

TEST REPORT

Applicant	LINXEE (BEIJING)TECHNOLOGY LTD
Address	01,1ST FLOOR, BUILDING 15, EAST OF NO.10YARD, XIBEIWANG EAST ROAD, HAIDIAN DISTRICT, BEIING, P.R.C.

Manufacturer or Supplier	LINXEE (BEIJING)TECHNOLOGY LTD
Address	01,1ST FLOOR, BUILDING 15, EAST OF NO.10YARD, XIBEIWANG EAST ROAD, HAIDIAN DISTRICT, BEIING, P.R.C.
Product	Linxee AgentBox P1
Brand Name	LINXEE
Model	P1
Additional Model & Model Difference	N/A
Date of tests	Jul. 01, 2026 ~ Jul. 13, 2026

The tests have been carried out according to the requirements of the following standard:

☒ **FCC Part 15, Subpart E, Section 15.407**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Lucas Chen Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Aug. 04, 2026

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2606WDG0092-3	Original release.	Aug. 04, 2026

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART E (SECTION 15.407 UNDER NEW RULE)			
STANDARD SECTION	TEST TYPE	RESULT	REMARK
15.407(b)(9)	AC Power Conducted Emissions	PASS	Meet the requirement of limit.
15.407(b)(1/2/3/4/9)	Radiated Emissions & Band Edge Measurement	PASS	Meet the requirement of limit.
15.407(a)(1/2/3)	Max Average Transmit Power	PASS	Meet the requirement of limit.
15.407(a)(1/2/3)	Peak Power Spectral Density	PASS	Meet the requirement of limit.
15.407(g)	Frequency Stability	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	Meet the requirement of limit.

Test Location:

No. 96, Guantai Road (Houjie Section), Houjie Town, Dongguan City, Guangdong Province. 523942. People's Republic of China.

2 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	UNCERTAINTY
Conducted emissions	150kHz~30MHz	3.36dB
Radiated emissions	9kHz~30MHz	2.76dB
	30MHz ~ 1GMHz	4.32dB
	1GHz ~ 18GHz	4.76dB
	18GHz ~ 40GHz	4.50dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.



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3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Linxee AgentBox P1
ADDITIONAL PRODUCT	P1
MODEL NO.	N/A
FCC ID	2BWL B-P1
POWER SUPPLY	DC 12V from Adapter
MODULATION TECHNOLOGY	OFDM, OFDMA
MODULATION TYPE	256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA
TRANSFER RATE	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 300.0Mbps 802.11ac: up to 866.6Mbps 802.11ax: up to 1200.9Mbps
OPERATING FREQUENCY	5150 ~ 5250MHz, 5260 ~ 5320MHz 5500 ~ 5700MHz, (without open 5600~5650MHz) 5725 ~ 5850MHz
NUMBER OF CHANNEL	5180 ~ 5240MHz: 4 channels for 802.11a, 802.11n, 11ac, 11ax (20MHz) 2 channels for 802.11n, 11ac, 11ax (40MHz) 1 channel for 802.11ac, 11ax (80MHz) 5260 ~ 5320MHz: 4 channels for 802.11a, 802.11n, 11ac, 11ax (20MHz) 2 channels for 802.11n, 11ac, 11ax (40MHz): 1 channel for 802.11ac, 11ax 80MHz 5500 ~ 5700MHz: (without open 5600~5650MHz) 8 channels for 802.11a, 802.11n, 11ac, 11ax (20MHz) 2 channels for 802.11n, 11ac, 11ax (40MHz) 1 channel for 802.11ac, 11ax (80MHz) 5745 ~ 5825MHz: 5 channels for 802.11a, 802.11n, 11ac, 11ax (20MHz) 2 channels for 802.11n, 11ac, 11ax (40MHz) 1 channel for 802.11ac, 11ax (80MHz)
CONDUCTED OUTPUT POWER	30.611mW for 5180 ~ 5240MHz (Maximum AVG Power) 31.261mW for 5260 ~ 5320MHz (Maximum AVG Power) 28.840mW for 5500 ~ 5700MHz (Maximum AVG Power) 30.409mW for 5745 ~ 5825MHz (Maximum AVG Power)
ANTENNA TYPE	Chain 0: FPC antenna with 4.98dBi gain Chain 1: FPC antenna with 4.98dBi gain
DATA CABLE	Refer to user's manual
I/O PORTS	Refer to user's manual

NOTES:

1. The working status of the two antennas is as follows.

MODULATION MODE	TX FUNCTION
802.11a	2 Chains (SISO)
802.11n (HT20)/802.11ac (VHT20)/ 802.11ax (HE20)	2 Chains (MIMO)
802.11n (HT40)/802.11ac (VHT40)/ 802.11ax (HE40)	2 Chains (MIMO)
802.11ac (VHT80)/802.11ax (HE80)	2 Chains (MIMO)

* The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz), 802.11ac mode for 20MHz (40MHz, 80MHz, 160MHz) and 802.11ax mode for 20MHz (40MHz, 80MHz), therefore the manufacturer will control the power for 802.11ax mode is the same as the 802.11n/ac mode or more lower than it and investigated worst case to representative mode in test report. (Final test mode refers to section 3.2.1)

* 802.11a provided a SISO function, the radiated emission above 1GHz test item is carried out on the maximum power "chain 1" antenna.

2. The EUT does not support partial RU.
3. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
4. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
5. Please refer to the EUT photo document (Reference No.: 2606WDG0092-1) for detailed product photo.

3.2 DESCRIPTION OF TEST MODES

FOR 5150 ~ 5250MHz

4 channels are provided for 802.11a, 802.11ac 20MHz, 802.11n (20MHz), 802.11ax (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
36	5180 MHz	40	5200 MHz
44	5220 MHz	48	5240 MHz

2 channels are provided for 802.11a c 40MHz, 802.11n (40MHz), 802.11ax (40MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac (80MHz), 802.11ax (80MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
42	5210MHz	--	--

FOR 5250 ~ 5350MHz

4 channels are provided for 802.11a, 802.11a c 20MHz, 802.11n (20MHz), 802.11ax (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
52	5260 MHz	56	5280 MHz
60	5300 MHz	64	5320 MHz

2 channels are provided for 802.11a c 40MHz, 802.11n (40MHz), 802.11ax (40MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
54	5270 MHz	62	5310 MHz

1 channel is provided for 802.11ac (80MHz), 802.11ax (80MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
58	5290MHz	--	--

FOR 5470 ~ 5725MHz

11 channels are provided for 802.11a, 802.11a c 20MHz, 802.11n (20MHz), 802.11ax (20MHz):

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

5 channels are provided for 802.11ac 40MHz, 802.11n (40MHz), 802.11ax (40MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
102	5510 MHz	110	5550 MHz
118	5590 MHz	126	5630 MHz
134	5670 MHz	--	--

2 channel is provided for 802.11ac (80MHz), 802.11ax (80MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
106	5530MHz	122	5610MHz

FOR 5725 ~ 5850MHz

5 channels are provided for 802.11a, 802.11ac 20MHz, 802.11n (20MHz), 802.11ax (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
149	5745MHz	153	5765MHz
157	5785MHz	161	5805MHz
165	5825MHz	--	--

2 channels are provided for 802.11ac 40MHz, 802.11n (40MHz), 802.11ax (40MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
151	5755MHz	159	5795MHz

1 channel is provided for 802.11ac (80MHz), 802.11ax (80MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
155	5775MHz	--	--

3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE $\geq$ 1G	RE<1G	PLC	APCM	
-	√	√	√	√	DC 12V from Adapter

Where **RE $\geq$ 1G**: Radiated Emission above 1GHz

RE<1G: Radiated Emission below 1GHz

PLC: Power Line Conducted Emission

APCM: Antenna Port Conducted Measurement

NOTE:

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

NOTE: “-” means no effect.

RADIATED EMISSION TEST (ABOVE 1GHz):

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

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11a	5150-5250	36 to 48	36, 40, 48	OFDM	BPSK	6.0
	802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	BPSK	6.5
	802.11n (40MHz)		38 to 46	38, 46	OFDM	BPSK	13.5
	802.11ac 80MHz		42	42	OFDM	BPSK	29.3
	802.11a	5250-5350	52 to 64	52, 60, 64	OFDM	BPSK	6.0
	802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	BPSK	6.5
	802.11n (40MHz)		54 to 62	54, 62	OFDM	BPSK	13.5
	802.11ac 80MHz		58	58	OFDM	BPSK	29.3
	802.11a	5470-5725	100 to 140	100, 116, 140	OFDM	BPSK	6.0
	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	BPSK	6.5
	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	13.5
	802.11ac 80MHz		106	106	OFDM	BPSK	29.3
	802.11a	5725-5850	149 to 165	149, 157, 165	OFDM	BPSK	6.0
	802.11n (20MHz)		149 to 165	149, 157, 165	OFDM	BPSK	6.5
	802.11n (40MHz)		151 to 159	151, 159	OFDM	BPSK	13.5
	802.11ac 80MHz		155	155	OFDM	BPSK	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	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11a	5150-5250 5250-5350 5470-5725 5725-5850	36 to 48 52 to 64 100 to 140 149 to 165	36	OFDM	BPSK	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	TESTED CONDITION
-	WIFI (5G) Link

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	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
-	802.11a	5150-5250	36 to 48	36, 40, 48	OFDM	BPSK	6.0
-	802.11n (20MHz)		36 to 48	36, 40, 48	OFDM	BPSK	6.5
-	802.11n (40MHz)		38 to 46	38, 46	OFDM	BPSK	13.5
-	802.11ac (80MHz)		42	42	OFDM	BPSK	29.3
-	802.11ax (20MHz) Output power only		36 to 48	36, 40, 48	OFDMA	BPSK	8.0
-	802.11ax (40MHz) Output power only		38 to 46	38, 46	OFDMA	BPSK	16.0
-	802.11ax (80MHz) Output power only		42	42	OFDMA	BPSK	34.0
-	802.11a	5250-5350	52 to 64	52, 60, 64	OFDM	BPSK	6.0
-	802.11n (20MHz)		52 to 64	52, 60, 64	OFDM	BPSK	6.5
-	802.11n (40MHz)		54 to 62	54, 62	OFDM	BPSK	13.5
-	802.11ac (80MHz)		58	58	OFDM	BPSK	29.3
-	802.11ax (20MHz) Output power only		52 to 64	52, 60, 64	OFDMA	BPSK	8.0
-	802.11ax (40MHz) Output power only		54 to 62	54, 62	OFDMA	BPSK	16.0
-	802.11ax (80MHz) Output power only		58	58	OFDMA	BPSK	34.0

-	802.11a	5470-5725	100 to 140	100, 116, 140	OFDM	BPSK	6.0
-	802.11n (20MHz)		100 to 140	100, 116, 140	OFDM	BPSK	6.5
-	802.11n (40MHz)		102 to 134	102, 110, 134	OFDM	BPSK	13.5
-	802.11ac (80MHz)		106 to 122	106, 122	OFDM	BPSK	29.3
-	802.11ax (20MHz) Output power only		100 to 140	100, 116, 140	OFDMA	BPSK	8.0
-	802.11ax (40MHz) Output power only		102 to 134	102, 110, 134	OFDMA	BPSK	16.0
-	802.11ax (80MHz) Output power only		106 to 122	106, 122	OFDMA	BPSK	34.0
-	802.11a	5725-5850	149 to 165	149, 157, 165	OFDM	BPSK	6.0
-	802.11n (20MHz)		149 to 165	149, 157, 165	OFDM	BPSK	6.5
-	802.11n (40MHz)		151 to 159	151, 159	OFDM	BPSK	13.5
-	802.11ac (80MHz)		155	155	OFDM	BPSK	29.3
-	802.11ax (20MHz) Output power only		149 to 165	149, 157, 165	OFDMA	BPSK	8.0
-	802.11ax (40MHz) Output power only		151 to 159	151, 159	OFDMA	BPSK	16.0
-	802.11ax (80MHz) Output power only		155	155	OFDMA	BPSK	34.0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE<1G	25deg. C, 51%RH	DC 12V from Adapter	Ludius
RE≥1G	25deg. C, 51%RH	DC 12V from Adapter	Ludius
PLC	25deg. C, 58%RH	DC 12V from Adapter	Summer
APCM	25deg. C, 60%RH	DC 12V from Adapter	Jeffery

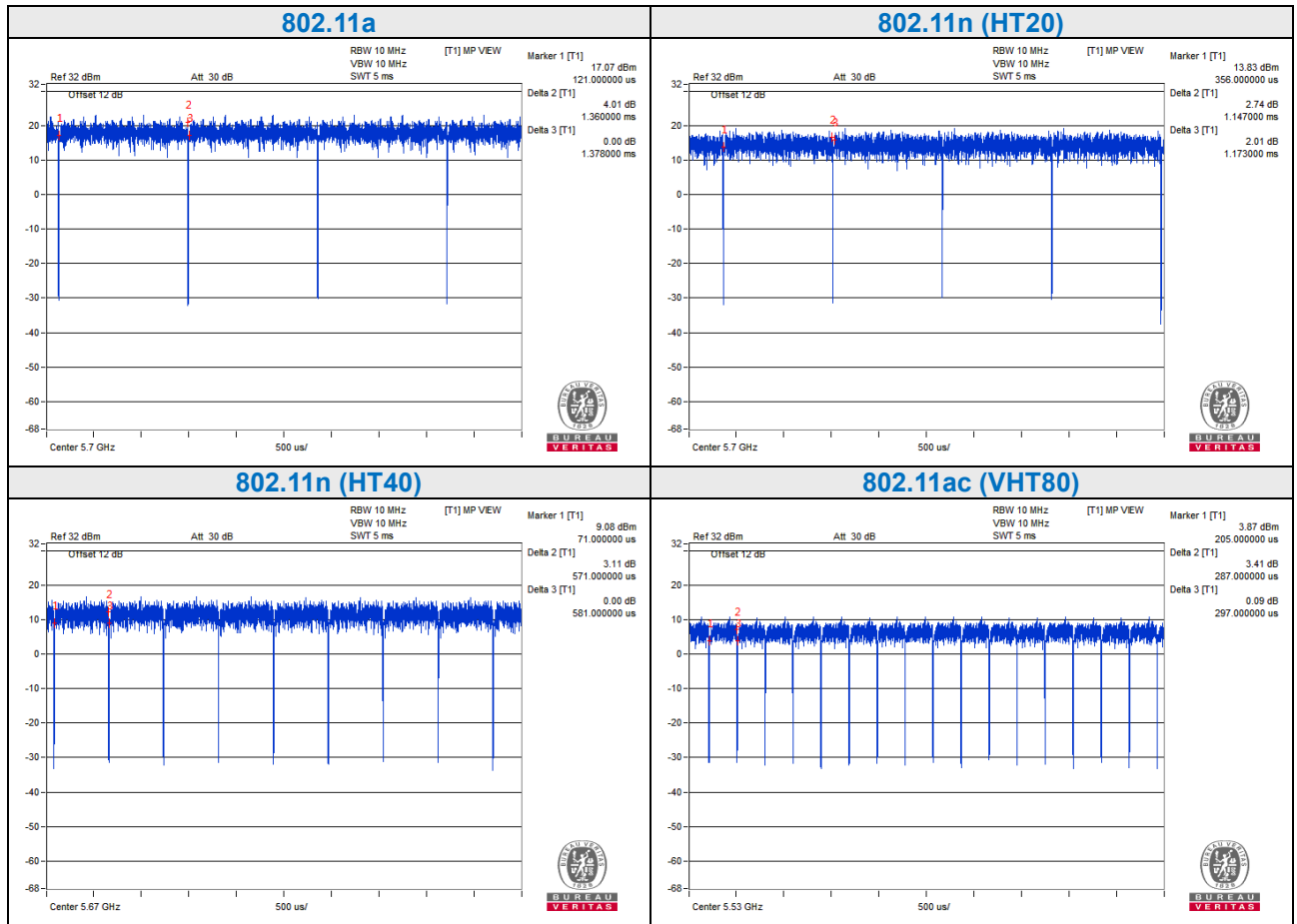


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3.3 DUTY CYCLE OF TEST SIGNAL

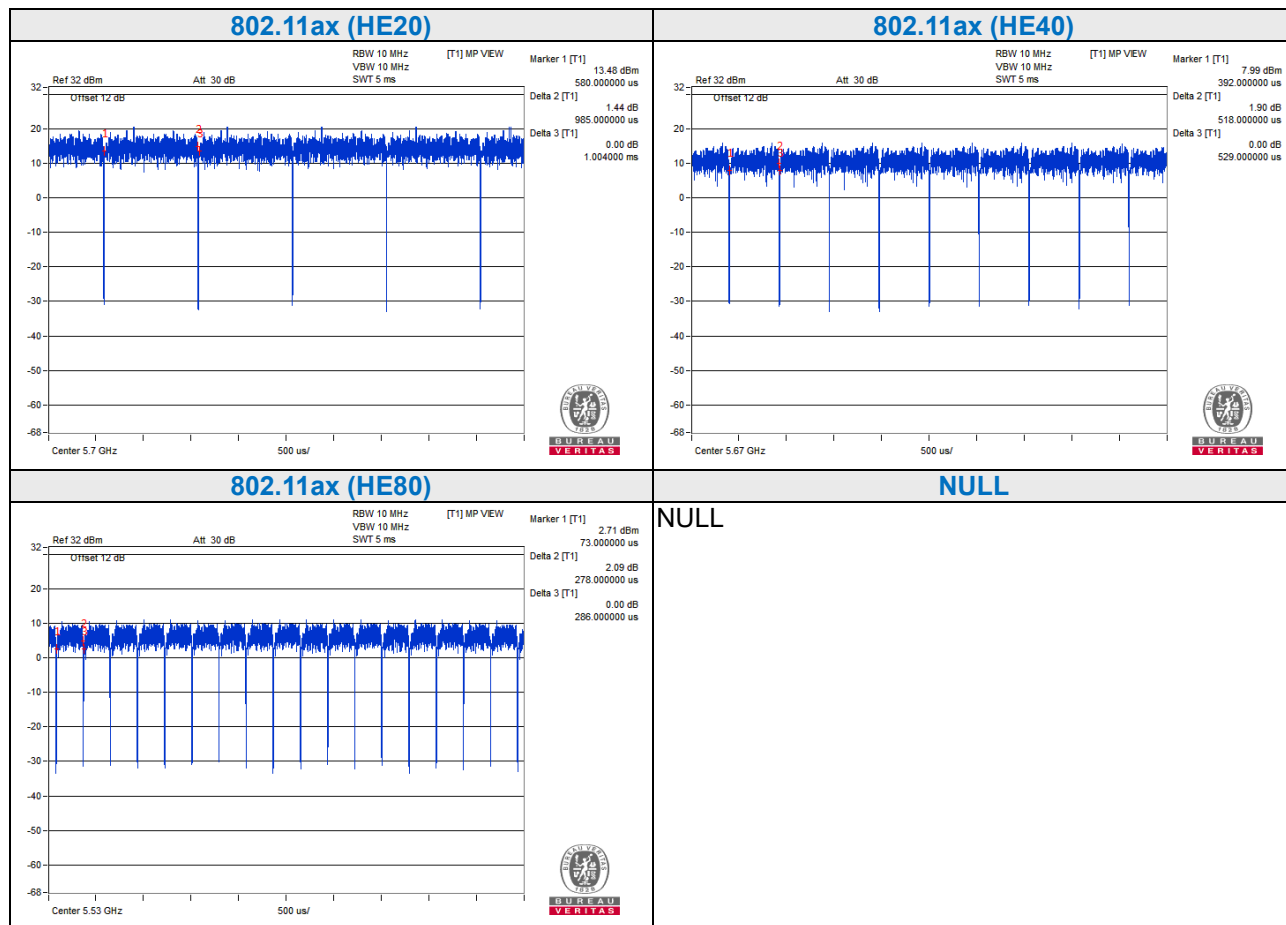
Test Mode	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty factor (dB)	1/T Min. VBW (KHz)	VBW Setting
802.11a	1.36	1.378	98.7	/	/	10Hz
802.11n (HT20)	1.147	1.173	98.0	/	/	10Hz
802.11n (HT40)	0.571	0.581	98.3	/	/	10Hz
802.11ac (VHT80)	0.287	0.297	96.6	0.15	3.484	10KHz
802.11ax (HE20)	0.985	1.004	98.11	/	/	10Hz
802.11ax (HE40)	0.518	0.529	98.0	/	/	10Hz
802.11ax (HE80)	0.278	0.286	97.2	0.12	3.597	10KHz



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3.4 DESCRIPTION OF SUPPORT UNITS

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

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	Remark
1	Notebook	DELL	Inspiron 13-7378	GMSJZD2	N/A

NO.	DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	AC Line: Unshielded, detachable 0.8m; DC Line: Unshielded, non-detachable 1.8m

3.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is an RF Product. According to the specification of the EUT declared by 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 Procedures New Rules v02r01

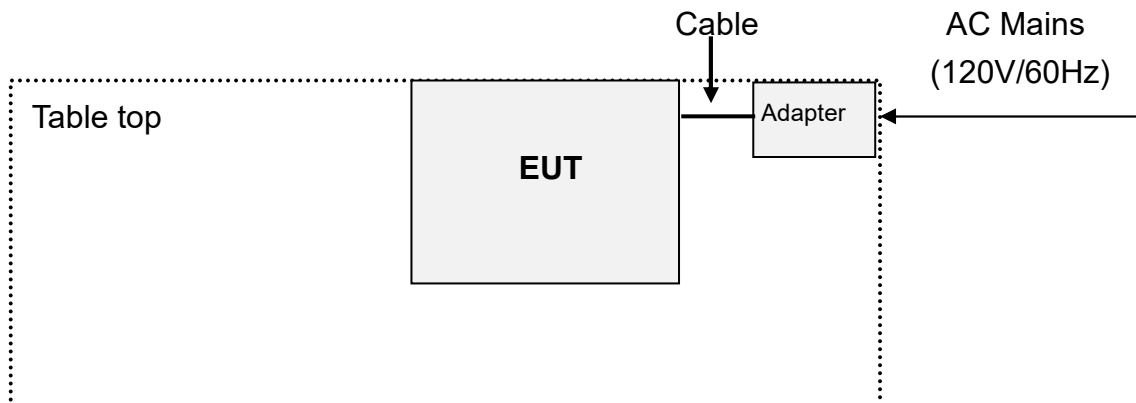
KDB 662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10-2020

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

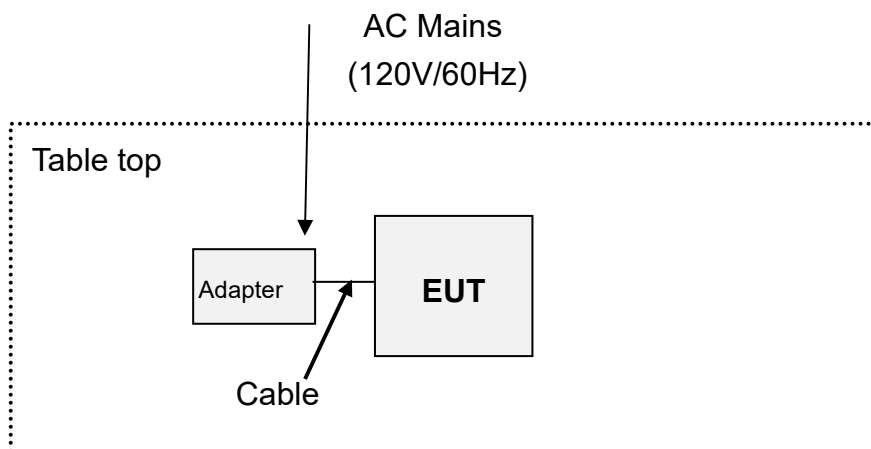
3.6 CONFIGURATION OF SYSTEM UNDER TEST

For Conducted Emission Test



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

For Radiated Emission Test



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

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

NOTES:

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 30dB under any condition of modulation.

4.1.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

APPLICABLE TO	LIMIT	
789033 D02 General UNII Test Procedures New Rules v01r03	FIELD STRENGTH AT 3m	
	PK: 74 (dBμV/m)	AV: 54 (dBμV/m)
APPLICABLE TO	EIRP LIMIT	EQUIVALENT FIELD STRENGTH AT 3m
15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
15.407(b)(2)		
15.407(b)(3)		
15.407(b)(4)	Note	Note

NOTE: For transmitters operating in the 5.725-5.85 GHz band:

Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the alternative limit.

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

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

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



BUREAU
VERITAS

Test Report No.: RF2606WDG0092-3

4.1.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Oct. 09, 26
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV7	102331	Apr. 08, 27
Active Loop Antenna (9KHz -30MHz)	SCHWARZBECK	FMZB 1519B	1519B-045	Apr. 13, 27
Amplifier (9KHz -1GHz)	Burgeon	BPA-530	100210	Feb. 12, 27
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-554	Dec. 14, 26
Horn Antenna (1GHz -18GHz)	ETS -Lindgren	3117	0085519	Oct. 11, 26
Horn Antenna (18GHz -40GHz)	SCHWARZBECK	BBHA 9170	BBHA9170147	Apr. 19, 27
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	NSEMC003	May 16, 27
Test Software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A
Broadband Preamplifier (1GHz~18GHz)	SCHWARZBECK	BBV9718	305	Feb. 12, 27
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Oct. 10, 26

NOTES:

1. The test was performed in 966 Chamber.
2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.
3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site registration No. is 749762, and the designation number is CN1174.

4.1.4 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 1.5 meters (above 1GHz) and 0.8 meters (below 1GHz) above the ground at a 3 meters semi-anechoic chamber. 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 antenna is a broadband antenna, and its height 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 Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

NOTES:

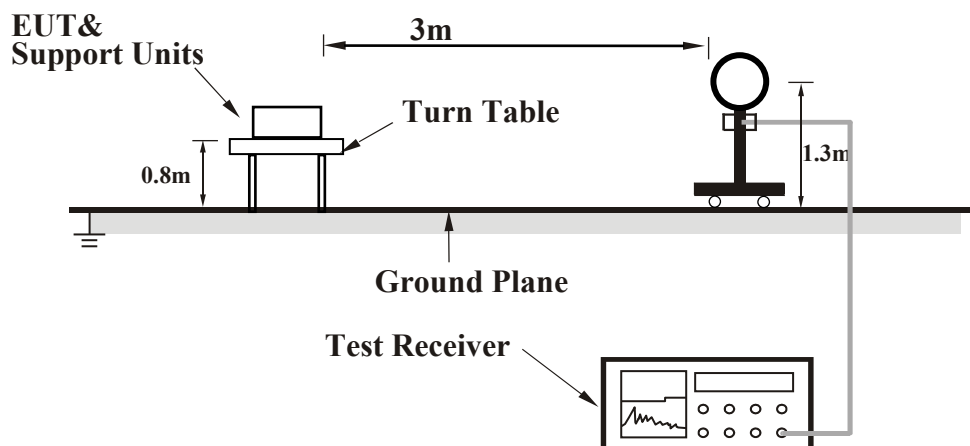
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (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.

4.1.5 DEVIATION FROM TEST STANDARD

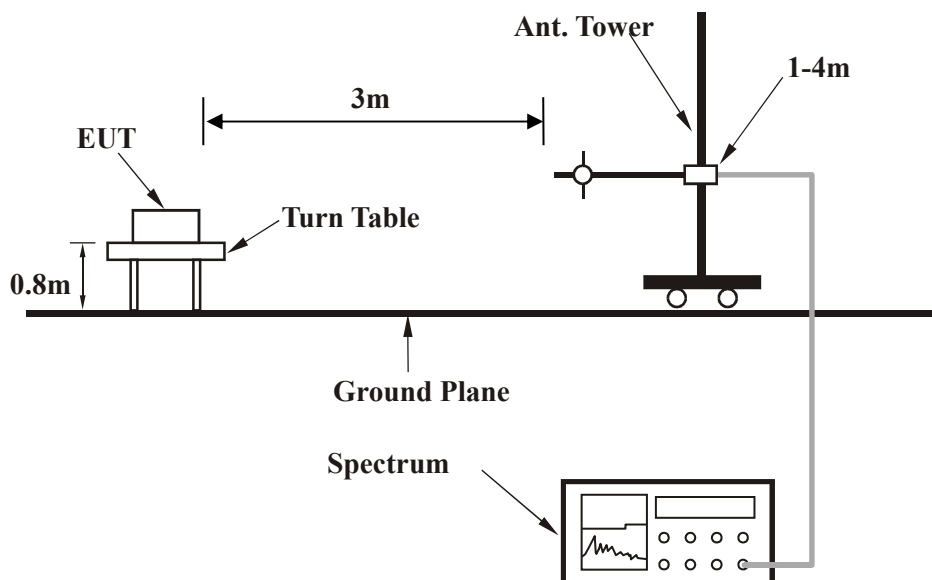
No deviation.

4.1.6 TEST SETUP

Below 30MHz

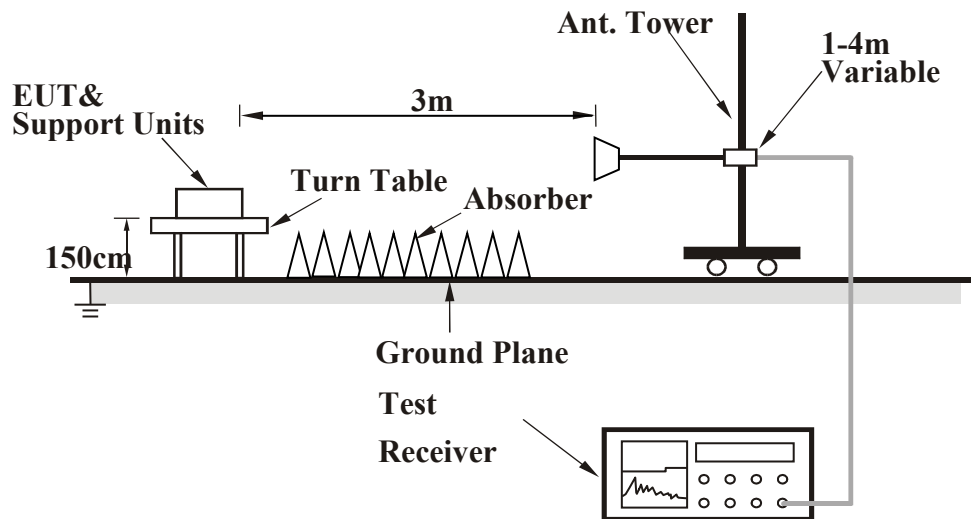


Below 1GHz test setup



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

Above 1GHz test setup



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

4.1.7 EUT OPERATING CONDITION

- Set the EUT under full load condition and placed them on a testing table.
- Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.
- The necessary accessories enable the EUT in full functions.

4.1.8 TEST RESULTS

BELOW 1GHz WORST-CASE DATA

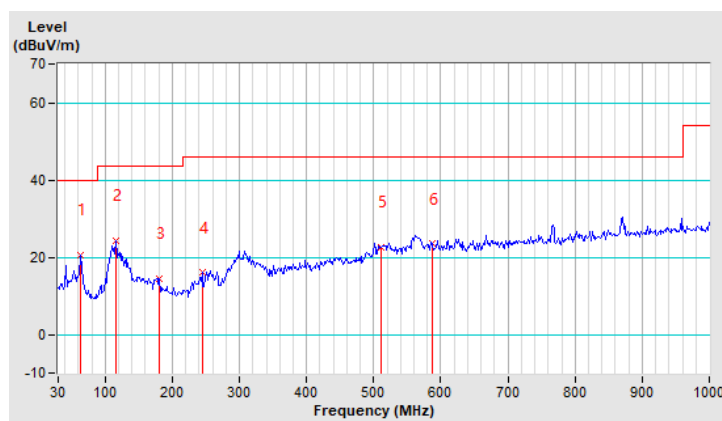
802.11a

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 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	64.20	20.64 QP	40.00	-19.36	1.45 H	90	38.39	-17.75
2	115.50	24.25 QP	43.50	-19.25	1.58 H	103	43.47	-19.22
3	180.79	14.50 QP	43.50	-29.00	1.73 H	117	32.76	-18.26
4	244.52	15.97 QP	46.00	-30.03	2.05 H	149	33.87	-17.90
5	510.34	22.50 QP	46.00	-23.50	2.19 H	162	33.18	-10.68
6	586.51	23.47 QP	46.00	-22.53	2.31 H	175	32.14	-8.67

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. 9KHz~30MHz have been test and test data more than 20dB margin.
5. Margin value = Emission level – Limit value.

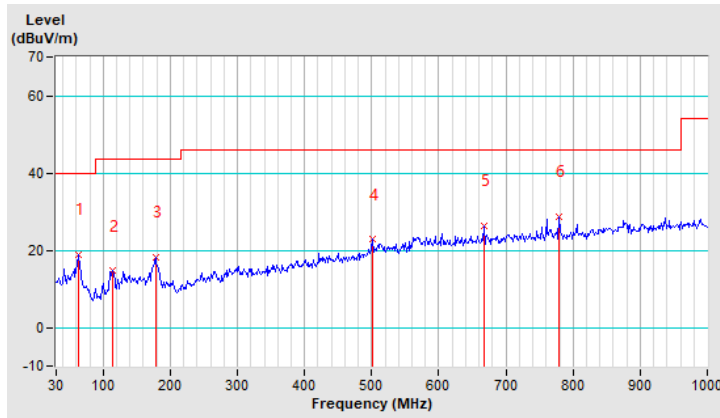


CHANNEL	TX Channel 36	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

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	62.64	18.87 QP	40.00	-21.13	1.20 V	35	36.38	-17.51
2	113.94	14.58 QP	43.50	-28.92	1.46 V	61	33.96	-19.38
3	177.68	18.07 QP	43.50	-25.43	1.33 V	48	35.99	-17.92
4	501.01	22.75 QP	46.00	-23.25	1.64 V	78	33.58	-10.83
5	667.34	26.26 QP	46.00	-19.74	1.77 V	92	33.69	-7.43
6	779.26	28.65 QP	46.00	-17.35	1.90 V	105	34.43	-5.78

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. 9KHz~30MHz have been test and test data more than 20dB margin.
5. Margin value = Emission level – Limit value.



Band 1 (5150-5250MHz):

ABOVE 1GHz DATA

802.11a

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

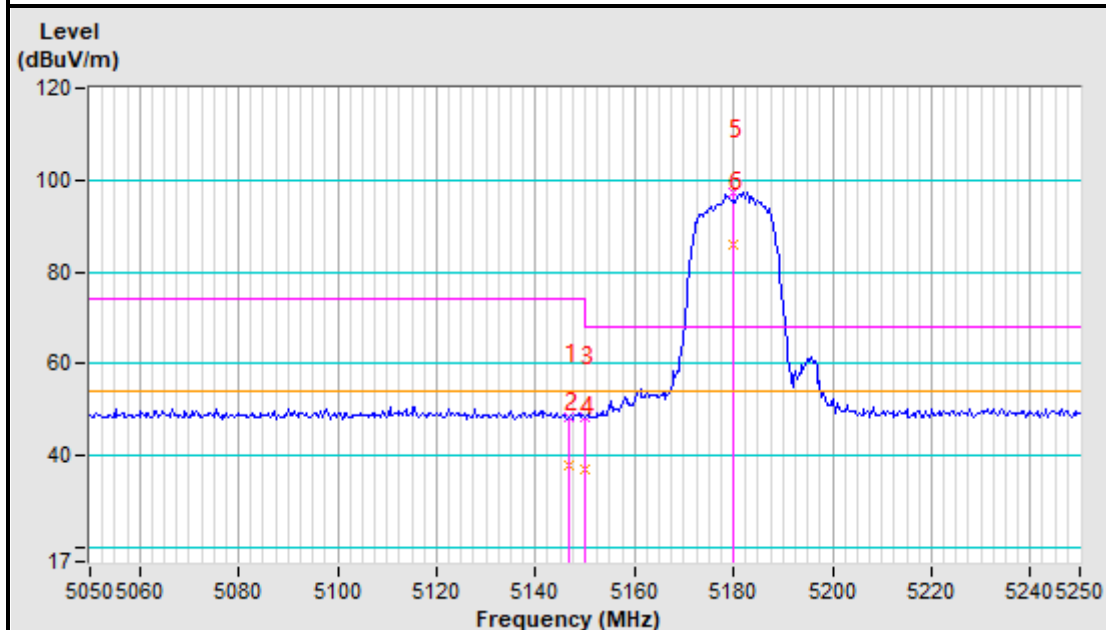
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5146.58	48.51 PK	74.00	-25.49	1.66 H	248	42.81	5.70
2	5146.58	38.06 AV	54.00	-15.94	1.66 H	248	32.36	5.70
3	5150.00	48.40 PK	74.00	-25.60	1.63 H	220	42.70	5.70
4	5150.00	37.26 AV	54.00	-16.74	1.63 H	220	31.55	5.70
5	*5180.00	97.39 PK			1.42 H	195	91.64	5.75
6	*5180.00	86.01 AV			1.42 H	195	80.26	5.75
7	#10360.00	46.21 PK	68.20	-21.99	1.77 H	25	41.10	5.11
8	15540.00	45.48 PK	74.00	-28.52	1.77 H	69	41.65	3.83
9	15540.00	34.04 AV	54.00	-19.96	1.77 H	69	30.21	3.83
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	5142.62	51.98 PK	74.00	-22.02	1.66 V	21	46.29	5.69
2	5142.62	38.47 AV	54.00	-15.53	1.66 V	21	32.78	5.69
3	5150.00	53.49 PK	74.00	-20.51	1.14 V	105	47.79	5.70
4	5150.00	38.39 AV	54.00	-15.61	1.14 V	105	32.69	5.70
5	*5180.00	108.08 PK			1.77 V	25	102.33	5.75
6	*5180.00	96.09 AV			1.77 V	25	90.34	5.75
7	#10360.00	46.82 PK	68.20	-21.38	1.25 V	32	41.71	5.11
8	15540.00	45.61 PK	74.00	-28.39	1.33 V	317	41.78	3.83
9	15540.00	34.59 AV	54.00	-19.41	1.33 V	317	30.76	3.83

REMARKS:

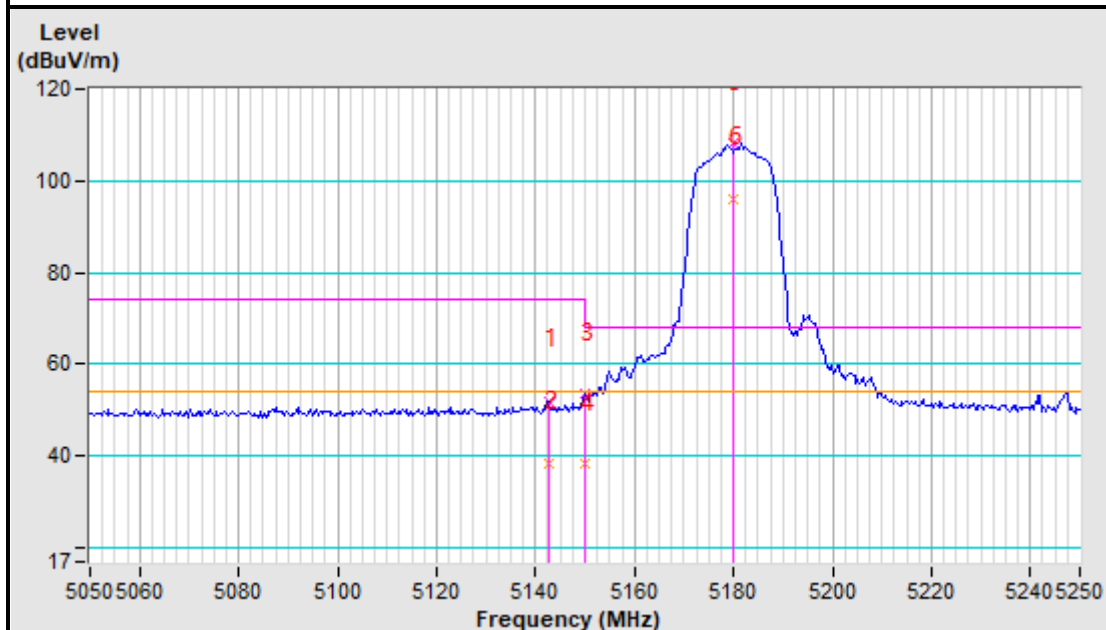
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.
6. " # " : The radiated frequency is out of the restricted band.

Band edge Plot

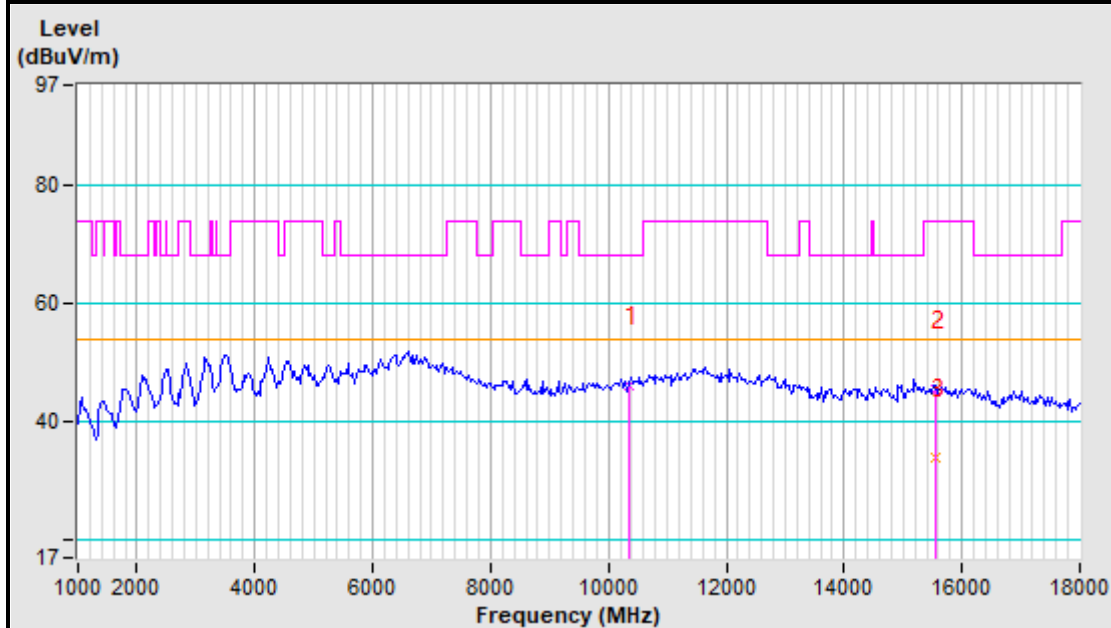
5180MHz Horizontal



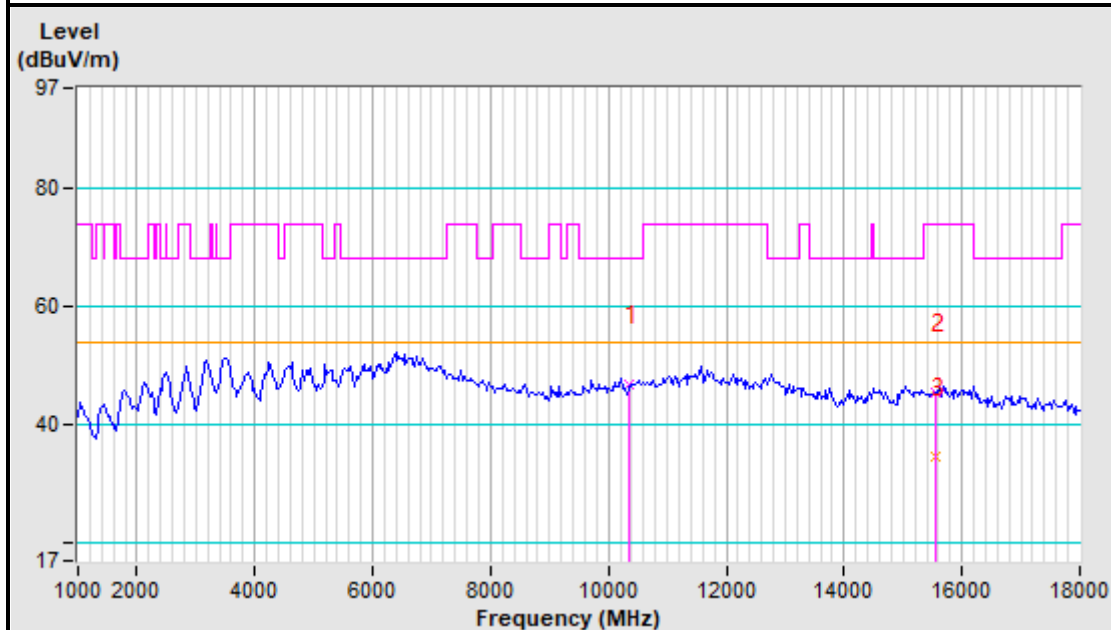
5180MHz Vertical



5180MHz Horizontal

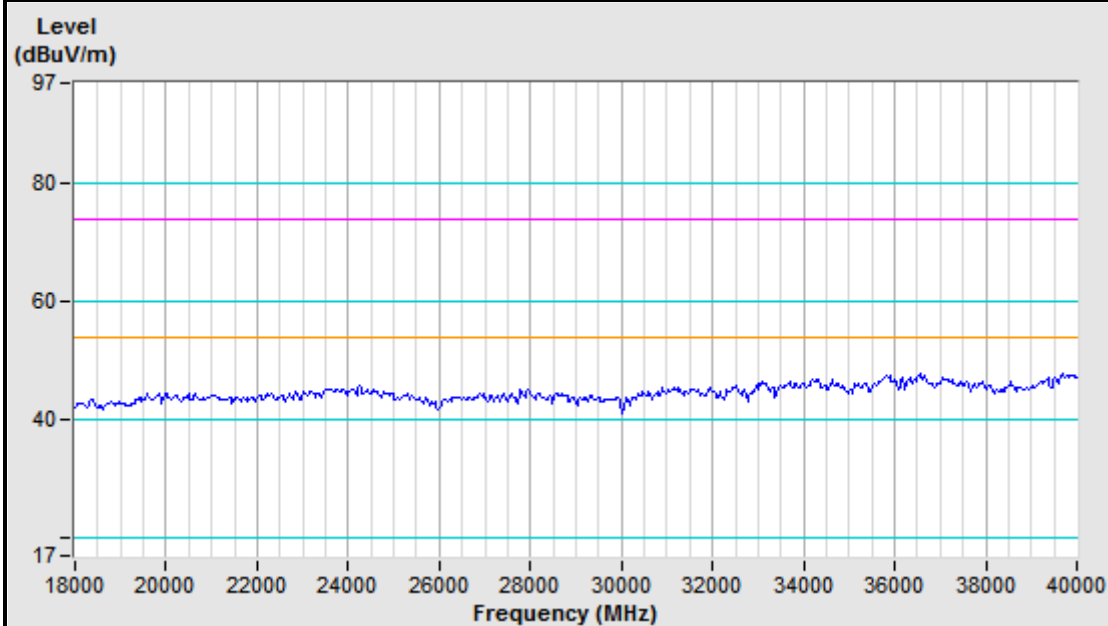


5180MHz Vertical

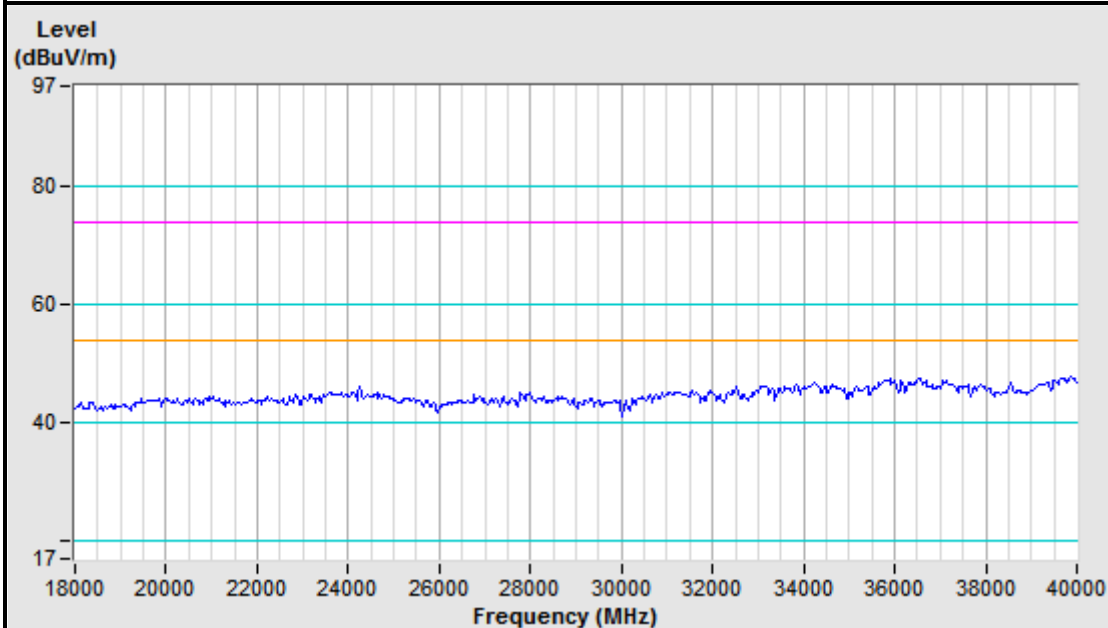


Note: When the harmonic frequency test a fundamental frequency filter is used.

5180MHz Horizontal



5180MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

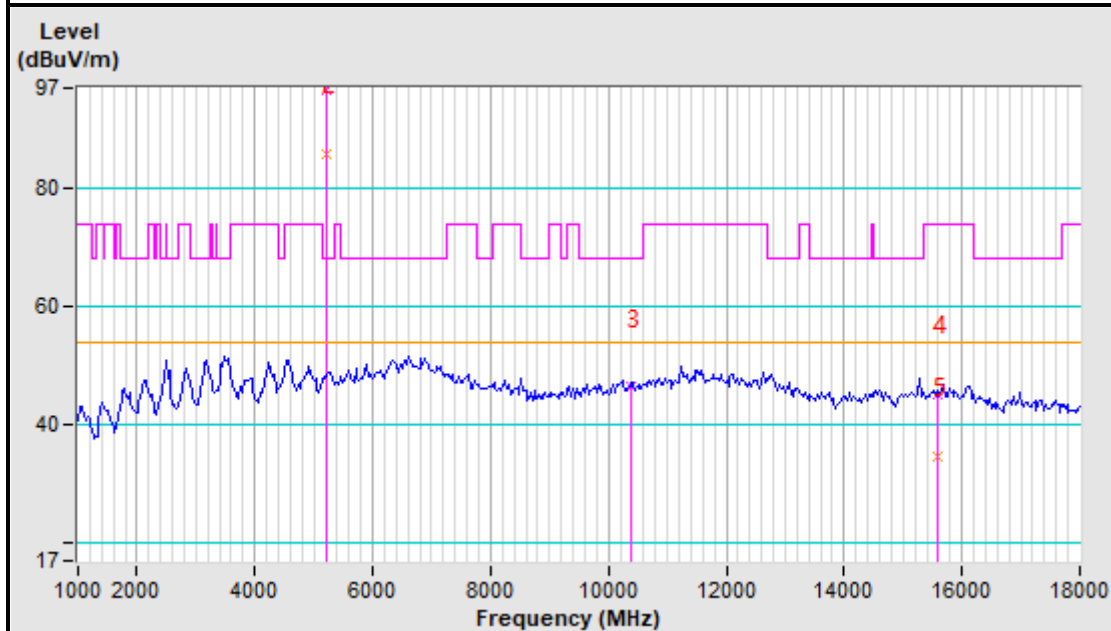
CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	96.82 PK			1.33 H	25	91.04	5.78
2	*5200.00	85.78 AV			1.33 H	25	80.00	5.78
3	#10400.00	46.34 PK	68.20	-21.86	1.44 H	258	41.14	5.20
4	15600.00	45.21 PK	74.00	-28.79	1.77 H	58	41.38	3.83
5	15600.00	34.78 AV	54.00	-19.22	1.77 H	58	30.95	3.83
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	107.39 PK			1.28 V	51	101.61	5.78
2	*5200.00	96.35 AV			1.28 V	51	90.57	5.78
3	#10400.00	46.65 PK	68.20	-21.55	1.77 V	24	41.45	5.20
4	15600.00	45.77 PK	74.00	-28.23	1.22 V	158	41.94	3.83
5	15600.00	35.19 AV	54.00	-18.81	1.22 V	158	31.36	3.83

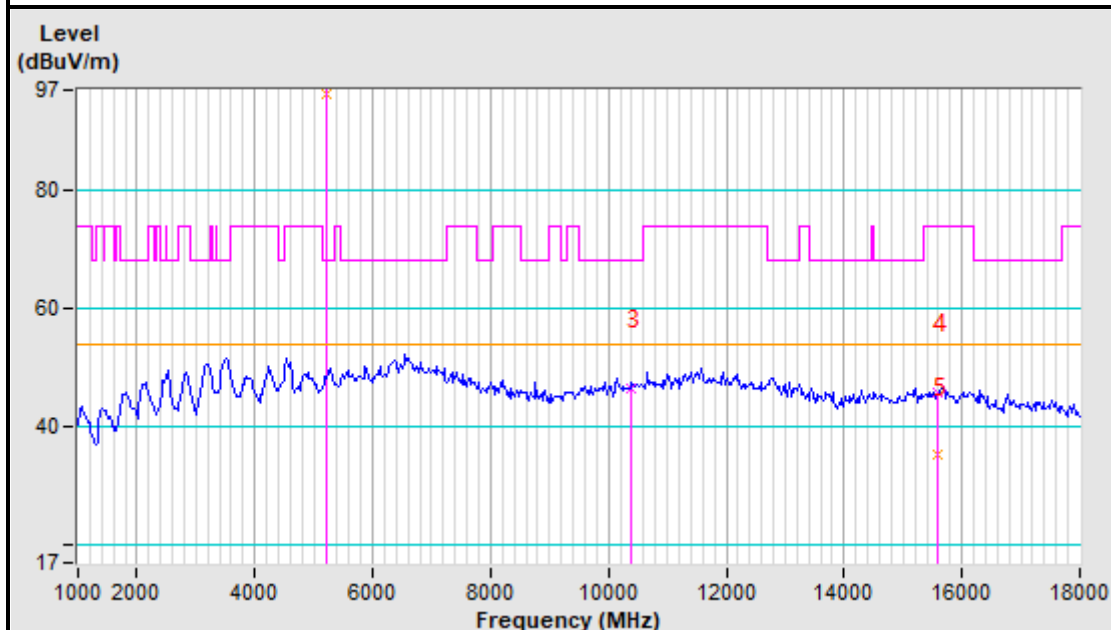
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

5200MHz Horizontal

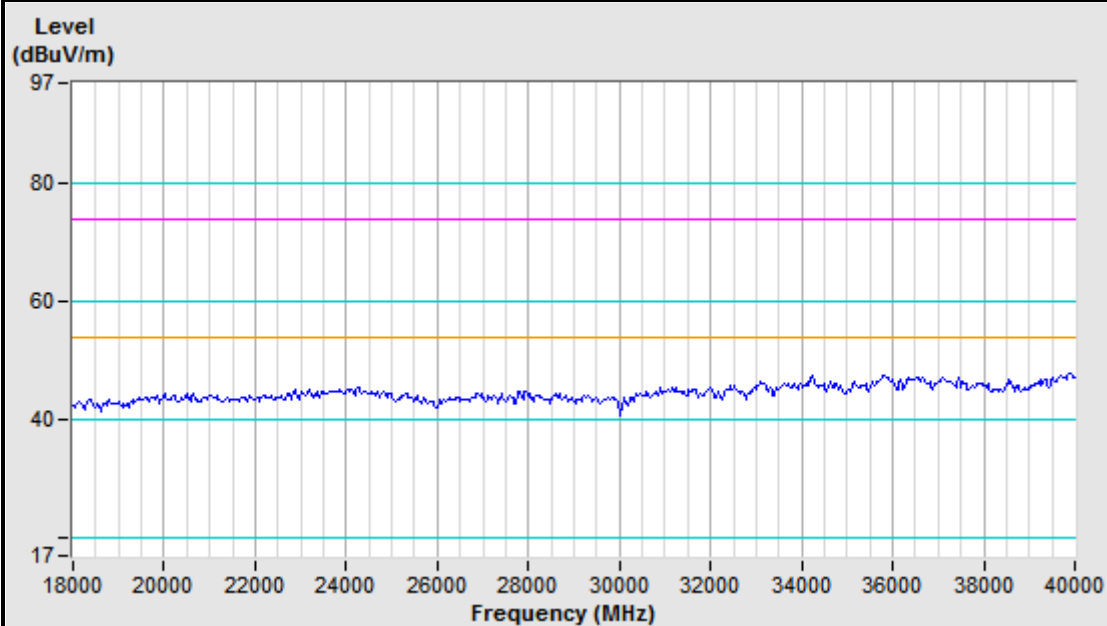


5200MHz Vertical

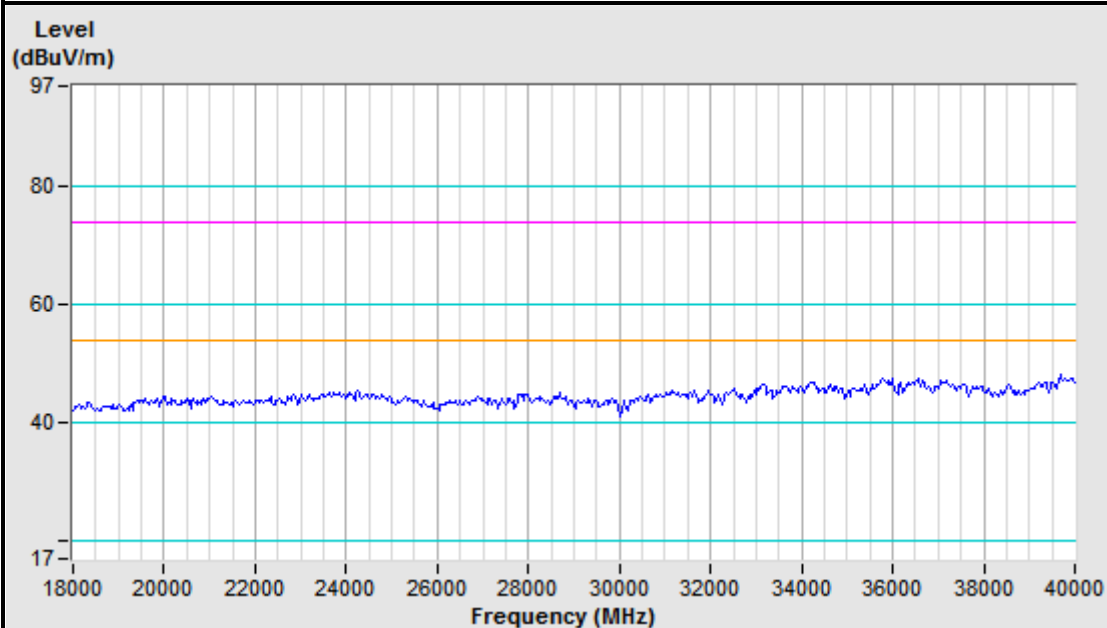


Note: When the harmonic frequency test a fundamental frequency filter is used.

5200MHz Horizontal



5200MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

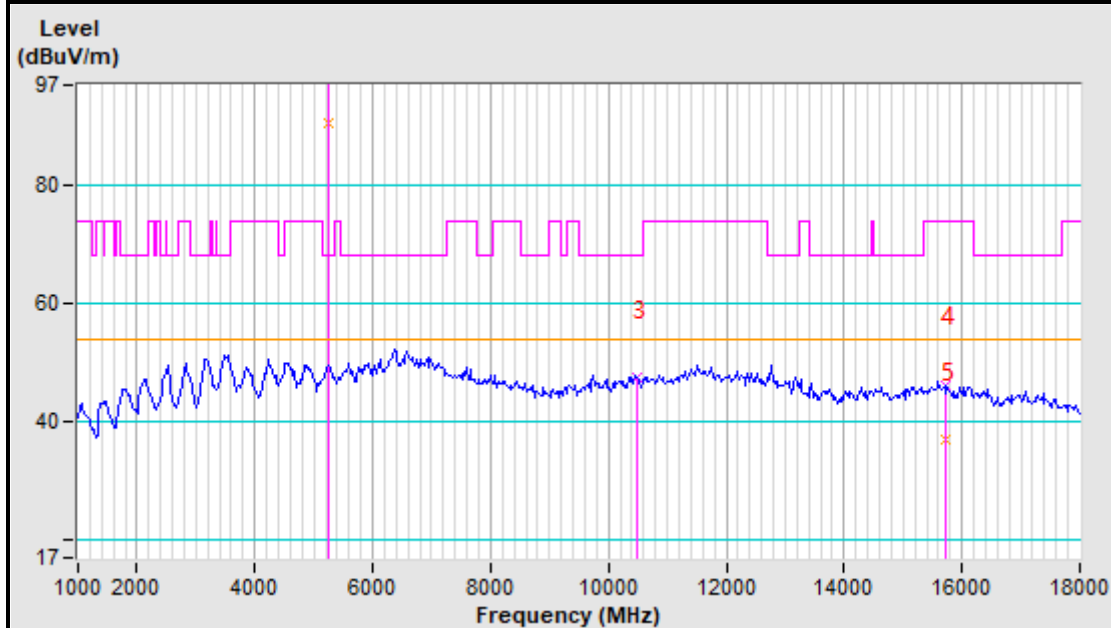
CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	100.85 PK			1.77 H	58	95.01	5.84
2	*5240.00	90.64 AV			1.77 H	58	84.80	5.84
3	#10480.00	47.37 PK	68.20	-20.83	1.88 H	63	41.99	5.38
4	15720.00	46.31 PK	74.00	-27.69	1.35 H	22	42.48	3.83
5	15720.00	36.88 AV	54.00	-17.12	1.35 H	22	33.05	3.83
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	111.03 PK			1.66 V	51	105.19	5.84
2	*5240.00	99.25 AV			1.66 V	51	93.41	5.84
3	#10480.00	47.25 PK	68.20	-20.95	1.66 V	35	41.87	5.38
4	15720.00	46.09 PK	74.00	-27.91	1.77 V	45	42.26	3.83
5	15720.00	34.47 AV	54.00	-19.53	1.77 V	45	30.64	3.83

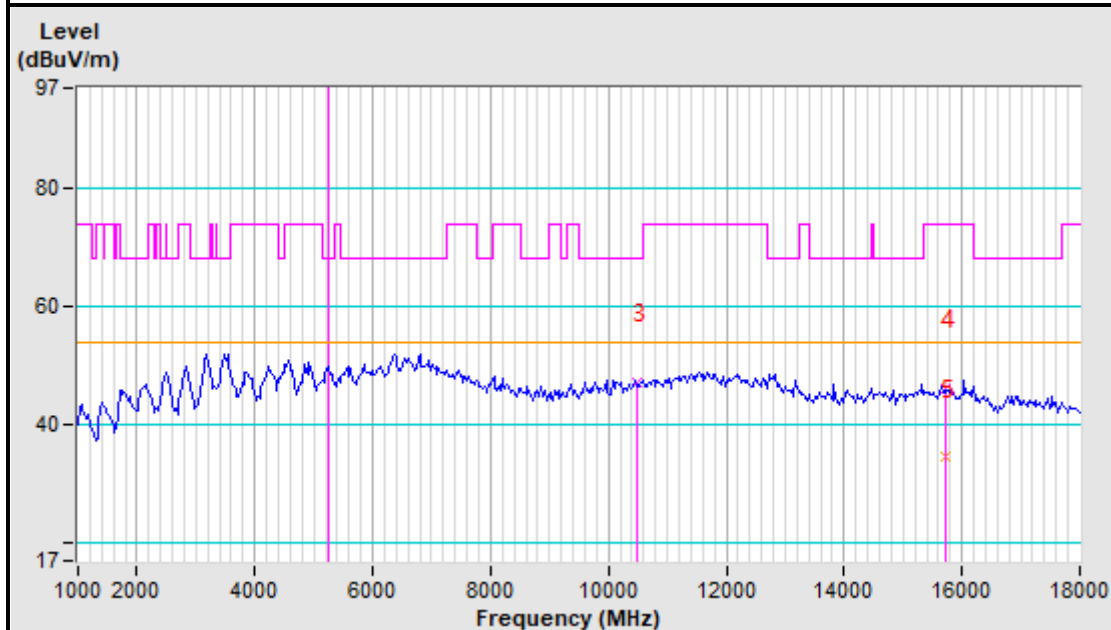
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

5240MHz Horizontal

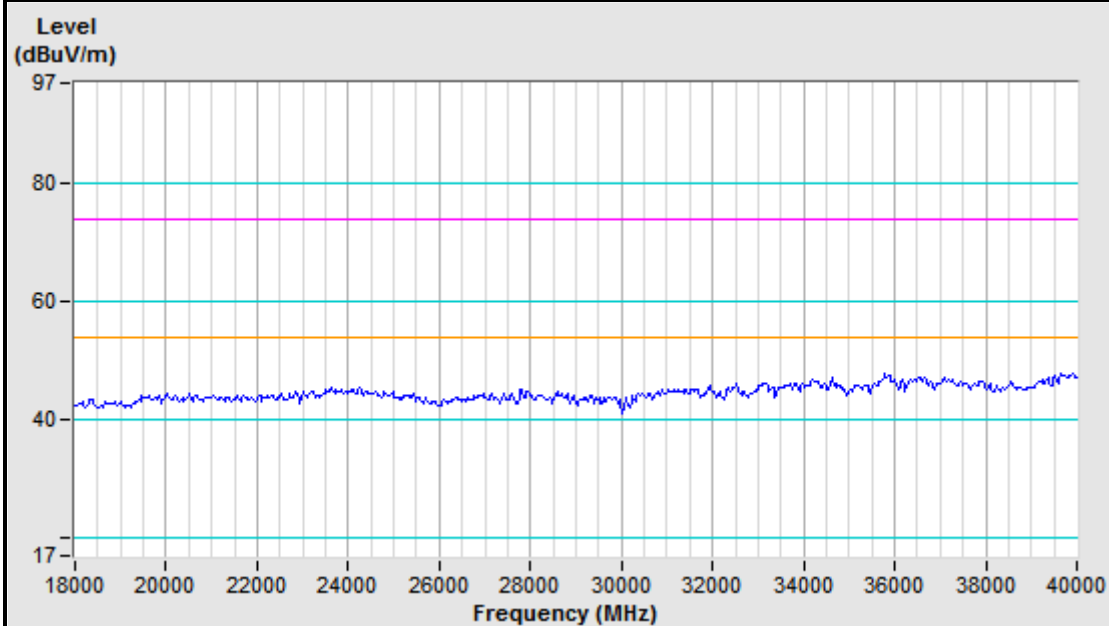


5240MHz Vertical

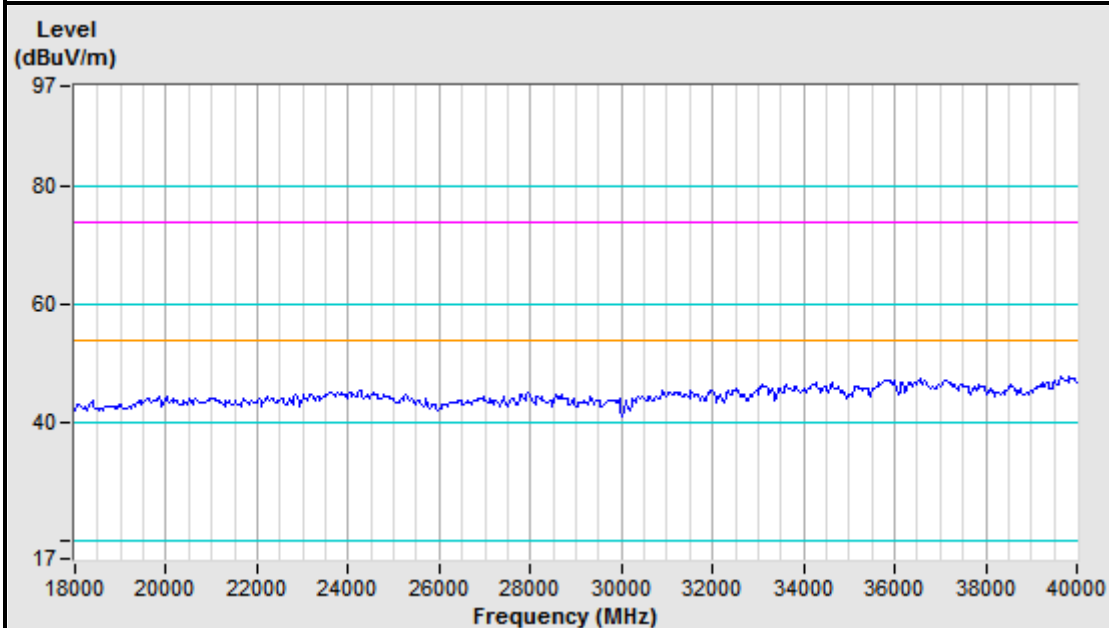


Note: When the harmonic frequency test a fundamental frequency filter is used.

5240MHz Horizontal



5240MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

802.11n (20MHz)

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

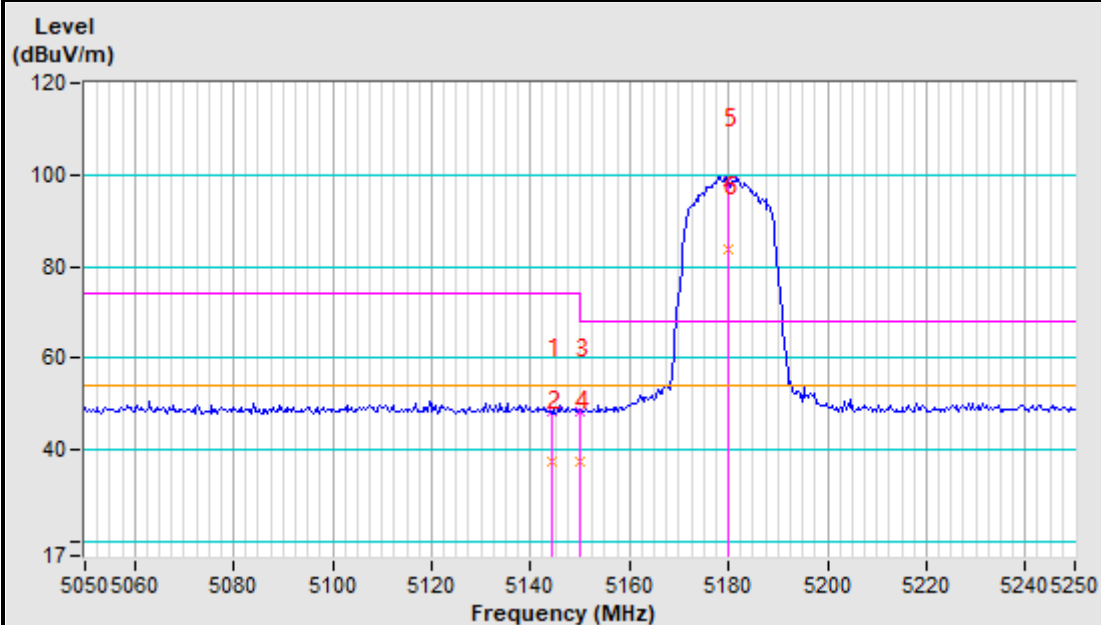
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5144.36	48.55 PK	74.00	-25.45	1.55 H	65	42.85	5.70
2	5144.36	37.34 AV	54.00	-16.66	1.55 H	65	31.64	5.70
3	5150.00	48.64 PK	74.00	-25.36	1.99 H	65	42.94	5.70
4	5150.00	37.41 AV	54.00	-16.59	1.99 H	65	31.70	5.70
5	*5180.00	98.73 PK			1.77 H	84	92.98	5.75
6	*5180.00	83.91 AV			1.77 H	84	78.16	5.75
7	#10360.00	47.39 PK	68.20	-20.81	1.44 H	25	42.28	5.11
8	15540.00	46.62 PK	74.00	-27.38	1.85 H	65	42.79	3.83
9	15540.00	36.77 AV	54.00	-17.23	1.85 H	65	32.94	3.83
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	5144.62	50.48 PK	74.00	-23.52	1.66 V	98	44.78	5.70
2	5144.62	39.11 AV	54.00	-14.89	1.66 V	98	33.41	5.70
3	5150.00	50.52 PK	74.00	-23.48	1.62 V	45	44.82	5.70
4	5150.00	39.42 AV	54.00	-14.58	1.62 V	45	33.72	5.70
5	*5180.00	108.99 PK			1.27 V	152	103.24	5.75
6	*5180.00	94.66 AV			1.27 V	152	88.91	5.75
7	#10360.00	47.31 PK	68.20	-20.89	1.54 V	58	42.20	5.11
8	15540.00	46.98 PK	74.00	-27.02	1.20 V	127	43.15	3.83
9	15540.00	35.28 AV	54.00	-18.72	1.20 V	127	31.45	3.83

REMARKS:

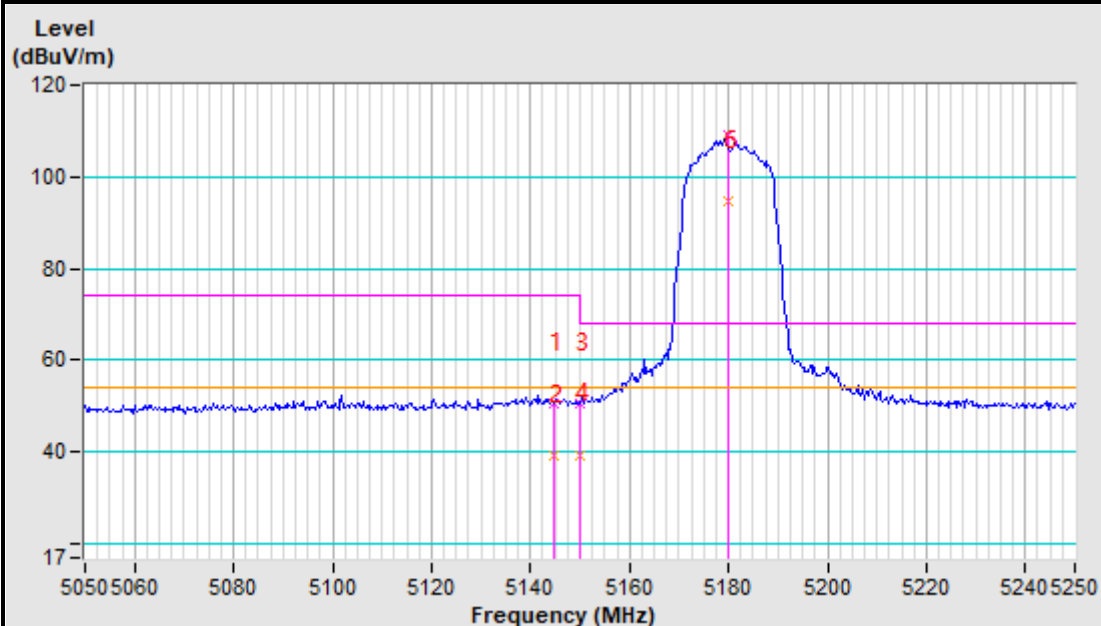
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

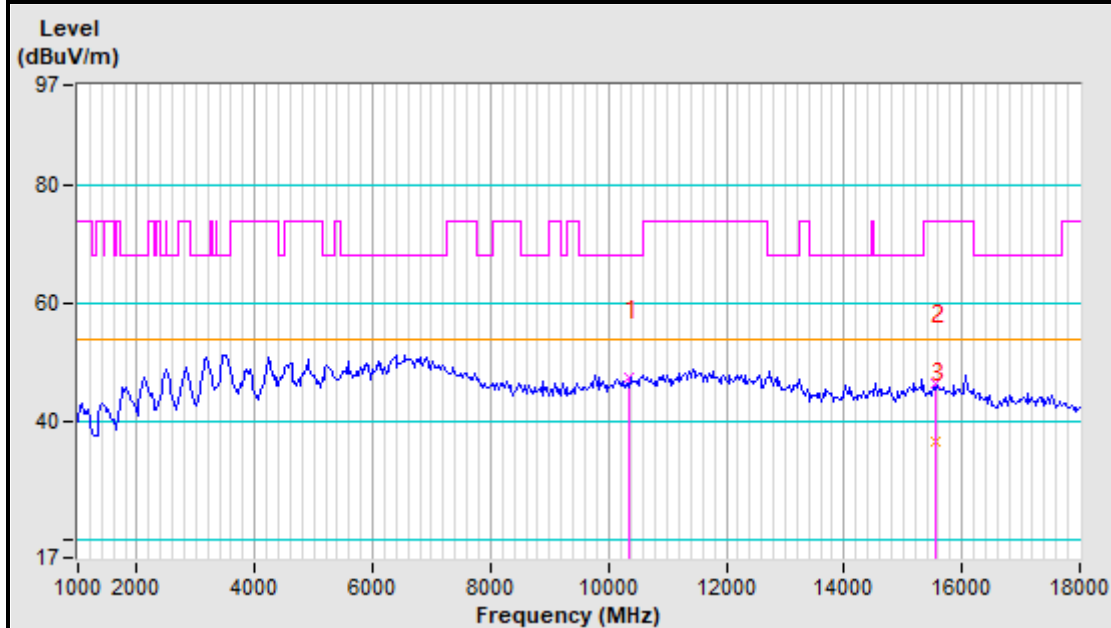
5180MHz Horizontal



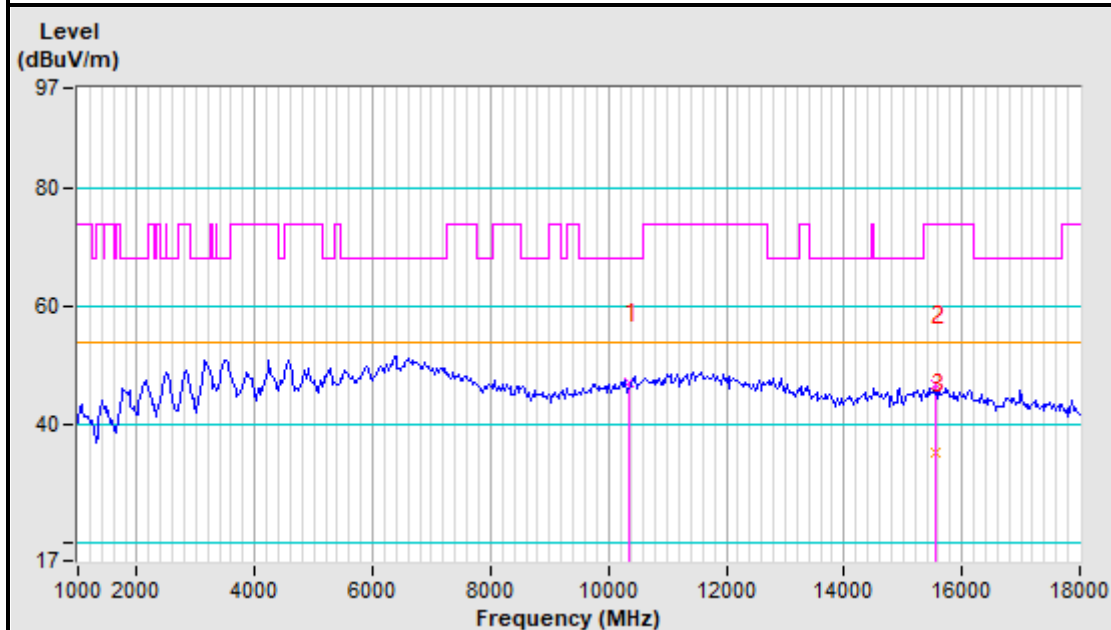
5180MHz Vertical



5180MHz Horizontal

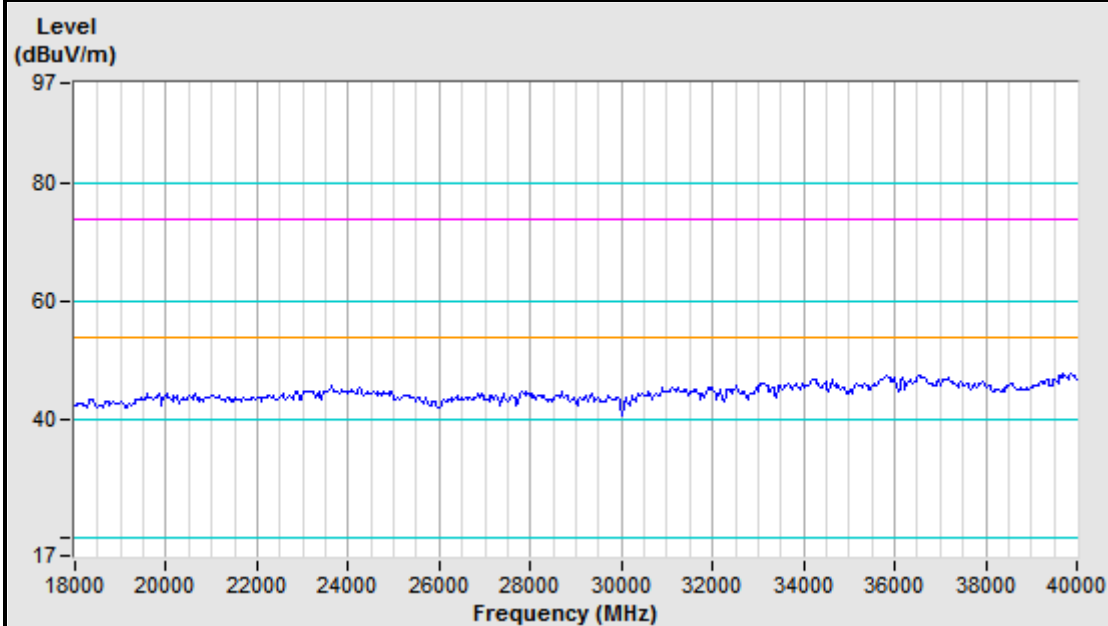


5180MHz Vertical

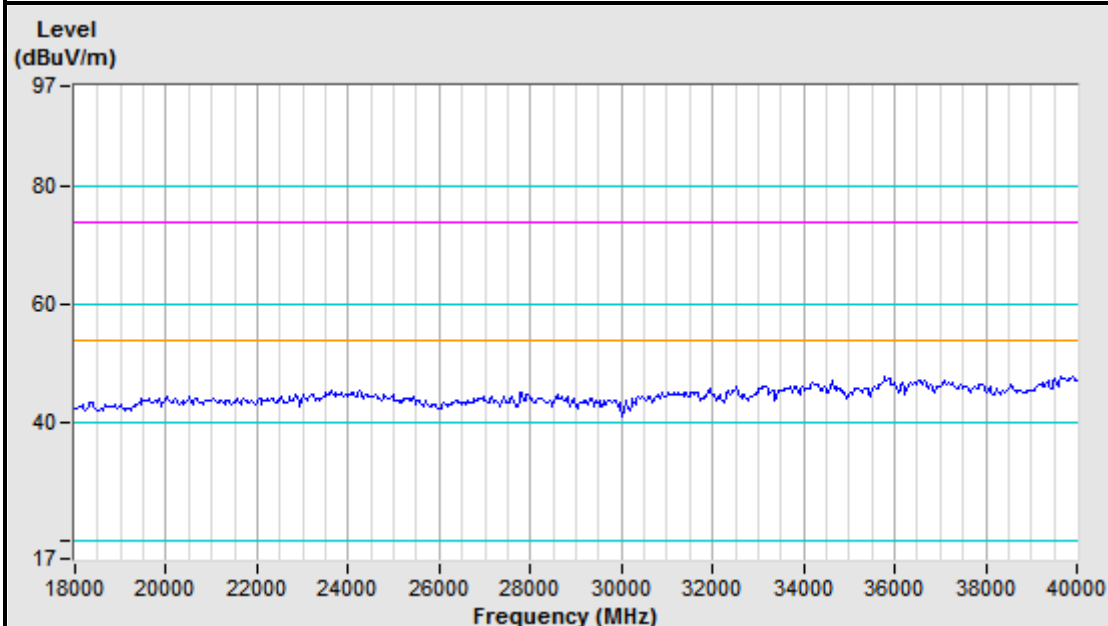


Note: When the harmonic frequency test a fundamental frequency filter is used.

5180MHz Horizontal



5180MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

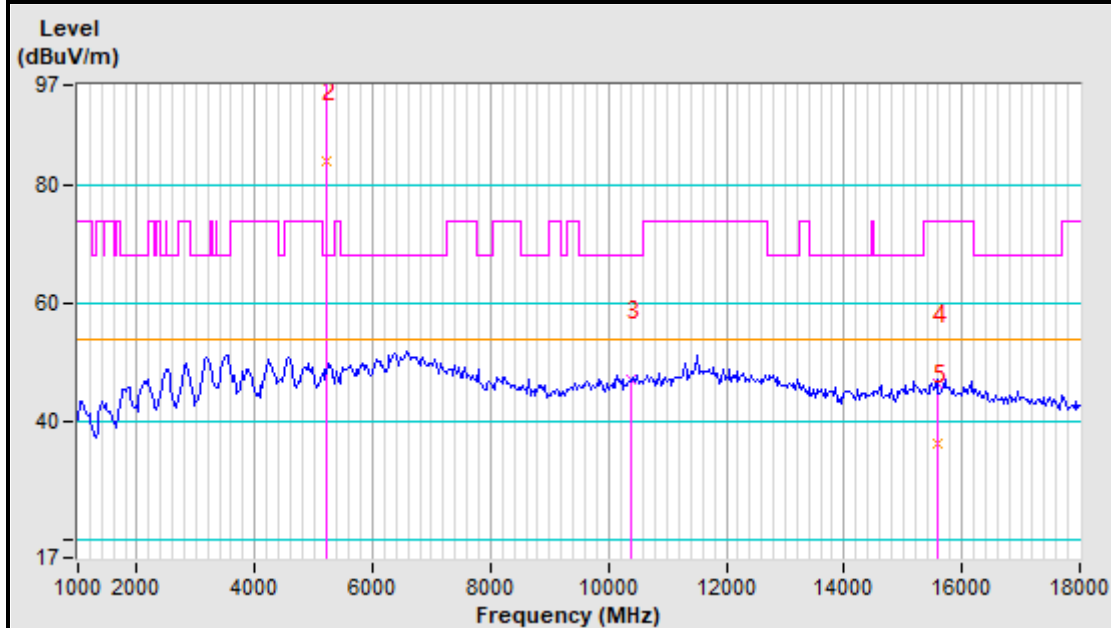
CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	98.58 PK			1.23 H	211	92.80	5.78
2	*5200.00	84.12 AV			1.23 H	211	78.34	5.78
3	#10400.00	47.25 PK	68.20	-20.95	1.66 H	58	42.05	5.20
4	15600.00	46.59 PK	74.00	-27.41	1.44 H	258	42.76	3.83
5	15600.00	36.28 AV	54.00	-17.72	1.44 H	258	32.45	3.83
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	108.07 PK			1.55 V	36	102.29	5.78
2	*5200.00	94.84 AV			1.55 V	36	89.06	5.78
3	#10400.00	47.38 PK	68.20	-20.82	1.99 V	65	42.18	5.20
4	15600.00	46.69 PK	74.00	-27.31	1.69 V	321	42.86	3.83
5	15600.00	35.47 AV	54.00	-18.53	1.69 V	321	31.64	3.83

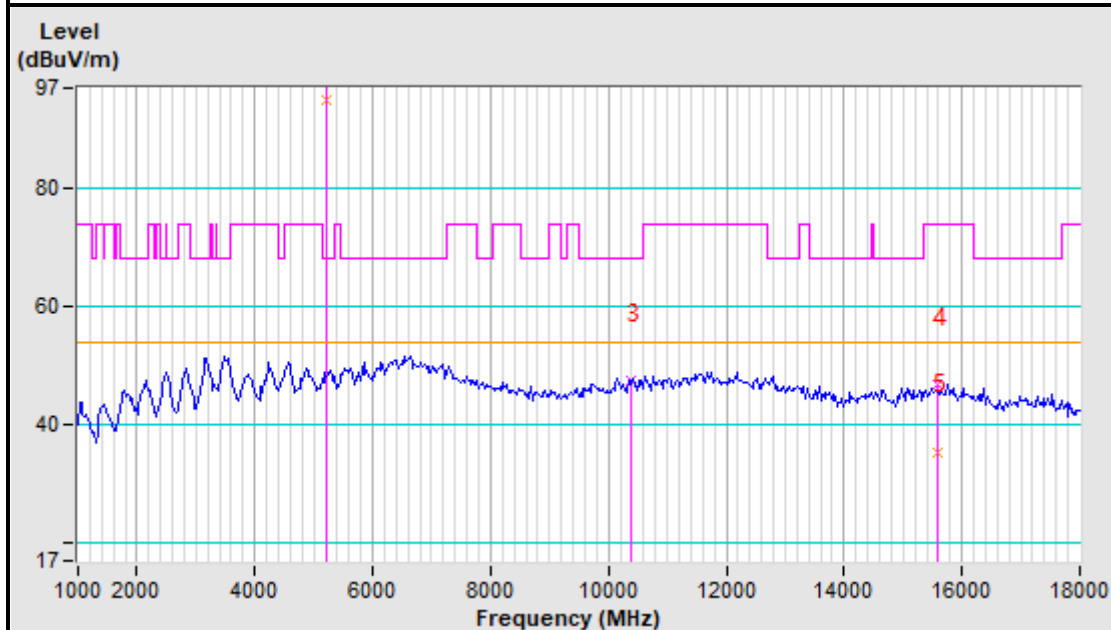
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

5200MHz Horizontal

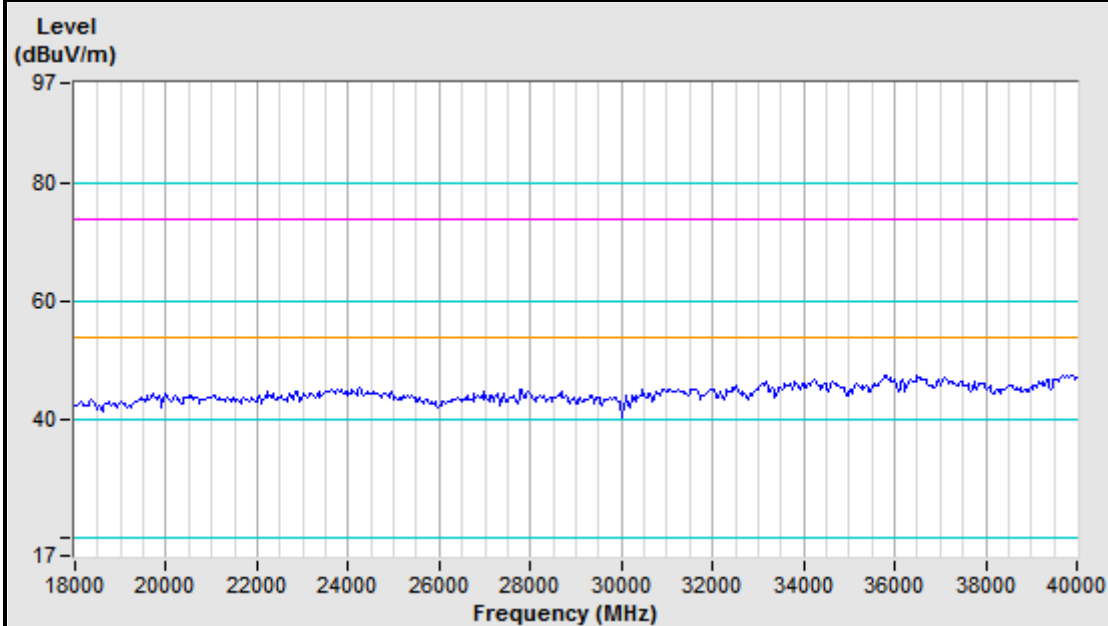


5200MHz Vertical

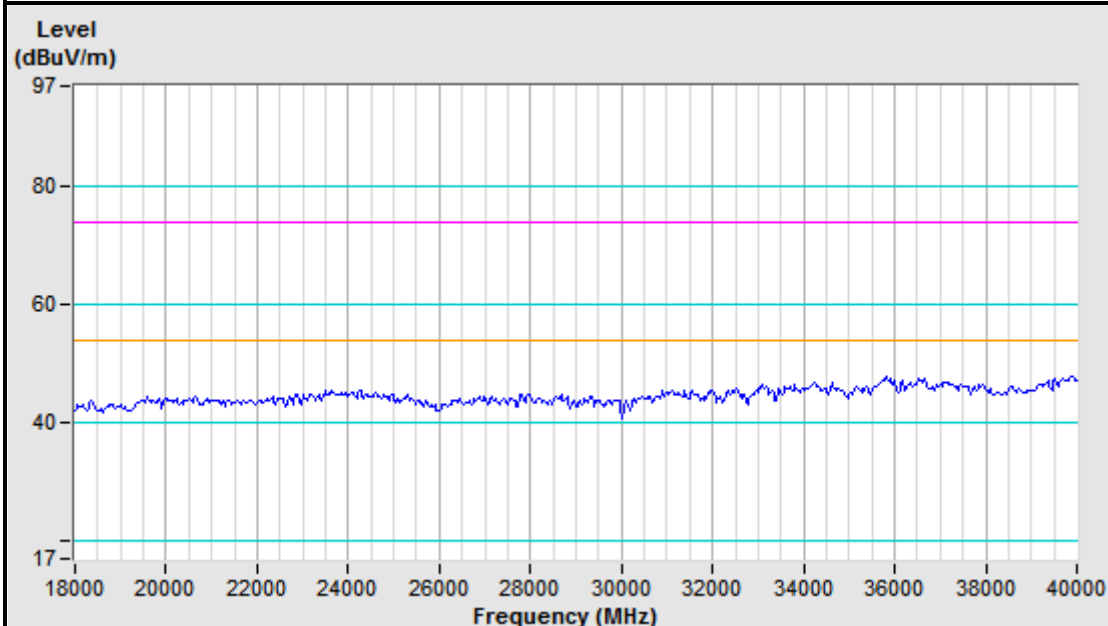


Note: When the harmonic frequency test a fundamental frequency filter is used.

5200MHz Horizontal



5200MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

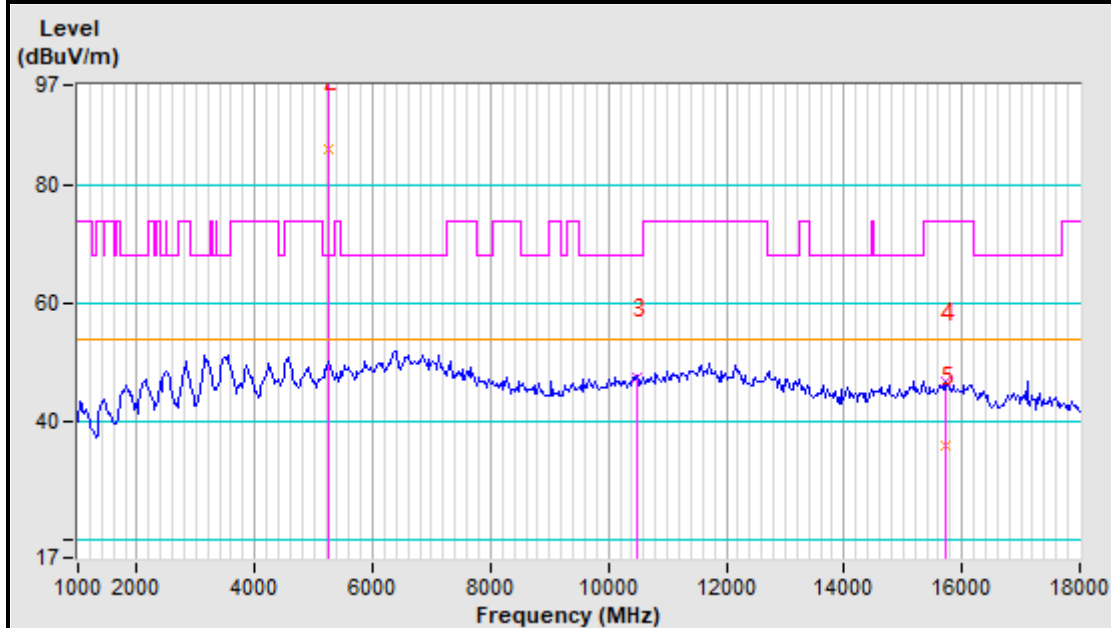
CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	100.45 PK			1.45 H	258	94.61	5.84
2	*5240.00	85.99 AV			1.45 H	258	80.15	5.84
3	#10480.00	47.62 PK	68.20	-20.58	1.52 H	317	42.24	5.38
4	15720.00	46.75 PK	74.00	-27.25	1.86 H	312	42.92	3.83
5	15720.00	36.11 AV	54.00	-17.89	1.86 H	312	32.28	3.83
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	110.25 PK			1.74 V	24	104.41	5.84
2	*5240.00	96.99 AV			1.74 V	24	91.15	5.84
3	#10480.00	47.39 PK	68.20	-20.81	1.36 V	258	42.01	5.38
4	15720.00	46.38 PK	74.00	-27.62	1.22 V	140	42.55	3.83
5	15720.00	35.94 AV	54.00	-18.06	1.22 V	140	32.11	3.83

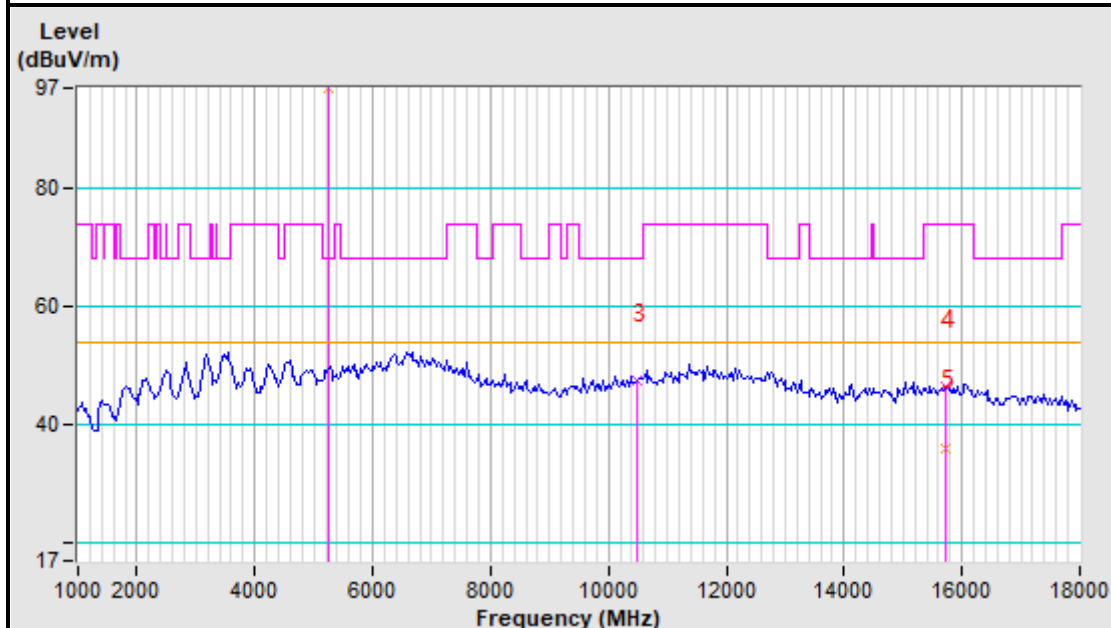
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

5240MHz Horizontal

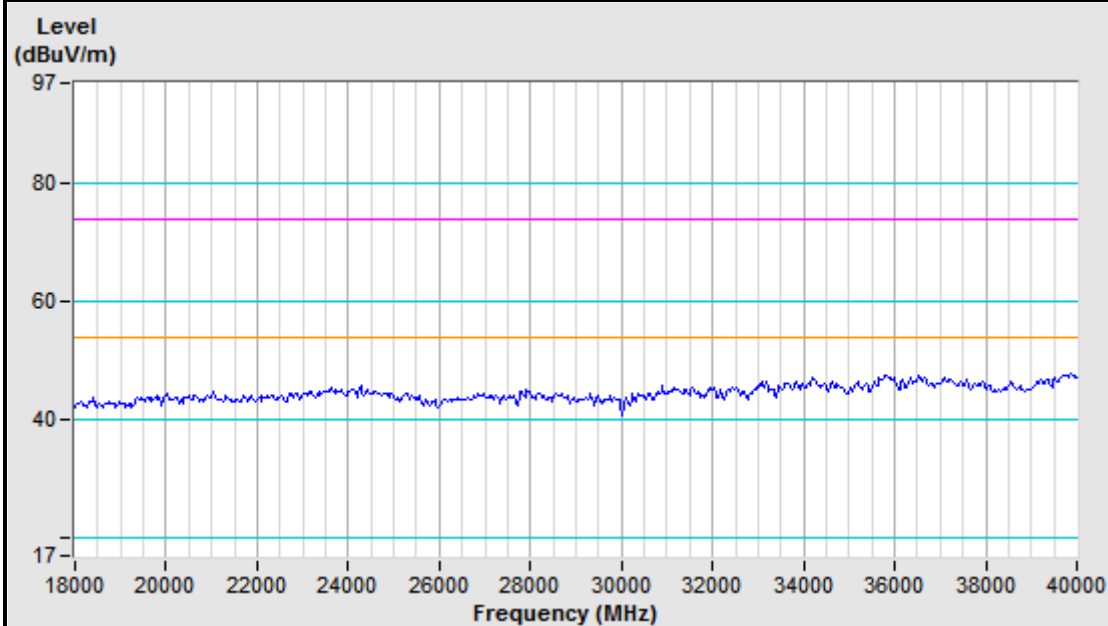


5240MHz Vertical

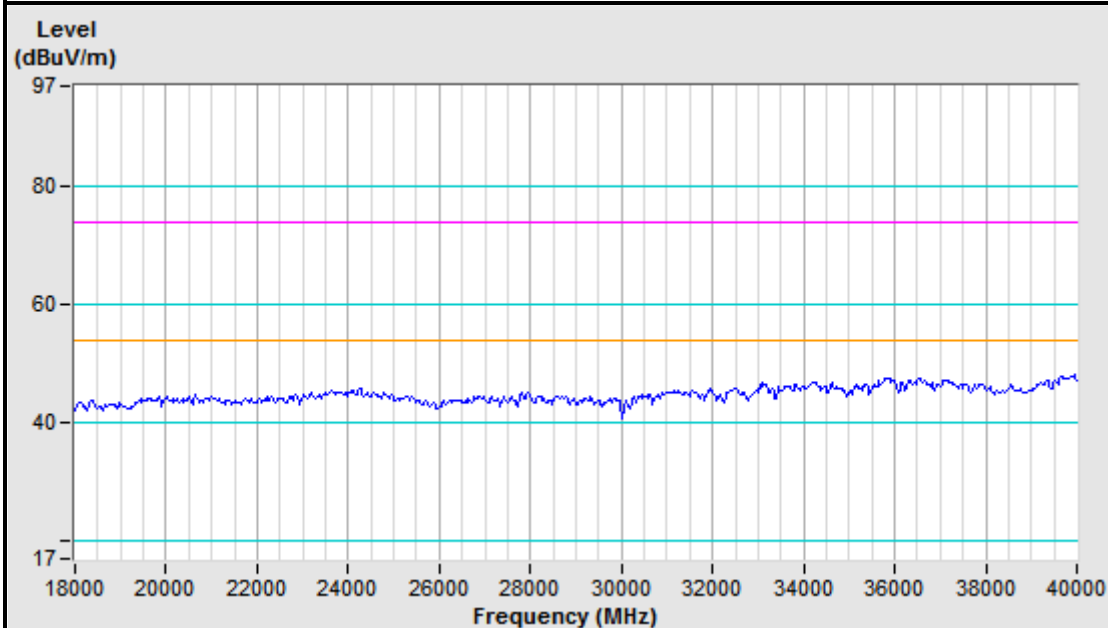


Note: When the harmonic frequency test a fundamental frequency filter is used.

5240MHz Horizontal



5240MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

802.11n (40MHz)

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

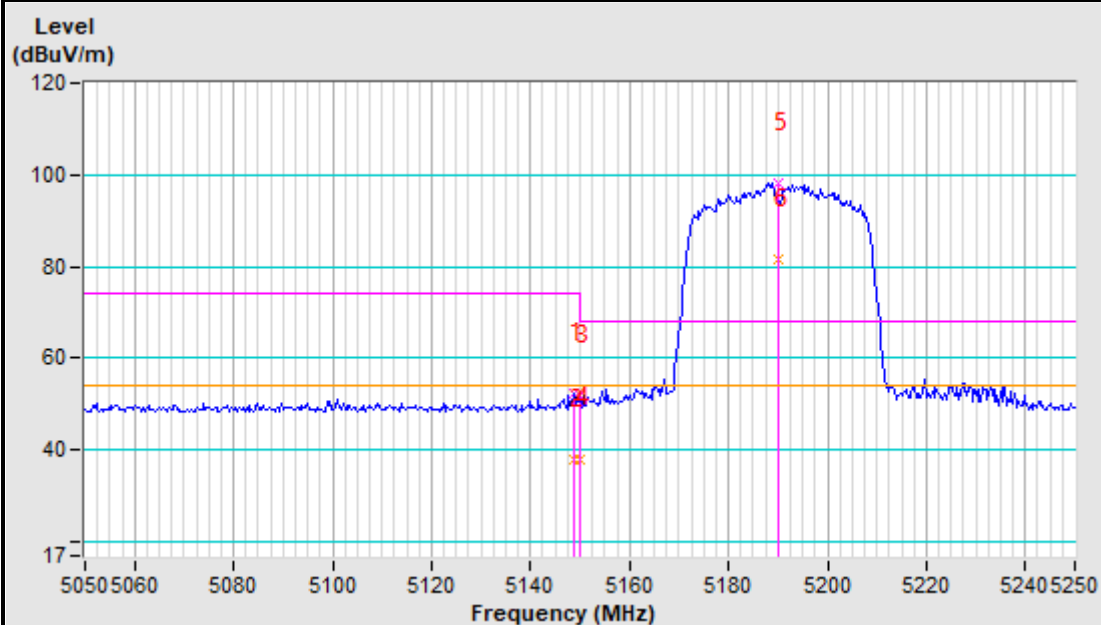
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5148.71	52.34 PK	74.00	-21.66	1.66 H	25	46.64	5.70
2	5148.71	37.82 AV	54.00	-16.18	1.66 H	25	32.12	5.70
3	5150.00	51.72 PK	74.00	-22.28	1.44 H	205	46.02	5.70
4	5150.00	38.03 AV	54.00	-15.97	1.44 H	205	32.33	5.70
5	*5190.00	98.08 PK			1.77 H	58	92.31	5.77
6	*5190.00	81.54 AV			1.77 H	58	75.77	5.77
7	#10380.00	47.62 PK	68.20	-20.58	1.30 H	251	42.46	5.16
8	15570.00	46.81 PK	74.00	-27.19	1.02 H	254	42.98	3.83
9	15570.00	37.20 AV	54.00	-16.80	1.02 H	254	33.37	3.83
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	5143.91	59.10 PK	74.00	-14.90	1.42 V	53	53.40	5.70
2	5143.91	40.37 AV	54.00	-13.63	1.42 V	53	34.67	5.70
3	5150.00	58.28 PK	74.00	-15.72	1.29 V	61	52.58	5.70
4	5150.00	40.84 AV	54.00	-13.16	1.29 V	61	35.14	5.70
5	*5190.00	106.67 PK			1.44 V	251	100.90	5.77
6	*5190.00	92.74 AV			1.44 V	251	86.97	5.77
7	#10380.00	47.33 PK	68.20	-20.87	1.93 V	25	42.17	5.16
8	15570.00	46.58 PK	74.00	-27.42	1.55 V	80	42.75	3.83
9	15570.00	36.42 AV	54.00	-17.58	1.55 V	80	32.59	3.83

REMARKS:

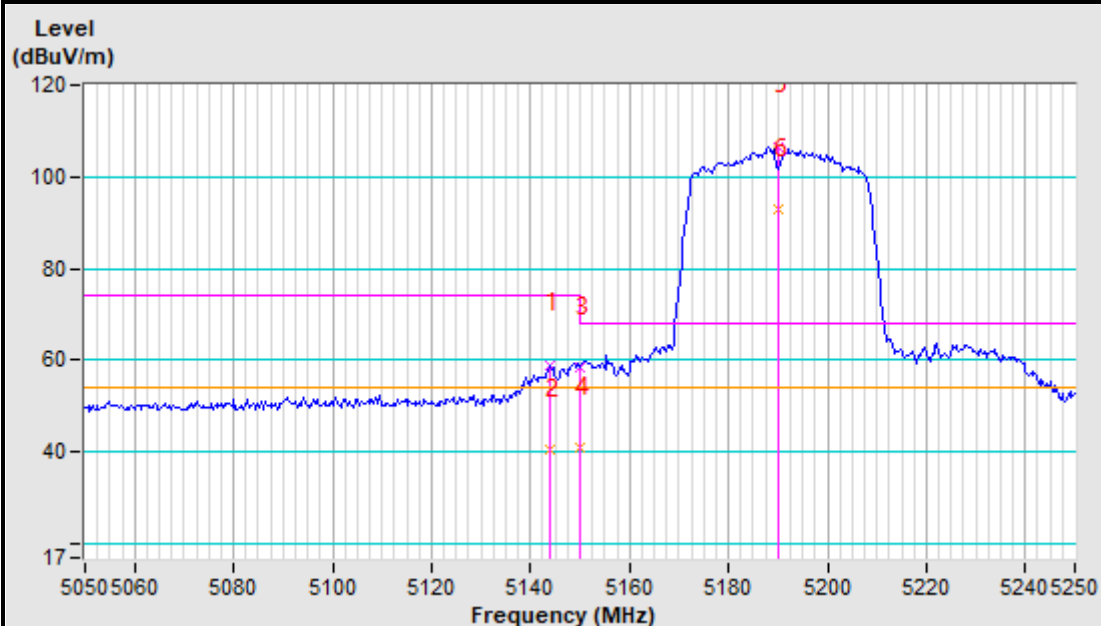
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

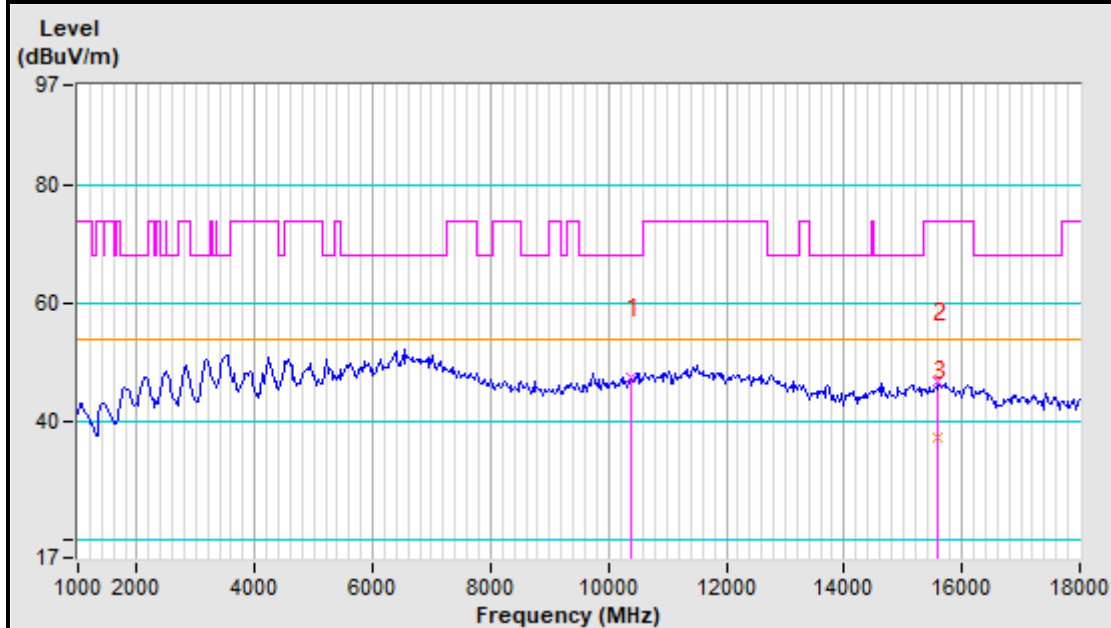
5190MHz Horizontal



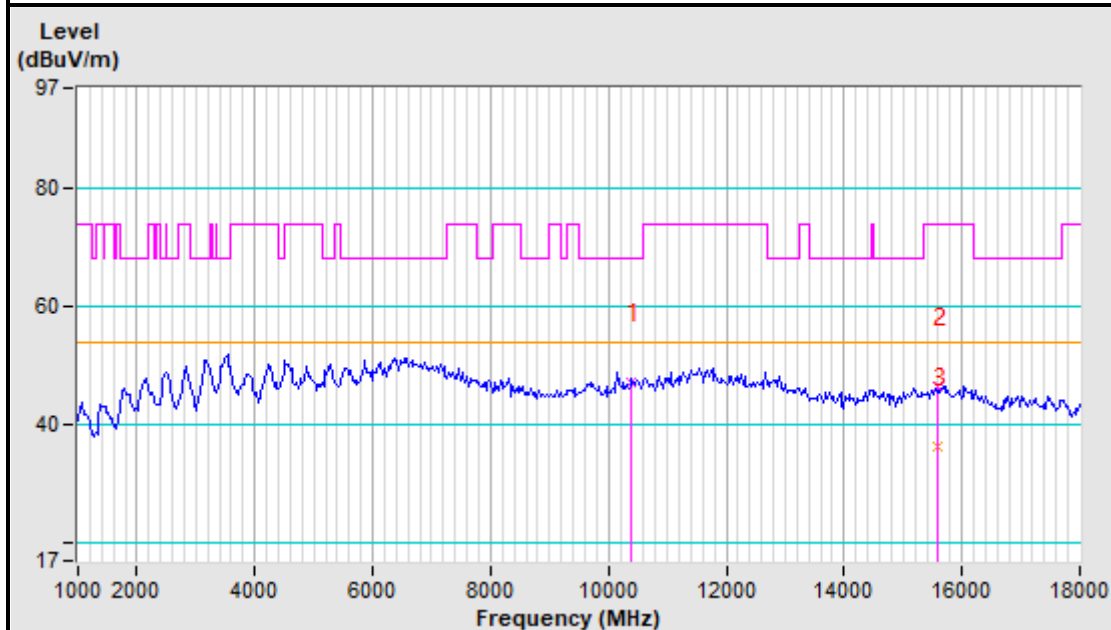
5190MHz Vertical



5190MHz Horizontal

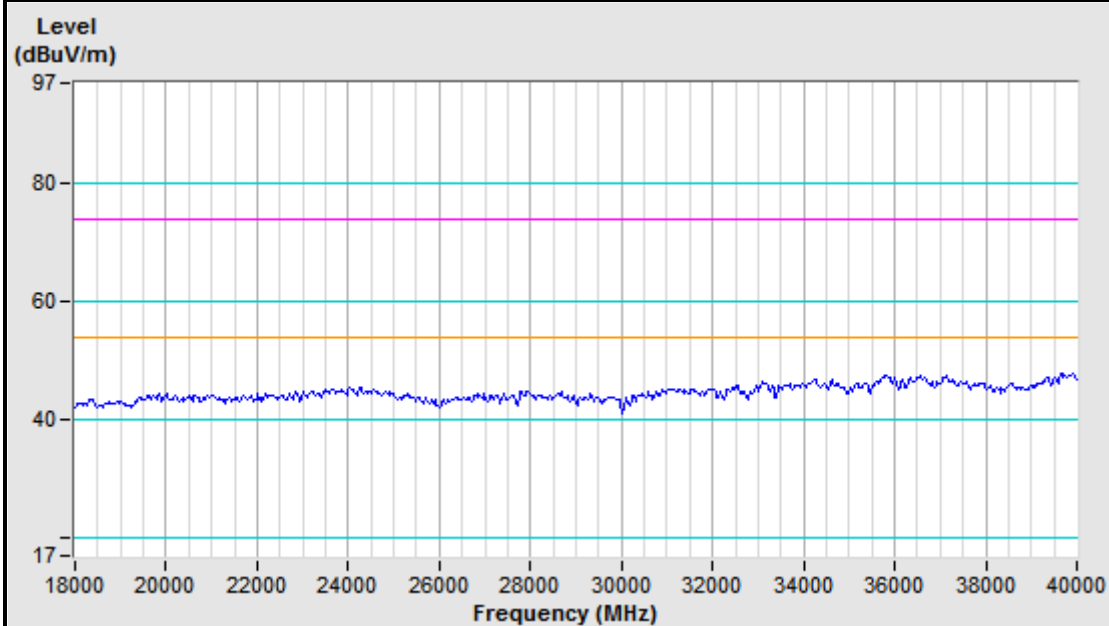


5190MHz Vertical

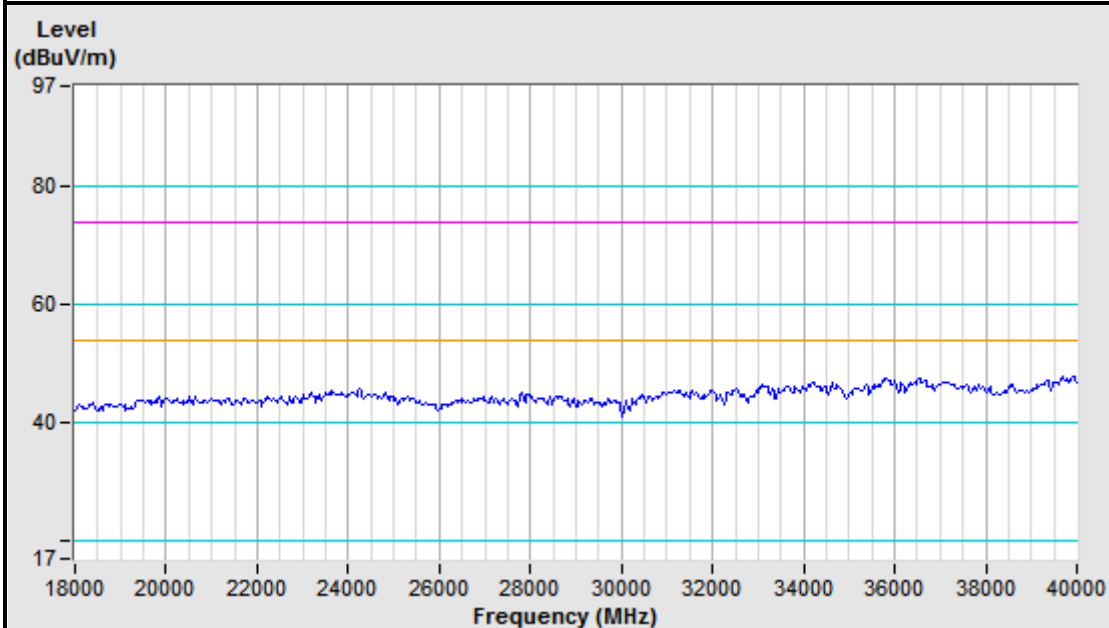


Note: When the harmonic frequency test a fundamental frequency filter is used.

5190MHz Horizontal



5190MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

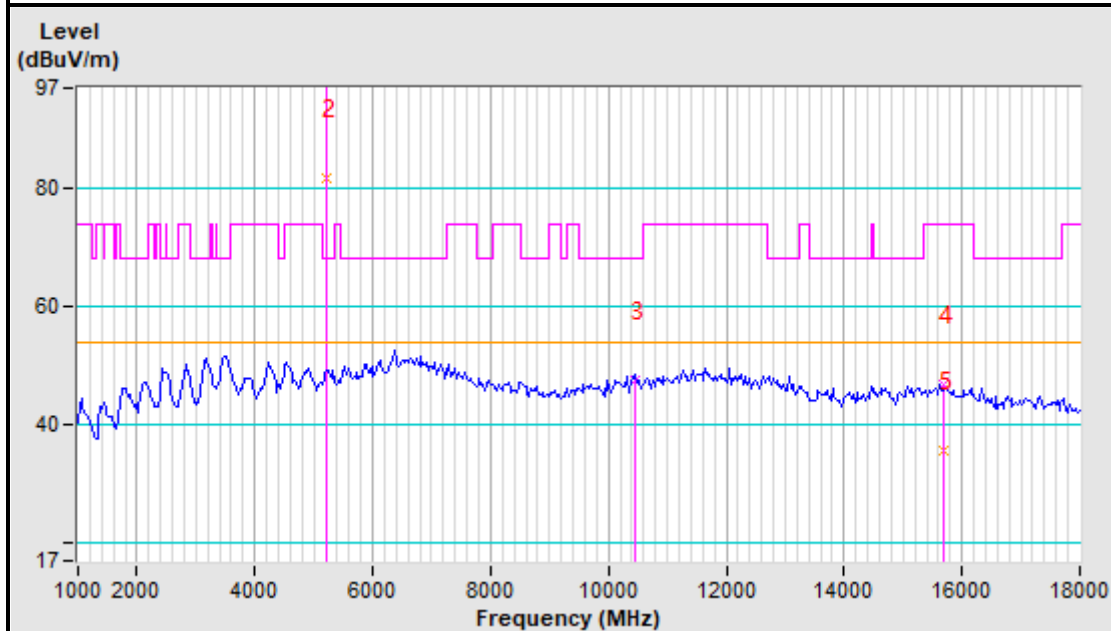
CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	98.31 PK			1.33 H	24	92.49	5.82
2	*5230.00	81.68 AV			1.33 H	24	75.86	5.82
3	#10460.00	47.51 PK	68.20	-20.69	1.52 H	321	42.18	5.33
4	15690.00	46.98 PK	74.00	-27.02	1.42 H	105	43.15	3.83
5	15690.00	35.68 AV	54.00	-18.32	1.42 H	105	31.85	3.83
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	106.55 PK			1.63 V	21	100.73	5.82
2	*5230.00	92.85 AV			1.63 V	21	87.03	5.82
3	#10460.00	47.62 PK	68.20	-20.58	1.32 V	105	42.29	5.33
4	15690.00	47.03 PK	74.00	-26.97	1.53 V	214	43.20	3.83
5	15690.00	37.78 AV	54.00	-16.22	1.53 V	214	33.95	3.83

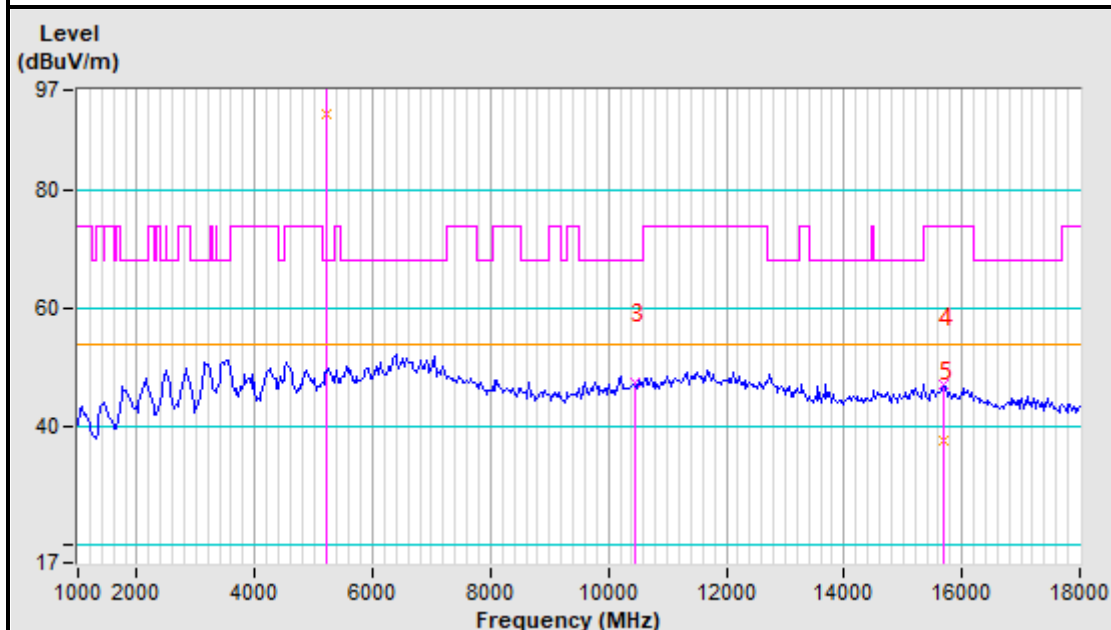
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

5230MHz Horizontal

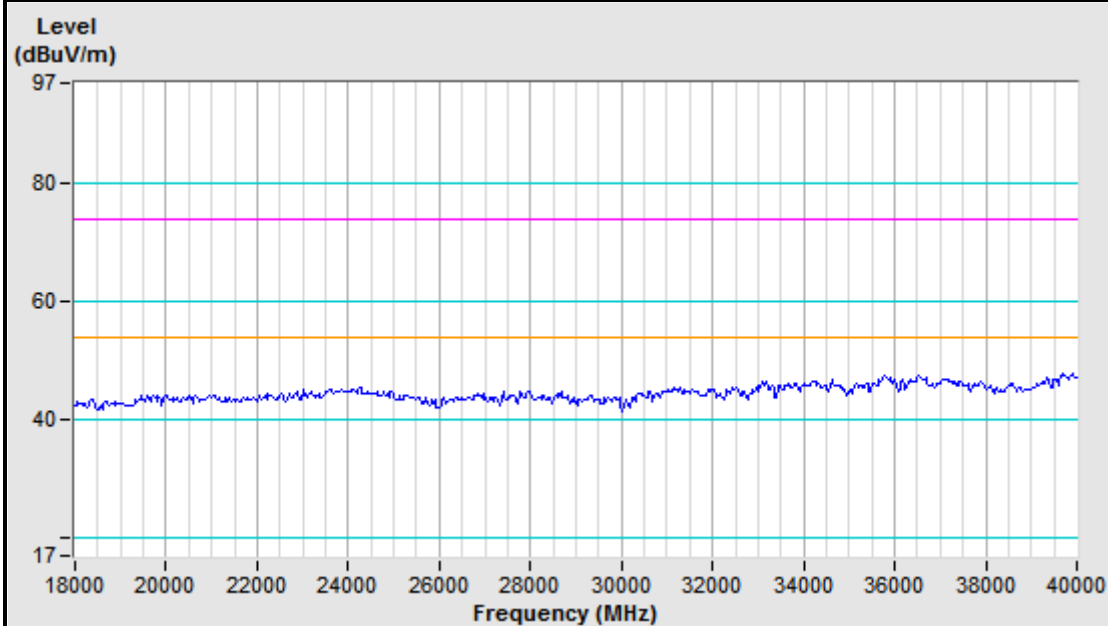


5230MHz Vertical

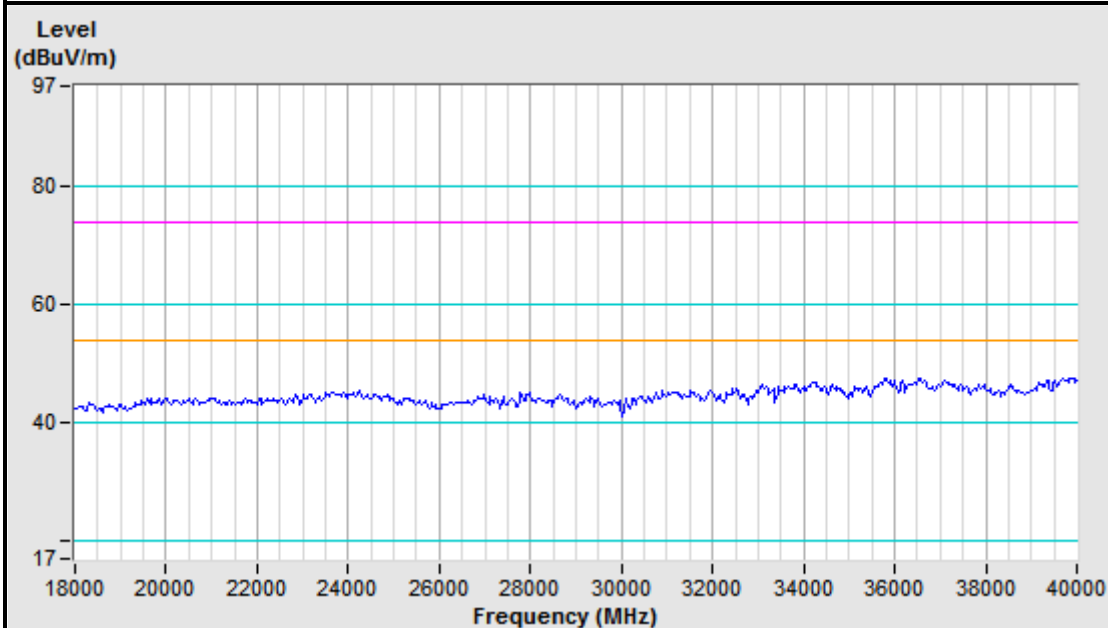


Note: When the harmonic frequency test a fundamental frequency filter is used.

5230MHz Horizontal



5230MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

802.11ac (80MHz)

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

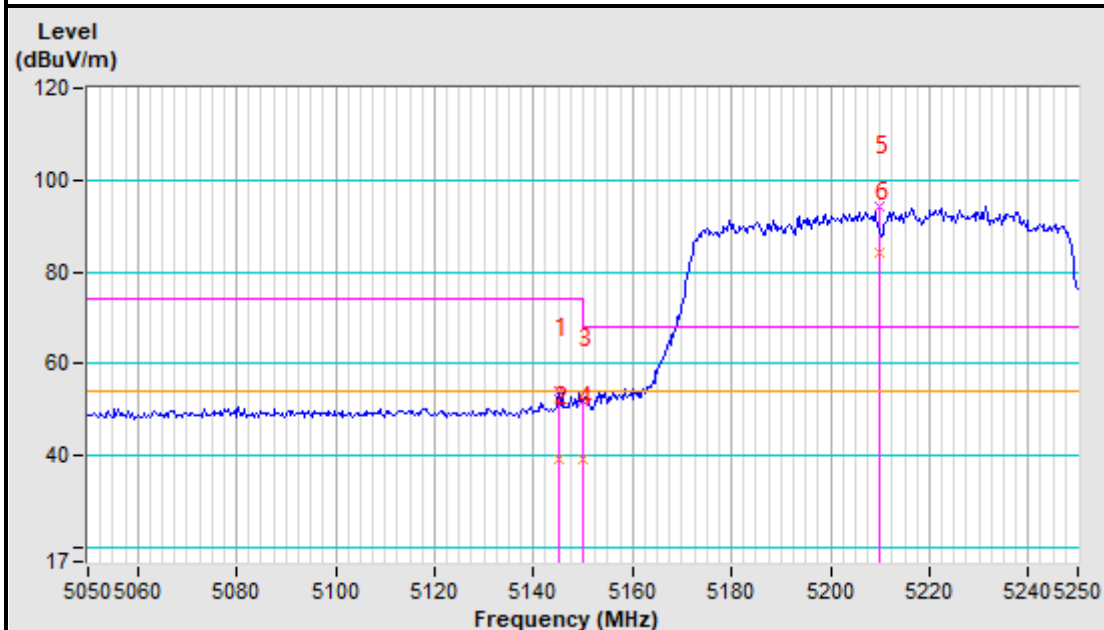
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5145.19	54.31 PK	74.00	-19.69	1.12 H	59	48.61	5.70
2	5145.19	39.41 AV	54.00	-14.59	1.12 H	59	33.71	5.70
3	5150.00	52.10 PK	74.00	-21.90	1.36 H	250	46.40	5.70
4	5150.00	39.46 AV	54.00	-14.54	1.36 H	250	33.76	5.70
5	*5210.00	94.11 PK			1.44 H	25	88.31	5.80
6	*5210.00	84.12 AV			1.44 H	25	78.32	5.80
7	#10420.00	47.65 PK	68.20	-20.55	1.85 H	24	42.41	5.24
8	15630.00	46.68 PK	74.00	-27.32	1.55 H	219	42.85	3.83
9	15630.00	35.28 AV	54.00	-18.72	1.55 H	219	31.45	3.83
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	5138.78	58.33 PK	74.00	-15.67	2.51 V	21	52.64	5.69
2	5138.78	43.18 AV	54.00	-10.82	2.51 V	21	37.49	5.69
3	5150.00	60.16 PK	74.00	-13.84	1.25 V	321	54.45	5.70
4	5150.00	43.89 AV	54.00	-10.11	1.25 V	321	38.19	5.70
5	*5210.00	102.61 PK			1.26 V	215	96.81	5.80
6	*5210.00	92.46 AV			1.26 V	215	86.66	5.80
7	#10420.00	47.41 PK	68.20	-20.79	1.66 V	52	42.17	5.24
8	15630.00	46.79 PK	74.00	-27.21	1.33 V	251	42.96	3.83
9	15630.00	36.18 AV	54.00	-17.82	1.33 V	251	32.35	3.83

REMARKS:

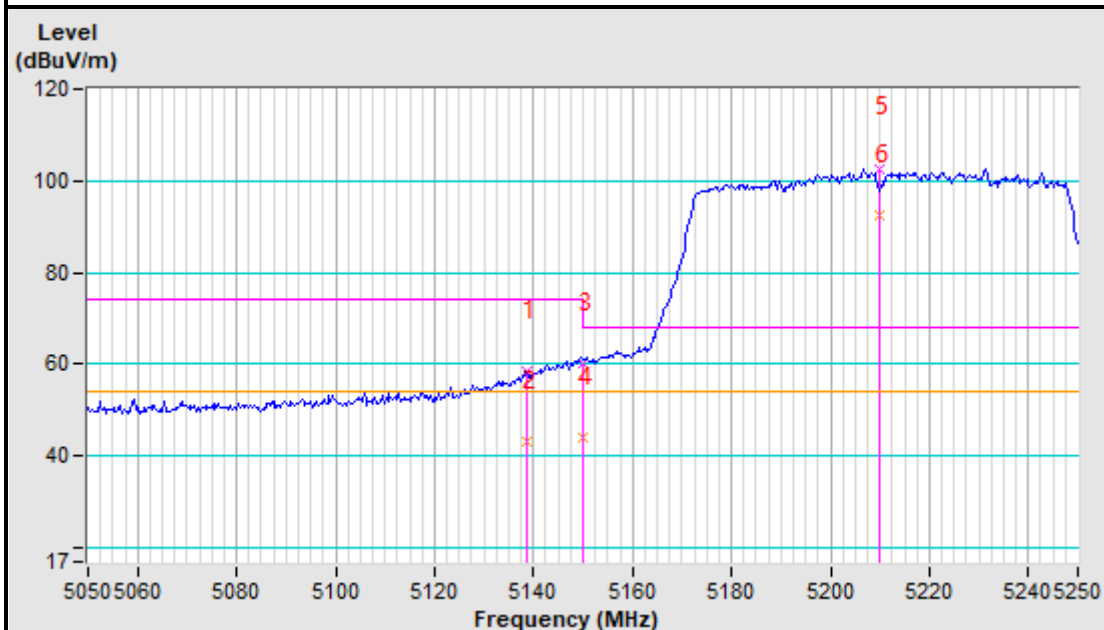
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

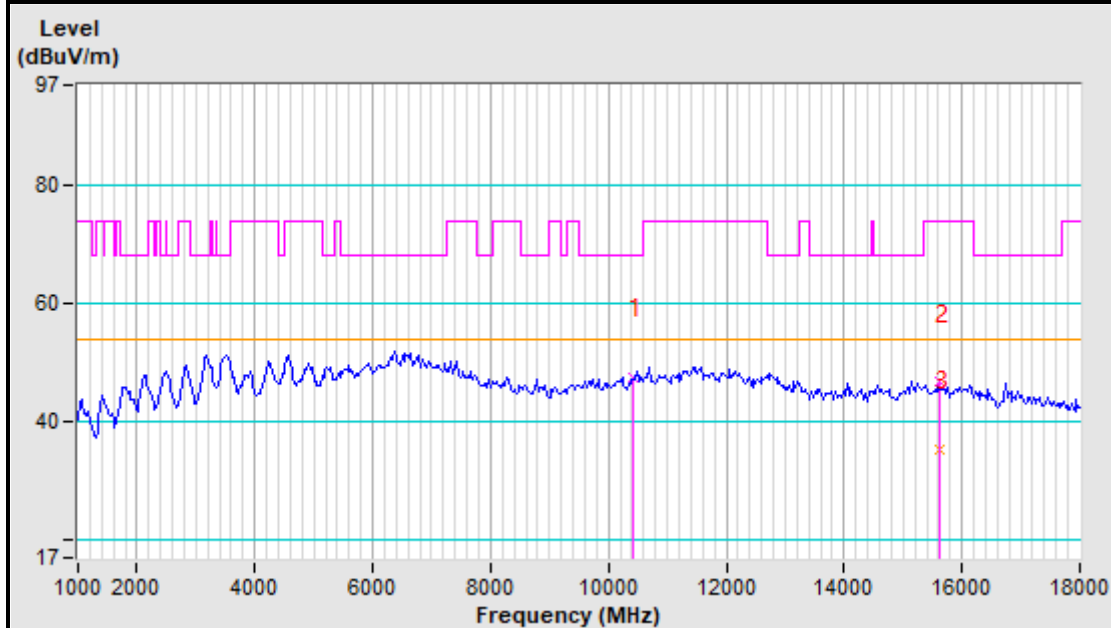
5210MHz Horizontal



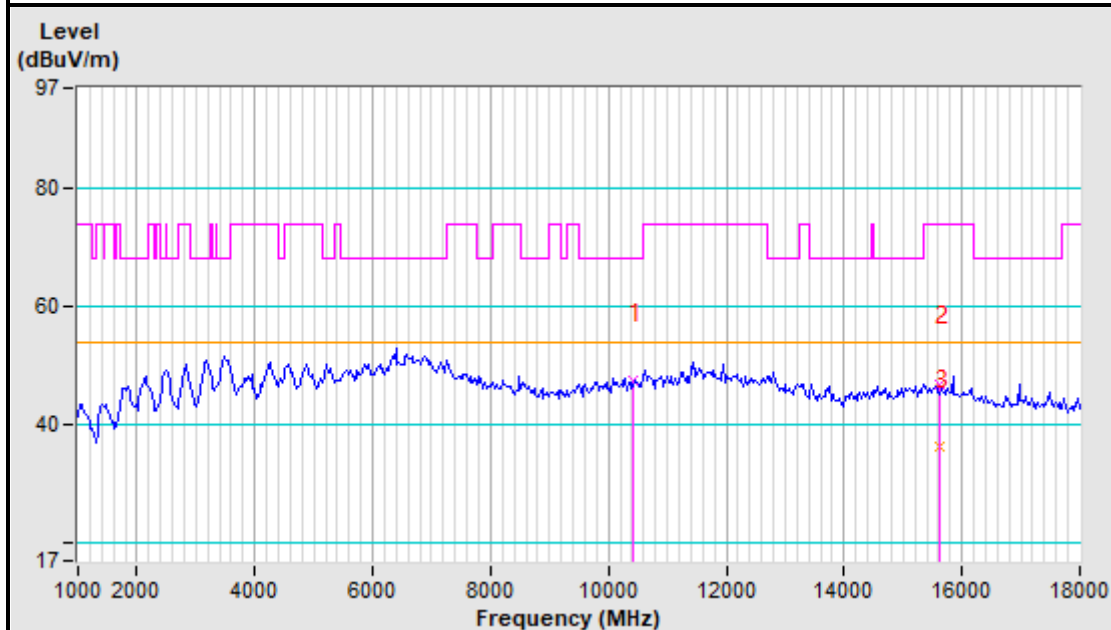
5210MHz Vertical



5210MHz Horizontal

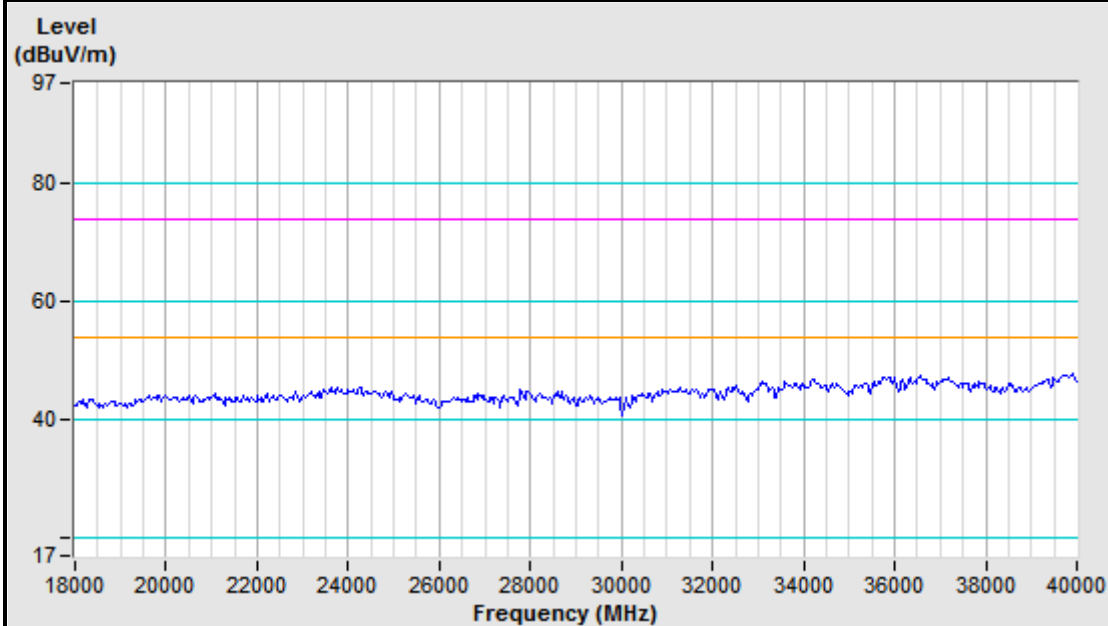


5210MHz Vertical

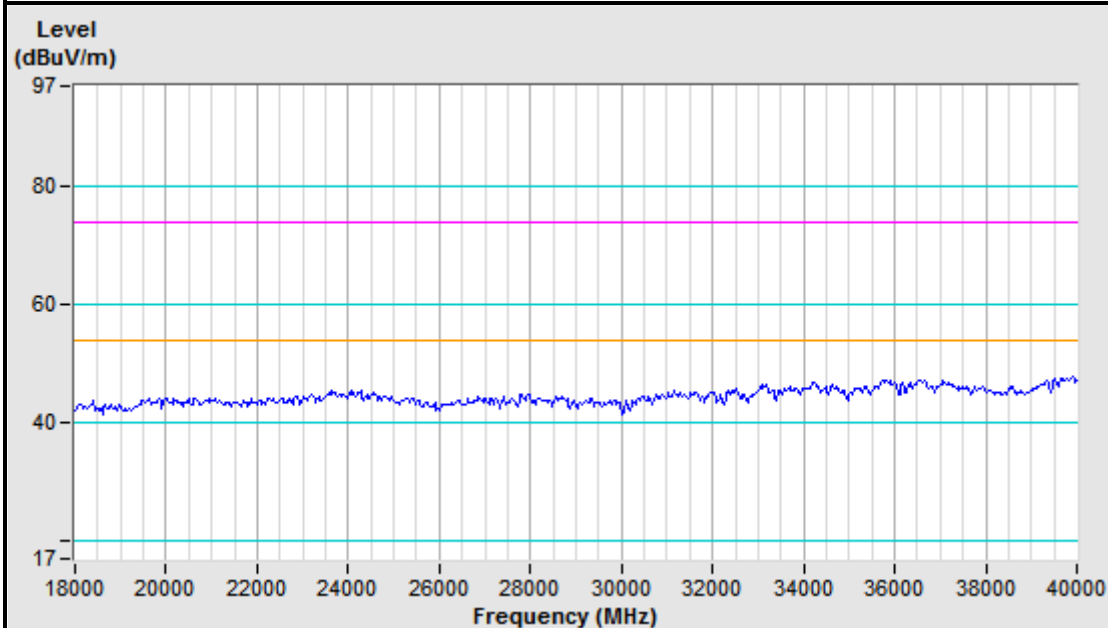


Note: When the harmonic frequency test a fundamental frequency filter is used.

5210MHz Horizontal



5210MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

Band 2 (5250-5350MHz):802.11a

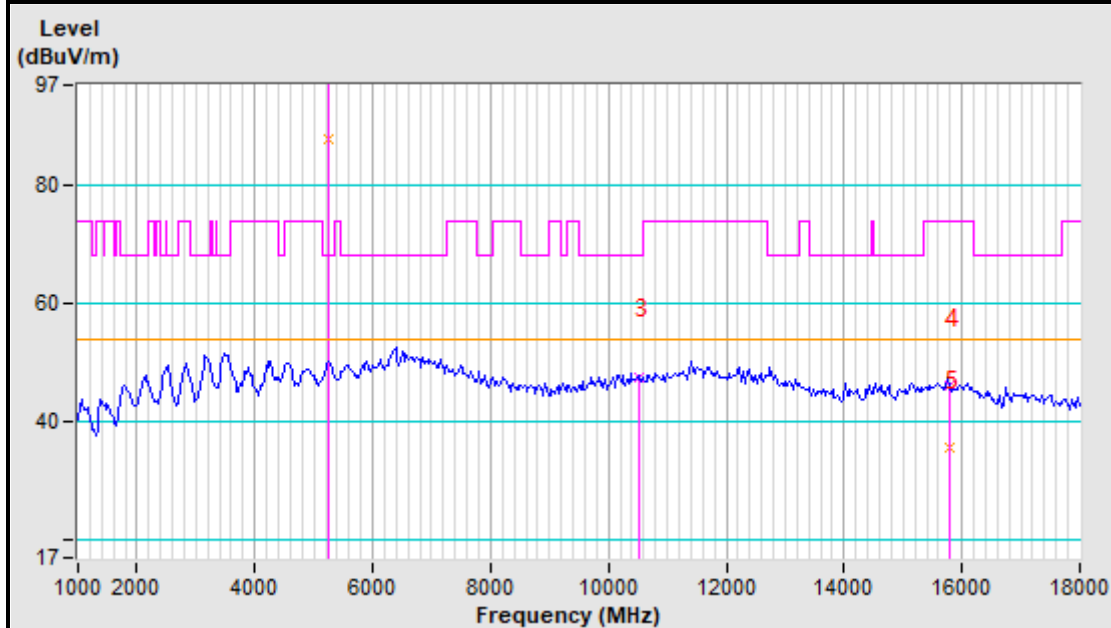
CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	100.81 PK			1.52 H	114	94.94	5.87
2	*5260.00	87.96 AV			1.52 H	114	82.09	5.87
3	#10520.00	47.64 PK	68.20	-20.56	1.88 H	52	42.19	5.45
4	15780.00	45.99 PK	74.00	-28.01	1.20 H	310	42.16	3.83
5	15780.00	35.48 AV	54.00	-18.52	1.20 H	310	31.65	3.83
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	111.13 PK			1.52 V	36	105.26	5.87
2	*5260.00	98.19 AV			1.52 V	36	92.32	5.87
3	#10520.00	46.99 PK	68.20	-21.21	2.15 V	34	41.54	5.45
4	15780.00	46.31 PK	74.00	-27.69	1.08 V	51	42.48	3.83
5	15780.00	36.58 AV	54.00	-17.42	1.08 V	51	32.75	3.83

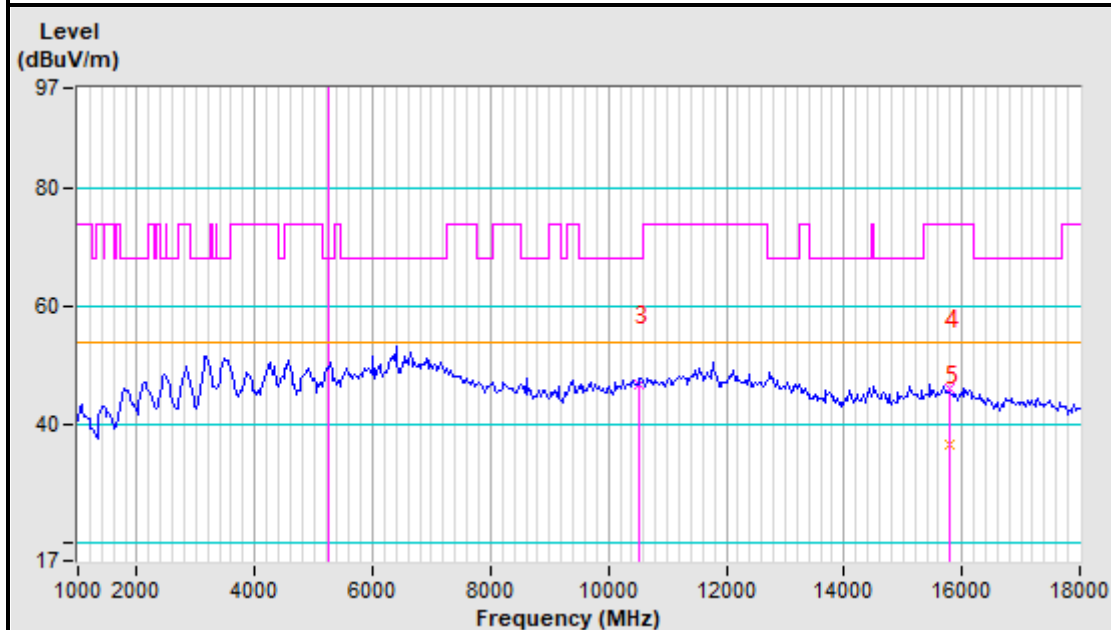
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

5260MHz Horizontal

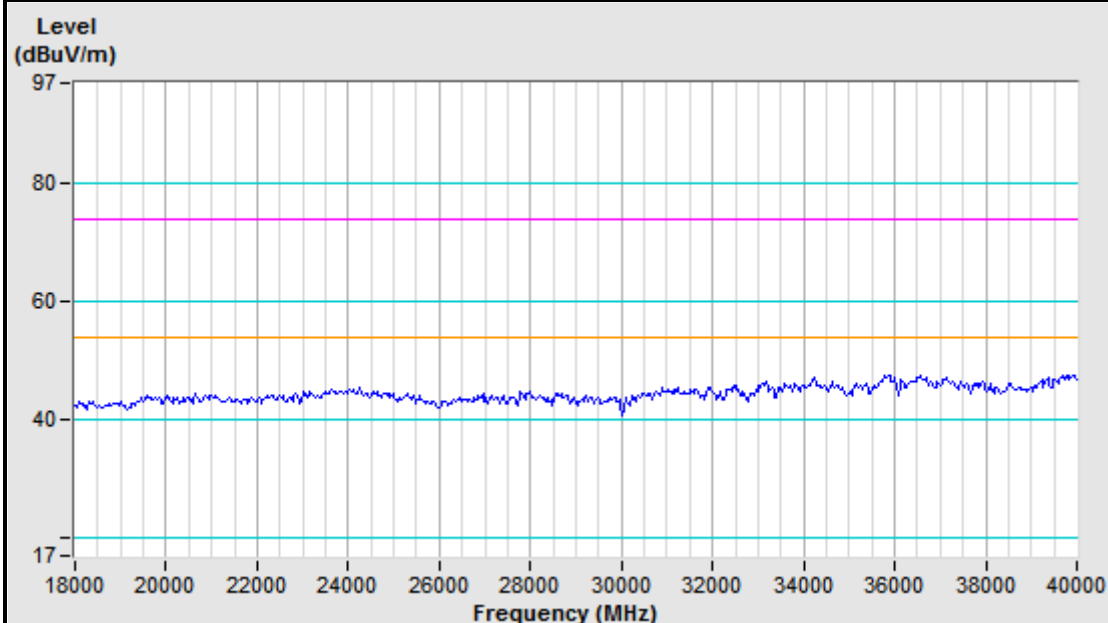


5260MHz Vertical

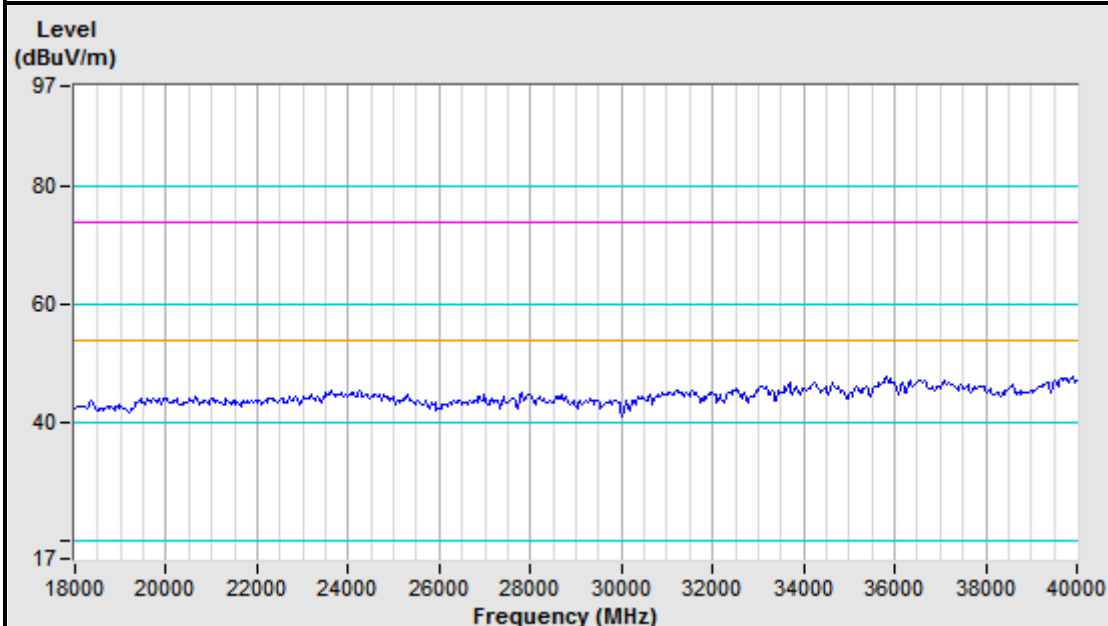


Note: When the harmonic frequency test a fundamental frequency filter is used.

5260MHz Horizontal



5260MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

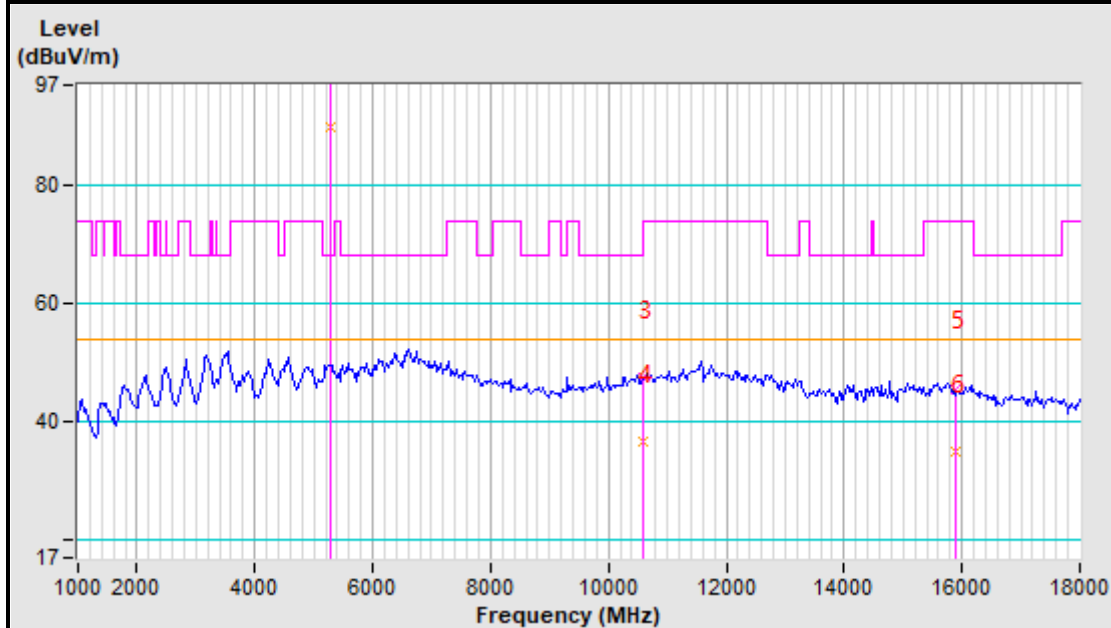
CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	99.87 PK			1.26 H	331	93.94	5.93
2	*5300.00	89.94 AV			1.26 H	331	84.01	5.93
3	10600.00	47.37 PK	74.00	-26.63	1.88 H	54	41.81	5.56
4	10600.00	36.52 AV	54.00	-17.48	1.88 H	54	30.96	5.56
5	15900.00	45.58 PK	74.00	-28.42	1.63 H	254	41.75	3.83
6	15900.00	34.88 AV	54.00	-19.12	1.63 H	254	31.05	3.83
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	110.02 PK			1.42 V	351	104.09	5.93
2	*5300.00	97.43 AV			1.42 V	351	91.50	5.93
3	10600.00	47.34 PK	74.00	-26.66	1.22 V	158	41.78	5.56
4	10600.00	36.68 AV	54.00	-17.32	1.22 V	158	31.12	5.56
5	15900.00	45.78 PK	74.00	-28.22	1.20 V	113	41.95	3.83
6	15900.00	34.15 AV	54.00	-19.85	1.20 V	113	30.32	3.83

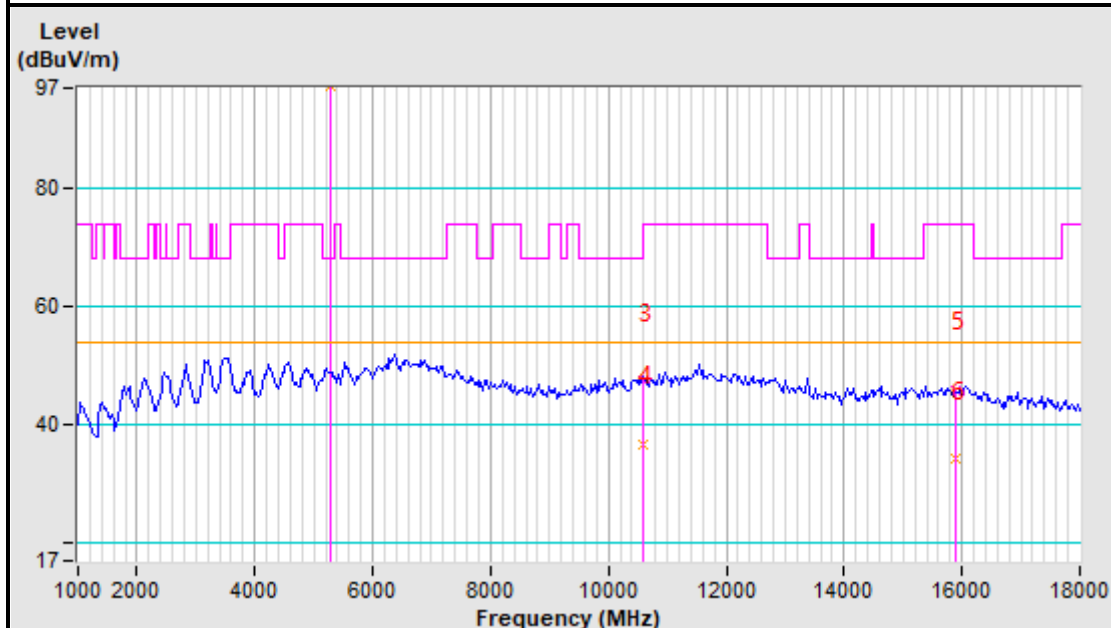
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

5300MHz Horizontal

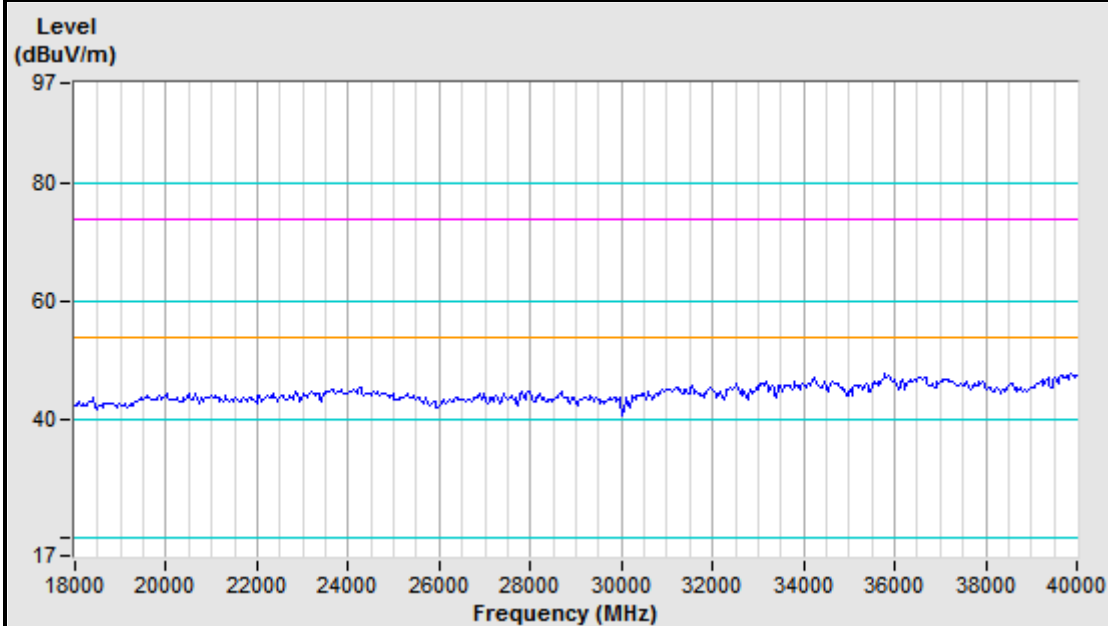


5300MHz Vertical

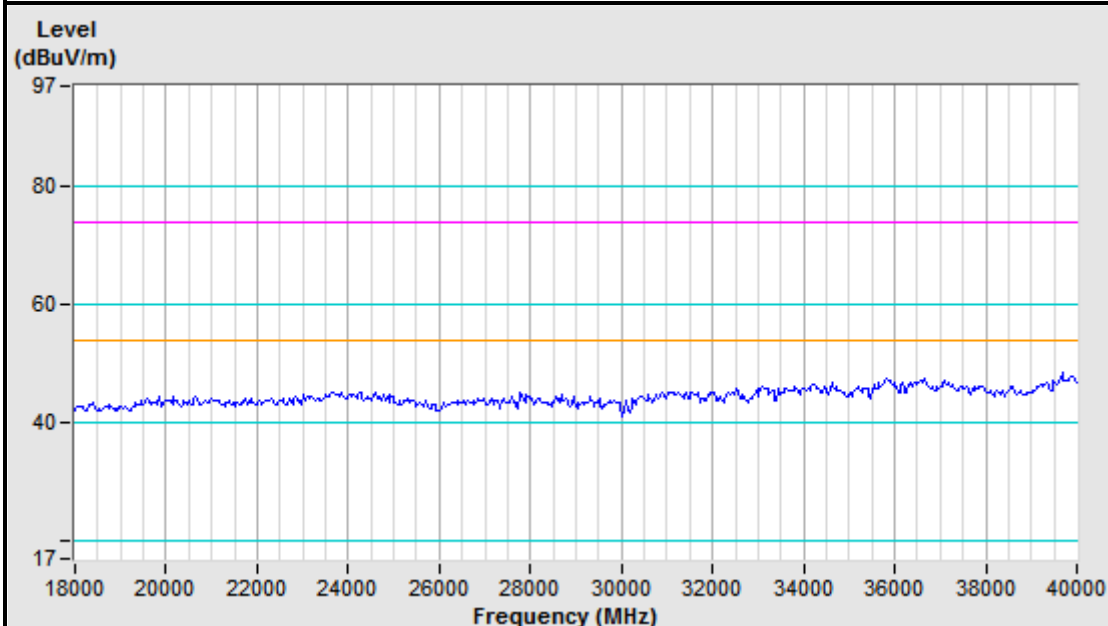


Note: When the harmonic frequency test a fundamental frequency filter is used.

5300MHz Horizontal



5300MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

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

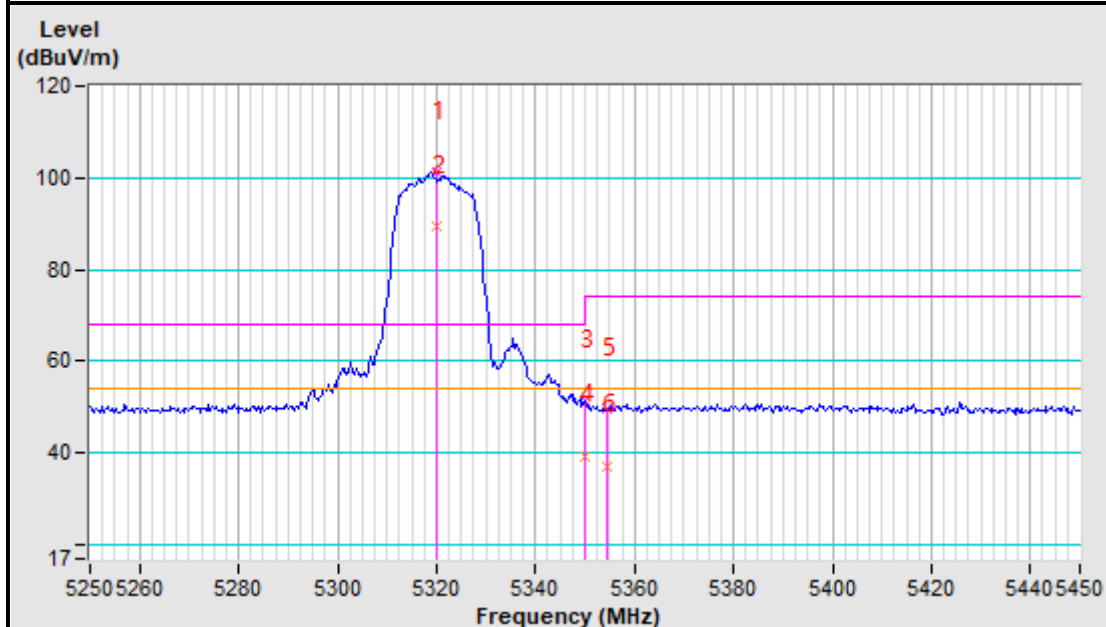
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	101.07 PK			1.25 H	312	95.11	5.96
2	*5320.00	89.45 AV			1.25 H	312	83.49	5.96
3	5350.00	51.34 PK	74.00	-22.66	1.25 H	335	45.34	6.01
4	5350.00	39.47 AV	54.00	-14.53	1.25 H	335	33.46	6.01
5	5354.61	49.62 PK	74.00	-24.38	1.22 H	105	43.61	6.01
6	5354.61	37.15 AV	54.00	-16.85	1.22 H	105	31.14	6.01
7	10640.00	47.84 PK	74.00	-26.16	1.52 H	314	42.21	5.63
8	10640.00	36.77 AV	54.00	-17.23	1.52 H	314	31.14	5.63
9	15960.00	45.18 PK	74.00	-28.82	1.52 H	166	41.35	3.83
10	15960.00	35.91 AV	54.00	-18.09	1.52 H	166	32.08	3.83
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	110.05 PK			1.33 V	21	104.09	5.96
2	*5320.00	97.12 AV			1.33 V	21	91.16	5.96
3	5350.00	54.21 PK	74.00	-19.79	1.66 V	251	48.20	6.01
4	5350.00	40.05 AV	54.00	-13.95	1.66 V	251	34.04	6.01
5	5357.69	53.08 PK	74.00	-20.92	1.52 V	130	47.06	6.02
6	5357.69	38.82 AV	54.00	-15.18	1.52 V	130	32.80	6.02
7	10640.00	47.54 PK	74.00	-26.46	1.55 V	214	41.91	5.63
8	10640.00	36.89 AV	54.00	-17.11	1.55 V	214	31.26	5.63
9	15960.00	45.09 PK	74.00	-28.91	1.29 V	53	41.26	3.83
10	15960.00	34.77 AV	54.00	-19.23	1.29 V	53	30.94	3.83

REMARKS:

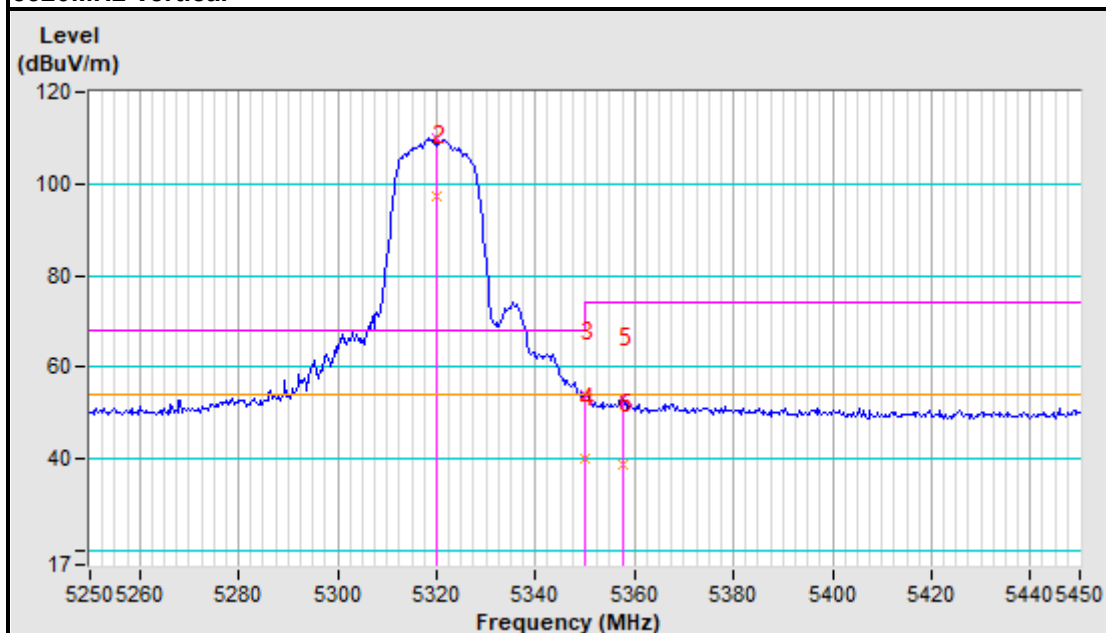
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

Band edge Plot

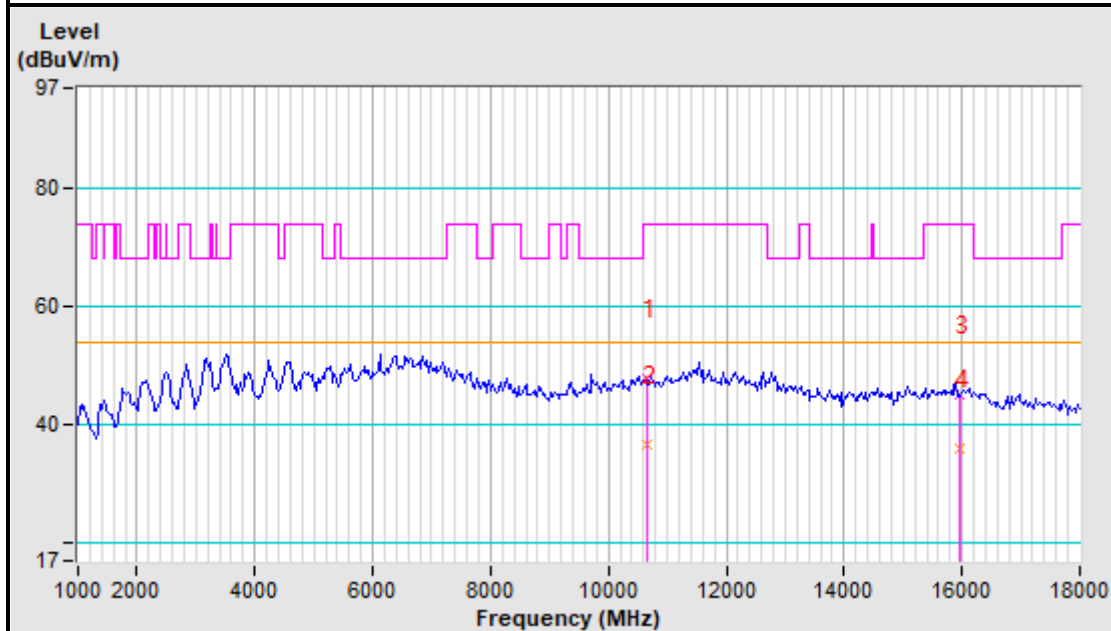
5320MHz Horizontal



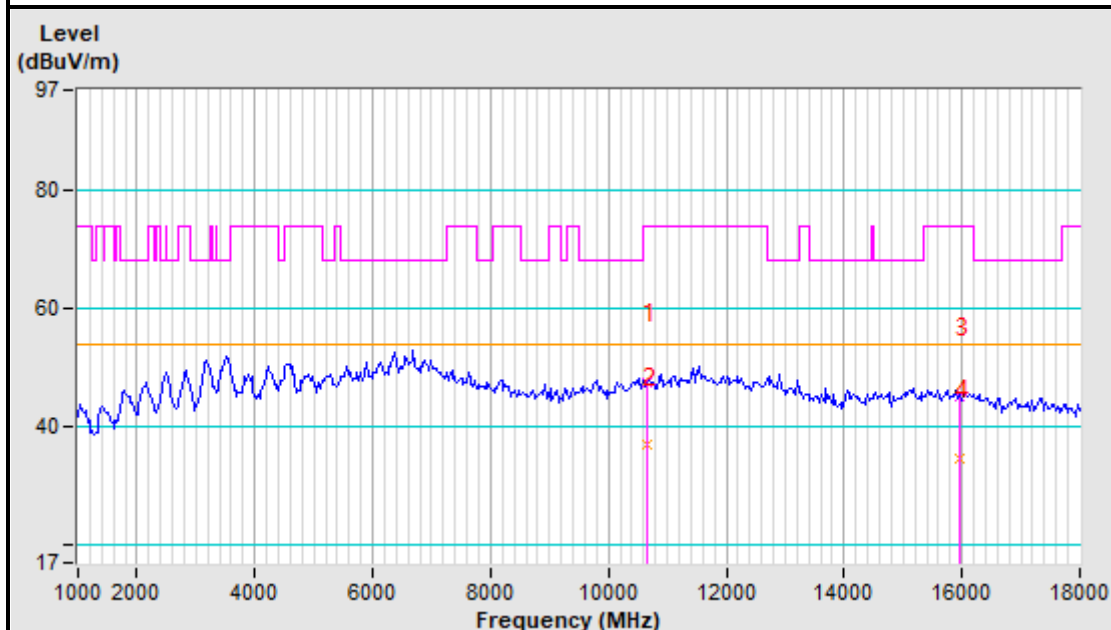
5320MHz Vertical



5320MHz Horizontal

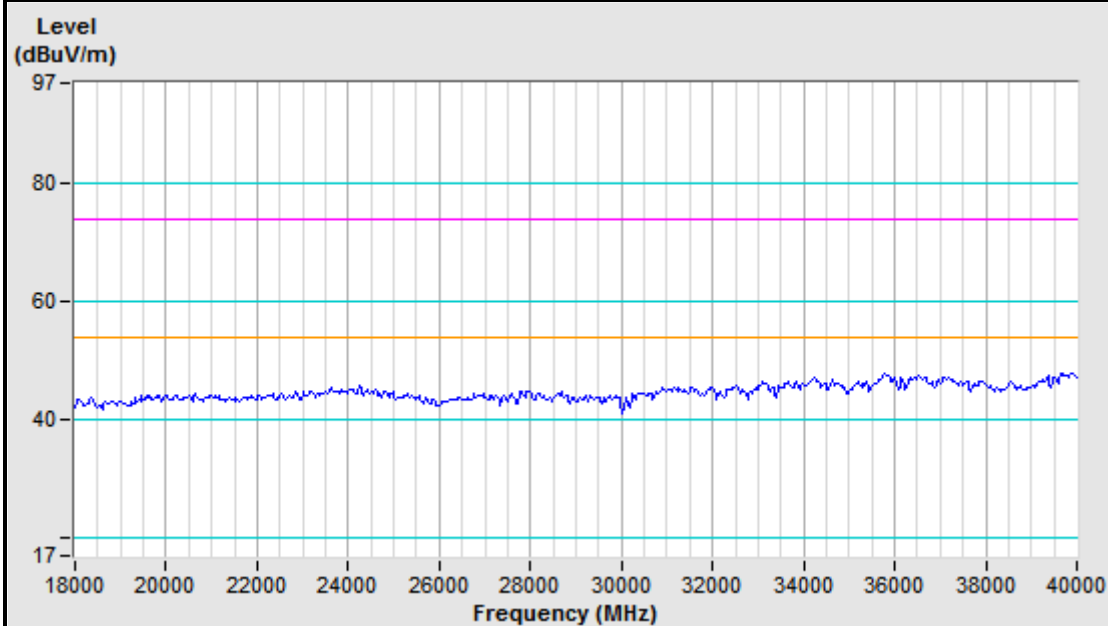


5320MHz Vertical

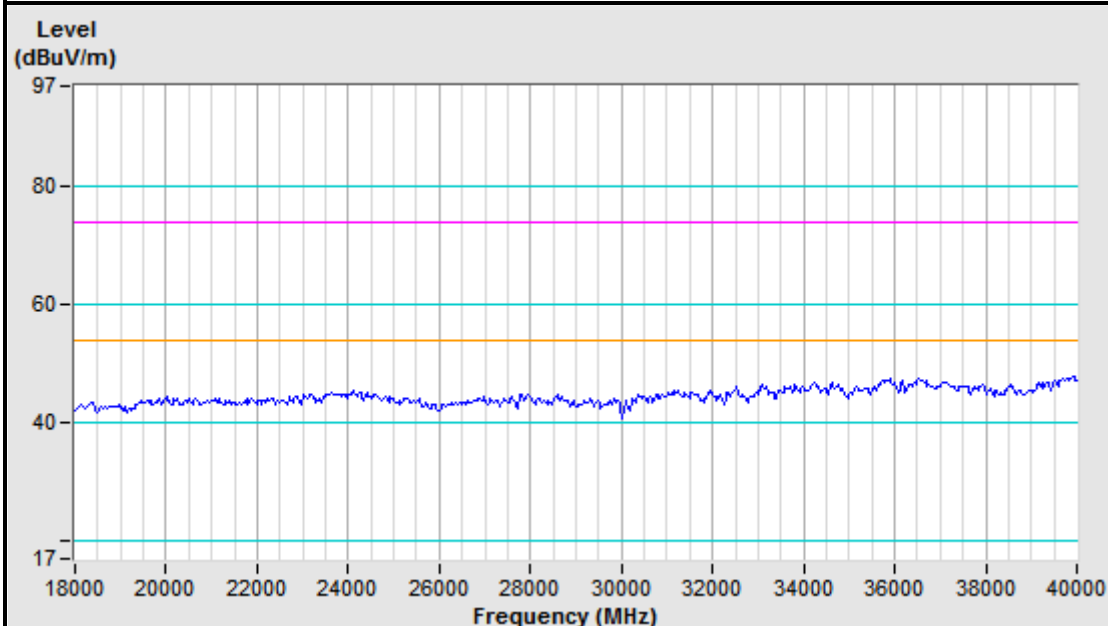


Note: When the harmonic frequency test a fundamental frequency filter is used.

5320MHz Horizontal



5320MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

802.11n (20MHz)

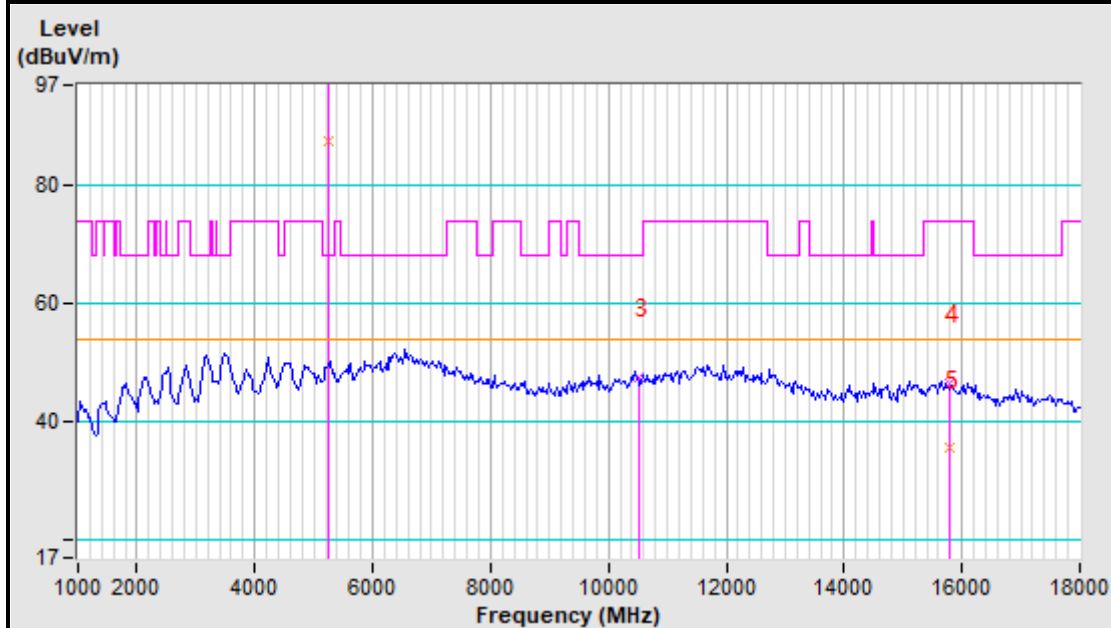
CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	100.42 PK			1.44 H	25	94.55	5.87
2	*5260.00	87.39 AV			1.44 H	25	81.52	5.87
3	#10520.00	47.52 PK	68.20	-20.68	1.66 H	214	42.07	5.45
4	15780.00	46.65 PK	74.00	-27.35	1.42 H	315	42.82	3.83
5	15780.00	35.51 AV	54.00	-18.49	1.42 H	315	31.68	3.83
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	110.62 PK			1.28 V	119	104.75	5.87
2	*5260.00	96.03 AV			1.28 V	119	90.16	5.87
3	#10520.00	47.48 PK	68.20	-20.72	1.55 V	124	42.03	5.45
4	15780.00	46.06 PK	74.00	-27.94	1.08 V	47	42.23	3.83
5	15780.00	36.85 AV	54.00	-17.15	1.08 V	47	33.02	3.83

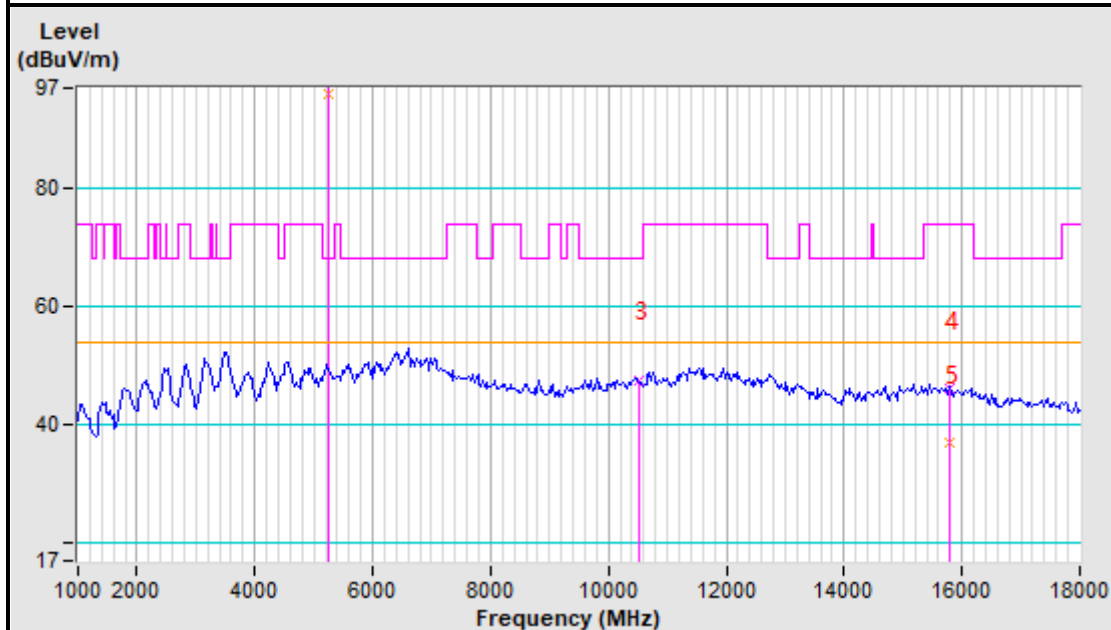
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

5260MHz Horizontal

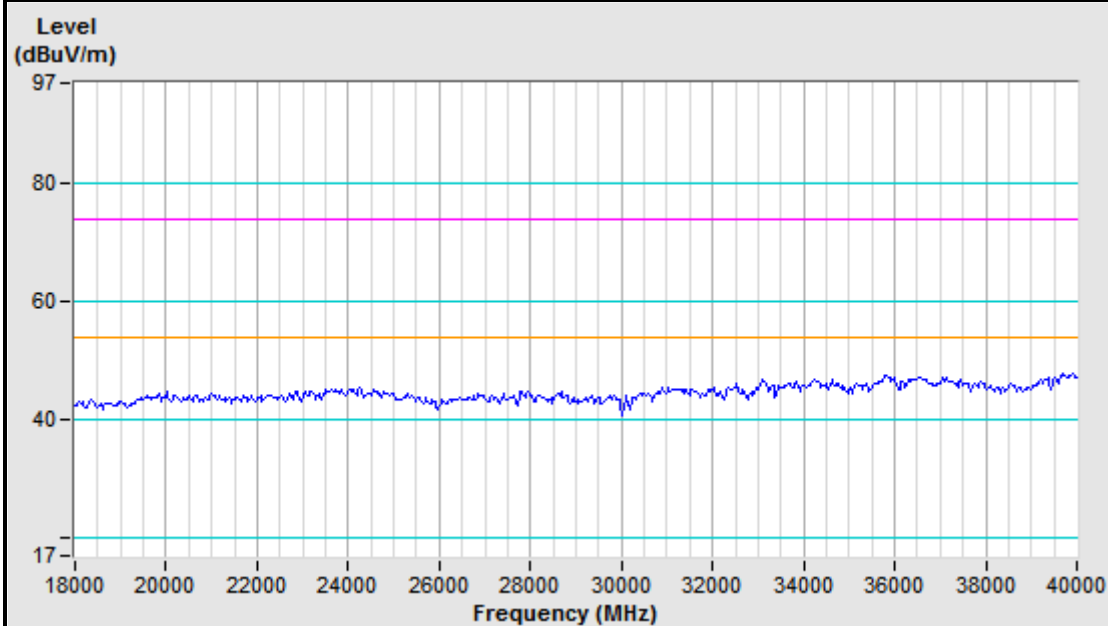


5260MHz Vertical

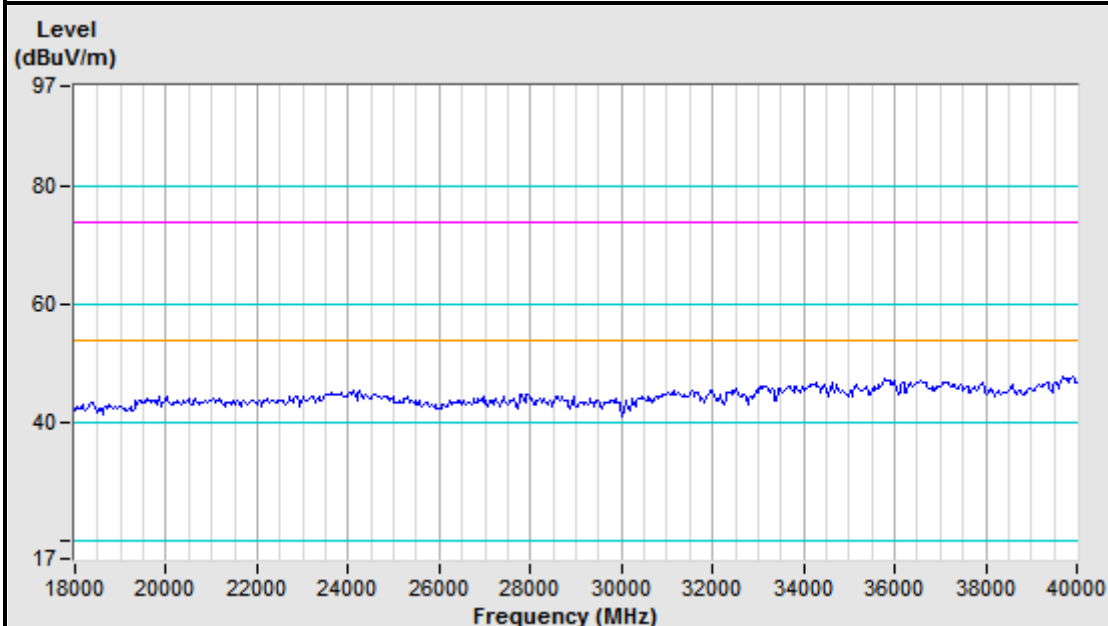


Note: When the harmonic frequency test a fundamental frequency filter is used.

5260MHz Horizontal



5260MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

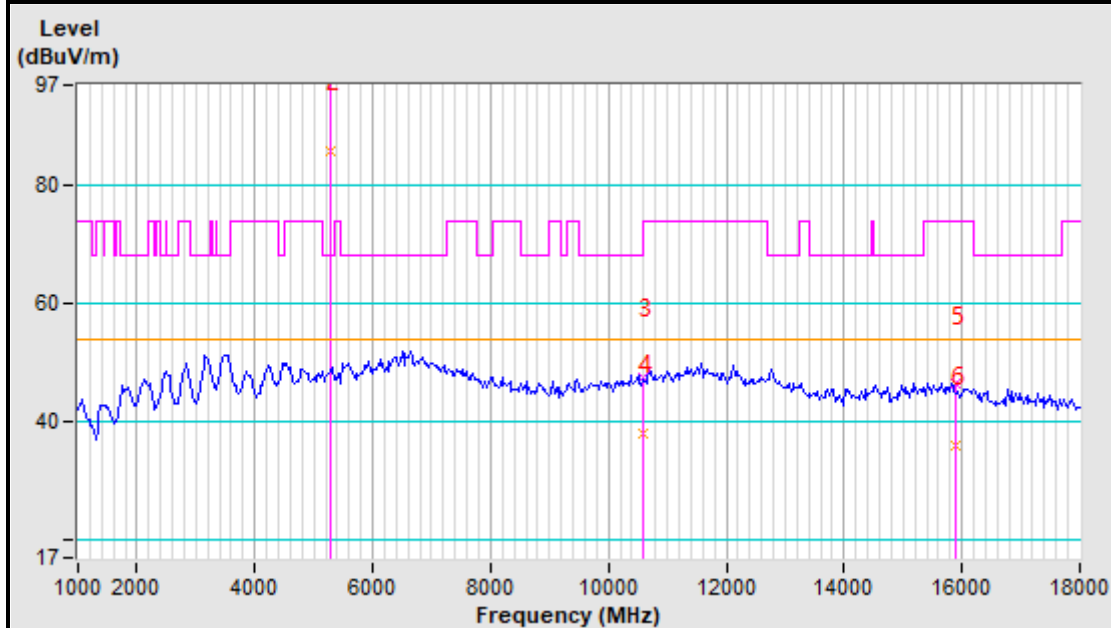
CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	100.69 PK			1.52 H	118	94.76	5.93
2	*5300.00	85.81 AV			1.52 H	118	79.88	5.93
3	10600.00	47.59 PK	74.00	-26.41	1.22 H	135	42.03	5.56
4	10600.00	38.15 AV	54.00	-15.85	1.22 H	135	32.59	5.56
5	15900.00	46.38 PK	74.00	-27.62	1.49 H	224	42.55	3.83
6	15900.00	35.97 AV	54.00	-18.03	1.49 H	224	32.14	3.83
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	110.10 PK			1.52 V	154	104.17	5.93
2	*5300.00	94.51 AV			1.52 V	154	88.58	5.93
3	10600.00	47.82 PK	74.00	-26.18	1.66 V	32	42.26	5.56
4	10600.00	37.58 AV	54.00	-16.42	1.66 V	32	32.02	5.56
5	15900.00	46.19 PK	74.00	-27.81	1.88 V	214	42.36	3.83
6	15900.00	35.82 AV	54.00	-18.18	1.88 V	214	31.99	3.83

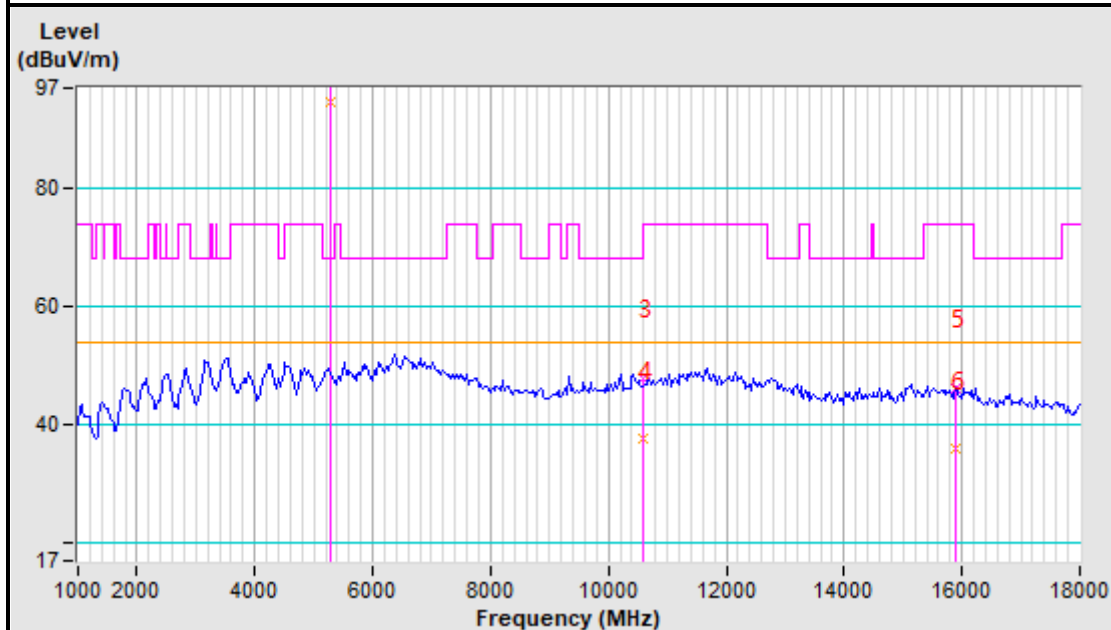
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

5300MHz Horizontal

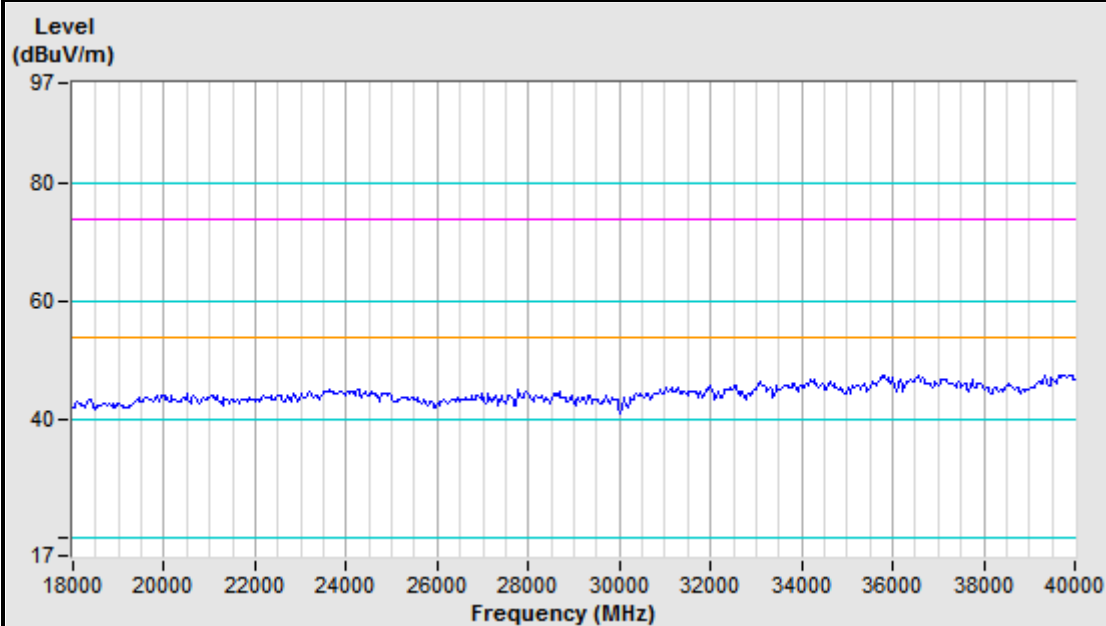


5300MHz Vertical

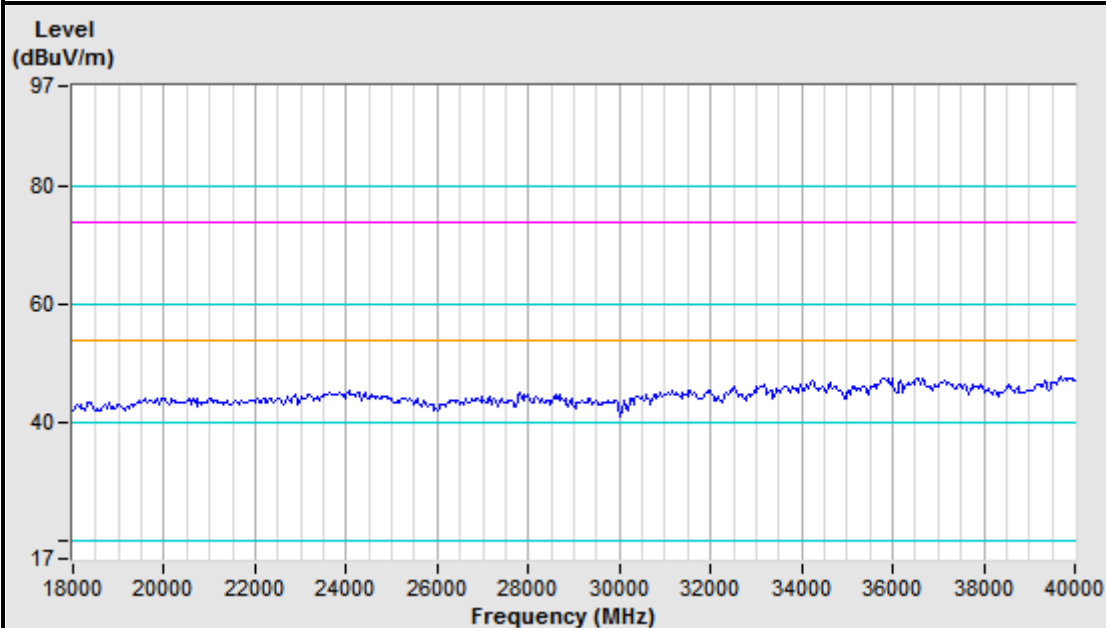


Note: When the harmonic frequency test a fundamental frequency filter is used.

5300MHz Horizontal



5300MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

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

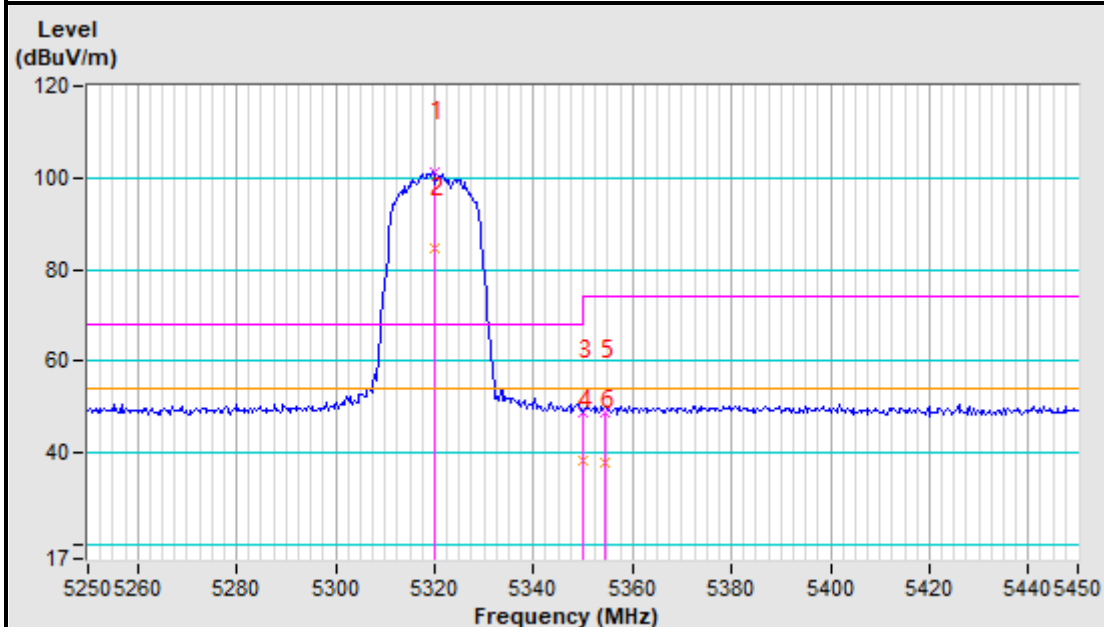
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	101.08 PK			1.62 H	145	95.12	5.96
2	*5320.00	84.62 AV			1.62 H	145	78.66	5.96
3	5350.00	49.07 PK	74.00	-24.93	1.55 H	26	43.06	6.01
4	5350.00	38.17 AV	54.00	-15.83	1.55 H	26	32.16	6.01
5	5354.61	48.92 PK	74.00	-25.08	1.44 H	143	42.91	6.01
6	5354.61	38.04 AV	54.00	-15.96	1.44 H	143	32.03	6.01
7	10640.00	47.18 PK	74.00	-26.82	1.55 H	214	41.55	5.63
8	10640.00	36.85 AV	54.00	-17.15	1.55 H	214	31.22	5.63
9	15960.00	45.58 PK	74.00	-28.42	1.52 H	196	41.75	3.83
10	15960.00	35.21 AV	54.00	-18.79	1.52 H	196	31.38	3.83
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	110.36 PK			1.77 V	52	104.40	5.96
2	*5320.00	95.45 AV			1.77 V	52	89.49	5.96
3	5350.00	52.33 PK	74.00	-21.67	1.42 V	156	46.32	6.01
4	5350.00	39.58 AV	54.00	-14.42	1.42 V	156	33.57	6.01
5	5363.78	53.45 PK	74.00	-20.55	1.66 V	21	47.43	6.02
6	5363.78	39.35 AV	54.00	-14.65	1.66 V	21	33.33	6.02
7	10640.00	46.68 PK	74.00	-27.32	1.25 V	228	41.05	5.63
8	10640.00	35.91 AV	54.00	-18.09	1.25 V	228	30.28	5.63
9	15960.00	46.11 PK	74.00	-27.89	1.32 V	124	42.28	3.83
10	15960.00	36.81 AV	54.00	-17.19	1.32 V	124	32.98	3.83

REMARKS:

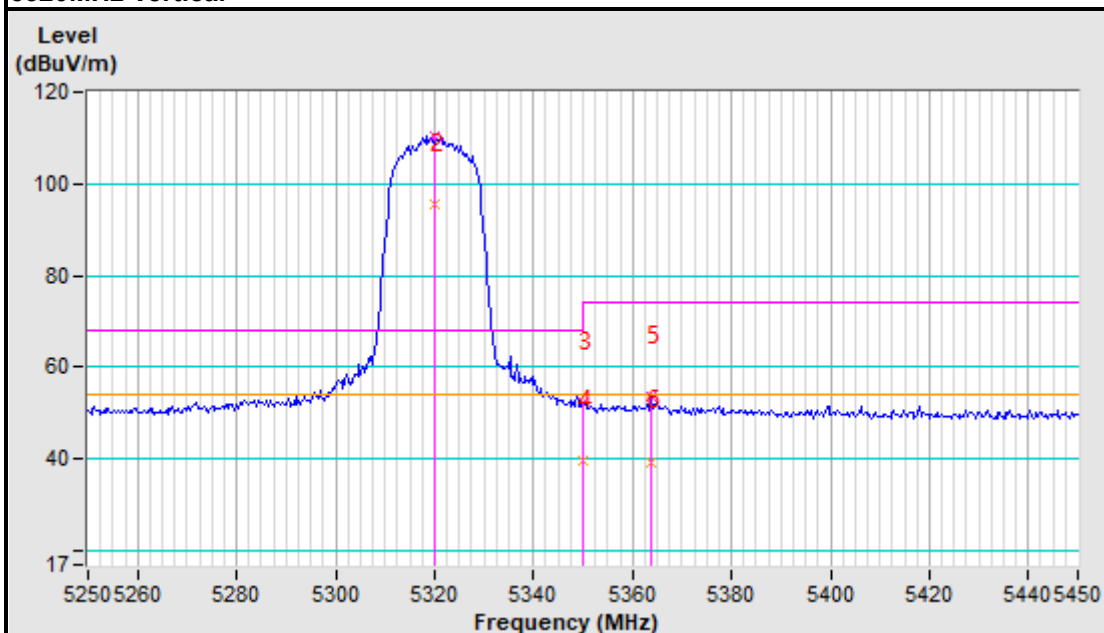
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

Band edge Plot

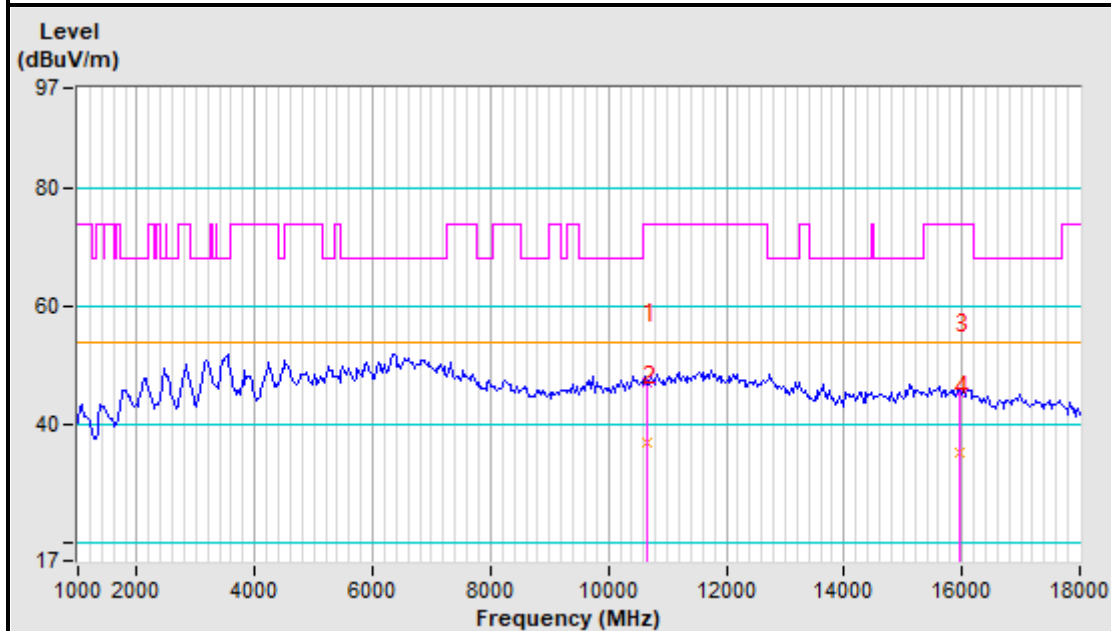
5320MHz Horizontal



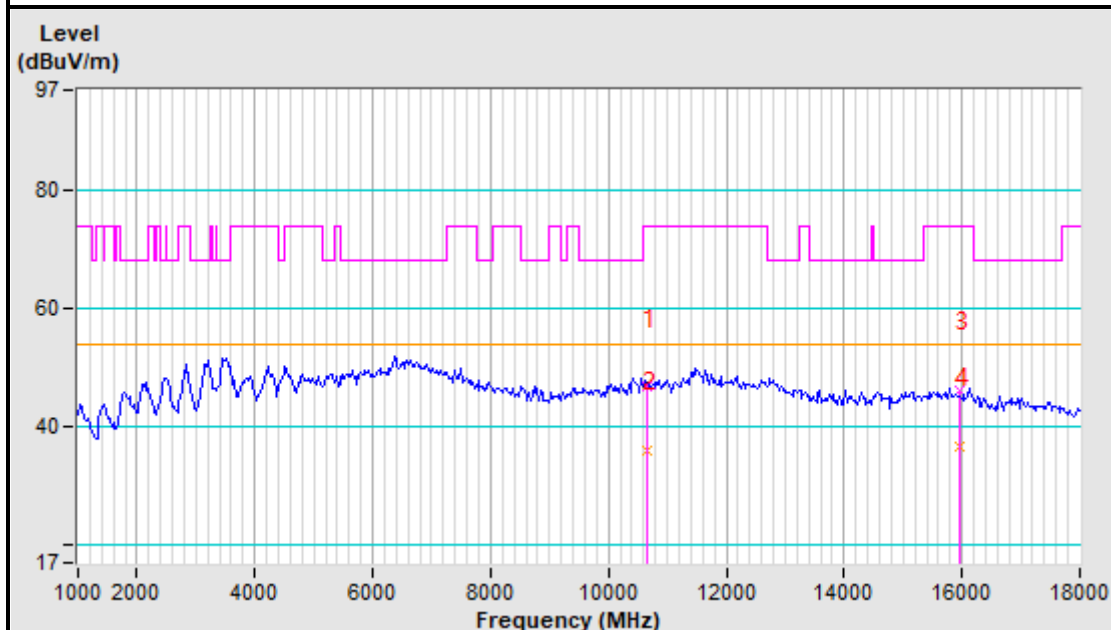
5320MHz Vertical



5320MHz Horizontal

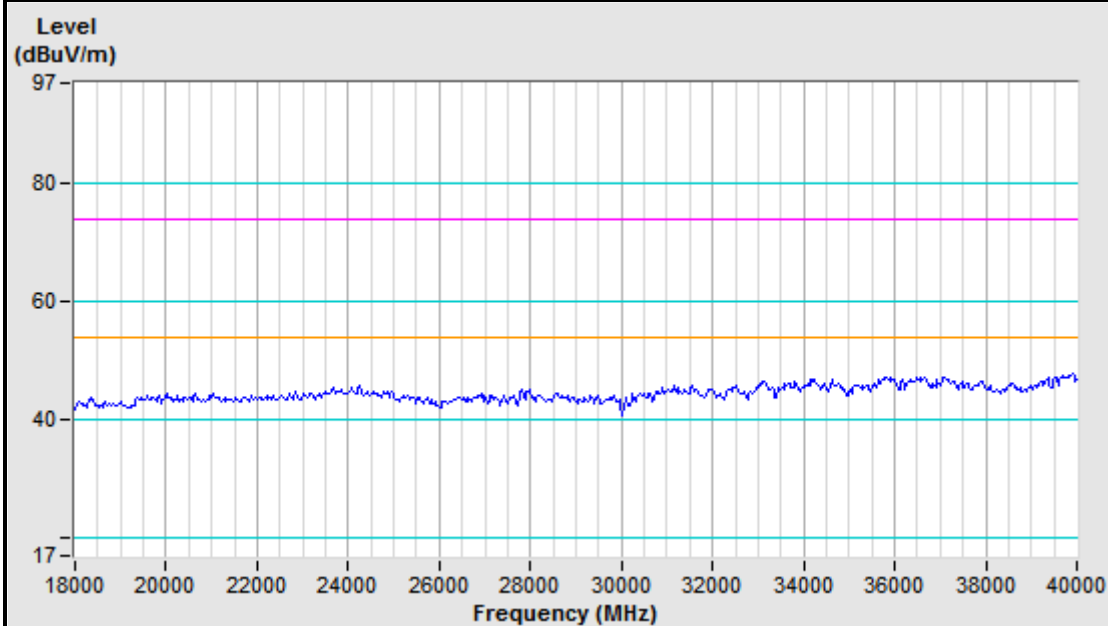


5320MHz Vertical

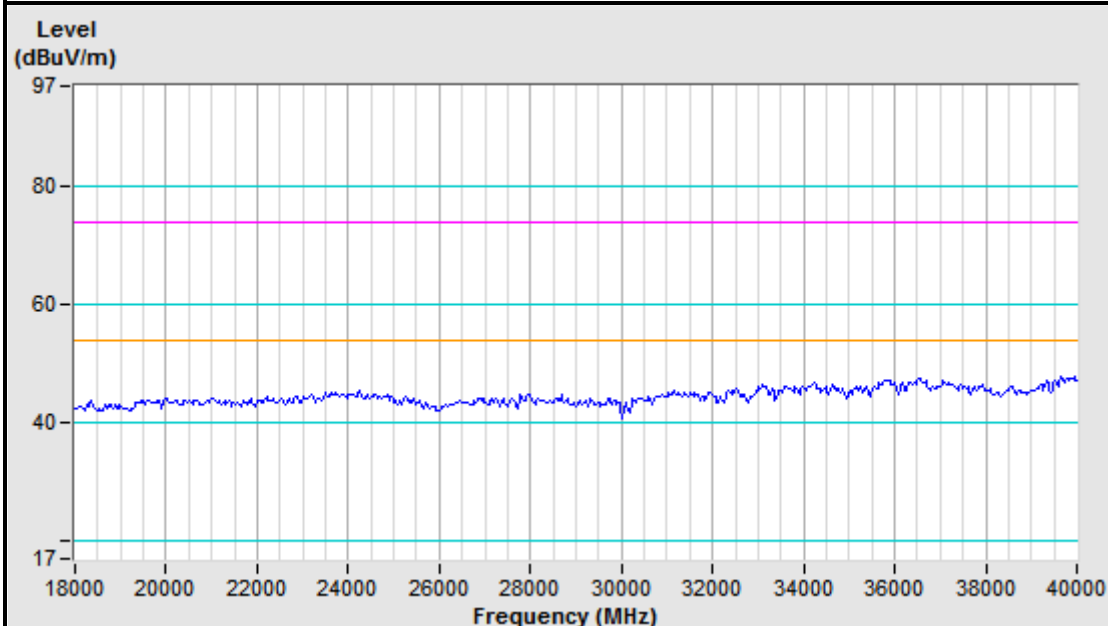


Note: When the harmonic frequency test a fundamental frequency filter is used.

5320MHz Horizontal



5320MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

802.11n (40MHz)

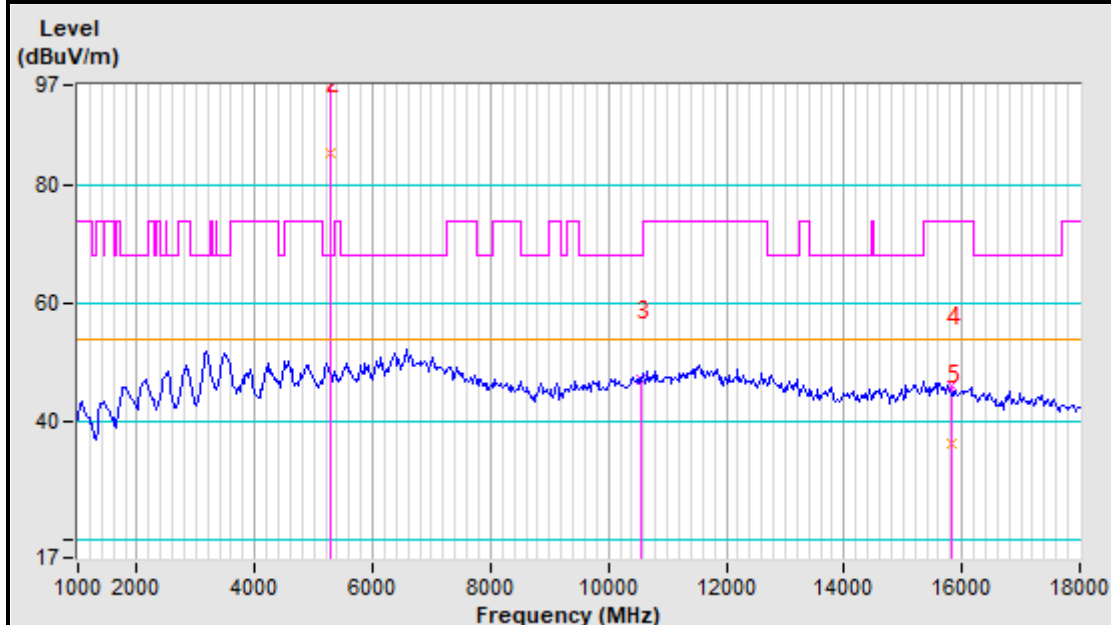
CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

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	99.15 PK			1.52 H	36	93.26	5.89
2	*5270.00	85.59 AV			1.52 H	36	79.70	5.89
3	#10540.00	47.31 PK	68.20	-20.89	1.52 H	62	41.83	5.48
4	15810.00	46.31 PK	74.00	-27.69	1.77 H	42	42.48	3.83
5	15810.00	36.47 AV	54.00	-17.53	1.77 H	42	32.64	3.83
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	108.63 PK			1.42 V	169	102.74	5.89
2	*5270.00	93.35 AV			1.42 V	169	87.46	5.89
3	#10540.00	46.62 PK	68.20	-21.58	1.79 V	159	41.14	5.48
4	15810.00	45.68 PK	74.00	-28.32	1.22 V	351	41.85	3.83
5	15810.00	34.91 AV	54.00	-19.09	1.22 V	351	31.08	3.83

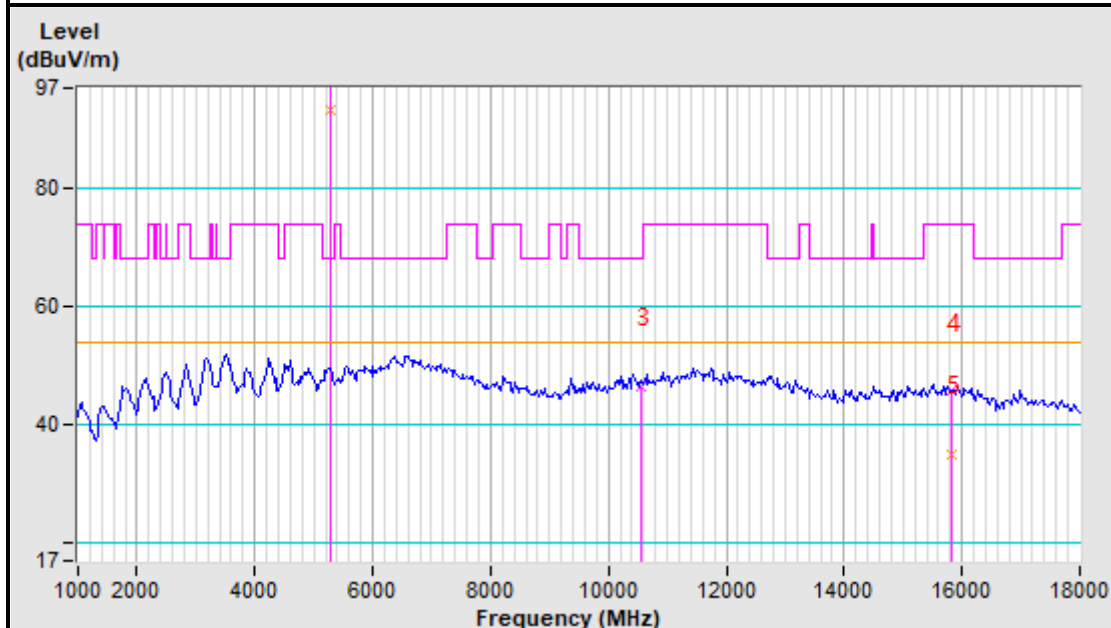
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

5270MHz Horizontal

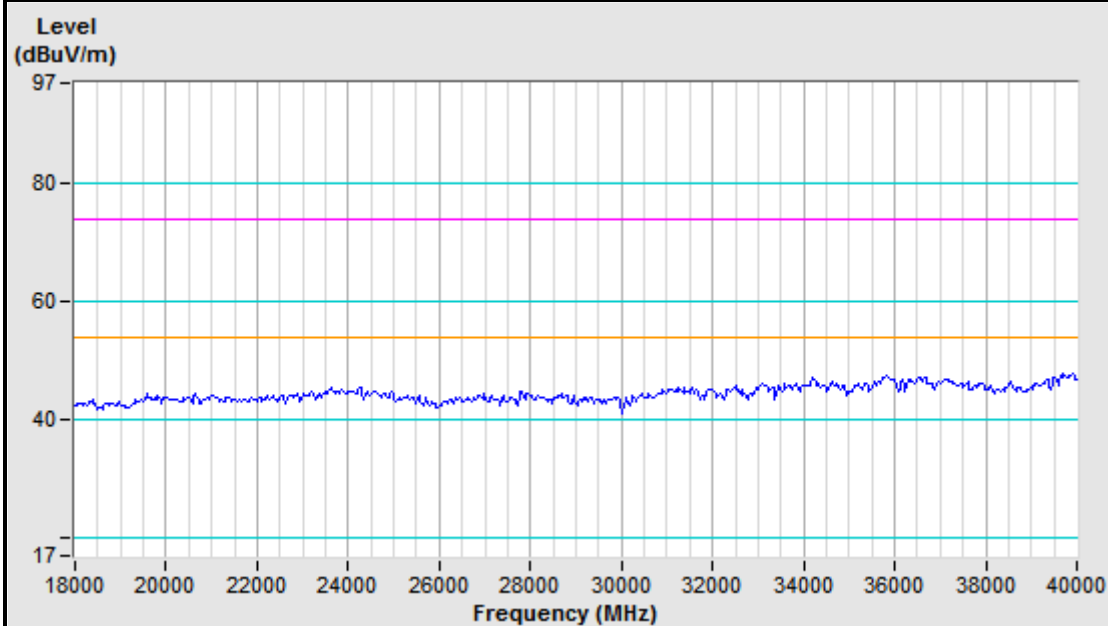


5270MHz Vertical

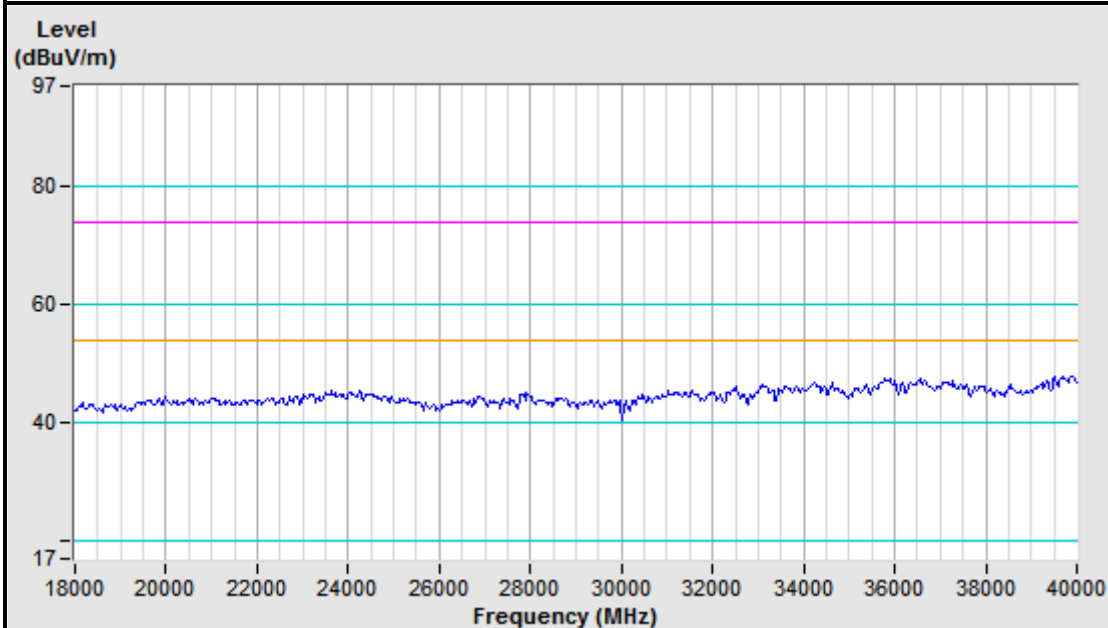


Note: When the harmonic frequency test a fundamental frequency filter is used.

5270MHz Horizontal



5270MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

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

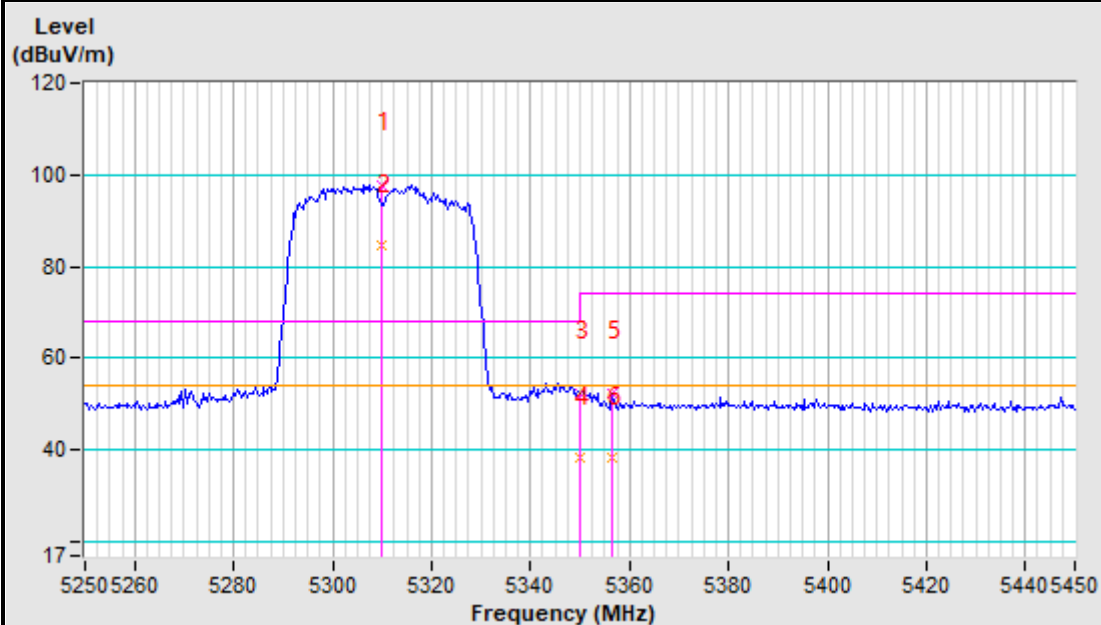
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	97.92 PK			1.55 H	132	91.98	5.94
2	*5310.00	84.57 AV			1.55 H	132	78.63	5.94
3	5350.00	52.50 PK	74.00	-21.50	1.77 H	132	46.49	6.01
4	5350.00	38.38 AV	54.00	-15.62	1.77 H	132	32.37	6.01
5	5356.41	52.56 PK	74.00	-21.44	1.55 H	195	46.55	6.01
6	5356.41	38.22 AV	54.00	-15.78	1.55 H	195	32.21	6.01
7	10620.00	47.75 PK	74.00	-26.25	1.52 H	138	42.15	5.60
8	10620.00	38.18 AV	54.00	-15.82	1.52 H	138	32.58	5.60
9	15930.00	45.88 PK	74.00	-28.12	1.44 H	108	42.05	3.83
10	15930.00	35.18 AV	54.00	-18.82	1.44 H	108	31.35	3.83
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	107.03 PK			1.55 V	36	101.09	5.94
2	*5310.00	91.48 AV			1.55 V	36	85.54	5.94
3	5350.00	58.38 PK	74.00	-15.62	1.62 V	125	52.37	6.01
4	5350.00	40.48 AV	54.00	-13.52	1.62 V	125	34.47	6.01
5	5364.10	54.97 PK	74.00	-19.03	1.55 V	188	48.94	6.03
6	5364.10	39.42 AV	54.00	-14.58	1.55 V	188	33.39	6.03
7	10620.00	47.40 PK	74.00	-26.60	1.55 V	108	41.80	5.60
8	10620.00	36.91 AV	54.00	-17.09	1.55 V	108	31.31	5.60
9	15930.00	45.52 PK	74.00	-28.48	1.63 V	21	41.69	3.83
10	15930.00	34.82 AV	54.00	-19.18	1.63 V	21	30.99	3.83

REMARKS:

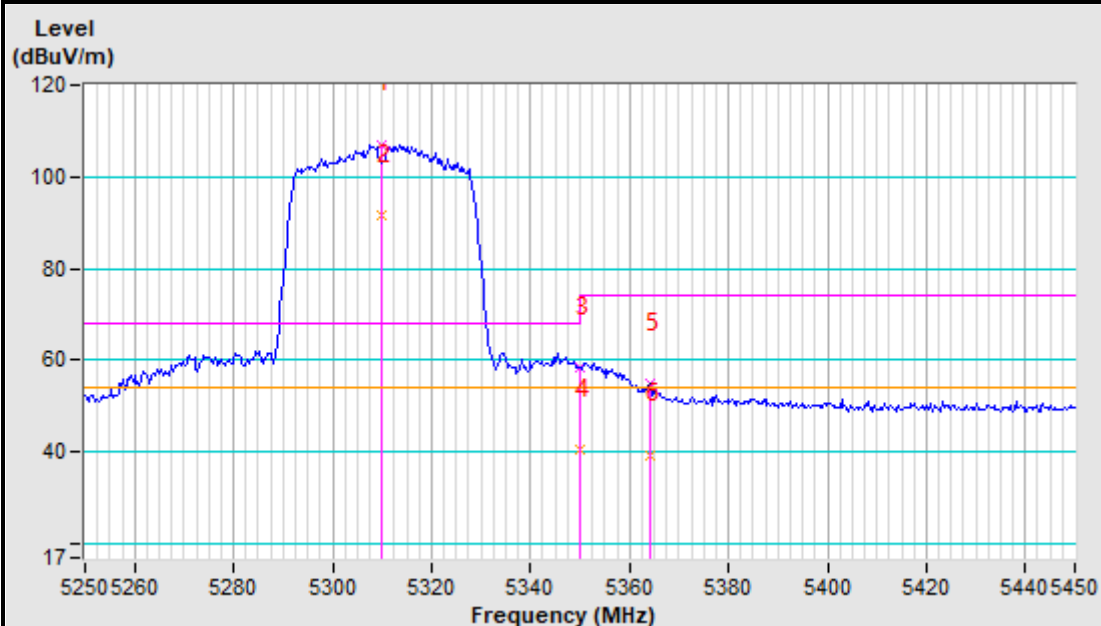
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

Band edge Plot

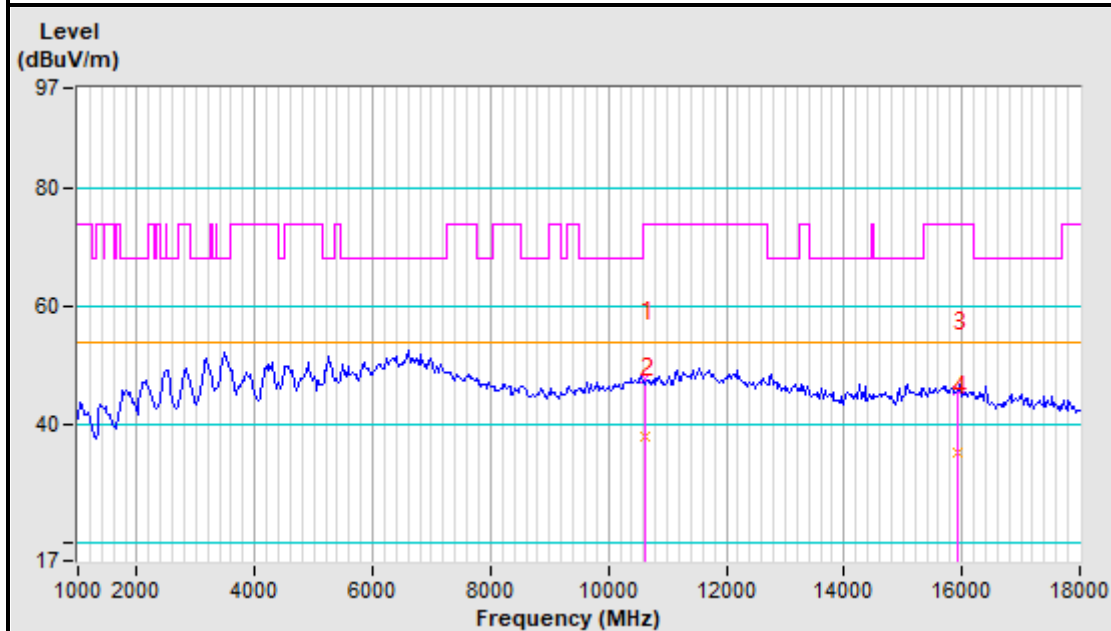
5310MHz Horizontal



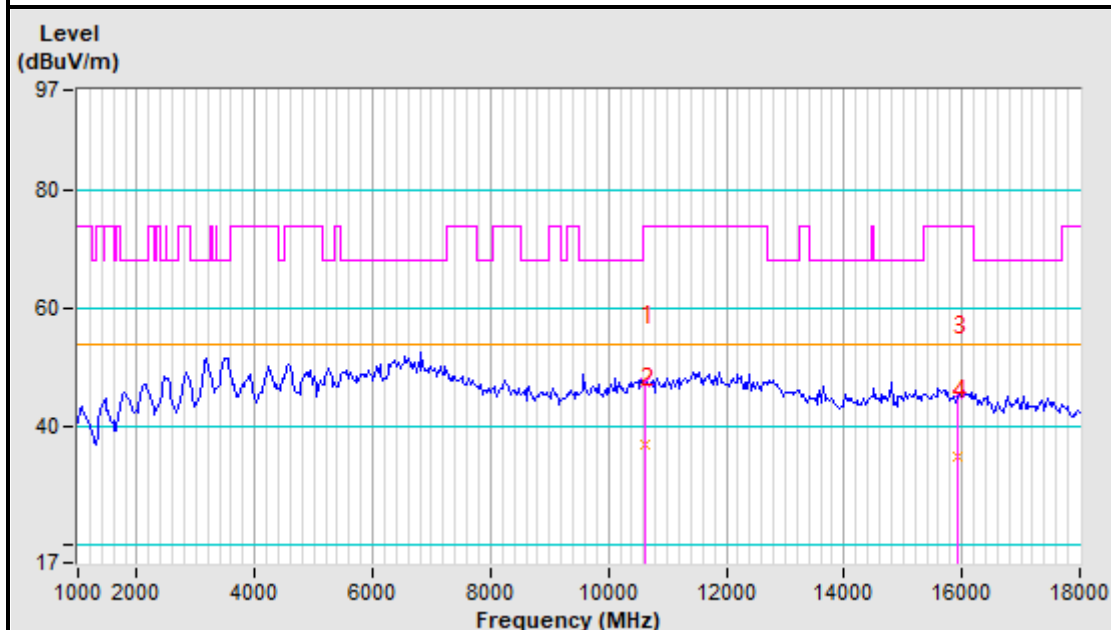
5310MHz Vertical



5310MHz Horizontal

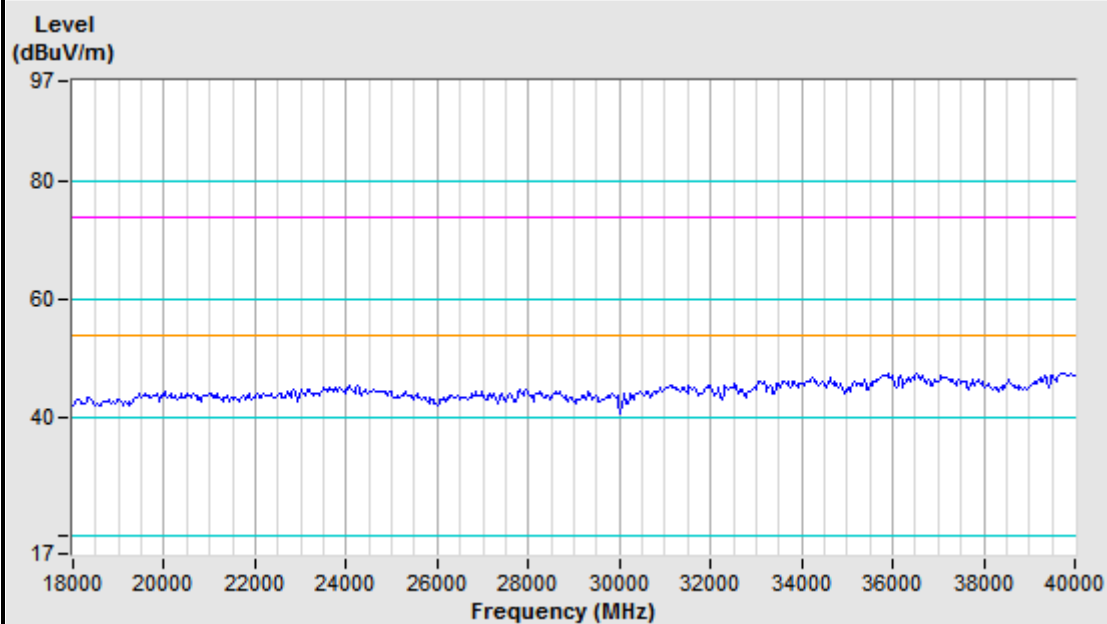


5310MHz Vertical

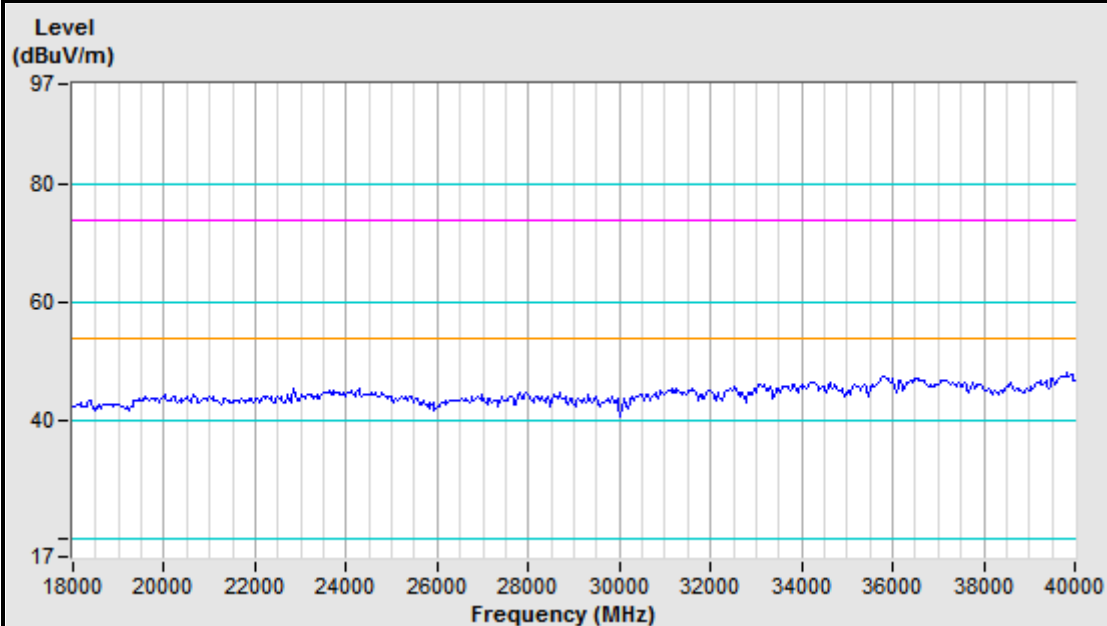


Note: When the harmonic frequency test a fundamental frequency filter is used.

5310MHz Horizontal



5310MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

802.11ac 80MHz

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

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	95.30 PK			1.42 H	188	89.39	5.91
2	*5290.00	85.06 AV			1.42 H	188	79.15	5.91
3	5350.00	56.88 PK	74.00	-17.12	1.62 H	142	50.87	6.01
4	5350.00	39.65 AV	54.00	-14.35	1.62 H	142	33.64	6.01
5	5353.84	55.96 PK	74.00	-18.04	1.24 H	109	49.95	6.01
6	5353.84	39.51 AV	54.00	-14.49	1.24 H	109	33.50	6.01
7	#10580.00	47.21 PK	68.20	-20.99	1.63 H	118	41.67	5.54
8	15870.00	47.19 PK	74.00	-26.81	1.55 H	269	43.36	3.83
9	15870.00	37.05 AV	54.00	-16.95	1.55 H	269	33.22	3.83
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	103.32 PK			1.48 V	144	97.41	5.91
2	*5290.00	93.12 AV			1.48 V	144	87.21	5.91
3	5350.00	63.76 PK	74.00	-10.24	1.20 V	189	57.75	6.01
4	5350.00	42.57 AV	54.00	-11.43	1.20 V	189	36.56	6.01
5	5354.80	63.07 PK	74.00	-10.93	1.77 V	216	57.06	6.01
6	5354.80	41.88 AV	54.00	-12.12	1.77 V	216	35.87	6.01
7	#10580.00	47.65 PK	68.20	-20.55	1.22 V	140	42.11	5.54
8	15870.00	47.32 PK	74.00	-26.68	1.52 V	119	43.49	3.83
9	15870.00	37.64 AV	54.00	-16.36	1.52 V	119	33.81	3.83

REMARKS:

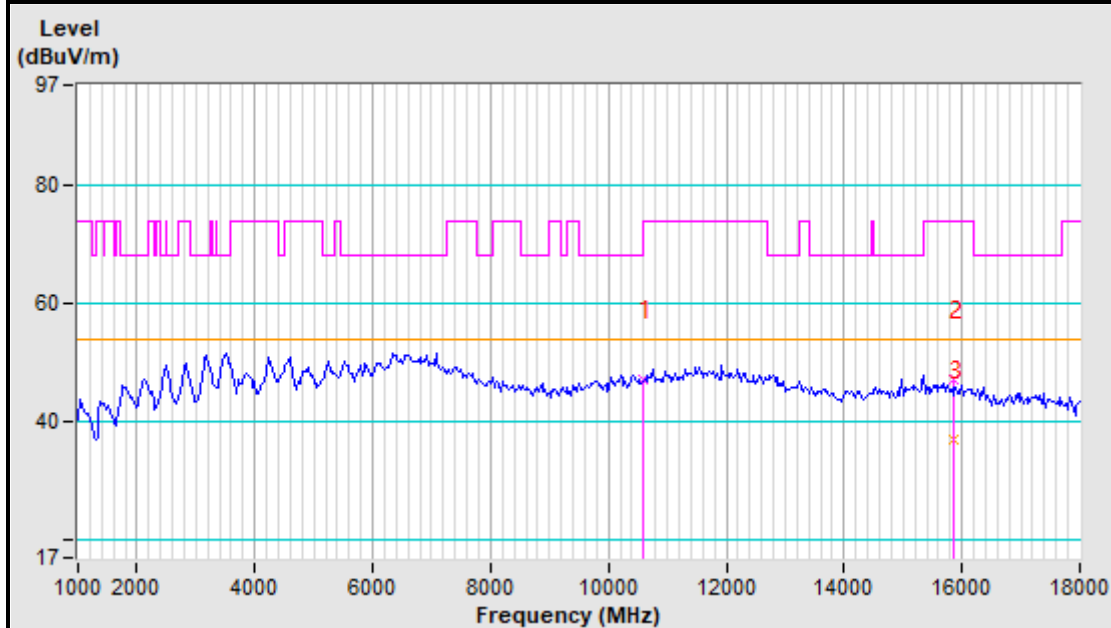
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.



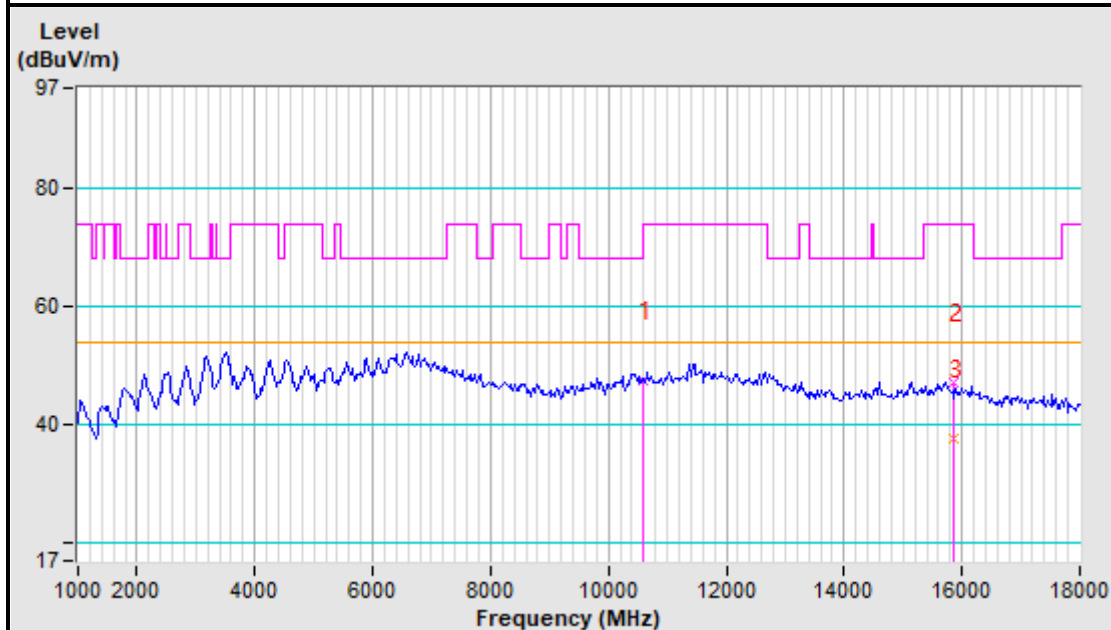
5290MHz Horizontal



5290MHz Horizontal

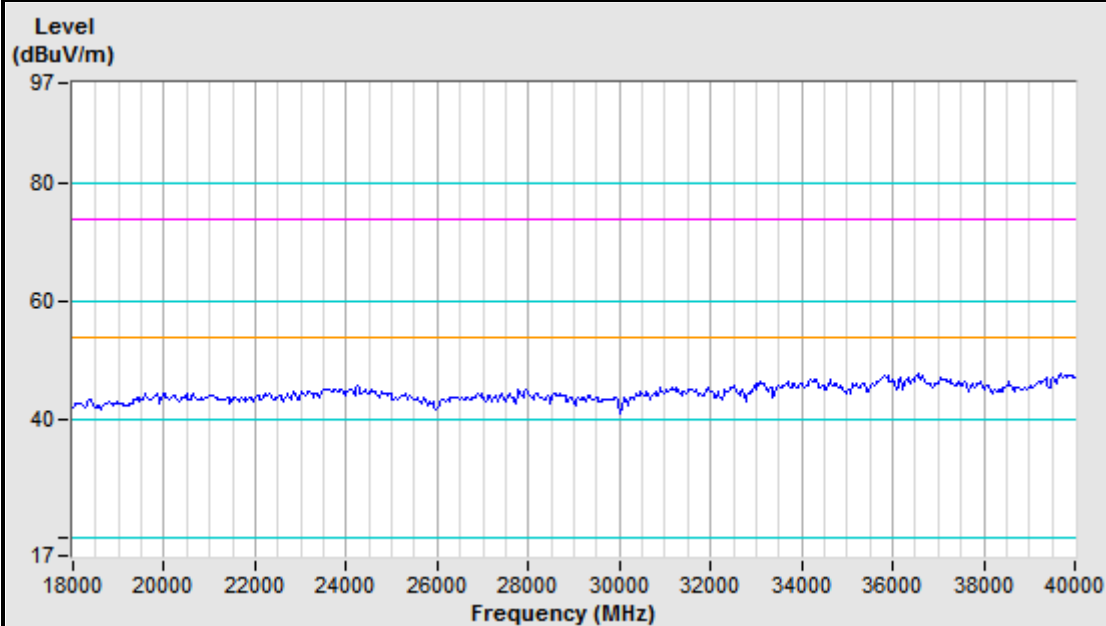


5290MHz Vertical

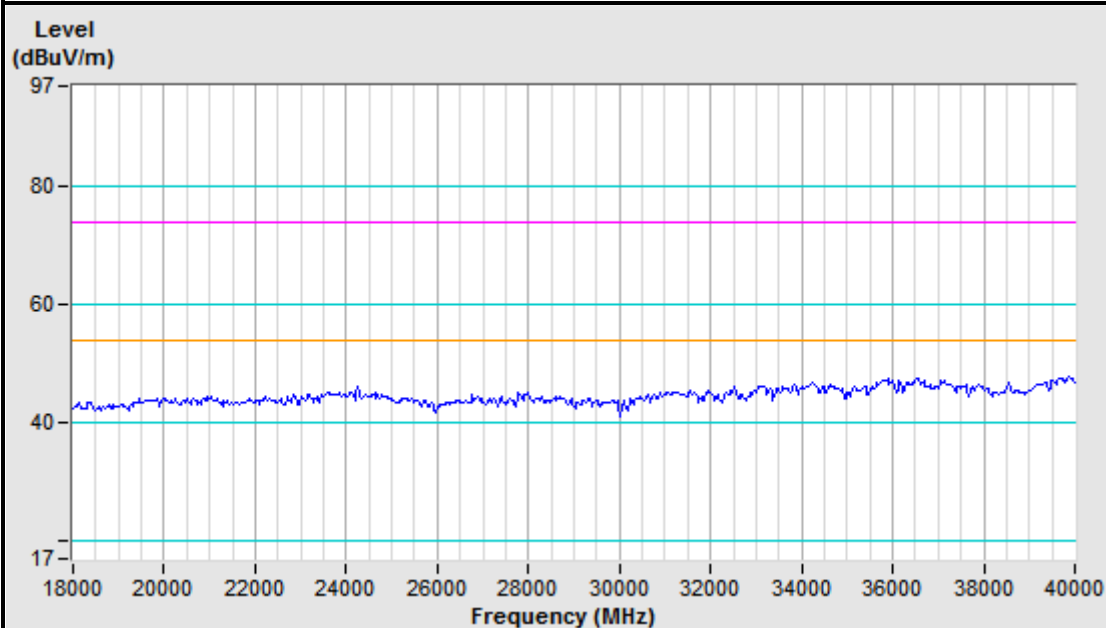


Note: When the harmonic frequency test a fundamental frequency filter is used.

5290MHz Horizontal



5290MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

Band 3 (5470-5725MHz):

ABOVE 1GHz DATA

802.11a

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

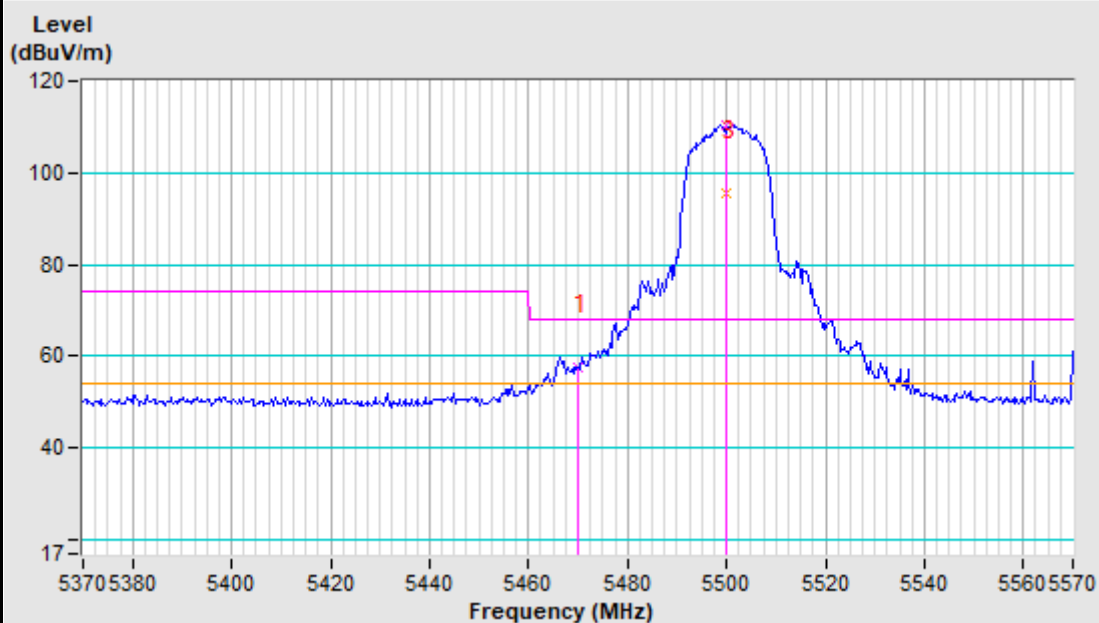
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.63 PK	68.20	-10.57	1.56 H	5	51.45	6.18
2	*5500.00	110.28 PK			1.56 H	56	104.06	6.22
3	*5500.00	95.67 AV			1.56 H	56	89.45	6.22
4	11000.00	47.71 PK	74.00	-26.29	1.56 H	56	41.55	6.16
5	11000.00	39.56 AV	54.00	-14.44	1.56 H	56	33.40	6.16
6	#16500.00	47.96 PK	68.20	-20.24	1.56 H	5	42.24	5.72
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	#5466.40	54.69 PK	68.20	-13.51	4.00 V	56	48.52	6.17
2	#5470.00	52.57 PK	68.20	-15.63	4.00 V	16	46.39	6.18
3	*5500.00	103.07 PK			1.56 V	56	96.85	6.22
4	*5500.00	91.99 AV			1.56 V	56	85.77	6.22
5	11000.00	48.53 PK	74.00	-25.47	1.56 V	56	42.37	6.16
6	11000.00	38.26 AV	54.00	-15.74	1.56 V	56	32.10	6.16
7	#16500.00	48.10 PK	68.20	-20.10	4.00 V	46	42.38	5.72

REMARKS:

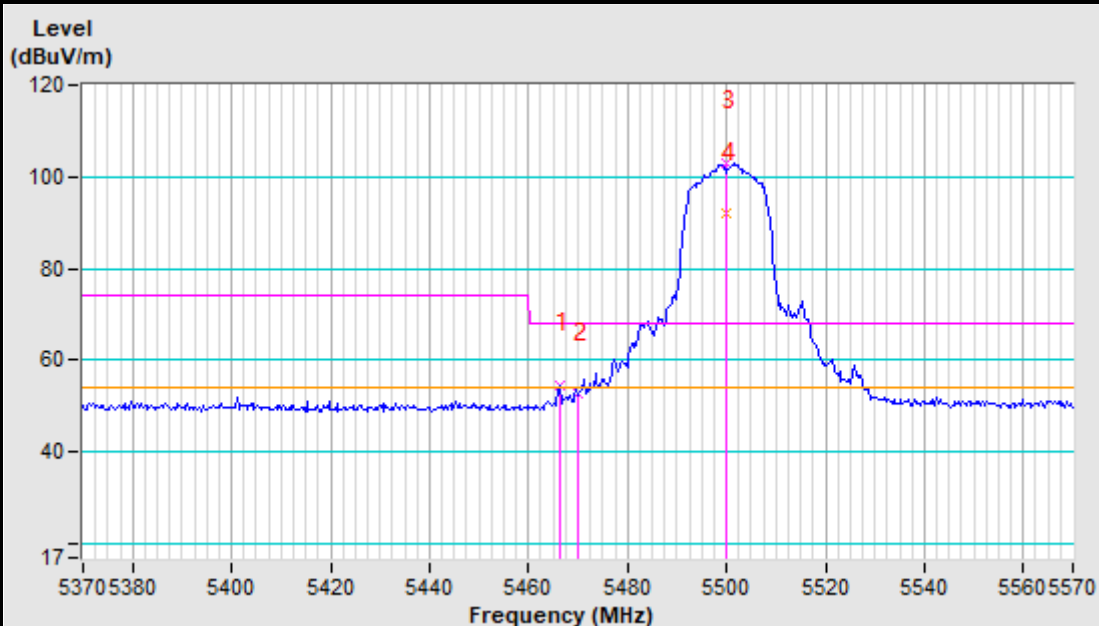
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

5500MHz Horizontal

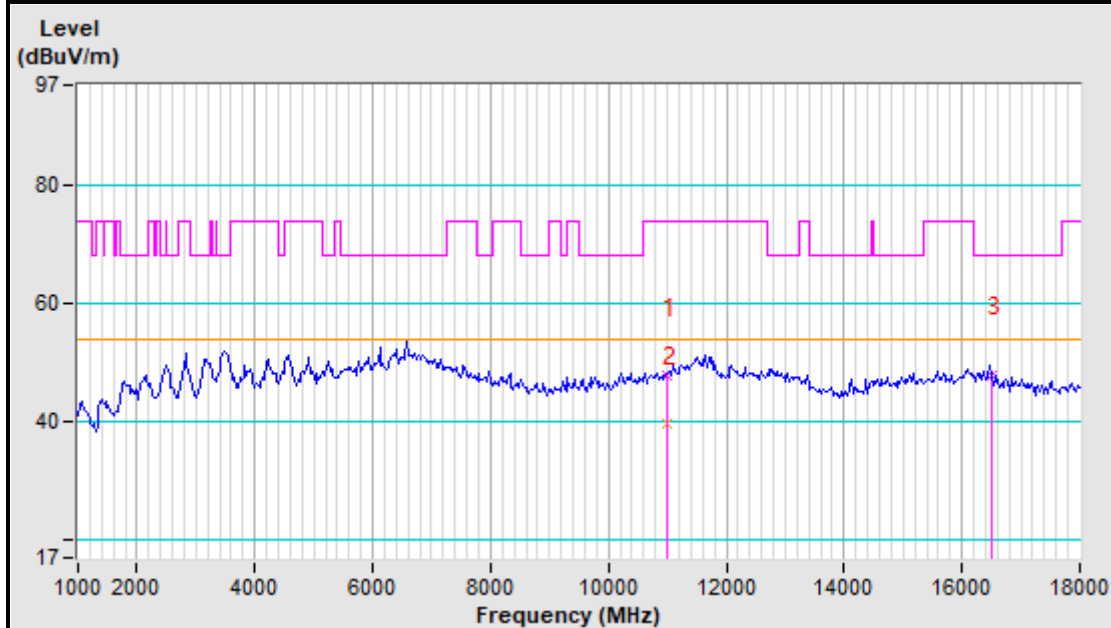


5500MHz Vertical

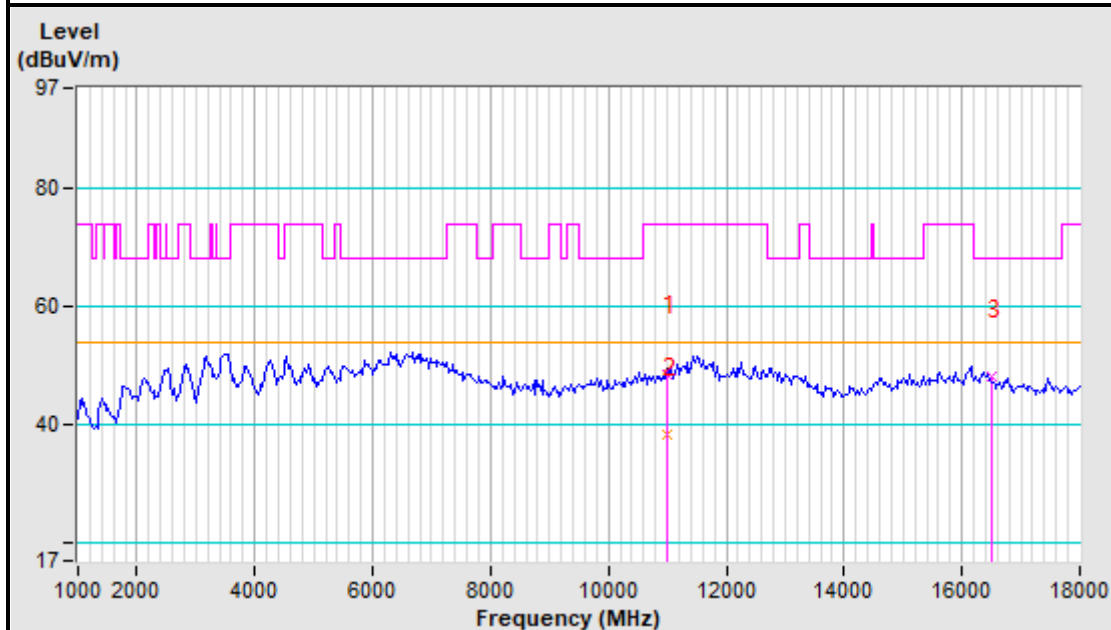


Note: When the harmonic frequency test a fundamental frequency filter is used.

5500MHz Horizontal

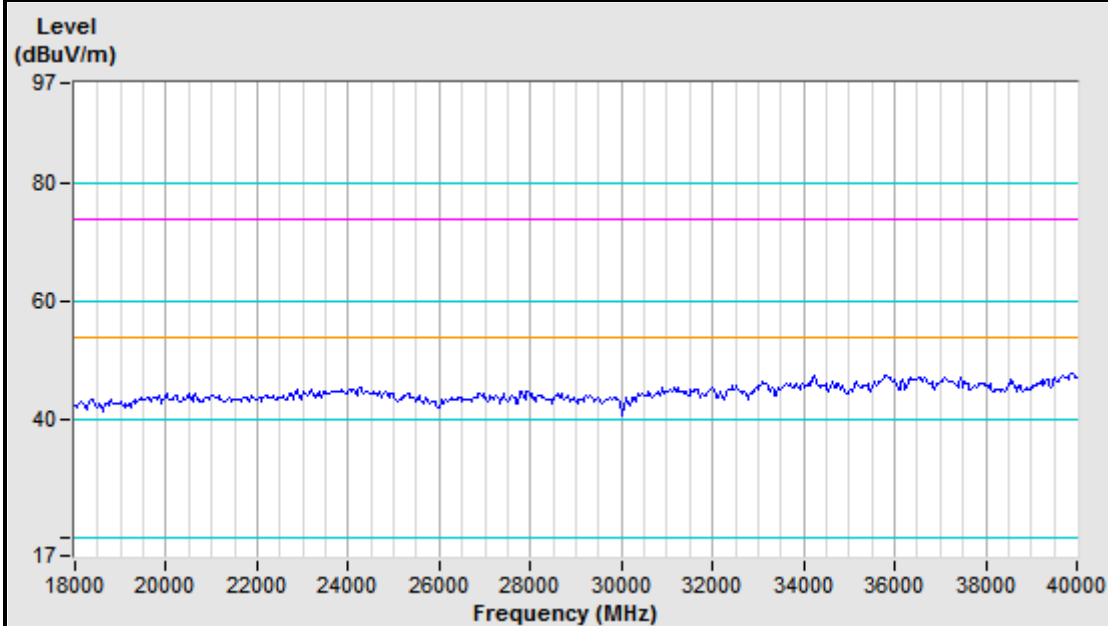


5500MHz Vertical

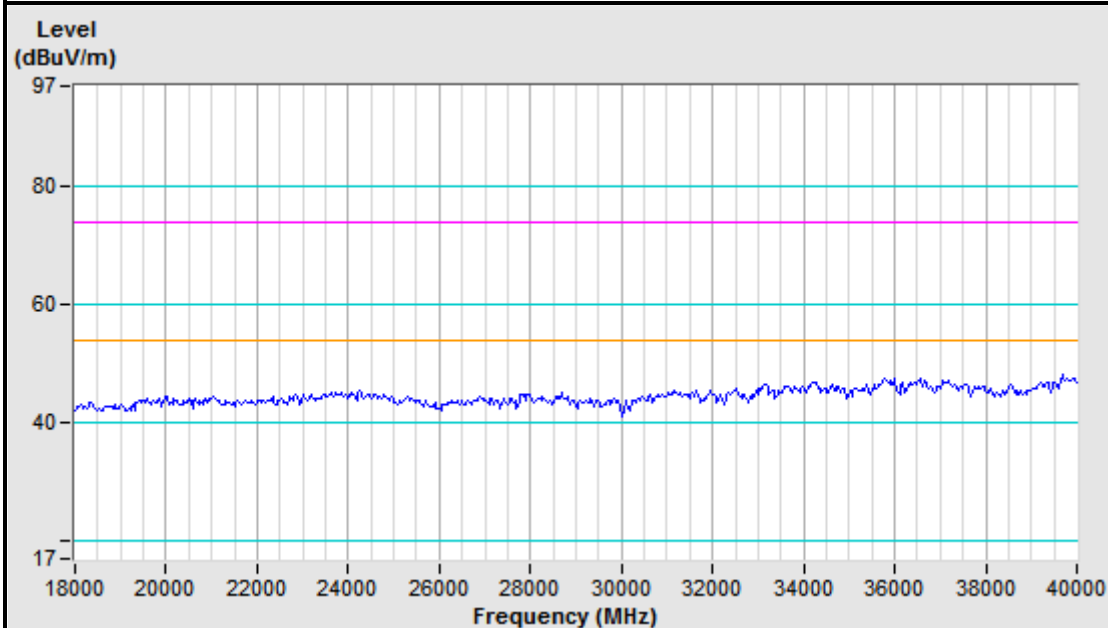


Note: When the harmonic frequency test a fundamental frequency filter is used.

5500MHz Horizontal



5500MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

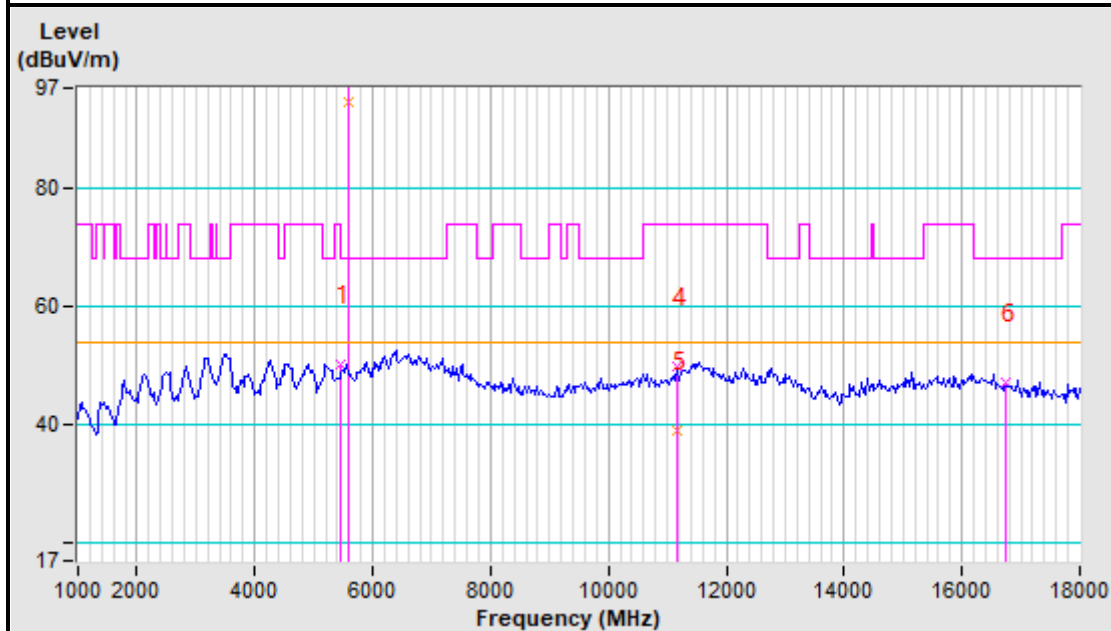
CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	50.21 PK	68.20	-17.99	1.56 H	5	44.03	6.18
2	*5580.00	109.06 PK			1.56 H	56	102.65	6.41
3	*5580.00	94.67 AV			1.56 H	56	88.26	6.41
4	11160.00	49.86 PK	74.00	-24.14	4.00 H	56	42.84	7.02
5	11160.00	39.15 AV	54.00	-14.85	4.00 H	56	32.13	7.02
6	#16740.00	47.28 PK	68.20	-20.92	1.56 H	56	42.19	5.09
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	50.50 PK	68.20	-17.70	1.56 V	56	44.32	6.18
2	*5580.00	103.39 PK			1.56 V	56	96.98	6.41
3	*5580.00	89.88 AV			1.56 V	56	83.47	6.41
4	11160.00	48.94 PK	74.00	-25.06	1.65 V	45	41.92	7.02
5	11160.00	40.12 AV	54.00	-13.88	1.65 V	45	33.10	7.02
6	#16740.00	47.16 PK	68.20	-21.04	1.56 V	58	42.07	5.09

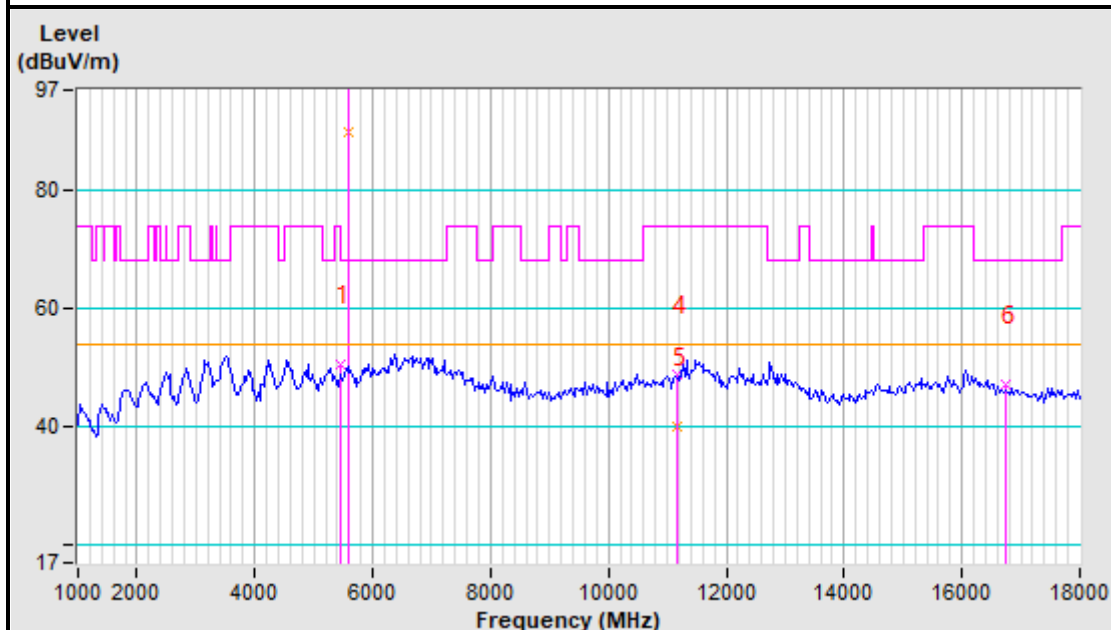
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

5580MHz Horizontal

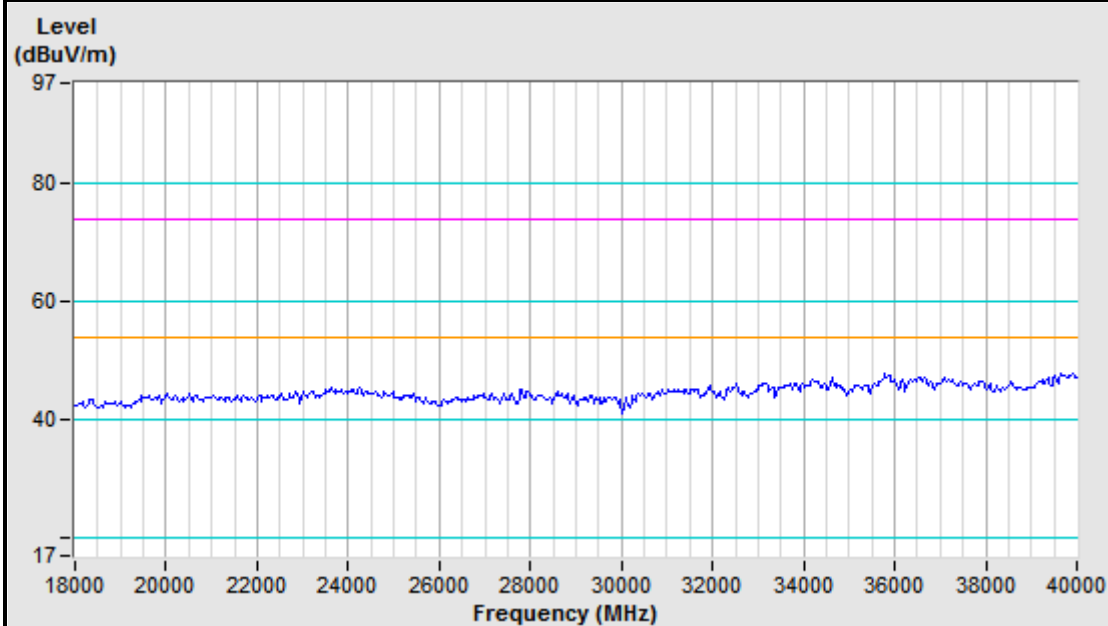


5580MHz Vertical

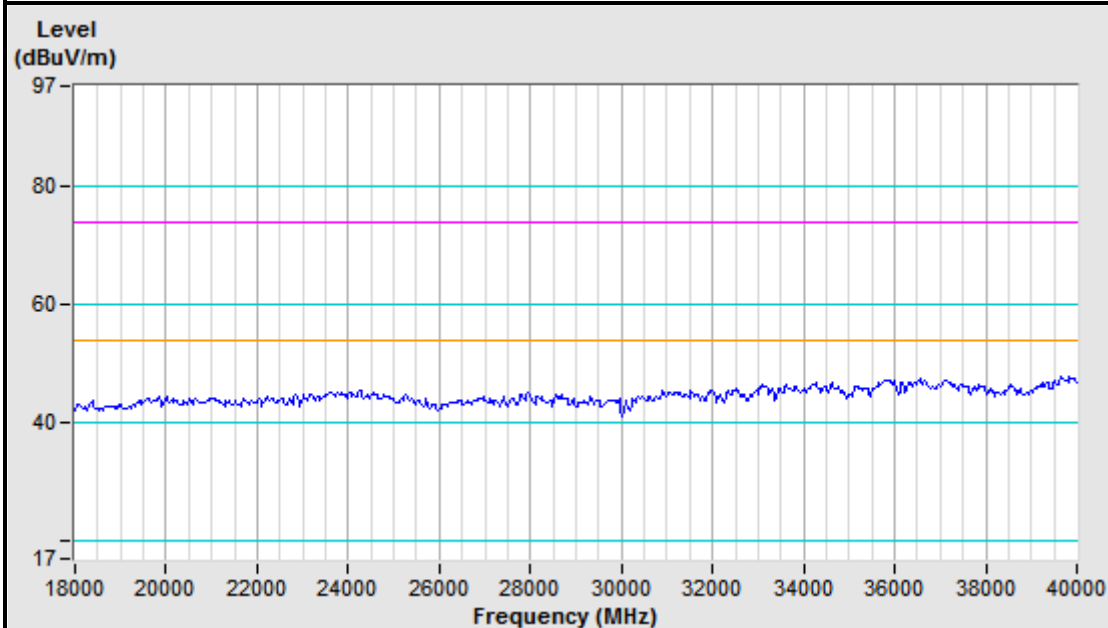


Note: When the harmonic frequency test a fundamental frequency filter is used.

5580MHz Horizontal



5580MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

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

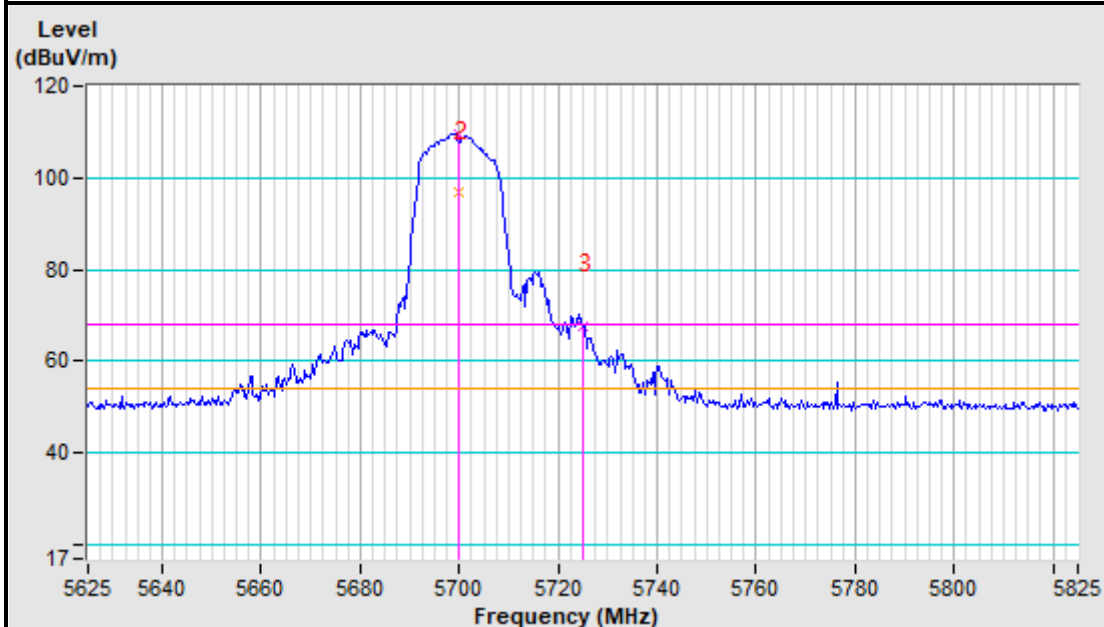
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	109.68 PK			2.35 H	156	102.99	6.69
2	*5700.00	96.86 AV			2.35 H	156	90.17	6.69
3	#5725.00	67.72 PK	68.20	-0.48	2.35 H	156	60.97	6.75
4	11400.00	51.45 PK	74.00	-22.55	1.56 H	56	43.16	8.29
5	11400.00	42.55 AV	54.00	-11.45	1.56 H	56	34.26	8.29
6	#17100.00	45.46 PK	68.20	-22.74	1.56 H	5	41.13	4.33
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	102.66 PK			1.56 V	156	95.97	6.69
2	*5700.00	88.49 AV			1.56 V	156	81.80	6.69
3	#5725.00	62.11 PK	68.20	-6.09	1.56 V	56	55.36	6.75
4	#5744.20	66.24 PK	68.20	-1.96	1.56 V	56	59.45	6.79
5	11400.00	50.91 PK	74.00	-23.09	1.56 V	46	42.62	8.29
6	11400.00	39.49 AV	54.00	-14.51	1.56 V	46	31.20	8.29
7	#17100.00	46.11 PK	68.20	-22.09	1.56 V	5	41.78	4.33

REMARKS:

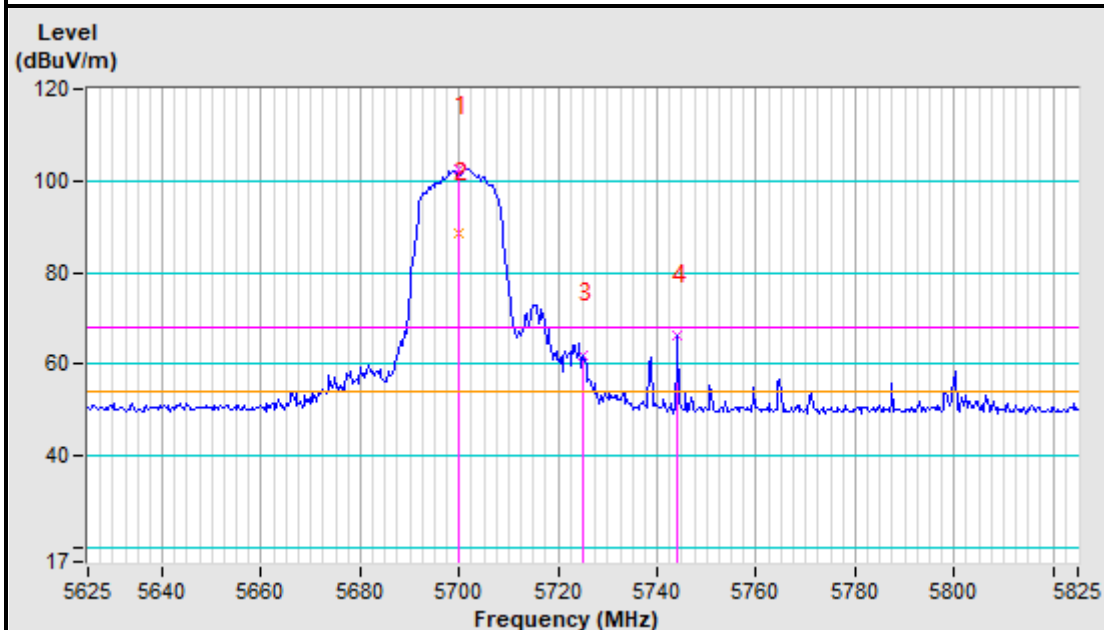
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

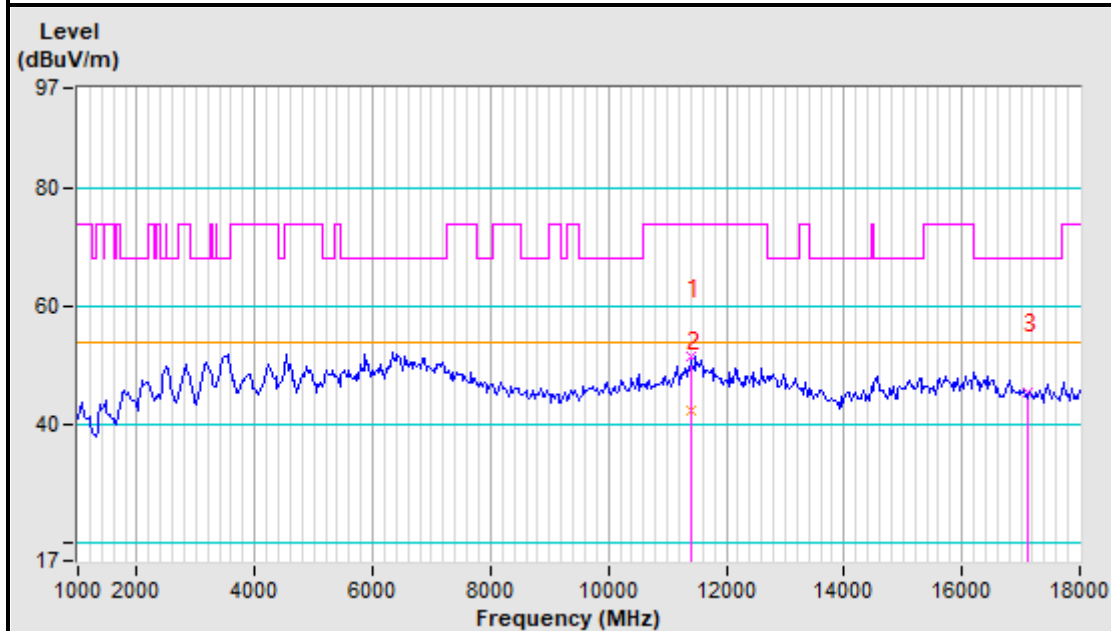
5700MHz Horizontal



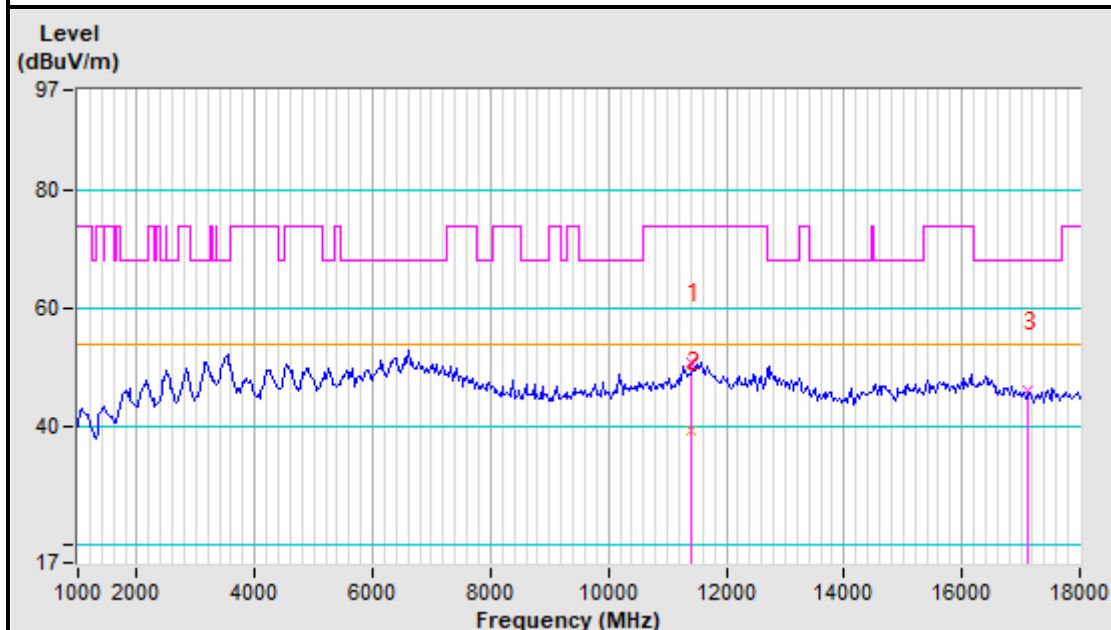
5700MHz Vertical



5700MHz Horizontal

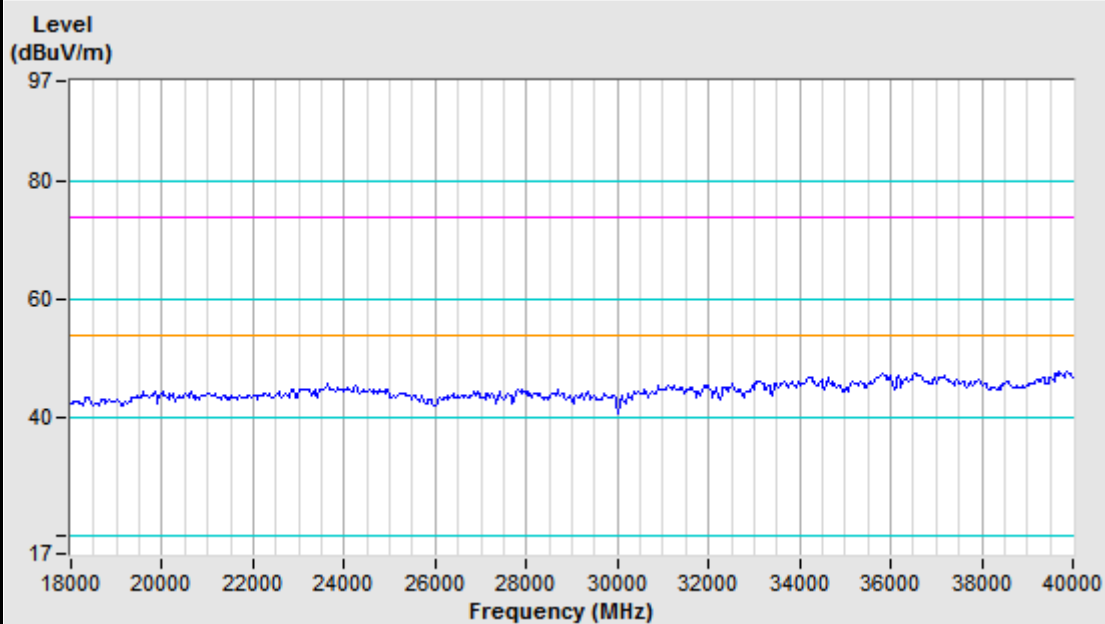


5700MHz Vertical

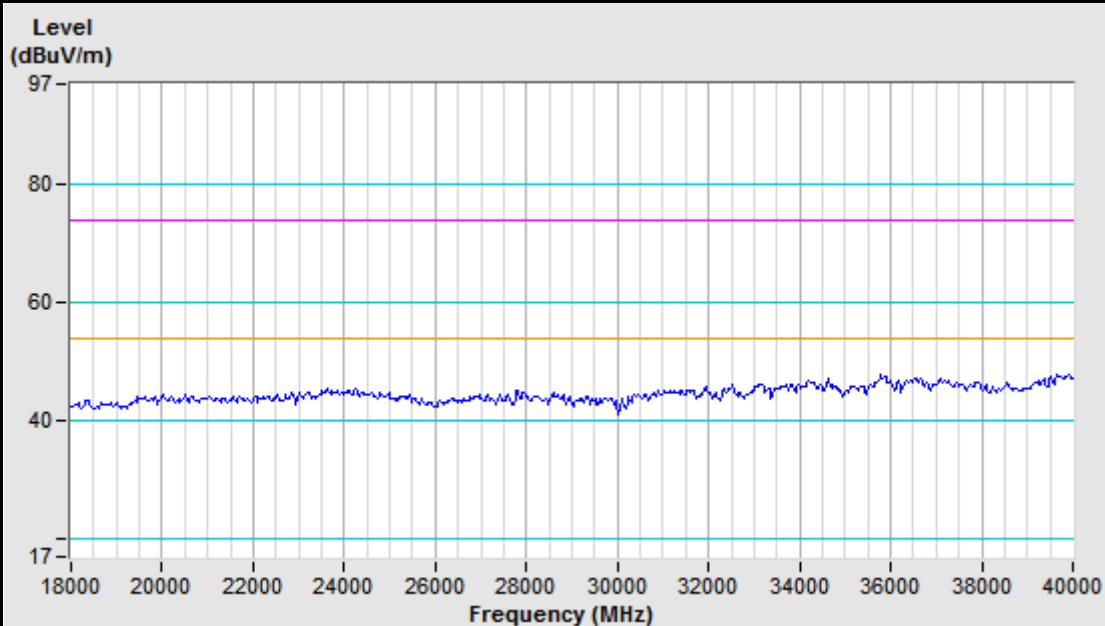


Note: When the harmonic frequency test a fundamental frequency filter is used.

5700MHz Horizontal



5700MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

802.11n (20MHz)

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

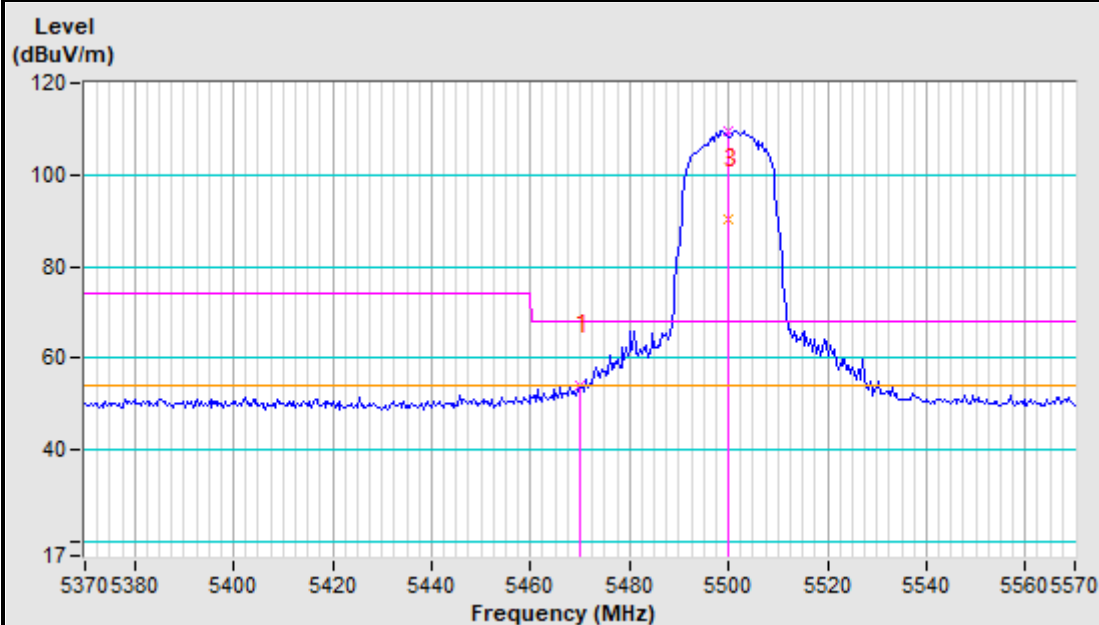
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	54.08 PK	68.20	-14.12	1.56 H	5	47.90	6.18
2	*5500.00	109.69 PK			1.56 H	56	103.47	6.22
3	*5500.00	90.17 AV			1.56 H	56	83.95	6.22
4	11000.00	48.02 PK	74.00	-25.98	1.56 H	56	41.86	6.16
5	11000.00	40.28 AV	54.00	-13.72	1.56 H	56	34.12	6.16
6	#16500.00	48.41 PK	68.20	-19.79	1.56 H	5	42.69	5.72
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	51.46 PK	68.20	-16.74	1.56 V	56	45.28	6.18
2	*5500.00	106.80 PK			1.56 V	8	100.58	6.22
3	*5500.00	87.24 AV			1.56 V	8	81.02	6.22
4	11000.00	48.32 PK	74.00	-25.68	1.56 V	56	42.16	6.16
5	11000.00	41.53 AV	54.00	-12.47	1.56 V	56	35.37	6.16
6	#16500.00	48.98 PK	68.20	-19.22	1.00 V	5	43.26	5.72

REMARKS:

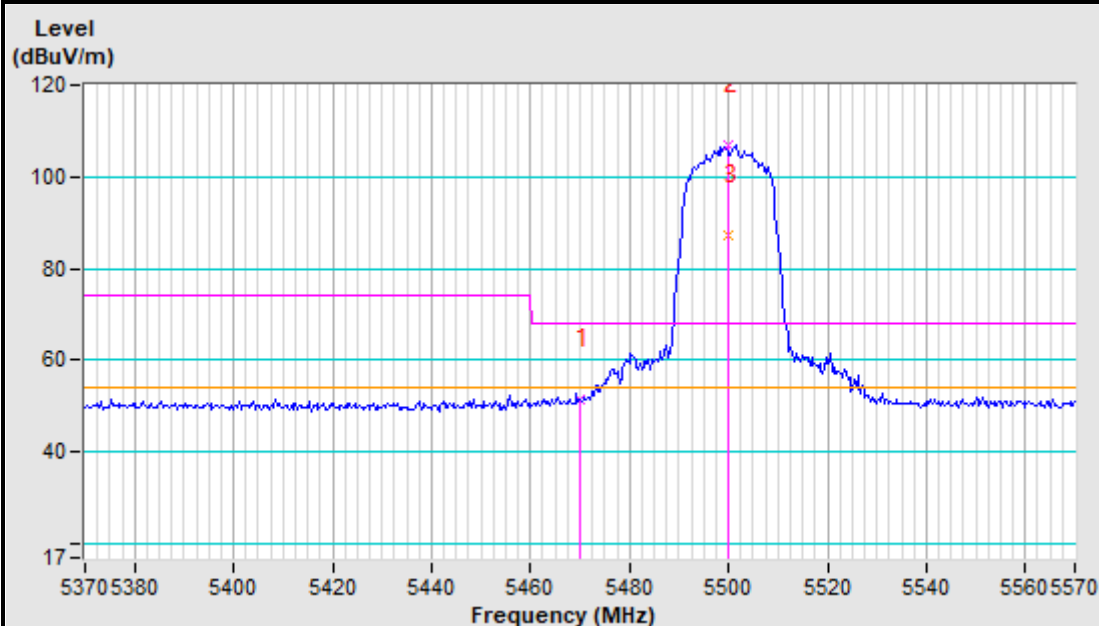
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

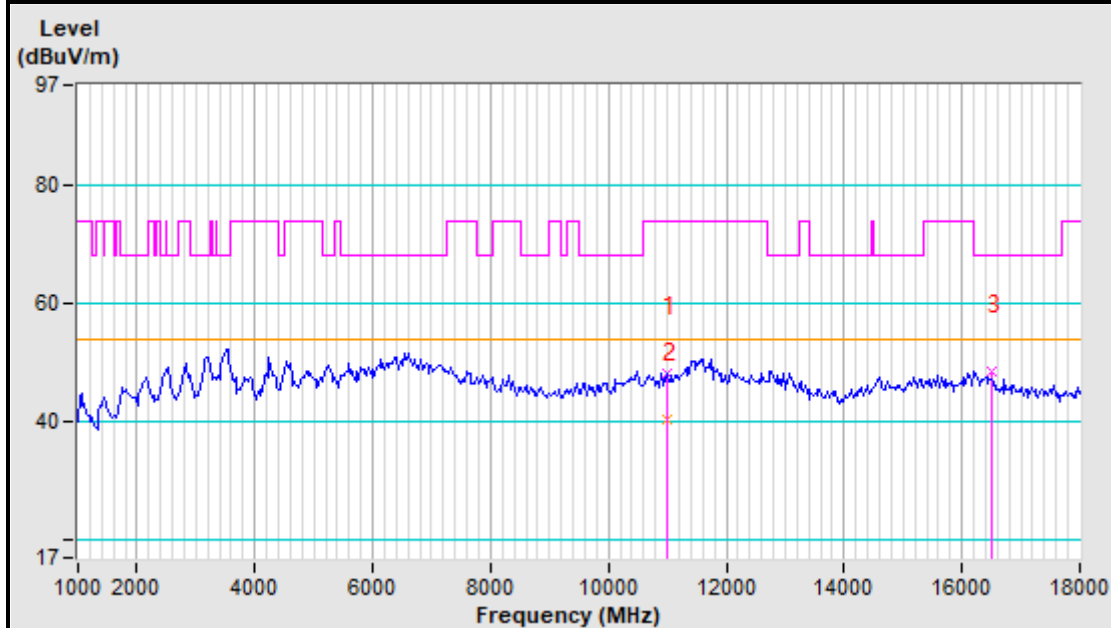
5500MHz Horizontal



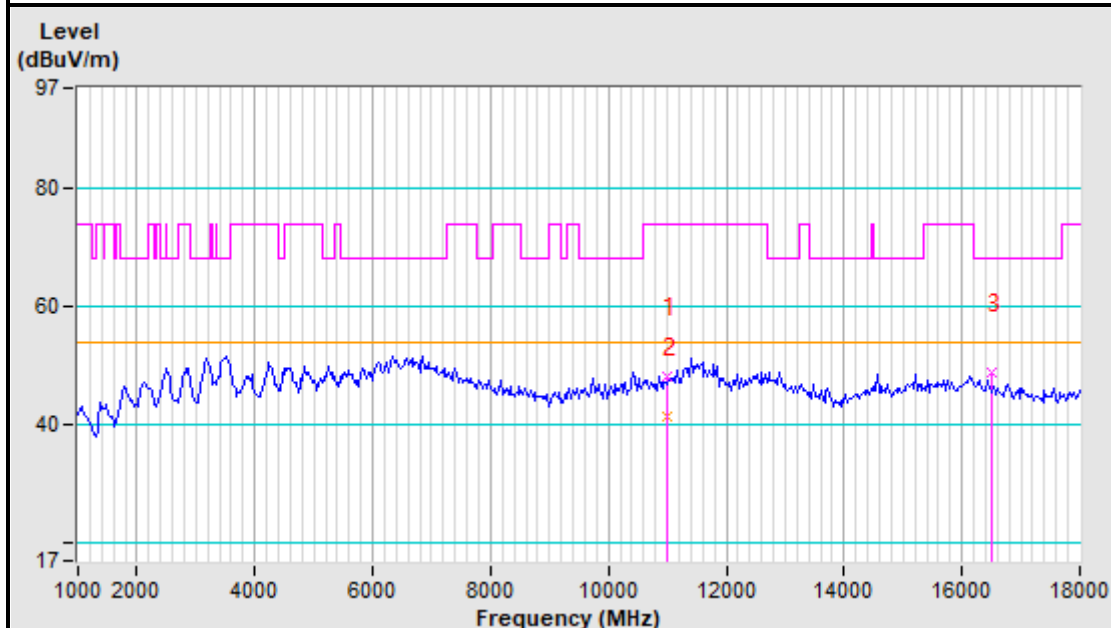
5500MHz Vertical



5500MHz Horizontal

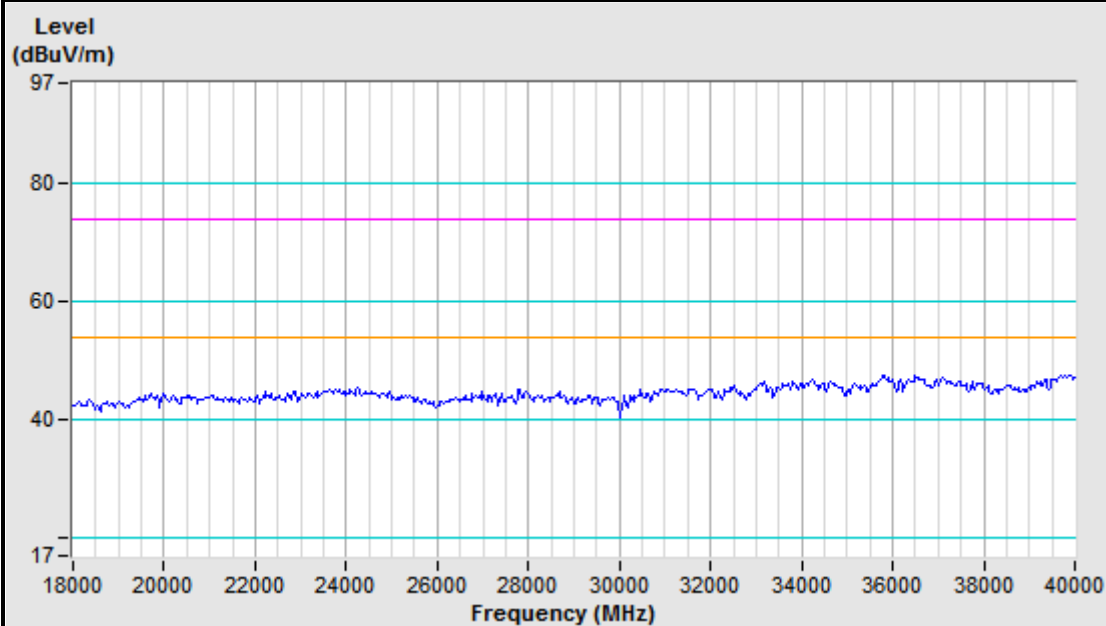


5500MHz Vertical

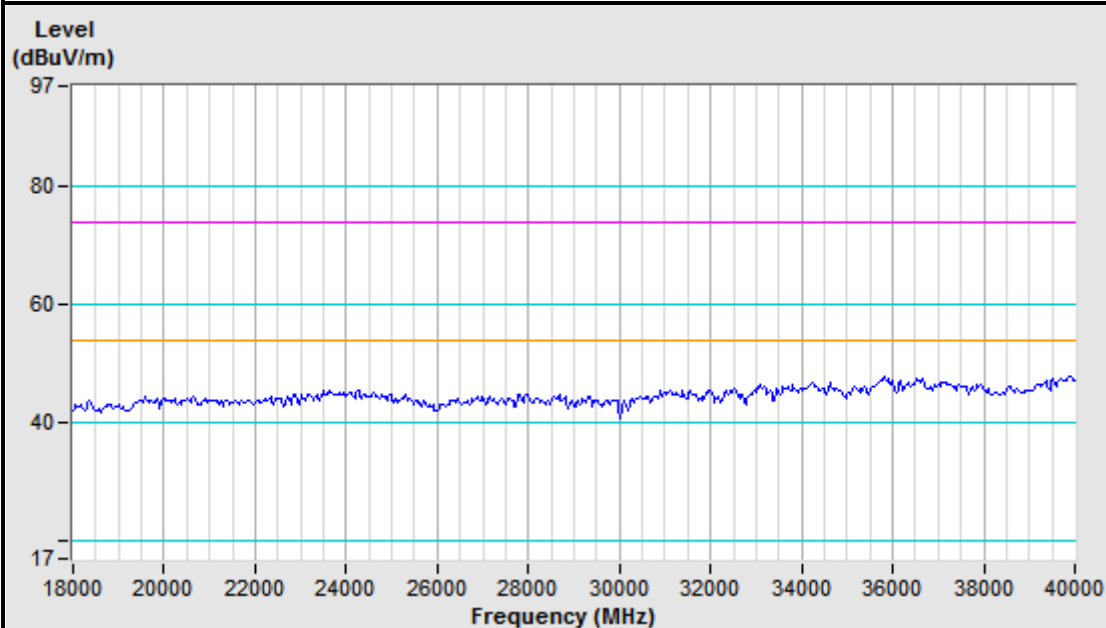


Note: When the harmonic frequency test a fundamental frequency filter is used.

5500MHz Horizontal



5500MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

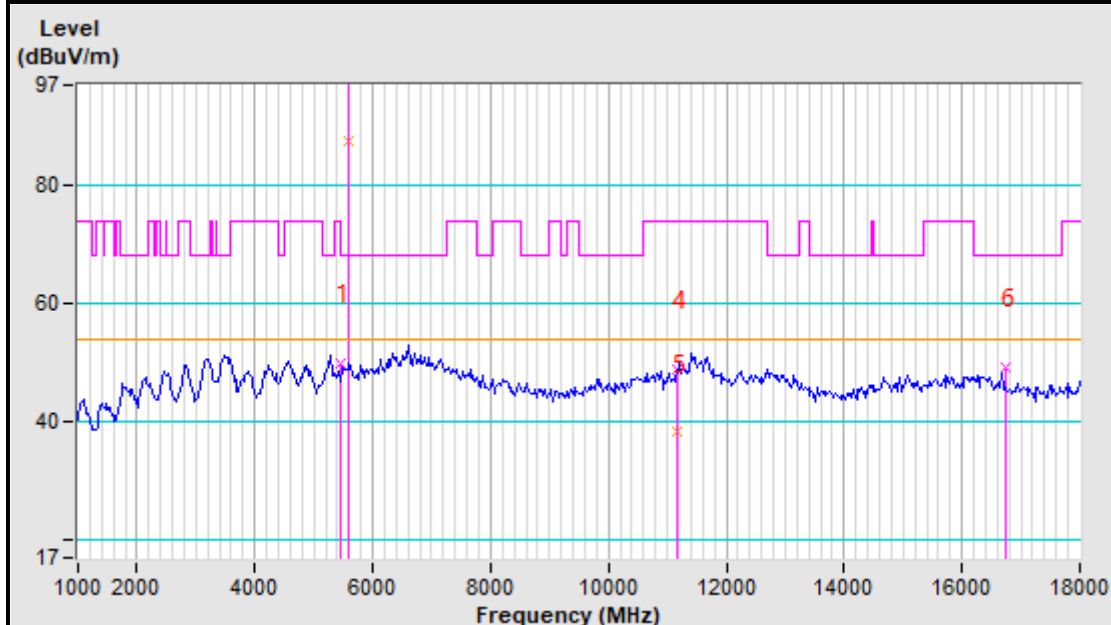
CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	49.96 PK	68.20	-18.24	1.56 H	5	43.78	6.18
2	*5580.00	107.86 PK			1.56 H	56	101.45	6.41
3	*5580.00	87.44 AV			1.56 H	56	81.03	6.41
4	11160.00	48.95 PK	74.00	-25.05	1.56 H	5	41.93	7.02
5	11160.00	38.25 AV	54.00	-15.75	1.56 H	5	31.23	7.02
6	#16740.00	49.20 PK	68.20	-19.00	1.56 H	5	44.11	5.09
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	50.16 PK	68.20	-18.04	1.56 V	5	43.98	6.18
2	*5580.00	105.11 PK			1.56 V	56	98.70	6.41
3	*5580.00	88.30 AV			1.56 V	56	81.89	6.41
4	11160.00	49.09 PK	74.00	-24.91	4.00 V	156	42.07	7.02
5	11160.00	40.20 AV	54.00	-13.80	4.00 V	156	33.18	7.02
6	#16740.00	48.27 PK	68.20	-19.93	1.56 V	5	43.18	5.09

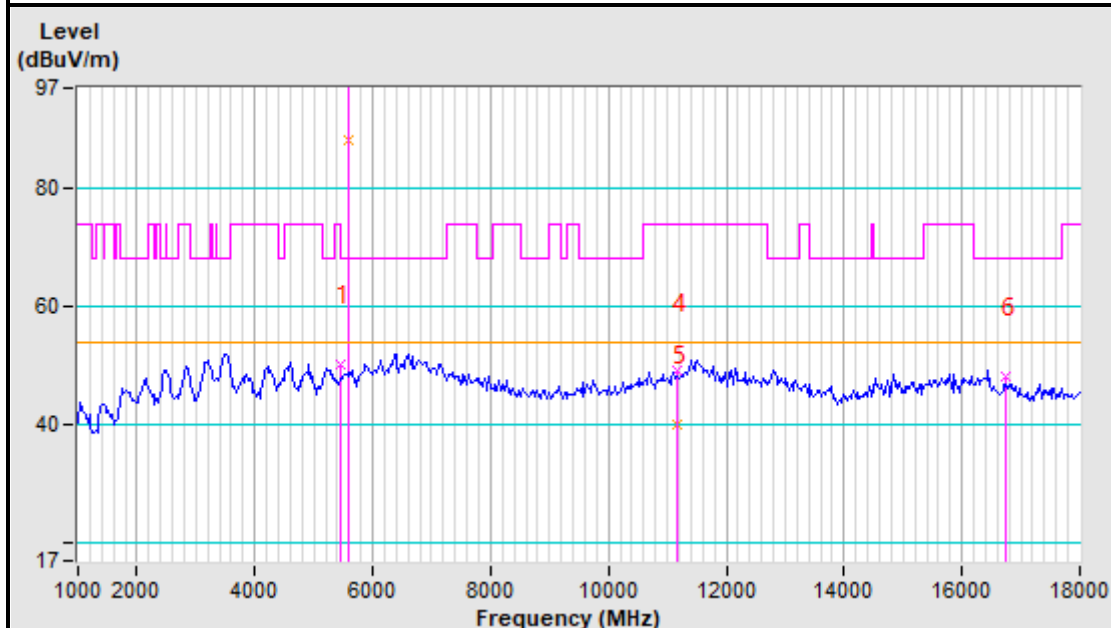
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

5580MHz Horizontal

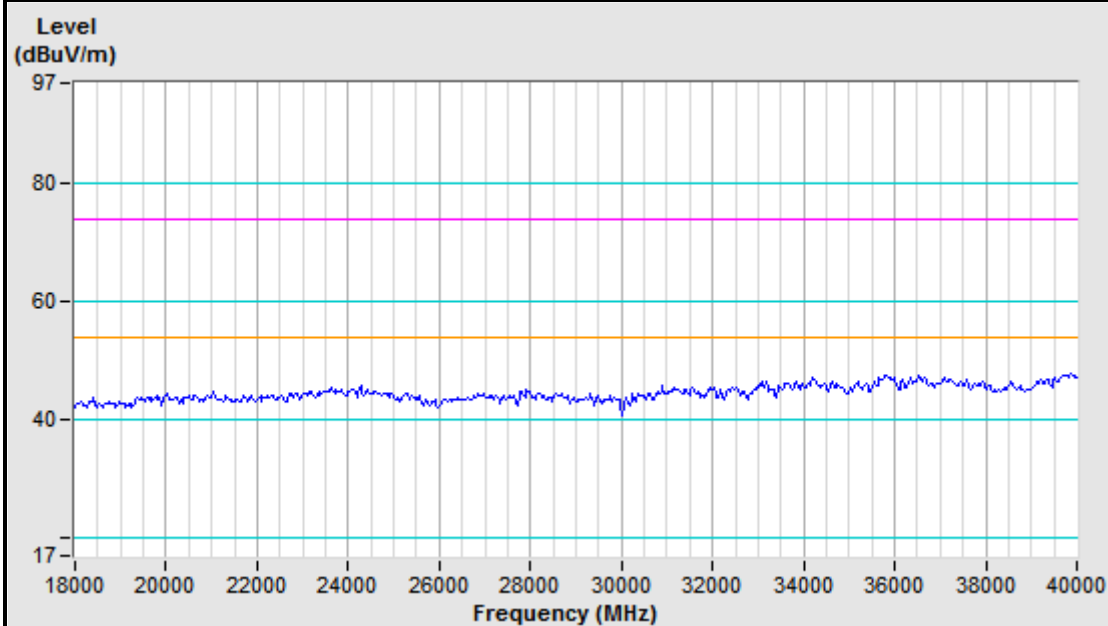


5580MHz Vertical

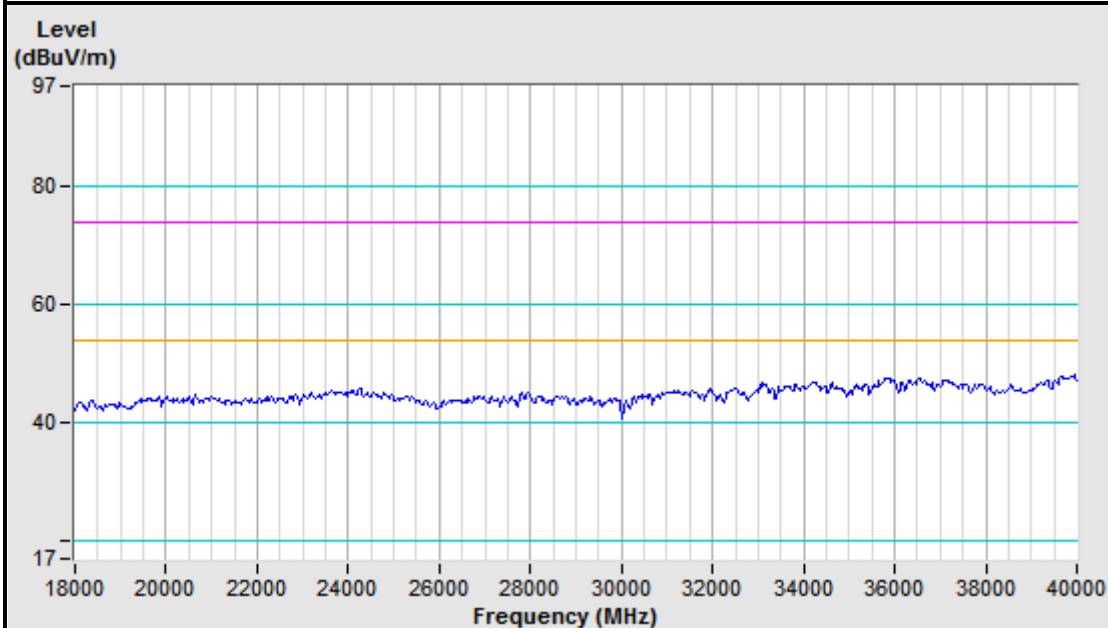


Note: When the harmonic frequency test a fundamental frequency filter is used.

5580MHz Horizontal



5580MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

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

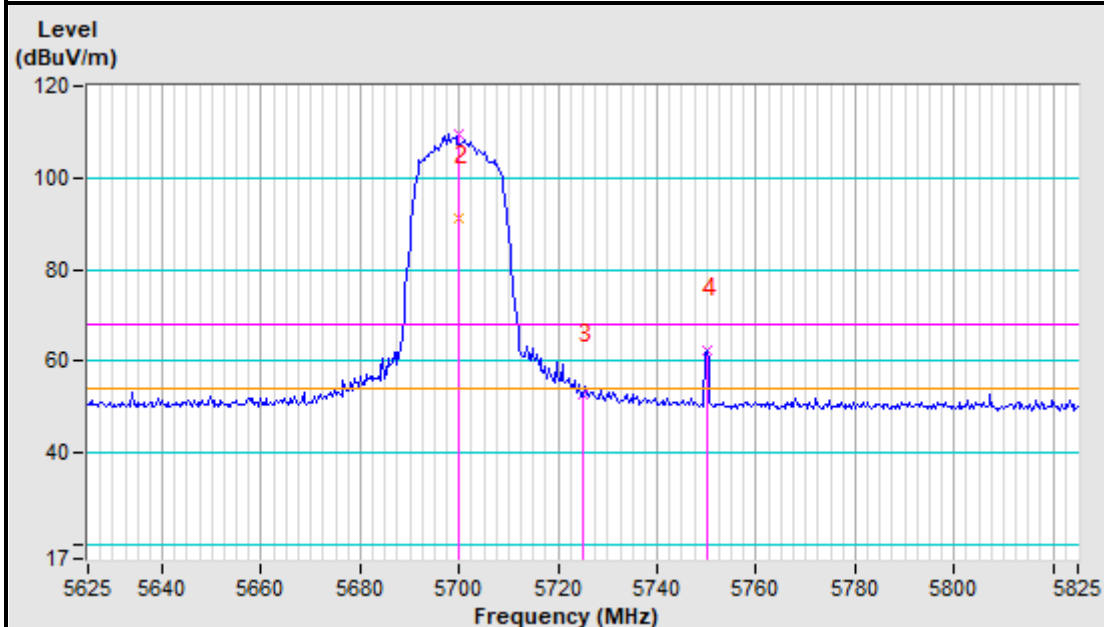
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	109.50 PK			1.56 H	5	102.81	6.69
2	*5700.00	91.31 AV			1.56 H	5	84.62	6.69
3	#5725.00	52.57 PK	68.20	-15.63	1.56 H	5	45.82	6.75
4	#5750.00	62.54 PK	68.20	-5.66	1.23 H	2	55.74	6.80
5	11400.00	51.91 PK	74.00	-22.09	1.56 H	56	43.62	8.29
6	11400.00	39.16 AV	54.00	-14.84	1.56 H	56	30.87	8.29
7	#17100.00	45.64 PK	68.20	-22.56	2.35 H	156	41.31	4.33
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	105.52 PK			1.56 V	5	98.83	6.69
2	*5700.00	91.61 AV			1.56 V	5	84.92	6.69
3	#5725.00	52.59 PK	68.20	-15.61	1.56 V	56	45.84	6.75
4	11400.00	51.08 PK	74.00	-22.92	1.56 V	56	42.79	8.29
5	11400.00	40.52 AV	54.00	-13.48	1.56 V	56	32.23	8.29
6	#17100.00	46.41 PK	68.20	-21.79	2.35 V	156	42.08	4.33

REMARKS:

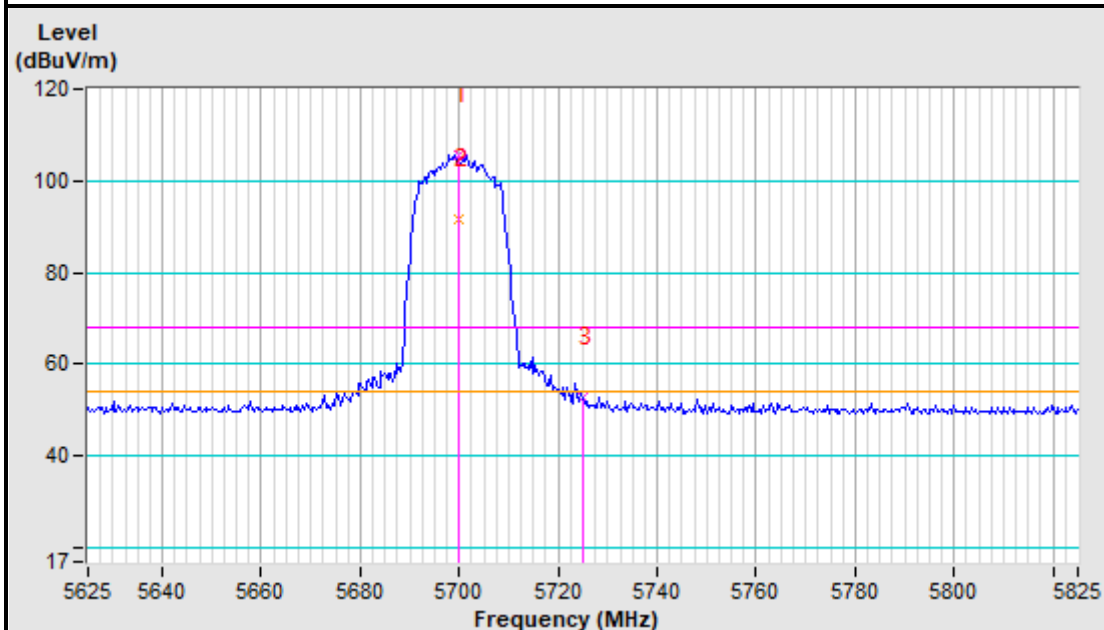
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

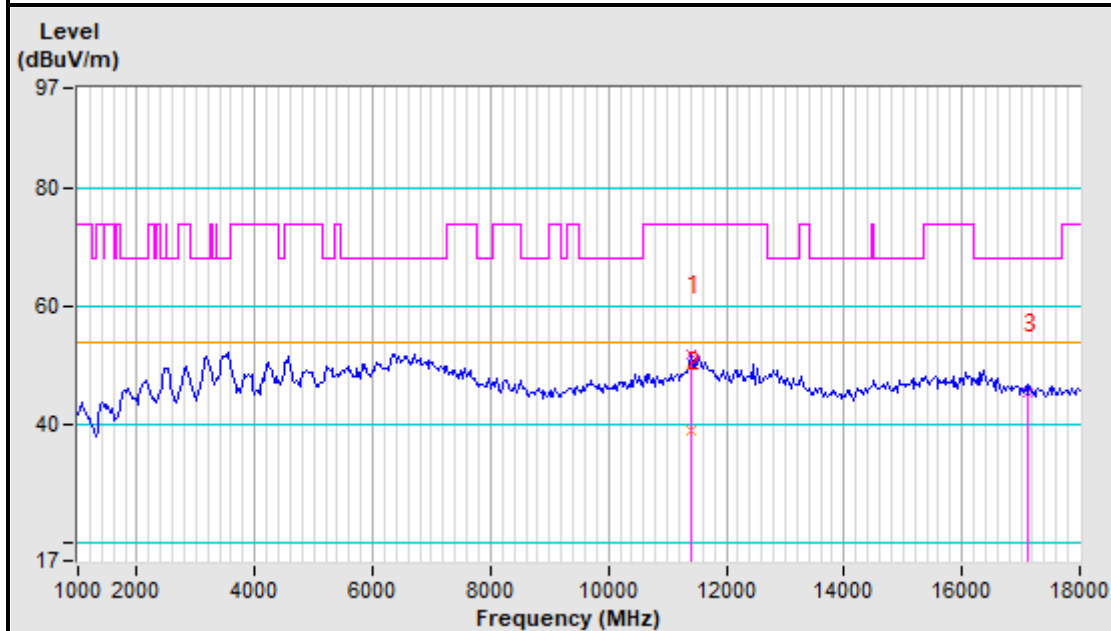
5700MHz Horizontal



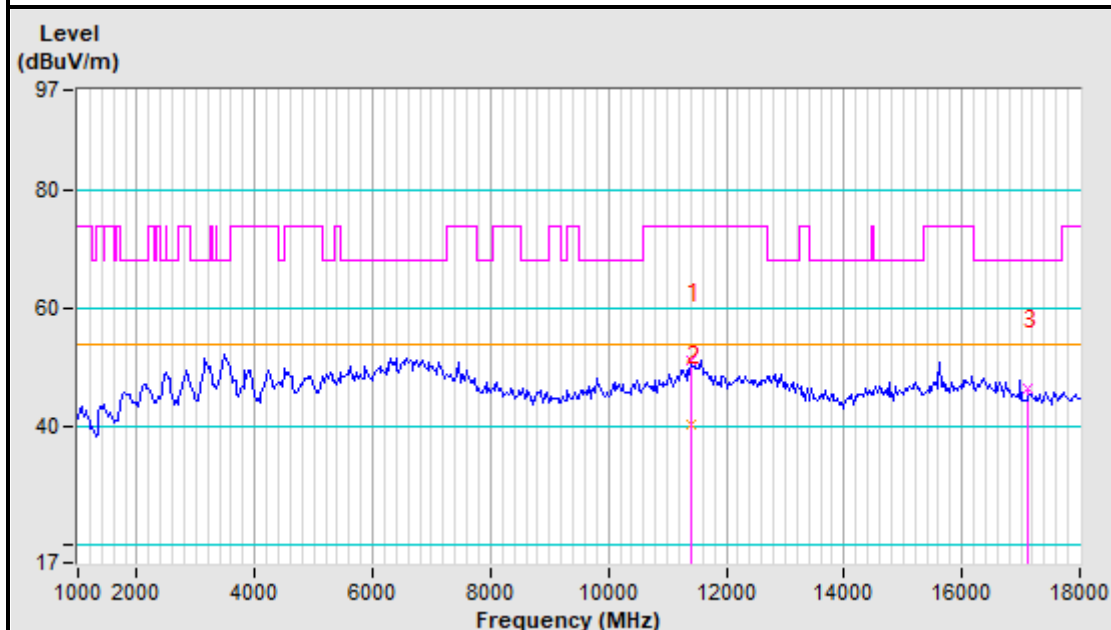
5700MHz Vertical



5700MHz Horizontal

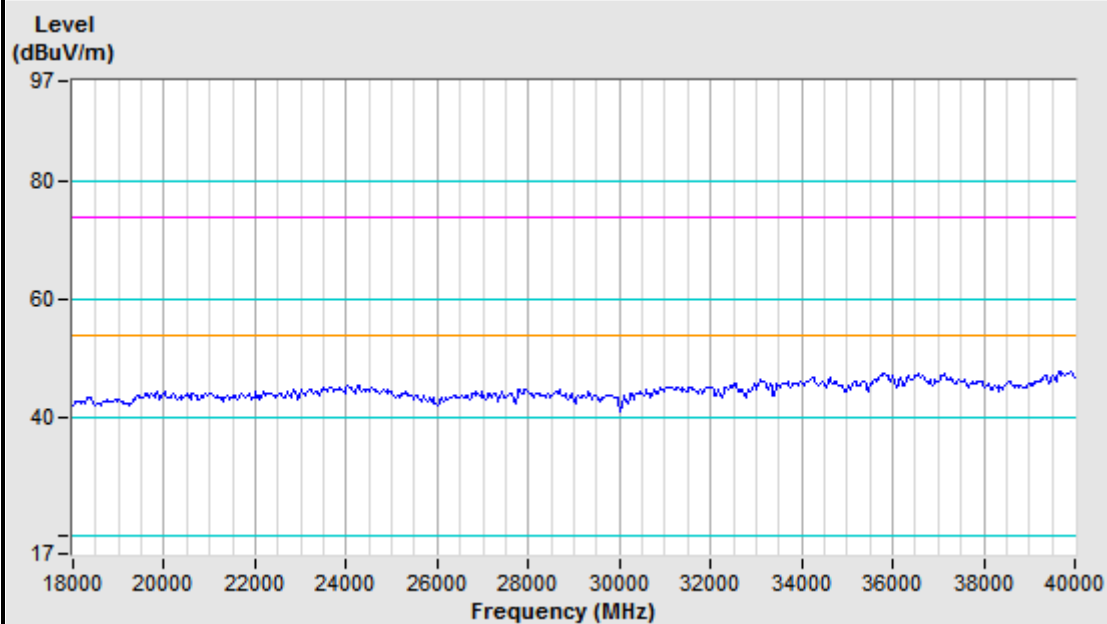


5700MHz Vertical

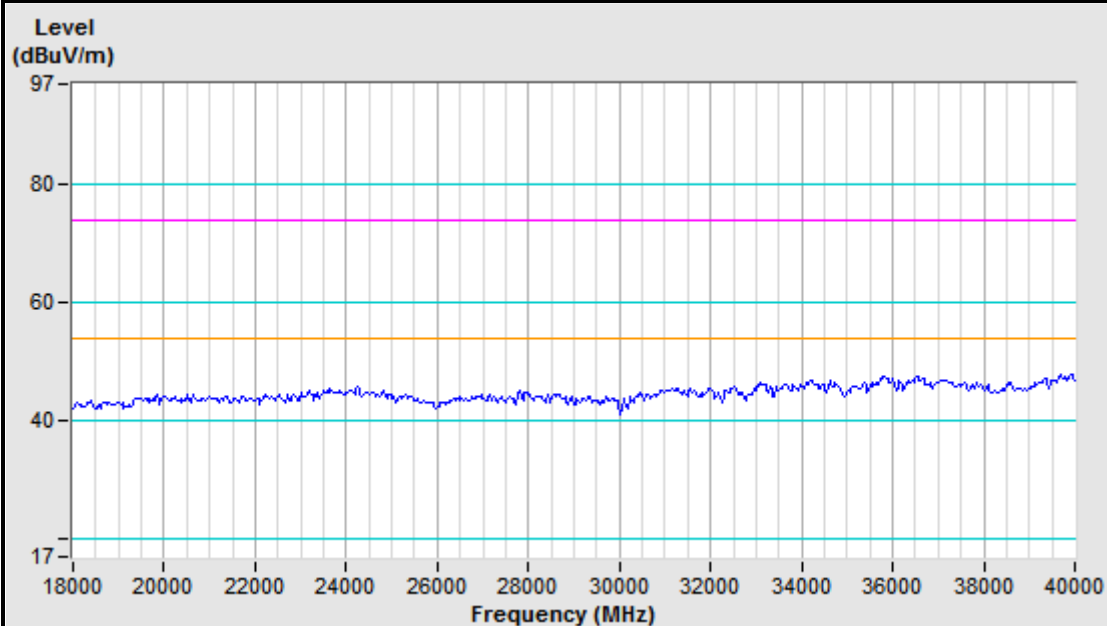


Note: When the harmonic frequency test a fundamental frequency filter is used.

5700MHz Horizontal



5700MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

802.11n (40MHz)

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

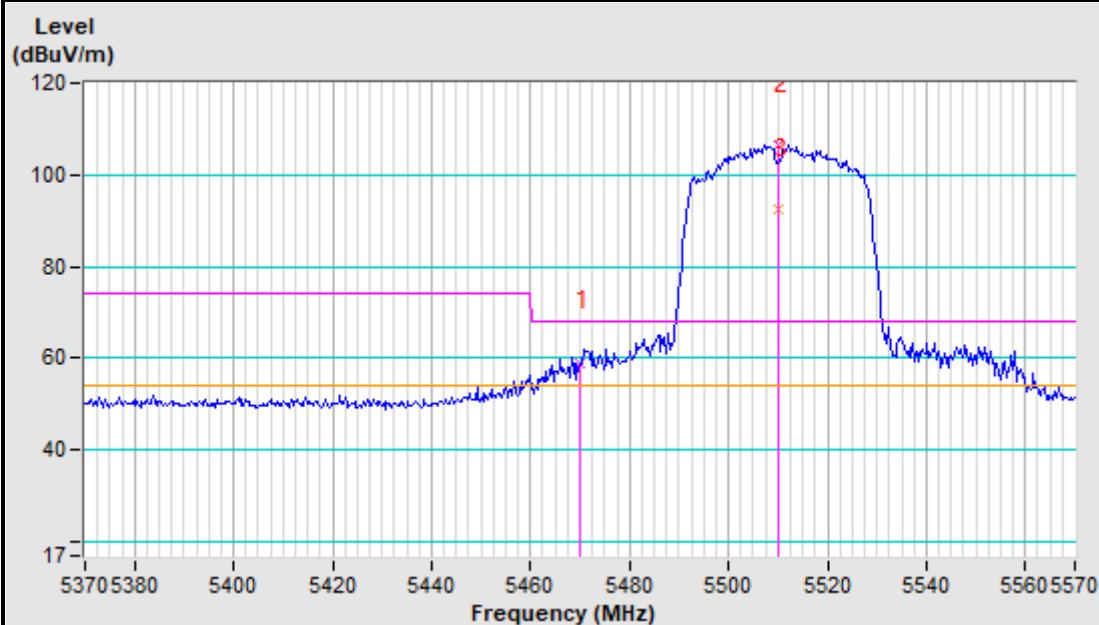
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	59.01 PK	68.20	-9.19	3.25 H	56	52.83	6.18
2	*5510.00	106.48 PK			2.35 H	156	100.24	6.24
3	*5510.00	92.44 AV			2.35 H	156	86.20	6.24
4	11020.00	48.13 PK	74.00	-25.87	1.56 H	5	41.87	6.26
5	11020.00	41.58 AV	54.00	-12.42	1.56 H	5	35.32	6.26
6	#16530.00	49.23 PK	68.20	-18.97	3.25 H	15	43.59	5.64
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	54.78 PK	68.20	-13.42	1.56 V	5	48.60	6.18
2	*5510.00	103.91 PK			1.56 V	56	97.67	6.24
3	*5510.00	83.01 AV			1.56 V	56	76.77	6.24
4	11020.00	48.22 PK	74.00	-25.78	1.56 V	5	41.96	6.26
5	11020.00	40.23 AV	54.00	-13.77	1.56 V	5	33.97	6.26
6	#16530.00	49.20 PK	68.20	-19.00	1.56 V	5	43.56	5.64

REMARKS:

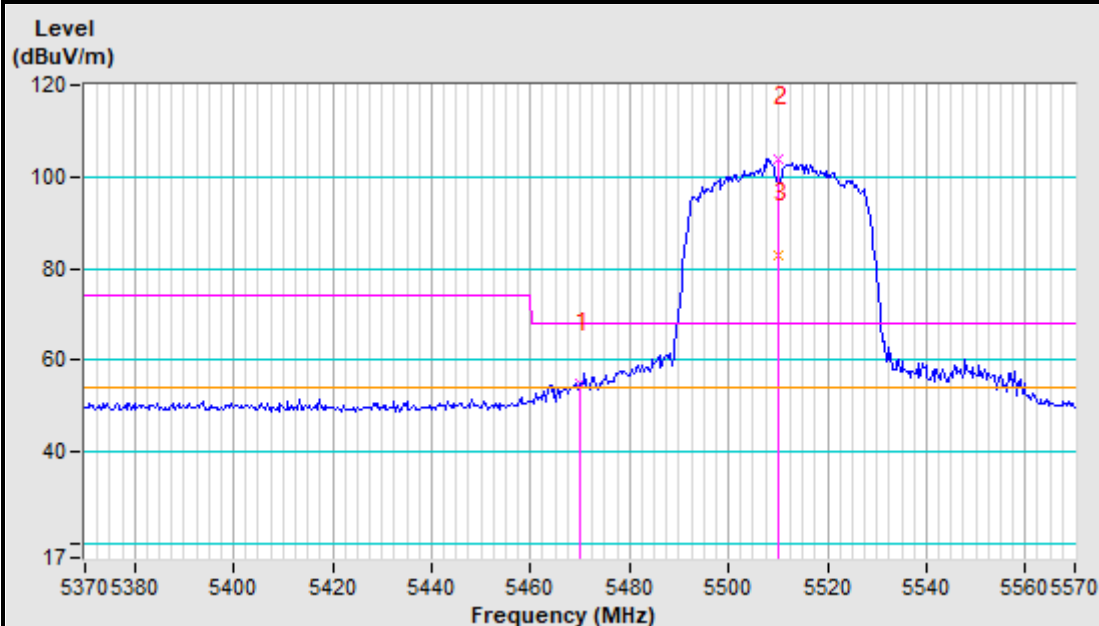
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

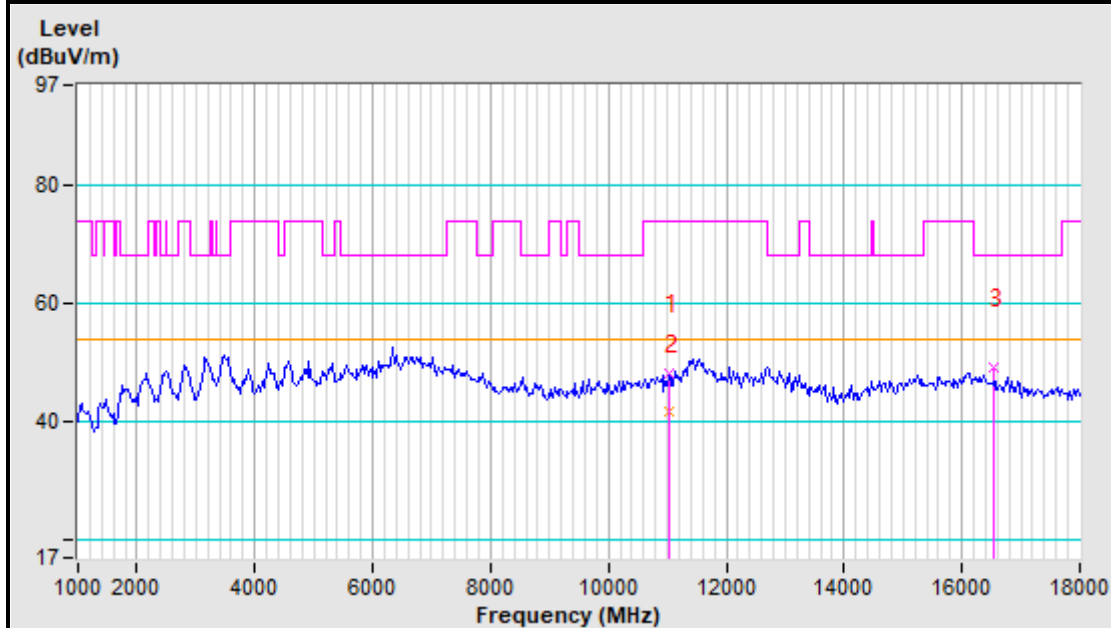
5510MHz Horizontal



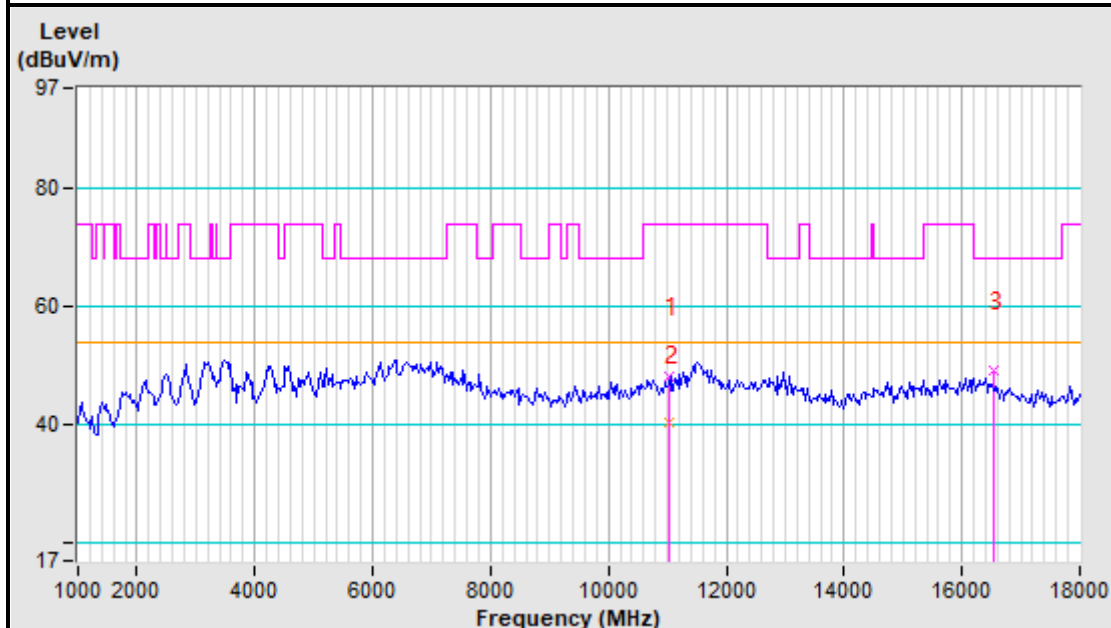
5510MHz Vertical



5510MHz Horizontal

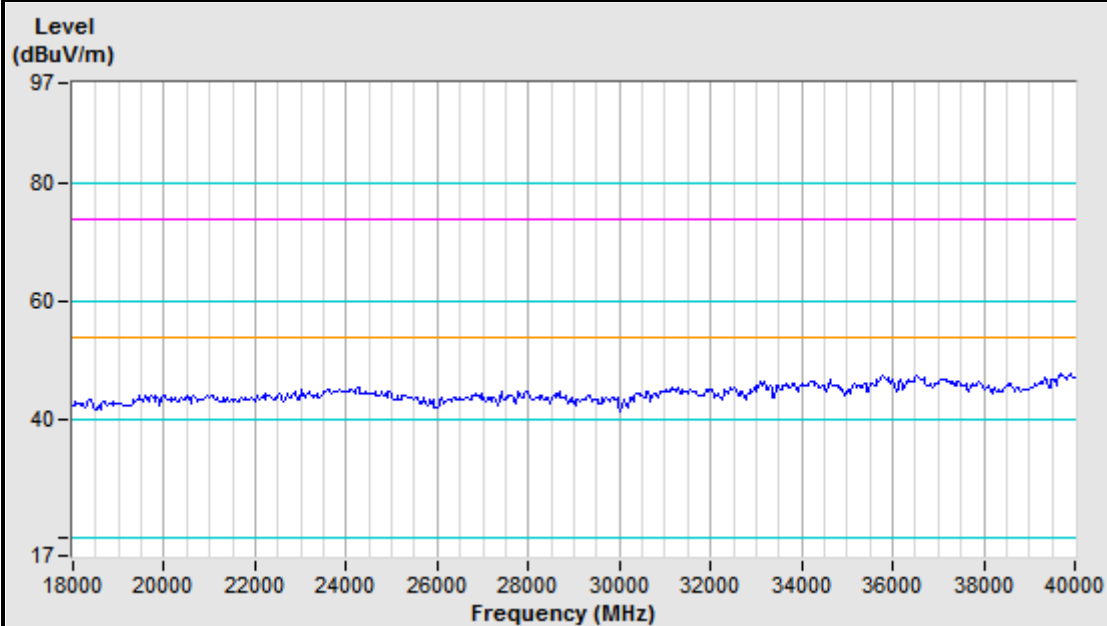


5510MHz Vertical

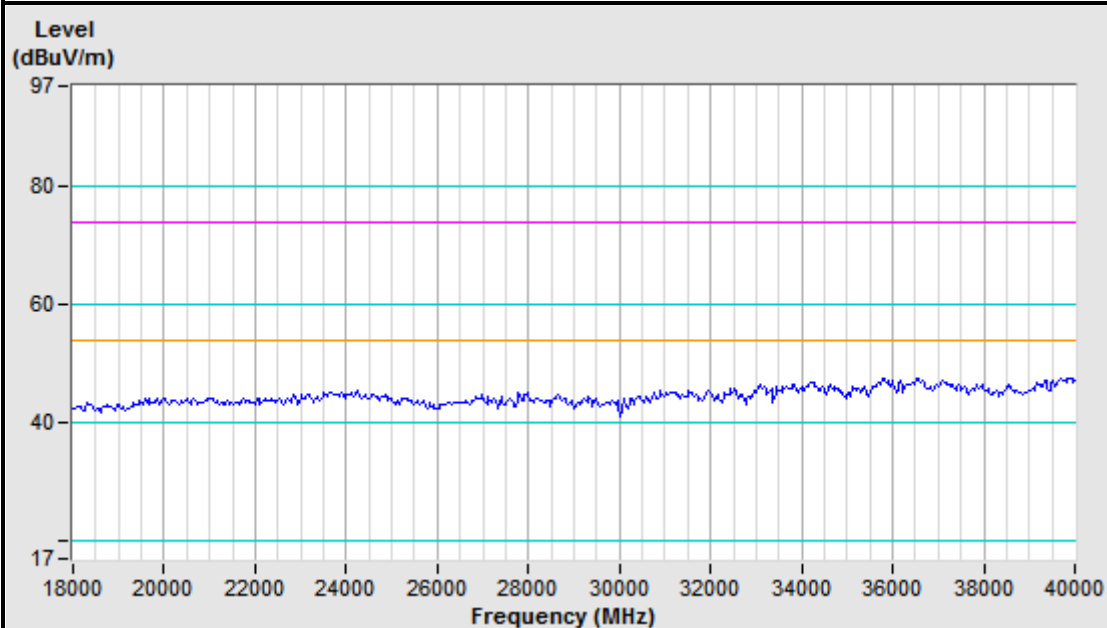


Note: When the harmonic frequency test a fundamental frequency filter is used.

5510MHz Horizontal



5510MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

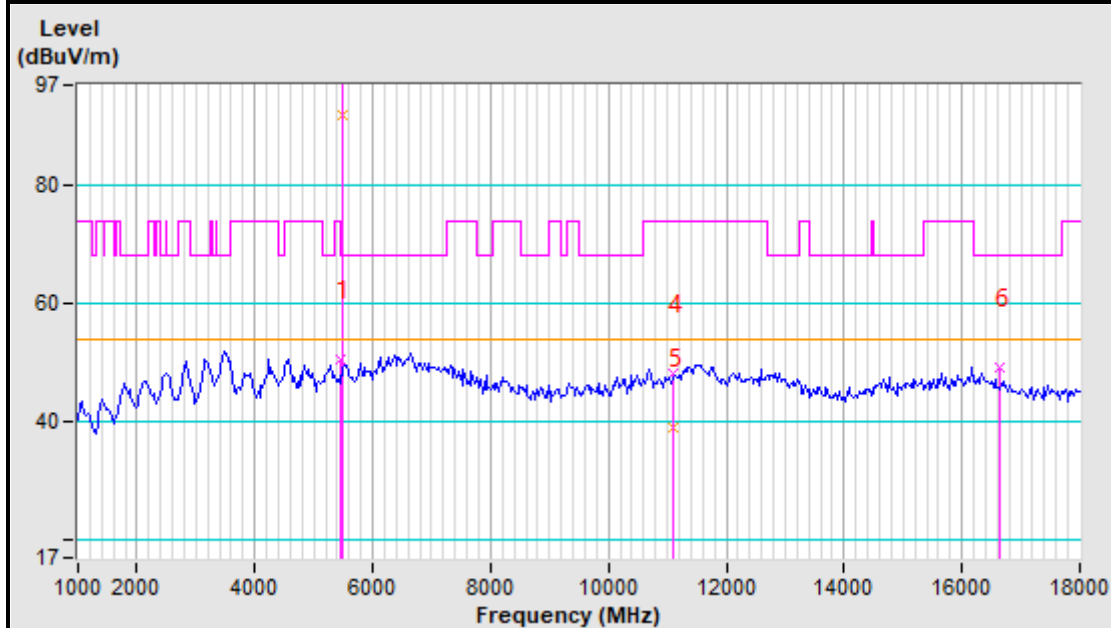
CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	50.57 PK	68.20	-17.63	1.56 H	5	44.39	6.18
2	*5500.00	106.67 PK			1.56 H	56	100.45	6.22
3	*5500.00	91.80 AV			1.56 H	56	85.58	6.22
4	11100.00	48.23 PK	74.00	-25.77	2.35 H	56	41.53	6.70
5	11100.00	39.15 AV	54.00	-14.85	2.35 H	56	32.45	6.70
6	#16650.00	49.32 PK	68.20	-18.88	1.56 H	56	44.00	5.32
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	50.47 PK	68.20	-17.73	1.56 V	56	44.29	6.18
2	*5500.00	102.91 PK			1.56 V	56	96.69	6.22
3	*5500.00	85.27 AV			1.56 V	56	79.05	6.22
4	11100.00	48.23 PK	74.00	-25.77	1.56 V	45	41.53	6.70
5	11100.00	39.45 AV	54.00	-14.55	1.56 V	45	32.75	6.70
6	#16650.00	49.20 PK	68.20	-19.00	4.00 V	5	43.88	5.32

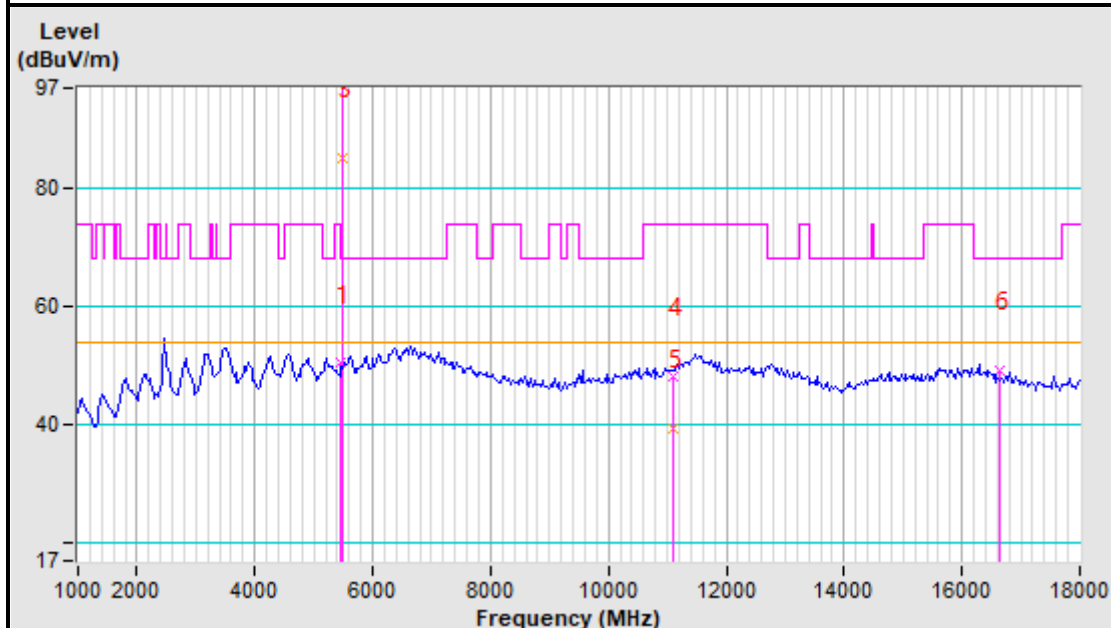
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

5550MHz Horizontal

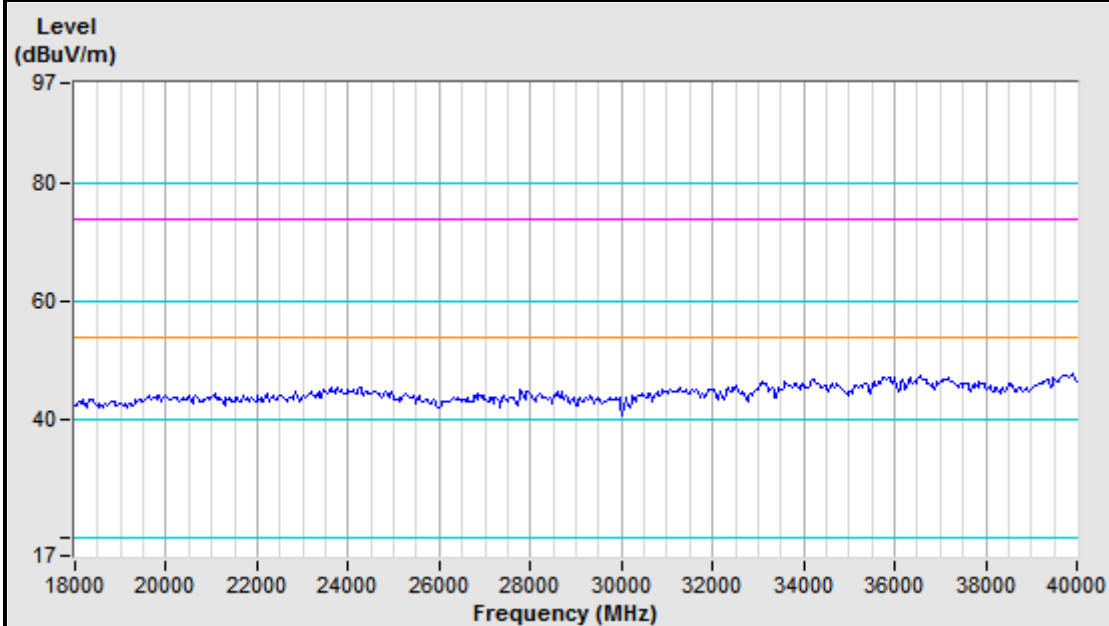


5550MHz Vertical

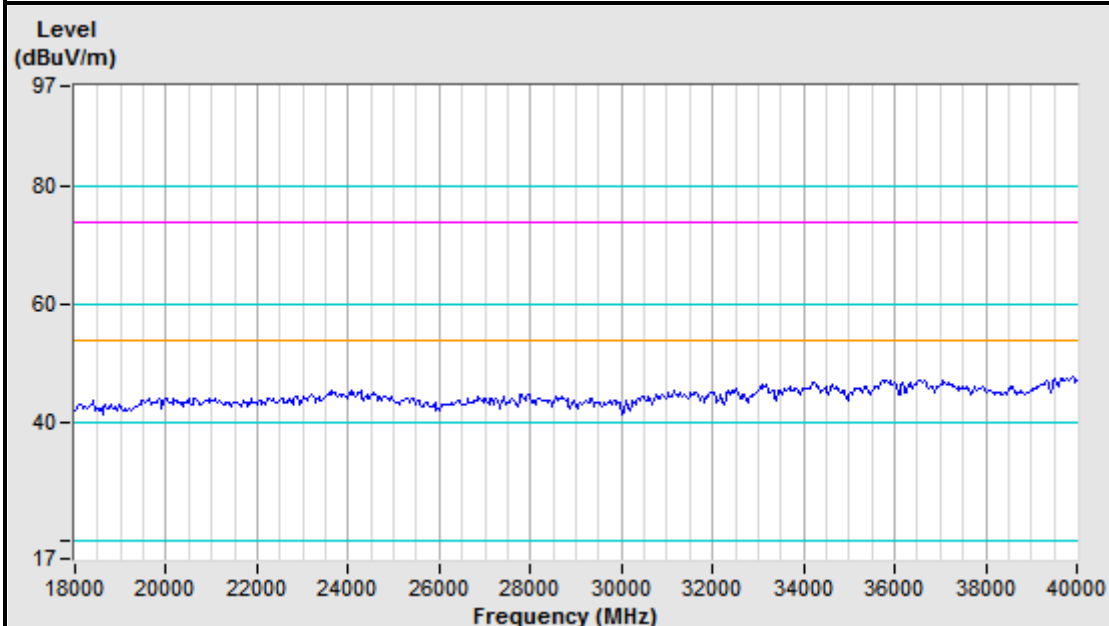


Note: When the harmonic frequency test a fundamental frequency filter is used.

5550MHz Horizontal



5550MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

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

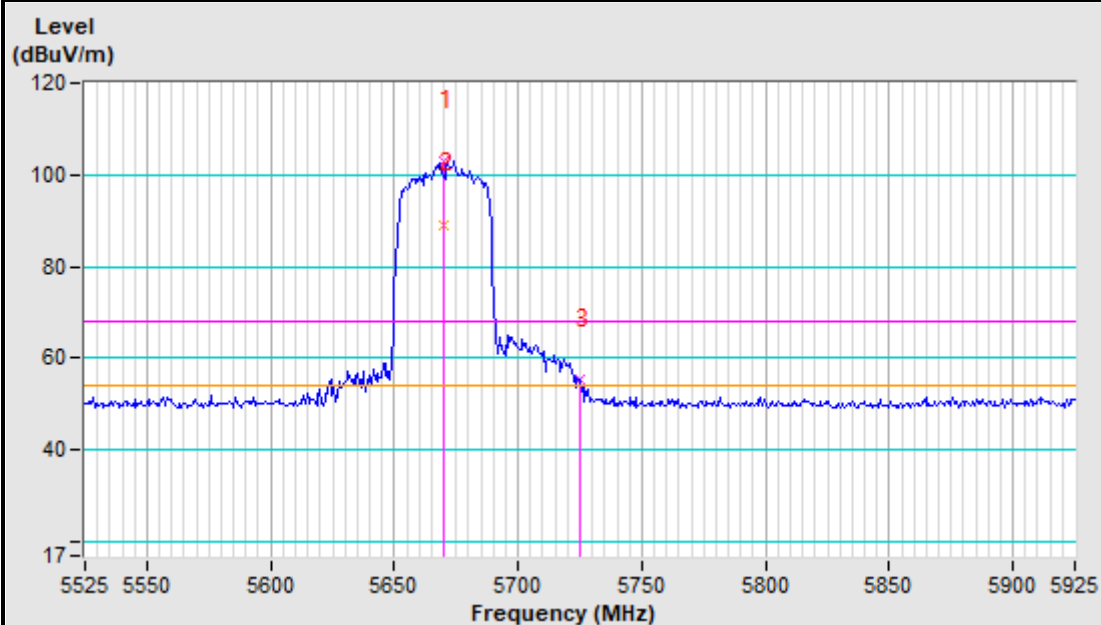
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	102.84 PK			1.56 H	56	96.23	6.61
2	*5670.00	89.18 AV			1.56 H	56	82.57	6.61
3	#5725.00	55.35 PK	68.20	-12.85	1.00 H	56	48.60	6.75
4	11340.00	48.16 PK	74.00	-25.84	1.56 H	56	40.19	7.97
5	11340.00	40.20 AV	54.00	-13.80	1.56 H	56	32.23	7.97
6	#17010.00	49.32 PK	68.20	-18.88	4.00 H	360	44.93	4.39
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	105.58 PK			2.35 V	56	98.97	6.61
2	*5670.00	89.00 AV			2.35 V	56	82.39	6.61
3	#5725.00	56.52 PK	68.20	-11.68	1.56 V	56	49.77	6.75
4	11340.00	49.97 PK	74.00	-24.03	1.65 V	56	42.00	7.97
5	11340.00	40.26 AV	54.00	-13.74	1.65 V	56	32.29	7.97
6	#17010.00	47.00 PK	68.20	-21.20	2.35 V	56	42.61	4.39

REMARKS:

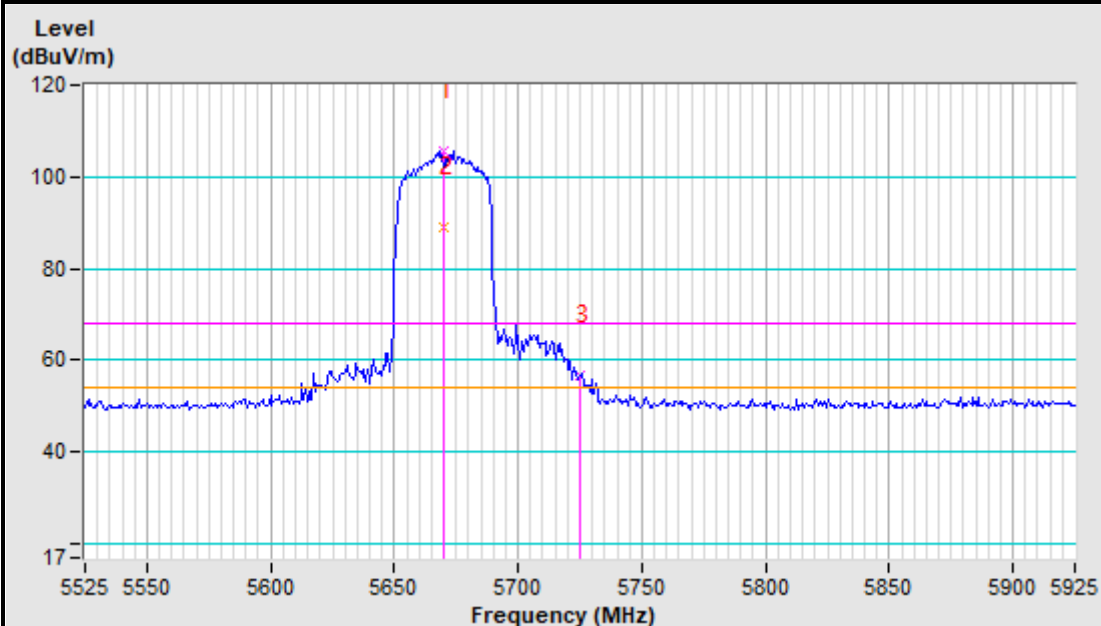
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

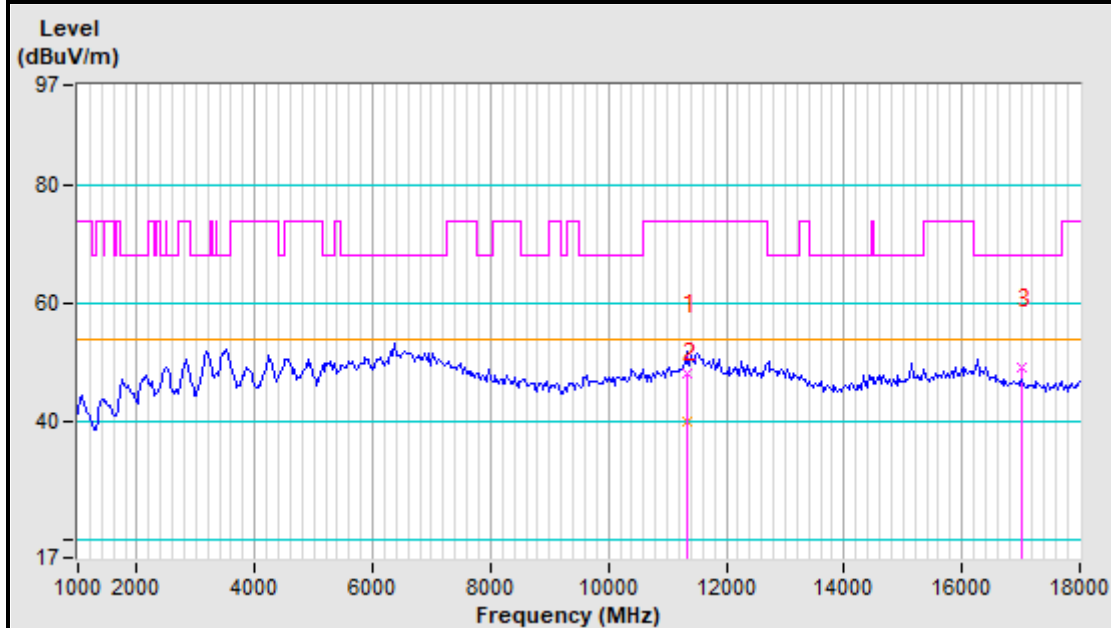
5670MHz Horizontal



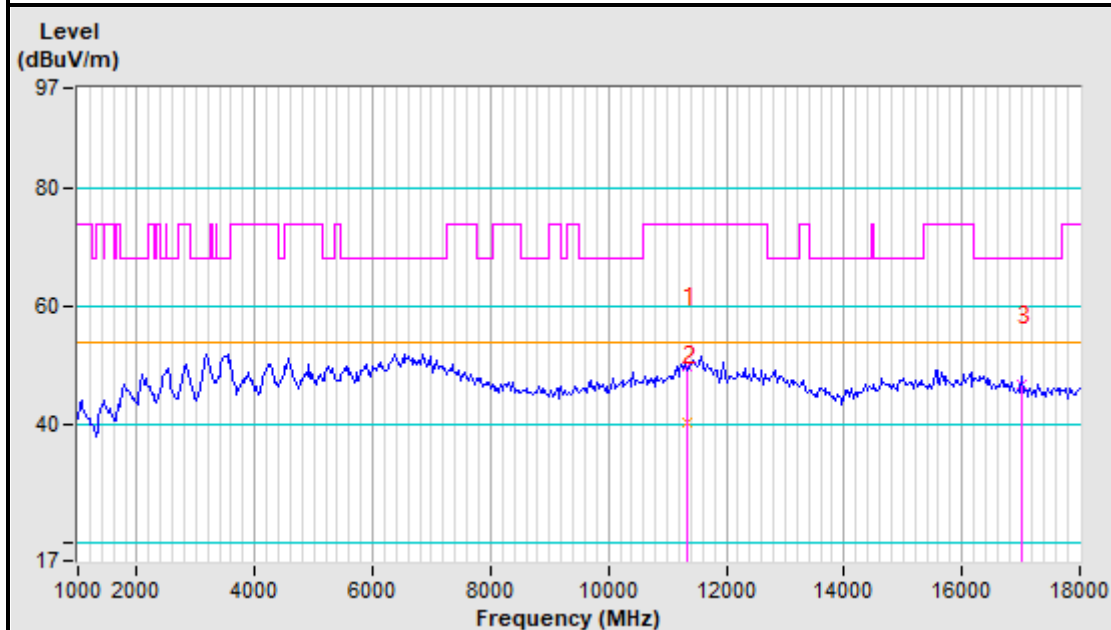
5670MHz Vertical



5670MHz Horizontal

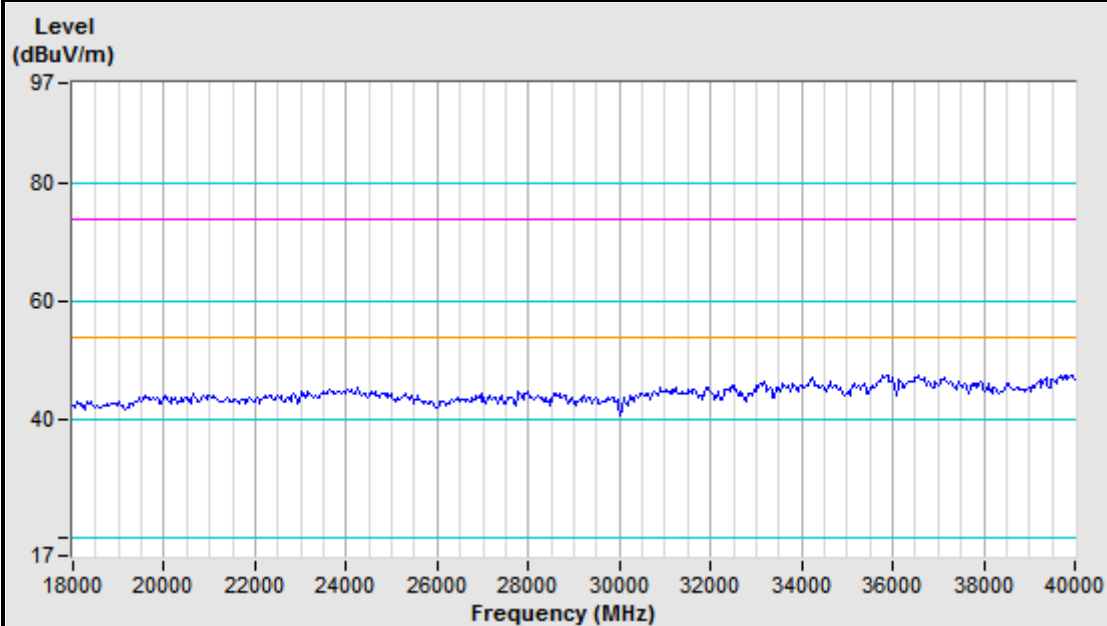


5670MHz Vertical

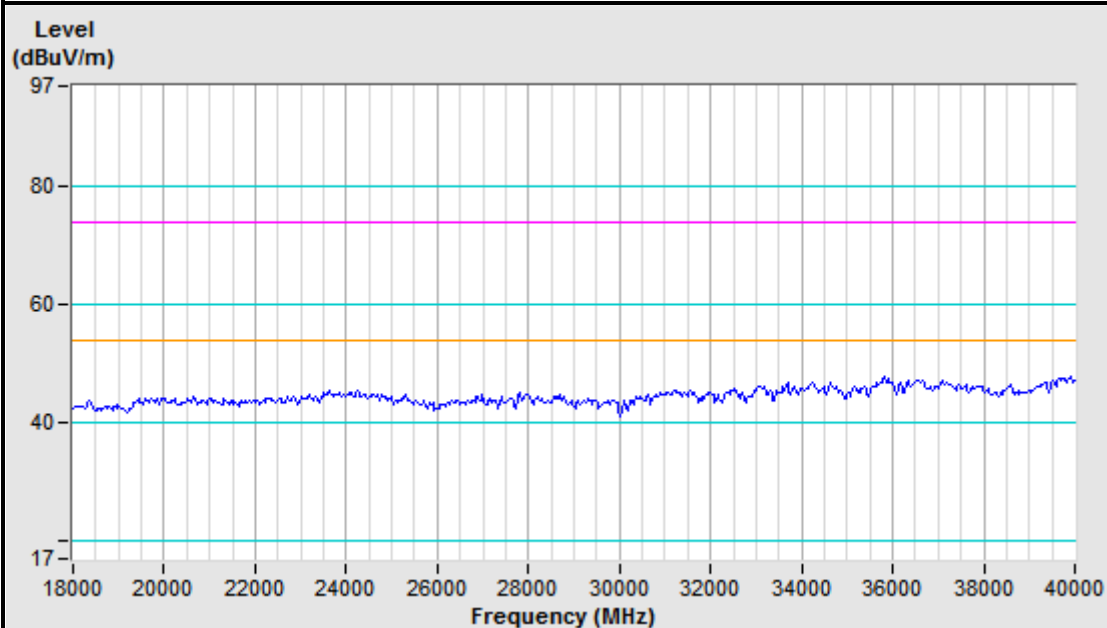


Note: When the harmonic frequency test a fundamental frequency filter is used.

5670MHz Horizontal



5670MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

802.11ac 80MHz

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

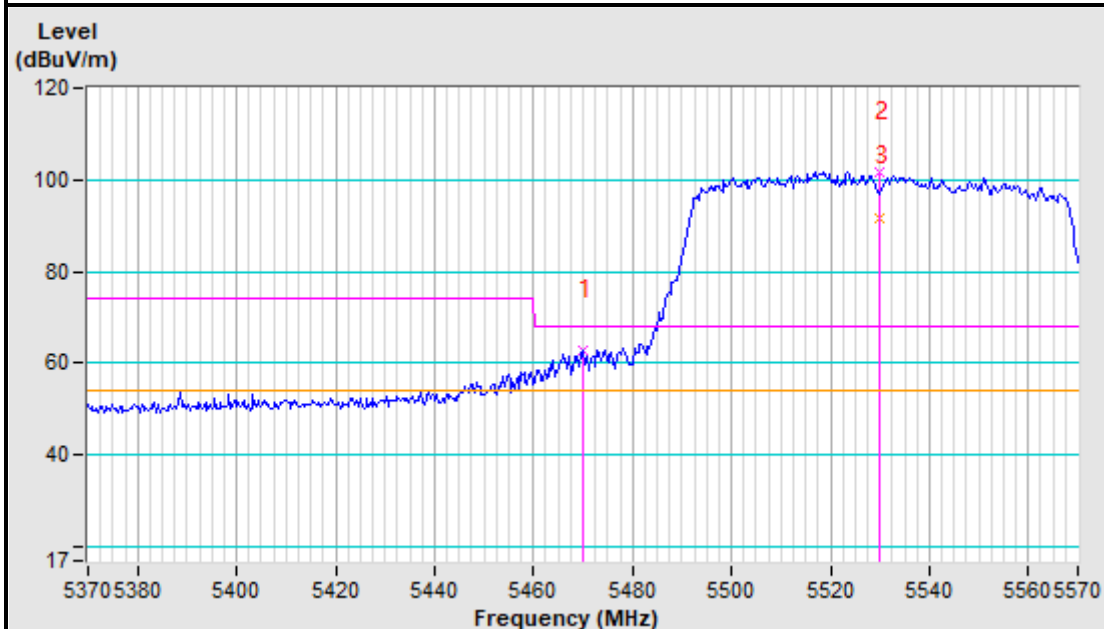
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	62.84 PK	68.20	-5.36	1.56 H	5	56.66	6.18
2	*5530.00	101.66 PK			1.56 H	56	95.37	6.29
3	*5530.00	91.82 AV			1.56 H	56	85.53	6.29
4	11060.00	48.93 PK	74.00	-25.07	1.56 H	5	42.45	6.48
5	11060.00	40.28 AV	54.00	-13.72	1.56 H	5	33.80	6.48
6	#16590.00	48.23 PK	68.20	-19.97	1.56 H	5	42.74	5.49
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	55.19 PK	68.20	-13.01	1.56 V	5	49.01	6.18
2	*5530.00	98.48 PK			1.56 V	5	92.19	6.29
3	*5530.00	88.41 AV			1.56 V	5	82.12	6.29
4	11060.00	48.23 PK	74.00	-25.77	1.56 V	5	41.75	6.48
5	11060.00	39.50 AV	54.00	-14.50	1.56 V	5	33.02	6.48
6	#16590.00	46.68 PK	68.20	-21.52	2.35 V	23	41.19	5.49

REMARKS:

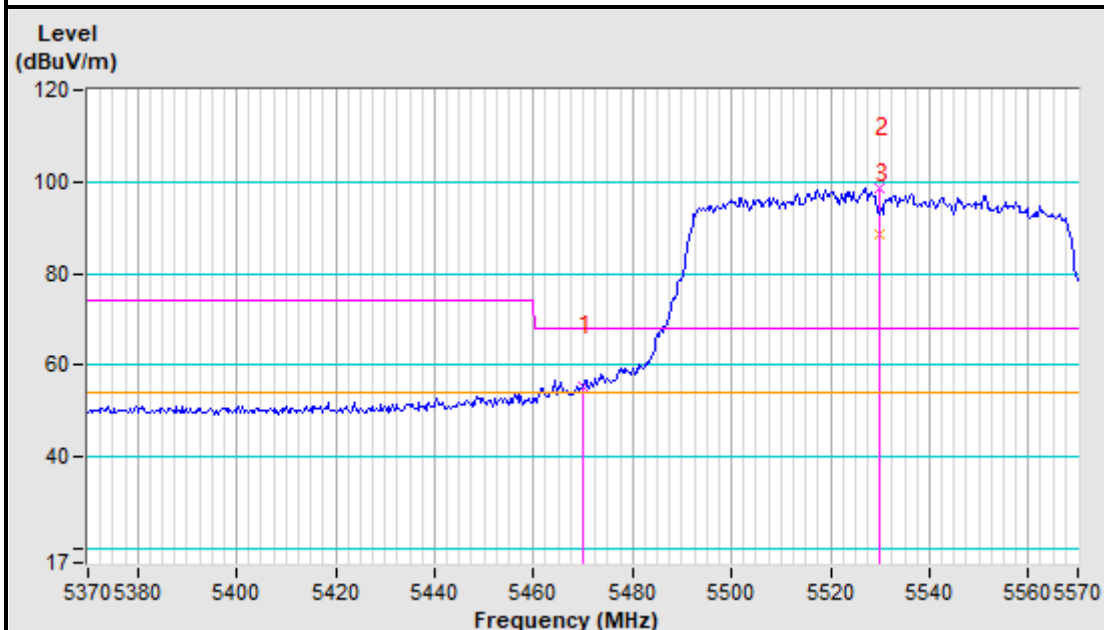
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

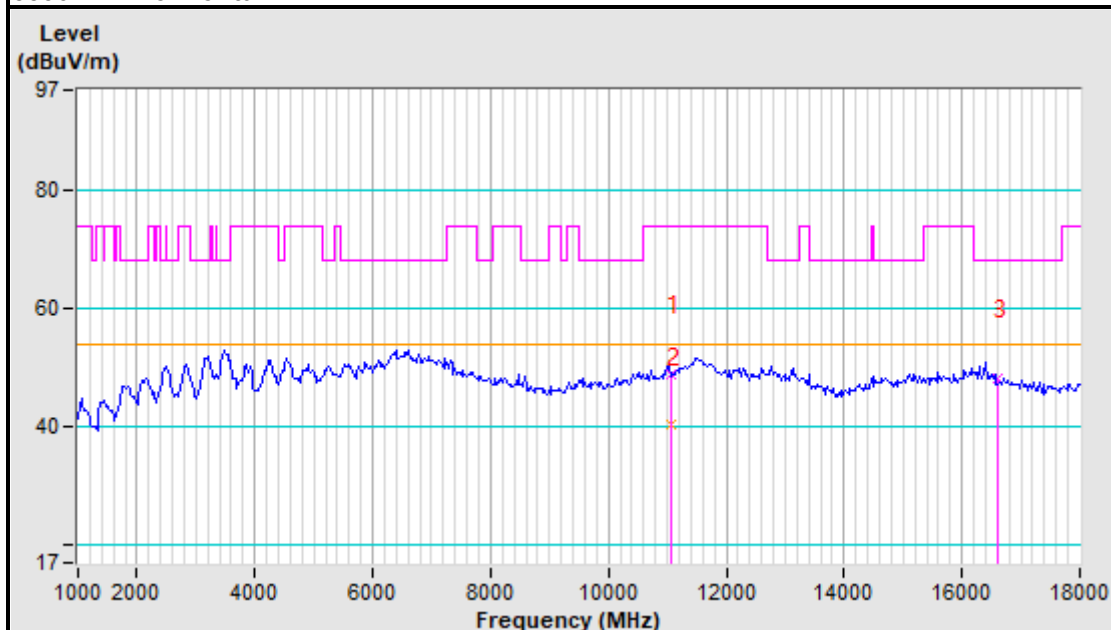
5530MHz Horizontal



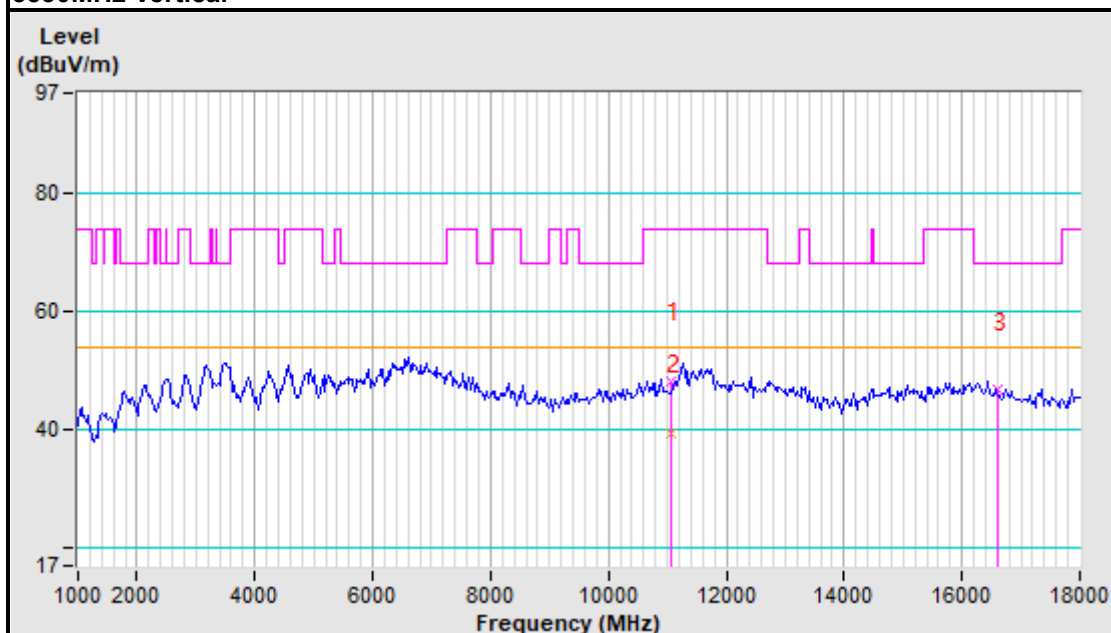
5530MHz Vertical



5530MHz Horizontal

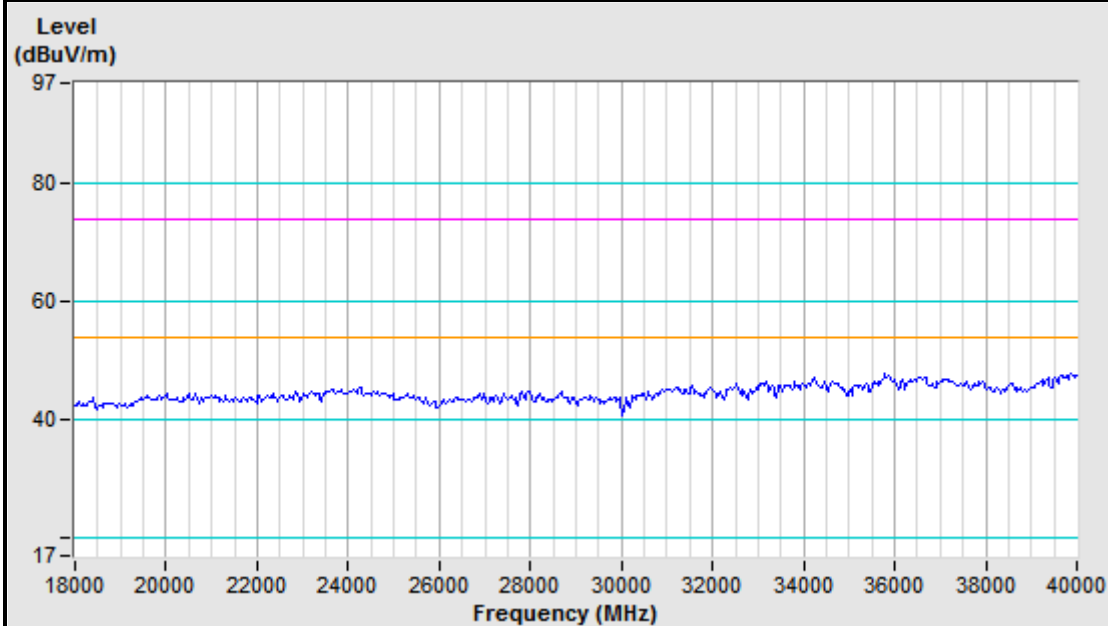


5530MHz Vertical

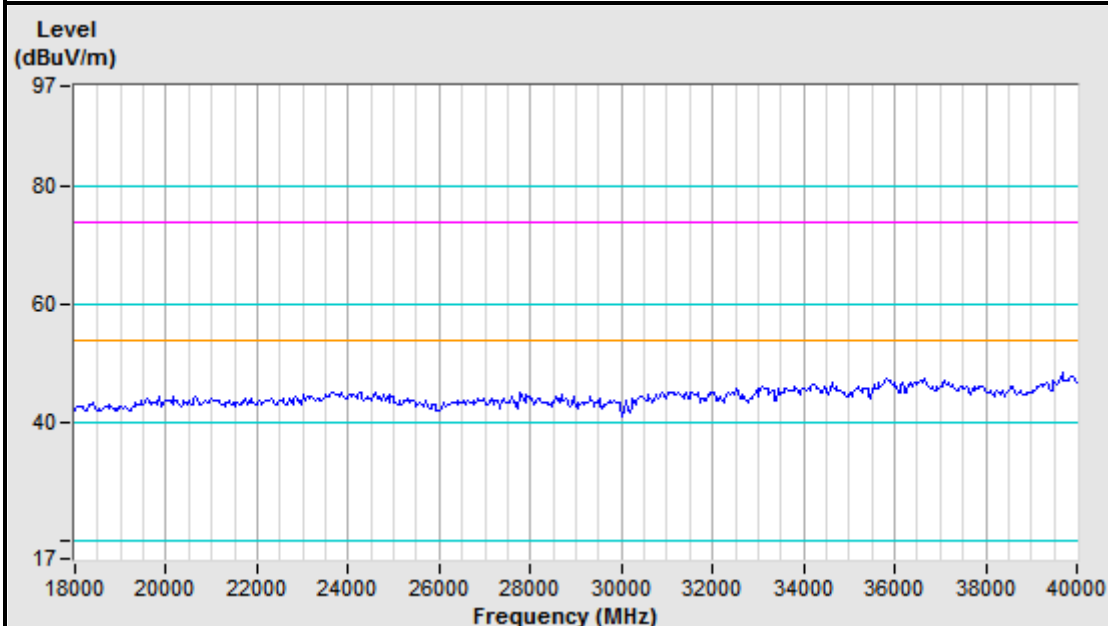


Note: When the harmonic frequency test a fundamental frequency filter is used.

5530MHz Horizontal



5530MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

Band 4 (5725-5850MHz):

ABOVE 1GHz DATA

802.11a

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

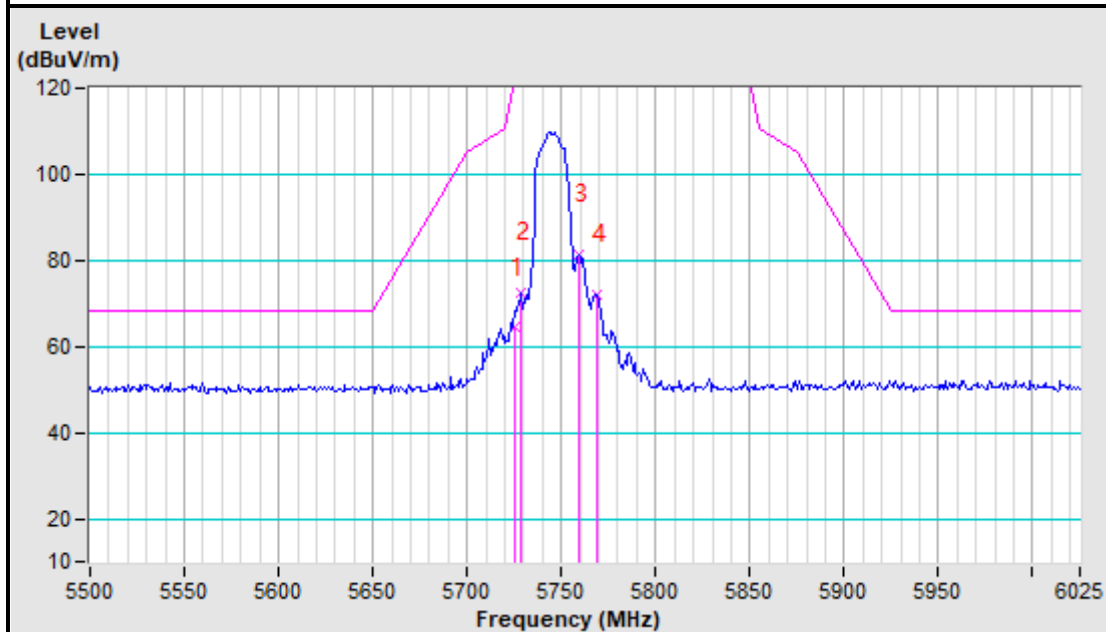
ANTENNA POLARITY & TEST DISTANCE : HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5725.00	64.38 PK	122.20	-57.82	2.35 H	123	57.63	6.75
2	#5728.85	72.56 PK	152.20	-79.64	1.00 H	0	65.80	6.76
3	*5745.00	109.87 PK			2.35 H	156	103.08	6.79
4	*5745.00	95.16 AV			2.35 H	156	88.37	6.79
5	#5759.13	81.51 PK	152.20	-70.69	1.00 H	0	74.68	6.83
6	#5769.23	72.09 PK	152.20	-80.11	1.00 H	0	65.24	6.85
7	11490.00	48.63 PK	74.00	-25.37	1.56 H	45	39.85	8.78
8	11490.00	42.80 AV	54.00	-11.20	1.56 H	45	34.02	8.78
9	#17235.00	45.32 PK	68.20	-22.88	1.56 H	5	41.08	4.24
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	#5725.00	60.34 PK	122.20	-61.86	2.35 V	23	53.59	6.75
2	*5745.00	101.91 PK			1.56 V	56	95.12	6.79
3	*5745.00	92.26 AV			1.56 V	56	85.47	6.79
4	#5760.82	76.07 PK	152.20	-76.13	1.00 V	0	69.24	6.83
5	#5777.64	56.99 PK	152.20	-95.21	1.00 V	0	50.12	6.87
6	11490.00	49.75 PK	74.00	-24.25	1.56 V	5	40.97	8.78
7	11490.00	41.22 AV	54.00	-12.78	1.56 V	5	32.44	8.78
8	#17235.00	43.80 PK	68.20	-24.40	1.56 V	5	39.56	4.24

REMARKS:

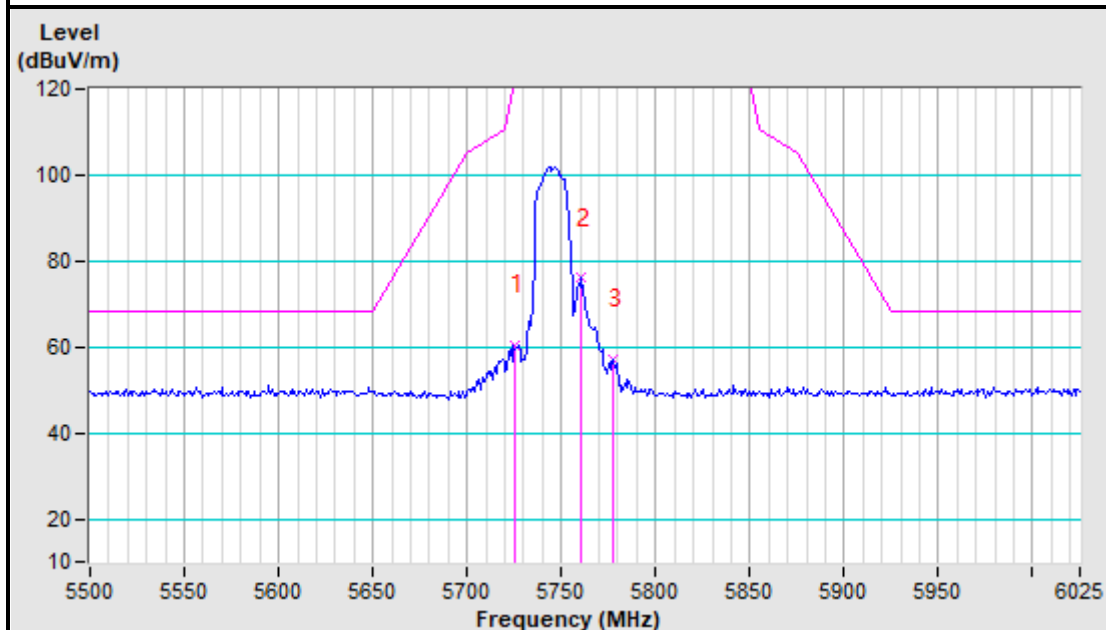
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

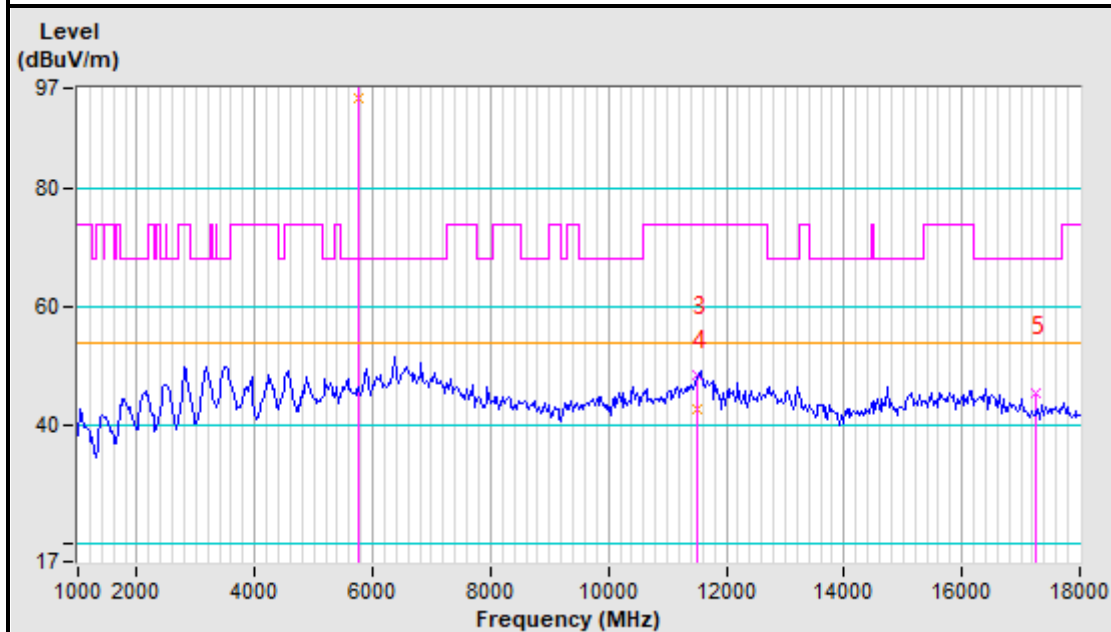
5745MHz Horizontal



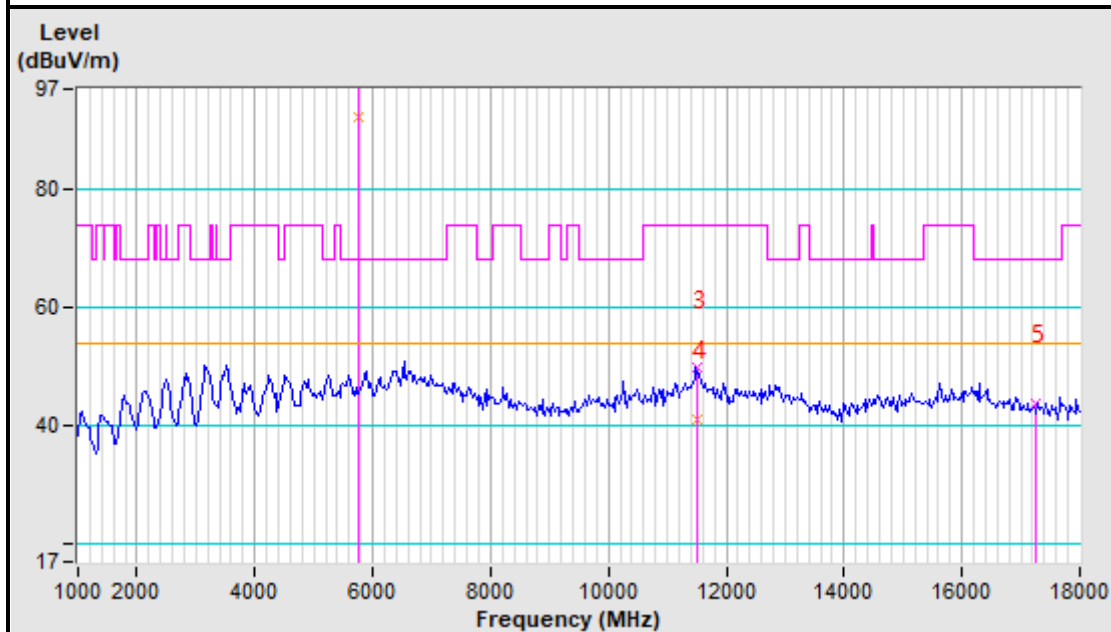
5745MHz Vertical



5745MHz Horizontal

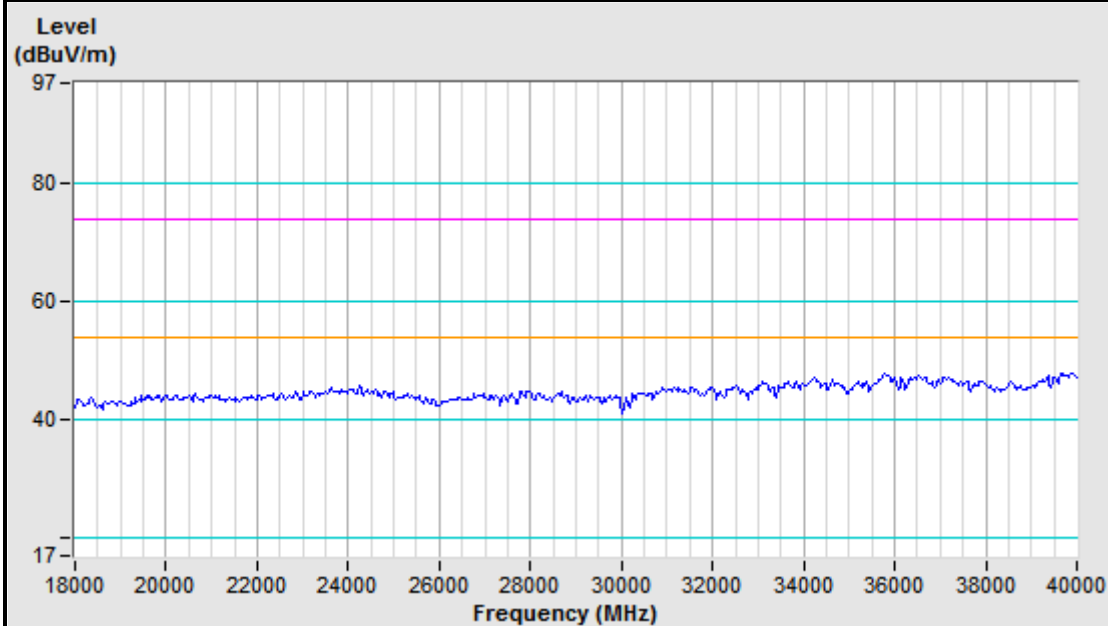


5745MHz Vertical

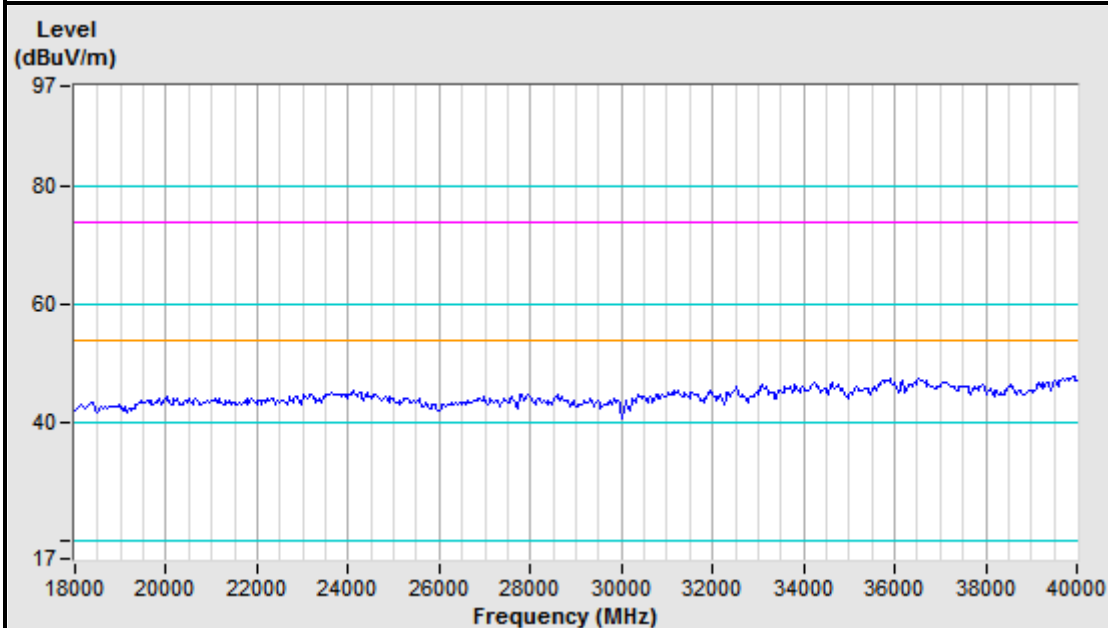


Note: When the harmonic frequency test a fundamental frequency filter is used.

5745MHz Horizontal



5745MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

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

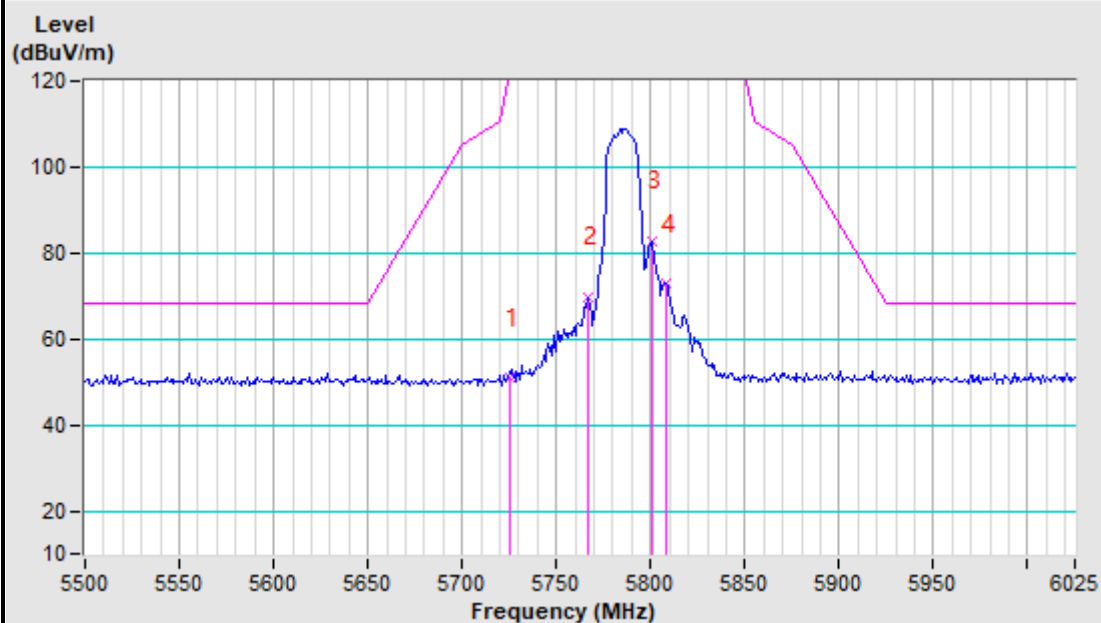
ANTENNA POLARITY & TEST DISTANCE : HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5725.00	50.90 PK	122.20	-71.30	2.35 H	156	44.15	6.75
2	#5766.71	69.56 PK	152.20	-82.64	1.00 H	0	62.72	6.84
3	*5785.00	108.68 PK			1.56 H	5	101.79	6.89
4	*5785.00	98.31 AV			1.56 H	5	91.42	6.89
5	#5800.36	82.72 PK	152.20	-69.48	1.00 H	0	75.80	6.92
6	#5807.93	72.78 PK	152.20	-79.42	1.00 H	0	65.84	6.94
7	11570.00	49.40 PK	74.00	-24.60	1.56 H	56	40.90	8.50
8	11570.00	40.08 AV	54.00	-13.92	1.56 H	56	31.58	8.50
9	#17355.00	44.38 PK	68.20	-23.82	1.56 H	5	40.22	4.16
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	#5725.00	50.33 PK	122.20	-71.87	2.35 V	156	43.58	6.75
2	#5766.71	64.69 PK	152.20	-87.51	1.00 V	82	57.85	6.84
3	*5785.00	101.96 PK			1.56 V	45	95.07	6.89
4	*5785.00	92.57 AV			1.56 V	45	85.68	6.89
5	#5801.20	77.43 PK	152.20	-74.77	1.00 V	96	70.51	6.92
6	#5807.93	67.36 PK	152.20	-84.84	1.00 V	115	60.42	6.94
7	11570.00	50.10 PK	74.00	-23.90	1.56 V	5	41.60	8.50
8	11570.00	40.09 AV	54.00	-13.91	1.56 V	5	31.59	8.50
9	#17355.00	42.37 PK	68.20	-25.83	1.56 V	5	38.21	4.16

REMARKS:

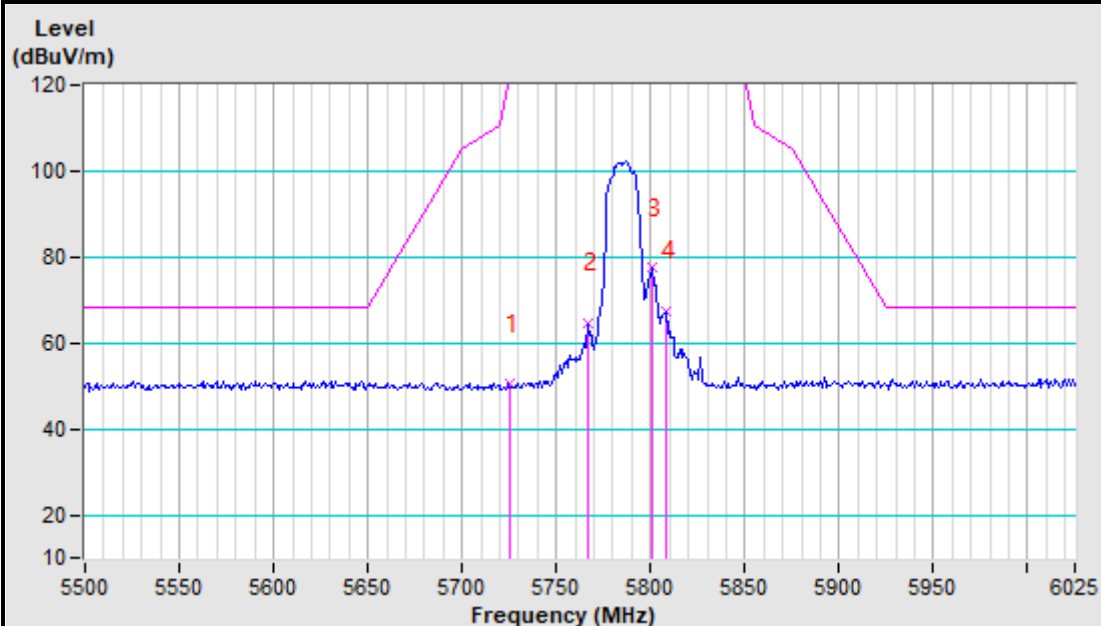
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

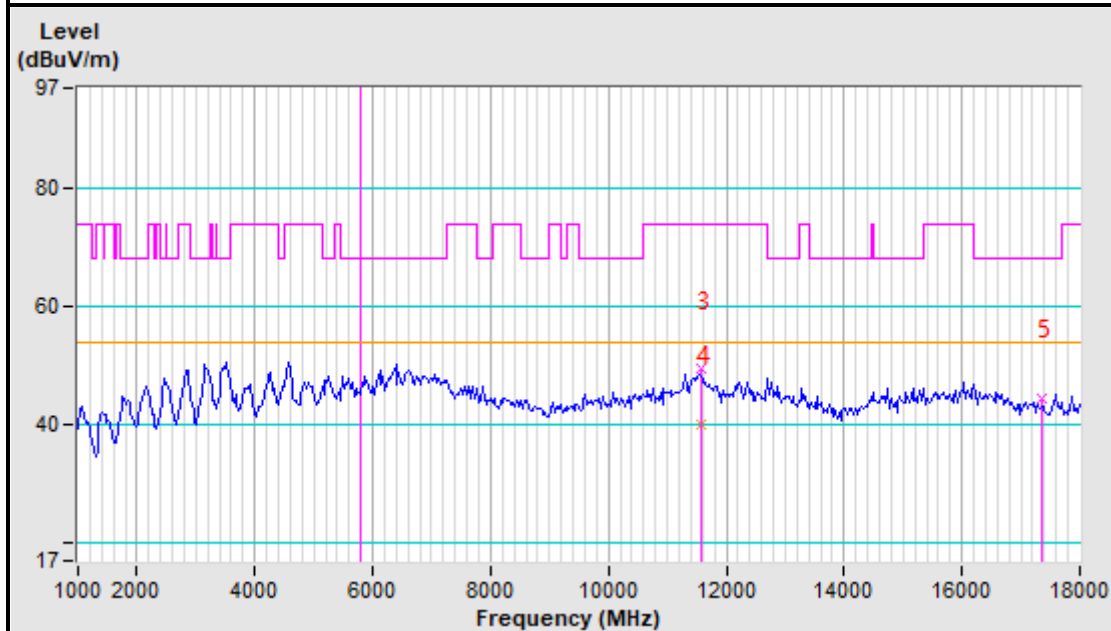
5785MHz Horizontal



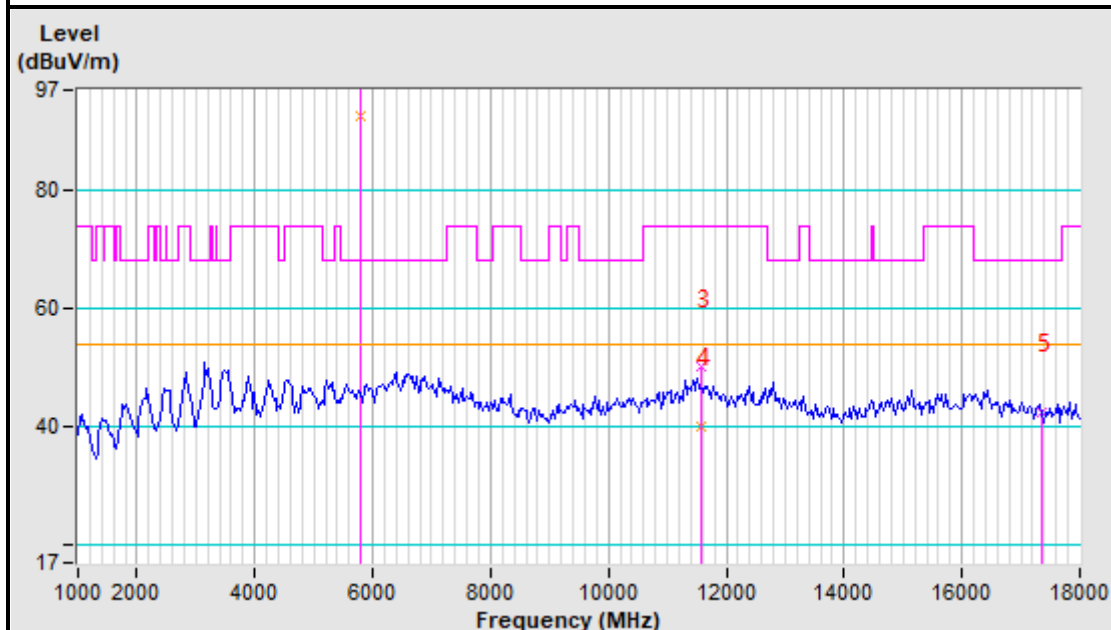
5785MHz Vertical



5785MHz Horizontal

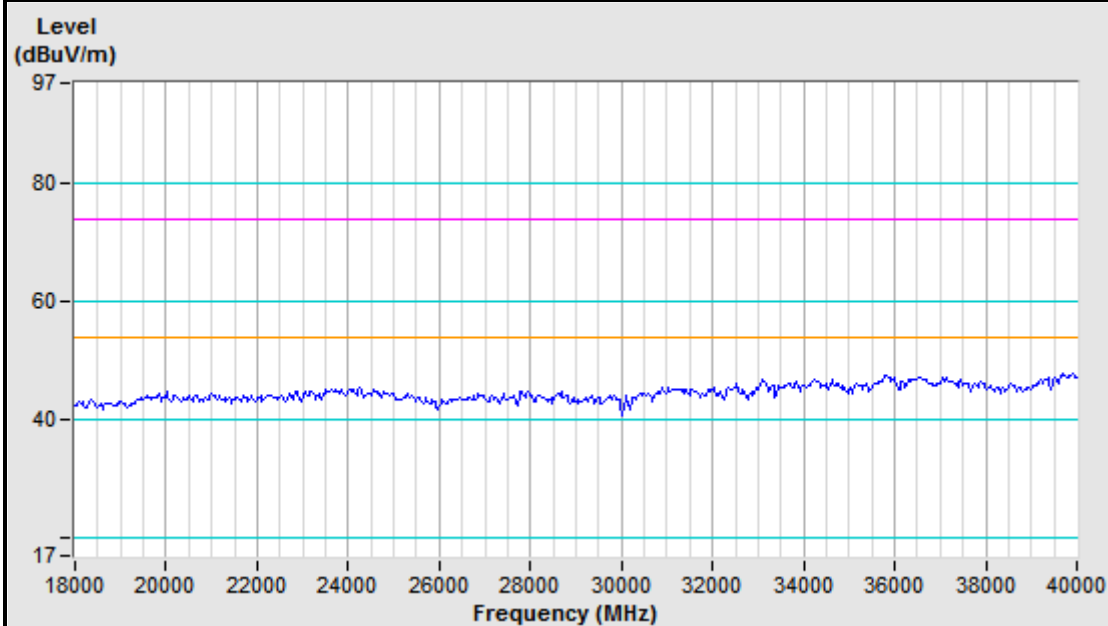


5785MHz Vertical

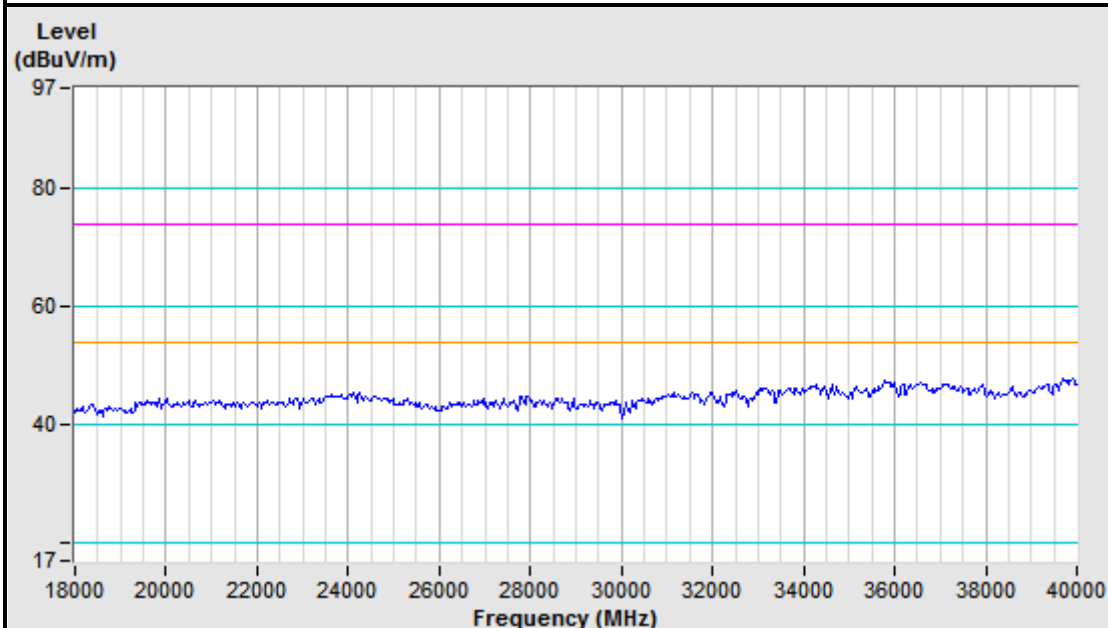


Note: When the harmonic frequency test a fundamental frequency filter is used.

5785MHz Horizontal



5785MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

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

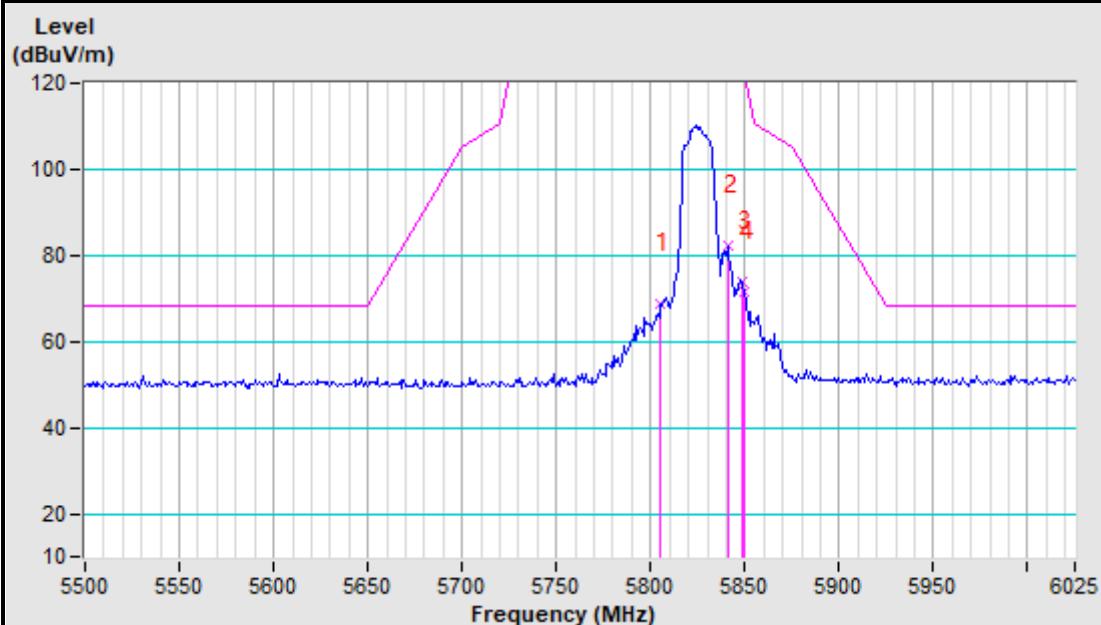
ANTENNA POLARITY & TEST DISTANCE : HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5805.41	68.69 PK	152.20	-83.51	1.00 H	123	61.75	6.94
2	*5825.00	110.67 PK			1.56 H	5	103.69	6.98
3	*5825.00	98.13 AV			1.56 H	5	91.15	6.98
4	#5840.75	82.28 PK	152.20	-69.92	1.00 H	79	75.26	7.02
5	#5848.32	73.94 PK	152.20	-78.26	1.00 H	94	66.91	7.03
6	#5850.00	71.71 PK	122.20	-50.49	1.56 H	5	64.67	7.04
7	11650.00	48.32 PK	74.00	-25.68	1.56 H	45	40.20	8.12
8	11650.00	39.99 AV	54.00	-14.01	1.56 H	45	31.87	8.12
9	#17475.00	43.58 PK	68.20	-24.62	1.05 H	0	39.50	4.08
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	#5792.79	68.43 PK	152.20	-83.77	1.00 V	0	61.53	6.90
2	*5825.00	103.34 PK			1.65 V	45	96.36	6.98
3	*5825.00	92.91 AV			1.65 V	45	85.93	6.98
4	#5840.75	75.80 PK	152.20	-76.40	1.00 V	0	68.78	7.02
5	#5848.32	67.86 PK	152.20	-84.34	1.00 V	0	60.83	7.03
6	#5850.00	62.16 PK	122.20	-60.04	2.35 V	156	55.12	7.04
7	11650.00	48.31 PK	74.00	-25.69	1.56 V	5	40.19	8.12
8	11650.00	37.20 AV	54.00	-16.80	1.56 V	5	29.08	8.12
9	#17475.00	42.59 PK	68.20	-25.61	1.65 V	54	38.51	4.08

REMARKS:

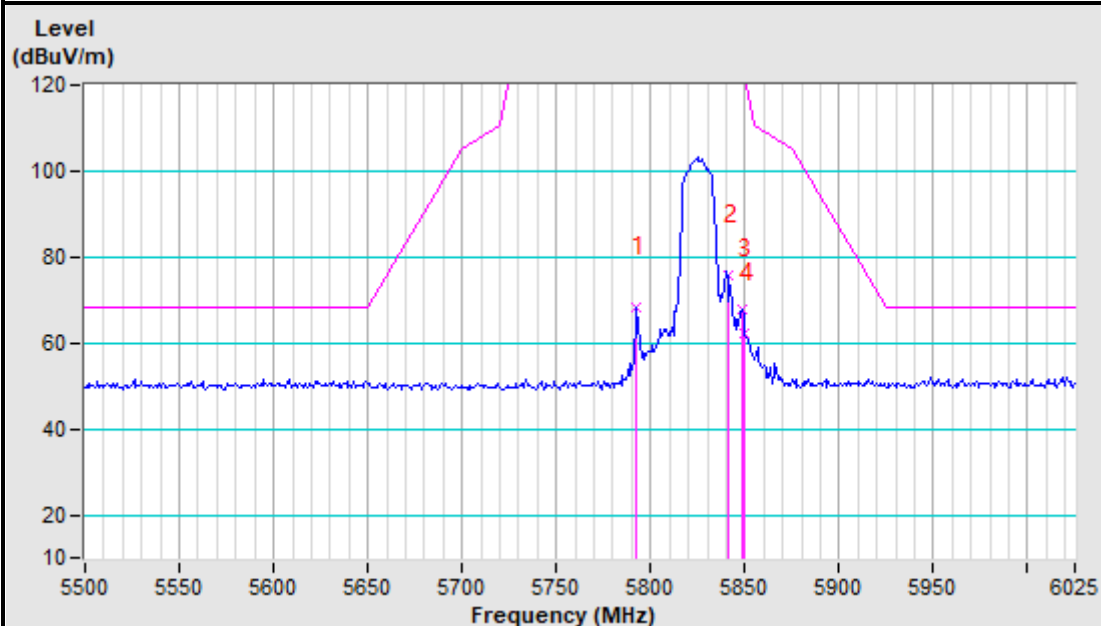
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

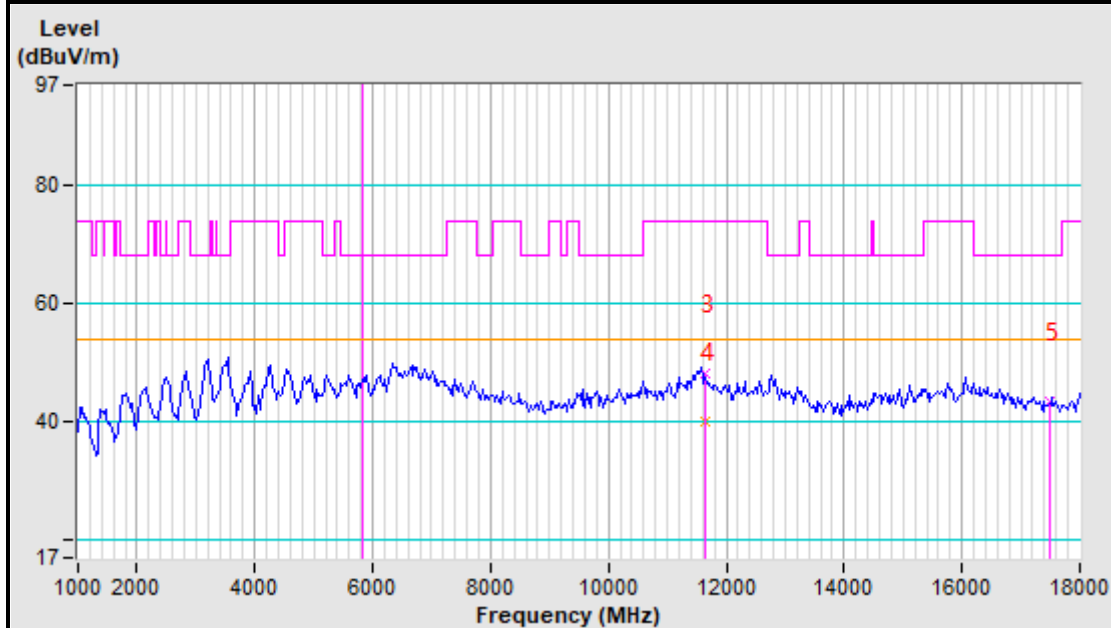
5825MHz Horizontal



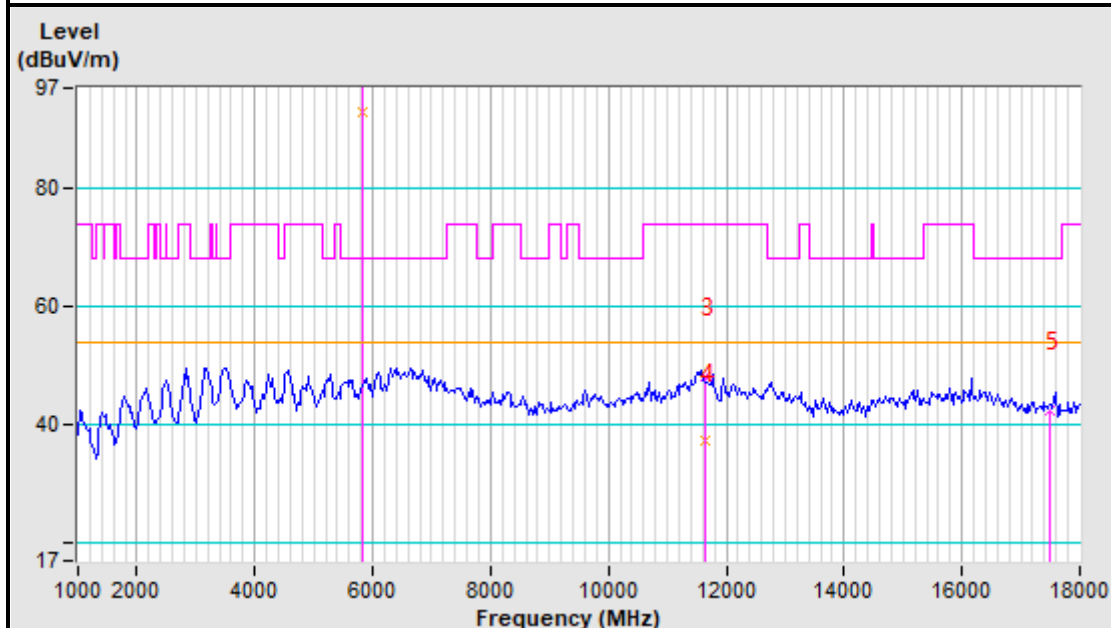
5825MHz Vertical



5825MHz Horizontal

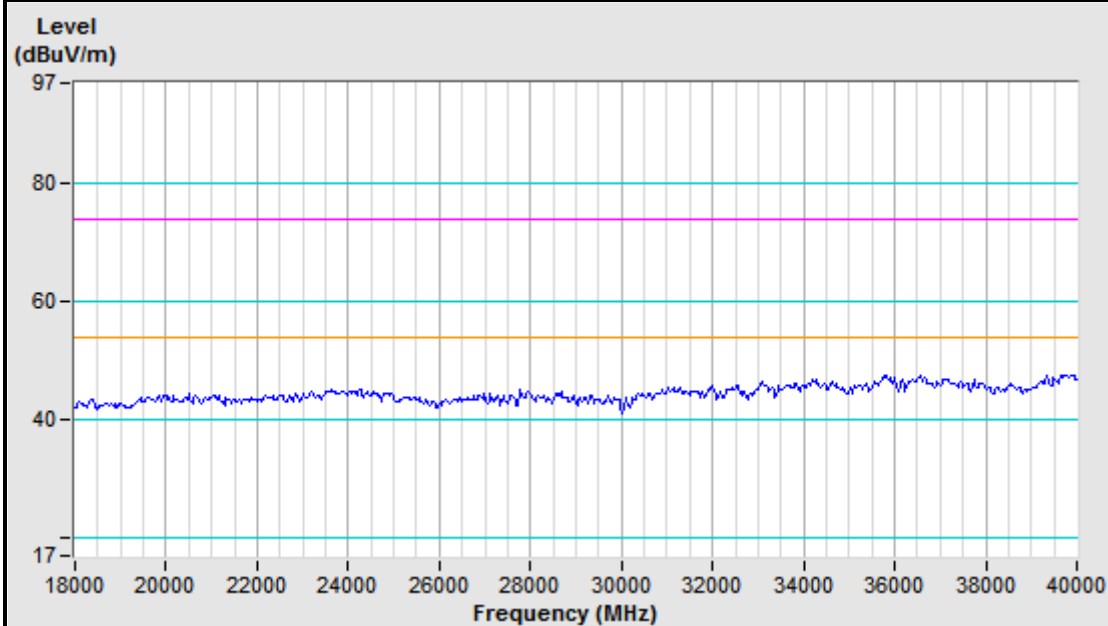


5825MHz Vertical

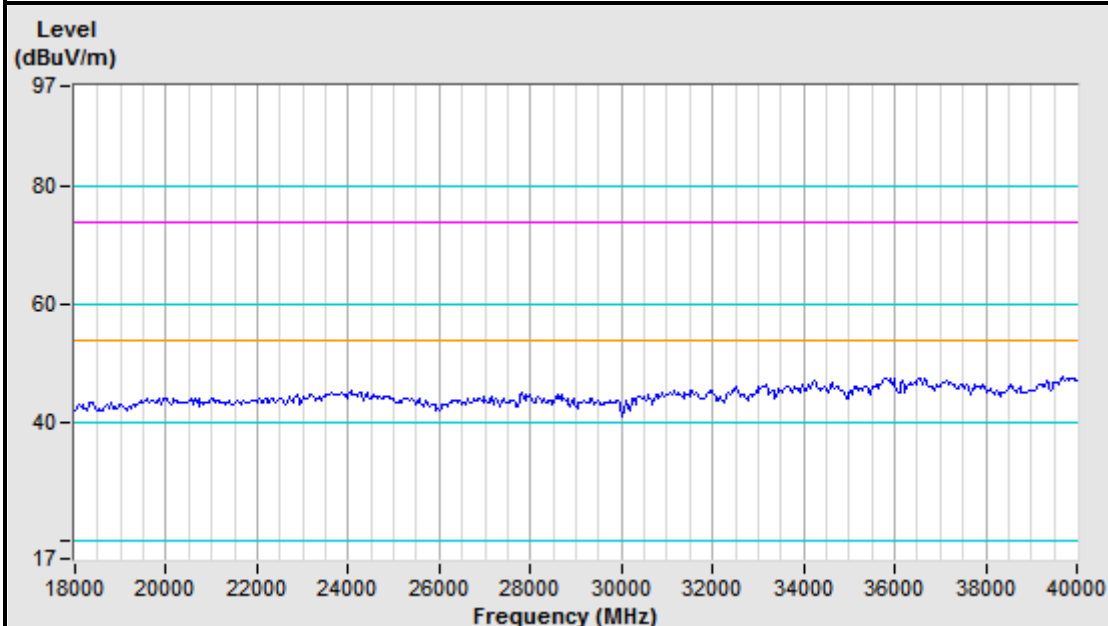


Note: When the harmonic frequency test a fundamental frequency filter is used.

5825MHz Horizontal



5825MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

802.11n (20MHz)

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

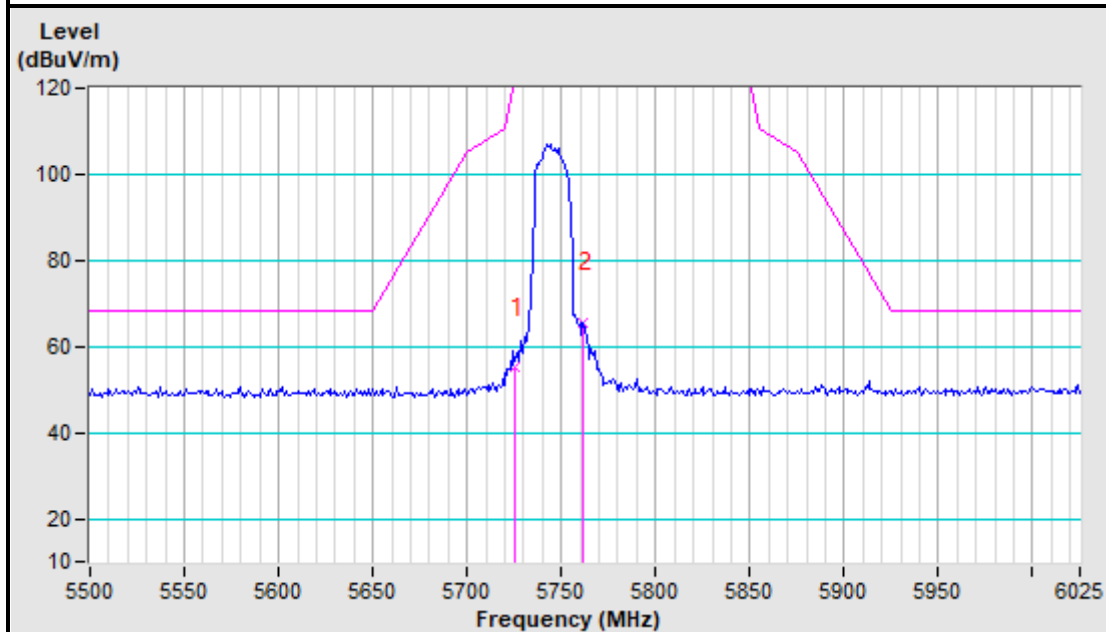
ANTENNA POLARITY & TEST DISTANCE : HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5725.00	55.04 PK	122.20	-67.16	2.35 H	156	48.29	6.75
2	*5745.00	106.97 PK			2.35 H	45	100.18	6.79
3	*5745.00	97.79 AV			2.35 H	45	91.00	6.79
4	#5761.66	65.52 PK	152.20	-86.68	1.00 H	0	58.69	6.83
5	11490.00	48.32 PK	74.00	-25.68	1.56 H	45	39.54	8.78
6	11490.00	38.15 AV	54.00	-15.85	1.56 H	45	29.37	8.78
7	#17235.00	45.09 PK	68.20	-23.11	1.00 H	5	40.85	4.24
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	#5725.00	55.89 PK	122.20	-66.31	1.56 V	56	49.14	6.75
2	*5745.00	103.25 PK			1.56 V	5	96.46	6.79
3	*5745.00	91.32 AV			1.56 V	5	84.53	6.79
4	#5765.87	56.91 PK	152.20	-95.29	1.00 V	0	50.07	6.84
5	11490.00	49.63 PK	74.00	-24.37	1.56 V	5	40.85	8.78
6	11490.00	40.28 AV	54.00	-13.72	1.56 V	5	31.50	8.78
7	#17235.00	44.23 PK	68.20	-23.97	4.00 V	45	39.99	4.24

REMARKS:

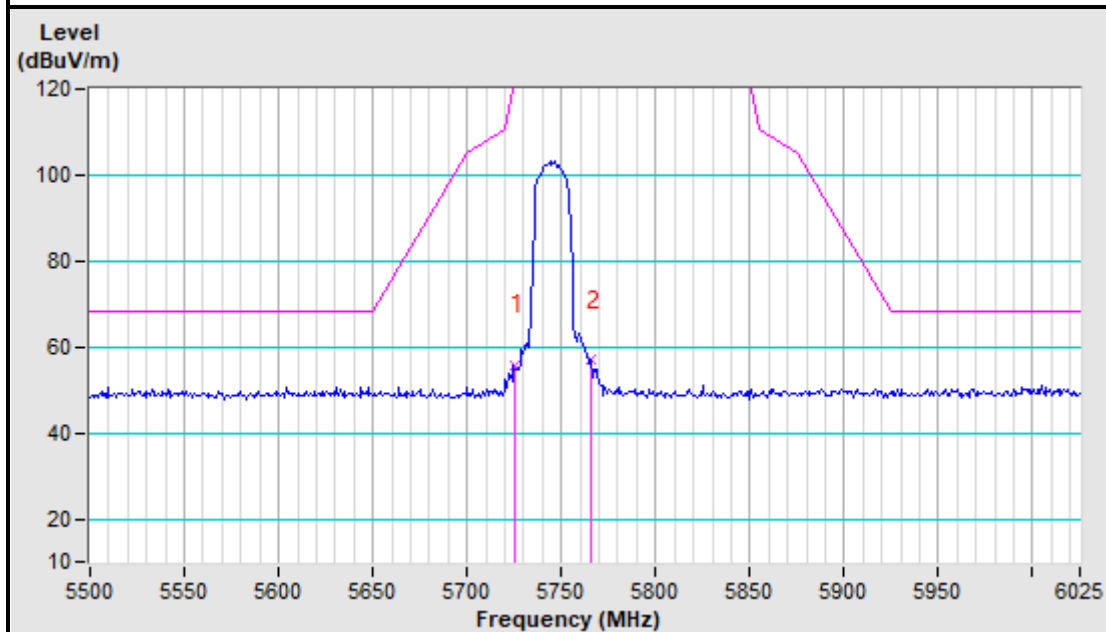
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

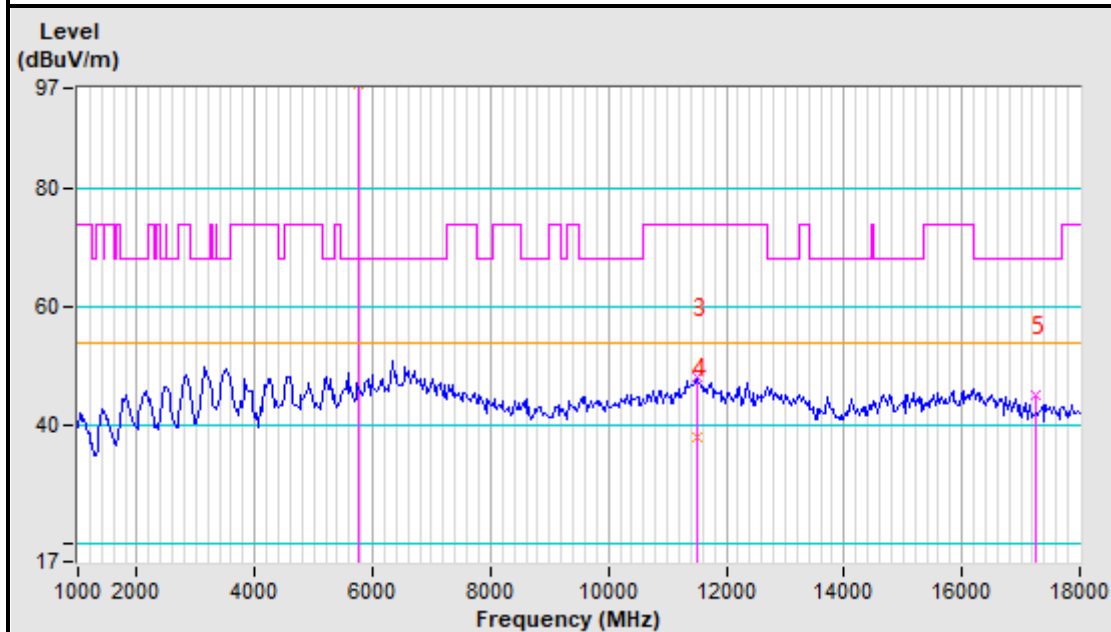
5745MHz Horizontal



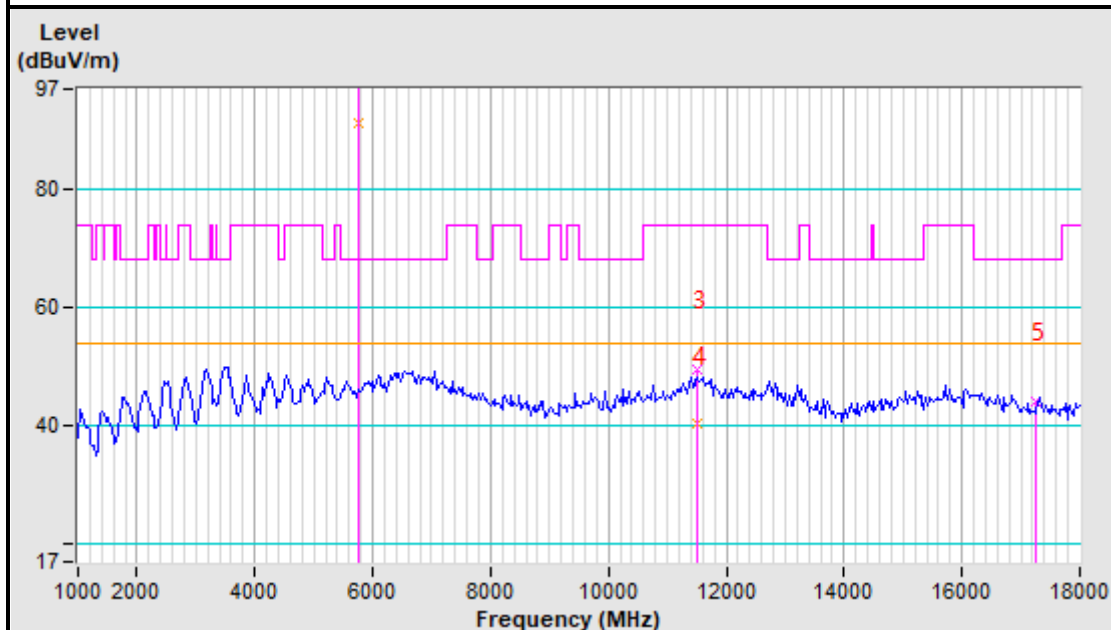
5745MHz Vertical



5745MHz Horizontal

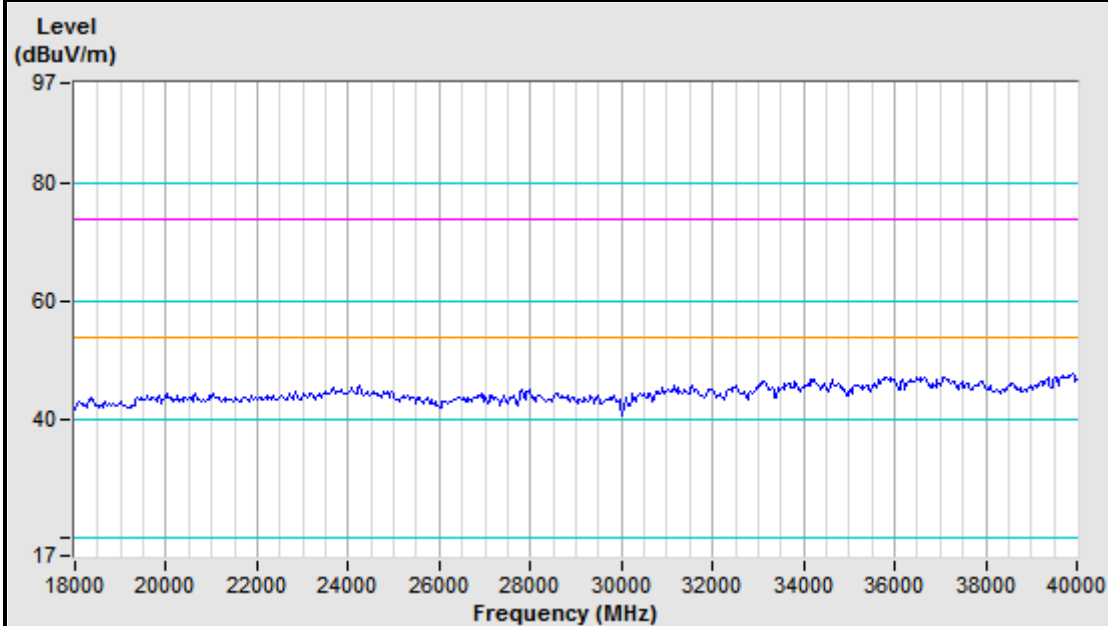


5745MHz Vertical

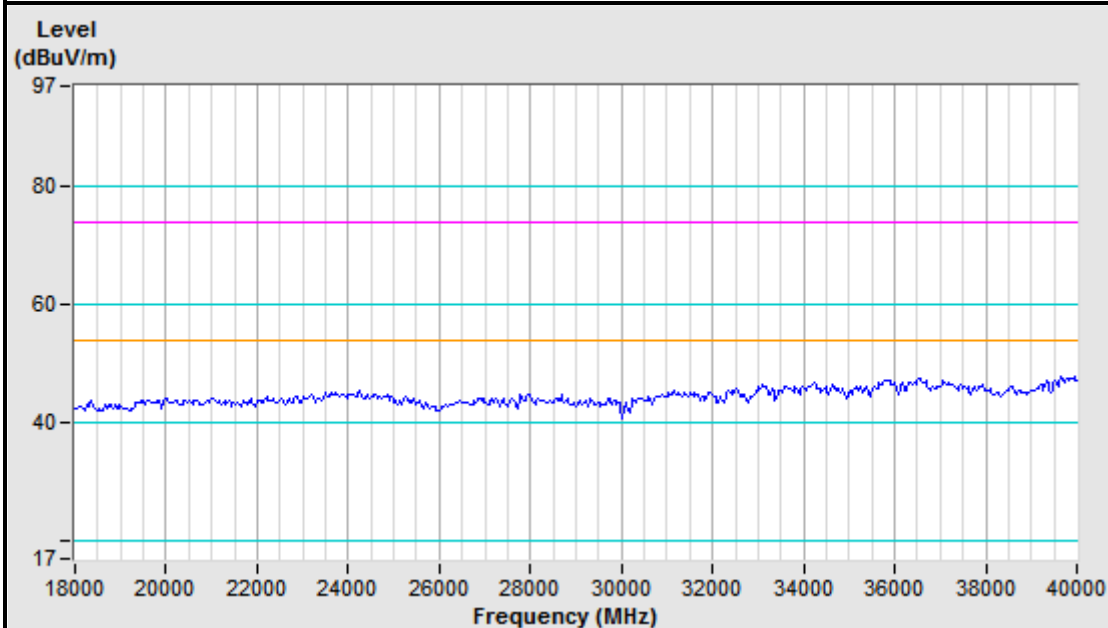


Note: When the harmonic frequency test a fundamental frequency filter is used.

5745MHz Horizontal



5745MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

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

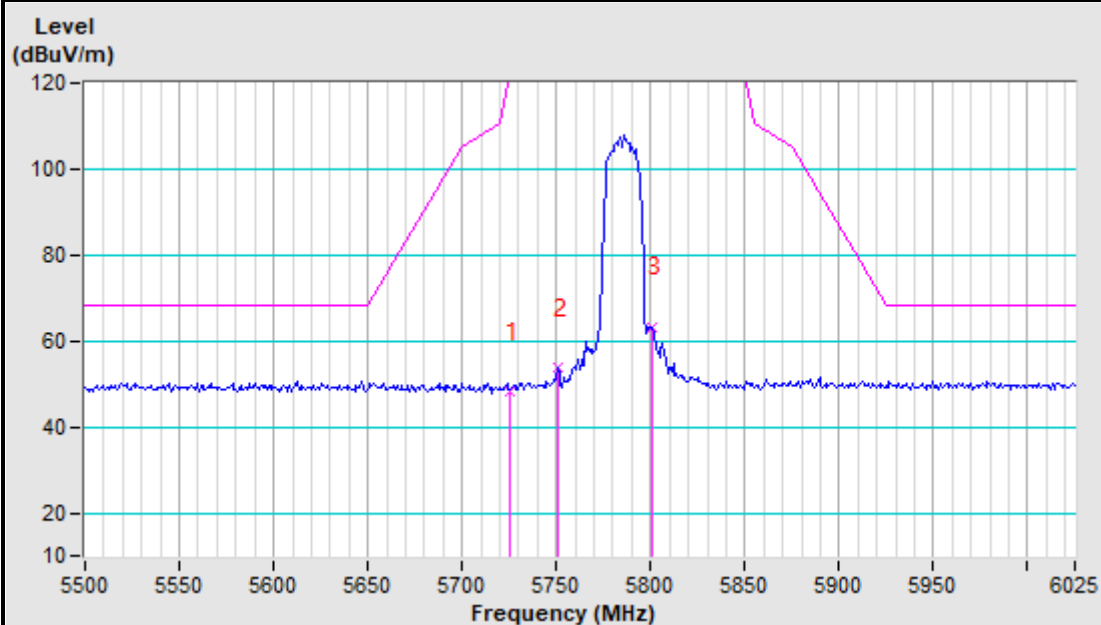
ANTENNA POLARITY & TEST DISTANCE : HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5725.00	48.10 PK	122.20	-74.10	1.56 H	5	41.35	6.75
2	#5750.72	53.59 PK	152.20	-98.61	1.00 H	175	46.78	6.81
3	*5785.00	107.77 PK			1.00 H	360	100.88	6.89
4	*5785.00	97.60 AV			1.00 H	360	90.71	6.89
5	#5801.20	63.34 PK	152.20	-88.86	1.00 H	192	56.42	6.92
6	11570.00	48.32 PK	74.00	-25.68	4.00 H	5	39.82	8.50
7	11570.00	38.14 AV	54.00	-15.86	4.00 H	5	29.64	8.50
8	#17355.00	43.82 PK	68.20	-24.38	1.56 H	5	39.66	4.16
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	#5725.00	48.12 PK	122.20	-74.08	1.56 V	23	41.37	6.75
2	#5766.71	56.48 PK	152.20	-95.72	1.00 V	0	49.64	6.84
3	*5785.00	105.31 PK			1.56 V	5	98.42	6.89
4	*5785.00	97.32 AV			1.56 V	5	90.43	6.89
5	#5801.20	60.70 PK	152.20	-91.50	1.00 V	0	53.78	6.92
6	11570.00	48.30 PK	74.00	-25.70	1.00 V	54	39.80	8.50
7	11570.00	39.92 AV	54.00	-14.08	1.00 V	54	31.42	8.50
8	#17355.00	43.08 PK	68.20	-25.12	1.00 V	54	38.92	4.16

REMARKS:

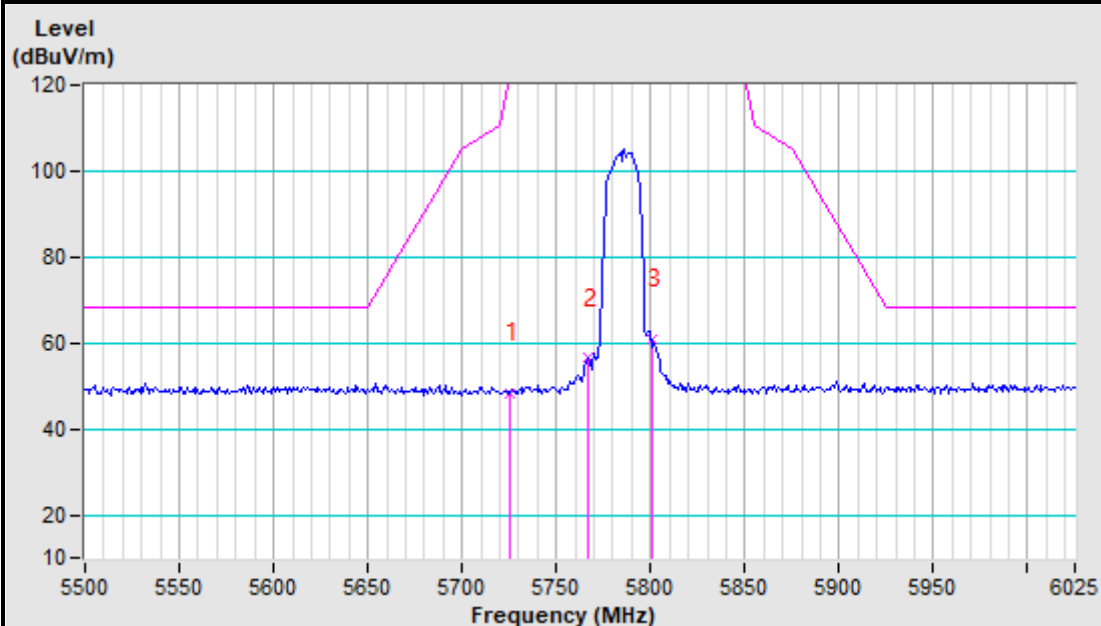
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

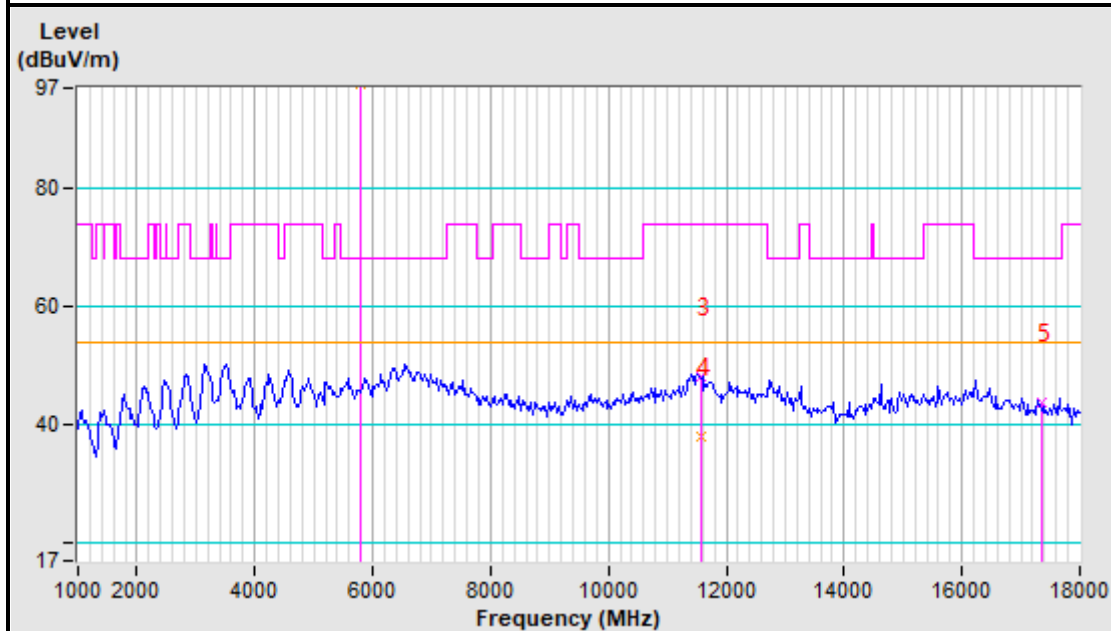
5785MHz Horizontal



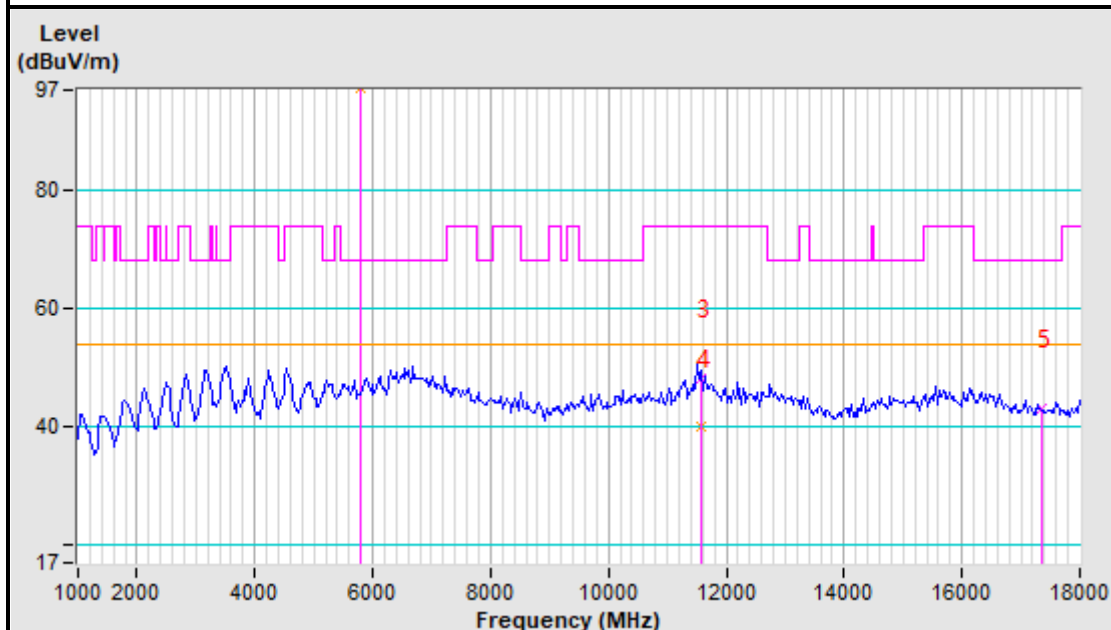
5785MHz Vertical



5785MHz Horizontal

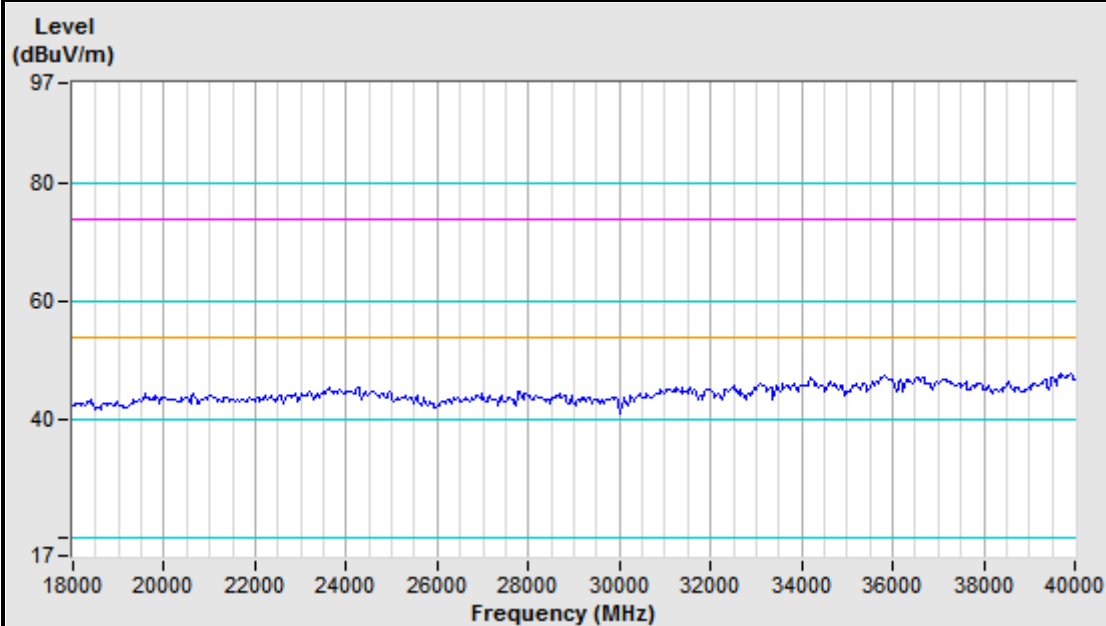


5785MHz Vertical

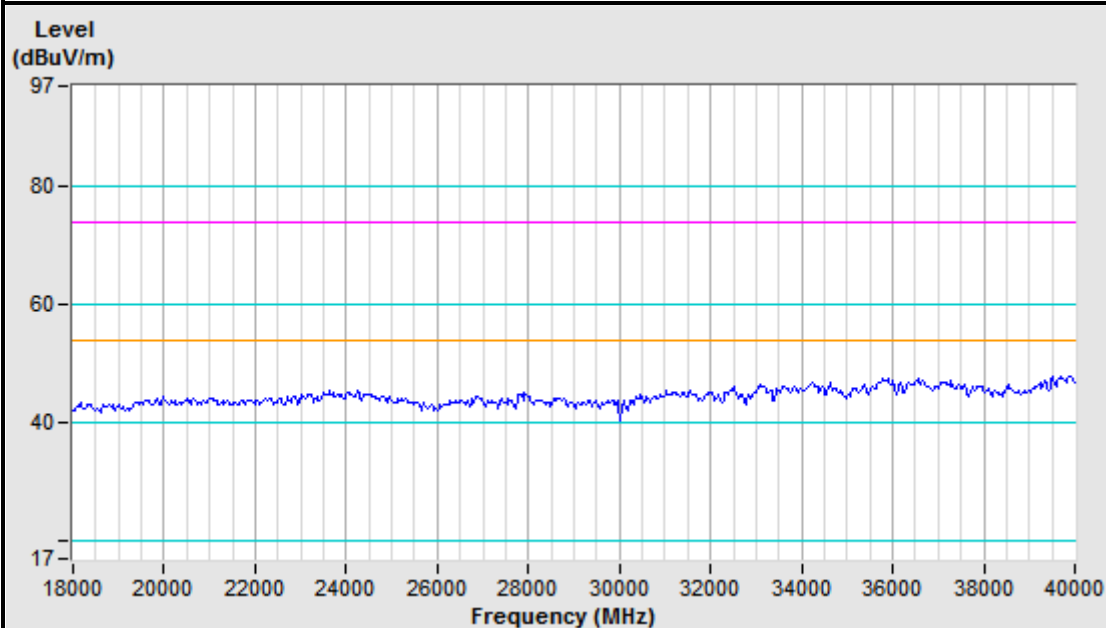


Note: When the harmonic frequency test a fundamental frequency filter is used.

5785MHz Horizontal



5785MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

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

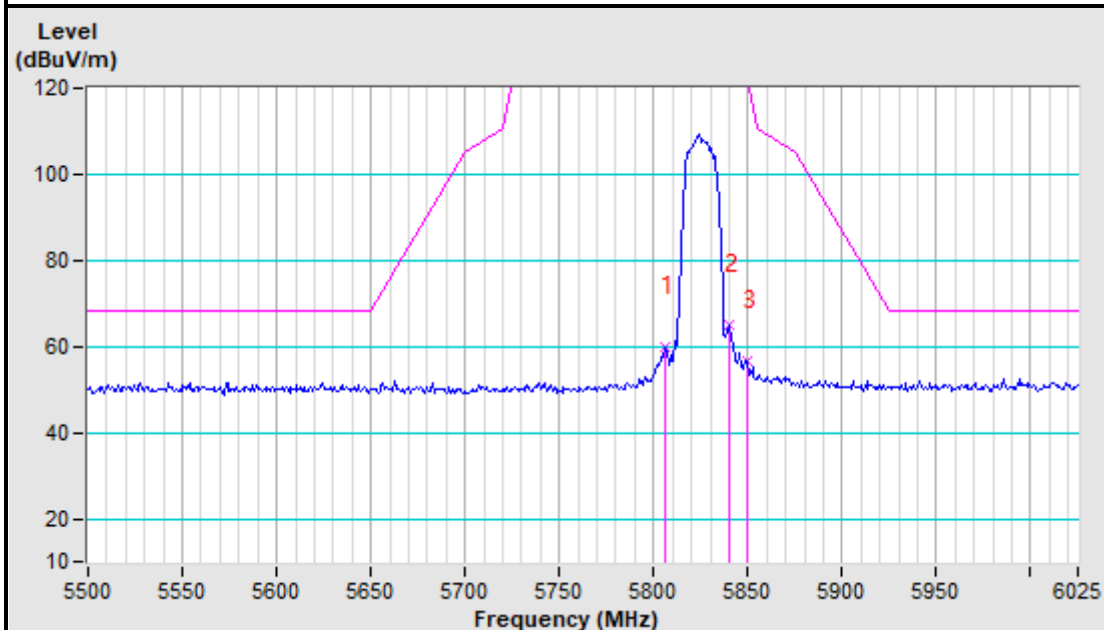
ANTENNA POLARITY & TEST DISTANCE : HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5806.25	59.81 PK	152.20	-92.39	1.00 H	69	52.87	6.94
2	*5825.00	109.32 PK			2.35 H	56	102.34	6.98
3	*5825.00	98.94 AV			2.35 H	56	91.96	6.98
4	#5839.90	64.90 PK	152.20	-87.30	1.00 H	85	57.88	7.02
5	#5850.00	56.54 PK	122.20	-65.66	1.56 H	23	49.50	7.04
6	11650.00	47.28 PK	74.00	-26.72	1.65 H	5	39.16	8.12
7	11650.00	41.38 AV	54.00	-12.62	1.65 H	5	33.26	8.12
8	#17475.00	43.50 PK	68.20	-24.70	1.56 H	56	39.42	4.08
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	#5809.62	58.38 PK	152.20	-93.82	1.00 V	151	51.43	6.95
2	*5825.00	104.39 PK			1.56 V	5	97.41	6.98
3	*5825.00	93.22 AV			1.56 V	5	86.24	6.98
4	#5840.75	59.28 PK	152.20	-92.92	1.00 V	151	52.26	7.02
5	#5850.00	50.33 PK	122.20	-71.87	1.56 V	5	43.29	7.04
6	11650.00	48.07 PK	74.00	-25.93	1.56 V	5	39.95	8.12
7	11650.00	41.28 AV	54.00	-12.72	1.56 V	5	33.16	8.12
8	#17475.00	45.23 PK	68.20	-22.97	1.00 V	5	41.15	4.08

REMARKS:

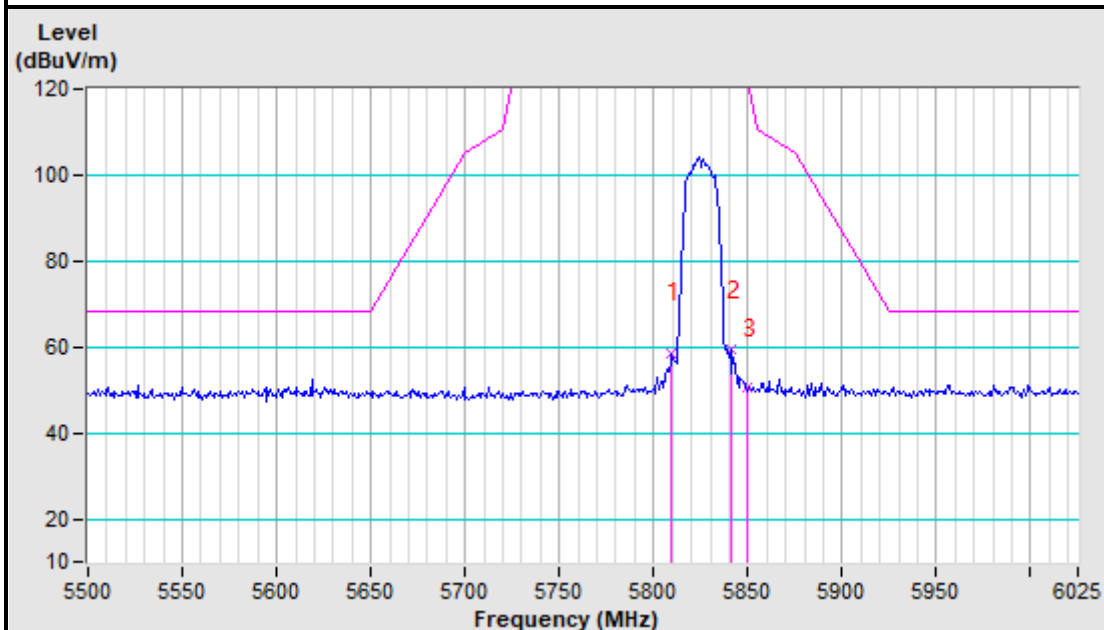
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.
6. " # " : The radiated frequency is out of the restricted band.

Band edge Plot

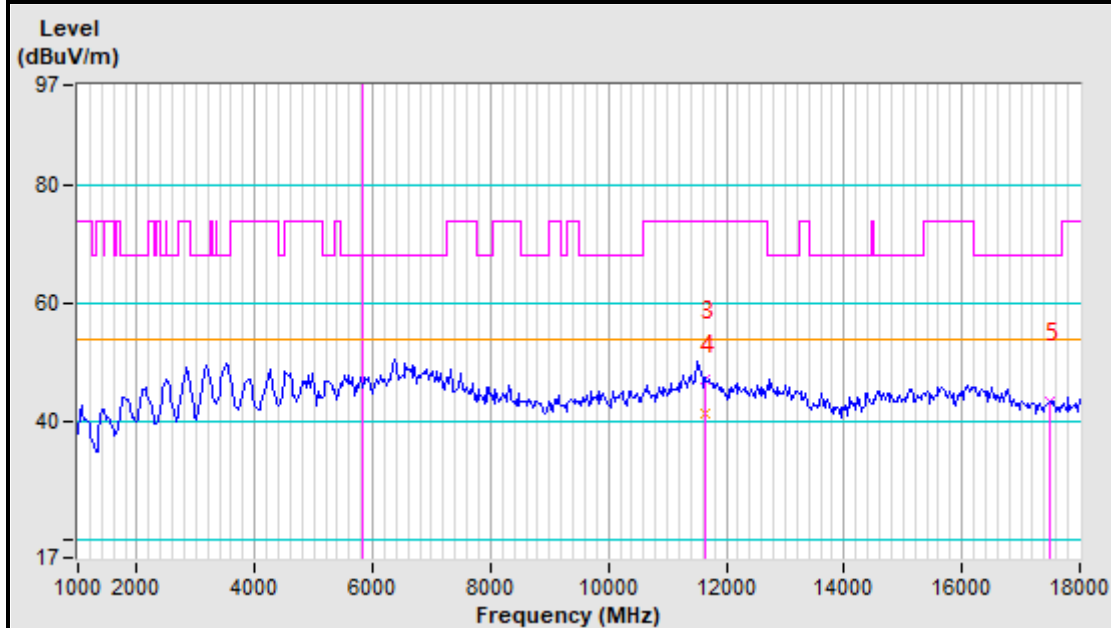
5825MHz Horizontal



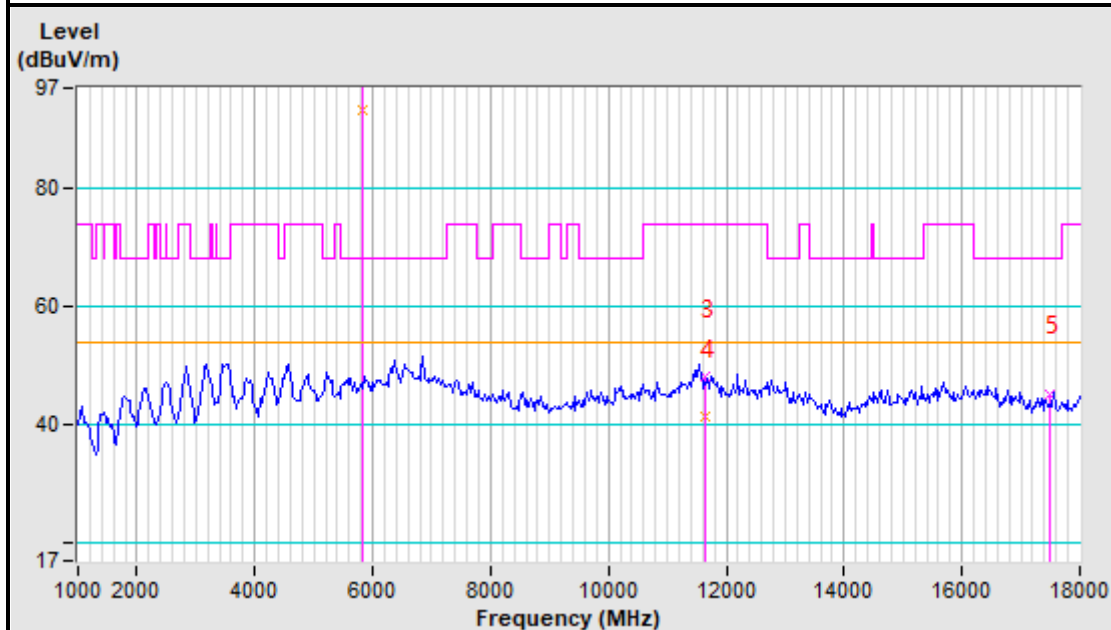
5825MHz Vertical



5825MHz Horizontal

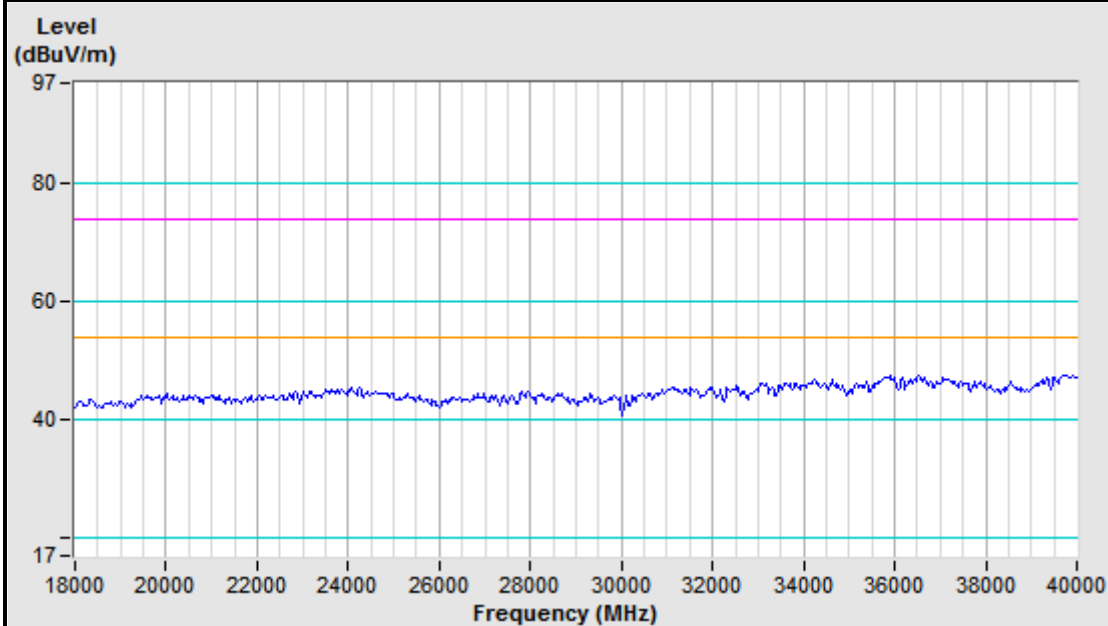


5825MHz Vertical

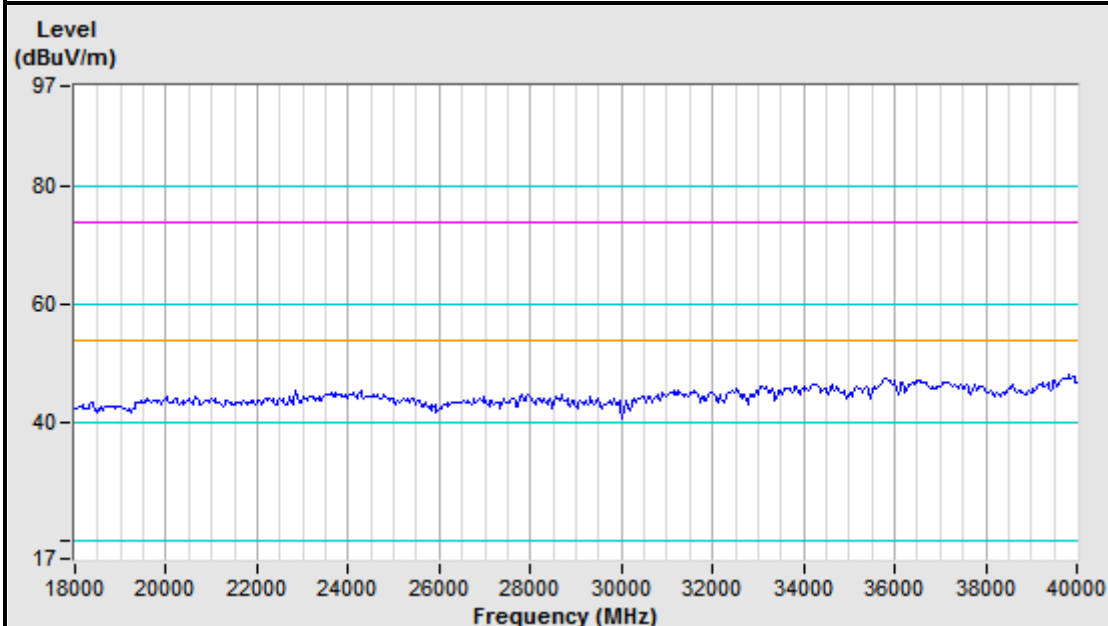


Note: When the harmonic frequency test a fundamental frequency filter is used.

5825MHz Horizontal



5825MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

802.11n (40MHz)

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

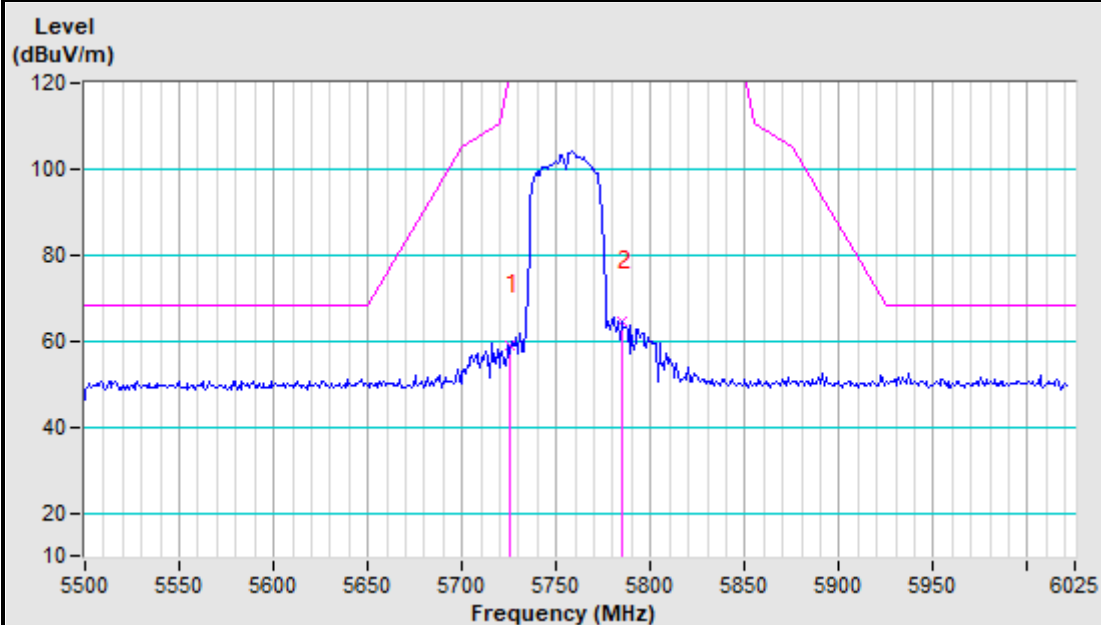
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5725.00	58.87 PK	122.20	-63.33	2.35 H	235	52.12	6.75
2	*5755.00	103.96 PK			1.56 H	45	97.14	6.82
3	*5755.00	98.20 AV			1.56 H	45	91.38	6.82
4	#5784.37	64.66 PK	152.20	-87.54	1.00 H	256	57.77	6.89
5	11510.00	48.99 PK	74.00	-25.01	1.56 H	5	40.20	8.79
6	11510.00	41.28 AV	54.00	-12.72	1.56 H	5	32.49	8.79
7	#17265.00	44.33 PK	68.20	-23.87	1.00 H	5	40.11	4.22
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	#5725.00	55.51 PK	122.20	-66.69	1.00 V	156	48.76	6.75
2	*5755.00	100.44 PK			1.65 V	5	93.62	6.82
3	*5755.00	95.16 AV			1.65 V	5	88.34	6.82
4	#5788.58	62.96 PK	152.20	-89.24	1.00 V	151	56.06	6.90
5	11510.00	49.23 PK	74.00	-24.77	1.00 V	5	40.44	8.79
6	11510.00	38.88 AV	54.00	-15.12	1.00 V	5	30.09	8.79
7	#17265.00	44.20 PK	68.20	-24.00	1.00 V	55	39.98	4.22

REMARKS:

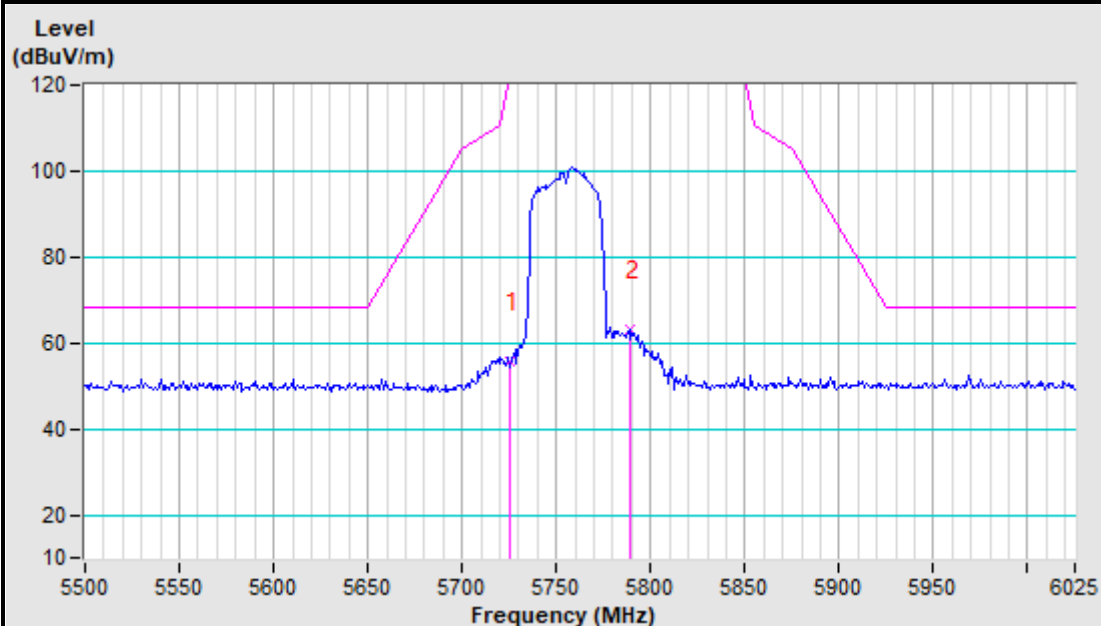
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

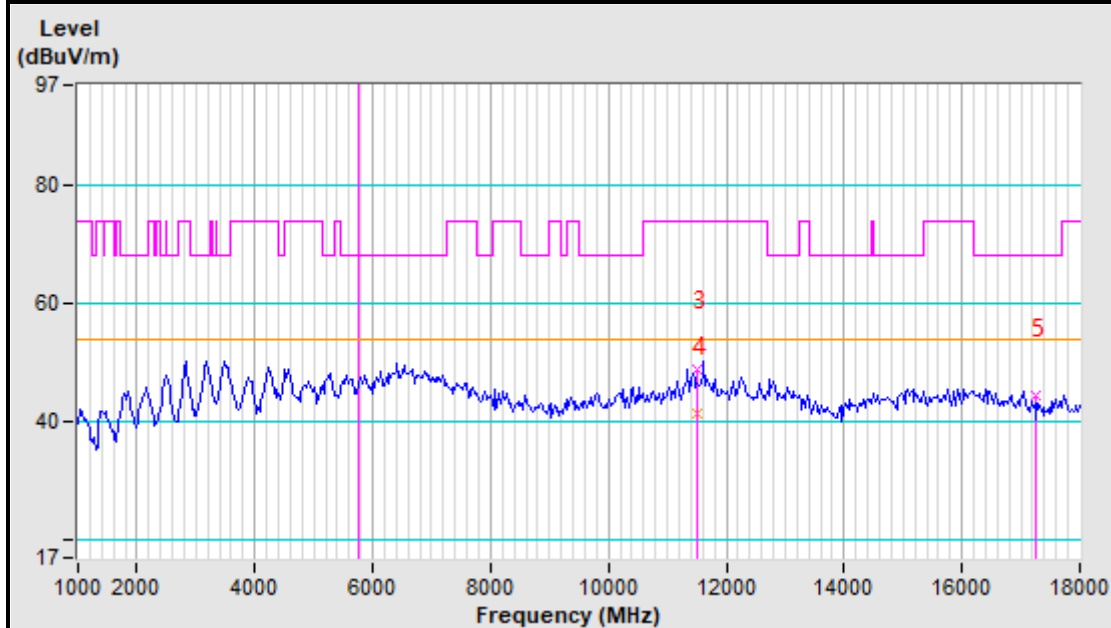
5755MHz Horizontal



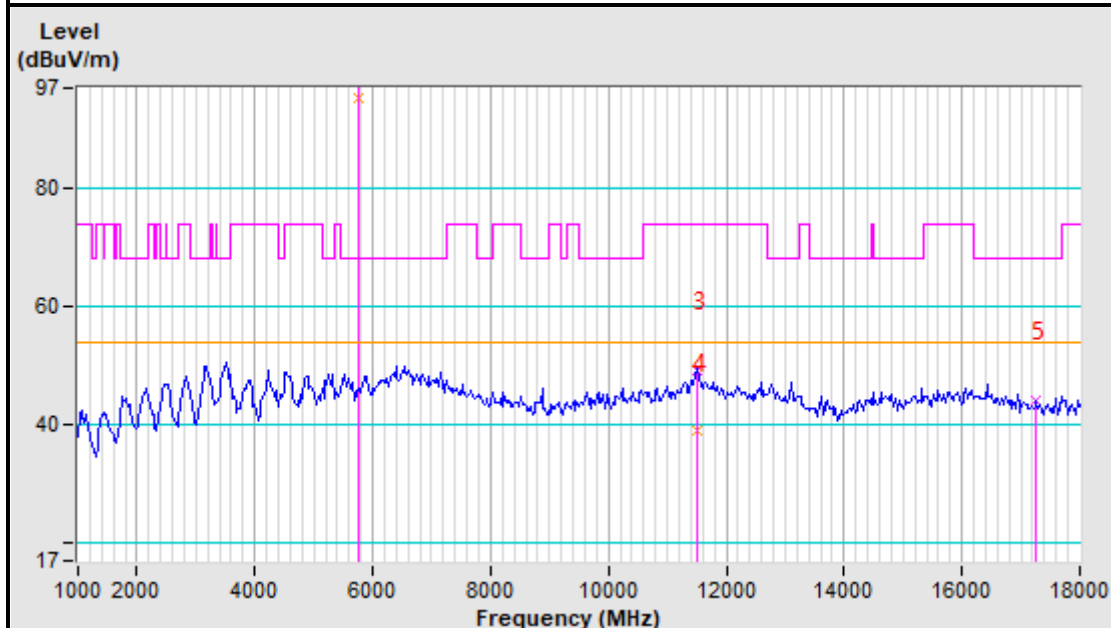
5755MHz Vertical



5755MHz Horizontal

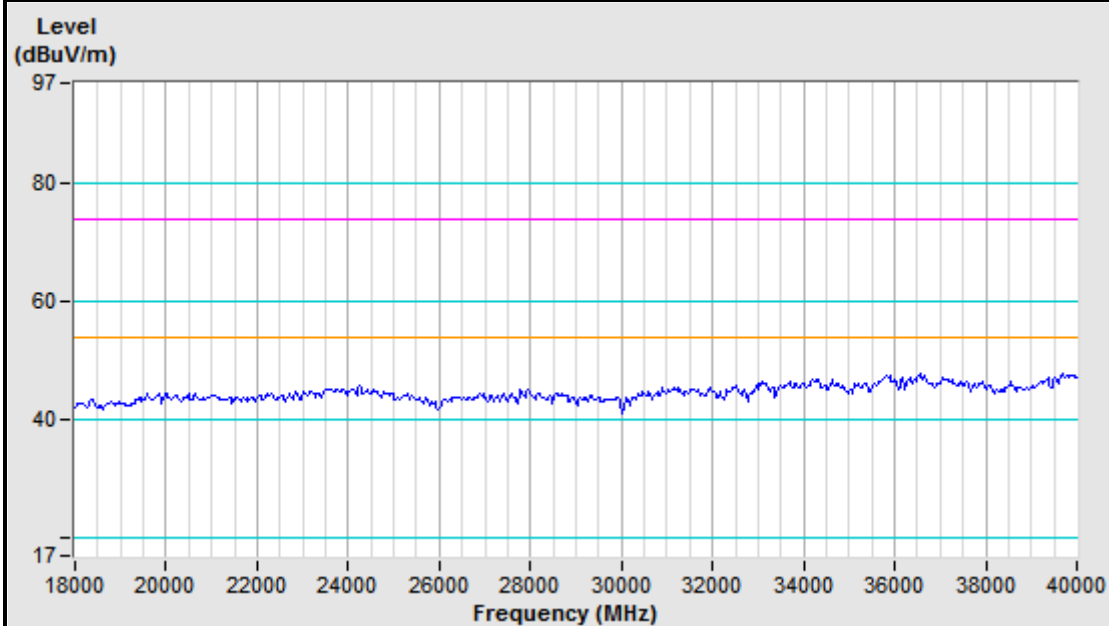


5755MHz Vertical

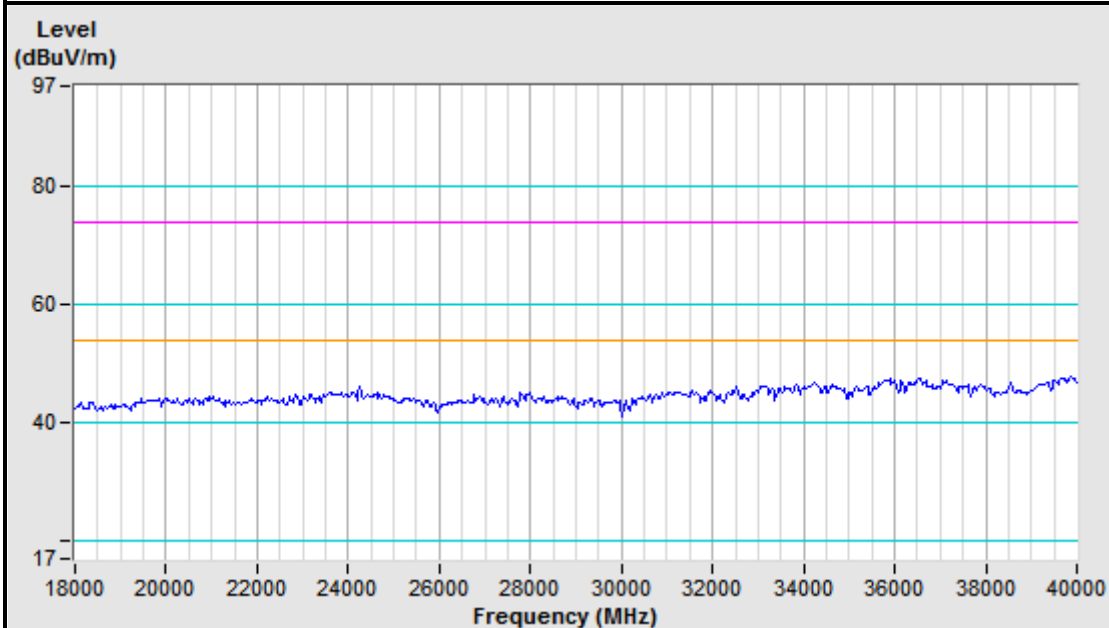


Note: When the harmonic frequency test a fundamental frequency filter is used.

5755MHz Horizontal



5755MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

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

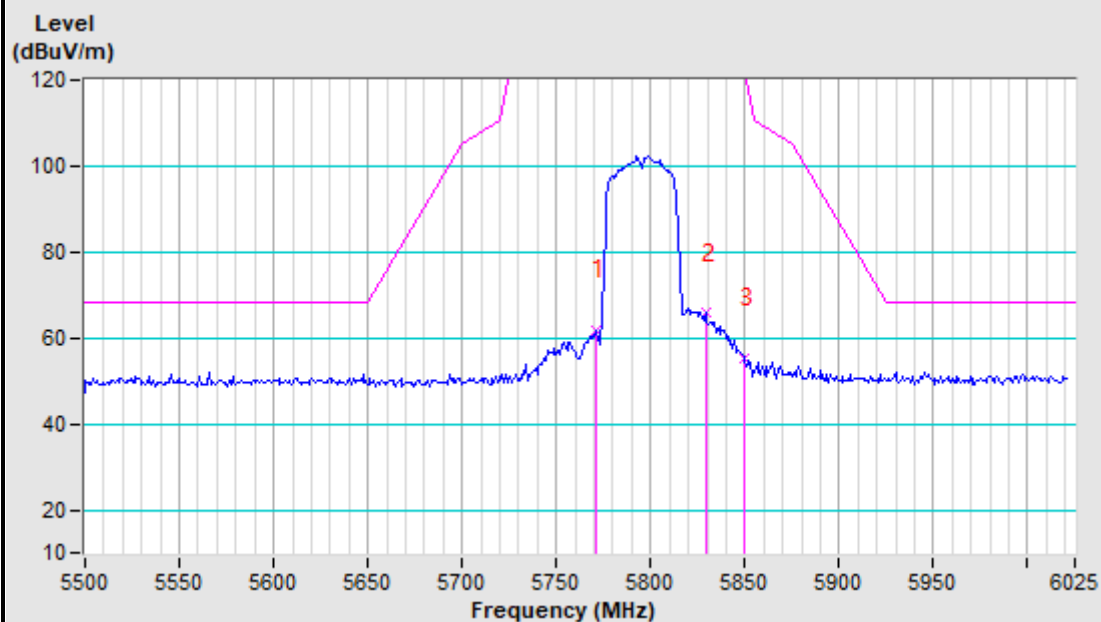
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5770.91	61.68 PK	152.20	-90.52	1.00 H	256	54.83	6.85
2	*5795.00	102.21 PK			1.56 H	5	95.30	6.91
3	*5795.00	95.16 AV			1.56 H	5	88.25	6.91
4	#5828.97	65.76 PK	152.20	-86.44	1.00 H	256	58.77	6.99
5	#5850.00	55.12 PK	122.20	-67.08	2.35 H	156	48.08	7.04
6	11590.00	48.13 PK	74.00	-25.87	2.35 H	45	39.72	8.41
7	11590.00	40.08 AV	54.00	-13.92	2.35 H	45	31.67	8.41
8	#17385.00	43.09 PK	68.20	-25.11	2.35 H	45	38.96	4.13
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5756.61	56.18 PK	152.20	-96.02	1.00 V	0	49.36	6.82
2	*5795.00	103.17 PK			2.35 V	45	96.26	6.91
3	*5795.00	97.23 AV			2.35 V	45	90.32	6.91
4	#5823.92	63.00 PK	152.20	-89.20	1.00 V	0	56.03	6.97
5	#5850.00	51.63 PK	122.20	-70.57	1.56 V	3	44.59	7.04
6	11590.00	49.29 PK	74.00	-24.71	1.56 V	54	40.88	8.41
7	11590.00	40.38 AV	54.00	-13.62	1.56 V	54	31.97	8.41
8	#17385.00	44.08 PK	68.20	-24.12	2.35 V	45	39.95	4.13

REMARKS:

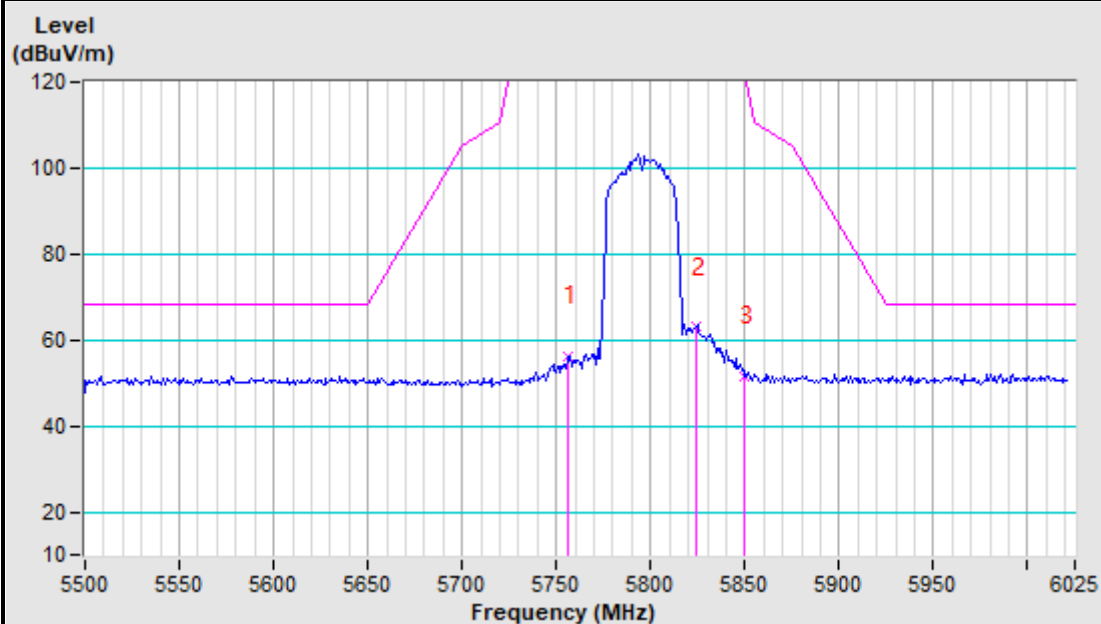
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.
6. " # " : The radiated frequency is out of the restricted band.

Band edge Plot

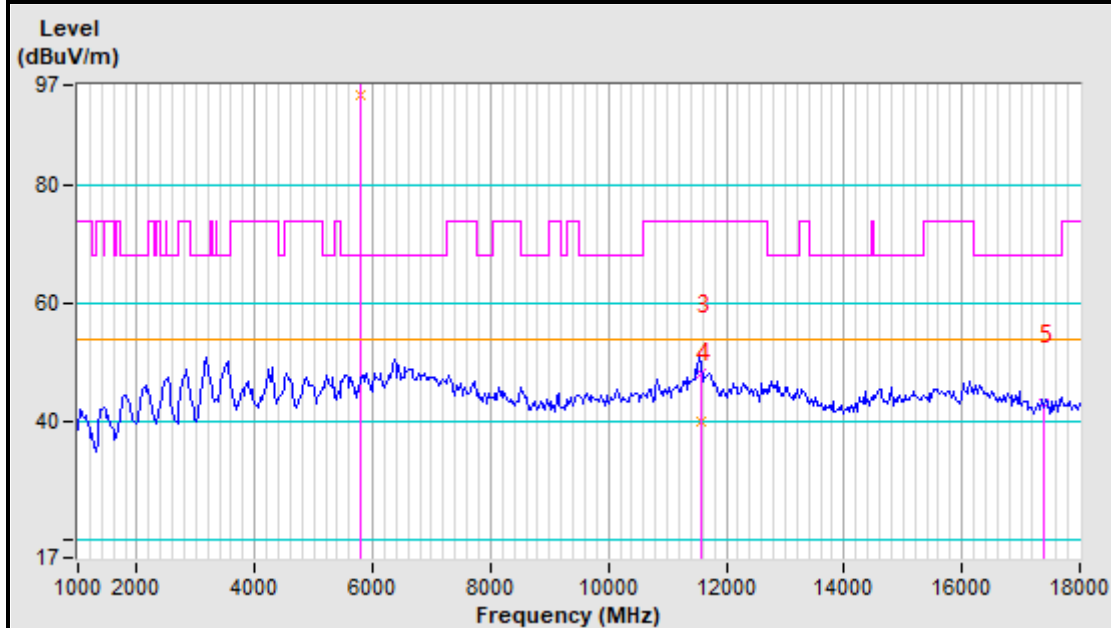
5795MHz Horizontal



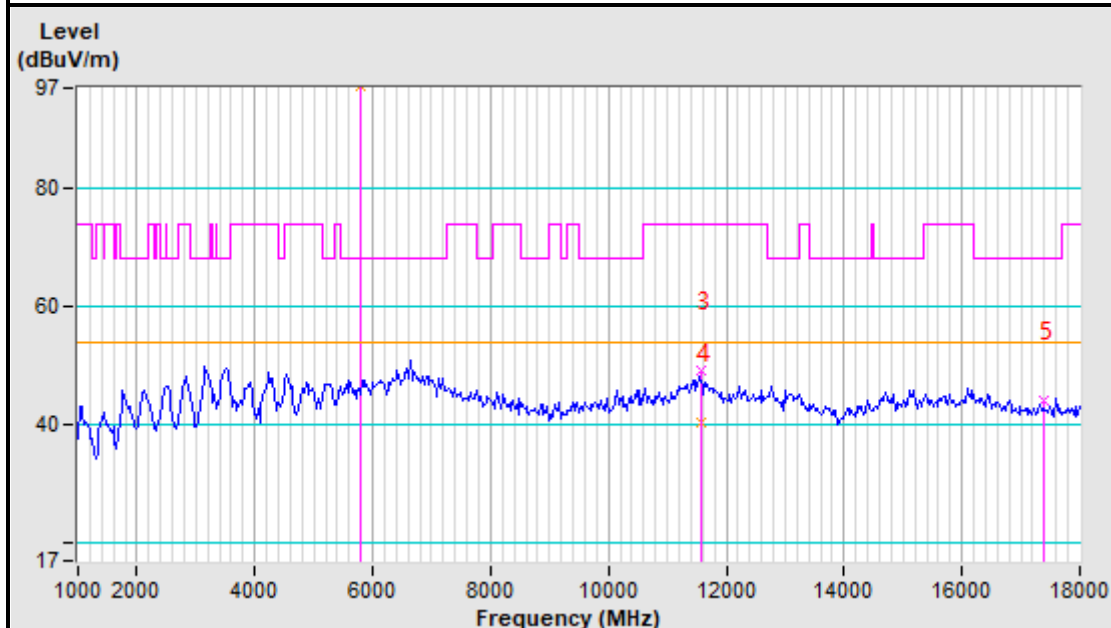
5795MHz Vertical



5795MHz Horizontal

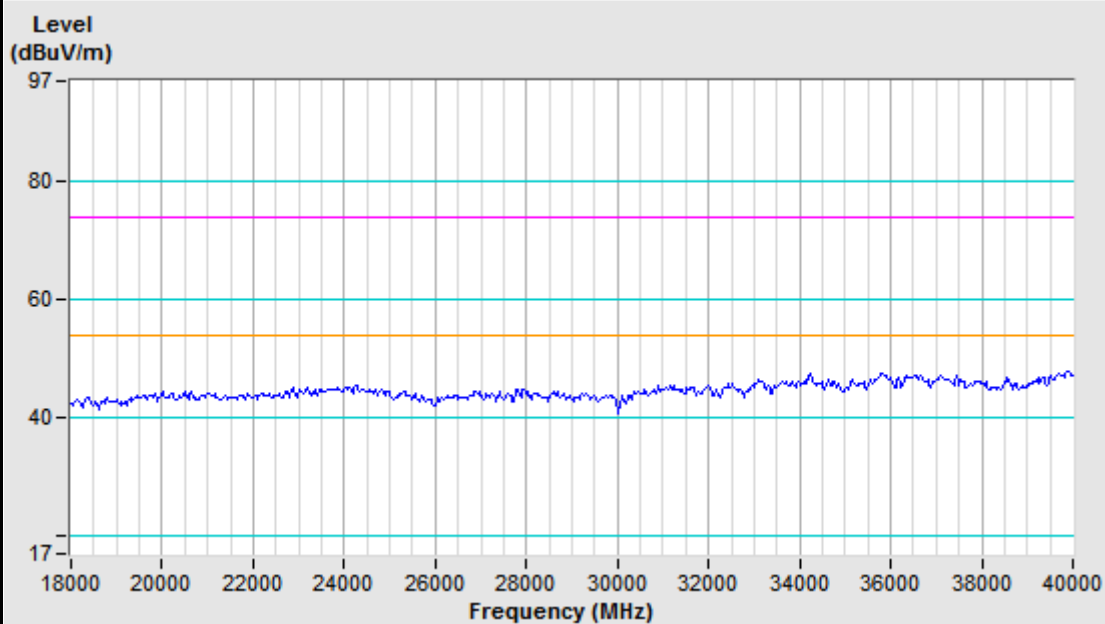


5795MHz Vertical

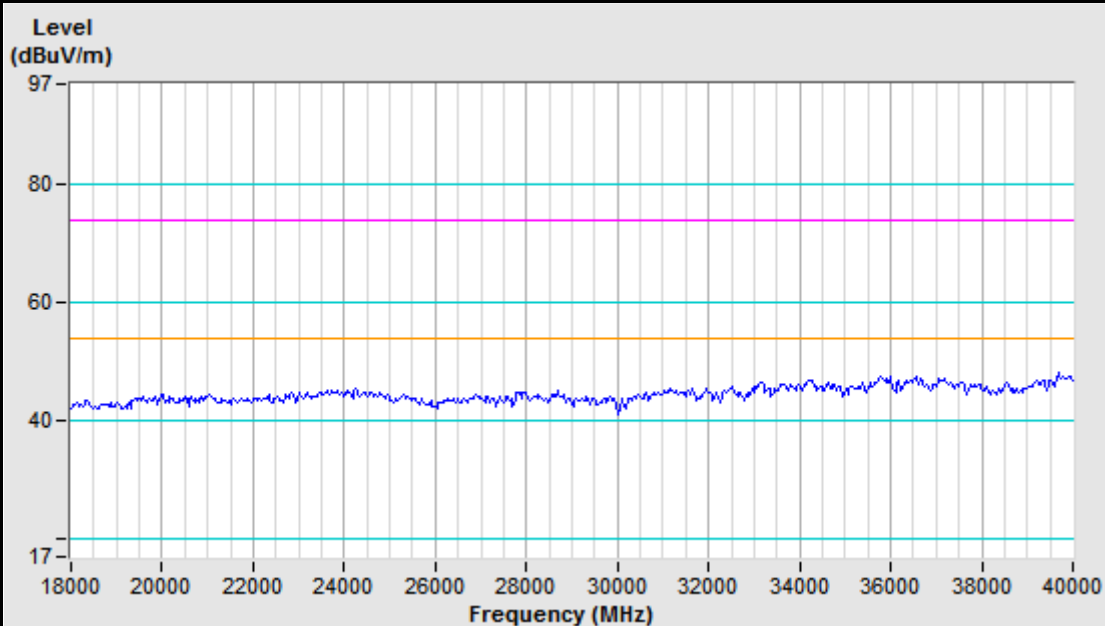


Note: When the harmonic frequency test a fundamental frequency filter is used.

5795MHz Horizontal



5795MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

802.11ac 80MHz

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

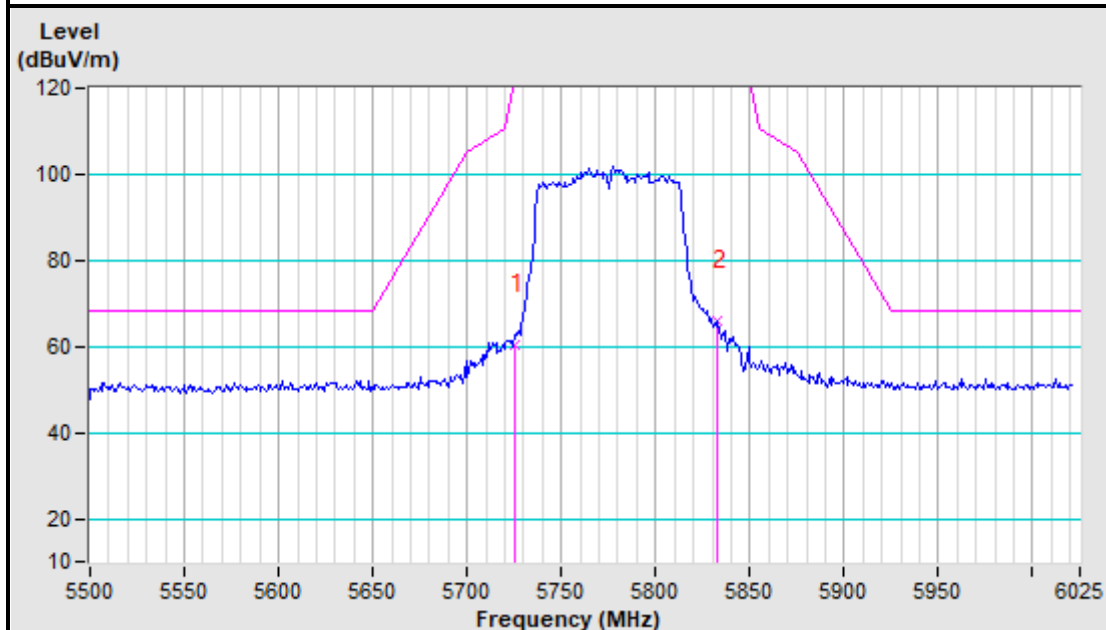
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5725.00	60.32 PK	122.20	-61.88	1.56 H	6	53.57	6.75
2	*5775.00	101.57 PK			1.56 H	5	94.71	6.86
3	*5775.00	89.23 AV			1.56 H	5	82.37	6.86
4	#5833.17	65.94 PK	152.20	-86.26	1.00 H	0	58.94	7.00
5	11550.00	50.02 PK	74.00	-23.98	1.56 H	5	41.42	8.60
6	11550.00	38.87 AV	54.00	-15.13	1.56 H	5	30.27	8.60
7	#17325.00	44.33 PK	68.20	-23.87	2.35 H	5	40.15	4.18
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	#5725.00	54.35 PK	122.20	-67.85	1.56 V	3	47.60	6.75
2	*5775.00	98.32 PK			2.35 V	56	91.46	6.86
3	*5775.00	88.42 AV			2.35 V	56	81.56	6.86
4	#5825.60	66.27 PK	152.20	-85.93	1.00 V	258	59.29	6.98
5	11550.00	50.23 PK	74.00	-23.77	1.56 V	5	41.63	8.60
6	11550.00	38.20 AV	54.00	-15.80	1.56 V	5	29.60	8.60
7	#17325.00	44.87 PK	68.20	-23.33	2.35 V	54	40.69	4.18

REMARKS:

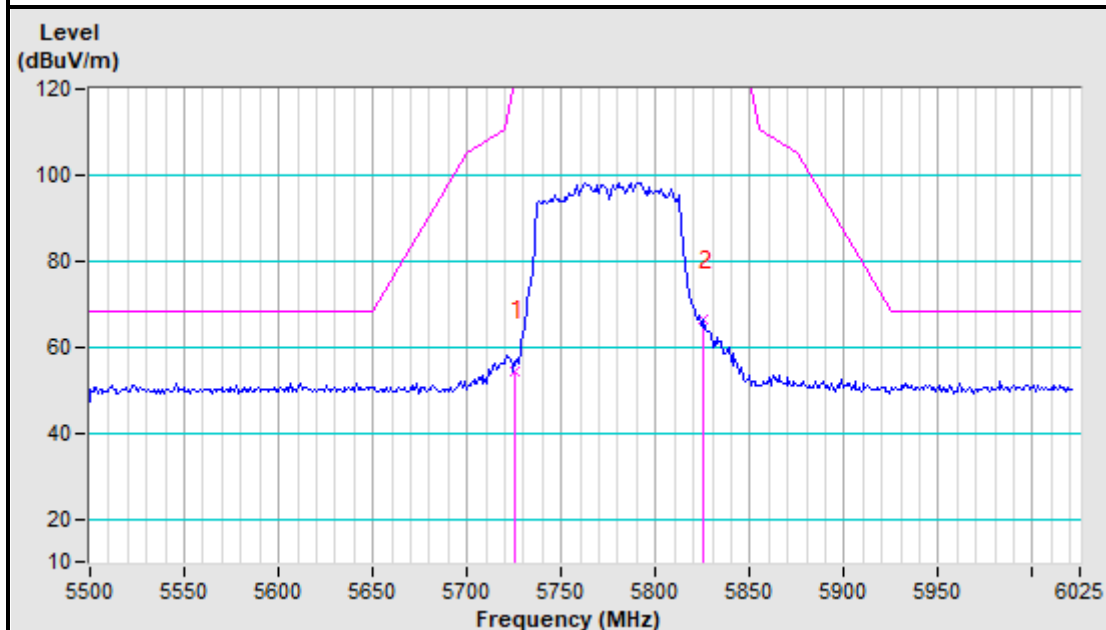
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Band edge Plot

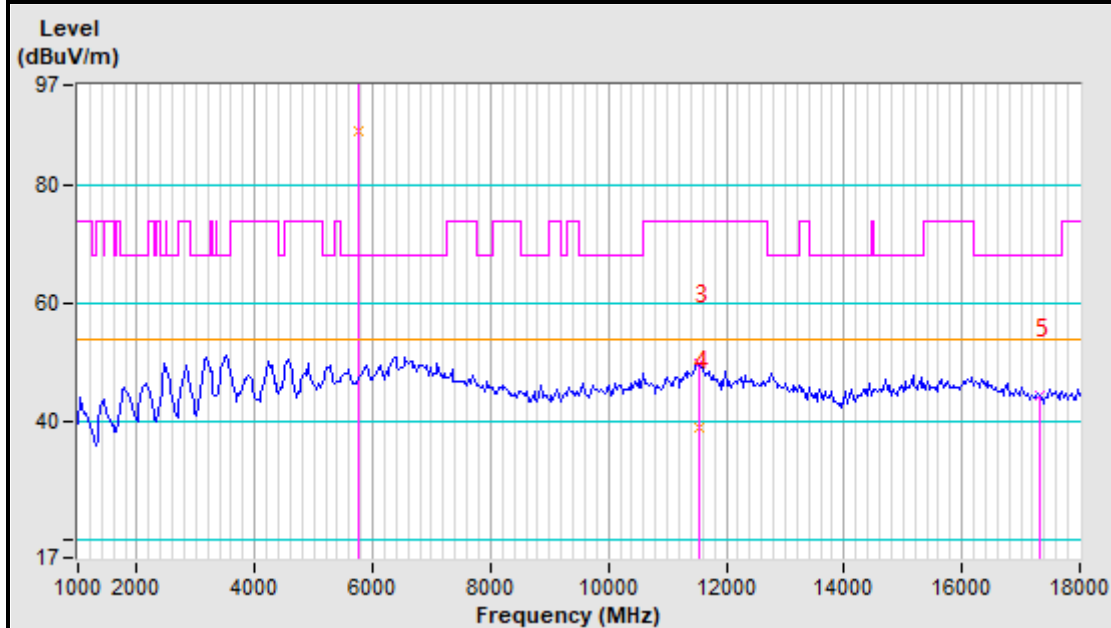
5775MHz Horizontal



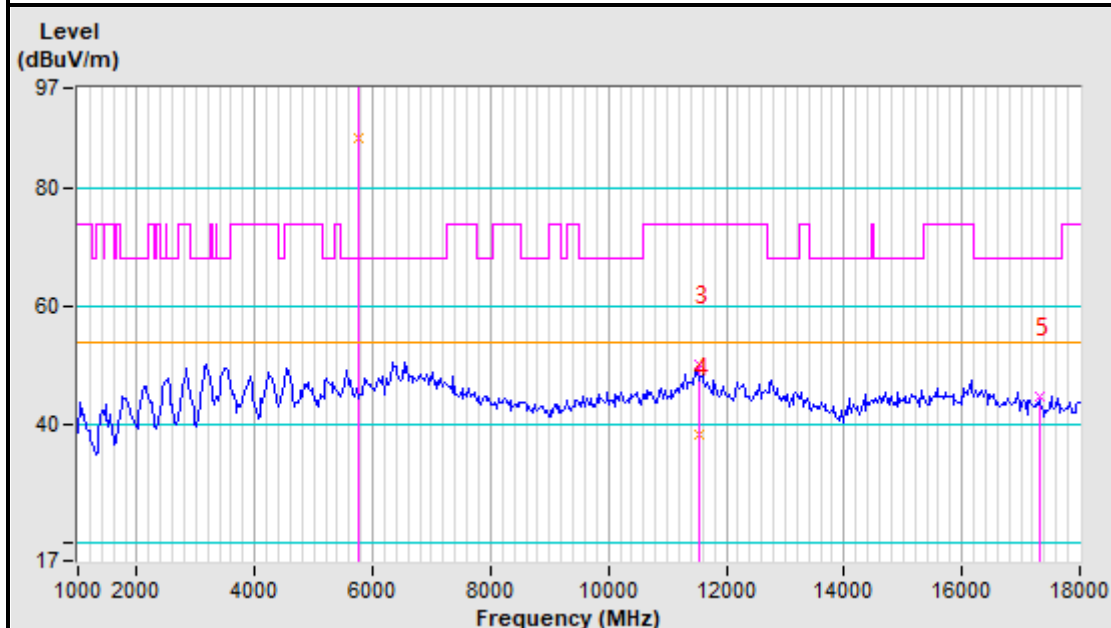
5795MHz Vertical



5775MHz Horizontal

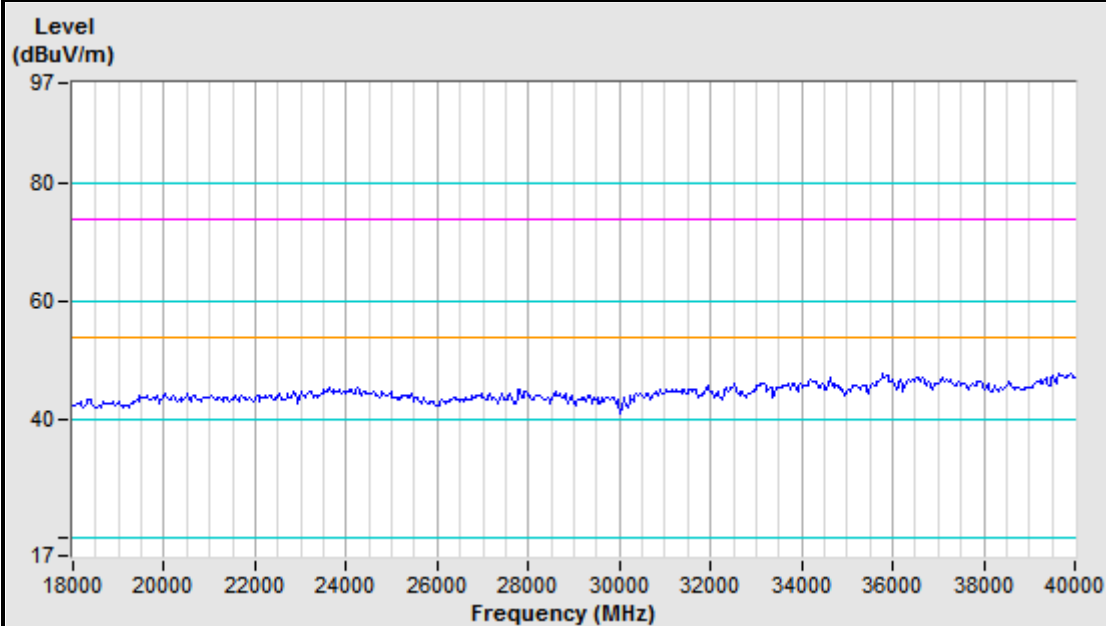


5775MHz Vertical

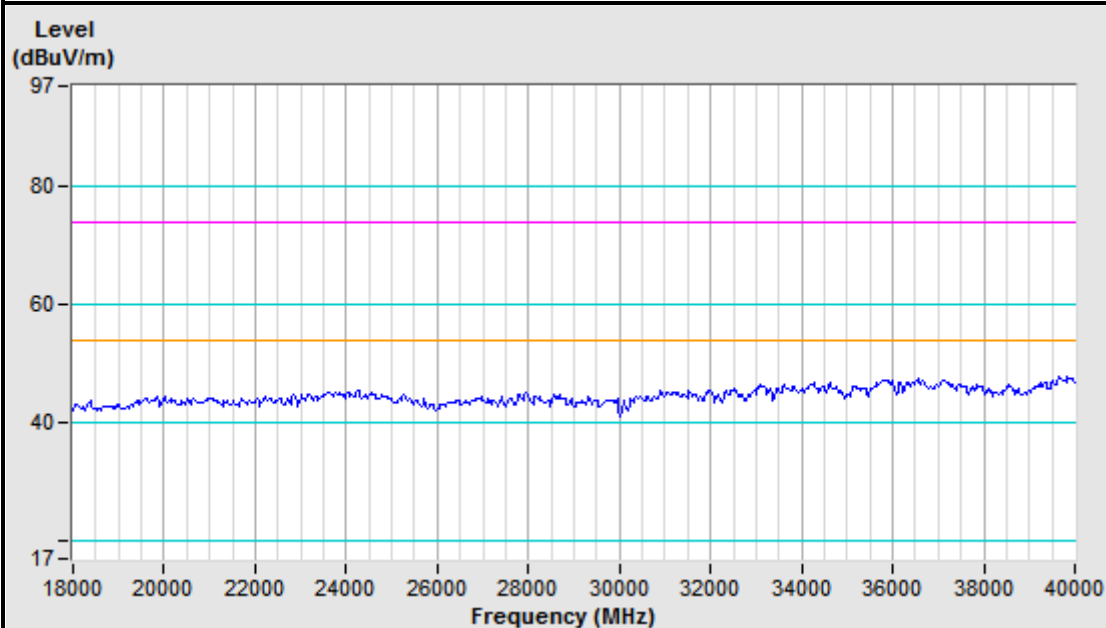


Note: When the harmonic frequency test a fundamental frequency filter is used.

5775MHz Horizontal



5775MHz Vertical



Note: When the harmonic frequency test a fundamental frequency filter is used.

4.2 CONDUCTED EMISSION MEASUREMENT

4.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dB μ V)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	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.
3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101494	Oct. 10, 26
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Oct. 10, 26
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Oct. 10, 26
Artificial Mains Network	SCHWARZBECK	NSLK 8122	8122-05001	Nov. 04, 26
V-LISN (CISPR 25)	SCHWARZBECK	NNBM 8124-200	8124-200 05857	Apr. 08, 27
V-LISN (CISPR 25)	SCHWARZBECK	NNBM 8124-200	8124-200 05858	Apr. 08, 27
Voltage probe	SCHWARZBECK	TK 9421	TK 9421-176	Jul. 02, 27
Coaxial RF Cable	SUHNER	RG 223/U-CE	C2310066DG	Jun. 21, 27
Test software	ADT	ADT Cond V7.3.7	N/A	N/A

- NOTES:** 1. The test was performed in shielded room 553.
2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.

4.2.3 TEST PROCEDURES

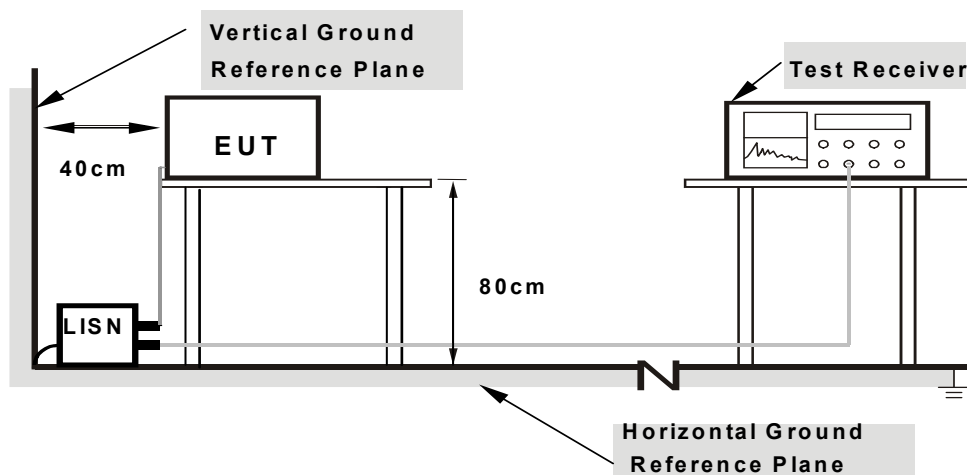
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling 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) were not recorded.

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

4.2.4 DEVIATION FROM TEST STANDARD

No deviation.

4.2.5 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

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

4.2.6 EUT OPERATING CONDITIONS

Same as 3.1.6

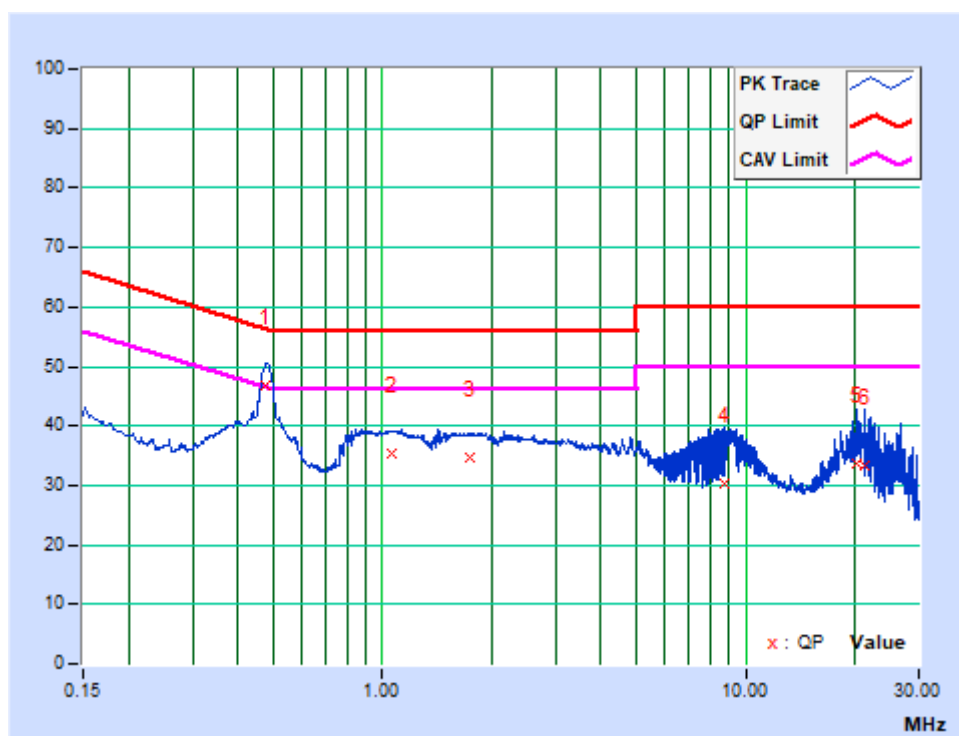
4.2.7 TEST RESULTS

CONDUCTED WORST-CASE DATA: WIFI Link

PHASE	Line	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.47635	9.79	37.11	28.03	46.90	37.82	56.40	46.40	-9.50	-8.58
2	1.05675	9.83	25.43	16.23	35.26	26.06	56.00	46.00	-20.74	-19.94
3	1.73175	9.88	24.77	15.43	34.65	25.31	56.00	46.00	-21.35	-20.69
4	8.71575	10.31	20.10	10.10	30.41	20.41	60.00	50.00	-29.59	-29.59
5	20.32125	10.67	23.01	15.50	33.68	26.17	60.00	50.00	-26.32	-23.83
6	21.17625	10.69	22.57	12.49	33.26	23.18	60.00	50.00	-26.74	-26.82

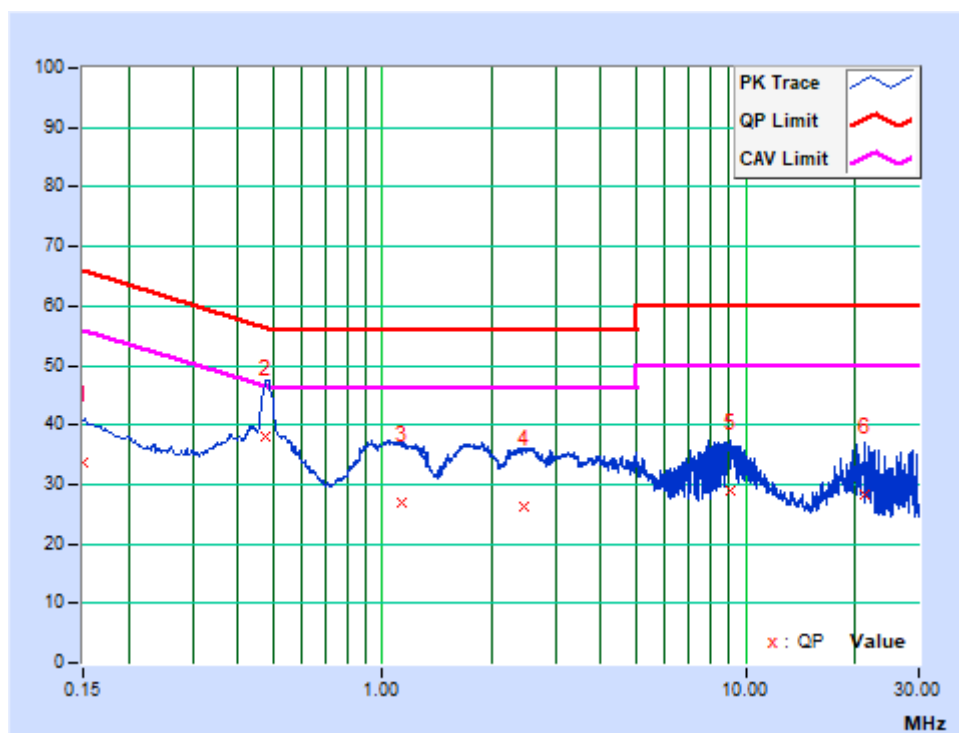
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. The emission levels of other frequencies were very low against the limit.
 3. Margin value = Emission level - Limit value
 4. Correction factor = Insertion loss + Cable loss
 5. Emission Level = Correction Factor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



PHASE	Neutral	6dB BANDWIDTH	9kHz
-------	---------	---------------	------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.63	23.95	13.02	33.58	22.65	66.00	56.00	-32.42	-33.35
2	0.47761	9.65	28.53	20.73	38.18	30.38	56.38	46.38	-18.20	-16.00
3	1.12425	9.70	17.38	8.01	27.08	17.71	56.00	46.00	-28.92	-28.29
4	2.46525	9.80	16.43	6.79	26.23	16.59	56.00	46.00	-29.77	-29.41
5	9.03975	10.27	18.68	9.59	28.95	19.86	60.00	50.00	-31.05	-30.14
6	21.17400	10.72	17.63	11.21	28.35	21.93	60.00	50.00	-31.65	-28.07

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.



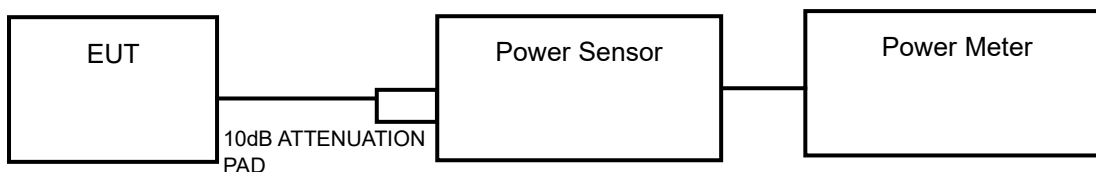
4.3 TRANSMIT POWER MEASUREMENT

4.3.1 LIMITS OF TRANSMIT POWER MEASUREMENT

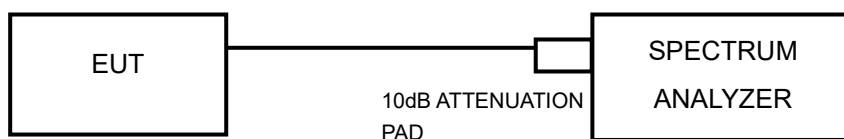
Operation Band	EUT Category		LIMIT
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p $\leq$ 125mW (21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
		Indoor Access Point	1 Watt (30 dBm)
	√	Mobile and Portable client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

NOTE: Where B is the 26dB emission bandwidth in MHz.

4.3.2 TEST SETUP



FOR 6/26dB BANDWIDTH



4.3.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
Power Sensor	Keysight	U2021XA	MY57320002	Apr. 08, 27
Digital Multimeter	FLUKE	15B	12151063	Apr. 07, 27
Humid & Temp Programmable Tester	Haida	HD-225T	110807201	Oct. 10, 26
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101003	Oct. 09, 26
Signal Generator	Agilent	N5183A	MY50140980	Jul. 02, 27
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Jul. 02, 27
Attenuator	MINI	BW-S10W2+	S130129FGE2	Jul. 02, 27
DC Source	Rohde&Schwarz	HMP2020	101295	Apr. 07, 27
Test software	ADT	ADT_RF Test Software V6.6.5.3	N/A	N/A

NOTES:

1. The test was performed in RF Test Shielded Room.
2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.

4.3.4 TEST PROCEDURE

FOR AVERAGE POWER MEASUREMENT

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

FOR 26dB BANDWIDTH

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

FOR 6dB BANDWIDTH

- 1) Set RBW = 100 kHz.
- 2) Set the video bandwidth (VBW) ≥ 3 RBW.
- 3) Detector = Peak.
- 4) Trace mode = max hold.
- 5) Sweep = No faster than coupled(auto) time.
- 6) Allow the trace to stabilize.
- 7) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

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 specific channel frequencies individually.

4.3.7 TEST RESULTS

OUTPUT POWER:

802.11a

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)		AVG. CONDUCTED POWER (mW)		Total Max. power output		LIMIT (dBm)	PASS /FAIL
		Chain 0	Chain 1	Chain 0	Chain 1	mW	dBm		
36	5180	12.86	14.45	19.320	27.861	/	/	24.00	PASS
40	5200	12.54	14.24	17.947	26.546	/	/	24.00	PASS
48	5240	13.50	14.93	22.387	31.117	/	/	24.00	PASS
52	5260	12.76	14.95	18.880	31.261	/	/	23.64	PASS
60	5300	12.71	14.75	18.664	29.854	/	/	23.64	PASS
64	5320	12.58	14.65	18.113	29.174	/	/	23.64	PASS
100	5500	14.36	14.51	27.290	28.249	/	/	23.64	PASS
116	5580	14.43	14.60	27.733	28.840	/	/	23.64	PASS
140	5700	14.40	14.13	27.542	25.882	/	/	23.64	PASS
149	5745	14.75	14.12	29.854	25.823	/	/	30.00	PASS
157	5785	14.73	14.38	29.717	27.416	/	/	30.00	PASS
165	5825	14.83	14.61	30.409	28.907	/	/	30.00	PASS

Chain 0:

For Band 2~Band 3: Limit = 11dBm+10log(26 BW)=11+10log(18.36)=23.64dBm < 24dBm

18.36MHz Calculated results correspond to the worst limiting results.

Chain 1:

For Band 2~Band 3: Limit = 11dBm+10log(26 BW)=11+10log(18.35)=23.64dBm < 24dBm

18.35MHz Calculated results correspond to the worst limiting results.

802.11n (20MHz)

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)		AVG. CONDUCTED POWER (mW)		Total Max. power output		LIMIT (dBm)	PASS /FAIL
		Chain 0	Chain 1	Chain 0	Chain 1	mW	dBm		
36	5180	9.52	11.28	8.954	13.428	22.382	13.50	22.01	PASS
40	5200	9.38	11.03	8.670	12.677	21.347	13.29	22.01	PASS
48	5240	10.08	11.85	10.186	15.311	25.497	14.06	22.01	PASS
52	5260	9.98	11.82	9.954	15.205	25.159	14.01	21.86	PASS
60	5300	9.89	11.62	9.750	14.521	24.271	13.85	21.86	PASS
64	5320	9.85	11.52	9.661	14.191	23.852	13.78	21.86	PASS
100	5500	10.75	10.95	11.885	12.445	24.33	13.86	21.86	PASS
116	5580	10.89	10.74	12.274	11.858	24.132	13.83	21.86	PASS
140	5700	10.58	10.52	11.429	11.272	22.701	13.56	21.86	PASS
149	5745	11.18	10.45	13.122	11.092	24.214	13.84	28.01	PASS
157	5785	11.31	10.75	13.521	11.885	25.406	14.05	28.01	PASS
165	5825	11.24	11.08	13.305	12.823	26.128	14.17	28.01	PASS

For Band 2~Band 3: Limit = 11dBm+10log(26 BW)=11+10log(19.26)=23.85dBm < 24dBm

19.26MHz Calculated results correspond to the worst limiting results.

Notes: Directional gain= 4.98 + 10*log(2) =7.99dBi, more than 6dBi, so the power limit needs to reduce (7.99-6=1.99) dB.

802.11n (40MHz)

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)		AVG. CONDUCTED POWER (mW)		Total Max. power output		LIMIT (dBm)	PASS /FAIL
		Chain 0	Chain 1	Chain 0	Chain 1	mW	dBm		
38	5190	10.88	12.64	12.246	18.365	30.611	14.86	22.01	PASS
46	5230	10.68	12.51	11.695	17.824	29.519	14.70	22.01	PASS
54	5270	10.25	12.38	10.593	17.298	27.891	14.45	22.01	PASS
62	5310	10.28	12.48	10.666	17.701	28.367	14.53	22.01	PASS
102	5510	9.98	11.98	9.954	15.776	25.73	14.10	22.01	PASS
110	5550	10.08	12.43	10.186	17.498	27.684	14.42	22.01	PASS
134	5670	10.68	11.81	11.695	15.171	26.866	14.29	22.01	PASS
151	5755	10.68	11.85	11.695	15.311	27.006	14.31	28.01	PASS
159	5795	10.61	12.15	11.508	16.406	27.914	14.46	28.01	PASS

For Band 2~Band 3: Limit = 11dBm+10log(26 BW)=11+10log(39.41)=26.96dBm > 24dBm

39.41MHz Calculated results correspond to the worst limiting results.

Notes: Directional gain= 4.98 + 10*log(2) =7.99dBi, more than 6dBi, so the power limit needs to reduce (7.99-6=1.99) dB.

802.11ac (80MHz)

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)		AVG. CONDUCTED POWER (mW)		Total Max. power output		LIMIT (dBm)	PASS /FAIL
		Chain 0	Chain 1	Chain 0	Chain 1	mW	dBm		
42	5210	9.92	11.45	9.817	13.964	23.781	13.76	22.01	PASS
58	5290	9.08	11.24	8.091	13.305	21.396	13.30	22.01	PASS
106	5530	9.15	10.98	8.222	12.531	20.753	13.17	22.01	PASS
155	5775	10.58	11.73	11.429	14.894	26.323	14.20	28.01	PASS

For Band 2~Band 3: Limit = 11dBm+10log(26 BW)=11+10log(85.53)=30.32dBm > 24dBm

85.53MHz Calculated results correspond to the worst limiting results.

Notes: Directional gain= 4.98 + 10*log(2) =7.99dBi, more than 6dBi, so the power limit needs to reduce (7.99-6=1.99) dB.



BUREAU
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Test Report No.: RF2606WDG0092-3

802.11ax (20MHz)

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)		AVG. CONDUCTED POWER (mW)		Total Max. power output		LIMIT (dBm)	PASS /FAIL
		Chain 0	Chain 1	Chain 0	Chain 1	mW	dBm		
36	5180	9.78	11.32	9.506	13.552	23.058	13.63	22.01	PASS
40	5200	9.81	11.25	9.572	13.335	22.907	13.60	22.01	PASS
48	5240	10.05	11.77	10.116	15.031	25.147	14.00	22.01	PASS
52	5260	9.87	11.75	9.705	14.962	24.667	13.92	21.86	PASS
60	5300	9.89	11.53	9.750	14.223	23.973	13.80	21.86	PASS
64	5320	9.68	11.46	9.290	13.996	23.286	13.67	21.86	PASS
100	5500	9.68	10.94	9.290	12.417	21.707	13.37	21.86	PASS
116	5580	9.92	10.72	9.817	11.803	21.62	13.35	21.86	PASS
140	5700	10.47	10.51	11.143	11.246	22.389	13.50	21.86	PASS
149	5745	10.13	10.34	10.304	10.814	21.118	13.25	28.01	PASS
157	5785	10.45	10.36	11.092	10.864	21.956	13.42	28.01	PASS
165	5825	10.58	10.86	11.429	12.190	23.619	13.73	28.01	PASS

For Band 2~Band 3: Limit: Same as 802.11n (20MHz)

Notes: Directional gain= $4.98 + 10 \cdot \log(2) = 7.99\text{dBi}$, more than 6dBi, so the power limit needs to reduce ($7.99-6=1.99$) dB.

802.11ax (40MHz)

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)		AVG. CONDUCTED POWER (mW)		Total Max. power output		LIMIT (dBm)	PASS /FAIL
		Chain 0	Chain 1	Chain 0	Chain 1	mW	dBm		
38	5190	9.08	10.68	8.091	11.695	19.786	12.96	22.01	PASS
46	5230	8.95	10.42	7.852	11.015	18.867	12.76	22.01	PASS
54	5270	8.89	11.03	7.745	12.677	20.422	13.10	22.01	PASS
62	5310	9.08	11.18	8.091	13.122	21.213	13.27	22.01	PASS
102	5510	9.21	10.92	8.337	12.359	20.696	13.16	22.01	PASS
110	5550	9.26	11.45	8.433	13.964	22.397	13.50	22.01	PASS
134	5670	9.56	10.96	9.036	12.474	21.51	13.33	22.01	PASS
151	5755	9.58	11.23	9.078	13.274	22.352	13.49	28.01	PASS
159	5795	9.78	10.08	9.506	10.186	19.692	12.94	28.01	PASS

For Band 2~Band 3: Limit: Same as 802.11n (40MHz)

Notes: Directional gain= $4.98 + 10 \cdot \log(2) = 7.99\text{dBi}$, more than 6dBi, so the power limit needs to reduce ($7.99-6=1.99$) dB.

802.11ax (80MHz)

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)		AVG. CONDUCTED POWER (mW)		Total Max. power output		LIMIT (dBm)	PASS /FAIL
		Chain 0	Chain 1	Chain 0	Chain 1	mW	dBm		
42	5210	9.12	10.68	8.166	11.695	19.861	12.98	22.01	PASS
58	5290	8.32	10.54	6.792	11.324	18.116	12.58	22.01	PASS
106	5530	8.38	10.51	6.887	11.246	18.133	12.58	22.01	PASS
155	5775	9.86	11.38	9.683	13.740	23.423	13.70	28.01	PASS

For Band 2~Band 3: Limit: Same as 802.11ac (80MHz)

Notes: Directional gain= $4.98 + 10 \cdot \log(2) = 7.99\text{dBi}$, more than 6dBi, so the power limit needs to reduce ($7.99-6=1.99$) dB.

Remark: The above power values include duty cycle factors.

26dB BANDWIDTH:

802.11a

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)		PASS /FAIL
		Chain 0	Chain 1	
36	5180	18.39	18.42	PASS
40	5200	18.40	18.41	PASS
48	5240	18.36	18.39	PASS
52	5260	18.39	18.42	PASS
60	5300	18.36	18.41	PASS
64	5320	18.38	18.43	PASS
100	5500	18.40	18.41	PASS
116	5580	18.39	18.39	PASS
140	5700	18.36	18.35	PASS

802.11n (20MHz)

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)		PASS /FAIL
		Chain 0	Chain 1	
36	5180	19.30	19.26	PASS
40	5200	19.27	19.32	PASS
48	5240	19.26	19.33	PASS
52	5260	19.28	19.32	PASS
60	5300	19.30	19.26	PASS
64	5320	19.28	19.35	PASS
100	5500	19.30	19.30	PASS
116	5580	19.32	19.30	PASS
140	5700	19.29	19.29	PASS

802.11n (40MHz)

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)		PASS /FAIL
		Chain 0	Chain 1	
38	5190	39.47	39.43	PASS
46	5230	39.44	39.51	PASS
54	5270	39.44	39.41	PASS
62	5310	39.45	39.43	PASS
102	5510	39.53	39.50	PASS
110	5550	39.52	39.56	PASS
134	5670	39.50	39.53	PASS

802.11ac (80MHz)

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)		PASS /FAIL
		Chain 0	Chain 1	
42	5210	85.64	85.54	PASS
58	5290	85.75	85.58	PASS
106	5530	85.53	85.62	PASS

6dB BANDWIDTH For 5725-5850MHz

802.11a

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)		PASS /FAIL
		Chain 0	Chain 1	
149	5745	15.12	15.07	PASS
157	5785	15.06	15.08	PASS
165	5825	15.11	15.09	PASS

802.11n (20M)

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)		PASS /FAIL
		Chain 0	Chain 1	
149	5745	15.10	15.07	PASS
157	5785	15.09	15.11	PASS
165	5825	15.10	15.11	PASS

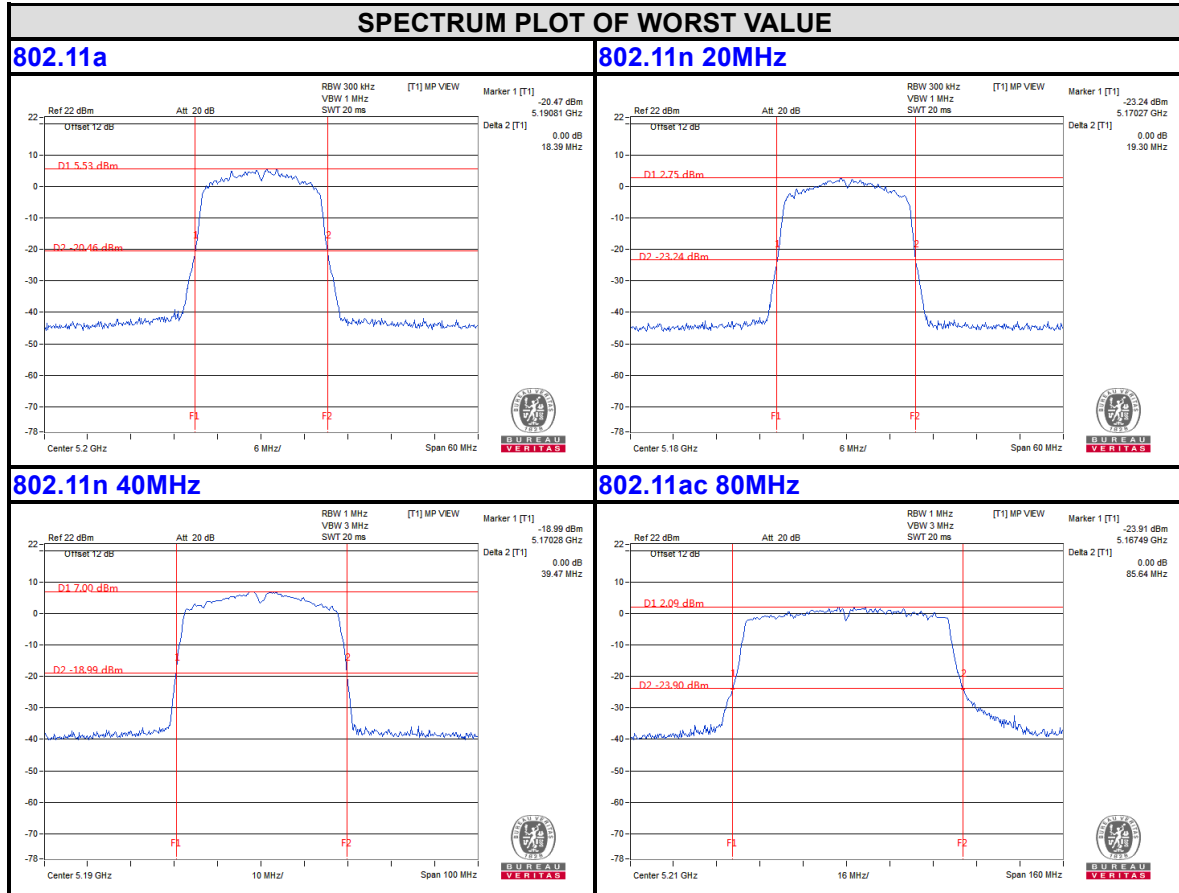
802.11n (40M)

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)		PASS /FAIL
		Chain 0	Chain 1	
151	5755	33.91	32.71	PASS
159	5795	33.91	32.73	PASS

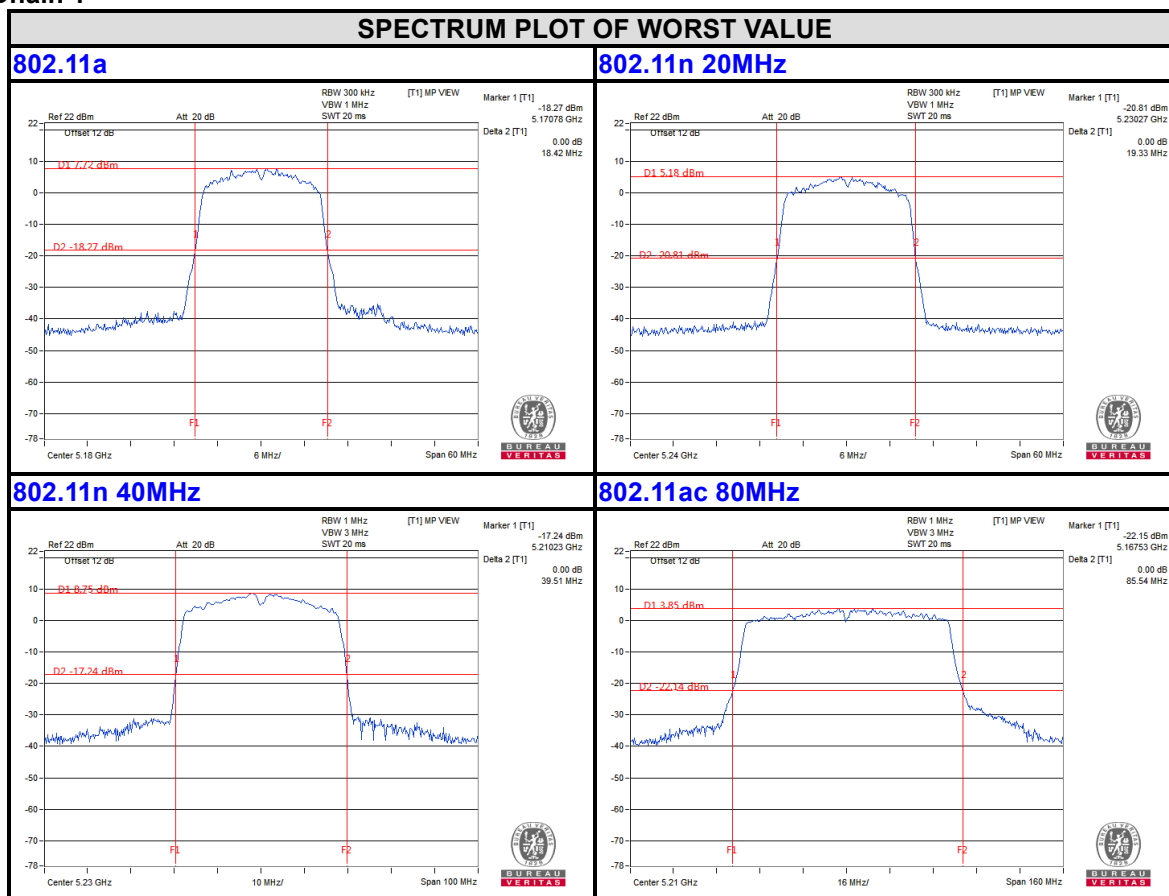
802.11ac (80MHz)

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)		PASS /FAIL
		Chain 0	Chain 1	
155	5775	75.41	75.42	PASS

**26dB bandwidth Test Plot
For 5150-5250MHz worst plot
Chain 0**

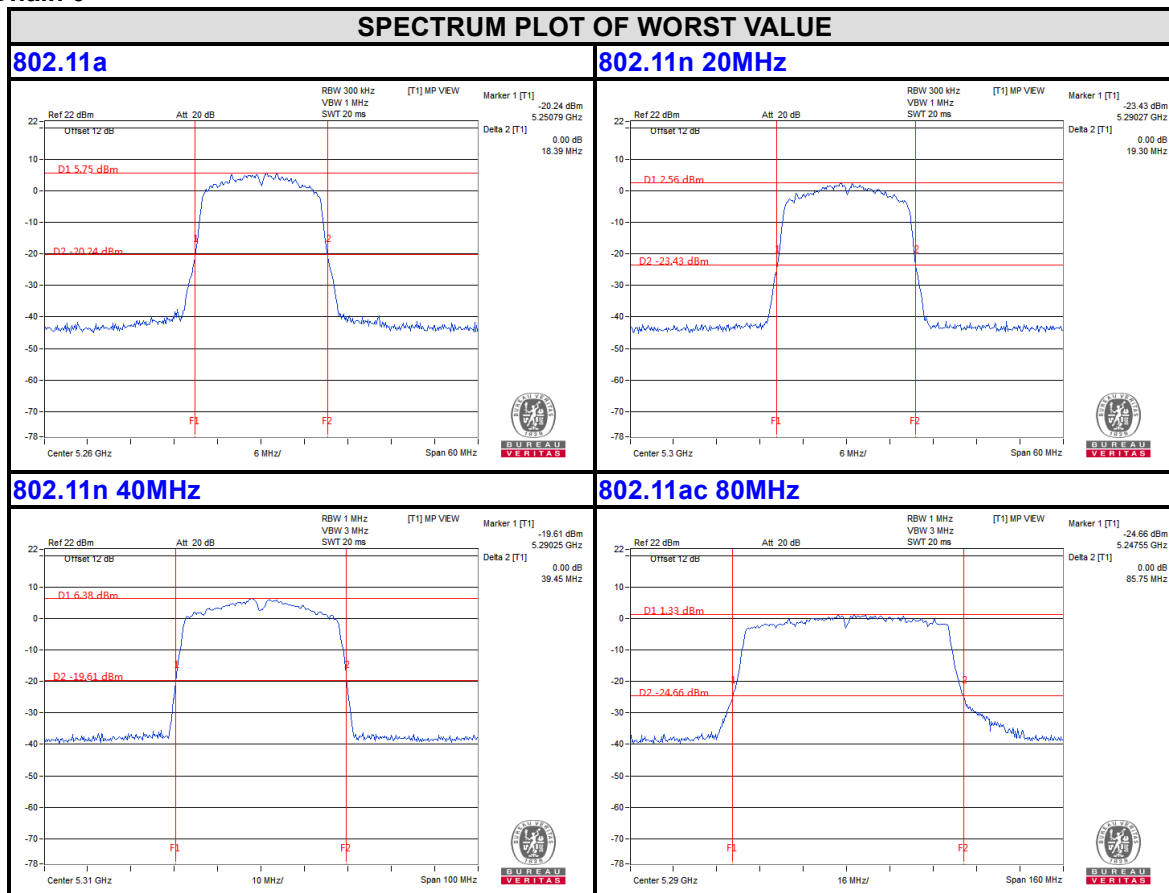


Chain 1

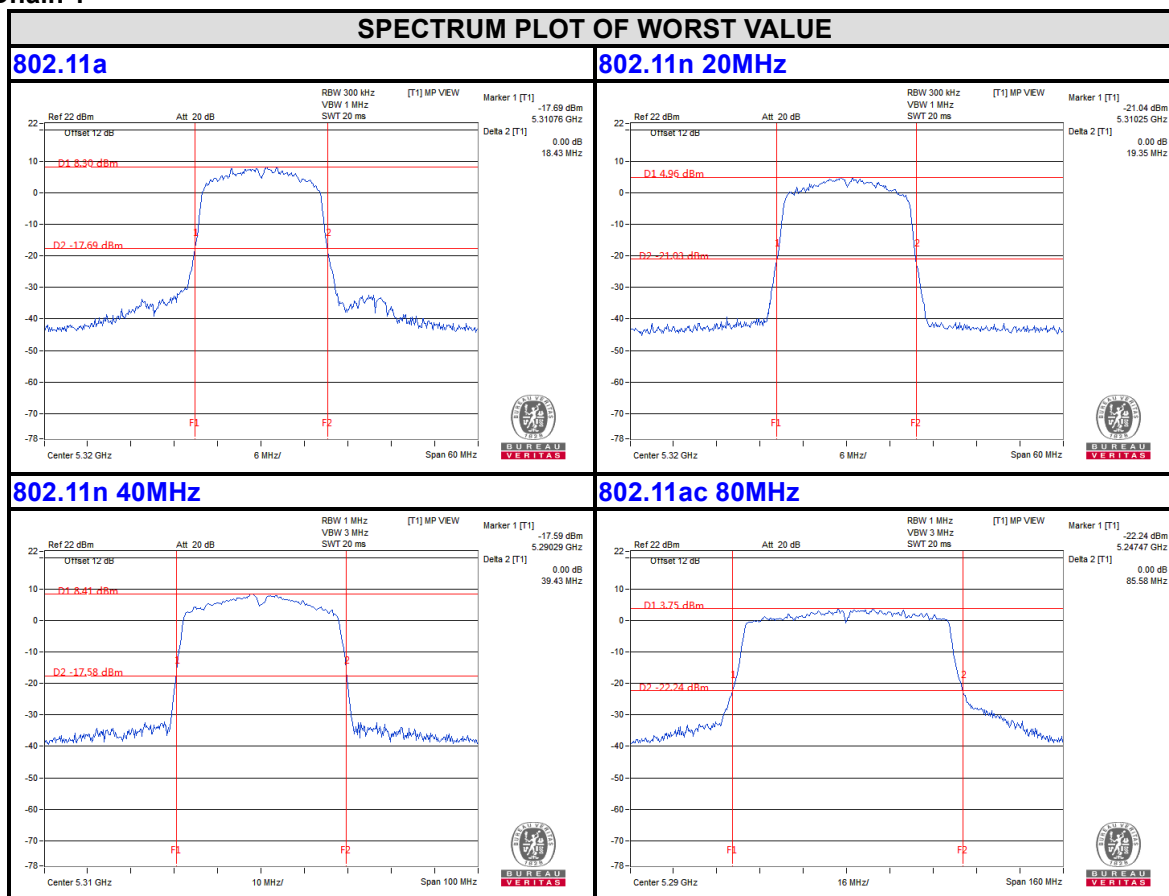


For 5250-5350MHz

Chain 0

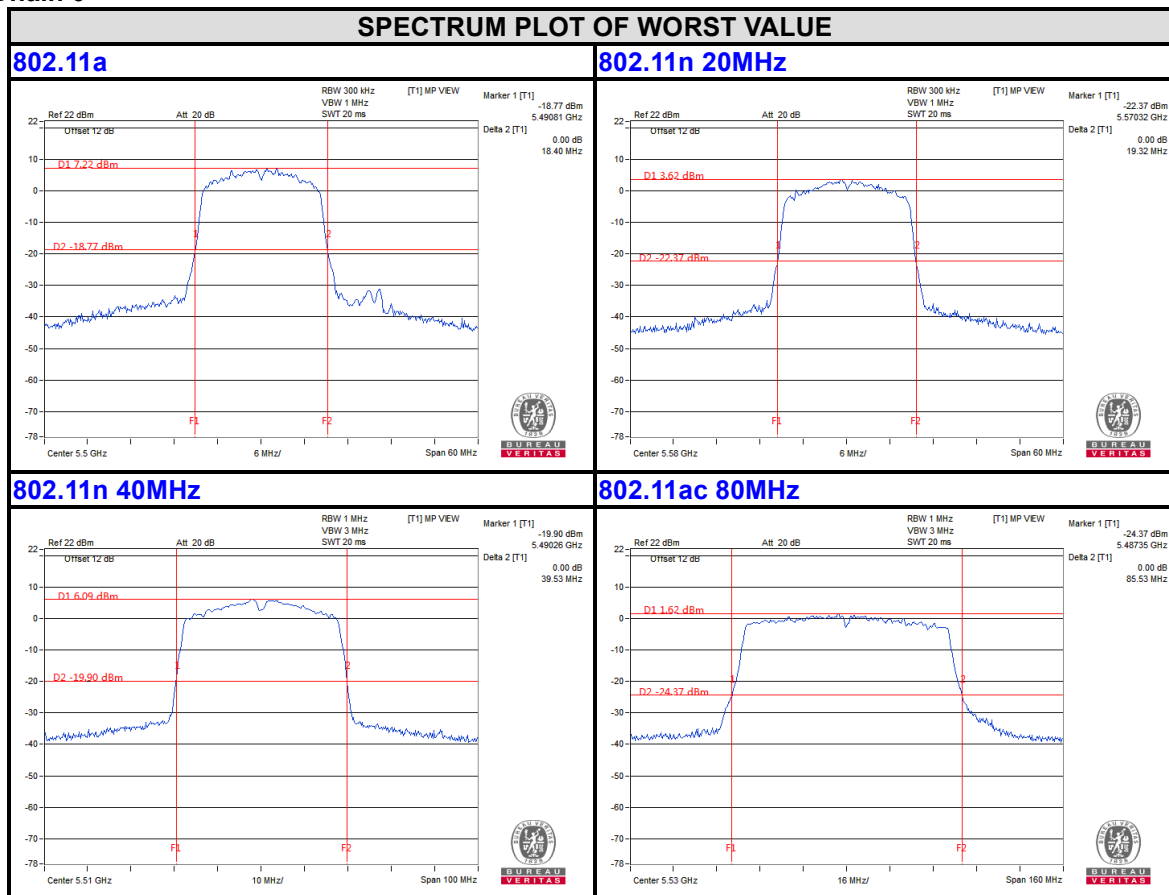


Chain 1

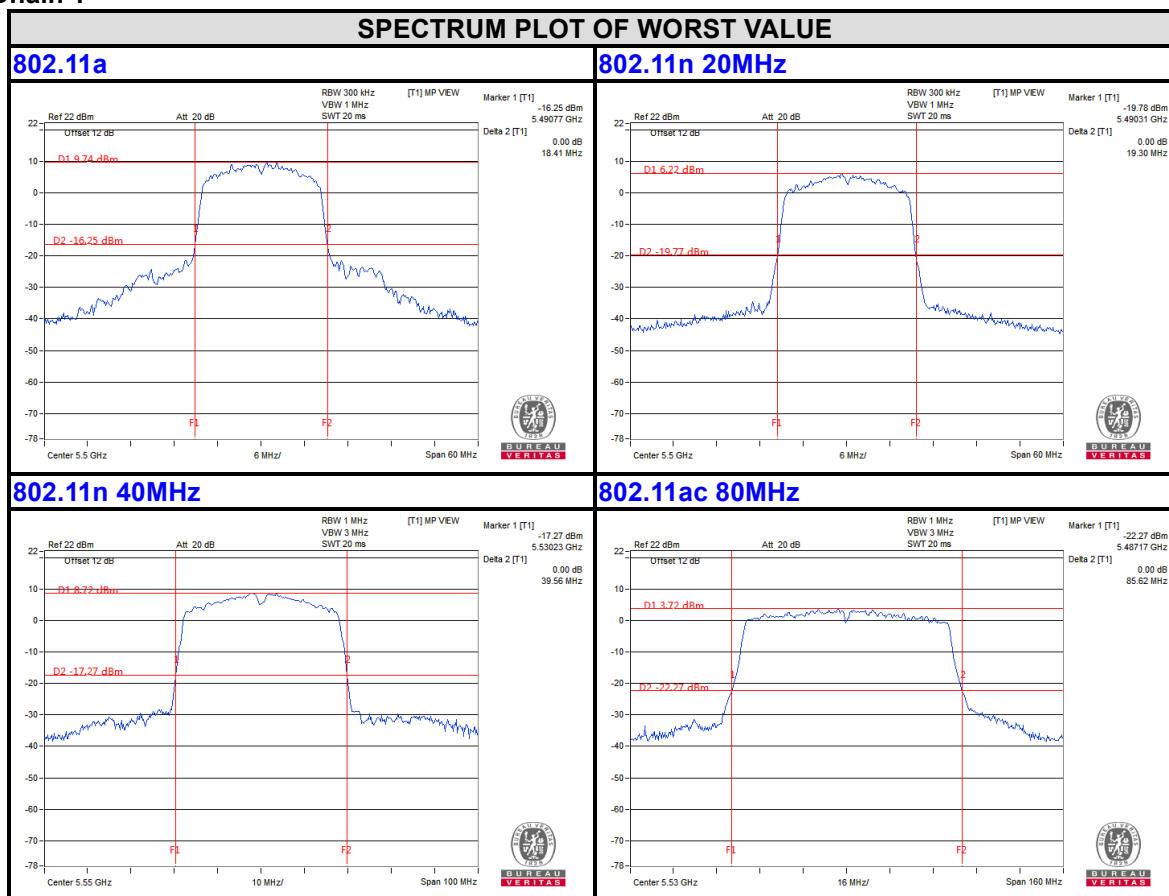


For 5470-5725MHz

Chain 0

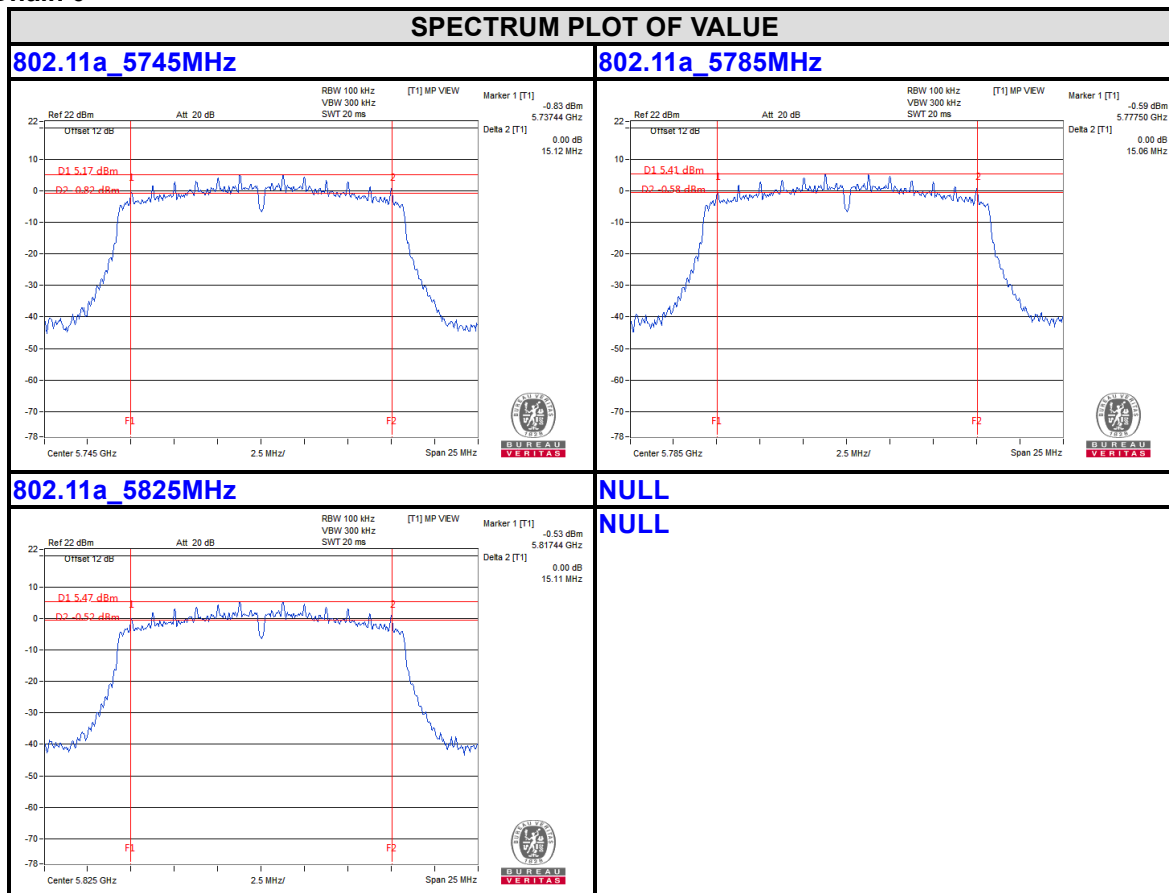


Chain 1

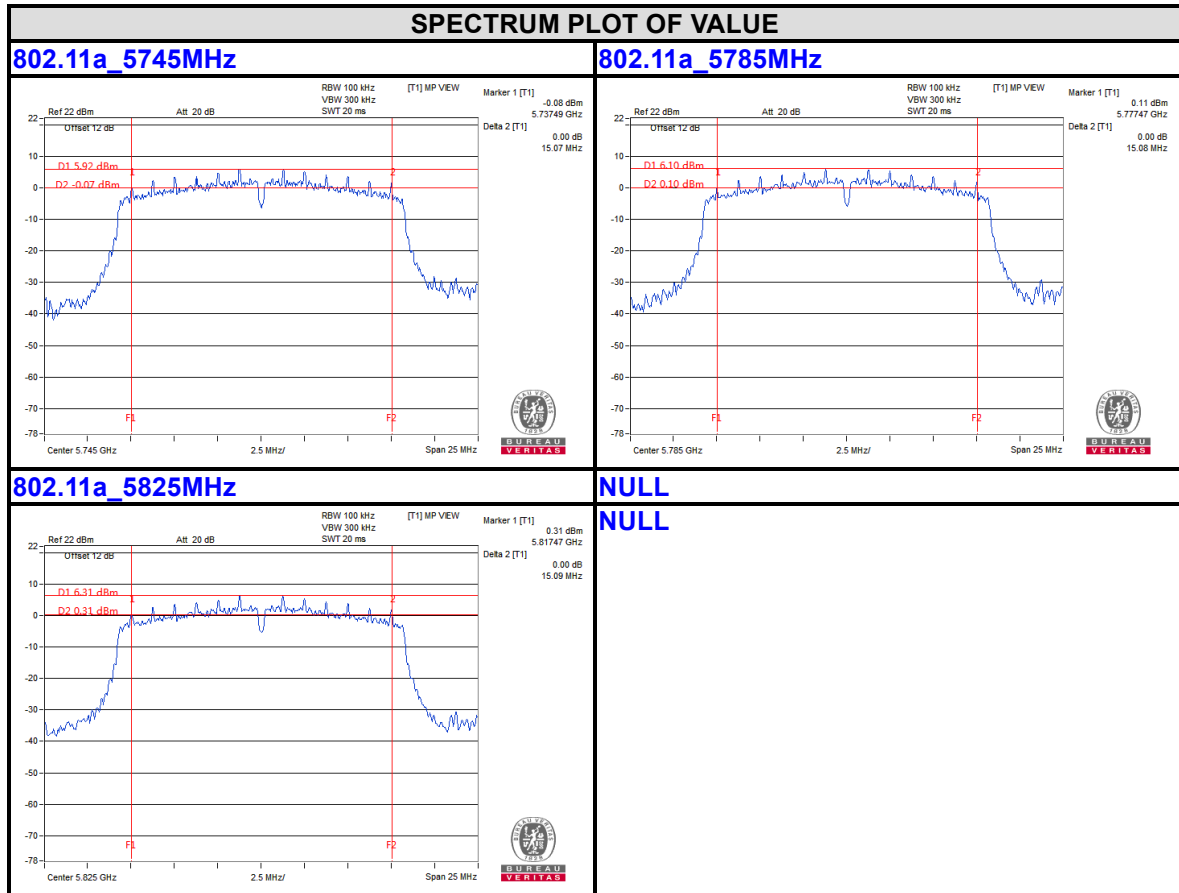


6dB BANDWIDTH For 5725-5850MHz

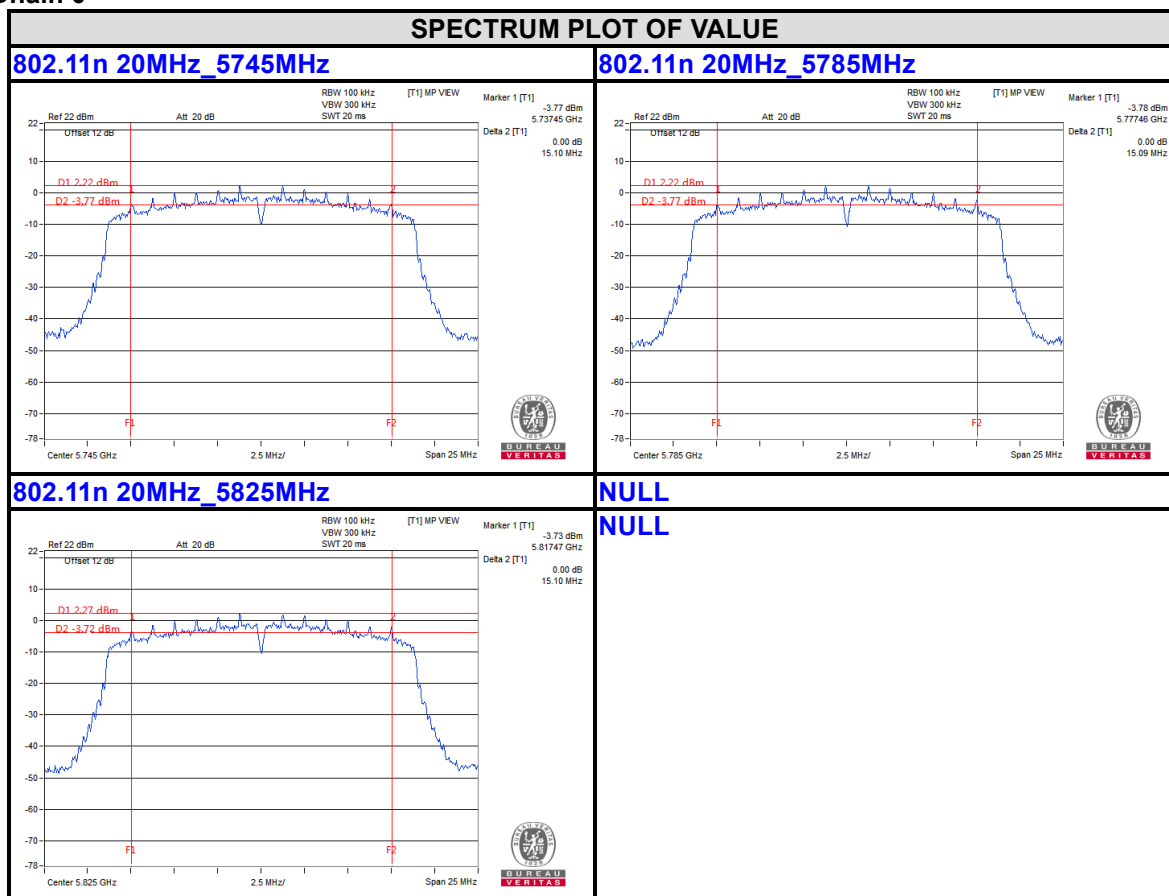
Chain 0



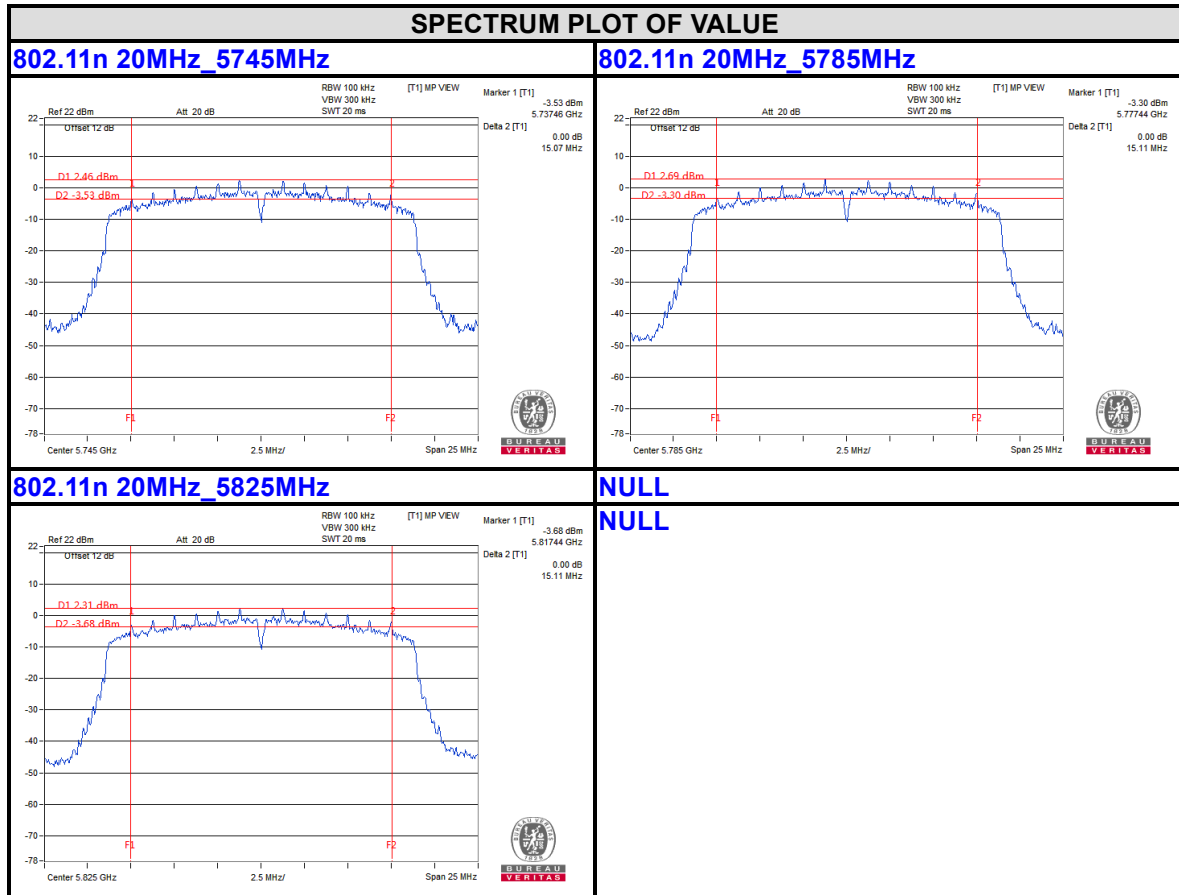
Chain 1



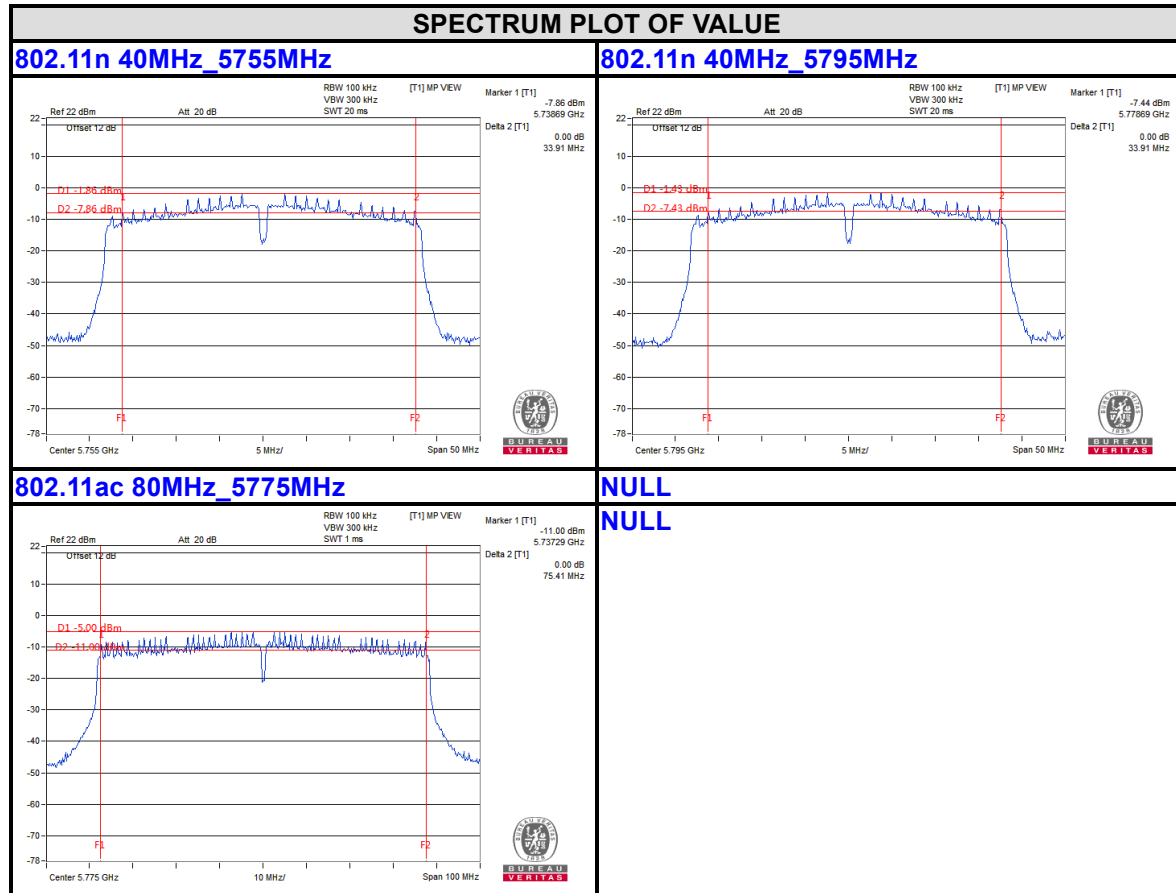
Chain 0



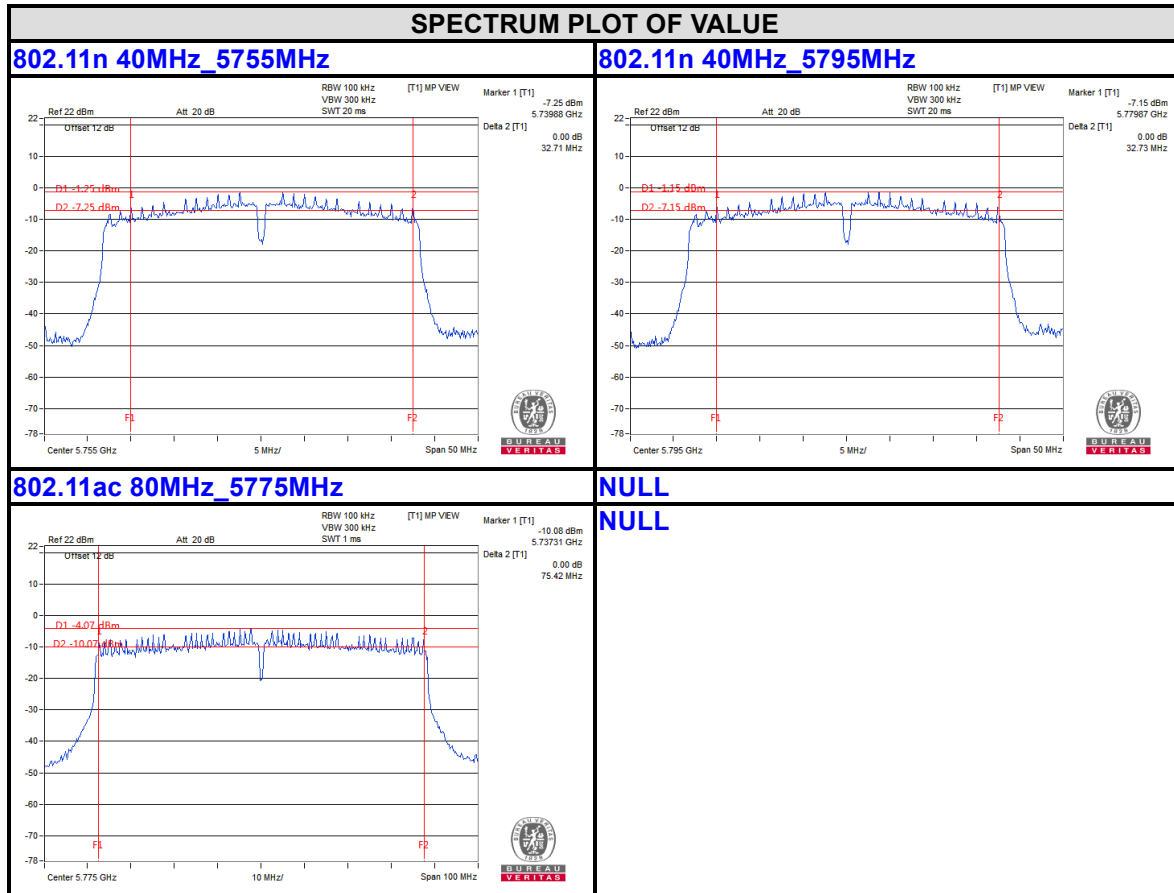
Chain 1



Chain 0



Chain 1

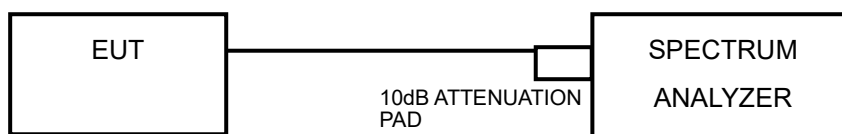


4.4 PEAK POWER SPECTRAL DENSITY MEASUREMENT

4.4.1 LIMITS OF PEAK POWER SPECTRAL DENSITY MEASUREMENT

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

4.4.2 TEST SETUP



4.4.3 TEST INSTRUMENTS

Refer to section 4.3.3 to get information of above instrument.

4.4.4 TEST PROCEDURES

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

Using method SA-2

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

For U-NII-3 band:

Using method SA-2

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 300 kHz, Set VBW = 1 MHz, Detector = RMS
- 3) Set Channel power measure = 1MHz
- 4) Sweep time = auto, trigger set to "free run".
- 5) Trace average at least 100 traces in power averaging mode.
- 6) Record the max value and add 10 log (1/duty cycle)

4.4.5 DEVIATION FROM TEST STANDARD

No deviation.

4.4.6 EUT OPERATING CONDITIONS

Same as 4.3.6

4.4.7 TEST RESULTS

For U-NII-1, U-NII-2A & U-NII-2C, For U-NII-3:
802.11a

Channel Number	Frequency (MHz)	RF Power Level in 1MHz BW (dBm)		Final result (PSD) (dBm)		MAX. Limit (dBm)	PASS / FAIL
		Chain 0	Chain 1	Chain 0	Chain 1		
36	5180	2.18	4.17	2.18	4.17	11.00	PASS
40	5200	2.01	3.95	2.01	3.95	11.00	PASS
48	5240	2.70	4.74	2.70	4.74	11.00	PASS
52	5260	2.18	4.81	2.18	4.81	11.00	PASS
60	5300	2.02	4.76	2.02	4.76	11.00	PASS
64	5320	1.95	4.71	1.95	4.71	11.00	PASS
100	5500	3.60	6.11	3.60	6.11	11.00	PASS
116	5580	3.75	6.04	3.75	6.04	11.00	PASS
140	5700	3.88	5.36	3.88	5.36	11.00	PASS

Notes:

1. Refer to section 3.3 for duty cycle spectrum plot.
2. Final result (Total PSD) = RF Power Level in 1MHz BW (dBm) + Duty factor

Channel Number	Frequency (MHz)	RF Power Level in 500kHz BW (dBm)		Final result (PSD) (dBm)		MAX. Limit (dBm/500k)	PASS / FAIL
		Chain 0	Chain 1	Chain 0	Chain 1		
149	5745	2.40	3.08	2.40	3.08	30.00	PASS
157	5785	2.53	3.33	2.53	3.33	30.00	PASS
165	5825	2.57	3.34	2.57	3.34	30.00	PASS

Notes:

1. Refer to section 3.3 for duty cycle spectrum plot.
2. Final result (PSD) = RF Power Level in 500kHz BW (dBm) + Duty factor

802.11n (20MHz)

Channel Number	Frequency (MHz)	RF Power Level in 1MHz BW (dBm)		Final result (Total PSD)	MAX. Limit (dBm)	PASS / FAIL
		Chain 0	Chain 1	dBm		
36	5180	-1.11	0.38	2.81	9.01	PASS
40	5200	-1.19	0.33	2.74	9.01	PASS
48	5240	-0.61	1.20	3.50	9.01	PASS
52	5260	-1.17	1.16	3.26	9.01	PASS
60	5300	-1.43	1.12	3.14	9.01	PASS
64	5320	-1.16	1.24	3.31	9.01	PASS
100	5500	-0.34	2.22	4.23	9.01	PASS
116	5580	-0.16	1.81	4.04	9.01	PASS
140	5700	0.21	1.35	3.92	9.01	PASS

Notes:

1. Refer to section 3.3 for duty cycle spectrum plot.
2. Final result (Total PSD) = RF Power Level in 1MHz BW (dBm) + Duty factor
3. Directional gain= $4.98 + 10 \cdot \log(2) = 7.99\text{dBi}$, more than 6dBi, so the power limit needs to reduce $(7.99-6=1.99)$ dB.

Channel Number	Frequency (MHz)	RF Power Level in 500kHz BW (dBm)		Final result (Total PSD)	MAX. Limit (dBm/500k)	PASS / FAIL
		Chain 0	Chain 1	dBm		
149	5745	-1.09	-0.82	2.06	28.01	PASS
157	5785	-1.01	-0.66	2.18	28.01	PASS
165	5825	-1.06	-0.80	2.08	28.01	PASS

Notes:

1. Refer to section 3.3 for duty cycle spectrum plot.
2. Final result (PSD) = RF Power Level in 500kHz BW (dBm) + Duty factor
3. Directional gain= $4.98 + 10 \cdot \log(2) = 7.99\text{dBi}$, more than 6dBi, so the power limit needs to reduce $(7.99-6=1.99)$ dB

802.11n (40MHz)

Channel Number	Frequency (MHz)	RF Power Level in 1MHz BW (dBm)		Final result (Total PSD)	MAX. Limit (dBm)	PASS / FAIL
		Chain 0	Chain 1	dBm		
38	5190	-2.94	-1.25	1.00	9.01	PASS
46	5230	-3.24	-1.43	0.77	9.01	PASS
54	5270	-3.82	-1.54	0.48	9.01	PASS
62	5310	-3.87	-1.69	0.37	9.01	PASS
102	5510	-4.05	-1.24	0.59	9.01	PASS
110	5550	-3.85	-1.27	0.64	9.01	PASS
134	5670	-3.50	-1.94	0.36	9.01	PASS

Notes:

1. Refer to section 3.3 for duty cycle spectrum plot.
2. Final result (Total PSD) = RF Power Level in 1MHz BW (dBm) + Duty factor
3. Directional gain= $4.98 + 10 \cdot \log(2) = 7.99\text{dBi}$, more than 6dBi, so the power limit needs to reduce ($7.99-6=1.99$) dB.

Channel Number	Frequency (MHz)	RF Power Level in 500kHz BW (dBm)		Final result (Total PSD)	MAX. Limit (dBm/500k)	PASS / FAIL
		Chain 0	Chain 1	dBm		
151	5755	-5.03	-4.53	-1.76	28.01	PASS
159	5795	-4.71	-4.33	-1.51	28.01	PASS

Notes:

1. Refer to section 3.3 for duty cycle spectrum plot.
2. Final result (PSD) = RF Power Level in 500kHz BW (dBm) + Duty factor
3. Directional gain= $4.98 + 10 \cdot \log(2) = 7.99\text{dBi}$, more than 6dBi, so the power limit needs to reduce ($7.99-6=1.99$) dB

802.11ac (80MHz)

Channel Number	Frequency (MHz)	RF Power Level in 1MHz BW (dBm)		Final result (Total PSD)	MAX. Limit (dBm)	PASS / FAIL
		Chain 0	Chain 1	dBm		
42	5210	-8.05	-6.30	-3.78	9.01	PASS
58	5290	-8.78	-6.28	-4.04	9.01	PASS
106	5530	-8.62	-6.34	-4.02	9.01	PASS

Notes:

1. Refer to section 3.3 for duty cycle spectrum plot.
2. Final result (Total PSD) = RF Power Level in 1MHz BW (dBm) + Duty factor
3. Directional gain= $4.98 + 10 \cdot \log(2) = 7.99\text{dBi}$, more than 6dBi, so the power limit needs to reduce ($7.99-6=1.99$) dB.

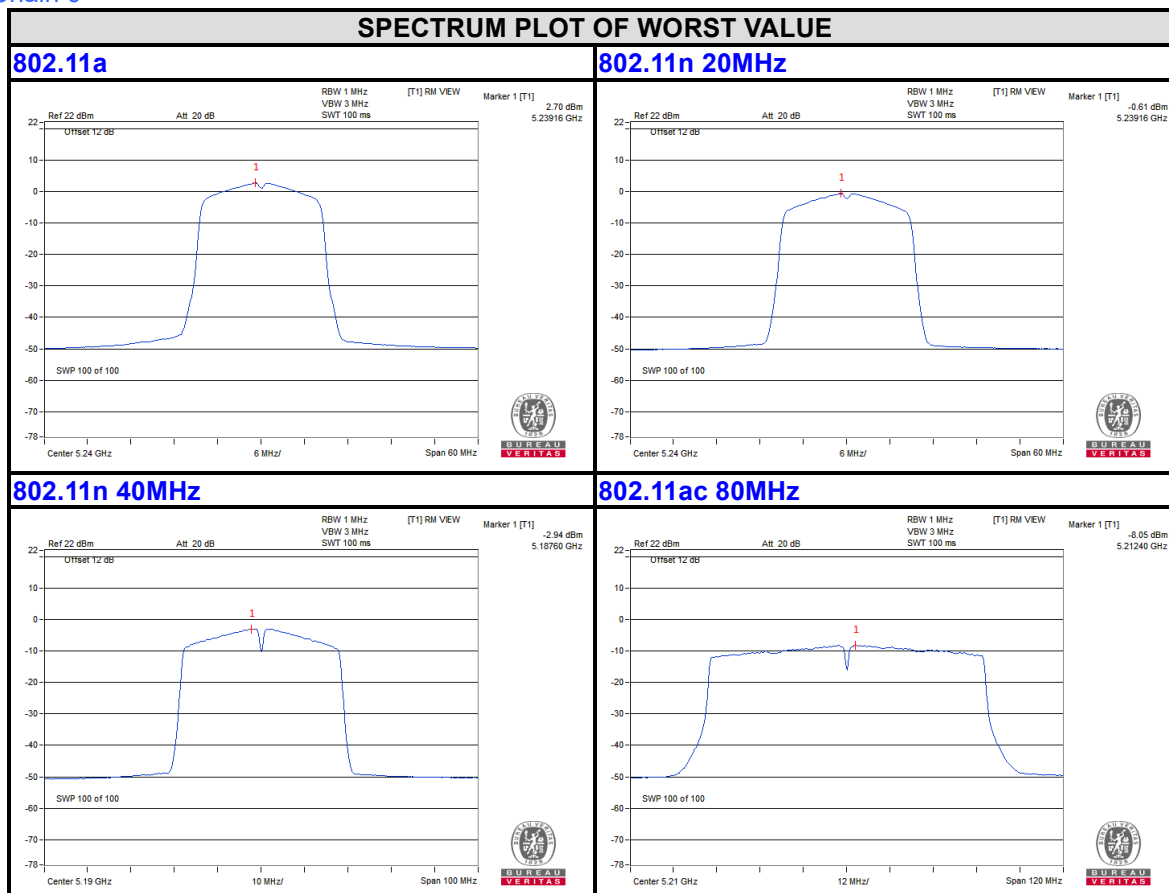
Channel Number	Frequency (MHz)	RF Power Level in 500kHz BW (dBm)		Final result (Total PSD)	MAX. Limit (dBm/500k)	PASS / FAIL
		Chain 0	Chain 1	dBm		
155	5775	-8.87	-8.16	-5.34	28.01	PASS

Notes:

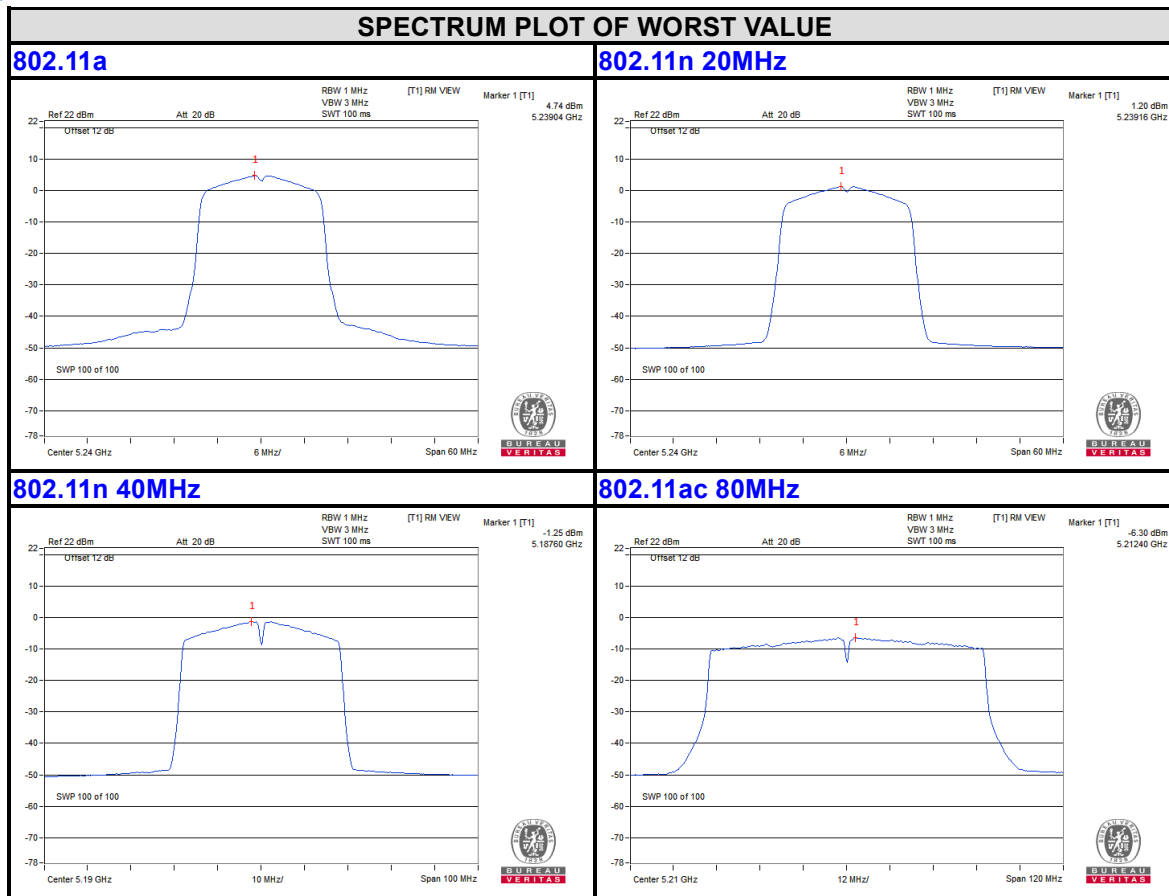
1. Refer to section 3.3 for duty cycle spectrum plot.
2. Final result (PSD) = RF Power Level in 500kHz BW (dBm) + Duty factor
3. Directional gain= $4.98 + 10 \cdot \log(2) = 7.99\text{dBi}$, more than 6dBi, so the power limit needs to reduce ($7.99-6=1.99$) dB

PSD Test Plot

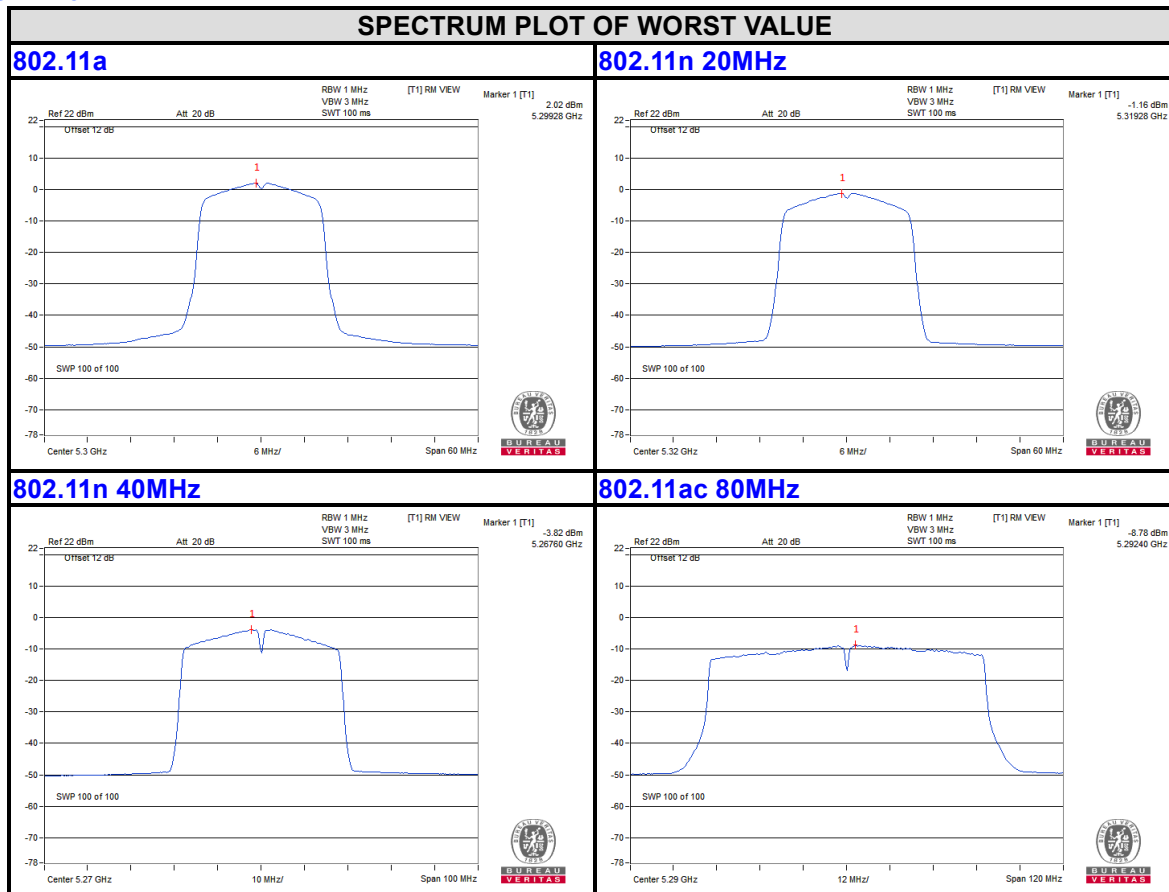
BAND 1
5150-5250MHz
Chain 0



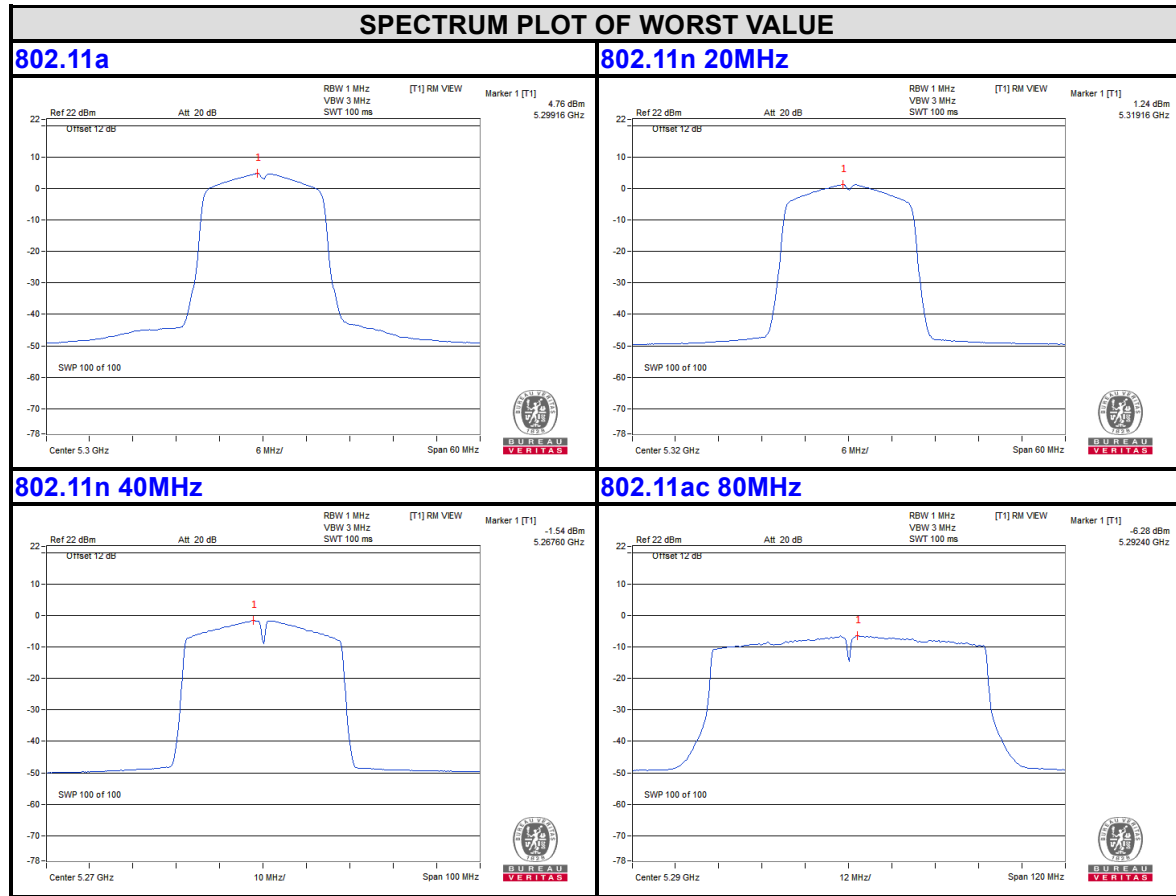
Chain 1



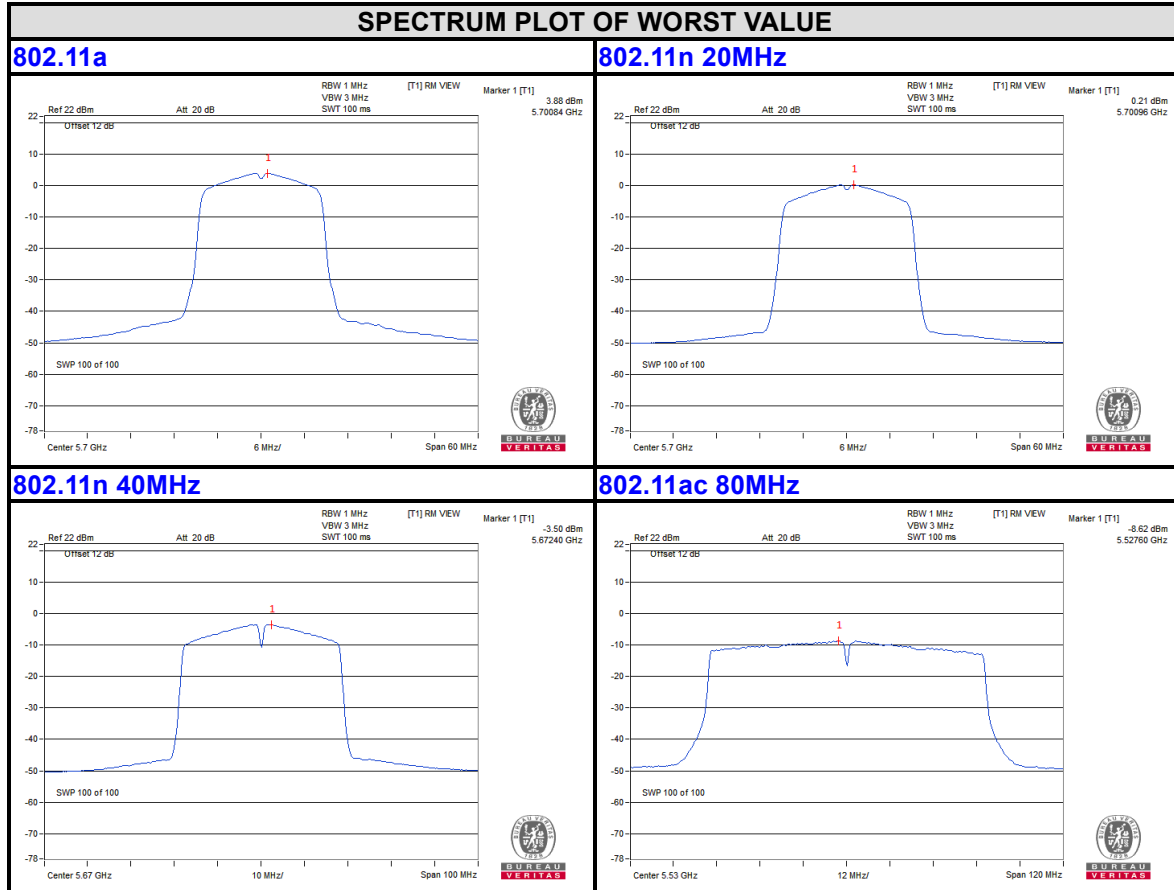
BAND 2
5250-5350MHz
Chain 0



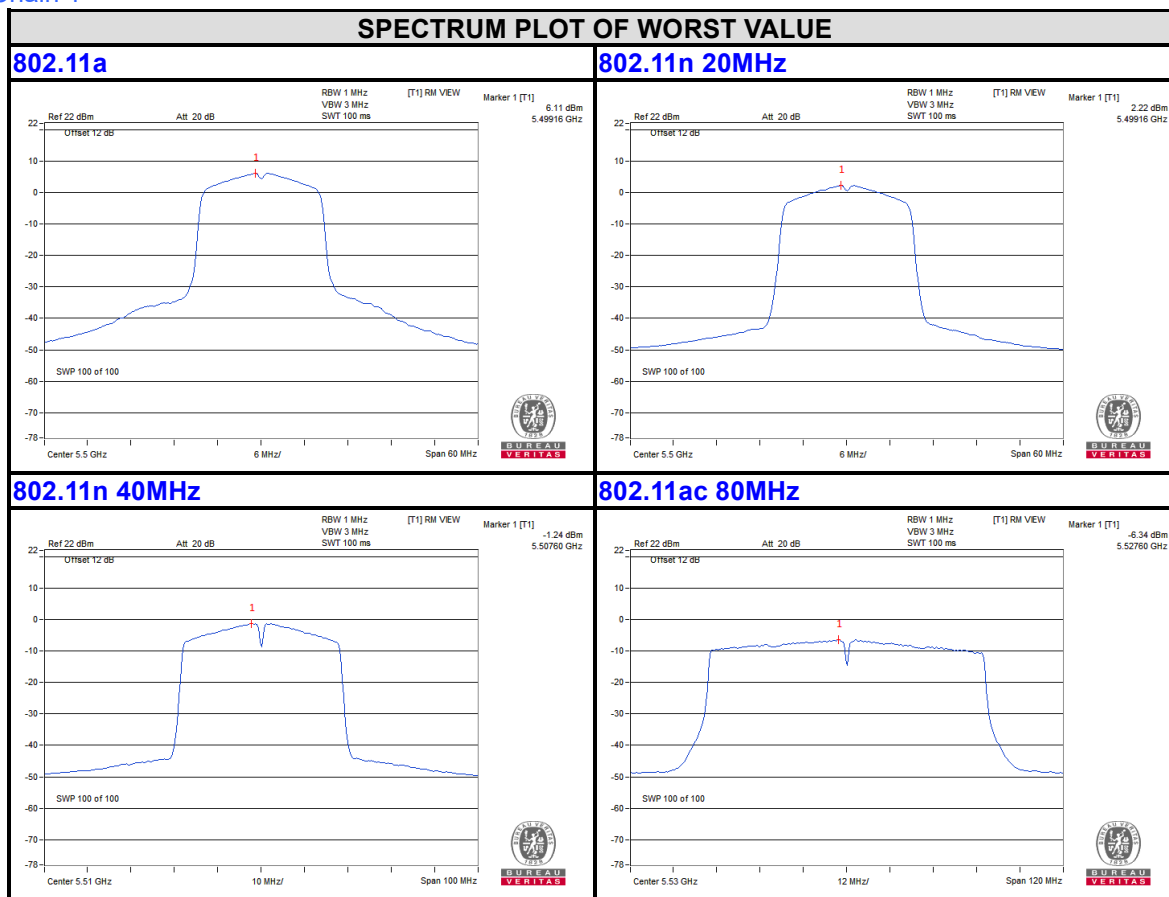
Chain 1



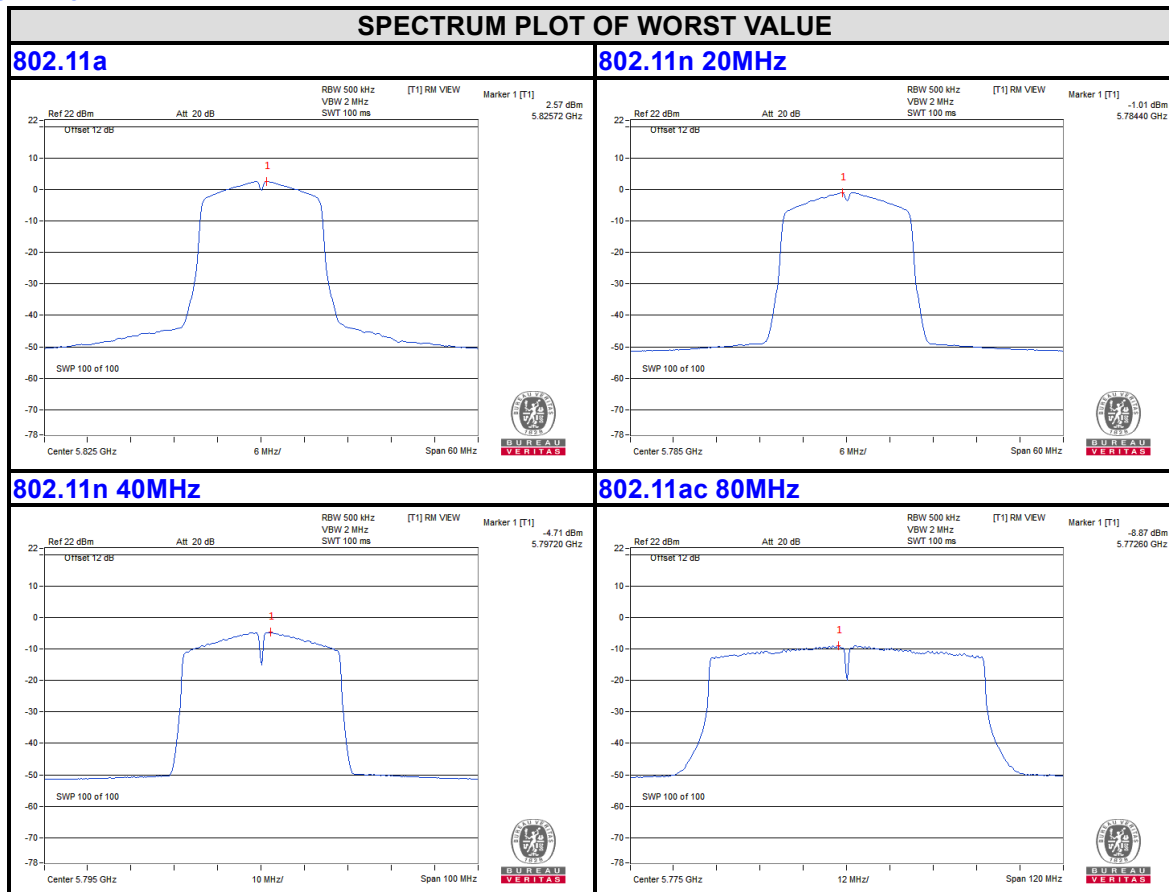
BAND 3
5470-5725MHz
Chain 0



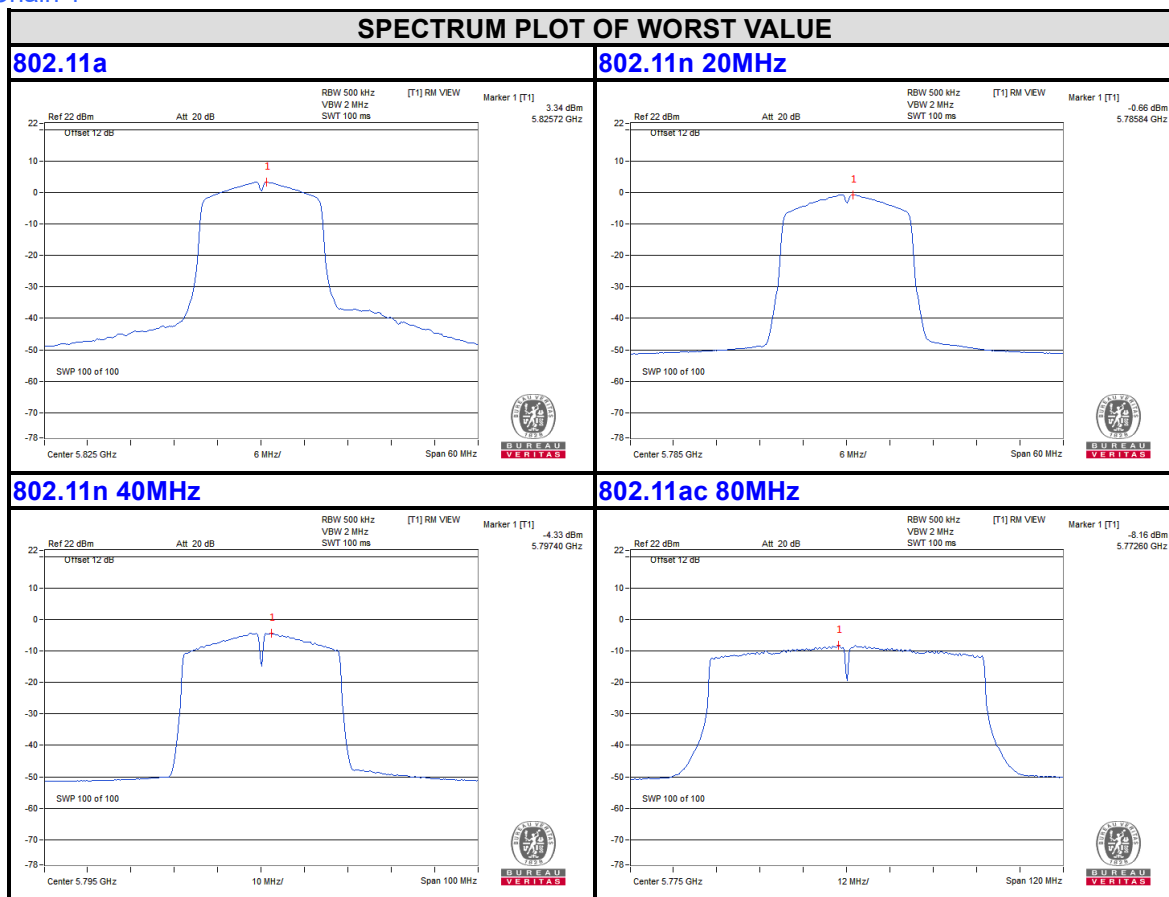
Chain 1



BAND4
5725-5850MHz
Chain 0



Chain 1

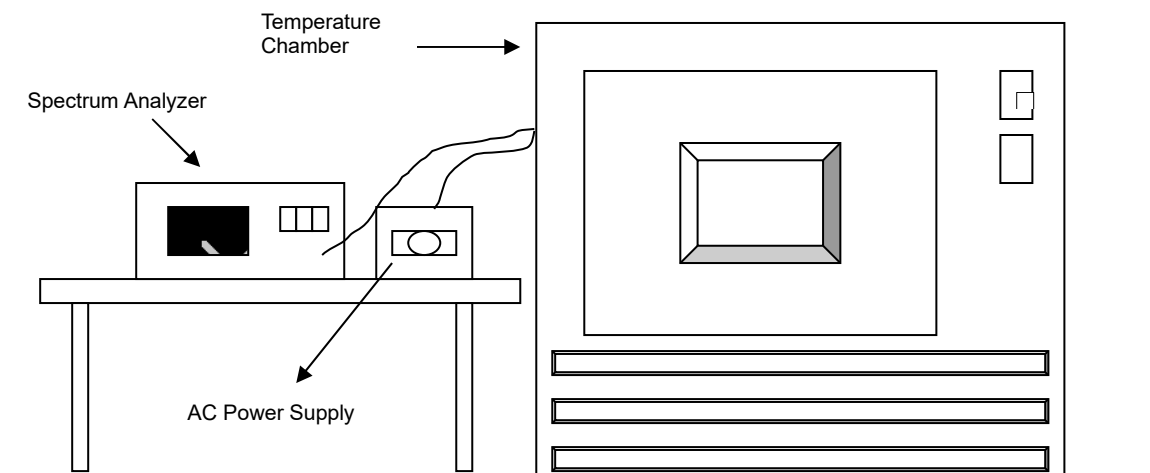


4.5 FREQUENCY STABILITY

4.5.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

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

4.5.2 TEST SETUP



4.5.3 TEST INSTRUMENTS

Refer to section 4.3.3 to get information of above instrument.

4.5.4 TEST PROCEDURE

- The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- 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.
- Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
- The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

4.5.5 DEVIATION FROM TEST STANDARD

No deviation.

4.5.6 EUT OPERATING CONDITION

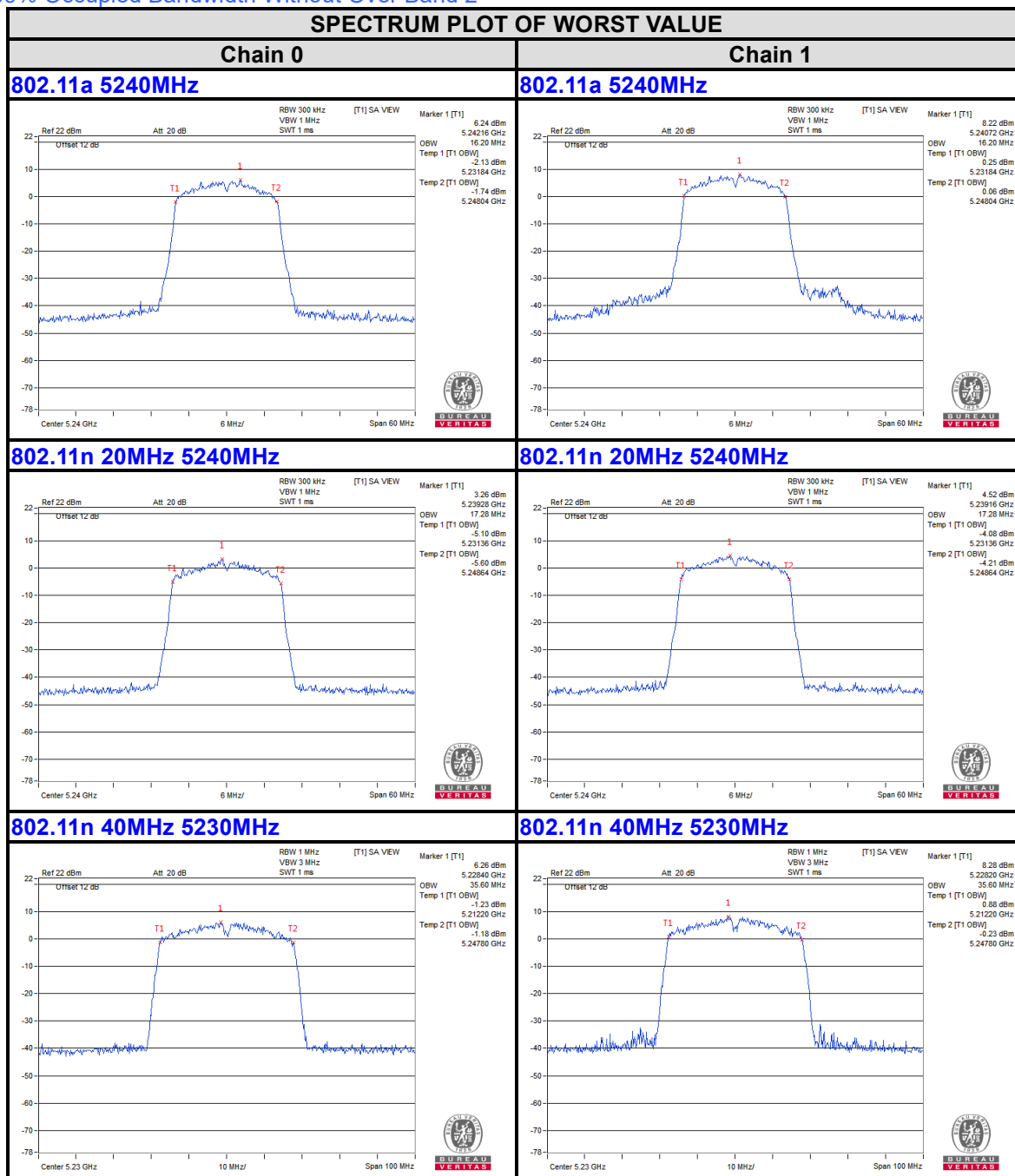
Set the EUT transmit at un-modulation mode to test frequency stability.

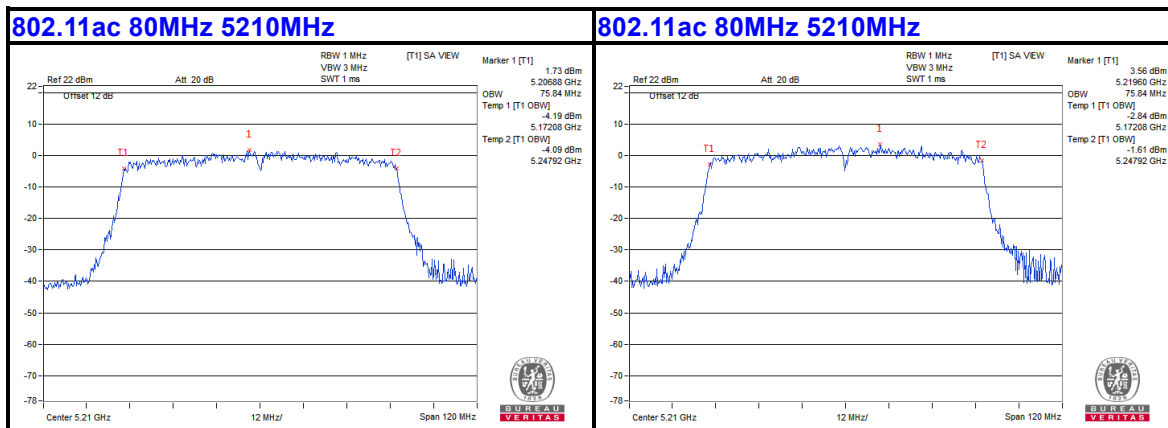
4.5.7 TEST RESULTS

FREQUENCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5180MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift
50	120	5180.0127	0.00025	5180.0141	0.00027	5180.012	0.00023	5180.0155	0.00030
40	120	5180.001	0.00002	5180.0041	0.00008	5180.003	0.00006	5180.0018	0.00003
30	120	5179.9745	-0.00049	5179.9726	-0.00053	5179.9749	-0.00048	5179.9742	-0.00050
20	120	5180.0088	0.00017	5180.0057	0.00011	5180.0061	0.00012	5180.0083	0.00016
10	120	5179.9834	-0.00032	5179.9801	-0.00038	5179.9845	-0.00030	5179.9807	-0.00037
0	120	5180.0163	0.00031	5180.0154	0.00030	5180.0182	0.00035	5180.0146	0.00028
-10	120	5180.0022	0.00004	5180.0014	0.00003	5180.0024	0.00005	5180.0041	0.00008
-20	120	5179.9961	-0.00008	5179.9958	-0.00008	5179.9912	-0.00017	5179.9927	-0.00014
-30	120	5179.9841	-0.00031	5179.9855	-0.00028	5179.9862	-0.00027	5179.9835	-0.00032

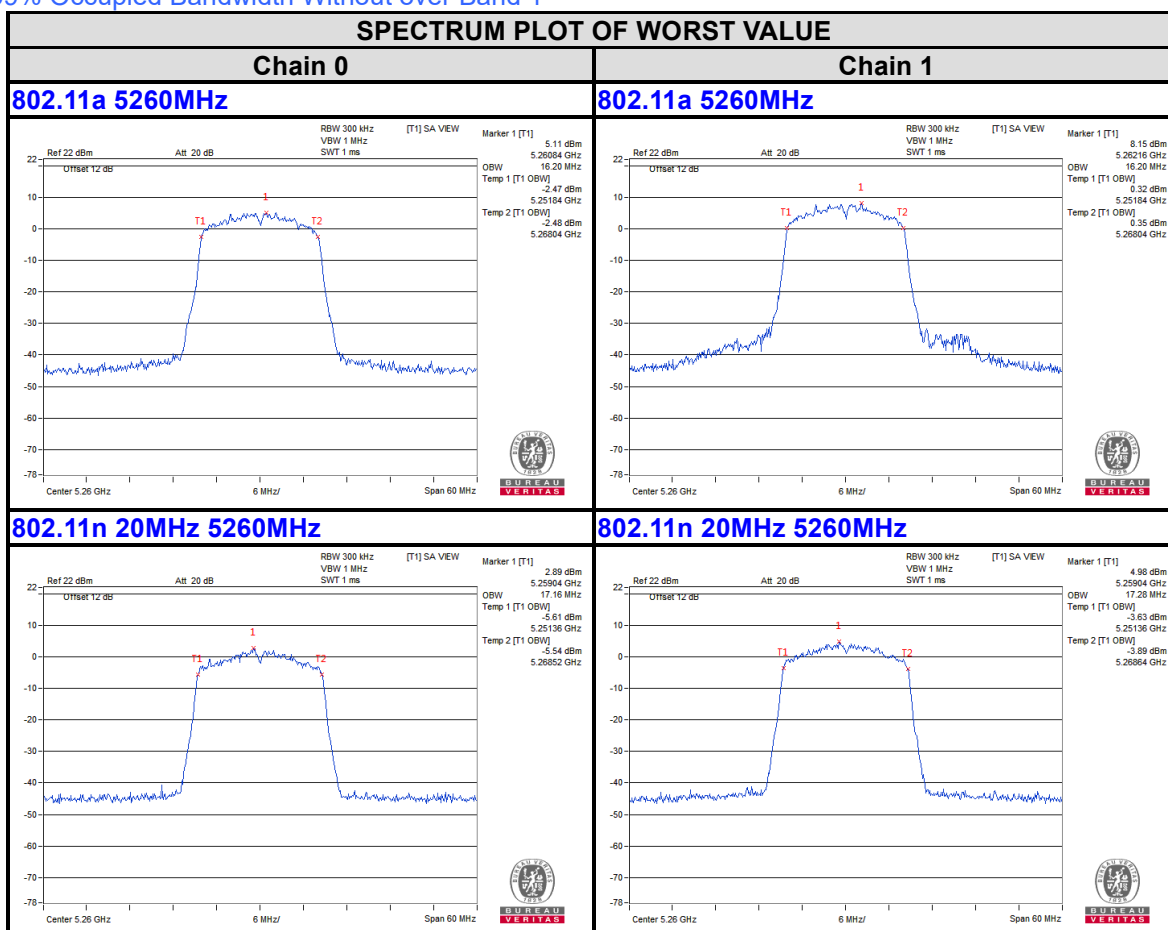
FREQUENCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5180MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift
20	108	5180.0097	0.00019	5180.0057	0.00011	5180.0062	0.00012	5180.0088	0.00017
	120	5180.0088	0.00017	5180.0057	0.00011	5180.0061	0.00012	5180.0083	0.00016
	132	5180.0093	0.00018	5180.0049	0.00009	5180.0064	0.00012	5180.0092	0.00018

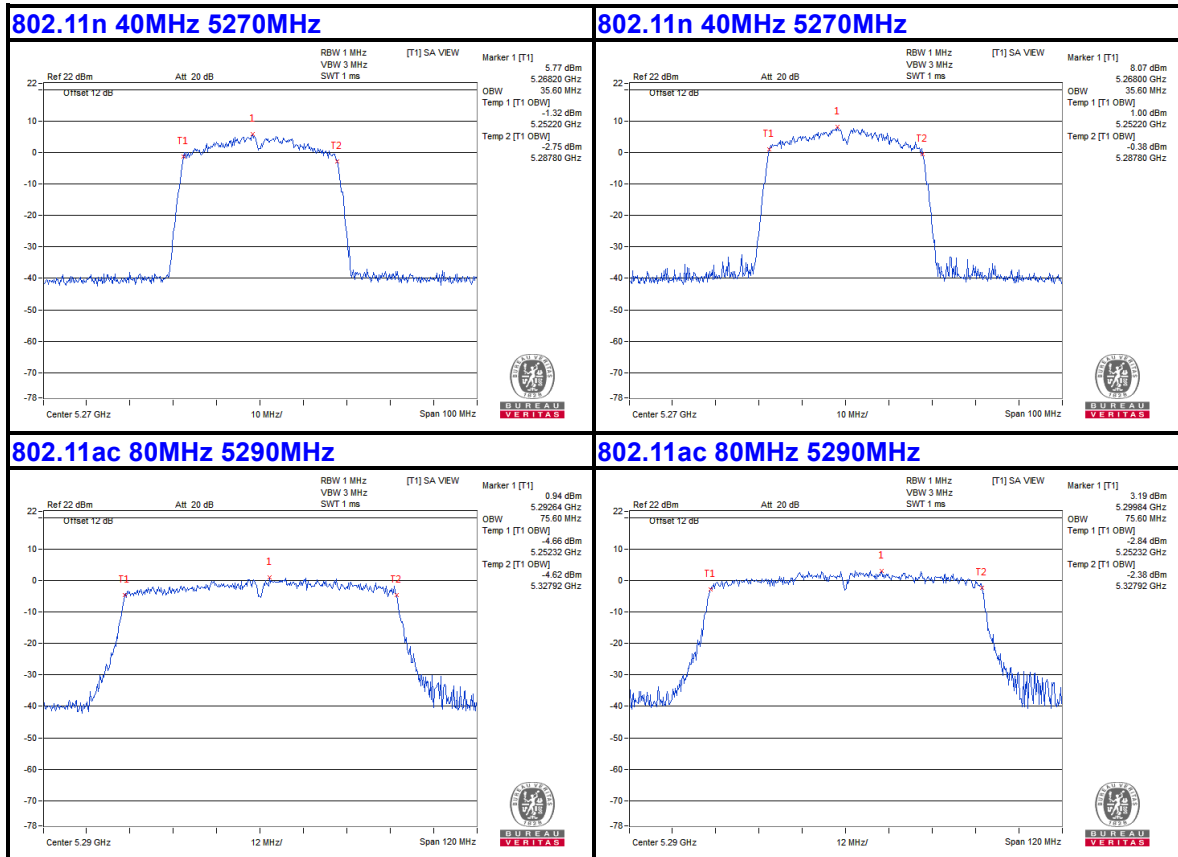
Band 1
5150-5250MHz
99% Occupied Bandwidth Without Over Band 2





Band 2
5250-5350MHz
99% Occupied Bandwidth Without over Band 1







Test Report No.: RF2606WDG0092-3

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

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



Test Report No.: RF2606WDG0092-3

6 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications were made to the EUT by the lab during the test.

---END---