FCC Test Report

Report No.:	RF181001C06-1
FCC ID:	A4RG020A
Model Name:	G020A
Received Date:	Oct. 01, 2018
Test Date:	Nov. 01 ~ Nov. 22, 2018
Issued Date:	Dec. 18, 2018
Applicant:	Google LLC
Address:	1600 Amphitheatre Parkway, Mountain View, CA 94043, USA
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C.)
Test Location (1):	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN (R.O.C.)
Test Location (2):	E-2, No. 1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.
FCC Registration / Designation Number (1):	788550 / TW0003
FCC Registration / Designation Number (2):	723255 / TW2022

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Release Control Record

Issue No.	Description	Date Issued
RF181001C06-1	Original release	Dec. 18, 2018

1 Certificate of Conformity

Product:	Smartphone
Model Name:	G020A
Sample Status:	Identical Prototype
Applicant:	Google LLC
Test Date:	Nov. 01 ~ Nov. 22, 2018
Standards:	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 RF characteristics under the conditions specified in this report.

Prepared by : Pettie Chen , **Date:** Dec. 18, 2018

Pettie Chen / Senior Specialist

Approved by : Bruce Chen , **Date:** Dec. 18, 2018

Bruce Chen / Project Engineer

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 -13.72dB at 0.52130MHz.
15.407(b) (1/2/3/4(i/ii)/6)	Radiated Emissions & Band Edge Measurement	Pass	Meet the requirement of limit. Minimum passing margin is -1.6dB at 5148.62, 5150.00, 5350.00, 5352.65, 5455.46, 5470.00MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	Pass	Meet the requirement of limit.
---	Occupied Bandwidth Measurement	-	Reference only.
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.
15.407(c)	Automatically Discontinue Transmission	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	No antenna connector is used.

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	Expanded Uncertainty (k=2) (±)
Conducted Emissions at mains ports	150kHz ~ 30MHz	2.94 dB
Radiated Emissions up to 1 GHz	30MHz ~ 1GHz	5.31 dB
Radiated Emissions above 1 GHz	1 GHz ~ 6 GHz	3.40 dB
	6GHz ~ 18GHz	3.73 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	Smartphone
Model Name	G020A
Sample Status	Identical Prototype
Power Supply Rating	3.85Vdc (Battery) 5Vdc or 9Vdc (Adapter) 5Vdc (Host equipment)
Modulation Type	256QAM, 64QAM, 16QAM, QPSK, BPSK
Modulation Technology	OFDM
Transfer Rate	802.11a: 54/48/36/24/18/12/9/6Mbps 802.11n: up to 300Mbps 802.11ac: up to 867Mbps
Operating Frequency	5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5720MHz, 5745 ~ 5825MHz
Number of Channel	5180 ~ 5240MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 4 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1 5260 ~ 5320MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 4 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1 5500 ~ 5720MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 12 802.11n (HT40), 802.11ac (VHT40): 6 802.11ac (VHT80): 3 5745 ~ 5825MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 5 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1
Output Power	5180 ~ 5240MHz: 111.713mW 5260 ~ 5320MHz: 109.417mW 5500 ~ 5720MHz: 110.927mW 5745 ~ 5825MHz: 108.674mW
Antenna Type	Refer to Note as below
Antenna Connector	Refer to Note as below
Accessory Device	Refer to Note as below
Cable Supplied	Refer to Note as below

Note:

1. The EUT incorporates a MIMO function. Physically, the EUT provides 2 completed transmitters and 2 receivers.

Modulation Mode	TX Function
802.11a	1TX(SISO)/2TX(MIMO)
802.11n (HT20)	1TX(SISO)/2TX(MIMO)
802.11n (HT40)	1TX(SISO)/2TX(MIMO)
802.11ac (VHT20)	1TX(SISO)/2TX(MIMO)
802.11ac (VHT40)	1TX(SISO)/2TX(MIMO)
802.11ac (VHT80)	1TX(SISO)/2TX(MIMO)

* 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)
* SISO mode and MIMO mode are presented in power output test item. For other test items, MIMO mode is the worst case for final tests after pretesting.

2. There're 2 configurations for the EUT listed as below.
   - Main Sample: EUT + Battery 1
   - 2nd Sample: EUT + Battery 2

   After pre-tested with the EUT, only the worst configuration (main sample) was chosen for the final test.
3. The EUT accessories list refers to EUT Photo.pdf.
4. The following antennas were provided to the EUT.

No.	Type	Connector	Gain (dBi)			
			5.15-5.25 GHz	5.25-5.35 GHz	5.47-5.725 GHz	5.725-5.85 GHz
0	PIFA	NA	-2.2	-2.5	-3.6	-3.0
1	PIFA	NA	-0.5	-0.5	-1.2	-2.2

5. The worst configuration power mode is presented in the report as below. Please refer to SAR test report for more detail test mode.

Maximum Tune-up Power Mode				
Band		TX Antenna	WWAN Function	Body-Worn/Hotspot
WLAN	5G Band 1	Ant 0+1	WWAN-Off	Body-Worn/Hotspot
	5G Band 2	Ant 0+1	WWAN-Off	Body-Worn/Hotspot
	5G Band 3	Ant 0+1	WWAN-Off	Body-Worn/Hotspot
	5G Band 4	Ant 0+1	WWAN-Off	Body-Worn/Hotspot

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 ~ 5720MHz:

12 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	144	5720 MHz

6 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	142	5710 MHz

3 channels are provided for 802.11ac (VHT80):

Channel	Frequency	Channel	Frequency
106	5530 MHz	122	5610 MHz
138	5690 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	
-	√	√	√	√	-

Where RE≥1G: Radiated Emission above 1GHz & Bandedge Measurement RE<1G: Radiated Emission below 1GHz

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

Note: The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane**.

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.

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
-	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0
	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	6.0
	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	5500-5720	100 to 144	100, 116, 140, 144	OFDM	6.0
	802.11ac (VHT20)		100 to 144	100, 116, 140, 144	OFDM	6.5
	802.11ac (VHT40)		102 to 142	102, 110, 134, 142	OFDM	13.5
	802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	29.3
-	802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	6.0
	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

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.

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
-	802.11a	5180-5240	36 to 48	165	OFDM	6.0
-	802.11a	5260-5320	52 to 64		OFDM	6.0
-	802.11a	5500-5720	100 to 140		OFDM	6.0
-	802.11a	5745-5825	149 to 165		OFDM	6.0

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.

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
-	802.11a	5180-5240	36 to 48	165	OFDM	6.0
-	802.11a	5260-5320	52 to 64		OFDM	6.0
-	802.11a	5500-5720	100 to 140		OFDM	6.0
-	802.11a	5745-5825	149 to 165		OFDM	6.0

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.

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
-	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0
	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	6.0
	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	5500-5720	100 to 144	100, 116, 140, 144	OFDM	6.0
	802.11ac (VHT20)		100 to 144	100, 116, 140, 144	OFDM	6.5
	802.11ac (VHT40)		102 to 142	102, 110, 134, 142	OFDM	13.5
	802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	29.3
-	802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	6.0
	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

Test Condition:

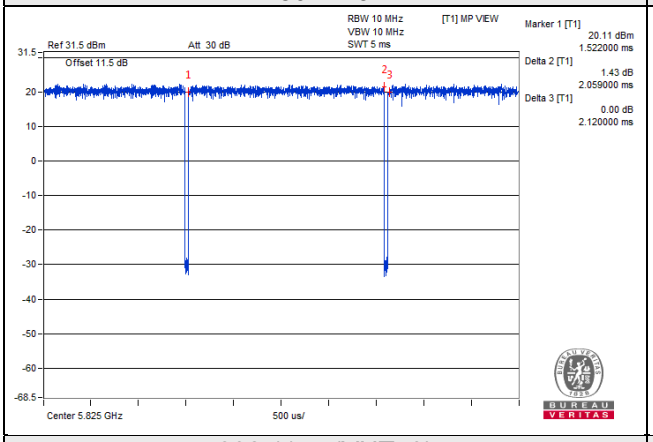
Applicable to	Environmental Conditions	Input Power	Tested by
RE≥1G	26 deg. C, 77% RH	120Vac, 60Hz	Dalen Dai
RE<1G	23 deg. C, 68% RH	120Vac, 60Hz	Dalen Dai
PLC	25 deg. C, 68% RH	120Vac, 60Hz	Jones Chang
APCM	25 deg. C, 60% RH	120Vac, 60Hz	Chris Lin

3.3 Duty Cycle of Test Signal

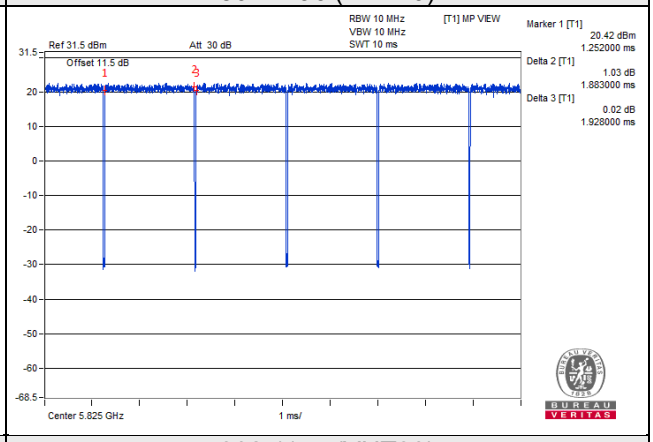
Duty cycle of test signal is < 98%, duty factor is required.

802.11a: Duty cycle = 2.059/2.12 = 0.971, Duty factor = 10 * log (1/0.971) = 0.13
802.11ac (VHT20): Duty cycle = 1.883/1.928 = 0.977, Duty factor = 10 * log (1/0.977) = 0.10
802.11ac (VHT40): Duty cycle = 0.923/0.966 = 0.955, Duty factor = 10 * log (1/0.955) = 0.20
802.11ac (VHT80): Duty cycle = 0.452/0.497 = 0.909, Duty factor = 10 * log (1/0.909) = 0.41

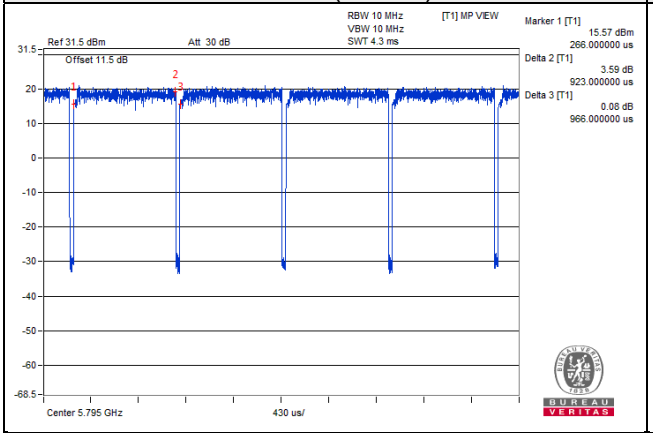
802.11a



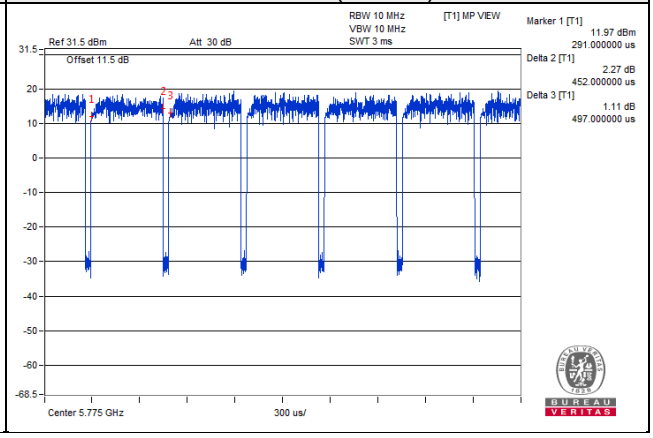
802.11ac (VHT20)



802.11ac (VHT40)



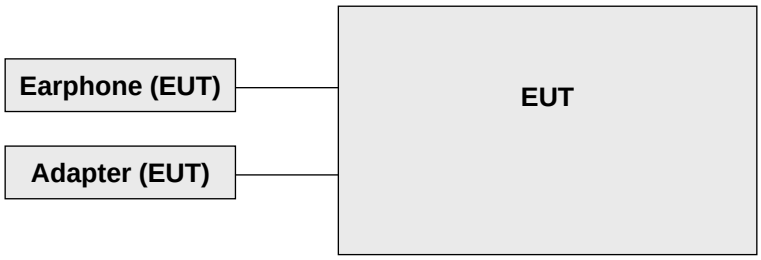
802.11ac (VHT80)



3.4 Description of Support Units

The EUT has been tested as an independent unit.

3.4.1 Configuration of System under Test



3.5 General Description of Applied Standards

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)
KDB 789033 D02 General UNII Test Procedure New Rules v02r01
KDB 662911 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

<table>
<tr><td colspan="3">Applicable To</td><td colspan="2">Limit</td></tr>
<tr><td colspan="3" rowspan="2">789033 D02 General UNII Test Procedure New Rules v02r01</td><td colspan="2">Field Strength at 3m</td></tr>
<tr><td>PK: 74 (dBμV/m)</td><td>AV: 54 (dBμV/m)</td></tr>
<tr><td>Frequency Band</td><td colspan="2">Applicable To</td><td>EIRP Limit</td><td>Equivalent Field Strength at 3m</td></tr>
<tr><td>5150~5250 MHz</td><td colspan="2">15.407(b)(1)</td><td rowspan="3">PK: -27 (dBm/MHz)</td><td rowspan="3">PK: 68.2(dBμV/m)</td></tr>
<tr><td>5250~5350 MHz</td><td colspan="2">15.407(b)(2)</td></tr>
<tr><td>5470~5725 MHz</td><td colspan="2">15.407(b)(3)</td></tr>
<tr><td rowspan="2">5725~5850 MHz</td><td>☒</td><td>15.407(b)(4)(i)</td><td>PK: -27 (dBm/MHz) *1
PK: 10 (dBm/MHz) *2
PK: 15.6 (dBm/MHz) *3
PK: 27 (dBm/MHz) *4</td><td>PK: 68.2(dBμV/m) *1
PK: 105.2 (dBμV/m) *2
PK: 110.8(dBμV/m) *3
PK: 122.2 (dBμV/m) *4</td></tr>
<tr><td>☐</td><td>15.407(b)(4)(ii)</td><td colspan="2">Emission limits in section 15.247(d)</td></tr>
<tr><td colspan="5">*1 beyond 75 MHz or more above of the band edge.
*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.
*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.
*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.</td></tr>
</table>

Note: 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

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver Agilent	N9038A	MY50010156	July 12, 2018	July 11, 2019
Pre-Amplifier EMCI (Below 30MHz)	EMC001340	980142	Feb. 09, 2018	Feb. 08, 2019
Loop Antenna(*) Electro-Metrics (Below 30MHz)	EM-6879	264	Dec. 16, 2016	Dec. 15, 2018
RF Cable (Below 30MHz)	NA	LOOPCAB-001	Jan. 15, 2018	Jan. 14, 2019
RF Cable (Below 30MHz)	NA	LOOPCAB-002	Jan. 15, 2018	Jan. 14, 2019
Pre-Amplifier Mini-Circuits (30MHz~1GHz)	ZFL-1000VH2B	AMP-ZFL-05	May 05, 2018	May 04, 2019
Trilog Broadband Antenna SCHWARZBECK (30MHz~1GHz)	VULB 9168	9168-361	Jan. 15, 2018	Jan. 14, 2019
RF Cable (30MHz~1GHz)	8D	966-3-1	Mar. 20, 2018	Mar. 19, 2019
RF Cable (30MHz~1GHz)	8D	966-3-2	Mar. 20, 2018	Mar. 19, 2019
RF Cable (30MHz~1GHz)	8D	966-3-3	Mar. 20, 2018	Mar. 19, 2019
Fixed attenuator Mini-Circuits (30MHz~1GHz)	UNAT-5+	PAD-3m-3-01	Sep. 27, 2018	Sep. 26, 2019
Horn_Antenna SCHWARZBECK (1GHz~18GHz)	BBHA9120-D	9120D-406	Jan. 15, 2018	Jan. 14, 2019
Pre-Amplifier EMCI (1GHz~18GHz)	EMC12630SE	980384	Jan. 29, 2018	Jan. 28, 2019
RF Cable (1GHz~18GHz)	EMC104-SM-SM-1200	160922	Jan. 29, 2018	Jan. 28, 2019
RF Cable (1GHz~18GHz)	EMC104-SM-SM-2000	150317	Jan. 29, 2018	Jan. 28, 2019
RF Cable (1GHz~18GHz)	EMC104-SM-SM-5000	150322	Jan. 29, 2018	Jan. 28, 2019
Spectrum Analyzer Keysight (18GHz~40GHz)	N9030A	MY54490679	July 23, 2018	July 22, 2019
Pre-Amplifier EMCI (18GHz~40GHz)	EMC184045SE	980386	Jan. 29, 2018	Jan. 28, 2019
Horn_Antenna SCHWARZBECK (18GHz~40GHz)	BBHA 9170	BBHA9170519	Jan. 15, 2018	Jan. 14, 2019
RF Cable (18GHz~40GHz)	EMC102-KM-KM-1200	160924	Jan. 29, 2018	Jan. 28, 2019
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	NA	NA
Boresight Antenna Fixture (1GHz~18GHz)	FBA-01	FBA-SIP01	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. The test was performed in 966 Chamber No. 3.
4. The CANADA Site Registration No. is 20331-1

4.1.3 Test Procedures

For Radiated emission below 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. 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. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case 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.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

For Radiated emission above 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 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 ≥ 1/T (Duty cycle < 98%) or 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.

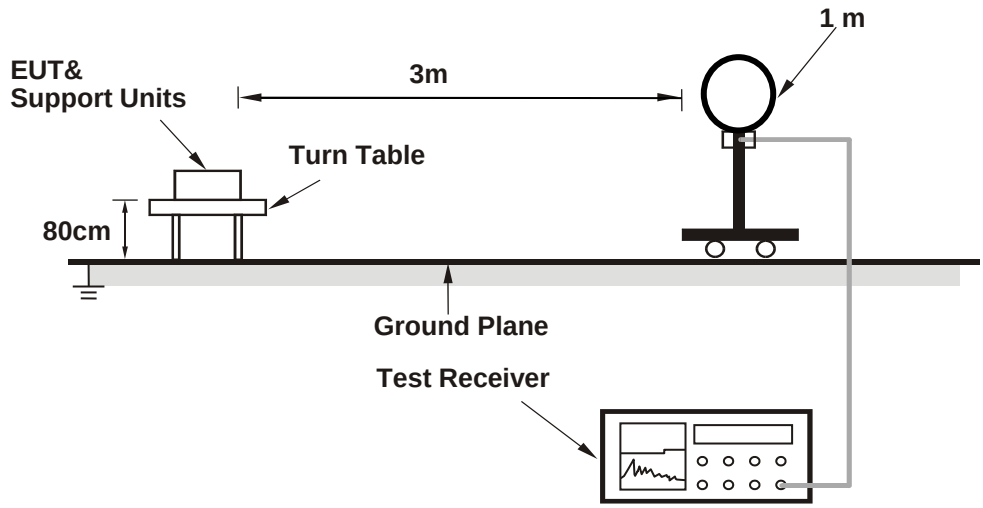
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

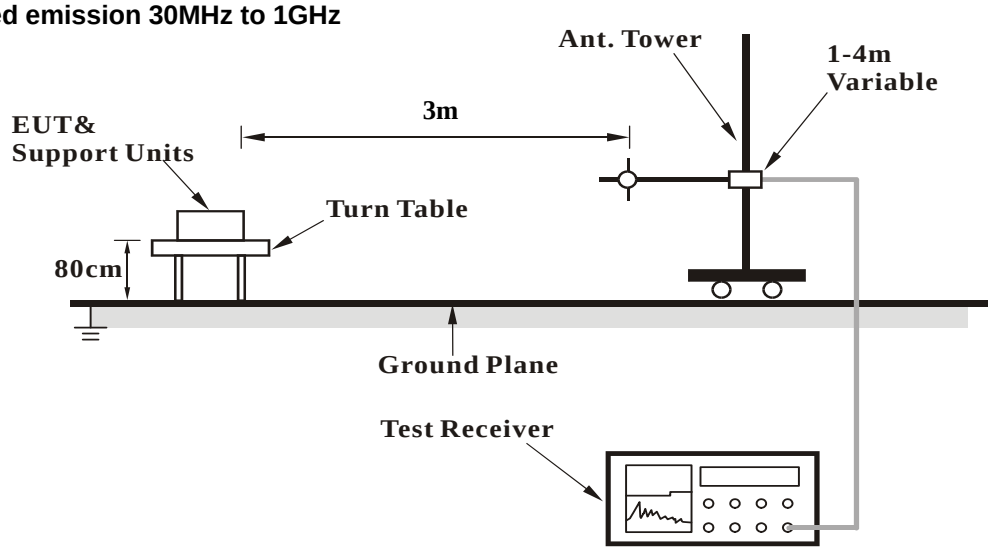
No deviation.

4.1.5 Test Setup

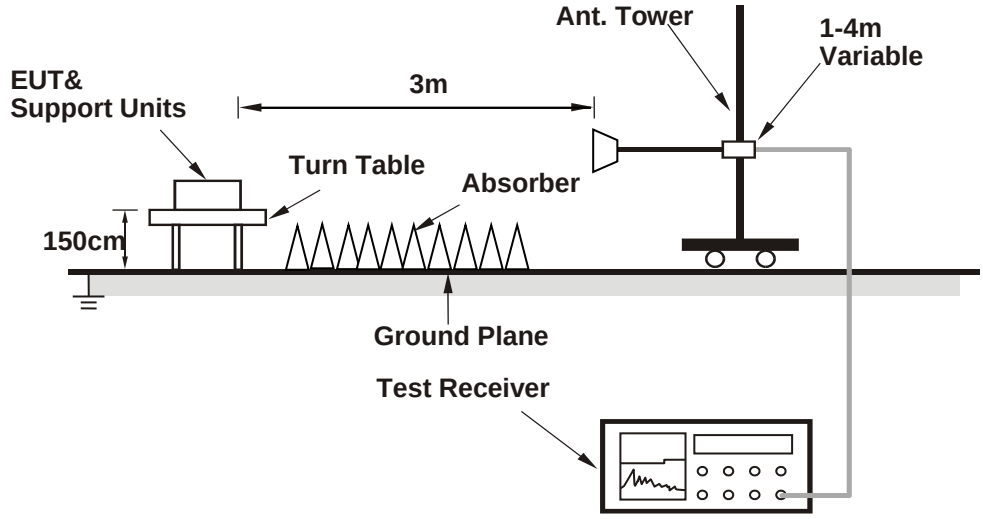
For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



For Radiated emission above 1GHz



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

Test Mode	Duty Cycle (%)	RBW (PK)	VBW (PK)	RBW (Avg)	VBW (Avg)
802.11a	97.1	1MHz	3MHz	1MHz	1kHz
802.11ac(VHT20)	97.7	1MHz	3MHz	1MHz	1kHz
802.11ac(VHT40)	95.5	1MHz	3MHz	1MHz	3kHz
802.11ac(VHT80)	90.9	1MHz	3MHz	1MHz	3kHz

4.1.6 EUT Operating Conditions

a. Set the EUT under transmission condition continuously at specific channel frequency.

4.1.7 Test Results for Fundamental and Harmonic above 1GHz

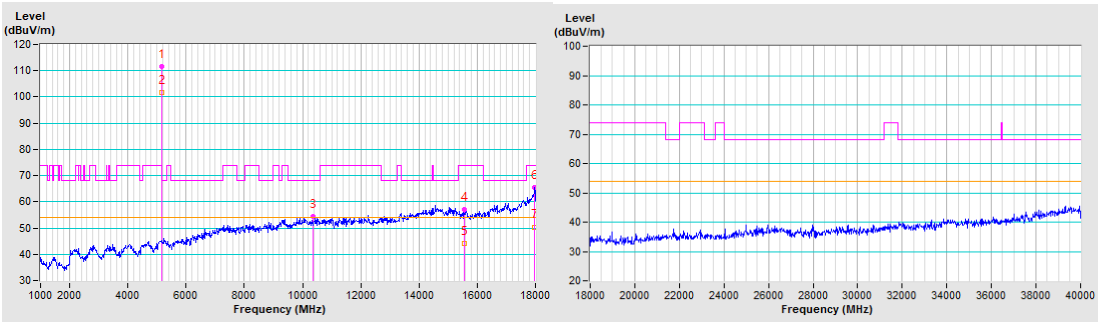
802.11a

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	*5180.00	111.6 PK			1.32 H	188	109.1	2.5
2	*5180.00	101.6 AV			1.32 H	188	99.1	2.5
3	#10360.00	54.4 PK	68.2	-13.8	2.01 H	310	42.5	11.9
4	15540.00	57.0 PK	74.0	-17.0	1.54 H	233	44.6	12.4
5	15540.00	44.2 AV	54.0	-9.8	1.54 H	233	31.8	12.4
6	17970.67	65.4 PK	74.0	-8.6	1.69 H	133	44.0	21.4
7	17970.67	50.4 AV	54.0	-3.6	1.69 H	133	29.0	21.4

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.

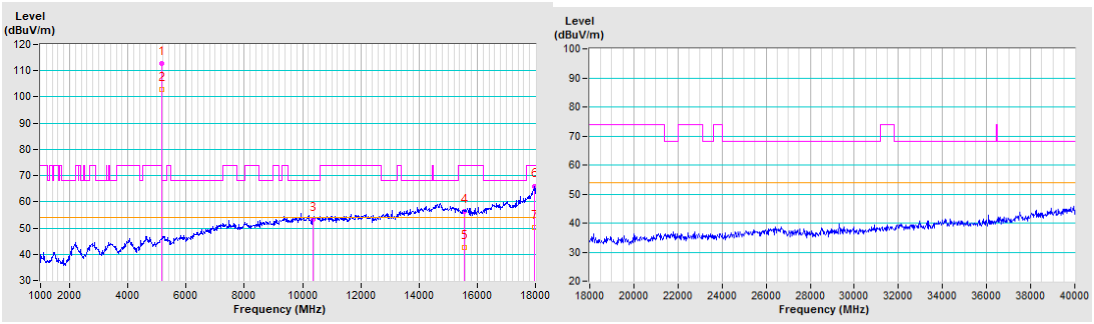


CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5180.00	112.6 PK			2.89 V	172	110.1	2.5
2	*5180.00	102.7 AV			2.89 V	172	100.2	2.5
3	#10360.00	53.3 PK	68.2	-14.9	1.12 V	223	41.4	11.9
4	15540.00	56.4 PK	74.0	-17.6	1.79 V	154	44.0	12.4
5	15540.00	42.7 AV	54.0	-11.3	1.79 V	154	30.3	12.4
6	17966.42	66.0 PK	74.0	-8.0	1.43 V	257	44.6	21.4
7	17966.42	50.3 AV	54.0	-3.7	1.43 V	257	28.9	21.4

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.

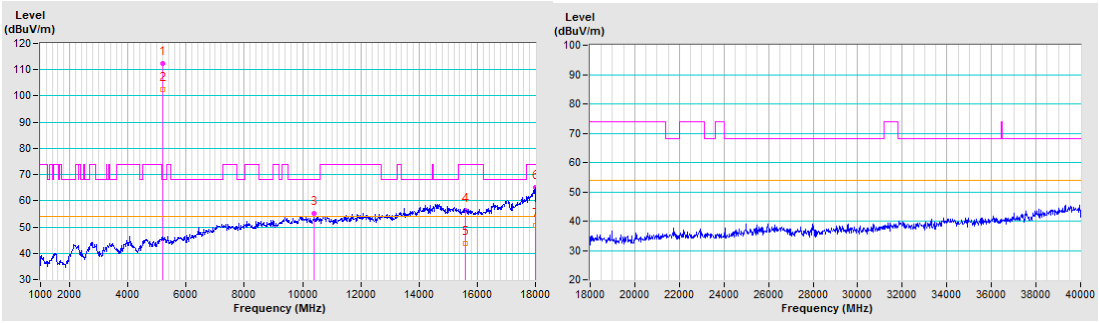


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	112.5 PK			1.28 H	236	110.1	2.4
2	*5200.00	102.5 AV			1.28 H	236	100.1	2.4
3	#10400.00	55.0 PK	68.2	-13.2	1.96 H	323	42.8	12.2
4	15600.00	56.3 PK	74.0	-17.7	1.59 H	245	43.4	12.9
5	15600.00	43.7 AV	54.0	-10.3	1.59 H	245	30.8	12.9
6	17995.33	65.2 PK	74.0	-8.8	1.70 H	152	43.3	21.9
7	17995.33	50.6 AV	54.0	-3.4	1.70 H	152	28.7	21.9

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.

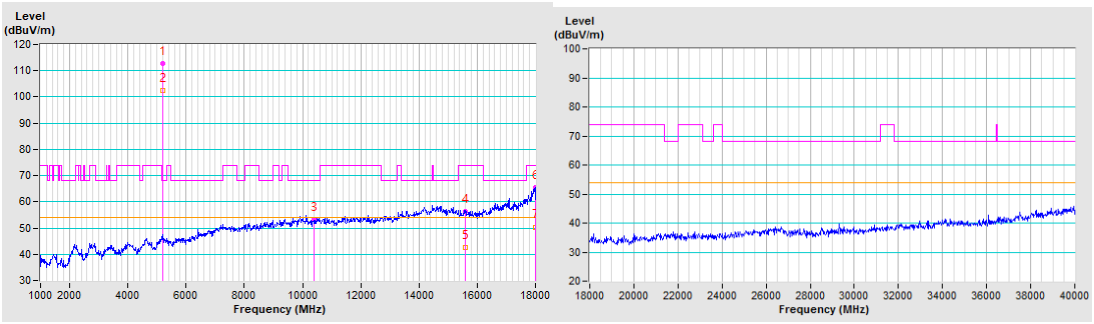


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	112.9 PK			2.25 V	169	110.5	2.4
2	*5200.00	102.5 AV			2.25 V	169	100.1	2.4
3	#10400.00	53.3 PK	68.2	-14.9	1.10 V	222	41.1	12.2
4	15600.00	56.4 PK	74.0	-17.6	1.74 V	145	43.5	12.9
5	15600.00	42.7 AV	54.0	-11.3	1.74 V	145	29.8	12.9
6	17991.50	65.6 PK	74.0	-8.4	1.38 V	244	43.8	21.8
7	17991.50	50.4 AV	54.0	-3.6	1.38 V	244	28.6	21.8

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.

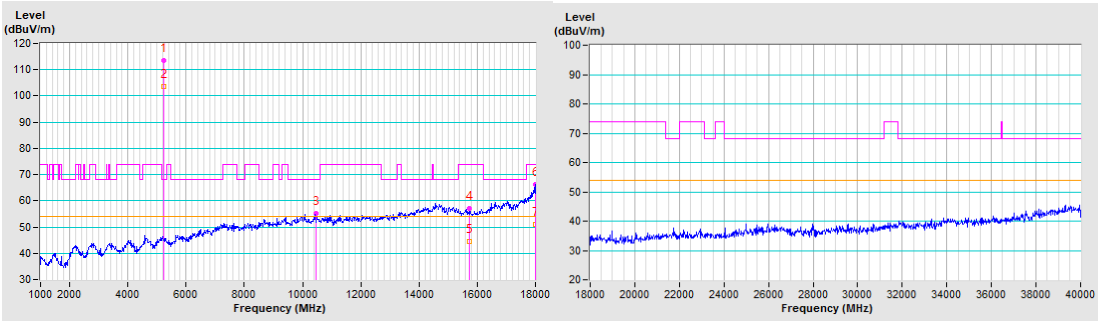


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	113.5 PK			1.18 H	238	111.3	2.2
2	*5240.00	103.6 AV			1.18 H	238	101.4	2.2
3	#10480.00	55.0 PK	68.2	-13.2	1.99 H	311	42.6	12.4
4	15720.00	57.1 PK	74.0	-16.9	1.58 H	219	45.1	12.0
5	15720.00	44.5 AV	54.0	-9.5	1.58 H	219	32.5	12.0
6	17989.37	66.1 PK	74.0	-7.9	1.74 H	134	44.4	21.7
7	17989.37	50.8 AV	54.0	-3.2	1.74 H	134	29.1	21.7

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.

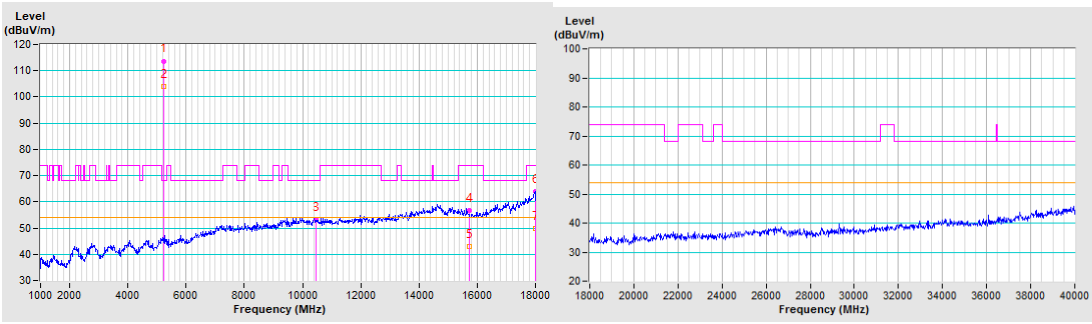


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	113.7 PK			2.22 V	170	111.5	2.2
2	*5240.00	103.8 AV			2.22 V	170	101.6	2.2
3	#10480.00	53.4 PK	68.2	-14.8	1.18 V	216	41.0	12.4
4	15720.00	56.7 PK	74.0	-17.3	1.76 V	150	44.7	12.0
5	15720.00	42.9 AV	54.0	-11.1	1.76 V	150	30.9	12.0
6	17993.20	63.8 PK	74.0	-10.2	1.39 V	249	42.0	21.8
7	17993.20	49.9 AV	54.0	-4.1	1.39 V	249	28.1	21.8

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.

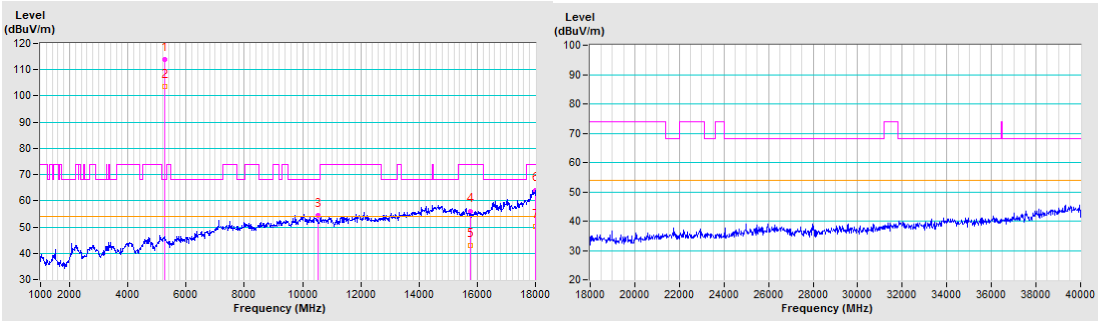


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5260.00	114.0 PK			1.06 H	238	111.9	2.1
2	*5260.00	103.7 AV			1.06 H	238	101.6	2.1
3	#10520.00	54.3 PK	68.2	-13.9	2.04 H	300	41.9	12.4
4	15780.00	56.1 PK	74.0	-17.9	1.55 H	231	44.6	11.5
5	15780.00	43.1 AV	54.0	-10.9	1.55 H	231	31.6	11.5
6	17988.95	64.1 PK	74.0	-9.9	1.67 H	146	42.4	21.7
7	17988.95	50.1 AV	54.0	-3.9	1.67 H	146	28.4	21.7

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.

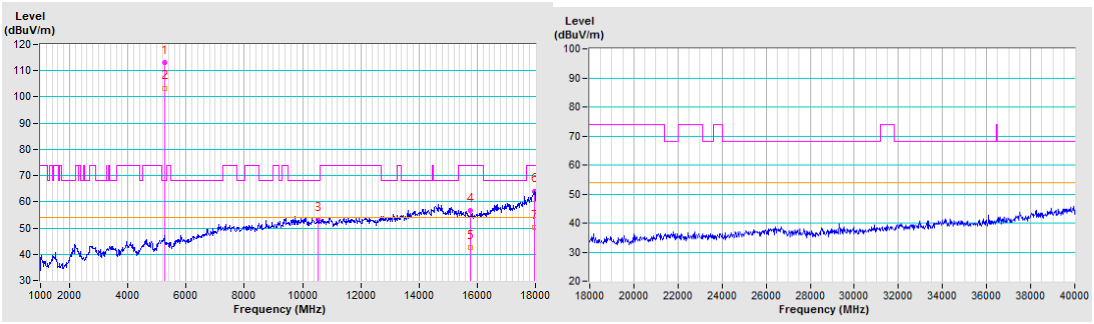


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5260.00	113.1 PK			2.18 V	173	111.0	2.1
2	*5260.00	103.4 AV			2.18 V	173	101.3	2.1
3	#10520.00	53.3 PK	68.2	-14.9	1.08 V	212	40.9	12.4
4	15780.00	56.6 PK	74.0	-17.4	1.75 V	170	45.1	11.5
5	15780.00	42.6 AV	54.0	-11.4	1.75 V	170	31.1	11.5
6	17958.78	64.1 PK	74.0	-9.9	1.39 V	270	42.9	21.2
7	17958.78	50.1 AV	54.0	-3.9	1.39 V	270	28.9	21.2

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.

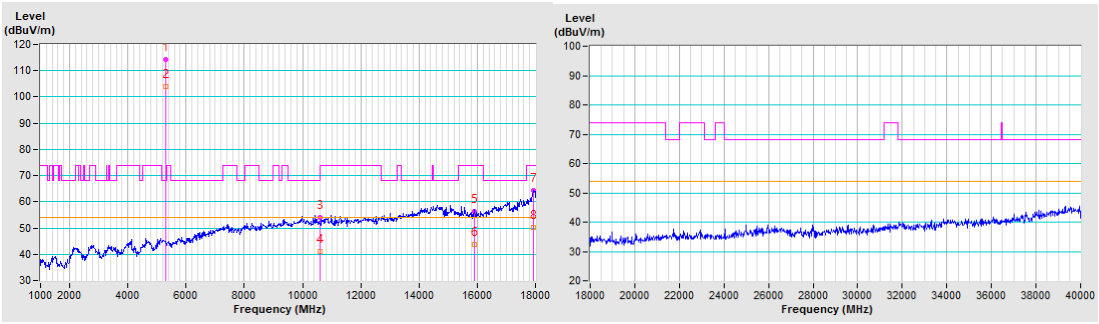


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	114.2 PK			1.02 H	239	112.0	2.2
2	*5300.00	104.0 AV			1.02 H	239	101.8	2.2
3	10600.00	54.1 PK	74.0	-19.9	1.97 H	295	42.4	11.7
4	10600.00	40.9 AV	54.0	-13.1	1.97 H	295	29.2	11.7
5	15900.00	56.3 PK	74.0	-17.7	1.54 H	219	45.1	11.2
6	15900.00	43.7 AV	54.0	-10.3	1.54 H	219	32.5	11.2
7	17923.92	64.2 PK	74.0	-9.8	1.70 H	142	43.6	20.6
8	17923.92	50.1 AV	54.0	-3.9	1.70 H	142	29.5	20.6

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

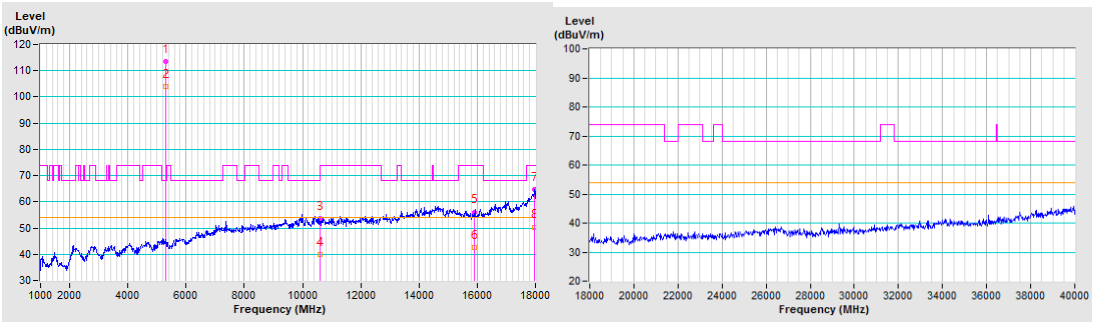


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	113.5 PK			2.19 V	170	111.3	2.2
2	*5300.00	103.8 AV			2.19 V	170	101.6	2.2
3	10600.00	53.5 PK	74.0	-20.5	1.11 V	217	41.8	11.7
4	10600.00	40.0 AV	54.0	-14.0	1.11 V	217	28.3	11.7
5	15900.00	56.1 PK	74.0	-17.9	1.82 V	157	44.9	11.2
6	15900.00	42.5 AV	54.0	-11.5	1.82 V	157	31.3	11.2
7	17967.70	64.8 PK	74.0	-9.2	1.37 V	268	43.4	21.4
8	17967.70	50.4 AV	54.0	-3.6	1.37 V	268	29.0	21.4

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

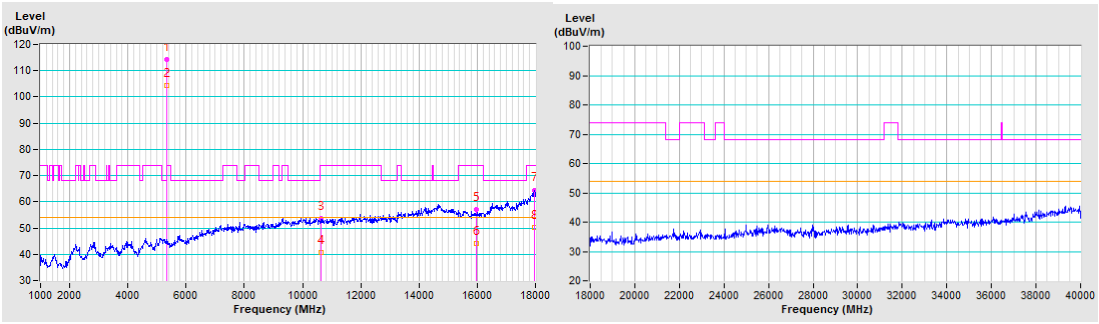


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	114.2 PK			1.13 H	237	111.9	2.3
2	*5320.00	104.3 AV			1.13 H	237	102.0	2.3
3	10640.00	53.7 PK	74.0	-20.3	2.04 H	318	42.0	11.7
4	10640.00	40.6 AV	54.0	-13.4	2.04 H	318	28.9	11.7
5	15960.00	57.0 PK	74.0	-17.0	1.53 H	240	45.6	11.4
6	15960.00	44.2 AV	54.0	-9.8	1.53 H	240	32.8	11.4
7	17957.50	64.5 PK	74.0	-9.5	1.64 H	138	43.3	21.2
8	17957.50	50.2 AV	54.0	-3.8	1.64 H	138	29.0	21.2

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

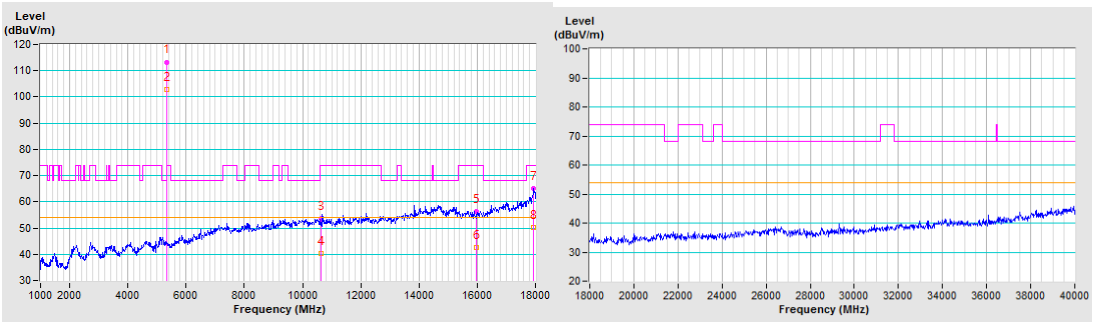


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	113.3 PK			2.16 V	172	111.0	2.3
2	*5320.00	102.9 AV			2.16 V	172	100.6	2.3
3	10640.00	53.6 PK	74.0	-20.4	1.10 V	220	41.9	11.7
4	10640.00	40.3 AV	54.0	-13.7	1.10 V	220	28.6	11.7
5	15960.00	56.3 PK	74.0	-17.7	1.76 V	154	44.9	11.4
6	15960.00	42.4 AV	54.0	-11.6	1.76 V	154	31.0	11.4
7	17941.35	65.0 PK	74.0	-9.0	1.40 V	260	44.2	20.8
8	17941.35	50.3 AV	54.0	-3.7	1.40 V	260	29.5	20.8

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

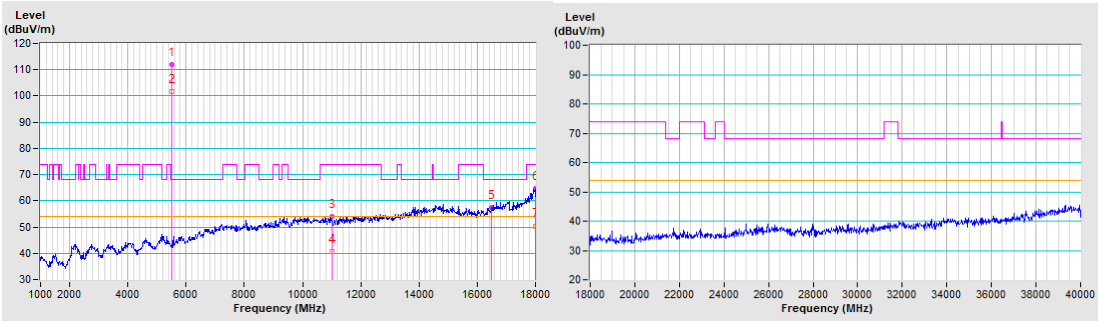


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5500.00	111.9 PK			1.22 H	235	109.4	2.5
2	*5500.00	101.6 AV			1.22 H	235	99.1	2.5
3	11000.00	54.0 PK	74.0	-20.0	2.04 H	309	41.8	12.2
4	11000.00	40.7 AV	54.0	-13.3	2.04 H	309	28.5	12.2
5	#16500.00	57.4 PK	68.2	-10.8	1.56 H	243	43.7	13.7
6	17985.97	64.6 PK	74.0	-9.4	1.64 H	148	43.0	21.6
7	17985.97	50.4 AV	54.0	-3.6	1.64 H	148	28.8	21.6

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.

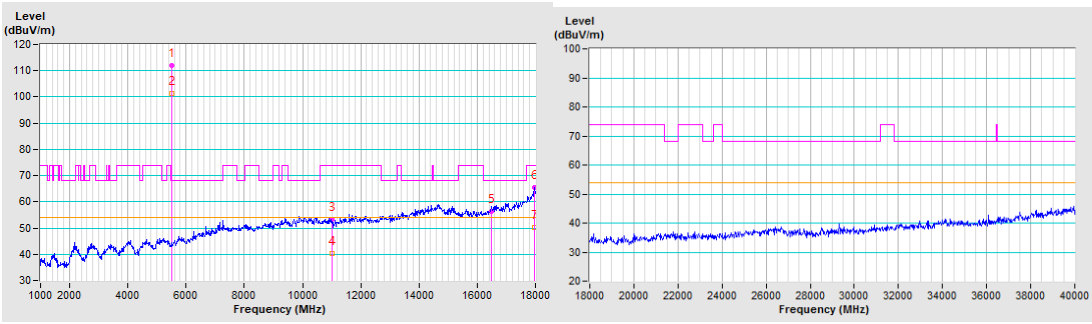


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5500.00	112.0 PK			2.15 V	172	109.5	2.5
2	*5500.00	101.2 AV			2.15 V	172	98.7	2.5
3	11000.00	53.4 PK	74.0	-20.6	1.12 V	223	41.2	12.2
4	11000.00	40.4 AV	54.0	-13.6	1.12 V	223	28.2	12.2
5	#16500.00	56.4 PK	68.2	-11.8	1.77 V	141	42.7	13.7
6	17977.47	65.5 PK	74.0	-8.5	1.45 V	246	44.0	21.5
7	17977.47	50.2 AV	54.0	-3.8	1.45 V	246	28.7	21.5

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.

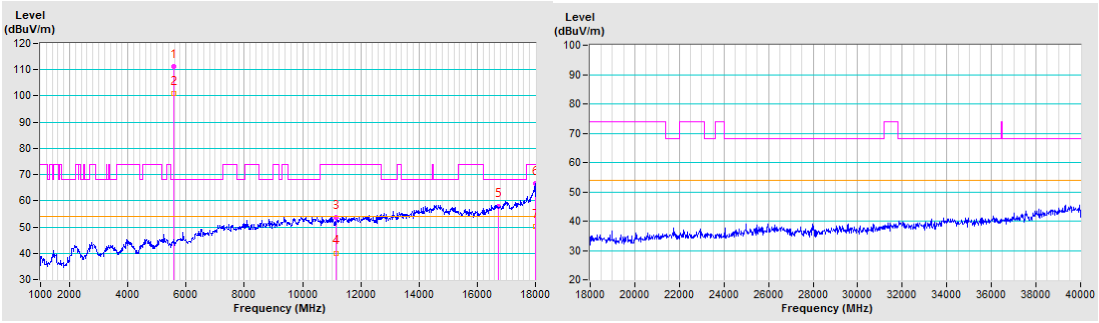


CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5580.00	111.1 PK			1.24 H	234	108.3	2.8
2	*5580.00	100.9 AV			1.24 H	234	98.1	2.8
3	11160.00	53.6 PK	74.0	-20.4	1.97 H	305	41.6	12.0
4	11160.00	40.1 AV	54.0	-13.9	1.97 H	305	28.1	12.0
5	#16740.00	58.0 PK	68.2	-10.2	1.55 H	234	43.8	14.2
6	17995.33	66.5 PK	74.0	-7.5	1.69 H	147	44.6	21.9
7	17995.33	50.1 AV	54.0	-3.9	1.69 H	147	28.2	21.9

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.

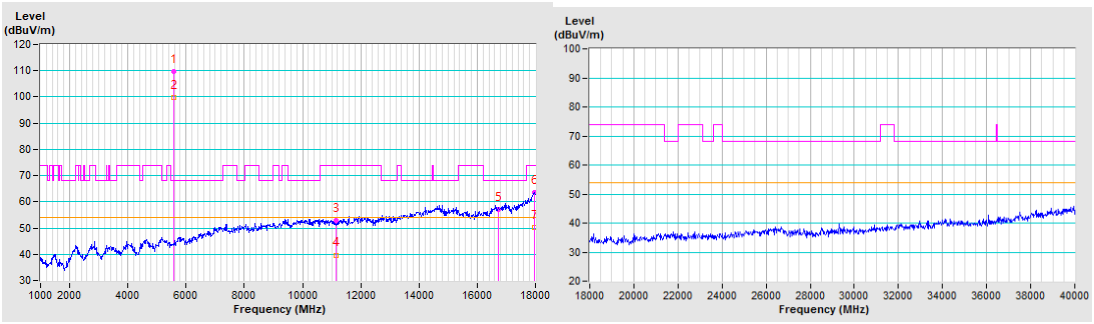


CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5580.00	109.6 PK			2.14 V	169	106.8	2.8
2	*5580.00	99.8 AV			2.14 V	169	97.0	2.8
3	11160.00	52.9 PK	74.0	-21.1	1.14 V	221	40.9	12.0
4	11160.00	39.7 AV	54.0	-14.3	1.14 V	221	27.7	12.0
5	#16740.00	57.2 PK	68.2	-11.0	1.83 V	150	43.0	14.2
6	17968.55	63.7 PK	74.0	-10.3	1.45 V	253	42.3	21.4
7	17968.55	50.3 AV	54.0	-3.7	1.45 V	253	28.9	21.4

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.

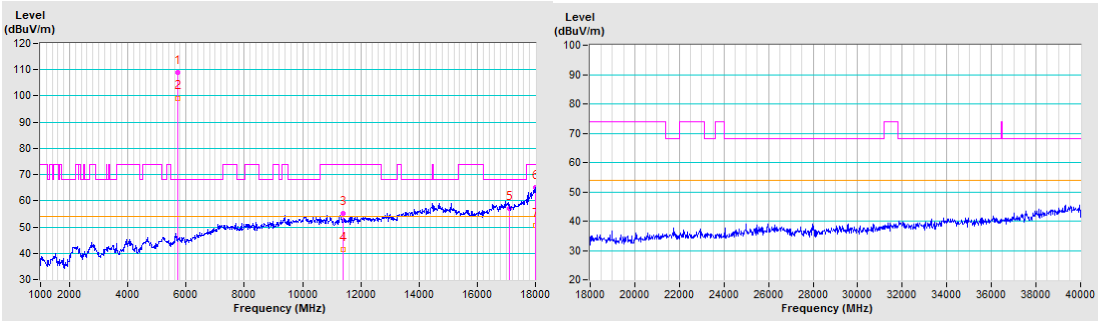


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	108.8 PK			1.22 H	236	105.9	2.9
2	*5700.00	99.2 AV			1.22 H	236	96.3	2.9
3	11400.00	55.0 PK	74.0	-19.0	2.01 H	323	42.0	13.0
4	11400.00	41.4 AV	54.0	-12.6	2.01 H	323	28.4	13.0
5	#17100.00	57.1 PK	68.2	-11.1	1.51 H	22	41.0	16.1
6	17987.67	65.1 PK	74.0	-8.9	1.69 H	147	43.5	21.6
7	17987.67	50.7 AV	54.0	-3.3	1.69 H	147	29.1	21.6

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.

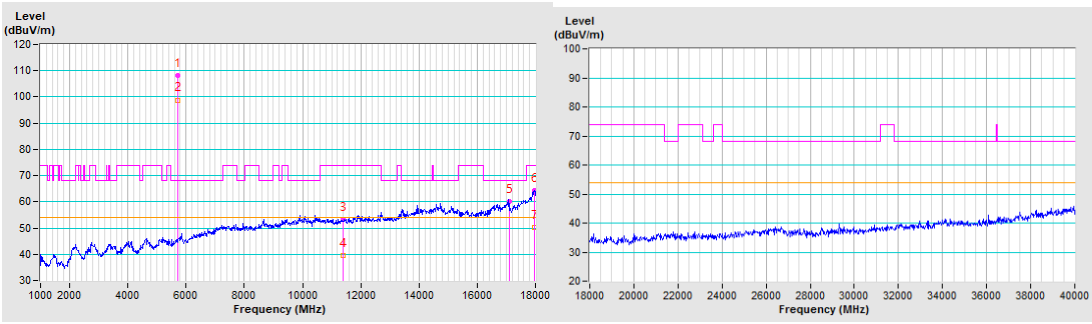


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	108.0 PK			2.21 V	172	105.1	2.9
2	*5700.00	98.8 AV			2.21 V	172	95.9	2.9
3	11400.00	53.1 PK	74.0	-20.9	1.15 V	228	40.1	13.0
4	11400.00	39.6 AV	54.0	-14.4	1.15 V	228	26.6	13.0
5	#17100.00	60.2 PK	68.2	-8.0	1.81 V	145	44.1	16.1
6	17964.30	64.3 PK	74.0	-9.7	1.47 V	267	43.0	21.3
7	17964.30	50.1 AV	54.0	-3.9	1.47 V	267	28.8	21.3

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.

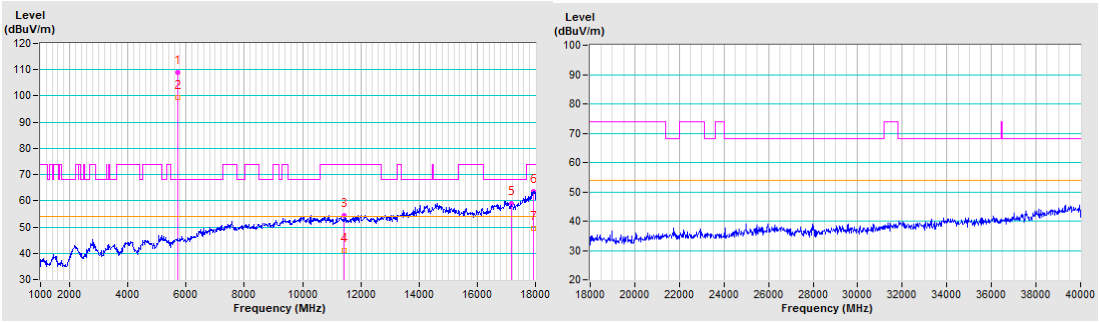


CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5720.00	109.0 PK			1.32 H	235	106.1	2.9
2	*5720.00	99.3 AV			1.32 H	235	96.4	2.9
3	11440.00	54.4 PK	74.0	-19.6	1.95 H	322	41.7	12.7
4	11440.00	41.2 AV	54.0	-12.8	1.95 H	322	28.5	12.7
5	#17160.00	58.8 PK	68.2	-9.4	1.54 H	241	43.2	15.6
6	17946.87	63.6 PK	74.0	-10.4	1.71 H	152	42.6	21.0
7	17946.87	49.5 AV	54.0	-4.5	1.71 H	152	28.5	21.0

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.

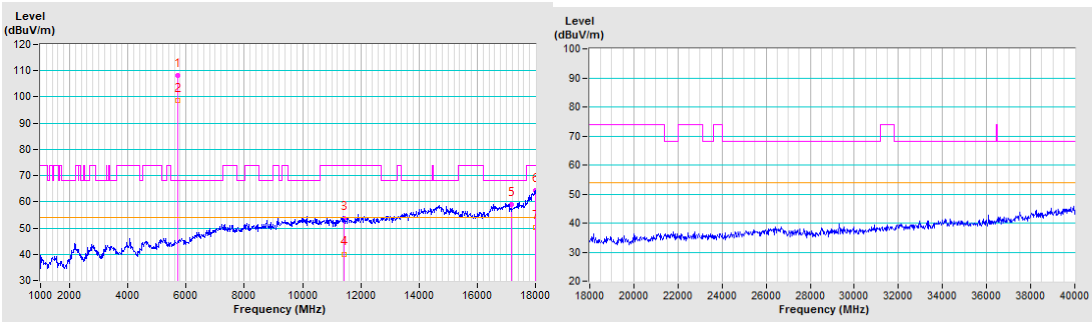


CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5720.00	108.3 PK			2.20 V	171	105.4	2.9
2	*5720.00	98.5 AV			2.20 V	171	95.6	2.9
3	11440.00	53.5 PK	74.0	-20.5	1.12 V	207	40.8	12.7
4	11440.00	40.1 AV	54.0	-13.9	1.12 V	207	27.4	12.7
5	#17160.00	59.1 PK	68.2	-9.1	1.79 V	168	43.5	15.6
6	17996.17	64.3 PK	74.0	-9.7	1.40 V	267	42.4	21.9
7	17996.17	50.3 AV	54.0	-3.7	1.40 V	267	28.4	21.9

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.

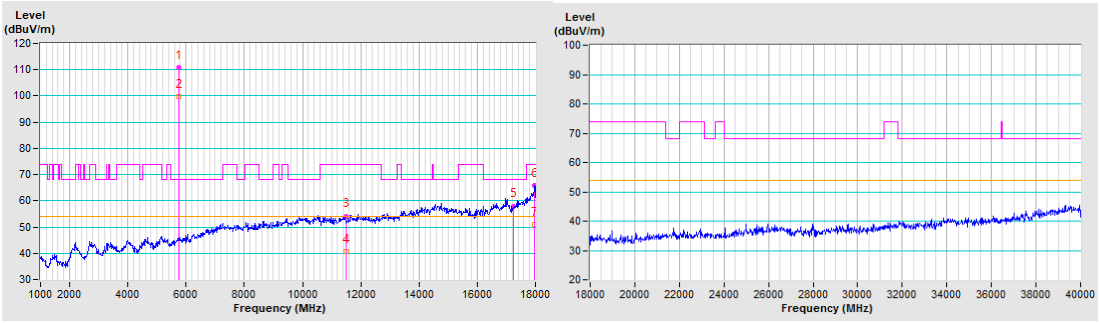


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5745.00	110.9 PK			1.24 H	283	108.0	2.9
2	*5745.00	99.6 AV			1.24 H	283	96.7	2.9
3	11490.00	54.2 PK	74.0	-19.8	1.99 H	310	41.9	12.3
4	11490.00	40.7 AV	54.0	-13.3	1.99 H	310	28.4	12.3
5	#17235.00	58.0 PK	68.2	-10.2	1.56 H	231	42.7	15.3
6	17968.97	65.9 PK	74.0	-8.1	1.72 H	143	44.5	21.4
7	17968.97	50.9 AV	54.0	-3.1	1.72 H	143	29.5	21.4

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.

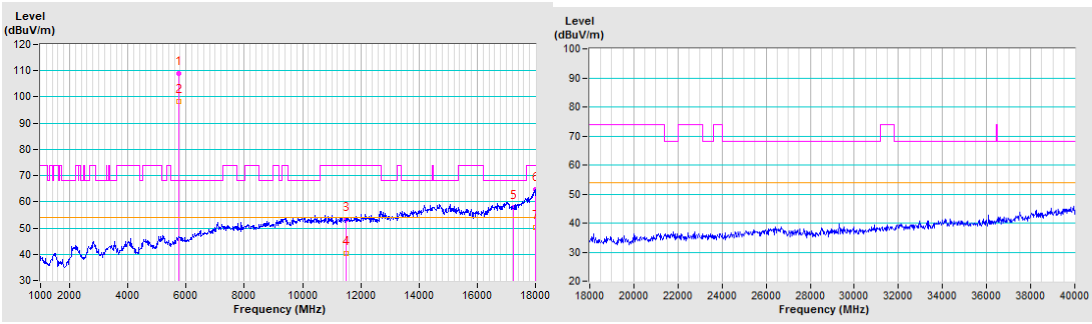


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5745.00	108.9 PK			2.35 V	176	106.0	2.9
2	*5745.00	98.2 AV			2.35 V	176	95.3	2.9
3	11490.00	53.2 PK	74.0	-20.8	1.14 V	211	40.9	12.3
4	11490.00	40.2 AV	54.0	-13.8	1.14 V	211	27.9	12.3
5	#17235.00	57.8 PK	68.2	-10.4	1.81 V	169	42.5	15.3
6	17994.05	64.6 PK	74.0	-9.4	1.38 V	243	42.8	21.8
7	17994.05	50.3 AV	54.0	-3.7	1.38 V	243	28.5	21.8

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.

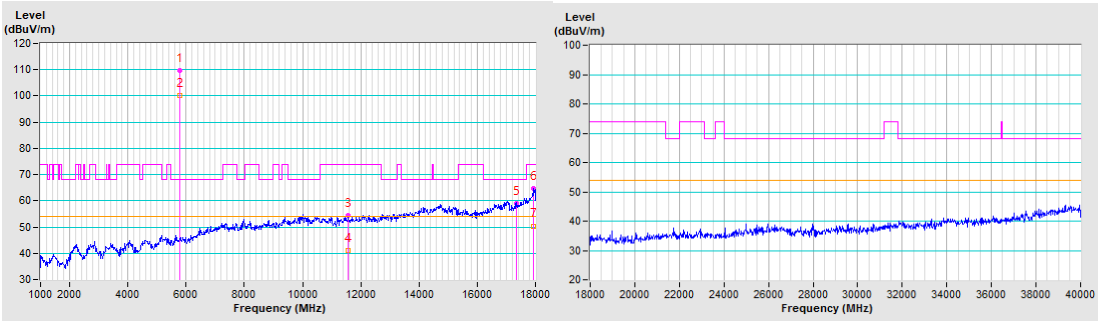


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	109.8 PK			1.22 H	281	106.7	3.1
2	*5785.00	100.3 AV			1.22 H	281	97.2	3.1
3	11570.00	54.5 PK	74.0	-19.5	2.05 H	321	42.1	12.4
4	11570.00	41.0 AV	54.0	-13.0	2.05 H	321	28.6	12.4
5	#17355.00	58.8 PK	68.2	-9.4	1.49 H	227	42.8	16.0
6	17948.15	64.8 PK	74.0	-9.2	1.63 H	134	43.8	21.0
7	17948.15	50.4 AV	54.0	-3.6	1.63 H	134	29.4	21.0

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.

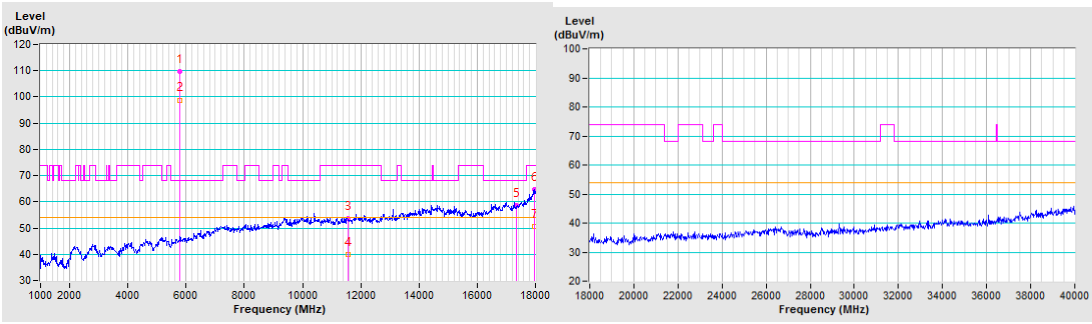


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5785.00	109.6 PK			2.54 V	173	106.5	3.1
2	*5785.00	98.8 AV			2.54 V	173	95.7	3.1
3	11570.00	53.5 PK	74.0	-20.5	1.08 V	231	41.1	12.4
4	11570.00	40.0 AV	54.0	-14.0	1.08 V	231	27.6	12.4
5	#17355.00	58.5 PK	68.2	-9.7	1.74 V	154	42.5	16.0
6	17974.08	64.8 PK	74.0	-9.2	1.40 V	255	43.3	21.5
7	17974.08	50.6 AV	54.0	-3.4	1.40 V	255	29.1	21.5

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.

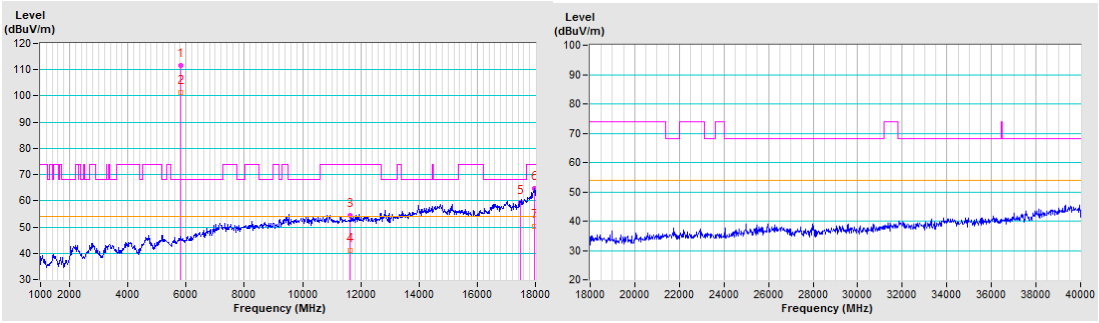


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	111.6 PK			1.17 H	280	108.4	3.2
2	*5825.00	101.2 AV			1.17 H	280	98.0	3.2
3	11650.00	54.4 PK	74.0	-19.6	1.96 H	300	42.0	12.4
4	11650.00	41.1 AV	54.0	-12.9	1.96 H	300	28.7	12.4
5	#17475.00	59.4 PK	68.2	-8.8	1.56 H	225	42.0	17.4
6	17951.97	64.6 PK	74.0	-9.4	1.67 H	131	43.5	21.1
7	17951.97	50.1 AV	54.0	-3.9	1.67 H	131	29.0	21.1

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.

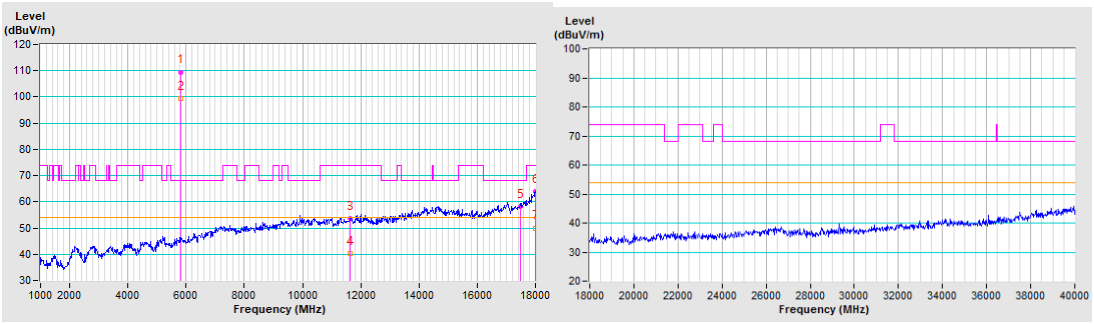


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	109.5 PK			2.54 V	170	106.3	3.2
2	*5825.00	99.3 AV			2.54 V	170	96.1	3.2
3	11650.00	53.7 PK	74.0	-20.3	1.07 V	214	41.3	12.4
4	11650.00	40.4 AV	54.0	-13.6	1.07 V	214	28.0	12.4
5	#17475.00	58.3 PK	68.2	-9.9	1.79 V	164	40.9	17.4
6	17999.58	64.0 PK	74.0	-10.0	1.49 V	261	42.1	21.9
7	17999.58	50.0 AV	54.0	-4.0	1.49 V	261	28.1	21.9

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.



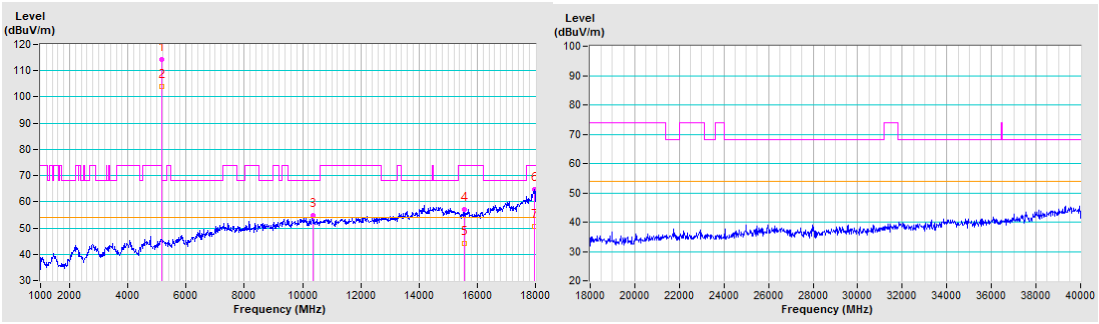
802.11ac (VHT20)

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	*5180.00	114.2 PK			1.45 H	202	111.7	2.5
2	*5180.00	104.0 AV			1.45 H	202	101.5	2.5
3	#10360.00	54.8 PK	68.2	-13.4	2.05 H	317	42.9	11.9
4	15540.00	57.2 PK	74.0	-16.8	1.50 H	234	44.8	12.4
5	15540.00	44.1 AV	54.0	-9.9	1.50 H	234	31.7	12.4
6	17972.37	64.6 PK	74.0	-9.4	1.72 H	136	43.2	21.4
7	17972.37	50.5 AV	54.0	-3.5	1.72 H	136	29.1	21.4

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.

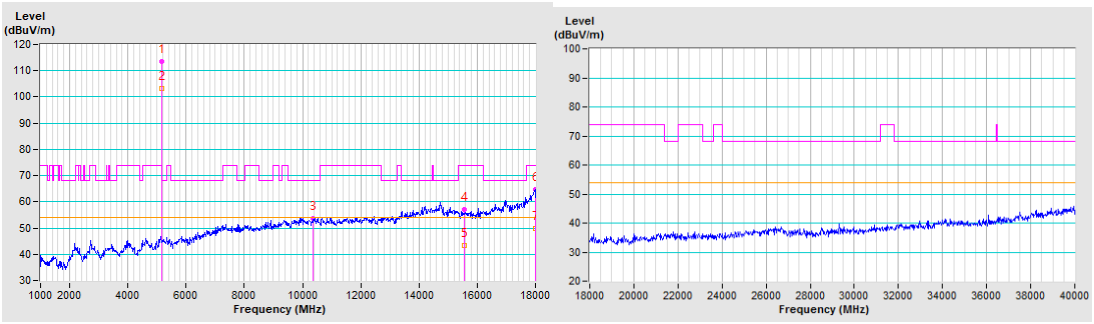


CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5180.00	113.6 PK			3.21 V	167	111.1	2.5
2	*5180.00	103.2 AV			3.21 V	167	100.7	2.5
3	#10360.00	53.5 PK	68.2	-14.7	1.11 V	230	41.6	11.9
4	15540.00	56.9 PK	74.0	-17.1	1.80 V	168	44.5	12.4
5	15540.00	43.2 AV	54.0	-10.8	1.80 V	168	30.8	12.4
6	17990.22	64.7 PK	74.0	-9.3	1.44 V	273	42.9	21.8
7	17990.22	49.7 AV	54.0	-4.3	1.44 V	273	27.9	21.8

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.

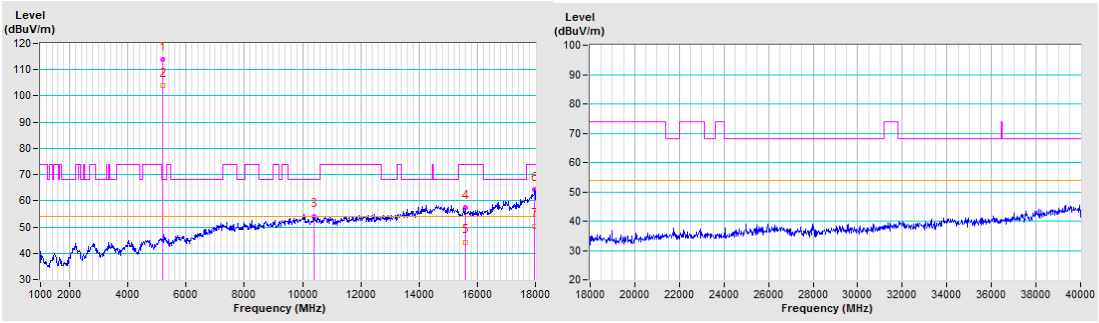


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	114.0 PK			1.37 H	199	111.6	2.4
2	*5200.00	103.9 AV			1.37 H	199	101.5	2.4
3	#10400.00	54.2 PK	68.2	-14.0	1.98 H	299	42.0	12.2
4	15600.00	57.3 PK	74.0	-16.7	1.55 H	235	44.4	12.9
5	15600.00	44.3 AV	54.0	-9.7	1.55 H	235	31.4	12.9
6	17957.08	64.3 PK	74.0	-9.7	1.75 H	132	43.1	21.2
7	17957.08	50.4 AV	54.0	-3.6	1.75 H	132	29.2	21.2

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.

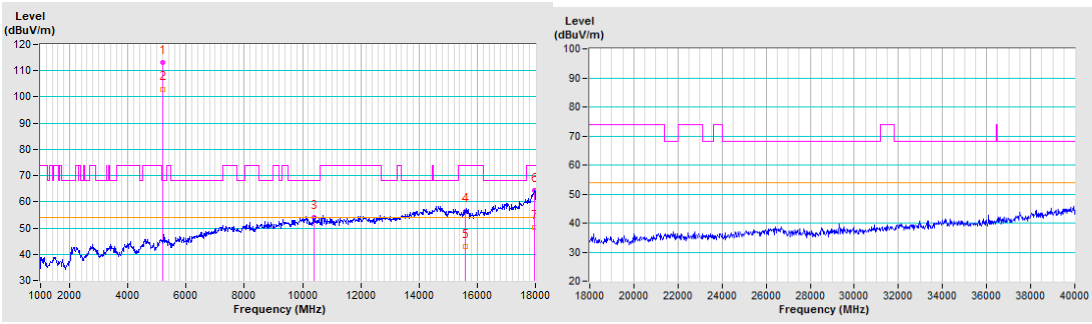


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	113.2 PK			3.00 V	167	110.8	2.4
2	*5200.00	103.0 AV			3.00 V	167	100.6	2.4
3	#10400.00	54.0 PK	68.2	-14.2	1.13 V	207	41.8	12.2
4	15600.00	56.5 PK	74.0	-17.5	1.77 V	146	43.6	12.9
5	15600.00	43.1 AV	54.0	-10.9	1.77 V	146	30.2	12.9
6	17971.95	64.4 PK	74.0	-9.6	1.44 V	270	43.0	21.4
7	17971.95	50.1 AV	54.0	-3.9	1.44 V	270	28.7	21.4

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.

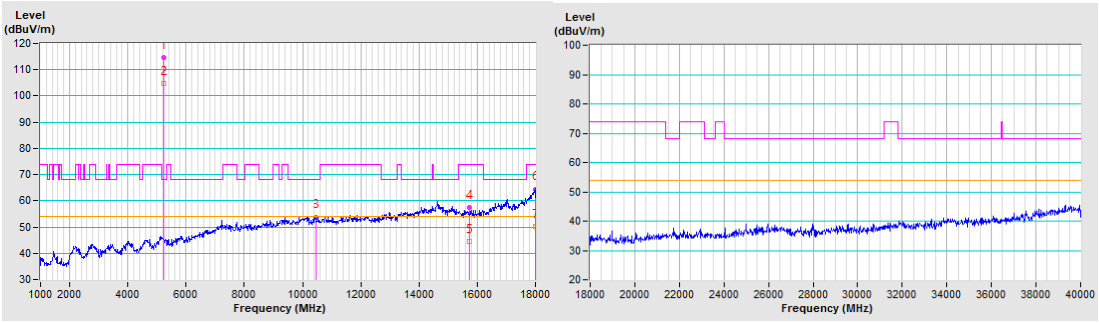


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	114.5 PK			1.30 H	205	112.3	2.2
2	*5240.00	104.6 AV			1.30 H	205	102.4	2.2
3	#10480.00	53.8 PK	68.2	-14.4	1.98 H	306	41.4	12.4
4	15720.00	57.5 PK	74.0	-16.5	1.56 H	220	45.5	12.0
5	15720.00	44.6 AV	54.0	-9.4	1.56 H	220	32.6	12.0
6	17993.62	64.5 PK	74.0	-9.5	1.70 H	148	42.7	21.8
7	17993.62	50.2 AV	54.0	-3.8	1.70 H	148	28.4	21.8

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.

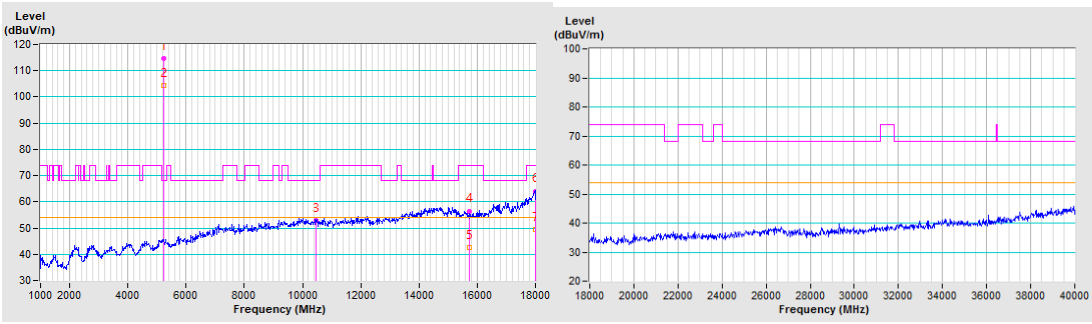


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	114.5 PK			2.90 V	161	112.3	2.2
2	*5240.00	104.2 AV			2.90 V	161	102.0	2.2
3	#10480.00	52.8 PK	68.2	-15.4	1.15 V	214	40.4	12.4
4	15720.00	56.5 PK	74.0	-17.5	1.78 V	150	44.5	12.0
5	15720.00	42.6 AV	54.0	-11.4	1.78 V	150	30.6	12.0
6	17984.70	64.1 PK	74.0	-9.9	1.38 V	258	42.5	21.6
7	17984.70	49.3 AV	54.0	-4.7	1.38 V	258	27.7	21.6

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.

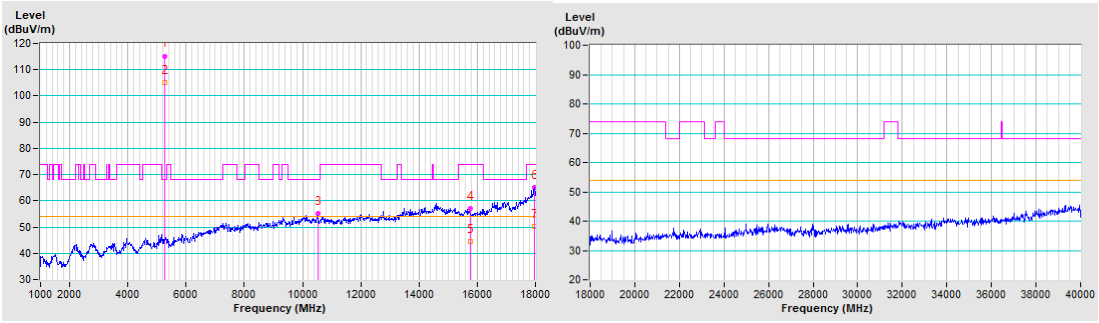


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5260.00	115.2 PK			1.14 H	232	113.1	2.1
2	*5260.00	105.0 AV			1.14 H	232	102.9	2.1
3	#10520.00	55.0 PK	68.2	-13.2	1.99 H	318	42.6	12.4
4	15780.00	57.0 PK	74.0	-17.0	1.58 H	231	45.5	11.5
5	15780.00	44.5 AV	54.0	-9.5	1.58 H	231	33.0	11.5
6	17965.15	65.2 PK	74.0	-8.8	1.66 H	128	43.9	21.3
7	17965.15	50.2 AV	54.0	-3.8	1.66 H	128	28.9	21.3

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.

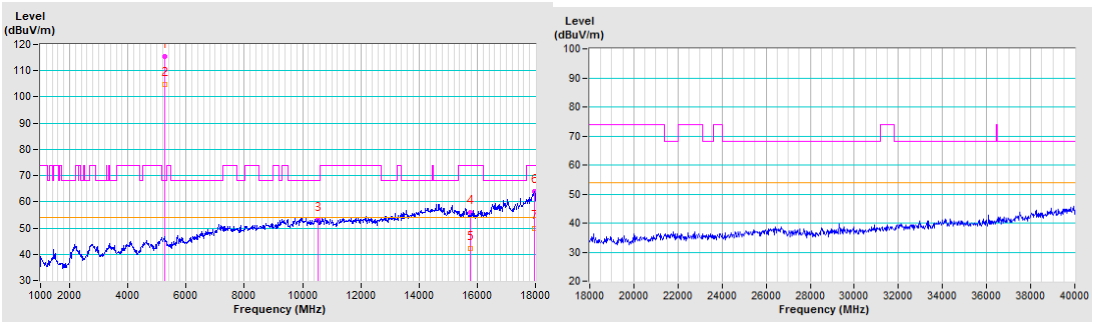


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5260.00	115.3 PK			2.90 V	161	113.2	2.1
2	*5260.00	104.6 AV			2.90 V	161	102.5	2.1
3	#10520.00	53.3 PK	68.2	-14.9	1.08 V	228	40.9	12.4
4	15780.00	56.0 PK	74.0	-18.0	1.84 V	143	44.5	11.5
5	15780.00	42.3 AV	54.0	-11.7	1.84 V	143	30.8	11.5
6	17968.97	64.0 PK	74.0	-10.0	1.37 V	267	42.6	21.4
7	17968.97	50.0 AV	54.0	-4.0	1.37 V	267	28.6	21.4

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.

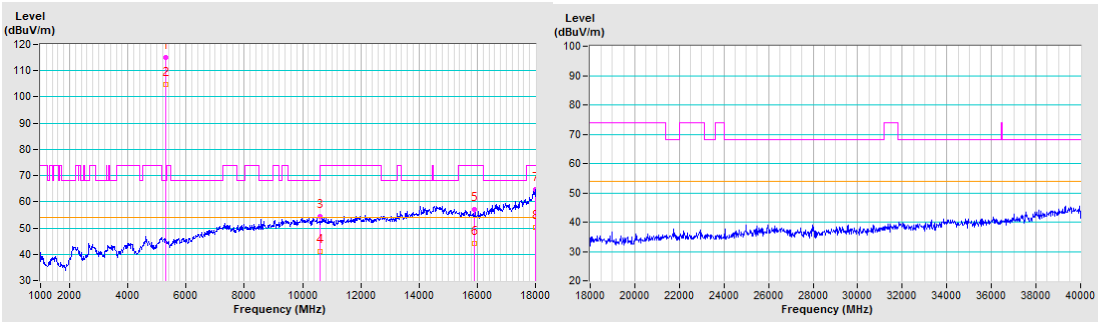


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	115.0 PK			1.19 H	233	112.8	2.2
2	*5300.00	104.8 AV			1.19 H	233	102.6	2.2
3	10600.00	54.3 PK	74.0	-19.7	2.02 H	296	42.6	11.7
4	10600.00	41.1 AV	54.0	-12.9	2.02 H	296	29.4	11.7
5	15900.00	57.0 PK	74.0	-17.0	1.50 H	231	45.8	11.2
6	15900.00	44.0 AV	54.0	-10.0	1.50 H	231	32.8	11.2
7	17998.30	64.7 PK	74.0	-9.3	1.67 H	133	42.8	21.9
8	17998.30	50.3 AV	54.0	-3.7	1.67 H	133	28.4	21.9

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

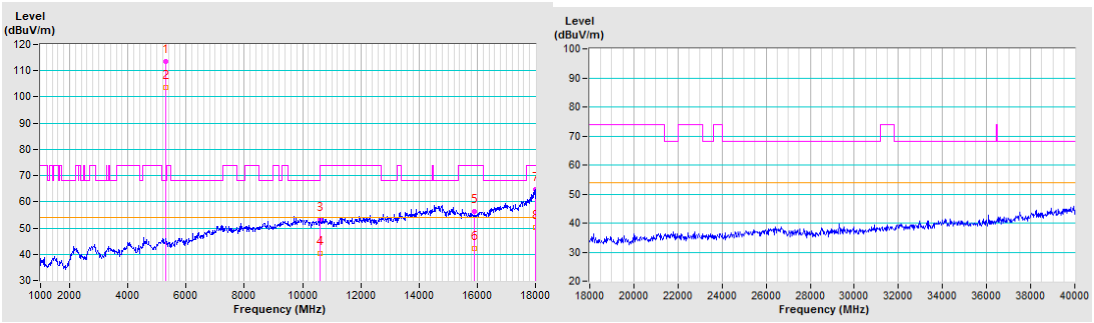


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	113.6 PK			2.76 V	165	111.4	2.2
2	*5300.00	103.5 AV			2.76 V	165	101.3	2.2
3	10600.00	53.4 PK	74.0	-20.6	1.06 V	208	41.7	11.7
4	10600.00	40.3 AV	54.0	-13.7	1.06 V	208	28.6	11.7
5	15900.00	56.2 PK	74.0	-17.8	1.75 V	150	45.0	11.2
6	15900.00	42.3 AV	54.0	-11.7	1.75 V	150	31.1	11.2
7	17983.85	64.6 PK	74.0	-9.4	1.46 V	246	43.0	21.6
8	17983.85	50.2 AV	54.0	-3.8	1.46 V	246	28.6	21.6

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

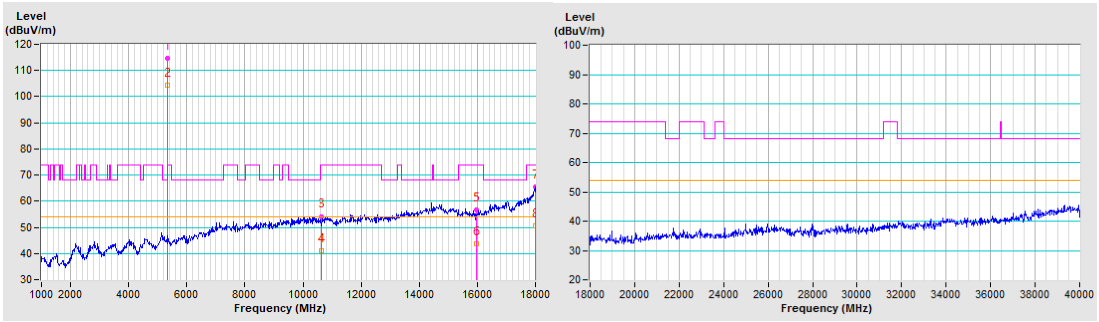


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	114.8 PK			1.13 H	233	112.5	2.3
2	*5320.00	104.5 AV			1.13 H	233	102.2	2.3
3	10640.00	54.2 PK	74.0	-19.8	2.02 H	306	42.5	11.7
4	10640.00	40.9 AV	54.0	-13.1	2.02 H	306	29.2	11.7
5	15960.00	56.8 PK	74.0	-17.2	1.56 H	220	45.4	11.4
6	15960.00	43.8 AV	54.0	-10.2	1.56 H	220	32.4	11.4
7	17989.80	65.6 PK	74.0	-8.4	1.74 H	126	43.8	21.8
8	17989.80	50.6 AV	54.0	-3.4	1.74 H	126	28.8	21.8

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

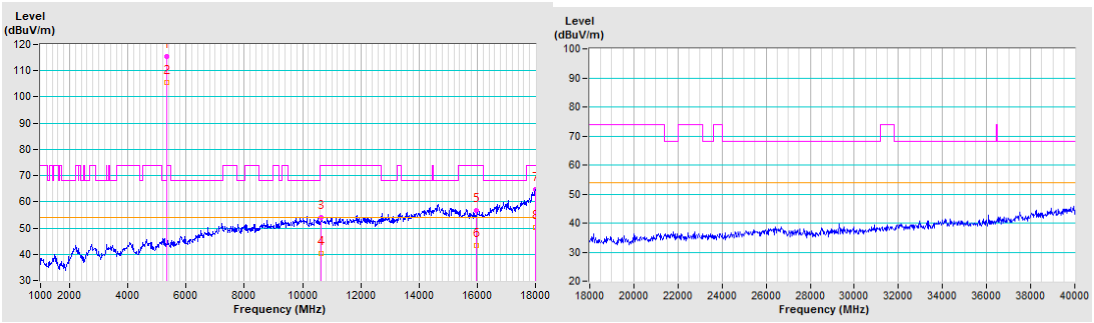


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	115.3 PK			2.28 V	173	113.0	2.3
2	*5320.00	105.5 AV			2.28 V	173	103.2	2.3
3	10640.00	53.9 PK	74.0	-20.1	1.11 V	221	42.2	11.7
4	10640.00	40.3 AV	54.0	-13.7	1.11 V	221	28.6	11.7
5	15960.00	56.8 PK	74.0	-17.2	1.79 V	147	45.4	11.4
6	15960.00	43.2 AV	54.0	-10.8	1.79 V	147	31.8	11.4
7	18000.00	64.7 PK	74.0	-9.3	1.46 V	270	42.8	21.9
8	18000.00	50.3 AV	54.0	-3.7	1.46 V	270	28.4	21.9

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

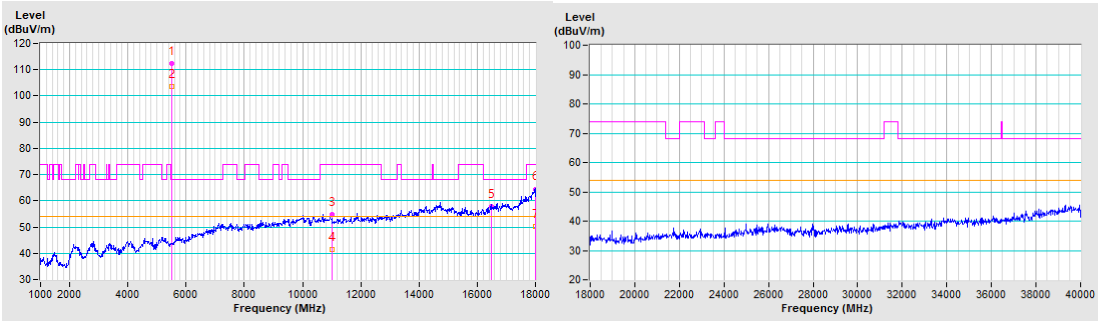


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5500.00	112.5 PK			1.04 H	272	110.0	2.5
2	*5500.00	103.5 AV			1.04 H	272	101.0	2.5
3	11000.00	54.6 PK	74.0	-19.4	2.04 H	305	42.4	12.2
4	11000.00	41.3 AV	54.0	-12.7	2.04 H	305	29.1	12.2
5	#16500.00	57.8 PK	68.2	-10.4	1.54 H	227	44.1	13.7
6	17995.75	64.5 PK	74.0	-9.5	1.67 H	143	42.6	21.9
7	17995.75	50.3 AV	54.0	-3.7	1.67 H	143	28.4	21.9

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.

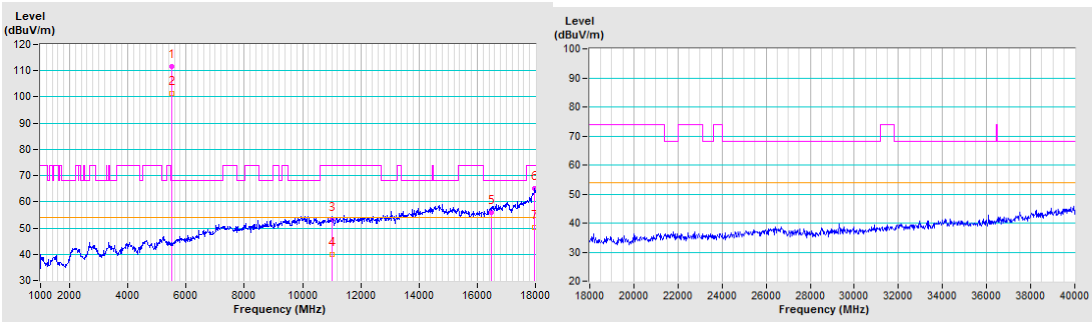


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5500.00	111.7 PK			2.20 V	167	109.2	2.5
2	*5500.00	101.3 AV			2.20 V	167	98.8	2.5
3	11000.00	53.3 PK	74.0	-20.7	1.07 V	213	41.1	12.2
4	11000.00	40.0 AV	54.0	-14.0	1.07 V	213	27.8	12.2
5	#16500.00	55.9 PK	68.2	-12.3	1.80 V	139	42.2	13.7
6	17958.78	65.2 PK	74.0	-8.8	1.48 V	263	44.0	21.2
7	17958.78	50.2 AV	54.0	-3.8	1.48 V	263	29.0	21.2

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.

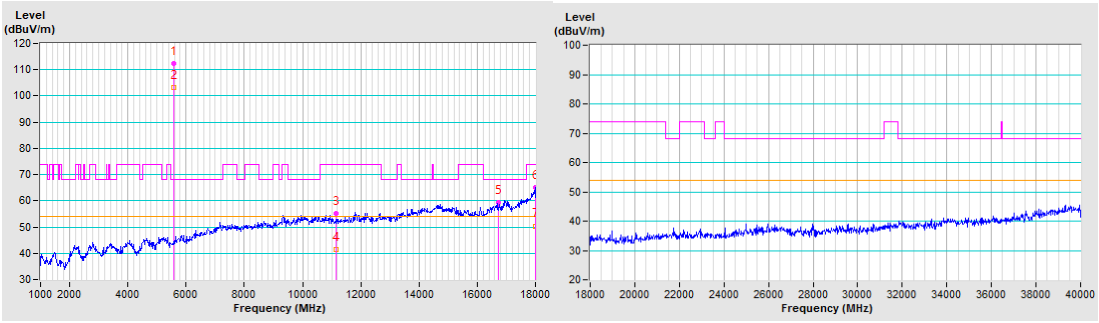


CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5580.00	112.3 PK			1.06 H	256	109.5	2.8
2	*5580.00	103.2 AV			1.06 H	256	100.4	2.8
3	11160.00	55.0 PK	74.0	-19.0	1.99 H	314	43.0	12.0
4	11160.00	41.4 AV	54.0	-12.6	1.99 H	314	29.4	12.0
5	#16740.00	59.3 PK	68.2	-8.9	1.57 H	234	45.1	14.2
6	17997.87	65.2 PK	74.0	-8.8	1.74 H	150	43.3	21.9
7	17997.87	50.4 AV	54.0	-3.6	1.74 H	150	28.5	21.9

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.

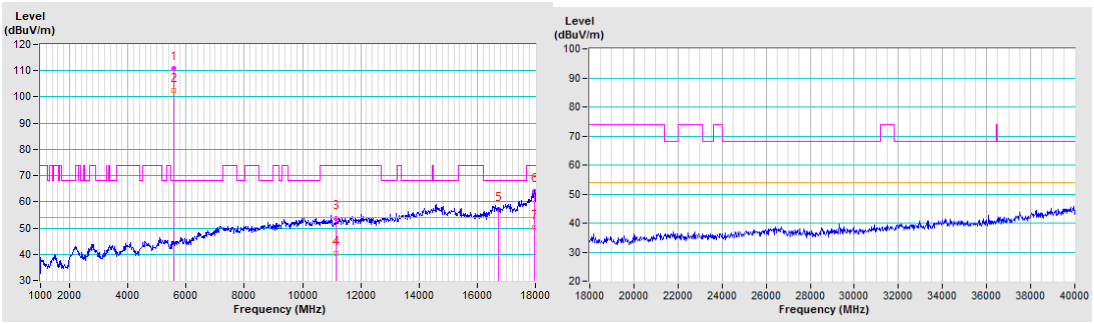


CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5580.00	110.9 PK			2.58 V	174	108.1	2.8
2	*5580.00	102.5 AV			2.58 V	174	99.7	2.8
3	11160.00	53.8 PK	74.0	-20.2	1.16 V	231	41.8	12.0
4	11160.00	40.4 AV	54.0	-13.6	1.16 V	231	28.4	12.0
5	#16740.00	56.9 PK	68.2	-11.3	1.81 V	143	42.7	14.2
6	17973.22	64.1 PK	74.0	-9.9	1.45 V	259	42.7	21.4
7	17973.22	50.2 AV	54.0	-3.8	1.45 V	259	28.8	21.4

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.

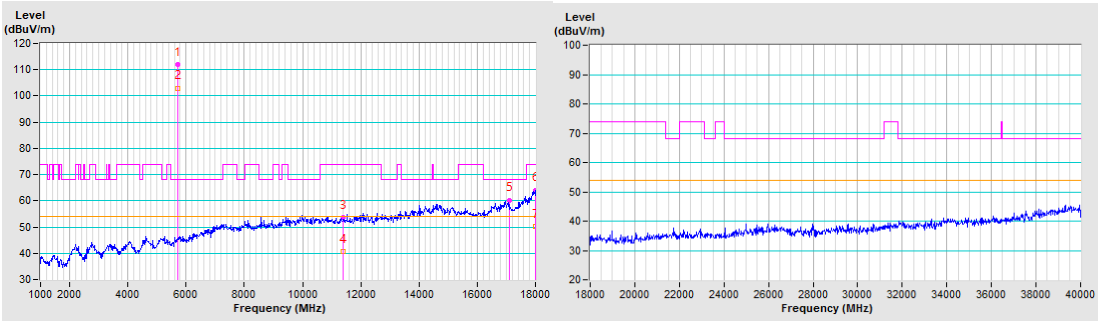


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	112.0 PK			1.02 H	250	109.1	2.9
2	*5700.00	103.0 AV			1.02 H	250	100.1	2.9
3	11400.00	53.6 PK	74.0	-20.4	1.95 H	307	40.6	13.0
4	11400.00	40.5 AV	54.0	-13.5	1.95 H	307	27.5	13.0
5	#17100.00	60.3 PK	68.2	-7.9	1.58 H	230	44.2	16.1
6	17991.08	64.1 PK	74.0	-9.9	1.73 H	137	42.3	21.8
7	17991.08	50.1 AV	54.0	-3.9	1.73 H	137	28.3	21.8

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.

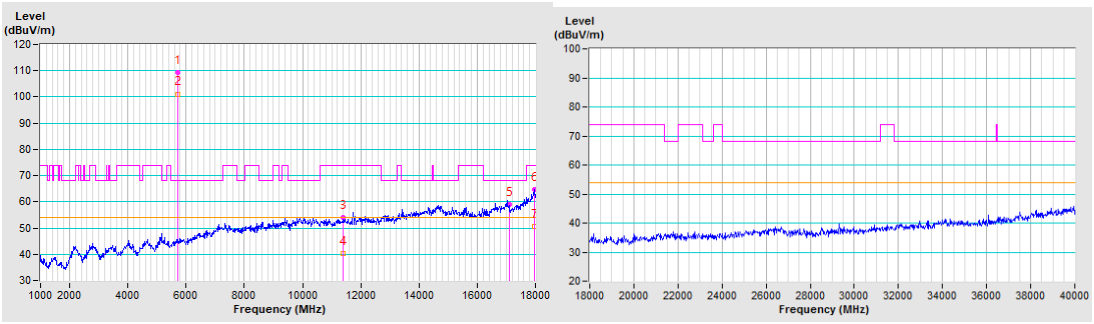


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	109.2 PK			2.94 V	168	106.3	2.9
2	*5700.00	101.1 AV			2.94 V	168	98.2	2.9
3	11400.00	53.9 PK	74.0	-20.1	1.08 V	234	40.9	13.0
4	11400.00	40.4 AV	54.0	-13.6	1.08 V	234	27.4	13.0
5	#17100.00	58.8 PK	68.2	-9.4	1.84 V	148	42.7	16.1
6	17965.58	64.7 PK	74.0	-9.3	1.45 V	269	43.4	21.3
7	17965.58	50.7 AV	54.0	-3.3	1.45 V	269	29.4	21.3

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.

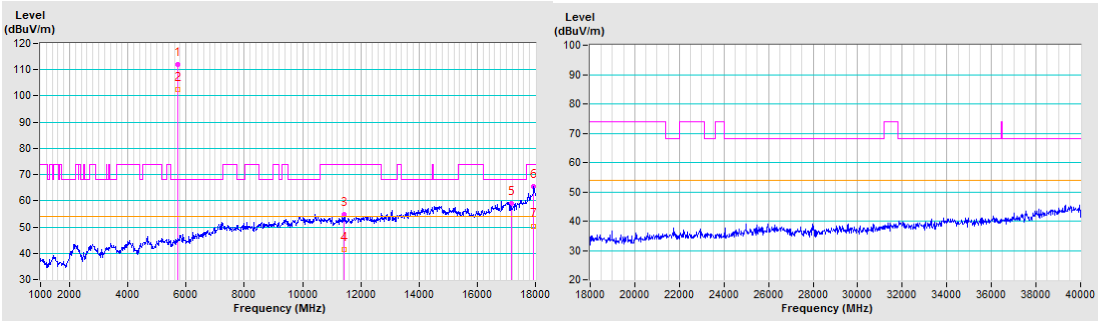


CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5720.00	111.9 PK			1.08 H	276	109.0	2.9
2	*5720.00	102.6 AV			1.08 H	276	99.7	2.9
3	11440.00	54.8 PK	74.0	-19.2	2.06 H	307	42.1	12.7
4	11440.00	41.3 AV	54.0	-12.7	2.06 H	307	28.6	12.7
5	#17160.00	59.1 PK	68.2	-9.1	1.59 H	227	43.5	15.6
6	17946.87	65.3 PK	74.0	-8.7	1.72 H	149	44.3	21.0
7	17946.87	50.4 AV	54.0	-3.6	1.72 H	149	29.4	21.0

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.

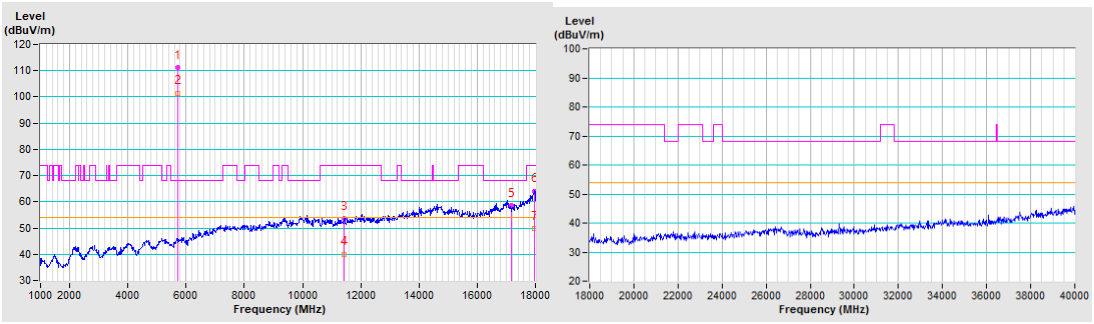


CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5720.00	111.1 PK			3.17 V	172	108.2	2.9
2	*5720.00	101.5 AV			3.17 V	172	98.6	2.9
3	11440.00	53.5 PK	74.0	-20.5	1.15 V	239	40.8	12.7
4	11440.00	40.1 AV	54.0	-13.9	1.15 V	239	27.4	12.7
5	#17160.00	58.7 PK	68.2	-9.5	1.83 V	147	43.1	15.6
6	17970.25	64.1 PK	74.0	-9.9	1.44 V	250	42.7	21.4
7	17970.25	49.8 AV	54.0	-4.2	1.44 V	250	28.4	21.4

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.

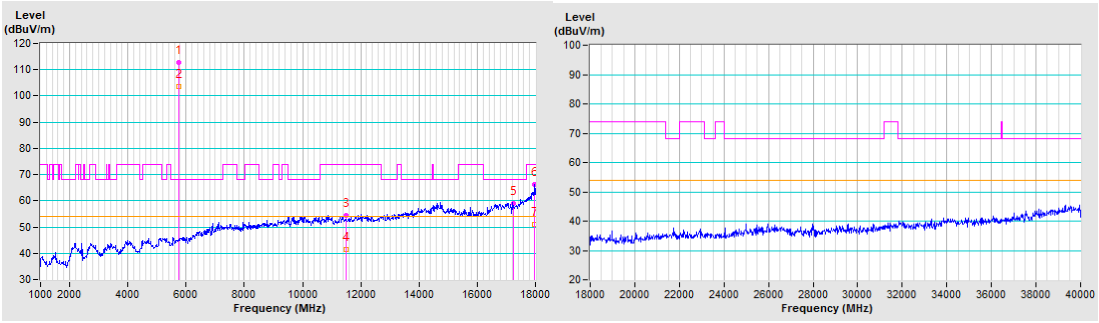


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5745.00	112.6 PK			1.50 H	199	109.7	2.9
2	*5745.00	103.6 AV			1.50 H	199	100.7	2.9
3	11490.00	54.5 PK	74.0	-19.5	2.00 H	315	42.2	12.3
4	11490.00	41.4 AV	54.0	-12.6	2.00 H	315	29.1	12.3
5	#17235.00	58.9 PK	68.2	-9.3	1.56 H	244	43.6	15.3
6	17976.20	66.2 PK	74.0	-7.8	1.71 H	137	44.7	21.5
7	17976.20	50.8 AV	54.0	-3.2	1.71 H	137	29.3	21.5

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.

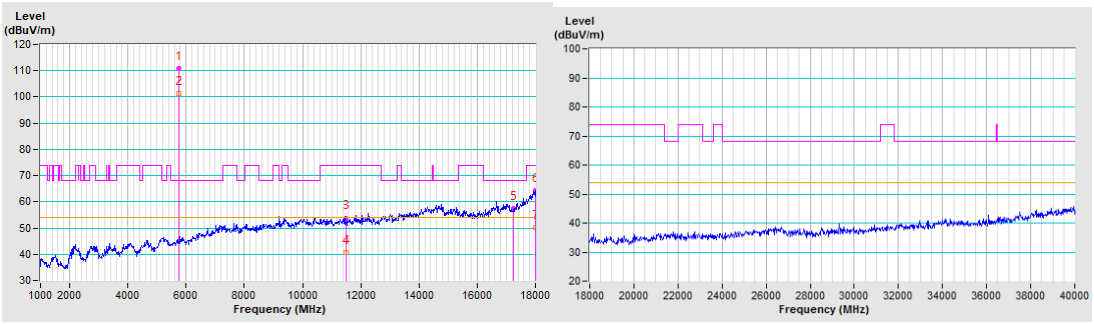


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5745.00	110.8 PK			3.16 V	171	107.9	2.9
2	*5745.00	101.3 AV			3.16 V	171	98.4	2.9
3	11490.00	53.8 PK	74.0	-20.2	1.11 V	214	41.5	12.3
4	11490.00	40.5 AV	54.0	-13.5	1.11 V	214	28.2	12.3
5	#17235.00	57.4 PK	68.2	-10.8	1.81 V	149	42.1	15.3
6	17984.28	64.2 PK	74.0	-9.8	1.49 V	251	42.6	21.6
7	17984.28	50.1 AV	54.0	-3.9	1.49 V	251	28.5	21.6

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.

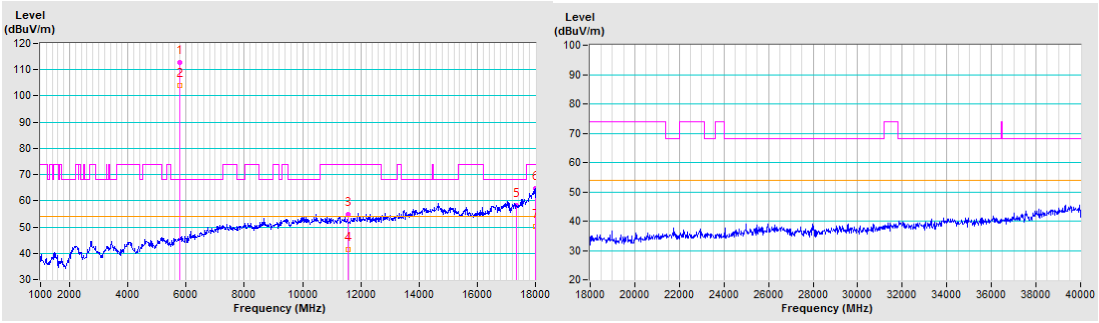


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	112.8 PK			1.51 H	195	109.7	3.1
2	*5785.00	103.8 AV			1.51 H	195	100.7	3.1
3	11570.00	54.8 PK	74.0	-19.2	2.02 H	296	42.4	12.4
4	11570.00	41.5 AV	54.0	-12.5	2.02 H	296	29.1	12.4
5	#17355.00	58.1 PK	68.2	-10.1	1.55 H	243	42.1	16.0
6	17990.65	64.6 PK	74.0	-9.4	1.66 H	127	42.8	21.8
7	17990.65	50.3 AV	54.0	-3.7	1.66 H	127	28.5	21.8

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.

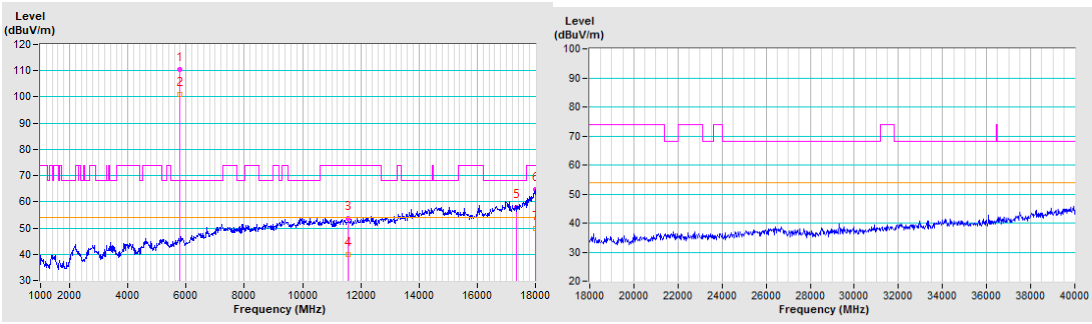


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5785.00	110.4 PK			2.99 V	165	107.3	3.1
2	*5785.00	101.0 AV			2.99 V	165	97.9	3.1
3	11570.00	53.6 PK	74.0	-20.4	1.13 V	211	41.2	12.4
4	11570.00	40.0 AV	54.0	-14.0	1.13 V	211	27.6	12.4
5	#17355.00	58.0 PK	68.2	-10.2	1.77 V	141	42.0	16.0
6	17994.05	64.6 PK	74.0	-9.4	1.43 V	261	42.8	21.8
7	17994.05	49.9 AV	54.0	-4.1	1.43 V	261	28.1	21.8

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.

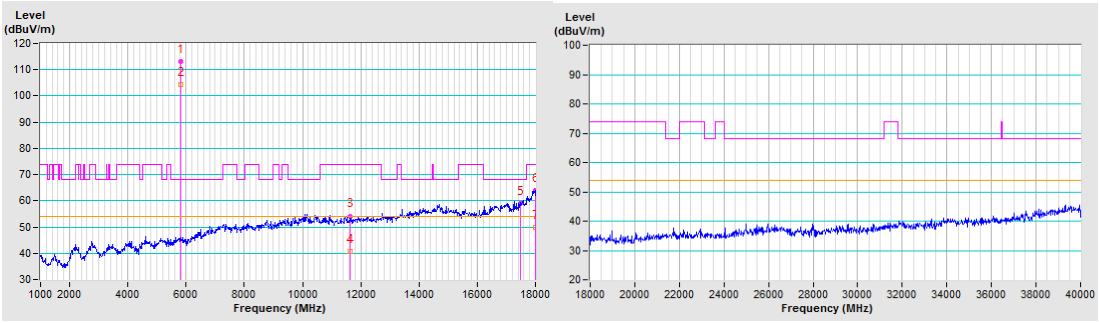


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	113.1 PK			1.47 H	199	109.9	3.2
2	*5825.00	104.2 AV			1.47 H	199	101.0	3.2
3	11650.00	54.2 PK	74.0	-19.8	2.02 H	310	41.8	12.4
4	11650.00	40.8 AV	54.0	-13.2	2.02 H	310	28.4	12.4
5	#17475.00	58.9 PK	68.2	-9.3	1.55 H	242	41.5	17.4
6	17984.28	63.9 PK	74.0	-10.1	1.69 H	131	42.3	21.6
7	17984.28	49.9 AV	54.0	-4.1	1.69 H	131	28.3	21.6

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.

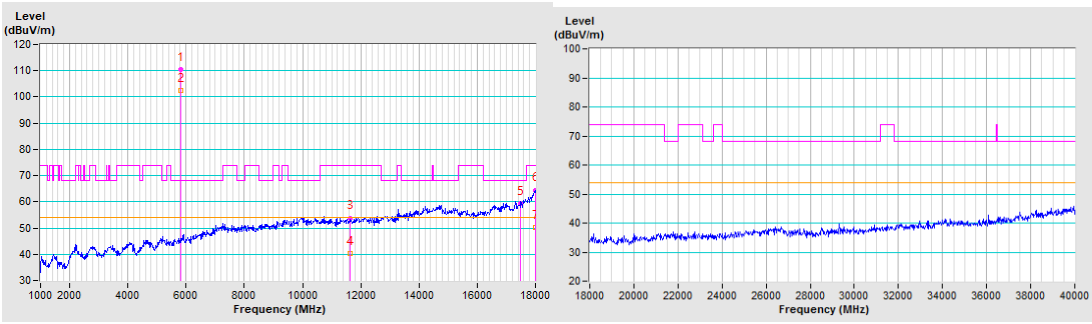


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	110.6 PK			2.93 V	164	107.4	3.2
2	*5825.00	102.3 AV			2.93 V	164	99.1	3.2
3	11650.00	53.8 PK	74.0	-20.2	1.13 V	217	41.4	12.4
4	11650.00	40.2 AV	54.0	-13.8	1.13 V	217	27.8	12.4
5	#17475.00	59.4 PK	68.2	-8.8	1.83 V	158	42.0	17.4
6	17997.03	64.5 PK	74.0	-9.5	1.45 V	241	42.6	21.9
7	17997.03	50.1 AV	54.0	-3.9	1.45 V	241	28.2	21.9

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.



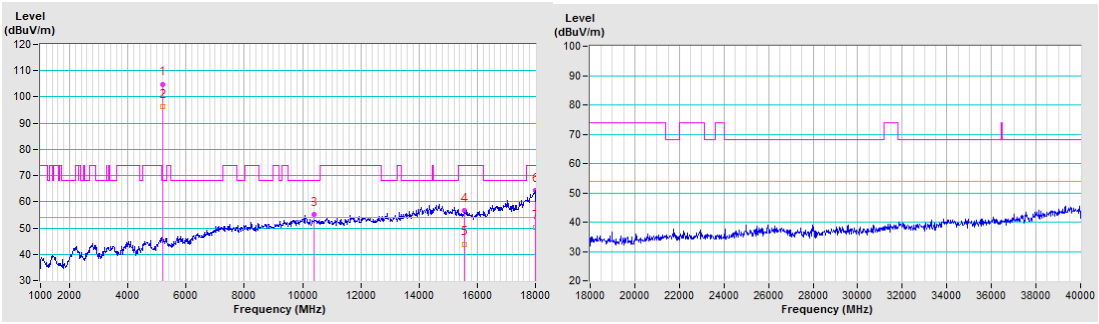
802.11ac (VHT40)

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	*5190.00	104.9 PK			1.49 H	174	102.4	2.5
2	*5190.00	96.5 AV			1.49 H	174	94.0	2.5
3	#10380.00	55.1 PK	68.2	-13.1	2.03 H	318	43.1	12.0
4	15570.00	56.7 PK	74.0	-17.3	1.55 H	229	44.1	12.6
5	15570.00	43.9 AV	54.0	-10.1	1.55 H	229	31.3	12.6
6	17994.05	64.2 PK	74.0	-9.8	1.73 H	131	42.4	21.8
7	17994.05	50.2 AV	54.0	-3.8	1.73 H	131	28.4	21.8

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.

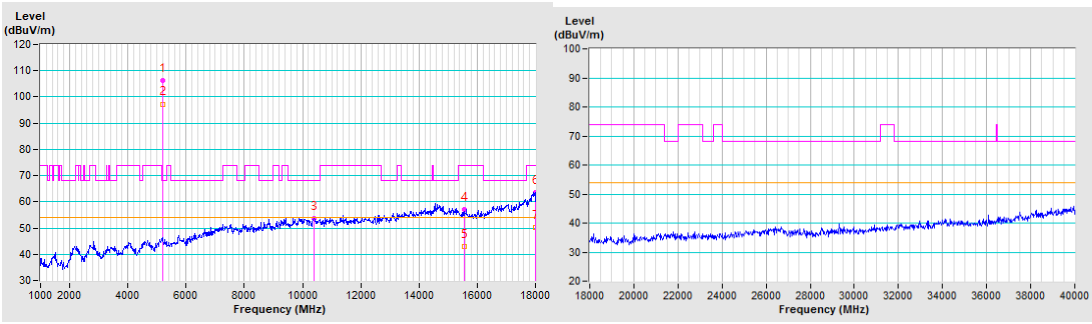


CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5190.00	106.4 PK			2.91 V	160	103.9	2.5
2	*5190.00	97.3 AV			2.91 V	160	94.8	2.5
3	#10380.00	53.6 PK	68.2	-14.6	1.14 V	230	41.6	12.0
4	15570.00	56.9 PK	74.0	-17.1	1.74 V	144	44.3	12.6
5	15570.00	43.0 AV	54.0	-11.0	1.74 V	144	30.4	12.6
6	17986.83	63.5 PK	74.0	-10.5	1.48 V	271	41.9	21.6
7	17986.83	50.1 AV	54.0	-3.9	1.48 V	271	28.5	21.6

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.

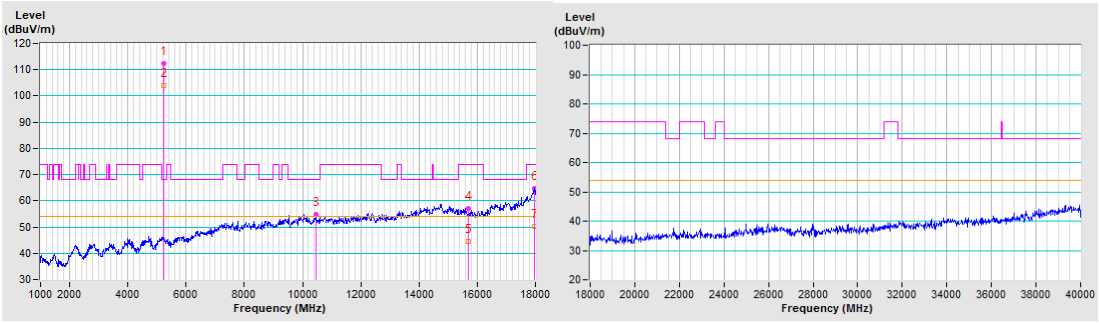


CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	112.3 PK			1.52 H	184	110.1	2.2
2	*5230.00	104.0 AV			1.52 H	184	101.8	2.2
3	#10460.00	54.6 PK	68.2	-13.6	2.05 H	326	42.2	12.4
4	15690.00	57.1 PK	74.0	-16.9	1.54 H	236	44.9	12.2
5	15690.00	44.5 AV	54.0	-9.5	1.54 H	236	32.3	12.2
6	17957.50	64.7 PK	74.0	-9.3	1.68 H	132	43.5	21.2
7	17957.50	50.1 AV	54.0	-3.9	1.68 H	132	28.9	21.2

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.

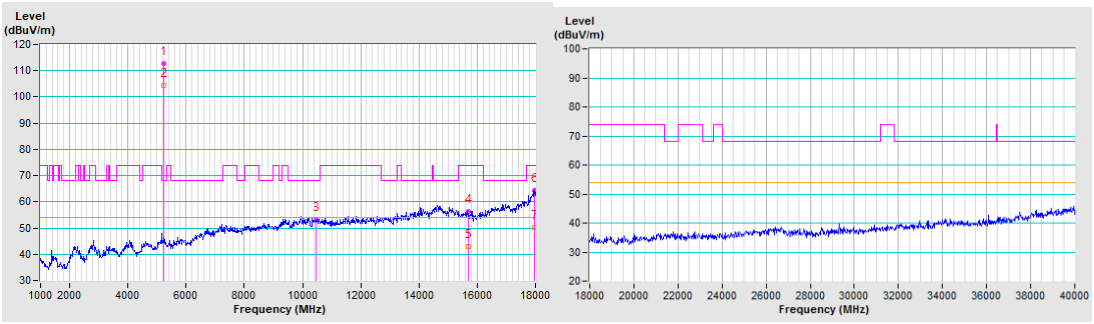


CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	112.9 PK			3.05 V	161	110.7	2.2
2	*5230.00	104.3 AV			3.05 V	161	102.1	2.2
3	#10460.00	53.1 PK	68.2	-15.1	1.17 V	207	40.7	12.4
4	15690.00	56.4 PK	74.0	-17.6	1.80 V	143	44.2	12.2
5	15690.00	43.0 AV	54.0	-11.0	1.80 V	143	30.8	12.2
6	17961.33	64.3 PK	74.0	-9.7	1.42 V	248	43.0	21.3
7	17961.33	50.3 AV	54.0	-3.7	1.42 V	248	29.0	21.3

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.

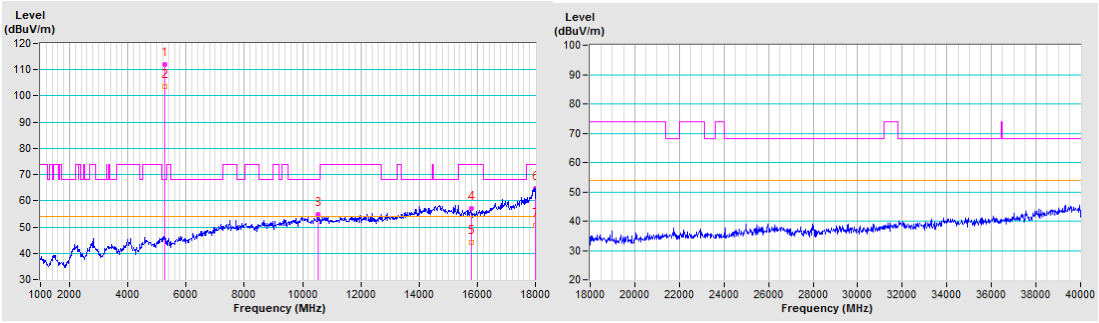


CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5270.00	111.9 PK			1.49 H	192	109.8	2.1
2	*5270.00	103.7 AV			1.49 H	192	101.6	2.1
3	#10540.00	54.7 PK	68.2	-13.5	2.03 H	321	42.5	12.2
4	15810.00	57.0 PK	74.0	-17.0	1.55 H	218	45.7	11.3
5	15810.00	44.2 AV	54.0	-9.8	1.55 H	218	32.9	11.3
6	17988.53	64.8 PK	74.0	-9.2	1.72 H	132	43.1	21.7
7	17988.53	50.6 AV	54.0	-3.4	1.72 H	132	28.9	21.7

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.

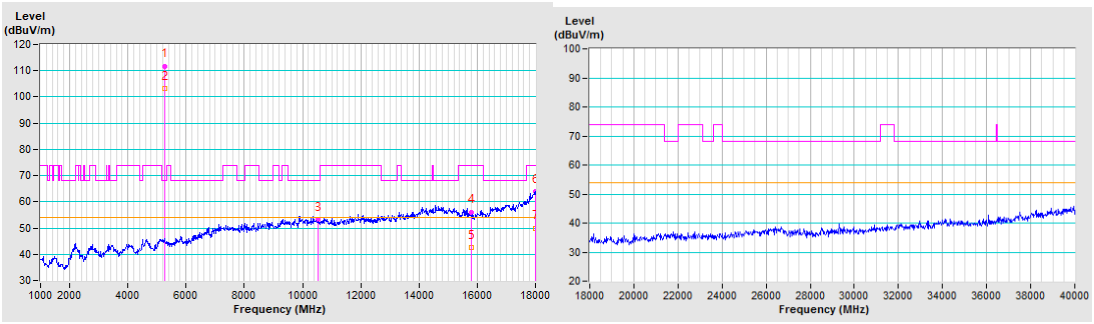


CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5270.00	111.8 PK			3.02 V	171	109.7	2.1
2	*5270.00	103.2 AV			3.02 V	171	101.1	2.1
3	#10540.00	53.4 PK	68.2	-14.8	1.08 V	227	41.2	12.2
4	15810.00	56.1 PK	74.0	-17.9	1.82 V	141	44.8	11.3
5	15810.00	42.6 AV	54.0	-11.4	1.82 V	141	31.3	11.3
6	17998.30	64.0 PK	74.0	-10.0	1.37 V	244	42.1	21.9
7	17998.30	50.0 AV	54.0	-4.0	1.37 V	244	28.1	21.9

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.

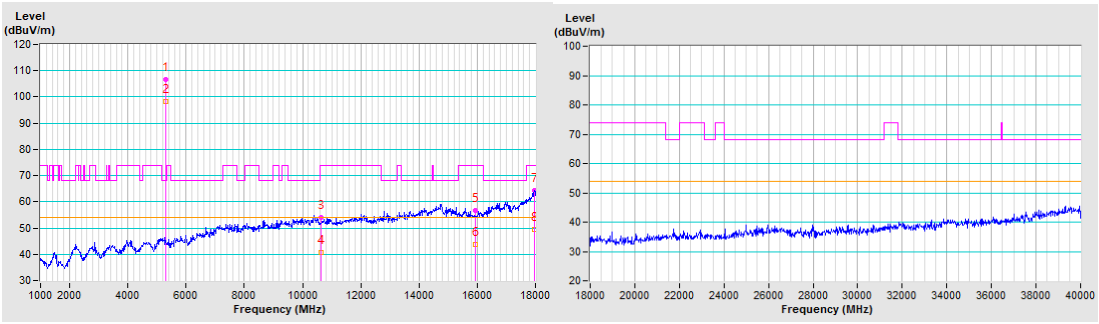


CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	106.8 PK			1.47 H	201	104.6	2.2
2	*5310.00	98.4 AV			1.47 H	201	96.2	2.2
3	10620.00	54.1 PK	74.0	-19.9	2.00 H	312	42.4	11.7
4	10620.00	40.8 AV	54.0	-13.2	2.00 H	312	29.1	11.7
5	15930.00	56.6 PK	74.0	-17.4	1.51 H	243	45.4	11.2
6	15930.00	43.7 AV	54.0	-10.3	1.51 H	243	32.5	11.2
7	17965.58	64.2 PK	74.0	-9.8	1.70 H	149	42.9	21.3
8	17965.58	49.4 AV	54.0	-4.6	1.70 H	149	28.1	21.3

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

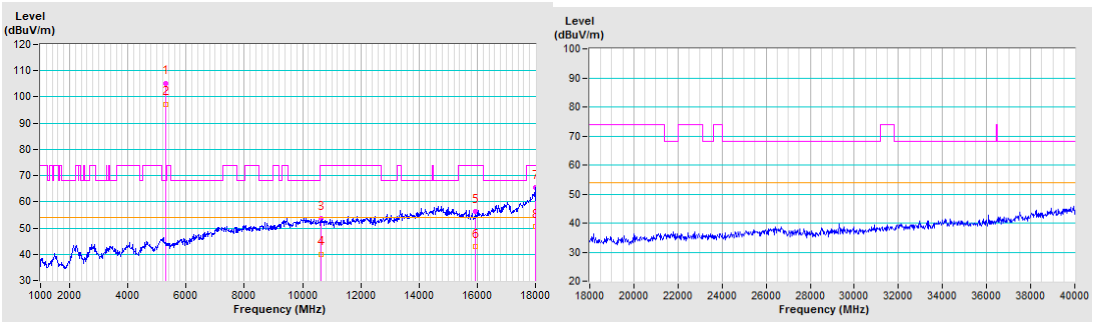


CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	105.3 PK			2.97 V	168	103.1	2.2
2	*5310.00	97.3 AV			2.97 V	168	95.1	2.2
3	10620.00	53.5 PK	74.0	-20.5	1.15 V	231	41.8	11.7
4	10620.00	40.1 AV	54.0	-13.9	1.15 V	231	28.4	11.7
5	15930.00	56.4 PK	74.0	-17.6	1.75 V	162	45.2	11.2
6	15930.00	42.8 AV	54.0	-11.2	1.75 V	162	31.6	11.2
7	17998.30	65.6 PK	74.0	-8.4	1.46 V	257	43.7	21.9
8	17998.30	50.7 AV	54.0	-3.3	1.46 V	257	28.8	21.9

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

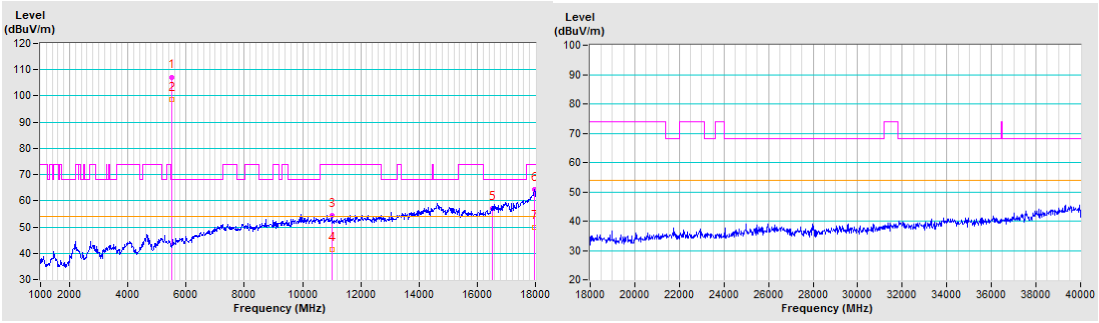


CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5510.00	107.2 PK			1.64 H	173	104.7	2.5
2	*5510.00	98.7 AV			1.64 H	173	96.2	2.5
3	11020.00	54.5 PK	74.0	-19.5	2.06 H	322	42.2	12.3
4	11020.00	41.5 AV	54.0	-12.5	2.06 H	322	29.2	12.3
5	#16530.00	57.2 PK	68.2	-11.0	1.48 H	221	43.3	13.9
6	17959.62	64.3 PK	74.0	-9.7	1.64 H	130	43.0	21.3
7	17959.62	49.9 AV	54.0	-4.1	1.64 H	130	28.6	21.3

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.

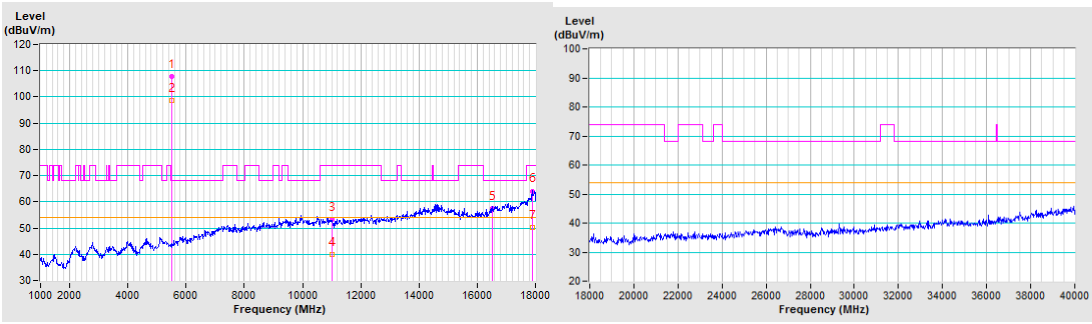


CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5510.00	107.7 PK			2.79 V	158	105.2	2.5
2	*5510.00	98.5 AV			2.79 V	158	96.0	2.5
3	11020.00	53.3 PK	74.0	-20.7	1.14 V	231	41.0	12.3
4	11020.00	39.9 AV	54.0	-14.1	1.14 V	231	27.6	12.3
5	#16530.00	57.3 PK	68.2	-10.9	1.85 V	169	43.4	13.9
6	17897.15	64.1 PK	74.0	-9.9	1.38 V	243	44.0	20.1
7	17897.15	50.1 AV	54.0	-3.9	1.38 V	243	30.0	20.1

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.

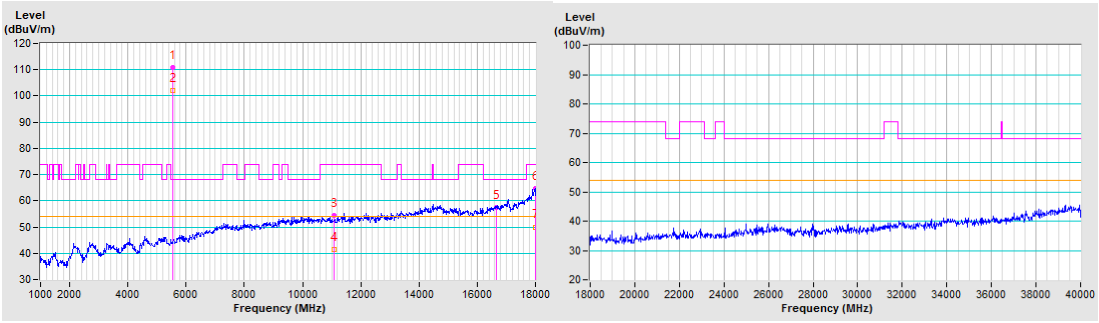


CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5550.00	110.9 PK			1.59 H	173	108.2	2.7
2	*5550.00	102.0 AV			1.59 H	173	99.3	2.7
3	11100.00	54.5 PK	74.0	-19.5	1.99 H	317	42.4	12.1
4	11100.00	41.4 AV	54.0	-12.6	1.99 H	317	29.3	12.1
5	#16650.00	57.3 PK	68.2	-10.9	1.59 H	243	43.1	14.2
6	17983.00	64.8 PK	74.0	-9.2	1.71 H	140	43.2	21.6
7	17983.00	50.0 AV	54.0	-4.0	1.71 H	140	28.4	21.6

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.

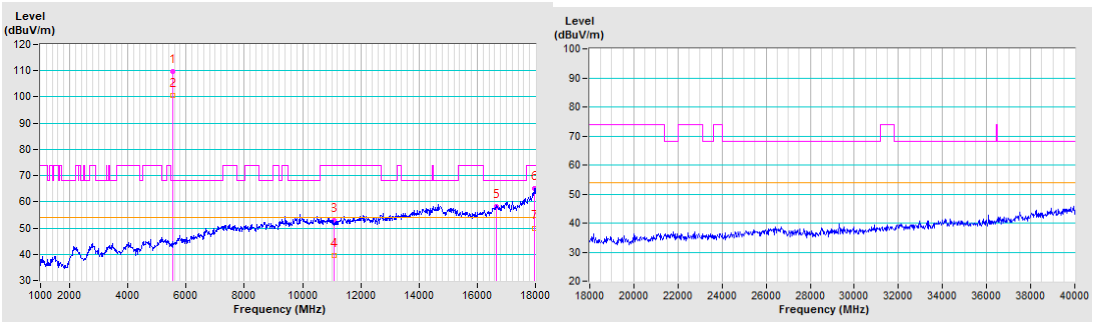


CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5550.00	109.7 PK			2.80 V	144	107.0	2.7
2	*5550.00	100.5 AV			2.80 V	144	97.8	2.7
3	11100.00	53.0 PK	74.0	-21.0	1.07 V	223	40.9	12.1
4	11100.00	39.6 AV	54.0	-14.4	1.07 V	223	27.5	12.1
5	#16650.00	58.2 PK	68.2	-10.0	1.81 V	155	44.0	14.2
6	17968.55	65.0 PK	74.0	-9.0	1.38 V	244	43.6	21.4
7	17968.55	50.0 AV	54.0	-4.0	1.38 V	244	28.6	21.4

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.

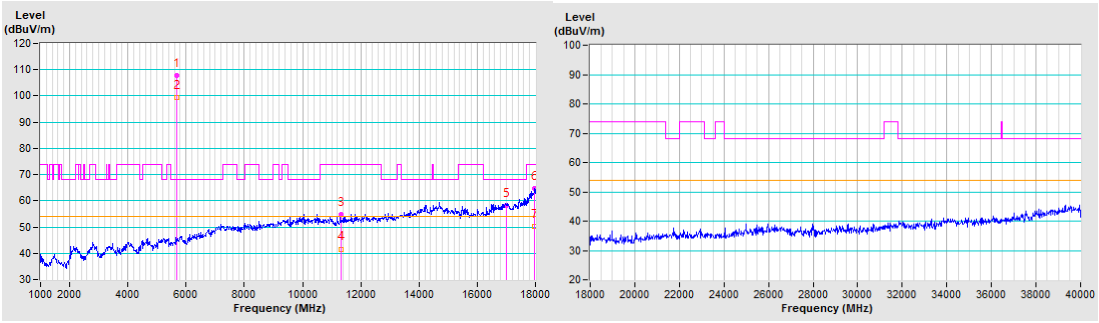


CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	107.8 PK			1.55 H	171	104.9	2.9
2	*5670.00	99.4 AV			1.55 H	171	96.5	2.9
3	11340.00	54.7 PK	74.0	-19.3	2.06 H	317	41.8	12.9
4	11340.00	41.6 AV	54.0	-12.4	2.06 H	317	28.7	12.9
5	#17010.00	58.3 PK	68.2	-9.9	1.51 H	245	42.5	15.8
6	17968.12	64.6 PK	74.0	-9.4	1.72 H	134	43.2	21.4
7	17968.12	50.1 AV	54.0	-3.9	1.72 H	134	28.7	21.4

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.

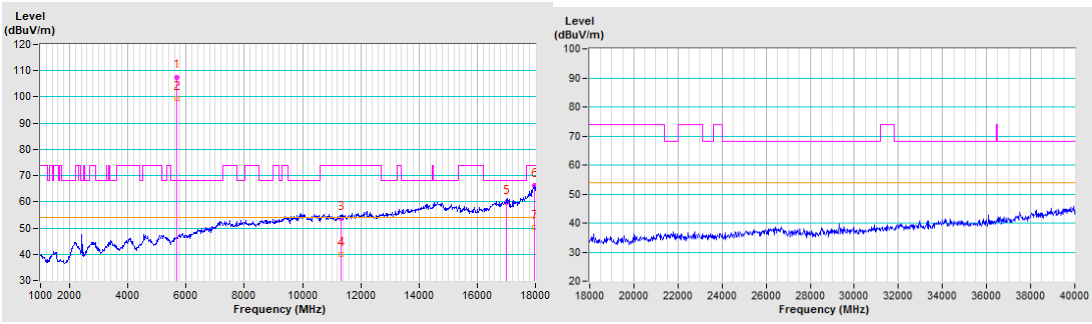


CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	107.6 PK			2.83 V	169	104.7	2.9
2	*5670.00	99.3 AV			2.83 V	169	96.4	2.9
3	11340.00	53.5 PK	74.0	-20.5	1.16 V	233	40.6	12.9
4	11340.00	40.0 AV	54.0	-14.0	1.16 V	233	27.1	12.9
5	#17010.00	59.7 PK	68.2	-8.5	1.81 V	144	43.9	15.8
6	17976.20	66.2 PK	74.0	-7.8	1.45 V	249	44.7	21.5
7	17976.20	50.1 AV	54.0	-3.9	1.45 V	249	28.6	21.5

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.

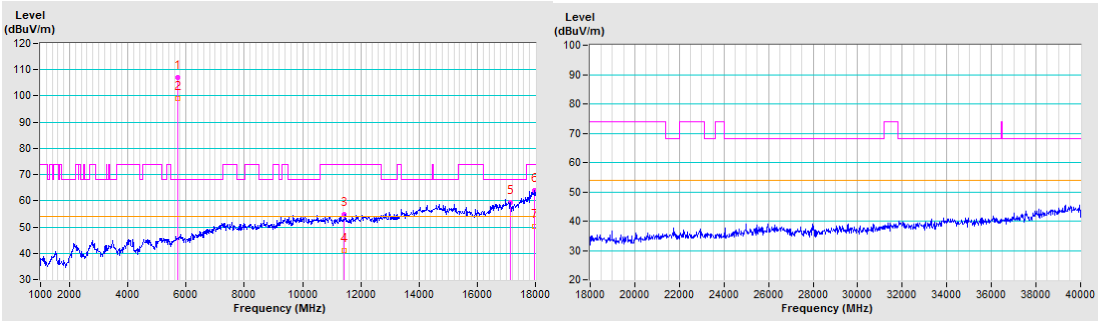


CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5710.00	107.1 PK			1.50 H	174	104.1	3.0
2	*5710.00	99.0 AV			1.50 H	174	96.0	3.0
3	11420.00	54.6 PK	74.0	-19.4	1.96 H	297	41.7	12.9
4	11420.00	41.2 AV	54.0	-12.8	1.96 H	297	28.3	12.9
5	#17130.00	59.4 PK	68.2	-8.8	1.49 H	238	43.6	15.8
6	17974.50	63.9 PK	74.0	-10.1	1.66 H	129	42.4	21.5
7	17974.50	50.3 AV	54.0	-3.7	1.66 H	129	28.8	21.5

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.

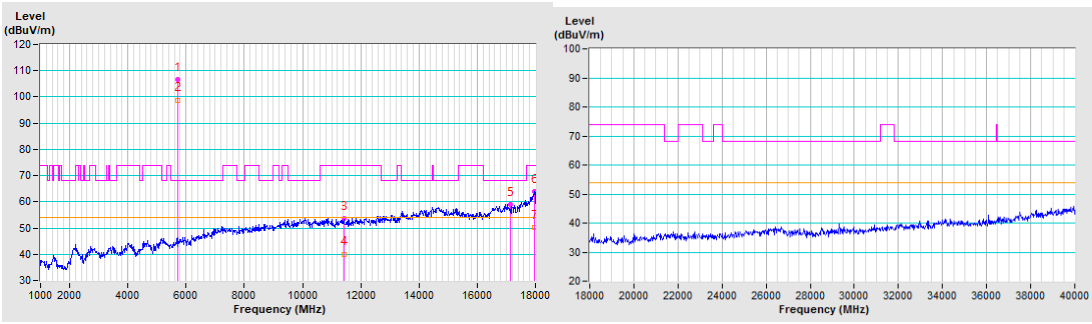


CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5710.00	106.8 PK			2.83 V	169	103.8	3.0
2	*5710.00	98.8 AV			2.83 V	169	95.8	3.0
3	11420.00	53.7 PK	74.0	-20.3	1.10 V	210	40.8	12.9
4	11420.00	40.1 AV	54.0	-13.9	1.10 V	210	27.2	12.9
5	#17130.00	58.8 PK	68.2	-9.4	1.75 V	167	43.0	15.8
6	17974.92	63.9 PK	74.0	-10.1	1.43 V	256	42.4	21.5
7	17974.92	50.3 AV	54.0	-3.7	1.43 V	256	28.8	21.5

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.

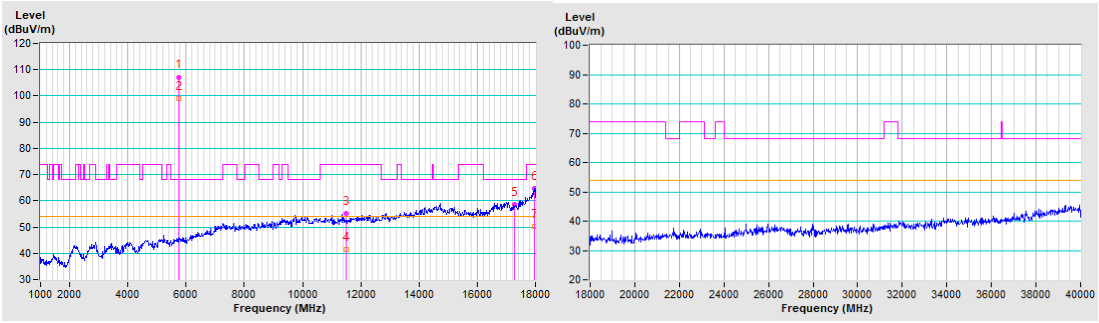


CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5755.00	107.2 PK			1.45 H	174	104.2	3.0
2	*5755.00	98.9 AV			1.45 H	174	95.9	3.0
3	11510.00	55.1 PK	74.0	-18.9	1.96 H	303	42.8	12.3
4	11510.00	41.5 AV	54.0	-12.5	1.96 H	303	29.2	12.3
5	#17265.00	58.7 PK	68.2	-9.5	1.59 H	245	43.3	15.4
6	17973.65	64.6 PK	74.0	-9.4	1.69 H	152	43.1	21.5
7	17973.65	50.2 AV	54.0	-3.8	1.69 H	152	28.7	21.5

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.

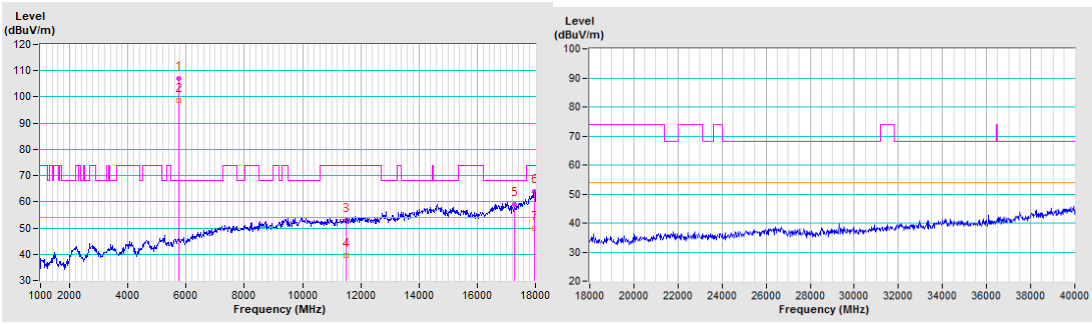


CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5755.00	106.9 PK			2.76 V	168	103.9	3.0
2	*5755.00	98.7 AV			2.76 V	168	95.7	3.0
3	11510.00	53.0 PK	74.0	-21.0	1.11 V	215	40.7	12.3
4	11510.00	39.5 AV	54.0	-14.5	1.11 V	215	27.2	12.3
5	#17265.00	58.9 PK	68.2	-9.3	1.79 V	140	43.5	15.4
6	17953.67	63.9 PK	74.0	-10.1	1.39 V	261	42.8	21.1
7	17953.67	49.7 AV	54.0	-4.3	1.39 V	261	28.6	21.1

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.

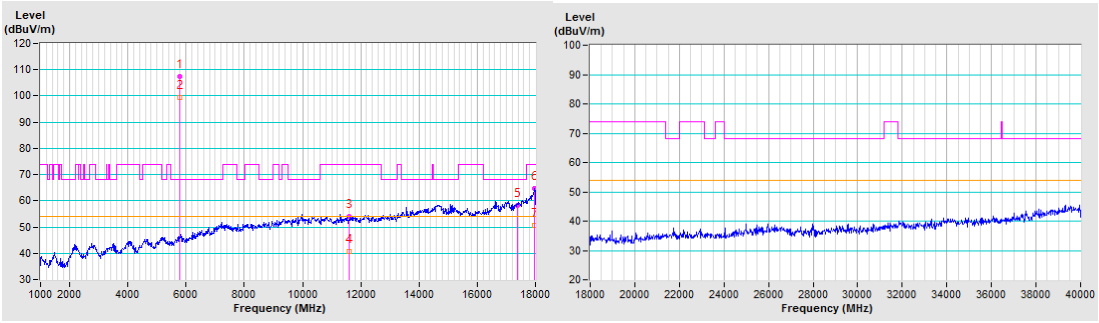


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	107.5 PK			1.41 H	177	104.5	3.0
2	*5795.00	99.4 AV			1.41 H	177	96.4	3.0
3	11590.00	53.9 PK	74.0	-20.1	1.96 H	313	41.5	12.4
4	11590.00	40.8 AV	54.0	-13.2	1.96 H	313	28.4	12.4
5	#17385.00	58.1 PK	68.2	-10.1	1.49 H	226	41.9	16.2
6	17980.03	64.8 PK	74.0	-9.2	1.70 H	143	43.3	21.5
7	17980.03	50.6 AV	54.0	-3.4	1.70 H	143	29.1	21.5

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.

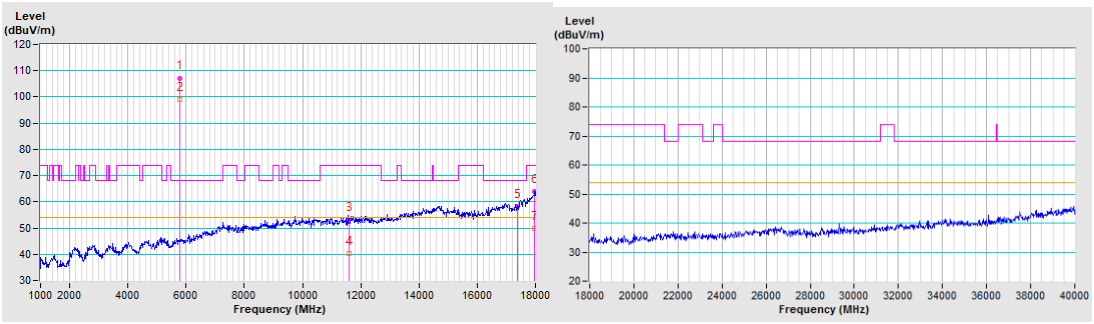


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	107.2 PK			2.85 V	155	104.2	3.0
2	*5795.00	99.0 AV			2.85 V	155	96.0	3.0
3	11590.00	53.4 PK	74.0	-20.6	1.17 V	211	41.0	12.4
4	11590.00	40.2 AV	54.0	-13.8	1.17 V	211	27.8	12.4
5	#17385.00	58.1 PK	68.2	-10.1	1.74 V	163	41.9	16.2
6	17959.20	64.0 PK	74.0	-10.0	1.40 V	260	42.7	21.3
7	17959.20	49.8 AV	54.0	-4.2	1.40 V	260	28.5	21.3

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.



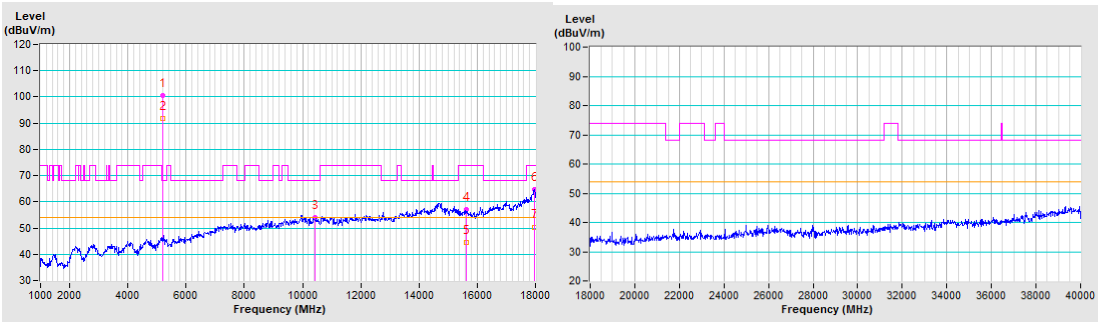
802.11ac (VHT80)

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	*5210.00	100.6 PK			1.51 H	171	98.2	2.4
2	*5210.00	91.7 AV			1.51 H	171	89.3	2.4
3	#10420.00	54.0 PK	68.2	-14.2	2.06 H	324	41.8	12.2
4	15630.00	57.2 PK	74.0	-16.8	1.60 H	218	44.5	12.7
5	15630.00	44.4 AV	54.0	-9.6	1.60 H	218	31.7	12.7
6	17961.33	64.6 PK	74.0	-9.4	1.64 H	128	43.3	21.3
7	17961.33	50.4 AV	54.0	-3.6	1.64 H	128	29.1	21.3

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.

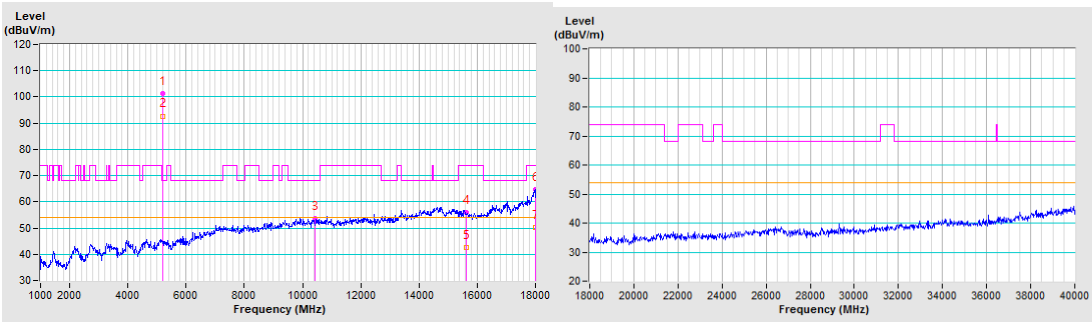


CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5210.00	101.4 PK			2.90 V	156	99.0	2.4
2	*5210.00	92.7 AV			2.90 V	156	90.3	2.4
3	#10420.00	53.6 PK	68.2	-14.6	1.07 V	219	41.4	12.2
4	15630.00	56.0 PK	74.0	-18.0	1.85 V	148	43.3	12.7
5	15630.00	42.6 AV	54.0	-11.4	1.85 V	148	29.9	12.7
6	17997.03	64.6 PK	74.0	-9.4	1.48 V	257	42.7	21.9
7	17997.03	50.3 AV	54.0	-3.7	1.48 V	257	28.4	21.9

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.

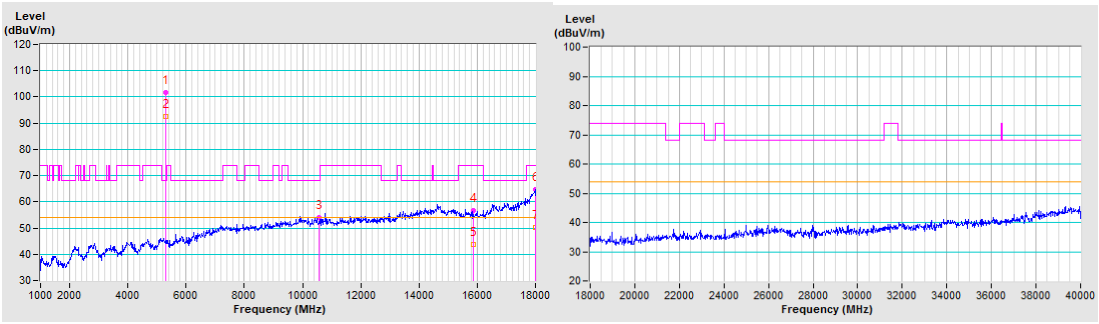


CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	101.8 PK			1.48 H	179	99.7	2.1
2	*5290.00	92.5 AV			1.48 H	179	90.4	2.1
3	#10580.00	54.0 PK	68.2	-14.2	2.03 H	305	42.2	11.8
4	15870.00	56.8 PK	74.0	-17.2	1.54 H	230	45.6	11.2
5	15870.00	43.7 AV	54.0	-10.3	1.54 H	230	32.5	11.2
6	17993.20	64.6 PK	74.0	-9.4	1.65 H	130	42.8	21.8
7	17993.20	50.3 AV	54.0	-3.7	1.65 H	130	28.5	21.8

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.

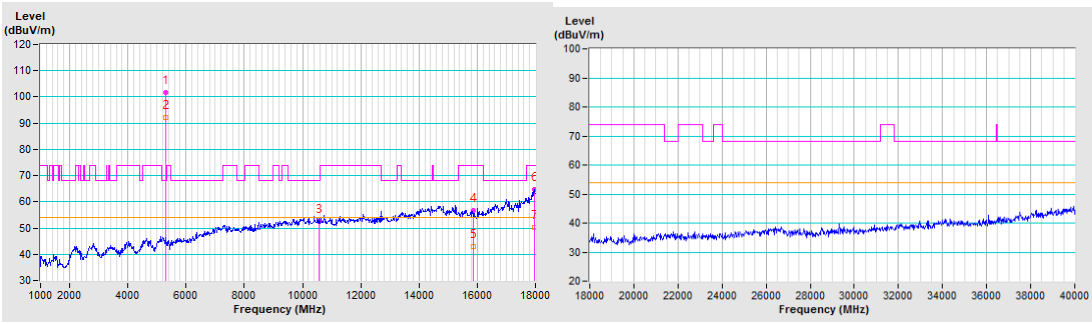


CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	101.6 PK			2.94 V	143	99.5	2.1
2	*5290.00	92.3 AV			2.94 V	143	90.2	2.1
3	#10580.00	52.6 PK	68.2	-15.6	1.15 V	215	40.8	11.8
4	15870.00	56.6 PK	74.0	-17.4	1.84 V	155	45.4	11.2
5	15870.00	42.8 AV	54.0	-11.2	1.84 V	155	31.6	11.2
6	17953.67	64.6 PK	74.0	-9.4	1.39 V	243	43.5	21.1
7	17953.67	50.3 AV	54.0	-3.7	1.39 V	243	29.2	21.1

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.

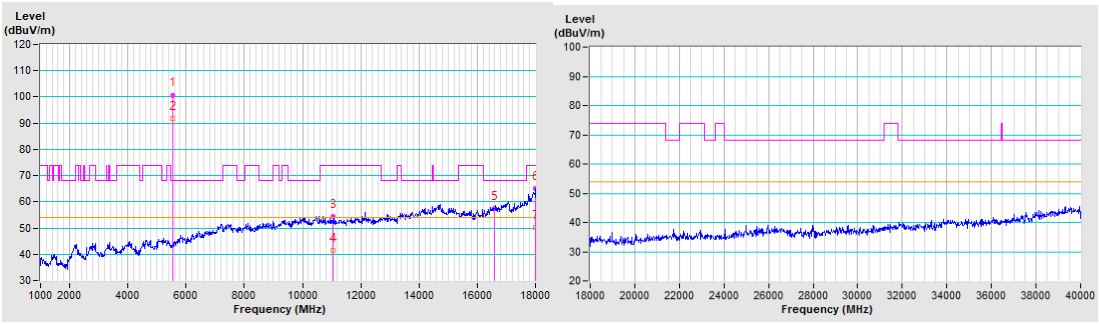


CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: 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	*5530.00	100.7 PK			1.44 H	172	98.1	2.6
2	*5530.00	91.9 AV			1.44 H	172	89.3	2.6
3	11060.00	54.5 PK	74.0	-19.5	1.98 H	310	42.4	12.1
4	11060.00	41.3 AV	54.0	-12.7	1.98 H	310	29.2	12.1
5	#16590.00	57.6 PK	68.2	-10.6	1.56 H	247	43.4	14.2
6	17988.95	64.9 PK	74.0	-9.1	1.65 H	153	43.2	21.7
7	17988.95	50.3 AV	54.0	-3.7	1.65 H	153	28.6	21.7

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.

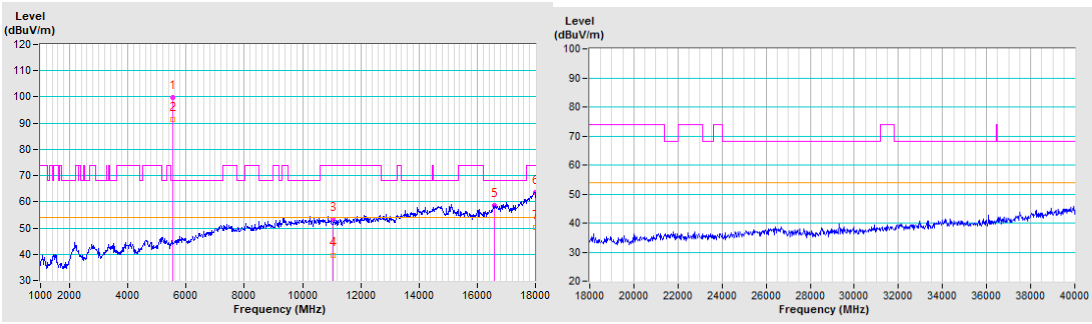


CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5530.00	99.9 PK			2.88 V	151	97.3	2.6
2	*5530.00	91.4 AV			2.88 V	151	88.8	2.6
3	11060.00	53.2 PK	74.0	-20.8	1.09 V	234	41.1	12.1
4	11060.00	39.7 AV	54.0	-14.3	1.09 V	234	27.6	12.1
5	#16590.00	58.6 PK	68.2	-9.6	1.79 V	139	44.4	14.2
6	17991.92	63.7 PK	74.0	-10.3	1.38 V	271	41.9	21.8
7	17991.92	50.1 AV	54.0	-3.9	1.38 V	271	28.3	21.8

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.

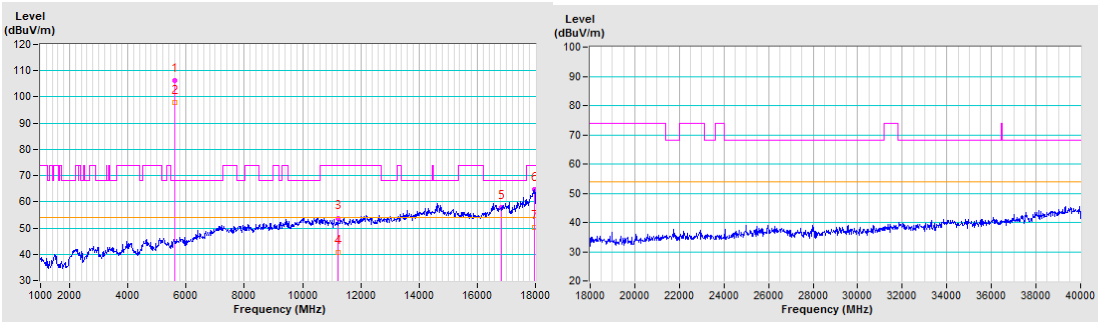


CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	106.1 PK			1.56 H	171	103.3	2.8
2	*5610.00	98.0 AV			1.56 H	171	95.2	2.8
3	11220.00	53.8 PK	74.0	-20.2	1.95 H	295	41.5	12.3
4	11220.00	40.7 AV	54.0	-13.3	1.95 H	295	28.4	12.3
5	#16830.00	57.9 PK	68.2	-10.3	1.52 H	218	43.3	14.6
6	17980.87	64.7 PK	74.0	-9.3	1.67 H	140	43.1	21.6
7	17980.87	50.3 AV	54.0	-3.7	1.67 H	140	28.7	21.6

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.

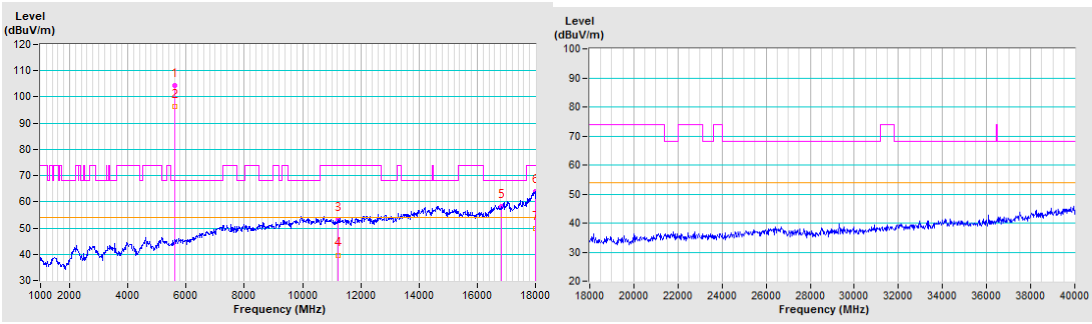


CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	104.5 PK			2.89 V	166	101.7	2.8
2	*5610.00	96.4 AV			2.89 V	166	93.6	2.8
3	11220.00	53.3 PK	74.0	-20.7	1.06 V	207	41.0	12.3
4	11220.00	39.7 AV	54.0	-14.3	1.06 V	207	27.4	12.3
5	#16830.00	58.3 PK	68.2	-9.9	1.79 V	168	43.7	14.6
6	17987.67	63.9 PK	74.0	-10.1	1.44 V	261	42.3	21.6
7	17987.67	49.8 AV	54.0	-4.2	1.44 V	261	28.2	21.6

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.

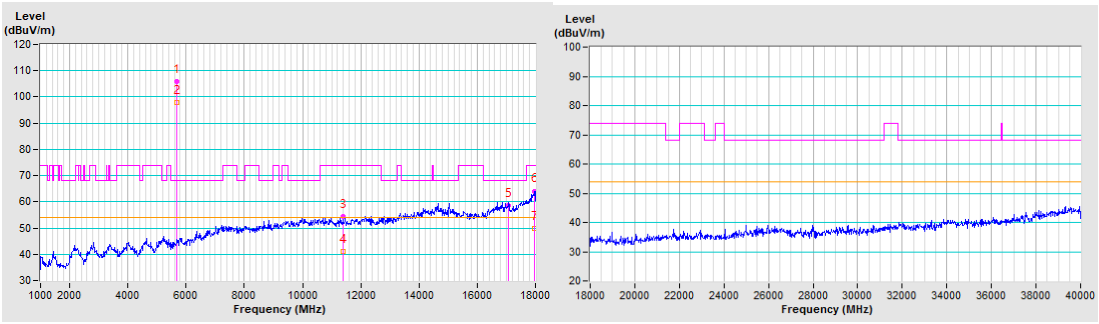


CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5690.00	106.0 PK			1.66 H	172	103.1	2.9
2	*5690.00	97.8 AV			1.66 H	172	94.9	2.9
3	11380.00	54.3 PK	74.0	-19.7	2.02 H	360	41.4	12.9
4	11380.00	41.0 AV	54.0	-13.0	2.02 H	360	28.1	12.9
5	#17070.00	58.6 PK	68.2	-9.6	1.58 H	220	42.5	16.1
6	17977.90	64.1 PK	74.0	-9.9	1.73 H	141	42.6	21.5
7	17977.90	49.7 AV	54.0	-4.3	1.73 H	141	28.2	21.5

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.

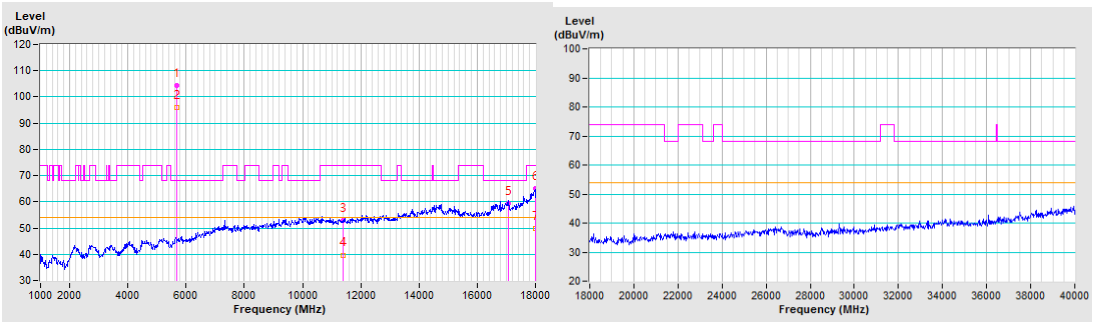


CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5690.00	104.4 PK			2.86 V	156	101.5	2.9
2	*5690.00	96.1 AV			2.86 V	156	93.2	2.9
3	11380.00	52.8 PK	74.0	-21.2	1.11 V	219	39.9	12.9
4	11380.00	39.7 AV	54.0	-14.3	1.11 V	219	26.8	12.9
5	#17070.00	59.3 PK	68.2	-8.9	1.75 V	159	43.2	16.1
6	17992.78	64.9 PK	74.0	-9.1	1.48 V	263	43.1	21.8
7	17992.78	49.7 AV	54.0	-4.3	1.48 V	263	27.9	21.8

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.

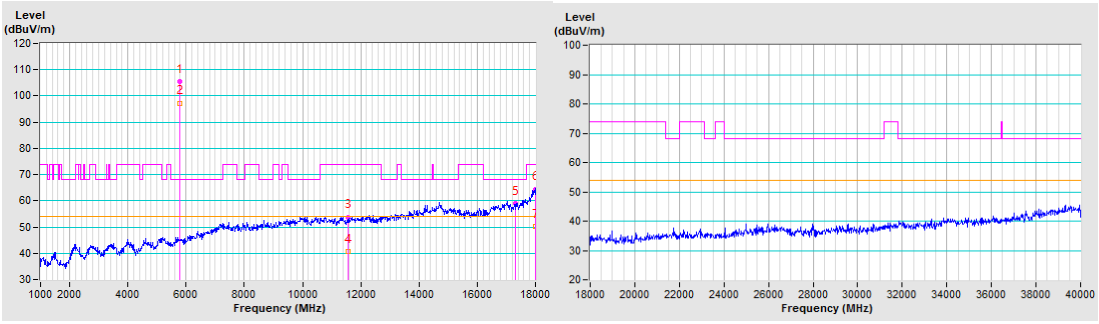


CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5775.00	105.4 PK			1.50 H	174	102.4	3.0
2	*5775.00	97.3 AV			1.50 H	174	94.3	3.0
3	11550.00	53.8 PK	74.0	-20.2	1.99 H	300	41.4	12.4
4	11550.00	40.7 AV	54.0	-13.3	1.99 H	300	28.3	12.4
5	#17325.00	59.1 PK	68.2	-9.1	1.51 H	238	43.4	15.7
6	17993.20	64.5 PK	74.0	-9.5	1.69 H	142	42.7	21.8
7	17993.20	50.3 AV	54.0	-3.7	1.69 H	142	28.5	21.8

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.

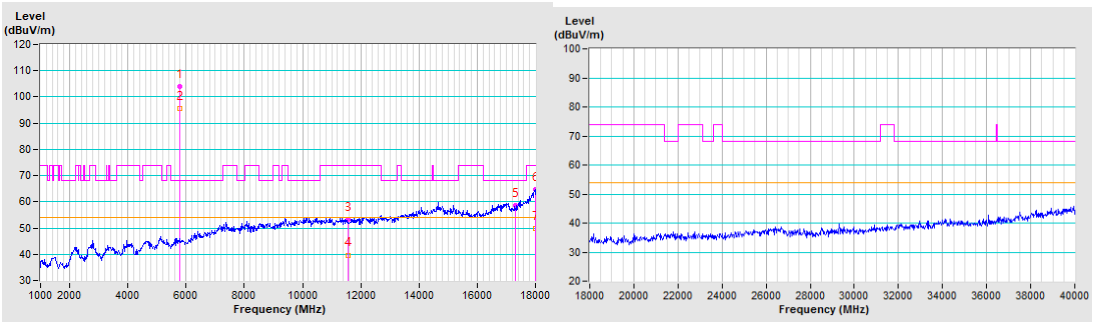


CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

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	*5775.00	104.0 PK			2.94 V	171	101.0	3.0
2	*5775.00	95.5 AV			2.94 V	171	92.5	3.0
3	11550.00	53.2 PK	74.0	-20.8	1.15 V	231	40.8	12.4
4	11550.00	39.7 AV	54.0	-14.3	1.15 V	231	27.3	12.4
5	#17325.00	58.7 PK	68.2	-9.5	1.78 V	164	43.0	15.7
6	17996.60	64.6 PK	74.0	-9.4	1.42 V	268	42.7	21.9
7	17996.60	49.9 AV	54.0	-4.1	1.42 V	268	28.0	21.9

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 for Bandedge above 1GHz

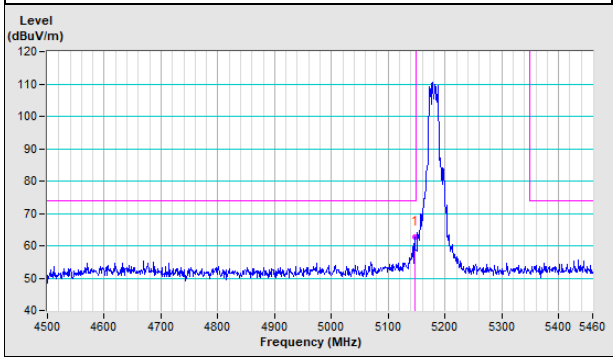
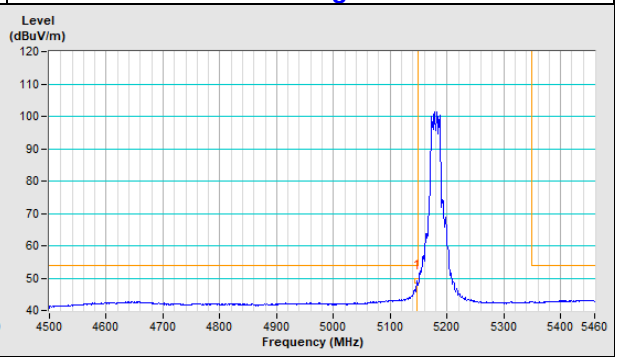
802.11a

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5147.50	62.8 PK	74.0	-11.2	1.32 H	188	60.2	2.6
AV.1	5147.66	49.2 AV	54.0	-4.8	1.32 H	188	46.6	2.6

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

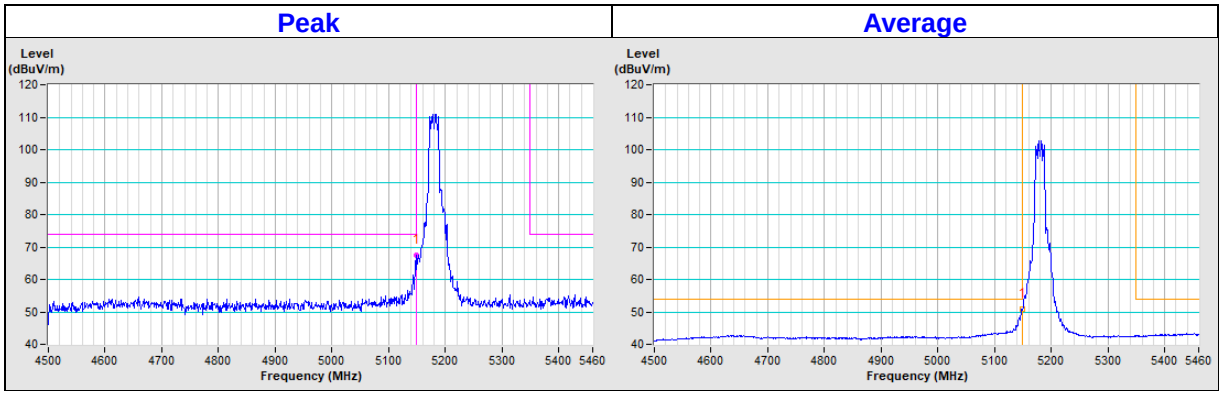
Peak	Average
	

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5148.58	67.4 PK	74.0	-6.6	2.89 V	172	64.8	2.6
AV.1	5148.55	50.9 AV	54.0	-3.1	2.89 V	172	48.3	2.6

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



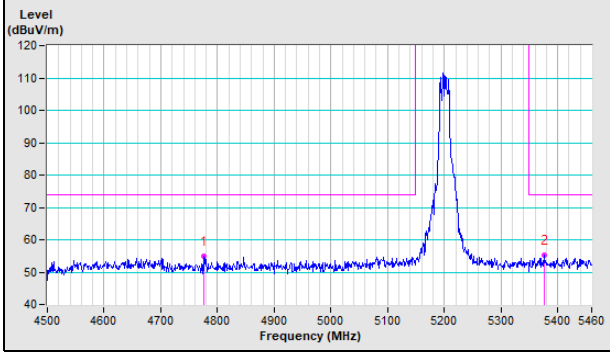
CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	4775.04	54.8 PK	74.0	-19.2	1.28 H	236	53.2	1.6
PK.2	5376.22	55.1 PK	74.0	-18.9	1.28 H	236	52.7	2.4
AV.1	5147.88	44.0 AV	54.0	-10.0	1.28 H	236	41.4	2.6
AV.2	5381.28	42.8 AV	54.0	-11.2	1.28 H	236	40.4	2.4

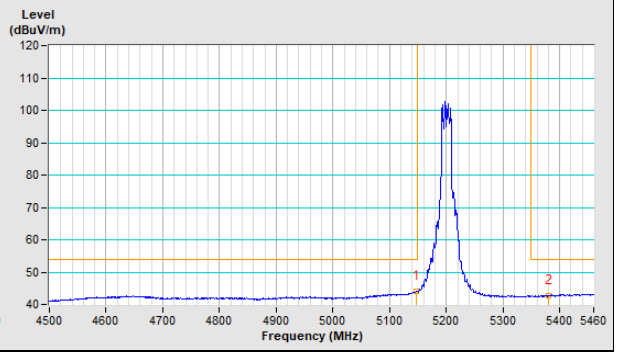
Remarks:

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

Peak



Average



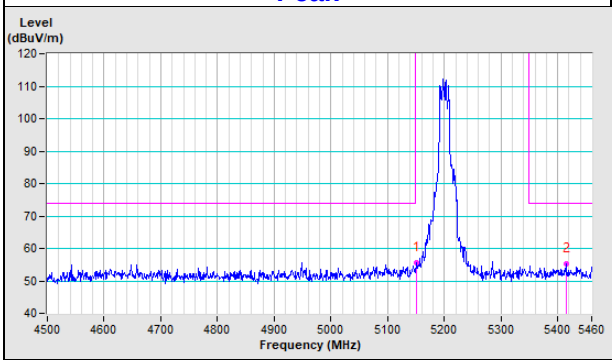
CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	#5150.47	55.6 PK	130.0	-74.4	2.25 V	169	53.0	2.6
PK.2	5415.41	55.2 PK	74.0	-18.8	2.25 V	169	52.7	2.5
AV.1	5148.86	43.9 AV	54.0	-10.1	2.25 V	169	41.3	2.6
AV.2	5450.74	43.1 AV	54.0	-10.9	2.25 V	169	40.4	2.7

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.

Peak



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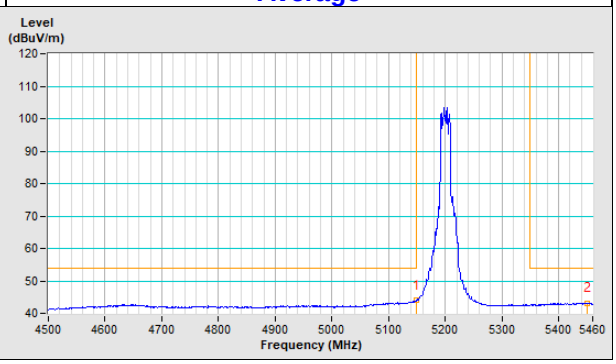


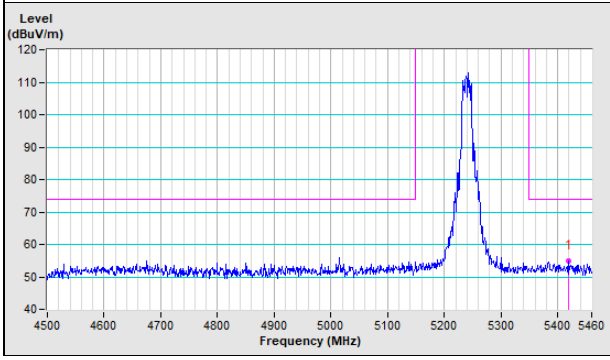
CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5418.34	55.0 PK	74.0	-19.0	1.18 H	238	52.5	2.5
AV.1	5448.96	43.1 AV	54.0	-10.9	1.18 H	238	40.4	2.7

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

Peak



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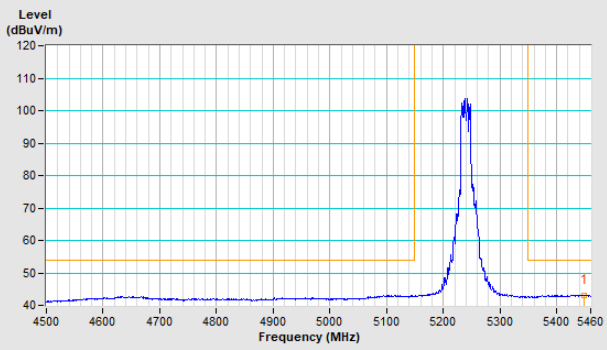
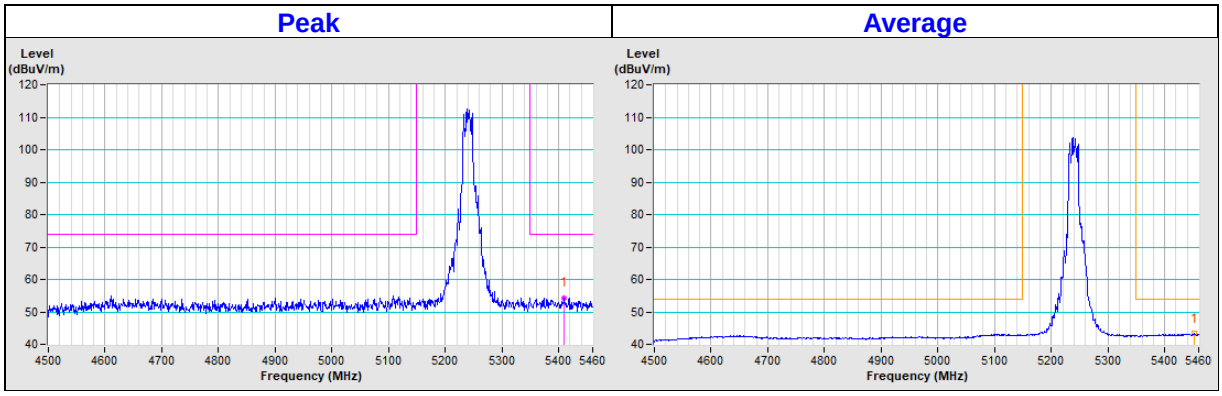


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5410.20	54.3 PK	74.0	-19.7	2.22 V	170	51.8	2.5
AV.1	5452.61	43.3 AV	54.0	-10.7	2.22 V	170	40.6	2.7

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



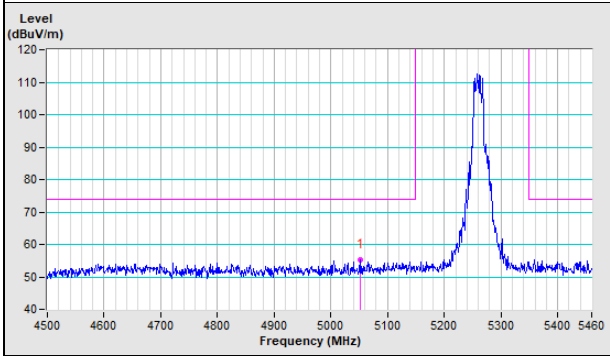
CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5052.29	55.2 PK	74.0	-18.8	1.06 H	238	53.1	2.1
AV.1	5099.86	42.9 AV	54.0	-11.1	1.06 H	238	40.2	2.7

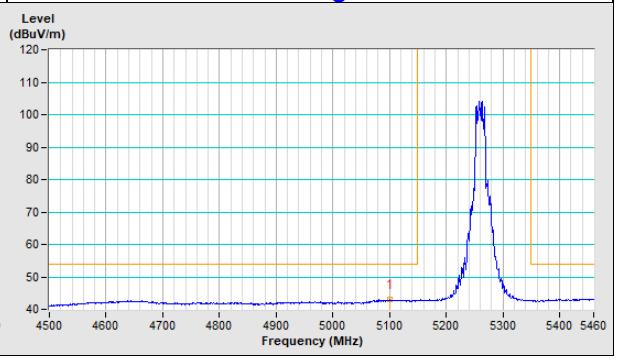
Remarks:

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

Peak



Average



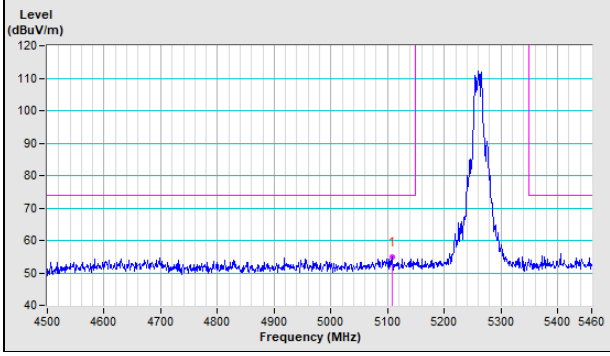
CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5108.30	54.8 PK	74.0	-19.2	2.18 V	173	52.1	2.7
AV.1	5099.54	43.1 AV	54.0	-10.9	2.18 V	173	40.4	2.7

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

Peak



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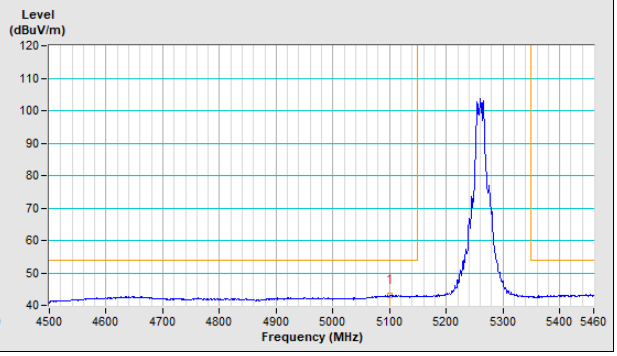
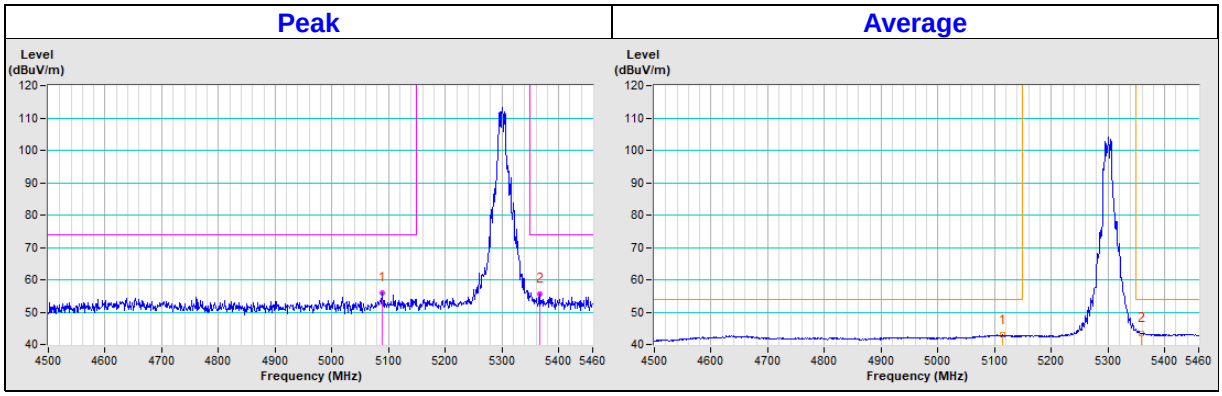


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5089.18	55.9 PK	74.0	-18.1	1.02 H	238	53.3	2.6
PK.2	5365.80	55.6 PK	74.0	-18.4	1.02 H	238	53.2	2.4
AV.1	5113.54	42.9 AV	54.0	-11.1	1.02 H	238	40.2	2.7
AV.2	5358.70	43.5 AV	54.0	-10.5	1.02 H	238	41.1	2.4

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

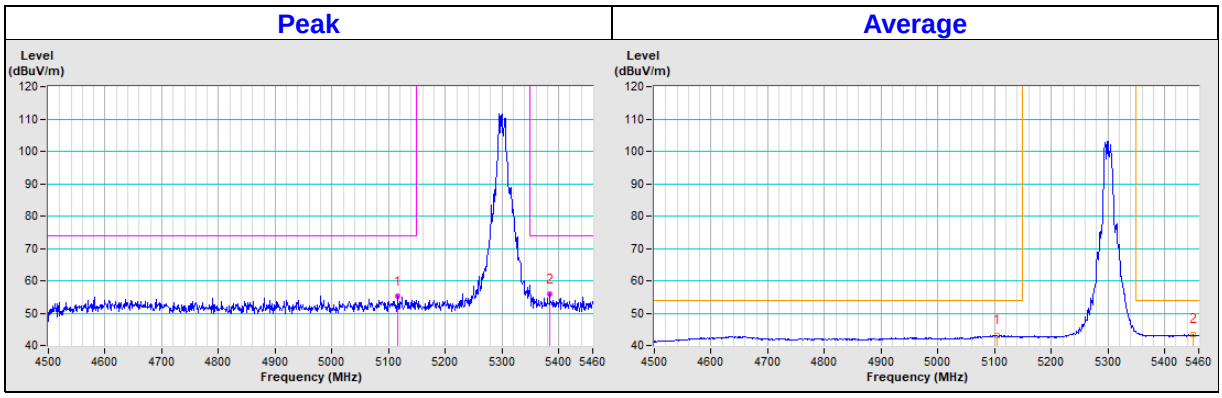


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5116.58	55.1 PK	74.0	-18.9	2.19 V	170	52.4	2.7
PK.2	5384.90	55.8 PK	74.0	-18.2	2.19 V	170	53.4	2.4
AV.1	5105.28	43.1 AV	54.0	-10.9	2.19 V	170	40.4	2.7
AV.2	5450.83	43.5 AV	54.0	-10.5	2.19 V	170	40.8	2.7

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



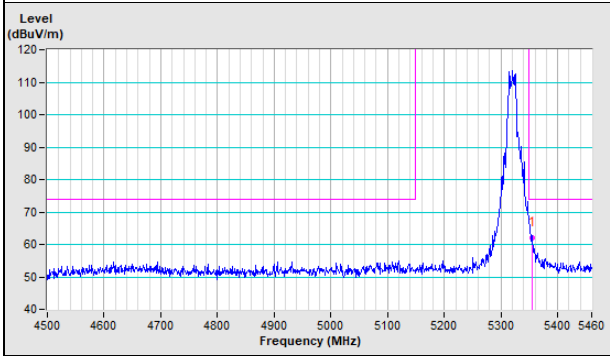
CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5354.30	62.0 PK	74.0	-12.0	1.13 H	236	59.6	2.4
AV.1	5353.08	51.7 AV	54.0	-2.3	1.13 H	236	49.4	2.3

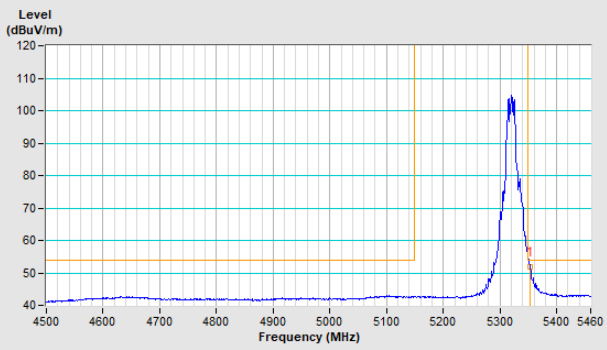
Remarks:

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

Peak



Average

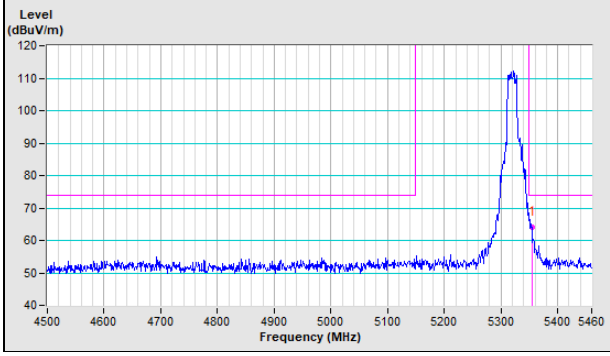
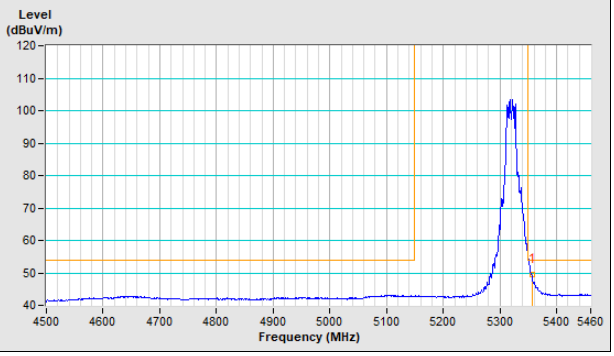


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5354.30	64.1 PK	74.0	-9.9	2.16 V	172	61.7	2.4
AV.1	5356.06	49.6 AV	54.0	-4.4	2.16 V	172	47.2	2.4

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

Peak	Average
	

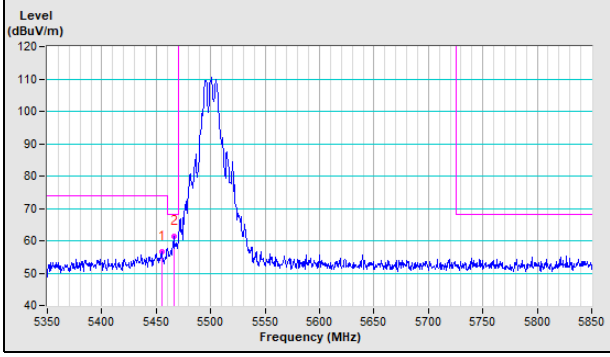
CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5454.98	56.7 PK	74.0	-17.3	1.22 H	235	54.0	2.7
PK.2	#5466.12	61.3 PK	68.2	-6.9	1.22 H	235	58.7	2.6
AV.1	5456.98	46.5 AV	54.0	-7.5	1.22 H	235	43.8	2.7

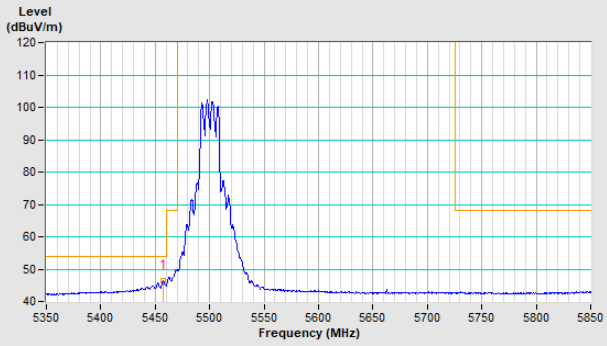
Remarks:

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.

Peak



Average

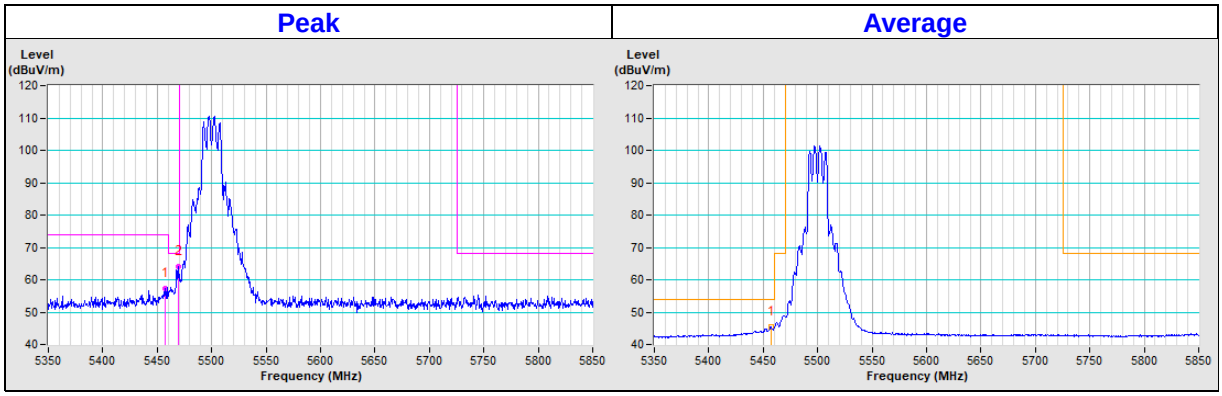


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5457.35	57.3 PK	74.0	-16.7	2.15 V	172	54.6	2.7
PK.2	#5469.85	64.1 PK	68.2	-4.1	2.15 V	172	61.5	2.6
AV.1	5457.36	45.5 AV	54.0	-8.5	2.15 V	172	42.8	2.7

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.

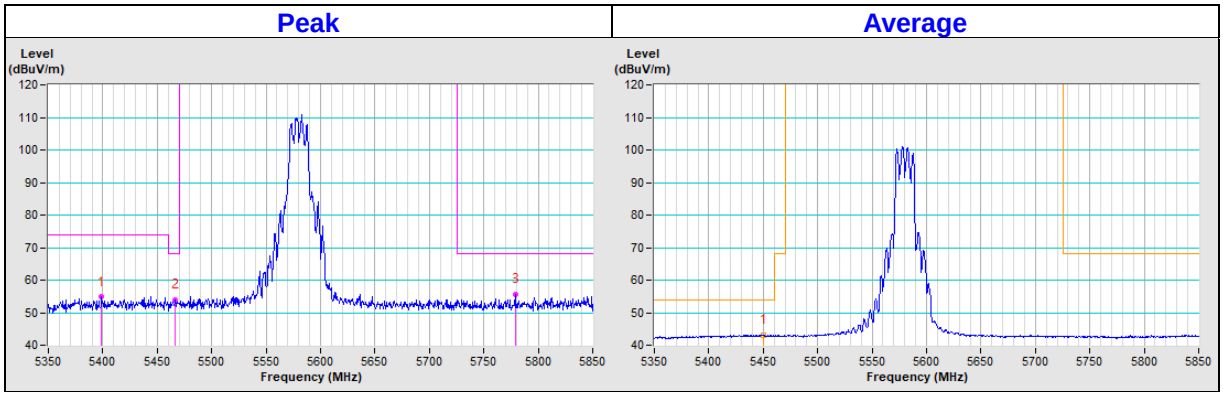


CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5398.90	54.8 PK	74.0	-19.2	1.24 H	234	52.3	2.5
PK.2	#5466.69	53.9 PK	68.2	-14.3	1.24 H	234	51.3	2.6
PK.3	#5778.87	55.7 PK	68.2	-12.5	1.24 H	234	52.6	3.1
AV.1	5449.99	43.1 AV	54.0	-10.9	1.24 H	234	40.4	2.7

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.

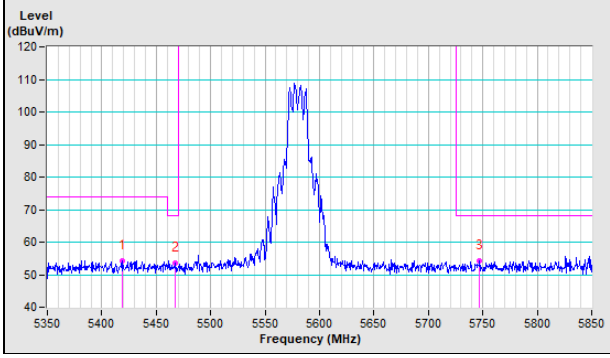
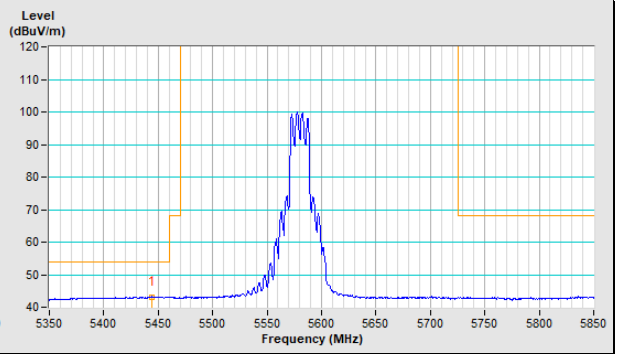


CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5419.32	54.3 PK	74.0	-19.7	2.14 V	169	51.8	2.5
PK.2	#5467.21	53.5 PK	68.2	-14.7	2.14 V	169	50.9	2.6
PK.3	#5746.59	54.3 PK	68.2	-13.9	2.14 V	169	51.4	2.9
AV.1	5443.89	43.2 AV	54.0	-10.8	2.14 V	169	40.5	2.7

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.

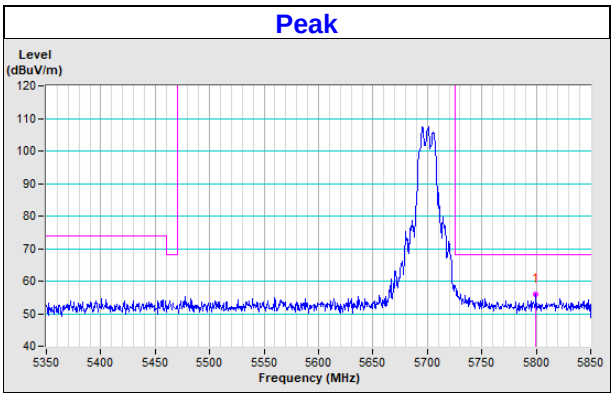
Peak	Average
	

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	#5799.81	55.9 PK	68.2	-12.3	1.22 H	236	52.9	3.0

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.

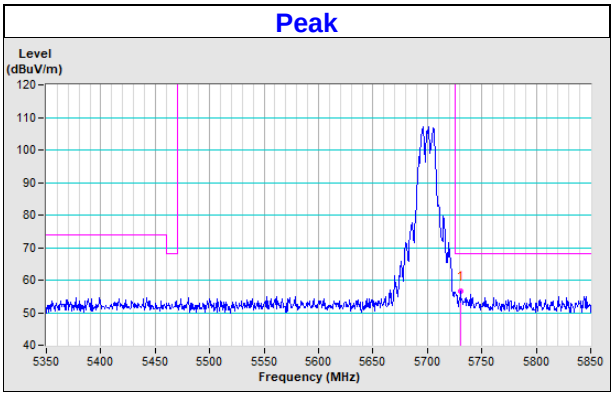


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	#5730.70	56.5 PK	68.2	-11.7	2.21 V	172	53.6	2.9

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.

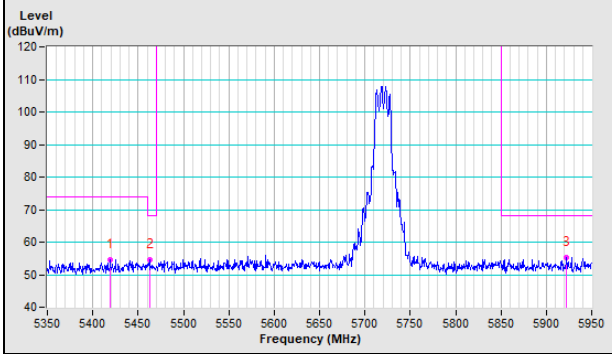
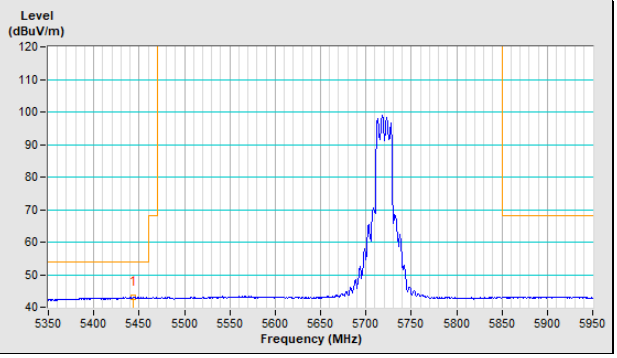


CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5950MHz		

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)
PK.1	5419.45	54.6 PK	74.0	-19.4	1.32 H	235	52.1	2.5
PK.2	#5462.35	54.6 PK	68.2	-13.6	1.32 H	235	52.0	2.6
PK.3	#5922.20	55.2 PK	68.2	-13.0	1.32 H	235	51.8	3.4
AV.1	5443.68	43.2 AV	54.0	-10.8	1.32 H	235	40.5	2.7

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.

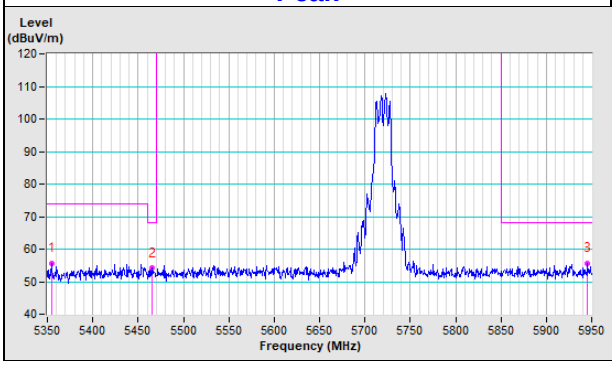
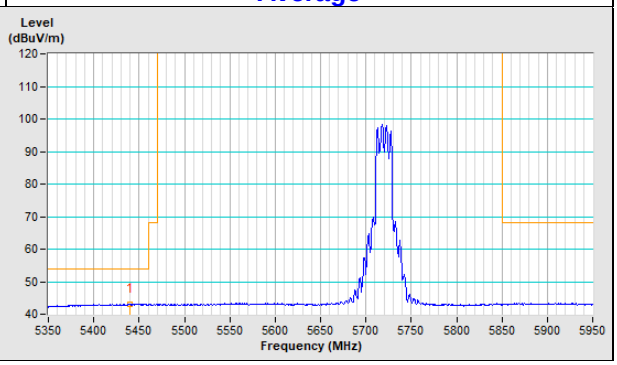
Peak	Average
	

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5950MHz		

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)
PK.1	5354.71	55.7 PK	74.0	-18.3	2.20 V	171	53.3	2.4
PK.2	#5464.78	54.1 PK	68.2	-14.1	2.20 V	171	51.5	2.6
PK.3	#5945.36	55.6 PK	68.2	-12.6	2.20 V	171	52.4	3.2
AV.1	5439.56	43.2 AV	54.0	-10.8	2.20 V	171	40.6	2.6

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.

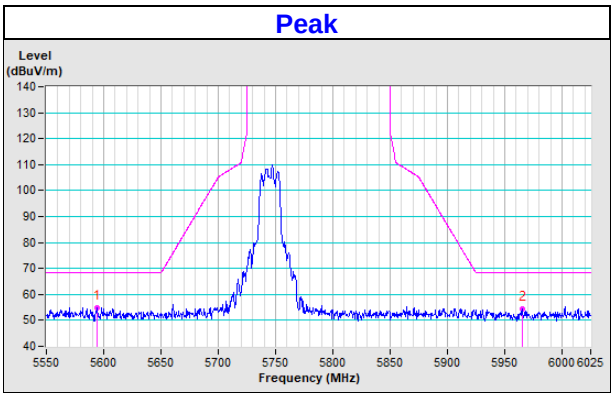
Peak	Average
	

CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5594.13	55.0 PK	68.2	-13.2	1.24 H	282	52.2	2.8
PK.2	#5964.94	54.5 PK	68.2	-13.7	1.24 H	282	51.2	3.3

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.

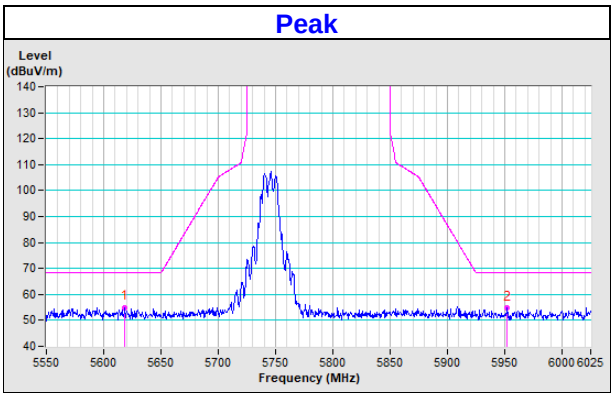


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5618.69	54.9 PK	68.2	-13.3	2.35 V	176	52.1	2.8
PK.2	#5952.06	54.7 PK	68.2	-13.5	2.35 V	176	51.5	3.2

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.

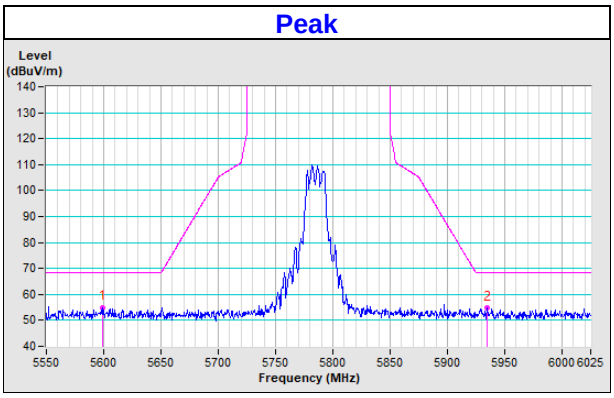


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5599.45	54.8 PK	68.2	-13.4	1.22 H	280	52.0	2.8
PK.2	#5934.27	54.7 PK	68.2	-13.5	1.22 H	280	51.3	3.4

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.

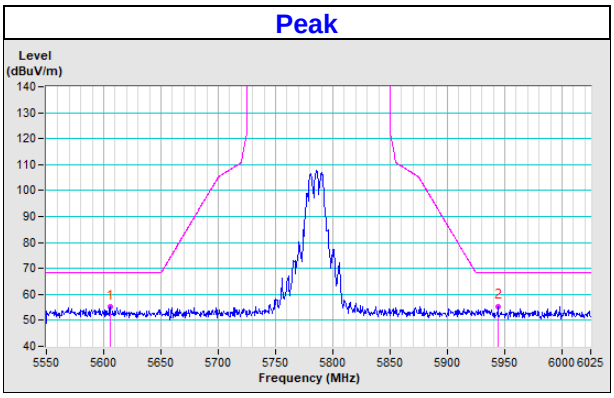


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5605.31	55.1 PK	68.2	-13.1	2.54 V	173	52.3	2.8
PK.2	#5943.86	55.3 PK	68.2	-12.9	2.54 V	173	52.0	3.3

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.

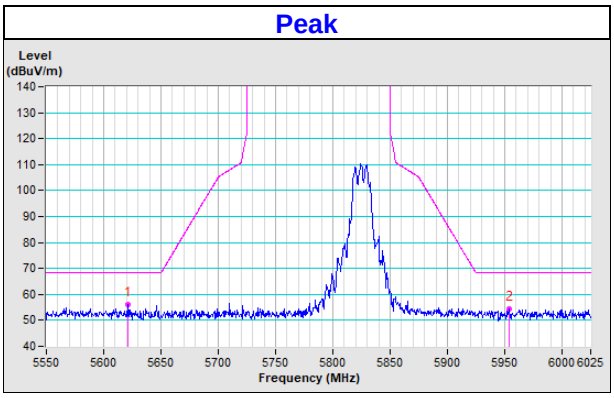


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5621.55	56.0 PK	68.2	-12.2	1.17 H	280	53.2	2.8
PK.2	#5953.75	54.3 PK	68.2	-13.9	1.17 H	280	51.1	3.2

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.

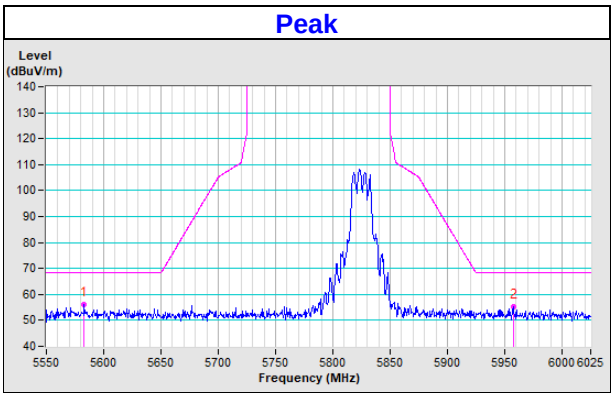


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5583.07	56.2 PK	68.2	-12.0	2.54 V	170	53.4	2.8
PK.2	#5957.79	55.4 PK	68.2	-12.8	2.54 V	170	52.2	3.2

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.



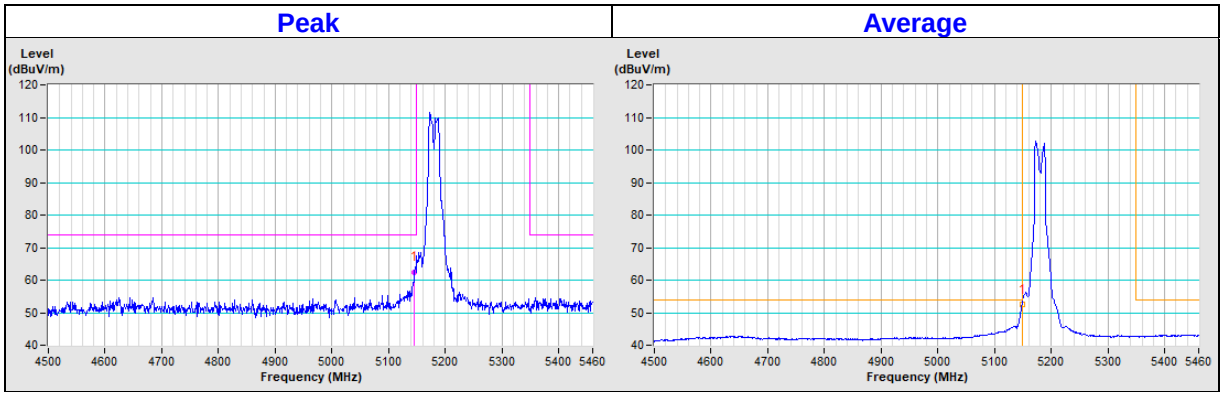
802.11ac (VHT20)

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5146.06	62.4 PK	74.0	-11.6	1.45 H	202	59.8	2.6
AV.1	**5148.62**	**52.4 AV**	**54.0**	**-1.6**	**1.45 H**	**202**	**49.8**	**2.6**

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



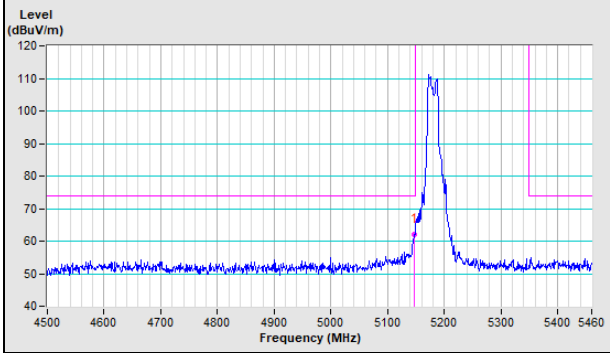
CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5147.66	62.1 PK	74.0	-11.9	3.21 V	167	59.5	2.6
AV.1	5148.72	51.9 AV	54.0	-2.1	3.21 V	167	49.3	2.6

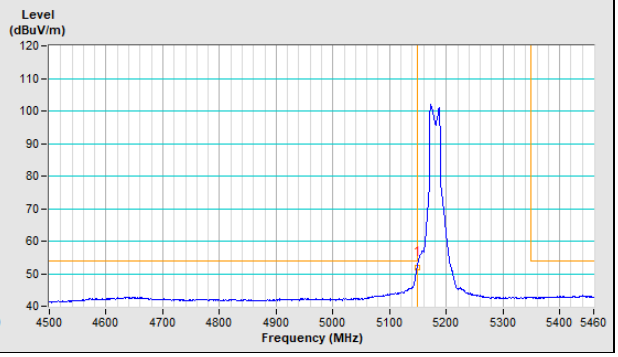
Remarks:

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

Peak



Average

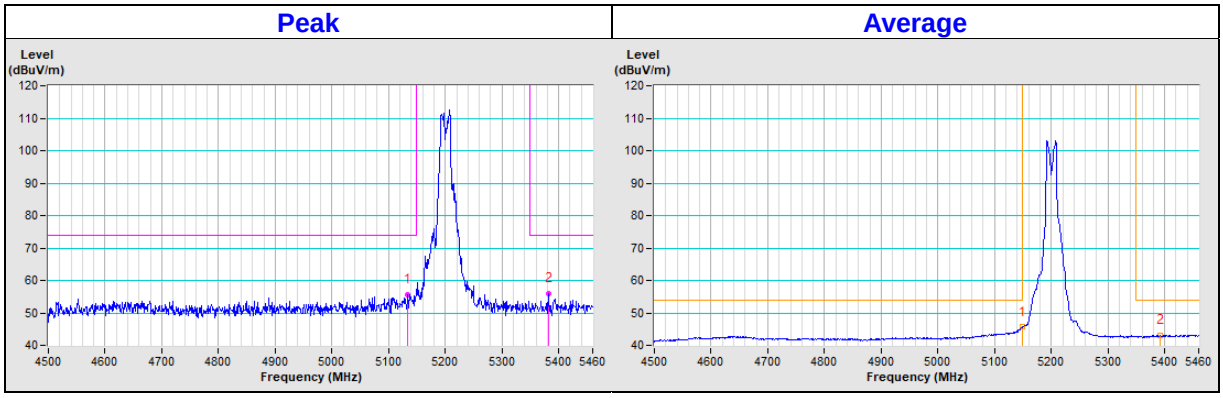


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5132.74	55.6 PK	74.0	-18.4	1.37 H	199	52.9	2.7
PK.2	5382.00	56.0 PK	74.0	-18.0	1.37 H	199	53.6	2.4
AV.1	5148.41	45.6 AV	54.0	-8.4	1.37 H	199	43.0	2.6
AV.2	5392.27	43.0 AV	54.0	-11.0	1.37 H	199	40.5	2.5

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

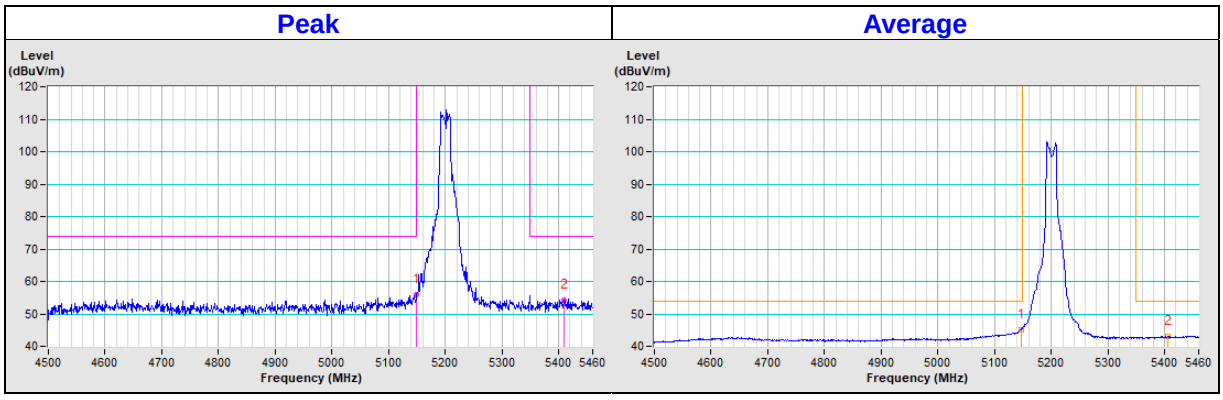


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5149.80	55.9 PK	74.0	-18.1	3.00 V	167	53.3	2.6
PK.2	5408.95	54.3 PK	74.0	-19.7	3.00 V	167	51.8	2.5
AV.1	5147.06	45.2 AV	54.0	-8.8	3.00 V	167	42.6	2.6
AV.2	5405.71	43.0 AV	54.0	-11.0	3.00 V	167	40.5	2.5

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



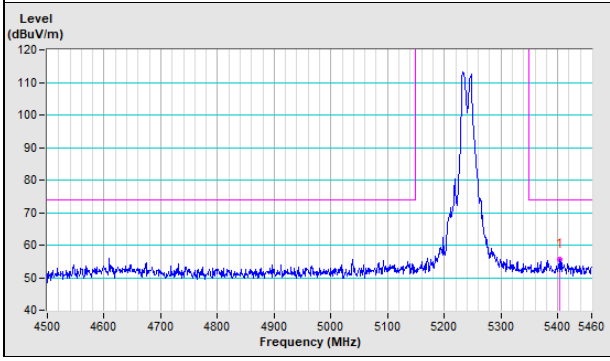
CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5403.62	55.6 PK	74.0	-18.4	1.30 H	205	53.1	2.5
AV.1	5383.01	43.1 AV	54.0	-10.9	1.30 H	205	40.7	2.4

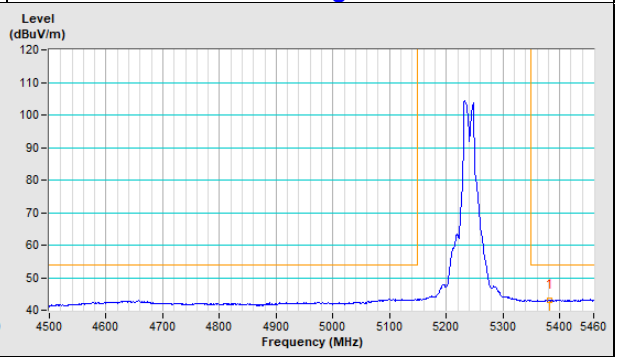
Remarks:

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

Peak



Average

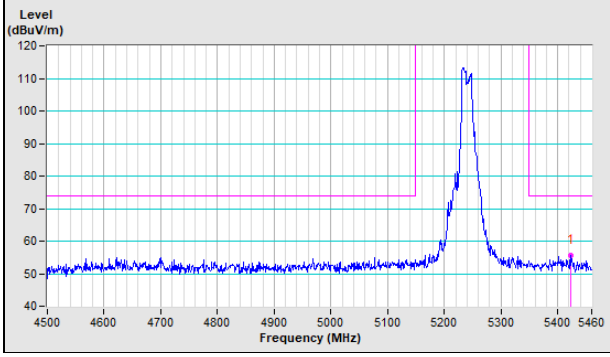
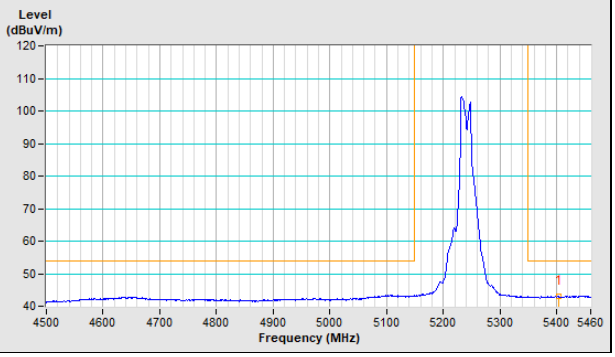


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5422.46	55.6 PK	74.0	-18.4	2.90 V	161	53.1	2.5
AV.1	5402.74	43.0 AV	54.0	-11.0	2.90 V	161	40.5	2.5

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

Peak	Average
	

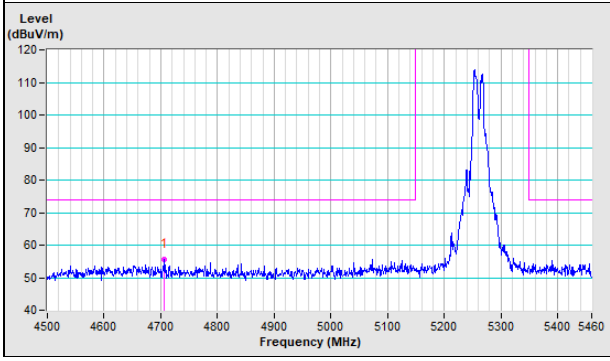
CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	4706.76	55.7 PK	74.0	-18.3	1.14 H	232	53.9	1.8
AV.1	5146.20	43.3 AV	54.0	-10.7	1.14 H	232	40.7	2.6

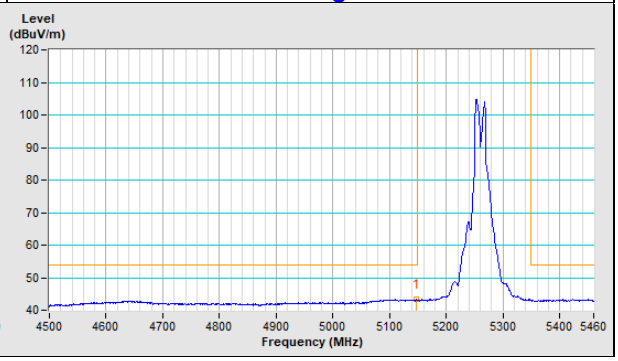
Remarks:

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

Peak



Average

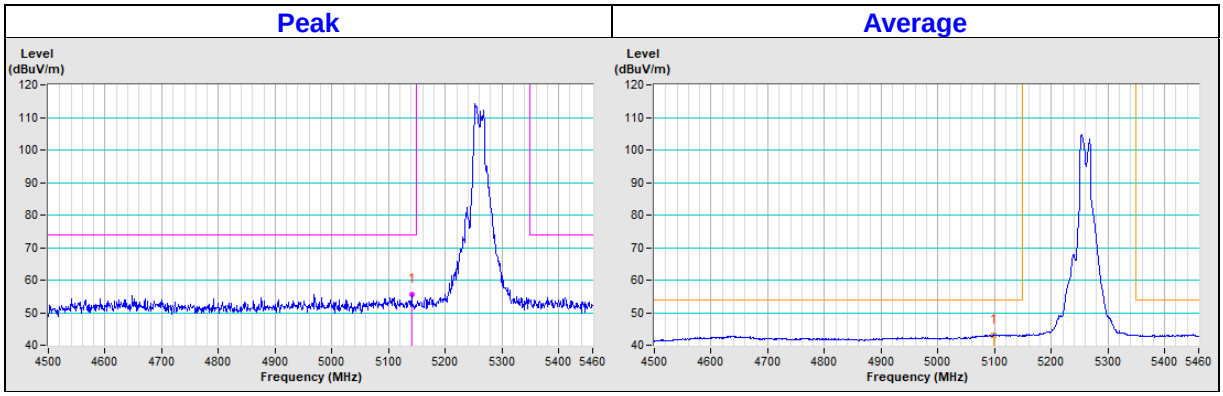


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5141.14	55.7 PK	74.0	-18.3	2.90 V	161	53.1	2.6
AV.1	5099.45	43.2 AV	54.0	-10.8	2.90 V	161	40.5	2.7

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



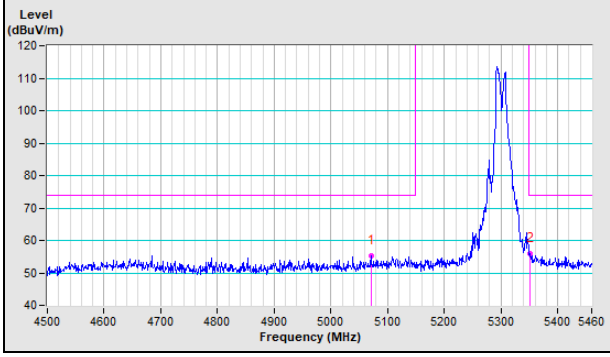
CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5070.77	55.3 PK	74.0	-18.7	1.19 H	233	52.9	2.4
PK.2	5351.86	56.0 PK	74.0	-18.0	1.19 H	233	53.7	2.3
AV.1	5107.51	43.3 AV	54.0	-10.7	1.19 H	233	40.6	2.7
AV.2	5361.77	44.0 AV	54.0	-10.0	1.19 H	233	41.6	2.4

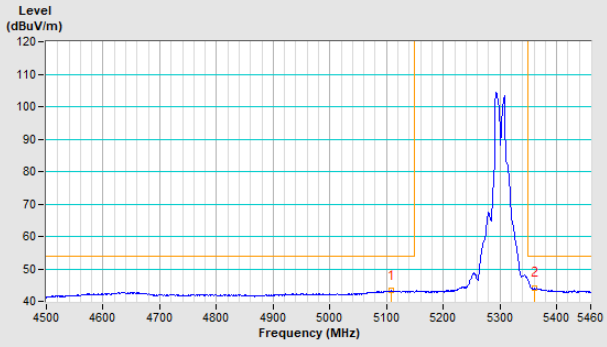
Remarks:

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

Peak



Average

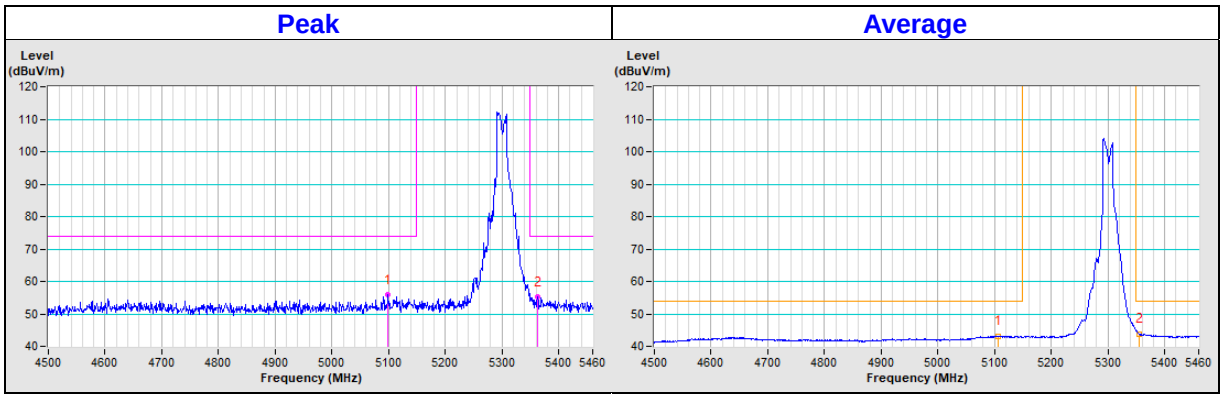


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5099.06	55.8 PK	74.0	-18.2	2.76 V	165	53.1	2.7
PK.2	5362.94	55.1 PK	74.0	-18.9	2.76 V	165	52.7	2.4
AV.1	5107.20	43.1 AV	54.0	-10.9	2.76 V	165	40.4	2.7
AV.2	5354.38	43.8 AV	54.0	-10.2	2.76 V	165	41.4	2.4

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



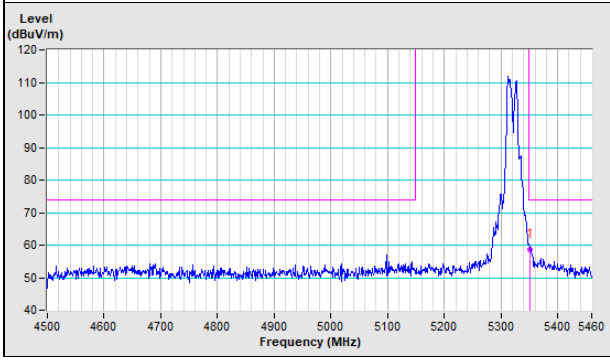
CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5352.10	58.8 PK	74.0	-15.2	1.13 H	233	56.5	2.3
AV.1	5351.86	48.9 AV	54.0	-5.1	1.13 H	233	46.6	2.3

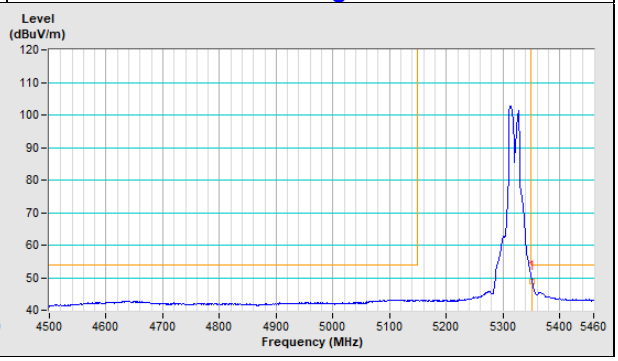
Remarks:

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

Peak



Average

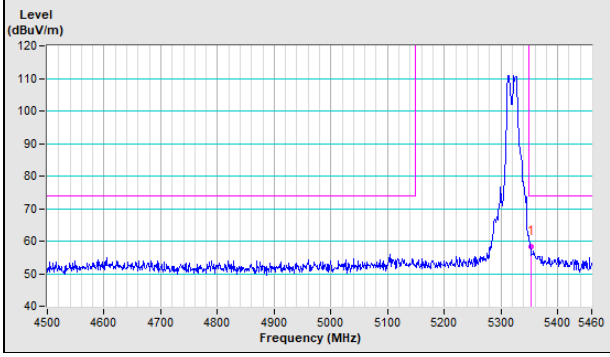
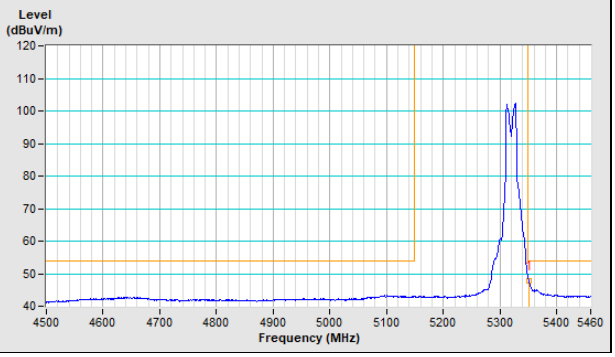


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5353.70	58.4 PK	74.0	-15.6	2.28 V	173	56.0	2.4
AV.1	5351.02	47.7 AV	54.0	-6.3	2.28 V	173	45.4	2.3

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

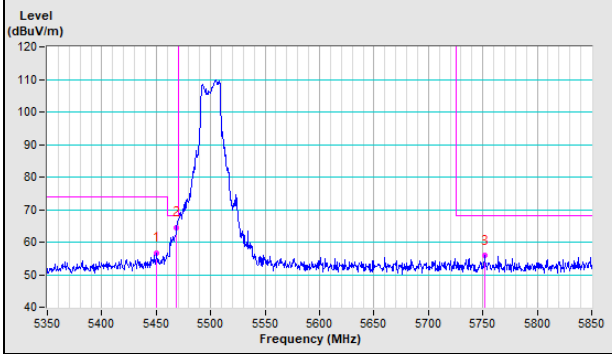
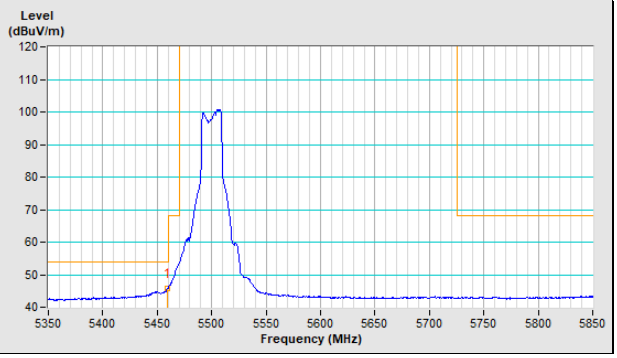
Peak	Average
	

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5450.02	56.6 PK	74.0	-17.4	1.04 H	272	53.9	2.7
PK.2	#5468.48	64.4 PK	68.2	-3.8	1.04 H	272	61.8	2.6
PK.3	#5751.85	55.8 PK	68.2	-12.4	1.04 H	272	52.9	2.9
AV.1	5459.49	45.6 AV	54.0	-8.4	1.04 H	272	42.9	2.7

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.

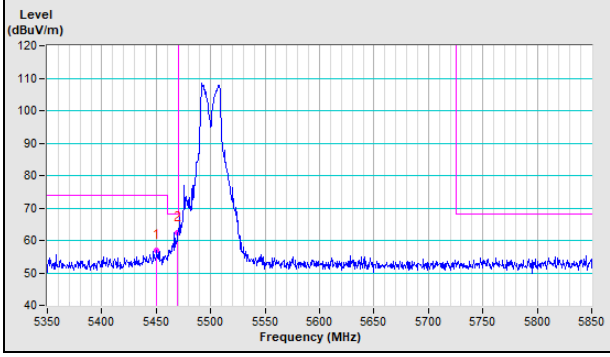
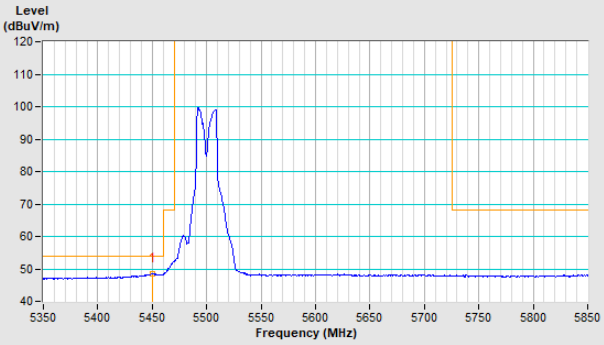
Peak	Average
	

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5450.61	57.1 PK	74.0	-16.9	2.20 V	167	54.4	2.7
PK.2	#5469.09	62.4 PK	68.2	-5.8	2.20 V	167	59.8	2.6
AV.1	5450.31	48.5 AV	54.0	-5.5	2.20 V	167	45.8	2.7

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.

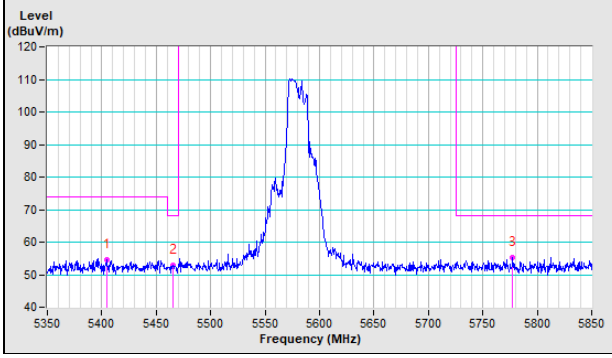
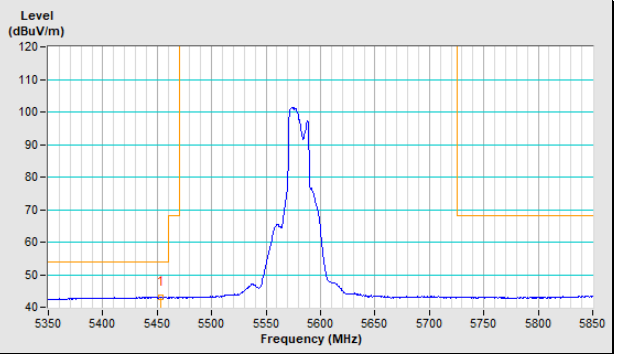
Peak	Average
	

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5404.16	54.5 PK	74.0	-19.5	1.06 H	256	52.0	2.5
PK.2	#5465.64	53.0 PK	68.2	-15.2	1.06 H	256	50.4	2.6
PK.3	#5777.14	55.2 PK	68.2	-13.0	1.06 H	256	52.2	3.0
AV.1	5453.23	43.1 AV	54.0	-10.9	1.06 H	256	40.4	2.7

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.

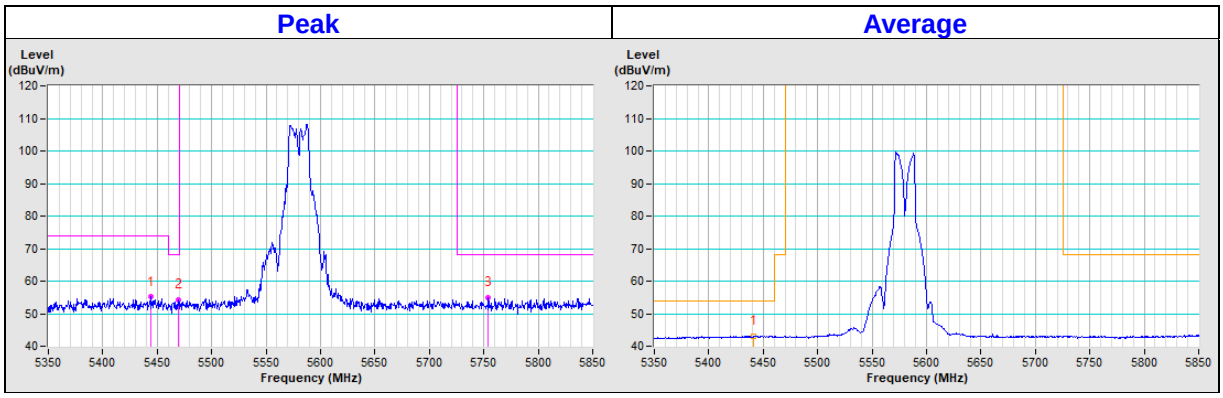
Peak	Average
	

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5443.64	55.1 PK	74.0	-18.9	2.58 V	174	52.4	2.7
PK.2	#5468.99	54.2 PK	68.2	-14.0	2.58 V	174	51.6	2.6
PK.3	#5753.56	55.0 PK	68.2	-13.2	2.58 V	174	52.1	2.9
AV.1	5440.75	43.1 AV	54.0	-10.9	2.58 V	174	40.5	2.6

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.

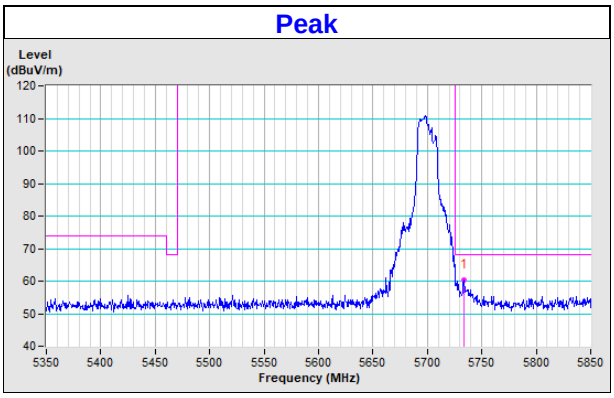


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	#5733.75	60.4 PK	68.2	-7.8	1.02 H	250	57.5	2.9

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.

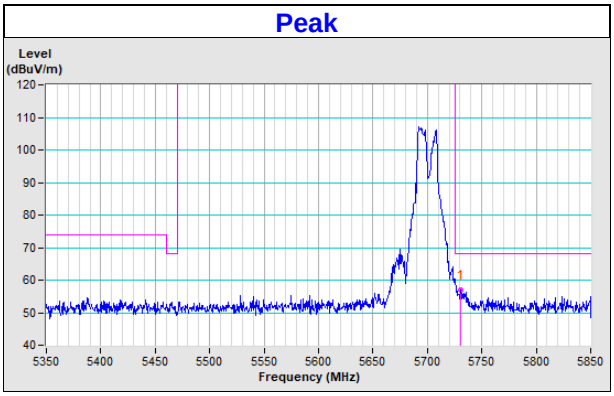


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	#5730.14	56.8 PK	68.2	-11.4	2.94 V	168	53.9	2.9

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.

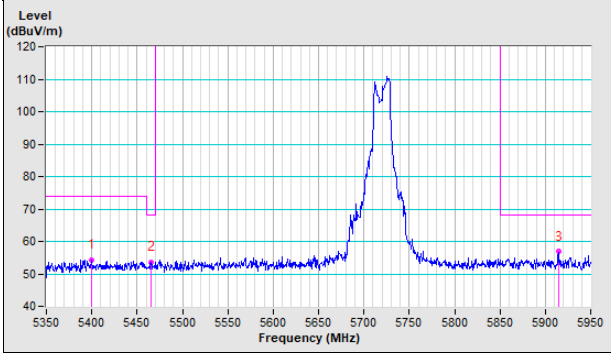
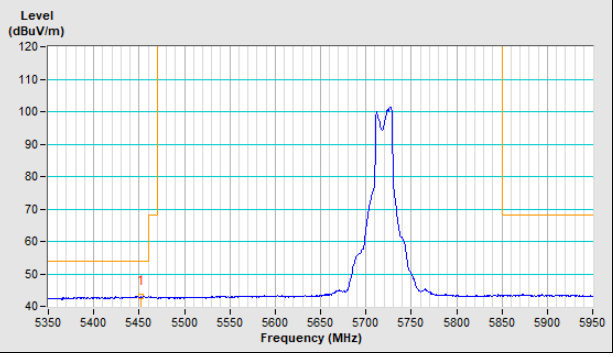


CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5950MHz		

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)
PK.1	5399.86	54.4 PK	74.0	-19.6	1.08 H	276	51.9	2.5
PK.2	#5465.76	53.5 PK	68.2	-14.7	1.08 H	276	50.9	2.6
PK.3	#5914.36	56.8 PK	68.2	-11.4	1.08 H	276	53.4	3.4
AV.1	5452.21	43.1 AV	54.0	-10.9	1.08 H	276	40.4	2.7

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.

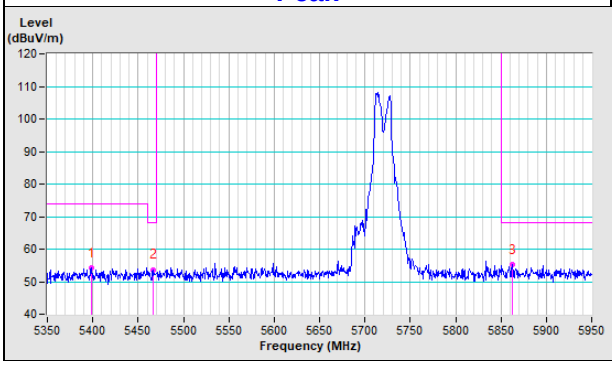
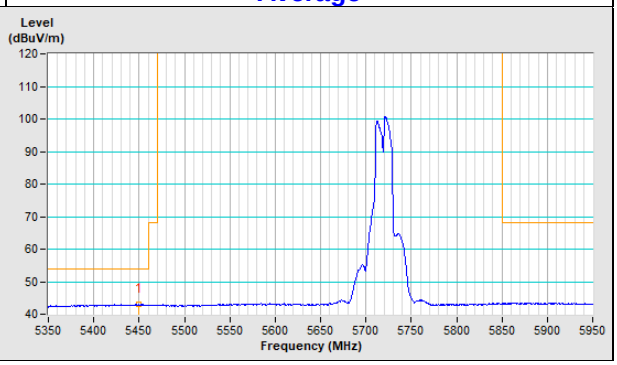
Peak	Average
	

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5950MHz		

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)
PK.1	5398.93	54.1 PK	74.0	-19.9	3.17 V	172	51.6	2.5
PK.2	#5467.10	53.7 PK	68.2	-14.5	3.17 V	172	51.1	2.6
PK.3	#5862.67	55.1 PK	68.2	-13.1	3.17 V	172	51.8	3.3
AV.1	5449.19	43.1 AV	54.0	-10.9	3.17 V	172	40.4	2.7

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.

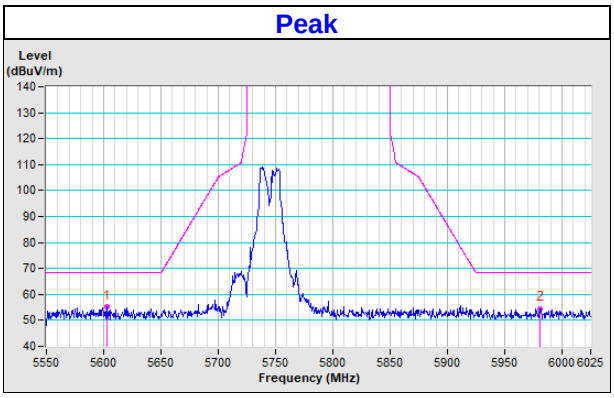
Peak	Average
	

CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5602.56	55.1 PK	68.2	-13.1	1.50 H	199	52.3	2.8
PK.2	#5980.75	54.6 PK	68.2	-13.6	1.50 H	199	51.4	3.2

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.

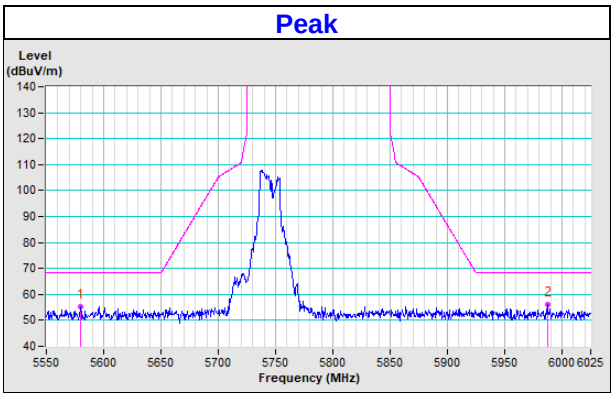


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5579.49	55.4 PK	68.2	-12.8	3.16 V	171	52.6	2.8
PK.2	#5987.21	56.1 PK	68.2	-12.1	3.16 V	171	52.9	3.2

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.

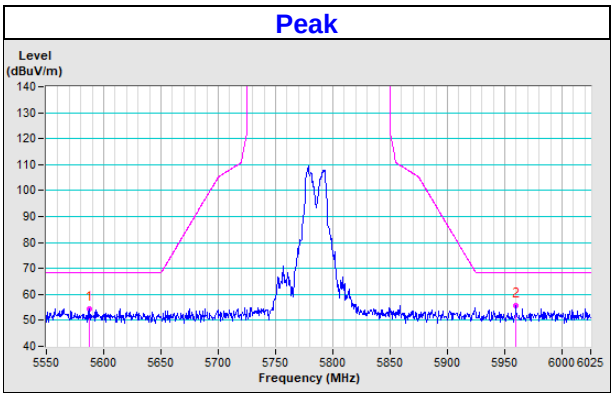


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5587.37	54.6 PK	68.2	-13.6	1.51 H	195	51.8	2.8
PK.2	#5959.88	55.6 PK	68.2	-12.6	1.51 H	195	52.4	3.2

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.

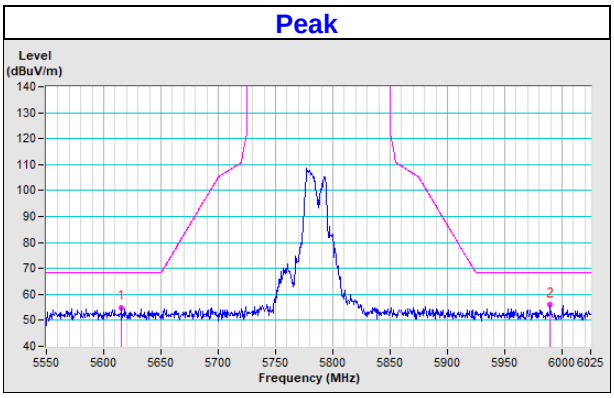


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5615.37	54.9 PK	68.2	-13.3	2.29 V	165	52.1	2.8
PK.2	#5989.90	55.9 PK	68.2	-12.3	2.99 V	165	52.7	3.2

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.

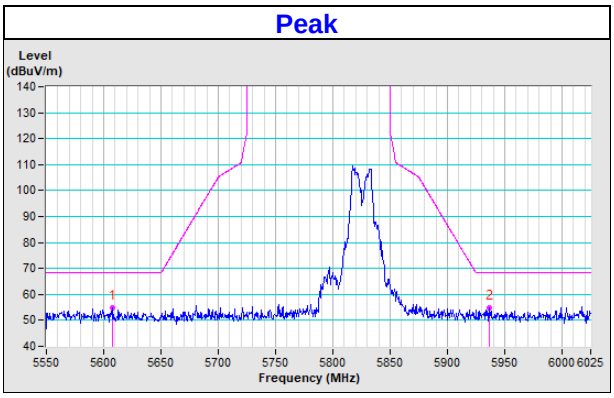


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5607.34	54.8 PK	68.2	-13.4	1.47 H	198	52.0	2.8
PK.2	#5936.76	54.8 PK	68.2	-13.4	1.47 H	198	51.4	3.4

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.

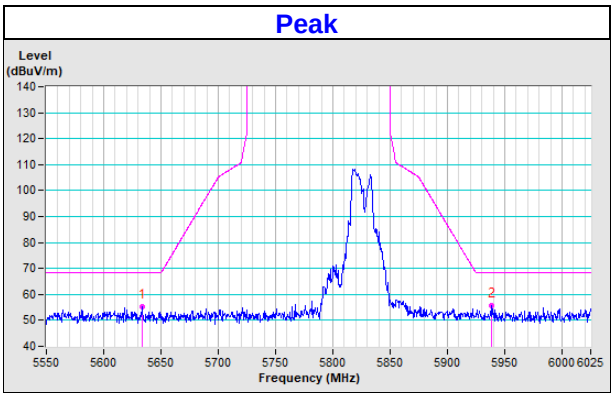


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5633.52	55.3 PK	68.2	-12.9	2.93 V	164	52.5	2.8
PK.2	#5938.74	55.6 PK	68.2	-12.6	2.93 V	164	52.2	3.4

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.



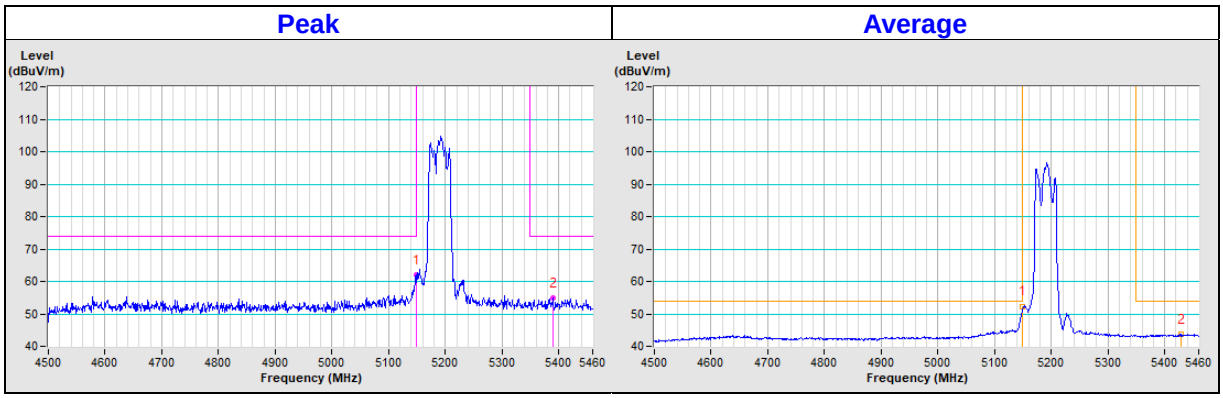
802.11ac (VHT40)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5148.34	61.9 PK	74.0	-12.1	1.49 H	174	59.3	2.6
PK.2	5390.78	54.8 PK	74.0	-19.2	1.49 H	174	52.3	2.5
AV.1	5150.00	52.3 AV	54.0	-1.7	1.49 H	174	49.7	2.6
AV.2	5428.87	43.6 AV	54.0	-10.4	1.49 H	174	41.1	2.5

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

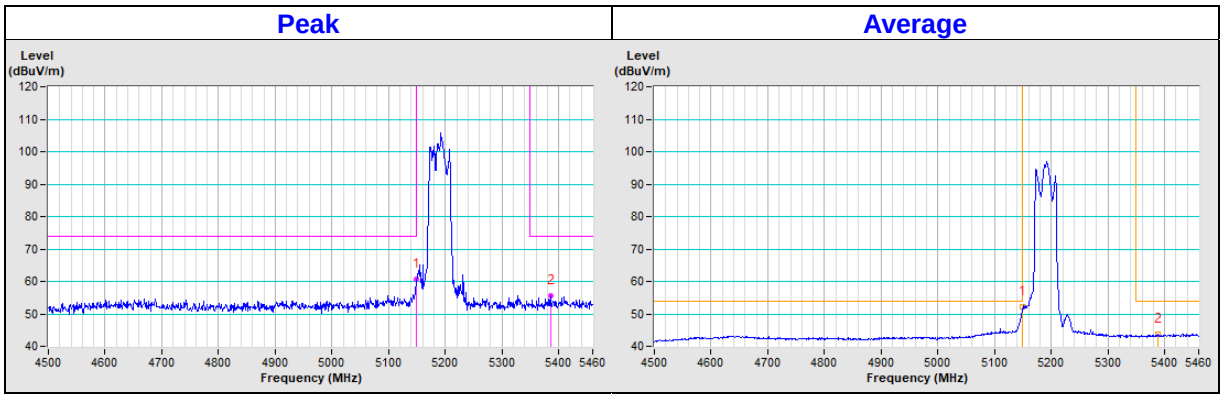


CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5150.00	60.8 PK	74.0	-13.2	2.91 V	160	58.2	2.6
PK.2	5385.50	55.6 PK	74.0	-18.4	2.91 V	160	53.2	2.4
AV.1	5150.00	52.2 AV	54.0	-1.8	2.91 V	160	49.6	2.6
AV.2	5387.98	43.7 AV	54.0	-10.3	2.91 V	160	41.2	2.5

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

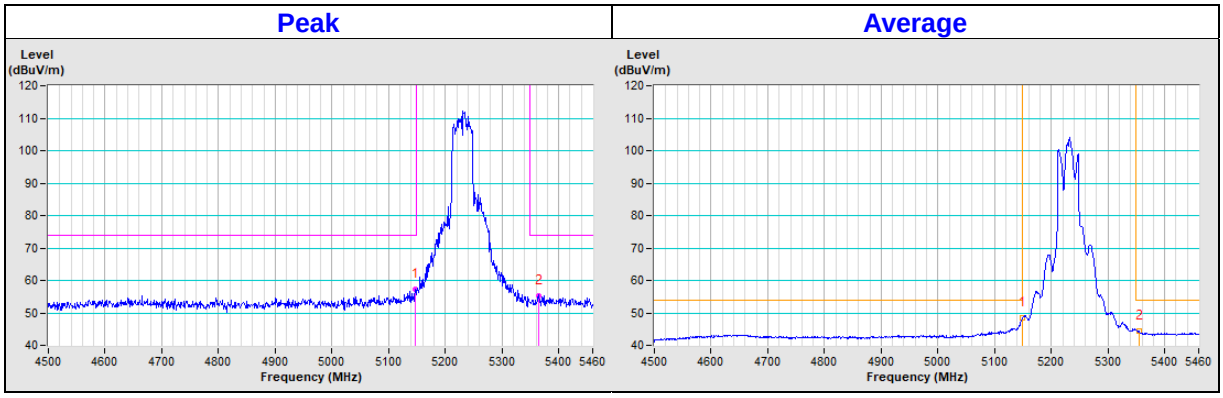


CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5147.06	57.3 PK	74.0	-16.7	1.52 H	184	54.7	2.6
PK.2	5364.96	55.4 PK	74.0	-18.6	1.52 H	184	53.0	2.4
AV.1	5150.00	48.4 AV	54.0	-5.6	1.52 H	184	45.8	2.6
AV.2	5355.82	44.4 AV	54.0	-9.6	1.52 H	184	42.0	2.4

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



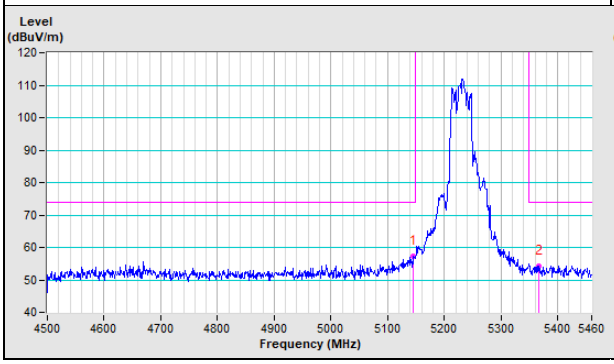
CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5146.03	57.4 PK	74.0	-16.6	3.05 V	161	54.8	2.6
PK.2	5367.60	54.4 PK	74.0	-19.6	3.05 V	161	52.0	2.4
AV.1	5150.00	47.8 AV	54.0	-6.2	3.05 V	161	45.2	2.6
AV.2	5353.51	43.5 AV	54.0	-10.5	3.05 V	161	41.1	2.4

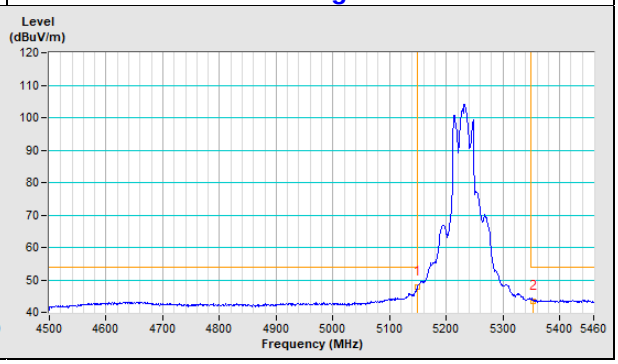
Remarks:

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

Peak



Average



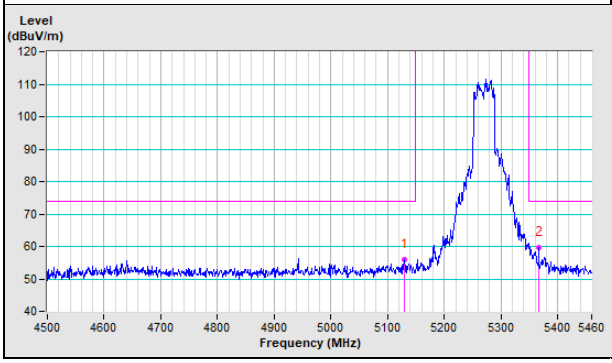
CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5129.81	55.9 PK	74.0	-18.1	1.49 H	192	53.2	2.7
PK.2	5366.23	59.8 PK	74.0	-14.2	1.49 H	192	57.4	2.4
AV.1	5149.01	44.0 AV	54.0	-10.0	1.49 H	192	41.4	2.6
AV.2	5350.00	48.9 AV	54.0	-5.1	1.49 H	192	46.6	2.3

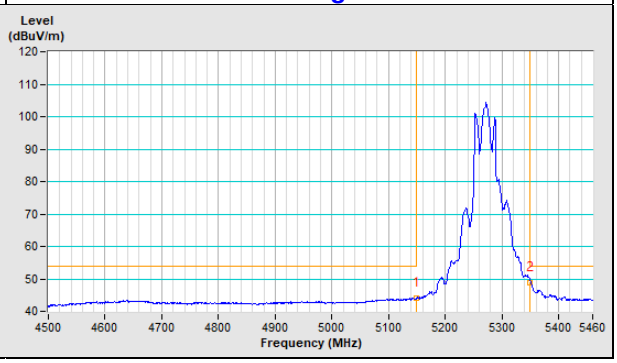
Remarks:

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

Peak



Average

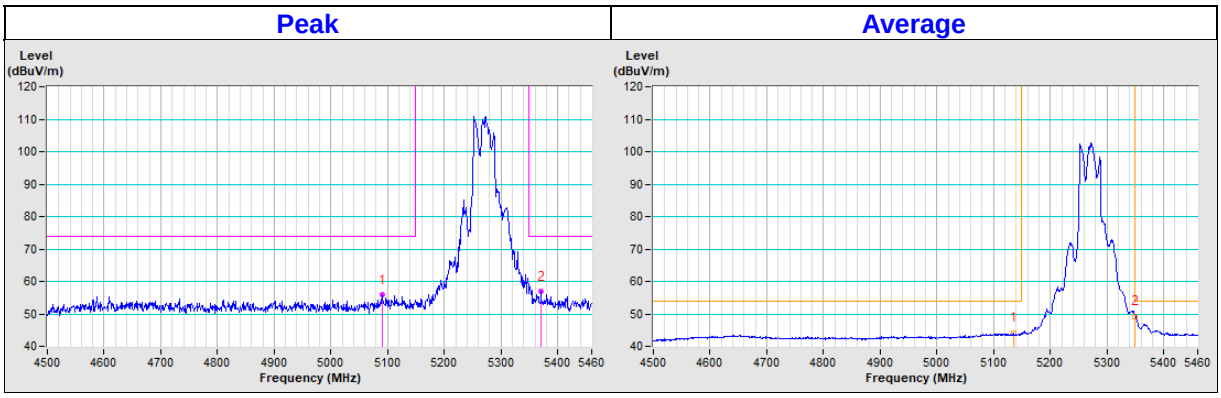


CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5090.11	55.8 PK	74.0	-18.2	3.02 V	171	53.2	2.6
PK.2	5370.02	56.8 PK	74.0	-17.2	3.02 V	171	54.4	2.4
AV.1	5136.10	44.0 AV	54.0	-10.0	3.02 V	171	41.4	2.6
AV.2	5350.00	49.3 AV	54.0	-4.7	3.02 V	171	47.0	2.3

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

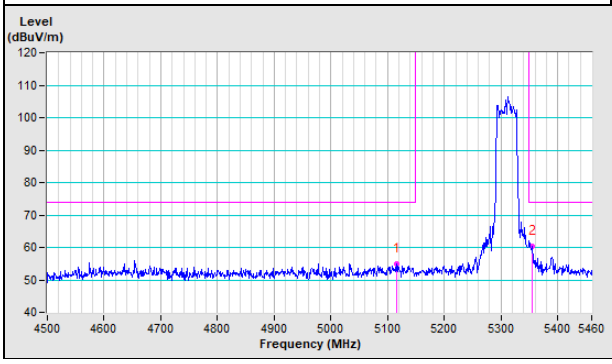
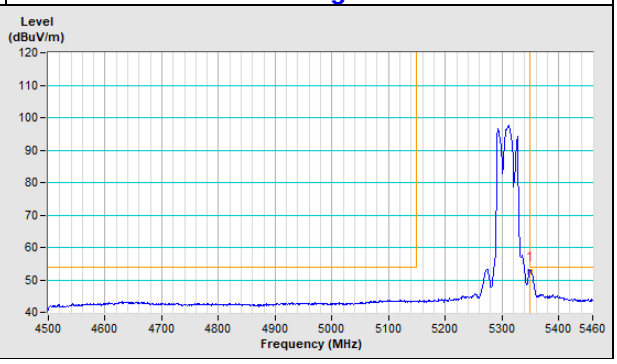


CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5116.68	54.9 PK	74.0	-19.1	1.47 H	201	52.2	2.7
PK.2	5355.14	60.3 PK	74.0	-13.7	1.47 H	201	57.9	2.4
AV.1	**5350.00**	**52.4 AV**	**54.0**	**-1.6**	**1.47 H**	**201**	**50.1**	**2.3**

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

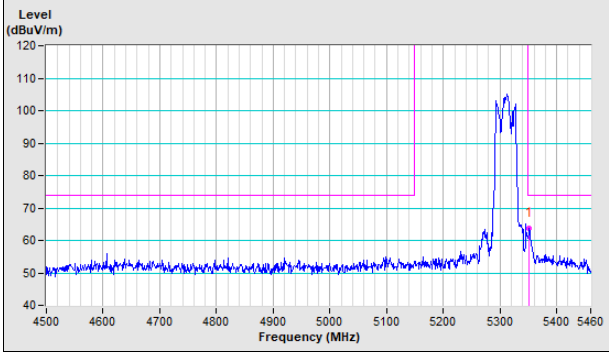
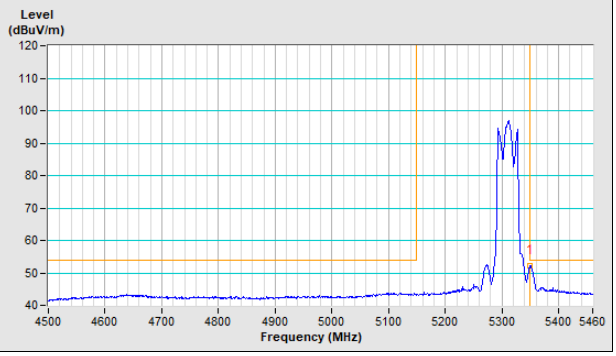
Peak	Average
	

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5351.81	63.7 PK	74.0	-10.3	2.97 V	168	61.4	2.3
AV.1	5350.00	52.2 AV	54.0	-1.8	2.97 V	168	49.9	2.3

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

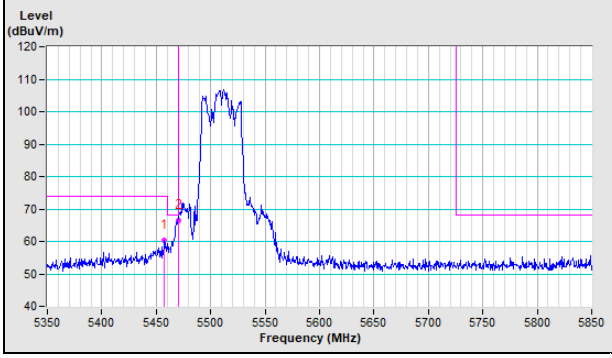
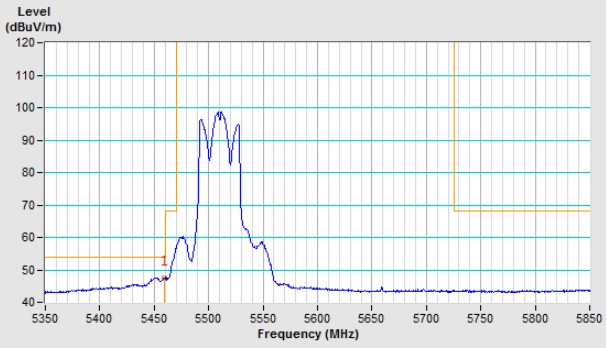
Peak	Average
	

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5457.43	60.3 PK	74.0	-13.7	1.64 H	173	57.6	2.7
PK.2	**#5470.00**	**66.6 PK**	**68.2**	**-1.6**	**1.64 H**	**173**	**64.0**	**2.6**
AV.1	5459.00	47.6 AV	54.0	-6.4	1.64 H	173	44.9	2.7

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.

Peak	Average
	

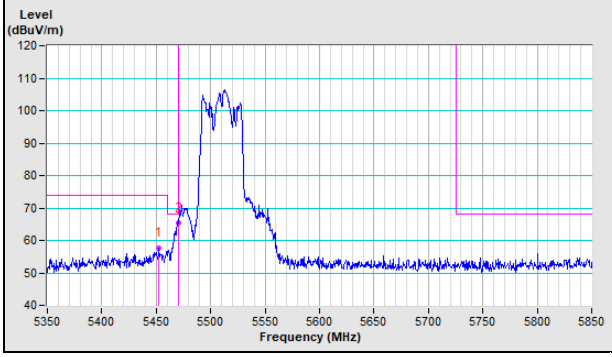
CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5452.51	57.6 PK	74.0	-16.4	2.79 V	158	54.9	2.7
PK.2	#5470.00	65.3 PK	68.2	-2.9	2.79 V	158	62.7	2.6
AV.1	5458.49	46.4 AV	54.0	-7.6	2.79 V	158	43.7	2.7

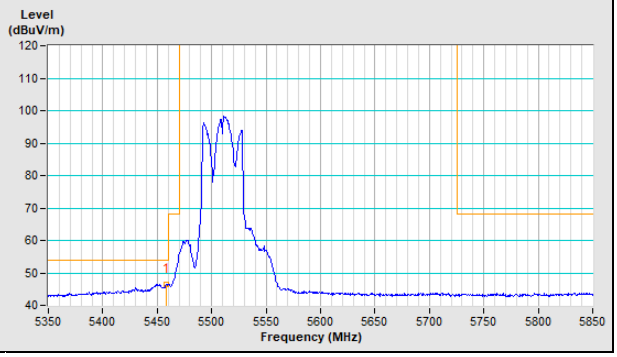
Remarks:

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.

Peak



Average



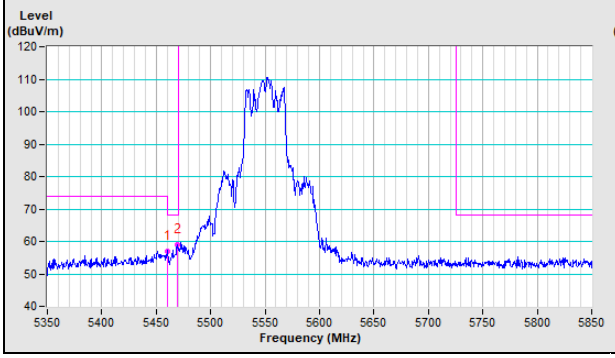
CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5459.84	57.1 PK	74.0	-16.9	1.59 H	173	54.4	2.7
PK.2	#5469.29	58.9 PK	68.2	-9.3	1.59 H	173	56.3	2.6
AV.1	5454.25	45.7 AV	54.0	-8.3	1.59 H	173	43.0	2.7

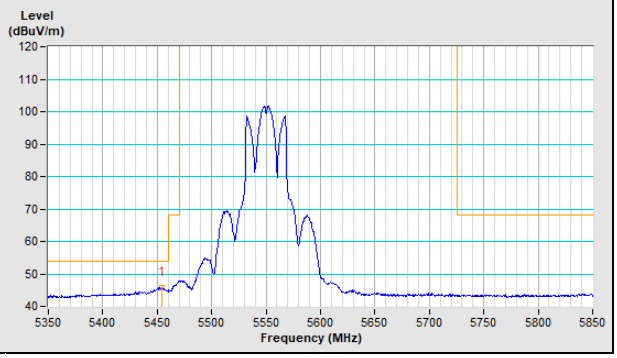
Remarks:

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.

Peak



Average



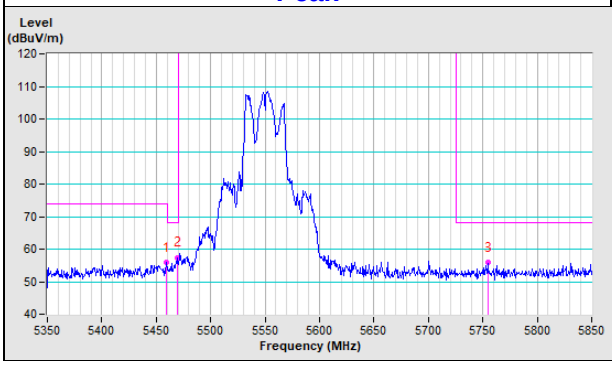
CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5459.26	55.8 PK	74.0	-18.2	2.80 V	144	53.1	2.7
PK.2	#5469.40	57.3 PK	68.2	-10.9	2.80 V	144	54.7	2.6
PK.3	#5754.61	55.8 PK	68.2	-12.4	2.80 V	144	52.9	2.9
AV.1	5454.87	45.1 AV	54.0	-8.9	2.80 V	144	42.4	2.7

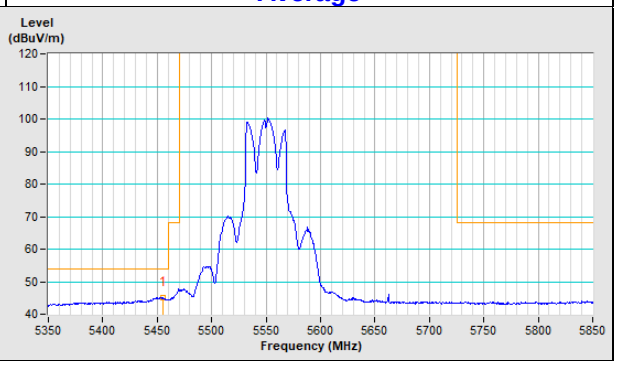
Remarks:

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.

Peak



Average

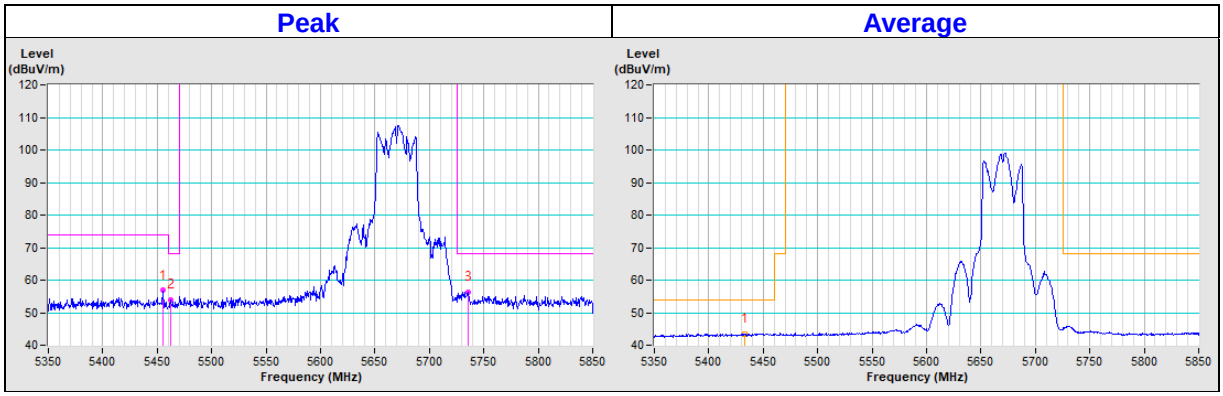


CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5455.18	56.8 PK	74.0	-17.2	1.55 H	171	54.1	2.7
PK.2	#5462.36	53.9 PK	68.2	-14.3	1.55 H	171	51.3	2.6
PK.3	#5735.49	56.3 PK	68.2	-11.9	1.55 H	171	53.4	2.9
AV.1	5433.04	43.5 AV	54.0	-10.5	1.55 H	171	41.0	2.5

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.

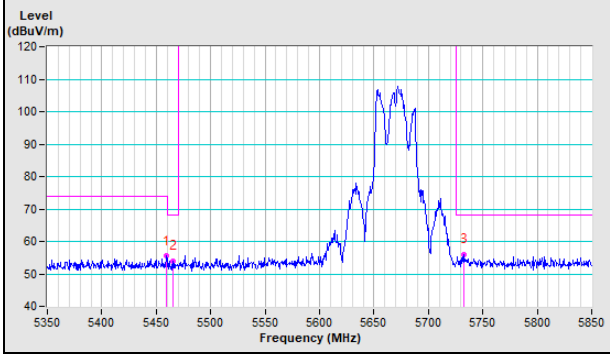
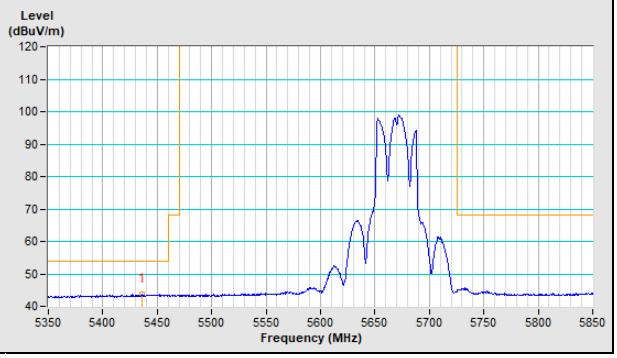


CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5459.02	55.5 PK	74.0	-18.5	2.83 V	169	52.8	2.7
PK.2	#5465.89	53.9 PK	68.2	-14.3	2.83 V	169	51.3	2.6
PK.3	#5732.79	56.0 PK	68.2	-12.2	2.83 V	169	53.1	2.9
AV.1	5435.68	43.7 AV	54.0	-10.3	2.83 V	169	41.2	2.5

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.

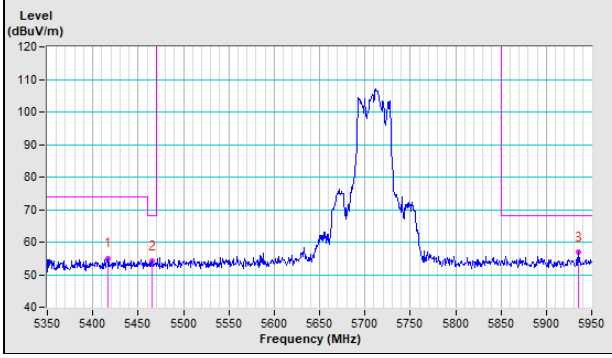
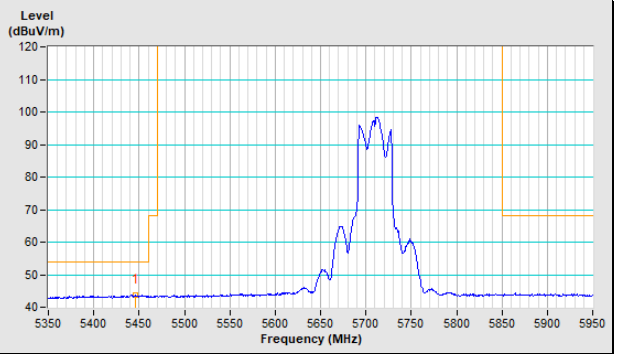
Peak	Average
	

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5950MHz		

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)
PK.1	5416.27	55.0 PK	74.0	-19.0	1.50 H	174	52.5	2.5
PK.2	#5465.74	54.1 PK	68.2	-14.1	1.50 H	174	51.5	2.6
PK.3	#5935.12	56.8 PK	68.2	-11.4	1.50 H	174	53.4	3.4
AV.1	5445.93	43.7 AV	54.0	-10.3	1.50 H	174	41.0	2.7

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.

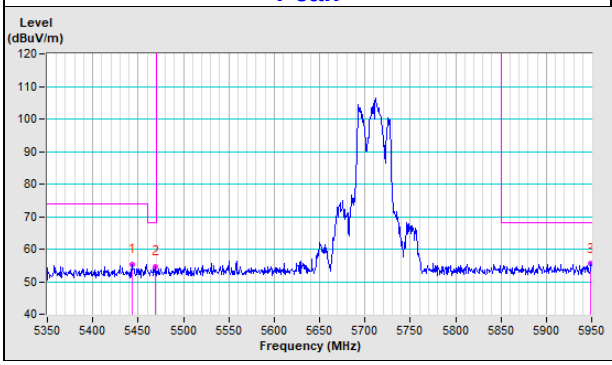
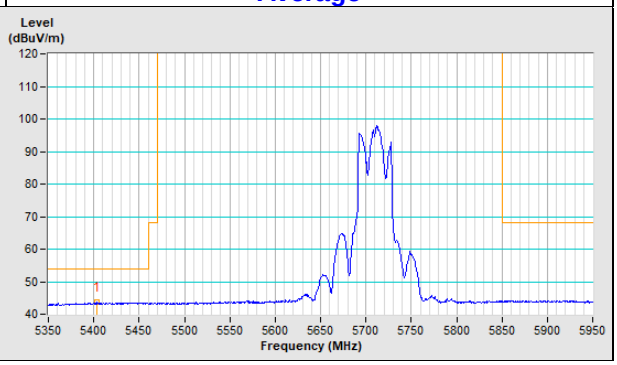
Peak	Average
	

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5950MHz		

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)
PK.1	5443.35	55.3 PK	74.0	-18.7	2.83 V	169	52.6	2.7
PK.2	#5468.52	54.7 PK	68.2	-13.5	2.83 V	169	52.1	2.6
PK.3	#5949.31	55.5 PK	68.2	-12.7	2.83 V	169	52.3	3.2
AV.1	5403.20	43.6 AV	54.0	-10.4	2.83 V	169	41.1	2.5

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.

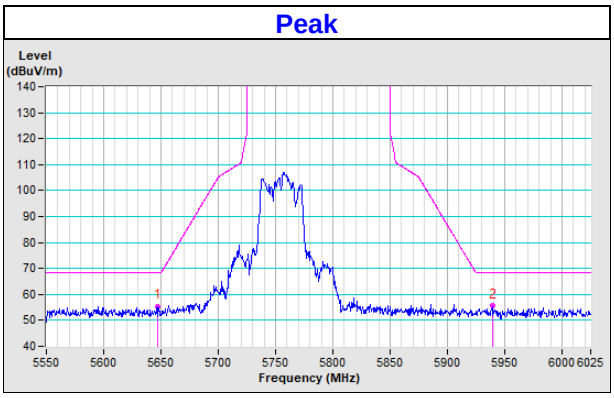
Peak	Average
	

CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5647.20	55.4 PK	68.2	-12.8	1.45 H	174	52.7	2.7
PK.2	#5938.95	55.5 PK	68.2	-12.7	1.45 H	174	52.1	3.4

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.

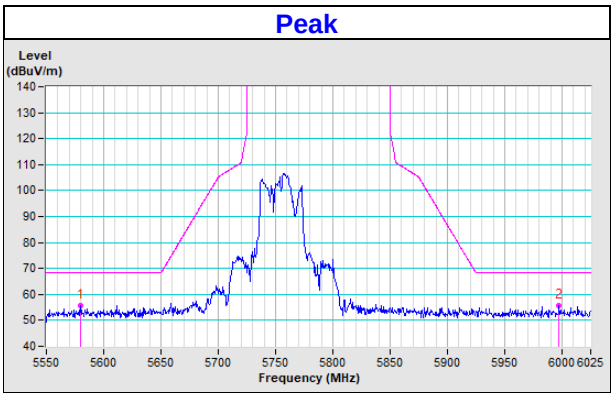


CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5580.16	55.5 PK	68.2	-12.7	2.76 V	168	52.7	2.8
PK.2	#5997.12	55.5 PK	68.2	-12.7	2.76 V	168	52.3	3.2

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.

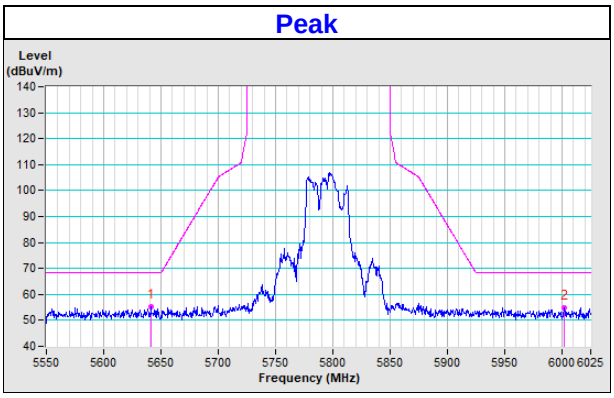


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5641.27	55.2 PK	68.2	-13.0	1.41 H	177	52.5	2.7
PK.2	#6001.76	54.9 PK	68.2	-13.3	1.41 H	177	51.7	3.2

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.

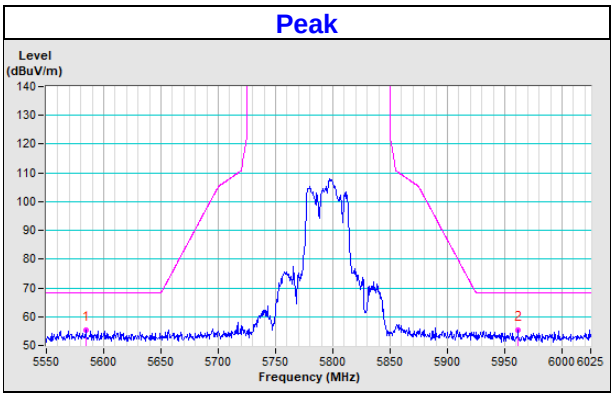


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5584.31	55.2 PK	68.2	-13.0	2.85 V	155	52.4	2.8
PK.2	#5961.60	55.4 PK	68.2	-12.8	2.85 V	155	52.1	3.3

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)

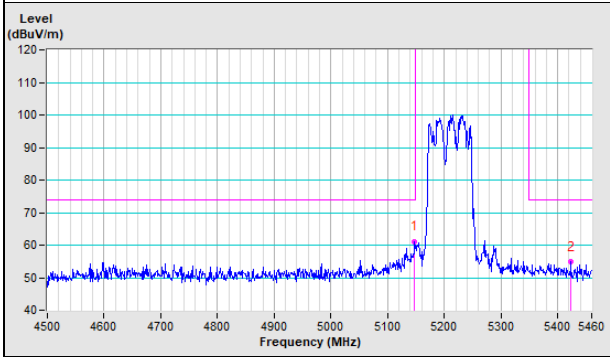
CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5147.52	61.1 PK	74.0	-12.9	1.51 H	171	58.5	2.6
PK.2	5423.11	54.8 PK	74.0	-19.2	1.51 H	171	52.3	2.5
AV.1	**5150.00**	**52.4 AV**	**54.0**	**-1.6**	**1.51 H**	**171**	**49.8**	**2.6**
AV.2	5390.74	44.3 AV	54.0	-9.7	1.51 H	171	41.8	2.5

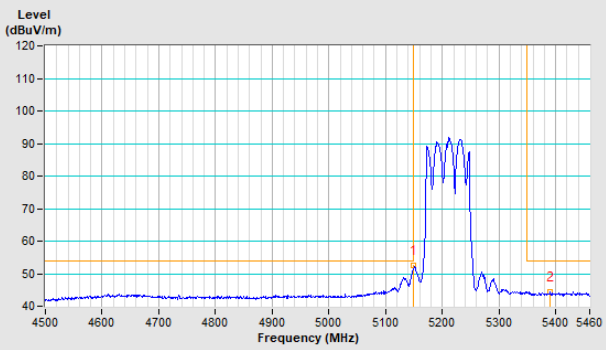
Remarks:

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

Peak



Average

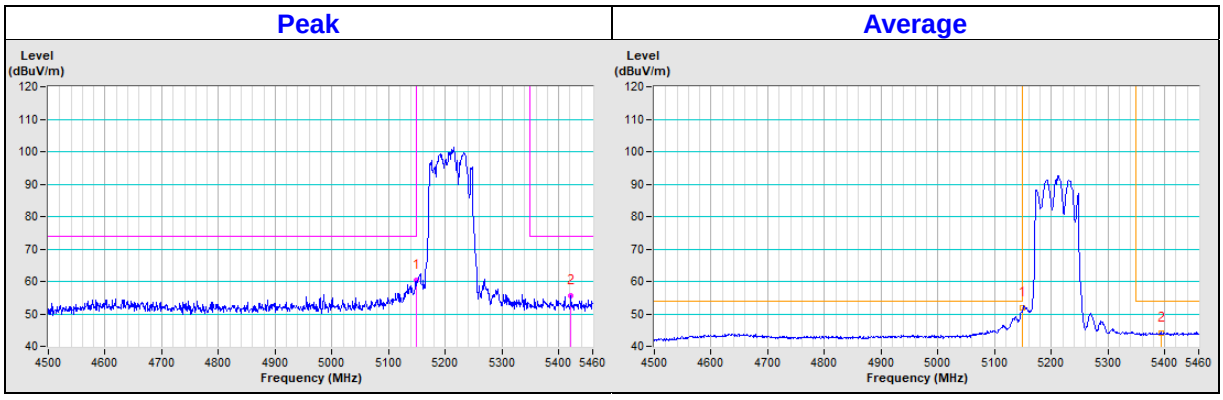


CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5150.00	60.3 PK	74.0	-13.7	2.90 V	156	57.7	2.6
PK.2	5421.50	55.7 PK	74.0	-18.3	2.90 V	156	53.2	2.5
AV.1	5150.00	51.9 AV	54.0	-2.1	2.90 V	156	49.3	2.6
AV.2	5394.43	44.2 AV	54.0	-9.8	2.90 V	156	41.7	2.5

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

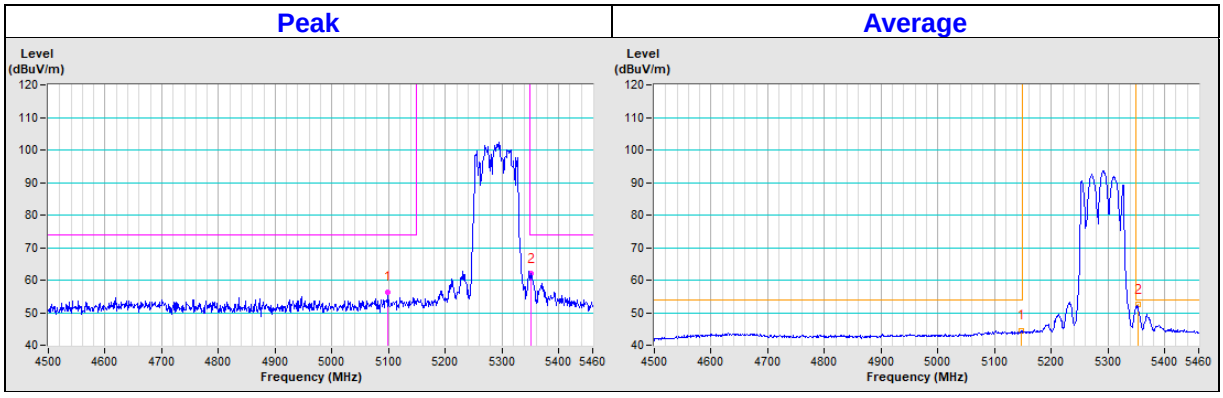


CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5099.45	56.4 PK	74.0	-17.6	1.48 H	179	53.7	2.7
PK.2	5351.18	61.9 PK	74.0	-12.1	1.48 H	179	59.6	2.3
AV.1	5146.78	44.4 AV	54.0	-9.6	1.48 H	179	41.8	2.6
AV.2	**5352.65**	**52.4 AV**	**54.0**	**-1.6**	**1.48 H**	**179**	**50.1**	**2.3**

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

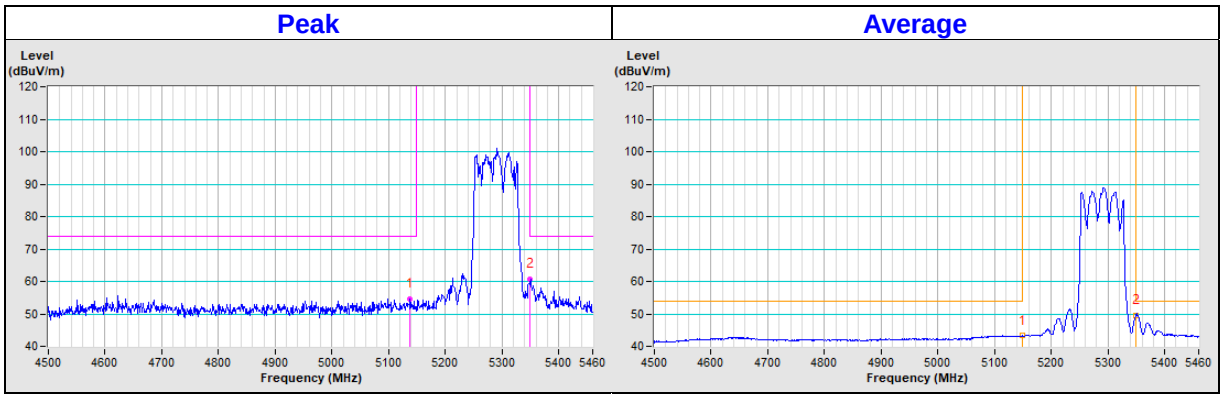


CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	4500MHz ~ 5460MHz		

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)
PK.1	5136.58	54.6 PK	74.0	-19.4	2.94 V	143	52.0	2.6
PK.2	5350.00	60.6 PK	74.0	-13.4	2.94 V	143	58.3	2.3
AV.1	5150.00	43.3 AV	54.0	-10.7	2.94 V	143	40.7	2.6
AV.2	5350.00	49.6 AV	54.0	-4.4	2.94 V	143	47.3	2.3

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

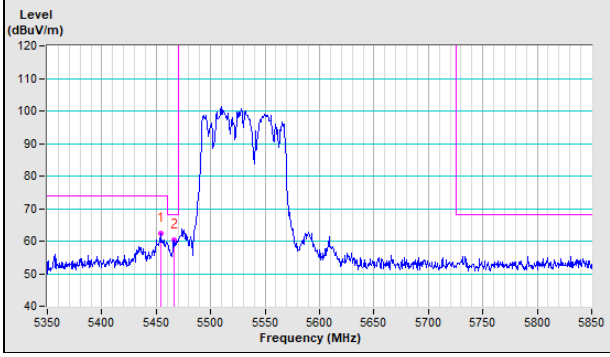
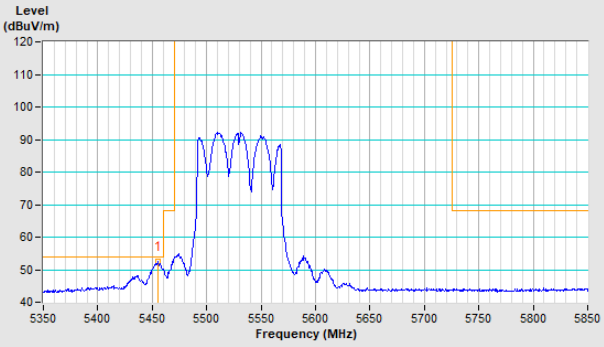


CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5453.79	62.4 PK	74.0	-11.6	1.41 H	172	59.7	2.7
PK.2	#5466.57	60.3 PK	68.2	-7.9	1.44 H	172	57.7	2.6
AV.1	**5455.46**	**52.4 AV**	**54.0**	**-1.6**	**1.44 H**	**172**	**49.7**	**2.7**

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.

Peak	Average
	

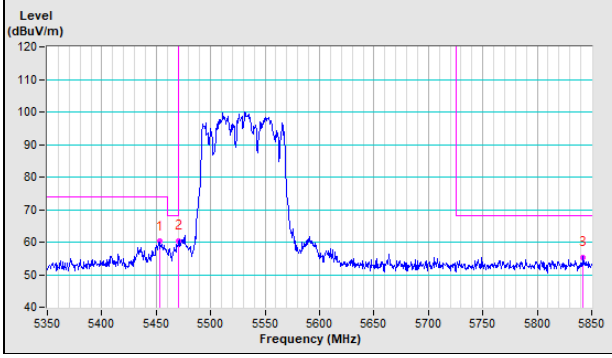
CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5453.24	60.2 PK	74.0	-13.8	2.88 V	151	57.5	2.7
PK.2	#5470.00	60.4 PK	68.2	-7.8	2.88 V	151	57.8	2.6
PK.3	#5842.12	55.4 PK	68.2	-12.8	2.88 V	151	52.1	3.3
AV.1	5454.75	50.4 AV	54.0	-3.6	2.88 V	151	47.7	2.7

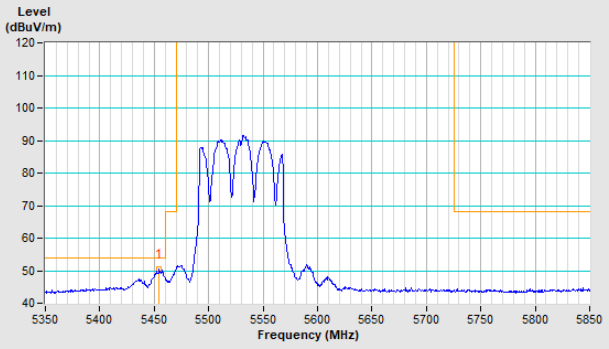
Remarks:

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.

Peak



Average

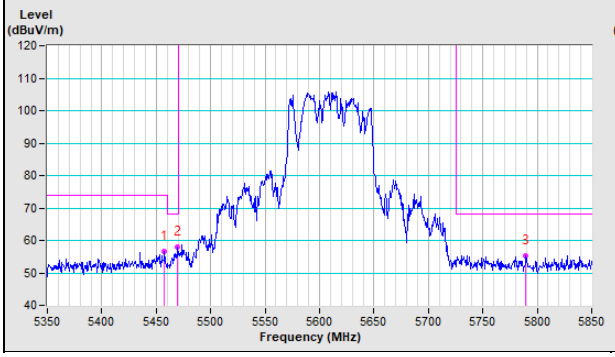
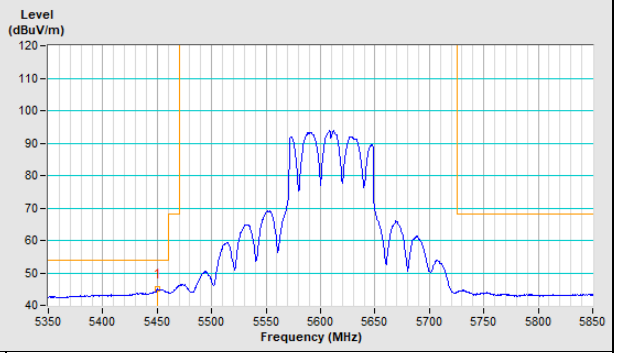


CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5457.70	56.7 PK	74.0	-17.3	1.56 H	171	54.0	2.7
PK.2	#5469.69	58.0 PK	68.2	-10.2	1.56 H	171	55.4	2.6
PK.3	#5789.64	55.4 PK	68.2	-12.8	1.56 H	171	52.4	3.0
AV.1	5450.23	45.0 AV	54.0	-9.0	1.56 H	171	42.3	2.7

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.

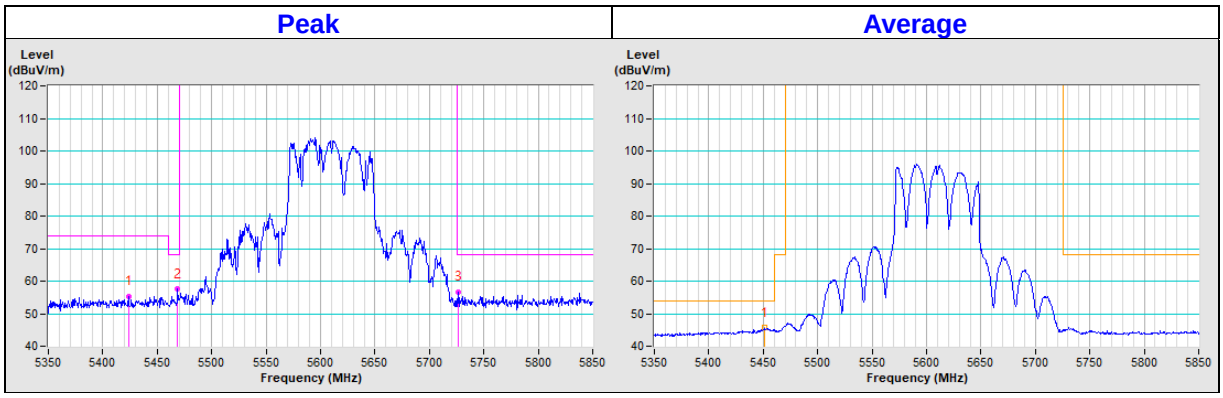
Peak	Average
	

CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5850MHz		

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)
PK.1	5423.75	55.4 PK	74.0	-18.6	2.89 V	166	52.9	2.5
PK.2	#5468.69	57.5 PK	68.2	-10.7	2.89 V	166	54.9	2.6
PK.3	#5726.80	56.6 PK	68.2	-11.6	2.89 V	166	53.7	2.9
AV.1	5451.61	45.6 AV	54.0	-8.4	2.89 V	166	42.9	2.7

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.

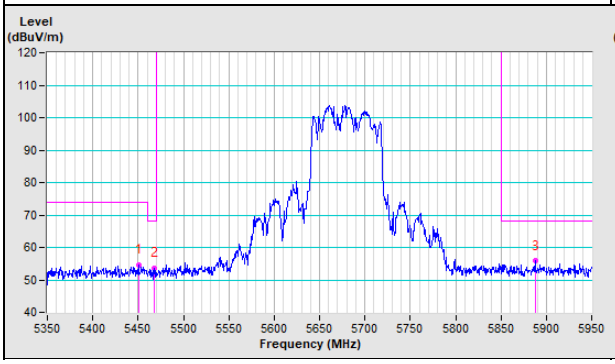
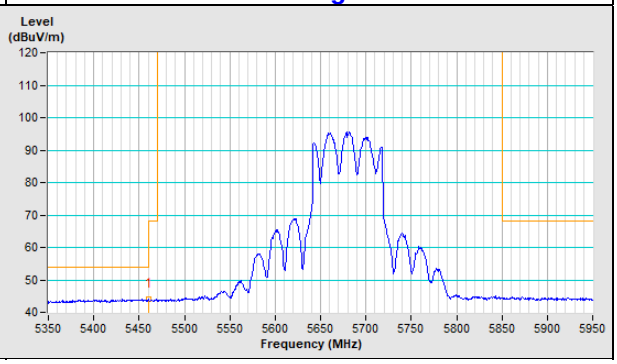


CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5950MHz		

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)
PK.1	5450.31	54.6 PK	74.0	-19.4	1.66 H	172	51.9	2.7
PK.2	#5467.51	53.6 PK	68.2	-14.6	1.66 H	172	51.0	2.6
PK.3	#5887.47	55.8 PK	68.2	-12.4	1.66 H	172	52.4	3.4
AV.1	5460.00	44.0 AV	54.0	-10.0	1.66 H	172	41.4	2.6

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.

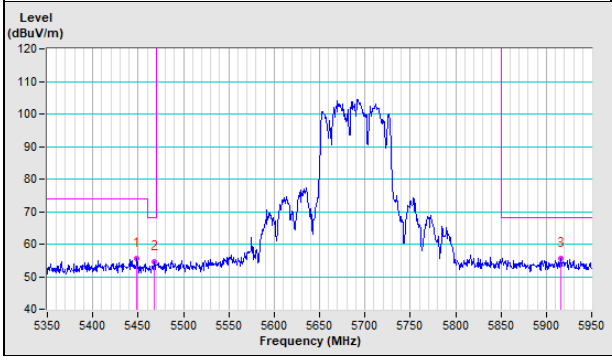
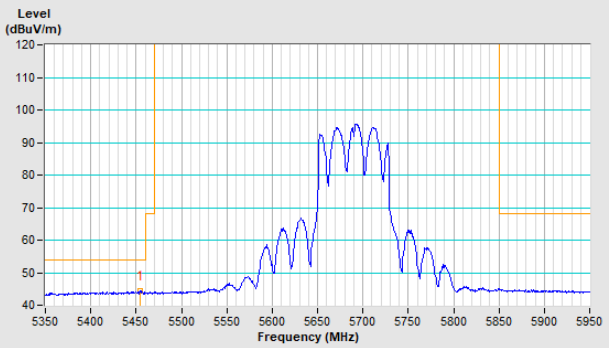
Peak	Average
	

CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	5350MHz ~ 5950MHz		

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)
PK.1	5448.55	55.7 PK	74.0	-18.3	2.86 V	156	53.0	2.7
PK.2	#5467.82	54.5 PK	68.2	-13.7	2.86 V	156	51.9	2.6
PK.3	#5915.57	55.7 PK	68.2	-12.5	2.86 V	156	52.3	3.4
AV.1	5453.97	44.3 AV	54.0	-9.7	2.86 V	156	41.6	2.7

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.

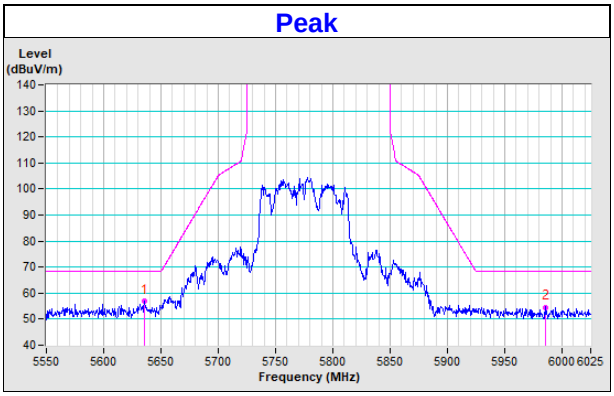
Peak	Average
	

CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5635.14	56.8 PK	68.2	-11.4	1.50 H	174	54.0	2.8
PK.2	#5985.74	54.6 PK	68.2	-13.6	1.50 H	174	51.4	3.2

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.

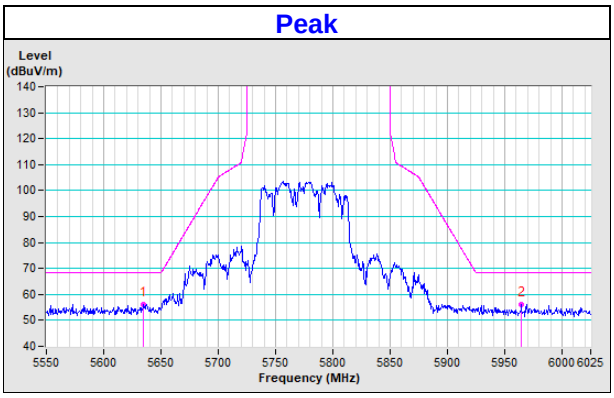


CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	5550MHz ~ 6025MHz		

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)
PK.1	#5635.08	56.2 PK	68.2	-12.0	2.94 V	171	53.4	2.8
PK.2	#5964.60	56.1 PK	68.2	-12.1	2.94 V	171	52.8	3.3

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.



4.1.9 Test Results for below 1GHz

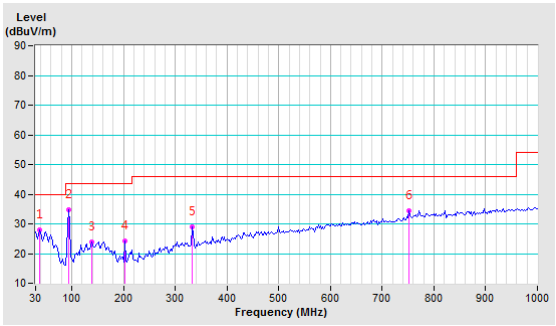
802.11a

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	9kHz ~ 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	37.76	28.0 PK	40.0	-12.0	3.00 H	221	36.5	-8.5
2	94.02	34.8 PK	43.5	-8.7	3.00 H	143	48.0	-13.2
3	138.64	24.0 PK	43.5	-19.5	2.50 H	269	32.2	-8.2
4	202.66	24.3 PK	43.5	-19.2	2.00 H	115	35.2	-10.9
5	332.64	29.0 PK	46.0	-17.0	1.50 H	240	34.8	-5.8
6	751.68	34.5 PK	46.0	-11.5	1.00 H	138	31.2	3.3

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 of frequency range 30MHz ~ 1000MHz
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report
6. The PK detector measurement value is much smaller than the limit QP value, so the pass is determined

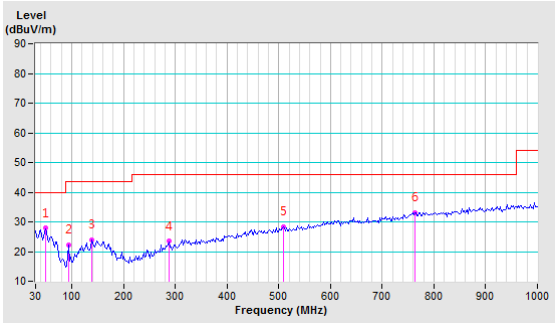


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	9kHz ~ 1GHz		

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	49.40	27.8 PK	40.0	-12.2	1.00 V	305	35.7	-7.9
2	94.02	22.3 PK	43.5	-21.2	1.00 V	117	35.5	-13.2
3	138.64	23.9 PK	43.5	-19.6	1.00 V	311	32.1	-8.2
4	288.02	23.4 PK	46.0	-22.6	1.50 V	289	30.7	-7.3
5	509.18	28.4 PK	46.0	-17.6	1.50 V	301	30.2	-1.8
6	763.32	33.1 PK	46.0	-12.9	2.00 V	261	29.6	3.5

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 of frequency range 30MHz ~ 1000MHz
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report
6. The PK detector measurement value is much smaller than the limit QP value, so the pass is determined



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.	Cal. Date	Cal. Due
Test Receiver ROHDE & SCHWARZ	ESCS30	100291	Sep. 03, 2018	Sep. 02, 2019
RF signal cable Woken	5D-FB	Cable-cond1-01	Sep. 05, 2018	Sep. 04, 2019
LISN ROHDE & SCHWARZ (EUT)	ENV216	101826	Feb. 26, 2018	Feb. 25, 2019
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100311	Aug. 19, 2018	Aug. 18, 2019
Software ADT	BV ADT_Cond_ V7.3.7.4	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 HwaYa Shielded Room 1.
3. The VCCI Site Registration No. is C-2040.

4.2.3 Test Procedures

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.

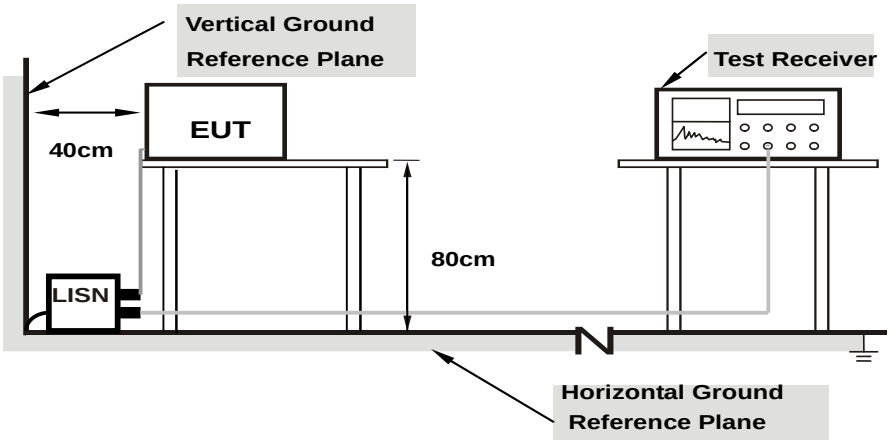
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

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 Conditions

Same as 4.1.6.

4.2.7 Test Results

Worst-case data:

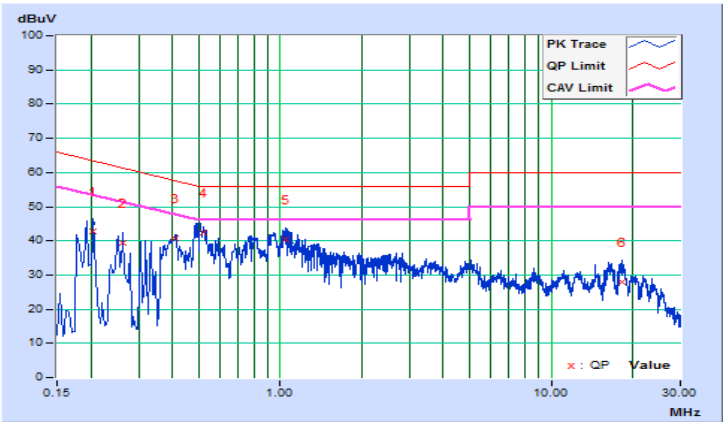
802.11a

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

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.20474	9.72	32.89	14.75	42.61	24.47	63.42	53.42	-20.81	-28.95
2	0.26339	9.73	29.75	11.54	39.48	21.27	61.32	51.32	-21.84	-30.05
3	0.41124	9.75	31.05	13.05	40.80	22.80	57.62	47.62	-16.82	-24.82
4	**0.52130**	**9.74**	**32.54**	**15.74**	**42.28**	**25.48**	**56.00**	**46.00**	**-13.72**	**-20.52**
5	1.04148	9.68	30.69	16.74	40.37	26.42	56.00	46.00	-15.63	-19.58
6	18.19074	9.94	18.02	11.39	27.96	21.33	60.00	50.00	-32.04	-28.67

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.

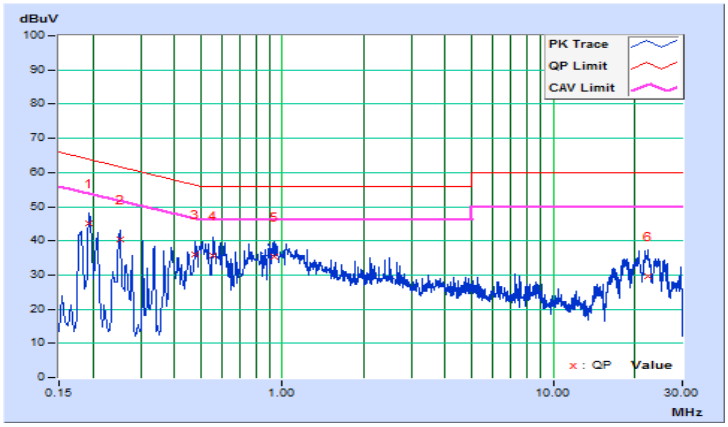


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.19305	9.73	35.25	17.64	44.98	27.37	63.90	53.90	-18.92	-26.53
2	0.25166	9.74	30.77	11.31	40.51	21.05	61.70	51.70	-21.19	-30.65
3	0.47453	9.75	26.36	9.05	36.11	18.80	56.43	46.43	-20.32	-27.63
4	0.55664	9.74	25.79	8.74	35.53	18.48	56.00	46.00	-20.47	-27.52
5	0.93982	9.72	25.79	12.14	35.51	21.86	56.00	46.00	-20.49	-24.14
6	22.48392	10.09	19.60	5.32	29.69	15.41	60.00	50.00	-30.31	-34.59

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 Measurement

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

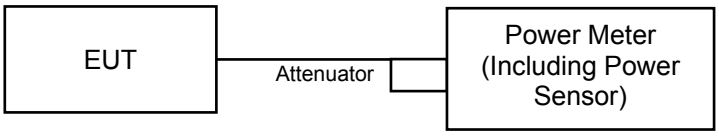
Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};
Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \geq 5$.

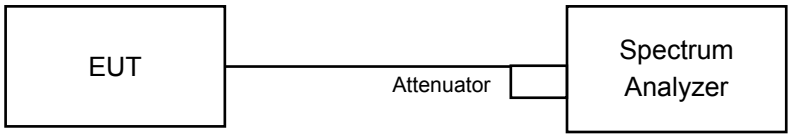
For power measurements on all other devices: Array Gain = 10 log(N_{ANT}/N_{SS}) dB.

4.3.2 Test Setup

For Power Output



For 26dB Bandwidth



4.3.3 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
USB Wideband Power Meter (Including Power Sensor) KEYSIGHT	U2021XA	MY55050005/MY55190004/ MY55190007/MY55210005	Jul. 17, 2018	Jul. 16, 2019
SPECTRUM ANALYZER R&S	FSP40	100041	Dec 12, 2017	Dec 11, 2018

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

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 and set the detector to average. Duty factor is not added to measured value.

For 26dB Bandwidth

a. Set RBW = approximately 1% of the emission bandwidth.

b. Set the VBW > RBW.

c. Detector = Peak.

d. Trace mode = max hold.

e. 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 Conditions

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

Power Output:

Ant. 0 (SISO)

802.11a

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	53.088	17.25	24.00	Pass
40	5200	52.481	17.20	24.00	Pass
48	5240	52.723	17.22	24.00	Pass
52	5260	51.404	17.11	24.00	Pass
60	5300	52.119	17.17	24.00	Pass
64	5320	51.761	17.14	24.00	Pass
100	5500	53.333	17.27	24.00	Pass
116	5580	51.404	17.11	24.00	Pass
140	5700	51.404	17.11	24.00	Pass
144	5720 (For U-NII-2C)	35.810	15.54	23.13	Pass
144	5720 (For U-NII-3)	6.902	8.39	30.00	Pass
149	5745	51.761	17.14	30.00	Pass
157	5785	50.816	17.06	30.00	Pass
165	5825	52.360	17.19	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log(24.18) = 24.83 dBm > 24dBm
2. 11dBm + 10log(22.95) = 24.61 dBm > 24dBm
3. 11dBm + 10log(23.20) = 24.65 dBm > 24dBm
4. 11dBm + 10log(24.60) = 24.91 dBm > 24dBm
5. 11dBm + 10log(24.80) = 24.94 dBm > 24dBm
6. 11dBm + 10log(22.99) = 24.62 dBm > 24dBm
7. 11dBm + 10log(5725.00 - 5708.64) = 23.13 dBm < 24dBm

802.11ac (VHT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	55.590	**17.45**	24.00	Pass
40	5200	53.951	17.32	24.00	Pass
48	5240	52.845	17.23	24.00	Pass
52	5260	52.240	17.18	24.00	Pass
60	5300	54.200	17.34	24.00	Pass
64	5320	55.208	17.42	24.00	Pass
100	5500	54.828	17.39	24.00	Pass
116	5580	54.450	17.36	24.00	Pass
140	5700	53.456	17.28	24.00	Pass
144	5720 (For U-NII-2C)	37.154	15.70	23.46	Pass
144	5720 (For U-NII-3)	9.354	9.71	30.00	Pass
149	5745	52.966	17.24	30.00	Pass
157	5785	54.954	17.40	30.00	Pass
165	5825	52.602	17.21	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log(25.15) = 25.01 dBm > 24dBm
2. 11dBm + 10log(24.70) = 24.93 dBm > 24dBm
3. 11dBm + 10log(25.23) = 25.02 dBm > 24dBm
4. 11dBm + 10log(25.70) = 25.10 dBm > 24dBm
5. 11dBm + 10log(25.59) = 25.08 dBm > 24dBm
6. 11dBm + 10log(25.26) = 25.02 dBm > 24dBm
7. 11dBm + 10log(5725.00 - 5707.36) = 23.46 dBm < 24dBm

802.11ac (VHT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	16.711	12.23	24.00	Pass
46	5230	52.360	17.19	24.00	Pass
54	5270	54.325	17.35	24.00	Pass
62	5310	18.923	12.77	24.00	Pass
102	5510	23.388	13.69	24.00	Pass
110	5550	51.880	17.15	24.00	Pass
134	5670	53.088	17.25	24.00	Pass
142	5710 (For U-NII-2C)	26.062	14.16	24.00	Pass
142	5710 (For U-NII-3)	3.069	4.87	30.00	Pass
151	5755	52.360	17.19	30.00	Pass
159	5795	53.211	17.26	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log(42.21) = 27.25 dBm > 24dBm
2. 11dBm + 10log(42.24) = 27.26 dBm > 24dBm
3. 11dBm + 10log(42.29) = 27.26 dBm > 24dBm
4. 11dBm + 10log(42.08) = 27.24 dBm > 24dBm
5. 11dBm + 10log(42.12) = 27.24 dBm > 24dBm
6. 11dBm + 10log(5725.00 - 5688.90) = 26.58 dBm > 24dBm.

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	13.366	11.26	24.00	Pass
58	5290	14.521	11.62	24.00	Pass
106	5530	11.749	10.70	24.00	Pass
122	5610	51.286	17.10	24.00	Pass
138	5690 (For U-NII-2C)	23.335	13.68	24.00	Pass
138	5690 (For U-NII-3)	0.726	-1.39	30.00	Pass
155	5775	53.088	17.25	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log(84.07) = 30.25 dBm > 24dBm
2. 11dBm + 10log(83.89) = 30.24 dBm > 24dBm
3. 11dBm + 10log(84.45) = 30.27 dBm > 24dBm
4. 11dBm + 10log(5725.00 - 5648.22) = 29.85 dBm > 24dBm.

Ant. 1 (SISO)

802.11a

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	51.761	17.14	24.00	Pass
40	5200	51.404	17.11	24.00	Pass
48	5240	51.404	17.11	24.00	Pass
52	5260	50.816	17.06	24.00	Pass
60	5300	50.816	17.06	24.00	Pass
64	5320	53.211	17.26	24.00	Pass
100	5500	52.723	17.22	24.00	Pass
116	5580	51.523	17.12	24.00	Pass
140	5700	53.827	17.31	24.00	Pass
144	5720 (For U-NII-2C)	28.774	14.59	23.49	Pass
144	5720 (For U-NII-3)	6.592	8.19	30.00	Pass
149	5745	52.602	17.21	30.00	Pass
157	5785	52.240	17.18	30.00	Pass
165	5825	53.333	17.27	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log(24.20) = 24.84 dBm > 24dBm
2. 11dBm + 10log(24.34) = 24.86 dBm > 24dBm
3. 11dBm + 10log(24.39) = 24.87 dBm > 24dBm
4. 11dBm + 10log(24.30) = 24.86 dBm > 24dBm
5. 11dBm + 10log(24.74) = 24.93 dBm > 24dBm
6. 11dBm + 10log(24.48) = 24.89 dBm > 24dBm
7. 11dBm + 10log(5725.00 - 5707.27) = 23.49 dBm < 24dBm.

802.11ac (VHT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	54.325	17.35	24.00	Pass
40	5200	54.828	17.39	24.00	Pass
48	5240	55.081	17.41	24.00	Pass
52	5260	53.211	17.26	24.00	Pass
60	5300	54.075	17.33	24.00	Pass
64	5320	53.333	17.27	24.00	Pass
100	5500	55.208	17.42	24.00	Pass
116	5580	53.333	17.27	24.00	Pass
140	5700	53.211	17.26	24.00	Pass
144	5720 (For U-NII-2C)	33.806	15.29	23.62	Pass
144	5720 (For U-NII-3)	7.244	8.60	30.00	Pass
149	5745	52.966	17.24	30.00	Pass
157	5785	52.481	17.20	30.00	Pass
165	5825	54.954	17.40	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log(24.83) = 24.95 dBm > 24dBm
2. 11dBm + 10log(24.64) = 24.92 dBm > 24dBm
3. 11dBm + 10log(25.83) = 25.12 dBm > 24dBm
4. 11dBm + 10log(25.43) = 25.05 dBm > 24dBm
5. 11dBm + 10log(26.46) = 25.23 dBm > 24dBm
6. 11dBm + 10log(26.57) = 25.24 dBm > 24dBm
7. 11dBm + 10log(5725.00 - 5706.72) = 23.62 dBm < 24dBm.

802.11ac (VHT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	16.634	12.21	24.00	Pass
46	5230	51.168	17.09	24.00	Pass
54	5270	51.050	17.08	24.00	Pass
62	5310	18.836	12.75	24.00	Pass
102	5510	23.281	13.67	24.00	Pass
110	5550	50.582	17.04	24.00	Pass
134	5670	52.360	17.19	24.00	Pass
142	5710 (For U-NII-2C)	31.989	15.05	24.00	Pass
142	5710 (For U-NII-3)	2.723	4.35	30.00	Pass
151	5755	52.240	17.18	30.00	Pass
159	5795	50.119	17.00	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log(42.05) = 27.24 dBm > 24dBm
2. 11dBm + 10log(42.16) = 27.25 dBm > 24dBm
3. 11dBm + 10log(42.11) = 27.24 dBm > 24dBm
4. 11dBm + 10log(42.20) = 27.25 dBm > 24dBm
5. 11dBm + 10log(42.20) = 27.25 dBm > 24dBm
6. 11dBm + 10log(5725.00 - 5689.09) = 26.55 dBm > 24dBm.

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	13.305	11.24	24.00	Pass
58	5290	14.454	11.60	24.00	Pass
106	5530	11.695	10.68	24.00	Pass
122	5610	50.699	17.05	24.00	Pass
138	5690 (For U-NII-2C)	22.387	13.50	24.00	Pass
138	5690 (For U-NII-3)	0.621	-2.07	30.00	Pass
155	5775	53.703	17.30	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
1. 11dBm + 10log(83.62) = 30.22 dBm > 24dBm
2. 11dBm + 10log(84.14) = 30.25 dBm > 24dBm
3. 11dBm + 10log(84.35) = 30.26 dBm > 24dBm
4. 11dBm + 10log(5725.00 - 5647.79) = 29.88 dBm > 24dBm.

Ant. 0 + 1 (MIMO)

802.11a

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	17.35	17.18	106.565	20.28	24.00	Pass
40	5200	17.24	17.15	104.846	20.21	24.00	Pass
48	5240	17.28	17.15	105.336	20.23	24.00	Pass
52	5260	17.19	17.10	103.646	20.16	24.00	Pass
60	5300	17.26	17.10	104.497	20.19	24.00	Pass
64	5320	17.16	17.30	105.703	20.24	24.00	Pass
100	5500	17.34	17.26	107.411	20.31	24.00	Pass
116	5580	17.15	17.16	103.880	20.17	24.00	Pass
140	5700	17.19	17.35	106.685	20.28	24.00	Pass
144	5720 (For U-NII-2C)	15.54	14.59	66.497	18.23	23.13	Pass
144	5720 (For U-NII-3)	8.39	8.19	13.894	11.43	30.00	Pass
149	5745	17.23	17.25	105.933	20.25	30.00	Pass
157	5785	17.13	17.22	104.365	20.19	30.00	Pass
165	5825	17.26	17.31	107.038	20.30	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log(24.18) = 24.83 dBm > 24dBm
2. 11dBm + 10log(22.95) = 24.61 dBm > 24dBm
3. 11dBm + 10log(23.20) = 24.65 dBm > 24dBm
4. 11dBm + 10log(24.60) = 24.91 dBm > 24dBm
5. 11dBm + 10log(24.80) = 24.94 dBm > 24dBm
6. 11dBm + 10log(22.99) = 24.62 dBm > 24dBm
7. 11dBm + 10log(5725.00 - 5708.64) = 23.13 dBm < 24dBm

Chain 1
1. 11dBm + 10log(24.20) = 24.84 dBm > 24dBm
2. 11dBm + 10log(24.34) = 24.86 dBm > 24dBm
3. 11dBm + 10log(24.39) = 24.87 dBm > 24dBm
4. 11dBm + 10log(24.30) = 24.86 dBm > 24dBm
5. 11dBm + 10log(24.74) = 24.93 dBm > 24dBm
6. 11dBm + 10log(24.48) = 24.89 dBm > 24dBm
7. 11dBm + 10log(5725.00 - 5707.27) = 23.49 dBm < 24dBm.

802.11ac (VHT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	17.55	17.39	**111.713**	20.48	24.00	Pass
40	5200	17.40	17.43	110.289	20.43	24.00	Pass
48	5240	17.31	17.45	109.417	20.39	24.00	Pass
52	5260	17.27	17.30	107.036	20.30	24.00	Pass
60	5300	17.36	17.37	109.026	20.38	24.00	Pass
64	5320	17.45	17.31	**109.417**	20.39	24.00	Pass
100	5500	17.42	17.46	**110.927**	20.45	24.00	Pass
116	5580	17.43	17.31	109.162	20.38	24.00	Pass
140	5700	17.37	17.30	108.279	20.35	24.00	Pass
144	5720 (For U-NII-2C)	15.70	15.29	72.656	18.61	23.46	Pass
144	5720 (For U-NII-3)	9.71	8.60	16.995	12.30	30.00	Pass
149	5745	17.29	17.28	107.036	20.30	30.00	Pass
157	5785	17.44	17.24	108.429	20.35	30.00	Pass
165	5825	17.26	17.44	**108.674**	20.36	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log(25.15) = 25.01 dBm > 24dBm
2. 11dBm + 10log(24.70) = 24.93 dBm > 24dBm
3. 11dBm + 10log(25.23) = 25.02 dBm > 24dBm
4. 11dBm + 10log(25.70) = 25.10 dBm > 24dBm
5. 11dBm + 10log(25.59) = 25.08 dBm > 24dBm
6. 11dBm + 10log(25.26) = 25.02 dBm > 24dBm
7. 11dBm + 10log(5725.00 - 5707.36) = 23.46 dBm < 24dBm

Chain 1
1. 11dBm + 10log(24.83) = 24.95 dBm > 24dBm
2. 11dBm + 10log(24.64) = 24.92 dBm > 24dBm
3. 11dBm + 10log(25.83) = 25.12 dBm > 24dBm
4. 11dBm + 10log(25.43) = 25.05 dBm > 24dBm
5. 11dBm + 10log(26.46) = 25.23 dBm > 24dBm
6. 11dBm + 10log(26.57) = 25.24 dBm > 24dBm
7. 11dBm + 10log(5725.00 - 5706.72) = 23.62 dBm < 24dBm.

802.11ac (VHT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	12.29	12.38	34.241	15.35	24.00	Pass
46	5230	17.21	17.13	104.244	20.18	24.00	Pass
54	5270	17.36	17.12	105.973	20.25	24.00	Pass
62	5310	12.83	12.89	38.641	15.87	24.00	Pass
102	5510	13.75	13.86	48.036	16.82	24.00	Pass
110	5550	17.23	17.08	103.895	20.17	24.00	Pass
134	5670	17.33	17.23	106.920	20.29	24.00	Pass
142	5710 (For U-NII-2C)	14.16	15.05	60.755	17.84	24.00	Pass
142	5710 (For U-NII-3)	4.87	4.35	6.062	7.83	30.00	Pass
151	5755	17.24	17.22	105.689	20.24	30.00	Pass
159	5795	17.29	17.04	104.162	20.18	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log(42.21) = 27.25 dBm > 24dBm
2. 11dBm + 10log(42.24) = 27.26 dBm > 24dBm
3. 11dBm + 10log(42.29) = 27.26 dBm > 24dBm
4. 11dBm + 10log(42.08) = 27.24 dBm > 24dBm
5. 11dBm + 10log(42.12) = 27.24 dBm > 24dBm
6. 11dBm + 10log(5725.00 - 5688.90) = 26.58 dBm > 24dBm.

Chain 1
1. 11dBm + 10log(42.05) = 27.24 dBm > 24dBm
2. 11dBm + 10log(42.16) = 27.25 dBm > 24dBm
3. 11dBm + 10log(42.11) = 27.24 dBm > 24dBm
4. 11dBm + 10log(42.20) = 27.25 dBm > 24dBm
5. 11dBm + 10log(42.20) = 27.25 dBm > 24dBm
6. 11dBm + 10log(5725.00 - 5689.09) = 26.55 dBm > 24dBm.

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	11.32	11.44	27.484	14.39	24.00	Pass
58	5290	11.68	11.78	29.789	14.74	24.00	Pass
106	5530	10.76	10.83	24.018	13.81	24.00	Pass
122	5610	17.16	17.09	103.168	20.14	24.00	Pass
138	5690 (For U-NII-2C)	13.68	13.50	50.274	17.01	24.00	Pass
138	5690 (For U-NII-3)	-1.39	-2.07	1.481	1.71	30.00	Pass
155	5775	17.26	17.34	107.411	20.31	30.00	Pass

Note:
For U-NII-2A, U-NII-2C Band:
Chain 0
1. 11dBm + 10log(84.07) = 30.25 dBm > 24dBm
2. 11dBm + 10log(83.89) = 30.24 dBm > 24dBm
3. 11dBm + 10log(84.45) = 30.27 dBm > 24dBm
4. 11dBm + 10log(5725.00 - 5648.22) = 29.85 dBm > 24dBm.
Chain 1
1. 11dBm + 10log(83.62) = 30.22 dBm > 24dBm
2. 11dBm + 10log(84.14) = 30.25 dBm > 24dBm
3. 11dBm + 10log(84.35) = 30.26 dBm > 24dBm
4. 11dBm + 10log(5725.00 - 5647.79) = 29.88 dBm > 24dBm.

26dB Bandwidth:

802.11a

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	24.18	24.20
60	5300	22.95	24.34
64	5320	23.20	24.39
100	5500	24.60	24.30
116	5580	24.80	24.74
140	5700	22.99	24.48
144	5720 (For U-NII-2C)	16.36	17.73
144	5720 (For U-NII-3)	6.53	7.68

802.11ac (VHT20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	25.15	24.83
60	5300	24.70	24.64
64	5320	25.23	25.83
100	5500	25.70	25.43
116	5580	25.59	26.46
140	5700	25.26	26.57
144	5720 (For U-NII-2C)	17.64	18.28
144	5720 (For U-NII-3)	8.13	7.99

802.11ac (VHT40)

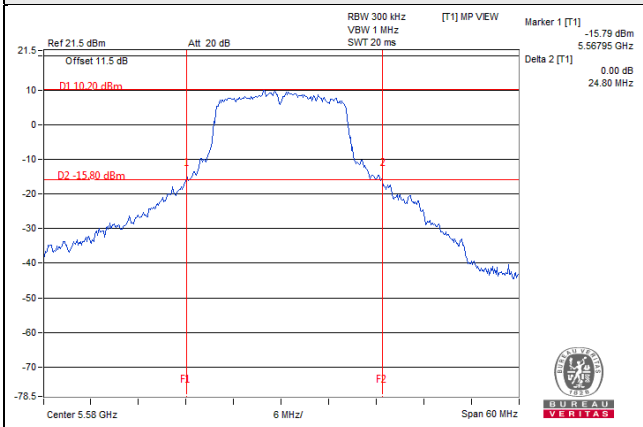
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	42.21	42.05
62	5310	42.24	42.16
102	5510	42.29	42.11
110	5550	42.08	42.20
134	5670	42.12	42.20
142	5710 (For U-NII-2C)	36.10	35.91
142	5710 (For U-NII-3)	5.98	6.10

802.11ac (VHT80)

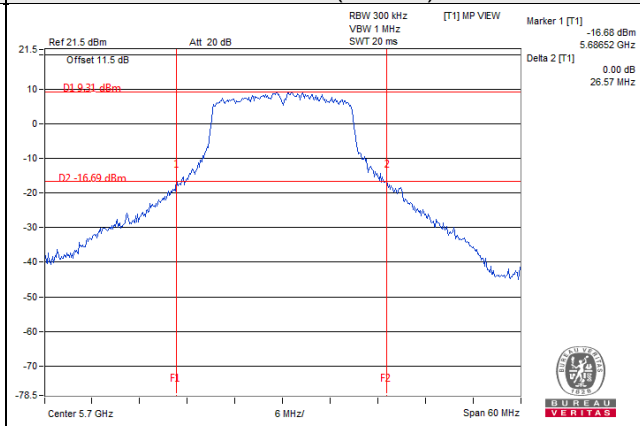
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	84.07	83.62
106	5530	83.89	84.14
122	5610	84.45	84.35
138	5690 (For U-NII-2C)	76.78	77.21
138	5690 (For U-NII-3)	7.00	7.11

Spectrum Plot of Worst Value

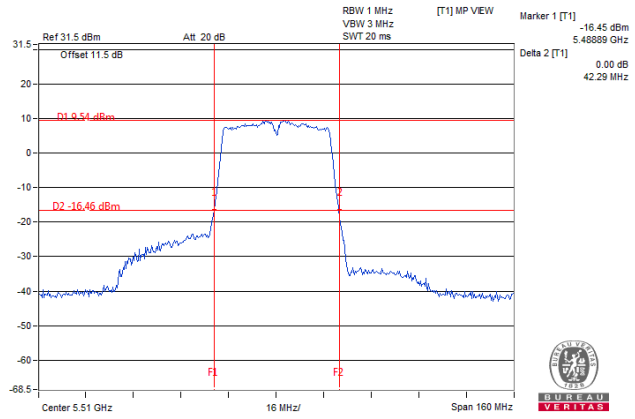
802.11a



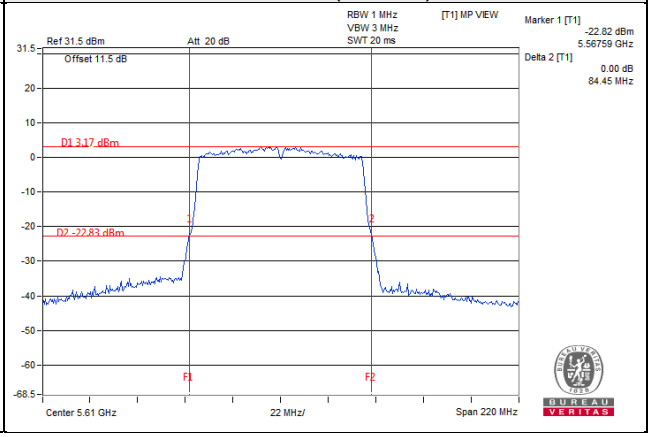
802.11ac (VHT20)



802.11ac (VHT40)



802.11ac (VHT80)



EUT Maximum Conducted Power

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	105.703	20.24
5470~5725	107.411	20.31

802.11ac (VHT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	109.417	20.39
5470~5725	110.927	20.45

802.11ac (VHT40)

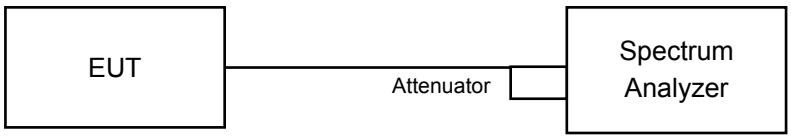
Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	105.973	20.25
5470~5725	106.920	20.29

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	29.789	14.74
5470~5725	103.168	20.14

4.4 Occupied Bandwidth Measurement

4.4.1 Test Setup



4.4.2 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.4.3 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to sampling. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 %of the total mean power of a given emission.

4.4.4 Test Result

802.11a

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.80	16.80
40	5200	16.80	16.80
48	5240	16.68	16.80
52	5260	16.68	16.80
60	5300	16.68	16.80
64	5320	16.68	16.68
100	5500	16.92	16.80
116	5580	16.92	16.80
140	5700	16.68	16.80
144	5720 (For U-NII-2C)	13.40	13.40
144	5720 (For U-NII-3)	3.16	3.16
149	5745	16.68	16.92
157	5785	16.92	16.92
165	5825	16.80	16.92

802.11ac (VHT20)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	17.88	17.88
40	5200	18.00	17.88
48	5240	18.00	17.88
52	5260	18.00	18.00
60	5300	17.88	17.88
64	5320	17.88	17.88
100	5500	18.00	17.88
116	5580	18.12	17.88
140	5700	18.00	17.88
144	5720 (For U-NII-2C)	14.00	14.00
144	5720 (For U-NII-3)	3.76	3.76
149	5745	18.00	18.12
157	5785	18.00	18.00
165	5825	17.88	18.00

802.11ac (VHT40)

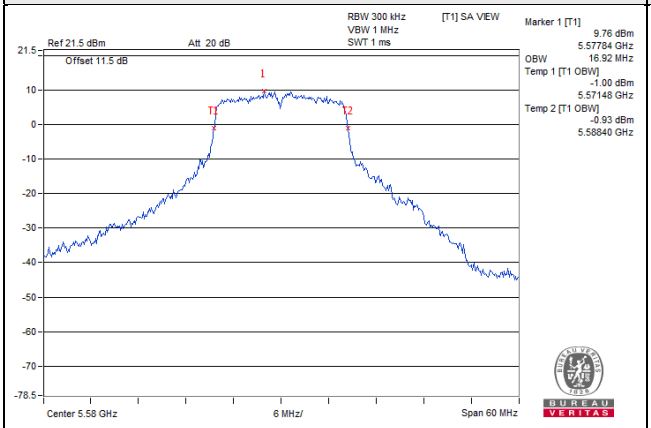
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	36.60	36.48
46	5230	36.60	36.60
54	5270	36.60	36.48
62	5310	36.60	36.48
102	5510	36.60	36.48
110	5550	36.60	36.48
134	5670	36.60	36.48
142	5710 (For U-NII-2C)	33.36	33.36
142	5710 (For U-NII-3)	3.24	3.24
151	5755	36.48	36.60
159	5795	36.60	36.60

802.11ac (VHT80)

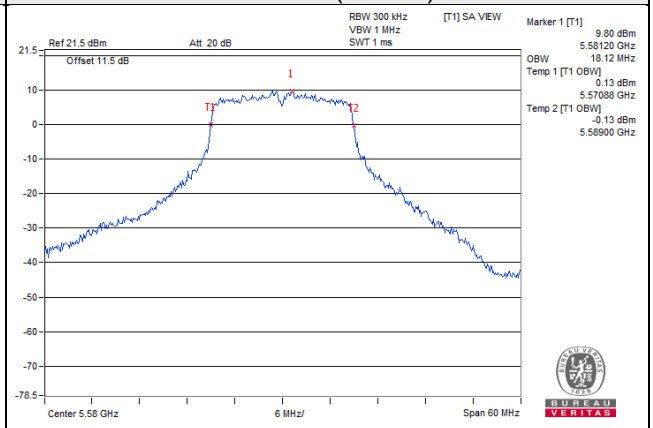
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	75.60	75.84
58	5290	75.60	75.60
106	5530	75.60	75.60
122	5610	75.84	75.60
138	5690 (For U-NII-2C)	72.92	72.92
138	5690 (For U-NII-3)	2.92	2.68
155	5775	75.60	75.84

Spectrum Plot of Worst Value

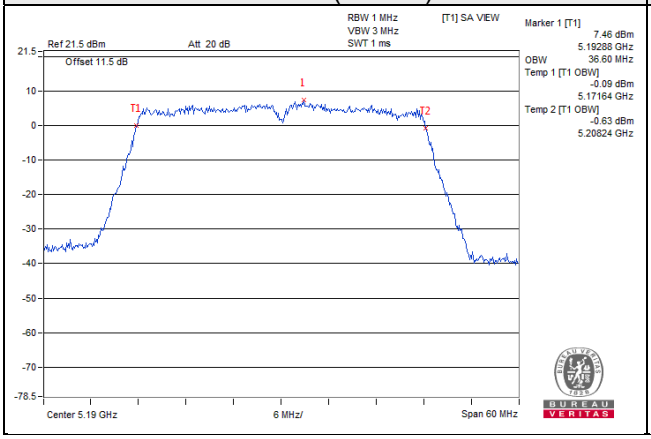
802.11a



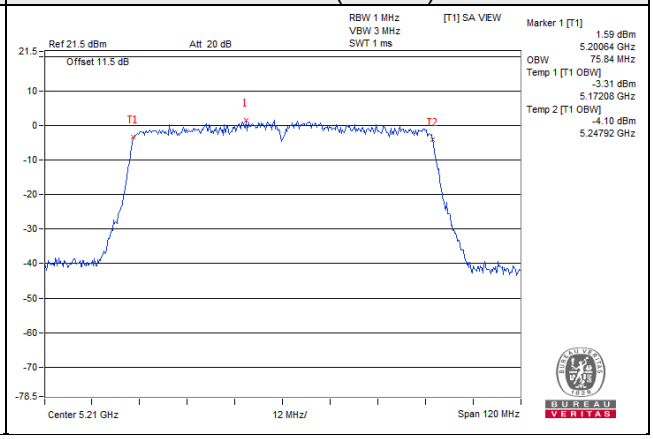
802.11ac (VHT20)



802.11ac (VHT40)



802.11ac (VHT80)

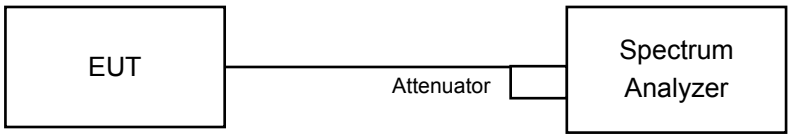


4.5 Peak Power Spectral Density Measurement

4.5.1 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

4.5.2 Test Setup



4.5.3 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
SPECTRUM ANALYZER R&S	FSP40	100041	Dec 12, 2017	Dec 11, 2018

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.5.4 Test Procedures

For U-NII-1, U-NII-2A and U-NII-2C band:

Using method SA-2

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.

b. Set RBW = 1MHz, Set VBW ≥ 3 MHz, Detector = RMS

c. Set Channel power measure = 1MHz

d. Sweep time = auto, trigger set to “free run”.

e. Trace average at least 100 traces in power averaging mode.

f. Record the max value and add 10 log (1/duty cycle)

For U-NII-3 band:

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.

b. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS

c. Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.

d. 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 / 300 kHz)

e. Sweep time = auto, trigger set to “free run”.

f. Trace average at least 100 traces in power averaging mode.

g. Record the max value and add 10 log (1/duty cycle)

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Conditions

Same as 4.3.6.

4.5.7 Test Results

For U-NII-1, U-NII-2A and U-NII-2C band:

802.11a

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
36	5180	4.99	5.07	0.13	8.17	11.00	Pass
40	5200	5.26	5.43	0.13	8.49	11.00	Pass
48	5240	4.81	5.01	0.13	8.05	11.00	Pass
52	5260	4.77	4.70	0.13	7.88	11.00	Pass
60	5300	4.57	4.86	0.13	7.86	11.00	Pass
64	5320	4.55	4.91	0.13	7.87	11.00	Pass
100	5500	5.69	4.46	0.13	8.26	11.00	Pass
116	5580	5.59	5.18	0.13	8.53	11.00	Pass
140	5700	5.54	5.18	0.13	8.50	11.00	Pass
144	5720	5.54	5.08	0.13	8.46	11.00	Pass

Note:

1. Method 1 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. U-NII-1 Band: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 1.70dBi < 6dBi, so the power density limit no need to reduce.
   U-NII-2A Band: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 1.57dBi < 6dBi, so the power density limit no need to reduce.
   U-NII-2C Band: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 0.69dBi < 6dBi, so the power density limit no need to reduce.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
36	5180	4.72	4.29	0.10	7.62	11.00	Pass
40	5200	4.91	3.85	0.10	7.52	11.00	Pass
48	5240	4.50	4.09	0.10	7.41	11.00	Pass
52	5260	4.48	4.16	0.10	7.43	11.00	Pass
60	5300	4.43	4.34	0.10	7.50	11.00	Pass
64	5320	4.31	4.36	0.10	7.45	11.00	Pass
100	5500	5.43	4.06	0.10	7.91	11.00	Pass
116	5580	5.38	4.61	0.10	8.12	11.00	Pass
140	5700	5.88	4.63	0.10	8.41	11.00	Pass
144	5720	5.95	4.64	0.10	8.45	11.00	Pass

Note:

1. Method 1 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. U-NII-1 Band: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 1.70dBi < 6dBi, so the power density limit no need to reduce.
   U-NII-2A Band: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 1.57dBi < 6dBi, so the power density limit no need to reduce.
   U-NII-2C Band: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 0.69dBi < 6dBi, so the power density limit no need to reduce.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT40)

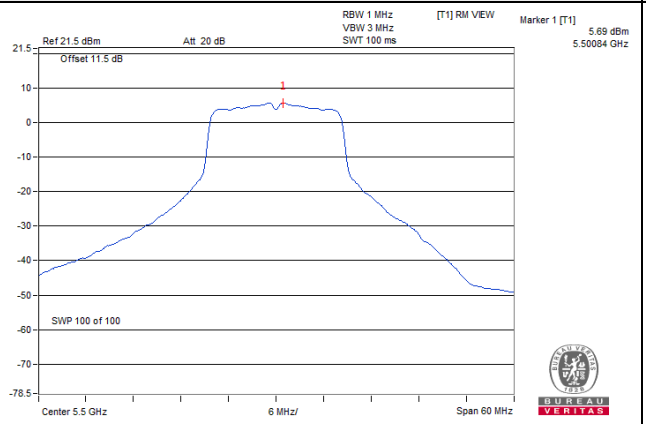
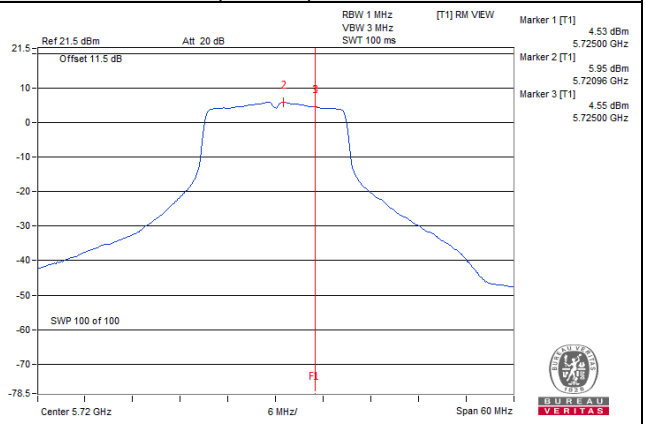
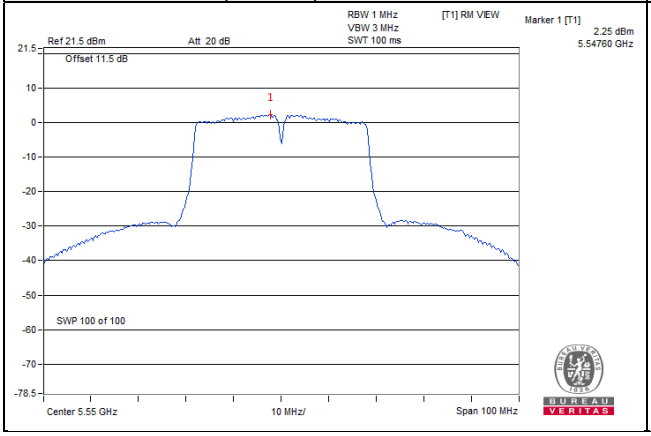
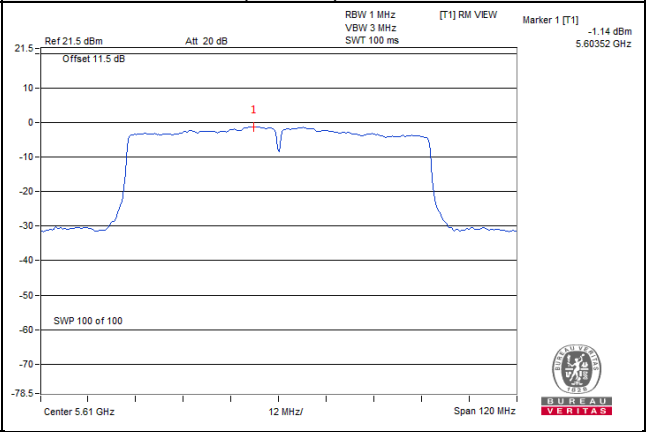
Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
38	5190	-3.22	-3.43	0.20	-0.11	11.00	Pass
46	5230	2.05	1.26	0.20	4.88	11.00	Pass
54	5270	2.33	1.72	0.20	5.25	11.00	Pass
62	5310	-3.08	-3.40	0.20	-0.03	11.00	Pass
102	5510	-1.04	-2.15	0.20	1.65	11.00	Pass
110	5550	2.25	1.72	0.20	5.20	11.00	Pass
134	5670	2.21	1.84	0.20	5.24	11.00	Pass
142	5710	1.73	1.77	0.20	4.96	11.00	Pass

Note:
1. Method 1 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. U-NII-1 Band: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 1.70dBi < 6dBi, so the power density limit no need to reduce.
   U-NII-2A Band: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 1.57dBi < 6dBi, so the power density limit no need to reduce.
   U-NII-2C Band: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 0.69dBi < 6dBi, so the power density limit no need to reduce.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
42	5210	-7.88	-8.71	0.41	-4.86	11.00	Pass
58	5290	-7.71	-7.66	0.41	-4.27	11.00	Pass
106	5530	-7.18	-8.34	0.41	-4.30	11.00	Pass
122	5610	-1.15	-1.54	0.41	2.08	11.00	Pass
138	5690	-1.26	-1.59	0.41	2.00	11.00	Pass

Note:
1. Method 1 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. U-NII-1 Band: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 1.70dBi < 6dBi, so the power density limit no need to reduce.
   U-NII-2A Band: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 1.57dBi < 6dBi, so the power density limit no need to reduce.
   U-NII-2C Band: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 0.69dBi < 6dBi, so the power density limit no need to reduce.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value	
802.11a / Chain 0 / CH 100	802.11ac (VHT20) / Chain 0 / CH 144
	
802.11ac (VHT40) / Chain 0 / CH 110	802.11ac (VHT80) / Chain 0 / 122
	

For U-NII-3 band:

802.11a

TX chain	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	144	5720	-4.55	-2.33	3.01	0.13	0.81	30.00	Pass
	149	5745	-2.96	-0.74	3.01	0.13	2.40	30.00	Pass
	157	5785	-2.41	-0.19	3.01	0.13	2.95	30.00	Pass
	165	5825	-2.22	0.00	3.01	0.13	3.14	30.00	Pass
1	144	5720	-4.91	-2.69	3.01	0.13	0.45	30.00	Pass
	149	5745	-2.81	-0.59	3.01	0.13	2.55	30.00	Pass
	157	5785	-2.88	-0.66	3.01	0.13	2.48	30.00	Pass
	165	5825	-2.64	-0.42	3.01	0.13	2.72	30.00	Pass

Note:
1. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 0.42dBi < 6dBi, so the power density limit no need to reduce.
2. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT20)

TX chain	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	144	5720	-4.00	-1.78	3.01	0.10	1.33	30.00	Pass
	149	5745	-3.27	-1.05	3.01	0.10	2.06	30.00	Pass
	157	5785	-2.72	-0.50	3.01	0.10	2.61	30.00	Pass
	165	5825	-2.43	-0.21	3.01	0.10	2.90	30.00	Pass
1	144	5720	-5.30	-3.08	3.01	0.10	0.03	30.00	Pass
	149	5745	-3.16	-0.94	3.01	0.10	2.17	30.00	Pass
	157	5785	-3.09	-0.87	3.01	0.10	2.24	30.00	Pass
	165	5825	-3.26	-1.04	3.01	0.10	2.07	30.00	Pass

Note:
1. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 0.42dBi < 6dBi, so the power density limit no need to reduce.
2. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT40)

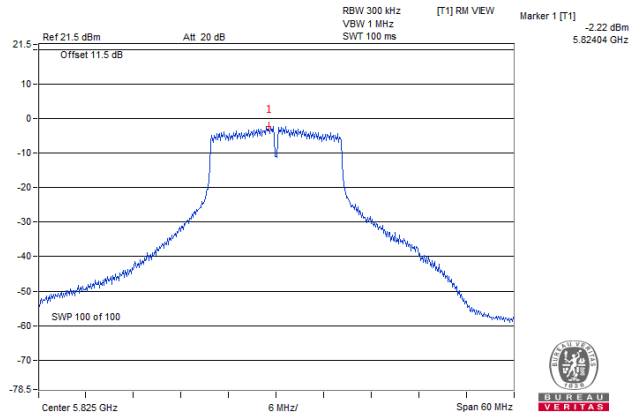
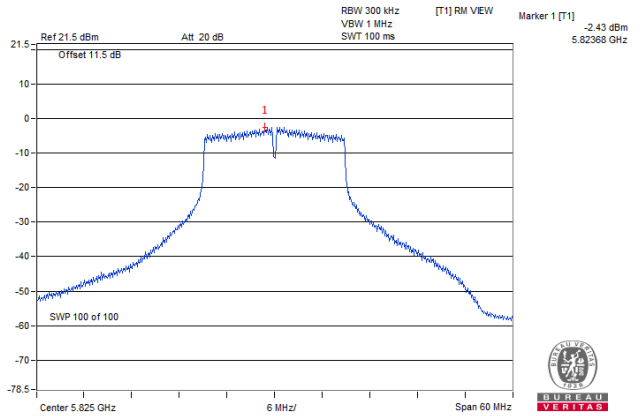
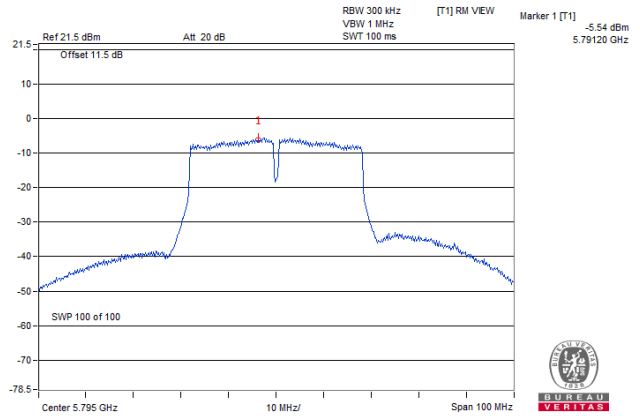
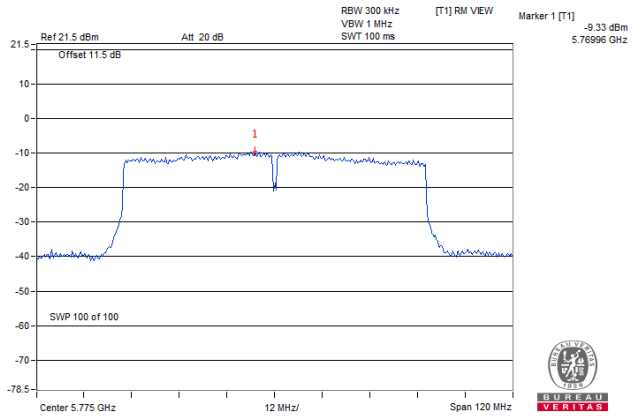
TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/ 500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	142	5710	-8.86	-6.64	3.01	0.20	-3.43	30.00	Pass
	151	5755	-6.24	-4.02	3.01	0.20	-0.81	30.00	Pass
	159	5795	-5.54	-3.32	3.01	0.20	-0.11	30.00	Pass
1	142	5710	-8.89	-6.67	3.01	0.20	-3.46	30.00	Pass
	151	5755	-6.38	-4.16	3.01	0.20	-0.95	30.00	Pass
	159	5795	-6.32	-4.10	3.01	0.20	-0.89	30.00	Pass

Note:
1. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 0.42dBi < 6dBi, so the power density limit no need to reduce.
2. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

TX chain	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	138	5690	-12.20	-9.98	3.01	0.41	-6.56	30.00	Pass
	155	5775	-9.38	-7.16	3.01	0.41	-3.74	30.00	Pass
1	138	5690	-12.85	-10.63	3.01	0.41	-7.21	30.00	Pass
	155	5775	-9.33	-7.11	3.01	0.41	-3.69	30.00	Pass

Note:
1. Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2/2$]= 0.42dBi < 6dBi, so the power density limit no need to reduce.
2. Refer to section 3.3 for duty cycle spectrum plot.

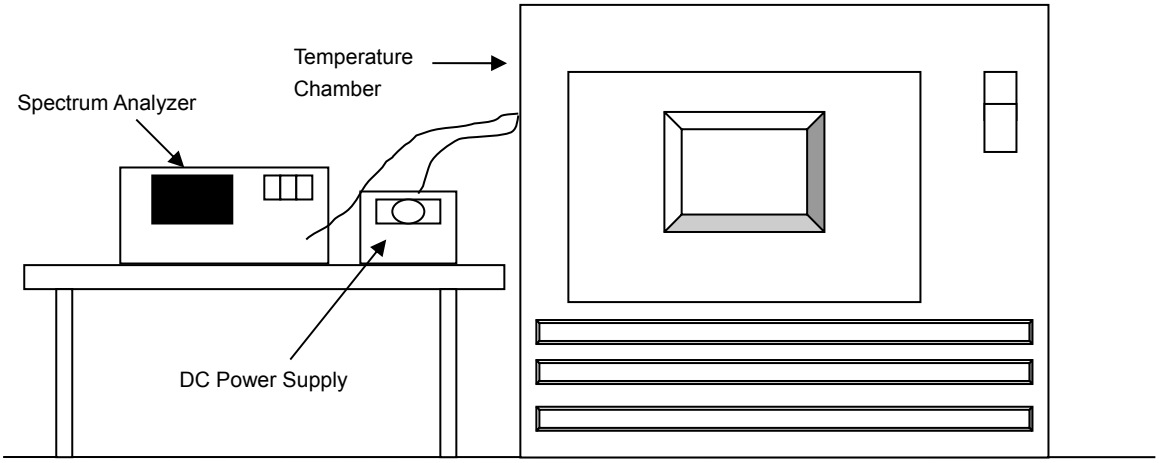
Spectrum Plot of Worst Value	
802.11a	802.11ac (VHT20)
	
802.11ac (VHT40)	802.11ac (VHT80)
	

4.6 Frequency Stability

4.6.1 Limits of Frequency Stability Measurement

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

4.6.2 Test Setup



4.6.3 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Jun. 11, 2018	Jun. 10, 2019
WIT Standard Temperature And Humidity Chamber	TH-4S-C	W981030	Jun. 04, 2018	Jun. 03, 2019
Digital Multimeter Fluke	87-III	70360742	Jun. 29, 2018	Jun. 28, 2019
DC Power Supply Topward	6603D	700637	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.

4.6.4 Test Procedure

a. The EUT was placed inside the environmental test chamber and powered by nominal DC 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.

4.6.5 Deviation from Test Standard

No deviation.

4.6.6 EUT Operating Condition

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

4.6.7 Test Results

Frequency Stability Versus Temp.									
Operating Frequency: 5180MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result
55	3.85	5179.9927	Pass	5179.9939	Pass	5179.9929	Pass	5179.9920	Pass
50	3.85	5180.0109	Pass	5180.0082	Pass	5180.0080	Pass	5180.0120	Pass
40	3.85	5180.0046	Pass	5180.0052	Pass	5180.0080	Pass	5180.0072	Pass
30	3.85	5179.9792	Pass	5179.9796	Pass	5179.9813	Pass	5179.9800	Pass
20	3.85	5179.9755	Pass	5179.9744	Pass	5179.9777	Pass	5179.9763	Pass
10	3.85	5180.0022	Pass	5180.0004	Pass	5179.9997	Pass	5179.9993	Pass
0	3.85	5179.9857	Pass	5179.9833	Pass	5179.9870	Pass	5179.9824	Pass
-10	3.85	5179.9957	Pass	5179.9959	Pass	5179.9915	Pass	5179.9927	Pass

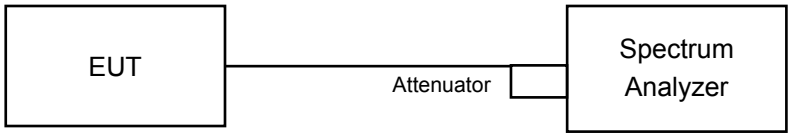
Frequency Stability Versus Voltage									
Operating Frequency: 5180MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result	Measured Frequency (MHz)	Result
20	4.4	5179.9791	Pass	5179.980	Pass	5179.9816	Pass	5179.9804	Pass
	3.85	5179.9792	Pass	5179.9796	Pass	5179.9813	Pass	5179.9800	Pass
	3.6	5179.9791	Pass	5179.9799	Pass	5179.9810	Pass	5179.9808	Pass

4.7 6dB Bandwidth Measurement

4.7.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

4.7.2 Test Setup



4.7.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.7.4 Test Procedure

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

4.7.5 Deviation from Test Standard

No deviation.

4.7.6 EUT Operating Condition

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

4.7.7 Test Results

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
144 (For U-NII-3)	5720	2.56	2.53	0.5	Pass
149	5745	15.37	15.54	0.5	Pass
157	5785	15.22	15.76	0.5	Pass
165	5825	15.40	15.35	0.5	Pass

802.11ac (VHT20)

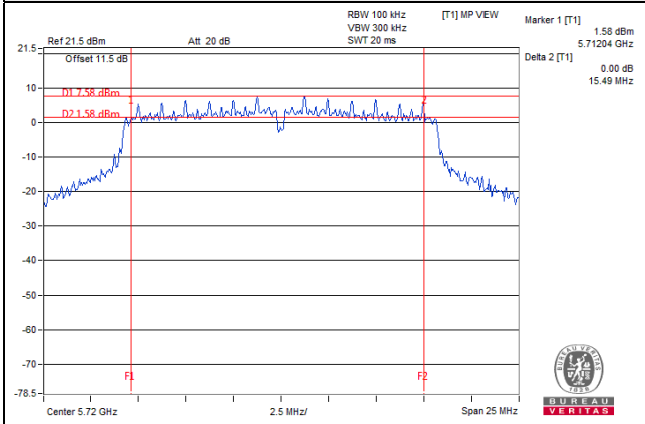
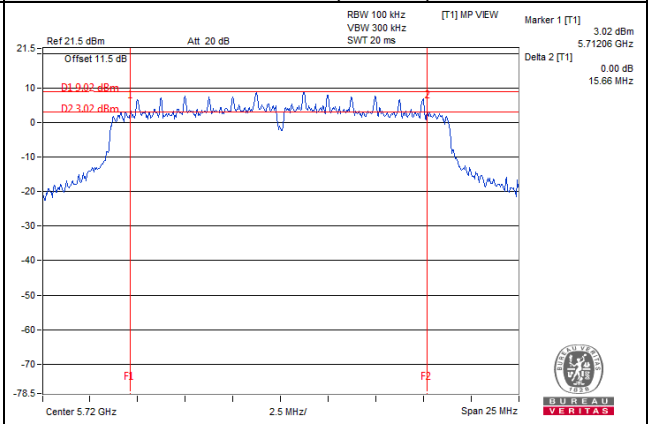
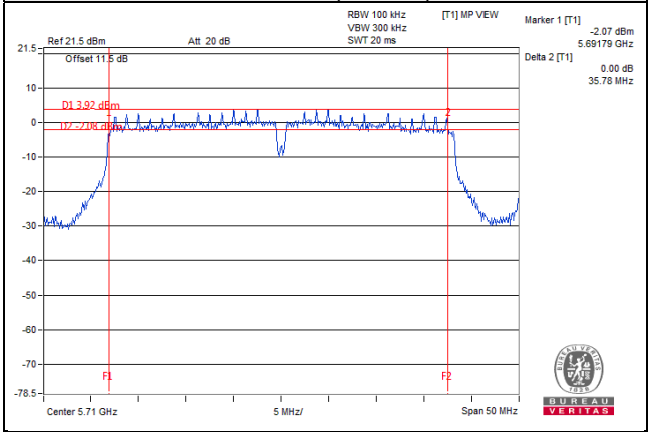
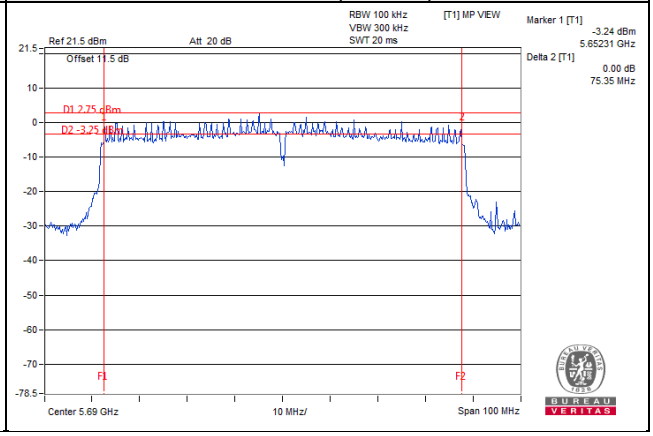
Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
144 (For U-NII-3)	5720	2.72	2.73	0.5	Pass
149	5745	16.00	16.02	0.5	Pass
157	5785	16.03	16.31	0.5	Pass
165	5825	15.49	16.10	0.5	Pass

802.11ac (VHT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
142 (For U-NII-3)	5710	2.60	2.57	0.5	Pass
151	5755	35.48	35.27	0.5	Pass
159	5795	35.25	35.26	0.5	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
138 (For U-NII-3)	5690	2.69	2.66	0.5	Pass
155	5775	75.40	75.35	0.5	Pass

Spectrum Plot of Worst Value	
802.11a	802.11ac (VHT20)
	
802.11ac (VHT40)	802.11ac (VHT80)
	

Note:

For CH144 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

For CH142 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

For CH138 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

4.8 Automatically Discontinue Transmission

4.8.1 Limit of Automatically Discontinue Transmission

FCC 15.407(c) states: The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals.

Applicants shall include in their application for equipment authorization a description of how this requirement is met.

Data transmission is always initiated by software, which is then pass down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets (ACKs, CTS, PSPoll, etc…) are initiated by the MAC. There are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets are being transmitted.

4.8.2 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.8.3 Test Result

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

5 Pictures of Test Arrangements

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

Appendix – Information of 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 FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

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

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Web Site: www.bureauveritas-adt.com

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

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