FCC RADIO TEST REPORT

FCC ID	:	**PY7-15465A**
Equipment	:	**GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac, GPS, FM Receiver and NFC**
Brand Name	:	**SONY**
Applicant	:	**Sony Corporation 1-7-1 Konan Minato-ku Tokyo, 108-0076 Japana**
Manufacturer	:	**Sony Corporation 1-7-1 Konan Minato-ku Tokyo, 108-0076 Japana**
Standard	:	**FCC Part 15 Subpart E §15.407**
Test Date(s)	:	**Oct. 18, 2021 ~ Dec. 23, 2021**

We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (Kunshan) Inc., the test report shall not be reproduced except in full.

Jason Jia

Reviewed by: Jason Jia / Supervisor

Alex Wang

Approved by: Alex Wang / Manager

ACCREDITED
Cert #5145.02

Sporton International (Kunshan) Inc.

No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China

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History of this test report

Report No.	Version	Description	Issued Date
FR1O1906F	01	Initial issue of report	Dec. 15, 2021
FR1O1906F	02	1. Update 99% BW test plot. 2. Update Section 3.2.3 conducted output power and Section 3.3.3 Power Spectral Density test procedure. 3. Update Section 2.2 Remark for RSE test mode. 4. Modify the test plots on Page 54-55, 58-59	Dec. 24, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 6.70 dB at 39.700 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 7.52 dB at 0.171 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, DTS/UNII a/b/g/n/ac, NFC, FM Receiver, and GNSS.

Product Specification subjective to this standard	
Antenna Type / Gain	PIFA Antenna with gain -1.1 dBi

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

EUT Information List			
HW Version	**SW Version**	**S/N**	**Performed Test Item**
A	0.48	HQ618X02D2	RF conducted measurement
	0.106	HQ61B2014B	Radiated Spurious Emission
	0.106	HQ618X0253	AC Conducted Emission

Note: For other wireless features of this EUT, test report will be issued separately.

1.2 Modification of EUT

No modifications are made to the EUT during all test items.

1.3 Testing Location

Sporton International (Kunshan) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International (Kunshan) Inc.		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	CO01-KS 03CH05-KS TH01-KS	CN1257	314309

1.4 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find Y plane as worst plane.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155#	5775	165	5825

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138#	5690	144	5720
	142*	5710		

Note:

1. The above Frequency and Channel in "*" were 802.11n HT40 and 802.11ac VHT40.
2. The above Frequency and Channel in "#" were 802.11ac VHT80.

2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0

Remark: Since the verify power, the same operating range bandwidth and smaller power can be covered by the higher power.

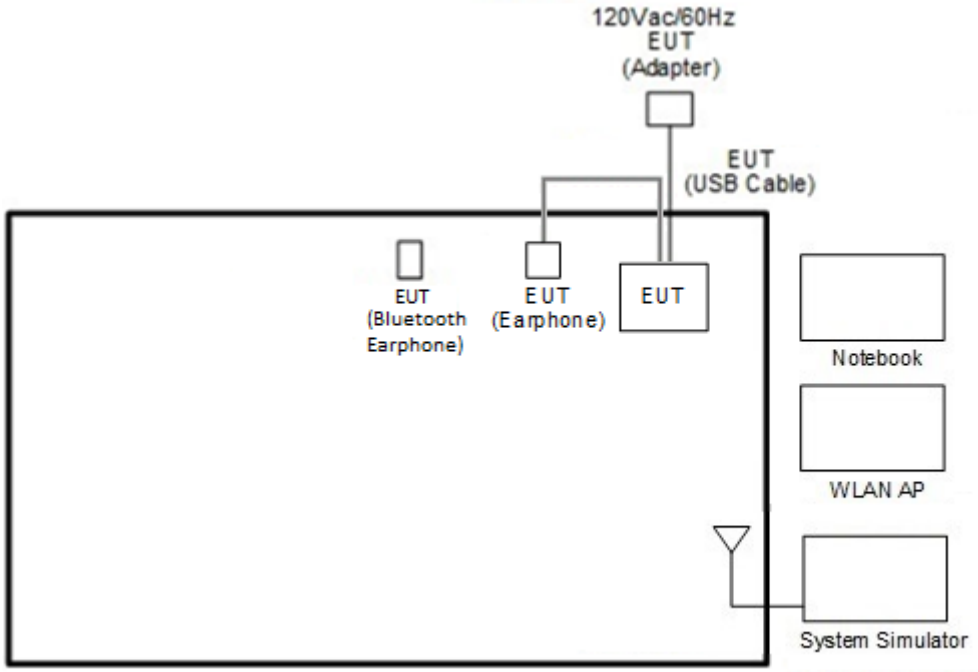
Test Cases	
AC Conducted Emission	Mode 1 : GSM850 Idle + Bluetooth Idle + WLAN (5GHz) Idle + Earphone + USB Cable (Charging from Adapter)

Ch. #		Band IV : 5725-5850 MHz			
		802.11a	802.11n HT20	802.11n HT40	802.11ac VHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

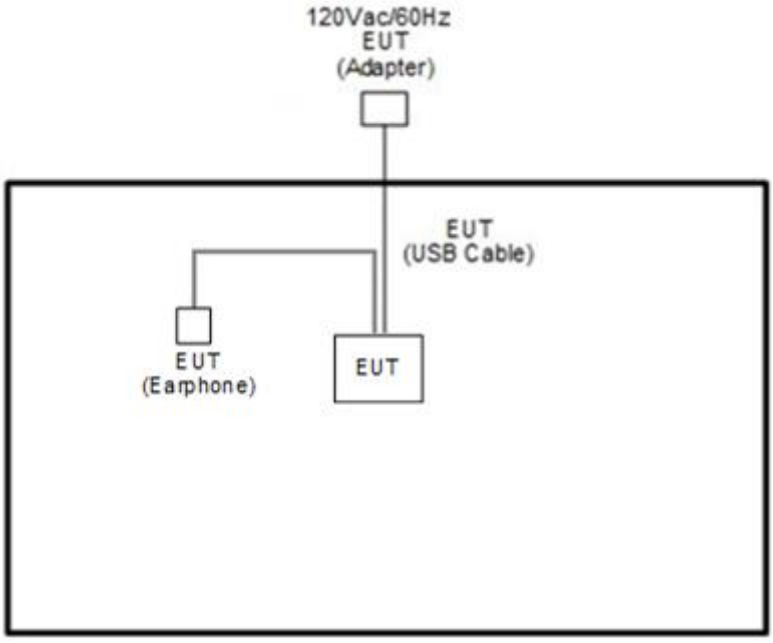
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN TX Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Base Station	Anritus	MT8821C	N/A	N/A	Unshielded,1.8m
2.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded,1.8m
3.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
4.	SD Card	Kingston	8GB	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “FTM” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 6.8 dB.

Offset(dB) = RF cable loss(dB).

= 6.8 (dB)

3 Test Result

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

26dB and 99% Occupied bandwidth are reporting only.

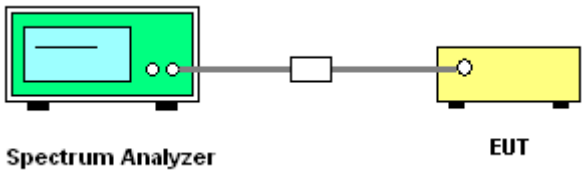
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth for the band 5.725-5.85 GHz
2. Set RBW = 100 kHz.
3. Set the VBW ≥ 3 x RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

3.1.4 Test Setup

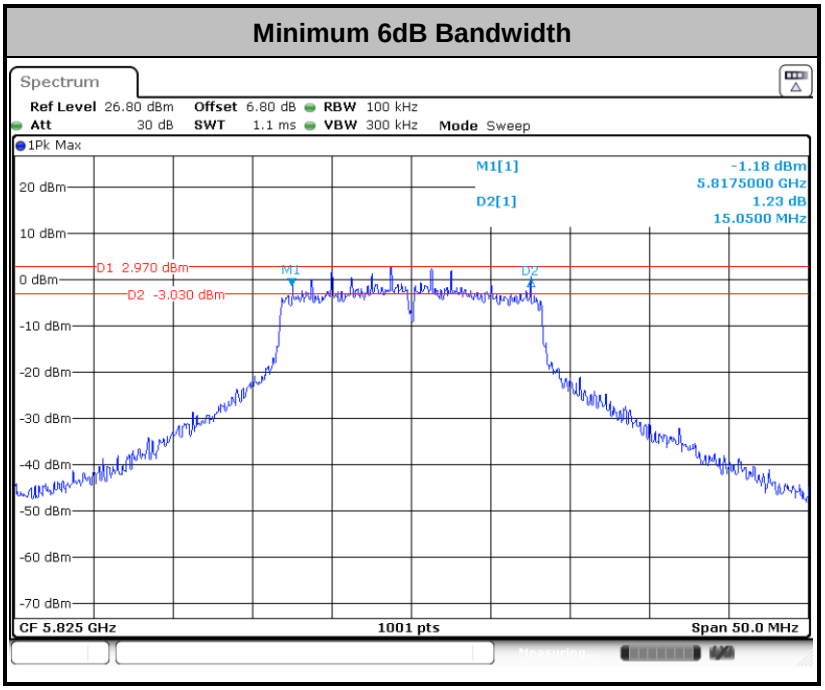


3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

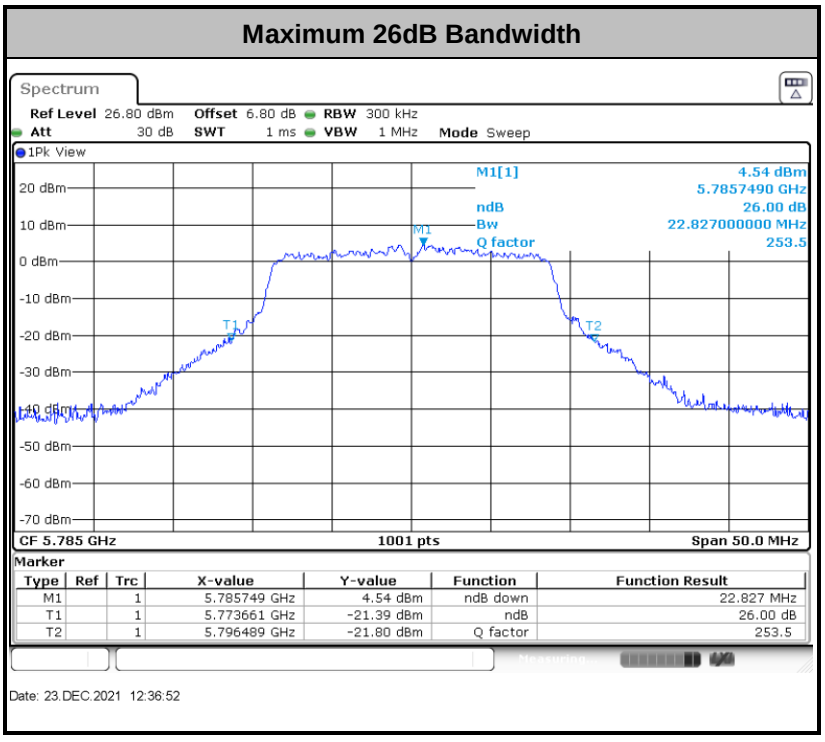
Please refer to Appendix A.

For 20MHz:

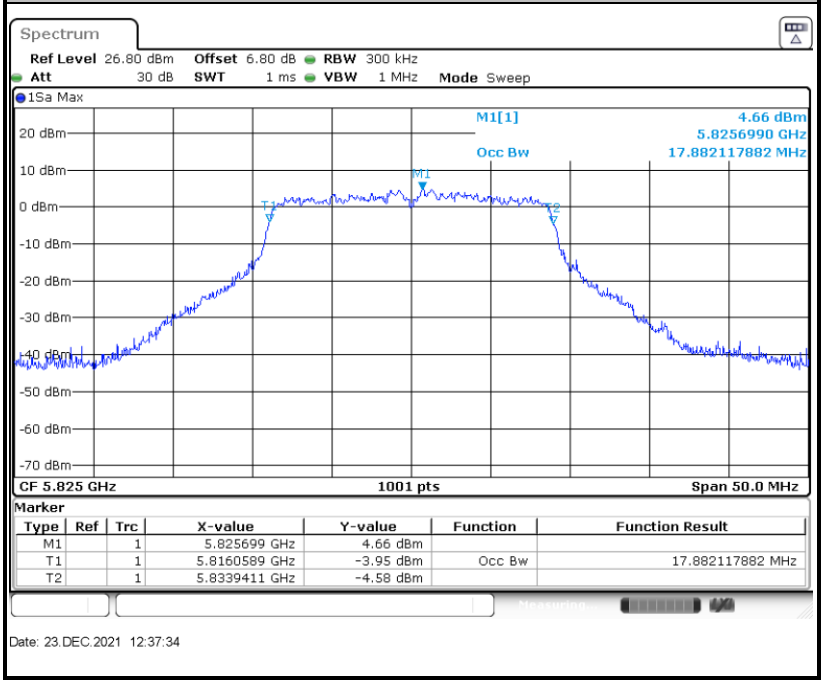
Minimum 6dB Bandwidth



Maximum 26dB Bandwidth

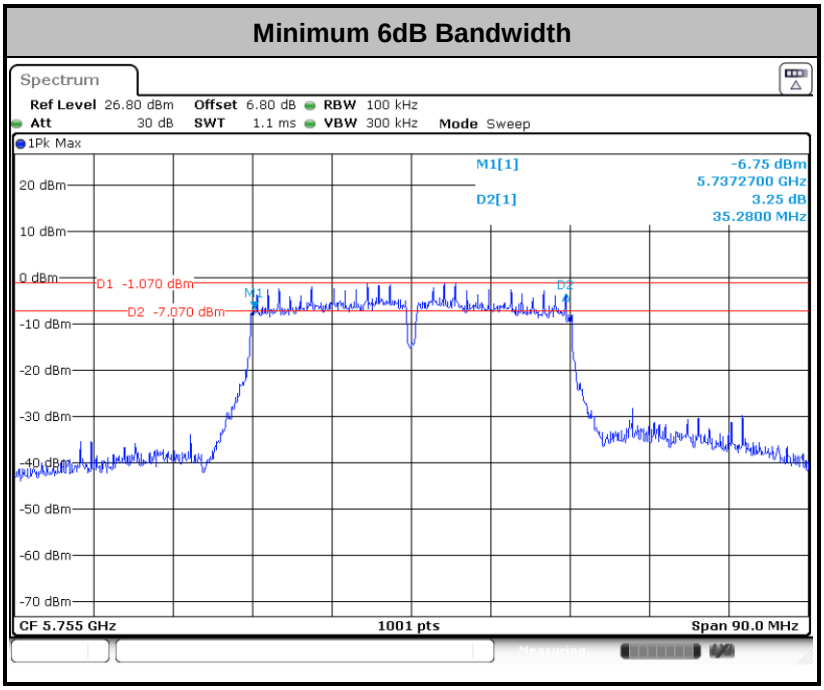


Maximum 99% Occupied Bandwidth

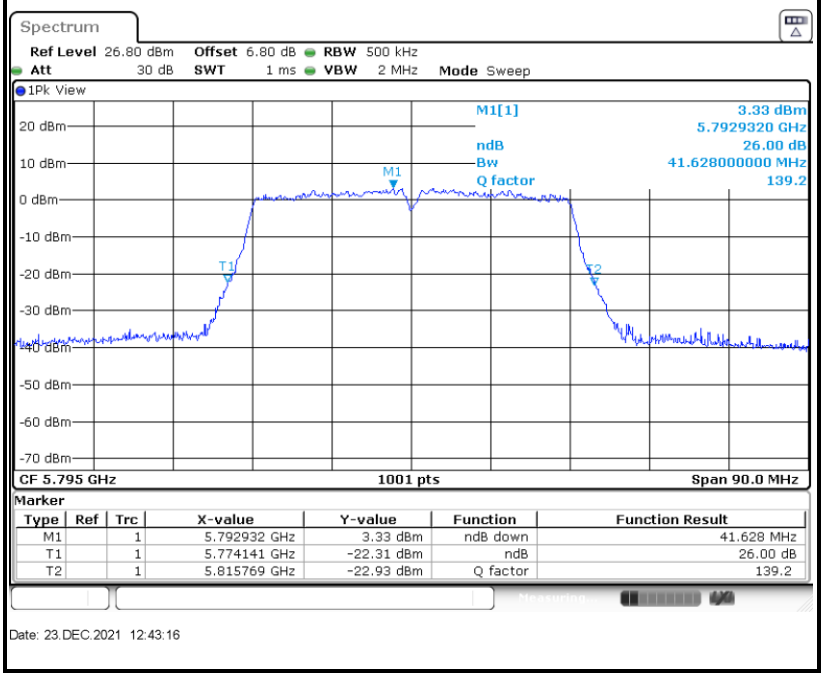


For 40MHz:

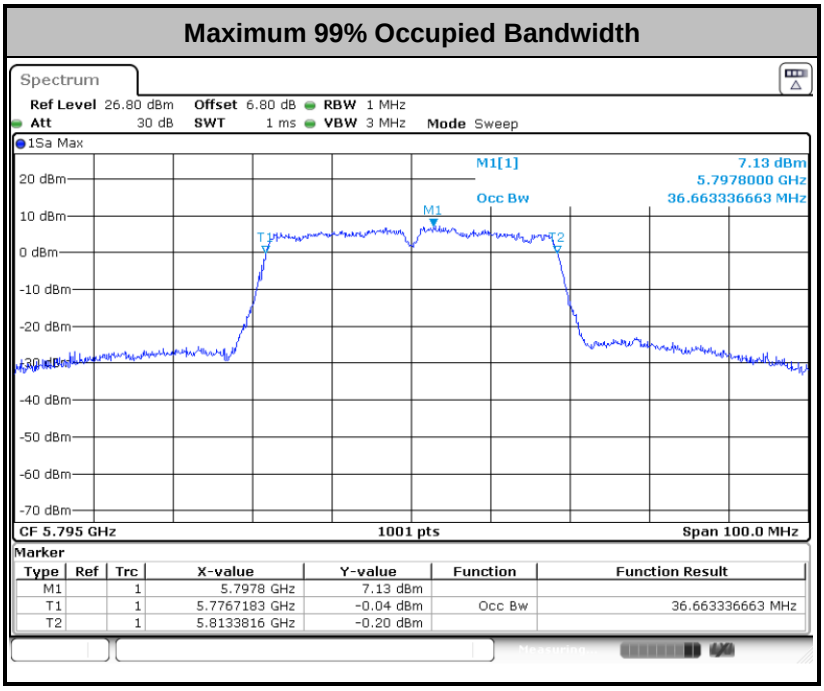
Minimum 6dB Bandwidth



Maximum 26dB Bandwidth

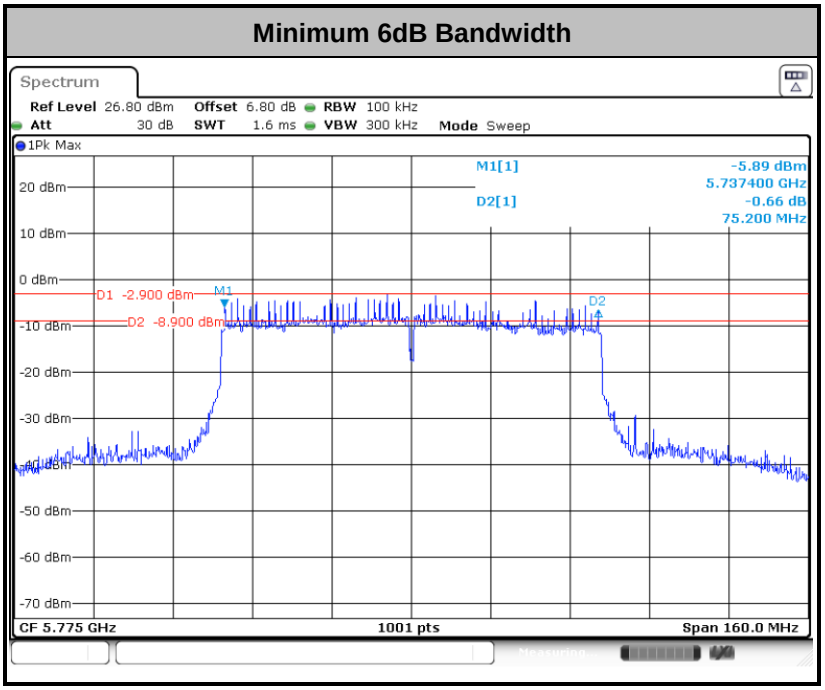


Maximum 99% Occupied Bandwidth

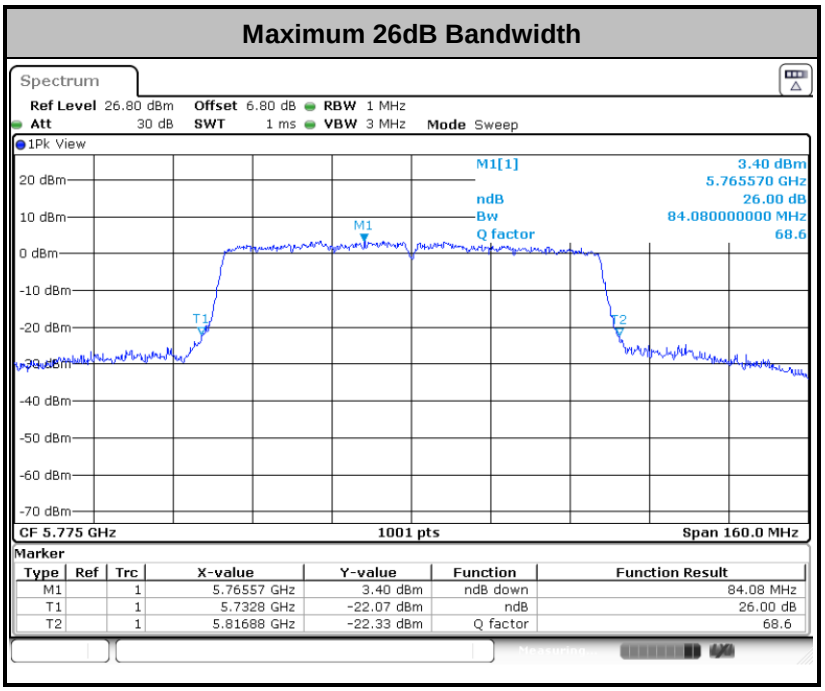


For 80MHz:

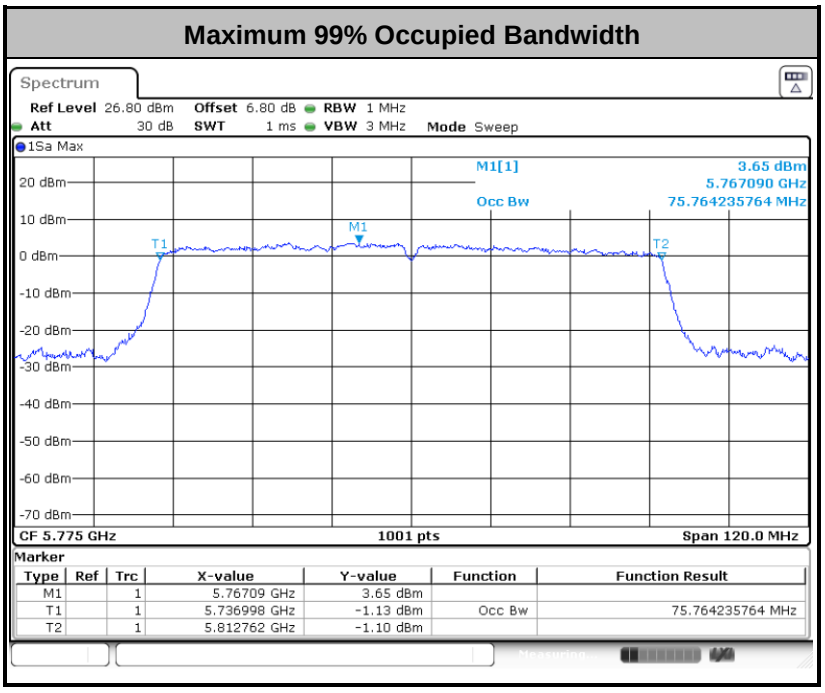
Minimum 6dB Bandwidth



Maximum 26dB Bandwidth

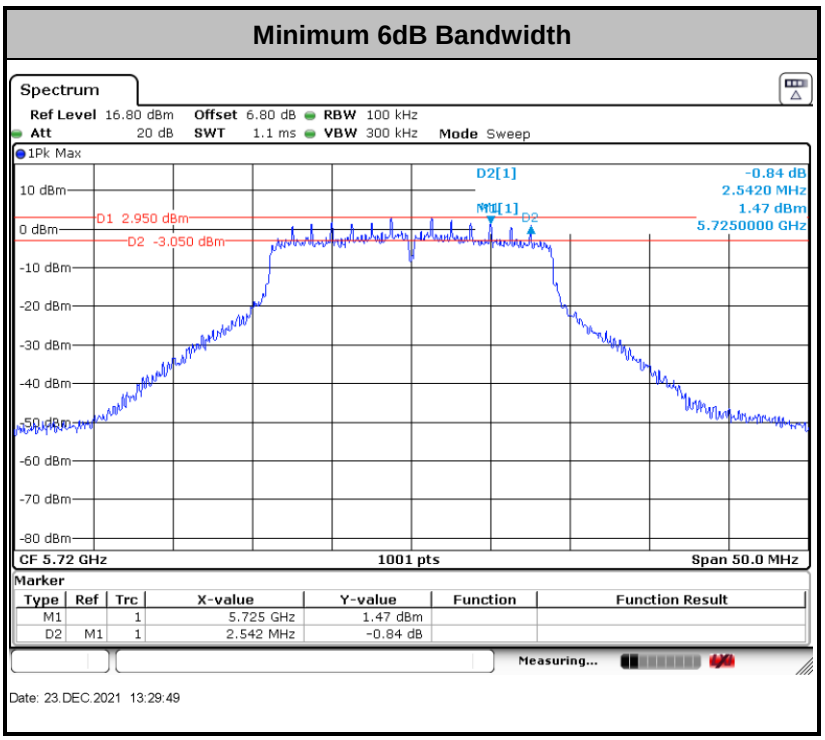


Maximum 99% Occupied Bandwidth

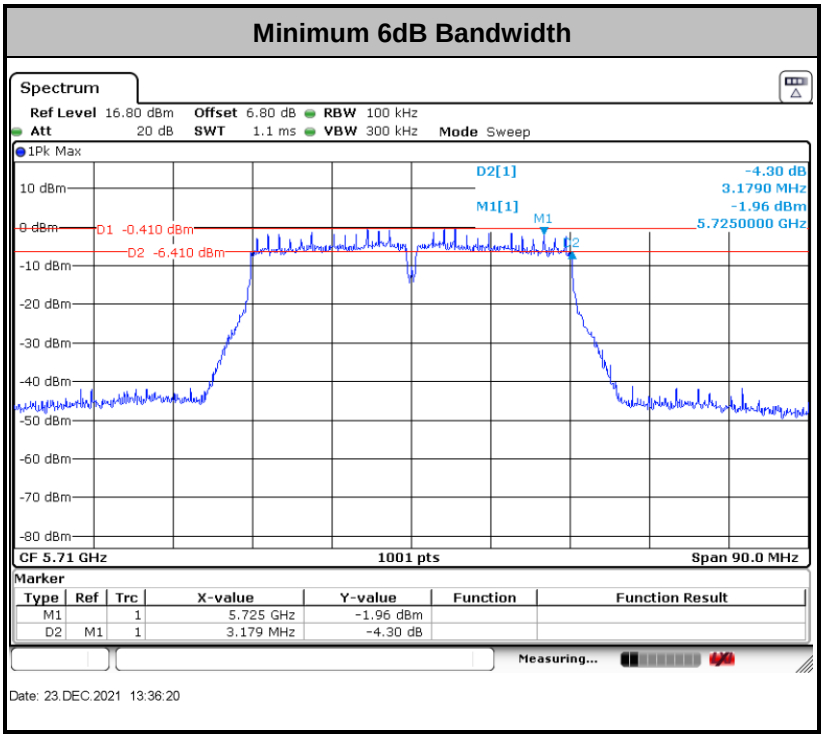


For Straddle Channel 20MHz:

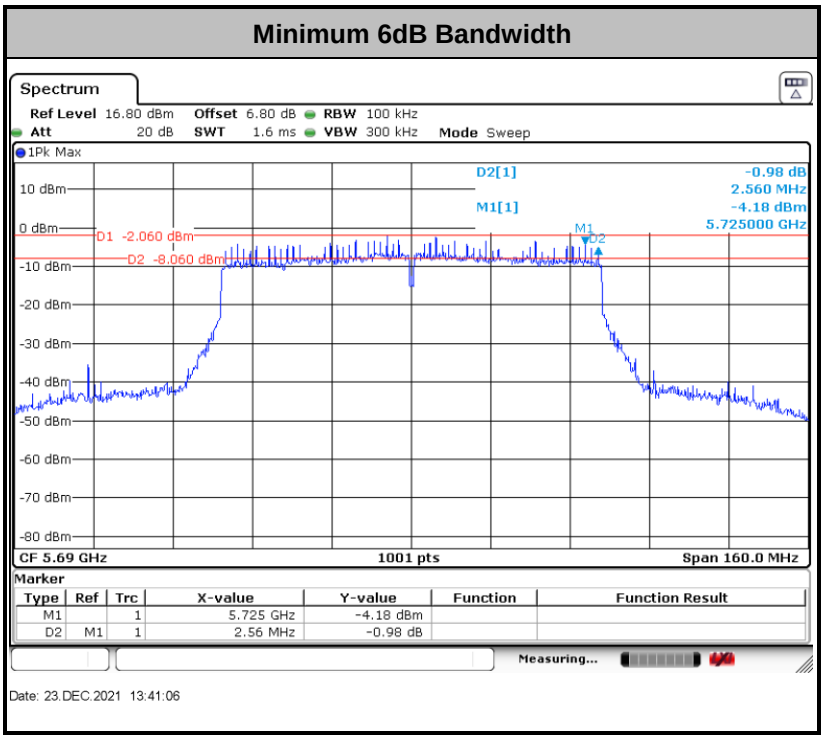
Minimum 6dB Bandwidth



For Straddle Channel 40MHz:



For Straddle Channel 80MHz:



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

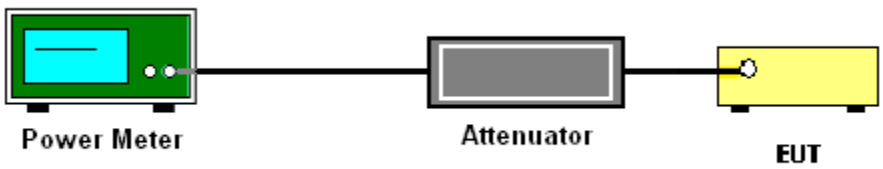
3.2.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is the duty cycle.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

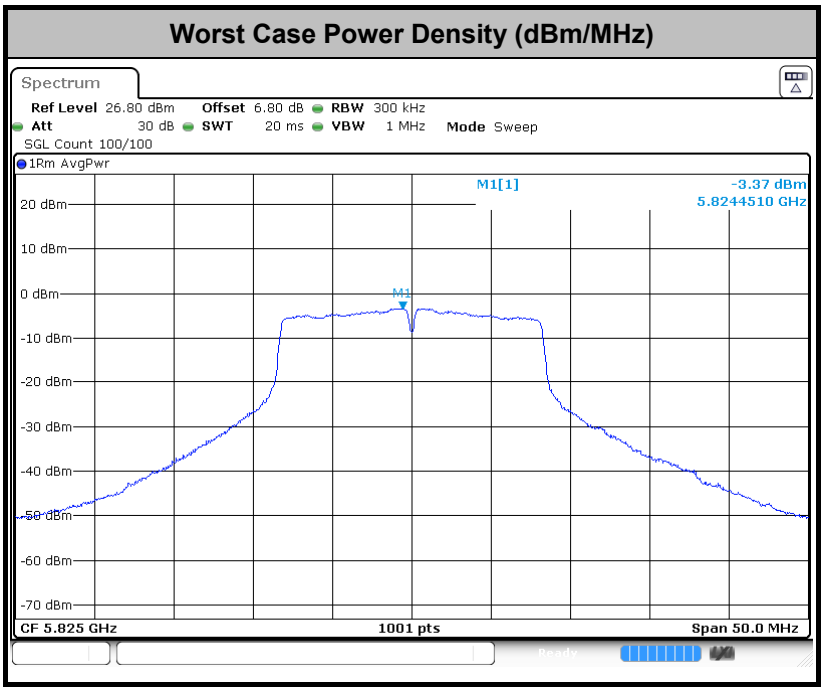
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section F. Maximum power spectral density.

3.3.4 Test Setup

3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



3.4 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table,

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.3

(3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

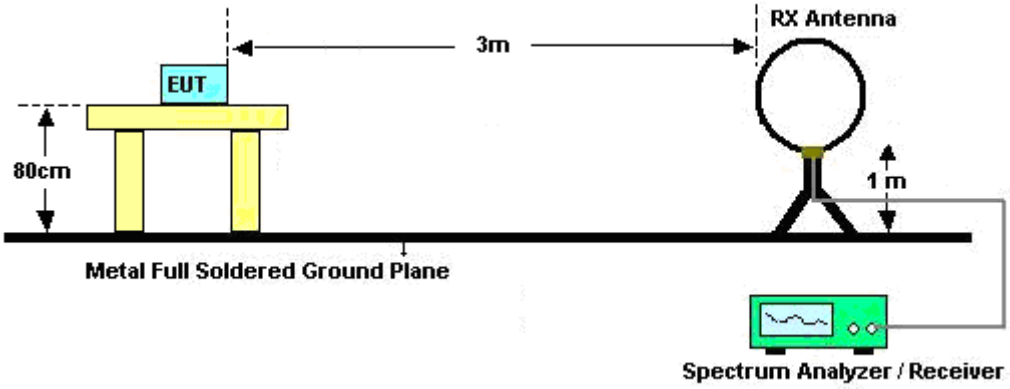
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1 GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.

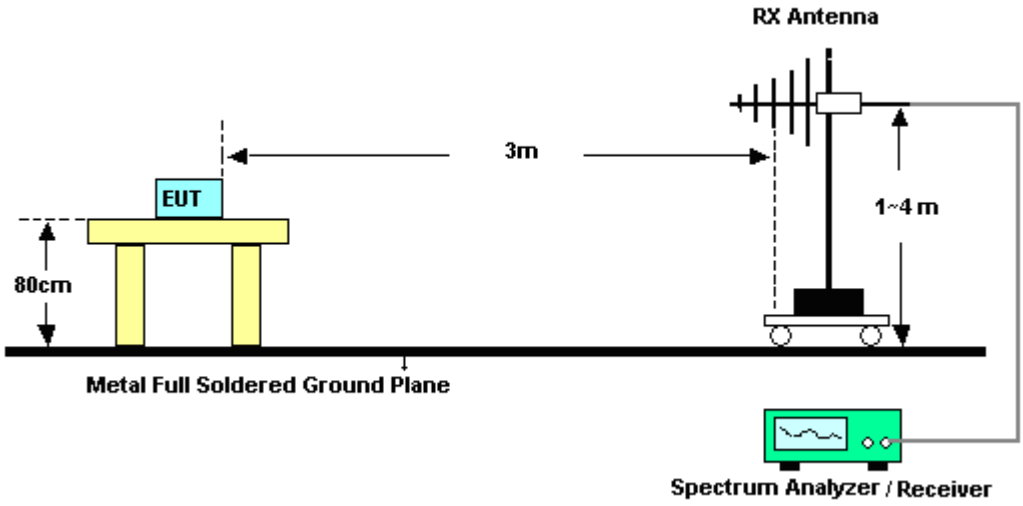
7. For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

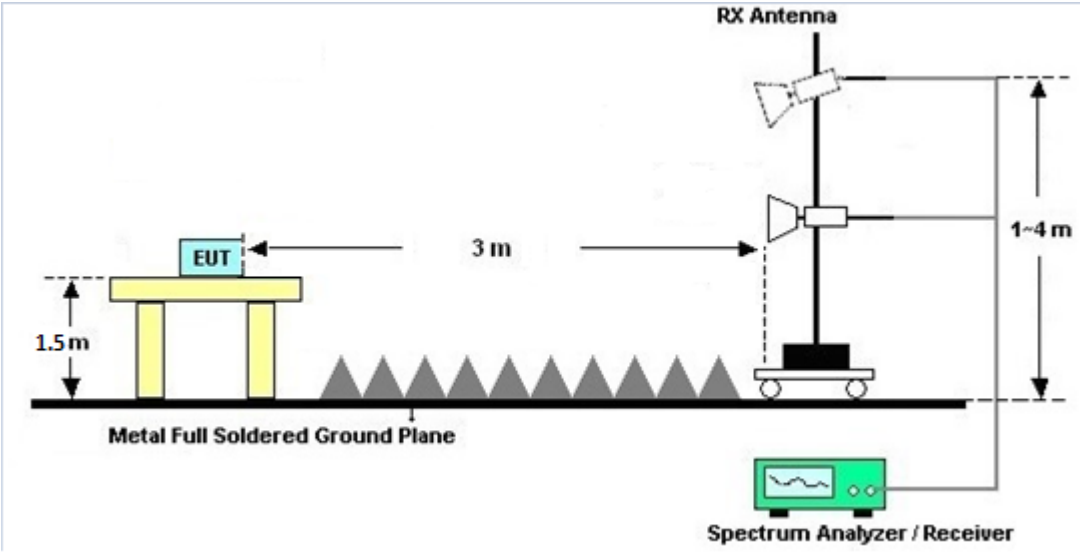
For radiated emissions below 30MHz



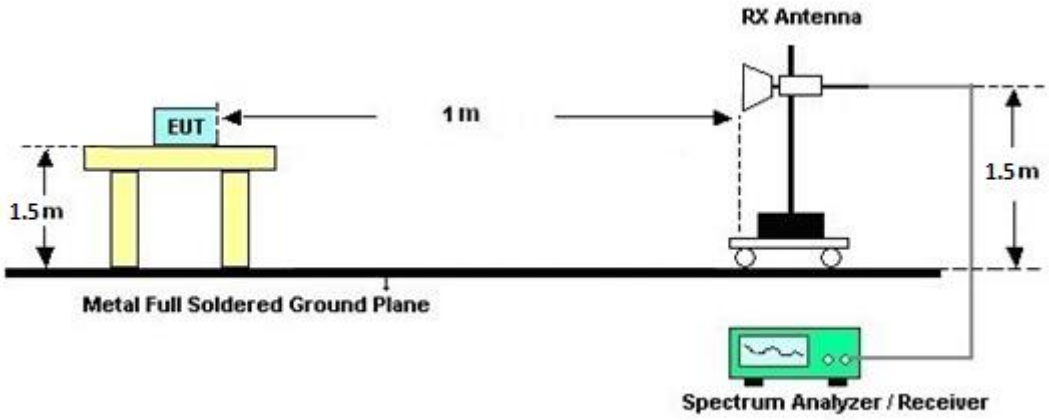
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.4.5 Test Results of Radiated Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

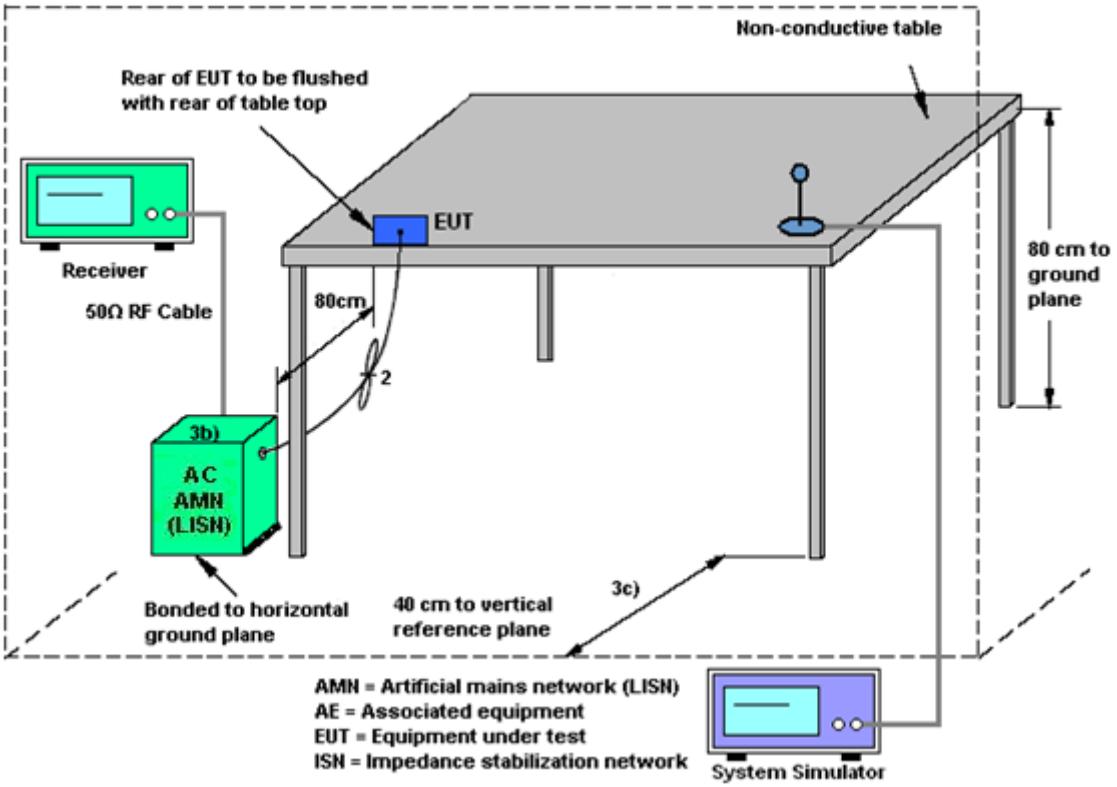
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

3.7 Antenna Requirements

3.7.1 Standard Applicable

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 14, 2021	Oct. 19, 2021~ Dec. 23, 2021	Oct. 13, 2022	Conducted (TH01-KS)
Pulse Power Senor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 07, 2021	Oct. 19, 2021~ Dec. 23, 2021	Jan. 06, 2022	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 07, 2021	Oct. 19, 2021~ Dec. 23, 2021	Jan. 06, 2022	Conducted (TH01-KS)
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz;Max 30dBm	Oct. 16, 2021	Nov. 24, 2021	Oct. 15, 2022	Radiation (03CH05-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz-44G,MAX 30dB	Apr. 13, 2021	Nov. 24, 2021	Apr. 12, 2022	Radiation (03CH05-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 30, 2021	Nov. 24, 2021	Oct. 29, 2022	Radiation (03CH05-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	Jun. 04 ,2021	Nov. 24, 2021	Jun. 03, 2022	Radiation (03CH05-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00218652	1GHz~18GHz	Apr. 24, 2021	Nov. 24, 2021	Apr. 23, 2022	Radiation (03CH05-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Nov. 09, 2021	Nov. 24, 2021	Nov. 08, 2022	Radiation (03CH05-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Apr. 12, 2021	Nov. 24, 2021	Apr. 11, 2022	Radiation (03CH05-KS)
high gain Amplifier	MITEQ	AMF-7D-00101800-30-10P	2012228	1Ghz-18Ghz	Oct. 16, 2021	Nov. 24, 2021	Oct. 15, 2022	Radiation (03CH05-KS)
Amplifier	Keysight	83017A	MY53270316	500MHz~26.5GHz	Oct. 16, 2021	Nov. 24, 2021	Oct. 15, 2022	Radiation (03CH05-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 07, 2021	Nov. 24, 2021	Jan. 06, 2022	Radiation (03CH05-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Nov. 24, 2021	NCR	Radiation (03CH05-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Nov. 24, 2021	NCR	Radiation (03CH05-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Nov. 24, 2021	NCR	Radiation (03CH05-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 21, 2021	Oct. 27, 2021	Apr. 20, 2022	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 14, 2021	Oct. 27, 2021	Oct. 13, 2022	Conduction (CO01-KS)
AC LISN	R&S	ENV216	100334	9kHz~30MHz	Oct. 14, 2021	Oct. 27, 2021	Oct. 13, 2022	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 14, 2021	Oct. 27, 2021	Oct. 13, 2022	Conduction (CO01-KS)

NCR: No Calibration Required.

5 Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.9dB**

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0dB**

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0dB**

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0dB**

Appendix A. Conducted Test Results

Report Number : FR1O1906F

Test Engineer:	Jack Fan	Temperature:	21~25	°C
Test Date:	2021/10/18	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

U-NII-3									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	6 dB Bandwidth (MHz)	6dB Bandwidth min. Limit (MHz)	Pass/Fail
11a	6Mbps	1	144	5720	16.73	22.43	2.742	0.5	Pass
11a	6M bps	1	149	5745	16.68	22.28	15.65	0.5	Pass
11a	6Mbps	1	157	5785	16.68	21.68	15.35	0.5	Pass
11a	6Mbps	1	165	5825	16.63	21.28	15.05	0.5	Pass
HT20	MCS0	1	144	5720	17.88	22.93	2.542	0.5	Pass
HT20	MCS 0	1	149	5745	17.83	22.78	16.15	0.5	Pass
HT20	MCS 0	1	157	5785	17.83	22.83	16.15	0.5	Pass
HT20	MCS 0	1	165	5825	17.88	22.83	15.95	0.5	Pass
HT40	MCS0	1	142	5710	36.56	41.36	3.179	0.5	Pass
HT40	MCS 0	1	151	5755	36.56	41.45	35.28	0.5	Pass
HT40	MCS 0	1	159	5795	36.66	41.63	35.28	0.5	Pass
VHT80	MCS0	1	138	5690	75.76	83.28	2.56	0.5	Pass
VHT80	MCS 0	1	155	5775	75.76	84.08	75.2	0.5	Pass

TEST RESULTS DATA
Average Power Table

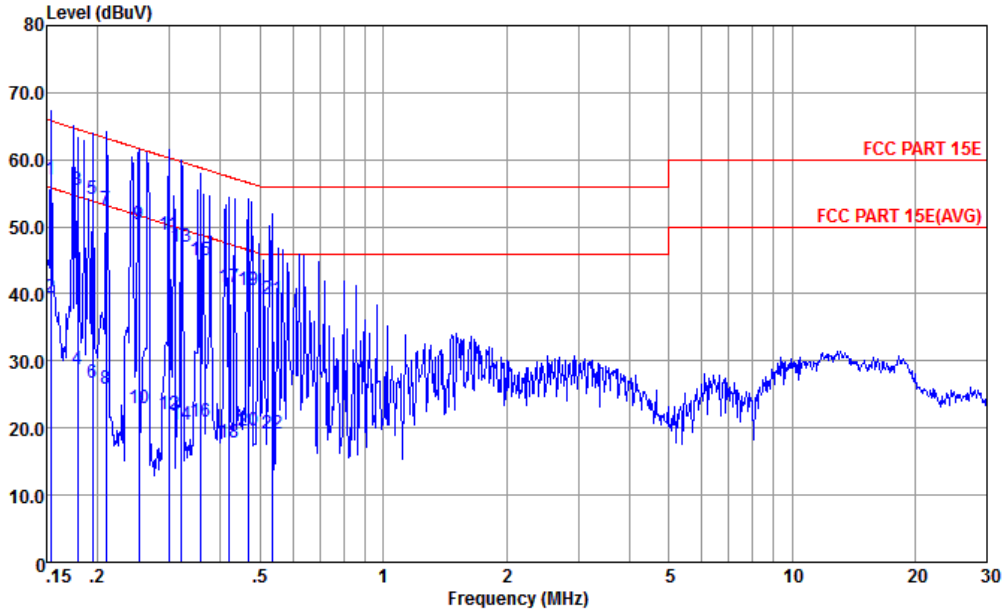
U-NII-3										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6M bps	1	149	5745	-	12.28	30.00	-1.10		Pass
11a	6Mbps	1	157	5785	-	12.48	30.00	-1.10		Pass
11a	6Mbps	1	165	5825	-	12.81	30.00	-1.10		Pass
HT20	MCS 0	1	149	5745	-	12.25	30.00	-1.10		Pass
HT20	MCS 0	1	157	5785	-	12.66	30.00	-1.10		Pass
HT20	MCS 0	1	165	5825	-	12.74	30.00	-1.10		Pass
HT40	MCS 0	1	151	5755	0.16	12.56	30.00	-1.10		Pass
HT40	MCS 0	1	159	5795	0.16	12.84	30.00	-1.10		Pass
VHT20	MCS 0	1	149	5745	-	12.36	30.00	-1.10		Pass
VHT20	MCS 0	1	157	5785	-	12.44	30.00	-1.10		Pass
VHT20	MCS 0	1	165	5825	-	12.70	30.00	-1.10		Pass
VHT40	MCS 0	1	151	5755	0.16	12.50	30.00	-1.10		Pass
VHT40	MCS 0	1	159	5795	0.16	12.64	30.00	-1.10		Pass
VHT80	MCS 0	1	155	5775	0.31	12.06	30.00	-1.10		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	10log (500kHz /RBW) Factor (dB)	Average Power Density (dBm/500kHz)	Average PSD Limit (dBm/500kHz)	DG (dBi)	Pass/Fail
11a	6M bps	1	149	5745	-	2.22	-1.60	30.00	-1.10	Pass
11a	6Mbps	1	157	5785	-	2.22	-1.51	30.00	-1.10	Pass
11a	6Mbps	1	165	5825	-	2.22	-1.15	30.00	-1.10	Pass
HT20	MCS 0	1	149	5745	-	2.22	-2.17	30.00	-1.10	Pass
HT20	MCS 0	1	157	5785	-	2.22	-2.01	30.00	-1.10	Pass
HT20	MCS 0	1	165	5825	-	2.22	-1.54	30.00	-1.10	Pass
HT40	MCS 0	1	151	5755	0.16	2.22	-4.80	30.00	-1.10	Pass
HT40	MCS 0	1	159	5795	0.16	2.22	-4.66	30.00	-1.10	Pass
VHT80	MCS 0	1	155	5775	0.31	2.22	-7.63	30.00	-1.10	Pass

Appendix B. AC Conducted Emission Test Results

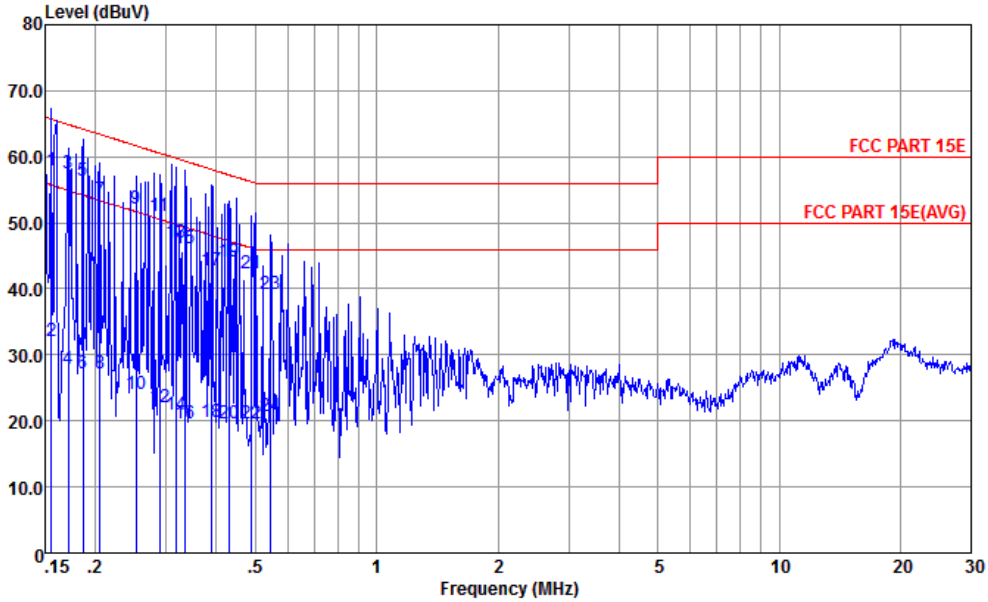
Test Engineer :	Amos Zhang	**Temperature :**	25.3~26.2℃
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : FCC PART 15E LISN-L-060105-CN02 LINE
Project : (FZ) 1O1906
mode : Mode 1

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	*	0.153	57.14	-8.68	65.82	46.60	0.07	10.47	QP
2		0.153	39.34	-16.48	55.82	28.80	0.07	10.47	Average
3		0.179	55.39	-9.16	64.55	44.90	0.08	10.41	QP
4		0.179	28.69	-25.86	54.55	18.20	0.08	10.41	Average
5		0.194	54.26	-9.58	63.84	43.80	0.09	10.37	QP
6		0.194	26.76	-27.08	53.84	16.30	0.09	10.37	Average
7		0.209	52.55	-10.68	63.23	42.10	0.09	10.36	QP
8		0.209	25.95	-27.28	53.23	15.50	0.09	10.36	Average
9		0.252	50.33	-11.36	61.69	39.90	0.10	10.33	QP
10		0.252	22.93	-28.76	51.69	12.50	0.10	10.33	Average
11		0.299	48.91	-11.37	60.28	38.49	0.11	10.31	QP
12		0.299	22.01	-28.27	50.28	11.59	0.11	10.31	Average
13		0.320	47.01	-12.70	59.71	36.60	0.11	10.30	QP
14		0.320	20.61	-29.10	49.71	10.20	0.11	10.30	Average
15		0.356	45.00	-13.83	58.83	34.61	0.11	10.28	QP
16		0.356	21.00	-27.83	48.83	10.61	0.11	10.28	Average
17		0.419	40.98	-16.48	57.46	30.60	0.12	10.26	QP
18		0.419	17.88	-29.58	47.46	7.50	0.12	10.26	Average
19		0.466	40.57	-16.01	56.58	30.20	0.13	10.24	QP
20		0.466	19.57	-27.01	46.58	9.20	0.13	10.24	Average
21		0.535	39.17	-16.83	56.00	28.79	0.14	10.24	QP
22		0.535	19.17	-26.83	46.00	8.79	0.14	10.24	Average

Test Engineer :	Amos Zhang	**Temperature :**	25.3~26.2℃
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : FCC PART 15E LISN-N-060105-CN02 NEUTRAL
Project : (FZ) 1O1906
mode : Mode 1

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.156	58.02	-7.67	65.69	47.40	0.15	10.47	QP
2		0.156	32.12	-23.57	55.69	21.50	0.15	10.47	Average
3	*	0.171	57.38	-7.52	64.90	46.79	0.16	10.43	QP
4		0.171	27.78	-27.12	54.90	17.19	0.16	10.43	Average
5		0.186	56.35	-7.85	64.20	45.80	0.16	10.39	QP
6		0.186	27.15	-27.05	54.20	16.60	0.16	10.39	Average
7		0.205	53.43	-9.97	63.40	42.90	0.17	10.36	QP
8		0.205	27.13	-26.27	53.40	16.60	0.17	10.36	Average
9		0.252	52.11	-9.58	61.69	41.60	0.18	10.33	QP
10		0.252	24.01	-27.68	51.69	13.50	0.18	10.33	Average
11		0.289	51.10	-9.44	60.54	40.60	0.19	10.31	QP
12		0.289	22.10	-28.44	50.54	11.60	0.19	10.31	Average
13		0.317	47.10	-12.70	59.80	36.60	0.20	10.30	QP
14		0.317	21.00	-28.80	49.80	10.50	0.20	10.30	Average
15		0.334	46.09	-13.26	59.35	35.60	0.20	10.29	QP
16		0.334	19.69	-29.66	49.35	9.20	0.20	10.29	Average
17		0.389	42.68	-15.40	58.08	32.20	0.21	10.27	QP
18		0.389	19.78	-28.30	48.08	9.30	0.21	10.27	Average
19		0.428	44.08	-13.21	57.29	33.60	0.22	10.26	QP
20		0.428	19.68	-27.61	47.29	9.20	0.22	10.26	Average
21		0.489	42.27	-13.92	56.19	31.80	0.23	10.24	QP
22		0.489	19.67	-26.52	46.19	9.20	0.23	10.24	Average
23		0.546	39.27	-16.73	56.00	28.79	0.24	10.24	QP
24		0.546	20.77	-25.23	46.00	10.29	0.24	10.24	Average

Note:

1. Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
2. Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)

Appendix C. Radiated Spurious Emission

Test Engineer :	Henzy Li	Temperature :	27~30°C
		Relative Humidity :	41~45%

UNII 3 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5614	56.44	-11.86	68.3	41.54	35.47	12.05	32.62	249	303	P	H
		5693.6	56.49	-44.09	100.58	41.53	35.59	12.12	32.75	249	303	P	H
		5701.6	56.34	-49.41	105.75	41.34	35.62	12.13	32.75	249	303	P	H
		5724.4	57.55	-63.38	120.93	42.61	35.65	12.15	32.86	249	303	P	H
		5746	104.13	-	-	89.26	35.68	12.16	32.97	249	303	P	H
		5746	96.52	-	-	81.65	35.68	12.16	32.97	249	303	A	H
		5612	56.68	-11.62	68.3	41.78	35.47	12.05	32.62	299	265	P	V
		5678.8	57.17	-32.48	89.65	42.14	35.56	12.1	32.63	299	265	P	V
		5711.6	56.22	-52.33	108.55	41.22	35.62	12.13	32.75	299	265	P	V
		5722	57.91	-57.55	115.46	42.97	35.65	12.15	32.86	299	265	P	V
		5746	103.21	-	-	88.34	35.68	12.16	32.97	299	265	P	V
		5746	96.02	-	-	81.15	35.68	12.16	32.97	299	265	A	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 165 5825MHz		5850.4	65.71	-55.68	121.39	51.02	35.87	12.25	33.43	180	307	P	H
		5856.4	63.7	-46.81	110.51	48.97	35.9	12.26	33.43	180	307	P	H
		5881.2	56.34	-44.35	100.69	41.66	35.89	12.28	33.49	180	307	P	H
		5939.6	56.16	-12.14	68.3	41.56	35.86	12.34	33.6	180	307	P	H
		5824	104.37	-	-	89.61	35.84	12.24	33.32	180	307	P	H
		5824	97.27	-	-	82.51	35.84	12.24	33.32	180	307	A	H
		5852.4	58.44	-58.39	116.83	43.75	35.87	12.25	33.43	317	270	P	V
		5856	61.53	-49.09	110.62	46.8	35.9	12.26	33.43	317	270	P	V
		5886.4	57.07	-39.77	96.84	42.39	35.89	12.28	33.49	317	270	P	V
		5957.2	56.35	-11.95	68.3	41.81	35.85	12.35	33.66	317	270	P	V
		5824	103.61	-	-	88.85	35.84	12.24	33.32	317	270	P	V
		5824	96.64	-	-	81.88	35.84	12.24	33.32	317	270	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII 3 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11489.48	44.35	-29.65	74	48.47	38.69	17.62	60.43	300	0	P	H
		11489.48	44.79	-29.21	74	48.91	38.69	17.62	60.43	300	0	P	V
802.11a CH 157 5785MHz		11569.56	45.69	-28.31	74	49.65	38.74	17.68	60.38	300	0	P	H
		11569.56	45.75	-28.25	74	49.71	38.74	17.68	60.38	300	0	P	V
802.11a CH 165 5825MHz		11649.64	45.43	-28.57	74	49.26	38.78	17.72	60.33	300	0	P	H
		11649.64	45.92	-28.08	74	49.75	38.78	17.72	60.33	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII 3 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		5647.2	56.92	-11.38	68.3	41.86	35.5	12.08	32.52	243	306	P	H
		5698	55.83	-48	103.83	40.87	35.59	12.12	32.75	243	306	P	H
		5715.6	58.69	-50.98	109.67	43.8	35.62	12.13	32.86	243	306	P	H
		5724.8	57.75	-64.09	121.84	42.81	35.65	12.15	32.86	243	306	P	H
		5740	103.08	-	-	88.21	35.68	12.16	32.97	243	306	P	H
		5740	95.73	-	-	80.86	35.68	12.16	32.97	243	306	A	H
		5601.2	56.59	-11.71	68.3	41.79	35.47	12.05	32.72	299	259	P	V
		5652.4	56.16	-13.92	70.08	41.06	35.53	12.09	32.52	299	259	P	V
		5717.6	57.91	-52.32	110.23	42.97	35.65	12.15	32.86	299	259	P	V
		5723.6	56.53	-62.58	119.11	41.59	35.65	12.15	32.86	299	259	P	V
		5746	103.23	-	-	88.36	35.68	12.16	32.97	299	259	P	V
		5746	95.66	-	-	80.79	35.68	12.16	32.97	299	259	A	V
802.11n HT20 CH 165 5825MHz		5850.1	57.94	-64.13	122.07	43.25	35.87	12.25	33.43	175	313	P	H
		5858.8	57.42	-52.41	109.83	42.69	35.9	12.26	33.43	175	313	P	H
		5898.4	56.99	-30.96	87.95	42.36	35.88	12.29	33.54	175	313	P	H
		5949.2	55.28	-13.02	68.3	40.74	35.86	12.34	33.66	175	313	P	H
		5830	103.19	-	-	88.43	35.84	12.24	33.32	175	313	P	H
		5830	96.32	-	-	81.56	35.84	12.24	33.32	175	313	A	H
		5851.2	61.99	-57.57	119.56	47.3	35.87	12.25	33.43	292	269	P	V
		5868	56.87	-50.39	107.26	42.14	35.9	12.26	33.43	292	269	P	V
		5895.6	56.48	-33.54	90.02	41.85	35.88	12.29	33.54	292	269	P	V
		5934.4	55.48	-12.82	68.3	40.89	35.87	12.32	33.6	292	269	P	V
		5824	103.99	-	-	89.23	35.84	12.24	33.32	292	269	P	V
		5824	96.13	-	-	81.37	35.84	12.24	33.32	292	269	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII 3 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		11489.48	45.2	-28.8	74	49.32	38.69	17.62	60.43	300	0	P	H
		11489.48	44.63	-29.37	74	48.75	38.69	17.62	60.43	300	0	P	V
802.11n HT20 CH 157 5785MHz		11569.56	45.65	-28.35	74	49.61	38.74	17.68	60.38	300	0	P	H
		11569.56	45.38	-28.62	74	49.34	38.74	17.68	60.38	300	0	P	V
802.11n HT20 CH 165 5825MHz		11649.64	44.97	-29.03	74	48.8	38.78	17.72	60.33	300	0	P	H
		11649.64	45.28	-28.72	74	49.11	38.78	17.72	60.33	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII 3 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5615.6	56.15	-12.15	68.3	41.23	35.48	12.06	32.62	166	305	P	H
		5678.4	56.64	-32.72	89.36	41.61	35.56	12.1	32.63	166	305	P	H
		5710	60.29	-47.81	108.1	45.29	35.62	12.13	32.75	166	305	P	H
		5724.4	61.04	-59.89	120.93	46.1	35.65	12.15	32.86	166	305	P	H
		5854.8	55.57	-55.79	111.36	40.84	35.9	12.26	33.43	166	305	P	H
		5855.1	55.57	-55.3	110.87	40.84	35.9	12.26	33.43	166	305	P	H
		5924.8	55.38	-13.07	68.45	40.79	35.87	12.32	33.6	166	305	P	H
		5933.2	55.7	-12.6	68.3	41.11	35.87	12.32	33.6	166	305	P	H
802.11n		5758	101.68	-	-	86.75	35.72	12.18	32.97	166	305	P	H
HT40		5758	93.65	-	-	78.72	35.72	12.18	32.97	166	305	A	H
CH 151		5606.4	55.81	-12.49	68.3	41.01	35.47	12.05	32.72	289	278	P	V
5755MHz		5675.2	56.62	-30.37	86.99	41.59	35.56	12.1	32.63	289	278	P	V
		5717.6	59.88	-50.35	110.23	44.94	35.65	12.15	32.86	289	278	P	V
		5721.2	59.95	-53.69	113.64	45.01	35.65	12.15	32.86	289	278	P	V
		5854.8	54.69	-56.67	111.36	39.96	35.9	12.26	33.43	289	278	P	V
		5872.4	55.5	-50.53	106.03	40.82	35.89	12.28	33.49	289	278	P	V
		5891.2	56.47	-36.81	93.28	41.79	35.88	12.29	33.49	289	278	P	V
		5935.6	55.02	-13.28	68.3	40.43	35.87	12.32	33.6	289	278	P	V
		5752	98.72	-	-	83.79	35.72	12.18	32.97	289	278	P	V
		5752	91.44	-	-	76.51	35.72	12.18	32.97	289	278	A	V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5615.2	56.31	-11.99	68.3	41.41	35.47	12.05	32.62	174	305	P	H
		5675.2	55.91	-31.08	86.99	40.88	35.56	12.1	32.63	174	305	P	H
		5718.8	56.2	-54.36	110.56	41.26	35.65	12.15	32.86	174	305	P	H
		5724.8	56.99	-64.85	121.84	42.05	35.65	12.15	32.86	174	305	P	H
		5850.1	56.48	-65.59	122.07	41.79	35.87	12.25	33.43	174	305	P	H
		5855.6	57.37	-53.36	110.73	42.64	35.9	12.26	33.43	174	305	P	H
		5924	56.04	-13	69.04	41.45	35.87	12.32	33.6	174	305	P	H
		5940.4	55.59	-12.71	68.3	40.99	35.86	12.34	33.6	174	305	P	H
802.11n		5800	102.26	-	-	87.47	35.78	12.21	33.2	174	305	P	H
HT40		5800	94.19	-	-	79.4	35.78	12.21	33.2	174	305	A	H
CH 159		5612.4	57.63	-10.67	68.3	42.73	35.47	12.05	32.62	243	260	P	V
5795MHz		5695.6	56.35	-45.71	102.06	41.39	35.59	12.12	32.75	243	260	P	V
		5715.6	56	-53.67	109.67	41.11	35.62	12.13	32.86	243	260	P	V
		5723.2	56.75	-61.45	118.2	41.81	35.65	12.15	32.86	243	260	P	V
		5854	56.83	-56.35	113.18	42.1	35.9	12.26	33.43	243	260	P	V
		5856.4	56.91	-53.6	110.51	42.18	35.9	12.26	33.43	243	260	P	V
		5895.6	56.23	-33.79	90.02	41.6	35.88	12.29	33.54	243	260	P	V
		5974	56.18	-12.12	68.3	41.68	35.84	12.37	33.71	243	260	P	V
		5806	100.19	-	-	85.36	35.81	12.22	33.2	243	260	P	V
		5806	93.29	-	-	78.46	35.81	12.22	33.2	243	260	A	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

UNII 3 5725~5850MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 151 5755MHz		11509.5	45.58	-28.42	74	49.68	38.7	17.63	60.43	300	0	P	H
		11509.5	44.65	-29.35	74	48.75	38.7	17.63	60.43	300	0	P	V
802.11n HT40 CH 159 5795MHz		11589.58	44.64	-29.36	74	48.57	38.75	17.69	60.37	300	0	P	H
		11589.58	44.66	-29.34	74	48.59	38.75	17.69	60.37	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII 3 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5630.4	56.95	-11.35	68.3	42.03	35.48	12.06	32.62	300	13	P	H
		5695.6	62.3	-39.76	102.06	47.34	35.59	12.12	32.75	300	13	P	H
		5710.4	64.29	-43.92	108.21	49.29	35.62	12.13	32.75	300	13	P	H
		5720.4	64.7	-47.11	111.81	49.76	35.65	12.15	32.86	300	13	P	H
		5853.2	63.33	-51.67	115	48.64	35.87	12.25	33.43	300	13	P	H
		5855.6	61.54	-49.19	110.73	46.81	35.9	12.26	33.43	300	13	P	H
		5877.2	58.54	-45.13	103.67	43.86	35.89	12.28	33.49	300	13	P	H
		5934.4	55.44	-12.86	68.3	40.85	35.87	12.32	33.6	300	13	P	H
802.11ac		5770	96.92	-	-	82.07	35.75	12.19	33.09	300	13	P	H
VHT80		5770	89.27	-	-	74.42	35.75	12.19	33.09	300	13	A	H
CH 155		5627.2	56.13	-12.17	68.3	41.21	35.48	12.06	32.62	301	288	P	V
5775MHz		5698.8	63.18	-41.24	104.42	48.22	35.59	12.12	32.75	301	288	P	V
		5719.2	65.82	-44.86	110.68	50.88	35.65	12.15	32.86	301	288	P	V
		5724.8	64.75	-57.09	121.84	49.81	35.65	12.15	32.86	301	288	P	V
		5851.2	63.93	-55.63	119.56	49.24	35.87	12.25	33.43	301	288	P	V
		5857.2	62.2	-48.08	110.28	47.47	35.9	12.26	33.43	301	288	P	V
		5876.8	57.47	-46.49	103.96	42.79	35.89	12.28	33.49	301	288	P	V
		5928.4	55.17	-13.13	68.3	40.58	35.87	12.32	33.6	301	288	P	V
		5776	95.86	-	-	81.01	35.75	12.19	33.09	301	288	P	V
		5776	88.52	-	-	73.67	35.75	12.19	33.09	301	288	A	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

UNII 3 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz		11549.54	46.15	-27.85	74	50.15	38.73	17.66	60.39	300	0	P	H
		11549.54	45.31	-28.69	74	49.31	38.73	17.66	60.39	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII 3 5725~5850MHz

Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		40.67	31.14	-8.86	40	50.68	19.38	0.96	39.88	-	-	P	H
		46.49	32.16	-7.84	40	54.52	16.53	1.03	39.92	-	-	P	H
		110.51	27.58	-15.92	43.5	46.83	17.97	1.59	38.81	-	-	P	H
		127	27.26	-16.24	43.5	46.78	17.78	1.71	39.01	-	-	P	H
		186.17	32.38	-11.12	43.5	52.4	16.63	2.07	38.72	-	-	P	H
		238.55	32.56	-13.44	46	50.02	18.68	2.36	38.5	-	-	P	H
		39.7	33.3	-6.7	40	52.33	19.9	0.94	39.87	-	-	P	V
		46.49	32.95	-7.05	40	55.31	16.53	1.03	39.92	-	-	P	V
		109.54	29.46	-14.04	43.5	48.7	17.98	1.58	38.8	-	-	P	V
		187.14	31.83	-11.67	43.5	51.84	16.61	2.08	38.7	-	-	P	V
		230.79	30.74	-15.26	46	48.71	18.21	2.32	38.5	-	-	P	V
		831.22	30.73	-15.27	46	32.52	27.09	4.4	33.28	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

*	**Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is **over limit** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.

Appendix D. Radiated Spurious Emission Plots

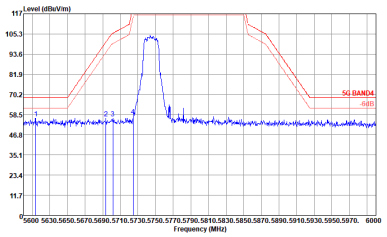
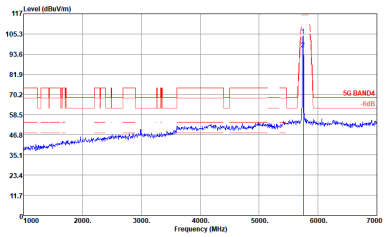
Test Engineer :	Henzy Li	**Temperature :**	27~30°C
		Relative Humidity :	41~45%

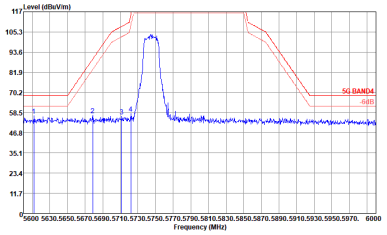
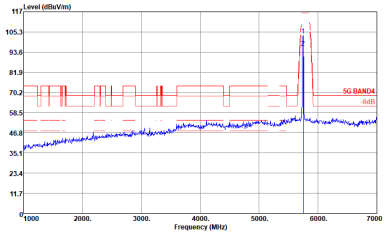
Note symbol

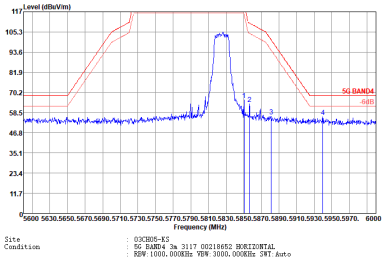
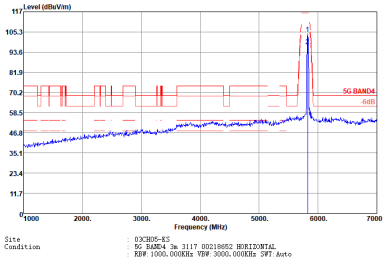
-L	**Low channel location**
-R	**High channel location**

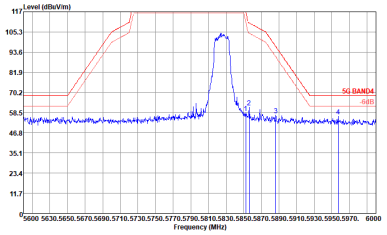
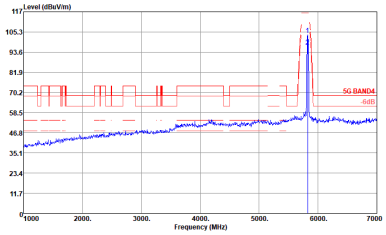
UNII 3 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

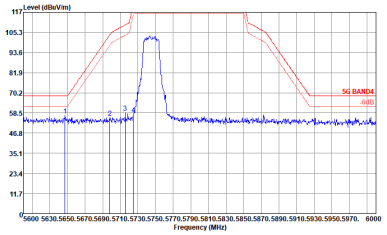
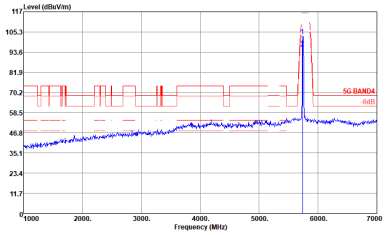
WIFI	UNII 3 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5614.00 56.44 -11.86 68.30 41.54 35.47 12.05 32.62 249 303 Peak HORIZONT 2 5693.60 56.49 -44.09 100.58 41.53 35.59 12.12 32.75 249 303 Peak HORIZONT 3 5701.60 56.54 -49.41 105.75 41.34 35.62 12.13 32.75 249 303 Peak HORIZONT 4 5724.40 57.55 -63.38 120.93 42.61 35.65 12.15 32.86 249 303 Peak HORIZONT	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5746.00 104.13 -18.17 122.30 89.26 35.68 12.16 32.97 249 303 Peak HORIZONT 2 5746.00 96.52 ------ ------ 81.65 35.68 12.16 32.97 249 303 Average HORIZONT

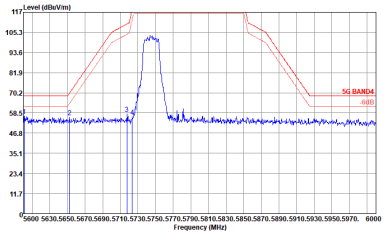
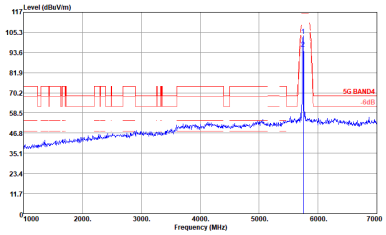
WIFI	UNII 3 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark / Pol/Phas MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5612.00 56.68 -11.62 68.30 41.78 35.47 12.05 32.62 299 265 Peak VERTICAL 2 5678.00 57.17 -32.48 89.65 42.14 35.56 12.10 32.63 299 265 Peak VERTICAL 3 5711.60 56.22 -52.33 108.55 41.22 35.62 12.13 32.75 299 265 Peak VERTICAL 4 5722.00 57.91 -57.55 115.46 42.97 35.65 12.15 32.86 299 265 Peak VERTICAL	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark / Pol/Phas MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5746.00 103.21 -19.09 122.30 88.34 35.68 12.16 32.97 299 265 Peak VERTICAL 2 5746.00 96.02 ------ ------ 81.15 35.68 12.16 32.97 299 265 Average VERTICAL

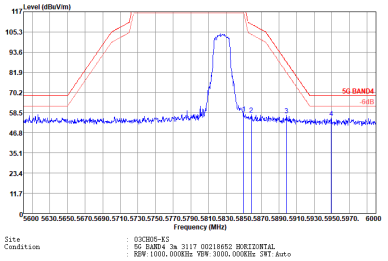
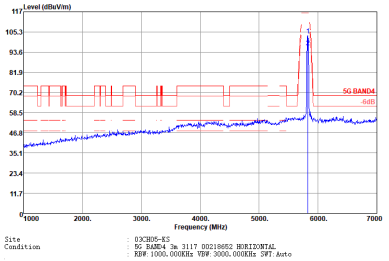
WIFI	UNII 3 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5850.40 65.71 -55.68 121.39 51.02 35.87 12.25 33.43 180 307 Peak HORIZONT 2 5856.40 63.70 -46.81 110.51 48.97 35.90 12.26 33.43 180 307 Peak HORIZONT 3 5881.20 56.54 -44.35 100.89 41.66 35.89 12.28 33.49 180 307 Peak HORIZONT 4 5939.60 56.16 -12.14 68.30 41.56 35.86 12.34 33.60 180 307 Peak HORIZONT	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5824.00 104.37 -17.93 122.30 89.61 35.84 12.24 33.32 180 307 Peak HORIZONT 2 5824.00 97.27 ------ ------ 82.51 35.84 12.24 33.32 180 307 Average HORIZONT

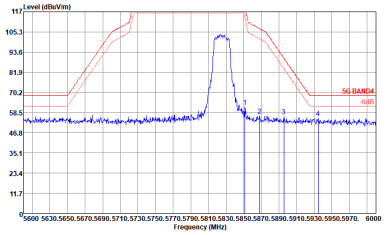
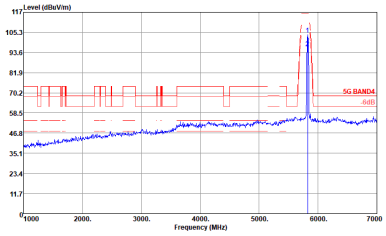
WIFI	UNII 3 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5852.40 58.44 -58.39 116.83 43.75 35.87 12.25 33.43 317 270 Peak VERTICAL 2 5856.00 61.53 -49.09 110.62 46.80 35.90 12.26 33.43 317 270 Peak VERTICAL 3 5886.40 57.07 -39.77 96.84 42.39 35.89 12.28 33.49 317 270 Peak VERTICAL 4 5957.20 56.35 -11.95 68.30 41.81 35.85 12.35 33.66 317 270 Peak VERTICAL	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5824.00 103.61 -18.69 122.30 88.85 35.84 12.24 33.32 317 270 Peak VERTICAL 2 5824.00 96.64 ------ ------ 81.88 35.84 12.24 33.32 317 270 Average VERTICAL

UNII 3 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

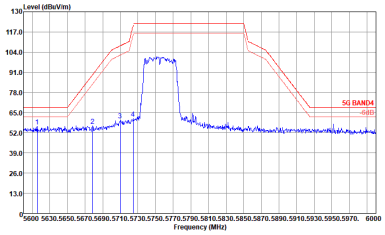
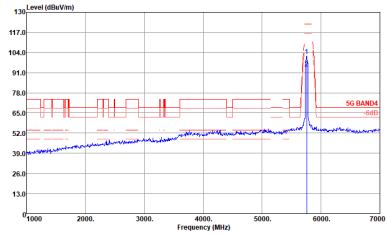
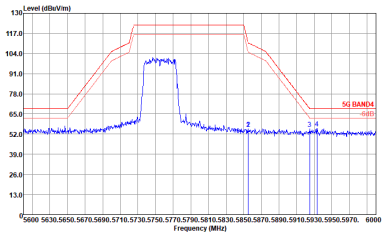
WIFI	UNII 3 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5647.20 56.92 -11.38 68.30 41.86 35.50 12.08 32.52 243 306 Peak HORIZONT 2 5690.00 55.83 -48.00 103.83 40.87 35.59 12.12 32.75 243 306 Peak HORIZONT 3 5715.60 58.69 -50.98 109.67 43.80 35.62 12.13 32.86 243 306 Peak HORIZONT 4 5724.80 57.75 -64.09 121.84 42.81 35.65 12.15 32.86 243 306 Peak HORIZONT	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5740.00 103.08 -19.22 122.30 88.21 35.68 12.16 32.97 243 306 Peak HORIZONT 2 5740.00 95.73 ------ ------ 80.86 35.68 12.16 32.97 243 306 Average HORIZONT

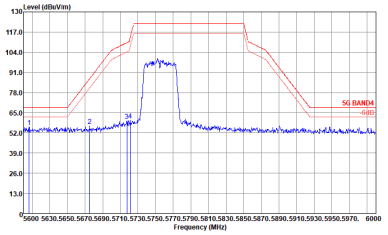
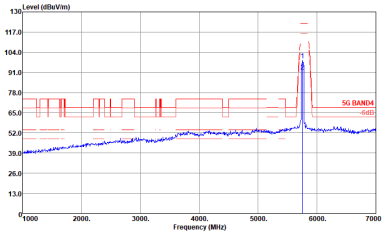
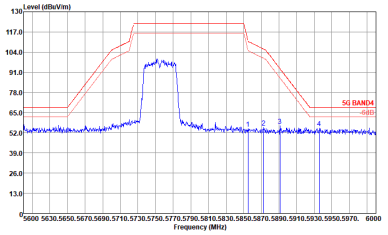
WIFI	UNII 3 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Vertical	Fundamental
Peak	 Freq Level Over Limit Limit Read Level Antenna Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5601.20 56.59 -11.71 68.30 41.79 35.47 12.05 32.72 299 259 Peak VERTICAL 2 5652.40 56.16 -13.92 70.08 41.86 35.53 12.09 32.52 299 259 Peak VERTICAL 3 5717.60 57.91 -52.32 110.23 42.97 35.65 12.15 32.86 299 259 Peak VERTICAL 4 5723.60 56.53 -62.58 119.11 41.59 35.65 12.15 32.86 299 259 Peak VERTICAL	 Freq Level Over Limit Limit Read Level Antenna Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5746.00 103.23 -19.07 122.30 88.36 35.68 12.16 32.97 299 259 Peak VERTICAL 2 5746.00 95.66 ------ ------ 80.79 35.68 12.16 32.97 299 259 Average VERTICAL

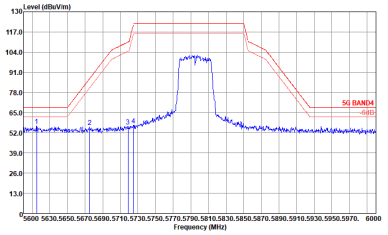
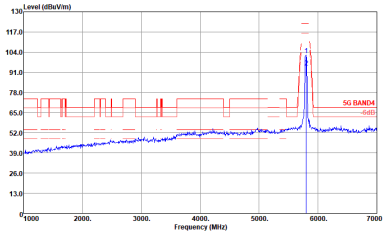
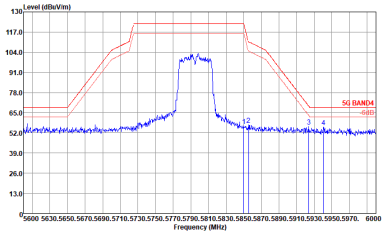
WIFI	UNII 3 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW 1000.000KHz VBW 3000.000KHz SWT Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5850.10 57.94 -64.13 122.07 43.25 35.87 12.25 33.43 175 313 Peak HORIZONT 2 5858.80 57.42 -52.41 109.83 42.69 35.90 12.26 33.43 175 313 Peak HORIZONT 3 5898.40 56.99 -30.96 87.95 42.36 35.88 12.29 33.54 175 313 Peak HORIZONT 4 5949.20 55.28 -13.02 68.30 40.74 35.86 12.34 33.66 175 313 Peak HORIZONT	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW 1000.000KHz VBW 3000.000KHz SWT Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5830.00 103.19 -19.11 122.30 88.43 35.84 12.24 33.32 175 313 Peak HORIZONT 2 5830.00 96.32 ------ ------ 81.56 35.84 12.24 33.32 175 313 Average HORIZONT

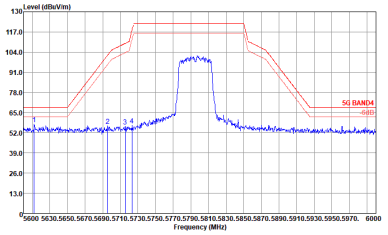
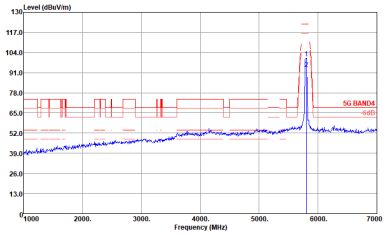
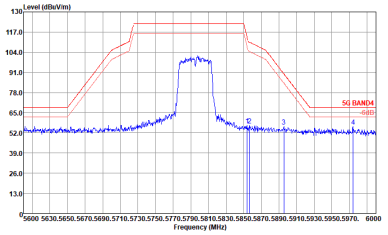
WIFI	UNII 3 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5851.20 61.99 -57.57 119.56 47.30 35.87 12.25 33.43 292 269 Peak VERTICAL 2 5868.00 56.87 -50.39 107.26 42.14 35.90 12.26 33.43 292 269 Peak VERTICAL 3 5895.60 56.48 -33.54 90.02 41.85 35.88 12.29 33.54 292 269 Peak VERTICAL 4 5934.40 55.48 -12.82 68.30 40.89 35.87 12.32 33.60 292 269 Peak VERTICAL	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5824.00 103.99 -18.31 122.30 89.23 35.84 12.24 33.32 292 269 Peak VERTICAL 2 5824.00 96.13 ------ ------ 81.37 35.84 12.24 33.32 292 269 Average VERTICAL

UNII 3 5725~5850MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

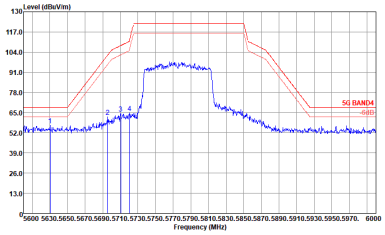
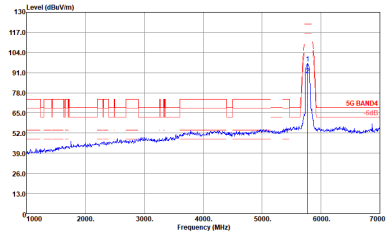
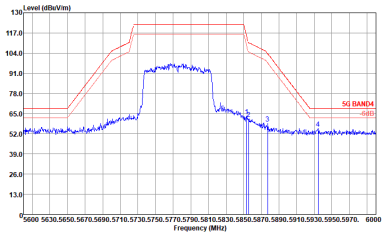
WIFI	UNII 3 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Preamp Loss Factor / A/Pos / T/Pos / Remark / Pol/Phas MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5615.60 56.15 -12.15 68.30 41.23 35.48 12.06 32.62 166 305 Peak HORIZONT 2 5678.40 56.64 -32.72 89.36 41.61 35.56 12.10 32.63 166 305 Peak HORIZONT 3 5710.00 60.29 -47.81 108.10 45.29 35.62 12.13 32.75 166 305 Peak HORIZONT 4 5724.40 61.04 -59.89 120.93 46.10 35.65 12.15 32.86 166 305 Peak HORIZONT	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Preamp Loss Factor / A/Pos / T/Pos / Remark / Pol/Phas MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5758.00 101.68 -20.62 122.30 86.75 35.72 12.18 32.97 166 305 Peak HORIZONT 2 5758.00 93.65 ------ ------ 78.72 35.72 12.18 32.97 166 305 Average HORIZONT
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Preamp Loss Factor / A/Pos / T/Pos / Remark / Pol/Phas MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5854.80 55.57 -55.79 111.36 40.84 35.90 12.26 33.43 166 305 Peak HORIZONT 2 5855.10 55.57 -55.30 110.87 40.84 35.90 12.26 33.43 166 305 Peak HORIZONT 3 5924.80 55.30 -13.07 68.45 40.79 35.87 12.32 33.60 166 305 Peak HORIZONT 4 5933.20 55.70 -12.60 68.30 41.11 35.87 12.32 33.60 166 305 Peak HORIZONT	-

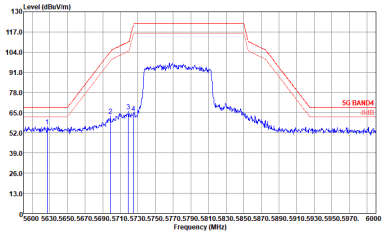
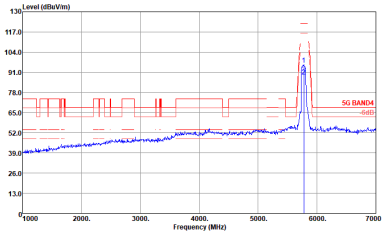
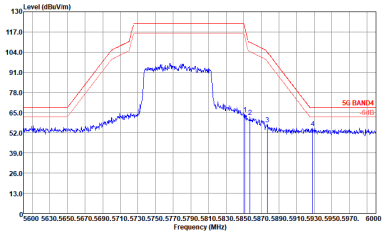
WIFI	UNII 3 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5606.40 55.81 -12.49 68.30 41.01 35.47 12.05 32.72 289 278 Peak VERTICAL 2 5675.20 56.62 -30.37 86.99 41.59 35.56 12.10 32.63 289 278 Peak VERTICAL 3 5717.60 59.88 -50.35 110.23 44.94 35.65 12.15 32.86 289 278 Peak VERTICAL 4 5721.20 59.95 -53.69 113.64 45.01 35.65 12.15 32.86 289 278 Peak VERTICAL	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5752.00 98.72 -23.58 122.30 83.79 35.72 12.18 32.97 289 278 Peak VERTICAL 2 5752.00 91.44 ------ ------ 76.51 35.72 12.18 32.97 289 278 Average VERTICAL
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5854.80 54.69 -56.67 111.36 39.96 35.90 12.26 33.43 289 278 Peak VERTICAL 2 5872.40 55.50 -50.53 106.03 40.82 35.89 12.28 33.49 289 278 Peak VERTICAL 3 5891.20 56.47 -36.81 93.28 41.79 35.88 12.29 33.49 289 278 Peak VERTICAL 4 5935.60 55.02 -13.28 68.30 40.43 35.87 12.32 33.60 289 278 Peak VERTICAL	-

WIFI	UNII 3 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5615.20 56.31 -11.99 68.30 41.41 35.47 12.05 32.62 174 305 Peak HORIZONT 2 5675.20 55.91 -31.08 86.99 40.88 35.56 12.10 32.63 174 305 Peak HORIZONT 3 5718.80 56.20 -54.36 110.56 41.26 35.65 12.15 32.86 174 305 Peak HORIZONT 4 5724.80 56.99 -64.85 121.84 42.05 35.65 12.15 32.86 174 305 Peak HORIZONT	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5800.00 102.26 -20.04 122.30 87.47 35.78 12.21 33.20 174 305 Peak HORIZONT 2 5800.00 94.19 ------ ------ 79.40 35.78 12.21 33.20 174 305 Average HORIZONT
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5850.10 56.48 -65.59 122.07 41.79 35.87 12.25 33.43 174 305 Peak HORIZONT 2 5855.60 57.37 -53.36 110.73 42.64 35.90 12.26 33.43 174 305 Peak HORIZONT 3 5924.00 56.04 -13.00 69.04 41.45 35.87 12.32 33.60 174 305 Peak HORIZONT 4 5940.40 55.59 -12.71 68.30 40.99 35.86 12.34 33.60 174 305 Peak HORIZONT	-

WIFI	UNII 3 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5612.40 57.63 -10.67 68.30 42.73 35.47 12.05 32.62 243 260 Peak VERTICAL 2 5695.60 56.35 -45.71 102.06 41.39 35.59 12.12 32.75 243 260 Peak VERTICAL 3 5715.60 56.00 -53.67 109.67 41.11 35.62 12.13 32.86 243 260 Peak VERTICAL 4 5723.20 56.75 -61.45 118.20 41.81 35.65 12.15 32.86 243 260 Peak VERTICAL	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5806.00 100.19 -22.11 122.30 85.36 35.81 12.22 33.20 243 260 Peak VERTICAL 2 5806.00 93.29 ------ ------ 78.46 35.81 12.22 33.20 243 260 Average VERTICAL
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5854.00 56.83 -56.35 113.18 42.10 35.90 12.26 33.43 243 260 Peak VERTICAL 2 5856.40 56.91 -53.60 110.51 42.18 35.90 12.26 33.43 243 260 Peak VERTICAL 3 5895.60 56.23 -33.79 90.02 41.60 35.88 12.29 33.54 243 260 Peak VERTICAL 4 5974.00 56.18 -12.12 68.30 41.68 35.84 12.37 33.71 243 260 Peak VERTICAL	-

UNII 3 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

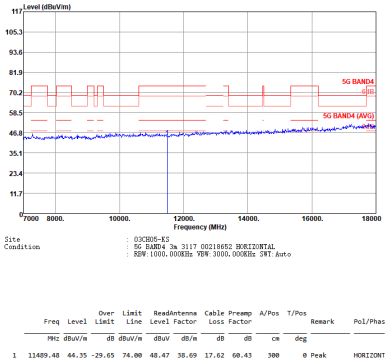
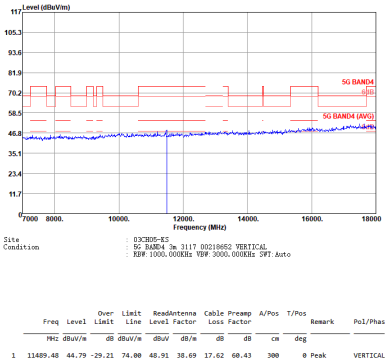
WIFI	UNII 3 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp / A/Pos / T/Pos / Remark / Pol/Phas MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5630.40 56.95 -11.35 68.30 42.03 35.48 12.06 32.62 300 13 Peak HORIZONT 2 5695.60 62.30 -39.76 102.06 47.34 35.59 12.12 32.75 300 13 Peak HORIZONT 3 5710.40 64.29 -43.92 108.21 49.29 35.62 12.13 32.75 300 13 Peak HORIZONT 4 5720.40 64.70 -47.11 111.81 49.76 35.65 12.15 32.86 300 13 Peak HORIZONT	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp / A/Pos / T/Pos / Remark / Pol/Phas MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5770.00 96.92 -25.38 122.30 82.07 35.75 12.19 33.09 300 13 Peak HORIZONT 2 5770.00 89.27 ------ ------ 74.42 35.75 12.19 33.09 300 13 Average HORIZONT
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp / A/Pos / T/Pos / Remark / Pol/Phas MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5853.20 63.33 -51.67 115.00 48.64 35.87 12.25 33.43 300 13 Peak HORIZONT 2 5855.60 61.54 -49.19 110.73 46.81 35.90 12.26 33.43 300 13 Peak HORIZONT 3 5877.20 58.54 -45.13 103.67 43.86 35.89 12.28 33.49 300 13 Peak HORIZONT 4 5934.40 55.44 -12.86 68.30 40.85 35.87 12.32 33.60 300 13 Peak HORIZONT	-

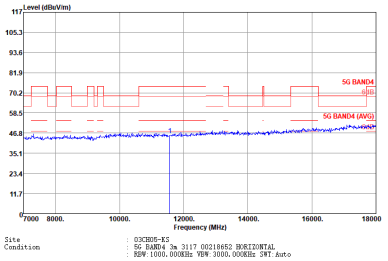
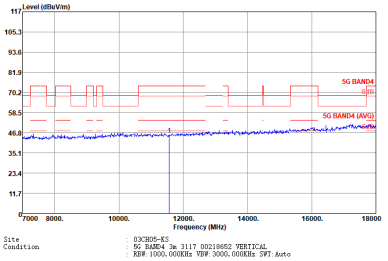
WIFI	UNII 3 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5627.20 56.13 -12.17 68.30 41.21 35.48 12.06 32.62 301 288 Peak VERTICAL 2 5698.80 63.18 -41.24 104.42 48.22 35.59 12.12 32.75 301 288 Peak VERTICAL 3 5719.20 65.82 -44.86 110.68 50.88 35.65 12.15 32.86 301 288 Peak VERTICAL 4 5724.80 64.75 -57.09 121.84 49.81 35.65 12.15 32.86 301 288 Peak VERTICAL	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5776.00 95.86 -26.44 122.30 81.01 35.75 12.19 33.09 301 288 Peak VERTICAL 2 5776.00 88.52 ------ ------ 73.67 35.75 12.19 33.09 301 288 Average VERTICAL
Peak	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5851.20 63.93 -55.63 119.56 49.24 35.87 12.25 33.43 301 288 Peak VERTICAL 2 5857.20 62.20 -48.08 110.28 47.47 35.90 12.26 33.43 301 288 Peak VERTICAL 3 5876.80 57.47 -46.49 103.96 42.79 35.89 12.28 33.49 301 288 Peak VERTICAL 4 5928.40 55.17 -13.13 68.30 40.58 35.87 12.32 33.60 301 288 Peak VERTICAL	-

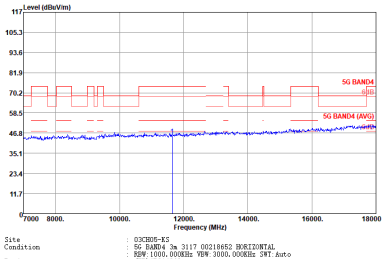
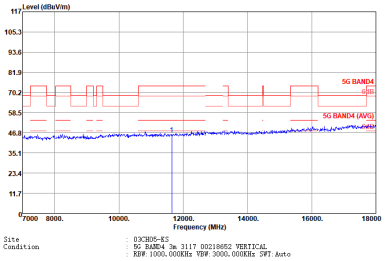
UNII 3 - 5725~5850MHz

UNII 3 - 5725~5850MHz

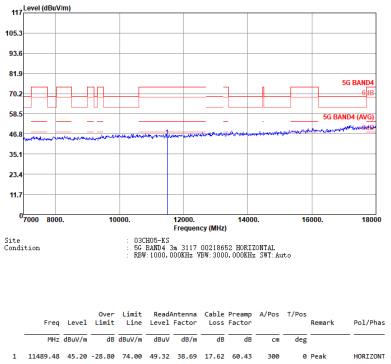
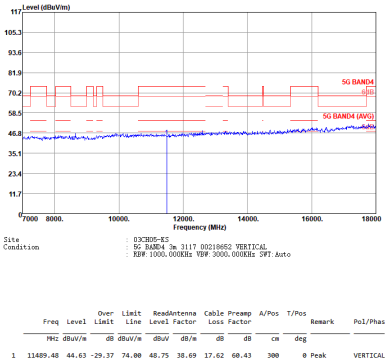
WIFI 802.11a (Harmonic @ 3m)

WIFI	UNII 3 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	UNII 3 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 D0218052 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11569.56 45.69 -28.31 74.00 49.65 38.74 17.68 60.38 300 0 Peak HORIZONT	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 D0218052 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11569.56 45.75 -28.25 74.00 49.71 38.74 17.68 60.38 300 0 Peak VERTICAL

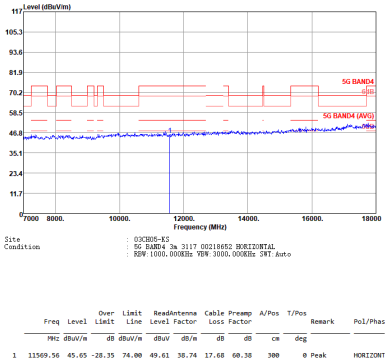
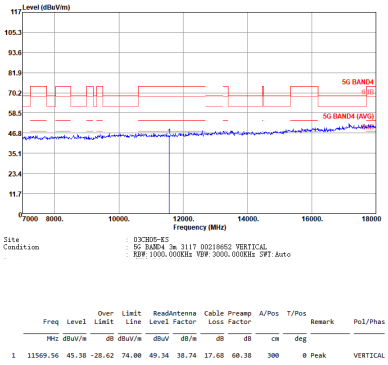
WIFI	UNII 3 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 D0218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11649.64 45.43 -28.57 74.00 49.26 38.78 17.72 60.33 300 0 Peak HORIZONT	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 D0218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11649.64 45.92 -28.08 74.00 49.75 38.78 17.72 60.33 300 0 Peak VERTICAL

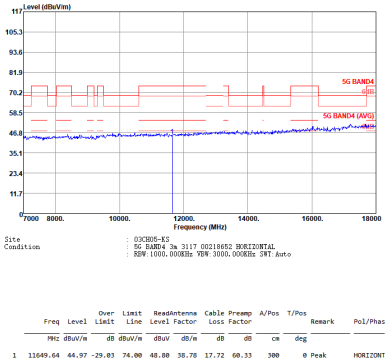
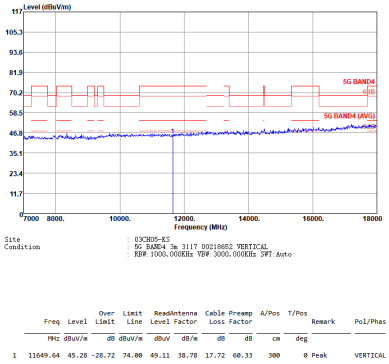
UNII 3 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	UNII 3 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.		

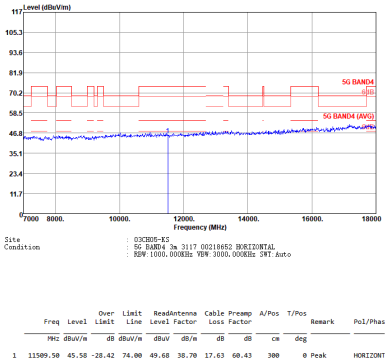
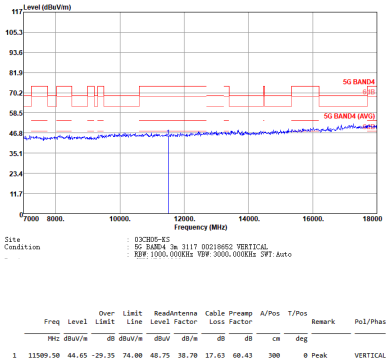
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark	Pol/Phas
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm deg		
1	11489.48	45.20	-28.80	74.00	49.32	38.69	17.62	60.43	300	0 Peak	HORIZONT

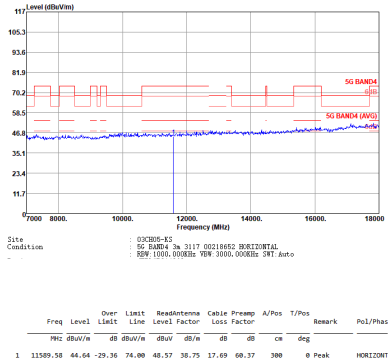
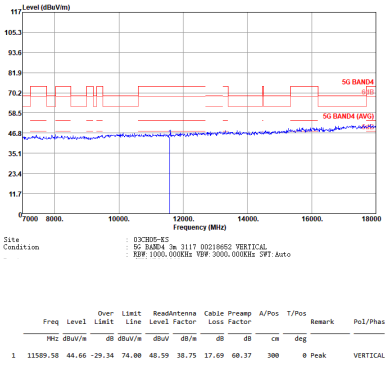
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark	Pol/Phas
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm deg		
1	11489.48	44.63	-29.37	74.00	48.75	38.69	17.62	60.43	300	0 Peak	VERTICAL

WIFI	UNII 3 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.	 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11569.56 45.65 -28.35 74.00 49.61 38.74 17.68 60.38 300 0 Peak HORIZONT	 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11569.56 45.38 -28.62 74.00 49.34 38.74 17.68 60.38 300 0 Peak VERTICAL

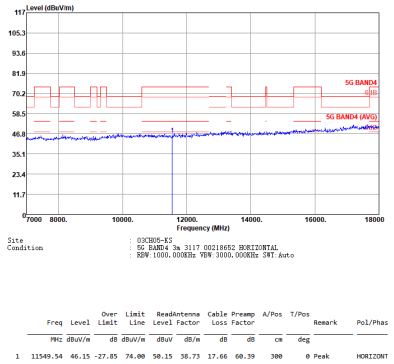
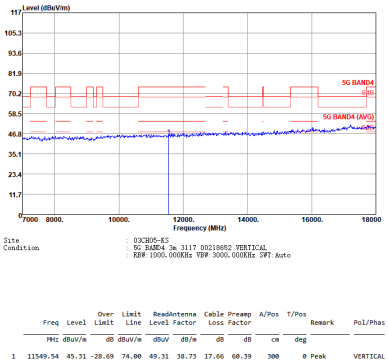
WIFI	UNII 3 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.	 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11649.64 44.97 -29.03 74.00 48.80 38.78 17.72 60.33 300 0 Peak HORIZONT	 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11649.64 45.28 -28.72 74.00 49.11 38.78 17.72 60.33 300 0 Peak VERTICAL

UNII 3 5725~5850MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	UNII 3 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11509.50 45.58 -28.42 74.00 49.68 38.70 17.63 60.43 300 0 Peak HORIZONT	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11509.50 44.65 -29.35 74.00 48.75 38.70 17.63 60.43 300 0 Peak VERTICAL

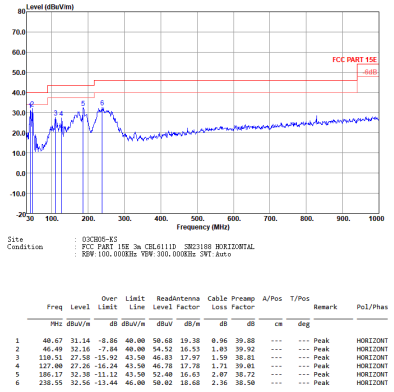
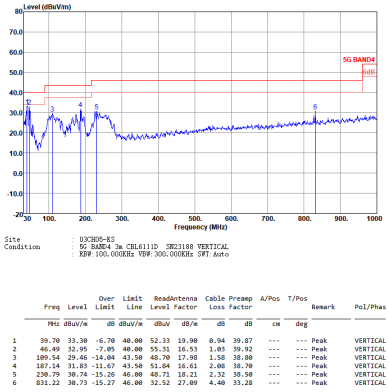
WIFI	UNII 3 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Horizontal	Vertical
Peak Avg.	 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11589.58 44.64 -29.36 74.00 48.57 38.75 17.69 60.37 300 0 Peak HORIZONT	 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11589.58 44.66 -29.34 74.00 48.59 38.75 17.69 60.37 300 0 Peak VERTICAL

UNII 3 5725~5850MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	UNII 3 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Read Level Antenna Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11549.54 46.15 -27.85 74.00 50.15 38.73 17.66 60.39 300 0 Peak HORIZONT	 Site : 03CH05-KS Condition : 5G BAND4 3m 3117 00218652 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Freq Level Over Limit Limit Read Level Antenna Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11549.54 45.31 -28.69 74.00 49.31 38.73 17.66 60.39 300 0 Peak VERTICAL

Emission below 1GHz

5GHz WIFI 802.11n HT40 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1	Horizontal	Vertical
QP / Peak		

Site : 03CH05-KS
Condition : FCC PART 15E 3m CBL6111D SN23188 HORIZONTAL
RBW:100.000KHz VBW:300.000KHz SWT:Auto

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phas
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		
1	40.67	31.14	-8.86	40.00	50.68	19.38	0.96	39.88	---	---	Peak	HORIZONT
2	46.49	32.16	-7.84	40.00	54.52	16.53	1.03	39.92	---	---	Peak	HORIZONT
3	110.51	27.58	-15.92	43.50	46.83	17.97	1.59	38.81	---	---	Peak	HORIZONT
4	127.00	27.26	-16.24	43.50	46.78	17.78	1.71	39.01	---	---	Peak	HORIZONT
5	186.17	32.38	-11.12	43.50	52.40	16.63	2.07	38.72	---	---	Peak	HORIZONT
6	238.55	32.56	-13.44	46.00	50.02	18.68	2.36	38.50	---	---	Peak	HORIZONT

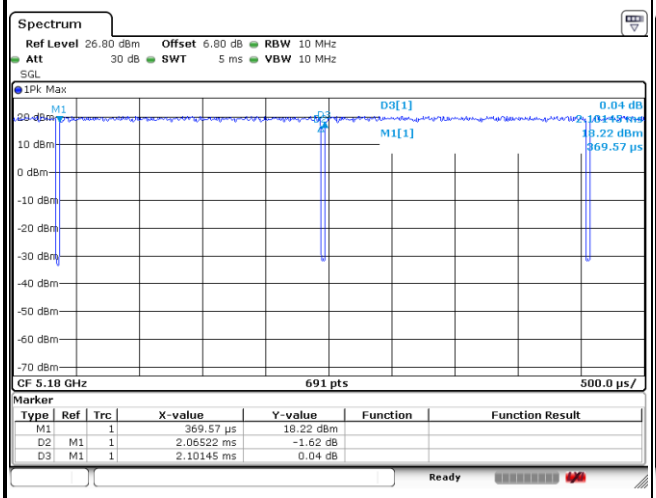
Site : 03CH05-KS
Condition : 5G BAND4-3m CBL6111D SN23188 VERTICAL
RBW:100.000KHz VBW:300.000KHz SWT:Auto

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phas
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		
1	39.70	33.30	-6.70	40.00	52.33	19.90	0.94	39.87	---	---	Peak	VERTICAL
2	46.49	32.95	-7.05	40.00	55.31	16.53	1.03	39.92	---	---	Peak	VERTICAL
3	109.54	29.46	-14.04	43.50	48.70	17.98	1.58	38.80	---	---	Peak	VERTICAL
4	187.14	31.83	-11.67	43.50	51.84	16.61	2.08	38.70	---	---	Peak	VERTICAL
5	230.79	30.74	-15.26	46.00	48.71	18.21	2.32	38.50	---	---	Peak	VERTICAL
6	831.22	30.73	-15.27	46.00	32.52	27.09	4.40	33.28	---	---	Peak	VERTICAL

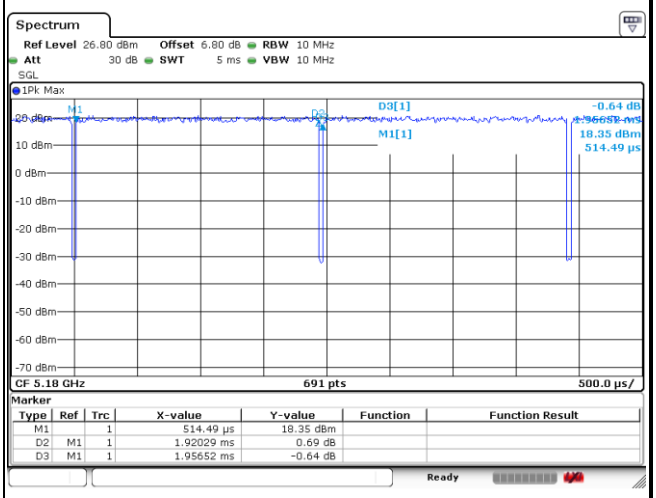
Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
802.11a	98.28	-	-	10Hz	0.08
5GHz 802.11n HT20	98.15	-	-	10Hz	0.08
5GHz 802.11n HT40	96.32	0.915	1.093	1.1kHz	0.16
5GHz 802.11ac VHT80	93.02	0.463	2.160	2.2kHz	0.31

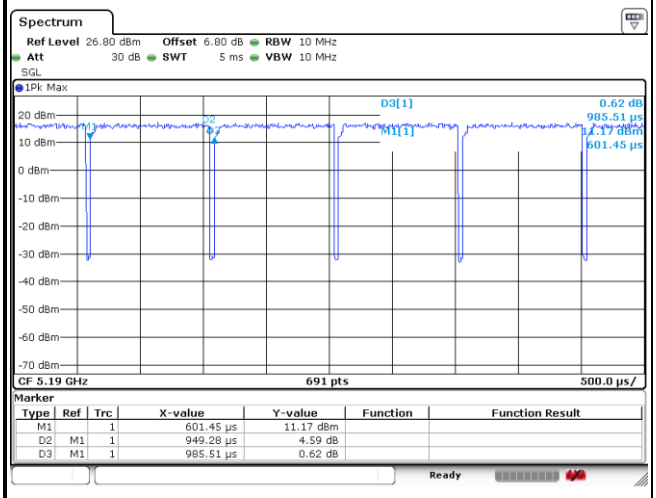
802.11a



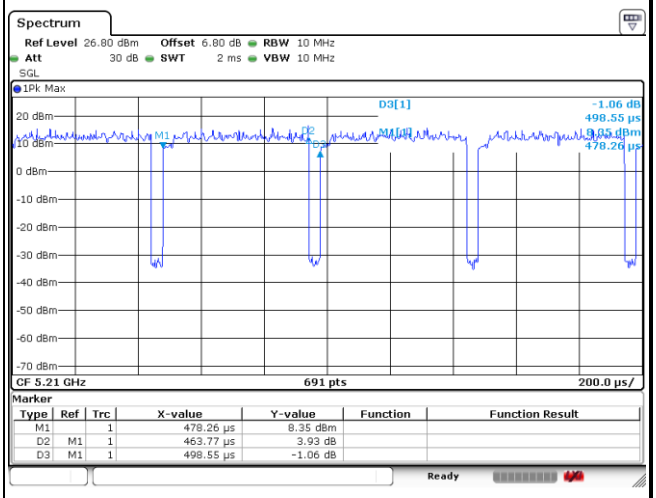
5GHz 802.11n HT20



5GHz 802.11n HT40



5GHz 802.11ac VHT80



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