FCC Test Report (WLAN)

Report No.:	RF150720E05-1
FCC ID:	C3K1683
Test Model:	1683
Received Date:	July 02, 2015
Test Date:	Sep. 17 to Nov. 23, 2015
Issued Date:	Dec. 18, 2015
Applicant:	Microsoft Corporation
Address:	One Microsoft Way Redmond WA 98052
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.
Test Location (1):	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.
Test Location (2):	No. 49, Ln. 206, Wende Rd., Shangshan Tsuen, Chiung Lin Hsiang, Hsin Chu Hsien 307, Taiwan R.O.C.

Table of Contents

Release Control Record

Issue No.	Description	Date Issued
RF150720E05-1	Original release.	Dec. 18, 2015

1 Certificate of Conformity

Product:	802.11a/b/g/n(/ac) 2T2R dual-band wireless LAN radio
Brand:	Microsoft
Test Model:	1683
Sample Status:	ENGINEERING SAMPLE
Applicant:	Microsoft Corporation
Test Date:	Sep. 17 to Nov. 23, 2015
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407) ANSI C63.10: 2013

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by : _____ , **Date:** Dec. 18, 2015

Lori Chung / Specialist

Approved by : _____ , **Date:** Dec. 18, 2015

May Chen / Manager

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (SECTION 15.407)			
FCC Clause	Test Item	Result	Remarks
15.407(b)(6)	AC Power Conducted Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -11.74dB at 0.58359MHz.
15.407(b) (1/2/3/4/6)	Radiated Emissions & Band Edge Measurement	PASS	Meet the requirement of limit. Minimum passing margin is -0.1dB at 5350.00MHz, 5150.00MHz, 5725.00MHz, 5850.00MHz, 5860.00MHz, 5470.00MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	PASS	Meet the requirement of limit.
15.407(a)(1/2/3)	Peak Power Spectral Density	PASS	Meet the requirement of limit.
15.407(e)	6dB bandwidth	PASS	Meet the requirement of limit. (U-NII-3 Band only)
15.407(g)	Frequency Stability	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	No antenna connector is used.

NOTE: 1. For WLAN: The EUT was operating in 2400 ~ 2483.5MHz, 5.15~5.35 GHz, 5.47~5.725GHz and 5.725~5.85GHz frequencies band. This report was recorded the RF parameters including 5.15~5.35GHz, 5.47~5.725GHz and 5.725~5.85GHz. For the 2400 ~ 2483.5MHz RF parameters was recorded in another test report.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expended Uncertainty (k=2) (±)
Conducted Emissions at mains ports	150kHz ~ 30MHz	2.86 dB
Radiated Emissions up to 1 GHz	30MHz ~ 1000MHz	5.37 dB
Radiated Emissions above 1 GHz	1GHz ~ 6GHz	3.72 dB
	6GHz ~ 18GHz	4.00 dB
	18GHz ~ 40GHz	4.11 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	802.11a/b/g/n(/ac) 2T2R dual-band wireless LAN radio
Brand	Microsoft
Test Model	1683
Status of EUT	ENGINEERING SAMPLE
Power Supply Rating	3.3Vdc from host equipment
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode
Modulation Technology	DSSS, OFDM
Transfer Rate	802.11b: up to 11Mbps 802.11a/g: up to 54Mbps 802.11n: up to 300Mbps 802.11ac: up to 866.7Mbps
Operating Frequency	**For 15.407** 5.18 ~ 5.24GHz, 5.26GHz ~ 5.32GHz, 5.5GHz ~ 5.7GHz, 5.745 ~ 5.825GHz
	For 15.247 2.412 ~ 2.462GHz
Number of Channel	**For 15.407** 24 for 802.11a, 802.11n (HT20), 802.11ac (VHT20) 11 for 802.11n (HT40), 802.11ac (VHT40) 5 for 802.11ac (VHT80)
	For 15.247 11 for 802.11b/g, 802.11n (HT20) 7 for 802.11n (HT40)

Output Power	**For 15.407** **1TX Mode:** 5.18 ~ 5.24GHz: 802.11a: 82.035mW 802.11ac (VHT20): 87.902mW 802.11ac (VHT40): 166.725mW 802.11ac (VHT80): 60.954mW 5.26 ~ 5.32GHz: 802.11a: 74.989mW 802.11ac (VHT20): 73.961mW 802.11ac (VHT40): 165.959mW 802.11ac (VHT80): 54.45mW 5.5 ~ 5.7GHz: 802.11a: 79.068mW 802.11ac (VHT20): 95.06mW 802.11ac (VHT40): 159.956mW 802.11ac (VHT80): 132.13mW 5.745 ~ 5.825GHz: 802.11a: 103.992mW 802.11ac (VHT20): 117.761mW 802.11ac (VHT40): 122.462mW 802.11ac (VHT80): 41.02mW **2TX Mode:** 5.18 ~ 5.24GHz: 802.11ac (VHT20): 169.372mW 802.11ac (VHT40): 225.813mW 802.11ac (VHT80): 64.581mW 5.26 ~ 5.32GHz: 802.11ac (VHT20): 158.684mW 802.11ac (VHT40): 188.664mW 802.11ac (VHT80): 67.166mW 5.5 ~ 5.7GHz: 802.11ac (VHT20): 178.428mW 802.11ac (VHT40): 207.918mW 802.11ac (VHT80): 146.601mW 5.745 ~ 5.825GHz: 802.11ac (VHT20): 194.67mW 802.11ac (VHT40): 187.729mW 802.11ac (VHT80): 42.244mW
	For 15.247 **1TX Mode:** 802.11b: 373.25mW 802.11g: 392.645mW 802.11n (HT20): 400.867mW 802.11n (HT40): 270.396mW **2TX Mode:** 802.11n (HT20): 736.312mW 802.11n (HT40): 483.369mW
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	NA
Data Cable Supplied	NA

Note:

1. 2.4GHz and 5GHz technology can not transmit at same time.
2. The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Antenna Type	Connecter Type	Antenna Gain(dBi)	Frequency range (MHz to MHz)	Antenna Type
Chain (0)	Microsoft	NA	3	2400~2500	PCB
			3.9	5150~5850	
Chain (1)	Microsoft	NA	4.2	2400~2500	PCB
			3.8	5150~5850	
For 1TX configuration mode: max gain was selected as representative antenna.					

3. The EUT incorporates a MIMO function.

2.4GHz Band			
MODULATION MODE	**DATA RATE (MCS)**	**TX & RX CONFIGURATION**	
802.11b	1 ~ 11Mbps	1TX (diversity)	2RX
802.11g	6 ~ 54Mbps	1TX (diversity)	2RX
802.11n (HT20)	MCS 0~7	1TX (diversity)	2RX
	MCS 8~15*	2TX	2RX
802.11n (HT40)	MCS 0~7	1TX (diversity)	2RX
	MCS 8~15*	2TX	2RX
5GHz Band			
MODULATION MODE	**DATA RATE (MCS)**	**TX & RX CONFIGURATION**	
802.11a	6 ~ 54Mbps	1TX (diversity)	2RX
802.11n (HT20)	MCS 0~7	1TX (diversity)	2RX
	MCS 8~15*	2TX	2RX
802.11n (HT40)	MCS 0~7	1TX (diversity)	2RX
	MCS 8~15*	2TX	2RX
802.11ac (VHT20)	MCS0~8 Nss= 1	1TX (diversity)	2RX
	MCS0~8 Nss= 2*	2TX	2RX
802.11ac (VHT40)	MCS0~9 Nss= 1	1TX (diversity)	2RX
	MCS0~9 Nss= 2*	2TX	2RX
802.11ac (VHT80)	MCS0~9 Nss= 1	1TX (diversity)	2RX
	MCS0~9 Nss= 2*	2TX	2RX
Note: 1. The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz) and 802.11ac mode for 20MHz (40MHz), therefore investigated worst case to representative mode in test report. (Final test mode refer section 3.2.1) 2. "*" means the device operate with two spatial stream (Nss = 2) with different data, and two signals are not correlated.			

4. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Description of Test Modes

FOR 5180 ~ 5240MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
42	5210MHz

FOR 5260 ~ 5320MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency
52	5260 MHz	60	5300 MHz
56	5280 MHz	64	5320 MHz

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
58	5290MHz

FOR 5500 ~ 5700MHz

11 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency
100	5500 MHz	124	5620 MHz
104	5520 MHz	128	5640 MHz
108	5540 MHz	132	5660 MHz
112	5560 MHz	136	5680 MHz
116	5580 MHz	140	5700 MHz
120	5600 MHz		

5 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency	Channel	Frequency
102	5510 MHz	126	5630 MHz
110	5550 MHz	134	5670 MHz
118	5590 MHz		

2 channels are provided for 802.11ac (VHT80):

Channel	Frequency	Channel	Frequency
106	5530MHz	122	5610 MHz

FOR 5745 ~ 5825MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency
149	5745MHz	161	5805MHz
153	5765MHz	165	5825MHz
157	5785MHz		

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency	Channel	Frequency
151	5755MHz	159	5795MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
155	5775MHz

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE≥1G	RE<1G	PLC	APCM	
1	√	-	-	√	1TX
2	√	√	√	√	2TX

Where **RE≥1G:** Radiated Emission above 1GHz **RE<1G:** Radiated Emission below 1GHz

PLC: Power Line Conducted Emission **APCM:** Antenna Port Conducted Measurement

NOTE: 1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on Z-plane (for below 1GHz) and Y-plane (for above 1GHz).

2. "-"means no effect.

Radiated Emission Test (Above 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

1TX Configuration					
MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	DATA RATE (Mbps)
802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6
802.11ac (VHT20)		36 to 48	36, 40, 48	OFDM	6.5
802.11ac (VHT40)		38 to 46	38, 46	OFDM	13.5
802.11ac (VHT80)		42	42	OFDM	29.3
802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6
802.11ac (VHT20)		52 to 64	52, 60, 64	OFDM	6.5
802.11ac (VHT40)		54 to 62	54, 62	OFDM	13.5
802.11ac (VHT80)		58	58	OFDM	29.3
802.11a	5500-5700	100 to 140	100, 120, 140	OFDM	6
802.11ac (VHT20)		100 to 140	100, 120, 140	OFDM	6.5
802.11ac (VHT40)		102 to 134	102, 118, 134	OFDM	13.5
802.11ac (VHT80)		106 to 122	106, 122	OFDM	29.3
802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	6
802.11ac (VHT20)		149 to 165	149, 157, 165	OFDM	6.5
802.11ac (VHT40)		151 to 159	151, 159	OFDM	13.5
802.11ac (VHT80)		155	155	OFDM	29.3
2TX Configuration					
MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	DATA RATE (Mbps)
802.11ac (VHT20)	5180-5240	36 to 48	36, 40, 48	OFDM	13
802.11ac (VHT40)		38 to 46	38, 46	OFDM	27
802.11ac (VHT80)		42	42	OFDM	58.5
802.11ac (VHT20)	5260-5320	52 to 64	52, 60, 64	OFDM	13
802.11ac (VHT40)		54 to 62	54, 62	OFDM	27
802.11ac (VHT80)		58	58	OFDM	58.5
802.11ac (VHT20)	5500-5700	100 to 140	100, 120, 140	OFDM	13
802.11ac (VHT40)		102 to 134	102, 118, 134	OFDM	27
802.11ac (VHT80)		106 to 122	106, 122	OFDM	58.5
802.11ac (VHT20)	5745-5825	149 to 165	149, 157, 165	OFDM	13
802.11ac (VHT40)		151 to 159	151, 159	OFDM	27
802.11ac (VHT80)		155	155	OFDM	58.5

Radiated Emission Test (Below 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

2TX Configuration					
MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	DATA RATE (Mbps)
802.11ac (VHT20)	5180-5320, 5500-5700, 5745-5825	36 to 64, 100 to 140, 149 to 165	157	OFDM	13

Power Line Conducted Emission Test:

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

2TX Configuration					
MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	DATA RATE (Mbps)
802.11ac (VHT20)	5180-5320, 5500-5700, 5745-5825	36 to 64, 100 to 140, 149 to 165	157	OFDM	13

Antenna Port Conducted Measurement:

☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
☒ Following channel(s) was (were) selected for the final test as listed below.

1TX Configuration					
MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	DATA RATE (Mbps)
802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6
802.11ac (VHT20)		36 to 48	36, 40, 48	OFDM	6.5
802.11ac (VHT40)		38 to 46	38, 46	OFDM	13.5
802.11ac (VHT80)		42	42	OFDM	29.3
802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6
802.11ac (VHT20)		52 to 64	52, 60, 64	OFDM	6.5
802.11ac (VHT40)		54 to 62	54, 62	OFDM	13.5
802.11ac (VHT80)		58	58	OFDM	29.3
802.11a	5500-5700	100 to 140	100, 120, 140	OFDM	6
802.11ac (VHT20)		100 to 140	100, 120, 140	OFDM	6.5
802.11ac (VHT40)		102 to 134	102, 118, 134	OFDM	13.5
802.11ac (VHT80)		106 to 122	106, 122	OFDM	29.3
802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	6
802.11ac (VHT20)		149 to 165	149, 157, 165	OFDM	6.5
802.11ac (VHT40)		151 to 159	151, 159	OFDM	13.5
802.11ac (VHT80)		155	155	OFDM	29.3
2TX Configuration					
MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	DATA RATE (Mbps)
802.11ac (VHT20)	5180-5240	36 to 48	36, 40, 48	OFDM	13
802.11ac (VHT40)		38 to 46	38, 46	OFDM	27
802.11ac (VHT80)		42	42	OFDM	58.5
802.11ac (VHT20)	5260-5320	52 to 64	52, 60, 64	OFDM	13
802.11ac (VHT40)		54 to 62	54, 62	OFDM	27
802.11ac (VHT80)		58	58	OFDM	58.5
802.11ac (VHT20)	5500-5700	100 to 140	100, 120, 140	OFDM	13
802.11ac (VHT40)		102 to 134	102, 118, 134	OFDM	27
802.11ac (VHT80)		106 to 122	106, 122	OFDM	58.5
802.11ac (VHT20)	5745-5825	149 to 165	149, 157, 165	OFDM	13
802.11ac (VHT40)		151 to 159	151, 159	OFDM	27
802.11ac (VHT80)		155	155	OFDM	58.5

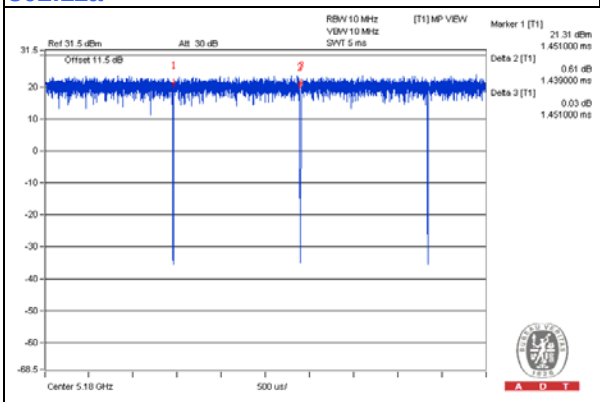
Test Condition:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER (SYSTEM)	TESTED BY
RE≥1G	25deg. C, 65%RH 25deg. C, 71%RH 20deg. C, 67%RH	120Vac, 60Hz	Andy Ho Tim Ho Gary Cheng
RE<1G	24deg. C, 68%RH	120Vac, 60Hz	Weiwei Lo
PLC	25deg. C, 64%RH	120Vac, 60Hz	Timmy Hu
APCM	25deg. C, 60%RH	120Vac, 60Hz	Anderson Chen

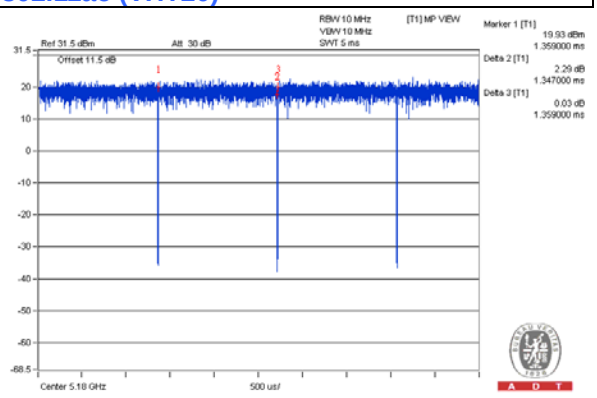
3.3 Duty Cycle of Test Signal

If duty cycle of test signal is ≥ 98 %, duty factor is not required.
If duty cycle of test signal is < 98%, duty factor shall be considered.
802.11a: Duty cycle = 1.439 ms/1.451 ms = 0.992
802.11ac (VHT20): Duty cycle = 1.347 ms/1.359 ms = 0.991
802.11ac (VHT40): Duty cycle = 0.676 ms/0.686 ms = 0.985
802.11ac (VHT80): Duty cycle = 0.333 ms/0.359 ms = 0.928, Duty factor = 10 * log(1/0.928) = 0.33

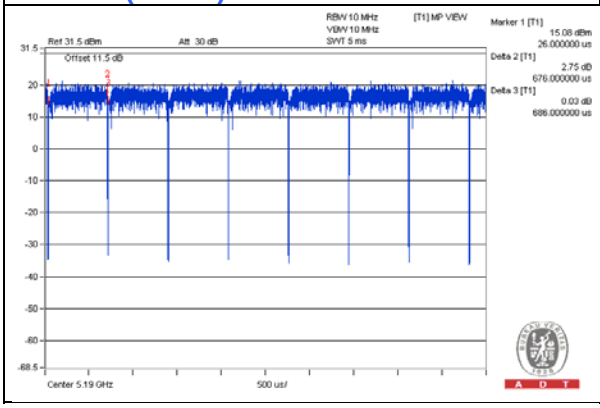
802.11a



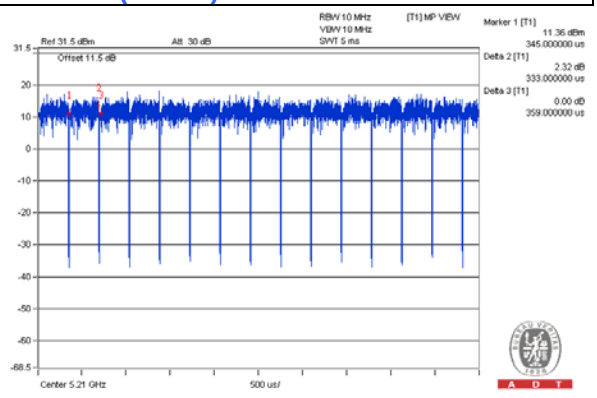
802.11ac (VHT20)



802.11ac (VHT40)



802.11ac (VHT80)



3.4 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

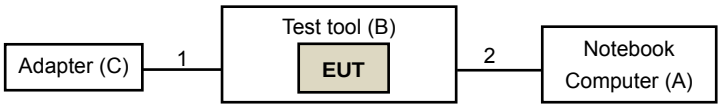
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Notebook Computer	DELL	E5430	HYV4VY1	FCC DoC	Provided by Lab
B.	Test Tool	NA	NA	NA	NA	Supplied by Client
C.	Adapter	AMIG	AMS3-050200FU	NA	NA	Supplied by Client

Note:

1. All power cords of the above support units are non-shielded (1.8m).

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	DC	1	1.5	No	0	Supplied by Client
2.	USB	1	1.7	No	0	Supplied by Client

3.4.1 Configuration of System under Test



3.5 General Description of Applied Standard

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart E (15.407)
KDB789033 D02 General UNII Test Procedure New Rules v01
KDB662911 D01 Multiple Transmitter Output v02r01
ANSI C63.10-2013

All test items have been performed and recorded as per the above standards.

4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequencies (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:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

APPLICABLE TO	**LIMIT**	
789033 D02 General UNII Test Procedure New Rules v01	FIELD STRENGTH AT 3m	
	PK:74 (dBμV/m)	AV:54 (dBμV/m)
APPLICABLE TO	**EIRP LIMIT**	**EQUIVALENT FIELD STRENGTH AT 3m**
15.407(b)(1)	PK:-27 (dBm/MHz)	PK:68.2(dBμV/m)
15.407(b)(2)		
15.407(b)(3)		
15.407(b)(4)	PK:-27 (dBm/MHz) [*1] PK:-17 (dBm/MHz) [*2]	PK: 68.2(dBμV/m) [*1] PK:78.2 (dBμV/m) [*2]

NOTE: [*1] beyond 10MHz of the band edge [*2] within 10 MHz of band edge

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

4.1.2 Test Instruments

For Below 1GHz test

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY51210105	July 24, 2015	July 23, 2016
Pre-Amplifier(*) EMCI	EMC001340	980142	Jan. 13, 2014	Jan. 12, 2016
Loop Antenna(*) Electro-Metrics	EM-6879	264	Dec. 16, 2014	Dec. 15, 2016
RF Cable	NA	LOOPCAB-001 LOOPCAB-002	Jan. 18, 2015	Jan. 17, 2016
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-03	Nov. 12, 2014	Nov. 11, 2015
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-360	Feb. 06, 2015	Feb. 05, 2016
RF Cable	8D-FB	CHGCAB-001-1 CHGCAB-001-2	Oct. 04, 2014	Oct. 03, 2015
	RF-141	CHGCAB-004	Oct. 04, 2014	Oct. 03, 2015
Software	ADT_Radiated_V8.7.07	NA	NA	NA
Antenna Tower & Turn Table CT	NA	NA	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. *The calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. Loop antenna was used for all emissions below 30 MHz.
4. The test was performed in 966 Chamber No. G.
5. The FCC Site Registration No. is 966073.
6 The CANADA Site Registration No. is IC 7450H-2.
7 Tested Date: Sep. 18, 2015

For Bandedge test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY50010156	Aug. 12, 2015	Aug. 11, 2016
Horn_Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Feb. 05, 2015	Feb. 04, 2016
Pre-Amplifier Agilent	8449B	3008A02465	Apr. 06, 2015	Apr. 05, 2016
RF Cable	EMC104-SM-SM-2000 EMC104-SM-SM-5000 EMC104-SM-SM-5000	150317 150321 150322	Mar. 31, 2015	Mar. 30, 2016
Spectrum Analyzer Keysight	N9030A	MY54490520	July 26, 2015	July 25, 2016
Pre-Amplifier EMCI	EMC184045	980143	Jan. 16, 2015	Jan. 15, 2016
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Feb. 05, 2015	Feb. 04, 2016
RF Cable	SUCOFLEX104	329751/4 RF104-204	Dec. 11, 2014	Dec. 10, 2015
Software	ADT_Radiated_V8.7.07	NA	NA	NA
Antenna Tower & Turn Table CT	NA	NA	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. 3.
3. The FCC Site Registration No. is 147459
4. The CANADA Site Registration No. is 20331-1
5. Tested Date: Oct. 27 to Nov. 20, 2015

For Mode 1 and Mode 2 802.11ac (VHT20): Channel 36, 40, 48, 52, 60, 64, 100, 120, 157, 165 & 802.11ac (VHT40): Channel: 46, 54, 118, 159 spurious emissions above 1GHz test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY51210202	Dec. 12, 2014	Dec. 11, 2015
Horn_Antenna AISI	AIH.8018	0000220091110	Feb. 06, 2015	Feb. 05, 2016
Pre-Amplifier Agilent	8449B	3008A01923	Oct. 28, 2014	Oct. 27, 2015
RF Cable	NA	131206 131213 131215 SNMY23685/4	Jan. 16, 2015	Jan. 15, 2016
Spectrum Analyzer R&S	FSV40	100964	June 26, 2015	June 25, 2016
Pre-Amplifier SPACEK LABS	SLKKa-48-6	9K16	Dec. 12, 2014	Dec. 11, 2015
Horn_Antenna SCHWARZBECK	BBHA 9170	9170-424	Feb. 05, 2015	Feb. 04, 2016
RF Cable	NA	329751/4 RF104-204	Dec. 11, 2014	Dec. 10, 2015
Software	ADT_Radiated _V8.7.07	NA	NA	NA
Antenna Tower & Turn Table CT	NA	NA	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. H.
3. The FCC Site Registration No. is 797305.
4. The CANADA Site Registration No. is IC 7450H-3.
5. Tested Date: Oct. 21, 2015

For other test items:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY51210202	Dec. 12, 2014	Dec. 11, 2015
Horn_Antenna AISI	AIH.8018	0000220091110	Feb. 06, 2015	Feb. 05, 2016
Pre-Amplifier Agilent	8449B	3008A01923	Oct. 27, 2015	Oct. 26, 2016
RF Cable	NA	131206 131213 131215 SNMY23685/4	Jan. 16, 2015	Jan. 15, 2016
Spectrum Analyzer R&S	FSV40	100964	June 26, 2015	June 25, 2016
Pre-Amplifier SPACEK LABS	SLKKa-48-6	9K16	Dec. 12, 2014	Dec. 11, 2015
Horn_Antenna SCHWARZBECK	BBHA 9170	9170-424	Feb. 05, 2015	Feb. 04, 2016
RF Cable	NA	329751/4 RF104-204	Dec. 11, 2014	Dec. 10, 2015
Software	ADT_Radiated _V8.7.07	NA	NA	NA
Antenna Tower & Turn Table CT	NA	NA	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. H.
3. The FCC Site Registration No. is 797305.
4. The CANADA Site Registration No. is IC 7450H-3.
5. Tested Date: Nov. 20, 2015

4.1.3 Test Procedure

a. The EUT was placed on the top of a rotating table 0.8 meters (for below 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

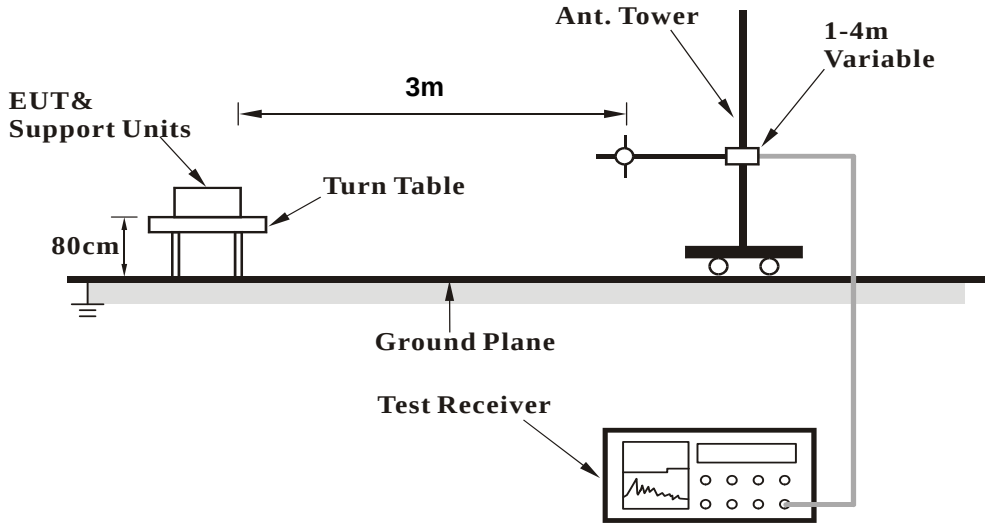
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor (10 log(1/duty cycle)).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.
5. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

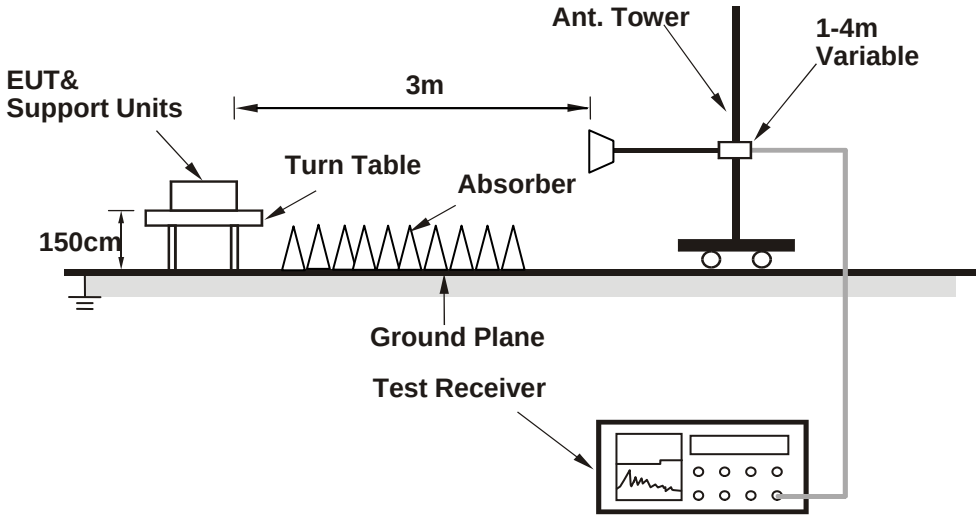
No deviation.

4.1.5 Test Setup

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT Operating Condition

1. Connect the EUT with the support unit A (Notebook Computer) which is placed on test table.
2. The communication partner run test program “MT7662UQA.exe _V1.0.3.13” to enable EUT under transmission/receiving condition continuously at specific channel frequency.

4.1.7 Test Results (Bandedge) (Mode 1)

Above 1GHz Data

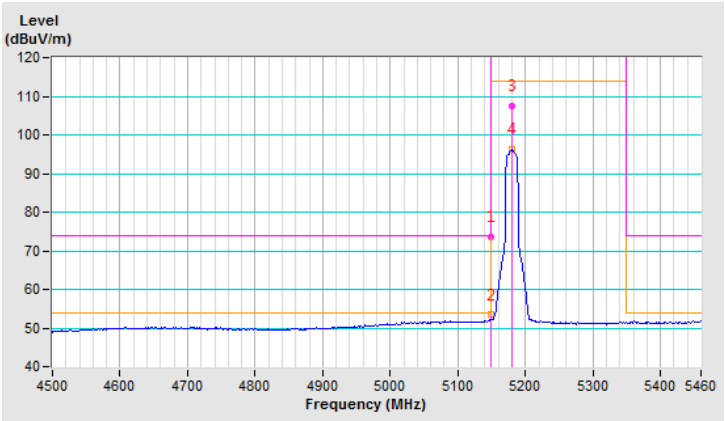
802.11a

CHANNEL	TX Channel 36	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	73.7 PK	74.0	-0.3	1.94 H	50	34.99	38.71
2	5150.00	53.4 AV	54.0	-0.6	1.94 H	50	14.69	38.71
3	*5180.00	107.4 PK			1.94 H	50	68.64	38.76
4	*5180.00	96.2 AV			1.94 H	50	57.44	38.76

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

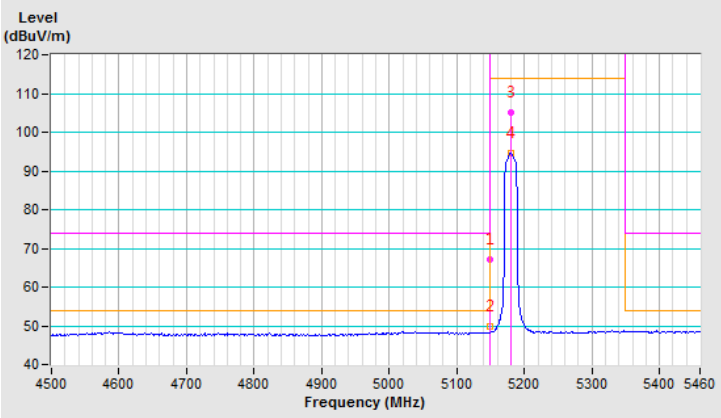


CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	67.2 PK	74.0	-6.8	1.94 V	131	28.49	38.71
2	5150.00	49.8 AV	54.0	-4.2	1.94 V	131	11.09	38.71
3	*5180.00	105.2 PK			1.94 V	131	66.44	38.76
4	*5180.00	94.5 AV			1.94 V	131	55.74	38.76

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

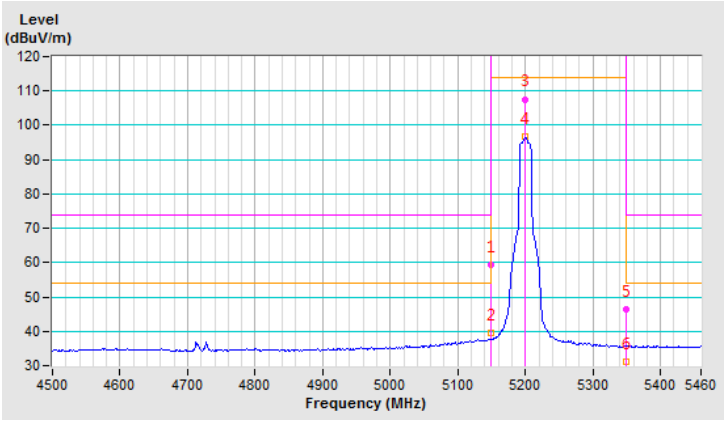


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.2 PK	74.0	-14.8	1.95 H	46	56.83	2.37
2	5150.00	39.5 AV	54.0	-14.5	1.95 H	46	37.13	2.37
3	*5200.00	107.6 PK			1.95 H	46	105.17	2.43
4	*5200.00	96.6 AV			1.95 H	46	94.17	2.43
5	5350.00	46.4 PK	74.0	-27.6	1.95 H	46	43.75	2.65
6	5350.00	31.2 AV	54.0	-22.8	1.95 H	46	28.55	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

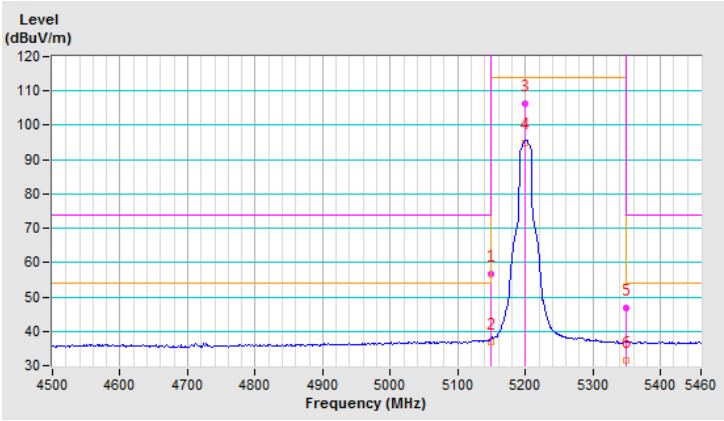


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.7 PK	74.0	-17.3	1.94 V	138	54.33	2.37
2	5150.00	37.0 AV	54.0	-17.0	1.94 V	138	34.63	2.37
3	*5200.00	106.1 PK			1.94 V	138	103.67	2.43
4	*5200.00	95.0 AV			1.94 V	138	92.57	2.43
5	5350.00	46.7 PK	74.0	-27.3	1.94 V	138	44.05	2.65
6	5350.00	31.6 AV	54.0	-22.4	1.94 V	138	28.95	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

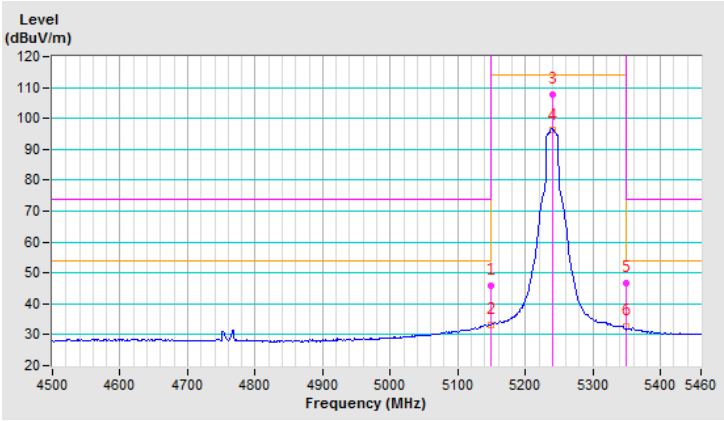


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	45.9 PK	74.0	-28.1	1.95 H	47	40.79	5.11
2	5150.00	33.2 AV	54.0	-20.8	1.95 H	47	28.09	5.11
3	*5240.00	107.8 PK			1.95 H	47	102.43	5.37
4	*5240.00	96.1 AV			1.95 H	47	90.73	5.37
5	5350.00	46.6 PK	74.0	-27.4	1.95 H	47	41.00	5.60
6	5350.00	32.8 AV	54.0	-21.2	1.95 H	47	27.20	5.60

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

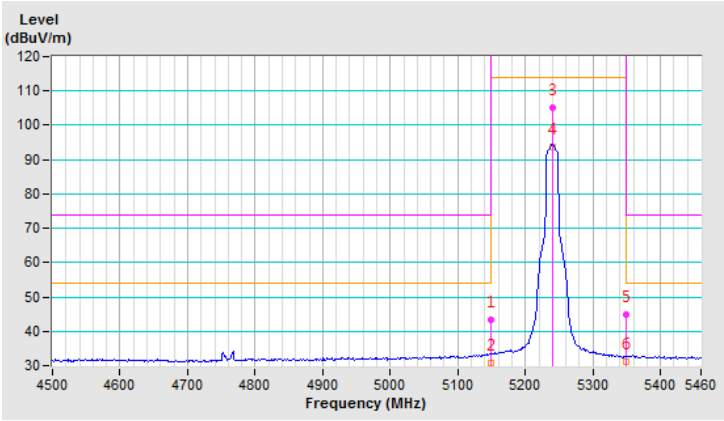


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	43.2 PK	74.0	-30.8	1.88 V	142	40.83	2.37
2	5150.00	30.7 AV	54.0	-23.3	1.88 V	142	28.33	2.37
3	*5240.00	105.2 PK			1.88 V	142	102.70	2.50
4	*5240.00	93.7 AV			1.88 V	142	91.20	2.50
5	5350.00	45.0 PK	74.0	-29.0	1.88 V	142	42.35	2.65
6	5350.00	31.0 AV	54.0	-23.0	1.88 V	142	28.35	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

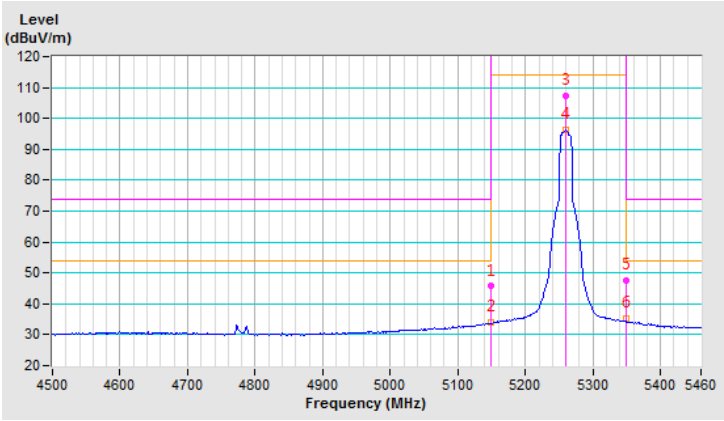


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	45.7 PK	74.0	-28.3	1.95 H	48	40.59	5.11
2	5150.00	33.9 AV	54.0	-20.1	1.95 H	48	28.79	5.11
3	*5260.00	107.5 PK			1.95 H	48	102.09	5.41
4	*5260.00	96.3 AV			1.95 H	48	90.89	5.41
5	5350.00	47.6 PK	74.0	-26.4	1.95 H	48	42.00	5.60
6	5350.00	35.2 AV	54.0	-18.8	1.95 H	48	29.60	5.60

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

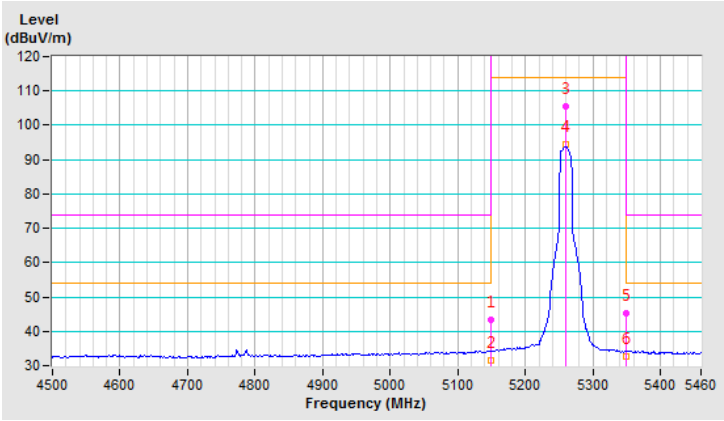


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	43.2 PK	74.0	-30.8	1.95 V	129	40.83	2.37
2	5150.00	31.4 AV	54.0	-22.6	1.95 V	129	29.03	2.37
3	*5260.00	105.6 PK			1.95 V	129	103.06	2.54
4	*5260.00	94.4 AV			1.95 V	129	91.86	2.54
5	5350.00	45.1 PK	74.0	-28.9	1.95 V	129	42.45	2.65
6	5350.00	32.8 AV	54.0	-21.2	1.95 V	129	30.15	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

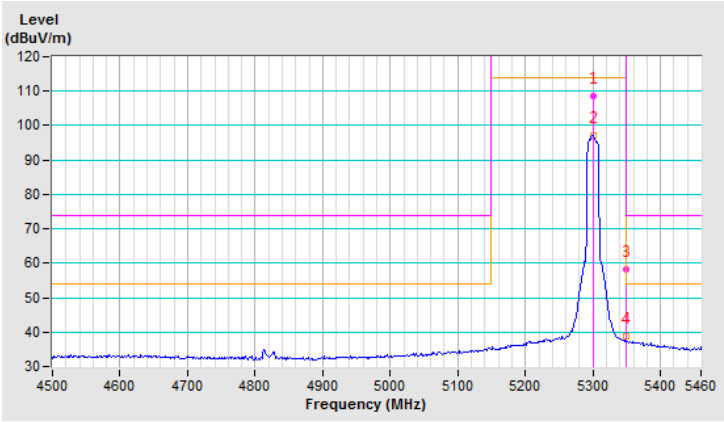


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	108.4 PK			1.91 H	49	102.92	5.48
2	*5300.00	97.0 AV			1.91 H	49	91.52	5.48
3	5350.00	58.3 PK	74.0	-15.7	1.91 H	49	52.70	5.60
4	5350.00	38.9 AV	54.0	-15.1	1.91 H	49	33.30	5.60

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

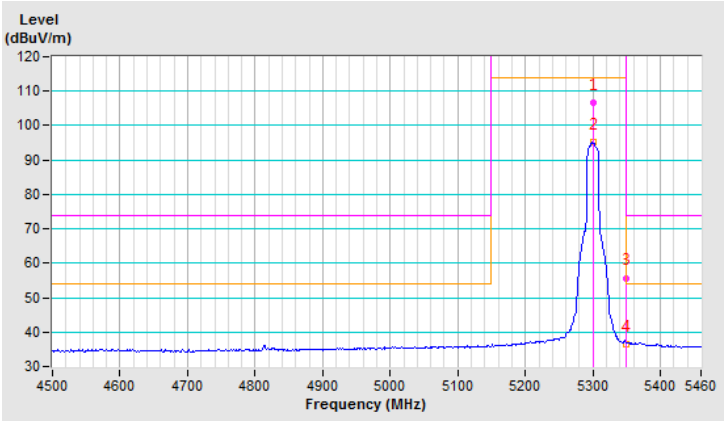


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	106.7 PK			1.94 V	127	104.09	2.61
2	*5300.00	95.1 AV			1.94 V	127	92.49	2.61
3	5350.00	55.7 PK	74.0	-18.3	1.94 V	127	53.05	2.65
4	5350.00	36.5 AV	54.0	-17.5	1.94 V	127	33.85	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

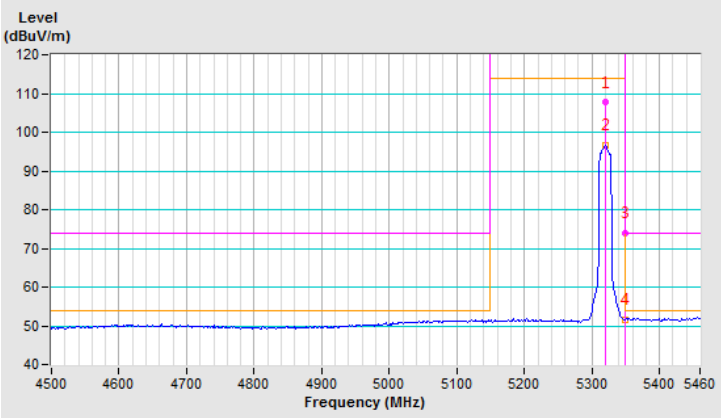


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	107.7 PK			2.02 H	47	102.16	5.54
2	*5320.00	96.6 AV			2.02 H	47	91.06	5.54
3	**5350.00**	**73.9 PK**	**74.0**	**-0.1**	**2.02 H**	**47**	**68.30**	**5.60**
4	5350.00	51.6 AV	54.0	-2.4	2.02 H	47	46.00	5.60

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

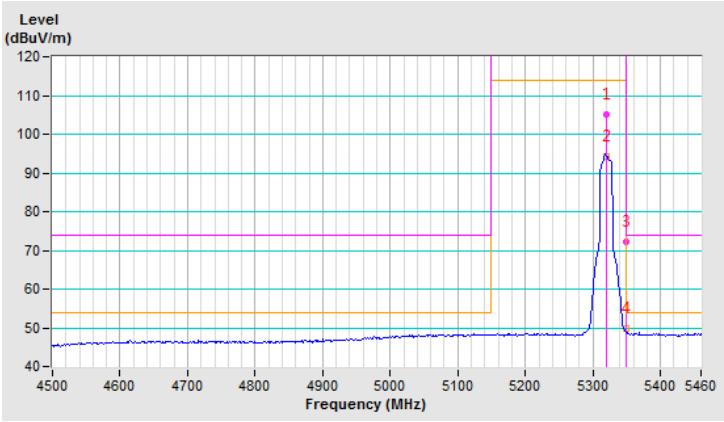


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	105.2 PK			1.89 V	137	102.57	2.63
2	*5320.00	94.4 AV			1.89 V	137	91.77	2.63
3	5350.00	72.2 PK	74.0	-1.8	1.89 V	137	69.55	2.65
4	5350.00	49.9 AV	54.0	-4.1	1.89 V	137	47.25	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

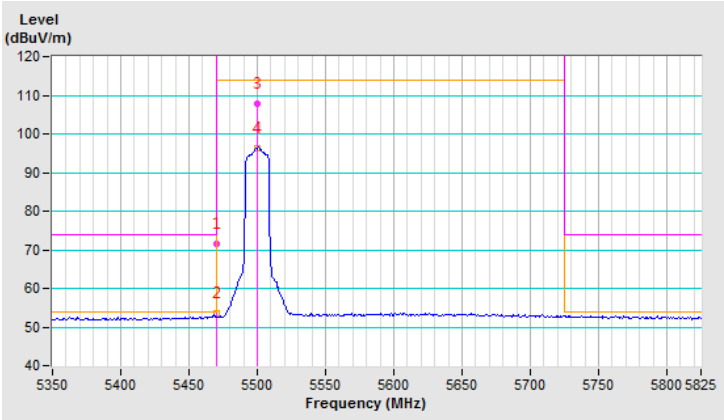


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	71.5 PK	74.0	-2.5	2.02 H	39	65.64	5.86
2	#5470.00	53.5 AV	54.0	-0.5	2.02 H	39	47.64	5.86
3	*5500.00	107.8 PK			2.02 H	39	101.88	5.92
4	*5500.00	96.4 AV			2.02 H	39	90.48	5.92

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

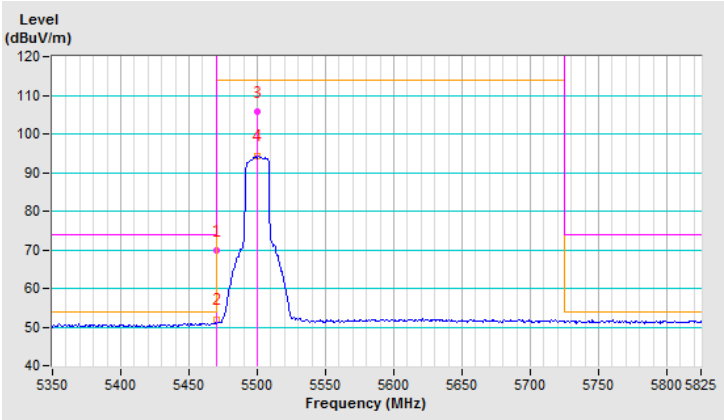


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	69.7 PK	74.0	-4.3	1.98 V	129	66.91	2.79
2	#5470.00	51.9 AV	54.0	-2.1	1.98 V	129	49.11	2.79
3	*5500.00	105.6 PK			1.98 V	129	102.77	2.83
4	*5500.00	94.2 AV			1.98 V	129	91.37	2.83

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

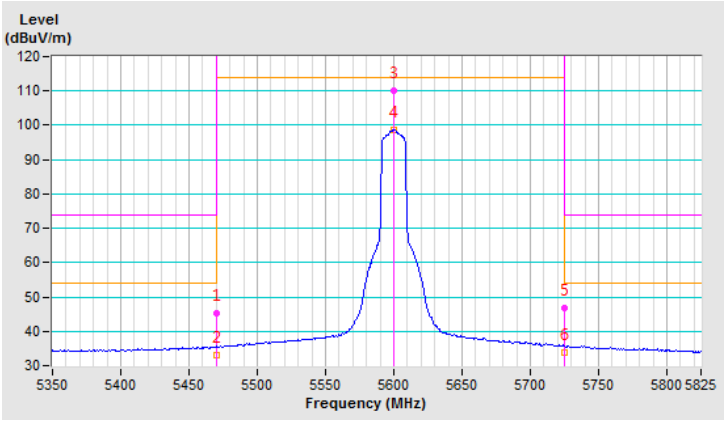


CHANNEL	TX Channel 120	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	45.3 PK	74.0	-28.7	2.02 H	36	39.44	5.86
2	#5470.00	32.9 AV	54.0	-21.1	2.02 H	36	27.04	5.86
3	*5600.00	110.1 PK			2.02 H	36	104.38	5.72
4	*5600.00	98.5 AV			2.02 H	36	92.78	5.72
5	#5725.00	46.9 PK	74.0	-27.1	2.02 H	36	40.99	5.91
6	#5725.00	33.7 AV	54.0	-20.3	2.02 H	36	27.79	5.91

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

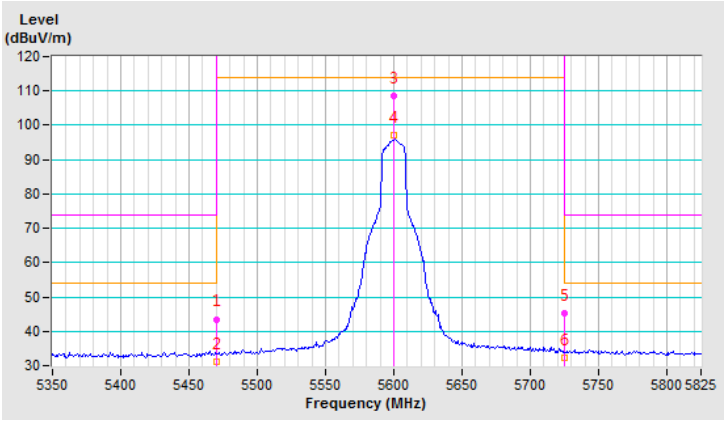


CHANNEL	TX Channel 120	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	43.5 PK	74.0	-30.5	1.92 V	131	40.71	2.79
2	#5470.00	31.0 AV	54.0	-23.0	1.92 V	131	28.21	2.79
3	*5600.00	108.5 PK			1.92 V	131	105.37	3.13
4	*5600.00	97.0 AV			1.92 V	131	93.87	3.13
5	#5725.00	45.2 PK	74.0	-28.8	1.92 V	131	41.84	3.36
6	#5725.00	32.1 AV	54.0	-21.9	1.92 V	131	28.74	3.36

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

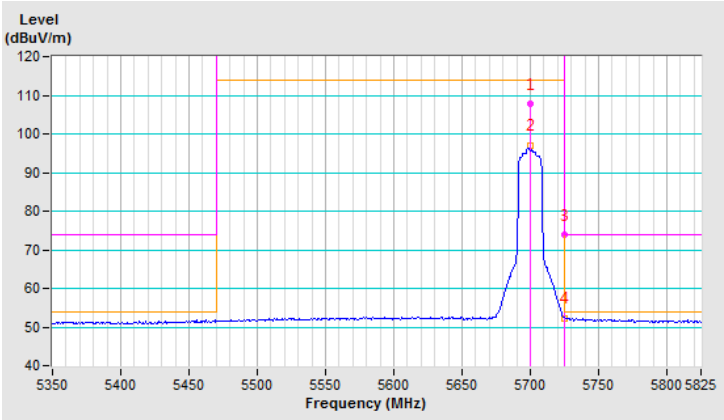


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	107.7 PK			1.90 H	49	101.76	5.94
2	*5700.00	96.9 AV			1.90 H	49	90.96	5.94
3	#5725.00	73.8 PK	74.0	-0.2	1.90 H	49	67.89	5.91
4	#5725.00	52.3 AV	54.0	-1.7	1.90 H	49	46.39	5.91

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

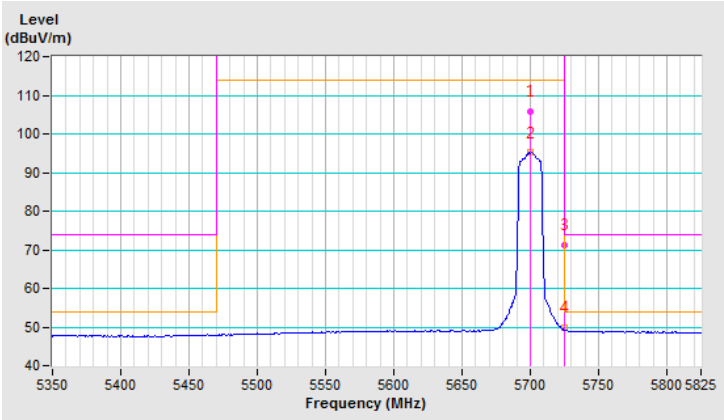


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	105.9 PK			1.90 V	141	102.58	3.32
2	*5700.00	95.1 AV			1.90 V	141	91.78	3.32
3	#5725.00	71.3 PK	74.0	-2.7	1.90 V	141	67.94	3.36
4	#5725.00	49.8 AV	54.0	-4.2	1.90 V	141	46.44	3.36

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

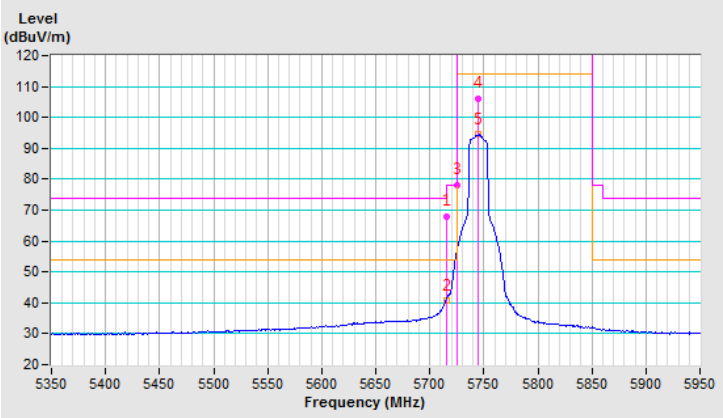


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	67.8 PK	74.0	-6.2	2.04 H	49	61.88	5.92
2	#5715.00	40.6 AV	54.0	-13.4	2.04 H	49	34.68	5.92
3	**#5725.00**	**78.1 PK**	**78.2**	**-0.1**	**2.04 H**	**49**	**72.19**	**5.91**
4	*5745.00	106.1 PK			2.04 H	49	100.21	5.89
5	*5745.00	94.4 AV			2.04 H	49	88.51	5.89

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

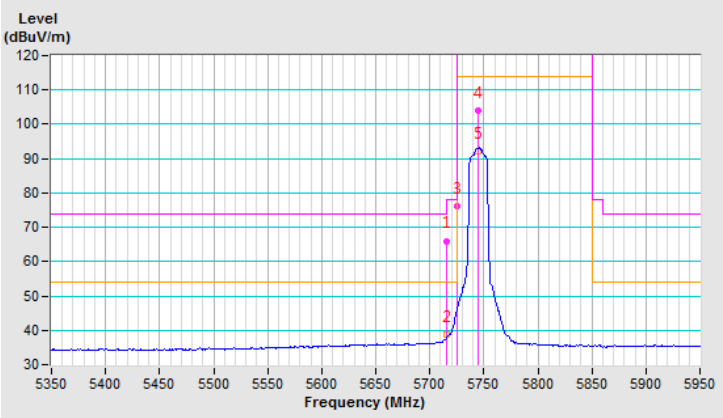


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	66.0 PK	74.0	-8.0	1.94 V	117	62.66	3.34
2	#5715.00	38.6 AV	54.0	-15.4	1.94 V	117	35.26	3.34
3	#5725.00	76.2 PK	78.2	-2.0	1.94 V	117	72.84	3.36
4	*5745.00	103.8 PK			1.94 V	117	100.42	3.38
5	*5745.00	92.1 AV			1.94 V	117	88.72	3.38

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

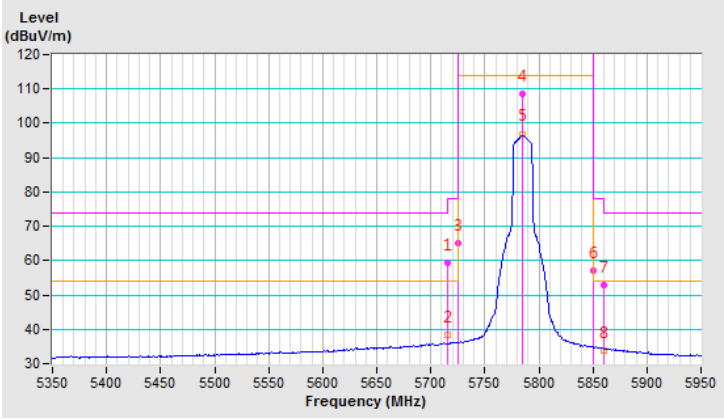


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	59.3 PK	74.0	-14.7	2.04 H	49	53.38	5.92
2	#5715.00	38.2 AV	54.0	-15.8	2.04 H	49	32.28	5.92
3	#5725.00	65.1 PK	78.2	-13.1	2.04 H	49	59.19	5.91
4	*5785.00	108.4 PK			2.04 H	49	102.55	5.85
5	*5785.00	96.9 AV			2.04 H	49	91.05	5.85
6	#5850.00	56.9 PK	78.2	-21.3	2.04 H	49	51.17	5.73
7	#5860.00	53.0 PK	74.0	-21.0	2.04 H	49	47.30	5.70
8	#5860.00	33.9 AV	54.0	-20.1	2.04 H	49	28.20	5.70

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

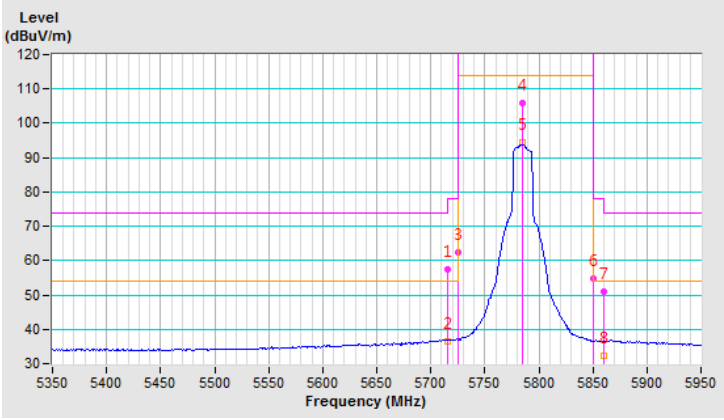


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	57.4 PK	74.0	-16.6	1.94 V	139	54.06	3.34
2	#5715.00	36.4 AV	54.0	-17.6	1.94 V	139	33.06	3.34
3	#5725.00	62.4 PK	78.2	-15.8	1.94 V	139	59.04	3.36
4	*5785.00	105.8 PK			1.94 V	139	102.37	3.43
5	*5785.00	94.4 AV			1.94 V	139	90.97	3.43
6	#5850.00	54.9 PK	78.2	-23.3	1.94 V	139	51.41	3.49
7	#5860.00	50.9 PK	74.0	-23.1	1.94 V	139	47.40	3.50
8	#5860.00	32.1 AV	54.0	-21.9	1.94 V	139	28.60	3.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

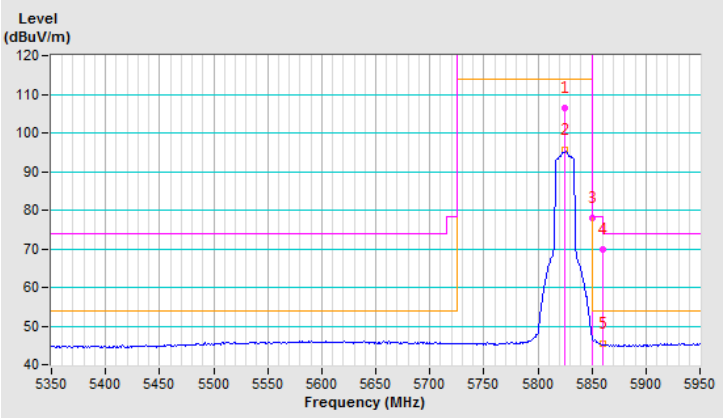


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	106.5 PK			2.05 H	60	100.72	5.78
2	*5825.00	95.6 AV			2.05 H	60	89.82	5.78
3	**#5850.00**	**78.1 PK**	**78.2**	**-0.1**	**2.05 H**	**60**	**72.37**	**5.73**
4	#5860.00	69.8 PK	74.0	-4.2	2.05 H	60	64.10	5.70
5	#5860.00	45.5 AV	54.0	-8.5	2.05 H	60	39.80	5.70

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

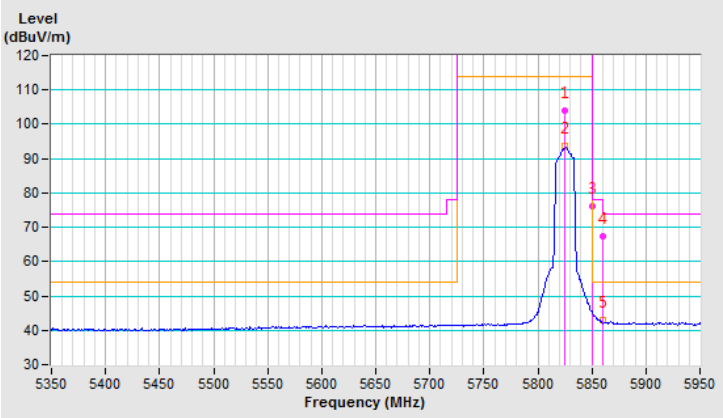


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	104.1 PK			1.91 V	136	100.64	3.46
2	*5825.00	93.5 AV			1.91 V	136	90.04	3.46
3	#5850.00	76.1 PK	78.2	-2.1	1.91 V	136	72.61	3.49
4	#5860.00	67.4 PK	74.0	-6.6	1.91 V	136	63.90	3.50
5	#5860.00	43.1 AV	54.0	-10.9	1.91 V	136	39.60	3.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.



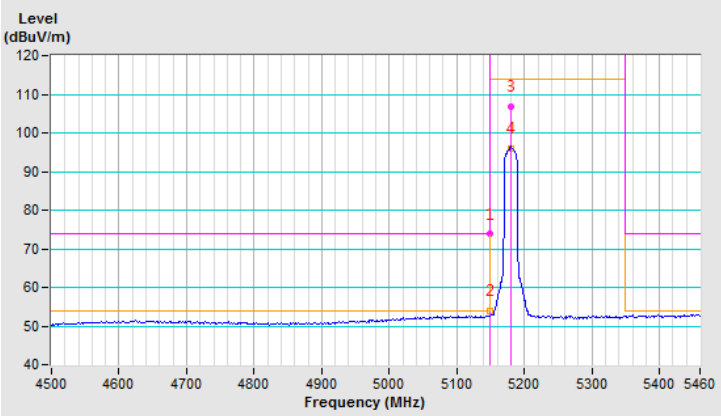
802.11ac (VHT20)

CHANNEL	TX Channel 36	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	73.8 PK	74.0	-0.2	1.92 H	49	68.69	5.11
2	**5150.00**	**53.9 AV**	**54.0**	**-0.1**	**1.92 H**	**49**	**48.79**	**5.11**
3	*5180.00	106.9 PK			1.92 H	49	101.68	5.22
4	*5180.00	96.0 AV			1.92 H	49	90.78	5.22

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

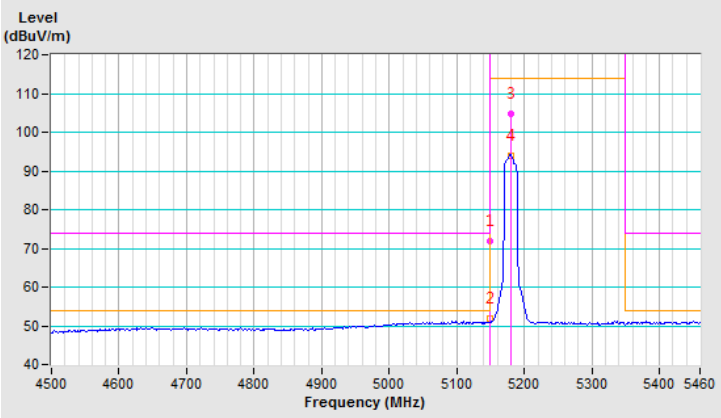


CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	71.9 PK	74.0	-2.1	1.90 V	146	70.92	0.98
2	5150.00	52.0 AV	54.0	-2.0	1.90 V	146	51.02	0.98
3	*5180.00	104.9 PK			1.90 V	146	103.87	1.03
4	*5180.00	94.0 AV			1.90 V	146	92.97	1.03

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

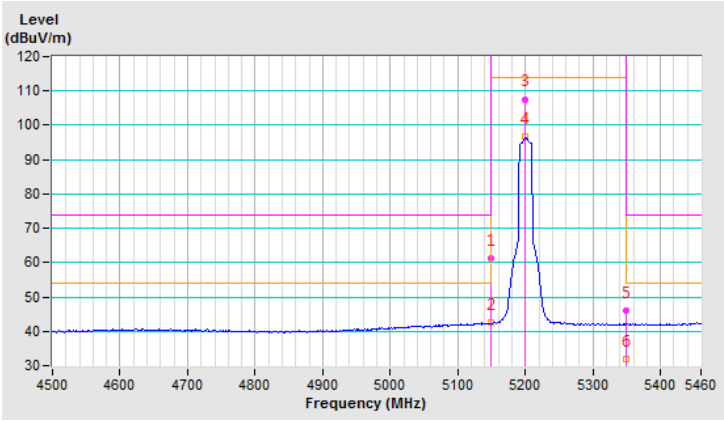


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	61.2 PK	74.0	-12.8	1.92 H	49	56.09	5.11
2	5150.00	42.7 AV	54.0	-11.3	1.92 H	49	37.59	5.11
3	*5200.00	107.6 PK			1.92 H	49	102.30	5.30
4	*5200.00	96.7 AV			1.92 H	49	91.40	5.30
5	5350.00	45.9 PK	74.0	-28.1	1.92 H	49	40.30	5.60
6	5350.00	31.9 AV	54.0	-22.1	1.92 H	49	26.30	5.60

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

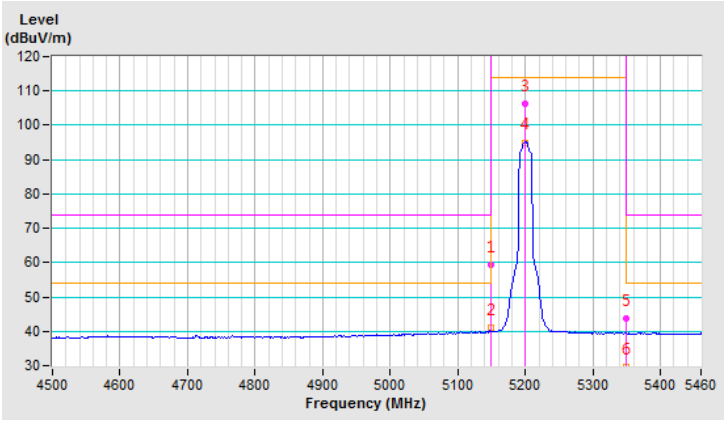


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.5 PK	74.0	-14.5	1.99 V	141	58.52	0.98
2	5150.00	41.2 AV	54.0	-12.8	1.99 V	141	40.22	0.98
3	*5200.00	106.1 PK			1.99 V	141	105.03	1.07
4	*5200.00	95.0 AV			1.99 V	141	93.93	1.07
5	5350.00	43.7 PK	74.0	-30.3	1.99 V	141	42.40	1.30
6	5350.00	29.5 AV	54.0	-24.5	1.99 V	141	28.20	1.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

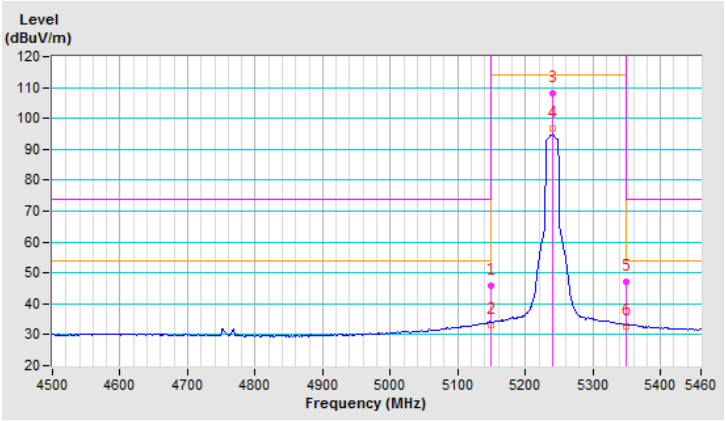


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	46.0 PK	74.0	-28.0	2.07 H	49	40.89	5.11
2	5150.00	33.3 AV	54.0	-20.7	2.07 H	49	28.19	5.11
3	*5240.00	108.2 PK			2.07 H	49	102.83	5.37
4	*5240.00	96.6 AV			2.07 H	49	91.23	5.37
5	5350.00	47.2 PK	74.0	-26.8	2.07 H	49	41.60	5.60
6	5350.00	32.6 AV	54.0	-21.4	2.07 H	49	27.00	5.60

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

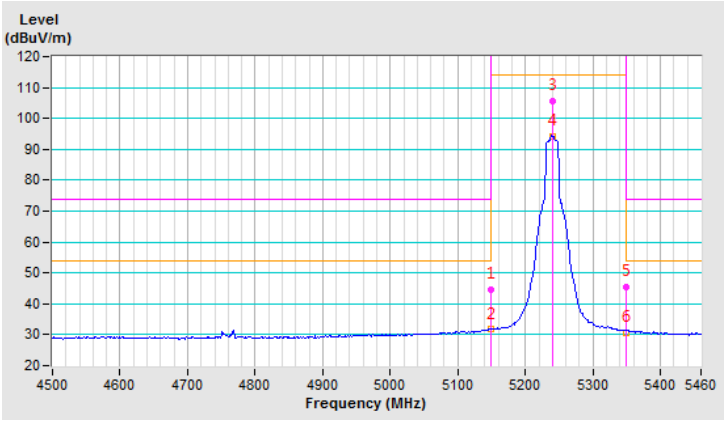


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	44.5 PK	74.0	-29.5	1.98 V	127	43.52	0.98
2	5150.00	31.7 AV	54.0	-22.3	1.98 V	127	30.72	0.98
3	*5240.00	105.6 PK			1.98 V	127	104.44	1.16
4	*5240.00	94.2 AV			1.98 V	127	93.04	1.16
5	5350.00	45.3 PK	74.0	-28.7	1.98 V	127	44.00	1.30
6	5350.00	30.5 AV	54.0	-23.5	1.98 V	127	29.20	1.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

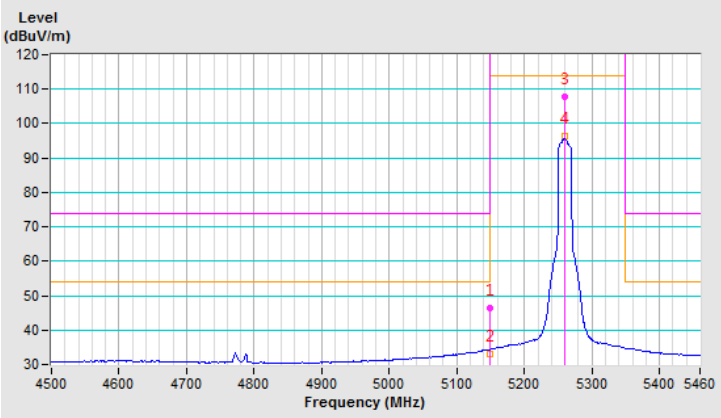


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	46.3 PK	74.0	-27.7	1.93 H	51	41.19	5.11
2	5150.00	33.0 AV	54.0	-21.0	1.93 H	51	27.89	5.11
3	*5260.00	107.7 PK			1.93 H	51	102.29	5.41
4	*5260.00	96.5 AV			1.93 H	51	91.09	5.41

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

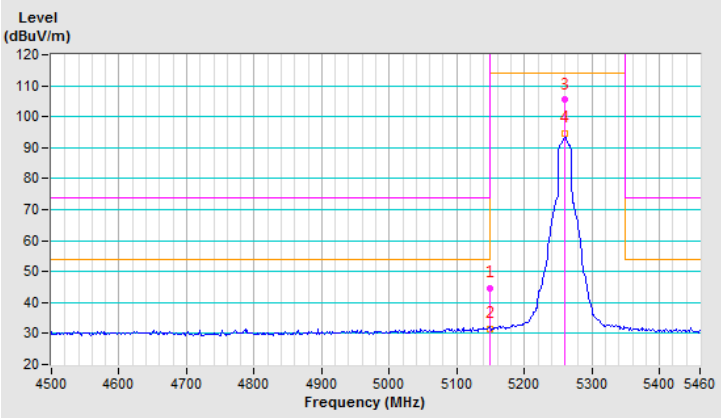


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	44.7 PK	74.0	-29.3	1.89 V	139	43.72	0.98
2	5150.00	31.4 AV	54.0	-22.6	1.89 V	139	30.42	0.98
3	*5260.00	105.4 PK			1.89 V	139	104.18	1.22
4	*5260.00	94.5 AV			1.89 V	139	93.28	1.22

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

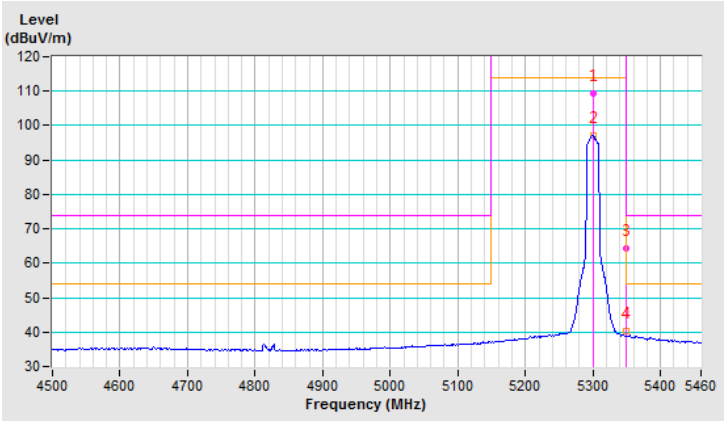


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	109.4 PK			1.93 H	48	103.92	5.48
2	*5300.00	97.2 AV			1.93 H	48	91.72	5.48
3	5350.00	64.3 PK	74.0	-9.7	1.93 H	48	58.70	5.60
4	5350.00	40.3 AV	54.0	-13.7	1.93 H	48	34.70	5.60

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

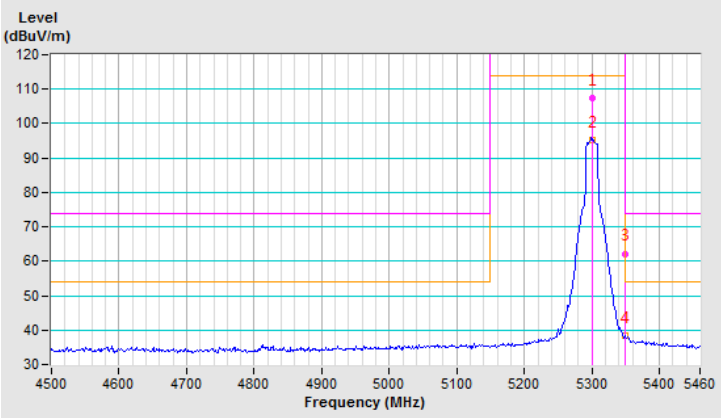


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	107.4 PK			2.00 V	141	106.09	1.31
2	*5300.00	95.1 AV			2.00 V	141	93.79	1.31
3	5350.00	62.2 PK	74.0	-11.8	2.00 V	141	60.90	1.30
4	5350.00	38.2 AV	54.0	-15.8	2.00 V	141	36.90	1.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

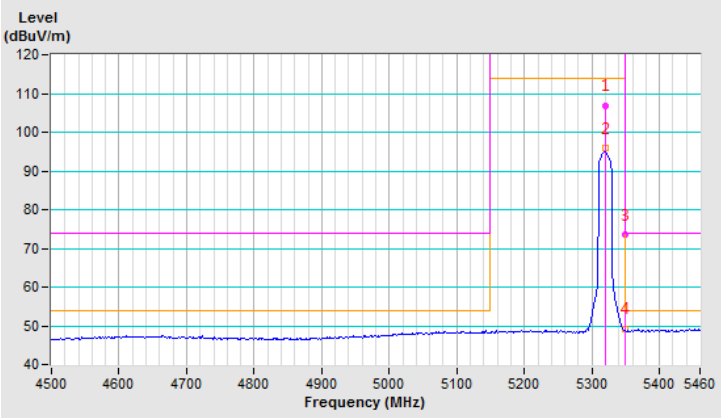


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	106.7 PK			1.85 H	49	101.16	5.54
2	*5320.00	95.8 AV			1.85 H	49	90.26	5.54
3	5350.00	73.4 PK	74.0	-0.6	1.85 H	49	67.80	5.60
4	5350.00	49.3 AV	54.0	-4.7	1.85 H	49	43.70	5.60

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

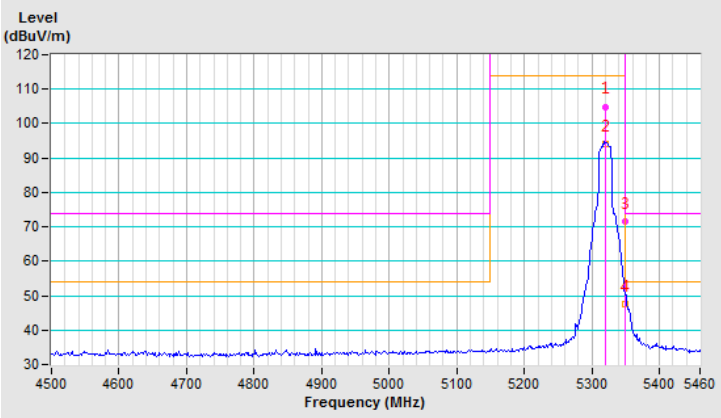


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	104.9 PK			1.91 V	131	103.59	1.31
2	*5320.00	94.1 AV			1.91 V	131	92.79	1.31
3	5350.00	71.6 PK	74.0	-2.4	1.91 V	131	70.30	1.30
4	5350.00	47.4 AV	54.0	-6.6	1.91 V	131	46.10	1.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

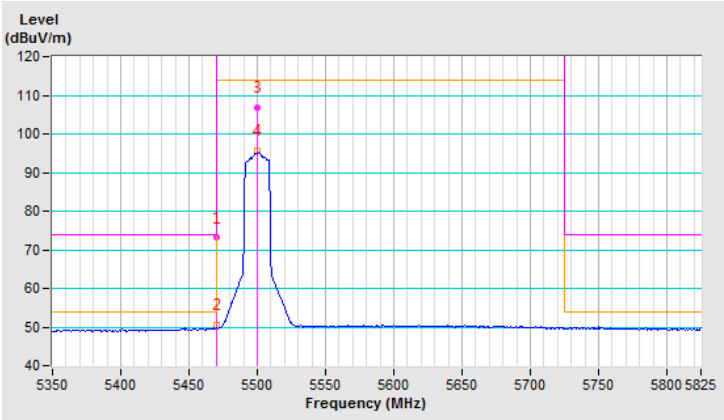


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	73.1 PK	74.0	-0.9	1.85 H	46	67.24	5.86
2	#5470.00	50.6 AV	54.0	-3.4	1.85 H	46	44.74	5.86
3	*5500.00	106.9 PK			1.85 H	46	100.98	5.92
4	*5500.00	95.7 AV			1.85 H	46	89.78	5.92

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

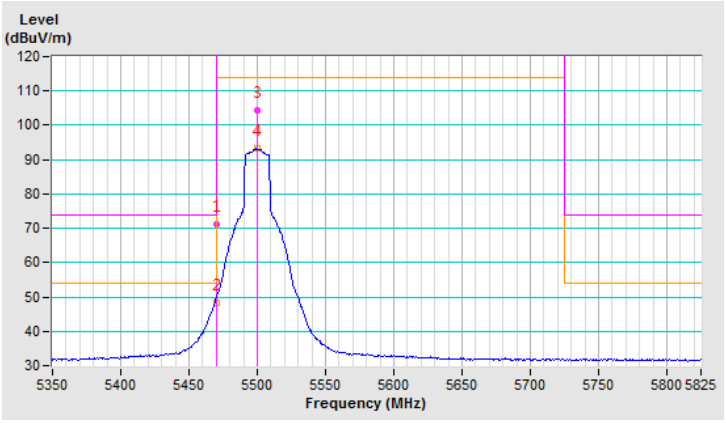


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	71.0 PK	74.0	-3.0	1.98 V	150	69.63	1.37
2	#5470.00	48.3 AV	54.0	-5.7	1.98 V	150	46.93	1.37
3	*5500.00	104.2 PK			1.98 V	150	102.80	1.40
4	*5500.00	93.2 AV			1.98 V	150	91.80	1.40

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

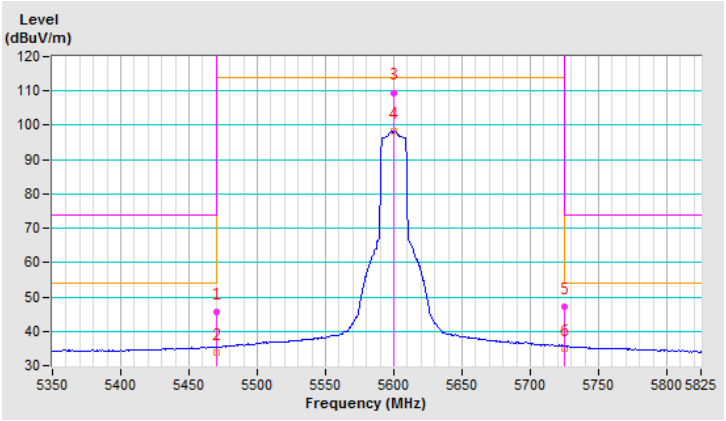


CHANNEL	TX Channel 120	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	45.6 PK	74.0	-28.4	1.85 H	49	39.74	5.86
2	#5470.00	33.8 AV	54.0	-20.2	1.85 H	49	27.94	5.86
3	*5600.00	109.5 PK			1.85 H	49	103.78	5.72
4	*5600.00	98.2 AV			1.85 H	49	92.48	5.72
5	#5725.00	47.3 PK	74.0	-26.7	1.85 H	49	41.39	5.91
6	#5725.00	35.1 AV	54.0	-18.9	1.85 H	49	29.19	5.91

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

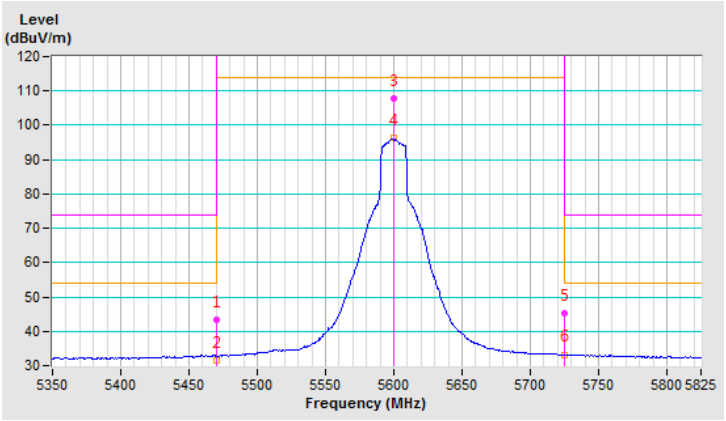


CHANNEL	TX Channel 120	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	43.4 PK	74.0	-30.6	1.94 V	132	42.03	1.37
2	#5470.00	31.6 AV	54.0	-22.4	1.94 V	132	30.23	1.37
3	*5600.00	107.7 PK			1.94 V	132	106.08	1.62
4	*5600.00	96.4 AV			1.94 V	132	94.78	1.62
5	#5725.00	45.3 PK	74.0	-28.7	1.94 V	132	43.48	1.82
6	#5725.00	33.2 AV	54.0	-20.8	1.94 V	132	31.38	1.82

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

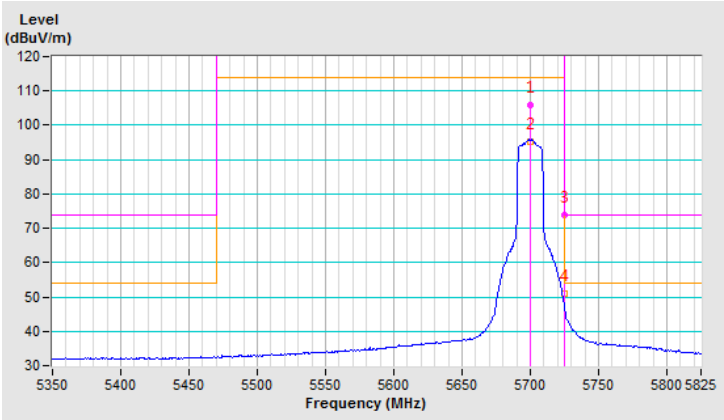


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	105.9 PK			1.85 H	51	99.96	5.94
2	*5700.00	95.3 AV			1.85 H	51	89.36	5.94
3	**#5725.00**	**73.9 PK**	**74.0**	**-0.1**	**1.85 H**	**51**	**67.99**	**5.91**
4	#5725.00	51.1 AV	54.0	-2.9	1.85 H	51	45.19	5.91

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

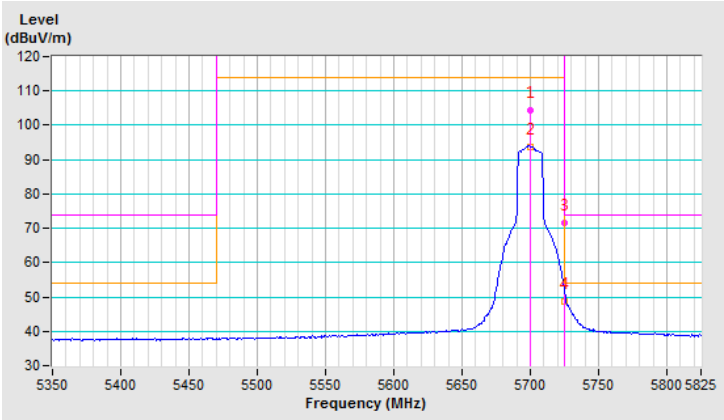


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	104.2 PK			1.88 V	123	102.44	1.76
2	*5700.00	93.5 AV			1.88 V	123	91.74	1.76
3	#5725.00	71.6 PK	74.0	-2.4	1.88 V	123	69.78	1.82
4	#5725.00	48.8 AV	54.0	-5.2	1.88 V	123	46.98	1.82

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

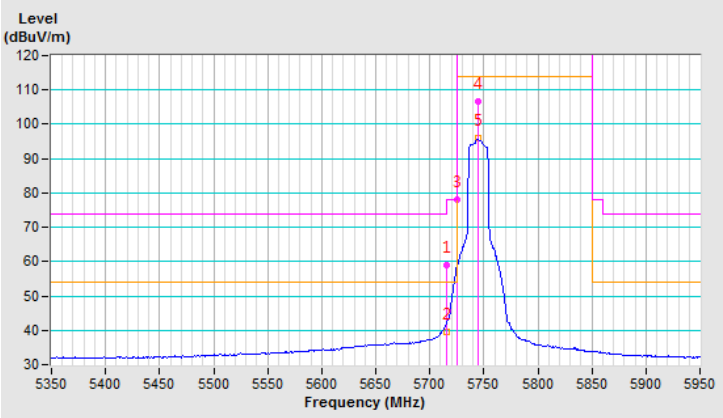


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	59.0 PK	74.0	-15.0	1.43 H	324	53.08	5.92
2	#5715.00	39.5 AV	54.0	-14.5	1.43 H	324	33.58	5.92
3	#5725.00	78.0 PK	78.2	-0.2	1.43 H	324	72.09	5.91
4	*5745.00	106.7 PK			1.43 H	324	100.81	5.89
5	*5745.00	95.8 AV			1.43 H	324	89.91	5.89

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

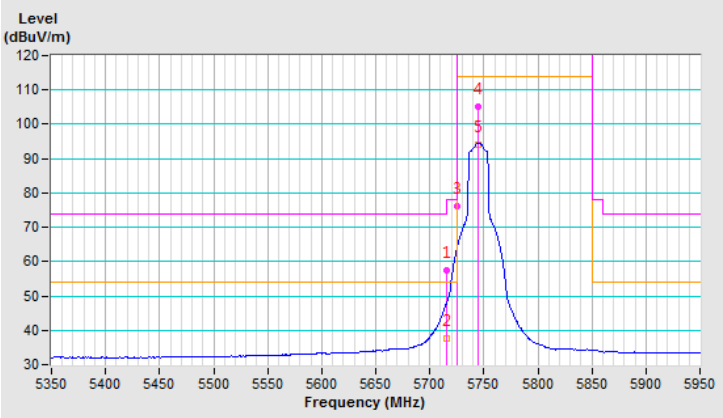


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	57.3 PK	74.0	-16.7	1.91 V	136	55.51	1.79
2	#5715.00	37.6 AV	54.0	-16.4	1.91 V	136	35.81	1.79
3	#5725.00	76.2 PK	78.2	-2.0	1.91 V	136	74.38	1.82
4	*5745.00	105.2 PK			1.91 V	136	103.34	1.86
5	*5745.00	94.1 AV			1.91 V	136	92.24	1.86

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

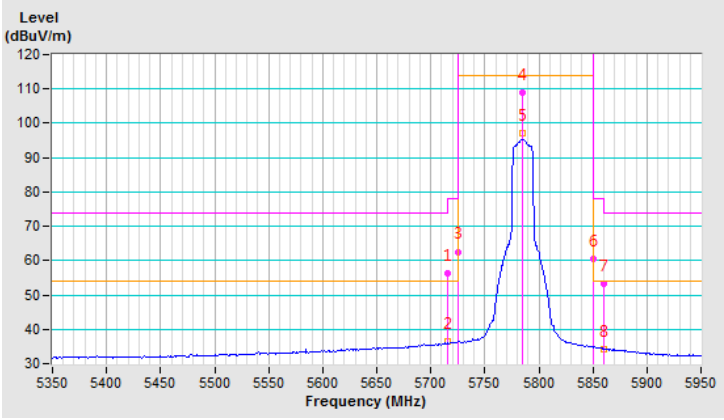


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	56.4 PK	74.0	-17.6	1.15 H	322	50.48	5.92
2	#5715.00	36.3 AV	54.0	-17.7	1.15 H	322	30.38	5.92
3	#5725.00	62.6 PK	78.2	-15.6	1.15 H	322	56.69	5.91
4	*5785.00	109.0 PK			1.15 H	322	103.15	5.85
5	*5785.00	97.1 AV			1.15 H	322	91.25	5.85
6	#5850.00	60.5 PK	78.2	-17.7	1.15 H	322	54.77	5.73
7	#5860.00	53.3 PK	74.0	-20.7	1.15 H	322	47.60	5.70
8	#5860.00	34.3 AV	54.0	-19.7	1.15 H	322	28.60	5.70

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

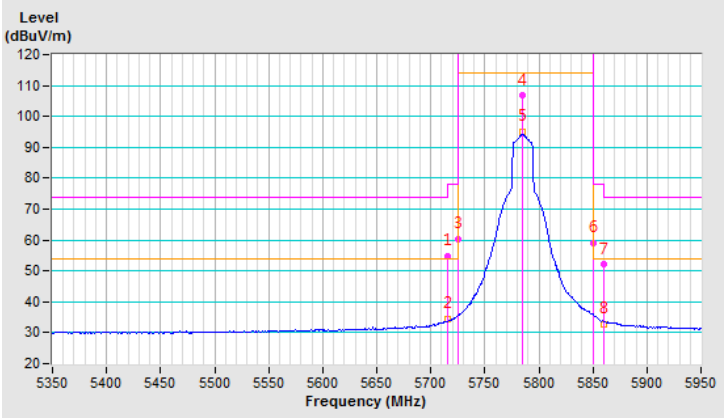


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	54.8 PK	74.0	-19.2	1.86 V	124	53.01	1.79
2	#5715.00	34.5 AV	54.0	-19.5	1.86 V	124	32.71	1.79
3	#5725.00	60.3 PK	78.2	-17.9	1.86 V	124	58.48	1.82
4	*5785.00	106.7 PK			1.86 V	124	104.74	1.96
5	*5785.00	94.9 AV			1.86 V	124	92.94	1.96
6	#5850.00	59.0 PK	78.2	-19.2	1.86 V	124	56.96	2.04
7	#5860.00	52.0 PK	74.0	-22.0	1.86 V	124	49.95	2.05
8	#5860.00	32.7 AV	54.0	-21.3	1.86 V	124	30.65	2.05

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

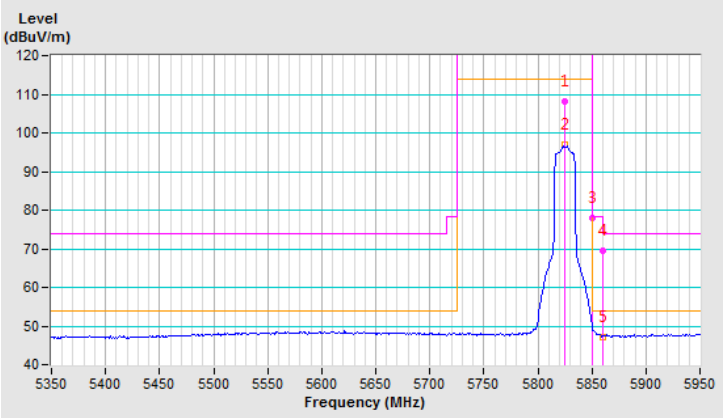


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	108.3 PK			1.02 H	325	102.52	5.78
2	*5825.00	96.9 AV			1.02 H	325	91.12	5.78
3	**#5850.00**	**78.1 PK**	**78.2**	**-0.1**	**1.02 H**	**325**	**72.37**	**5.73**
4	#5860.00	69.6 PK	74.0	-4.4	1.02 H	325	63.90	5.70
5	#5860.00	47.1 AV	54.0	-6.9	1.02 H	325	41.40	5.70

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

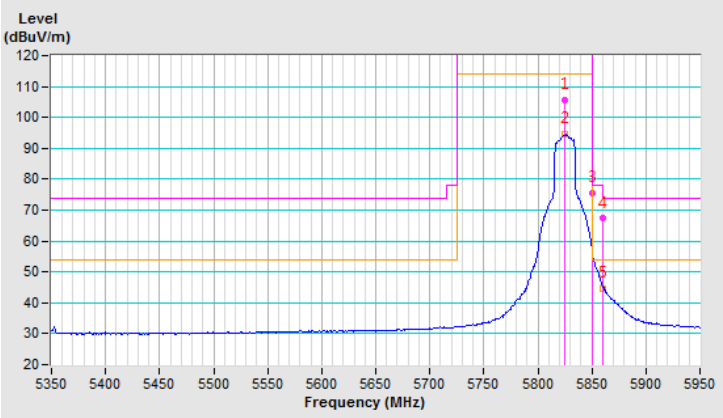


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	105.7 PK			1.87 V	139	103.69	2.01
2	*5825.00	94.6 AV			1.87 V	139	92.59	2.01
3	#5850.00	75.7 PK	78.2	-2.5	1.87 V	139	73.66	2.04
4	#5860.00	67.3 PK	74.0	-6.7	1.87 V	139	65.25	2.05
5	#5860.00	44.7 AV	54.0	-9.3	1.87 V	139	42.65	2.05

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.



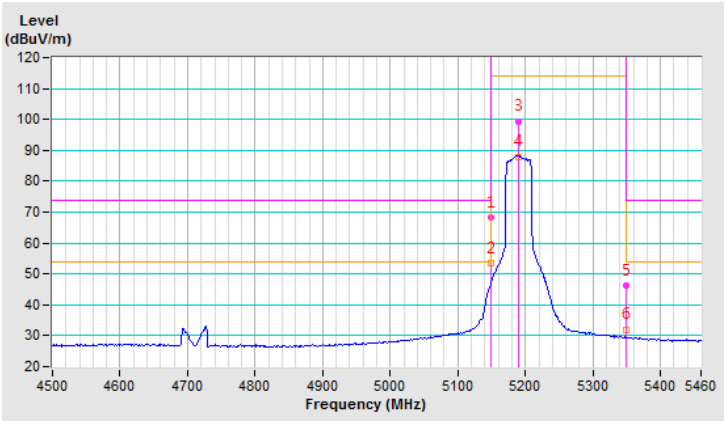
802.11ac (VHT40)

CHANNEL	TX Channel 38	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	68.1 PK	74.0	-5.9	1.00 H	323	62.99	5.11
2	5150.00	53.3 AV	54.0	-0.7	1.00 H	323	48.19	5.11
3	*5190.00	99.2 PK			1.00 H	323	93.95	5.25
4	*5190.00	88.0 AV			1.00 H	323	82.75	5.25
5	5350.00	46.1 PK	74.0	-27.9	1.00 H	323	40.50	5.60
6	5350.00	31.8 AV	54.0	-22.2	1.00 H	323	26.20	5.60

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

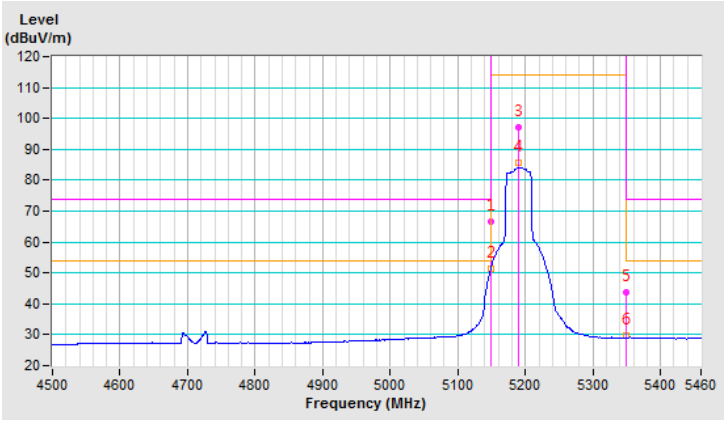


CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	66.5 PK	74.0	-7.5	1.92 V	121	65.52	0.98
2	5150.00	51.5 AV	54.0	-2.5	1.92 V	121	50.52	0.98
3	*5190.00	97.2 PK			1.92 V	121	96.14	1.06
4	*5190.00	85.8 AV			1.92 V	121	84.74	1.06
5	5350.00	43.9 PK	74.0	-30.1	1.92 V	121	42.60	1.30
6	5350.00	29.9 AV	54.0	-24.1	1.92 V	121	28.60	1.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

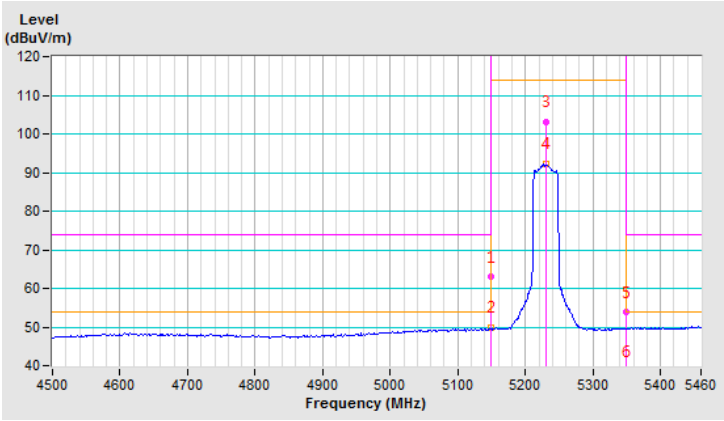


CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	62.9 PK	74.0	-11.1	1.00 H	318	57.79	5.11
2	5150.00	49.8 AV	54.0	-4.2	1.00 H	318	44.69	5.11
3	*5230.00	103.2 PK			1.00 H	318	97.85	5.35
4	*5230.00	92.2 AV			1.00 H	318	86.85	5.35
5	5350.00	53.8 PK	74.0	-20.2	1.00 H	318	48.20	5.60
6	5350.00	38.4 AV	54.0	-15.6	1.00 H	318	32.80	5.60

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

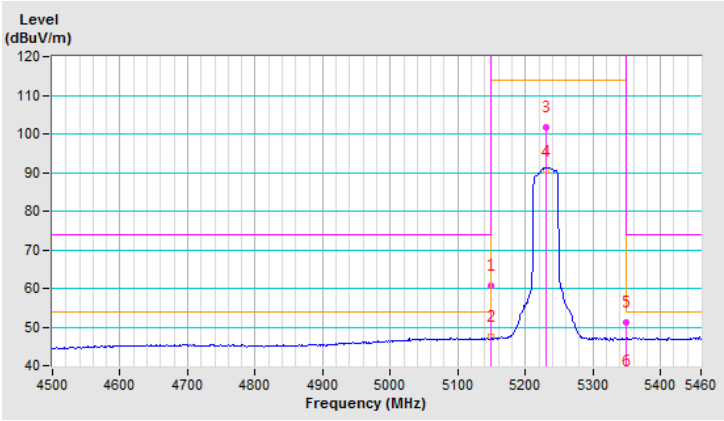


CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	60.6 PK	74.0	-13.4	1.95 V	151	59.62	0.98
2	5150.00	47.5 AV	54.0	-6.5	1.95 V	151	46.52	0.98
3	*5230.00	101.7 PK			1.95 V	151	100.56	1.14
4	*5230.00	90.4 AV			1.95 V	151	89.26	1.14
5	5350.00	51.2 PK	74.0	-22.8	1.95 V	151	49.90	1.30
6	5350.00	35.9 AV	54.0	-18.1	1.95 V	151	34.60	1.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

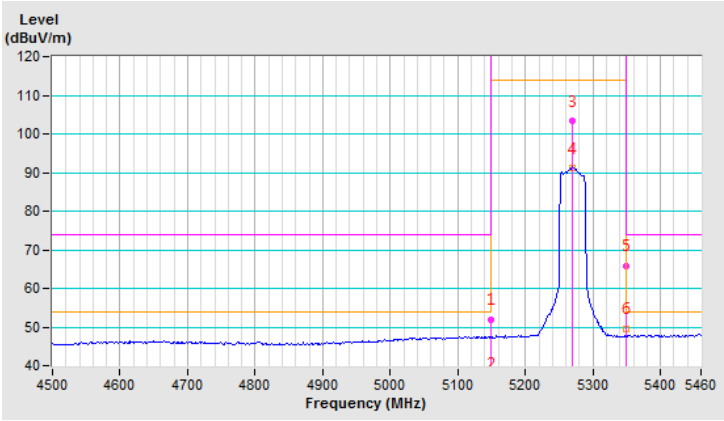


CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	51.8 PK	74.0	-22.2	1.00 H	320	46.69	5.11
2	5150.00	35.3 AV	54.0	-18.7	1.00 H	320	30.19	5.11
3	*5270.00	103.3 PK			1.00 H	320	97.87	5.43
4	*5270.00	91.1 AV			1.00 H	320	85.67	5.43
5	5350.00	65.9 PK	74.0	-8.1	1.00 H	320	60.30	5.60
6	5350.00	49.5 AV	54.0	-4.5	1.00 H	320	43.90	5.60

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

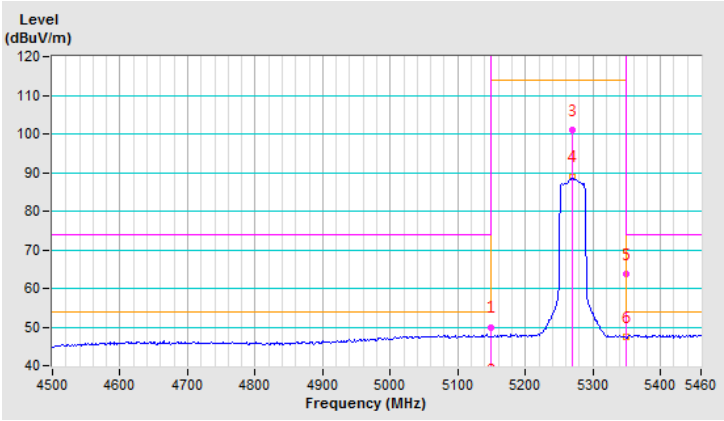


CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	50.0 PK	74.0	-24.0	1.89 V	121	49.02	0.98
2	5150.00	33.6 AV	54.0	-20.4	1.89 V	121	32.62	0.98
3	*5270.00	100.9 PK			1.89 V	121	99.66	1.24
4	*5270.00	88.9 AV			1.89 V	121	87.66	1.24
5	5350.00	63.6 PK	74.0	-10.4	1.89 V	121	62.30	1.30
6	5350.00	47.3 AV	54.0	-6.7	1.89 V	121	46.00	1.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

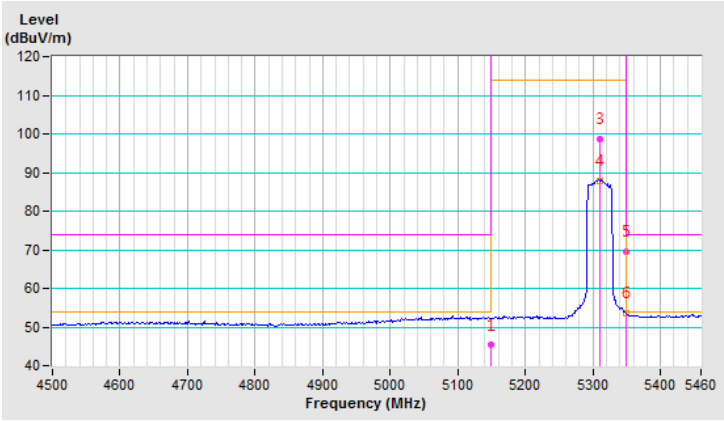


CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	45.3 PK	74.0	-28.7	1.13 H	319	40.19	5.11
2	5150.00	32.9 AV	54.0	-21.1	1.13 H	319	27.79	5.11
3	*5310.00	98.7 PK			1.13 H	319	93.19	5.51
4	*5310.00	87.9 AV			1.13 H	319	82.39	5.51
5	5350.00	69.5 PK	74.0	-4.5	1.13 H	319	63.90	5.60
6	5350.00	53.5 AV	54.0	-0.5	1.13 H	319	47.90	5.60

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

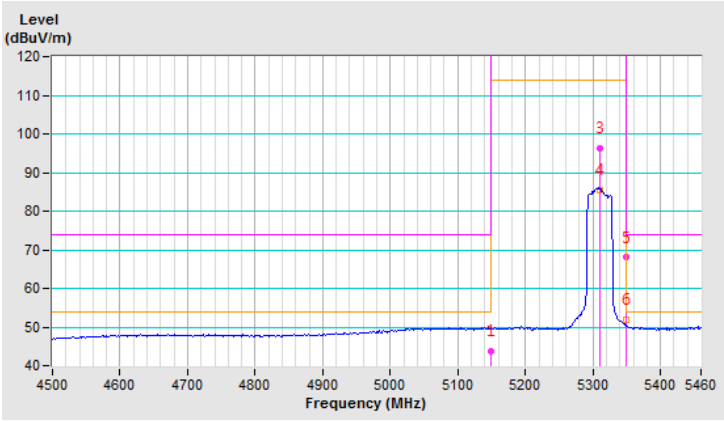


CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	43.8 PK	74.0	-30.2	1.96 V	138	42.82	0.98
2	5150.00	31.2 AV	54.0	-22.8	1.96 V	138	30.22	0.98
3	*5310.00	96.2 PK			1.96 V	138	94.90	1.30
4	*5310.00	85.5 AV			1.96 V	138	84.20	1.30
5	5350.00	68.0 PK	74.0	-6.0	1.96 V	138	66.70	1.30
6	5350.00	51.8 AV	54.0	-2.2	1.96 V	138	50.50	1.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

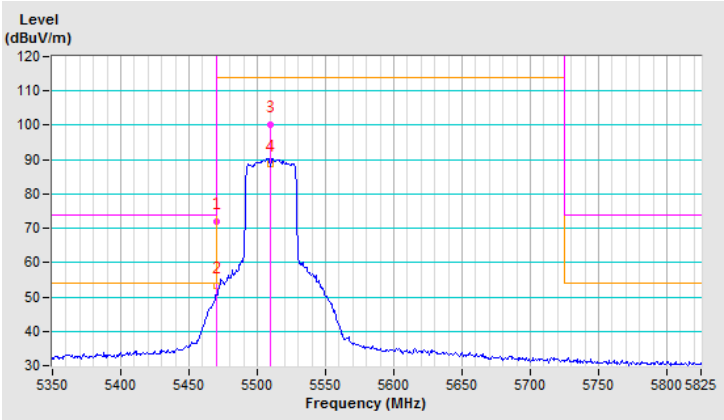


CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	71.8 PK	74.0	-2.2	1.09 H	334	65.94	5.86
2	#5470.00	53.1 AV	54.0	-0.9	1.09 H	334	47.24	5.86
3	*5510.00	100.0 PK			1.09 H	334	94.10	5.90
4	*5510.00	88.8 AV			1.09 H	334	82.90	5.90

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

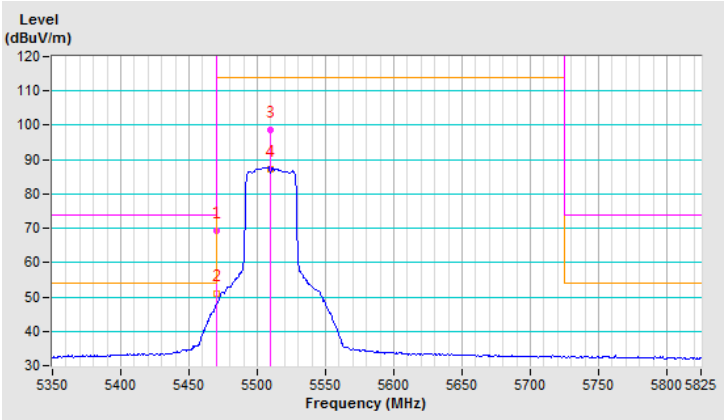


CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	69.4 PK	74.0	-4.6	1.92 V	138	68.03	1.37
2	#5470.00	50.9 AV	54.0	-3.1	1.92 V	138	49.53	1.37
3	*5510.00	98.7 PK			1.92 V	138	97.29	1.41
4	*5510.00	87.2 AV			1.92 V	138	85.79	1.41

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

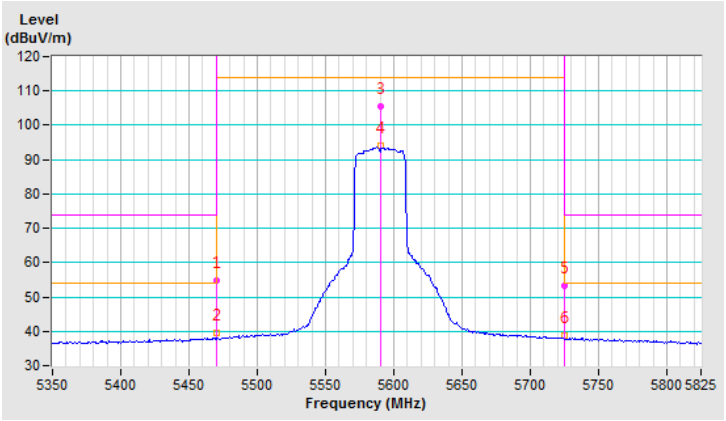


CHANNEL	TX Channel 118	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	54.9 PK	74.0	-19.1	1.07 H	328	49.04	5.86
2	#5470.00	39.5 AV	54.0	-14.5	1.07 H	328	33.64	5.86
3	*5590.00	105.6 PK			1.07 H	328	99.86	5.74
4	*5590.00	93.9 AV			1.07 H	328	88.16	5.74
5	#5725.00	53.4 PK	74.0	-20.6	1.07 H	328	47.49	5.91
6	#5725.00	38.7 AV	54.0	-15.3	1.07 H	328	32.79	5.91

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

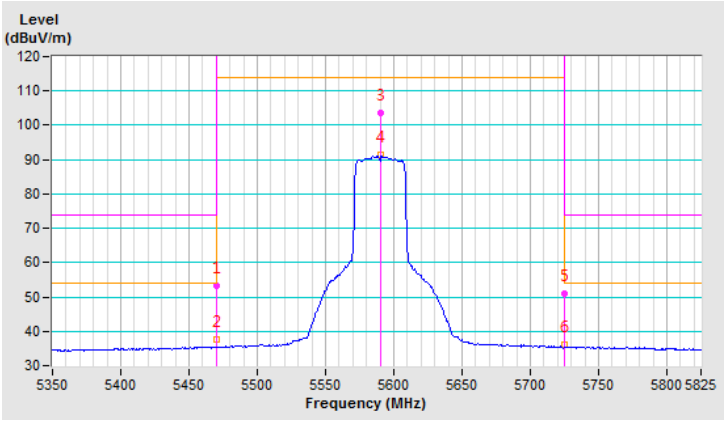


CHANNEL	TX Channel 118	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	53.2 PK	74.0	-20.8	1.89 V	149	51.83	1.37
2	#5470.00	37.7 AV	54.0	-16.3	1.89 V	149	36.33	1.37
3	*5590.00	103.5 PK			1.89 V	149	101.90	1.60
4	*5590.00	91.5 AV			1.89 V	149	89.90	1.60
5	#5725.00	51.0 PK	74.0	-23.0	1.89 V	149	49.18	1.82
6	#5725.00	36.2 AV	54.0	-17.8	1.89 V	149	34.38	1.82

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

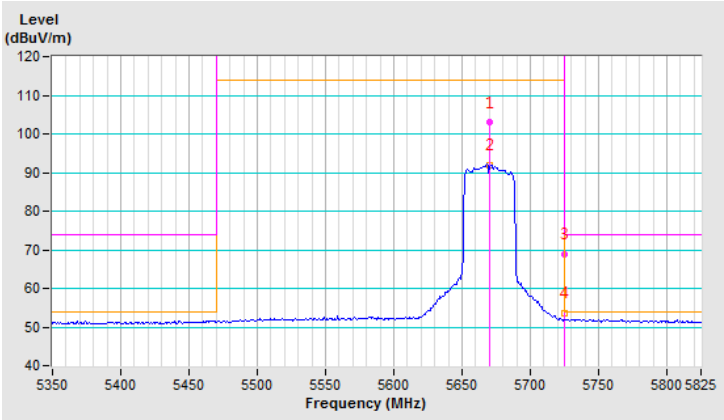


CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	102.9 PK			1.06 H	329	97.03	5.87
2	*5670.00	91.9 AV			1.06 H	329	86.03	5.87
3	#5725.00	68.9 PK	74.0	-5.1	1.06 H	329	62.99	5.91
4	#5725.00	53.5 AV	54.0	-0.5	1.06 H	329	47.59	5.91

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

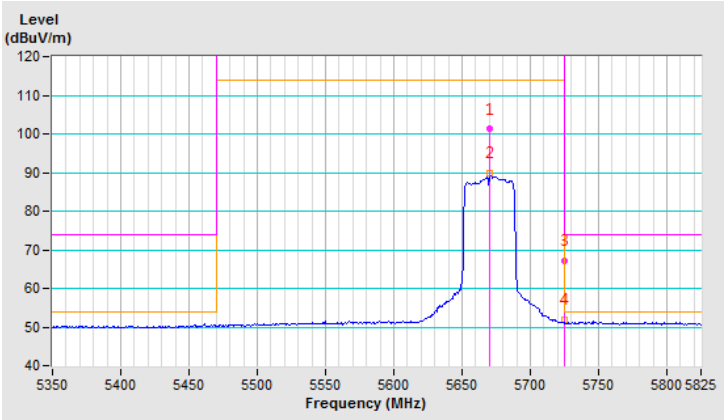


CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	101.2 PK			1.86 V	136	99.48	1.72
2	*5670.00	89.9 AV			1.86 V	136	88.18	1.72
3	#5725.00	67.1 PK	74.0	-6.9	1.86 V	136	65.28	1.82
4	#5725.00	51.8 AV	54.0	-2.2	1.86 V	136	49.98	1.82

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

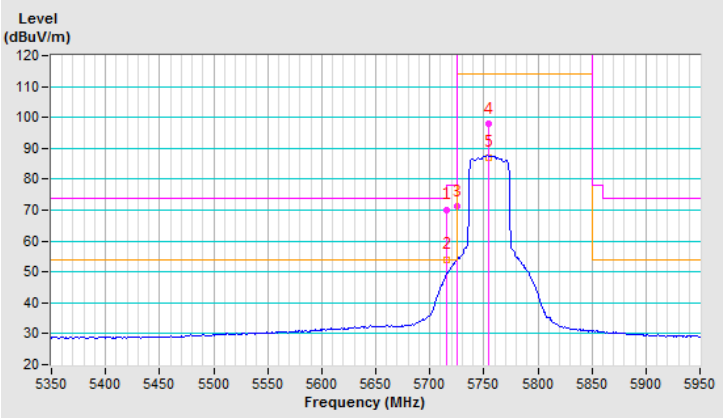


CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	70.2 PK	74.0	-3.8	1.18 H	324	64.28	5.92
2	#5715.00	53.8 AV	54.0	-0.2	1.18 H	324	47.88	5.92
3	#5725.00	71.1 PK	78.2	-7.1	1.18 H	324	65.19	5.91
4	*5755.00	97.8 PK			1.18 H	324	91.92	5.88
5	*5755.00	87.1 AV			1.18 H	324	81.22	5.88

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

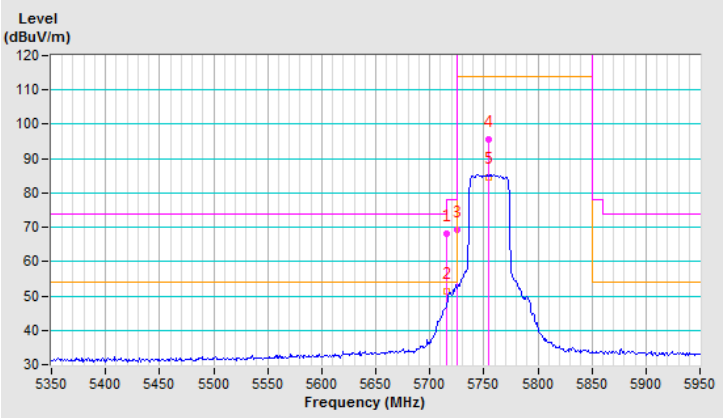


CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	68.2 PK	74.0	-5.8	1.90 V	143	66.41	1.79
2	#5715.00	51.5 AV	54.0	-2.5	1.90 V	143	49.71	1.79
3	#5725.00	69.2 PK	78.2	-9.0	1.90 V	143	67.38	1.82
4	*5755.00	95.7 PK			1.90 V	143	93.81	1.89
5	*5755.00	84.7 AV			1.90 V	143	82.81	1.89

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

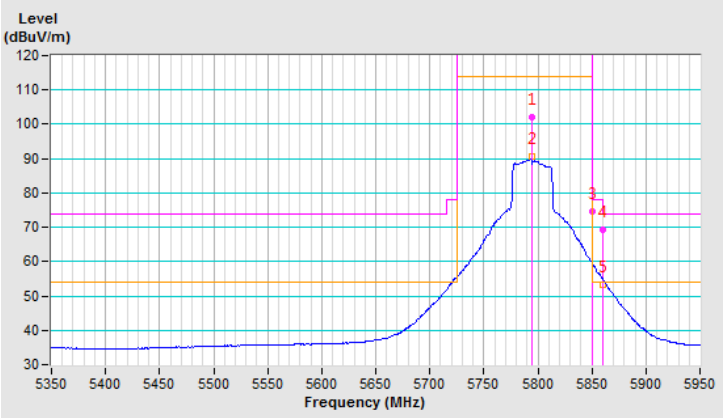


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	102.2 PK			1.18 H	323	96.36	5.84
2	*5795.00	90.6 AV			1.18 H	323	84.76	5.84
3	#5850.00	74.5 PK	78.2	-3.7	1.18 H	323	68.77	5.73
4	#5860.00	69.4 PK	74.0	-4.6	1.18 H	323	63.70	5.70
5	#5860.00	53.3 AV	54.0	-0.7	1.18 H	323	47.60	5.70

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

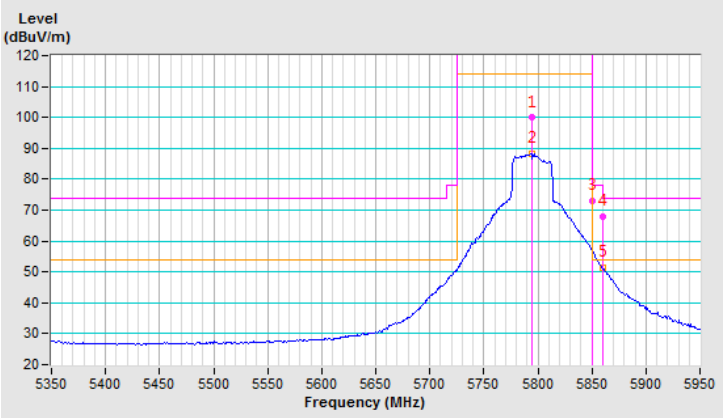


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	99.9 PK			1.86 V	144	97.92	1.98
2	*5795.00	88.3 AV			1.86 V	144	86.32	1.98
3	#5850.00	73.0 PK	78.2	-5.2	1.86 V	144	70.96	2.04
4	#5860.00	67.8 PK	74.0	-6.2	1.86 V	144	65.75	2.05
5	#5860.00	51.4 AV	54.0	-2.6	1.86 V	144	49.35	2.05

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.



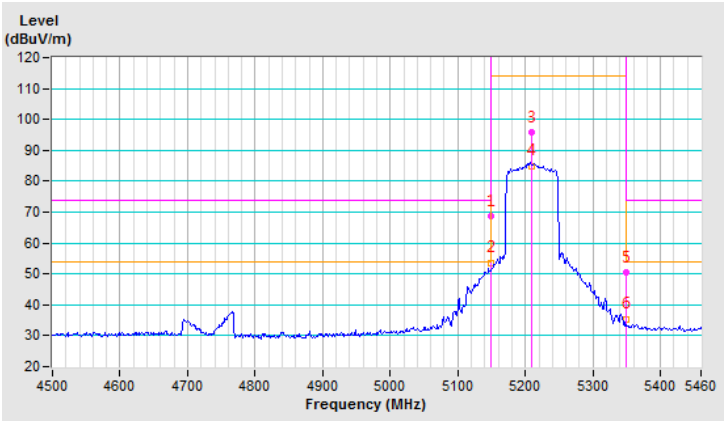
802.11ac (VHT80)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	68.6 PK	74.0	-5.4	1.36 H	325	63.49	5.11
2	5150.00	53.5 AV	54.0	-0.5	1.36 H	325	48.39	5.11
3	*5210.00	95.7 PK			1.36 H	325	90.38	5.32
4	*5210.00	85.0 AV			1.36 H	325	79.68	5.32
5	5350.00	50.3 PK	74.0	-23.7	1.36 H	325	44.70	5.60
6	5350.00	35.2 AV	54.0	-18.8	1.36 H	325	29.60	5.60

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

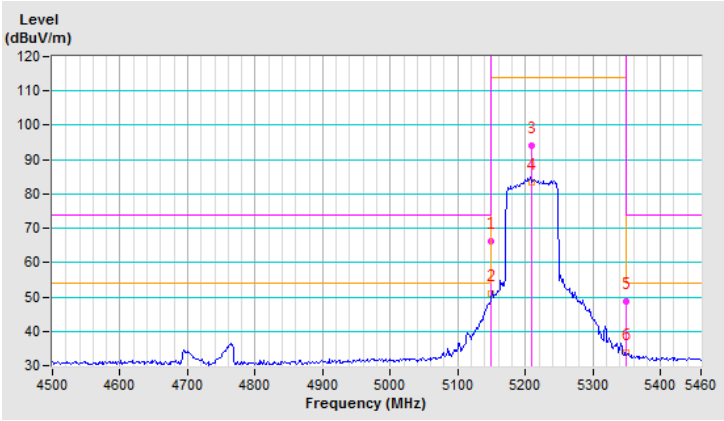


CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	66.1 PK	74.0	-7.9	1.91 V	137	65.12	0.98
2	5150.00	51.1 AV	54.0	-2.9	1.91 V	137	50.12	0.98
3	*5210.00	94.1 PK			1.91 V	137	93.00	1.10
4	*5210.00	83.5 AV			1.91 V	137	82.40	1.10
5	5350.00	48.8 PK	74.0	-25.2	1.91 V	137	47.50	1.30
6	5350.00	33.7 AV	54.0	-20.3	1.91 V	137	32.40	1.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

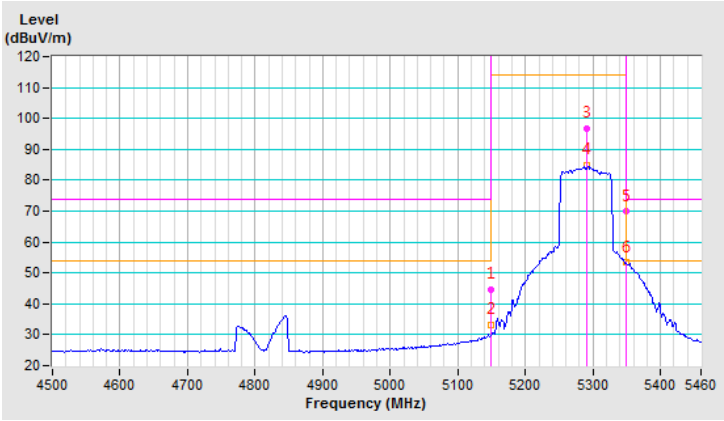


CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	44.7 PK	74.0	-29.3	1.36 H	327	39.59	5.11
2	5150.00	33.2 AV	54.0	-20.8	1.36 H	327	28.09	5.11
3	*5290.00	96.6 PK			1.36 H	327	91.14	5.46
4	*5290.00	84.8 AV			1.36 H	327	79.34	5.46
5	5350.00	69.8 PK	74.0	-4.2	1.36 H	327	64.20	5.60
6	5350.00	53.3 AV	54.0	-0.7	1.36 H	327	47.70	5.60

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

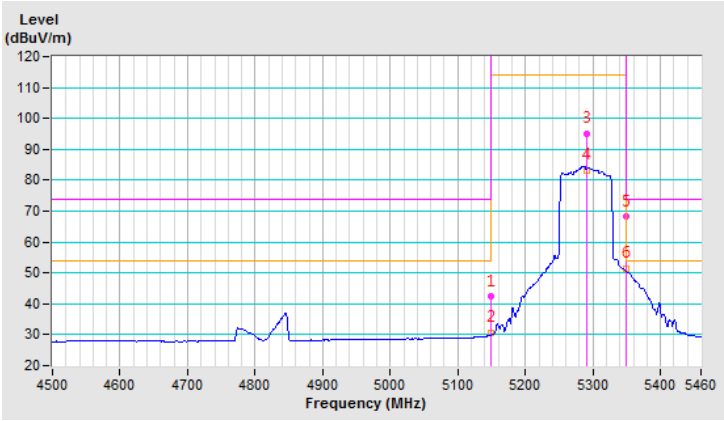


CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	42.3 PK	74.0	-31.7	1.92 V	124	41.32	0.98
2	5150.00	30.8 AV	54.0	-23.2	1.92 V	124	29.82	0.98
3	*5290.00	95.0 PK			1.92 V	124	93.72	1.28
4	*5290.00	83.1 AV			1.92 V	124	81.82	1.28
5	5350.00	68.1 PK	74.0	-5.9	1.92 V	124	66.80	1.30
6	5350.00	51.5 AV	54.0	-2.5	1.92 V	124	50.20	1.30

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

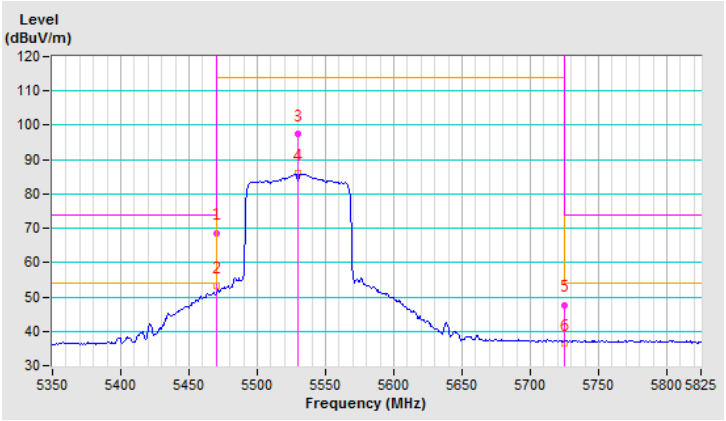


CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	68.7 PK	74.0	-5.3	1.79 H	325	67.33	1.37
2	#5470.00	53.3 AV	54.0	-0.7	1.79 H	325	51.93	1.37
3	*5530.00	97.6 PK			1.79 H	325	96.14	1.46
4	*5530.00	86.1 AV			1.79 H	325	84.64	1.46
5	#5725.00	47.7 PK	74.0	-26.3	1.79 H	325	45.88	1.82
6	#5725.00	36.6 AV	54.0	-17.4	1.79 H	325	34.78	1.82

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

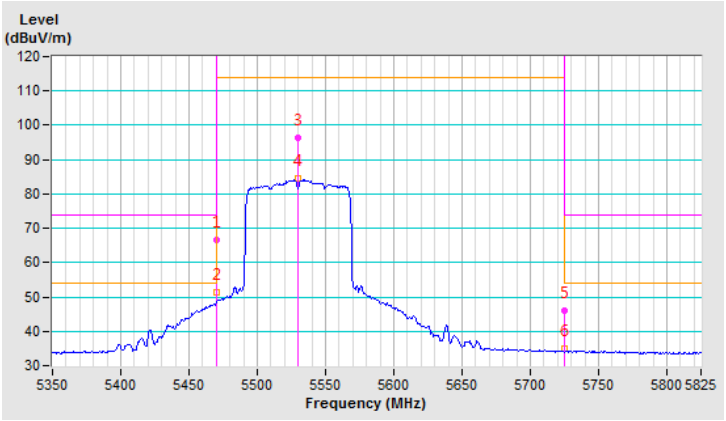


CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	66.5 PK	74.0	-7.5	1.95 V	143	60.64	5.86
2	#5470.00	51.2 AV	54.0	-2.8	1.95 V	143	45.34	5.86
3	*5530.00	96.2 PK			1.95 V	143	90.34	5.86
4	*5530.00	84.5 AV			1.95 V	143	78.64	5.86
5	#5725.00	46.1 PK	74.0	-27.9	1.95 V	143	40.19	5.91
6	#5725.00	34.9 AV	54.0	-19.1	1.95 V	143	28.99	5.91

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

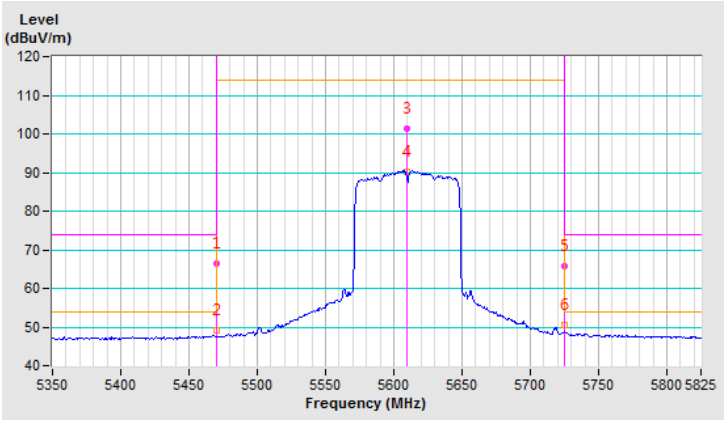


CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	66.4 PK	74.0	-7.6	1.75 H	318	60.54	5.86
2	#5470.00	49.1 AV	54.0	-4.9	1.75 H	318	43.24	5.86
3	*5610.00	101.5 PK			1.75 H	318	95.76	5.74
4	*5610.00	90.3 AV			1.75 H	318	84.56	5.74
5	#5725.00	65.8 PK	74.0	-8.2	1.75 H	318	59.89	5.91
6	#5725.00	50.5 AV	54.0	-3.5	1.75 H	318	44.59	5.91

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

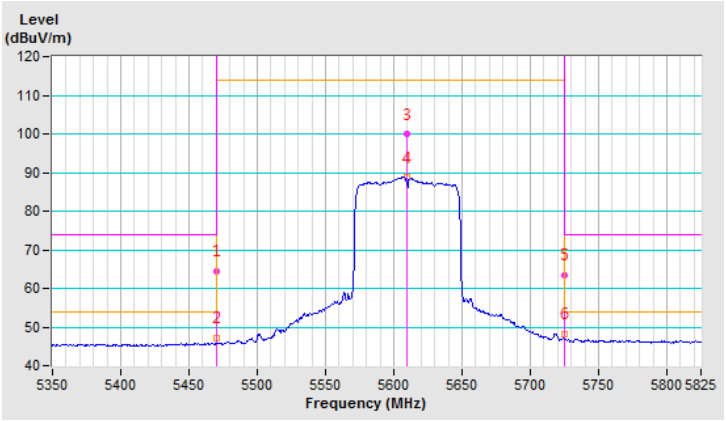


CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	64.5 PK	74.0	-9.5	1.88 V	122	63.13	1.37
2	#5470.00	47.2 AV	54.0	-6.8	1.88 V	122	45.83	1.37
3	*5610.00	99.9 PK			1.88 V	122	98.27	1.63
4	*5610.00	88.7 AV			1.88 V	122	87.07	1.63
5	#5725.00	63.5 PK	74.0	-10.5	1.88 V	122	61.68	1.82
6	#5725.00	48.2 AV	54.0	-5.8	1.88 V	122	46.38	1.82

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

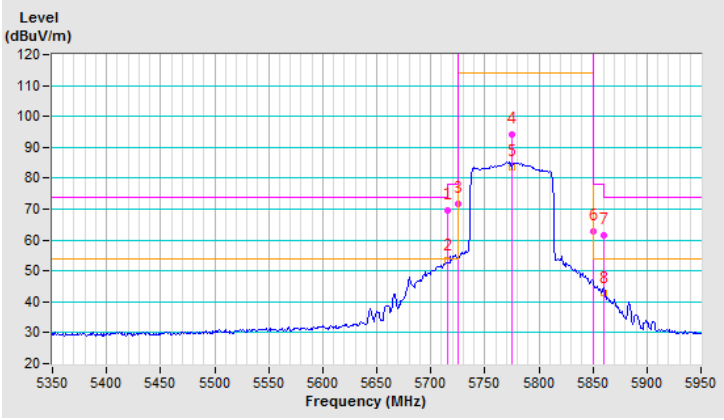


CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	69.6 PK	74.0	-4.4	1.60 H	338	63.68	5.92
2	#5715.00	53.3 AV	54.0	-0.7	1.60 H	338	47.38	5.92
3	#5725.00	71.9 PK	78.2	-6.3	1.60 H	338	65.99	5.91
4	*5775.00	94.3 PK			1.61 H	338	88.44	5.86
5	*5775.00	83.5 AV			1.61 H	338	77.64	5.86
6	#5850.00	62.9 PK	78.2	-15.3	1.60 H	338	57.17	5.73
7	#5860.00	61.4 PK	74.0	-12.6	1.60 H	338	55.70	5.70
8	#5860.00	42.7 AV	54.0	-11.3	1.60 H	338	37.00	5.70

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

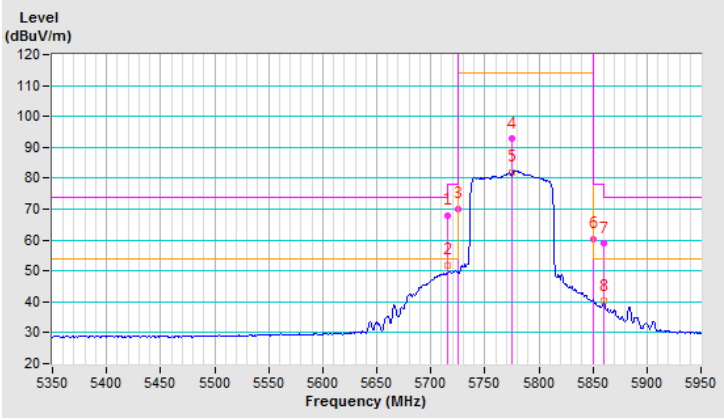


CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	67.9 PK	74.0	-6.1	1.91 V	120	66.11	1.79
2	#5715.00	51.7 AV	54.0	-2.3	1.91 V	120	49.91	1.79
3	#5725.00	70.2 PK	78.2	-8.0	1.91 V	120	68.38	1.82
4	*5775.00	92.7 PK			1.91 V	120	90.77	1.93
5	*5775.00	82.0 AV			1.91 V	120	80.07	1.93
6	#5850.00	60.3 PK	78.2	-17.9	1.91 V	120	58.26	2.04
7	#5860.00	58.8 PK	74.0	-15.2	1.91 V	120	56.75	2.05
8	#5860.00	40.2 AV	54.0	-13.8	1.91 V	120	38.15	2.05

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.



4.1.8 Test Results (Bandedge) (Mode 2)

Above 1GHz Data

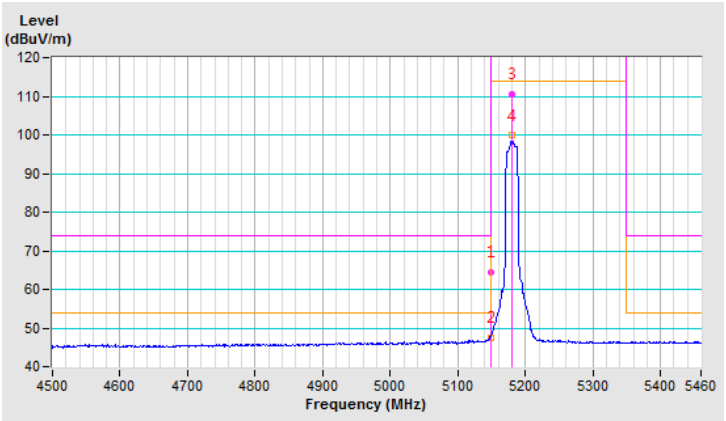
802.11ac (VHT20)

CHANNEL	TX Channel 36	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	64.4 PK	74.0	-9.6	1.59 H	216	62.03	2.37
2	5150.00	47.5 AV	54.0	-6.5	1.59 H	216	45.13	2.37
3	*5180.00	110.6 PK			1.58 H	216	108.20	2.40
4	*5180.00	99.9 AV			1.58 H	216	97.50	2.40

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

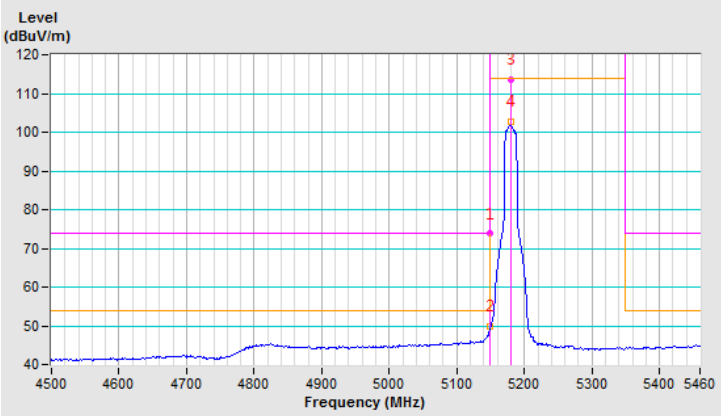


CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	73.8 PK	74.0	-0.2	1.62 V	208	35.09	38.71
2	5150.00	49.9 AV	54.0	-4.1	1.62 V	208	11.19	38.71
3	*5180.00	113.6 PK			1.62 V	208	74.84	38.76
4	*5180.00	102.7 AV			1.62 V	208	63.94	38.76

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

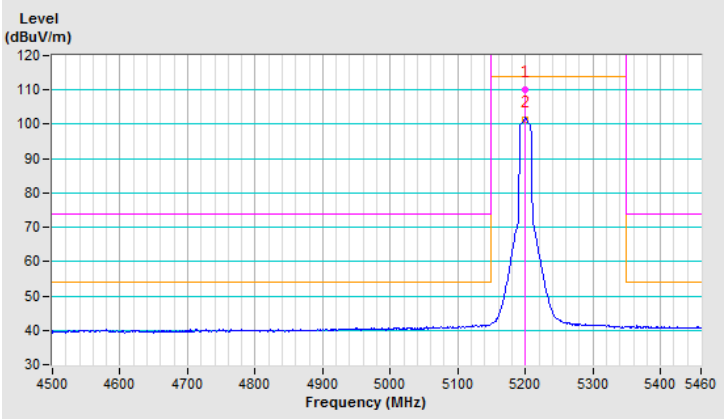


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	110.1 PK			1.72 H	51	107.67	2.43
2	*5200.00	101.4 AV			1.72 H	51	98.97	2.43

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

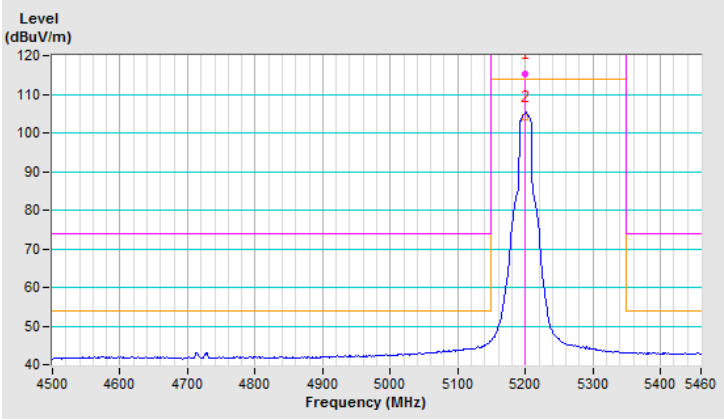


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	115.4 PK			1.83 V	210	112.97	2.43
2	*5200.00	104.0 AV			1.83 V	210	101.57	2.43

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

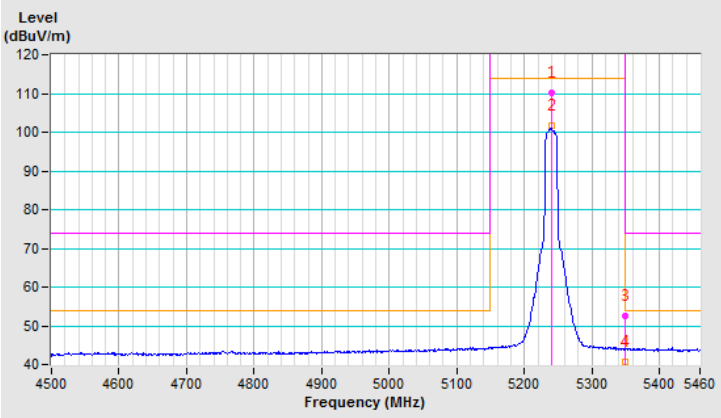


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	110.2 PK			1.80 H	50	107.70	2.50
2	*5240.00	101.8 AV			1.80 H	50	99.30	2.50
3	5350.00	52.5 PK	74.0	-21.5	1.80 H	50	49.85	2.65
4	5350.00	40.7 AV	54.0	-13.3	1.80 H	50	38.05	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

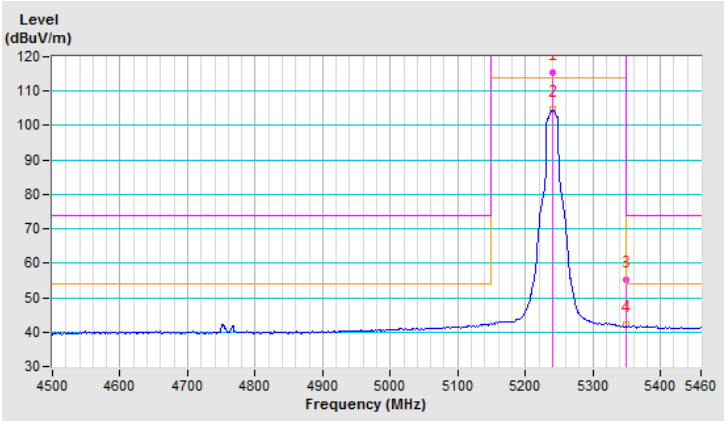


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	115.4 PK			1.69 V	203	112.90	2.50
2	*5240.00	104.8 AV			1.69 V	203	102.30	2.50
3	5350.00	55.0 PK	74.0	-19.0	1.69 V	203	52.35	2.65
4	5350.00	42.2 AV	54.0	-11.8	1.69 V	203	39.55	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

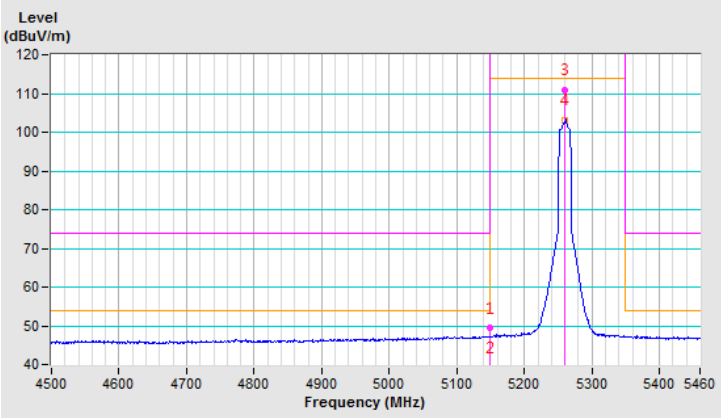


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	49.4 PK	74.0	-24.6	1.01 H	252	47.03	2.37
2	5150.00	39.0 AV	54.0	-15.0	1.01 H	252	36.63	2.37
3	*5260.00	111.0 PK			1.01 H	252	108.46	2.54
4	*5260.00	103.0 AV			1.01 H	252	100.46	2.54

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

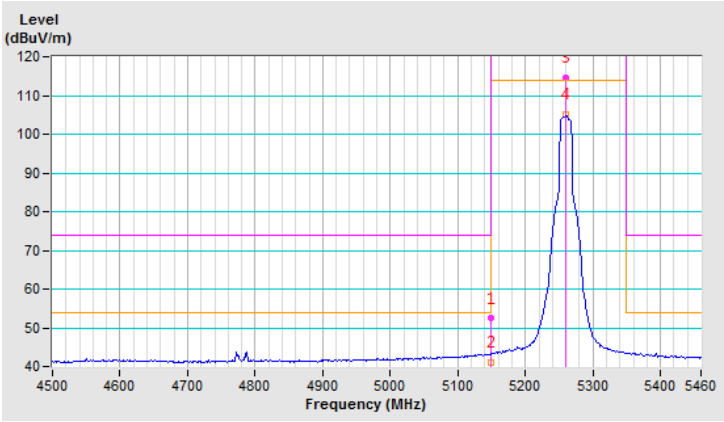


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	52.4 PK	74.0	-21.6	2.34 V	248	50.03	2.37
2	5150.00	41.1 AV	54.0	-12.9	2.34 V	248	38.73	2.37
3	*5260.00	114.5 PK			2.34 V	248	111.96	2.54
4	*5260.00	105.1 AV			2.34 V	248	102.56	2.54

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

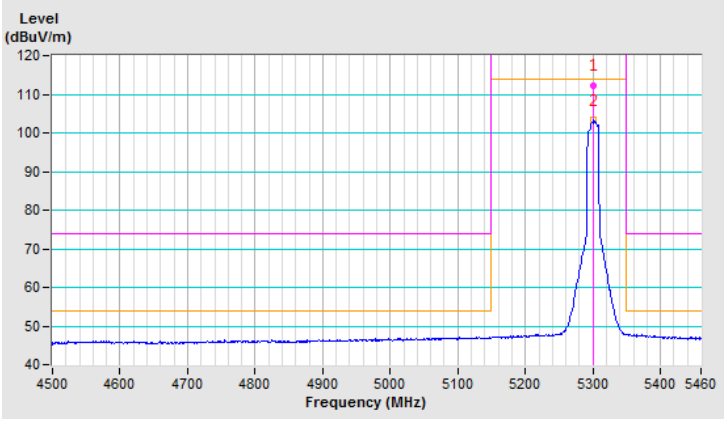


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	112.2 PK			1.94 H	194	109.59	2.61
2	*5300.00	103.3 AV			1.94 H	194	100.69	2.61

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

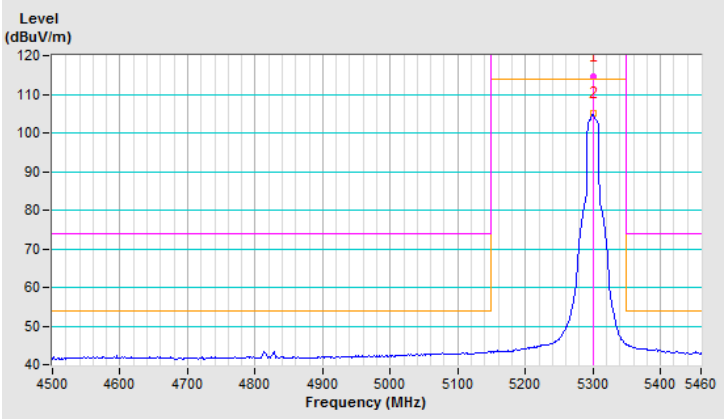


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	114.5 PK			2.36 V	246	111.89	2.61
2	*5300.00	105.2 AV			2.36 V	246	102.59	2.61

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

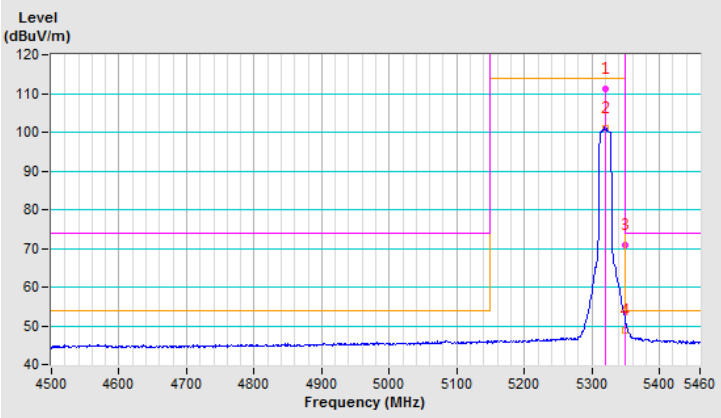


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	111.3 PK			1.81 H	195	108.67	2.63
2	*5320.00	101.0 AV			1.81 H	195	98.37	2.63
3	5350.00	70.8 PK	74.0	-3.2	1.81 H	195	68.15	2.65
4	5350.00	48.8 AV	54.0	-5.2	1.81 H	195	46.15	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

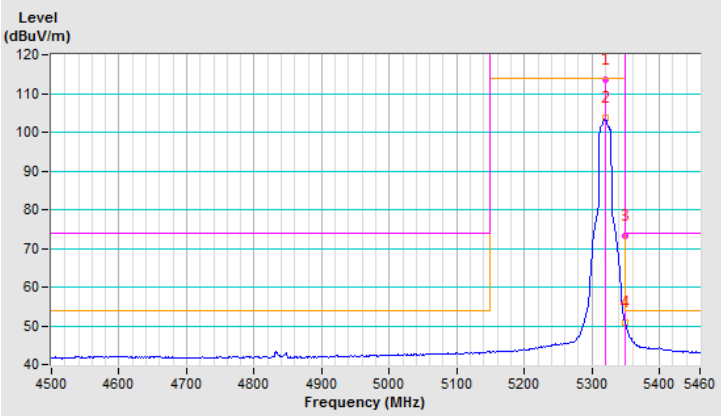


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	113.6 PK			2.40 V	249	110.97	2.63
2	*5320.00	103.8 AV			2.40 V	249	101.17	2.63
3	5350.00	73.3 PK	74.0	-0.7	2.40 V	249	70.65	2.65
4	5350.00	50.8 AV	54.0	-3.2	2.40 V	249	48.15	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

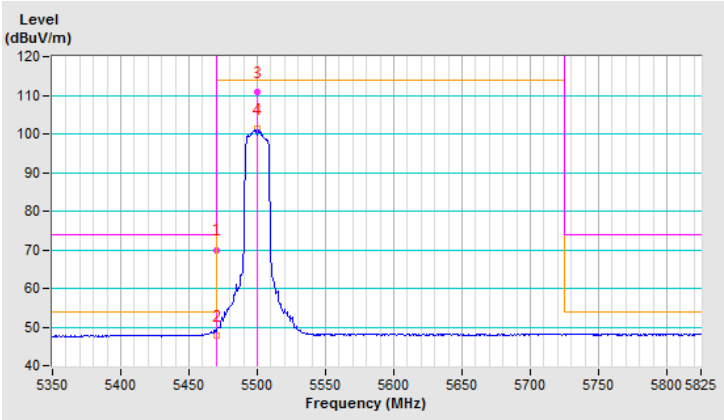


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	69.8 PK	74.0	-4.2	1.74 H	219	67.01	2.79
2	#5470.00	47.7 AV	54.0	-6.3	1.74 H	219	44.91	2.79
3	*5500.00	110.7 PK			1.74 H	219	107.87	2.83
4	*5500.00	101.2 AV			1.74 H	219	98.37	2.83

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

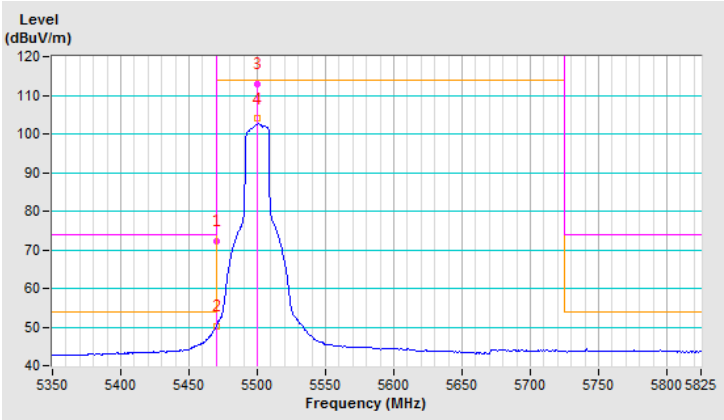


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	72.3 PK	74.0	-1.7	2.00 V	270	69.51	2.79
2	#5470.00	50.2 AV	54.0	-3.8	2.00 V	270	47.41	2.79
3	*5500.00	113.0 PK			2.00 V	270	110.17	2.83
4	*5500.00	103.9 AV			2.00 V	270	101.07	2.83

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

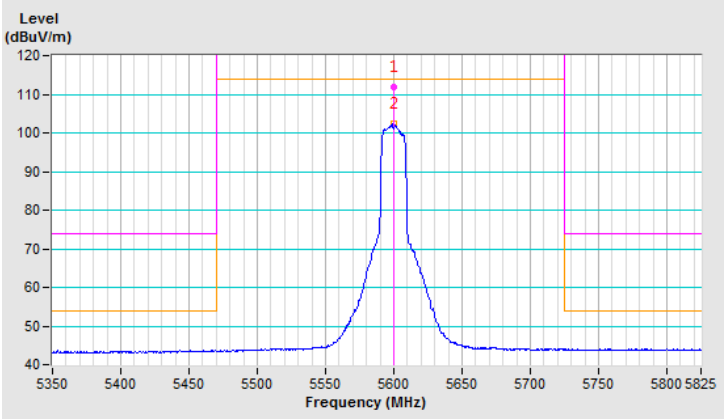


CHANNEL	TX Channel 120	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5600.00	112.0 PK			1.76 H	258	108.87	3.13
2	*5600.00	102.3 AV			1.76 H	258	99.17	3.13

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

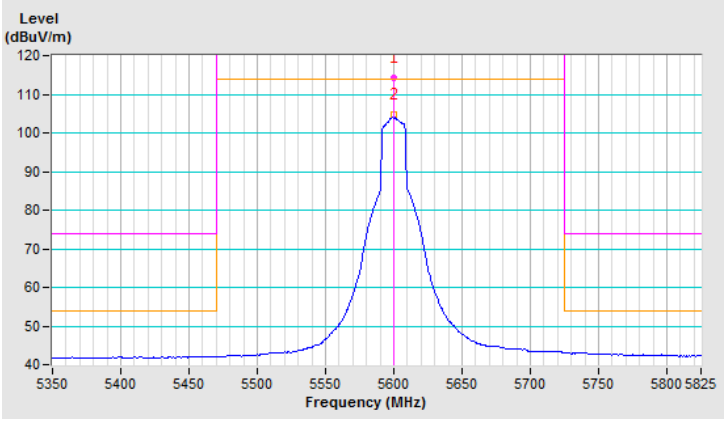


CHANNEL	TX Channel 120	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5600.00	114.2 PK			2.37 V	256	111.07	3.13
2	*5600.00	104.9 AV			2.37 V	256	101.77	3.13

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

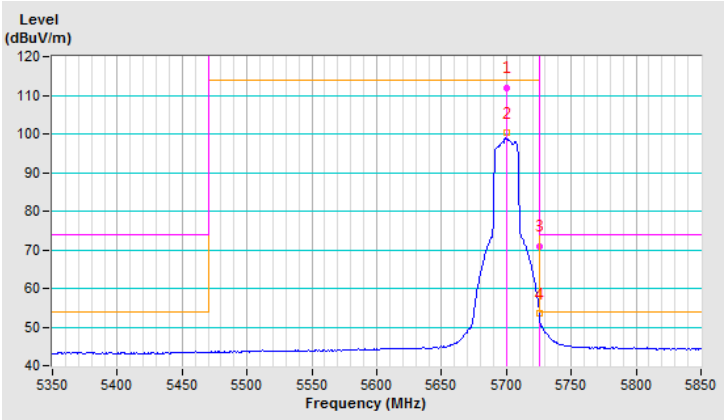


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	111.9 PK			1.74 H	43	108.58	3.32
2	*5700.00	100.2 AV			1.74 H	43	96.88	3.32
3	#5725.00	70.9 PK	74.0	-3.1	1.74 H	43	67.54	3.36
4	#5725.00	53.4 AV	54.0	-0.6	1.74 H	43	50.04	3.36

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

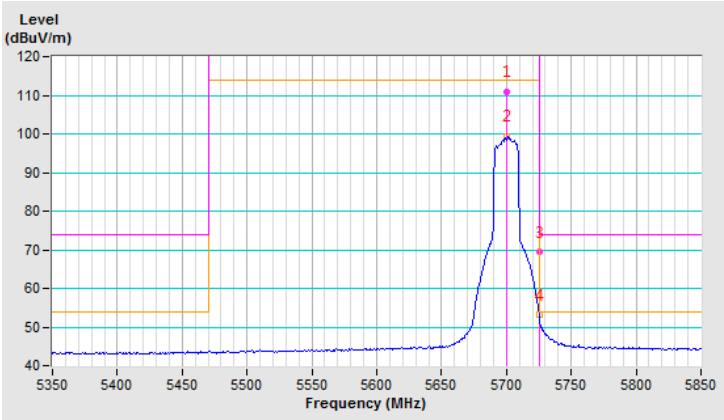


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	111.0 PK			1.71 V	121	107.68	3.32
2	*5700.00	99.4 AV			1.71 V	121	96.08	3.32
3	#5725.00	69.4 PK	74.0	-4.6	1.71 V	121	66.04	3.36
4	#5725.00	53.1 AV	54.0	-0.9	1.71 V	121	49.74	3.36

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

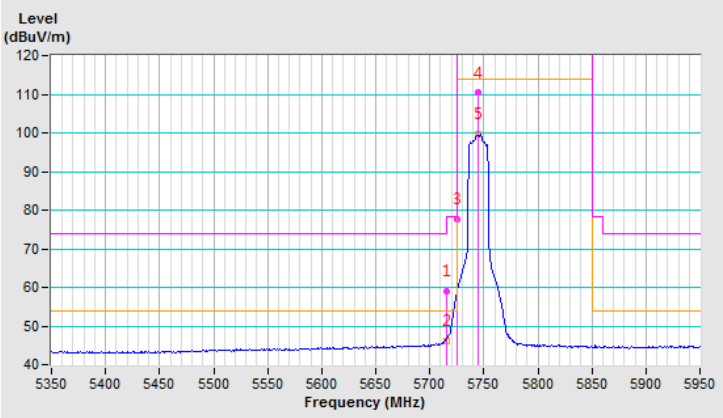


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	59.1 PK	74.0	-14.9	1.75 H	45	55.76	3.34
2	#5715.00	46.2 AV	54.0	-7.8	1.75 H	45	42.86	3.34
3	#5725.00	77.6 PK	78.2	-0.6	1.75 H	45	74.24	3.36
4	*5745.00	110.4 PK			1.75 H	45	107.02	3.38
5	*5745.00	99.7 AV			1.75 H	45	96.32	3.38

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

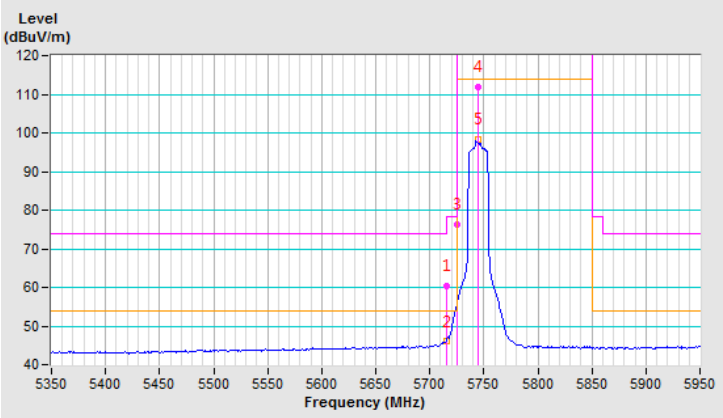


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	60.5 PK	74.0	-13.5	1.78 V	99	57.16	3.34
2	#5715.00	46.0 AV	54.0	-8.0	1.78 V	99	42.66	3.34
3	#5725.00	76.3 PK	78.2	-1.9	1.78 V	99	72.94	3.36
4	*5745.00	111.9 PK			1.78 V	99	108.52	3.38
5	*5745.00	98.4 AV			1.78 V	99	95.02	3.38

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

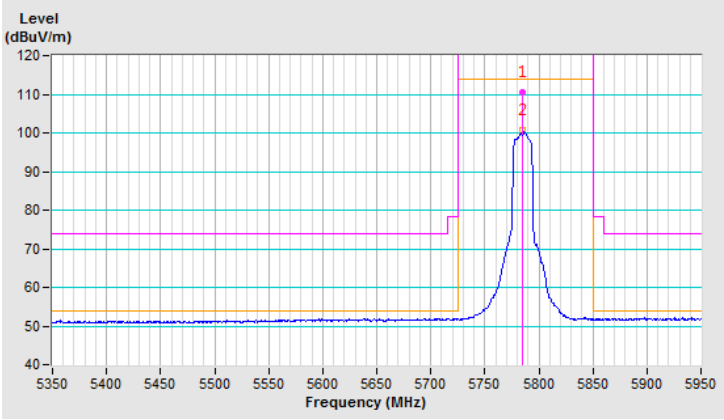


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	110.6 PK			2.01 H	302	107.17	3.43
2	*5785.00	100.7 AV			2.01 H	302	97.27	3.43

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

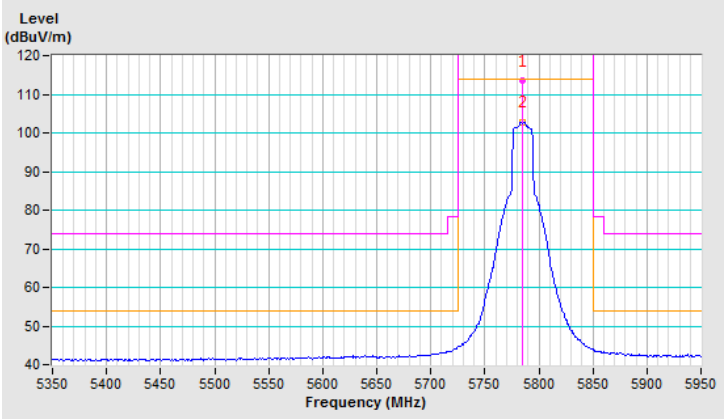


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	113.4 PK			1.62 V	203	109.97	3.43
2	*5785.00	102.7 AV			1.62 V	203	99.27	3.43

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

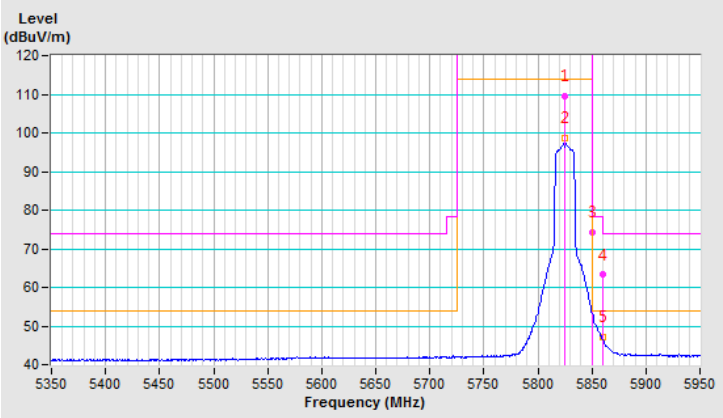


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	109.6 PK			2.15 H	315	106.14	3.46
2	*5825.00	98.7 AV			2.15 H	315	95.24	3.46
3	#5850.00	74.2 PK	78.2	-4.0	2.15 H	315	70.71	3.49
4	#5860.00	63.3 PK	74.0	-10.7	2.15 H	315	59.80	3.50
5	#5860.00	47.2 AV	54.0	-6.8	2.15 H	315	43.70	3.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

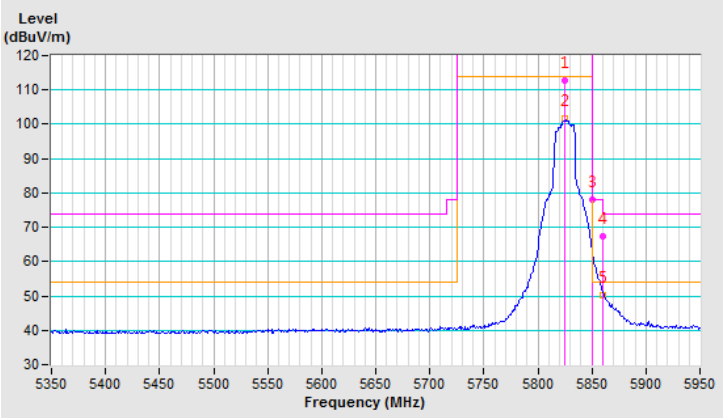


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	112.8 PK			1.61 V	214	109.34	3.46
2	*5825.00	101.7 AV			1.61 V	214	98.24	3.46
3	**#5850.00**	**78.1 PK**	**78.2**	**-0.1**	**1.61 V**	**214**	**74.61**	**3.49**
4	#5860.00	67.5 PK	74.0	-6.5	1.61 V	214	64.00	3.50
5	#5860.00	50.3 AV	54.0	-3.7	1.61 V	214	46.80	3.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.



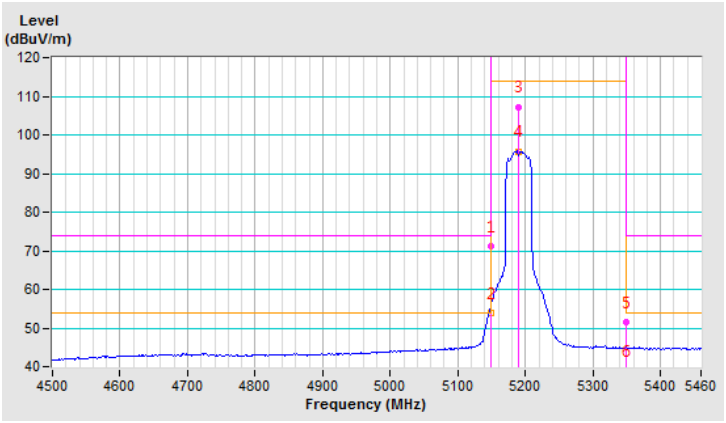
802.11ac (VHT40)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	71.1 PK	74.0	-2.9	1.74 H	49	68.73	2.37
2	5150.00	53.8 AV	54.0	-0.2	1.74 H	49	51.43	2.37
3	*5190.00	107.1 PK			1.74 H	49	104.67	2.43
4	*5190.00	95.6 AV			1.74 H	49	93.17	2.43
5	5350.00	51.4 PK	74.0	-22.6	1.74 H	49	48.75	2.65
6	5350.00	38.8 AV	54.0	-15.2	1.74 H	49	36.15	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

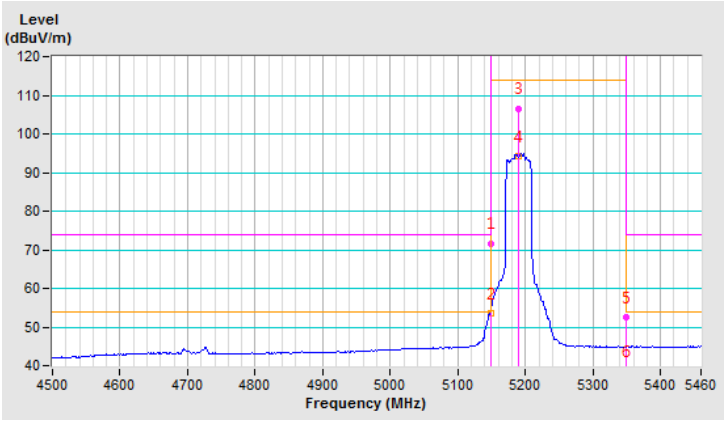


CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	71.5 PK	74.0	-2.5	1.87 V	105	69.13	2.37
2	5150.00	53.4 AV	54.0	-0.6	1.87 V	105	51.03	2.37
3	*5190.00	106.4 PK			1.87 V	105	103.97	2.43
4	*5190.00	94.1 AV			1.87 V	105	91.67	2.43
5	5350.00	52.4 PK	74.0	-21.6	1.87 V	105	49.75	2.65
6	5350.00	38.3 AV	54.0	-15.7	1.87 V	105	35.65	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

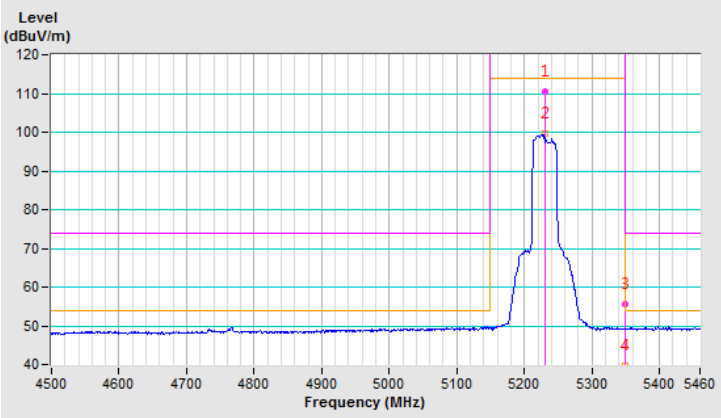


CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	110.5 PK			1.37 H	316	108.02	2.48
2	*5230.00	99.6 AV			1.37 H	316	97.12	2.48
3	5350.00	55.6 PK	74.0	-18.4	1.37 H	316	52.95	2.65
4	5350.00	39.7 AV	54.0	-14.3	1.37 H	316	37.05	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

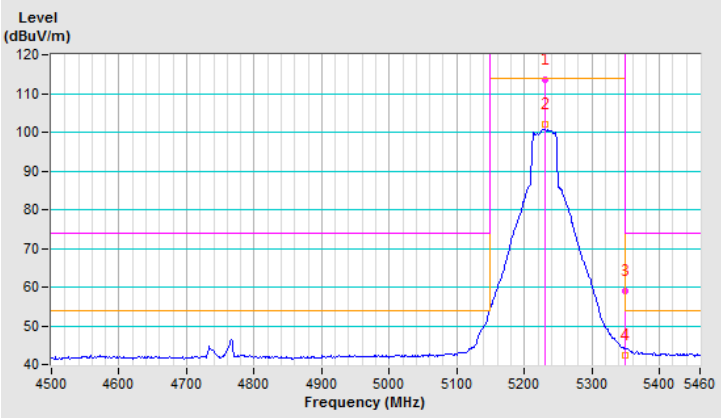


CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	113.6 PK			1.63 V	203	111.12	2.48
2	*5230.00	102.0 AV			1.63 V	203	99.52	2.48
3	5350.00	58.9 PK	74.0	-15.1	1.63 V	203	56.25	2.65
4	5350.00	42.5 AV	54.0	-11.5	1.63 V	203	39.85	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

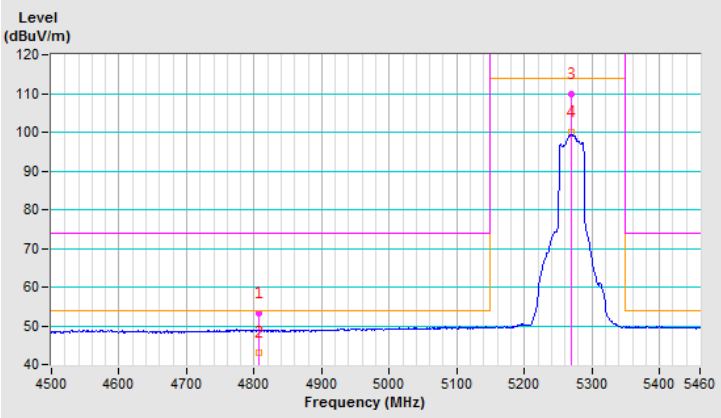


CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4806.90	53.2 PK	74.0	-20.8	1.87 H	240	51.37	1.83
2	4806.90	43.2 AV	54.0	-10.8	1.87 H	240	41.37	1.83
3	*5270.00	109.8 PK			1.87 H	246	107.24	2.56
4	*5270.00	100.1 AV			1.87 H	246	97.54	2.56

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

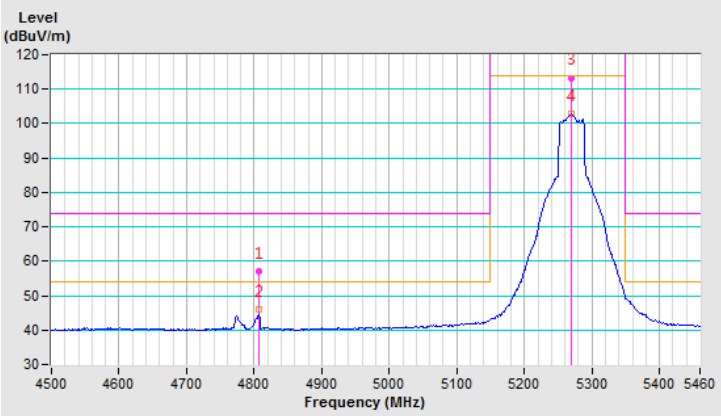


CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4806.90	56.9 PK	74.0	-17.1	2.35 V	248	55.07	1.83
2	4806.90	46.1 AV	54.0	-7.9	2.35 V	248	44.27	1.83
3	*5270.00	113.3 PK			2.35 V	248	110.74	2.56
4	*5270.00	102.9 AV			2.35 V	248	100.34	2.56

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

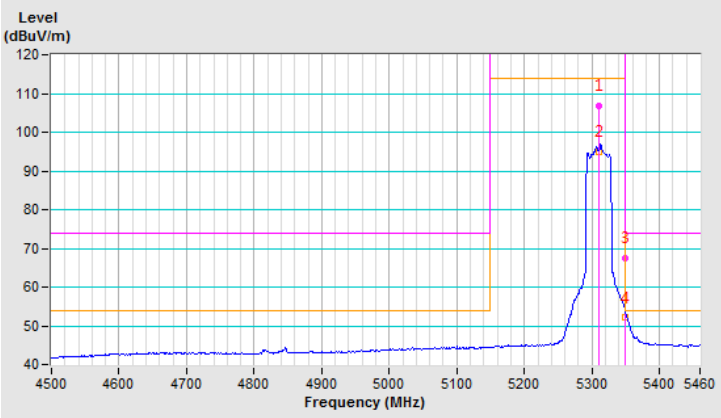


CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	106.9 PK			1.79 H	46	104.29	2.61
2	*5310.00	95.0 AV			1.79 H	46	92.39	2.61
3	5350.00	67.4 PK	74.0	-6.6	1.77 H	46	64.75	2.65
4	5350.00	52.1 AV	54.0	-1.9	1.77 H	46	49.45	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

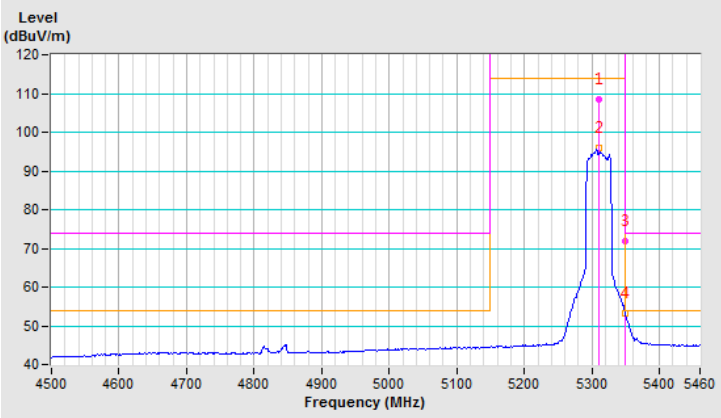


CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	108.4 PK			1.77 V	124	105.79	2.61
2	*5310.00	96.0 AV			1.77 V	124	93.39	2.61
3	5350.00	71.9 PK	74.0	-2.1	1.77 V	124	69.25	2.65
4	5350.00	53.3 AV	54.0	-0.7	1.77 V	124	50.65	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

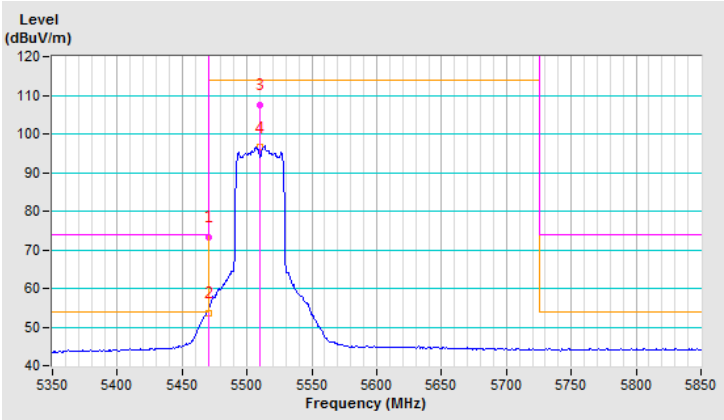


CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	73.2 PK	74.0	-0.8	1.77 H	44	70.41	2.79
2	#5470.00	53.6 AV	54.0	-0.4	1.77 H	44	50.81	2.79
3	*5510.00	107.6 PK			1.77 H	44	104.75	2.85
4	*5510.00	96.5 AV			1.77 H	44	93.65	2.85

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

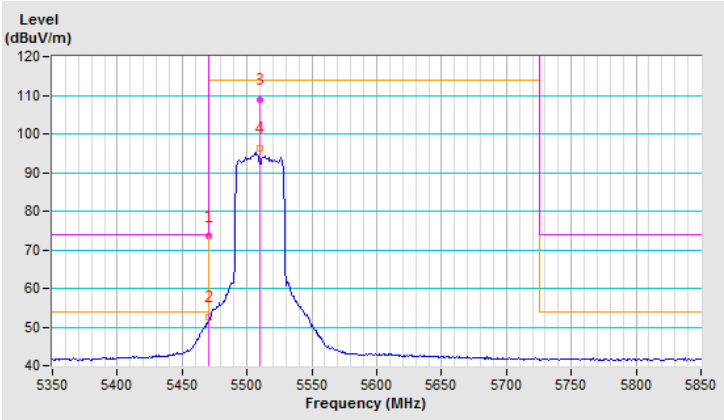


CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	73.4 PK	74.0	-0.6	1.78 V	122	70.61	2.79
2	#5470.00	52.5 AV	54.0	-1.5	1.78 V	122	49.71	2.79
3	*5510.00	108.8 PK			1.78 V	122	105.95	2.85
4	*5510.00	96.4 AV			1.78 V	122	93.55	2.85

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

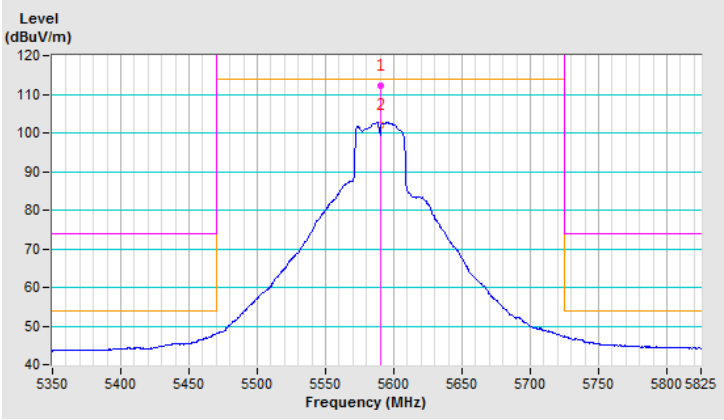


CHANNEL	TX Channel 118	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5590.00	112.3 PK			1.94 H	322	109.20	3.10
2	*5590.00	102.0 AV			1.94 H	322	98.90	3.10

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

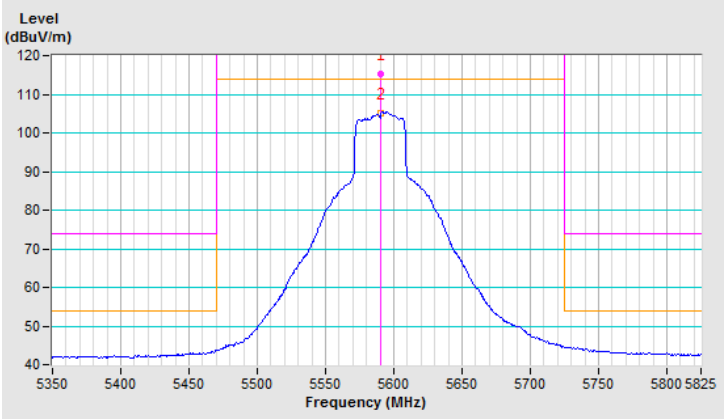


CHANNEL	TX Channel 118	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5590.00	115.1 PK			1.85 V	198	112.00	3.10
2	*5590.00	105.0 AV			1.85 V	198	101.90	3.10

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

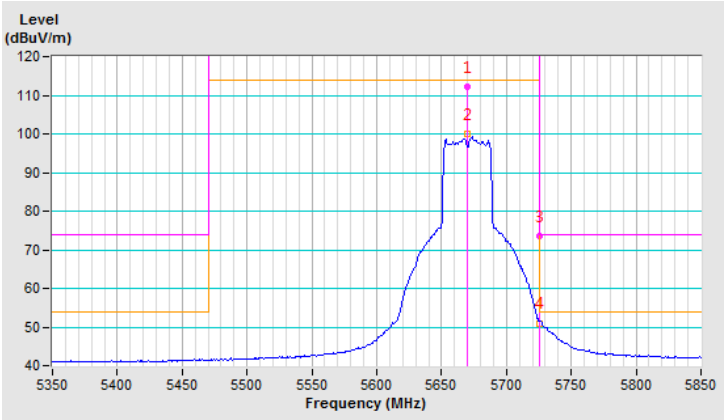


CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	112.1 PK			1.71 H	50	108.84	3.26
2	*5670.00	99.9 AV			1.71 H	50	96.64	3.26
3	#5725.00	73.4 PK	74.0	-0.6	1.71 H	50	70.04	3.36
4	#5725.00	50.9 AV	54.0	-3.1	1.71 H	50	47.54	3.36

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

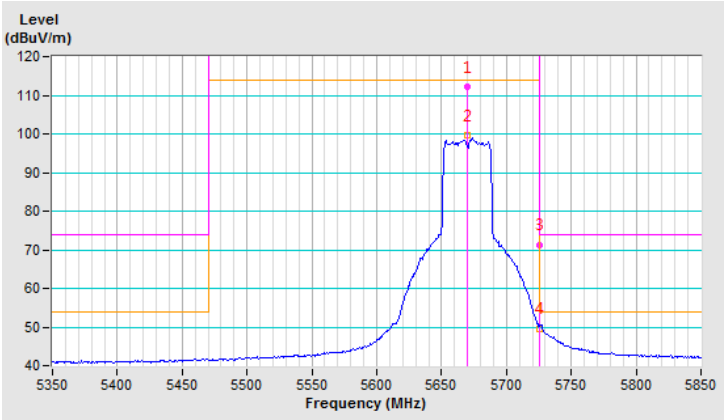


CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	112.1 PK			1.83 V	122	108.84	3.26
2	*5670.00	99.5 AV			1.83 V	122	96.24	3.26
3	#5725.00	71.3 PK	74.0	-2.7	1.83 V	122	67.94	3.36
4	#5725.00	49.6 AV	54.0	-4.4	1.83 V	122	46.24	3.36

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

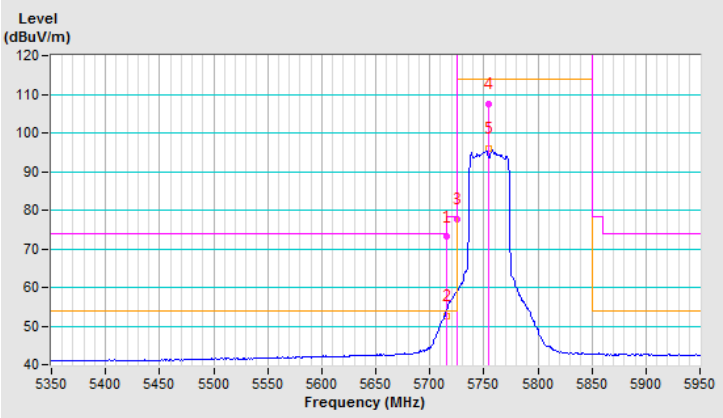


CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	73.1 PK	74.0	-0.9	1.73 H	44	69.76	3.34
2	#5715.00	52.5 AV	54.0	-1.5	1.73 H	44	49.16	3.34
3	#5725.00	77.7 PK	78.2	-0.5	1.73 H	44	74.34	3.36
4	*5755.00	107.6 PK			1.73 H	44	104.21	3.39
5	*5755.00	96.0 AV			1.73 H	44	92.61	3.39

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

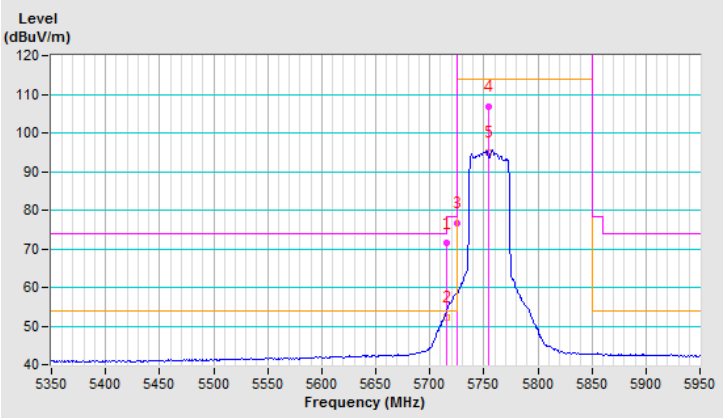


CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	71.4 PK	74.0	-2.6	1.65 V	127	68.06	3.34
2	#5715.00	52.2 AV	54.0	-1.8	1.65 V	127	48.86	3.34
3	#5725.00	76.6 PK	78.2	-1.6	1.65 V	127	73.24	3.36
4	*5755.00	106.8 PK			1.65 V	127	103.41	3.39
5	*5755.00	95.0 AV			1.65 V	127	91.61	3.39

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

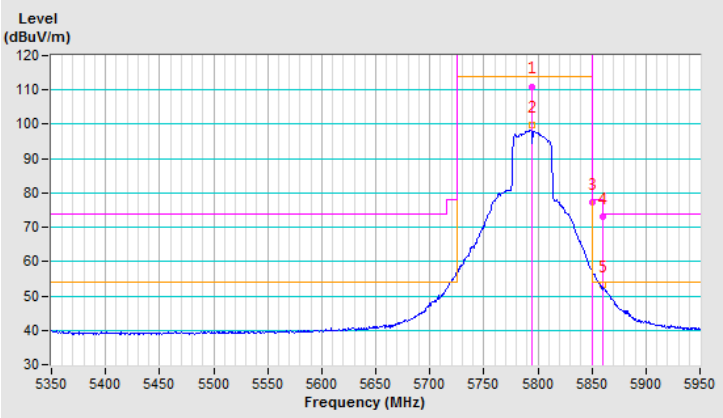


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	111.0 PK			1.45 H	150	107.56	3.44
2	*5795.00	99.9 AV			1.45 H	150	96.46	3.44
3	#5850.00	77.3 PK	78.2	-0.9	1.45 H	149	73.81	3.49
4	#5860.00	73.1 PK	74.0	-0.9	1.44 H	149	69.60	3.50
5	#5860.00	53.4 AV	54.0	-0.6	1.44 H	149	49.90	3.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

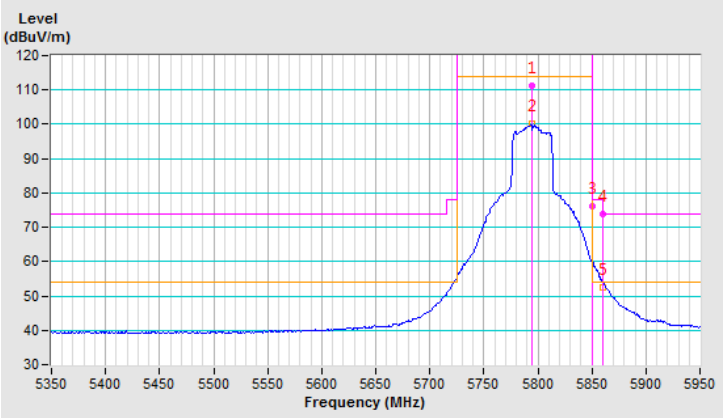


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	111.3 PK			1.53 V	205	107.86	3.44
2	*5795.00	100.0 AV			1.53 V	205	96.56	3.44
3	#5850.00	76.1 PK	78.2	-2.1	1.53 V	205	72.61	3.49
4	**#5860.00**	**73.9 PK**	**74.0**	**-0.1**	**1.53 V**	**205**	**70.40**	**3.50**
5	#5860.00	52.4 AV	54.0	-1.6	1.53 V	205	48.90	3.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.



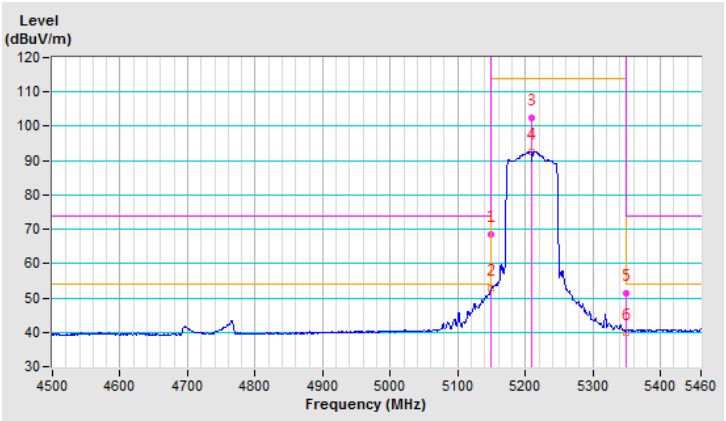
802.11ac (VHT80)

CHANNEL	TX Channel 42	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	68.4 PK	74.0	-5.6	1.74 H	41	66.03	2.37
2	5150.00	52.7 AV	54.0	-1.3	1.74 H	41	50.33	2.37
3	*5210.00	102.4 PK			1.74 H	41	99.95	2.45
4	*5210.00	92.4 AV			1.74 H	41	89.95	2.45
5	5350.00	51.3 PK	74.0	-22.7	1.74 H	41	48.65	2.65
6	5350.00	40.0 AV	54.0	-14.0	1.74 H	41	37.35	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

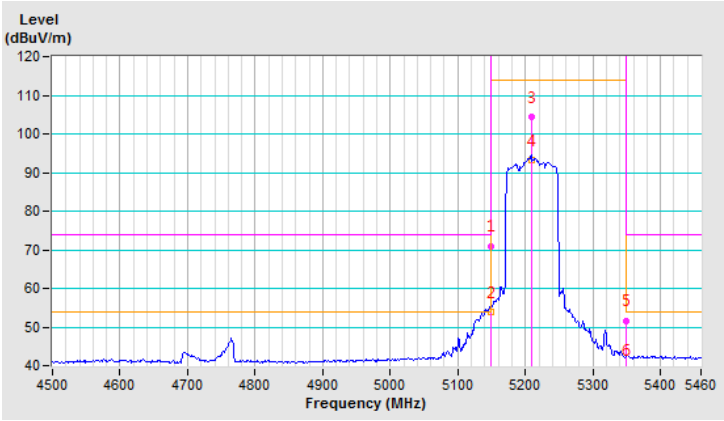


CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	70.8 PK	74.0	-3.2	1.82 V	103	68.43	2.37
2	5150.00	53.8 AV	54.0	-0.2	1.82 V	103	51.43	2.37
3	*5210.00	104.3 PK			1.82 V	103	101.85	2.45
4	*5210.00	93.1 AV			1.82 V	103	90.65	2.45
5	5350.00	51.5 PK	74.0	-22.5	1.82 V	103	48.85	2.65
6	5350.00	38.6 AV	54.0	-15.4	1.82 V	103	35.95	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

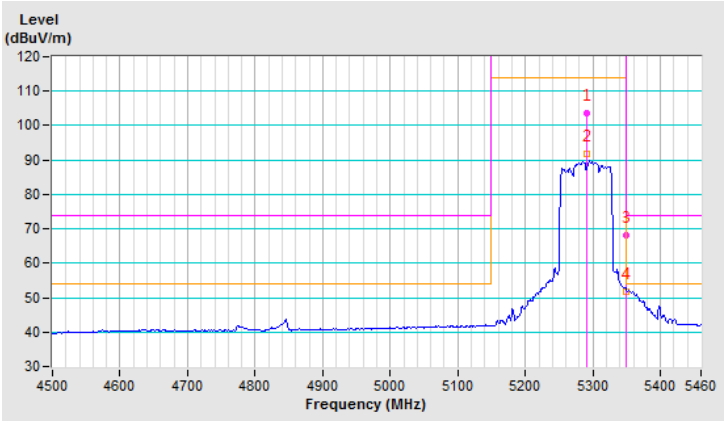


CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	103.7 PK			1.75 H	42	101.11	2.59
2	*5290.00	91.8 AV			1.75 H	42	89.21	2.59
3	5350.00	68.2 PK	74.0	-5.8	1.75 H	42	65.55	2.65
4	5350.00	51.7 AV	54.0	-2.3	1.75 H	42	49.05	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

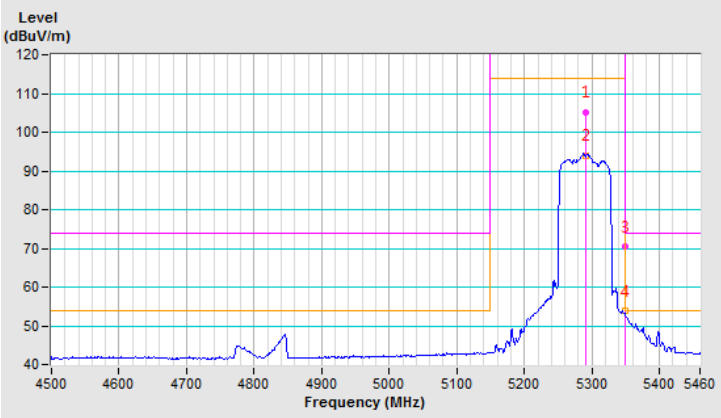


CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	105.1 PK			1.72 V	104	102.51	2.59
2	*5290.00	94.0 AV			1.72 V	104	91.41	2.59
3	5350.00	70.4 PK	74.0	-3.6	1.72 V	104	67.75	2.65
4	5350.00	53.8 AV	54.0	-0.2	1.72 V	104	51.15	2.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

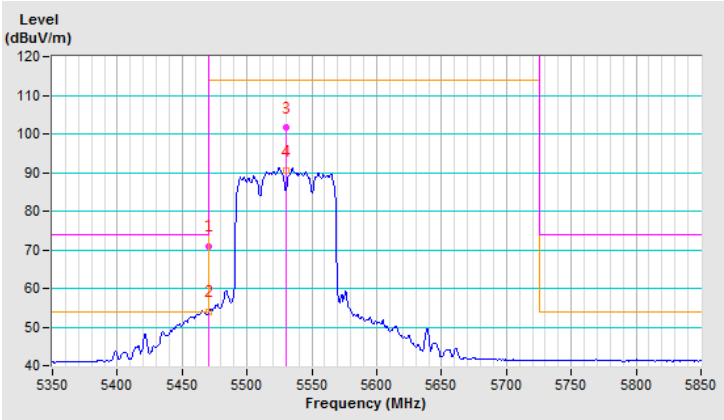


CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	70.9 PK	74.0	-3.1	1.80 H	43	68.11	2.79
2	**#5470.00**	**53.9 AV**	**54.0**	**-0.1**	**1.80 H**	**43**	**51.11**	**2.79**
3	*5530.00	101.6 PK			1.80 H	43	98.68	2.92
4	*5530.00	90.4 AV			1.80 H	43	87.48	2.92

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

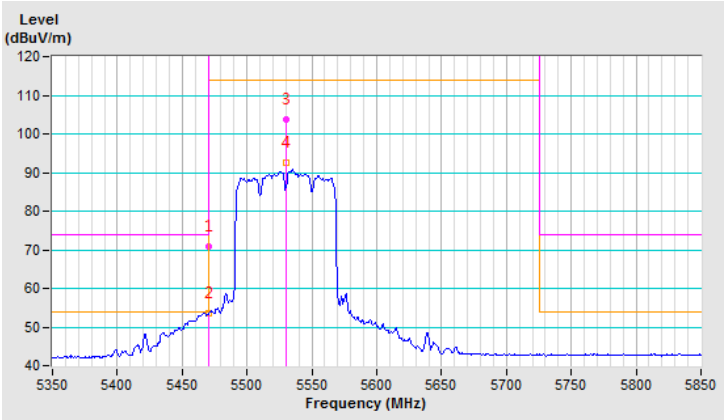


CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	70.9 PK	74.0	-3.1	1.75 V	106	68.11	2.79
2	#5470.00	53.7 AV	54.0	-0.3	1.75 V	106	50.91	2.79
3	*5530.00	103.8 PK			1.75 V	106	100.88	2.92
4	*5530.00	92.5 AV			1.75 V	106	89.58	2.92

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

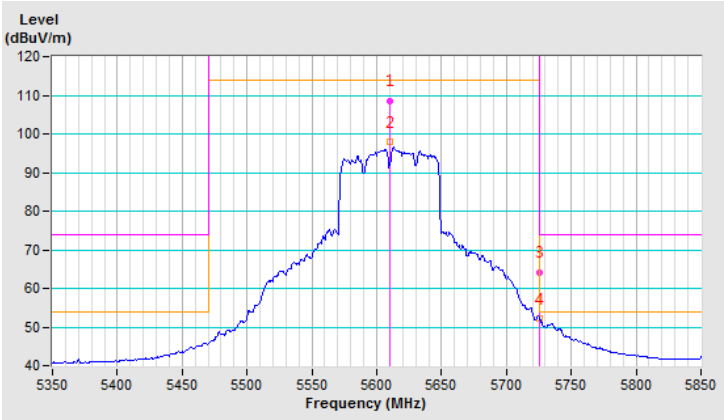


CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5610.00	108.4 PK			1.74 H	122	105.25	3.15
2	*5610.00	97.8 AV			1.74 H	122	94.65	3.15
3	#5725.00	64.1 PK	74.0	-9.9	1.74 H	122	60.74	3.36
4	#5725.00	52.1 AV	54.0	-1.9	1.74 H	122	48.74	3.36

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

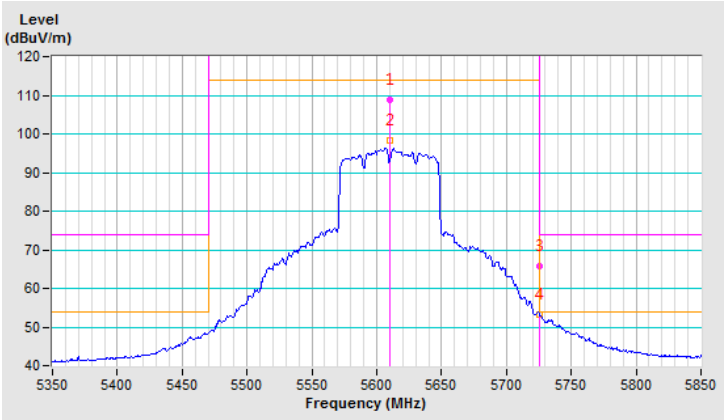


CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5610.00	108.8 PK			1.74 V	122	105.65	3.15
2	*5610.00	98.3 AV			1.74 V	122	95.15	3.15
3	#5725.00	65.7 PK	74.0	-8.3	1.74 V	122	62.34	3.36
4	#5725.00	53.3 AV	54.0	-0.7	1.74 V	122	49.94	3.36

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

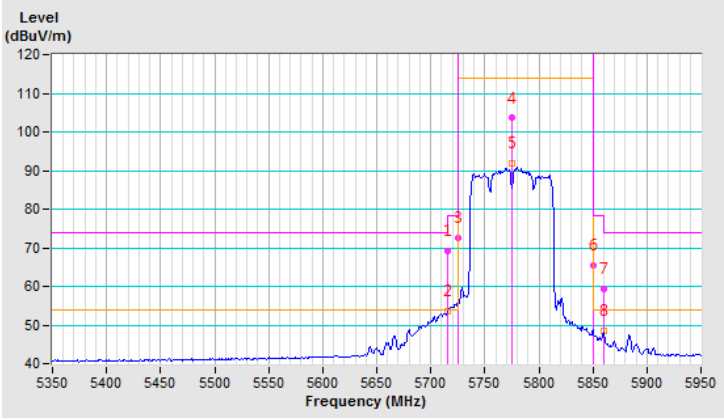


CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	69.1 PK	74.0	-4.9	1.77 H	43	65.76	3.34
2	#5715.00	53.7 AV	54.0	-0.3	1.77 H	43	50.36	3.34
3	#5725.00	72.5 PK	78.2	-5.7	1.77 H	43	69.14	3.36
4	*5775.00	103.6 PK			1.77 H	43	100.19	3.41
5	*5775.00	92.0 AV			1.77 H	43	88.59	3.41
6	#5850.00	65.5 PK	78.2	-12.7	1.77 H	43	62.01	3.49
7	#5860.00	59.4 PK	74.0	-14.6	1.77 H	43	55.90	3.50
8	#5860.00	48.4 AV	54.0	-5.6	1.77 H	43	44.90	3.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

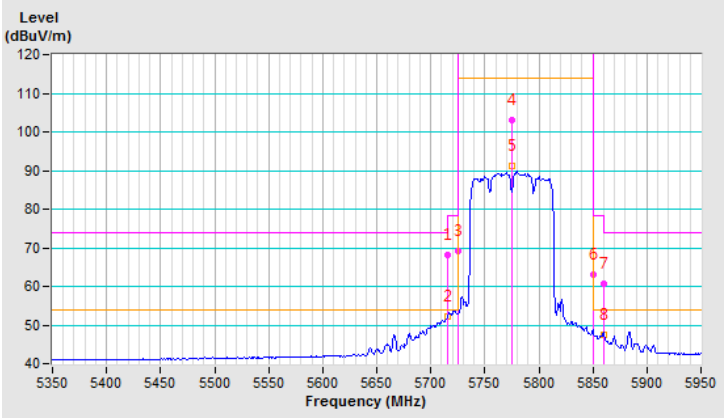


CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	68.3 PK	74.0	-5.7	1.80 V	100	64.96	3.34
2	#5715.00	52.3 AV	54.0	-1.7	1.80 V	100	48.96	3.34
3	#5725.00	69.1 PK	78.2	-9.1	1.80 V	100	65.74	3.36
4	*5775.00	103.2 PK			1.80 V	100	99.79	3.41
5	*5775.00	91.3 AV			1.80 V	100	87.89	3.41
6	#5850.00	63.2 PK	78.2	-15.0	1.80 V	100	59.71	3.49
7	#5860.00	60.6 PK	74.0	-13.4	1.80 V	100	57.10	3.50
8	#5860.00	47.4 AV	54.0	-6.6	1.80 V	100	43.90	3.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.



4.1.9 Test Results (Spurious emission) (Mode 1)

Above 1GHz Data:

802.11a

CHANNEL	TX Channel 36	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#10360.00	51.9 PK	74.0	-22.1	1.64 H	341	39.84	12.06
2	#10360.00	38.6 AV	54.0	-15.4	1.64 H	341	26.54	12.06
3	15540.00	58.4 PK	74.0	-15.6	1.71 H	28	42.38	16.02
4	15540.00	45.4 AV	54.0	-8.6	1.71 H	28	29.38	16.02
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#10360.00	53.7 PK	74.0	-20.3	1.87 V	168	41.64	12.06
2	#10360.00	40.2 AV	54.0	-13.8	1.87 V	168	28.14	12.06
3	15540.00	58.4 PK	74.0	-15.6	1.46 V	360	42.38	16.02
4	15540.00	45.3 AV	54.0	-8.7	1.46 V	360	29.28	16.02

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	51.6 PK	74.0	-22.4	1.67 H	332	39.52	12.08
2	#10400.00	38.2 AV	54.0	-15.8	1.67 H	332	26.12	12.08
3	15600.00	57.8 PK	74.0	-16.2	1.66 H	40	42.19	15.61
4	15600.00	44.9 AV	54.0	-9.1	1.66 H	40	29.29	15.61
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	53.9 PK	74.0	-20.1	1.90 V	168	41.82	12.08
2	#10400.00	40.1 AV	54.0	-13.9	1.90 V	168	28.02	12.08
3	15600.00	59.0 PK	74.0	-15.0	1.46 V	360	43.39	15.61
4	15600.00	45.8 AV	54.0	-8.2	1.46 V	360	30.19	15.61

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	51.7 PK	74.0	-22.3	1.68 H	345	39.66	12.04
2	#10480.00	38.5 AV	54.0	-15.5	1.68 H	345	26.46	12.04
3	15720.00	58.6 PK	74.0	-15.4	1.73 H	38	42.39	16.21
4	15720.00	45.4 AV	54.0	-8.6	1.73 H	38	29.19	16.21
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	53.6 PK	74.0	-20.4	1.92 V	178	41.56	12.04
2	#10480.00	40.3 AV	54.0	-13.7	1.92 V	178	28.26	12.04
3	15720.00	58.3 PK	74.0	-15.7	1.46 V	360	42.09	16.21
4	15720.00	45.0 AV	54.0	-9.0	1.46 V	360	28.79	16.21

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	51.7 PK	74.0	-22.3	1.70 H	330	39.80	11.90
2	#10520.00	38.2 AV	54.0	-15.8	1.70 H	330	26.30	11.90
3	15780.00	59.1 PK	74.0	-14.9	1.71 H	30	42.60	16.50
4	15780.00	45.8 AV	54.0	-8.2	1.71 H	30	29.30	16.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	53.3 PK	74.0	-20.7	1.82 V	176	41.40	11.90
2	#10520.00	40.0 AV	54.0	-14.0	1.82 V	176	28.10	11.90
3	15780.00	58.4 PK	74.0	-15.6	1.44 V	360	41.90	16.50
4	15780.00	45.2 AV	54.0	-8.8	1.44 V	360	28.70	16.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	51.7 PK	74.0	-22.3	1.66 H	351	40.30	11.40
2	10600.00	38.4 AV	54.0	-15.6	1.66 H	351	27.00	11.40
3	15900.00	58.8 PK	74.0	-15.2	1.73 H	23	42.54	16.26
4	15900.00	45.7 AV	54.0	-8.3	1.73 H	23	29.44	16.26
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	54.3 PK	74.0	-19.7	1.83 V	156	42.90	11.40
2	10600.00	40.7 AV	54.0	-13.3	1.83 V	156	29.30	11.40
3	15900.00	58.0 PK	74.0	-16.0	1.51 V	360	41.74	16.26
4	15900.00	45.0 AV	54.0	-9.0	1.51 V	360	28.74	16.26

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	52.4 PK	74.0	-21.6	1.69 H	333	40.82	11.58
2	10640.00	39.0 AV	54.0	-15.0	1.69 H	333	27.42	11.58
3	15960.00	58.4 PK	74.0	-15.6	1.72 H	27	42.27	16.13
4	15960.00	45.2 AV	54.0	-8.8	1.72 H	27	29.07	16.13
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	53.5 PK	74.0	-20.5	1.88 V	160	41.92	11.58
2	10640.00	40.0 AV	54.0	-14.0	1.88 V	160	28.42	11.58
3	15960.00	58.8 PK	74.0	-15.2	1.47 V	360	42.67	16.13
4	15960.00	45.6 AV	54.0	-8.4	1.47 V	360	29.47	16.13

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	52.4 PK	74.0	-21.6	1.61 H	350	40.19	12.21
2	11000.00	38.9 AV	54.0	-15.1	1.61 H	350	26.69	12.21
3	#16500.00	58.6 PK	74.0	-15.4	1.69 H	42	40.47	18.13
4	#16500.00	45.6 AV	54.0	-8.4	1.69 H	42	27.47	18.13
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	53.2 PK	74.0	-20.8	1.91 V	168	40.99	12.21
2	11000.00	39.8 AV	54.0	-14.2	1.91 V	168	27.59	12.21
3	#16500.00	58.7 PK	74.0	-15.3	1.43 V	360	40.57	18.13
4	#16500.00	45.8 AV	54.0	-8.2	1.43 V	360	27.67	18.13

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 120	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11200.00	51.8 PK	74.0	-22.2	1.61 H	328	39.40	12.40
2	11200.00	38.8 AV	54.0	-15.2	1.61 H	328	26.40	12.40
3	#16800.00	58.6 PK	74.0	-15.4	1.74 H	38	39.21	19.39
4	#16800.00	45.3 AV	54.0	-8.7	1.74 H	38	25.91	19.39
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11200.00	54.0 PK	74.0	-20.0	1.87 V	184	41.60	12.40
2	11200.00	40.4 AV	54.0	-13.6	1.87 V	184	28.00	12.40
3	#16800.00	58.6 PK	74.0	-15.4	1.43 V	360	39.21	19.39
4	#16800.00	45.6 AV	54.0	-8.4	1.43 V	360	26.21	19.39

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	51.8 PK	74.0	-22.2	1.60 H	353	39.19	12.61
2	11400.00	38.7 AV	54.0	-15.3	1.60 H	353	26.09	12.61
3	#17100.00	58.4 PK	74.0	-15.6	1.70 H	35	38.25	20.15
4	#17100.00	45.4 AV	54.0	-8.6	1.70 H	35	25.25	20.15
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	53.6 PK	74.0	-20.4	1.82 V	199	40.99	12.61
2	11400.00	40.0 AV	54.0	-14.0	1.82 V	199	27.39	12.61
3	#17100.00	58.5 PK	74.0	-15.5	1.37 V	360	38.35	20.15
4	#17100.00	45.8 AV	54.0	-8.2	1.37 V	360	25.65	20.15

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11490.00	51.2 PK	74.0	-22.8	1.61 H	341	38.81	12.39
2	11490.00	38.1 AV	54.0	-15.9	1.61 H	341	25.71	12.39
3	#17235.00	58.0 PK	74.0	-16.0	1.67 H	39	37.01	20.99
4	#17235.00	45.3 AV	54.0	-8.7	1.67 H	39	24.31	20.99
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11490.00	54.0 PK	74.0	-20.0	1.91 V	175	41.61	12.39
2	11490.00	40.3 AV	54.0	-13.7	1.91 V	175	27.91	12.39
3	#17235.00	58.1 PK	74.0	-15.9	1.38 V	360	37.11	20.99
4	#17235.00	45.2 AV	54.0	-8.8	1.38 V	360	24.21	20.99

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11570.00	51.8 PK	74.0	-22.2	1.59 H	327	39.48	12.32
2	11570.00	38.6 AV	54.0	-15.4	1.59 H	327	26.28	12.32
3	#17355.00	58.5 PK	74.0	-15.5	1.69 H	24	37.23	21.27
4	#17355.00	45.4 AV	54.0	-8.6	1.69 H	24	24.13	21.27
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11570.00	54.1 PK	74.0	-19.9	1.85 V	175	41.78	12.32
2	11570.00	40.6 AV	54.0	-13.4	1.85 V	175	28.28	12.32
3	#17355.00	59.1 PK	74.0	-14.9	1.42 V	360	37.83	21.27
4	#17355.00	45.9 AV	54.0	-8.1	1.42 V	360	24.63	21.27

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11650.00	51.7 PK	74.0	-22.3	1.68 H	344	39.34	12.36
2	11650.00	38.3 AV	54.0	-15.7	1.68 H	344	25.94	12.36
3	#17475.00	58.4 PK	74.0	-15.6	1.67 H	23	37.23	21.17
4	#17475.00	45.2 AV	54.0	-8.8	1.67 H	23	24.03	21.17
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11650.00	54.3 PK	74.0	-19.7	1.93 V	169	41.94	12.36
2	11650.00	40.5 AV	54.0	-13.5	1.93 V	169	28.14	12.36
3	#17475.00	58.9 PK	74.0	-15.1	1.40 V	360	37.73	21.17
4	#17475.00	46.0 AV	54.0	-8.0	1.40 V	360	24.83	21.17

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

802.11ac (VHT20)

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10360.00	51.4 PK	74.0	-22.6	1.59 H	331	39.34	12.06
2	#10360.00	38.4 AV	54.0	-15.6	1.59 H	331	26.34	12.06
3	15540.00	57.9 PK	74.0	-16.1	1.74 H	18	41.88	16.02
4	15540.00	45.0 AV	54.0	-9.0	1.74 H	18	28.98	16.02
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10360.00	54.3 PK	74.0	-19.7	1.84 V	184	42.24	12.06
2	#10360.00	40.5 AV	54.0	-13.5	1.84 V	184	28.44	12.06
3	15540.00	58.7 PK	74.0	-15.3	1.40 V	360	42.68	16.02
4	15540.00	45.5 AV	54.0	-8.5	1.40 V	360	29.48	16.02

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	52.5 PK	74.0	-21.5	1.63 H	342	40.42	12.08
2	#10400.00	39.1 AV	54.0	-14.9	1.63 H	342	27.02	12.08
3	15600.00	58.5 PK	74.0	-15.5	1.68 H	32	42.89	15.61
4	15600.00	45.8 AV	54.0	-8.2	1.68 H	32	30.19	15.61
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	54.3 PK	74.0	-19.7	1.92 V	178	42.22	12.08
2	#10400.00	40.8 AV	54.0	-13.2	1.92 V	178	28.72	12.08
3	15600.00	58.3 PK	74.0	-15.7	1.39 V	360	42.69	15.61
4	15600.00	45.4 AV	54.0	-8.6	1.39 V	360	29.79	15.61

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	52.2 PK	74.0	-21.8	1.60 H	355	40.16	12.04
2	#10480.00	39.0 AV	54.0	-15.0	1.60 H	355	26.96	12.04
3	15720.00	58.6 PK	74.0	-15.4	1.74 H	36	42.39	16.21
4	15720.00	45.8 AV	54.0	-8.2	1.74 H	36	29.59	16.21
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	53.8 PK	74.0	-20.2	1.88 V	190	41.76	12.04
2	#10480.00	40.0 AV	54.0	-14.0	1.88 V	190	27.96	12.04
3	15720.00	58.4 PK	74.0	-15.6	1.40 V	360	42.19	16.21
4	15720.00	45.2 AV	54.0	-8.8	1.40 V	360	28.99	16.21

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	52.2 PK	74.0	-21.8	1.62 H	348	40.30	11.90
2	#10520.00	39.0 AV	54.0	-15.0	1.62 H	348	27.10	11.90
3	15780.00	58.9 PK	74.0	-15.1	1.70 H	26	42.40	16.50
4	15780.00	45.8 AV	54.0	-8.2	1.70 H	26	29.30	16.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	53.8 PK	74.0	-20.2	1.82 V	195	41.90	11.90
2	#10520.00	40.5 AV	54.0	-13.5	1.82 V	195	28.60	11.90
3	15780.00	58.4 PK	74.0	-15.6	1.46 V	360	41.90	16.50
4	15780.00	45.2 AV	54.0	-8.8	1.46 V	360	28.70	16.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	51.9 PK	74.0	-22.1	1.68 H	345	40.50	11.40
2	10600.00	38.6 AV	54.0	-15.4	1.68 H	345	27.20	11.40
3	15900.00	58.1 PK	74.0	-15.9	1.67 H	28	41.84	16.26
4	15900.00	45.0 AV	54.0	-9.0	1.67 H	28	28.74	16.26
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	53.7 PK	74.0	-20.3	1.92 V	194	42.30	11.40
2	10600.00	40.0 AV	54.0	-14.0	1.92 V	194	28.60	11.40
3	15900.00	58.7 PK	74.0	-15.3	1.44 V	360	42.44	16.26
4	15900.00	45.9 AV	54.0	-8.1	1.44 V	360	29.64	16.26

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	51.9 PK	74.0	-22.1	1.59 H	349	40.32	11.58
2	10640.00	38.3 AV	54.0	-15.7	1.59 H	349	26.72	11.58
3	15960.00	58.0 PK	74.0	-16.0	1.66 H	18	41.87	16.13
4	15960.00	45.3 AV	54.0	-8.7	1.66 H	18	29.17	16.13
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	54.1 PK	74.0	-19.9	1.87 V	171	42.52	11.58
2	10640.00	40.3 AV	54.0	-13.7	1.87 V	171	28.72	11.58
3	15960.00	58.6 PK	74.0	-15.4	1.41 V	360	42.47	16.13
4	15960.00	45.6 AV	54.0	-8.4	1.41 V	360	29.47	16.13

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	51.9 PK	74.0	-22.1	1.63 H	343	39.69	12.21
2	11000.00	38.9 AV	54.0	-15.1	1.63 H	343	26.69	12.21
3	#16500.00	58.7 PK	74.0	-15.3	1.66 H	39	40.57	18.13
4	#16500.00	45.5 AV	54.0	-8.5	1.66 H	39	27.37	18.13
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	54.1 PK	74.0	-19.9	1.85 V	170	41.89	12.21
2	11000.00	40.3 AV	54.0	-13.7	1.85 V	170	28.09	12.21
3	#16500.00	58.9 PK	74.0	-15.1	1.46 V	360	40.77	18.13
4	#16500.00	46.0 AV	54.0	-8.0	1.46 V	360	27.87	18.13

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 120	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11200.00	51.9 PK	74.0	-22.1	1.64 H	350	39.50	12.40
2	11200.00	38.4 AV	54.0	-15.6	1.64 H	350	26.00	12.40
3	#16800.00	58.4 PK	74.0	-15.6	1.75 H	35	39.01	19.39
4	#16800.00	45.3 AV	54.0	-8.7	1.75 H	35	25.91	19.39
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11200.00	53.7 PK	74.0	-20.3	1.91 V	186	41.30	12.40
2	11200.00	40.0 AV	54.0	-14.0	1.91 V	186	27.60	12.40
3	#16800.00	58.5 PK	74.0	-15.5	1.44 V	360	39.11	19.39
4	#16800.00	45.7 AV	54.0	-8.3	1.44 V	360	26.31	19.39

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	52.4 PK	74.0	-21.6	1.59 H	348	39.79	12.61
2	11400.00	39.0 AV	54.0	-15.0	1.59 H	348	26.39	12.61
3	#17100.00	58.4 PK	74.0	-15.6	1.67 H	27	38.25	20.15
4	#17100.00	45.3 AV	54.0	-8.7	1.67 H	27	25.15	20.15
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	54.1 PK	74.0	-19.9	1.87 V	179	41.49	12.61
2	11400.00	40.3 AV	54.0	-13.7	1.87 V	179	27.69	12.61
3	#17100.00	59.2 PK	74.0	-14.8	1.50 V	360	39.05	20.15
4	#17100.00	46.2 AV	54.0	-7.8	1.50 V	360	26.05	20.15

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11490.00	52.0 PK	74.0	-22.0	1.59 H	331	39.61	12.39
2	11490.00	38.9 AV	54.0	-15.1	1.59 H	331	26.51	12.39
3	#17235.00	58.3 PK	74.0	-15.7	1.72 H	24	37.31	20.99
4	#17235.00	45.2 AV	54.0	-8.8	1.72 H	24	24.21	20.99
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11490.00	53.5 PK	74.0	-20.5	1.96 V	199	41.11	12.39
2	11490.00	40.1 AV	54.0	-13.9	1.96 V	199	27.71	12.39
3	#17235.00	58.4 PK	74.0	-15.6	1.45 V	360	37.41	20.99
4	#17235.00	45.5 AV	54.0	-8.5	1.45 V	360	24.51	20.99

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11570.00	51.7 PK	74.0	-22.3	1.69 H	347	39.38	12.32
2	11570.00	38.5 AV	54.0	-15.5	1.69 H	347	26.18	12.32
3	#17355.00	58.5 PK	74.0	-15.5	1.68 H	24	37.23	21.27
4	#17355.00	45.3 AV	54.0	-8.7	1.68 H	24	24.03	21.27
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11570.00	53.3 PK	74.0	-20.7	1.91 V	179	40.98	12.32
2	11570.00	39.7 AV	54.0	-14.3	1.91 V	179	27.38	12.32
3	#17355.00	58.2 PK	74.0	-15.8	1.43 V	360	36.93	21.27
4	#17355.00	45.5 AV	54.0	-8.5	1.43 V	360	24.23	21.27

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11650.00	51.7 PK	74.0	-22.3	1.62 H	328	39.34	12.36
2	11650.00	38.4 AV	54.0	-15.6	1.62 H	328	26.04	12.36
3	#17475.00	58.5 PK	74.0	-15.5	1.66 H	13	37.33	21.17
4	#17475.00	45.3 AV	54.0	-8.7	1.66 H	13	24.13	21.17
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11650.00	53.9 PK	74.0	-20.1	1.93 V	181	41.54	12.36
2	11650.00	40.3 AV	54.0	-13.7	1.93 V	181	27.94	12.36
3	#17475.00	58.8 PK	74.0	-15.2	1.43 V	360	37.63	21.17
4	#17475.00	45.9 AV	54.0	-8.1	1.43 V	360	24.73	21.17

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

802.11ac (VHT40)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10380.00	51.2 PK	74.0	-22.8	1.68 H	330	39.13	12.07
2	#10380.00	38.1 AV	54.0	-15.9	1.68 H	330	26.03	12.07
3	15570.00	57.9 PK	74.0	-16.1	1.68 H	37	42.09	15.81
4	15570.00	45.0 AV	54.0	-9.0	1.68 H	37	29.19	15.81
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10380.00	53.9 PK	74.0	-20.1	1.86 V	183	41.83	12.07
2	#10380.00	40.3 AV	54.0	-13.7	1.86 V	183	28.23	12.07
3	15570.00	58.7 PK	74.0	-15.3	1.47 V	360	42.89	15.81
4	15570.00	45.8 AV	54.0	-8.2	1.47 V	360	29.99	15.81

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10460.00	52.3 PK	74.0	-21.7	1.68 H	347	40.25	12.05
2	#10460.00	38.9 AV	54.0	-15.1	1.68 H	347	26.85	12.05
3	15690.00	58.6 PK	74.0	-15.4	1.66 H	16	42.53	16.07
4	15690.00	45.7 AV	54.0	-8.3	1.66 H	16	29.63	16.07
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10460.00	53.6 PK	74.0	-20.4	1.86 V	186	41.55	12.05
2	#10460.00	40.0 AV	54.0	-14.0	1.86 V	186	27.95	12.05
3	15690.00	58.6 PK	74.0	-15.4	1.48 V	360	42.53	16.07
4	15690.00	46.1 AV	54.0	-7.9	1.48 V	360	30.03	16.07

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10540.00	51.6 PK	74.0	-22.4	1.63 H	347	39.83	11.77
2	#10540.00	38.5 AV	54.0	-15.5	1.63 H	347	26.73	11.77
3	15810.00	58.3 PK	74.0	-15.7	1.67 H	40	41.74	16.56
4	15810.00	45.3 AV	54.0	-8.7	1.67 H	40	28.74	16.56
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10540.00	54.0 PK	74.0	-20.0	1.89 V	194	42.23	11.77
2	#10540.00	40.2 AV	54.0	-13.8	1.89 V	194	28.43	11.77
3	15810.00	58.3 PK	74.0	-15.7	1.41 V	360	41.74	16.56
4	15810.00	45.5 AV	54.0	-8.5	1.41 V	360	28.94	16.56

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10620.00	51.8 PK	74.0	-22.2	1.65 H	350	40.32	11.48
2	10620.00	38.3 AV	54.0	-15.7	1.65 H	350	26.82	11.48
3	15930.00	58.1 PK	74.0	-15.9	1.65 H	22	41.91	16.19
4	15930.00	45.3 AV	54.0	-8.7	1.65 H	22	29.11	16.19
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10620.00	54.2 PK	74.0	-19.8	1.91 V	201	42.72	11.48
2	10620.00	40.3 AV	54.0	-13.7	1.91 V	201	28.82	11.48
3	15930.00	58.6 PK	74.0	-15.4	1.41 V	360	42.41	16.19
4	15930.00	45.8 AV	54.0	-8.2	1.41 V	360	29.61	16.19

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11020.00	51.4 PK	74.0	-22.6	1.59 H	329	39.16	12.24
2	11020.00	38.3 AV	54.0	-15.7	1.59 H	329	26.06	12.24
3	#16530.00	58.2 PK	74.0	-15.8	1.65 H	37	39.84	18.36
4	#16530.00	45.4 AV	54.0	-8.6	1.65 H	37	27.04	18.36
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11020.00	53.3 PK	74.0	-20.7	1.87 V	182	41.06	12.24
2	11020.00	39.6 AV	54.0	-14.4	1.87 V	182	27.36	12.24
3	#16530.00	58.0 PK	74.0	-16.0	1.40 V	360	39.64	18.36
4	#16530.00	45.4 AV	54.0	-8.6	1.40 V	360	27.04	18.36

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 118	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11180.00	52.0 PK	74.0	-22.0	1.63 H	331	39.61	12.39
2	11180.00	38.7 AV	54.0	-15.3	1.63 H	331	26.31	12.39
3	#16770.00	58.5 PK	74.0	-15.5	1.71 H	17	39.17	19.33
4	#16770.00	45.4 AV	54.0	-8.6	1.71 H	17	26.07	19.33
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11180.00	54.3 PK	74.0	-19.7	1.85 V	201	41.91	12.39
2	11180.00	40.3 AV	54.0	-13.7	1.85 V	201	27.91	12.39
3	#16770.00	58.2 PK	74.0	-15.8	1.39 V	360	38.87	19.33
4	#16770.00	45.6 AV	54.0	-8.4	1.39 V	360	26.27	19.33

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11340.00	52.6 PK	74.0	-21.4	1.58 H	348	40.21	12.39
2	11340.00	39.1 AV	54.0	-14.9	1.58 H	348	26.71	12.39
3	#17010.00	57.8 PK	74.0	-16.2	1.70 H	33	37.22	20.58
4	#17010.00	44.9 AV	54.0	-9.1	1.70 H	33	24.32	20.58
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11340.00	54.1 PK	74.0	-19.9	1.95 V	173	41.71	12.39
2	11340.00	40.2 AV	54.0	-13.8	1.95 V	173	27.81	12.39
3	#17010.00	58.1 PK	74.0	-15.9	1.43 V	360	37.52	20.58
4	#17010.00	45.3 AV	54.0	-8.7	1.43 V	360	24.72	20.58

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11510.00	51.4 PK	74.0	-22.6	1.69 H	353	39.04	12.36
2	11510.00	38.3 AV	54.0	-15.7	1.69 H	353	25.94	12.36
3	#17265.00	58.4 PK	74.0	-15.6	1.75 H	33	37.61	20.79
4	#17265.00	45.7 AV	54.0	-8.3	1.75 H	33	24.91	20.79
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11510.00	54.4 PK	74.0	-19.6	1.87 V	202	42.04	12.36
2	11510.00	40.5 AV	54.0	-13.5	1.87 V	202	28.14	12.36
3	#17265.00	58.3 PK	74.0	-15.7	1.39 V	360	37.51	20.79
4	#17265.00	45.4 AV	54.0	-8.6	1.39 V	360	24.61	20.79

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11590.00	51.9 PK	74.0	-22.1	1.66 H	337	39.58	12.32
2	11590.00	38.7 AV	54.0	-15.3	1.66 H	337	26.38	12.32
3	#17385.00	58.3 PK	74.0	-15.7	1.72 H	19	36.67	21.63
4	#17385.00	45.1 AV	54.0	-8.9	1.72 H	19	23.47	21.63
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11590.00	53.8 PK	74.0	-20.2	1.90 V	173	41.48	12.32
2	11590.00	39.9 AV	54.0	-14.1	1.90 V	173	27.58	12.32
3	#17385.00	58.3 PK	74.0	-15.7	1.40 V	360	36.67	21.63
4	#17385.00	45.3 AV	54.0	-8.7	1.40 V	360	23.67	21.63

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

802.11ac (VHT80)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10420.00	52.2 PK	74.0	-21.8	1.59 H	333	40.14	12.06
2	#10420.00	38.6 AV	54.0	-15.4	1.59 H	333	26.54	12.06
3	15630.00	58.7 PK	74.0	-15.3	1.75 H	22	42.93	15.77
4	15630.00	45.5 AV	54.0	-8.5	1.75 H	22	29.73	15.77
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10420.00	53.6 PK	74.0	-20.4	1.91 V	171	41.54	12.06
2	#10420.00	39.7 AV	54.0	-14.3	1.91 V	171	27.64	12.06
3	15630.00	59.1 PK	74.0	-14.9	1.46 V	360	43.33	15.77
4	15630.00	46.1 AV	54.0	-7.9	1.46 V	360	30.33	15.77

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10580.00	51.9 PK	74.0	-22.1	1.65 H	331	40.38	11.52
2	#10580.00	38.7 AV	54.0	-15.3	1.65 H	331	27.18	11.52
3	15870.00	58.8 PK	74.0	-15.2	1.71 H	37	42.44	16.36
4	15870.00	45.6 AV	54.0	-8.4	1.71 H	37	29.24	16.36
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10580.00	53.9 PK	74.0	-20.1	1.89 V	179	42.38	11.52
2	#10580.00	40.1 AV	54.0	-13.9	1.89 V	179	28.58	11.52
3	15870.00	58.0 PK	74.0	-16.0	1.43 V	360	41.64	16.36
4	15870.00	45.2 AV	54.0	-8.8	1.43 V	360	28.84	16.36

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11060.00	51.2 PK	74.0	-22.8	1.61 H	336	38.92	12.28
2	11060.00	38.2 AV	54.0	-15.8	1.61 H	336	25.92	12.28
3	#16590.00	59.1 PK	74.0	-14.9	1.65 H	13	40.30	18.80
4	#16590.00	45.8 AV	54.0	-8.2	1.65 H	13	27.00	18.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11060.00	53.7 PK	74.0	-20.3	1.93 V	175	41.42	12.28
2	11060.00	40.0 AV	54.0	-14.0	1.93 V	175	27.72	12.28
3	#16590.00	57.9 PK	74.0	-16.1	1.47 V	360	39.10	18.80
4	#16590.00	45.4 AV	54.0	-8.6	1.47 V	360	26.60	18.80

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11220.00	52.0 PK	74.0	-22.0	1.65 H	343	39.64	12.36
2	11220.00	38.8 AV	54.0	-15.2	1.65 H	343	26.44	12.36
3	#16830.00	58.0 PK	74.0	-16.0	1.74 H	23	38.56	19.44
4	#16830.00	45.0 AV	54.0	-9.0	1.74 H	23	25.56	19.44
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11220.00	54.1 PK	74.0	-19.9	1.85 V	196	41.74	12.36
2	11220.00	40.4 AV	54.0	-13.6	1.85 V	196	28.04	12.36
3	#16830.00	58.9 PK	74.0	-15.1	1.48 V	360	39.46	19.44
4	#16830.00	46.1 AV	54.0	-7.9	1.48 V	360	26.66	19.44

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11550.00	51.5 PK	74.0	-22.5	1.61 H	344	39.16	12.34
2	11550.00	38.2 AV	54.0	-15.8	1.61 H	344	25.86	12.34
3	#17325.00	58.6 PK	74.0	-15.4	1.70 H	34	37.71	20.89
4	#17325.00	45.7 AV	54.0	-8.3	1.70 H	34	24.81	20.89
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11550.00	54.0 PK	74.0	-20.0	1.86 V	183	41.66	12.34
2	11550.00	40.3 AV	54.0	-13.7	1.86 V	183	27.96	12.34
3	#17325.00	58.5 PK	74.0	-15.5	1.49 V	360	37.61	20.89
4	#17325.00	45.5 AV	54.0	-8.5	1.49 V	360	24.61	20.89

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

4.1.10 Test Results (Spurious emission) (Mode 2)

Above 1GHz Data:

802.11ac (VHT20)

CHANNEL	TX Channel 36	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#10360.00	52.5 PK	74.0	-21.5	1.64 H	360	40.44	12.06
2	#10360.00	38.7 AV	54.0	-15.3	1.64 H	360	26.64	12.06
3	15540.00	65.2 PK	74.0	-8.8	1.71 H	34	49.18	16.02
4	15540.00	51.4 AV	54.0	-2.6	1.71 H	34	35.38	16.02
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#10360.00	53.5 PK	74.0	-20.5	1.86 V	161	41.44	12.06
2	#10360.00	40.4 AV	54.0	-13.6	1.86 V	161	28.34	12.06
3	15540.00	58.0 PK	74.0	-16.0	1.50 V	360	41.98	16.02
4	15540.00	44.8 AV	54.0	-9.2	1.50 V	360	28.78	16.02

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	52.2 PK	74.0	-21.8	1.61 H	356	40.12	12.08
2	#10400.00	38.6 AV	54.0	-15.4	1.61 H	356	26.52	12.08
3	15600.00	65.7 PK	74.0	-8.3	1.68 H	26	50.09	15.61
4	15600.00	51.6 AV	54.0	-2.4	1.68 H	26	35.99	15.61
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	53.7 PK	74.0	-20.3	1.89 V	152	41.62	12.08
2	#10400.00	40.6 AV	54.0	-13.4	1.89 V	152	28.52	12.08
3	15600.00	57.5 PK	74.0	-16.5	1.48 V	360	41.89	15.61
4	15600.00	44.3 AV	54.0	-9.7	1.48 V	360	28.69	15.61

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	52.4 PK	74.0	-21.6	1.66 H	360	40.36	12.04
2	#10480.00	38.6 AV	54.0	-15.4	1.66 H	360	26.56	12.04
3	15720.00	65.7 PK	74.0	-8.3	1.70 H	18	49.49	16.21
4	15720.00	51.3 AV	54.0	-2.7	1.70 H	18	35.09	16.21
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	53.3 PK	74.0	-20.7	1.89 V	150	41.26	12.04
2	#10480.00	40.0 AV	54.0	-14.0	1.89 V	150	27.96	12.04
3	15720.00	58.0 PK	74.0	-16.0	1.44 V	360	41.79	16.21
4	15720.00	44.7 AV	54.0	-9.3	1.44 V	360	28.49	16.21

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	52.9 PK	74.0	-21.1	1.55 H	342	41.00	11.90
2	#10520.00	39.0 AV	54.0	-15.0	1.55 H	342	27.10	11.90
3	15780.00	65.1 PK	74.0	-8.9	1.74 H	17	48.60	16.50
4	15780.00	51.2 AV	54.0	-2.8	1.74 H	17	34.70	16.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	53.4 PK	74.0	-20.6	1.89 V	150	41.50	11.90
2	#10520.00	40.4 AV	54.0	-13.6	1.89 V	150	28.50	11.90
3	15780.00	58.0 PK	74.0	-16.0	1.55 V	360	41.50	16.50
4	15780.00	44.7 AV	54.0	-9.3	1.55 V	360	28.20	16.50

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	52.2 PK	74.0	-21.8	1.66 H	350	40.80	11.40
2	10600.00	38.6 AV	54.0	-15.4	1.66 H	350	27.20	11.40
3	15900.00	65.3 PK	74.0	-8.7	1.71 H	29	49.04	16.26
4	15900.00	51.5 AV	54.0	-2.5	1.71 H	29	35.24	16.26
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	53.8 PK	74.0	-20.2	1.88 V	171	42.40	11.40
2	10600.00	40.5 AV	54.0	-13.5	1.88 V	171	29.10	11.40
3	15900.00	58.1 PK	74.0	-15.9	1.44 V	360	41.84	16.26
4	15900.00	44.9 AV	54.0	-9.1	1.44 V	360	28.64	16.26

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	52.5 PK	74.0	-21.5	1.59 H	356	40.92	11.58
2	10640.00	39.0 AV	54.0	-15.0	1.59 H	356	27.42	11.58
3	15960.00	65.5 PK	74.0	-8.5	1.67 H	34	49.37	16.13
4	15960.00	51.2 AV	54.0	-2.8	1.67 H	34	35.07	16.13
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	53.6 PK	74.0	-20.4	1.91 V	168	42.02	11.58
2	10640.00	40.6 AV	54.0	-13.4	1.91 V	168	29.02	11.58
3	15960.00	57.3 PK	74.0	-16.7	1.51 V	360	41.17	16.13
4	15960.00	44.3 AV	54.0	-9.7	1.51 V	360	28.17	16.13

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	52.0 PK	74.0	-22.0	1.64 H	360	39.79	12.21
2	11000.00	38.3 AV	54.0	-15.7	1.64 H	360	26.09	12.21
3	#16500.00	66.2 PK	74.0	-7.8	1.71 H	30	48.07	18.13
4	#16500.00	51.8 AV	54.0	-2.2	1.71 H	30	33.67	18.13
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	53.7 PK	74.0	-20.3	1.91 V	150	41.49	12.21
2	11000.00	40.8 AV	54.0	-13.2	1.91 V	150	28.59	12.21
3	#16500.00	57.8 PK	74.0	-16.2	1.46 V	360	39.67	18.13
4	#16500.00	44.6 AV	54.0	-9.4	1.46 V	360	26.47	18.13

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 120	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11200.00	52.5 PK	74.0	-21.5	1.61 H	353	40.10	12.40
2	11200.00	38.8 AV	54.0	-15.2	1.61 H	353	26.40	12.40
3	#16800.00	65.3 PK	74.0	-8.7	1.66 H	23	45.91	19.39
4	#16800.00	51.2 AV	54.0	-2.8	1.66 H	23	31.81	19.39
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11200.00	53.3 PK	74.0	-20.7	1.82 V	160	40.90	12.40
2	11200.00	40.1 AV	54.0	-13.9	1.82 V	160	27.70	12.40
3	#16800.00	57.5 PK	74.0	-16.5	1.52 V	360	38.11	19.39
4	#16800.00	44.5 AV	54.0	-9.5	1.52 V	360	25.11	19.39

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	52.3 PK	74.0	-21.7	1.62 H	360	35.13	17.17
2	11400.00	38.6 AV	54.0	-15.4	1.62 H	360	21.43	17.17
3	#17100.00	65.9 PK	74.0	-8.1	1.66 H	33	44.09	21.81
4	#17100.00	51.7 AV	54.0	-2.3	1.66 H	33	29.89	21.81
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	53.6 PK	74.0	-20.4	1.88 V	160	36.43	17.17
2	11400.00	40.8 AV	54.0	-13.2	1.88 V	160	23.63	17.17
3	#17100.00	57.7 PK	74.0	-16.3	1.53 V	360	35.89	21.81
4	#17100.00	44.4 AV	54.0	-9.6	1.53 V	360	22.59	21.81

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11490.00	52.5 PK	74.0	-21.5	1.61 H	345	35.62	16.88
2	11490.00	38.9 AV	54.0	-15.1	1.61 H	345	22.02	16.88
3	#17235.00	65.4 PK	74.0	-8.6	1.69 H	34	43.28	22.12
4	#17235.00	51.2 AV	54.0	-2.8	1.69 H	34	29.08	22.12
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11490.00	53.3 PK	74.0	-20.7	1.92 V	146	36.42	16.88
2	11490.00	40.1 AV	54.0	-13.9	1.92 V	146	23.22	16.88
3	#17235.00	57.9 PK	74.0	-16.1	1.53 V	360	35.78	22.12
4	#17235.00	44.8 AV	54.0	-9.2	1.53 V	360	22.68	22.12

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11570.00	52.6 PK	74.0	-21.4	1.61 H	345	40.28	12.32
2	11570.00	38.9 AV	54.0	-15.1	1.61 H	345	26.58	12.32
3	#17355.00	65.6 PK	74.0	-8.4	1.68 H	39	44.33	21.27
4	#17355.00	51.3 AV	54.0	-2.7	1.68 H	39	30.03	21.27
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11570.00	53.1 PK	74.0	-20.9	1.89 V	157	40.78	12.32
2	11570.00	40.3 AV	54.0	-13.7	1.89 V	157	27.98	12.32
3	#17355.00	58.1 PK	74.0	-15.9	1.45 V	360	36.83	21.27
4	#17355.00	45.2 AV	54.0	-8.8	1.45 V	360	23.93	21.27

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11650.00	52.1 PK	74.0	-21.9	1.61 H	355	39.74	12.36
2	11650.00	38.7 AV	54.0	-15.3	1.61 H	355	26.34	12.36
3	#17475.00	65.6 PK	74.0	-8.4	1.63 H	23	44.43	21.17
4	#17475.00	51.2 AV	54.0	-2.8	1.63 H	23	30.03	21.17
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11650.00	54.0 PK	74.0	-20.0	1.81 V	172	41.64	12.36
2	11650.00	40.7 AV	54.0	-13.3	1.81 V	172	28.34	12.36
3	#17475.00	57.6 PK	74.0	-16.4	1.48 V	360	36.43	21.17
4	#17475.00	44.4 AV	54.0	-9.6	1.48 V	360	23.23	21.17

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

802.11ac (VHT40)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10380.00	50.2 PK	74.0	-23.8	1.00 H	136	34.32	15.88
2	#10380.00	38.9 AV	54.0	-15.1	1.00 H	136	23.02	15.88
3	15570.00	52.0 PK	74.0	-22.0	1.73 H	280	34.63	17.37
4	15570.00	40.0 AV	54.0	-14.0	1.73 H	280	22.63	17.37
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10380.00	51.4 PK	74.0	-22.6	1.76 V	292	35.52	15.88
2	#10380.00	40.4 AV	54.0	-13.6	1.76 V	292	24.52	15.88
3	15570.00	53.1 PK	74.0	-20.9	1.76 V	301	35.73	17.37
4	15570.00	44.7 AV	54.0	-9.3	1.76 V	301	27.33	17.37

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10460.00	52.8 PK	74.0	-21.2	1.71 H	297	40.75	12.05
2	#10460.00	39.1 AV	54.0	-14.9	1.71 H	297	27.05	12.05
3	15690.00	57.1 PK	74.0	-16.9	1.73 H	316	41.03	16.07
4	15690.00	42.3 AV	54.0	-11.7	1.73 H	316	26.23	16.07
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10460.00	52.2 PK	74.0	-21.8	1.80 V	293	40.15	12.05
2	#10460.00	40.9 AV	54.0	-13.1	1.80 V	293	28.85	12.05
3	15690.00	58.9 PK	74.0	-15.1	1.78 V	287	42.83	16.07
4	15690.00	44.5 AV	54.0	-9.5	1.78 V	287	28.43	16.07

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10540.00	52.0 PK	74.0	-22.0	1.74 H	289	40.23	11.77
2	#10540.00	38.4 AV	54.0	-15.6	1.74 H	289	26.63	11.77
3	15810.00	56.0 PK	74.0	-18.0	1.79 H	296	39.44	16.56
4	15810.00	43.0 AV	54.0	-11.0	1.79 H	296	26.44	16.56
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10540.00	52.1 PK	74.0	-21.9	2.35 V	236	40.33	11.77
2	#10540.00	40.3 AV	54.0	-13.7	2.35 V	236	28.53	11.77
3	15810.00	58.5 PK	74.0	-15.5	2.40 V	242	41.94	16.56
4	15810.00	43.3 AV	54.0	-10.7	2.40 V	242	26.74	16.56

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10620.00	52.2 PK	74.0	-21.8	1.68 H	206	35.81	16.39
2	10620.00	38.1 AV	54.0	-15.9	1.68 H	206	21.71	16.39
3	15930.00	53.4 PK	74.0	-20.6	1.58 H	209	36.76	16.64
4	15930.00	39.1 AV	54.0	-14.9	1.58 H	209	22.46	16.64
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10620.00	52.4 PK	74.0	-21.6	1.69 V	199	36.01	16.39
2	10620.00	39.1 AV	54.0	-14.9	1.69 V	199	22.71	16.39
3	15930.00	54.2 PK	74.0	-19.8	1.67 V	190	37.56	16.64
4	15930.00	40.1 AV	54.0	-13.9	1.67 V	190	23.46	16.64

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11020.00	52.1 PK	74.0	-21.9	1.64 H	220	34.83	17.27
2	11020.00	37.9 AV	54.0	-16.1	1.64 H	220	20.63	17.27
3	#16530.00	52.7 PK	74.0	-21.3	1.62 H	209	33.15	19.55
4	#16530.00	38.7 AV	54.0	-15.3	1.62 H	209	19.15	19.55
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11020.00	51.7 PK	74.0	-22.3	1.64 V	211	34.43	17.27
2	11020.00	38.7 AV	54.0	-15.3	1.64 V	211	21.43	17.27
3	#16530.00	53.4 PK	74.0	-20.6	1.71 V	185	33.85	19.55
4	#16530.00	39.6 AV	54.0	-14.4	1.71 V	185	20.05	19.55

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 118	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11180.00	52.2 PK	74.0	-21.8	1.59 H	345	39.81	12.39
2	11180.00	38.9 AV	54.0	-15.1	1.59 H	345	26.51	12.39
3	#16770.00	66.3 PK	74.0	-7.7	1.64 H	34	46.97	19.33
4	#16770.00	51.9 AV	54.0	-2.1	1.64 H	34	32.57	19.33
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11180.00	54.0 PK	74.0	-20.0	1.89 V	159	41.61	12.39
2	11180.00	40.8 AV	54.0	-13.2	1.89 V	159	28.41	12.39
3	#16770.00	56.8 PK	74.0	-17.2	1.49 V	360	37.47	19.33
4	#16770.00	43.9 AV	54.0	-10.1	1.49 V	360	24.57	19.33

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11340.00	51.6 PK	74.0	-22.4	1.57 H	331	34.37	17.23
2	11340.00	38.4 AV	54.0	-15.6	1.57 H	331	21.17	17.23
3	#17010.00	66.8 PK	74.0	-7.2	1.63 H	30	45.16	21.64
4	#17010.00	52.3 AV	54.0	-1.7	1.63 H	30	30.66	21.64
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11340.00	53.7 PK	74.0	-20.3	1.92 V	174	36.47	17.23
2	11340.00	40.4 AV	54.0	-13.6	1.92 V	174	23.17	17.23
3	#17010.00	56.5 PK	74.0	-17.5	1.45 V	360	34.86	21.64
4	#17010.00	43.4 AV	54.0	-10.6	1.45 V	360	21.76	21.64

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11510.00	52.6 PK	74.0	-21.4	1.64 H	347	35.79	16.81
2	11510.00	38.9 AV	54.0	-15.1	1.64 H	347	22.09	16.81
3	#17265.00	65.8 PK	74.0	-8.2	1.73 H	26	43.65	22.15
4	#17265.00	51.6 AV	54.0	-2.4	1.73 H	26	29.45	22.15
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11510.00	52.9 PK	74.0	-21.1	1.84 V	162	36.09	16.81
2	11510.00	40.1 AV	54.0	-13.9	1.84 V	162	23.29	16.81
3	#17265.00	57.8 PK	74.0	-16.2	1.45 V	360	35.65	22.15
4	#17265.00	45.0 AV	54.0	-9.0	1.45 V	360	22.85	22.15

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11590.00	52.3 PK	74.0	-21.7	1.65 H	346	39.98	12.32
2	11590.00	38.5 AV	54.0	-15.5	1.65 H	346	26.18	12.32
3	#17385.00	66.1 PK	74.0	-7.9	1.73 H	35	44.47	21.63
4	#17385.00	52.0 AV	54.0	-2.0	1.73 H	35	30.37	21.63
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11590.00	53.0 PK	74.0	-21.0	1.79 V	147	40.68	12.32
2	11590.00	40.1 AV	54.0	-13.9	1.79 V	147	27.78	12.32
3	#17385.00	57.5 PK	74.0	-16.5	1.43 V	360	35.87	21.63
4	#17385.00	44.6 AV	54.0	-9.4	1.43 V	360	22.97	21.63

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

802.11ac (VHT80)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10420.00	52.3 PK	74.0	-21.7	1.69 H	299	36.16	16.14
2	#10420.00	38.7 AV	54.0	-15.3	1.69 H	299	22.56	16.14
3	15630.00	56.6 PK	74.0	-17.4	1.67 H	329	39.01	17.59
4	15630.00	42.0 AV	54.0	-12.0	1.67 H	329	24.41	17.59
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10420.00	51.9 PK	74.0	-22.1	1.75 V	286	35.76	16.14
2	#10420.00	40.5 AV	54.0	-13.5	1.75 V	286	24.36	16.14
3	15630.00	59.0 PK	74.0	-15.0	1.81 V	300	41.41	17.59
4	15630.00	44.5 AV	54.0	-9.5	1.81 V	300	26.91	17.59

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10580.00	52.3 PK	74.0	-21.7	1.76 H	297	35.89	16.41
2	#10580.00	38.7 AV	54.0	-15.3	1.76 H	297	22.29	16.41
3	15870.00	56.2 PK	74.0	-17.8	1.82 H	290	39.52	16.68
4	15870.00	43.3 AV	54.0	-10.7	1.82 H	290	26.62	16.68
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10580.00	52.0 PK	74.0	-22.0	2.35 V	227	35.59	16.41
2	#10580.00	40.1 AV	54.0	-13.9	2.35 V	227	23.69	16.41
3	15870.00	59.0 PK	74.0	-15.0	2.34 V	238	42.32	16.68
4	15870.00	43.7 AV	54.0	-10.3	2.34 V	238	27.02	16.68

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11060.00	51.8 PK	74.0	-22.2	1.76 H	307	34.34	17.46
2	11060.00	38.5 AV	54.0	-15.5	1.76 H	307	21.04	17.46
3	#16590.00	55.7 PK	74.0	-18.3	1.78 H	286	36.14	19.56
4	#16590.00	43.0 AV	54.0	-11.0	1.78 H	286	23.44	19.56
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11060.00	51.9 PK	74.0	-22.1	2.40 V	226	34.44	17.46
2	11060.00	39.7 AV	54.0	-14.3	2.40 V	226	22.24	17.46
3	#16590.00	58.9 PK	74.0	-15.1	2.35 V	227	39.34	19.56
4	#16590.00	43.7 AV	54.0	-10.3	2.35 V	227	24.14	19.56

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11220.00	52.6 PK	74.0	-21.4	1.64 H	331	35.67	16.93
2	11220.00	39.2 AV	54.0	-14.8	1.64 H	331	22.27	16.93
3	#16830.00	66.4 PK	74.0	-7.6	1.59 H	45	46.38	20.02
4	#16830.00	51.8 AV	54.0	-2.2	1.59 H	45	31.78	20.02
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11220.00	53.8 PK	74.0	-20.2	1.90 V	172	36.87	16.93
2	11220.00	40.5 AV	54.0	-13.5	1.90 V	172	23.57	16.93
3	#16830.00	56.6 PK	74.0	-17.4	1.50 V	360	36.58	20.02
4	#16830.00	43.9 AV	54.0	-10.1	1.50 V	360	23.88	20.02

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11550.00	52.9 PK	74.0	-21.1	1.70 H	341	36.19	16.71
2	11550.00	39.4 AV	54.0	-14.6	1.70 H	341	22.69	16.71
3	#17325.00	65.4 PK	74.0	-8.6	1.77 H	27	43.00	22.40
4	#17325.00	51.3 AV	54.0	-2.7	1.77 H	27	28.90	22.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11550.00	52.5 PK	74.0	-21.5	1.89 V	155	35.79	16.71
2	11550.00	39.8 AV	54.0	-14.2	1.89 V	155	23.09	16.71
3	#17325.00	58.4 PK	74.0	-15.6	1.47 V	360	36.00	22.40
4	#17325.00	45.4 AV	54.0	-8.6	1.47 V	360	23.00	22.40

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

Below 1GHz Data:

802.11ac (VHT20)

CHANNEL	TX Channel 157	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	Below 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	96.01	35.1 QP	43.5	-8.4	1.50 H	326	53.41	-18.32
2	292.05	29.5 QP	46.0	-16.5	1.50 H	340	41.86	-12.33
3	399.86	29.9 QP	46.0	-16.1	1.00 H	264	39.29	-9.39
4	466.50	27.4 QP	46.0	-18.6	1.50 H	265	34.90	-7.54
5	664.96	26.8 QP	46.0	-19.3	1.50 H	20	30.08	-3.33
6	824.19	29.1 QP	46.0	-16.9	1.00 H	320	29.32	-0.19
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	53.14	31.1 QP	40.0	-8.9	1.00 V	84	44.22	-13.09
2	96.11	32.5 QP	43.5	-11.0	1.50 V	259	50.78	-18.31
3	291.95	23.1 QP	46.0	-22.9	1.00 V	287	35.41	-12.33
4	499.87	25.9 QP	46.0	-20.1	1.00 V	349	32.70	-6.83
5	749.06	30.3 QP	46.0	-15.7	1.50 V	205	31.48	-1.22
6	859.01	29.4 QP	46.0	-16.6	1.50 V	180	29.39	-0.01

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver R&S	ESCS 30	100375	May 06, 2015	May 05, 2016
Line-Impedance Stabilization Network (for EUT) SCHWARZBECK	NSLK-8127	8127-522	Sep. 01, 2015	Aug. 31, 2016
Line-Impedance Stabilization Network (for Peripheral) R&S	ENV216	100072	June 11, 2015	June 10, 2016
RF Cable	5D-FB	COCCAB-001	Mar. 09, 2015	Mar. 08, 2016
50 ohms Terminator	E1-011311	09	Nov. 27, 2014	Nov. 26, 2015
50 ohms Terminator	N/A	EMC-02	Sep. 30, 2014	Sep. 29, 2015
Software BVADT	BVADT_Cond_ V7.3.7.3	NA	NA	NA

Note:
1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Shielded Room No. C.
3 The VCCI Con C Registration No. is C-3611.
4 Tested Date: Sep. 17, 2015

4.2.3 Test Procedure

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

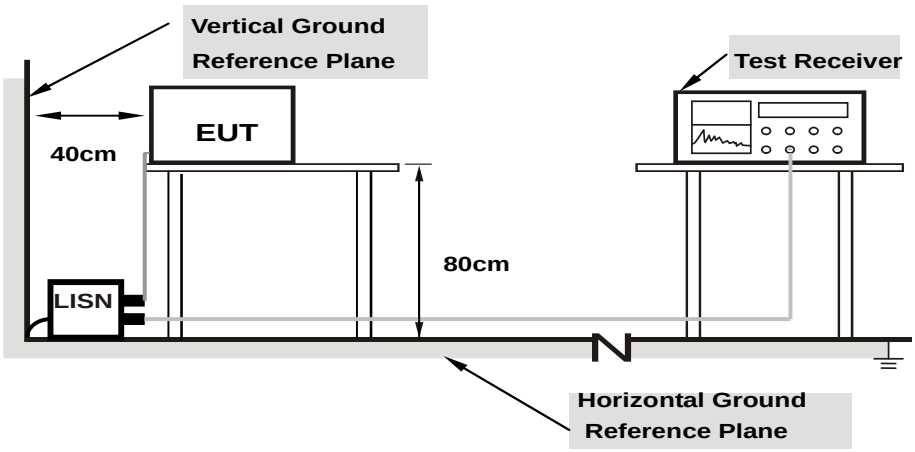
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.6 EUT Operating Condition

Same as 4.1.6.

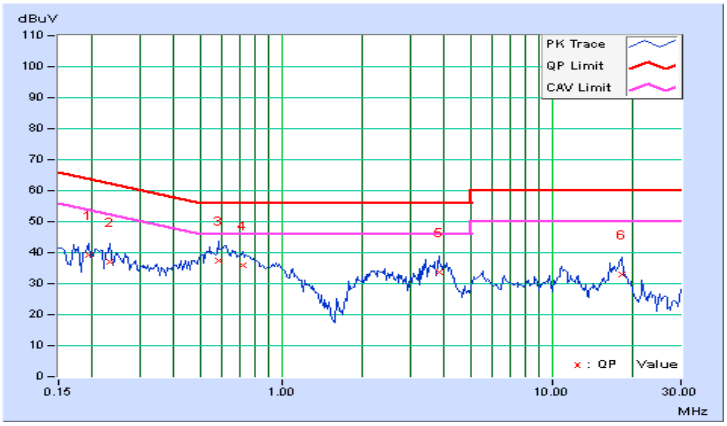
4.2.7 Test Results (Mode 2)

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.19297	0.12	39.21	33.55	39.33	33.67	63.91	53.91	-24.58	-20.24
2	0.23203	0.12	36.98	32.89	37.10	33.01	62.38	52.38	-25.27	-19.36
3	**0.58359**	**0.15**	**37.22**	**34.11**	**37.37**	**34.26**	**56.00**	**46.00**	**-18.63**	**-11.74**
4	0.71641	0.16	35.81	32.72	35.97	32.88	56.00	46.00	-20.03	-13.12
5	3.80859	0.27	33.54	28.46	33.81	28.73	56.00	46.00	-22.19	-17.27
6	18.21094	0.77	32.06	27.44	32.83	28.21	60.00	50.00	-27.17	-21.79

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

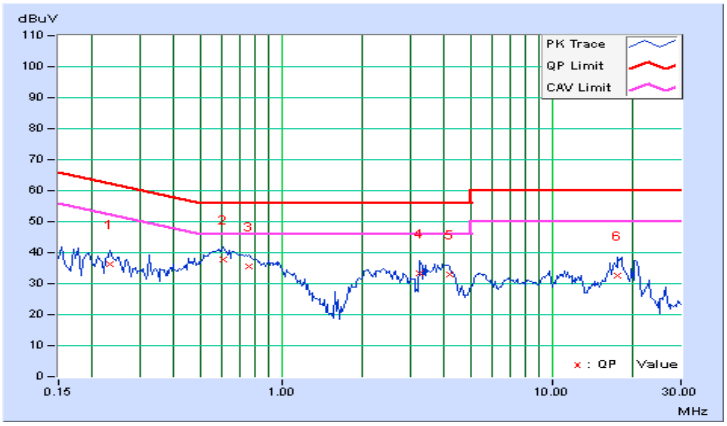


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.23203	0.10	36.35	31.55	36.45	31.65	62.38	52.38	-25.92	-20.72
2	0.61094	0.13	37.57	33.52	37.70	33.65	56.00	46.00	-18.30	-12.35
3	0.75547	0.14	35.60	32.50	35.74	32.64	56.00	46.00	-20.26	-13.36
4	3.25781	0.26	32.89	25.20	33.15	25.46	56.00	46.00	-22.85	-20.54
5	4.16797	0.30	32.52	29.00	32.82	29.30	56.00	46.00	-23.18	-16.70
6	17.50781	0.77	31.83	26.22	32.60	26.99	60.00	50.00	-27.40	-23.01

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



4.3 Transmit Power Measurment

4.3.1 Limits of Transmit Power Measurement

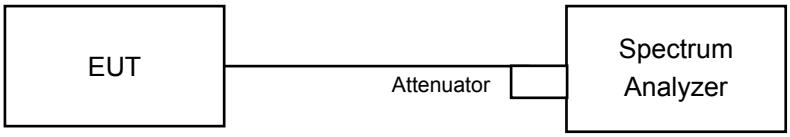
Operation Band	EUT Category		LIMIT
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p ≦ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
		Indoor Access Point	1 Watt (30 dBm)
	√	Mobile and Portable client device	250mW (24 dBm)
U-NII-2A	√		250mW (24 dBm) or 11 dBm+10 log B*
U-NII-2C	√		250mW (24 dBm) or 11 dBm+10 log B*
U-NII-3	√		1 Watt (30 dBm)

*B is the 26 dB emission bandwidth in megahertz

4.3.2 Test Setup

FOR POWER OUTPUT MEASUREMENT

FOR 26dB OCCUPIED BANDWIDTH



4.3.3 Test Instruments

FOR POWER OUTPUT MEASUREMENT

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Power Meter Anritsu	ML2495A	1014008	Apr. 28, 2015	Apr. 27, 2016
Power Sensor Anritsu	MA2411B	0917122	Apr. 28, 2015	Apr. 27, 2016

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. Tested Date: Nov. 23, 2015

FOR 26dB OCCUPIED BANDWIDTH

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSP40	100060	May 08, 2015	May 07, 2016

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. Tested Date: Nov. 23, 2015

4.3.4 Test Procedure

FOR AVERAGE POWER MEASUREMENT

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

FOR 26dB OCCUPIED BANDWIDTH

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

4.3.5 Deviation from Test Standard

No deviation.

4.3.6 EUT Operating Condition

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 Test Result (Mode 1)

802.11a

POWER OUTPUT

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)	Limit (dBm)	Pass / Fail
36	5180	82.035	19.14	24	Pass
40	5200	79.799	19.02	24	Pass
48	5240	77.804	18.91	24	Pass
52	5260	74.989	18.75	24	Pass
60	5300	71.45	18.54	24	Pass
64	5320	67.298	18.28	24	Pass
100	5500	79.068	18.98	24	Pass
120	5600	71.614	18.55	24	Pass
140	5700	40.644	16.09	24	Pass
149	5745	67.92	18.32	30	Pass
157	5785	103.992	20.17	30	Pass
165	5825	91.833	19.63	30	Pass

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
36	5180	37.24
40	5200	32.73
48	5240	29.81
52	5260	28.61
60	5300	25.57
64	5320	26.51
100	5500	23.45
120	5600	26.27
140	5700	31.51

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel	Frequency (MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	28.61	25.56 > 24
60	5300	25.57	25.07 > 24
64	5320	26.51	25.23 > 24
100	5500	23.45	24.7 > 24
120	5600	26.27	25.19 > 24
140	5700	31.51	25.98 > 24

802.11ac (VHT20)

POWER OUTPUT

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)	Limit (dBm)	Pass / Fail
36	5180	83.56	19.22	24	Pass
40	5200	81.846	19.13	24	Pass
48	5240	87.902	19.44	24	Pass
52	5260	73.961	18.69	24	Pass
60	5300	69.343	18.41	24	Pass
64	5320	66.988	18.26	24	Pass
100	5500	77.625	18.90	24	Pass
120	5600	95.06	19.78	24	Pass
140	5700	44.055	16.44	24	Pass
149	5745	67.608	18.30	30	Pass
157	5785	110.917	20.45	30	Pass
165	5825	117.761	20.71	30	Pass

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
36	5180	34.27
40	5200	34.50
48	5240	35.24
52	5260	29.78
60	5300	27.52
64	5320	29.70
100	5500	24.89
120	5600	30.02
140	5700	26.91

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel	Frequency (MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	29.78	25.73 > 24
60	5300	27.52	25.39 > 24
64	5320	29.70	25.72 > 24
100	5500	24.89	24.96 > 24
120	5600	30.02	25.77 > 24
140	5700	26.91	25.29 > 24

802.11ac (VHT40)

POWER OUTPUT

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)	Limit (dBm)	Pass / Fail
38	5190	80.91	19.08	24	Pass
46	5230	166.725	22.22	24	Pass
54	5270	165.959	22.20	24	Pass
62	5310	84.14	19.25	24	Pass
102	5510	63.387	18.02	24	Pass
118	5590	159.956	22.04	24	Pass
134	5670	102.565	20.11	24	Pass
151	5755	42.073	16.24	30	Pass
159	5795	122.462	20.88	30	Pass

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
38	5190	74.58
46	5230	72.31
54	5270	94.37
62	5310	75.44
102	5510	54.19
118	5590	96.60
134	5670	90.23

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel	Frequency (MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	94.37	30.74 > 24
62	5310	75.44	29.77 > 24
102	5510	54.19	28.33 > 24
110	5550	96.60	30.84 > 24
134	5670	90.23	30.55 > 24

802.11ac (VHT80)

POWER OUTPUT

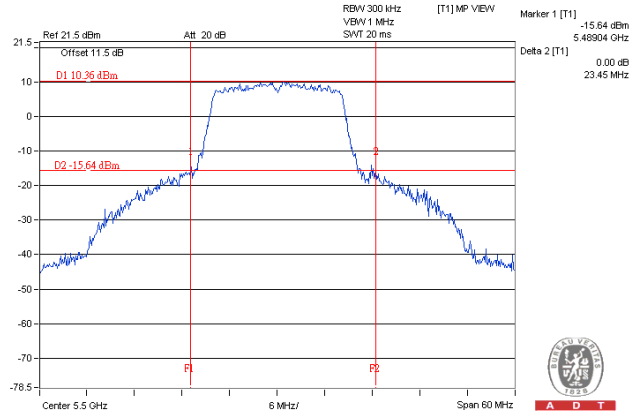
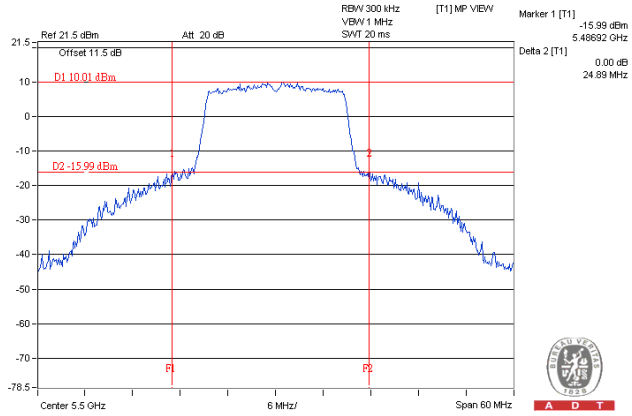
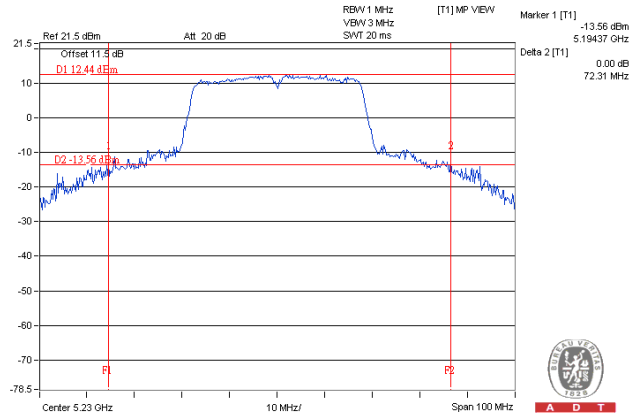
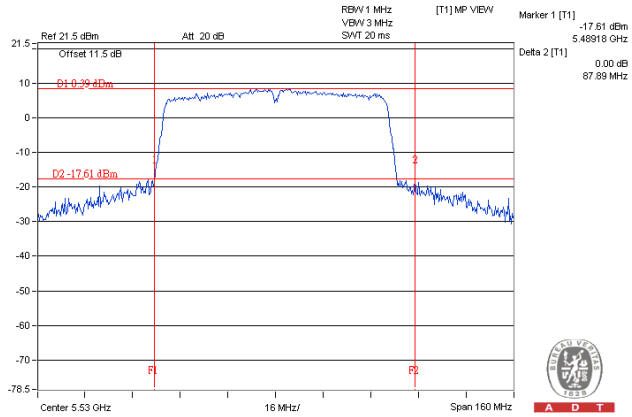
Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)	Limit (dBm)	Pass / Fail
42	5210	60.954	17.85	24	Pass
58	5290	54.45	17.36	24	Pass
106	5530	52.24	17.18	24	Pass
122	5610	132.13	21.21	24	Pass
155	5775	41.02	16.13	30	Pass

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
42	5210	100.48
58	5290	110.75
106	5530	87.89
122	5610	158.46

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel	Frequency (MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
58	5290	110.75	31.44 > 24
106	5530	87.89	30.43 > 24
122	5610	158.46	32.99 > 24

Spectrum Plot of Worst Value	
802.11a: CH100	**802.11ac (VHT20): CH100**
	
802.11ac (VHT40): CH46	**802.11ac (VHT80): CH106**
	

4.3.8 Test Result (Mode 2)

802.11ac (VHT20)

POWER OUTPUT

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	18.81	19.05	156.386	21.94	24.00	PASS
40	5200	19.13	19.39	168.742	22.27	24.00	PASS
48	5240	19.44	19.11	169.372	22.29	24.00	PASS
52	5260	18.69	19.28	158.684	22.01	24.00	PASS
60	5300	18.41	19.14	151.378	21.80	24.00	PASS
64	5320	17.31	18.15	119.14	20.76	24.00	PASS
100	5500	17.82	17.46	116.253	20.65	24.00	PASS
120	5600	19.78	19.21	178.428	22.51	24.00	PASS
140	5700	16.09	15.96	80.09	19.04	24.00	PASS
149	5745	14.96	14.57	59.975	17.78	30.00	PASS
157	5785	20.45	19.23	194.67	22.89	30.00	PASS
165	5825	20.41	19.22	193.461	22.87	30.00	PASS

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	33.47	33.15
40	5200	33.89	30.82
48	5240	30.49	29.35
52	5260	29.70	33.50
60	5300	33.09	30.72
64	5320	29.00	28.22
100	5500	24.19	20.64
120	5600	35.97	29.41
140	5700	26.47	21.65

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel	Frequency (MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	29.70	25.72 > 24
60	5300	30.72	25.87 > 24
64	5320	28.22	25.5 > 24
100	5500	20.64	24.14 > 24
120	5600	29.41	25.68 > 24
140	5700	21.65	24.35 > 24

802.11ac (VHT40)

POWER OUTPUT

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	15.87	15.33	72.756	18.62	24.00	PASS
46	5230	20.77	20.27	225.813	23.54	24.00	PASS
54	5270	20.11	19.35	188.664	22.76	24.00	PASS
62	5310	16.05	15.91	79.266	18.99	24.00	PASS
102	5510	15.69	15.25	70.565	18.49	24.00	PASS
118	5590	20.71	19.55	207.918	23.18	24.00	PASS
134	5670	18.25	18.11	131.548	21.19	24.00	PASS
151	5755	14.23	14.55	54.995	17.40	30.00	PASS
159	5795	20.01	19.42	187.729	22.74	30.00	PASS

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	52.37	41.55
46	5230	88.13	78.36
54	5270	79.30	78.69
62	5310	52.07	41.92
102	5510	42.25	41.76
118	5590	72.73	72.16
134	5670	86.88	63.17

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel	Frequency (MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	78.69	29.95 > 24
62	5310	41.92	27.22 > 24
102	5510	41.76	27.2 > 24
110	5550	72.16	29.58 > 24
134	5670	63.17	29 > 24

802.11ac (VHT80)

POWER OUTPUT

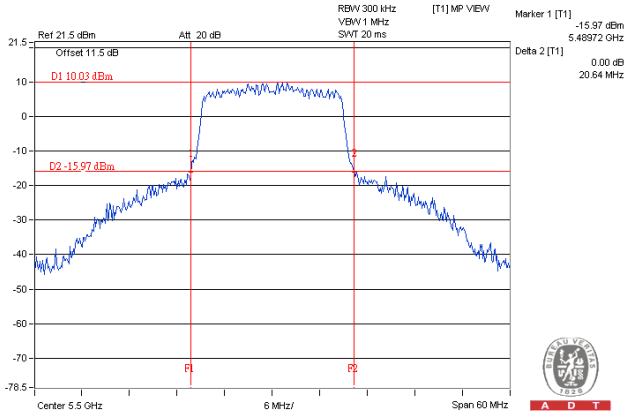
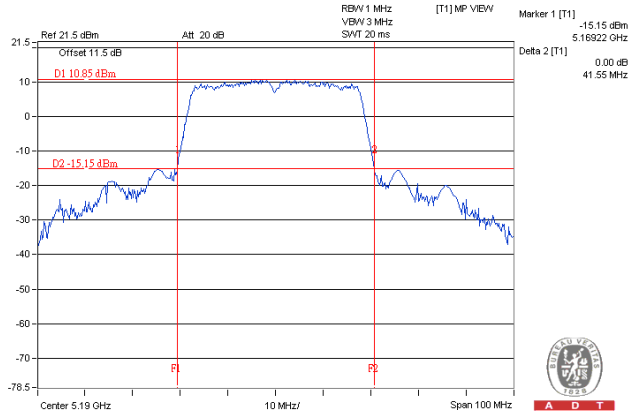
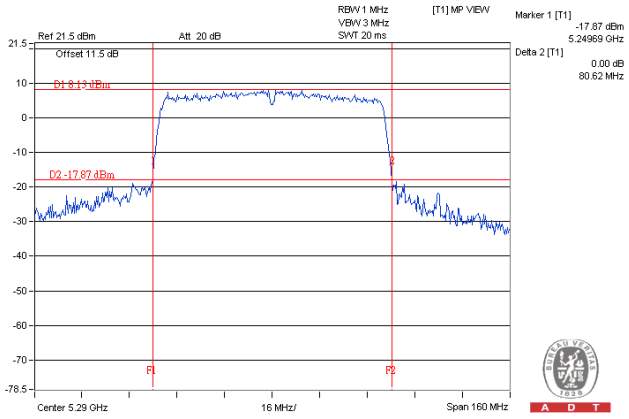
Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	15.17	15.01	64.581	18.10	24.00	PASS
58	5290	15.16	15.36	67.166	18.27	24.00	PASS
106	5530	14.60	14.91	59.814	17.77	24.00	PASS
122	5610	18.95	18.33	146.601	21.66	24.00	PASS
155	5775	13.39	13.10	42.244	16.26	30.00	PASS

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	81.56	81.20
58	5290	81.47	80.62
106	5530	81.10	80.93
122	5610	138.18	122.87

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel	Frequency (MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
58	5290	80.62	30.06 > 24
106	5530	80.93	30.08 > 24
122	5610	122.87	31.89 > 24

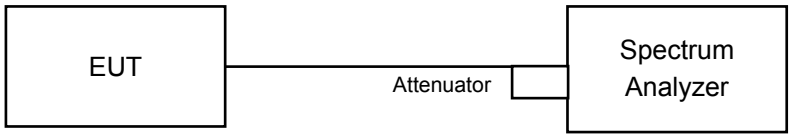
Spectrum Plot of Worst Value	
802.11ac (VHT20)-Chain (1): CH100	**802.11ac (VHT40)-Chain (1): CH38**
	
802.11ac (VHT80)-Chain (1): CH58	
	

4.4 Peak Power Spectral Density Measurement

4.4.1 Limits of Peak Power Spectral Density Measurement

Operation Band	EUT Category		LIMIT
U-NII-1		Outdoor Access Point	17dBm/ MHz
		Fixed point-to-point Access Point	
		Indoor Access Point	
	√	Mobile and Portable client device	11dBm/ MHz
U-NII-2A	√		11dBm/ MHz
U-NII-2C	√		11dBm/ MHz
U-NII-3	√		30dBm/ 500kHz

4.4.2 Test Setup



4.4.3 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSP40	100060	May 08, 2015	May 07, 2016

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. Tested Date: Nov. 23, 2015

4.4.4 Test Procedure

For 802.11a, 802.11ac (VHT20) & 802.11ac (VHT40):

For U-NII-1, U-NII-2A & U-NII-2C:

Using method SA-1

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
3. Sweep time = auto, trigger set to “free run”.
4. Trace average at least 100 traces in power averaging mode.
5. Record the max value

For U-NII-3:

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS
3. Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
4. Scale the observed power level to an equivalent value in 500 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log(500 kHz/300kHz)
5. Sweep time = auto, trigger set to “free run”.
6. Trace average at least 100 traces in power averaging mode.
7. Record the max value

For 802.11ac (VHT80):

For U-NII-1, U-NII-2A & U-NII-2C:

Using method SA-2

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
3. Sweep time = auto, trigger set to “free run”.
4. Trace average at least 100 traces in power averaging mode.
5. Record the max value and add 10 log (1/duty cycle)

For U-NII-3:

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS
3. Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
4. Scale the observed power level to an equivalent value in 500 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log(500 kHz/300kHz)
5. Sweep time = auto, trigger set to “free run”.
6. Trace average at least 100 traces in power averaging mode.
7. Record the max value and add 10 log (1/duty cycle)

4.4.5 Deviation from Test Standard

No deviation.

4.4.6 EUT Operating Condition

Same as Item 4.3.6.

4.4.7 Test Results (Mode 1)

For U-NII-1, U-NII-2A & U-NII-2C:

802.11a

Channel	Frequency (MHz)	Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
36	5180	6.38	11	Pass
40	5200	5.88	11	Pass
48	5240	5.43	11	Pass
52	5260	5.52	11	Pass
60	5300	5.31	11	Pass
64	5320	5.29	11	Pass
100	5500	5.33	11	Pass
120	5600	5.35	11	Pass
140	5700	4.94	11	Pass

802.11ac (VHT20)

Channel	Frequency (MHz)	Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
36	5180	4.73	11	Pass
40	5200	5.53	11	Pass
48	5240	5.92	11	Pass
52	5260	5.17	11	Pass
60	5300	4.57	11	Pass
64	5320	4.90	11	Pass
100	5500	4.97	11	Pass
120	5600	5.76	11	Pass
140	5700	3.26	11	Pass

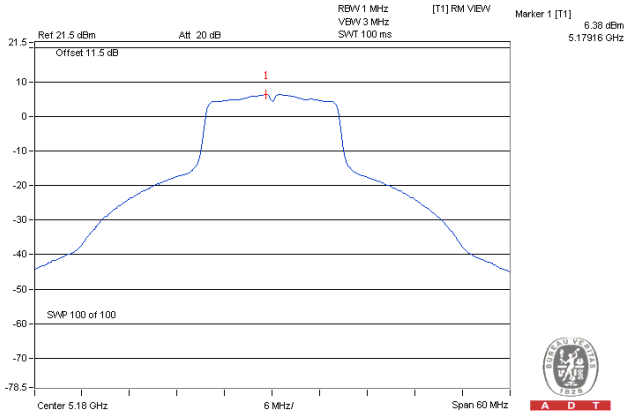
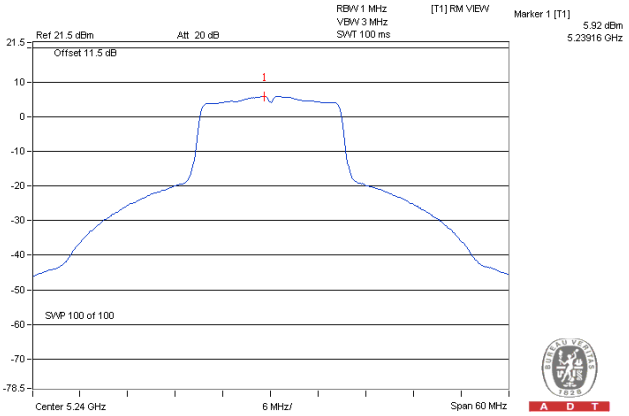
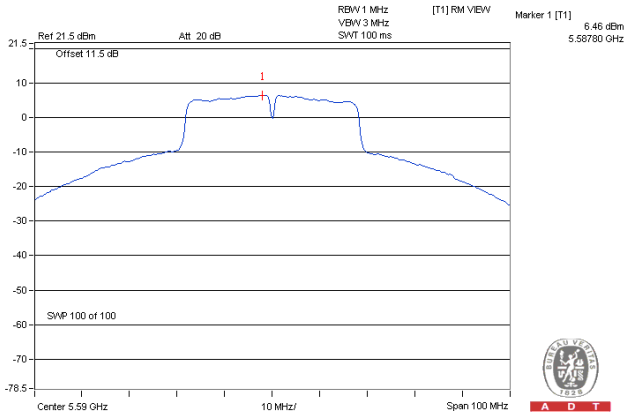
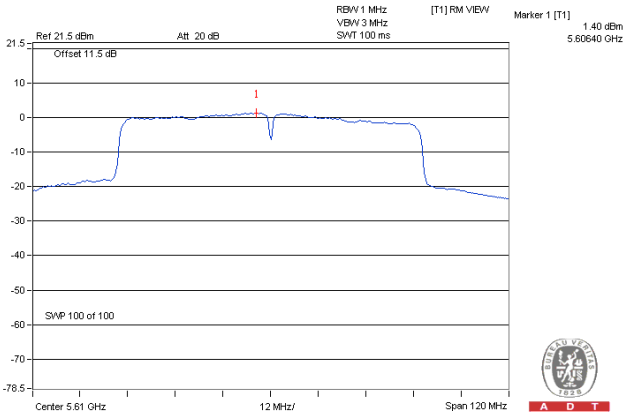
802.11ac (VHT40)

Channel	Frequency (MHz)	Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
38	5190	2.29	11	Pass
46	5230	5.12	11	Pass
54	5270	5.06	11	Pass
62	5310	2.53	11	Pass
102	5510	1.77	11	Pass
118	5590	6.46	11	Pass
134	5670	2.55	11	Pass

802.11ac (VHT80):

Channel	Frequency (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	Total PSD With Duty Factor (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
42	5210	-1.90	0.33	-1.57	11	Pass
58	5290	-1.78	0.33	-1.45	11	Pass
106	5530	-2.21	0.33	-1.88	11	Pass
122	5610	1.40	0.33	1.73	11	Pass

Note: 1. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value	
802.11a: CH36	**802.11ac (VHT20): CH48**
	
802.11ac (VHT40): CH118	**802.11ac (VHT80): CH122**
	

For U-NII-3:

802.11a

Channel	Frequency (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
149	5745	-2.70	-0.48	30	Pass
157	5785	-0.51	1.71	30	Pass
165	5825	-1.66	0.56	30	Pass

802.11ac (VHT20)

Channel	Frequency (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
149	5745	-3.23	-1.01	30	Pass
157	5785	-0.98	1.24	30	Pass
165	5825	-1.02	1.20	30	Pass

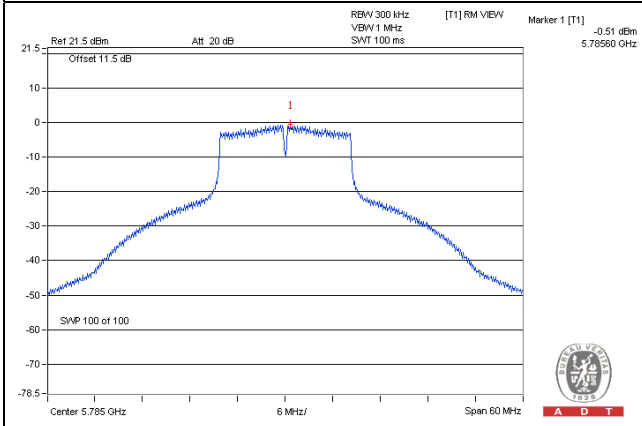
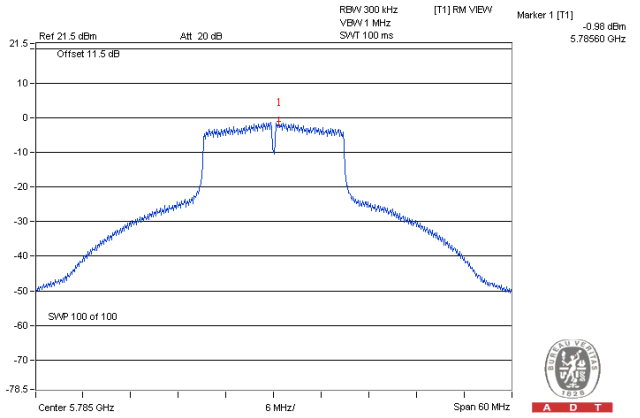
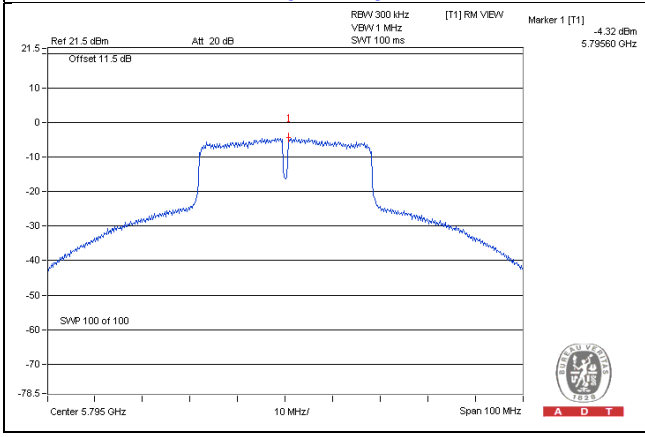
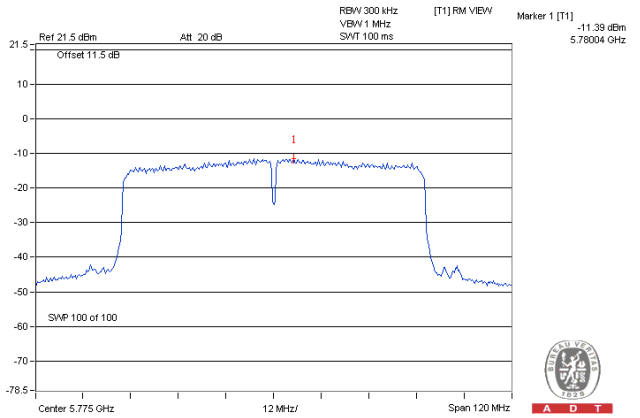
802.11ac (VHT40)

Channel	Frequency (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
151	5755	-7.75	-5.53	30	Pass
159	5795	-4.32	-2.10	30	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	PSD W/O Duty Factor		Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
		(dBm/300kHz)	(dBm/500kHz)				
155	5775	-11.39	-9.17	0.33	-8.84	30	Pass

Note: 1. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value	
802.11a: CH157	**802.11ac (VHT20): CH157**
	
802.11ac (VHT40): CH159	**802.11ac (VHT80): CH155**
	

4.4.8 Test Results (Mode 2)

For U-NII-1, U-NII-2A & U-NII-2C:

802.11ac (VHT20)

Channel	Frequency (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	5.01	6.07	8.58	11	PASS
40	5200	5.08	5.71	8.42	11	PASS
48	5240	5.44	6.09	8.79	11	PASS
52	5260	5.00	6.09	8.59	11	PASS
60	5300	5.13	5.79	8.48	11	PASS
64	5320	4.68	5.44	8.09	11	PASS
100	5500	4.35	3.99	7.18	11	PASS
120	5600	6.25	6.18	9.23	11	PASS
140	5700	3.18	2.42	5.83	11	PASS

NOTE: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

802.11ac (VHT40)

Channel	Frequency (MHz)	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
38	5190	-0.99	-0.37	2.34	11	PASS
46	5230	3.25	3.86	6.58	11	PASS
54	5270	3.17	2.87	6.03	11	PASS
62	5310	-0.49	-0.80	2.37	11	PASS
102	5510	-1.18	-1.00	1.92	11	PASS
118	5590	3.00	3.01	6.02	11	PASS
134	5670	1.92	1.76	4.85	11	PASS

NOTE: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

802.11ac (VHT80)

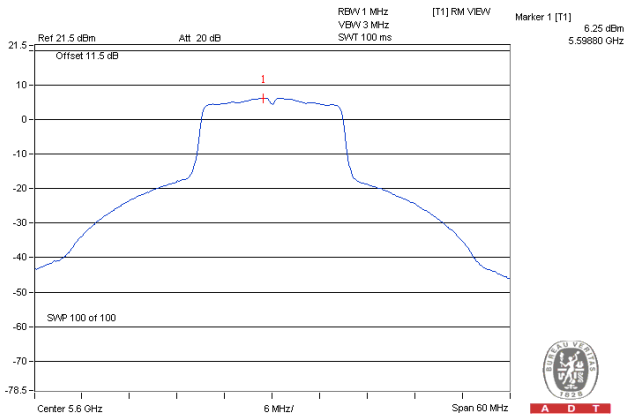
Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD With Duty Factor (dBm/MHz)	MAX. Limit (dBmMHz)	Pass / Fail
		Chain 0	Chain 1				
42	5210	-5.43	-4.69	0.33	-1.70	11	Pass
58	5290	-4.77	-3.76	0.33	-0.90	11	Pass
106	5530	-4.76	-4.25	0.33	-1.16	11	Pass
122	5610	-0.85	-0.59	0.33	2.62	11	Pass

NOTE: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

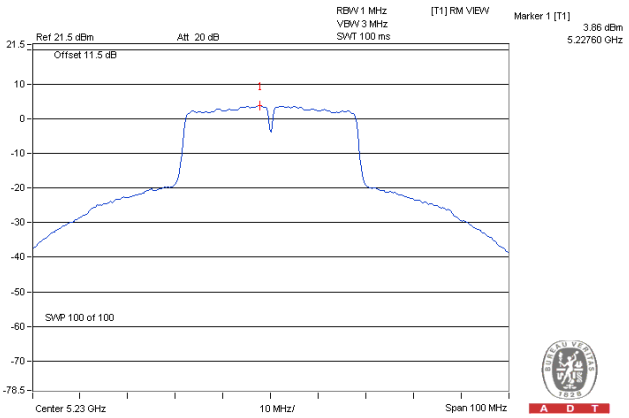
2. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

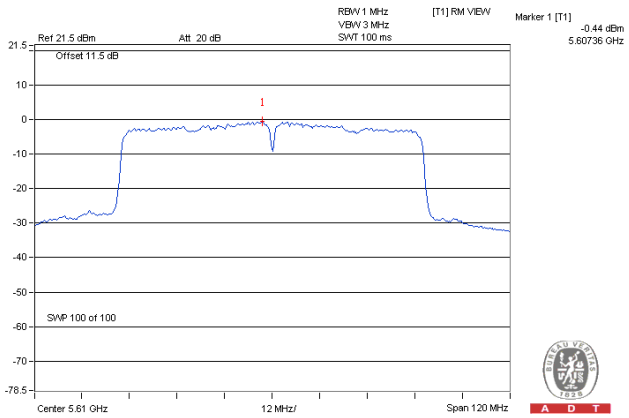
802.11ac (VHT20)-Chain (0): CH120



802.11ac (VHT40)-Chain (1): CH46



802.11ac (VHT80)-Chain (1): CH122



For U-NII-3:

802.11ac (VHT20)

Channel	Frequency (MHz)	Chan. Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	149	5745	-6.44	-4.22	3.01	-1.21	30	Pass
	157	5785	-1.46	0.76	3.01	3.77	30	Pass
	165	5825	-2.45	-0.23	3.01	2.78	30	Pass
1	149	5745	-6.73	-4.51	3.01	-1.50	30	Pass
	157	5785	-1.67	0.55	3.01	3.56	30	Pass
	165	5825	-1.66	0.56	3.01	3.57	30	Pass

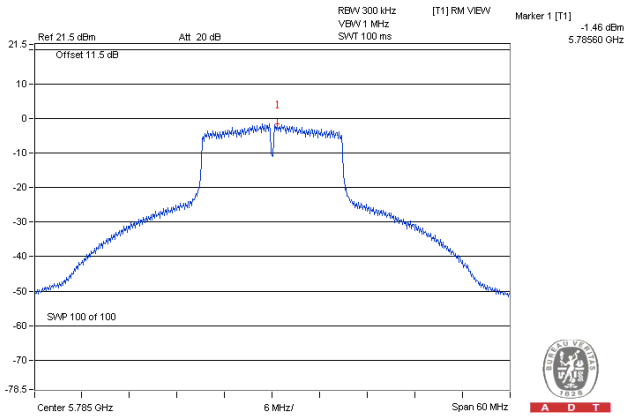
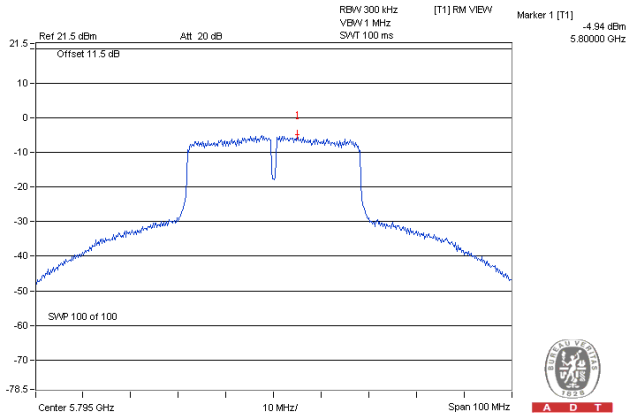
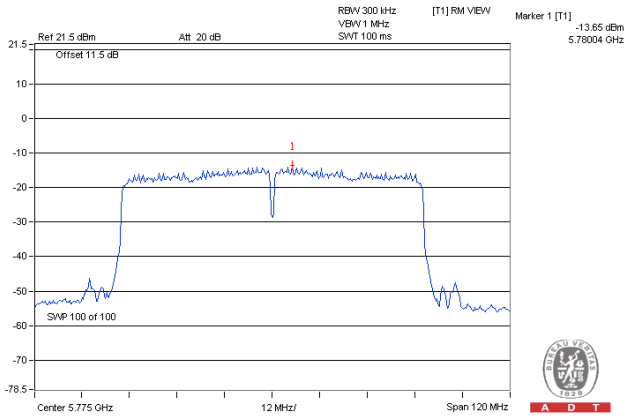
802.11ac (VHT40)

Channel	Frequency (MHz)	Chan. Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	151	5745	-9.98	-7.76	3.01	-4.75	30	Pass
	159	5785	-5.50	-3.28	3.01	-0.27	30	Pass
1	151	5745	-9.27	-7.05	3.01	-4.04	30	Pass
	159	5785	-4.94	-2.72	3.01	0.29	30	Pass

802.11ac (VHT80)

TX chain	Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	155	5775	-15.07	-12.85	3.01	0.33	-9.51	30	Pass
1	155	5775	-13.65	-11.43	3.01	0.33	-8.09	30	Pass

Note: 1. Refer to section 3.3 for duty cycle spectrum plot.

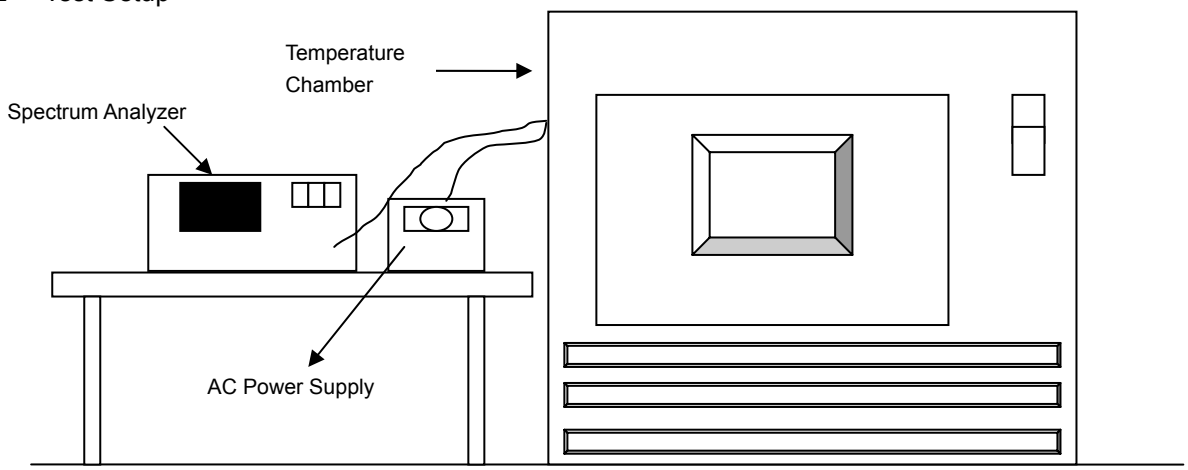
Spectrum Plot of Worst Value	
802.11ac (VHT20)-Chain (0): CH157	**802.11ac (VHT40)-Chain (1): CH159**
	
802.11ac (VHT80)-Chain (1): CH155	
	

4.5 Frequency Stability Measurement

4.5.1 Limits of Frequency Stability Measurement

The frequency of the carrier signal shall be maintained within band of operation

4.5.2 Test Setup



4.5.3 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSP40	100060	May 08, 2015	May 07, 2016
Temperature & Humidity Chamber GIANTFORCE	GTH-150-40-SP-AR	MAA0812-008	Jan. 12, 2015	Jan. 11, 2016

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. Tested Date: Nov. 23, 2015

4.5.4 Test Procedure

a. The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
b. Turn the EUT on and couple its output to a spectrum analyzer.
c. Turn the EUT off and set the chamber to the highest temperature specified.
d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Condition

Set the EUT transmit at un-modulation mode to test frequency stability.

4.5.7 Test Results (Mode 1)

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5180MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5179.992	-0.00015	5179.9932	-0.00013	5179.9893	-0.00021	5179.9905	-0.00018
40	120	5180.0056	0.00011	5180.0048	0.00009	5180.0076	0.00015	5180.0076	0.00015
30	120	5179.9872	-0.00025	5179.9884	-0.00022	5179.9842	-0.00031	5179.9847	-0.00030
20	120	5179.9854	-0.00028	5179.9845	-0.00030	5179.9861	-0.00027	5179.9872	-0.00025
10	120	5179.9887	-0.00022	5179.99	-0.00019	5179.9887	-0.00022	5179.989	-0.00021
0	120	5180.0205	0.00040	5180.0202	0.00039	5180.0184	0.00036	5180.0208	0.00040
-10	120	5179.9818	-0.00035	5179.9813	-0.00036	5179.9841	-0.00031	5179.9832	-0.00032
-20	120	5179.9905	-0.00018	5179.9882	-0.00023	5179.9922	-0.00015	5179.9914	-0.00017
-30	120	5179.9963	-0.00007	5179.9945	-0.00011	5179.9968	-0.00006	5179.9973	-0.00005

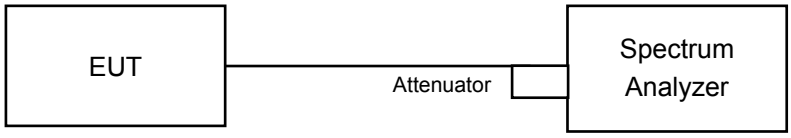
FREQUEMCY STABILITY VERSUS VOLTAGE									
OPERATING FREQUENCY: 5180MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5179.9845	-0.00030	5179.9847	-0.00030	5179.987	-0.00025	5179.9863	-0.00026
	120	5179.9854	-0.00028	5179.9845	-0.00030	5179.9861	-0.00027	5179.9872	-0.00025
	102	5179.9858	-0.00027	5179.9841	-0.00031	5179.9868	-0.00025	5179.987	-0.00025

4.6 6dB Bandwidth Measurment

4.6.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

4.6.2 Test Setup



4.6.3 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSP40	100060	May 08, 2015	May 07, 2016

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. Tested Date: Nov. 23, 2015

4.6.4 Test Procedure

MEASUREMENT PROCEDURE REF

a. Set resolution bandwidth (RBW) = 100kHz
b. Set the video bandwidth (VBW) ≥ 3 x RBW, Detector = Peak.
c. Trace mode = max hold.
d. Sweep = auto couple.
e. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission

4.6.5 Deviation from Test Standard

No deviation.

4.6.6 EUT Operating Condition

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.6.7 Test Results (Mode 1)

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
149	5745	16.37	0.5	Pass
157	5785	16.39	0.5	Pass
165	5825	16.37	0.5	Pass

802.11ac (VHT20)

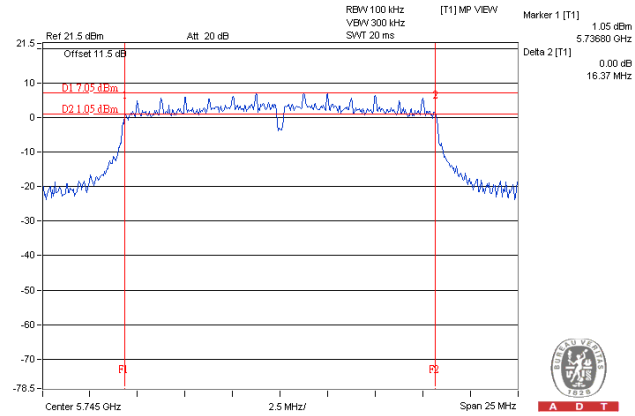
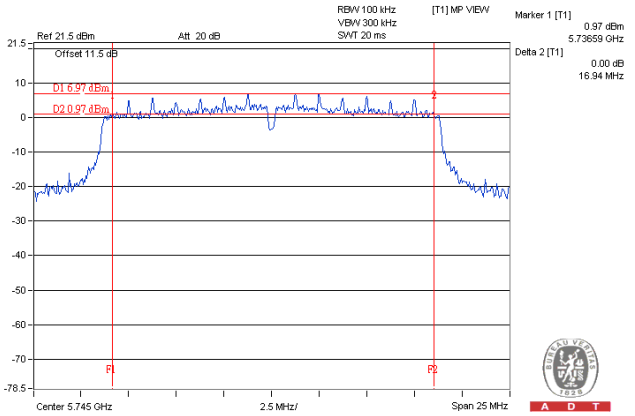
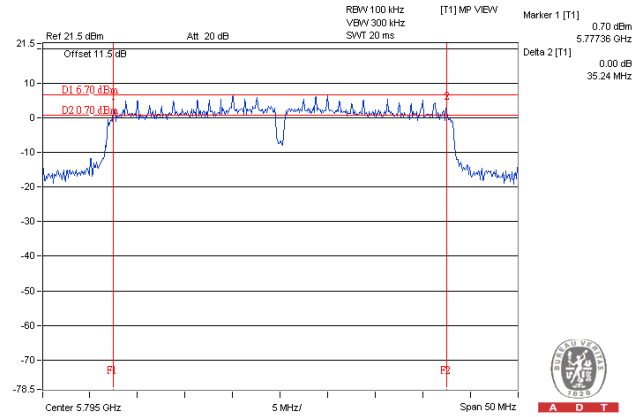
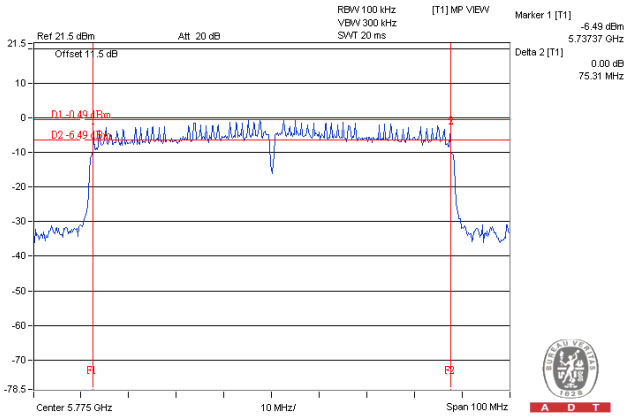
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
149	5745	16.94	0.5	Pass
157	5785	17.32	0.5	Pass
165	5825	17.09	0.5	Pass

802.11ac (VHT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
151	5755	35.49	0.5	Pass
159	5795	35.24	0.5	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
155	5775	75.31	0.5	Pass

Spectrum Plot of Worst Value	
802.11a: CH149	**802.11ac (VHT20): CH149**
	
802.11ac (VHT40): CH159	**802.11ac (VHT80): CH155**
	

4.6.8 Test Results (Mode 2)

802.11ac (VHT20)

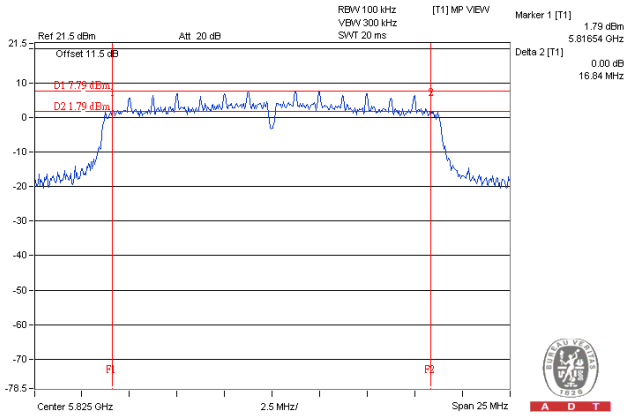
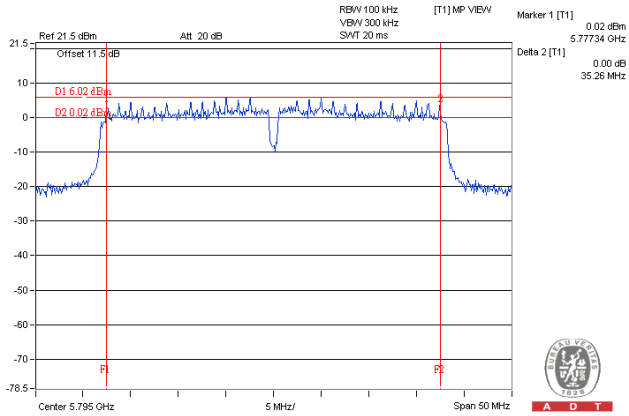
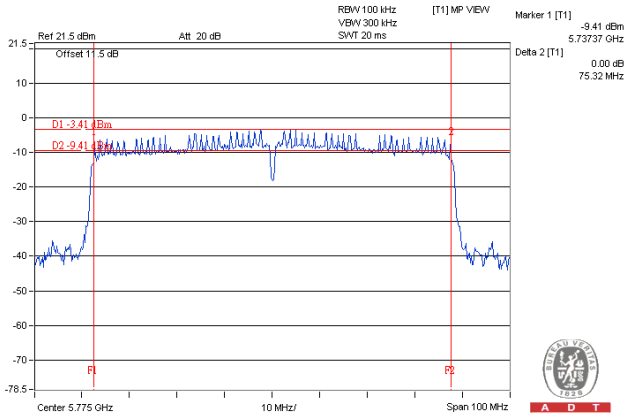
Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	17.09	17.63	0.5	Pass
157	5785	17.32	17.62	0.5	Pass
165	5825	16.84	17.58	0.5	Pass

802.11ac (VHT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
151	5755	35.46	35.33	0.5	Pass
159	5795	35.29	35.26	0.5	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
155	5775	75.32	75.34	0.5	Pass

Spectrum Plot of Worst Value	
802.11ac (VHT20)-Chain (0): CH165	**802.11ac (VHT40)-Chain (1): CH159**
	
802.11ac (VHT80)-Chain (0): CH155	
	

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab
Tel: 886-2-26052180
Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab
Tel: 886-3-6668565
Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab
Tel: 886-3-3183232
Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com
Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

--- END ---