802.11ac-VHT40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3
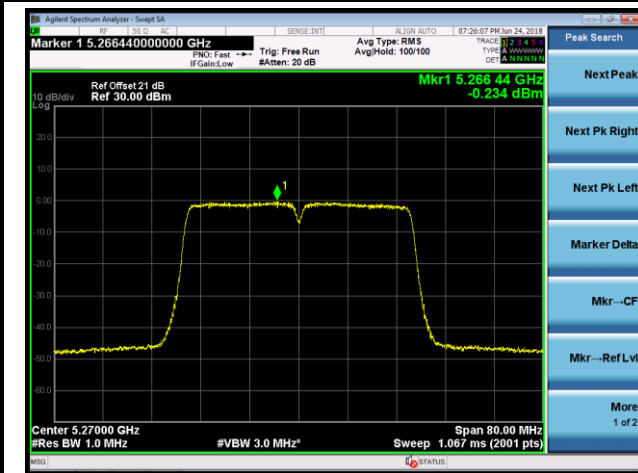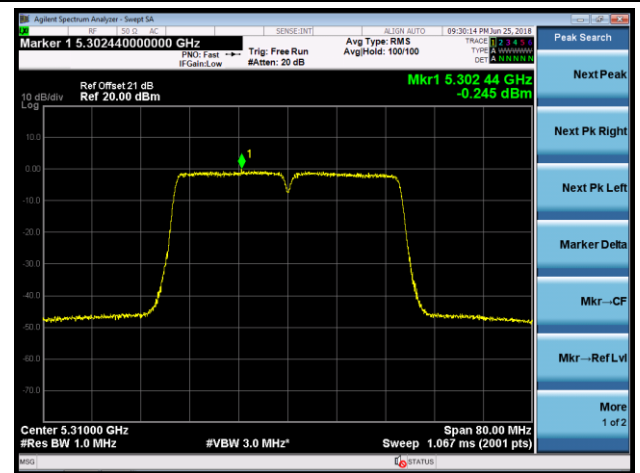
Channel 54 (5270MHz)

Channel 62 (5310MHz)

Channel 102 (5510MHz)

Channel 118 (5590MHz)

Channel 134 (5670MHz)

Channel 142 (5710MHz)

802.11ac-VHT80 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 58 (5290MHz)

Channel 106 (5530MHz)

Channel 122 (5610MHz)
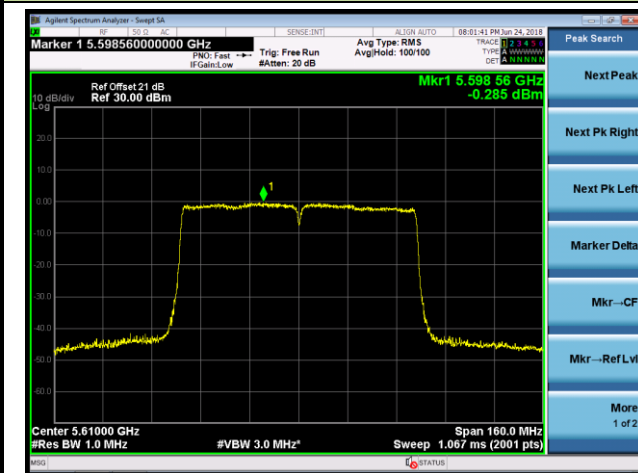
Channel 138 (5690MHz)

802.11ac-VHT160 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3
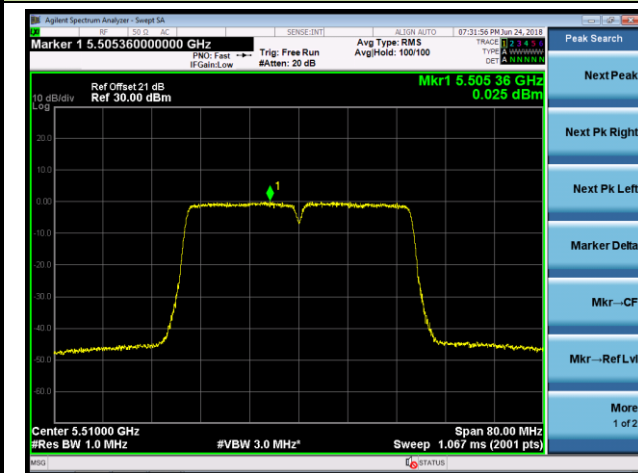
Channel 50 (5250MHz)

Channel 114 (5570MHz)
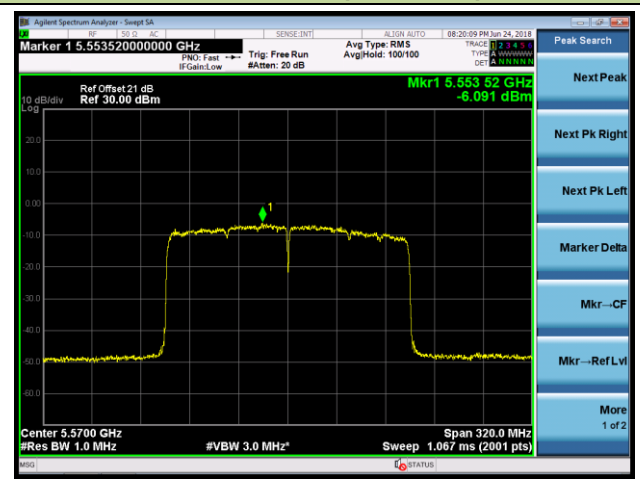
802.11ax-HE20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 52 (5260MHz)

Channel 60 (5300MHz)
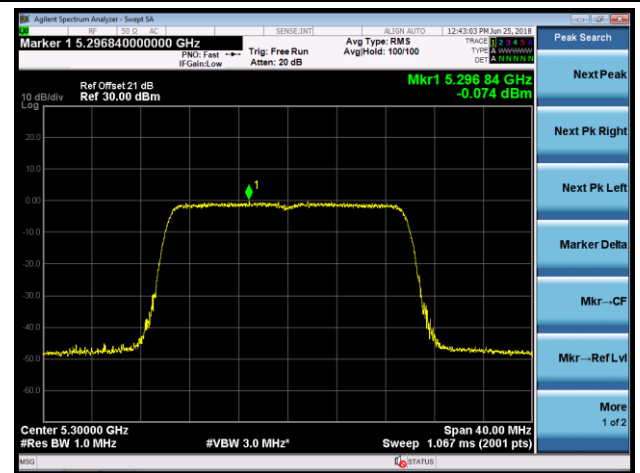
Channel 64 (5320MHz)
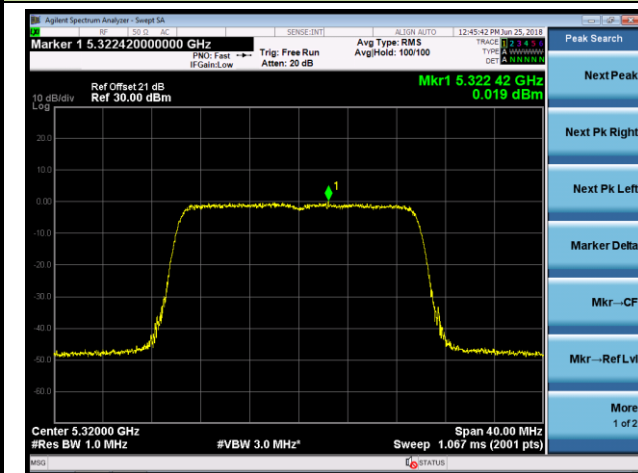
Channel 100 (5500MHz)
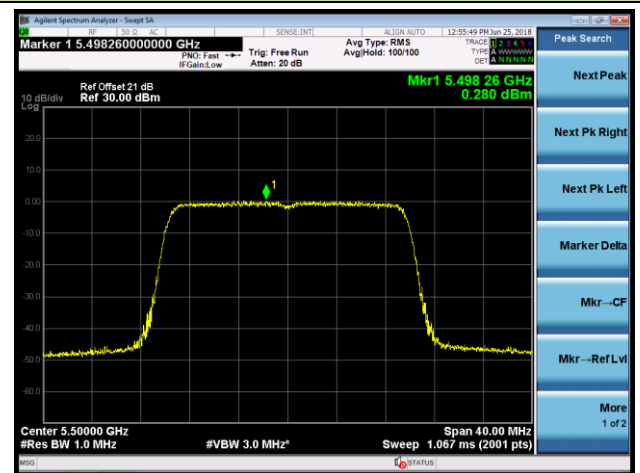
Channel 120 (5600MHz)
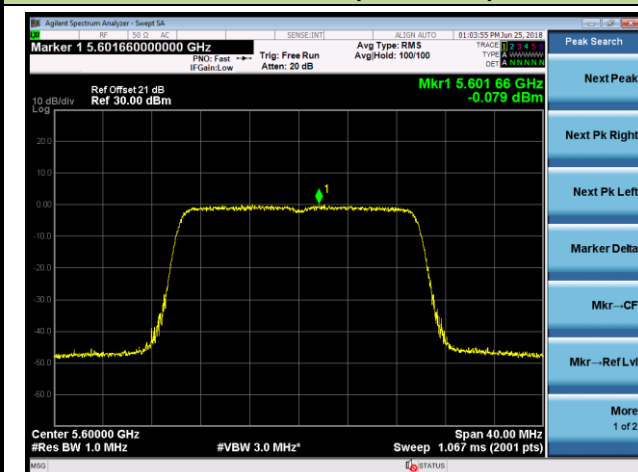
Channel 140 (5700MHz)
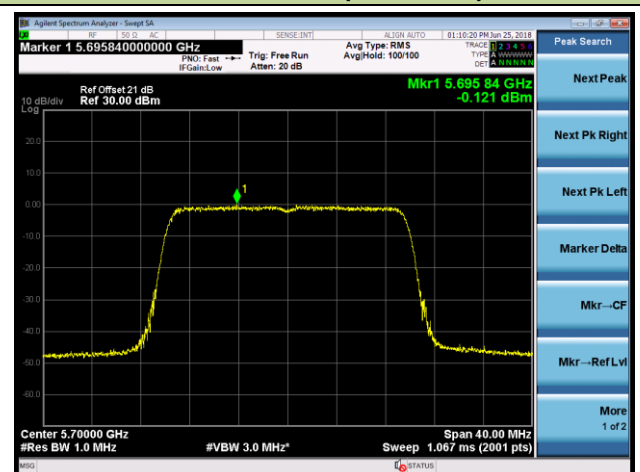
802.11ax-HE20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 144 (5720MHz)	
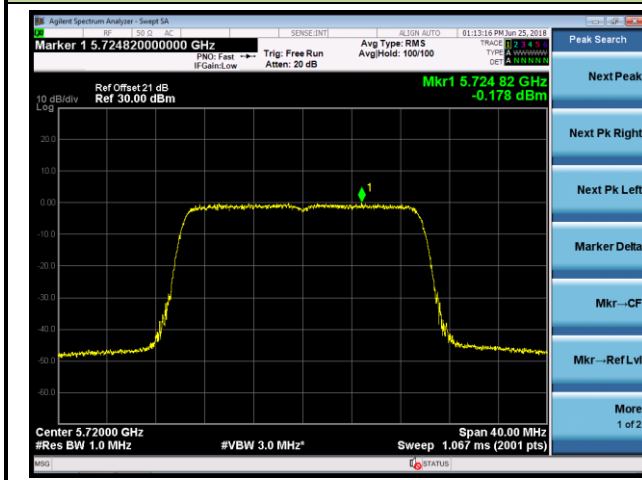
802.11ax-HE40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3
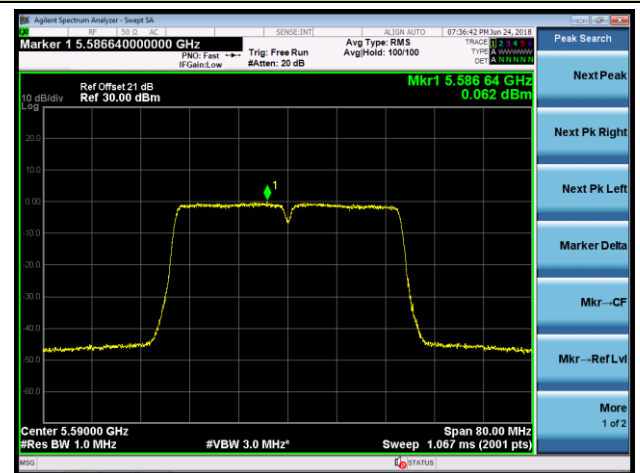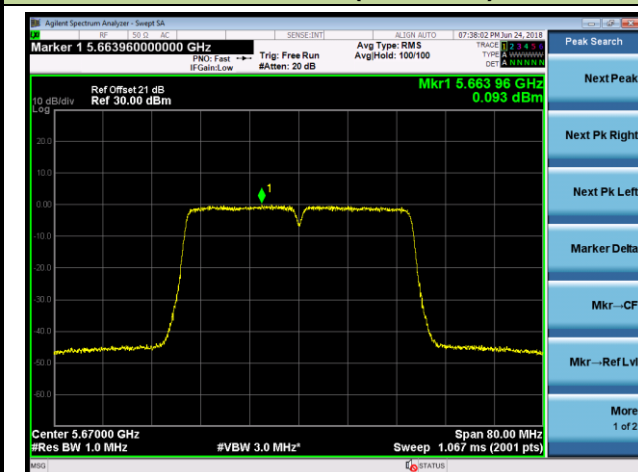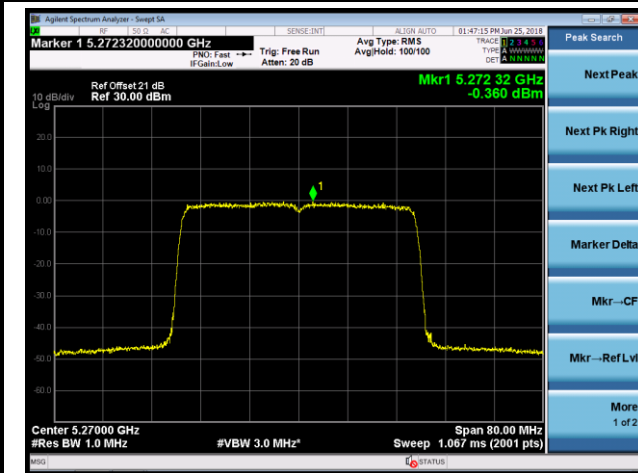
Channel 54 (5270MHz)

Channel 62 (5310MHz)
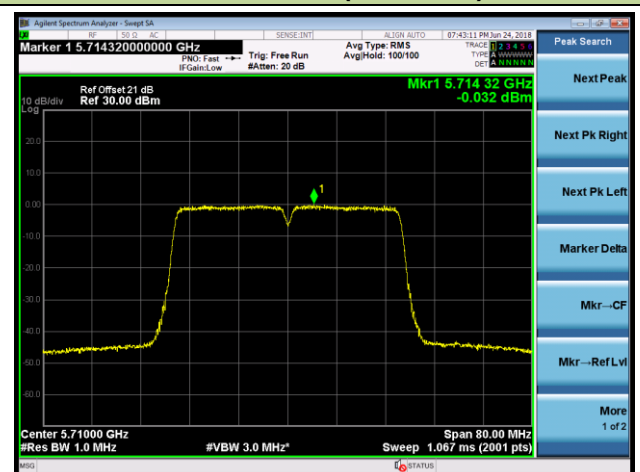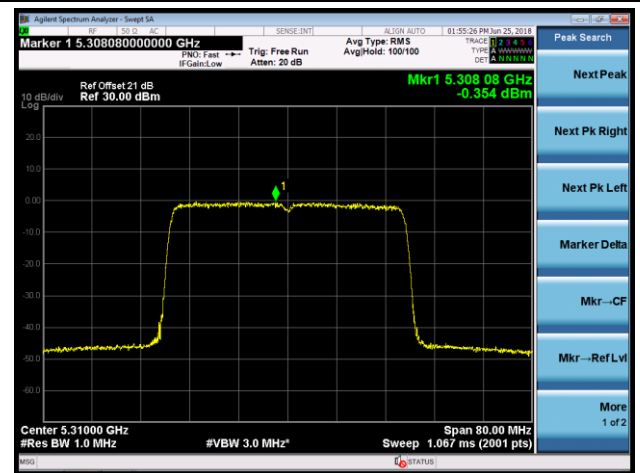

Channel 102 (5510MHz)
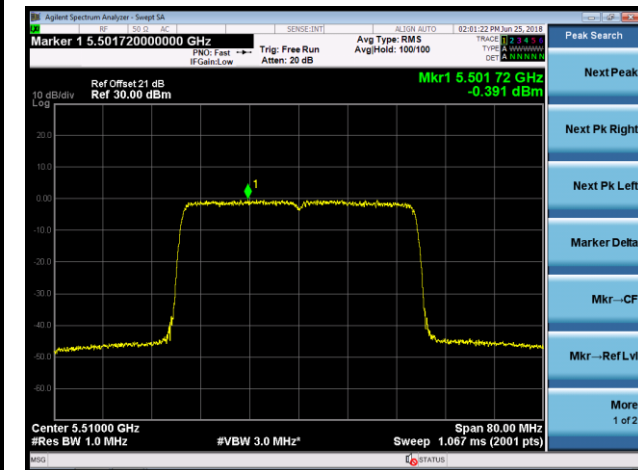
Channel 118 (5590MHz)
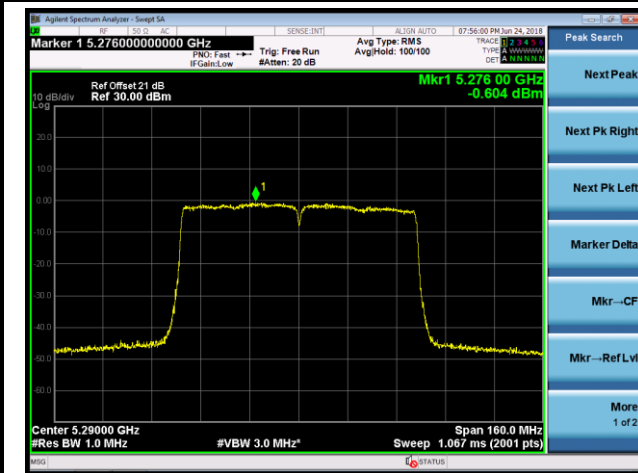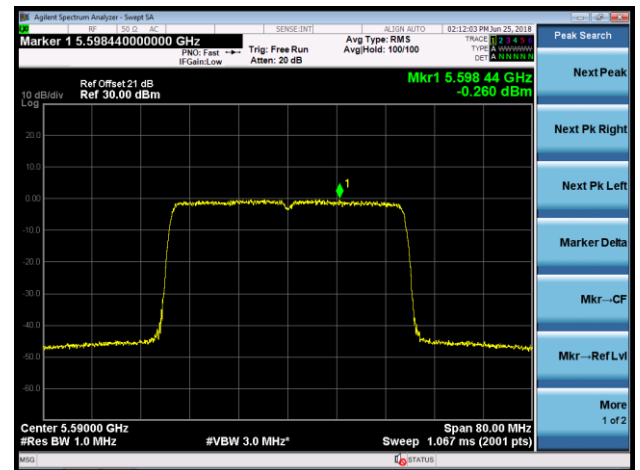

Channel 134 (5670MHz)
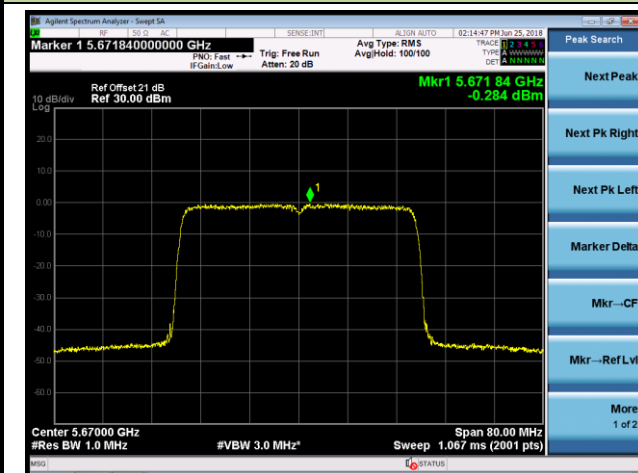
Channel 142 (5710MHz)
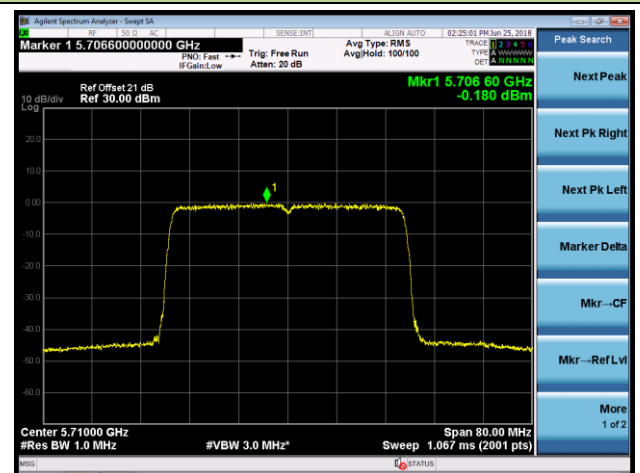
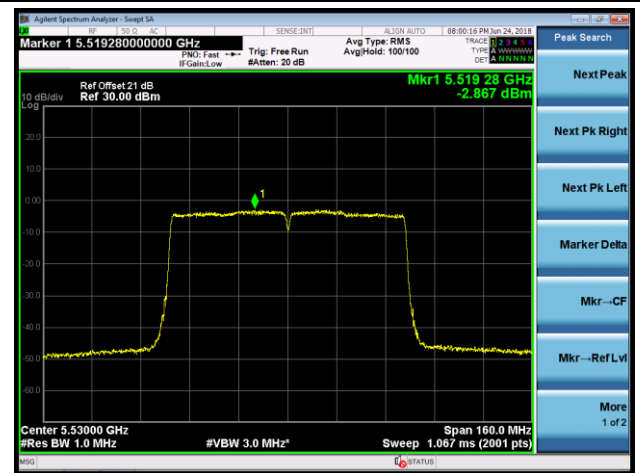## 802.11ax-HE80 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3
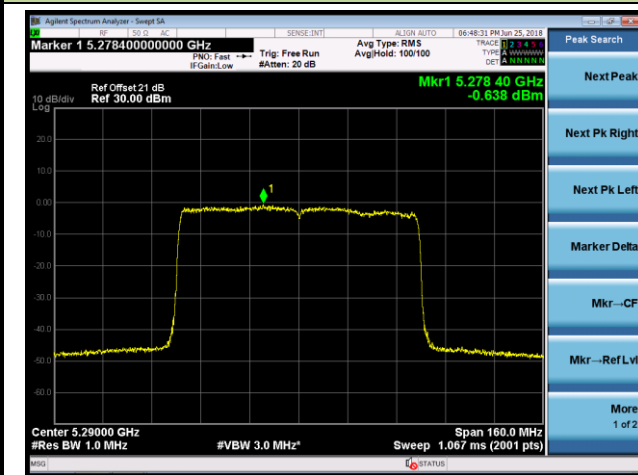
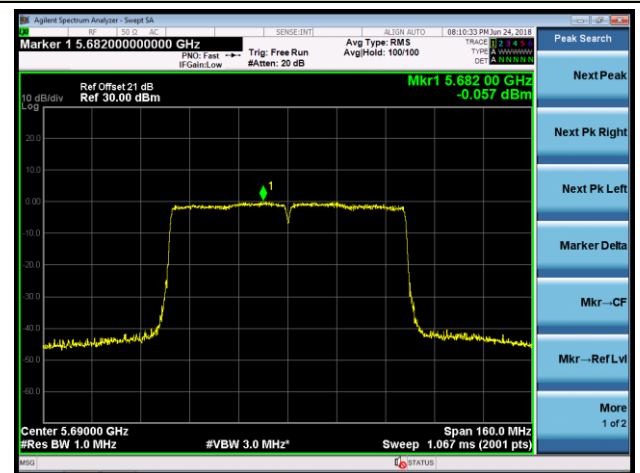| Channel 58 (5290MHz)	Channel 106 (5530MHz)
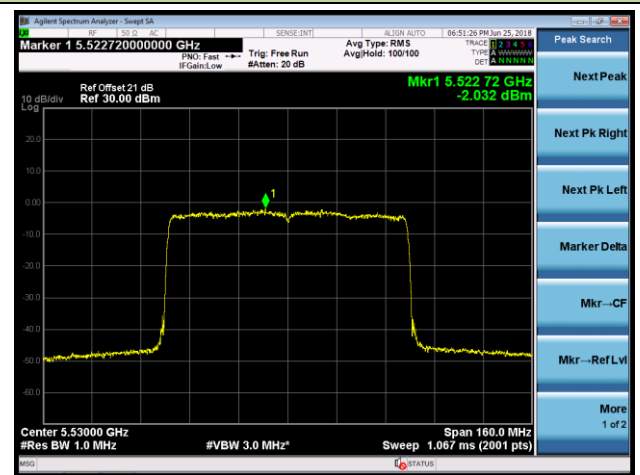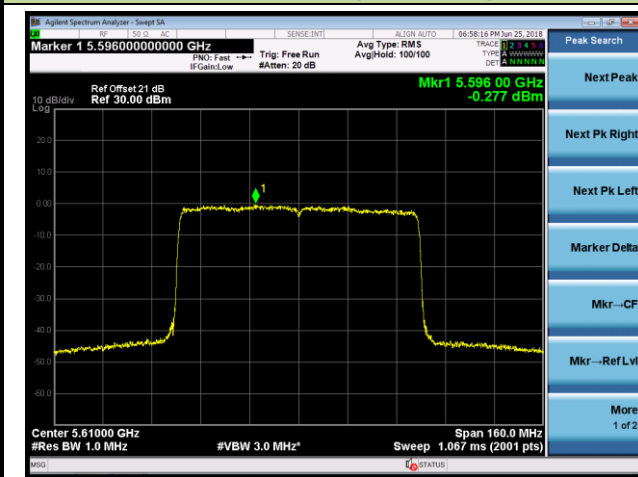
Channel 122 (5610MHz)	Channel 138 (5690MHz)

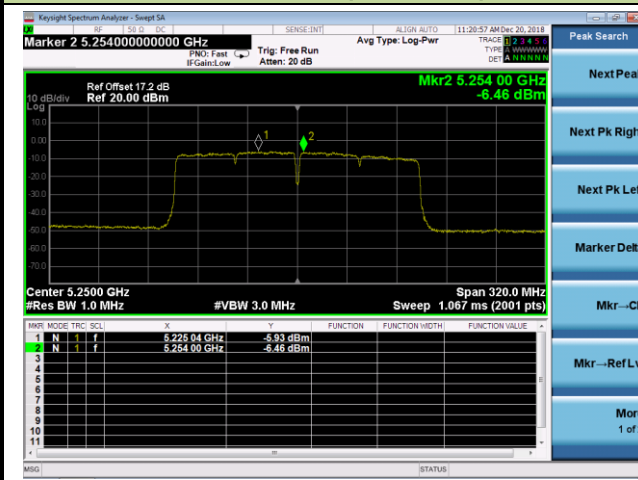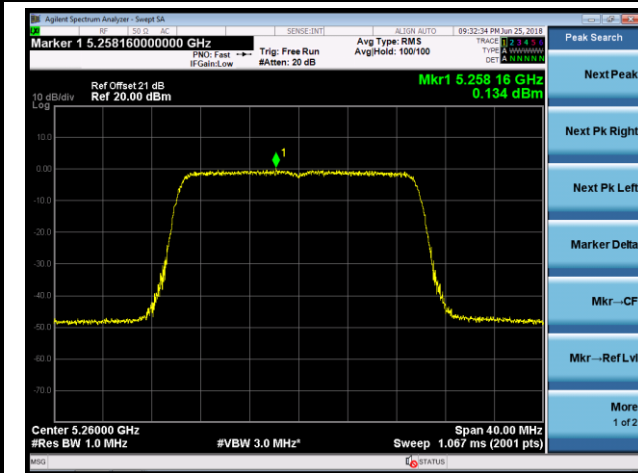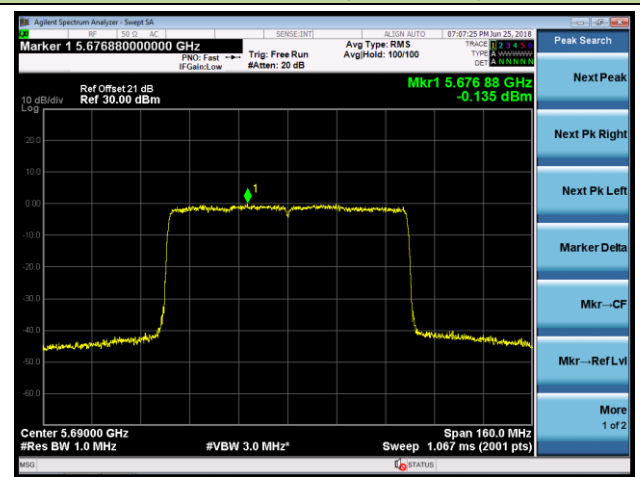## 802.11ax-HE160 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3
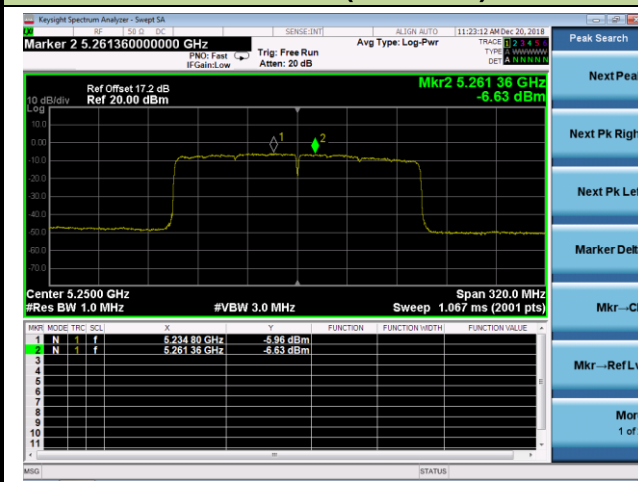
Channel 50 (5250MHz)	Channel 114 (5570MHz)
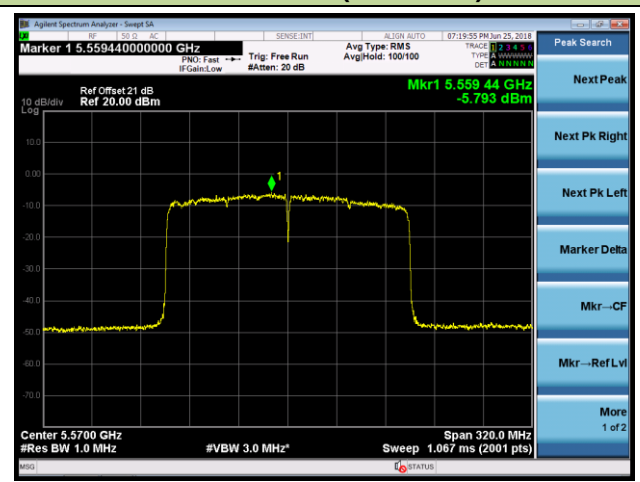
7.6. Frequency Stability Measurement

7.6.1.Test Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ±20 ppm maximum for the 5GHz band (IEEE 802.11 specification).

7.6.2.Test Procedure Used

Frequency Stability Under Temperature Variations:

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, recordthe maximum frequency change.

7.6.3.Test Setup
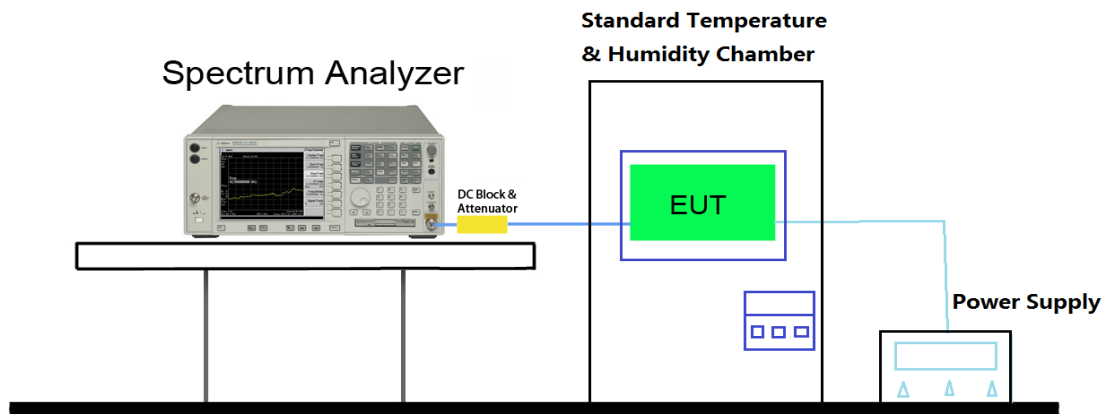
7.6.4.Test Result

Test Engineer	Kevin Ker	Temperature	-30 ~ 50°C
Test Time	2018/06/27	Relative Humidity	48 ~ 55%RH
Test Mode	5320MHz (Carrier Mode)	Test Site	SR1

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)
100%	120	- 30	1.56
		- 20	2.20
		- 10	1.45
		0	1.68
		+ 10	2.12
		+ 20 (Ref)	0.96
		+ 30	-0.49
		+ 40	-0.23
		+ 50	1.49
115%	138	+ 20	1.25
85%	102	+ 20	0.25

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} $*10^{6}$.

7.7. Radiated Spurious Emission Measurement

7.7.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.7.2. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

7.7.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. Span was set greater than 1MHz

3. RBW = as specified in Table 1

4. Detector = CISPR quasi-peak

5. Sweep time = auto couple

6. Trace was allowed to stabilize

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = peak

5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.

4. Detector = Peak

5. Sweep time = auto

6. Trace mode = max hold

7. Trace was allowed to stabilize

7.7.4.Test Setup

Below 1GHz Test Setup:
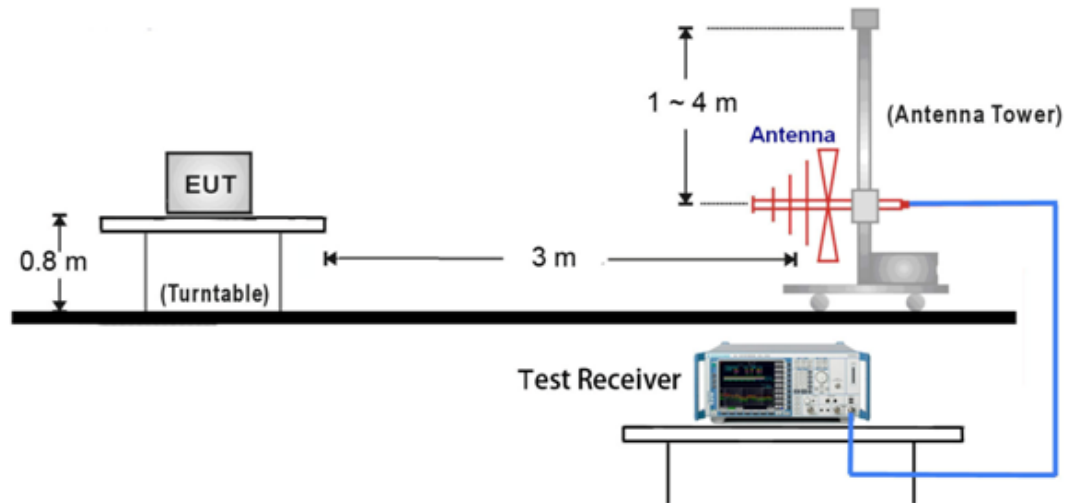
Above 1GHz Test Setup:

7.7.5.Test Result

For APIN0514 - Omni Antenna (AP-ANT-20W)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	34.6	12.8	47.4	54.0	-6.6	Peak	Horizontal
	8208.0	36.5	11.9	48.4	54.0	-5.6	Peak	Horizontal
*	8769.0	33.4	13.9	47.3	68.2	-20.9	Peak	Horizontal
*	9967.5	35.5	15.3	50.8	68.2	-17.4	Peak	Horizontal
	7443.0	36.1	12.7	48.8	54.0	-5.2	Peak	Vertical
	8429.0	35.5	12.4	47.9	54.0	-6.1	Peak	Vertical
*	8684.0	34.2	13.7	47.9	68.2	-20.3	Peak	Vertical
*	9636.0	34.8	14.4	49.2	68.2	-19.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	36.1	12.8	48.9	54.0	-5.1	Peak	Horizontal
	8199.5	35.2	12.0	47.2	54.0	-6.8	Peak	Horizontal
*	8862.5	34.5	14.0	48.5	68.2	-19.7	Peak	Horizontal
*	9831.5	34.2	15.9	50.1	68.2	-18.1	Peak	Horizontal
	7519.5	33.6	12.8	46.4	54.0	-7.6	Peak	Vertical
	8225.0	35.8	11.9	47.7	54.0	-6.3	Peak	Vertical
*	8862.5	34.2	14.0	48.2	68.2	-20.0	Peak	Vertical
*	9814.5	34.1	15.4	49.5	68.2	-18.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	34.8	12.8	47.6	54.0	-6.4	Peak	Horizontal
	8157.0	36.5	12.1	48.6	54.0	-5.4	Peak	Horizontal
*	8803.0	34.9	14.0	48.9	68.2	-19.3	Peak	Horizontal
*	9755.0	35.1	14.8	49.9	68.2	-18.3	Peak	Horizontal
	7579.0	34.8	12.7	47.5	54.0	-6.5	Peak	Vertical
	8165.5	35.5	12.1	47.6	54.0	-6.4	Peak	Vertical
*	8803.0	34.2	14.0	48.2	68.2	-20.0	Peak	Vertical
*	9695.5	35.8	14.6	50.4	68.2	-17.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7604.5	34.3	12.7	47.0	54.0	-7.0	Peak	Horizontal
	8284.5	35.8	11.9	47.7	54.0	-6.3	Peak	Horizontal
*	8752.0	34.7	13.9	48.6	68.2	-19.6	Peak	Horizontal
*	10214	35.1	16.3	51.4	68.2	-16.8	Peak	Horizontal
	7638.5	36.3	12.6	48.9	54.0	-5.1	Peak	Vertical
	8259.0	38.1	11.9	50.0	54.0	-4.0	Peak	Vertical
*	8786.0	32.6	13.9	46.5	68.2	-21.7	Peak	Vertical
*	9959.0	33.0	15.3	48.3	68.2	-19.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	34.3	12.8	47.1	54.0	-6.9	Peak	Horizontal
	8352.5	35.4	12.0	47.4	54.0	-6.6	Peak	Horizontal
*	8692.5	33.4	13.7	47.1	68.2	-21.1	Peak	Horizontal
*	9695.5	35.1	14.6	49.7	68.2	-18.5	Peak	Horizontal
	7621.5	33.3	12.6	45.9	54.0	-8.1	Peak	Vertical
	8182.5	37.4	12.0	49.4	54.0	-4.6	Peak	Vertical
*	8786.0	35.6	13.9	49.5	68.2	-18.7	Peak	Vertical
*	9636.0	34.8	14.4	49.2	68.2	-19.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7723.5	33.3	12.4	45.7	54.0	-8.3	Peak	Horizontal
	8131.5	34.3	12.2	46.5	54.0	-7.5	Peak	Horizontal
*	8658.5	33.2	13.6	46.8	68.2	-21.4	Peak	Horizontal
*	9950.5	33.9	15.3	49.2	68.2	-19.0	Peak	Horizontal
	7536.5	34.8	12.8	47.6	54.0	-6.4	Peak	Vertical
	8276.0	35.5	11.9	47.4	54.0	-6.6	Peak	Vertical
*	8735.0	32.7	13.9	46.6	68.2	-21.6	Peak	Vertical
*	9593.5	33.0	14.4	47.4	68.2	-20.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7332.5	33.9	12.4	46.3	54.0	-7.7	Peak	Horizontal
	8276.0	35.5	11.9	47.4	54.0	-6.6	Peak	Horizontal
*	8862.5	33.4	14.0	47.4	68.2	-20.8	Peak	Horizontal
*	9797.5	33.8	15.1	48.9	68.2	-19.3	Peak	Horizontal
	7536.5	34.2	12.8	47.0	54.0	-7.0	Peak	Vertical
	8242.0	34.9	11.9	46.8	54.0	-7.2	Peak	Vertical
*	8769.0	32.4	13.9	46.3	68.2	-21.9	Peak	Vertical
*	9899.5	33.5	15.4	48.9	68.2	-19.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20- Ant 0 + 1 + 2 + 3	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7596.0	32.8	12.7	45.5	54.0	-8.5	Peak	Horizontal
	8395.0	34.1	12.2	46.3	54.0	-7.7	Peak	Horizontal
*	8658.5	32.6	13.6	46.2	68.2	-22.0	Peak	Horizontal
*	9857.0	32.5	16.2	48.7	68.2	-19.5	Peak	Horizontal
	7536.5	34.7	12.8	47.5	54.0	-6.5	Peak	Vertical
	8242.0	35.0	11.9	46.9	54.0	-7.1	Peak	Vertical
*	8616.0	33.8	13.5	47.3	68.2	-20.9	Peak	Vertical
*	9857.0	33.1	16.2	49.3	68.2	-18.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7434.5	33.9	12.7	46.6	54.0	-7.4	Peak	Horizontal
	8310.0	34.6	11.9	46.5	54.0	-7.5	Peak	Horizontal
*	8616.0	33.0	13.5	46.5	68.2	-21.7	Peak	Horizontal
*	9899.5	33.5	15.4	48.9	68.2	-19.3	Peak	Horizontal
	7434.5	34.5	12.7	47.2	54.0	-6.8	Peak	Vertical
	8199.5	35.0	12.0	47.0	54.0	-7.0	Peak	Vertical
*	8658.5	33.6	13.6	47.2	68.2	-21.0	Peak	Vertical
*	9814.5	33.3	15.4	48.7	68.2	-19.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7604.5	33.5	12.7	46.2	54.0	-7.8	Peak	Horizontal
	8352.5	34.3	12.0	46.3	54.0	-7.7	Peak	Horizontal
*	8658.5	32.0	13.6	45.6	68.2	-22.6	Peak	Horizontal
*	9721.0	34.5	14.7	49.2	68.2	-19.0	Peak	Horizontal
	7536.5	34.3	12.8	47.1	54.0	-6.9	Peak	Vertical
	8165.5	35.2	12.1	47.3	54.0	-6.7	Peak	Vertical
*	8811.5	32.5	14.0	46.5	68.2	-21.7	Peak	Vertical
*	9721.0	35.0	14.7	49.7	68.2	-18.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	33.8	12.8	46.6	54.0	-7.4	Peak	Horizontal
	8131.5	34.5	12.2	46.7	54.0	-7.3	Peak	Horizontal
*	8692.5	32.8	13.7	46.5	68.2	-21.7	Peak	Horizontal
*	9814.5	34.2	15.4	49.6	68.2	-18.6	Peak	Horizontal
	7502.5	34.4	12.8	47.2	54.0	-6.8	Peak	Vertical
	8352.5	35.3	12.0	47.3	54.0	-6.7	Peak	Vertical
*	8769.0	32.6	13.9	46.5	68.2	-21.7	Peak	Vertical
*	10035.5	33.5	15.5	49.0	68.2	-19.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	33.9	12.8	46.7	54.0	-7.3	Peak	Horizontal
	8352.5	34.9	12.0	46.9	54.0	-7.1	Peak	Horizontal
*	8692.5	32.8	13.7	46.5	68.2	-21.7	Peak	Horizontal
*	9916.5	33.2	15.3	48.5	68.2	-19.7	Peak	Horizontal
	7536.5	34.2	12.8	47.0	54.0	-7.0	Peak	Vertical
	8165.5	35.3	12.1	47.4	54.0	-6.6	Peak	Vertical
*	8658.5	32.8	13.6	46.4	68.2	-21.8	Peak	Vertical
*	9721.0	33.4	14.7	48.1	68.2	-20.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	34.1	12.8	46.9	54.0	-7.1	Peak	Horizontal
	8131.5	34.2	12.2	46.4	54.0	-7.6	Peak	Horizontal
*	8811.5	32.2	14.0	46.2	68.2	-22.0	Peak	Horizontal
*	9772.0	33.7	14.9	48.6	68.2	-19.6	Peak	Horizontal
	7468.5	34.4	12.8	47.2	54.0	-6.8	Peak	Vertical
	8242.0	34.9	11.9	46.8	54.0	-7.2	Peak	Vertical
*	8811.5	32.3	14.0	46.3	68.2	-21.9	Peak	Vertical
*	9636.0	33.4	14.4	47.8	68.2	-20.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT		Temperature	26°C
Test Engineer	Kevin Ker		Relative Humidity	57 %
Test Site	AC1		Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3		Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7409.0	32.8	12.6	45.4	54.0	-8.6	Peak	Horizontal
	8352.5	33.9	12.0	45.9	54.0	-8.1	Peak	Horizontal
*	8692.5	33.6	13.7	47.3	68.2	-20.9	Peak	Horizontal
*	9942.0	33.8	15.3	49.1	68.2	-19.1	Peak	Horizontal
	7570.5	33.7	12.8	46.5	54.0	-7.5	Peak	Vertical
	8429.0	34.4	12.4	46.8	54.0	-7.2	Peak	Vertical
*	8854.0	32.9	14.0	46.9	68.2	-21.3	Peak	Vertical
*	9814.5	34.4	15.4	49.8	68.2	-18.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7451.5	34.8	12.8	47.6	54.0	-6.4	Peak	Horizontal
	8480.0	35.0	12.7	47.7	54.0	-6.3	Peak	Horizontal
*	8769.0	32.3	13.9	46.2	68.2	-22.0	Peak	Horizontal
*	9899.5	33.7	15.4	49.1	68.2	-19.1	Peak	Horizontal
	7502.5	33.4	12.8	46.2	54.0	-7.8	Peak	Vertical
	8165.5	36.0	12.1	48.1	54.0	-5.9	Peak	Vertical
*	8616.0	32.8	13.5	46.3	68.2	-21.9	Peak	Vertical
*	9772.0	34.3	14.9	49.2	68.2	-19.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7604.5	33.7	12.7	46.4	54.0	-7.6	Peak	Horizontal
	8276.0	34.1	11.9	46.0	54.0	-8.0	Peak	Horizontal
*	8658.5	33.1	13.6	46.7	68.2	-21.5	Peak	Horizontal
*	9772.0	33.8	14.9	48.7	68.2	-19.5	Peak	Horizontal
	7485.5	33.0	12.8	45.8	54.0	-8.2	Peak	Vertical
	8276.0	34.1	11.9	46.0	54.0	-8.0	Peak	Vertical
*	8769.0	34.0	13.9	47.9	68.2	-20.3	Peak	Vertical
*	10239.5	35.7	16.4	52.1	68.2	-16.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	35.6	12.8	48.4	54.0	-5.6	Peak	Horizontal
	8165.5	36.5	12.1	48.6	54.0	-5.4	Peak	Horizontal
*	8701.0	34.0	13.8	47.8	68.2	-20.4	Peak	Horizontal
*	9984.5	35.6	15.4	51.0	68.2	-17.2	Peak	Horizontal
	7477.0	34.1	12.8	46.9	54.0	-7.1	Peak	Vertical
	8199.5	34.7	12.0	46.7	54.0	-7.3	Peak	Vertical
*	8692.5	32.7	13.7	46.4	68.2	-21.8	Peak	Vertical
*	9721.0	33.5	14.7	48.2	68.2	-20.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7604.5	34.3	12.7	47.0	54.0	-7.0	Peak	Horizontal
	8199.5	36.2	12.0	48.2	54.0	-5.8	Peak	Horizontal
*	8735.0	32.1	13.9	46.0	68.2	-22.2	Peak	Horizontal
*	9678.5	34.0	14.6	48.6	68.2	-19.6	Peak	Horizontal
	7536.5	35.8	12.8	48.6	54.0	-5.4	Peak	Vertical
	8242.0	36.0	11.9	47.9	54.0	-6.1	Peak	Vertical
*	8828.5	34.7	14.0	48.7	68.2	-19.5	Peak	Vertical
*	9891	33.9	15.5	49.4	68.2	-18.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7366.5	34.5	12.5	47.0	54.0	-7.0	Peak	Horizontal
	8301.5	36.3	11.9	48.2	54.0	-5.8	Peak	Horizontal
*	8735.0	32.5	13.9	46.4	68.2	-21.8	Peak	Horizontal
*	9874.0	33.7	15.8	49.5	68.2	-18.7	Peak	Horizontal
	7570.5	34.7	12.8	47.5	54.0	-6.5	Peak	Vertical
	8140.0	36.4	12.2	48.6	54.0	-5.4	Peak	Vertical
*	8828.5	34.1	14.0	48.1	68.2	-20.1	Peak	Vertical
*	9831.5	34.7	15.9	50.6	68.2	-17.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7672.5	34.4	12.5	46.9	54.0	-7.1	Peak	Horizontal
	8276.0	35.0	11.9	46.9	54.0	-7.1	Peak	Horizontal
*	8658.5	33.4	13.6	47.0	68.2	-21.2	Peak	Horizontal
*	10035.5	34.3	15.5	49.8	68.2	-18.4	Peak	Horizontal
	7536.5	35.2	12.8	48.0	54.0	-6.0	Peak	Vertical
	8276.0	35.4	11.9	47.3	54.0	-6.7	Peak	Vertical
*	8692.5	33.3	13.7	47.0	68.2	-21.2	Peak	Vertical
*	9678.5	34.6	14.6	49.2	68.2	-19.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7638.5	33.9	12.6	46.5	54.0	-7.5	Peak	Horizontal
	8276.0	35.9	11.9	47.8	54.0	-6.2	Peak	Horizontal
*	8692.5	34.1	13.7	47.8	68.2	-20.4	Peak	Horizontal
*	9678.5	34.0	14.6	48.6	68.2	-19.6	Peak	Horizontal
	7502.5	34.7	12.8	47.5	54.0	-6.5	Peak	Vertical
	8242.0	35.5	11.9	47.4	54.0	-6.6	Peak	Vertical
*	8692.5	33.6	13.7	47.3	68.2	-20.9	Peak	Vertical
*	9636.0	34.1	14.4	48.5	68.2	-19.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7366.5	34.7	12.5	47.2	54.0	-6.8	Peak	Horizontal
	8199.5	36.3	12.0	48.3	54.0	-5.7	Peak	Horizontal
*	8735.0	32.5	13.9	46.4	68.2	-21.8	Peak	Horizontal
*	9857.0	33.0	16.2	49.2	68.2	-19.0	Peak	Horizontal
	7570.5	33.9	12.8	46.7	54.0	-7.3	Peak	Vertical
	8276.0	35.0	11.9	46.9	54.0	-7.1	Peak	Vertical
*	8667.0	33.8	13.6	47.4	68.2	-20.8	Peak	Vertical
*	9721.0	35.5	14.7	50.2	68.2	-18.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7409.0	33.7	12.6	46.3	54.0	-7.7	Peak	Horizontal
	8216.5	35.8	11.9	47.7	54.0	-6.3	Peak	Horizontal
*	8624.5	34.5	13.5	48.0	68.2	-20.2	Peak	Horizontal
*	9704.0	34.7	14.6	49.3	68.2	-18.9	Peak	Horizontal
	7570.5	34.7	12.8	47.5	54.0	-6.5	Peak	Vertical
	8242.0	36.2	11.9	48.1	54.0	-5.9	Peak	Vertical
*	8735.0	33.4	13.9	47.3	68.2	-20.9	Peak	Vertical
*	9721.0	34.2	14.7	48.9	68.2	-19.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7570.5	35.2	12.8	48.0	54.0	-6.0	Peak	Horizontal
	8250.5	37.0	11.9	48.9	54.0	-5.1	Peak	Horizontal
*	8692.5	34.6	13.7	48.3	68.2	-19.9	Peak	Horizontal
*	9678.5	34.3	14.6	48.9	68.2	-19.3	Peak	Horizontal
	7621.5	33.5	12.6	46.1	54.0	-7.9	Peak	Vertical
	8242.0	35.7	11.9	47.6	54.0	-6.4	Peak	Vertical
*	8803.0	34.0	14.0	48.0	68.2	-20.2	Peak	Vertical
*	9755.0	35.5	14.8	50.3	68.2	-17.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT160 - Ant 0 + 1 + 2 + 3	Test Channel:	50
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7349.5	33.8	12.4	46.2	54.0	-7.8	Peak	Horizontal
	8276.0	35.3	11.9	47.2	54.0	-6.8	Peak	Horizontal
*	8624.5	34.0	13.5	47.5	68.2	-20.7	Peak	Horizontal
*	9729.5	35.5	14.7	50.2	68.2	-18.0	Peak	Horizontal
	7502.5	34.6	12.8	47.4	54.0	-6.6	Peak	Vertical
	8310.0	34.7	11.9	46.6	54.0	-7.4	Peak	Vertical
*	8692.5	33.7	13.7	47.4	68.2	-20.8	Peak	Vertical
*	9721.0	34.1	14.7	48.8	68.2	-19.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT160 - Ant 0 + 1 + 2 + 3	Test Channel:	114
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	35.5	12.8	48.3	54.0	-5.7	Peak	Horizontal
	8276.0	35.2	11.9	47.1	54.0	-6.9	Peak	Horizontal
*	8854.0	33.6	14.0	47.6	68.2	-20.6	Peak	Horizontal
*	9721.0	34.3	14.7	49.0	68.2	-19.2	Peak	Horizontal
	7502.5	35.5	12.8	48.3	54.0	-5.7	Peak	Vertical
	8276.0	35.6	11.9	47.5	54.0	-6.5	Peak	Vertical
*	8692.5	33.7	13.7	47.4	68.2	-20.8	Peak	Vertical
*	9814.5	34.9	15.4	50.3	68.2	-17.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20- Ant 0 + 1 + 2 + 3	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7409.0	34.0	12.6	46.6	54.0	-7.4	Peak	Horizontal
	8276.0	35.3	11.9	47.2	54.0	-6.8	Peak	Horizontal
*	8811.5	33.1	14.0	47.1	68.2	-21.1	Peak	Horizontal
*	9721.0	34.2	14.7	48.9	68.2	-19.3	Peak	Horizontal
	7536.5	34.6	12.8	47.4	54.0	-6.6	Peak	Vertical
	8386.5	35.6	12.1	47.7	54.0	-6.3	Peak	Vertical
*	8735.0	33.1	13.9	47.0	68.2	-21.2	Peak	Vertical
*	9857.0	33.8	16.2	50.0	68.2	-18.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	36.4	12.8	49.2	54.0	-4.8	Peak	Horizontal
	8276.0	35.9	11.9	47.8	54.0	-6.2	Peak	Horizontal
*	8735.0	34.0	13.9	47.9	68.2	-20.3	Peak	Horizontal
*	9678.5	35.6	14.6	50.2	68.2	-18.0	Peak	Horizontal
	7502.5	34.1	12.8	46.9	54.0	-7.1	Peak	Vertical
	8310.0	35.1	11.9	47.0	54.0	-7.0	Peak	Vertical
*	8854.0	33.0	14.0	47.0	68.2	-21.2	Peak	Vertical
*	9857.0	34.0	16.2	50.2	68.2	-18.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C	
Test Engineer	Kevin Ker	Relative Humidity	57 %	
Test Site	AC1	Test Date	2018/06/30	
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	64	
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	33.9	12.8	46.7	54.0	-7.3	Peak	Horizontal
	8242.0	36.0	11.9	47.9	54.0	-6.1	Peak	Horizontal
*	8616.0	33.6	13.5	47.1	68.2	-21.1	Peak	Horizontal
*	9772.0	34.1	14.9	49.0	68.2	-19.2	Peak	Horizontal
	7536.5	33.8	12.8	46.6	54.0	-7.4	Peak	Vertical
	8242.0	35.5	11.9	47.4	54.0	-6.6	Peak	Vertical
*	8769.0	32.9	13.9	46.8	68.2	-21.4	Peak	Vertical
*	9814.5	34.1	15.4	49.5	68.2	-18.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7332.5	33.8	12.4	46.2	54.0	-7.8	Peak	Horizontal
	8310.0	35.0	11.9	46.9	54.0	-7.1	Peak	Horizontal
*	8735.0	32.8	13.9	46.7	68.2	-21.5	Peak	Horizontal
*	9814.5	33.8	15.4	49.2	68.2	-19.0	Peak	Horizontal
	7570.5	34.8	12.8	47.6	54.0	-6.4	Peak	Vertical
	8165.5	36.4	12.1	48.5	54.0	-5.5	Peak	Vertical
*	8811.5	33.3	14.0	47.3	68.2	-20.9	Peak	Vertical
*	9636.0	34.4	14.4	48.8	68.2	-19.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7570.5	34.6	12.8	47.4	54.0	-6.6	Peak	Horizontal
	8242.0	36.3	11.9	48.2	54.0	-5.8	Peak	Horizontal
*	8769.0	33.5	13.9	47.4	68.2	-20.8	Peak	Horizontal
*	10120.5	34.1	15.8	49.9	68.2	-18.3	Peak	Horizontal
	7366.5	35.6	12.5	48.1	54.0	-5.9	Peak	Vertical
	8242.0	36.5	11.9	48.4	54.0	-5.6	Peak	Vertical
*	8692.5	33.4	13.7	47.1	68.2	-21.1	Peak	Vertical
*	9721.0	33.5	14.7	48.2	68.2	-20.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7536.5	34.8	12.8	47.6	54.0	-6.4	Peak	Horizontal
	8199.5	35.5	12.0	47.5	54.0	-6.5	Peak	Horizontal
*	8692.5	33.2	13.7	46.9	68.2	-21.3	Peak	Horizontal
*	9678.5	35.0	14.6	49.6	68.2	-18.6	Peak	Horizontal
	7604.5	34.8	12.7	47.5	54.0	-6.5	Peak	Vertical
	8276.0	35.1	11.9	47.0	54.0	-7.0	Peak	Vertical
*	8692.5	34.2	13.7	47.9	68.2	-20.3	Peak	Vertical
*	9636.0	34.8	14.4	49.2	68.2	-19.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7400.5	34.6	12.6	47.2	54.0	-6.8	Peak	Horizontal
	8131.5	36.1	12.2	48.3	54.0	-5.7	Peak	Horizontal
*	8616.0	34.0	13.5	47.5	68.2	-20.7	Peak	Horizontal
*	9593.5	33.0	14.4	47.4	68.2	-20.8	Peak	Horizontal
	7570.5	35.5	12.8	48.3	54.0	-5.7	Peak	Vertical
	8276.0	35.1	11.9	47.0	54.0	-7.0	Peak	Vertical
*	8811.5	33.3	14.0	47.3	68.2	-20.9	Peak	Vertical
*	9942.0	35.2	15.3	50.5	68.2	-17.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C	
Test Engineer	Kevin Ker	Relative Humidity	57 %	
Test Site	AC1	Test Date	2018/06/30	
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	54	
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	35.4	12.8	48.2	54.0	-5.8	Peak	Horizontal
	8242.0	36.4	11.9	48.3	54.0	-5.7	Peak	Horizontal
*	8735.0	34.1	13.9	48.0	68.2	-20.2	Peak	Horizontal
*	9772.0	34.5	14.9	49.4	68.2	-18.8	Peak	Horizontal
	7536.5	34.4	12.8	47.2	54.0	-6.8	Peak	Vertical
	8242.0	36.6	11.9	48.5	54.0	-5.5	Peak	Vertical
*	8658.5	33.6	13.6	47.2	68.2	-21.0	Peak	Vertical
*	9899.5	34.1	15.4	49.5	68.2	-18.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C	
Test Engineer	Kevin Ker	Relative Humidity	57 %	
Test Site	AC1	Test Date	2018/06/30	
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	62	
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7400.5	35.0	12.6	47.6	54.0	-6.4	Peak	Horizontal
	8352.5	35.0	12.0	47.0	54.0	-7.0	Peak	Horizontal
*	8811.5	33.7	14.0	47.7	68.2	-20.5	Peak	Horizontal
*	9857.0	34.4	16.2	50.6	68.2	-17.6	Peak	Horizontal
	7502.5	34.6	12.8	47.4	54.0	-6.6	Peak	Vertical
	8352.5	34.3	12.0	46.3	54.0	-7.7	Peak	Vertical
*	8854.0	34.2	14.0	48.2	68.2	-20.0	Peak	Vertical
*	9814.5	33.1	15.4	48.5	68.2	-19.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	34.0	12.7	46.7	54.0	-7.3	Peak	Horizontal
	8276.0	34.8	11.9	46.7	54.0	-7.3	Peak	Horizontal
*	8735.0	33.7	13.9	47.6	68.2	-20.6	Peak	Horizontal
*	9814.5	34.8	15.4	50.2	68.2	-18.0	Peak	Horizontal
	7570.5	34.6	12.8	47.4	54.0	-6.6	Peak	Vertical
	8352.5	34.8	12.0	46.8	54.0	-7.2	Peak	Vertical
*	8735.0	32.9	13.9	46.8	68.2	-21.4	Peak	Vertical
*	9899.5	34.0	15.4	49.4	68.2	-18.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7400.5	34.6	12.6	47.2	54.0	-6.8	Peak	Horizontal
	8131.5	35.3	12.2	47.5	54.0	-6.5	Peak	Horizontal
*	8811.5	33.3	14.0	47.3	68.2	-20.9	Peak	Horizontal
*	9772.0	34.3	14.9	49.2	68.2	-19.0	Peak	Horizontal
	7434.5	34.5	12.7	47.2	54.0	-6.8	Peak	Vertical
	8276.0	34.8	11.9	46.7	54.0	-7.3	Peak	Vertical
*	8692.5	34.1	13.7	47.8	68.2	-20.4	Peak	Vertical
*	9721.0	34.6	14.7	49.3	68.2	-18.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	33.7	12.8	46.5	54.0	-7.5	Peak	Horizontal
	8242.0	35.5	11.9	47.4	54.0	-6.6	Peak	Horizontal
*	8692.5	33.5	13.7	47.2	68.2	-21.0	Peak	Horizontal
*	9899.5	34.0	15.4	49.4	68.2	-18.8	Peak	Horizontal
	7604.5	35.3	12.7	48.0	54.0	-6.0	Peak	Vertical
	8242.0	37.0	11.9	48.9	54.0	-5.1	Peak	Vertical
*	8658.5	33.8	13.6	47.4	68.2	-20.8	Peak	Vertical
*	9772.0	34.2	14.9	49.1	68.2	-19.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7570.5	33.7	12.8	46.5	54.0	-7.5	Peak	Horizontal
	8165.5	36.9	12.1	49.0	54.0	-5.0	Peak	Horizontal
*	8658.5	34.5	13.6	48.1	68.2	-20.1	Peak	Horizontal
*	9772.0	33.3	14.9	48.2	68.2	-20.0	Peak	Horizontal
	7536.5	34.0	12.8	46.8	54.0	-7.2	Peak	Vertical
	8310.0	35.1	11.9	47.0	54.0	-7.0	Peak	Vertical
*	8692.5	32.9	13.7	46.6	68.2	-21.6	Peak	Vertical
*	9636.0	34.5	14.4	48.9	68.2	-19.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7604.5	34.1	12.7	46.8	54.0	-7.2	Peak	Horizontal
	8352.5	36.3	12.0	48.3	54.0	-5.7	Peak	Horizontal
*	8735.0	32.9	13.9	46.8	68.2	-21.4	Peak	Horizontal
*	9678.5	35.4	14.6	50.0	68.2	-18.2	Peak	Horizontal
	7553.5	34.0	12.8	46.8	54.0	-7.2	Peak	Vertical
	8199.5	35.3	12.0	47.3	54.0	-6.7	Peak	Vertical
*	8692.5	33.2	13.7	46.9	68.2	-21.3	Peak	Vertical
*	9899.5	33.7	15.4	49.1	68.2	-19.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7417.5	35.1	12.6	47.7	54.0	-6.3	Peak	Horizontal
	8165.5	35.9	12.1	48.0	54.0	-6.0	Peak	Horizontal
*	8854.0	33.5	14.0	47.5	68.2	-20.7	Peak	Horizontal
*	9772.0	34.2	14.9	49.1	68.2	-19.1	Peak	Horizontal
	7502.5	34.2	12.8	47.0	54.0	-7.0	Peak	Vertical
	8131.5	35.4	12.2	47.6	54.0	-6.4	Peak	Vertical
*	8735.0	33.5	13.9	47.4	68.2	-20.8	Peak	Vertical
*	10035.5	34.1	15.5	49.6	68.2	-18.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT		Temperature	26°C
Test Engineer	Kevin Ker		Relative Humidity	57 %
Test Site	AC1		Test Date	2018/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3		Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7536.5	35.1	12.8	47.9	54.0	-6.1	Peak	Horizontal
	8259.0	36.5	11.9	48.4	54.0	-5.6	Peak	Horizontal
*	8879.5	35.8	14.0	49.8	68.2	-18.4	Peak	Horizontal
*	9865.5	35.1	16.0	51.1	68.2	-17.1	Peak	Horizontal
	7613.0	35.4	12.6	48.0	54.0	-6.0	Peak	Vertical
	8242.0	36.2	11.9	48.1	54.0	-5.9	Peak	Vertical
*	8743.5	34.5	13.9	48.4	68.2	-19.8	Peak	Vertical
*	9857.0	36.3	16.2	52.5	68.2	-15.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7434.5	36.5	12.7	49.2	54.0	-4.8	Peak	Horizontal
	8174.0	35.4	12.0	47.4	54.0	-6.6	Peak	Horizontal
*	8803.0	34.4	14.0	48.4	68.2	-19.8	Peak	Horizontal
*	9721.0	34.5	14.7	49.2	68.2	-19.0	Peak	Horizontal
	7536.5	34.6	12.8	47.4	54.0	-6.6	Peak	Vertical
	8191.0	36.9	12.0	48.9	54.0	-5.1	Peak	Vertical
*	8769.0	33.7	13.9	47.6	68.2	-20.6	Peak	Vertical
*	9814.5	33.7	15.4	49.1	68.2	-19.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE160 - Ant 0 + 1 + 2 + 3	Test Channel:	50
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	34.9	12.4	47.3	54.0	-6.7	Peak	Horizontal
	8131.5	35.7	12.2	47.9	54.0	-6.1	Peak	Horizontal
*	8769.0	33.0	13.9	46.9	68.2	-21.3	Peak	Horizontal
*	9772.0	34.3	14.9	49.2	68.2	-19.0	Peak	Horizontal
	7434.5	35.2	12.7	47.9	54.0	-6.1	Peak	Vertical
	8310.0	35.5	11.9	47.4	54.0	-6.6	Peak	Vertical
*	8769.0	33.1	13.9	47.0	68.2	-21.2	Peak	Vertical
*	9636.0	34.6	14.4	49.0	68.2	-19.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE160 - Ant 0 + 1 + 2 + 3	Test Channel:	114
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7332.5	34.8	12.4	47.2	54.0	-6.8	Peak	Horizontal
	8242.0	36.5	11.9	48.4	54.0	-5.6	Peak	Horizontal
*	8735.0	33.7	13.9	47.6	68.2	-20.6	Peak	Horizontal
*	9721.0	35.0	14.7	49.7	68.2	-18.5	Peak	Horizontal
	7434.5	35.7	12.7	48.4	54.0	-5.6	Peak	Vertical
	8310.0	35.3	11.9	47.2	54.0	-6.8	Peak	Vertical
*	8735.0	34.4	13.9	48.3	68.2	-19.9	Peak	Vertical
*	10307.5	34.1	16.6	50.7	68.2	-17.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2018/07/08 - 17:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz

Test Mode: There is the worst case within frequency range 30MHz~1GHz.

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	30.480	21.327	7.589	-18.673	40.000	13.738	QP
2			79.540	20.180	9.980	-19.820	40.000	10.200	QP
3			154.654	19.884	4.589	-23.616	43.500	15.295	QP
4			240.460	22.456	9.580	-23.544	46.000	12.876	QP
5			351.550	27.236	11.650	-18.764	46.000	15.587	QP
6			444.190	24.750	6.980	-21.250	46.000	17.770	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

Site: AC1	Time: 2018/07/08 - 17:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz

Test Mode: There is the worst case within frequency range 30MHz~1GHz.
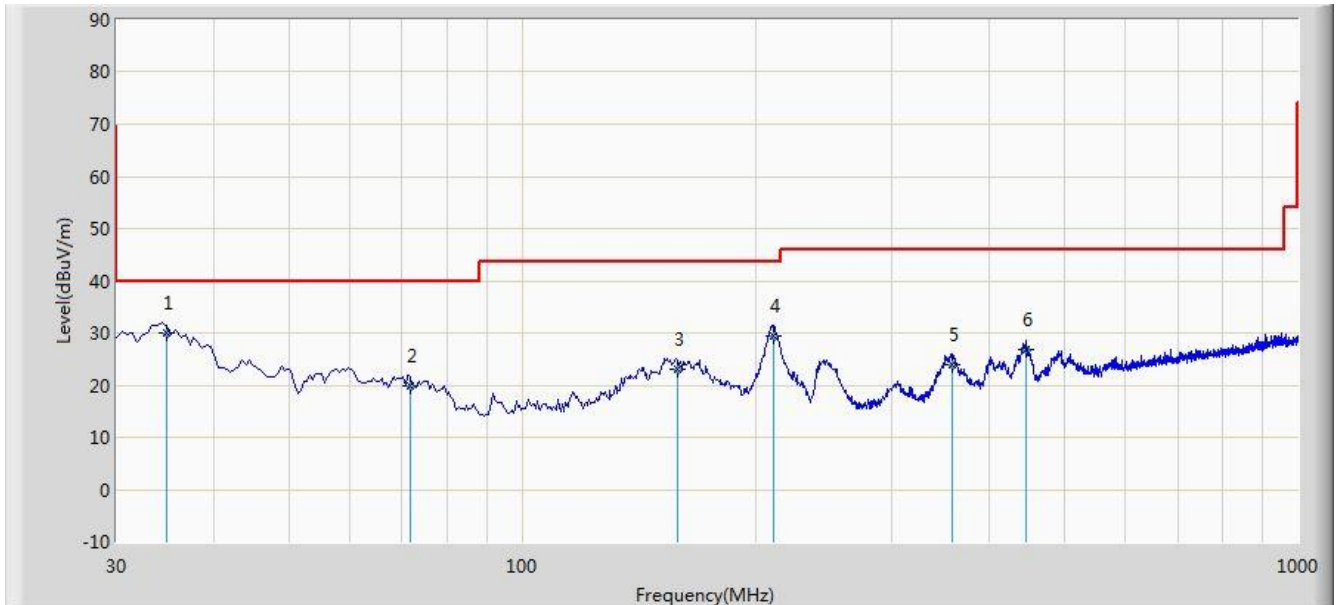
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	34.850	29.956	15.985	-10.044	40.000	13.972	QP
2			71.856	19.773	8.458	-20.227	40.000	11.314	QP
3			158.540	22.980	7.680	-20.520	43.500	15.300	QP
4			211.287	29.339	17.860	-14.161	43.500	11.478	QP
5			358.540	23.904	8.166	-22.096	46.000	15.738	QP
6			446.130	26.782	8.958	-19.218	46.000	17.824	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

For APIN0514 - Omni Antenna (AP-ANT-19)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

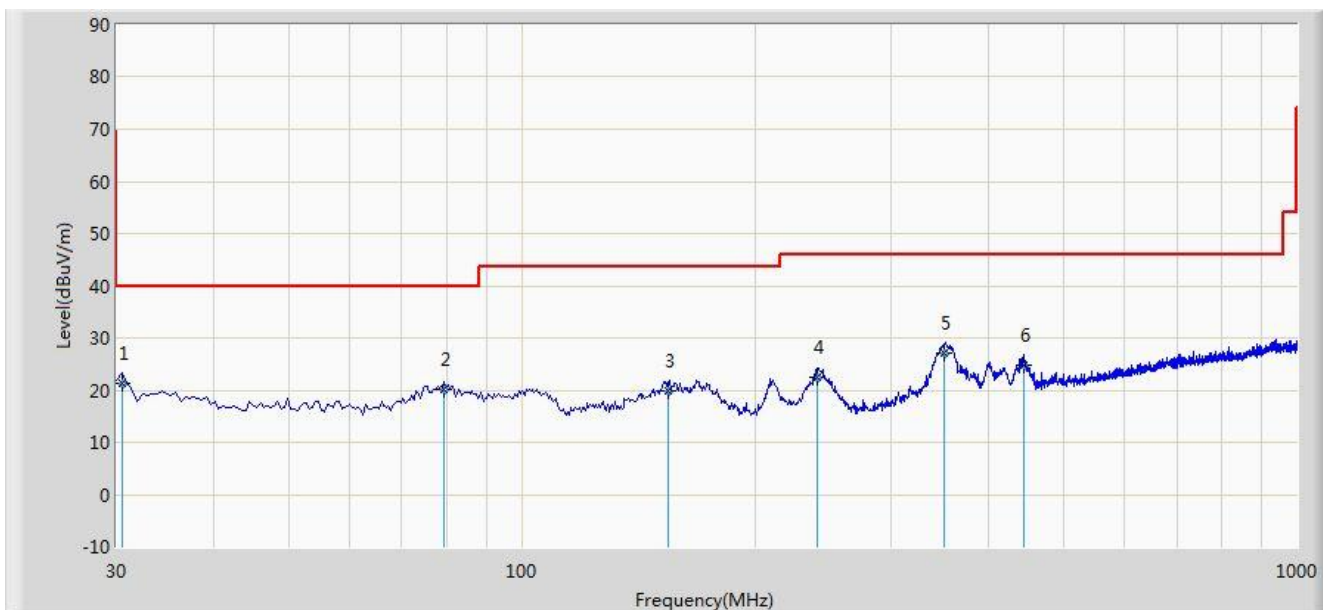| Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	36.6	12.8	49.4	54.0	-4.6	Peak	Horizontal
	8284.5	38.5	11.9	50.4	54.0	-3.6	Peak	Horizontal
*	9865.5	36.6	16.0	52.6	68.2	-15.6	Peak	Horizontal
*	10384.0	35.7	16.9	52.6	68.2	-15.6	Peak	Horizontal
	7545.0	37.2	12.8	50.0	54.0	-4.0	Peak	Vertical
	8250.5	37.2	11.9	49.1	54.0	-4.9	Peak	Vertical
*	9704.0	36.8	14.6	51.4	68.2	-16.8	Peak	Vertical
*	9916.5	37.1	15.3	52.4	68.2	-15.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7579.0	36.8	12.7	49.5	54.0	-4.5	Peak	Horizontal
	8267.5	37.7	11.9	49.6	54.0	-4.4	Peak	Horizontal
*	9933.5	36.9	15.3	52.2	68.2	-16.0	Peak	Horizontal
*	10392.5	36.2	16.9	53.1	68.2	-15.1	Peak	Horizontal
	7468.5	36.8	12.8	49.6	54.0	-4.4	Peak	Vertical
	7681.0	37.9	12.5	50.4	54.0	-3.6	Peak	Vertical
*	9976.0	36.7	15.3	52.0	68.2	-16.2	Peak	Vertical
*	10341.5	35.1	16.7	51.8	68.2	-16.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7298.5	36.9	12.3	49.2	54.0	-4.8	Peak	Horizontal
	8318.5	38.4	11.9	50.3	54.0	-3.7	Peak	Horizontal
*	9670.0	36.3	14.5	50.8	68.2	-17.4	Peak	Horizontal
*	10197.0	36.1	16.2	52.3	68.2	-15.9	Peak	Horizontal
	7460.0	36.5	12.8	49.3	54.0	-4.7	Peak	Vertical
	8250.5	37.6	11.9	49.5	54.0	-4.5	Peak	Vertical
*	9899.5	36.4	15.4	51.8	68.2	-16.4	Peak	Vertical
*	10350.0	35.2	16.8	52.0	68.2	-16.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7349.5	37.4	12.4	49.8	54.0	-4.2	Peak	Horizontal
	8267.5	37.2	11.9	49.1	54.0	-4.9	Peak	Horizontal
*	9823.0	36.0	15.6	51.6	68.2	-16.6	Peak	Horizontal
*	10222.5	35.8	16.3	52.1	68.2	-16.1	Peak	Horizontal
	7638.5	36.5	12.6	49.1	54.0	-4.9	Peak	Vertical
	8344.0	36.9	12.0	48.9	54.0	-5.1	Peak	Vertical
*	9746.5	35.9	14.8	50.7	68.2	-17.5	Peak	Vertical
*	10205.5	35.9	16.2	52.1	68.2	-16.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7485.5	36.7	12.8	49.5	54.0	-4.5	Peak	Horizontal
	8361.0	37.4	12.0	49.4	54.0	-4.6	Peak	Horizontal
*	9959.0	37.1	15.3	52.4	68.2	-15.8	Peak	Horizontal
*	10299.0	35.2	16.6	51.8	68.2	-16.4	Peak	Horizontal
	7655.5	36.9	12.5	49.4	54.0	-4.6	Peak	Vertical
	8318.5	37.0	11.9	48.9	54.0	-5.1	Peak	Vertical
*	9840.0	35.0	16.0	51.0	68.2	-17.2	Peak	Vertical
*	10273.5	35.6	16.5	52.1	68.2	-16.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7672.5	37.7	12.5	50.2	54.0	-3.8	Peak	Horizontal
	8233.5	37.3	11.9	49.2	54.0	-4.8	Peak	Horizontal
*	9797.5	35.9	15.1	51.0	68.2	-17.2	Peak	Horizontal
*	10095.0	36.3	15.7	52.0	68.2	-16.2	Peak	Horizontal
	7443.0	36.7	12.7	49.4	54.0	-4.6	Peak	Vertical
	8352.5	37.3	12.0	49.3	54.0	-4.7	Peak	Vertical
*	9644.5	36.4	14.4	50.8	68.2	-17.4	Peak	Vertical
*	10197.0	36.2	16.2	52.4	68.2	-15.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7528.0	37.0	12.8	49.8	54.0	-4.2	Peak	Horizontal
	8335.5	37.9	11.9	49.8	54.0	-4.2	Peak	Horizontal
*	9627.5	36.4	14.4	50.8	68.2	-17.4	Peak	Horizontal
*	10231.0	35.8	16.4	52.2	68.2	-16.0	Peak	Horizontal
	7443.0	37.0	12.7	49.7	54.0	-4.3	Peak	Vertical
	8250.5	37.3	11.9	49.2	54.0	-4.8	Peak	Vertical
*	9865.5	35.7	16.0	51.7	68.2	-16.5	Peak	Vertical
*	10299.0	36.5	16.6	53.1	68.2	-15.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20- Ant 0 + 1 + 2 + 3	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7383.5	36.7	12.5	49.2	54.0	-4.8	Peak	Horizontal
	8352.5	36.9	12.0	48.9	54.0	-5.1	Peak	Horizontal
*	9814.5	35.1	15.4	50.5	68.2	-17.7	Peak	Horizontal
*	10520.0	35.4	17.2	52.6	68.2	-15.6	Peak	Horizontal
	7545.0	34.8	12.8	47.6	54.0	-6.4	Peak	Vertical
	8242.0	36.5	11.9	48.4	54.0	-5.6	Peak	Vertical
*	9823.0	34.7	15.6	50.3	68.2	-17.9	Peak	Vertical
*	10358.5	35.2	16.8	52.0	68.2	-16.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	35.5	12.8	48.3	54.0	-5.7	Peak	Horizontal
	8233.5	37.0	11.9	48.9	54.0	-5.1	Peak	Horizontal
*	9874.0	35.8	15.8	51.6	68.2	-16.6	Peak	Horizontal
*	10528.5	34.8	17.2	52.0	68.2	-16.2	Peak	Horizontal
	7434.5	36.1	12.7	48.8	54.0	-5.2	Peak	Vertical
	8301.5	37.0	11.9	48.9	54.0	-5.1	Peak	Vertical
*	9848.5	35.2	16.1	51.3	68.2	-16.9	Peak	Vertical
*	10409.5	35.8	17.0	52.8	68.2	-15.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7553.5	36.2	12.8	49.0	54.0	-5.0	Peak	Horizontal
	8233.5	37.0	11.9	48.9	54.0	-5.1	Peak	Horizontal
*	9976.0	36.4	15.3	51.7	68.2	-16.5	Peak	Horizontal
*	10214.0	35.6	16.3	51.9	68.2	-16.3	Peak	Horizontal
	7570.5	36.5	12.8	49.3	54.0	-4.7	Peak	Vertical
	8284.5	37.4	11.9	49.3	54.0	-4.7	Peak	Vertical
*	9738.0	35.8	14.8	50.6	68.2	-17.6	Peak	Vertical
*	10392.5	35.0	16.9	51.9	68.2	-16.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	35.7	12.8	48.5	54.0	-5.5	Peak	Horizontal
	8148.5	37.1	12.1	49.2	54.0	-4.8	Peak	Horizontal
*	9848.5	34.8	16.1	50.9	68.2	-17.3	Peak	Horizontal
*	10503.0	34.9	17.2	52.1	68.2	-16.1	Peak	Horizontal
	7485.5	35.8	12.8	48.6	54.0	-5.4	Peak	Vertical
	8208.0	36.9	11.9	48.8	54.0	-5.2	Peak	Vertical
*	9874.0	34.9	15.8	50.7	68.2	-17.5	Peak	Vertical
*	10324.5	35.4	16.7	52.1	68.2	-16.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7443.0	35.8	12.7	48.5	54.0	-5.5	Peak	Horizontal
	8140.0	38.1	12.2	50.3	54.0	-3.7	Peak	Horizontal
*	9993.0	36.4	15.4	51.8	68.2	-16.4	Peak	Horizontal
*	10460.5	35.7	17.1	52.8	68.2	-15.4	Peak	Horizontal
	7579.0	36.2	12.7	48.9	54.0	-5.1	Peak	Vertical
	8242.0	37.1	11.9	49.0	54.0	-5.0	Peak	Vertical
*	9899.5	36.0	15.4	51.4	68.2	-16.8	Peak	Vertical
*	10256.5	35.3	16.5	51.8	68.2	-16.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	36.2	12.6	48.8	54.0	-5.2	Peak	Horizontal
	8276.0	37.0	11.9	48.9	54.0	-5.1	Peak	Horizontal
*	9899.5	36.2	15.4	51.6	68.2	-16.6	Peak	Horizontal
*	10316.0	34.9	16.7	51.6	68.2	-16.6	Peak	Horizontal
	7664.0	35.9	12.5	48.4	54.0	-5.6	Peak	Vertical
	8131.5	36.7	12.2	48.9	54.0	-5.1	Peak	Vertical
*	9814.5	34.2	15.4	49.6	68.2	-18.6	Peak	Vertical
*	10333.0	35.1	16.7	51.8	68.2	-16.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7434.5	35.6	12.7	48.3	54.0	-5.7	Peak	Horizontal
	8233.5	36.9	11.9	48.8	54.0	-5.2	Peak	Horizontal
*	9967.5	36.7	15.3	52.0	68.2	-16.2	Peak	Horizontal
*	10528.5	35.6	17.2	52.8	68.2	-15.4	Peak	Horizontal
	7434.5	36.1	12.7	48.8	54.0	-5.2	Peak	Vertical
	8174.0	37.0	12.0	49.0	54.0	-5.0	Peak	Vertical
*	9857.0	35.9	16.2	52.1	68.2	-16.1	Peak	Vertical
*	10401.0	33.1	16.9	50.0	68.2	-18.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7426.0	36.2	12.7	48.9	54.0	-5.1	Peak	Horizontal
	8199.5	35.9	12.0	47.9	54.0	-6.1	Peak	Horizontal
*	9848.5	34.3	16.1	50.4	68.2	-17.8	Peak	Horizontal
*	10375.5	34.9	16.9	51.8	68.2	-16.4	Peak	Horizontal
	7570.5	35.2	12.8	48.0	54.0	-6.0	Peak	Vertical
	8182.5	36.7	12.0	48.7	54.0	-5.3	Peak	Vertical
*	9908.0	35.5	15.3	50.8	68.2	-17.4	Peak	Vertical
*	10316.0	34.7	16.7	51.4	68.2	-16.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	36.7	12.8	49.5	54.0	-4.5	Peak	Horizontal
	8199.5	37.2	12.0	49.2	54.0	-4.8	Peak	Horizontal
*	9823.0	34.2	15.6	49.8	68.2	-18.4	Peak	Horizontal
*	10035.5	36.2	15.5	51.7	68.2	-16.5	Peak	Horizontal
	7485.5	36.1	12.8	48.9	54.0	-5.1	Peak	Vertical
	8157.0	37.2	12.1	49.3	54.0	-4.7	Peak	Vertical
*	9746.5	35.8	14.8	50.6	68.2	-17.6	Peak	Vertical
*	10307.5	34.5	16.6	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7511.0	35.8	12.8	48.6	54.0	-5.4	Peak	Horizontal
	8310.0	36.7	11.9	48.6	54.0	-5.4	Peak	Horizontal
*	9772.0	35.3	14.9	50.2	68.2	-18.0	Peak	Horizontal
*	10375.5	34.8	16.9	51.7	68.2	-16.5	Peak	Horizontal
	7664.0	36.4	12.5	48.9	54.0	-5.1	Peak	Vertical
	8352.5	36.0	12.0	48.0	54.0	-6.0	Peak	Vertical
*	9627.5	35.5	14.4	49.9	68.2	-18.3	Peak	Vertical
*	10205.5	35.3	16.2	51.5	68.2	-16.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7477.0	35.9	12.8	48.7	54.0	-5.3	Peak	Horizontal
	8386.5	36.7	12.1	48.8	54.0	-5.2	Peak	Horizontal
*	9933.5	36.0	15.3	51.3	68.2	-16.9	Peak	Horizontal
*	10324.5	35.3	16.7	52.0	68.2	-16.2	Peak	Horizontal
	7443.0	35.9	12.7	48.6	54.0	-5.4	Peak	Vertical
	8216.5	37.0	11.9	48.9	54.0	-5.1	Peak	Vertical
*	9823.0	35.7	15.6	51.3	68.2	-16.9	Peak	Vertical
*	10562.5	36.4	17.2	53.6	68.2	-14.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	35.1	12.6	47.7	54.0	-6.3	Peak	Horizontal
	8310.0	34.8	11.9	46.7	54.0	-7.3	Peak	Horizontal
*	9891.0	36.5	15.5	52.0	68.2	-16.2	Peak	Horizontal
*	10520.0	34.6	17.2	51.8	68.2	-16.4	Peak	Horizontal
	7443.0	36.2	12.7	48.9	54.0	-5.1	Peak	Vertical
	8301.5	36.7	11.9	48.6	54.0	-5.4	Peak	Vertical
*	9670.0	35.3	14.5	49.8	68.2	-18.4	Peak	Vertical
*	10384.0	35.5	16.9	52.4	68.2	-15.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT		Temperature	26°C
Test Engineer	Kevin Ker		Relative Humidity	57 %
Test Site	AC1		Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3		Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7485.5	35.3	12.8	48.1	54.0	-5.9	Peak	Horizontal
	8216.5	35.5	11.9	47.4	54.0	-6.6	Peak	Horizontal
*	9704.0	33.7	14.6	48.3	68.2	-19.9	Peak	Horizontal
*	10069.5	33.8	15.6	49.4	68.2	-18.8	Peak	Horizontal
	7511.0	36.1	12.8	48.9	54.0	-5.1	Peak	Vertical
	8335.5	36.9	11.9	48.8	54.0	-5.2	Peak	Vertical
*	9627.5	35.9	14.4	50.3	68.2	-17.9	Peak	Vertical
*	10401.0	34.7	16.9	51.6	68.2	-16.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7655.5	35.2	12.5	47.7	54.0	-6.3	Peak	Horizontal
	8412.0	34.3	12.3	46.6	54.0	-7.4	Peak	Horizontal
*	9772.0	33.7	14.9	48.6	68.2	-19.6	Peak	Horizontal
*	10231.0	35.2	16.4	51.6	68.2	-16.6	Peak	Horizontal
	7468.5	36.0	12.8	48.8	54.0	-5.2	Peak	Vertical
	8157.0	36.7	12.1	48.8	54.0	-5.2	Peak	Vertical
*	9738.0	36.4	14.8	51.2	68.2	-17.0	Peak	Vertical
*	10307.5	34.4	16.6	51.0	68.2	-17.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7383.5	36.9	12.5	49.4	54.0	-4.6	Peak	Horizontal
	8276.0	36.0	11.9	47.9	54.0	-6.1	Peak	Horizontal
*	9636.0	34.9	14.4	49.3	68.2	-18.9	Peak	Horizontal
*	10392.5	34.9	16.9	51.8	68.2	-16.4	Peak	Horizontal
	7477.0	35.5	12.8	48.3	54.0	-5.7	Peak	Vertical
	8242.0	36.7	11.9	48.6	54.0	-5.4	Peak	Vertical
*	9678.5	34.7	14.6	49.3	68.2	-18.9	Peak	Vertical
*	10163.0	35.1	16.0	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7434.5	35.4	12.7	48.1	54.0	-5.9	Peak	Horizontal
	8327.0	35.9	11.9	47.8	54.0	-6.2	Peak	Horizontal
*	9746.5	35.0	14.8	49.8	68.2	-18.4	Peak	Horizontal
*	10248.0	35.3	16.4	51.7	68.2	-16.5	Peak	Horizontal
	7519.5	35.6	12.8	48.4	54.0	-5.6	Peak	Vertical
	8284.5	36.4	11.9	48.3	54.0	-5.7	Peak	Vertical
*	9729.5	34.7	14.7	49.4	68.2	-18.8	Peak	Vertical
*	10214.0	35.1	16.3	51.4	68.2	-16.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7587.5	35.8	12.7	48.5	54.0	-5.5	Peak	Horizontal
	8199.5	37.0	12.0	49.0	54.0	-5.0	Peak	Horizontal
*	9823.0	34.9	15.6	50.5	68.2	-17.7	Peak	Horizontal
*	10341.5	34.9	16.7	51.6	68.2	-16.6	Peak	Horizontal
	7536.5	34.2	12.8	47.0	54.0	-7.0	Peak	Vertical
	8165.5	37.4	12.1	49.5	54.0	-4.5	Peak	Vertical
*	9636.0	35.7	14.4	50.1	68.2	-18.1	Peak	Vertical
*	10418.0	35.5	17.0	52.5	68.2	-15.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT160 - Ant 0 + 1 + 2 + 3	Test Channel:	50
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7392.0	36.1	12.6	48.7	54.0	-5.3	Peak	Horizontal
	8293.0	36.4	11.9	48.3	54.0	-5.7	Peak	Horizontal
*	9729.5	35.5	14.7	50.2	68.2	-18.0	Peak	Horizontal
*	10086.5	35.7	15.7	51.4	68.2	-16.8	Peak	Horizontal
	7494.0	35.5	12.8	48.3	54.0	-5.7	Peak	Vertical
	8199.5	36.9	12.0	48.9	54.0	-5.1	Peak	Vertical
*	9627.5	35.7	14.4	50.1	68.2	-18.1	Peak	Vertical
*	10137.5	35.1	15.9	51.0	68.2	-17.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT160 - Ant 0 + 1 + 2 + 3	Test Channel:	114
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7349.5	36.3	12.4	48.7	54.0	-5.3	Peak	Horizontal
	8310.0	35.4	11.9	47.3	54.0	-6.7	Peak	Horizontal
*	9746.5	35.1	14.8	49.9	68.2	-18.3	Peak	Horizontal
*	10316.0	36.5	16.7	53.2	68.2	-15.0	Peak	Horizontal
	7460.0	33.7	12.8	46.5	54.0	-7.5	Peak	Vertical
	8293.0	36.7	11.9	48.6	54.0	-5.4	Peak	Vertical
*	9670.0	35.3	14.5	49.8	68.2	-18.4	Peak	Vertical
*	10137.5	34.9	15.9	50.8	68.2	-17.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT		Temperature	26°C	
Test Engineer	Kevin Ker		Relative Humidity	57 %	
Test Site	AC1		Test Date	2018/06/30	
Test Mode:	802.11ax-HE20- Ant 0 + 1 + 2 + 3		Test Channel:	52	
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.				

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7638.5	34.0	12.6	46.6	54.0	-7.4	Peak	Horizontal
	8199.5	35.3	12.0	47.3	54.0	-6.7	Peak	Horizontal
*	9857.0	35.2	16.2	51.4	68.2	-16.8	Peak	Horizontal
*	10265.0	34.0	16.5	50.5	68.2	-17.7	Peak	Horizontal
	7477.0	34.8	12.8	47.6	54.0	-6.4	Peak	Vertical
	8327.0	36.1	11.9	48.0	54.0	-6.0	Peak	Vertical
*	9874.0	35.3	15.8	51.1	68.2	-17.1	Peak	Vertical
*	10545.5	35.9	17.2	53.1	68.2	-15.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7604.5	35.2	12.7	47.9	54.0	-6.1	Peak	Horizontal
	8403.5	36.4	12.2	48.6	54.0	-5.4	Peak	Horizontal
*	9806.0	35.3	15.2	50.5	68.2	-17.7	Peak	Horizontal
*	10324.5	35.1	16.7	51.8	68.2	-16.4	Peak	Horizontal
	7528.0	35.3	12.8	48.1	54.0	-5.9	Peak	Vertical
	8199.5	35.7	12.0	47.7	54.0	-6.3	Peak	Vertical
*	9636.0	35.3	14.4	49.7	68.2	-18.5	Peak	Vertical
*	10248.0	35.6	16.4	52.0	68.2	-16.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7604.5	34.2	12.7	46.9	54.0	-7.1	Peak	Horizontal
	8454.5	36.4	12.5	48.9	54.0	-5.1	Peak	Horizontal
*	9823.0	35.0	15.6	50.6	68.2	-17.6	Peak	Horizontal
*	10307.5	34.3	16.6	50.9	68.2	-17.3	Peak	Horizontal
	7536.5	36.2	12.8	49.0	54.0	-5.0	Peak	Vertical
	8369.5	35.9	12.1	48.0	54.0	-6.0	Peak	Vertical
*	9653.0	35.2	14.5	49.7	68.2	-18.5	Peak	Vertical
*	10214.0	34.5	16.3	50.8	68.2	-17.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7417.5	34.8	12.6	47.4	54.0	-6.6	Peak	Horizontal
	8242.0	35.2	11.9	47.1	54.0	-6.9	Peak	Horizontal
*	9687.0	36.0	14.6	50.6	68.2	-17.6	Peak	Horizontal
*	10316.0	35.4	16.7	52.1	68.2	-16.1	Peak	Horizontal
	7502.5	35.0	12.8	47.8	54.0	-6.2	Peak	Vertical
	8386.5	36.7	12.1	48.8	54.0	-5.2	Peak	Vertical
*	9916.5	35.8	15.3	51.1	68.2	-17.1	Peak	Vertical
*	10520.0	35.5	17.2	52.7	68.2	-15.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	34.3	12.8	47.1	54.0	-6.9	Peak	Horizontal
	8174.0	36.6	12.0	48.6	54.0	-5.4	Peak	Horizontal
*	9848.5	35.3	16.1	51.4	68.2	-16.8	Peak	Horizontal
*	10307.5	33.8	16.6	50.4	68.2	-17.8	Peak	Horizontal
	7502.5	34.8	12.8	47.6	54.0	-6.4	Peak	Vertical
	8216.5	37.0	11.9	48.9	54.0	-5.1	Peak	Vertical
*	9721.0	35.9	14.7	50.6	68.2	-17.6	Peak	Vertical
*	10282.0	34.6	16.5	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7596.0	35.1	12.7	47.8	54.0	-6.2	Peak	Horizontal
	8199.5	36.3	12.0	48.3	54.0	-5.7	Peak	Horizontal
*	9763.5	35.3	14.9	50.2	68.2	-18.0	Peak	Horizontal
*	10375.5	34.9	16.9	51.8	68.2	-16.4	Peak	Horizontal
	7400.5	35.1	12.6	47.7	54.0	-6.3	Peak	Vertical
	8242.0	36.9	11.9	48.8	54.0	-5.2	Peak	Vertical
*	9661.5	35.0	14.5	49.5	68.2	-18.7	Peak	Vertical
*	10316.0	35.4	16.7	52.1	68.2	-16.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7579.0	35.3	12.7	48.0	54.0	-6.0	Peak	Horizontal
	8140.0	38.6	12.2	50.8	54.0	-3.2	Peak	Horizontal
*	9678.5	34.1	14.6	48.7	68.2	-19.5	Peak	Horizontal
*	10103.5	35.6	15.7	51.3	68.2	-16.9	Peak	Horizontal
	7392.0	36.2	12.6	48.8	54.0	-5.2	Peak	Vertical
	8267.5	36.7	11.9	48.6	54.0	-5.4	Peak	Vertical
*	9874.0	35.1	15.8	50.9	68.2	-17.3	Peak	Vertical
*	10350.0	34.3	16.8	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7383.5	36.8	12.5	49.3	54.0	-4.7	Peak	Horizontal
	8140.0	37.5	12.2	49.7	54.0	-4.3	Peak	Horizontal
*	9848.5	34.4	16.1	50.5	68.2	-17.7	Peak	Horizontal
*	10231.0	36.4	16.4	52.8	68.2	-15.4	Peak	Horizontal
	7451.5	35.6	12.8	48.4	54.0	-5.6	Peak	Vertical
	8250.5	37.3	11.9	49.2	54.0	-4.8	Peak	Vertical
*	9831.5	35.2	15.9	51.1	68.2	-17.1	Peak	Vertical
*	10324.5	34.6	16.7	51.3	68.2	-16.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7392.0	36.8	12.6	49.4	54.0	-4.6	Peak	Horizontal
	8242.0	37.3	11.9	49.2	54.0	-4.8	Peak	Horizontal
*	9848.5	34.9	16.1	51.0	68.2	-17.2	Peak	Horizontal
*	10171.5	35.6	16.1	51.7	68.2	-16.5	Peak	Horizontal
	7511.0	36.3	12.8	49.1	54.0	-4.9	Peak	Vertical
	8276.0	36.4	11.9	48.3	54.0	-5.7	Peak	Vertical
*	9661.5	36.5	14.5	51.0	68.2	-17.2	Peak	Vertical
*	10392.5	35.2	16.9	52.1	68.2	-16.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7358.0	36.3	12.4	48.7	54.0	-5.3	Peak	Horizontal
	8191.0	37.1	12.0	49.1	54.0	-4.9	Peak	Horizontal
*	9704.0	35.3	14.6	49.9	68.2	-18.3	Peak	Horizontal
*	10358.5	34.5	16.8	51.3	68.2	-16.9	Peak	Horizontal
	7477.0	34.6	12.8	47.4	54.0	-6.6	Peak	Vertical
	8199.5	37.3	12.0	49.3	54.0	-4.7	Peak	Vertical
*	9806.0	35.0	15.2	50.2	68.2	-18.0	Peak	Vertical
*	10256.5	35.1	16.5	51.6	68.2	-16.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	35.8	12.8	48.6	54.0	-5.4	Peak	Horizontal
	8157.0	37.3	12.1	49.4	54.0	-4.6	Peak	Horizontal
*	9865.5	34.7	16.0	50.7	68.2	-17.5	Peak	Horizontal
*	10579.5	35.8	17.3	53.1	68.2	-15.1	Peak	Horizontal
	7536.5	35.8	12.8	48.6	54.0	-5.4	Peak	Vertical
	8199.5	35.9	12.0	47.9	54.0	-6.1	Peak	Vertical
*	9602.0	36.2	14.4	50.6	68.2	-17.6	Peak	Vertical
*	10324.5	35.2	16.7	51.9	68.2	-16.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7536.5	35.8	12.8	48.6	54.0	-5.4	Peak	Horizontal
	8250.5	37.9	11.9	49.8	54.0	-4.2	Peak	Horizontal
*	9627.5	36.3	14.4	50.7	68.2	-17.5	Peak	Horizontal
*	10375.5	35.5	16.9	52.4	68.2	-15.8	Peak	Horizontal
	7664.0	35.8	12.5	48.3	54.0	-5.7	Peak	Vertical
	8199.5	36.5	12.0	48.5	54.0	-5.5	Peak	Vertical
*	9882.5	35.7	15.6	51.3	68.2	-16.9	Peak	Vertical
*	10290.5	35.0	16.6	51.6	68.2	-16.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7477.0	36.1	12.8	48.9	54.0	-5.1	Peak	Horizontal
	8267.5	36.1	11.9	48.0	54.0	-6.0	Peak	Horizontal
*	9704.0	35.7	14.6	50.3	68.2	-17.9	Peak	Horizontal
*	10163.0	35.5	16.0	51.5	68.2	-16.7	Peak	Horizontal
	7604.5	34.1	12.7	46.8	54.0	-7.2	Peak	Vertical
	8250.5	36.7	11.9	48.6	54.0	-5.4	Peak	Vertical
*	9882.5	35.1	15.6	50.7	68.2	-17.5	Peak	Vertical
*	10435.0	35.4	17.0	52.4	68.2	-15.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C	
Test Engineer	Kevin Ker	Relative Humidity	57 %	
Test Site	AC1	Test Date	2018/06/30	
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	58	
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7621.5	34.9	12.6	47.5	54.0	-6.5	Peak	Horizontal
	8352.5	37.3	12.0	49.3	54.0	-4.7	Peak	Horizontal
*	9746.5	35.6	14.8	50.4	68.2	-17.8	Peak	Horizontal
*	10316.0	34.8	16.7	51.5	68.2	-16.7	Peak	Horizontal
	7630.0	33.6	12.6	46.2	54.0	-7.8	Peak	Vertical
	8369.5	35.6	12.1	47.7	54.0	-6.3	Peak	Vertical
*	9848.5	35.4	16.1	51.5	68.2	-16.7	Peak	Vertical
*	10375.5	36.2	16.9	53.1	68.2	-15.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C	
Test Engineer	Kevin Ker	Relative Humidity	57 %	
Test Site	AC1	Test Date	2018/06/30	
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	106	
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	35.1	12.8	47.9	54.0	-6.1	Peak	Horizontal
	8182.5	37.4	12.0	49.4	54.0	-4.6	Peak	Horizontal
*	9746.5	35.5	14.8	50.3	68.2	-17.9	Peak	Horizontal
*	10528.5	35.2	17.2	52.4	68.2	-15.8	Peak	Horizontal
	7366.5	34.7	12.5	47.2	54.0	-6.8	Peak	Vertical
	8242.0	36.7	11.9	48.6	54.0	-5.4	Peak	Vertical
*	9848.5	35.5	16.1	51.6	68.2	-16.6	Peak	Vertical
*	10486.0	34.6	17.1	51.7	68.2	-16.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7562.0	36.1	12.8	48.9	54.0	-5.1	Peak	Horizontal
	8148.5	37.3	12.1	49.4	54.0	-4.6	Peak	Horizontal
*	9806.0	35.3	15.2	50.5	68.2	-17.7	Peak	Horizontal
*	10418.0	35.6	17.0	52.6	68.2	-15.6	Peak	Horizontal
	7553.5	36.6	12.8	49.4	54.0	-4.6	Peak	Vertical
	8165.5	36.1	12.1	48.2	54.0	-5.8	Peak	Vertical
*	10112.0	35.9	15.8	51.7	68.2	-16.5	Peak	Vertical
*	10418.0	35.1	17.0	52.1	68.2	-16.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7392.0	36.5	12.6	49.1	54.0	-4.9	Peak	Horizontal
	8208.0	37.1	11.9	49.0	54.0	-5.0	Peak	Horizontal
*	9763.5	35.3	14.9	50.2	68.2	-18.0	Peak	Horizontal
*	10409.5	35.6	17.0	52.6	68.2	-15.6	Peak	Horizontal
	7689.5	36.2	12.4	48.6	54.0	-5.4	Peak	Vertical
	8148.5	37.5	12.1	49.6	54.0	-4.4	Peak	Vertical
*	9670.0	36.3	14.5	50.8	68.2	-17.4	Peak	Vertical
*	10256.5	35.0	16.5	51.5	68.2	-16.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE160 - Ant 0 + 1 + 2 + 3	Test Channel:	50
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	34.5	12.8	47.3	54.0	-6.7	Peak	Horizontal
	8242.0	36.5	11.9	48.4	54.0	-5.6	Peak	Horizontal
*	9644.5	35.0	14.4	49.4	68.2	-18.8	Peak	Horizontal
*	10239.5	34.9	16.4	51.3	68.2	-16.9	Peak	Horizontal
	7545.0	34.8	12.8	47.6	54.0	-6.4	Peak	Vertical
	8318.5	35.9	11.9	47.8	54.0	-6.2	Peak	Vertical
*	9678.5	36.0	14.6	50.6	68.2	-17.6	Peak	Vertical
*	10316.0	35.1	16.7	51.8	68.2	-16.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE160 - Ant 0 + 1 + 2 + 3	Test Channel:	114
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7460.0	37.5	12.8	50.3	54.0	-3.7	Peak	Horizontal
	8140.0	36.4	12.2	48.6	54.0	-5.4	Peak	Horizontal
*	9874.0	35.8	15.8	51.6	68.2	-16.6	Peak	Horizontal
*	10265.0	35.1	16.5	51.6	68.2	-16.6	Peak	Horizontal
	7511.0	36.1	12.8	48.9	54.0	-5.1	Peak	Vertical
	8140.0	37.5	12.2	49.7	54.0	-4.3	Peak	Vertical
*	9848.5	36.2	16.1	52.3	68.2	-15.9	Peak	Vertical
*	10401.0	35.0	16.9	51.9	68.2	-16.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2018/07/08 - 17:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: There is the worst case within frequency range 30MHz~1GHz.	
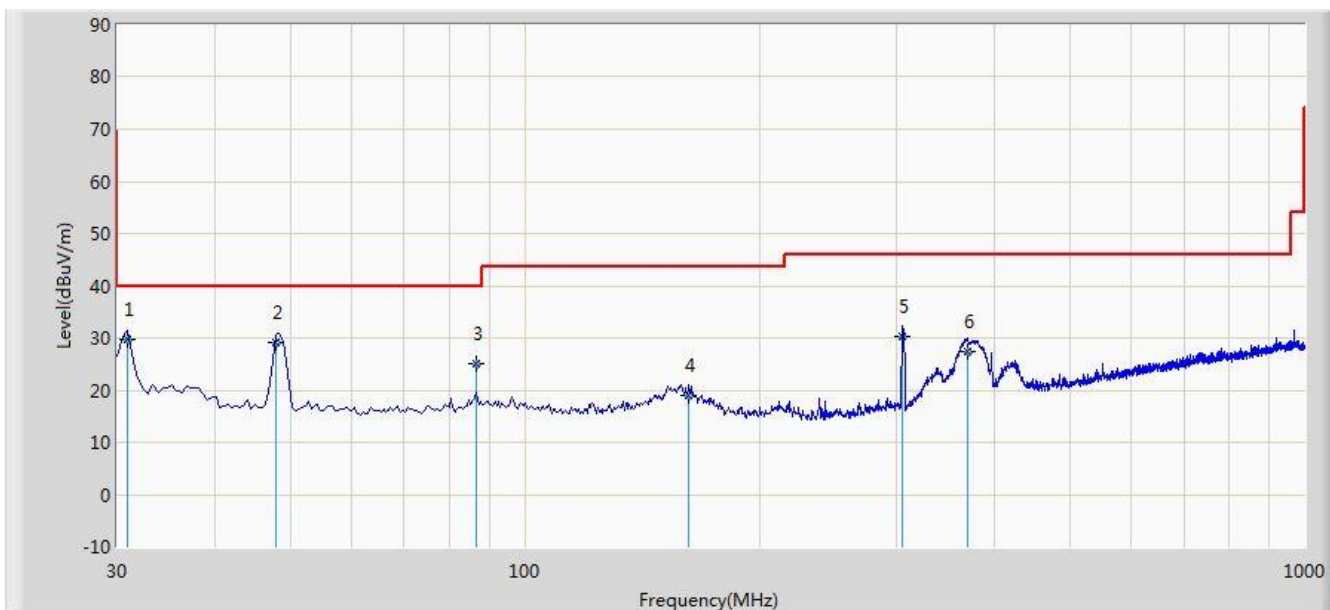
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	30.980	29.638	15.875	-10.362	40.000	13.763	QP
2			47.854	29.078	14.851	-10.922	40.000	14.227	QP
3			86.745	25.109	14.857	-14.891	40.000	10.251	QP
4			162.405	19.070	3.986	-24.430	43.500	15.084	QP
5			305.240	30.395	15.854	-15.605	46.000	14.541	QP
6			369.500	27.330	11.354	-18.670	46.000	15.976	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

Site: AC1	Time: 2018/07/08 - 17:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz

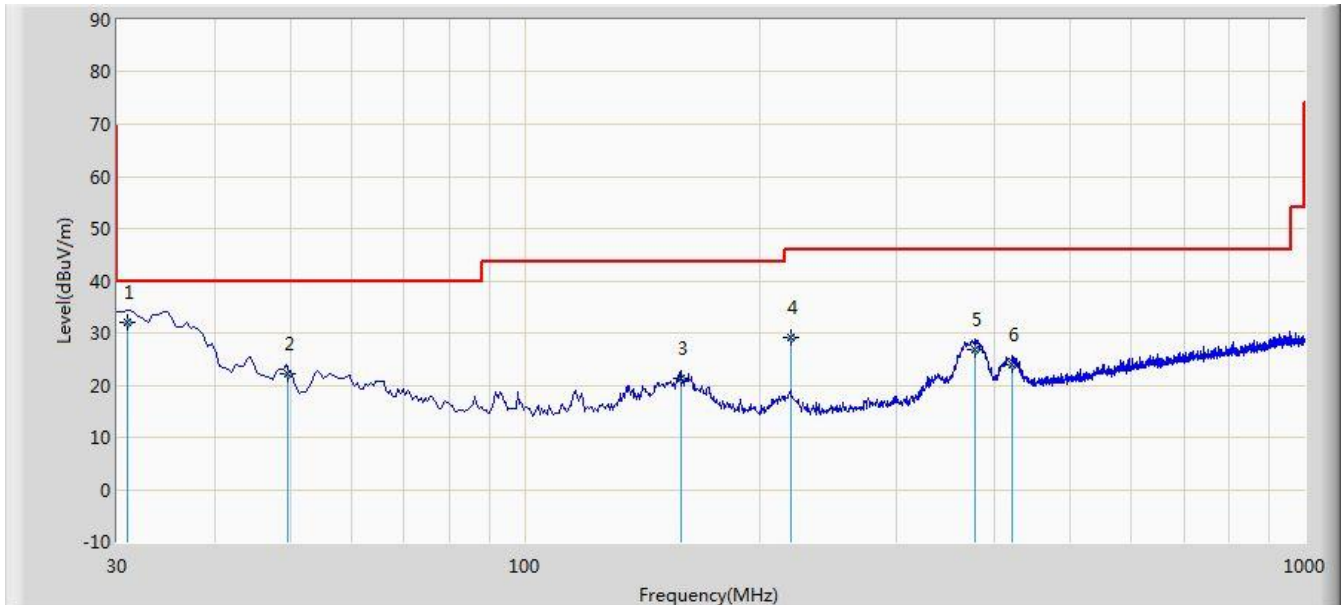**Test Mode: There is the worst case within frequency range 30MHz~1GHz.**

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	30.970	32.153	18.390	-7.847	40.000	13.762	QP
2			49.570	22.050	7.850	-17.950	40.000	14.200	QP
3			158.650	21.169	5.870	-22.331	43.500	15.300	QP
4			219.150	29.210	17.258	-16.790	46.000	11.952	QP
5			378.250	26.847	10.685	-19.153	46.000	16.163	QP
6			422.365	23.790	6.580	-22.210	46.000	17.210	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

For APIN0514 - Directional Antenna (AP-ANT-48)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	36.2	12.8	49.0	54.0	-5.0	Peak	Horizontal
	8310.0	36.0	11.9	47.9	54.0	-6.1	Peak	Horizontal
*	8854.0	33.1	14.0	47.1	68.2	-21.1	Peak	Horizontal
*	10265.0	35.2	16.5	51.7	68.2	-16.5	Peak	Horizontal
	7553.5	36.4	12.8	49.2	54.0	-4.8	Peak	Vertical
	8242.0	36.4	11.9	48.3	54.0	-5.7	Peak	Vertical
*	8862.5	33.7	14.0	47.7	68.2	-20.5	Peak	Vertical
*	10035.5	33.5	15.5	49.0	68.2	-19.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7460.0	36.5	12.8	49.3	54.0	-4.7	Peak	Horizontal
	8276.0	35.7	11.9	47.6	54.0	-6.4	Peak	Horizontal
*	9593.5	33.9	14.4	48.3	68.2	-19.9	Peak	Horizontal
*	10469.0	33.8	17.1	50.9	68.2	-17.3	Peak	Horizontal
	7698.0	35.8	12.4	48.2	54.0	-5.8	Peak	Vertical
	8378.0	36.5	12.1	48.6	54.0	-5.4	Peak	Vertical
*	9627.5	34.9	14.4	49.3	68.2	-18.9	Peak	Vertical
*	10350.0	34.6	16.8	51.4	68.2	-16.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7596.0	36.3	12.7	49.0	54.0	-5.0	Peak	Horizontal
	8225.0	36.3	11.9	48.2	54.0	-5.8	Peak	Horizontal
*	8769.0	32.4	13.9	46.3	68.2	-21.9	Peak	Horizontal
*	10222.5	35.1	16.3	51.4	68.2	-16.8	Peak	Horizontal
	7579.0	36.4	12.7	49.1	54.0	-4.9	Peak	Vertical
	8327.0	36.5	11.9	48.4	54.0	-5.6	Peak	Vertical
*	8896.5	34.5	14.0	48.5	68.2	-19.7	Peak	Vertical
*	10299.0	36.4	16.6	53.0	68.2	-15.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	36.1	12.8	48.9	54.0	-5.1	Peak	Horizontal
	8276.0	36.1	11.9	48.0	54.0	-6.0	Peak	Horizontal
*	9602.0	34.1	14.4	48.5	68.2	-19.7	Peak	Horizontal
*	10460.5	33.5	17.1	50.6	68.2	-17.6	Peak	Horizontal
	7485.5	34.2	12.8	47.0	54.0	-7.0	Peak	Vertical
	8327.0	36.4	11.9	48.3	54.0	-5.7	Peak	Vertical
*	8888.0	32.7	14.0	46.7	68.2	-21.5	Peak	Vertical
*	9942.0	33.2	15.3	48.5	68.2	-19.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	34.3	12.8	47.1	54.0	-6.9	Peak	Horizontal
	8242.0	35.0	11.9	46.9	54.0	-7.1	Peak	Horizontal
*	9695.5	33.5	14.6	48.1	68.2	-20.1	Peak	Horizontal
*	10324.5	33.6	16.7	50.3	68.2	-17.9	Peak	Horizontal
	7468.5	34.8	12.8	47.6	54.0	-6.4	Peak	Vertical
	8352.5	35.0	12.0	47.0	54.0	-7.0	Peak	Vertical
*	9746.5	35.3	14.8	50.1	68.2	-18.1	Peak	Vertical
*	10443.5	32.4	17.1	49.5	68.2	-18.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	34.5	12.8	47.3	54.0	-6.7	Peak	Horizontal
	8208.0	36.0	11.9	47.9	54.0	-6.1	Peak	Horizontal
*	8692.5	33.8	13.7	47.5	68.2	-20.7	Peak	Horizontal
*	10180.0	34.0	16.1	50.1	68.2	-18.1	Peak	Horizontal
	7375.0	35.3	12.5	47.8	54.0	-6.2	Peak	Vertical
	8208.0	36.4	11.9	48.3	54.0	-5.7	Peak	Vertical
*	8718.0	33.4	13.8	47.2	68.2	-21.0	Peak	Vertical
*	10171.5	35.0	16.1	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7579.0	35.5	12.7	48.2	54.0	-5.8	Peak	Horizontal
	8352.5	34.5	12.0	46.5	54.0	-7.5	Peak	Horizontal
*	9636.0	34.4	14.4	48.8	68.2	-19.4	Peak	Horizontal
*	10477.5	32.9	17.1	50.0	68.2	-18.2	Peak	Horizontal
	7587.5	36.4	12.7	49.1	54.0	-4.9	Peak	Vertical
	8310.0	34.3	11.9	46.2	54.0	-7.8	Peak	Vertical
*	9763.5	34.9	14.9	49.8	68.2	-18.4	Peak	Vertical
*	10494.5	33.2	17.2	50.4	68.2	-17.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20- Ant 0 + 1 + 2 + 3	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	34.5	12.8	47.3	54.0	-6.7	Peak	Horizontal
	8242.0	34.9	11.9	46.8	54.0	-7.2	Peak	Horizontal
*	8854.0	32.2	14.0	46.2	68.2	-22.0	Peak	Horizontal
*	10180.0	36.0	16.1	52.1	68.2	-16.1	Peak	Horizontal
	7587.5	35.9	12.7	48.6	54.0	-5.4	Peak	Vertical
	8250.5	36.5	11.9	48.4	54.0	-5.6	Peak	Vertical
*	8990.0	34.1	14.1	48.2	68.2	-20.0	Peak	Vertical
*	9899.5	33.4	15.4	48.8	68.2	-19.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	34.4	12.8	47.2	54.0	-6.8	Peak	Horizontal
	8199.5	35.4	12.0	47.4	54.0	-6.6	Peak	Horizontal
*	8692.5	34.5	13.7	48.2	68.2	-20.0	Peak	Horizontal
*	10418.0	34.6	17.0	51.6	68.2	-16.6	Peak	Horizontal
	7579.0	35.9	12.7	48.6	54.0	-5.4	Peak	Vertical
	8182.5	35.9	12.0	47.9	54.0	-6.1	Peak	Vertical
*	8828.5	32.2	14.0	46.2	68.2	-22.0	Peak	Vertical
*	9857.0	32.8	16.2	49.0	68.2	-19.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7536.5	35.9	12.8	48.7	54.0	-5.3	Peak	Horizontal
	8318.5	36.1	11.9	48.0	54.0	-6.0	Peak	Horizontal
*	8794.5	33.1	13.9	47.0	68.2	-21.2	Peak	Horizontal
*	10265.0	33.3	16.5	49.8	68.2	-18.4	Peak	Horizontal
	7502.5	35.4	12.8	48.2	54.0	-5.8	Peak	Vertical
	8352.5	34.5	12.0	46.5	54.0	-7.5	Peak	Vertical
*	8735.0	32.9	13.9	46.8	68.2	-21.4	Peak	Vertical
*	9984.5	34.1	15.4	49.5	68.2	-18.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7519.5	35.7	12.8	48.5	54.0	-5.5	Peak	Horizontal
	8378.0	36.8	12.1	48.9	54.0	-5.1	Peak	Horizontal
*	9661.5	34.2	14.5	48.7	68.2	-19.5	Peak	Horizontal
*	10469.0	32.8	17.1	49.9	68.2	-18.3	Peak	Horizontal
	7536.5	34.8	12.8	47.6	54.0	-6.4	Peak	Vertical
	8276.0	35.3	11.9	47.2	54.0	-6.8	Peak	Vertical
*	9678.5	33.7	14.6	48.3	68.2	-19.9	Peak	Vertical
*	10469.0	33.0	17.1	50.1	68.2	-18.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7545.0	35.3	12.8	48.1	54.0	-5.9	Peak	Horizontal
	8369.5	35.7	12.1	47.8	54.0	-6.2	Peak	Horizontal
*	9653.0	35.2	14.5	49.7	68.2	-18.5	Peak	Horizontal
*	10511.5	34.2	17.2	51.4	68.2	-16.8	Peak	Horizontal
	7519.5	36.0	12.8	48.8	54.0	-5.2	Peak	Vertical
	8301.5	36.4	11.9	48.3	54.0	-5.7	Peak	Vertical
*	8828.5	33.8	14.0	47.8	68.2	-20.4	Peak	Vertical
*	10078.0	33.7	15.6	49.3	68.2	-18.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7460.0	34.1	12.8	46.9	54.0	-7.1	Peak	Horizontal
	8174.0	35.7	12.0	47.7	54.0	-6.3	Peak	Horizontal
*	9687.0	34.8	14.6	49.4	68.2	-18.8	Peak	Horizontal
*	10511.5	34.5	17.2	51.7	68.2	-16.5	Peak	Horizontal
	7460.0	35.3	12.8	48.1	54.0	-5.9	Peak	Vertical
	8310.0	35.0	11.9	46.9	54.0	-7.1	Peak	Vertical
*	9678.5	33.4	14.6	48.0	68.2	-20.2	Peak	Vertical
*	10520.0	34.0	17.2	51.2	68.2	-17.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	34.3	12.8	47.1	54.0	-6.9	Peak	Horizontal
	8276.0	34.2	11.9	46.1	54.0	-7.9	Peak	Horizontal
*	9678.5	33.9	14.6	48.5	68.2	-19.7	Peak	Horizontal
*	10265.0	33.2	16.5	49.7	68.2	-18.5	Peak	Horizontal
	7519.5	35.8	12.8	48.6	54.0	-5.4	Peak	Vertical
	8395.0	35.1	12.2	47.3	54.0	-6.7	Peak	Vertical
*	8854.0	33.0	14.0	47.0	68.2	-21.2	Peak	Vertical
*	10129.0	34.1	15.9	50.0	68.2	-18.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7562.0	36.0	12.8	48.8	54.0	-5.2	Peak	Horizontal
	8242.0	35.6	11.9	47.5	54.0	-6.5	Peak	Horizontal
*	8786.0	33.6	13.9	47.5	68.2	-20.7	Peak	Horizontal
*	10367.0	35.0	16.8	51.8	68.2	-16.4	Peak	Horizontal
	7400.5	34.8	12.6	47.4	54.0	-6.6	Peak	Vertical
	8131.5	35.4	12.2	47.6	54.0	-6.4	Peak	Vertical
*	8777.5	33.2	13.9	47.1	68.2	-21.1	Peak	Vertical
*	10265.0	35.2	16.5	51.7	68.2	-16.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT		Temperature	26°C	
Test Engineer	Kevin Ker		Relative Humidity	57 %	
Test Site	AC1		Test Date	2018/06/30	
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3		Test Channel:	62	
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.				

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7460.0	36.2	12.8	49.0	54.0	-5.0	Peak	Horizontal
	8174.0	36.3	12.0	48.3	54.0	-5.7	Peak	Horizontal
*	8777.5	33.3	13.9	47.2	68.2	-21.0	Peak	Horizontal
*	9993.0	34.3	15.4	49.7	68.2	-18.5	Peak	Horizontal
	7511.0	35.7	12.8	48.5	54.0	-5.5	Peak	Vertical
	8165.5	36.2	12.1	48.3	54.0	-5.7	Peak	Vertical
*	8811.5	34.9	14.0	48.9	68.2	-19.3	Peak	Vertical
*	10503.0	35.8	17.2	53.0	68.2	-15.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7672.5	36.2	12.5	48.7	54.0	-5.3	Peak	Horizontal
	8344.0	36.5	12.0	48.5	54.0	-5.5	Peak	Horizontal
*	8786.0	33.6	13.9	47.5	68.2	-20.7	Peak	Horizontal
*	9857.0	32.3	16.2	48.5	68.2	-19.7	Peak	Horizontal
	7434.5	36.2	12.7	48.9	54.0	-5.1	Peak	Vertical
	8386.5	34.6	12.1	46.7	54.0	-7.3	Peak	Vertical
*	8854.0	33.1	14.0	47.1	68.2	-21.1	Peak	Vertical
*	10120.5	34.9	15.8	50.7	68.2	-17.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7536.5	34.6	12.8	47.4	54.0	-6.6	Peak	Horizontal
	8480.0	35.4	12.7	48.1	54.0	-5.9	Peak	Horizontal
*	9636.0	34.3	14.4	48.7	68.2	-19.5	Peak	Horizontal
*	10367.0	35.0	16.8	51.8	68.2	-16.4	Peak	Horizontal
	7570.5	35.9	12.8	48.7	54.0	-5.3	Peak	Vertical
	8361.0	34.4	12.0	46.4	54.0	-7.6	Peak	Vertical
*	9661.5	33.8	14.5	48.3	68.2	-19.9	Peak	Vertical
*	10358.5	34.0	16.8	50.8	68.2	-17.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7477.0	36.7	12.8	49.5	54.0	-4.5	Peak	Horizontal
	8276.0	34.4	11.9	46.3	54.0	-7.7	Peak	Horizontal
*	8786.0	33.0	13.9	46.9	68.2	-21.3	Peak	Horizontal
*	10214.0	33.5	16.3	49.8	68.2	-18.4	Peak	Horizontal
	7400.5	33.6	12.6	46.2	54.0	-7.8	Peak	Vertical
	8208.0	35.3	11.9	47.2	54.0	-6.8	Peak	Vertical
*	9610.5	34.8	14.4	49.2	68.2	-19.0	Peak	Vertical
*	10545.5	34.3	17.2	51.5	68.2	-16.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	36.6	12.8	49.4	54.0	-4.6	Peak	Horizontal
	8301.5	36.4	11.9	48.3	54.0	-5.7	Peak	Horizontal
*	8735.0	32.6	13.9	46.5	68.2	-21.7	Peak	Horizontal
*	10120.5	34.7	15.8	50.5	68.2	-17.7	Peak	Horizontal
	7502.5	34.1	12.8	46.9	54.0	-7.1	Peak	Vertical
	8267.5	34.7	11.9	46.6	54.0	-7.4	Peak	Vertical
*	8752.0	33.5	13.9	47.4	68.2	-20.8	Peak	Vertical
*	10248.0	35.0	16.4	51.4	68.2	-16.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7553.5	36.3	12.8	49.1	54.0	-4.9	Peak	Horizontal
	8446.0	35.0	12.5	47.5	54.0	-6.5	Peak	Horizontal
*	9636.0	34.5	14.4	48.9	68.2	-19.3	Peak	Horizontal
*	10537.0	33.2	17.2	50.4	68.2	-17.8	Peak	Horizontal
	7502.5	34.5	12.8	47.3	54.0	-6.7	Peak	Vertical
	8199.5	35.5	12.0	47.5	54.0	-6.5	Peak	Vertical
*	8675.5	34.2	13.7	47.9	68.2	-20.3	Peak	Vertical
*	10248.0	35.6	16.4	52.0	68.2	-16.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	36.6	12.8	49.4	54.0	-4.6	Peak	Horizontal
	8131.5	37.1	12.2	49.3	54.0	-4.7	Peak	Horizontal
*	8760.5	33.7	13.9	47.6	68.2	-20.6	Peak	Horizontal
*	10163.0	34.5	16.0	50.5	68.2	-17.7	Peak	Horizontal
	7511.0	35.7	12.8	48.5	54.0	-5.5	Peak	Vertical
	8480.0	35.6	12.7	48.3	54.0	-5.7	Peak	Vertical
*	9678.5	33.8	14.6	48.4	68.2	-19.8	Peak	Vertical
*	10350.0	33.7	16.8	50.5	68.2	-17.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7519.5	36.1	12.8	48.9	54.0	-5.1	Peak	Horizontal
	8182.5	36.7	12.0	48.7	54.0	-5.3	Peak	Horizontal
*	8888.0	32.5	14.0	46.5	68.2	-21.7	Peak	Horizontal
*	10494.5	33.4	17.2	50.6	68.2	-17.6	Peak	Horizontal
	7528.0	36.4	12.8	49.2	54.0	-4.8	Peak	Vertical
	8378.0	35.9	12.1	48.0	54.0	-6.0	Peak	Vertical
*	9636.0	34.7	14.4	49.1	68.2	-19.1	Peak	Vertical
*	10494.5	33.1	17.2	50.3	68.2	-17.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7485.5	36.0	12.8	48.8	54.0	-5.2	Peak	Horizontal
	8301.5	35.7	11.9	47.6	54.0	-6.4	Peak	Horizontal
*	8692.5	32.8	13.7	46.5	68.2	-21.7	Peak	Horizontal
*	10231.0	34.6	16.4	51.0	68.2	-17.2	Peak	Horizontal
	7562.0	35.6	12.8	48.4	54.0	-5.6	Peak	Vertical
	8352.5	33.9	12.0	45.9	54.0	-8.1	Peak	Vertical
*	8922.0	33.8	14.0	47.8	68.2	-20.4	Peak	Vertical
*	10078.0	34.2	15.6	49.8	68.2	-18.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT160 - Ant 0 + 1 + 2 + 3	Test Channel:	50
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	34.3	12.8	47.1	54.0	-6.9	Peak	Horizontal
	8276.0	34.3	11.9	46.2	54.0	-7.8	Peak	Horizontal
*	8769.0	32.5	13.9	46.4	68.2	-21.8	Peak	Horizontal
*	10299.0	34.5	16.6	51.1	68.2	-17.1	Peak	Horizontal
	7570.5	35.9	12.8	48.7	54.0	-5.3	Peak	Vertical
	8276.0	36.3	11.9	48.2	54.0	-5.8	Peak	Vertical
*	8794.5	33.1	13.9	47.0	68.2	-21.2	Peak	Vertical
*	10443.5	33.2	17.1	50.3	68.2	-17.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT160 - Ant 0 + 1 + 2 + 3	Test Channel:	114
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	34.6	12.4	47.0	54.0	-7.0	Peak	Horizontal
	8131.5	35.2	12.2	47.4	54.0	-6.6	Peak	Horizontal
*	8675.5	33.8	13.7	47.5	68.2	-20.7	Peak	Horizontal
*	10494.5	35.0	17.2	52.2	68.2	-16.0	Peak	Horizontal
	7536.5	35.1	12.8	47.9	54.0	-6.1	Peak	Vertical
	8242.0	34.4	11.9	46.3	54.0	-7.7	Peak	Vertical
*	8692.5	33.5	13.7	47.2	68.2	-21.0	Peak	Vertical
*	10307.5	34.9	16.6	51.5	68.2	-16.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20- Ant 0 + 1 + 2 + 3	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7604.5	35.3	12.7	48.0	54.0	-6.0	Peak	Horizontal
	8301.5	34.3	11.9	46.2	54.0	-7.8	Peak	Horizontal
*	8854.0	32.0	14.0	46.0	68.2	-22.2	Peak	Horizontal
*	10290.5	34.2	16.6	50.8	68.2	-17.4	Peak	Horizontal
	7672.5	36.1	12.5	48.6	54.0	-5.4	Peak	Vertical
	8395.0	34.7	12.2	46.9	54.0	-7.1	Peak	Vertical
*	9670.0	34.7	14.5	49.2	68.2	-19.0	Peak	Vertical
*	10401.0	33.1	16.9	50.0	68.2	-18.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7426.0	33.7	12.7	46.4	54.0	-7.6	Peak	Horizontal
	8199.5	35.2	12.0	47.2	54.0	-6.8	Peak	Horizontal
*	8769.0	31.8	13.9	45.7	68.2	-22.5	Peak	Horizontal
*	10265.0	33.3	16.5	49.8	68.2	-18.4	Peak	Horizontal
	7579.0	35.9	12.7	48.6	54.0	-5.4	Peak	Vertical
	8267.5	37.0	11.9	48.9	54.0	-5.1	Peak	Vertical
*	8777.5	32.8	13.9	46.7	68.2	-21.5	Peak	Vertical
*	9993.0	33.3	15.4	48.7	68.2	-19.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7621.5	35.7	12.6	48.3	54.0	-5.7	Peak	Horizontal
	8386.5	35.7	12.1	47.8	54.0	-6.2	Peak	Horizontal
*	8811.5	34.2	14.0	48.2	68.2	-20.0	Peak	Horizontal
*	10120.5	35.5	15.8	51.3	68.2	-16.9	Peak	Horizontal
	7545.0	36.2	12.8	49.0	54.0	-5.0	Peak	Vertical
	8437.5	35.6	12.4	48.0	54.0	-6.0	Peak	Vertical
*	9593.5	34.1	14.4	48.5	68.2	-19.7	Peak	Vertical
*	10494.5	33.9	17.2	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7562.0	35.6	12.8	48.4	54.0	-5.6	Peak	Horizontal
	8403.5	35.8	12.2	48.0	54.0	-6.0	Peak	Horizontal
*	9738.0	35.9	14.8	50.7	68.2	-17.5	Peak	Horizontal
*	10537.0	34.5	17.2	51.7	68.2	-16.5	Peak	Horizontal
	7477.0	36.2	12.8	49.0	54.0	-5.0	Peak	Vertical
	8148.5	36.9	12.1	49.0	54.0	-5.0	Peak	Vertical
*	8769.0	34.2	13.9	48.1	68.2	-20.1	Peak	Vertical
*	10171.5	34.1	16.1	50.2	68.2	-18.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	35.7	12.8	48.5	54.0	-5.5	Peak	Horizontal
	8225.0	36.0	11.9	47.9	54.0	-6.1	Peak	Horizontal
*	8718.0	33.8	13.8	47.6	68.2	-20.6	Peak	Horizontal
*	10222.5	34.8	16.3	51.1	68.2	-17.1	Peak	Horizontal
	7570.5	35.6	12.8	48.4	54.0	-5.6	Peak	Vertical
	8242.0	35.5	11.9	47.4	54.0	-6.6	Peak	Vertical
*	8709.5	33.2	13.8	47.0	68.2	-21.2	Peak	Vertical
*	10367.0	35.7	16.8	52.5	68.2	-15.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	35.6	12.8	48.4	54.0	-5.6	Peak	Horizontal
	8293.0	34.0	11.9	45.9	54.0	-8.1	Peak	Horizontal
*	8794.5	33.3	13.9	47.2	68.2	-21.0	Peak	Horizontal
*	10239.5	34.5	16.4	50.9	68.2	-17.3	Peak	Horizontal
	7434.5	36.6	12.7	49.3	54.0	-4.7	Peak	Vertical
	8242.0	35.5	11.9	47.4	54.0	-6.6	Peak	Vertical
*	9593.5	34.3	14.4	48.7	68.2	-19.5	Peak	Vertical
*	10469.0	34.2	17.1	51.3	68.2	-16.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	37.3	12.8	50.1	54.0	-3.9	Peak	Horizontal
	8259.0	35.4	11.9	47.3	54.0	-6.7	Peak	Horizontal
*	8811.5	32.4	14.0	46.4	68.2	-21.8	Peak	Horizontal
*	10239.5	34.6	16.4	51.0	68.2	-17.2	Peak	Horizontal
	7553.5	35.8	12.8	48.6	54.0	-5.4	Peak	Vertical
	8352.5	35.8	12.0	47.8	54.0	-6.2	Peak	Vertical
*	8811.5	33.6	14.0	47.6	68.2	-20.6	Peak	Vertical
*	10214.0	34.9	16.3	51.2	68.2	-17.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	34.2	12.8	47.0	54.0	-7.0	Peak	Horizontal
	8233.5	36.3	11.9	48.2	54.0	-5.8	Peak	Horizontal
*	8811.5	33.1	14.0	47.1	68.2	-21.1	Peak	Horizontal
*	10171.5	33.5	16.1	49.6	68.2	-18.6	Peak	Horizontal
	7570.5	35.9	12.8	48.7	54.0	-5.3	Peak	Vertical
	8310.0	36.0	11.9	47.9	54.0	-6.1	Peak	Vertical
*	9644.5	33.9	14.4	48.3	68.2	-19.9	Peak	Vertical
*	10443.5	32.7	17.1	49.8	68.2	-18.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C	
Test Engineer	Kevin Ker	Relative Humidity	57 %	
Test Site	AC1	Test Date	2018/06/30	
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	62	
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7562.0	35.7	12.8	48.5	54.0	-5.5	Peak	Horizontal
	8310.0	34.2	11.9	46.1	54.0	-7.9	Peak	Horizontal
*	9678.5	34.5	14.6	49.1	68.2	-19.1	Peak	Horizontal
*	10545.5	34.4	17.2	51.6	68.2	-16.6	Peak	Horizontal
	7528.0	37.9	12.8	50.7	54.0	-3.3	Peak	Vertical
	8276.0	36.8	11.9	48.7	54.0	-5.3	Peak	Vertical
*	8769.0	32.2	13.9	46.1	68.2	-22.1	Peak	Vertical
*	10078.0	34.8	15.6	50.4	68.2	-17.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	35.7	12.8	48.5	54.0	-5.5	Peak	Horizontal
	8140.0	36.1	12.2	48.3	54.0	-5.7	Peak	Horizontal
*	8709.5	33.8	13.8	47.6	68.2	-20.6	Peak	Horizontal
*	10035.5	35.3	15.5	50.8	68.2	-17.4	Peak	Horizontal
	7613.0	36.1	12.6	48.7	54.0	-5.3	Peak	Vertical
	8242.0	35.8	11.9	47.7	54.0	-6.3	Peak	Vertical
*	8769.0	32.3	13.9	46.2	68.2	-22.0	Peak	Vertical
*	10163.0	35.3	16.0	51.3	68.2	-16.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7477.0	36.2	12.8	49.0	54.0	-5.0	Peak	Horizontal
	8216.5	36.0	11.9	47.9	54.0	-6.1	Peak	Horizontal
*	8692.5	32.5	13.7	46.2	68.2	-22.0	Peak	Horizontal
*	10256.5	34.9	16.5	51.4	68.2	-16.8	Peak	Horizontal
	7400.5	36.2	12.6	48.8	54.0	-5.2	Peak	Vertical
	8131.5	35.8	12.2	48.0	54.0	-6.0	Peak	Vertical
*	8896.5	32.5	14.0	46.5	68.2	-21.7	Peak	Vertical
*	10214.0	33.2	16.3	49.5	68.2	-18.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7511.0	36.2	12.8	49.0	54.0	-5.0	Peak	Horizontal
	8310.0	33.7	11.9	45.6	54.0	-8.4	Peak	Horizontal
*	8811.5	33.7	14.0	47.7	68.2	-20.5	Peak	Horizontal
*	10171.5	33.7	16.1	49.8	68.2	-18.4	Peak	Horizontal
	7468.5	36.4	12.8	49.2	54.0	-4.8	Peak	Vertical
	8165.5	36.9	12.1	49.0	54.0	-5.0	Peak	Vertical
*	8658.5	33.5	13.6	47.1	68.2	-21.1	Peak	Vertical
*	9763.5	35.1	14.9	50.0	68.2	-18.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7477.0	36.4	12.8	49.2	54.0	-4.8	Peak	Horizontal
	8191.0	34.8	12.0	46.8	54.0	-7.2	Peak	Horizontal
*	8769.0	32.7	13.9	46.6	68.2	-21.6	Peak	Horizontal
*	10375.5	35.2	16.9	52.1	68.2	-16.1	Peak	Horizontal
	7570.5	36.2	12.8	49.0	54.0	-5.0	Peak	Vertical
	8327.0	35.1	11.9	47.0	54.0	-7.0	Peak	Vertical
*	8769.0	33.0	13.9	46.9	68.2	-21.3	Peak	Vertical
*	10290.5	34.2	16.6	50.8	68.2	-17.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	36.9	12.8	49.7	54.0	-4.3	Peak	Horizontal
	8344.0	36.0	12.0	48.0	54.0	-6.0	Peak	Horizontal
*	8811.5	32.6	14.0	46.6	68.2	-21.6	Peak	Horizontal
*	10095.0	35.2	15.7	50.9	68.2	-17.3	Peak	Horizontal
	7562.0	35.8	12.8	48.6	54.0	-5.4	Peak	Vertical
	8378.0	34.1	12.1	46.2	54.0	-7.8	Peak	Vertical
*	8769.0	32.6	13.9	46.5	68.2	-21.7	Peak	Vertical
*	10239.5	34.7	16.4	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	35.7	12.8	48.5	54.0	-5.5	Peak	Horizontal
	8369.5	35.5	12.1	47.6	54.0	-6.4	Peak	Horizontal
*	8811.5	32.5	14.0	46.5	68.2	-21.7	Peak	Horizontal
*	10299.0	34.3	16.6	50.9	68.2	-17.3	Peak	Horizontal
	7477.0	35.5	12.8	48.3	54.0	-5.7	Peak	Vertical
	8480.0	35.3	12.7	48.0	54.0	-6.0	Peak	Vertical
*	9593.5	33.4	14.4	47.8	68.2	-20.4	Peak	Vertical
*	10537.0	33.3	17.2	50.5	68.2	-17.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	36.1	12.8	48.9	54.0	-5.1	Peak	Horizontal
	8199.5	34.7	12.0	46.7	54.0	-7.3	Peak	Horizontal
*	8743.5	32.8	13.9	46.7	68.2	-21.5	Peak	Horizontal
*	10265.0	35.1	16.5	51.6	68.2	-16.6	Peak	Horizontal
	7502.5	34.3	12.8	47.1	54.0	-6.9	Peak	Vertical
	8471.5	34.5	12.6	47.1	54.0	-6.9	Peak	Vertical
*	9636.0	33.7	14.4	48.1	68.2	-20.1	Peak	Vertical
*	10511.5	34.2	17.2	51.4	68.2	-16.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7400.5	34.2	12.6	46.8	54.0	-7.2	Peak	Horizontal
	8267.5	35.5	11.9	47.4	54.0	-6.6	Peak	Horizontal
*	8769.0	32.3	13.9	46.2	68.2	-22.0	Peak	Horizontal
*	10188.5	33.7	16.2	49.9	68.2	-18.3	Peak	Horizontal
	7698.0	36.5	12.4	48.9	54.0	-5.1	Peak	Vertical
	8310.0	34.5	11.9	46.4	54.0	-7.6	Peak	Vertical
*	9551.0	33.2	14.4	47.6	68.2	-20.6	Peak	Vertical
*	10511.5	32.8	17.2	50.0	68.2	-18.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE160 - Ant 0 + 1 + 2 + 3	Test Channel:	50
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7494.0	35.5	12.8	48.3	54.0	-5.7	Peak	Horizontal
	8454.5	35.2	12.5	47.7	54.0	-6.3	Peak	Horizontal
*	9653.0	35.0	14.5	49.5	68.2	-18.7	Peak	Horizontal
*	10537.0	34.7	17.2	51.9	68.2	-16.3	Peak	Horizontal
	7511.0	35.5	12.8	48.3	54.0	-5.7	Peak	Vertical
	8276.0	35.2	11.9	47.1	54.0	-6.9	Peak	Vertical
*	9576.5	35.1	14.4	49.5	68.2	-18.7	Peak	Vertical
*	10477.5	33.7	17.1	50.8	68.2	-17.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT		Temperature	26°C
Test Engineer	Kevin Ker		Relative Humidity	57 %
Test Site	AC1		Test Date	2018/06/30
Test Mode:	802.11ax-HE160 - Ant 0 + 1 + 2 + 3		Test Channel:	114
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

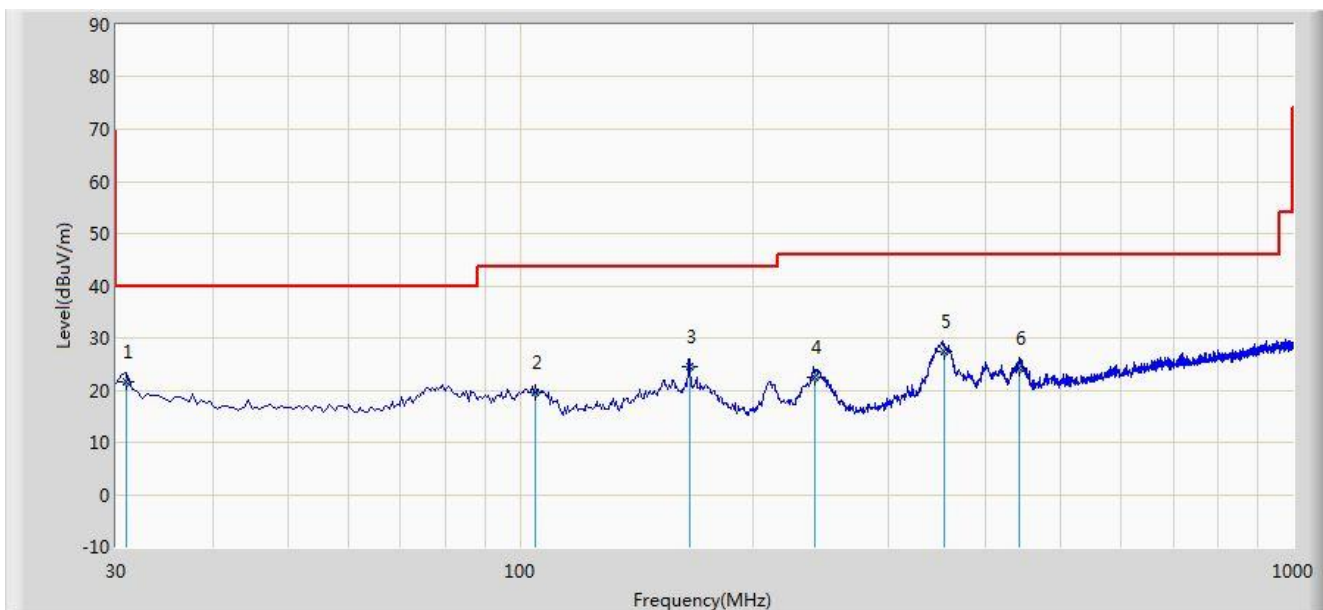| Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7409.0	35.6	12.6	48.2	54.0	-5.8	Peak	Horizontal
	8327.0	36.1	11.9	48.0	54.0	-6.0	Peak	Horizontal
*	8769.0	33.1	13.9	47.0	68.2	-21.2	Peak	Horizontal
*	10299.0	34.3	16.6	50.9	68.2	-17.3	Peak	Horizontal
	7443.0	35.6	12.7	48.3	54.0	-5.7	Peak	Vertical
	8310.0	36.2	11.9	48.1	54.0	-5.9	Peak	Vertical
*	8913.5	34.3	14.0	48.3	68.2	-19.9	Peak	Vertical
*	10554.0	34.3	17.2	51.5	68.2	-16.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Worst Case of Radiated Emission below 1GHz:

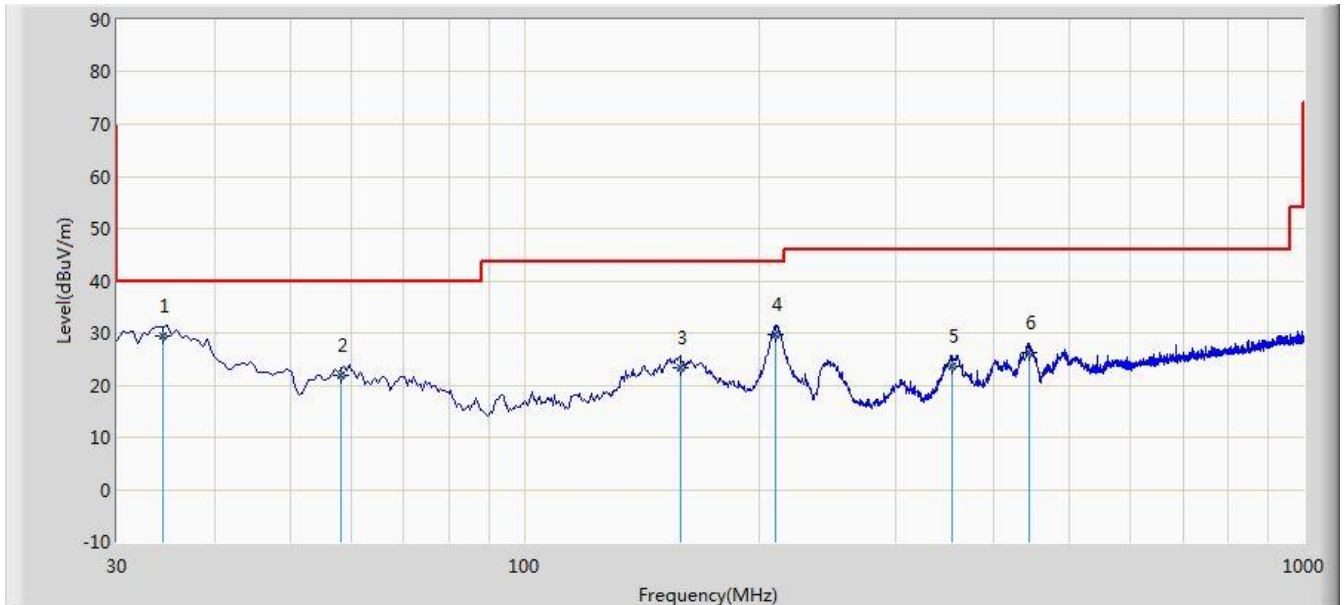| Site: AC1	Time: 2018/07/08 - 17:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: There is the worst case within frequency range 30MHz~1GHz.	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	30.970	21.643	7.880	-18.357	40.000	13.762	QP
2			104.540	19.432	7.899	-24.068	43.500	11.533	QP
3			165.574	24.473	9.684	-19.027	43.500	14.789	QP
4			240.658	22.466	9.587	-23.534	46.000	12.880	QP
5			353.456	27.485	11.859	-18.515	46.000	15.626	QP
6			441.785	24.294	6.589	-21.706	46.000	17.705	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

Site: AC1	Time: 2018/07/08 - 17:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz

Test Mode: There is the worst case within frequency range 30MHz~1GHz.

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	34.351	29.288	15.358	-10.712	40.000	13.930	QP
2			58.266	21.845	8.255	-18.155	40.000	13.590	QP
3			158.358	23.457	8.158	-20.043	43.500	15.299	QP
4			210.350	29.679	18.256	-13.821	43.500	11.422	QP
5			353.650	23.486	7.856	-22.514	46.000	15.630	QP
6			444.599	26.371	8.590	-19.629	46.000	17.781	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

For APIN0515

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8828.5	34.7	14.0	48.7	68.2	-19.5	Peak	Horizontal
*	10035.5	36.2	15.5	51.7	68.2	-16.5	Peak	Horizontal
	10877.0	35.3	18.2	53.5	54.0	-0.5	Peak	Horizontal
	11404.0	33.8	19.1	52.9	54.0	-1.1	Peak	Horizontal
*	8743.5	31.9	13.9	45.8	68.2	-22.4	Peak	Vertical
*	9738.0	35.8	14.8	50.6	68.2	-17.6	Peak	Vertical
	10817.5	35.3	18.0	53.3	54.0	-0.7	Peak	Vertical
	10817.5	22.4	18.0	40.4	54.0	-13.6	Average	Vertical
	11761.0	33.8	18.9	52.7	54.0	-1.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8667.0	34.0	13.6	47.6	68.2	-20.6	Peak	Horizontal
*	9780.5	34.2	14.9	49.1	68.2	-19.1	Peak	Horizontal
	10970.5	34.7	18.4	53.1	54.0	-0.9	Peak	Horizontal
	10970.5	23.4	18.4	41.8	54.0	-12.2	Average	Horizontal
	11837.5	34.2	18.7	52.9	54.0	-1.1	Peak	Horizontal
*	8743.5	34.2	13.9	48.1	68.2	-20.1	Peak	Vertical
*	9950.5	35.8	15.3	51.1	68.2	-17.1	Peak	Vertical
	11140.5	34.3	18.7	53.0	54.0	-1.0	Peak	Vertical
	11140.5	23.8	18.7	42.5	54.0	-11.5	Average	Vertical
	11795.0	31.2	18.8	50.0	54.0	-4.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7842.5	37.4	12.4	49.8	68.2	-18.4	Peak	Horizontal
*	9857.0	33.4	16.2	49.6	68.2	-18.6	Peak	Horizontal
	10885.5	35.6	18.3	53.9	54.0	-0.1	Peak	Horizontal
	10885.5	24.3	18.3	42.6	54.0	-11.4	Average	Horizontal
	11395.5	34.3	19.1	53.4	54.0	-0.6	Peak	Horizontal
	11395.5	23.8	19.1	42.9	54.0	-11.1	Average	Horizontal
*	7953.0	36.8	12.5	49.3	68.2	-18.9	Peak	Vertical
*	10061.0	32.7	15.6	48.3	68.2	-19.9	Peak	Vertical
	10877.0	34.1	18.2	52.3	54.0	-1.7	Peak	Vertical
	11268.0	33.9	18.8	52.7	54.0	-1.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7128.5	36.9	11.7	48.6	68.2	-19.6	Peak	Horizontal
*	9959.0	33.6	15.3	48.9	68.2	-19.3	Peak	Horizontal
	10970.5	34.3	18.4	52.7	54.0	-1.3	Peak	Horizontal
	12551.5	33.4	18.6	52.0	54.0	-2.0	Peak	Horizontal
*	8811.5	34.1	14.0	48.1	68.2	-20.1	Peak	Vertical
*	9933.5	35.2	15.3	50.5	68.2	-17.7	Peak	Vertical
	10953.5	33.9	18.4	52.3	54.0	-1.7	Peak	Vertical
	11659.0	32.6	19.3	51.9	54.0	-2.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7052.0	36.7	11.0	47.7	68.2	-20.5	Peak	Horizontal
*	10112.0	32.3	15.8	48.1	68.2	-20.1	Peak	Horizontal
	10885.5	33.8	18.3	52.1	54.0	-1.9	Peak	Horizontal
	12220.0	33.0	18.7	51.7	54.0	-2.3	Peak	Horizontal
*	7196.5	35.4	12.1	47.5	68.2	-20.7	Peak	Vertical
*	9780.5	34.3	14.9	49.2	68.2	-19.0	Peak	Vertical
	11123.5	34.0	18.6	52.6	54.0	-1.4	Peak	Vertical
	12602.5	33.7	18.7	52.4	54.0	-1.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	7196.5	35.3	12.1	47.4	68.2	-20.8	Peak	Horizontal
*	10035.5	33.6	15.5	49.1	68.2	-19.1	Peak	Horizontal
	11098.0	33.9	18.6	52.5	54.0	-1.5	Peak	Horizontal
	12356.0	33.3	18.4	51.7	54.0	-2.3	Peak	Horizontal
*	8658.5	32.4	13.6	46.0	68.2	-22.2	Peak	Vertical
*	9840.0	35.1	16.0	51.1	68.2	-17.1	Peak	Vertical
	10783.5	34.9	17.8	52.7	54.0	-1.3	Peak	Vertical
	11948.0	33.0	18.6	51.6	54.0	-2.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7196.5	36.4	12.1	48.5	68.2	-19.7	Peak	Horizontal
*	9772.0	33.7	14.9	48.6	68.2	-19.6	Peak	Horizontal
	10885.5	33.8	18.3	52.1	54.0	-1.9	Peak	Horizontal
	11786.5	30.5	18.8	49.3	54.0	-4.7	Peak	Horizontal
*	7196.5	35.6	12.1	47.7	68.2	-20.5	Peak	Vertical
*	8811.5	32.4	14.0	46.4	68.2	-21.8	Peak	Vertical
	10919.5	33.9	18.4	52.3	54.0	-1.7	Peak	Vertical
	11429.5	32.7	19.2	51.9	54.0	-2.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20- Ant 0 + 1 + 2 + 3	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8692.5	33.0	13.7	46.7	68.2	-21.5	Peak	Horizontal
*	9840.0	33.8	16.0	49.8	68.2	-18.4	Peak	Horizontal
	10953.5	33.7	18.4	52.1	54.0	-1.9	Peak	Horizontal
	12016.0	32.5	18.7	51.2	54.0	-2.8	Peak	Horizontal
*	8803.0	34.4	14.0	48.4	68.2	-19.8	Peak	Vertical
*	9814.5	34.0	15.4	49.4	68.2	-18.8	Peak	Vertical
	10970.5	31.8	18.4	50.2	54.0	-3.8	Peak	Vertical
	11956.5	31.3	18.6	49.9	54.0	-4.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8692.5	32.5	13.7	46.2	68.2	-22.0	Peak	Horizontal
*	9857.0	33.1	16.2	49.3	68.2	-18.9	Peak	Horizontal
	11123.5	31.6	18.6	50.2	54.0	-3.8	Peak	Horizontal
	12220.0	30.5	18.7	49.2	54.0	-4.8	Peak	Horizontal
*	8820.0	34.3	14.0	48.3	68.2	-19.9	Peak	Vertical
*	10222.5	33.9	16.3	50.2	68.2	-18.0	Peak	Vertical
	11089.5	31.7	18.6	50.3	54.0	-3.7	Peak	Vertical
	11897.0	32.3	18.6	50.9	54.0	-3.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8718.0	33.0	13.8	46.8	68.2	-21.4	Peak	Horizontal
*	9653.0	34.1	14.5	48.6	68.2	-19.6	Peak	Horizontal
	11047.0	30.5	18.5	49.0	54.0	-5.0	Peak	Horizontal
	12330.5	30.6	18.5	49.1	54.0	-4.9	Peak	Horizontal
*	8735.0	32.8	13.9	46.7	68.2	-21.5	Peak	Vertical
*	10120.5	32.9	15.8	48.7	68.2	-19.5	Peak	Vertical
	10826.0	32.3	18.0	50.3	54.0	-3.7	Peak	Vertical
	12033.0	30.1	18.8	48.9	54.0	-5.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8743.5	33.2	13.9	47.1	68.2	-21.1	Peak	Horizontal
*	9721.0	34.8	14.7	49.5	68.2	-18.7	Peak	Horizontal
	10902.5	33.4	18.3	51.7	54.0	-2.3	Peak	Horizontal
	12169.0	30.5	18.8	49.3	54.0	-4.7	Peak	Horizontal
*	8854.0	34.4	14.0	48.4	68.2	-19.8	Peak	Vertical
*	10324.5	31.5	16.7	48.2	68.2	-20.0	Peak	Vertical
	11004.5	31.2	18.5	49.7	54.0	-4.3	Peak	Vertical
	11752.5	30.6	18.9	49.5	54.0	-4.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT		Temperature	26°C	
Test Engineer	Kevin Ker		Relative Humidity	57 %	
Test Site	AC1		Test Date	2018/06/30	
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3		Test Channel:	120	
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.				

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8811.5	32.5	14.0	46.5	68.2	-21.7	Peak	Horizontal
*	10146.0	32.6	16.0	48.6	68.2	-19.6	Peak	Horizontal
	11259.5	30.2	18.8	49.0	54.0	-5.0	Peak	Horizontal
	12058.5	31.0	18.8	49.8	54.0	-4.2	Peak	Horizontal
*	8862.5	32.8	14.0	46.8	68.2	-21.4	Peak	Vertical
*	9942.0	34.7	15.3	50.0	68.2	-18.2	Peak	Vertical
	10928.0	32.8	18.4	51.2	54.0	-2.8	Peak	Vertical
	12067.0	30.0	18.8	48.8	54.0	-5.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT		Temperature	26°C
Test Engineer	Kevin Ker		Relative Humidity	57 %
Test Site	AC1		Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3		Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8692.5	33.5	13.7	47.2	68.2	-21.0	Peak	Horizontal
*	9695.5	33.3	14.6	47.9	68.2	-20.3	Peak	Horizontal
	10843.0	32.9	18.1	51.0	54.0	-3.0	Peak	Horizontal
	11931.0	30.7	18.6	49.3	54.0	-4.7	Peak	Horizontal
*	8811.5	32.9	14.0	46.9	68.2	-21.3	Peak	Vertical
*	9874.0	33.1	15.8	48.9	68.2	-19.3	Peak	Vertical
	10732.5	32.4	17.6	50.0	54.0	-4.0	Peak	Vertical
	11582.5	31.3	19.5	50.8	54.0	-3.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8760.5	33.8	13.9	47.7	68.2	-20.5	Peak	Horizontal
*	9729.5	34.0	14.7	48.7	68.2	-19.5	Peak	Horizontal
	10919.5	32.7	18.4	51.1	54.0	-2.9	Peak	Horizontal
	12007.5	32.3	18.7	51.0	54.0	-3.0	Peak	Horizontal
*	8811.5	33.4	14.0	47.4	68.2	-20.8	Peak	Vertical
*	9806.0	33.9	15.2	49.1	68.2	-19.1	Peak	Vertical
	10792.0	32.4	17.9	50.3	54.0	-3.7	Peak	Vertical
	11931.0	31.5	18.6	50.1	54.0	-3.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8769.0	34.2	13.9	48.1	68.2	-20.1	Peak	Horizontal
*	9780.5	33.9	14.9	48.8	68.2	-19.4	Peak	Horizontal
	10826.0	32.3	18.0	50.3	54.0	-3.7	Peak	Horizontal
	12058.5	30.6	18.8	49.4	54.0	-4.6	Peak	Horizontal
*	8658.5	33.3	13.6	46.9	68.2	-21.3	Peak	Vertical
*	9721.0	33.7	14.7	48.4	68.2	-19.8	Peak	Vertical
	10928.0	32.6	18.4	51.0	54.0	-3.0	Peak	Vertical
	12118.0	31.0	18.9	49.9	54.0	-4.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT		Temperature	26°C
Test Engineer	Kevin Ker		Relative Humidity	57 %
Test Site	AC1		Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3		Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8777.5	33.2	13.9	47.1	68.2	-21.1	Peak	Horizontal
*	10146.0	35.0	16.0	51.0	68.2	-17.2	Peak	Horizontal
	10953.5	31.4	18.4	49.8	54.0	-4.2	Peak	Horizontal
	11846.0	31.0	18.7	49.7	54.0	-4.3	Peak	Horizontal
*	8820.0	33.3	14.0	47.3	68.2	-20.9	Peak	Vertical
*	10069.5	34.6	15.6	50.2	68.2	-18.0	Peak	Vertical
	10851.5	34.4	18.1	52.5	54.0	-1.5	Peak	Vertical
	11633.5	31.0	19.4	50.4	54.0	-3.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8879.5	34.0	14.0	48.0	68.2	-20.2	Peak	Horizontal
*	10146.0	33.8	16.0	49.8	68.2	-18.4	Peak	Horizontal
	10970.5	32.4	18.4	50.8	54.0	-3.2	Peak	Horizontal
	11837.5	31.3	18.7	50.0	54.0	-4.0	Peak	Horizontal
*	8777.5	32.0	13.9	45.9	68.2	-22.3	Peak	Vertical
*	9814.5	33.1	15.4	48.5	68.2	-19.7	Peak	Vertical
	11021.5	32.0	18.5	50.5	54.0	-3.5	Peak	Vertical
	12058.5	31.0	18.8	49.8	54.0	-4.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C	
Test Engineer	Kevin Ker	Relative Humidity	57 %	
Test Site	AC1	Test Date	2018/06/30	
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	118	
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8777.5	34.0	13.9	47.9	68.2	-20.3	Peak	Horizontal
*	9950.5	32.9	15.3	48.2	68.2	-20.0	Peak	Horizontal
	10826.0	33.0	18.0	51.0	54.0	-3.0	Peak	Horizontal
	11735.5	31.0	19.0	50.0	54.0	-4.0	Peak	Horizontal
*	8811.5	32.3	14.0	46.3	68.2	-21.9	Peak	Vertical
*	9899.5	33.4	15.4	48.8	68.2	-19.4	Peak	Vertical
	11081.0	32.0	18.6	50.6	54.0	-3.4	Peak	Vertical
	12330.5	31.4	18.5	49.9	54.0	-4.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8837.0	33.2	14.0	47.2	68.2	-21.0	Peak	Horizontal
*	10035.5	32.9	15.5	48.4	68.2	-19.8	Peak	Horizontal
	10809.0	33.3	17.9	51.2	54.0	-2.8	Peak	Horizontal
	11523.0	31.0	19.4	50.4	54.0	-3.6	Peak	Horizontal
*	8718.0	33.5	13.8	47.3	68.2	-20.9	Peak	Vertical
*	9916.5	32.9	15.3	48.2	68.2	-20.0	Peak	Vertical
	10928.0	32.8	18.4	51.2	54.0	-2.8	Peak	Vertical
	11914.0	30.8	18.6	49.4	54.0	-4.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8760.5	33.1	13.9	47.0	68.2	-21.2	Peak	Horizontal
*	10001.5	33.7	15.4	49.1	68.2	-19.1	Peak	Horizontal
	10877.0	33.2	18.2	51.4	54.0	-2.6	Peak	Horizontal
	11608.0	31.0	19.4	50.4	54.0	-3.6	Peak	Horizontal
*	8684.0	34.1	13.7	47.8	68.2	-20.4	Peak	Vertical
*	9942.0	34.9	15.3	50.2	68.2	-18.0	Peak	Vertical
	10826.0	34.2	18.0	52.2	54.0	-1.8	Peak	Vertical
	11888.5	32.9	18.6	51.5	54.0	-2.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8735.0	32.6	13.9	46.5	68.2	-21.7	Peak	Horizontal
*	9814.5	32.6	15.4	48.0	68.2	-20.2	Peak	Horizontal
	11191.5	33.1	18.7	51.8	54.0	-2.2	Peak	Horizontal
	12058.5	30.5	18.8	49.3	54.0	-4.7	Peak	Horizontal
*	8743.5	32.7	13.9	46.6	68.2	-21.6	Peak	Vertical
*	10035.5	34.7	15.5	50.2	68.2	-18.0	Peak	Vertical
	11038.5	31.7	18.5	50.2	54.0	-3.8	Peak	Vertical
	12279.5	31.0	18.6	49.6	54.0	-4.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8760.5	32.3	13.9	46.2	68.2	-22.0	Peak	Horizontal
*	9831.5	32.7	15.9	48.6	68.2	-19.6	Peak	Horizontal
	10902.5	31.7	18.3	50.0	54.0	-4.0	Peak	Horizontal
	11948.0	31.2	18.6	49.8	54.0	-4.2	Peak	Horizontal
*	8760.5	34.7	13.9	48.6	68.2	-19.6	Peak	Vertical
*	10239.5	34.4	16.4	50.8	68.2	-17.4	Peak	Vertical
	11123.5	31.6	18.6	50.2	54.0	-3.8	Peak	Vertical
	12169.0	31.4	18.8	50.2	54.0	-3.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8854.0	33.7	14.0	47.7	68.2	-20.5	Peak	Horizontal
*	9797.5	34.1	15.1	49.2	68.2	-19.0	Peak	Horizontal
	10970.5	31.7	18.4	50.1	54.0	-3.9	Peak	Horizontal
	11863.0	32.0	18.7	50.7	54.0	-3.3	Peak	Horizontal
*	8871.0	32.9	14.0	46.9	68.2	-21.3	Peak	Vertical
*	9976.0	35.8	15.3	51.1	68.2	-17.1	Peak	Vertical
	10987.5	33.4	18.5	51.9	54.0	-2.1	Peak	Vertical
	12551.5	33.4	18.6	52.0	54.0	-2.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2 + 3	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8769.0	32.6	13.9	46.5	68.2	-21.7	Peak	Horizontal
*	9976.0	33.4	15.3	48.7	68.2	-19.5	Peak	Horizontal
	10860.0	34.0	18.2	52.2	54.0	-1.8	Peak	Horizontal
	12288.0	33.4	18.6	52.0	54.0	-2.0	Peak	Horizontal
*	8709.5	33.6	13.8	47.4	68.2	-20.8	Peak	Vertical
*	9687.0	34.1	14.6	48.7	68.2	-19.5	Peak	Vertical
	10826.0	33.7	18.0	51.7	54.0	-2.3	Peak	Vertical
	11608.0	32.0	19.4	51.4	54.0	-2.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT160 - Ant 0 + 1 + 2 + 3	Test Channel:	50
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8888.0	33.9	14.0	47.9	68.2	-20.3	Peak	Horizontal
*	9993.0	34.0	15.4	49.4	68.2	-18.8	Peak	Horizontal
	10996.0	31.3	18.5	49.8	54.0	-4.2	Peak	Horizontal
	11990.5	30.7	18.7	49.4	54.0	-4.6	Peak	Horizontal
*	8718.0	32.2	13.8	46.0	68.2	-22.2	Peak	Vertical
*	9814.5	33.5	15.4	48.9	68.2	-19.3	Peak	Vertical
	11013.0	31.3	18.5	49.8	54.0	-4.2	Peak	Vertical
	11786.5	31.6	18.8	50.4	54.0	-3.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ac-VHT160 - Ant 0 + 1 + 2 + 3	Test Channel:	114
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8888.0	32.7	14.0	46.7	68.2	-21.5	Peak	Horizontal
*	10103.5	33.3	15.7	49.0	68.2	-19.2	Peak	Horizontal
	11021.5	31.7	18.5	50.2	54.0	-3.8	Peak	Horizontal
	11820.5	30.6	18.7	49.3	54.0	-4.7	Peak	Horizontal
*	8658.5	33.4	13.6	47.0	68.2	-21.2	Peak	Vertical
*	9814.5	32.6	15.4	48.0	68.2	-20.2	Peak	Vertical
	11013.0	31.0	18.5	49.5	54.0	-4.5	Peak	Vertical
	12398.5	29.9	18.4	48.3	54.0	-5.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT		Temperature	26°C
Test Engineer	Kevin Ker		Relative Humidity	57 %
Test Site	AC1		Test Date	2018/06/30
Test Mode:	802.11ax-HE20- Ant 0 + 1 + 2 + 3		Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8820.0	34.6	14.0	48.6	68.2	-19.6	Peak	Horizontal
*	9857.0	33.4	16.2	49.6	68.2	-18.6	Peak	Horizontal
	10928.0	32.3	18.4	50.7	54.0	-3.3	Peak	Horizontal
	11752.5	31.0	18.9	49.9	54.0	-4.1	Peak	Horizontal
*	8692.5	33.0	13.7	46.7	68.2	-21.5	Peak	Vertical
*	9780.5	32.8	14.9	47.7	68.2	-20.5	Peak	Vertical
	11208.5	31.3	18.8	50.1	54.0	-3.9	Peak	Vertical
	12109.5	30.4	18.9	49.3	54.0	-4.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8735.0	33.1	13.9	47.0	68.2	-21.2	Peak	Horizontal
*	9738.0	34.7	14.8	49.5	68.2	-18.7	Peak	Horizontal
	11038.5	30.7	18.5	49.2	54.0	-4.8	Peak	Horizontal
	12135.0	30.2	18.9	49.1	54.0	-4.9	Peak	Horizontal
*	8786.0	33.0	13.9	46.9	68.2	-21.3	Peak	Vertical
*	9831.5	33.0	15.9	48.9	68.2	-19.3	Peak	Vertical
	11251.0	31.9	18.8	50.7	54.0	-3.3	Peak	Vertical
	12118.0	32.8	18.9	51.7	54.0	-2.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8692.5	32.4	13.7	46.1	68.2	-22.1	Peak	Horizontal
*	9814.5	32.9	15.4	48.3	68.2	-19.9	Peak	Horizontal
	10970.5	33.9	18.4	52.3	54.0	-1.7	Peak	Horizontal
	12126.5	32.3	18.9	51.2	54.0	-2.8	Peak	Horizontal
*	8811.5	34.7	14.0	48.7	68.2	-19.5	Peak	Vertical
*	9823.0	33.6	15.6	49.2	68.2	-19.0	Peak	Vertical
	11089.5	33.5	18.6	52.1	54.0	-1.9	Peak	Vertical
	11846.0	31.8	18.7	50.5	54.0	-3.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8769.0	33.5	13.9	47.4	68.2	-20.8	Peak	Horizontal
*	10188.5	35.9	16.2	52.1	68.2	-16.1	Peak	Horizontal
	10860.0	33.5	18.2	51.7	54.0	-2.3	Peak	Horizontal
	12016.0	32.7	18.7	51.4	54.0	-2.6	Peak	Horizontal
*	8828.5	33.8	14.0	47.8	68.2	-20.4	Peak	Vertical
*	9967.5	34.8	15.3	50.1	68.2	-18.1	Peak	Vertical
	10979.0	32.6	18.5	51.1	54.0	-2.9	Peak	Vertical
	12016.0	32.1	18.7	50.8	54.0	-3.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8862.5	35.2	14.0	49.2	68.2	-19.0	Peak	Horizontal
*	9891.0	34.8	15.5	50.3	68.2	-17.9	Peak	Horizontal
	10996.0	31.9	18.5	50.4	54.0	-3.6	Peak	Horizontal
	11829.0	32.0	18.7	50.7	54.0	-3.3	Peak	Horizontal
*	8692.5	33.5	13.7	47.2	68.2	-21.0	Peak	Vertical
*	10052.5	34.6	15.5	50.1	68.2	-18.1	Peak	Vertical
	10843.0	33.0	18.1	51.1	54.0	-2.9	Peak	Vertical
	12152.0	30.5	18.9	49.4	54.0	-4.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8854.0	32.9	14.0	46.9	68.2	-21.3	Peak	Horizontal
*	9780.5	33.5	14.9	48.4	68.2	-19.8	Peak	Horizontal
	11234.0	30.6	18.8	49.4	54.0	-4.6	Peak	Horizontal
	12220.0	30.7	18.7	49.4	54.0	-4.6	Peak	Horizontal
*	8650.0	34.1	13.6	47.7	68.2	-20.5	Peak	Vertical
*	10035.5	34.2	15.5	49.7	68.2	-18.5	Peak	Vertical
	10817.5	33.0	18.0	51.0	54.0	-3.0	Peak	Vertical
	11735.5	31.5	19.0	50.5	54.0	-3.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE20 - Ant 0 + 1 + 2 + 3	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8811.5	33.5	14.0	47.5	68.2	-20.7	Peak	Horizontal
*	9772.0	33.4	14.9	48.3	68.2	-19.9	Peak	Horizontal
	11030.0	32.4	18.5	50.9	54.0	-3.1	Peak	Horizontal
	12007.5	32.3	18.7	51.0	54.0	-3.0	Peak	Horizontal
*	8777.5	32.8	13.9	46.7	68.2	-21.5	Peak	Vertical
*	9959.0	33.4	15.3	48.7	68.2	-19.5	Peak	Vertical
	11191.5	32.7	18.7	51.4	54.0	-2.6	Peak	Vertical
	12381.5	31.2	18.4	49.6	54.0	-4.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8854.0	32.8	14.0	46.8	68.2	-21.4	Peak	Horizontal
*	9636.0	34.7	14.4	49.1	68.2	-19.1	Peak	Horizontal
	11191.5	31.1	18.7	49.8	54.0	-4.2	Peak	Horizontal
	12067.0	32.1	18.8	50.9	54.0	-3.1	Peak	Horizontal
*	8718.0	33.1	13.8	46.9	68.2	-21.3	Peak	Vertical
*	10018.5	32.6	15.4	48.0	68.2	-20.2	Peak	Vertical
	10987.5	31.8	18.5	50.3	54.0	-3.7	Peak	Vertical
	12067.0	30.0	18.8	48.8	54.0	-5.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8862.5	33.6	14.0	47.6	68.2	-20.6	Peak	Horizontal
*	9780.5	33.4	14.9	48.3	68.2	-19.9	Peak	Horizontal
	11251.0	30.4	18.8	49.2	54.0	-4.8	Peak	Horizontal
	12075.5	30.5	18.9	49.4	54.0	-4.6	Peak	Horizontal
*	8735.0	32.5	13.9	46.4	68.2	-21.8	Peak	Vertical
*	9789.0	32.6	15.0	47.6	68.2	-20.6	Peak	Vertical
	10928.0	31.3	18.4	49.7	54.0	-4.3	Peak	Vertical
	12101.0	30.2	18.9	49.1	54.0	-4.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8718.0	32.7	13.8	46.5	68.2	-21.7	Peak	Horizontal
*	9925.0	34.9	15.3	50.2	68.2	-18.0	Peak	Horizontal
	11276.5	31.3	18.8	50.1	54.0	-3.9	Peak	Horizontal
	12177.5	34.2	18.8	53.0	54.0	-1.0	Peak	Horizontal
*	8769.0	34.1	13.9	48.0	68.2	-20.2	Peak	Vertical
*	9942.0	33.2	15.3	48.5	68.2	-19.7	Peak	Vertical
	10817.5	32.0	18.0	50.0	54.0	-4.0	Peak	Vertical
	11701.5	30.9	19.1	50.0	54.0	-4.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8735.0	34.5	13.9	48.4	68.2	-19.8	Peak	Horizontal
*	9857.0	33.6	16.2	49.8	68.2	-18.4	Peak	Horizontal
	10996.0	31.6	18.5	50.1	54.0	-3.9	Peak	Horizontal
	11905.5	31.5	18.6	50.1	54.0	-3.9	Peak	Horizontal
*	8828.5	33.7	14.0	47.7	68.2	-20.5	Peak	Vertical
*	10078.0	33.3	15.6	48.9	68.2	-19.3	Peak	Vertical
	10928.0	32.2	18.4	50.6	54.0	-3.4	Peak	Vertical
	11999.0	31.5	18.7	50.2	54.0	-3.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8803.0	34.4	14.0	48.4	68.2	-19.8	Peak	Horizontal
*	9993.0	33.2	15.4	48.6	68.2	-19.6	Peak	Horizontal
	11021.5	31.7	18.5	50.2	54.0	-3.8	Peak	Horizontal
	11931.0	31.8	18.6	50.4	54.0	-3.6	Peak	Horizontal
*	8922.0	33.6	14.0	47.6	68.2	-20.6	Peak	Vertical
*	9840.0	32.9	16.0	48.9	68.2	-19.3	Peak	Vertical
	11327.5	31.7	18.9	50.6	54.0	-3.4	Peak	Vertical
	12118.0	31.1	18.9	50.0	54.0	-4.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT		Temperature	26°C	
Test Engineer	Kevin Ker		Relative Humidity	57 %	
Test Site	AC1		Test Date	2018/06/30	
Test Mode:	802.11ax-HE40 - Ant 0 + 1 + 2 + 3		Test Channel:	142	
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.				

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8701.0	33.5	13.8	47.3	68.2	-20.9	Peak	Horizontal
*	9942.0	34.1	15.3	49.4	68.2	-18.8	Peak	Horizontal
	10953.5	31.5	18.4	49.9	54.0	-4.1	Peak	Horizontal
	12135.0	31.9	18.9	50.8	54.0	-3.2	Peak	Horizontal
*	8811.5	34.0	14.0	48.0	68.2	-20.2	Peak	Vertical
*	9755.0	35.8	14.8	50.6	68.2	-17.6	Peak	Vertical
	11132.0	33.2	18.6	51.8	54.0	-2.2	Peak	Vertical
	11846.0	31.6	18.7	50.3	54.0	-3.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8811.5	32.3	14.0	46.3	68.2	-21.9	Peak	Horizontal
*	10086.5	33.0	15.7	48.7	68.2	-19.5	Peak	Horizontal
	11021.5	31.8	18.5	50.3	54.0	-3.7	Peak	Horizontal
	11684.5	30.8	19.2	50.0	54.0	-4.0	Peak	Horizontal
*	8854.0	32.7	14.0	46.7	68.2	-21.5	Peak	Vertical
*	9882.5	33.1	15.6	48.7	68.2	-19.5	Peak	Vertical
	10979.0	31.0	18.5	49.5	54.0	-4.5	Peak	Vertical
	11948.0	32.3	18.6	50.9	54.0	-3.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8794.5	34.2	13.9	48.1	68.2	-20.1	Peak	Horizontal
*	9704.0	34.9	14.6	49.5	68.2	-18.7	Peak	Horizontal
	11072.5	31.3	18.6	49.9	54.0	-4.1	Peak	Horizontal
	12075.5	30.6	18.9	49.5	54.0	-4.5	Peak	Horizontal
*	8735.0	32.1	13.9	46.0	68.2	-22.2	Peak	Vertical
*	9755.0	34.1	14.8	48.9	68.2	-19.3	Peak	Vertical
	11259.5	30.4	18.8	49.2	54.0	-4.8	Peak	Vertical
	11914.0	31.5	18.6	50.1	54.0	-3.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8769.0	32.7	13.9	46.6	68.2	-21.6	Peak	Horizontal
*	10035.5	32.5	15.5	48.0	68.2	-20.2	Peak	Horizontal
	10928.0	32.3	18.4	50.7	54.0	-3.3	Peak	Horizontal
	11795.0	31.0	18.8	49.8	54.0	-4.2	Peak	Horizontal
*	8837.0	33.8	14.0	47.8	68.2	-20.4	Peak	Vertical
*	9942.0	35.4	15.3	50.7	68.2	-17.5	Peak	Vertical
	10826.0	33.2	18.0	51.2	54.0	-2.8	Peak	Vertical
	11922.5	32.8	18.6	51.4	54.0	-2.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE80 - Ant 0 + 1 + 2 + 3	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8769.0	32.8	13.9	46.7	68.2	-21.5	Peak	Horizontal
*	9721.0	35.4	14.7	50.1	68.2	-18.1	Peak	Horizontal
	10928.0	33.2	18.4	51.6	54.0	-2.4	Peak	Horizontal
	11965.0	31.9	18.6	50.5	54.0	-3.5	Peak	Horizontal
*	8752.0	33.1	13.9	47.0	68.2	-21.2	Peak	Vertical
*	9857.0	32.7	16.2	48.9	68.2	-19.3	Peak	Vertical
	11021.5	31.6	18.5	50.1	54.0	-3.9	Peak	Vertical
	12058.5	32.2	18.8	51.0	54.0	-3.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE160 - Ant 0 + 1 + 2 + 3	Test Channel:	50
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8692.5	33.3	13.7	47.0	68.2	-21.2	Peak	Horizontal
*	9687.0	33.1	14.6	47.7	68.2	-20.5	Peak	Horizontal
	10928.0	32.1	18.4	50.5	54.0	-3.5	Peak	Horizontal
	11914.0	31.7	18.6	50.3	54.0	-3.7	Peak	Horizontal
*	8675.5	34.0	13.7	47.7	68.2	-20.5	Peak	Vertical
*	9814.5	35.1	15.4	50.5	68.2	-17.7	Peak	Vertical
	10902.5	32.6	18.3	50.9	54.0	-3.1	Peak	Vertical
	11863.0	31.5	18.7	50.2	54.0	-3.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	ACCESS POINT	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/06/30
Test Mode:	802.11ax-HE160 - Ant 0 + 1 + 2 + 3	Test Channel:	114
Remark:	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
*	8777.5	33.3	13.9	47.2	68.2	-21.0	Peak	Horizontal
*	9653.0	32.8	14.5	47.3	68.2	-20.9	Peak	Horizontal
	10826.0	32.4	18.0	50.4	54.0	-3.6	Peak	Horizontal
	11803.5	32.3	18.7	51.0	54.0	-3.0	Peak	Horizontal
*	8854.0	34.1	14.0	48.1	68.2	-20.1	Peak	Vertical
*	10171.5	33.6	16.1	49.7	68.2	-18.5	Peak	Vertical
	10936.5	32.6	18.4	51.0	54.0	-3.0	Peak	Vertical
	12237.0	32.6	18.7	51.3	54.0	-2.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2018/07/08 - 16:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: There is the worst case within frequency range 30MHz~1GHz.	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			30.970	28.017	14.254	-11.983	40.000	13.762	QP
2		*	78.500	29.323	18.987	-10.677	40.000	10.336	QP
3			158.520	31.987	16.687	-11.513	43.500	15.300	QP
4			250.190	20.614	7.587	-25.386	46.000	13.028	QP
5			367.075	25.792	9.866	-20.208	46.000	15.926	QP
6			551.375	32.164	12.583	-13.836	46.000	19.581	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

Site: AC1	Time: 2018/07/08 - 17:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz

Test Mode: There is the worst case within frequency range 30MHz~1GHz.
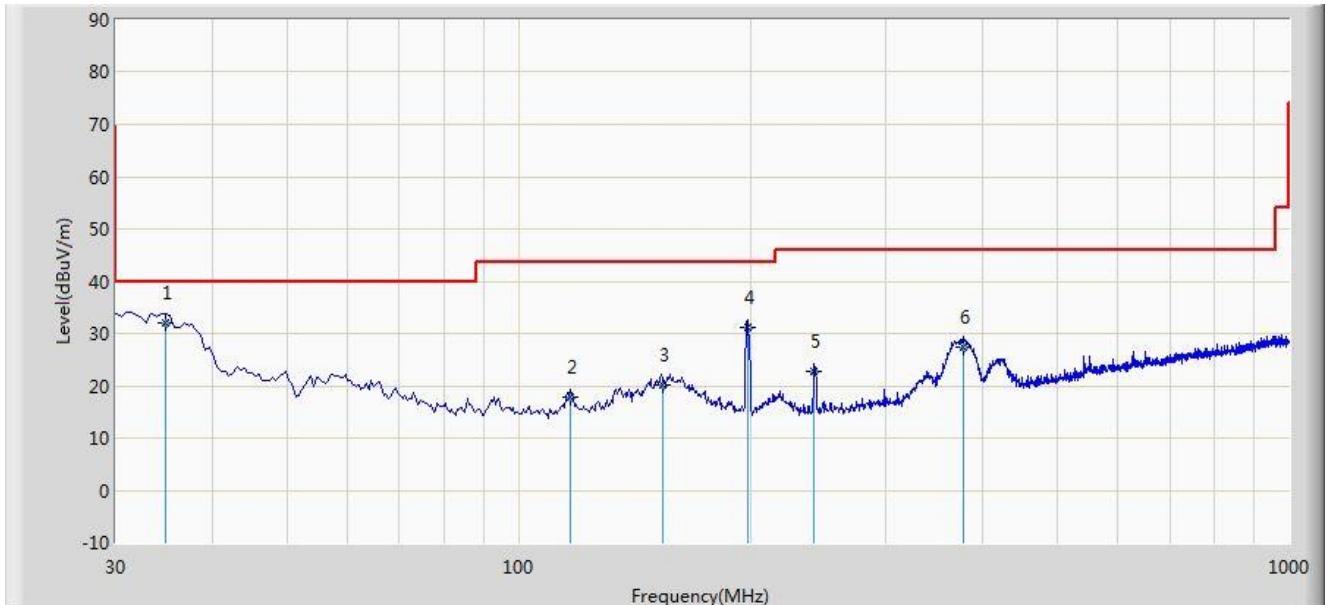
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	34.850	31.960	17.989	-8.040	40.000	13.972	QP
2			116.854	17.738	4.856	-25.762	43.500	12.883	QP
3			153.875	20.184	4.890	-23.316	43.500	15.295	QP
4			198.587	31.128	19.857	-12.372	43.500	11.270	QP
5			241.644	22.742	9.847	-23.258	46.000	12.895	QP
6			378.540	27.322	11.154	-18.678	46.000	16.168	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

7.8. Radiated Restricted Band Edge Measurement

7.8.1. Test Limit

For 15.205 Requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1] 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.25 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])
13.36 - 13.41	--	--	--

For 15.407(b) Requirement:

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

Refer to KDB 789033 D02v02r01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title

47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.8.2.Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

7.8.3.Test Setting

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = peak

5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW   If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW ≤ RBW/100 (i.e., 10

kHz) but not less than 10 Hz.   If the EUT duty cycle is < 98%, set VBW ≥ 1/T.

4. Detector = Peak

5. Sweep time = auto

6. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98%

duty cycle.   For lower duty cycles, increase the minimum number of traces by a factor of 1/x, where

x is the duty cycle.

7.8.4.Test Setup
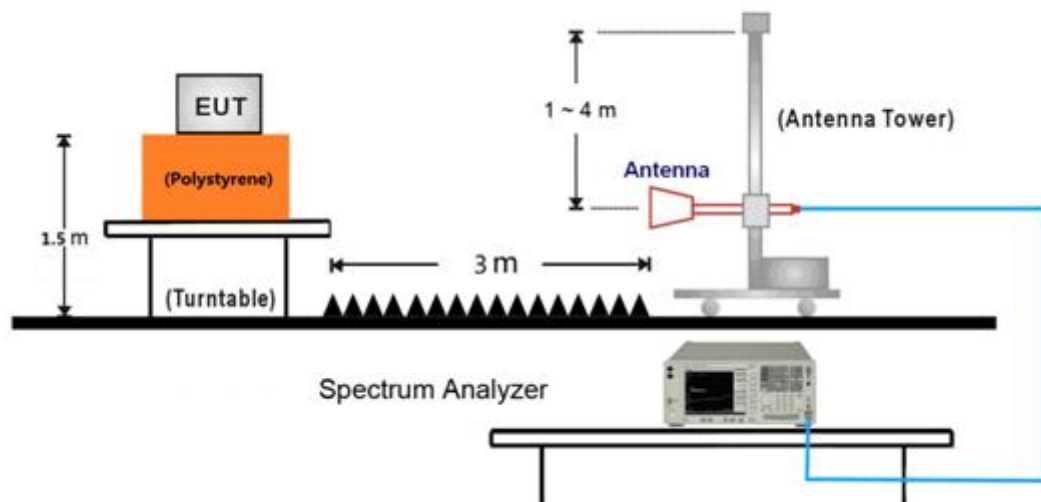
7.8.5.Test Result

For APIN0514 - Omni Antenna (AP-ANT-20W)

|	
Site: AC1	Time: 2018/06/24 - 11:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz	
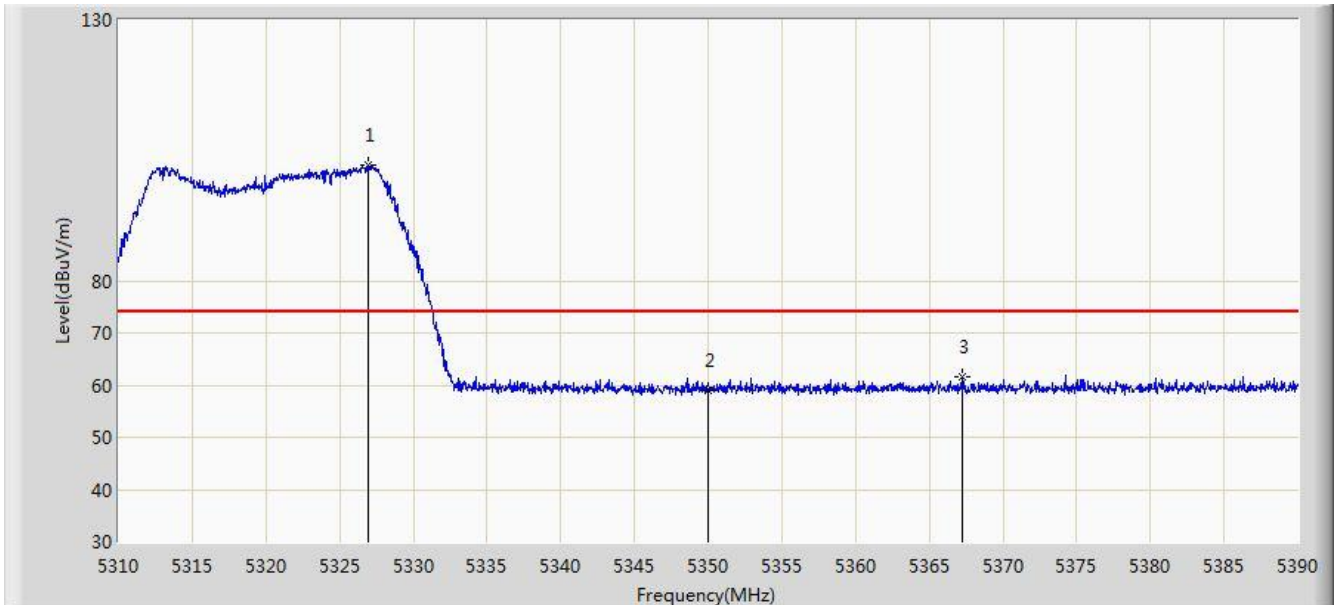
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5326.920	102.136	98.274	N/A	N/A	3.861	PK
2			5350.000	59.063	55.158	-14.937	74.000	3.904	PK
3			5367.200	61.650	57.714	-12.350	74.000	3.936	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2018/06/24 - 11:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz	
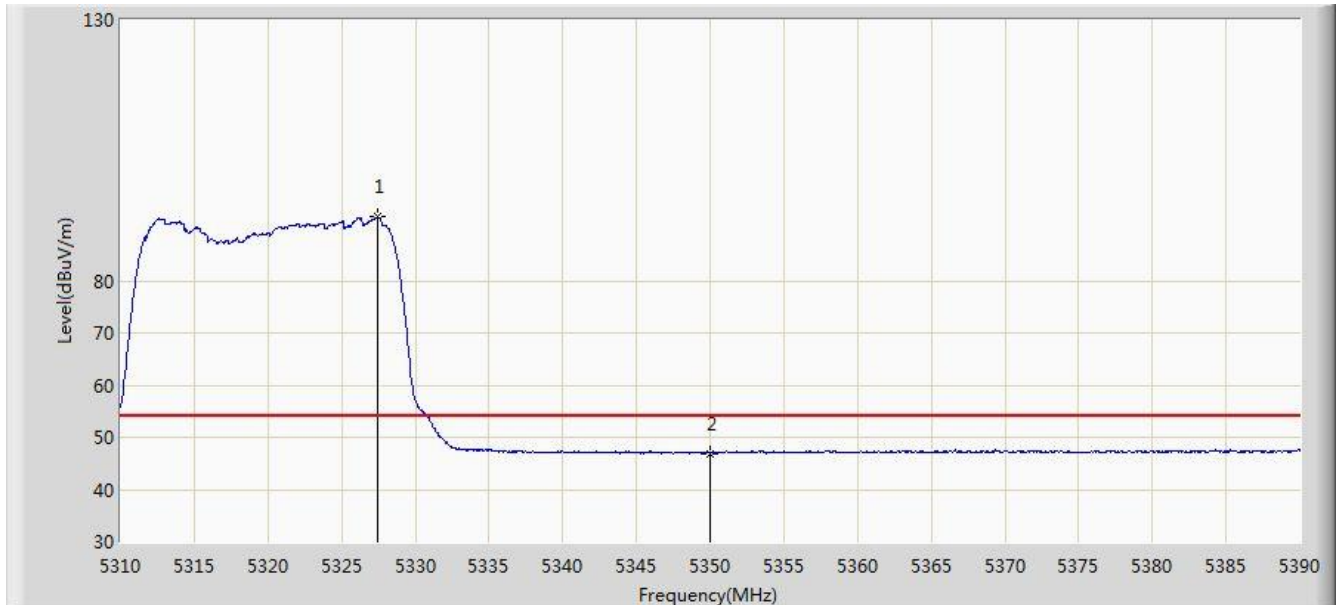
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5327.440	92.314	88.451	N/A	N/A	3.862	AV
2			5350.000	46.929	43.024	-7.071	54.000	3.904	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2018/06/24 - 11:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz	
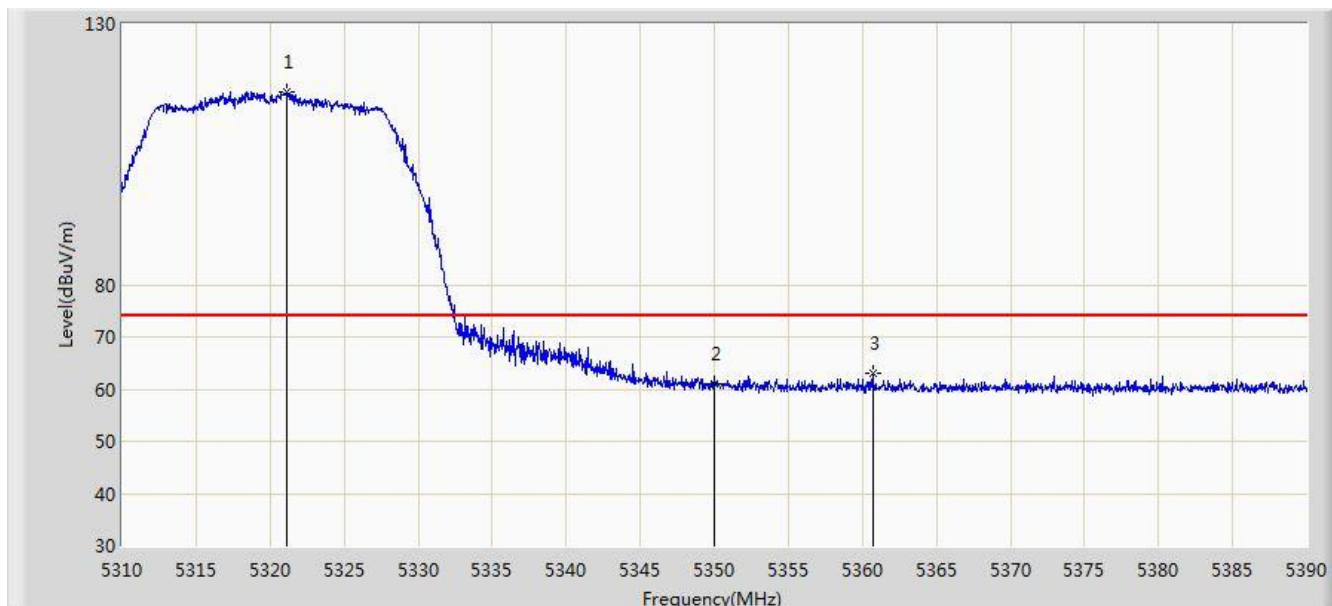
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.080	116.928	113.077	N/A	N/A	3.851	PK
2			5350.000	60.919	57.014	-13.081	74.000	3.904	PK
3			5360.680	63.132	59.208	-10.868	74.000	3.923	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/06/24 - 11:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz	
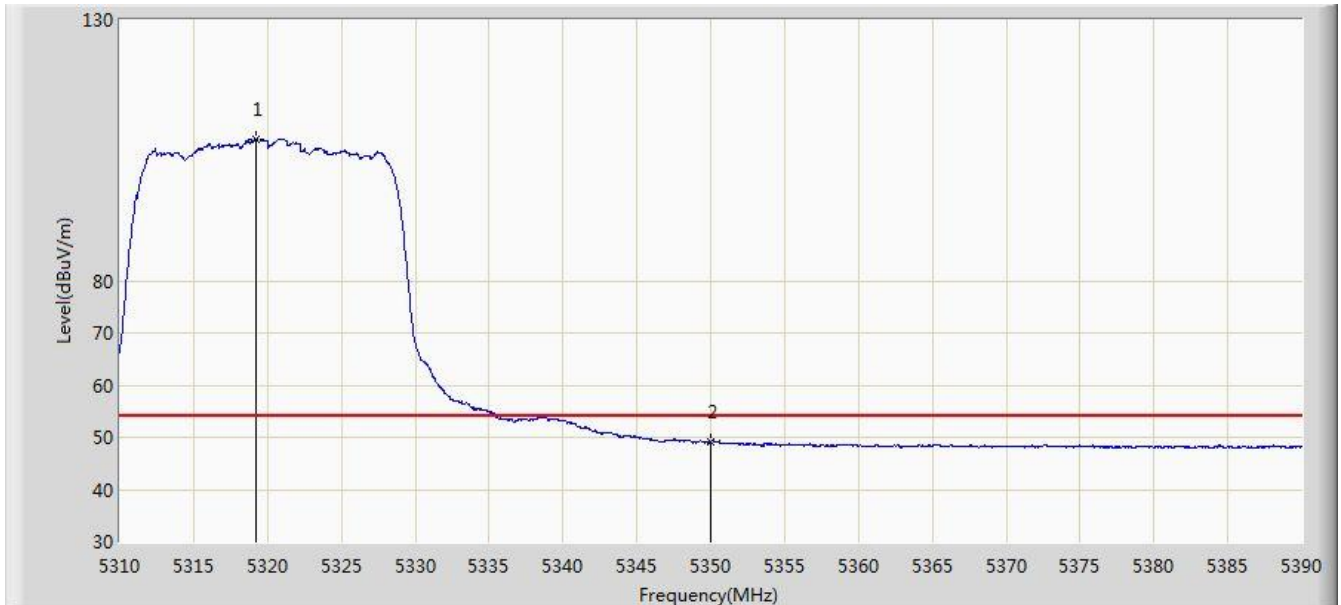
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5319.200	107.241	103.394	N/A	N/A	3.847	AV
2			5350.000	49.122	45.217	-4.878	54.000	3.904	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2018/06/24 - 11:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz	
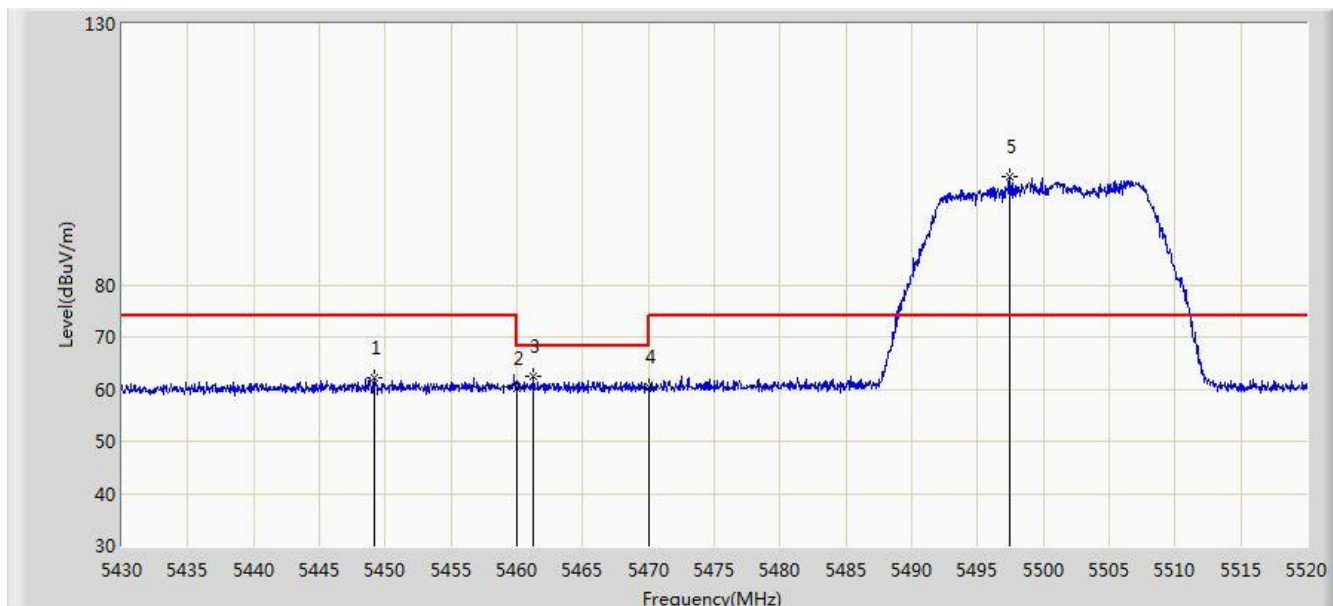
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5449.125	62.087	57.935	-11.913	74.000	4.152	PK
2			5460.000	60.138	55.958	-13.862	74.000	4.180	PK
3			5461.275	62.390	58.207	-5.810	68.200	4.183	PK
4			5470.000	60.319	56.117	-7.881	68.200	4.202	PK
5		*	5497.455	100.825	96.560	N/A	N/A	4.264	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/06/24 - 11:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz	
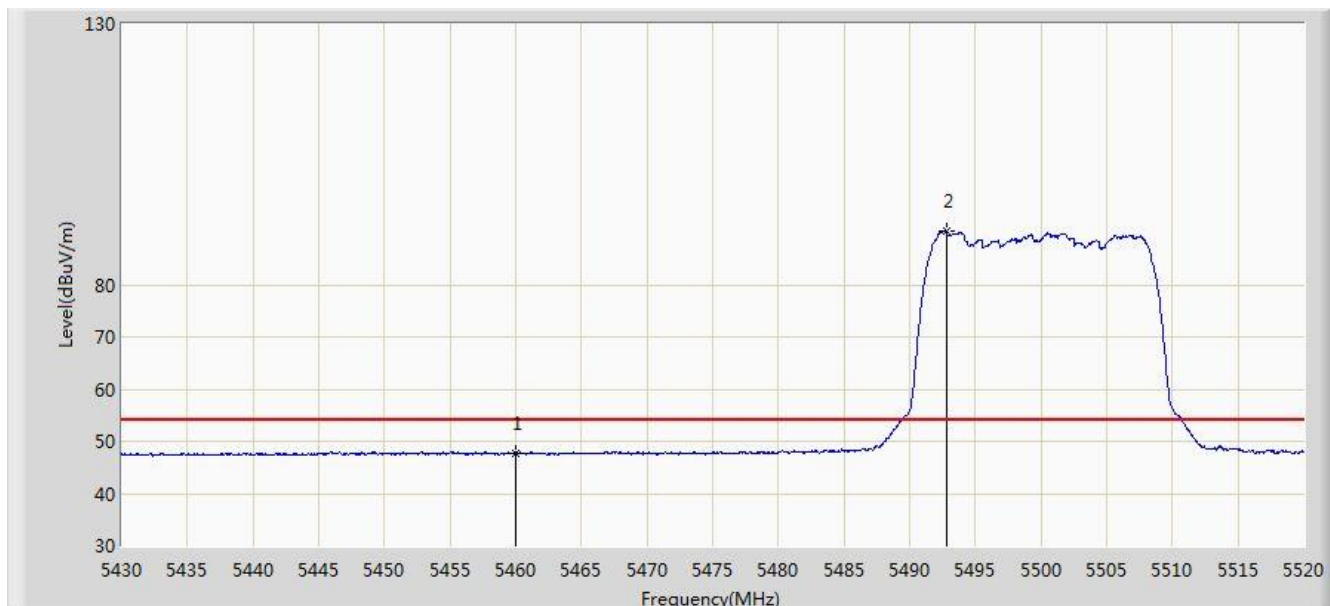
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	47.787	43.607	-6.213	54.000	4.180	AV
2		*	5492.775	90.411	86.157	N/A	N/A	4.254	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2018/06/24 - 11:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz	
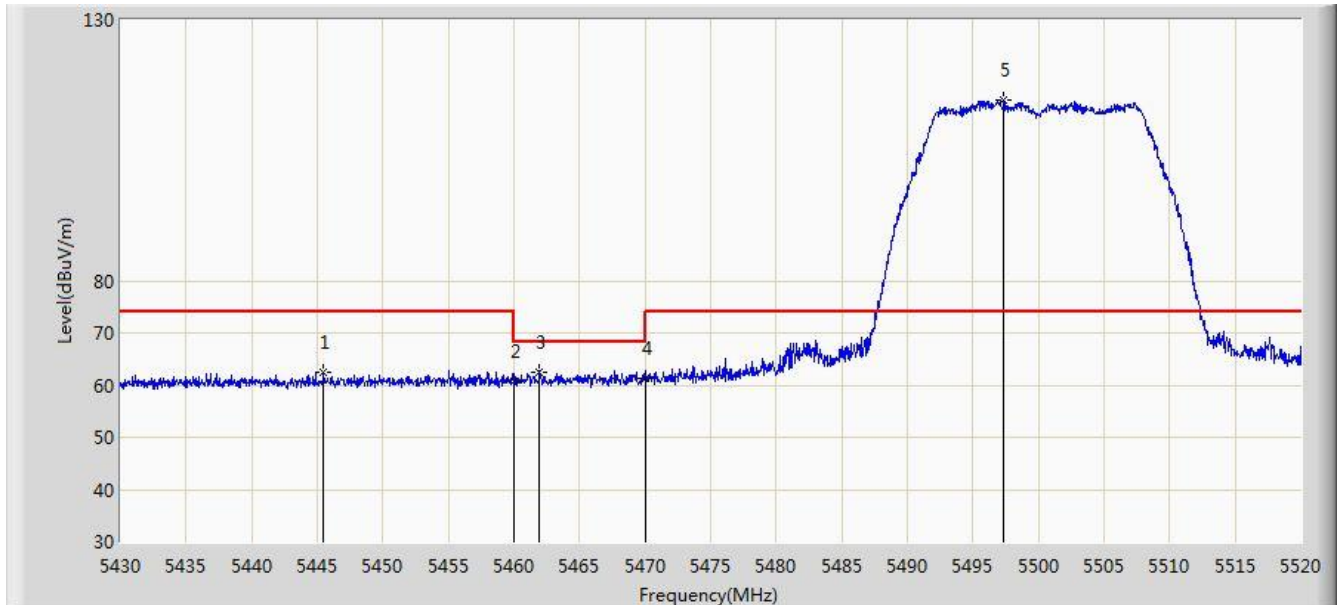
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5445.480	62.322	58.182	-11.678	74.000	4.140	PK
2			5460.000	60.716	56.536	-13.284	74.000	4.180	PK
3			5461.950	62.606	58.422	-5.594	68.200	4.185	PK
4			5470.000	61.333	57.131	-6.867	68.200	4.202	PK
5		*	5497.365	114.675	110.411	N/A	N/A	4.264	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2018/06/24 - 11:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz	
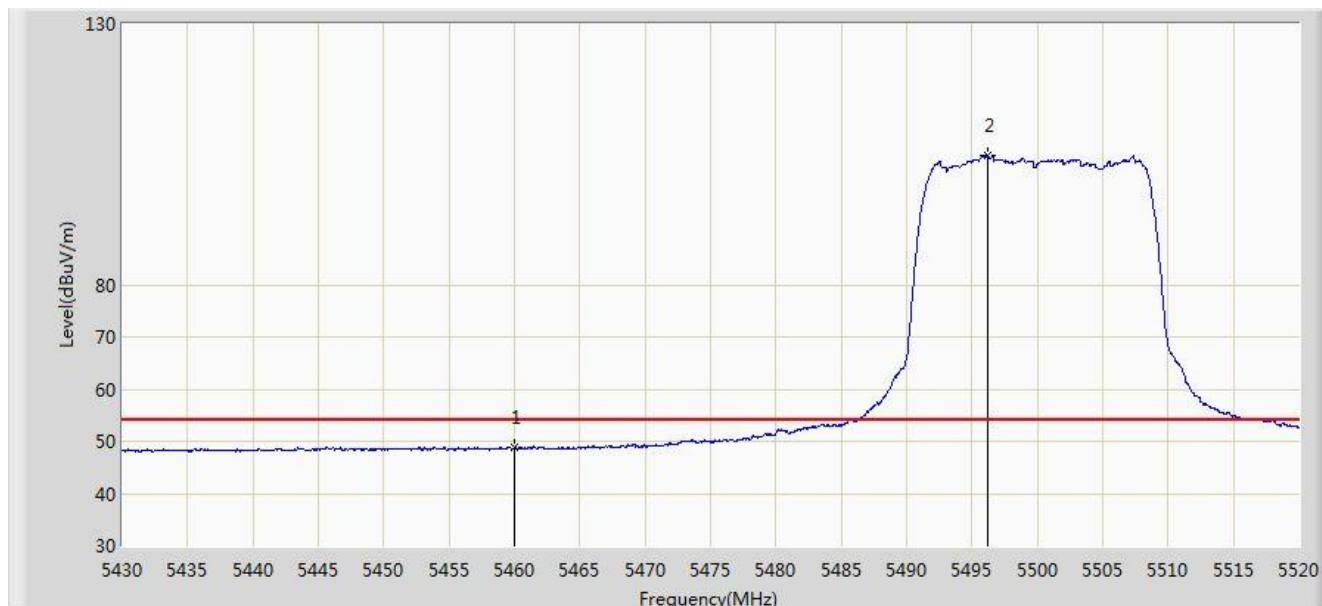
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	48.884	44.704	-5.116	54.000	4.180	AV
2		*	5496.150	104.792	100.530	N/A	N/A	4.261	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2018/06/24 - 11:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz	
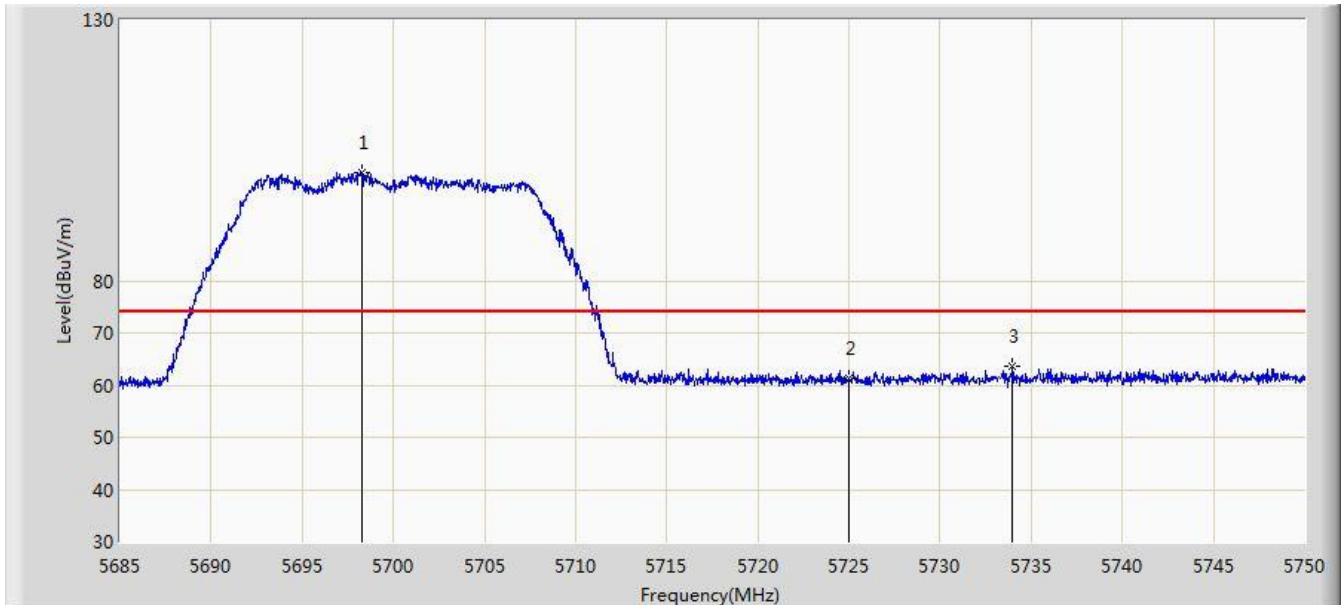
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5698.292	100.791	95.922	N/A	N/A	4.869	PK
2			5725.000	61.214	56.185	-12.786	74.000	5.029	PK
3			5733.978	63.522	58.436	-10.478	74.000	5.086	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2018/06/24 - 11:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz	
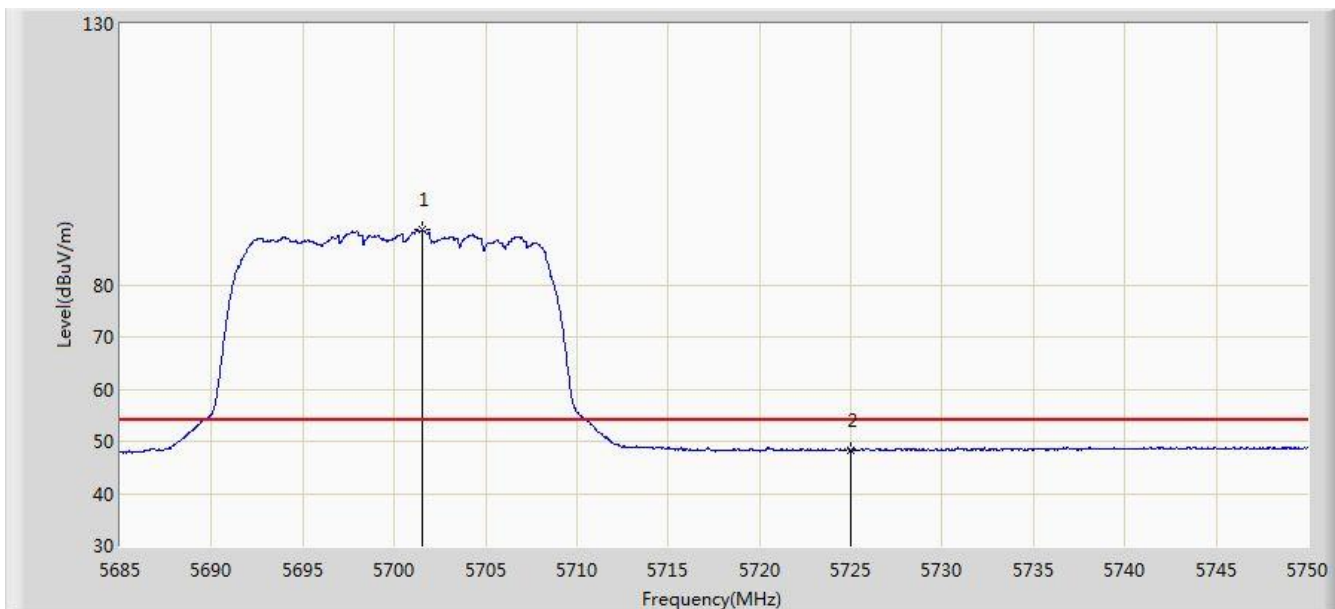
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.575	90.450	85.563	N/A	N/A	4.886	AV
2			5725.000	48.361	43.332	-5.639	54.000	5.029	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2018/06/24 - 11:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz	
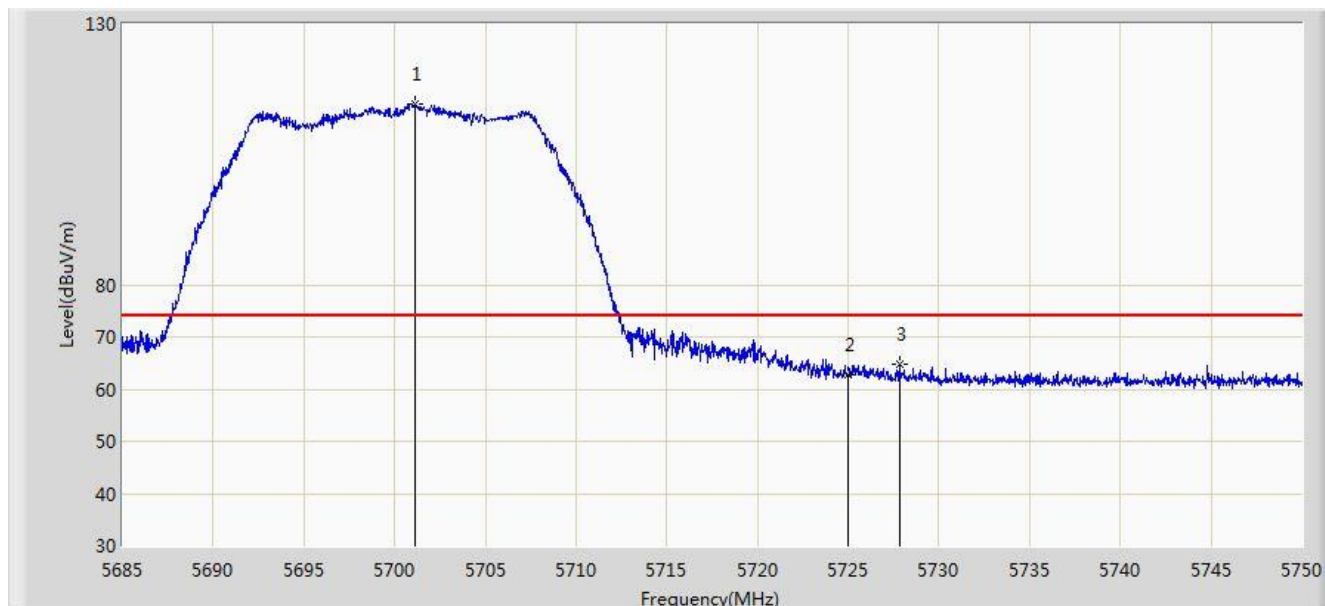
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.152	114.663	109.779	N/A	N/A	4.884	PK
2			5725.000	62.830	57.801	-11.170	74.000	5.029	PK
3			5727.835	64.899	59.852	-9.101	74.000	5.047	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/06/24 - 11:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz	
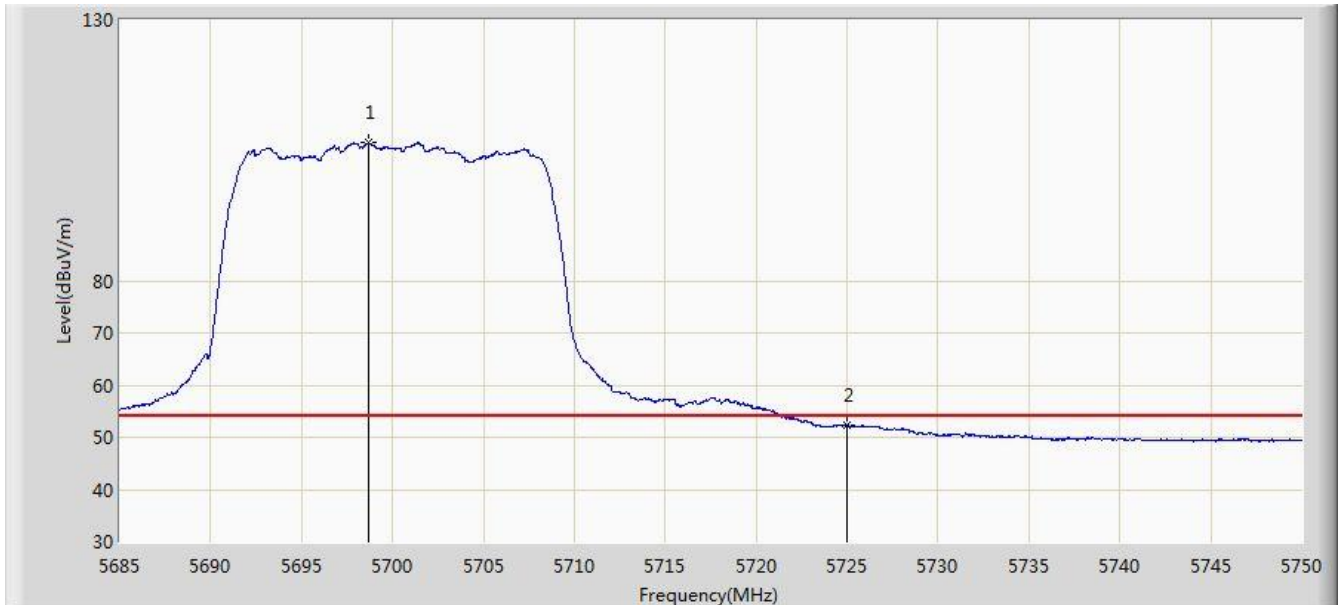
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5698.715	106.458	101.587	N/A	N/A	4.872	AV
2			5725.000	52.229	47.200	-1.771	54.000	5.029	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2018/06/24 - 11:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz	
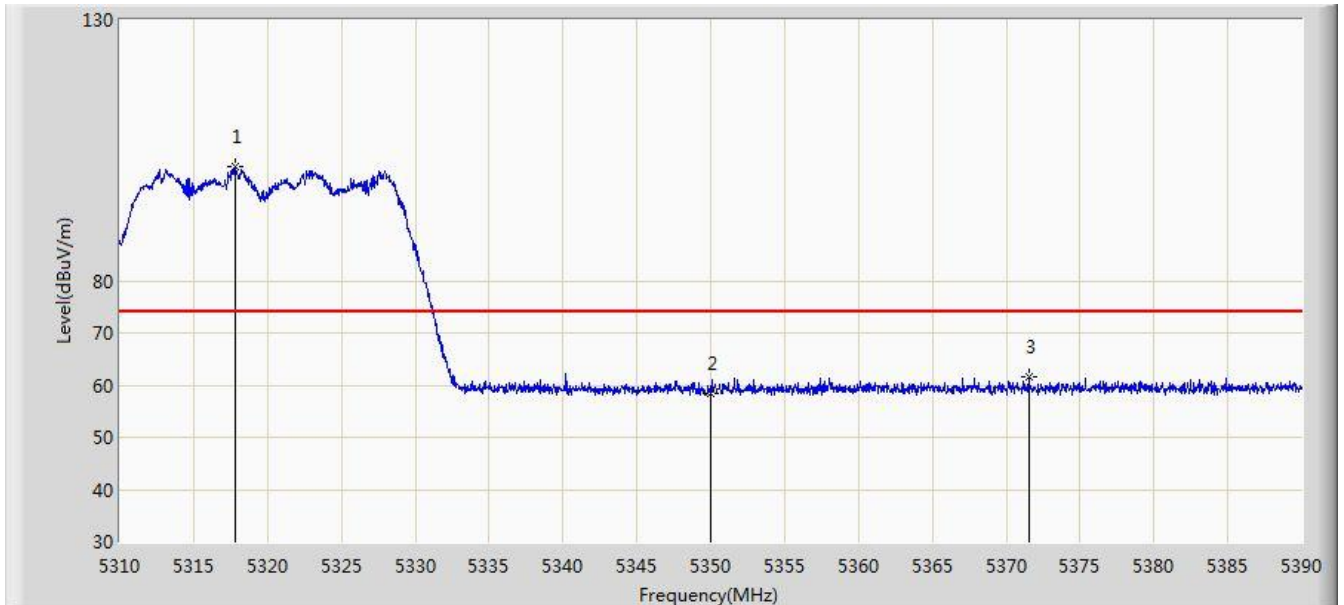
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.800	101.753	97.909	N/A	N/A	3.845	PK
2			5350.000	58.456	54.551	-15.544	74.000	3.904	PK
3			5371.520	61.541	57.597	-12.459	74.000	3.944	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2018/06/24 - 11:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz	
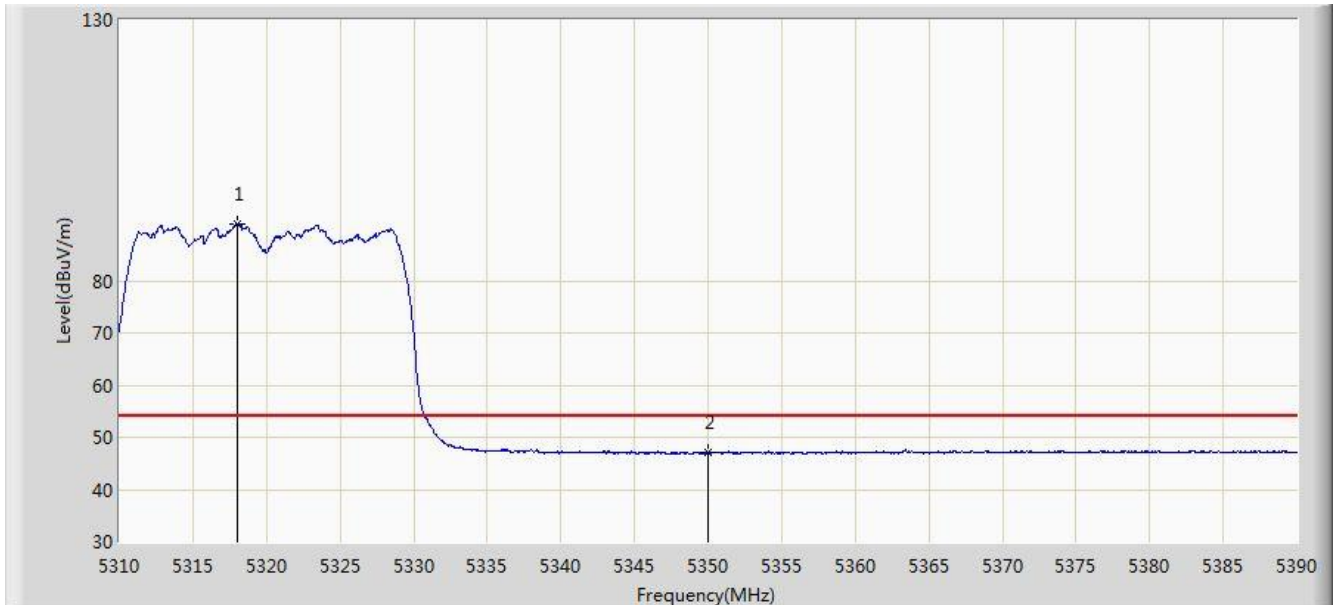
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.040	90.978	87.133	N/A	N/A	3.845	AV
2			5350.000	47.001	43.096	-6.999	54.000	3.904	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2018/06/24 - 11:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz	
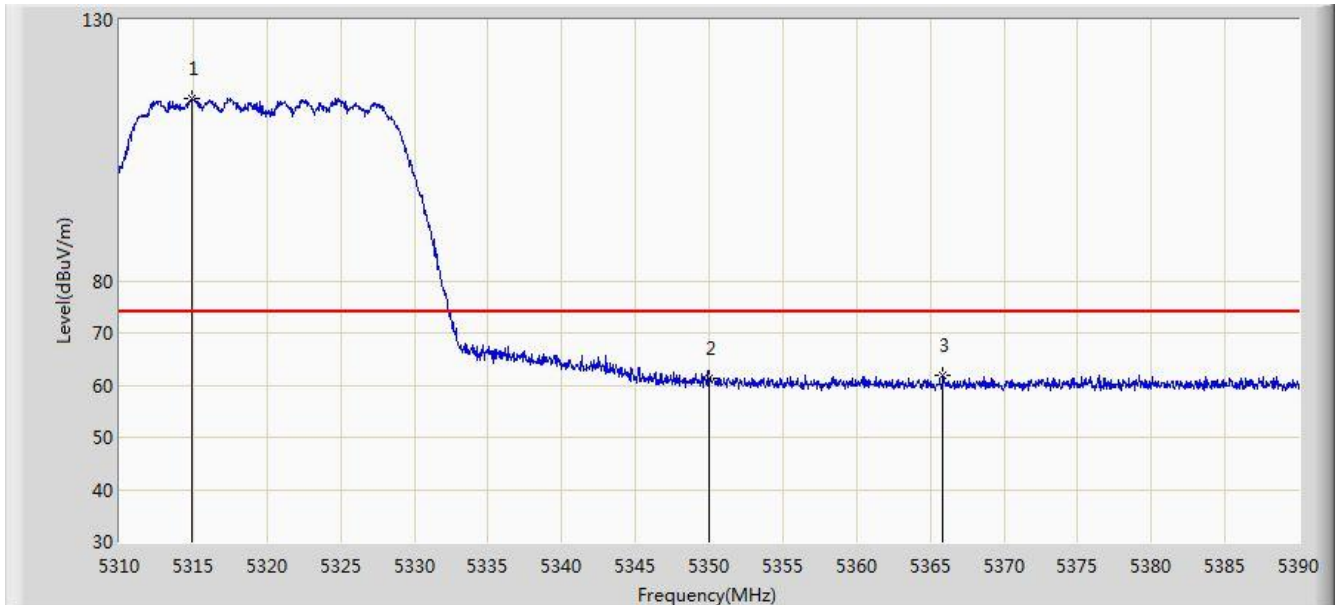
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.960	115.050	111.211	N/A	N/A	3.839	PK
2			5350.000	61.379	57.474	-12.621	74.000	3.904	PK
3			5365.880	61.970	58.037	-12.030	74.000	3.933	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2018/06/24 - 11:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz	
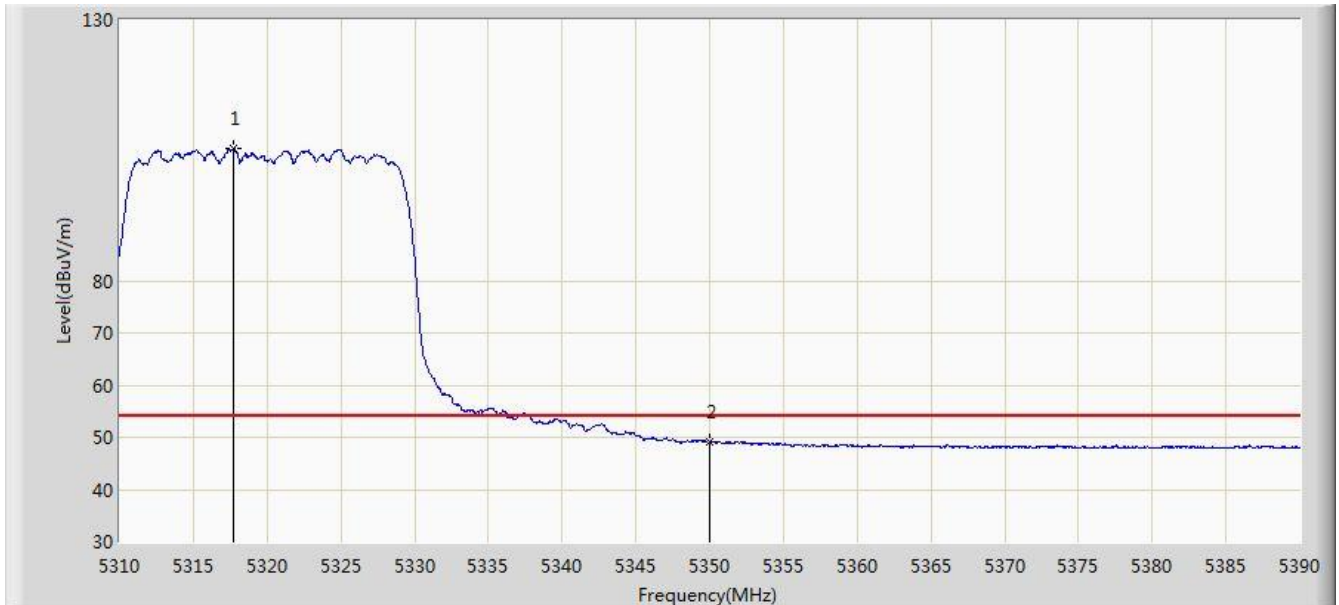
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.720	105.444	101.600	N/A	N/A	3.845	AV
2			5350.000	49.098	45.193	-4.902	54.000	3.904	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2018/06/24 - 11:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz	
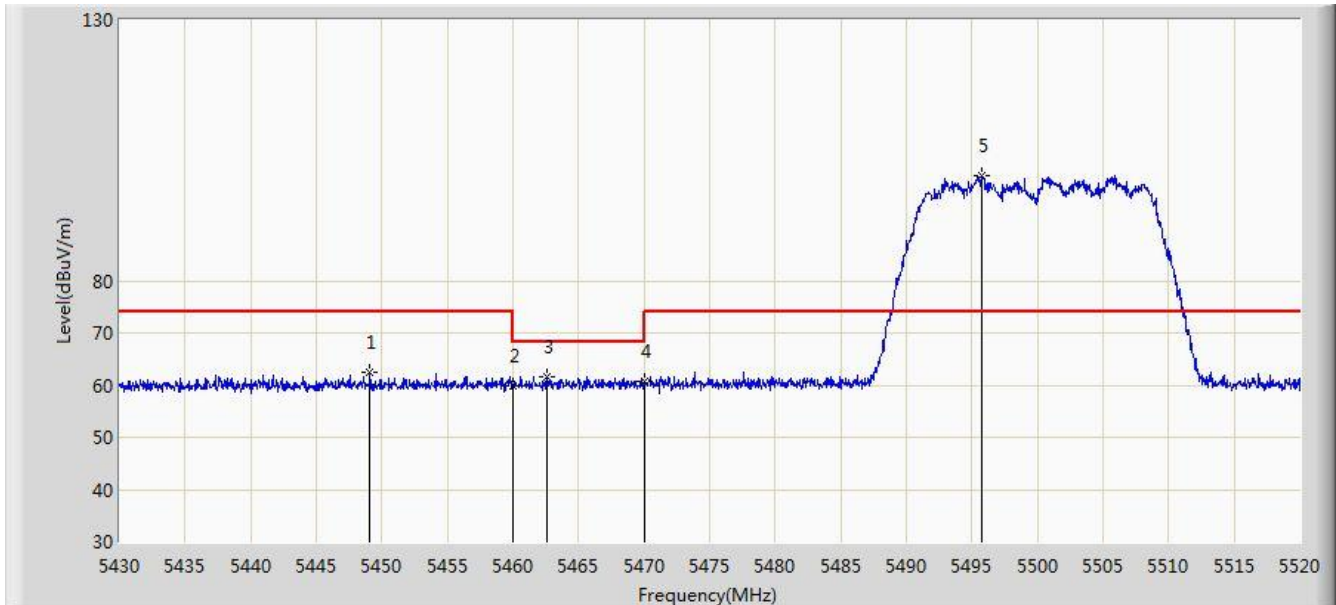
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5449.080	62.438	58.286	-11.562	74.000	4.152	PK
2			5460.000	59.897	55.717	-14.103	74.000	4.180	PK
3			5462.580	61.648	57.462	-6.552	68.200	4.186	PK
4			5470.000	60.629	56.427	-7.571	68.200	4.202	PK
5		*	5495.700	100.246	95.985	N/A	N/A	4.261	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Site: AC1	Time: 2018/06/24 - 11:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz	
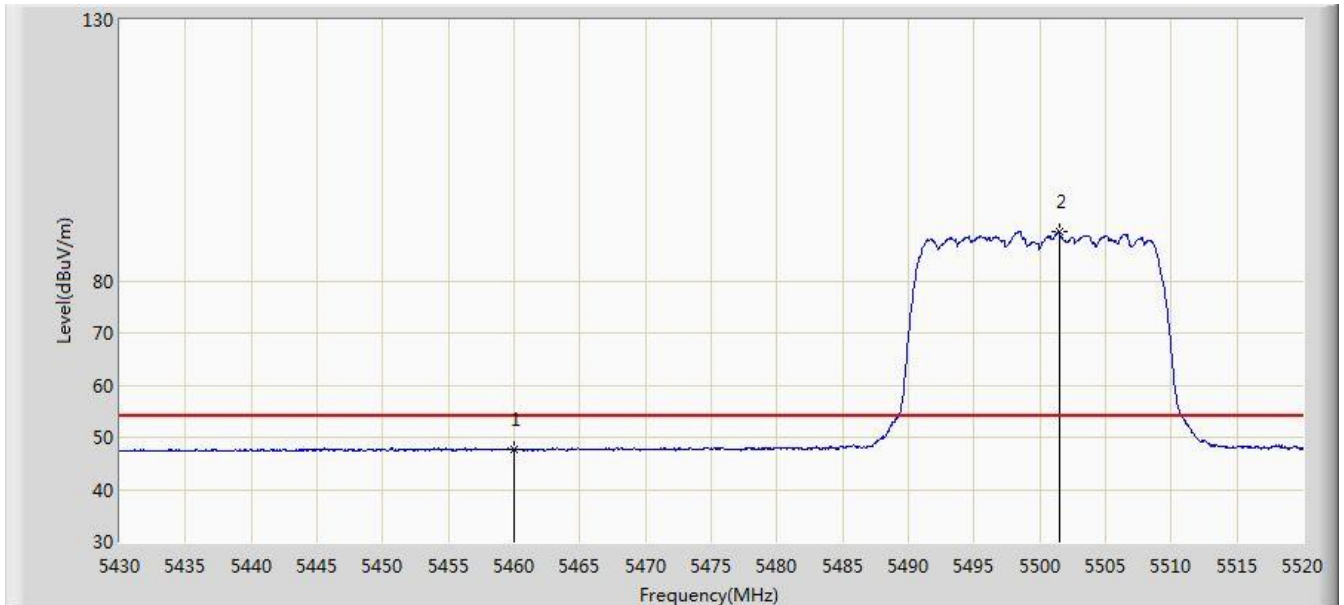
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	47.614	43.434	-6.386	54.000	4.180	AV
2		*	5501.460	89.481	85.205	N/A	N/A	4.276	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2018/06/24 - 11:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz	
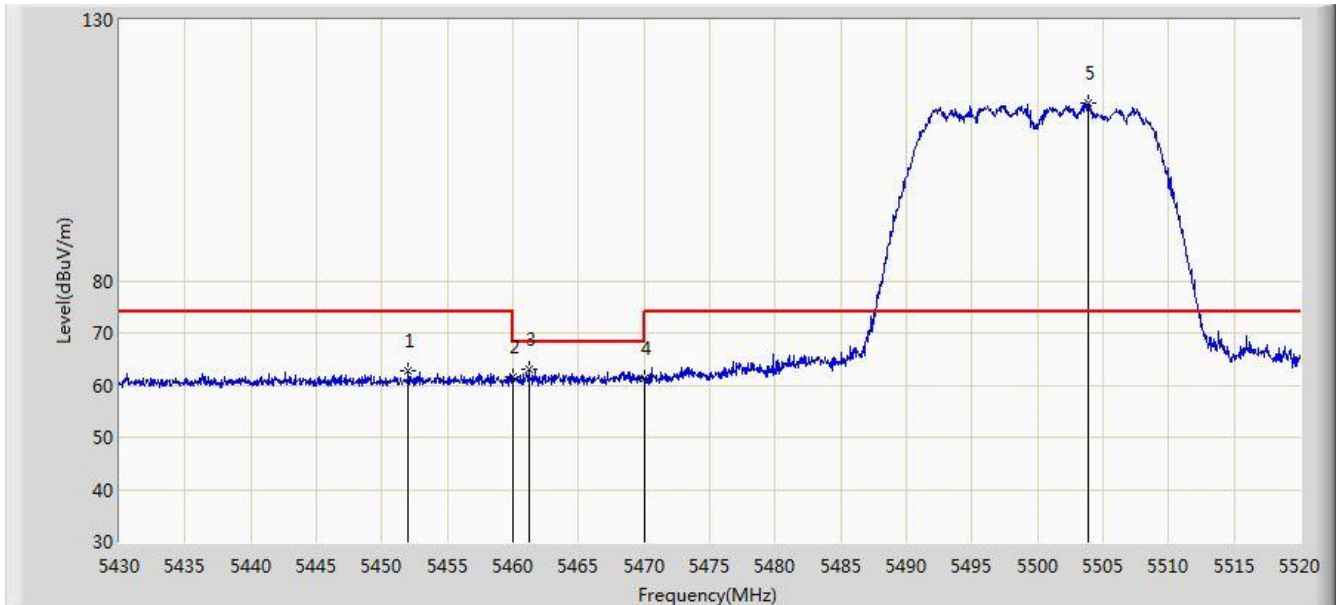
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5452.005	62.638	58.477	-11.362	74.000	4.161	PK
2			5460.000	61.554	57.374	-12.446	74.000	4.180	PK
3			5461.230	62.902	58.719	-5.298	68.200	4.183	PK
4			5470.000	61.389	57.187	-6.811	68.200	4.202	PK
5		*	5503.845	114.022	109.739	N/A	N/A	4.284	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)