Certificate # 2951.01

TEST REPORT

Applicant	Icon Health and Fitness, Inc.
Address	1500 South 1000 West, Logan Utah, United States 84321

Manufacturer or Supplier	Icon Health and Fitness, Inc.
Address	1500 South 1000 West, Logan Utah, United States 84321
Product Name	Tablet
Brand Name	N/A
Model	MP32-Argon2
Additional Model & Model Difference	N/A
Date of tests	Sep. 29, 2020 ~ Nov. 09, 2020

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

☒ **FCC Part 15, Subpart E, Section 15.407**
☒ **ANSI C63.10-2013**

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

Tested by Lucas Chen Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Nov. 17, 2020

Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch

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

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2008WDG0310-4	Original release.	Nov. 17, 2020

Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch

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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)(6)	AC Power Conducted Emissions	PASS	Meet the requirement of limit.
15.407(b) (1/2/3/4/6)	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	Antenna connector is i-pex not a standard connector.

1.1 MEASUREMENT UNCERTAINTY

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

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.70dB
Radiated emissions	9KHz ~ 30MHz	2.16dB
	30MHz ~ 1GMHz	3.60dB
	1GHz ~ 18GHz	4.82dB
	18GHz ~ 40GHz	5.00dB

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

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Tablet
BRAND	N/A
MODEL NO.	MP32-Argon2
FCC ID	OMC425341
POWER SUPPLY	DC 12V
MODULATION TYPE	64QAM, 16QAM, QPSK, BPSK for OFDM
MODULATION TECHNOLOGY	OFDM
TRANSFER RATE	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 150Mbps
OPERATING FREQUENCY	5180 ~ 5240MHz, 5260 ~ 5320MHz 5500 ~ 5700MHz, 5745 ~ 5825MHz
NUMBER OF CHANNEL	5180 ~ 5240MHz: 4 channels for 802.11a, 802.11n (20MHz) 2 channels for 802.11n (40MHz): 5260 ~ 5320MHz: 4 channels for 802.11a, 802.11n (20MHz) 2 channels for 802.11n (40MHz): 5500 ~ 5700MHz: 11 channels for 802.11a, 802.11n (20MHz) 5 channels for 802.11n (40MHz) 5745 ~ 5825MHz: 5 channels for 802.11a, 802.11n (20MHz) 2 channels for 802.11n (40MHz)
CONDUCTED OUTPUT POWER	27.606mW for 5180 ~ 5240MHz (Maximum AVG Power) 27.990mW for 5260 ~ 5320MHz (Maximum AVG Power) 27.861mW for 5500 ~ 5700MHz (Maximum AVG Power) 26.730mW for 5745 ~ 5825MHz (Maximum AVG Power)
ANTENNA TYPE	5180 ~ 5240MHz: FPCB antenna with 4.82dBi gain 5260 ~ 5320MHz: FPCB antenna with 5.27dBi gain 5500 ~ 5700MHz: FPCB antenna with 4.60dBi gain 5745 ~ 5825MHz: FPCB antenna with 6.03dBi gain
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	N/A

NOTES:

1. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.
2. Please refer to the EUT photo document (Reference No.: 2008WDG0310) for detailed product photo.
3. The EUT incorporates a SISO function. Physically, the EUT provides 1 completed transmitter and 1 receiver.

MODULATION MODE	FUNCTION
802.11a	1TX/1RX
802.11n (HT20)	1TX/1RX
802.11n (HT40)	1TX/1RX

4. For trade convenience, this product can match two different cooling fans (please see the below list), but only the worst case (HTD-040S12M) was showed in test report.

Differentia (cooling fan)	cooling fan 1	cooling fan 2
Model Name	MF40101V2-1000C-G99	HTD-040S12M

2.2 DESCRIPTION OF TEST MODES

FOR 5150 ~ 5250MHz

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

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

2 channels are provided for 802.11n (HT40):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	46	5230 MHz

FOR 5250 ~ 5350MHz

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

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

2 channels are provided for 802.11n (HT40), 802:

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
54	5270 MHz	62	5310 MHz

FOR 5470 ~ 5725MHz

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

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 802.11n (HT40):

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

FOR 5725 ~ 5850MHz

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

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

2 channels are provided for 802.11n (HT40):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
151	5755MHz	159	5795MHz

2.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE≥1G	RE<1G	PLC	APCM	
A	√	√	√	√	**DC 12V from Adapter with wifi(5G) link**

Where **RE≥1G:** Radiated Emission above 1GHz **RE<1G:** Radiated Emission below 1GHz
PLC: Power Line Conducted Emission **APCM:** Antenna Port Conducted Measurement

NOTE:
1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **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
	802.11a	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
	802.11a	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
	802.11a	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

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 5470-5725 5725-5850	36 to 48 100 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	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11a	5150-5250 5470-5725 5725-5850	36 to 48 100 to 140 149 to 165	36	OFDM	BPSK	6.0

ANTENNA PORT CONDUCTED MEASUREMENT:

☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.

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

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

EUT CONFIGURE MODE	MODE	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
	802.11a	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
	802.11a	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
	802.11a	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

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER(ADAPTER)	TESTED BY
RE<1G	24deg. C, 55%RH	DC 12V from Adapter	Jelly
RE≥1G	24deg. C, 55%RH	DC 12V from Adapter	Jelly
PLC	20deg. C, 56%RH	DC 12V from Adapter	Ming Bai
APCM	20deg. C, 55%RH	DC 12V from Adapter	Daniel

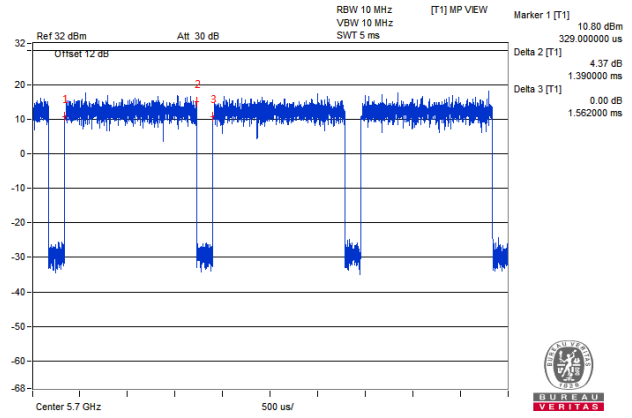
2.3 DUTY CYCLE OF TEST SIGNAL

802.11a: Duty cycle = 1.39/1.562 =0.890, Duty factor = 10 * log(1/0.890) = 0.506

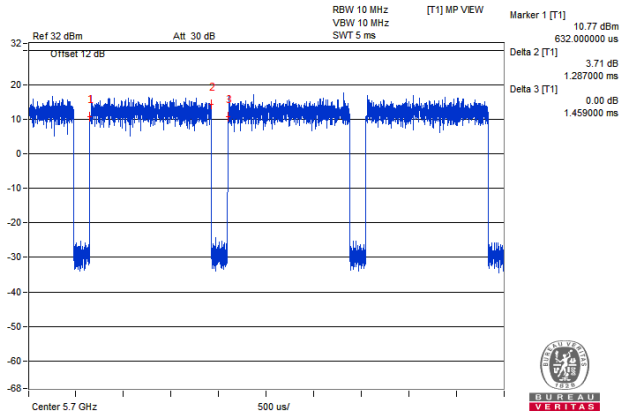
802.11n (HT20): Duty cycle = 1.287/1.459 =0.882, Duty factor = 10 * log(1/0.882) = 0.545

802.11n (HT40): Duty cycle = 0.633/0.814 =0.778, Duty factor = 10 * log(1/0.778) = 1.090

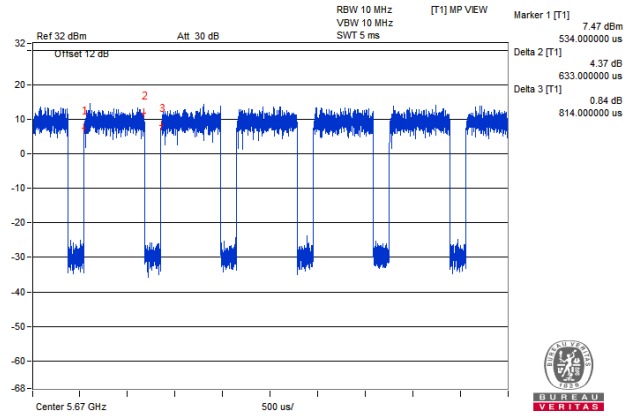
802.11a



802.11n (HT20)



802.11n (HT40)



2.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as a dependent 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.	FCC ID
1	Adapter	N/A	DSA-60PFE-12	N/A	N/A
2	USB Driver 3.0	Kingston	DTSE9G2/16GB	YVLP9-B8HTA Q-XXAYB	N/A
3	Dummy Load	N/A	N/A	N/A	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	DC Line: Unshielded, Non-detachable, 150cm. AC Line: Unshielded, Detachable, 120cm.
2	USB Line: Shielded, Detachable,15cm, with one core
3	Dummy Load Cable: Unshielded, Detachable, 40cm.

2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a 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)
789033 D02 General UNII Test Procedures New Rules v02r01
ANSI C63.10-2013

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

3. TEST TYPES AND RESULTS

3.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

3.1.1 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.

3.1.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

APPLICABLE TO	LIMIT	
789033 D02 General UNII Test Procedures New Rules v02r01	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:

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

3.1.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Mar. 17,21
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV7	102331	May 13, 21
Active Loop Antenna (9KHz -30MHz)	SCHWARZBECK	FMZB 1519B	1519B-045	May 29,21
Amplifier (9KHz -1GHz)	Burgeon	BPA-530	100210	Mar. 14,21
Bilog Antenna (20MHz -2GHz)	Teseq	CBL 6111D	30643	May 29,21
Horn Antenna (1GHz -18GHz)	ETS -Lindgren	3117	00062558	May 29,21
Horn Antenna (18GHz -40GHz)	SCHWARZBECK	BBHA 9170	BBHA9170147	May 09, 21
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	NSEMC003	May 22,21
Test Software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A
Broadband Preamplifier (1GHz~18GHz)	SCHWARZBECK	BBV9718	305	May 08,21
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Mar. 03,21
Test Software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A

NOTES:

1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
2. The horn antenna is used only for the measurement of emission frequency above1GHz if tested.
3. The FCC Site Registration No. is 749762.

3.1.4 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:

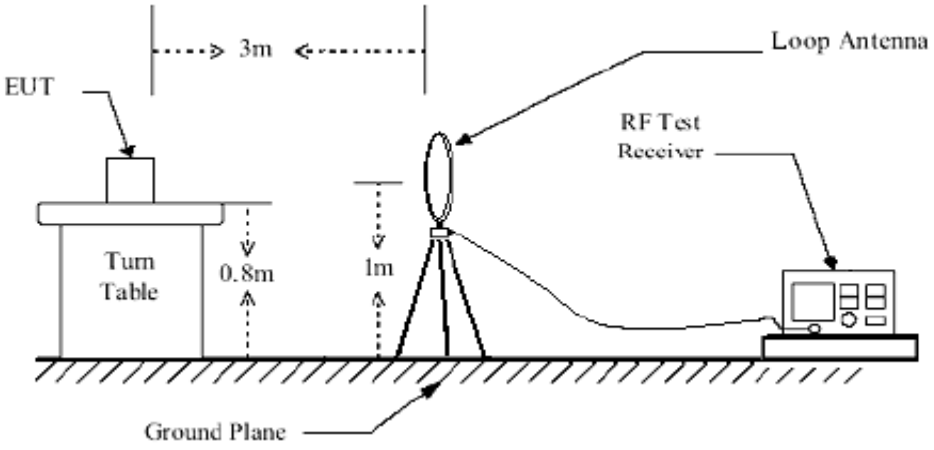
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution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

3.1.5 DEVIATION FROM TEST STANDARD

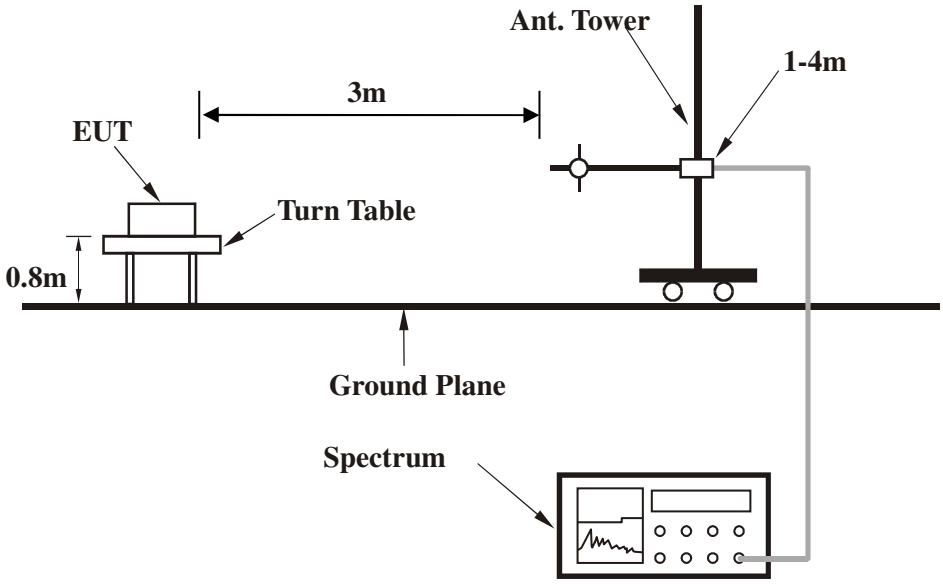
No deviation.

3.1.6 TEST SETUP

Below 30MHz

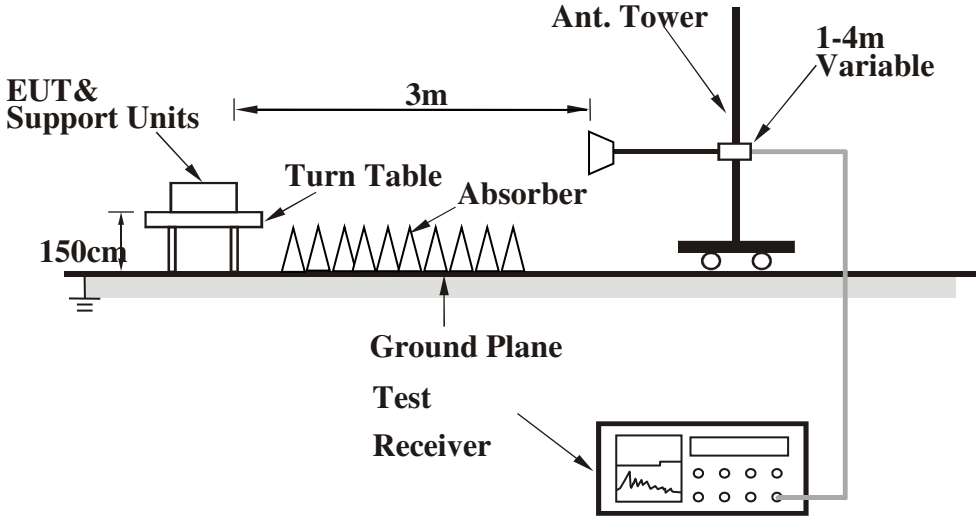


Below 1GHz test setup



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).

3.1.7 EUT OPERATING CONDITION

a. Set the EUT under full load condition and placed them on a testing table.

b. Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.

c. The necessary accessories enable the EUT in full functions.

3.1.8 TEST RESULTS

BELOW 1GHz WORST-CASE DATA

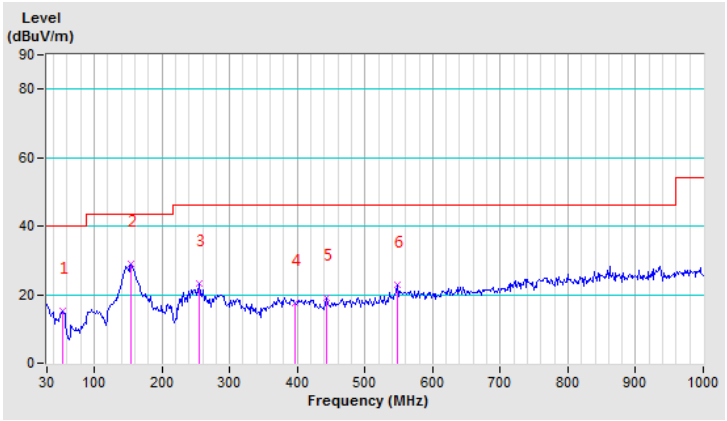
802.11a

CHANNEL	TX Channel 36	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	53.32	15.28 QP	40.00	-24.72	1.00 H	152	37.62	-22.34
2	154.36	28.81 QP	43.50	-14.69	1.00 H	303	46.23	-17.42
3	255.40	23.12 QP	46.00	-22.88	1.00 H	179	39.30	-16.18
4	396.86	17.64 QP	46.00	-28.36	1.00 H	204	29.29	-11.65
5	443.49	19.19 QP	46.00	-26.81	1.00 H	82	29.99	-10.80
6	547.64	22.89 QP	46.00	-23.11	1.00 H	77	30.77	-7.88

REMARKS:

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

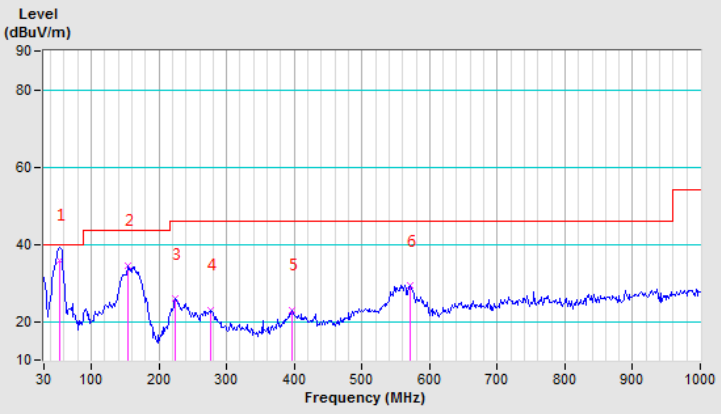


CHANNEL	TX Channel 36	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	**53.32**	**35.90 QP**	**40.00**	**-4.10**	**1.00 V**	**5**	**58.25**	**-22.35**
2	154.36	34.39 QP	43.50	-9.11	1.00 V	18	51.81	-17.42
3	224.31	25.79 QP	46.00	-20.21	1.00 V	36	45.16	-19.37
4	277.16	22.87 QP	46.00	-23.13	1.00 V	49	38.31	-15.44
5	396.86	22.80 QP	46.00	-23.20	1.00 V	0	34.45	-11.65
6	570.96	29.18 QP	46.00	-16.82	1.00 V	65	36.43	-7.25

REMARKS:

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. 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)

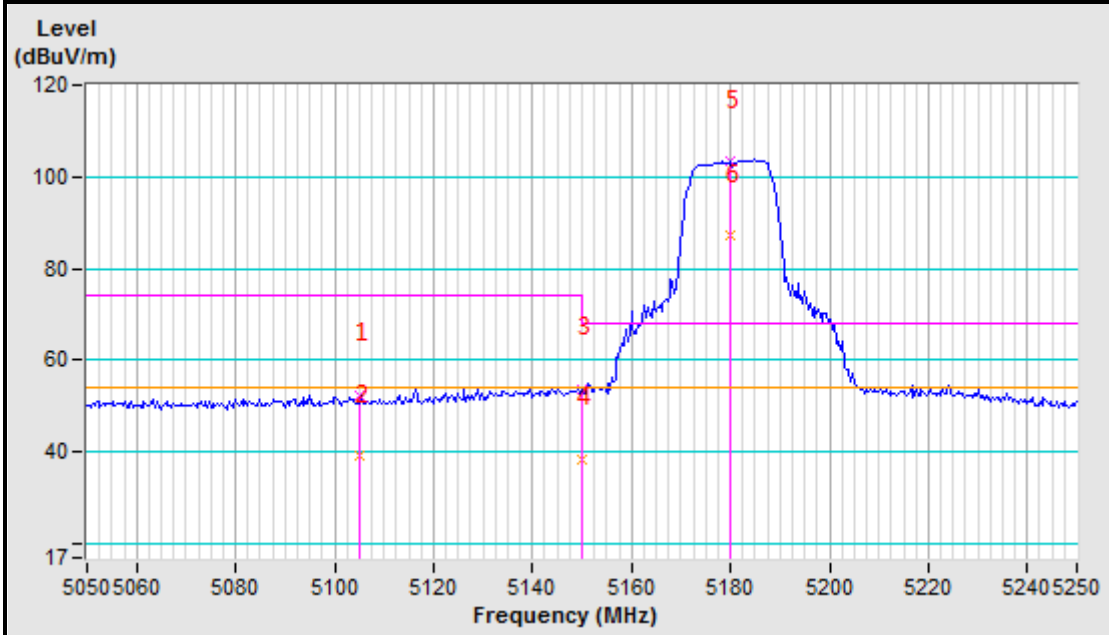
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5105.00	52.40 PK	74.00	-21.60	1.29 H	132	43.64	8.76
2	5105.00	39.14 AV	54.00	-14.86	1.29 H	132	30.38	8.76
3	5150.00	53.86 PK	74.00	-20.14	1.29 H	132	45.06	8.80
4	5150.00	38.52 AV	54.00	-15.48	1.29 H	132	29.72	8.80
5	*5180.00	103.35 PK			1.29 H	132	94.53	8.82
6	*5180.00	87.15 AV			1.29 H	132	78.33	8.82
7	#10360.00	58.74 PK	68.20	-9.46	1.00 H	0	40.93	17.81
8	15540.00	65.12 PK	74.00	-8.88	1.00 H	0	41.03	24.09
9	15540.00	45.15 AV	54.00	-8.85	1.00 H	0	21.06	24.09
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	5122.00	52.34 PK	74.00	-21.66	1.22 V	80	43.56	8.78
2	5122.00	37.80 AV	54.00	-16.20	1.22 V	80	29.02	8.78
3	5150.00	52.00 PK	74.00	-22.00	1.22 V	80	43.20	8.80
4	5150.00	38.16 AV	54.00	-15.84	1.22 V	80	29.36	8.80
5	*5180.00	99.92 PK			1.22 V	80	91.10	8.82
6	*5180.00	83.62 AV			1.22 V	80	74.80	8.82
7	#10360.00	59.98 PK	68.20	-8.22	1.00 V	0	42.17	17.81
8	15540.00	65.41 PK	74.00	-8.59	1.00 V	0	41.32	24.09
9	15540.00	43.45 AV	54.00	-10.55	1.00 V	0	19.36	24.09

REMARKS:

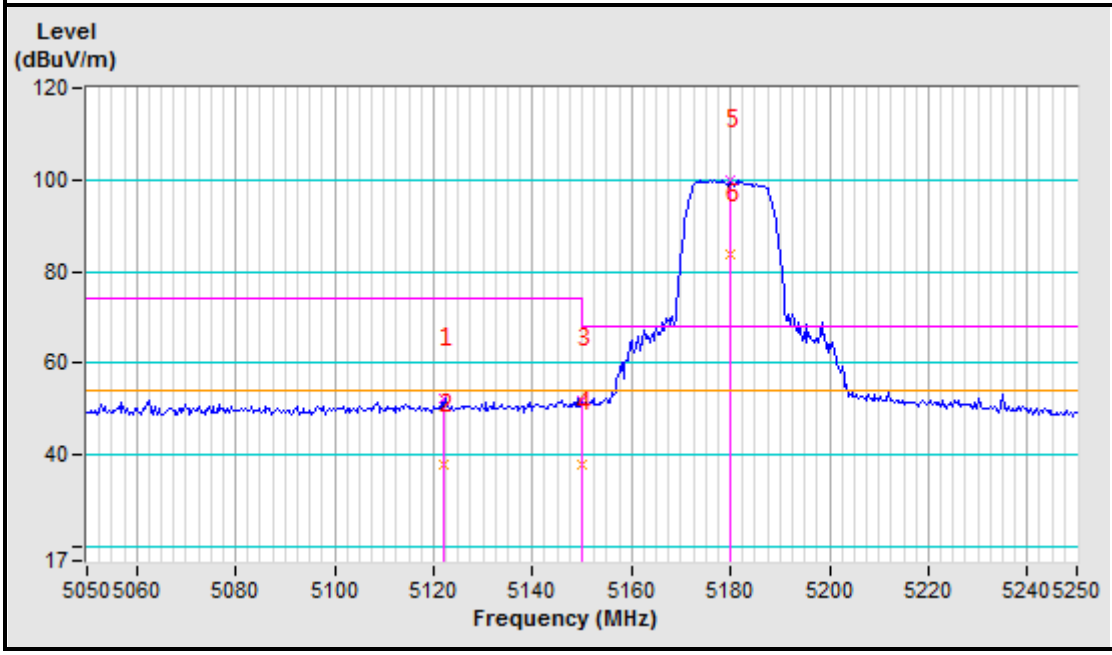
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5180MHz Horizontal



5180MHz Vertical



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	5124.54	53.41 PK	74.00	-20.59	1.25 H	156	44.64	8.77
2	5124.54	39.65 AV	54.00	-14.35	1.25 H	156	30.88	8.77
3	5150.00	52.34 PK	74.00	-21.66	1.25 H	156	43.54	8.80
4	5150.00	39.64 AV	54.00	-14.36	1.25 H	156	30.84	8.80
5	*5200.00	104.15 PK			1.25 H	156	95.30	8.85
6	*5200.00	88.54 AV			1.25 H	156	79.69	8.85
7	#10400.00	59.84 PK	68.20	-8.36	1.00 H	0	41.84	18.00
8	15600.00	65.41 PK	74.00	-8.59	1.00 H	0	41.20	24.21
9	15600.00	45.61 AV	54.00	-8.39	1.00 H	0	21.40	24.21
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5134.00	51.64 PK	74.00	-22.36	1.00 V	177	42.86	8.78
2	5134.00	38.57 AV	54.00	-15.43	1.00 V	177	29.79	8.78
3	5150.00	52.60 PK	74.00	-21.40	1.00 V	177	43.80	8.80
4	5150.00	39.84 AV	54.00	-14.16	1.00 V	177	31.04	8.80
5	*5200.00	98.64 PK			1.00 V	177	89.82	8.82
6	*5200.00	82.36 AV			1.00 V	177	73.54	8.82
7	#10400.00	59.64 PK	68.20	-8.56	1.00 V	0	41.64	18.00
8	15600.00	63.64 PK	74.00	-10.36	1.00 V	0	39.43	24.21
9	15600.00	45.24 AV	54.00	-8.76	1.00 V	0	21.03	24.21

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
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.

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	5124.00	52.34 PK	74.00	-21.66	1.91 H	121	43.57	8.77
2	5124.00	38.67 AV	54.00	-15.33	1.91 H	121	29.90	8.77
3	5150.00	51.36 PK	74.00	-22.64	1.91 H	121	42.56	8.80
4	5150.00	38.69 AV	54.00	-15.31	1.91 H	121	29.89	8.80
5	*5240.00	102.01 PK			1.91 H	121	93.13	8.88
6	*5240.00	86.23 AV			1.91 H	121	77.35	8.88
7	5350.00	52.09 PK	74.00	-21.91	1.91 H	121	43.11	8.98
8	5350.00	39.54 AV	54.00	-14.46	1.91 H	121	30.56	8.98
9	5394.00	53.29 PK	74.00	-20.71	1.91 H	121	44.27	9.02
10	5394.00	35.44 AV	54.00	-18.56	1.91 H	121	26.42	9.02
11	#10480.00	59.14 PK	68.20	-9.06	1.00 H	0	40.77	18.37
12	15720.00	64.29 PK	74.00	-9.71	1.00 H	0	39.86	24.43
13	15720.00	45.31 AV	54.00	-8.69	1.00 H	0	20.88	24.43
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	5145.00	51.34 PK	74.00	-22.66	1.00 V	14	42.55	8.79
2	5145.00	39.45 AV	54.00	-14.55	1.00 V	14	30.66	8.79
3	5150.00	49.22 PK	74.00	-24.78	1.42 V	17	40.42	8.80
4	5150.00	38.14 AV	54.00	-15.86	1.42 V	17	29.34	8.80
5	*5240.00	98.45 PK			1.42 V	14	89.57	8.88
6	*5240.00	82.31 AV			1.42 V	14	73.43	8.88
7	5350.00	52.64 PK	74.00	-21.36	1.42 V	14	43.66	8.98
8	5350.00	38.45 AV	54.00	-15.55	1.42 V	14	29.47	8.98
9	5380.00	52.15 PK	74.00	-21.85	1.42 V	0	43.14	9.01
10	5380.00	39.14 AV	54.00	-14.86	1.42 V	0	30.13	9.01
11	#10480.00	59.41 PK	68.20	-8.79	1.00 V	0	41.04	18.37
12	15720.00	65.34 PK	74.00	-8.66	1.00 V	0	40.91	24.43
13	15720.00	43.65 AV	54.00	-10.35	1.00 V	0	19.22	24.43

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
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.

802.11n (20MHz)

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

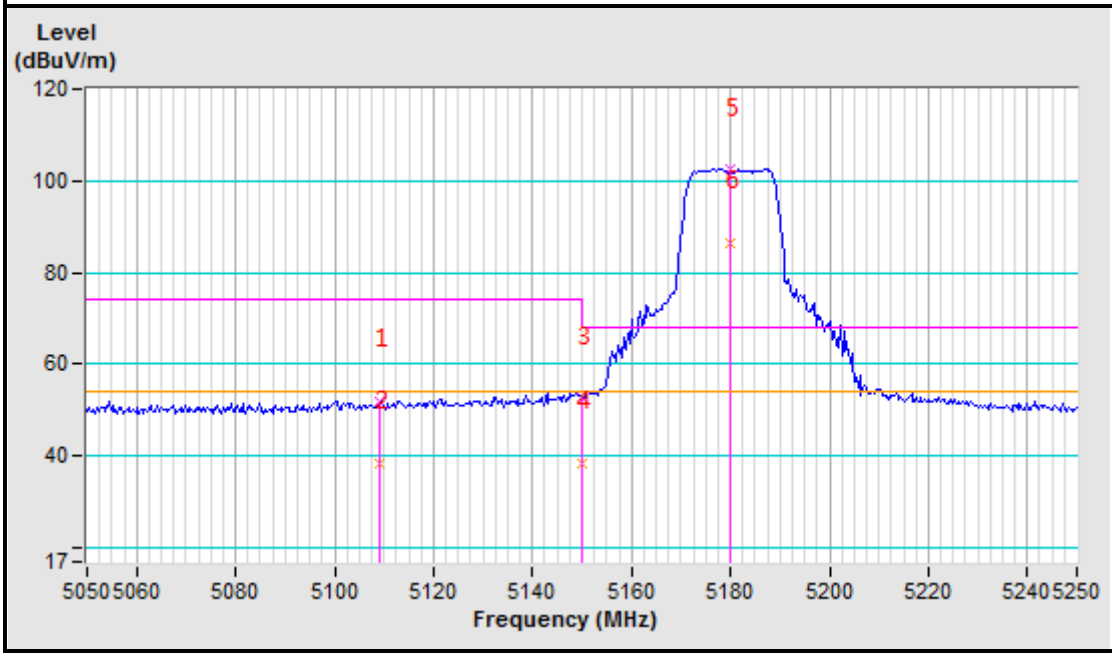
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5109.00	52.08 PK	74.00	-21.92	1.93 H	195	43.31	8.77
2	5109.00	38.55 AV	54.00	-15.45	1.93 H	195	29.78	8.77
3	5150.00	52.61 PK	74.00	-21.39	1.93 H	195	43.81	8.80
4	5150.00	38.54 AV	54.00	-15.46	1.93 H	195	29.74	8.80
5	*5180.00	102.33 PK			1.93 H	195	93.51	8.82
6	*5180.00	86.54 AV			1.93 H	195	77.72	8.82
7	#10360.00	59.19 PK	68.20	-9.01	1.00 H	0	41.38	17.81
8	15540.00	66.13 PK	74.00	-7.87	1.00 H	0	42.04	24.09
9	15540.00	45.24 AV	54.00	-8.76	1.00 H	0	21.15	24.09
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	5124.00	52.12 PK	74.00	-21.88	1.23 V	144	43.35	8.77
2	5124.00	37.54 AV	54.00	-16.46	1.23 V	144	28.77	8.77
3	5150.00	50.52 PK	74.00	-23.48	1.23 V	144	41.72	8.80
4	5150.00	39.12 AV	54.00	-14.88	1.23 V	144	30.32	8.80
5	*5180.00	99.17 PK			1.23 V	144	90.35	8.82
6	*5180.00	83.54 AV			1.23 V	144	74.72	8.82
7	#10360.00	59.61 PK	68.20	-8.59	1.00 V	0	41.80	17.81
8	15540.00	65.31 PK	74.00	-8.69	1.00 V	0	41.22	24.09
9	15540.00	42.31 AV	54.00	-11.69	1.00 V	0	18.22	24.09

REMARKS:

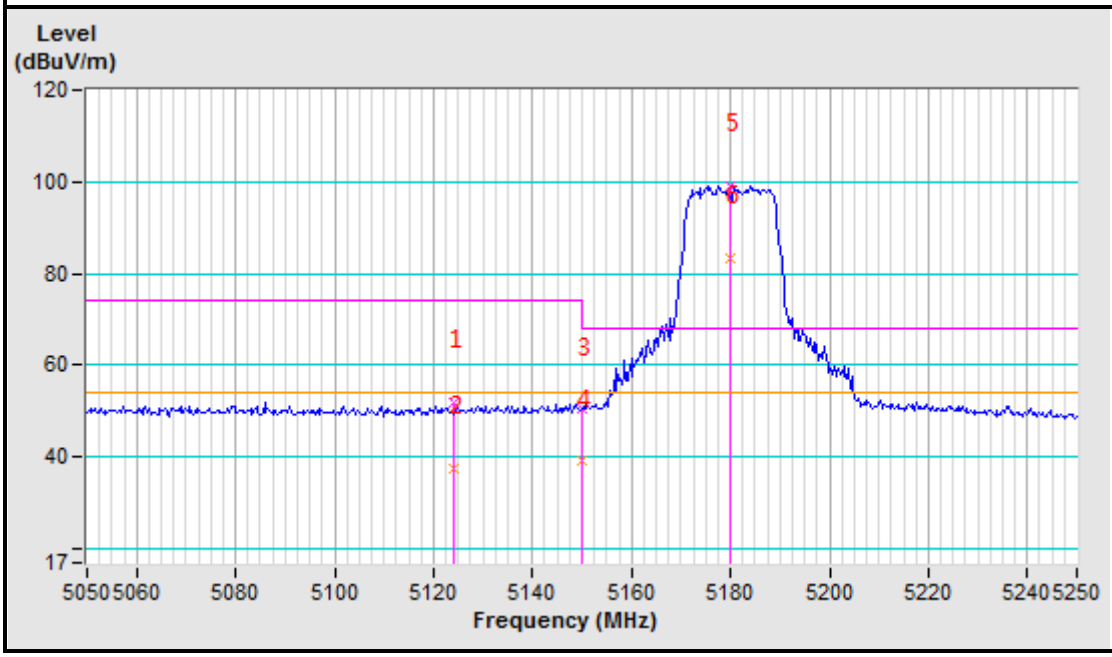
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5180MHz Horizontal



5180MHz Vertical



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	5124.33	51.29 PK	74.00	-22.71	1.74 H	186	42.52	8.77
2	5124.33	38.40 AV	54.00	-15.60	1.74 H	186	29.63	8.77
3	5150.00	52.14 PK	74.00	-21.86	1.74 H	185	43.34	8.80
4	5150.00	36.41 AV	54.00	-17.59	1.74 H	185	27.61	8.80
5	*5200.00	101.54 PK			1.74 H	185	92.69	8.85
6	*5200.00	83.41 AV			1.74 H	185	74.56	8.85
7	#10400.00	58.26 PK	68.20	-9.94	1.00 H	0	40.26	18.00
8	15600.00	64.25 PK	74.00	-9.75	1.00 H	0	40.04	24.21
9	15600.00	45.91 AV	54.00	-8.09	1.00 H	0	21.70	24.21
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5124.00	52.14 PK	74.00	-21.86	1.00 V	178	43.37	8.77
2	5124.00	35.14 AV	54.00	-18.86	1.00 V	178	26.37	8.77
3	5150.00	53.24 PK	74.00	-20.76	1.00 V	178	44.44	8.80
4	5150.00	37.14 AV	54.00	-16.86	1.00 V	178	28.34	8.80
5	*5200.00	93.41 PK			1.00 V	178	84.56	8.85
6	*5200.00	80.14 AV			1.00 V	178	71.29	8.85
7	#10400.00	59.41 PK	68.20	-8.79	1.00 V	0	41.41	18.00
8	15600.00	64.65 PK	74.00	-9.35	1.00 V	0	40.44	24.21
9	15600.00	42.84 AV	54.00	-11.16	1.00 V	0	18.63	24.21

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
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.

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	5134.00	52.06 PK	74.00	-21.94	1.24 H	196	43.28	8.78
2	5134.00	38.54 AV	54.00	-15.46	1.24 H	196	29.76	8.78
3	5150.00	51.24 PK	74.00	-22.76	1.24 H	196	42.44	8.80
4	5150.00	38.61 AV	54.00	-15.39	1.24 H	196	29.81	8.80
5	*5240.00	101.97 PK			1.22 H	196	93.09	8.88
6	*5240.00	86.23 AV			1.22 H	196	77.35	8.88
7	5350.00	53.20 PK	74.00	-20.80	1.24 H	196	44.22	8.98
8	5350.00	39.36 AV	54.00	-14.64	1.24 H	196	30.38	8.98
9	5366.00	53.27 PK	74.00	-20.73	1.24 H	196	44.27	9.00
10	5366.00	37.20 AV	54.00	-16.80	1.24 H	196	28.20	9.00
11	#10480.00	60.12 PK	68.20	-8.08	1.00 H	0	41.75	18.37
12	15720.00	65.31 PK	74.00	-8.69	1.00 H	0	40.88	24.43
13	15720.00	41.58 AV	54.00	-12.42	1.00 H	0	17.15	24.43
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	5136.54	52.47 PK	74.00	-21.53	1.00 V	174	43.68	8.79
2	5136.54	39.00 AV	54.00	-15.00	1.00 V	174	30.21	8.79
3	5150.00	52.41 PK	74.00	-21.59	1.00 V	174	43.61	8.80
4	5150.00	38.50 AV	54.00	-15.50	1.00 V	174	29.70	8.80
5	*5240.00	96.14 PK			1.00 V	174	87.26	8.88
6	*5240.00	80.32 AV			1.00 V	174	71.44	8.88
7	5350.00	52.51 PK	74.00	-21.49	1.00 V	174	43.53	8.98
8	5350.00	36.80 AV	54.00	-17.20	1.00 V	174	27.82	8.98
9	5384.00	52.58 PK	74.00	-21.42	1.00 V	174	43.57	9.01
10	5384.00	39.41 AV	54.00	-14.59	1.00 V	174	30.40	9.01
11	#10480.00	59.58 PK	68.20	-8.62	1.00 V	0	41.21	18.37
12	15720.00	64.24 PK	74.00	-9.76	1.00 V	0	39.81	24.43
13	15720.00	44.81 AV	54.00	-9.19	1.00 V	0	20.38	24.43

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
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.

802.11n (40MHz)

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

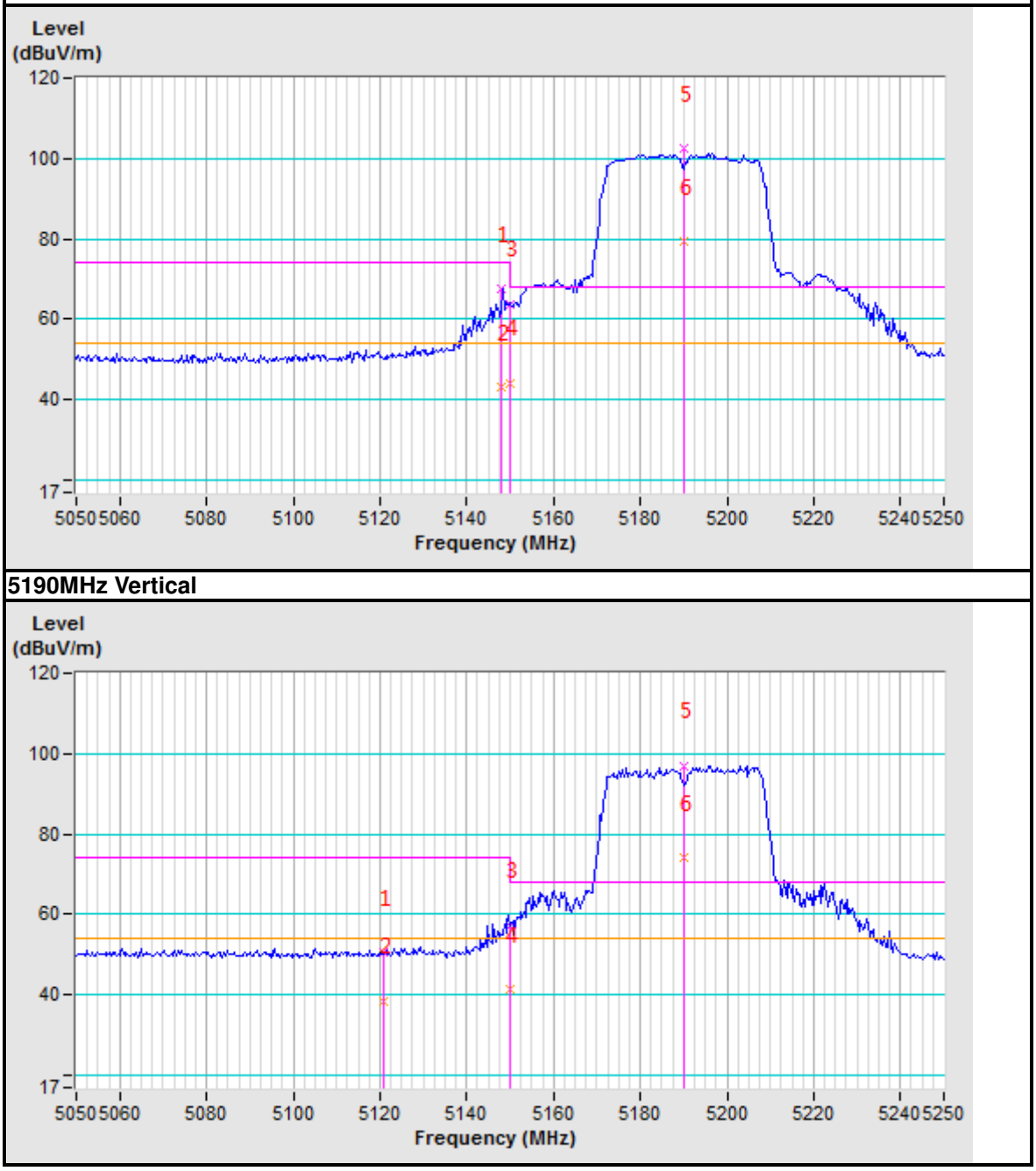
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5148.00	67.45 PK	74.00	-6.55	1.27 H	131	58.65	8.80
2	5148.00	43.11 AV	54.00	-10.89	1.27 H	131	34.31	8.80
3	5150.00	63.83 PK	74.00	-10.17	1.27 H	131	55.03	8.80
4	5150.00	44.09 AV	54.00	-9.91	1.27 H	131	35.29	8.80
5	*5190.00	102.33 PK			1.27 H	131	93.50	8.83
6	*5190.00	79.28 AV			1.27 H	131	70.45	8.83
7	#10380.00	58.31 PK	68.20	-9.89	1.00 H	0	40.40	17.91
8	15570.00	63.94 PK	74.00	-10.06	1.00 H	0	39.79	24.15
9	15570.00	43.11 AV	54.00	-10.89	1.00 H	0	18.96	24.15
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5121.00	50.61 PK	74.00	-23.39	1.22 V	114	41.84	8.77
2	5121.00	38.45 AV	54.00	-15.55	1.22 V	114	29.68	8.77
3	5150.00	57.18 PK	74.00	-16.82	1.22 V	114	48.38	8.80
4	5150.00	41.23 AV	54.00	-12.77	1.22 V	114	32.43	8.80
5	*5190.00	97.05 PK			1.22 V	114	88.22	8.83
6	*5190.00	74.15 AV			1.22 V	114	65.32	8.83
7	#10380.00	59.41 PK	68.20	-8.79	1.00 V	0	41.50	17.91
8	15570.00	64.34 PK	74.00	-9.66	1.00 V	0	40.19	24.15
9	15570.00	43.21 AV	54.00	-10.79	1.00 V	0	19.06	24.15

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
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

5190MHz Horizontal



5190MHz Vertical

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	5014.00	51.02 PK	74.00	-22.98	1.00 H	184	42.35	8.67
2	5014.00	38.12 AV	54.00	-15.88	1.00 H	184	29.45	8.67
3	5150.00	52.84 PK	74.00	-21.16	1.00 H	184	44.04	8.80
4	5150.00	40.40 AV	54.00	-13.60	1.00 H	184	31.60	8.80
5	*5230.00	102.54 PK			1.00 H	184	93.67	8.87
6	*5230.00	80.34 AV			1.00 H	184	71.47	8.87
7	#10460.00	59.21 PK	68.20	-8.99	1.00 H	0	40.93	18.28
8	15690.00	63.22 PK	74.00	-10.78	1.00 H	0	38.85	24.37
9	15690.00	41.31 AV	54.00	-12.69	1.00 H	0	16.94	24.37
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5126.00	52.34 PK	74.00	-21.66	1.28 V	155	43.57	8.77
2	5126.00	38.54 AV	54.00	-15.46	1.28 V	155	29.77	8.77
3	5150.00	52.34 PK	74.00	-21.66	1.28 V	155	43.54	8.80
4	5150.00	41.14 AV	54.00	-12.86	1.28 V	155	32.34	8.80
5	*5230.00	96.54 PK			1.28 V	155	87.67	8.87
6	*5230.00	75.26 AV			1.28 V	155	66.39	8.87
7	#10460.00	59.31 PK	68.20	-8.89	1.00 V	0	41.03	18.28
8	15690.00	64.25 PK	74.00	-9.75	1.00 V	0	39.88	24.37
9	15690.00	44.82 AV	54.00	-9.18	1.00 V	0	20.45	24.37

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
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 2 (5250-5350MHz): ABOVE 1GHz DATA 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	5123.14	52.41 PK	74.00	-21.59	1.00 H	129	43.63	8.78
2	5123.14	39.50 AV	54.00	-14.50	1.00 H	129	30.72	8.78
3	5150.00	49.62 PK	74.00	-24.38	1.00 H	129	40.82	8.80
4	5150.00	38.45 AV	54.00	-15.55	1.00 H	129	29.65	8.80
5	*5260.00	100.61 PK			1.00 H	129	91.71	8.90
6	*5260.00	83.27 AV			1.00 H	129	74.37	8.90
7	5350.00	51.75 PK	74.00	-22.25	1.00 H	129	42.77	8.98
8	5350.00	40.24 AV	54.00	-13.76	1.00 H	129	31.26	8.98
9	5402.00	52.40 PK	74.00	-21.60	1.00 H	129	43.37	9.03
10	5402.00	40.14 AV	54.00	-13.86	1.00 H	129	31.11	9.03
11	#10520.00	58.64 PK	68.20	-9.56	1.00 H	0	40.12	18.52
12	15780.00	64.43 PK	74.00	-9.57	1.00 H	0	39.90	24.53
13	15780.00	44.34 AV	54.00	-9.66	1.00 H	0	19.81	24.53
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	5024.00	48.64 PK	74.00	-25.36	1.00 V	206	39.95	8.69
2	5024.00	37.49 AV	54.00	-16.51	1.00 V	206	28.80	8.69
3	5150.00	52.64 PK	74.00	-21.36	1.00 V	206	43.84	8.80
4	5150.00	38.64 AV	54.00	-15.36	1.00 V	206	29.84	8.80
5	*5260.00	97.64 PK			1.00 V	206	88.74	8.90
6	*5260.00	80.59 AV			1.00 V	206	71.69	8.90
7	5350.00	50.34 PK	74.00	-23.66	1.00 V	206	41.36	8.98
8	5350.00	37.66 AV	54.00	-16.34	1.00 V	206	28.68	8.98
9	5389.00	50.68 PK	74.00	-23.32	1.00 V	206	41.66	9.02
10	5389.00	39.33 AV	54.00	-14.67	1.00 V	206	30.31	9.02
11	#10520.00	59.64 PK	68.20	-8.56	1.00 V	0	41.12	18.52
12	15780.00	65.34 PK	74.00	-8.66	1.00 V	0	40.81	24.53
13	15780.00	44.82 AV	54.00	-9.18	1.00 V	0	20.29	24.53

REMARKS:

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	101.24 PK			1.00 H	266	92.31	8.93
2	*5300.00	84.15 AV			1.00 H	266	75.22	8.93
3	5350.00	52.34 PK	74.00	-21.66	1.00 H	266	43.36	8.98
4	5350.00	38.17 AV	54.00	-15.83	1.00 H	266	29.19	8.98
5	5423.00	52.34 PK	74.00	-21.66	1.00 H	266	43.29	9.05
6	5423.00	40.14 AV	54.00	-13.86	1.00 H	266	31.09	9.05
7	10600.00	58.45 PK	74.00	-15.55	1.00 H	0	39.74	18.71
8	10600.00	44.54 AV	54.00	-9.46	1.00 H	0	25.83	18.71
9	15900.00	64.54 PK	74.00	-9.46	1.00 H	0	39.79	24.75
10	15900.00	46.64 AV	54.00	-7.36	1.00 H	0	21.89	24.75
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	98.51 PK			1.01 V	144	89.58	8.93
2	*5300.00	82.64 AV			1.01 V	144	73.71	8.93
3	5350.00	52.34 PK	74.00	-21.66	1.01 V	144	43.36	8.98
4	5350.00	41.65 AV	54.00	-12.35	1.01 V	144	32.67	8.98
5	5422.00	53.00 PK	74.00	-21.00	1.01 V	144	43.95	9.05
6	5422.00	41.25 AV	54.00	-12.75	1.01 V	144	32.20	9.05
7	10600.00	59.64 PK	74.00	-14.36	1.00 V	0	40.93	18.71
8	10600.00	43.68 AV	54.00	-10.32	1.00 V	0	24.97	18.71
9	**40000.00**	**64.19 PK**	**68.20**	**-4.01**	**1.00 V**	**0**	**35.53**	**28.66**
10	40000.00	43.52 AV	54.00	-10.48	1.00 V	0	14.86	28.66

REMARKS:

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.

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

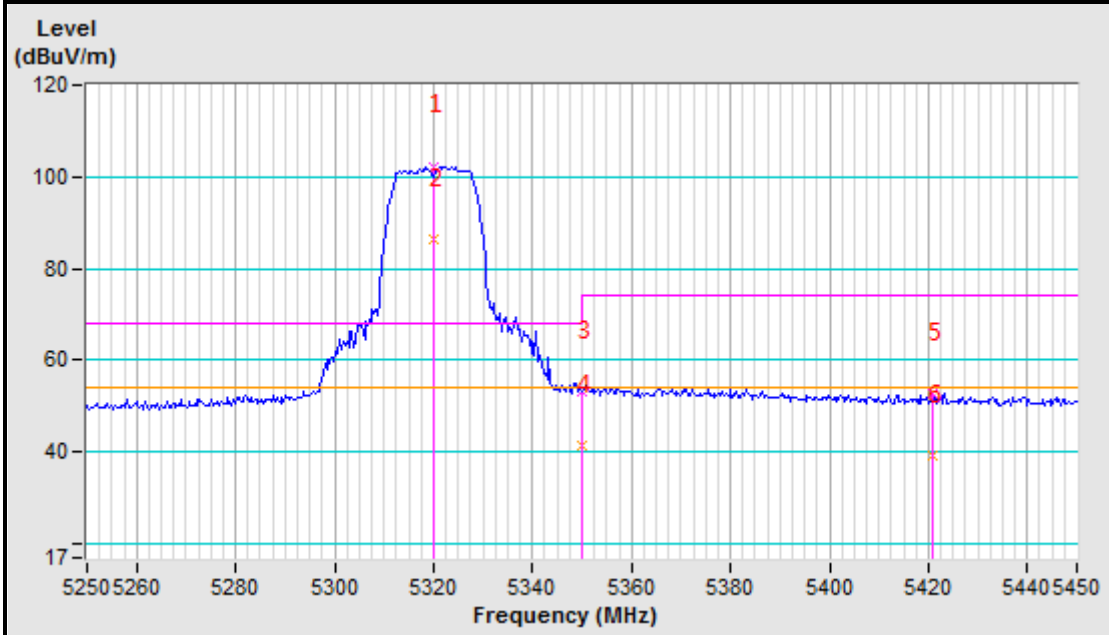
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	102.14 PK			1.00 H	201	93.18	8.96
2	*5320.00	86.25 AV			1.00 H	201	77.29	8.96
3	5350.00	53.05 PK	74.00	-20.95	1.00 H	201	44.07	8.98
4	5350.00	41.24 AV	54.00	-12.76	1.00 H	201	32.26	8.98
5	5421.00	52.64 PK	74.00	-21.36	1.00 H	201	43.59	9.05
6	5421.00	39.19 AV	54.00	-14.81	1.00 H	201	30.14	9.05
7	10640.00	59.64 PK	74.00	-14.36	1.00 H	0	40.83	18.81
8	10640.00	43.86 AV	54.00	-10.14	1.00 H	0	25.05	18.81
9	15960.00	64.41 PK	74.00	-9.59	1.00 H	0	39.54	24.87
10	15960.00	47.52 AV	54.00	-6.48	1.00 H	0	22.65	24.87
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	99.50 PK			1.14 V	98	90.54	8.96
2	*5320.00	83.45 AV			1.14 V	98	74.49	8.96
3	5350.00	52.01 PK	74.00	-21.99	1.14 V	98	43.03	8.98
4	5350.00	38.74 AV	54.00	-15.26	1.14 V	98	29.76	8.98
5	5390.00	53.48 PK	74.00	-20.52	1.14 V	98	44.46	9.02
6	5390.00	39.81 AV	54.00	-14.19	1.14 V	98	30.79	9.02
7	10640.00	59.46 PK	74.00	-14.54	1.00 V	0	40.65	18.81
8	10640.00	43.01 AV	54.00	-10.99	1.00 V	0	24.20	18.81
9	15960.00	64.34 PK	74.00	-9.66	1.00 V	0	39.47	24.87
10	15960.00	47.14 AV	54.00	-6.86	1.00 V	0	22.27	24.87

REMARKS:

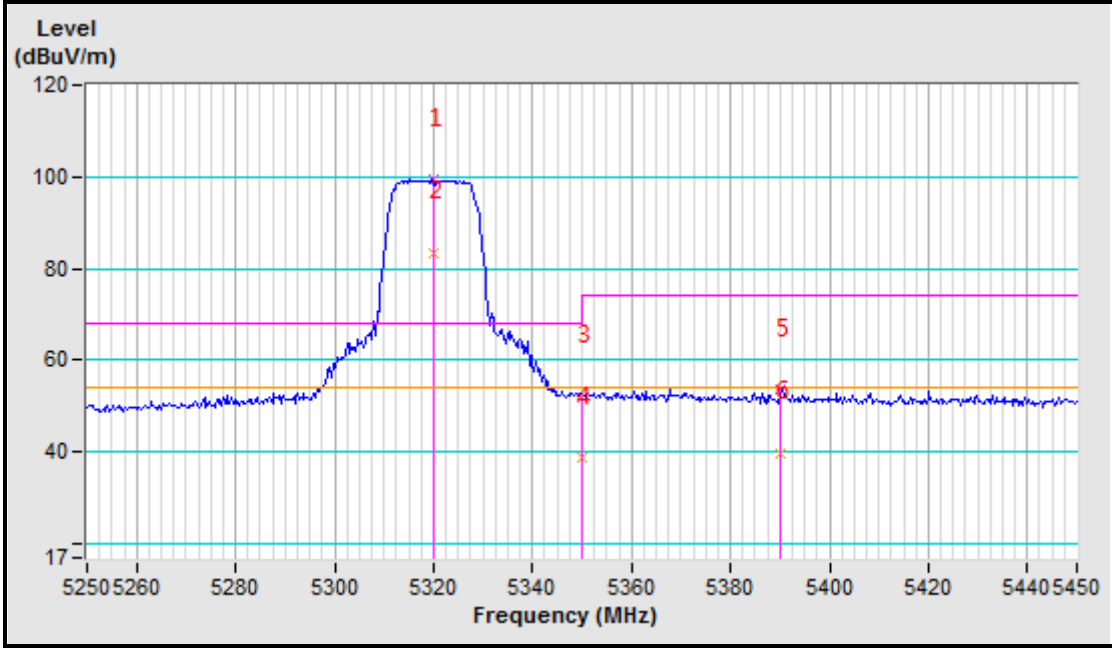
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

Band edge Plot

5320MHz Horizontal



5320MHz Vertical



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	5057.00	51.00 PK	74.00	-23.00	1.24 H	57	42.29	8.71
2	5057.00	38.54 AV	54.00	-15.46	1.24 H	57	29.83	8.71
3	5150.00	49.58 PK	74.00	-24.42	1.24 H	57	40.78	8.80
4	5150.00	38.64 AV	54.00	-15.36	1.24 H	57	29.84	8.80
5	*5260.00	100.91 PK			1.24 H	57	92.01	8.90
6	*5260.00	83.54 AV			1.24 H	57	74.64	8.90
7	5350.00	50.44 PK	74.00	-23.56	1.24 H	57	41.46	8.98
8	5350.00	37.82 AV	54.00	-16.18	1.24 H	57	28.84	8.98
9	5412.00	52.34 PK	74.00	-21.66	1.24 H	57	43.31	9.03
10	5412.00	41.25 AV	54.00	-12.75	1.24 H	57	32.22	9.03
11	#10520.00	59.64 PK	68.20	-8.56	1.00 H	0	41.12	18.52
12	15780.00	64.34 PK	74.00	-9.66	1.00 H	0	39.81	24.53
13	15780.00	45.38 AV	54.00	-8.62	1.00 H	0	20.85	24.53
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	5024.00	48.64 PK	74.00	-25.36	1.00 V	206	39.95	8.69
2	5024.00	37.49 AV	54.00	-16.51	1.00 V	206	28.80	8.69
3	5150.00	52.64 PK	74.00	-21.36	1.00 V	206	43.84	8.80
4	5150.00	38.64 AV	54.00	-15.36	1.00 V	206	29.84	8.80
5	*5260.00	97.64 PK			1.00 V	206	88.74	8.90
6	*5260.00	80.59 AV			1.00 V	206	71.69	8.90
7	5350.00	50.34 PK	74.00	-23.66	1.00 V	206	41.36	8.98
8	5350.00	37.66 AV	54.00	-16.34	1.00 V	206	28.68	8.98
9	5389.00	50.68 PK	74.00	-23.32	1.00 V	206	41.66	9.02
10	5389.00	39.33 AV	54.00	-14.67	1.00 V	206	30.31	9.02
11	#10520.00	59.64 PK	68.20	-8.56	1.00 V	0	41.12	18.52
12	15780.00	65.34 PK	74.00	-8.66	1.00 V	0	40.81	24.53
13	15780.00	44.82 AV	54.00	-9.18	1.00 V	0	20.29	24.53

REMARKS:

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.

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	101.54 PK			1.00 H	241	92.61	8.93
2	*5300.00	85.33 AV			1.00 H	241	76.40	8.93
3	5350.00	52.33 PK	74.00	-21.67	1.00 H	241	43.35	8.98
4	5350.00	39.64 AV	54.00	-14.36	1.00 H	241	30.66	8.98
5	5381.00	52.34 PK	74.00	-21.66	1.00 H	241	43.33	9.01
6	5381.00	39.63 AV	54.00	-14.37	1.00 H	241	30.62	9.01
7	10600.00	59.64 PK	74.00	-14.36	1.00 H	0	40.93	18.71
8	10600.00	42.84 AV	54.00	-11.16	1.00 H	0	24.13	18.71
9	15900.00	64.54 PK	74.00	-9.46	1.00 H	0	39.79	24.75
10	15900.00	45.89 AV	54.00	-8.11	1.00 H	0	21.14	24.75
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	98.64 PK			1.18 V	198	89.71	8.93
2	*5300.00	82.91 AV			1.18 V	198	73.98	8.93
3	5350.00	51.34 PK	74.00	-22.66	1.18 V	186	42.36	8.98
4	5350.00	38.18 AV	54.00	-15.82	1.18 V	186	29.20	8.98
5	5411.00	51.30 PK	74.00	-22.70	1.18 V	186	42.26	9.04
6	5411.00	39.15 AV	54.00	-14.85	1.18 V	186	30.11	9.04
7	10600.00	59.64 PK	74.00	-14.36	1.00 V	0	40.93	18.71
8	10600.00	43.51 AV	54.00	-10.49	1.00 V	0	24.80	18.71
9	15900.00	63.54 PK	74.00	-10.46	1.00 V	0	38.79	24.75
10	15900.00	46.14 AV	54.00	-7.86	1.00 V	0	21.39	24.75

REMARKS:

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.

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

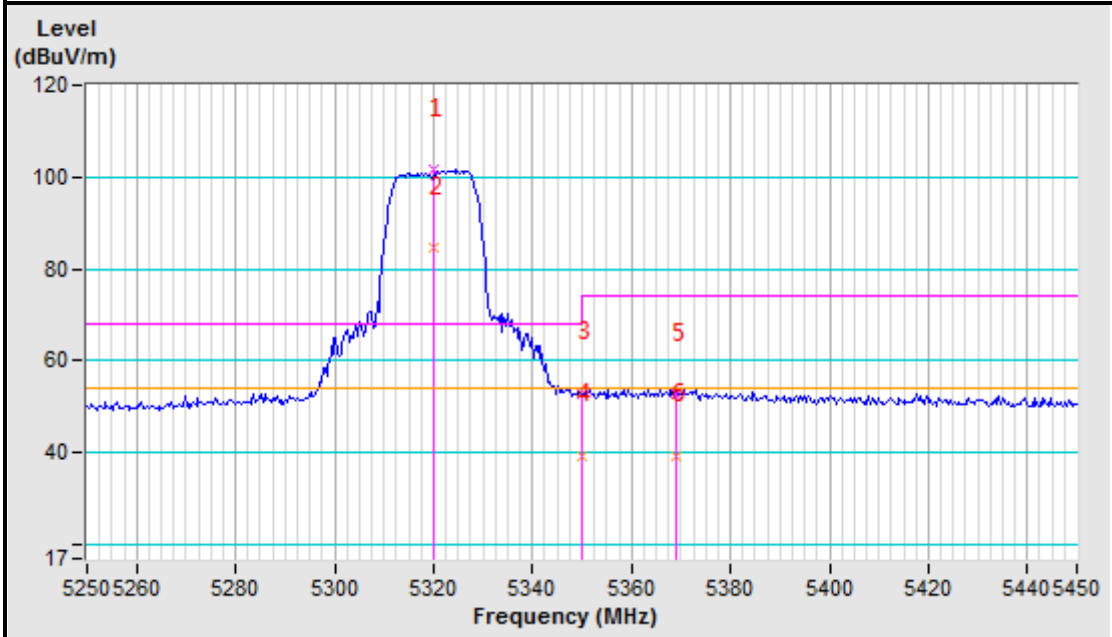
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	101.56 PK			1.00 H	210	92.60	8.96
2	*5320.00	84.52 AV			1.00 H	210	75.56	8.96
3	5350.00	52.96 PK	74.00	-21.04	1.00 H	210	43.98	8.98
4	5350.00	39.41 AV	54.00	-14.59	1.00 H	210	30.43	8.98
5	5369.00	52.58 PK	74.00	-21.42	1.00 H	210	43.58	9.00
6	5369.00	39.41 AV	54.00	-14.59	1.00 H	210	30.41	9.00
7	10640.00	58.64 PK	74.00	-15.36	1.00 H	0	39.83	18.81
8	10640.00	41.36 AV	54.00	-12.64	1.00 H	0	22.55	18.81
9	15960.00	63.41 PK	74.00	-10.59	1.00 H	0	38.54	24.87
10	15960.00	43.54 AV	54.00	-10.46	1.00 H	0	18.67	24.87
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	96.32 PK			1.64 V	184	87.36	8.96
2	*5320.00	78.51 AV			1.64 V	184	69.55	8.96
3	5350.00	49.94 PK	74.00	-24.06	1.64 V	184	40.96	8.98
4	5350.00	37.64 AV	54.00	-16.36	1.64 V	184	28.66	8.98
5	5376.00	51.56 PK	74.00	-22.44	1.64 V	184	42.55	9.01
6	5376.00	39.62 AV	54.00	-14.38	1.64 V	184	30.61	9.01
7	10640.00	59.41 PK	74.00	-14.59	1.00 V	0	40.60	18.81
8	10640.00	43.26 AV	54.00	-10.74	1.00 V	0	24.45	18.81
9	15960.00	64.52 PK	74.00	-9.48	1.00 V	0	39.65	24.87
10	15960.00	45.17 AV	54.00	-8.83	1.00 V	0	20.30	24.87

REMARKS:

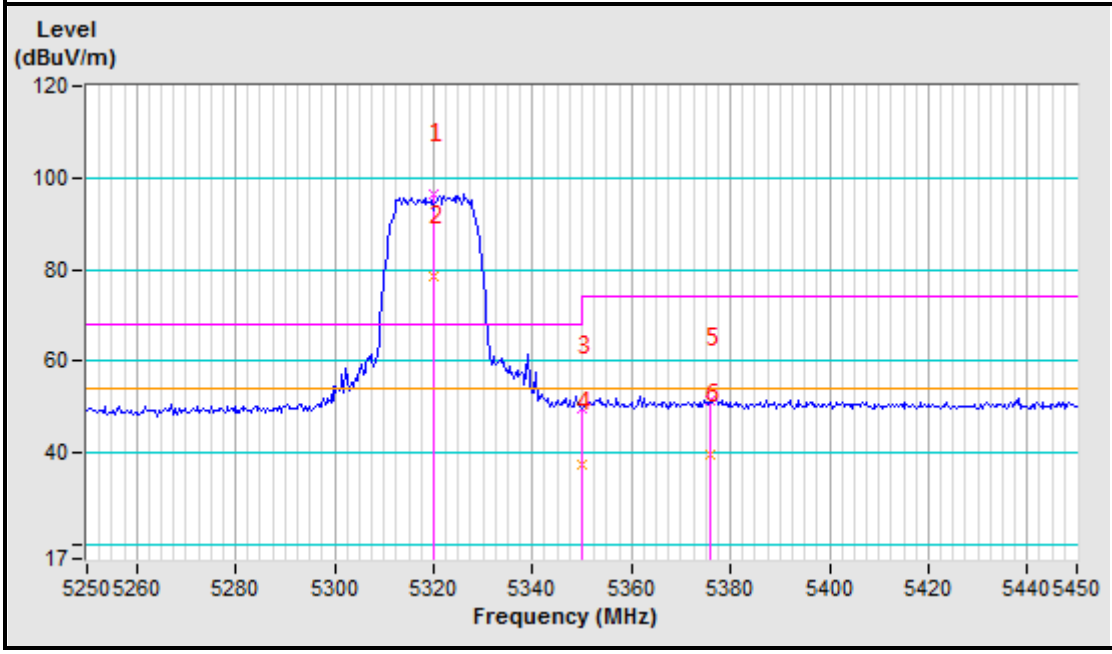
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

Band edge Plot

5320MHz Horizontal



5320MHz Vertical



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	101.34 PK			1.00 H	54	92.43	8.91
2	*5270.00	84.44 AV			1.00 H	54	75.53	8.91
3	5350.00	51.34 PK	74.00	-22.66	1.00 H	54	42.36	8.98
4	5350.00	38.62 AV	54.00	-15.38	1.00 H	54	29.64	8.98
5	5414.00	52.64 PK	74.00	-21.36	1.00 H	54	43.60	9.04
6	5414.00	39.41 AV	54.00	-14.59	1.00 H	54	30.37	9.04
7	#10540.00	59.64 PK	68.20	-8.56	1.00 H	0	41.07	18.57
8	15810.00	64.52 PK	74.00	-9.48	1.00 H	0	39.93	24.59
9	15810.00	46.36 AV	54.00	-7.64	1.00 H	0	21.77	24.59
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5270.00	98.41 PK			1.00 V	152	89.50	8.91
2	*5270.00	80.61 AV			1.00 V	152	71.70	8.91
3	5350.00	51.36 PK	74.00	-22.64	1.00 V	152	42.38	8.98
4	5350.00	39.24 AV	54.00	-14.76	1.00 V	152	30.26	8.98
5	#10540.00	59.64 PK	68.20	-8.56	1.00 V	152	41.07	18.57
6	15810.00	65.46 PK	74.00	-8.54	1.00 V	0	40.87	24.59
7	15810.00	46.64 AV	54.00	-7.36	1.00 V	0	22.05	24.59

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
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.

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

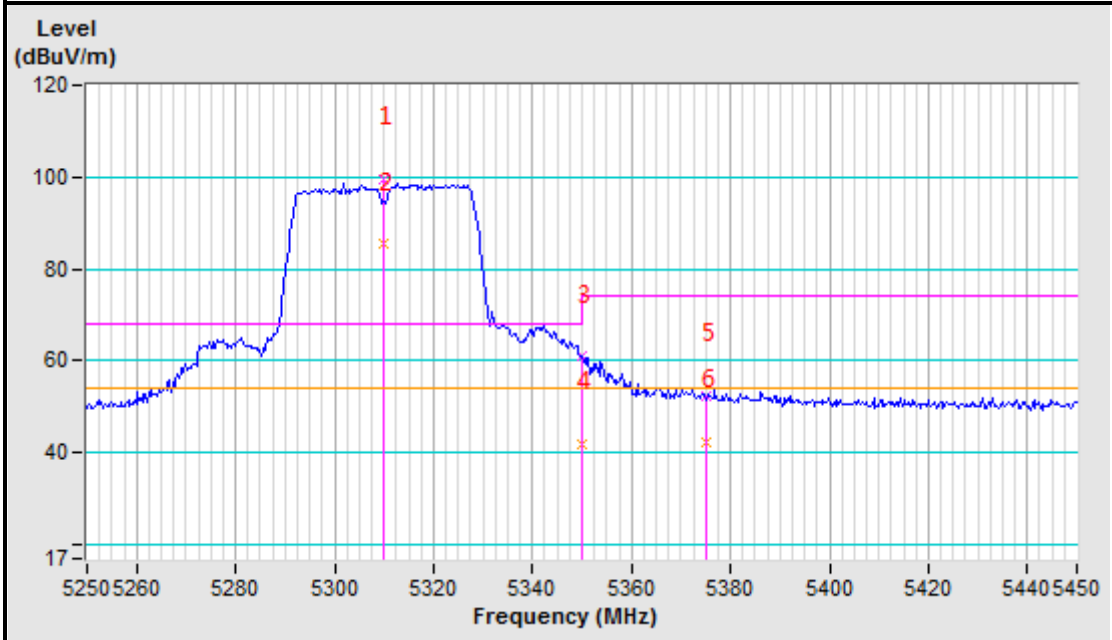
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	99.53 PK			1.00 H	209	90.58	8.95
2	*5310.00	85.41 AV			1.00 H	209	76.46	8.95
3	5350.00	60.97 PK	74.00	-13.03	1.00 H	209	51.99	8.98
4	5350.00	41.92 AV	54.00	-12.08	1.00 H	209	32.94	8.98
5	5375.00	52.53 PK	74.00	-21.47	1.00 H	209	43.52	9.01
6	5375.00	42.35 AV	54.00	-11.65	1.00 H	209	33.34	9.01
7	10620.00	58.52 PK	74.00	-15.48	1.00 H	0	39.76	18.76
8	10620.00	41.64 AV	54.00	-12.36	1.00 H	0	22.88	18.76
9	15930.00	64.52 PK	74.00	-9.48	1.00 H	0	39.71	24.81
10	15930.00	46.34 AV	54.00	-7.66	1.00 H	0	21.53	24.81
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	96.85 PK			1.00 V	98	87.90	8.95
2	*5310.00	84.34 AV			1.00 V	98	75.39	8.95
3	5350.00	56.12 PK	74.00	-17.88	1.00 V	98	47.14	8.98
4	5350.00	41.36 AV	54.00	-12.64	1.00 V	98	32.38	8.98
5	5381.00	52.24 PK	74.00	-21.76	1.00 V	98	43.23	9.01
6	5381.00	41.31 AV	54.00	-12.69	1.00 V	98	32.30	9.01
7	10620.00	59.41 PK	74.00	-14.59	1.00 V	0	40.65	18.76
8	10620.00	43.61 AV	54.00	-10.39	1.00 V	0	24.85	18.76
9	15930.00	64.34 PK	74.00	-9.66	1.00 V	0	39.53	24.81
10	15930.00	46.41 AV	54.00	-7.59	1.00 V	0	21.60	24.81

REMARKS:

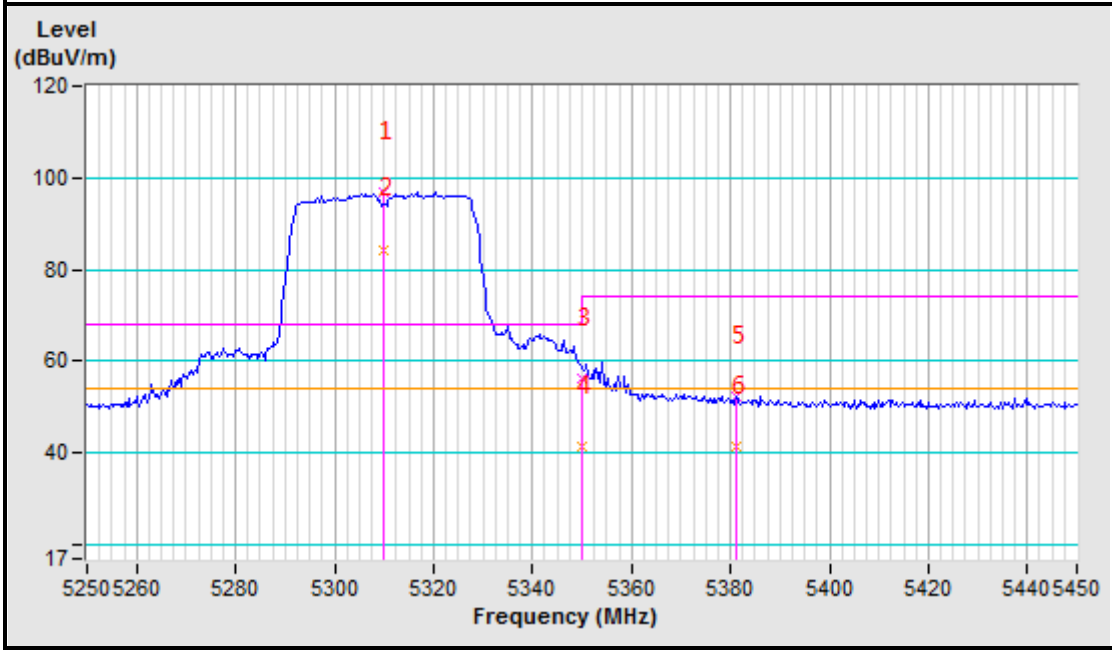
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

Band edge Plot

5310MHz Horizontal



5310MHz Vertical



Band 3 (5470-5725MHz):
ABOVE 1GHz DATA 802.11a

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

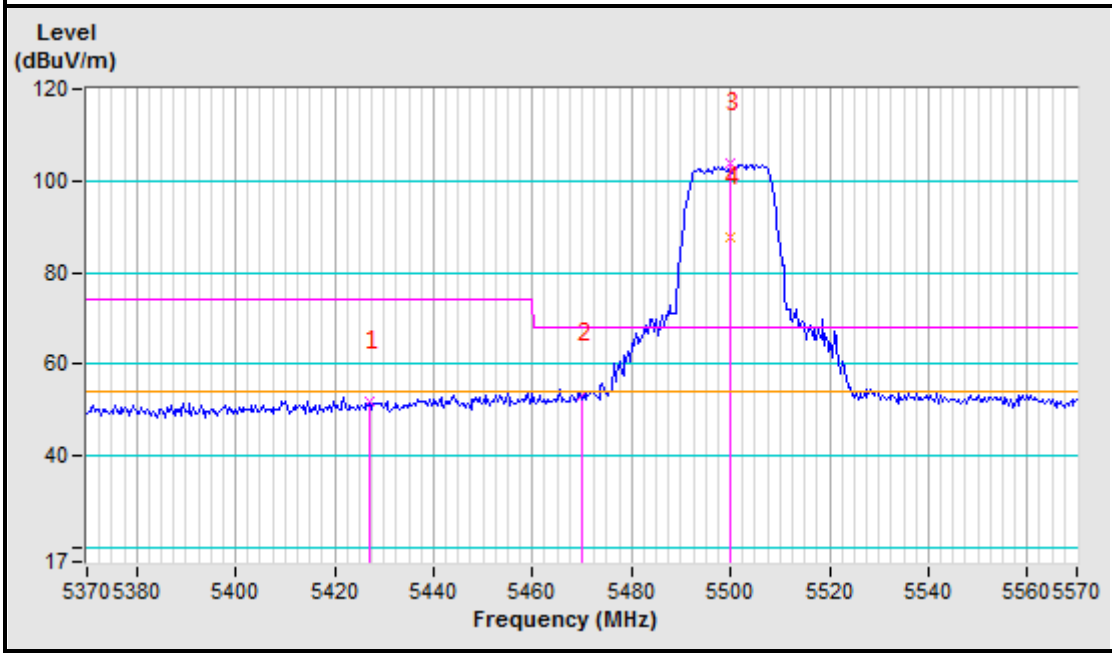
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5427.00	51.88 PK	74.00	-22.12	1.31 H	213	42.83	9.05
2	#5470.00	53.30 PK	68.20	-14.90	1.31 H	213	44.21	9.09
3	*5500.00	103.78 PK			1.31 H	213	94.66	9.12
4	*5500.00	87.64 AV			1.31 H	213	78.52	9.12
5	11000.00	59.54 PK	74.00	-14.46	1.00 H	0	39.86	19.68
6	11000.00	41.34 AV	54.00	-12.66	1.00 H	0	21.66	19.68
7	#16500.00	64.34 PK	68.20	-3.86	1.00 H	0	38.91	25.43
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	5431.00	50.25 PK	74.00	-23.75	1.00 V	47	41.19	9.06
2	#5470.00	51.74 PK	68.20	-16.46	1.06 V	47	42.65	9.09
3	#5470.00	39.64 AV	54.00	-14.36	1.06 V	47	30.55	9.09
4	*5500.00	98.98 PK			1.06 V	47	89.86	9.12
6	*5500.00	87.64 AV			1.06 V	47	78.52	9.12
7	11000.00	56.34 PK	74.00	-17.66	1.00 V	0	36.66	19.68
8	11000.00	41.31 AV	54.00	-12.69	1.00 V	0	21.63	19.68
9	#16500.00	63.12 PK	68.20	-5.08	1.00 V	0	37.69	25.43

REMARKS:

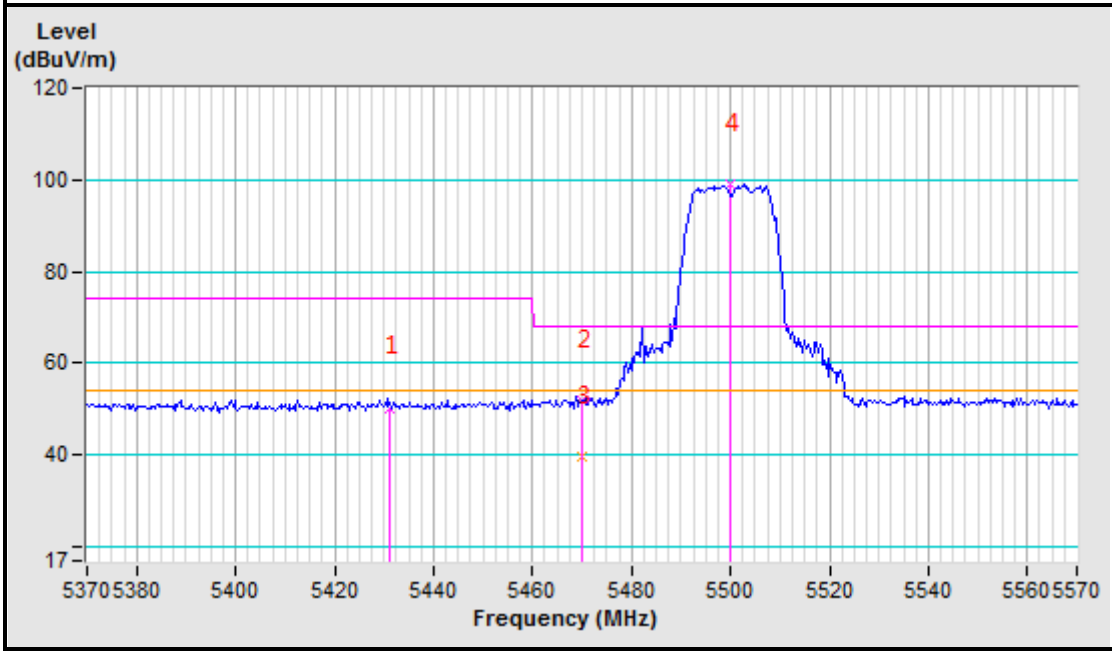
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5500MHz Horizontal



5500MHz Vertical



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	52.34 PK	68.20	-15.86	1.00 H	209	43.25	9.09
2	*5580.00	103.64 PK			1.00 H	209	94.22	9.42
3	*5580.00	87.51 AV			1.00 H	209	78.09	9.42
4	11160.00	59.64 PK	74.00	-14.36	1.00 H	0	39.69	19.95
5	11160.00	41.52 AV	54.00	-12.48	1.00 H	0	21.57	19.95
6	#16500.00	65.34 PK	68.20	-2.86	1.00 H	0	39.91	25.43
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	53.41 PK	68.20	-14.79	1.54 V	14	44.32	9.09
2	*5580.00	99.78 PK			1.54 V	14	90.36	9.42
3	*5580.00	86.41 AV			1.54 V	14	76.99	9.42
4	11160.00	59.41 PK	74.00	-14.59	1.00 V	0	39.46	19.95
5	11160.00	42.16 AV	54.00	-11.84	1.00 V	0	22.21	19.95
6	#16740.00	65.95 PK	68.20	-2.25	1.00 V	0	39.75	26.20

REMARKS:

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.

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

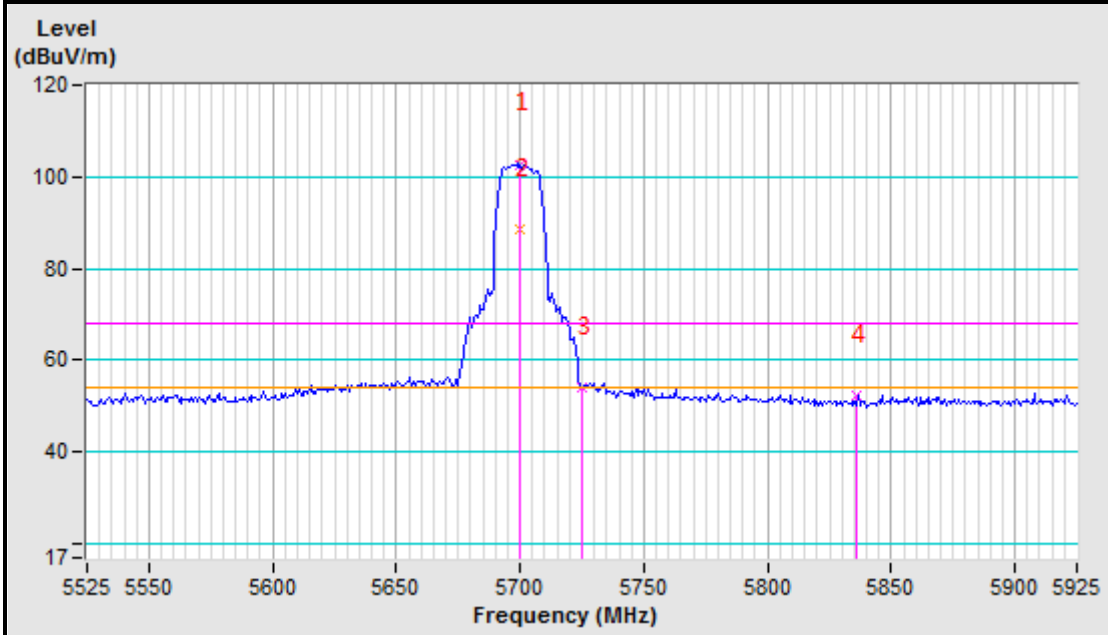
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	102.69 PK			1.66 H	204	92.82	9.87
2	*5700.00	88.58 AV			1.66 H	204	78.71	9.87
3	#5725.00	53.89 PK	68.20	-14.31	1.66 H	204	43.93	9.96
4	#5836.00	52.27 PK	68.20	-15.93	1.66 H	204	41.90	10.37
5	11400.00	58.41 PK	74.00	-15.59	1.00 H	0	38.06	20.35
6	11400.00	42.34 AV	54.00	-11.66	1.00 H	0	21.99	20.35
7	#17100.00	63.14 PK	68.20	-5.06	1.00 H	0	36.00	27.14
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	100.40 PK			1.00 V	360	90.53	9.87
2	*5700.00	88.41 AV			1.00 V	360	78.54	9.87
3	#5725.00	53.83 PK	68.20	-14.37	1.00 V	94	43.87	9.96
4	#5796.00	51.58 PK	68.20	-16.62	1.00 V	94	41.36	10.22
5	11400.00	59.31 PK	74.00	-14.69	1.00 V	0	38.96	20.35
6	11400.00	41.63 AV	54.00	-12.37	1.00 V	0	21.28	20.35
7	#17100.00	65.29 PK	68.20	-2.91	1.00 V	0	38.15	27.14

REMARKS:

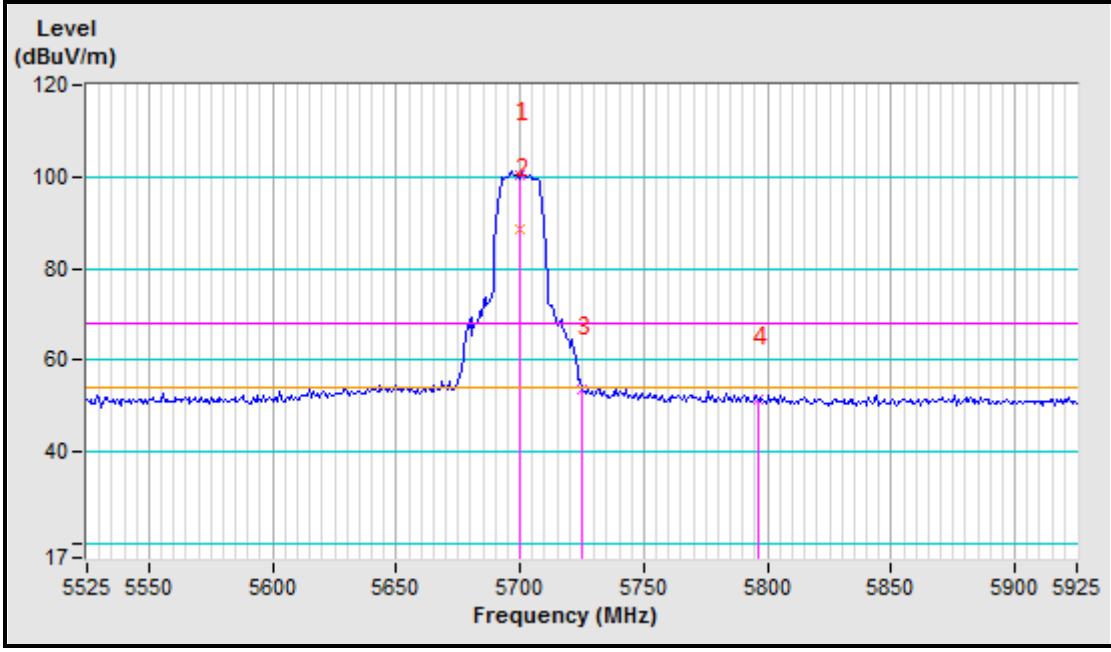
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5700MHz Horizontal



5700MHz Vertical



802.11n (20MHz)

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

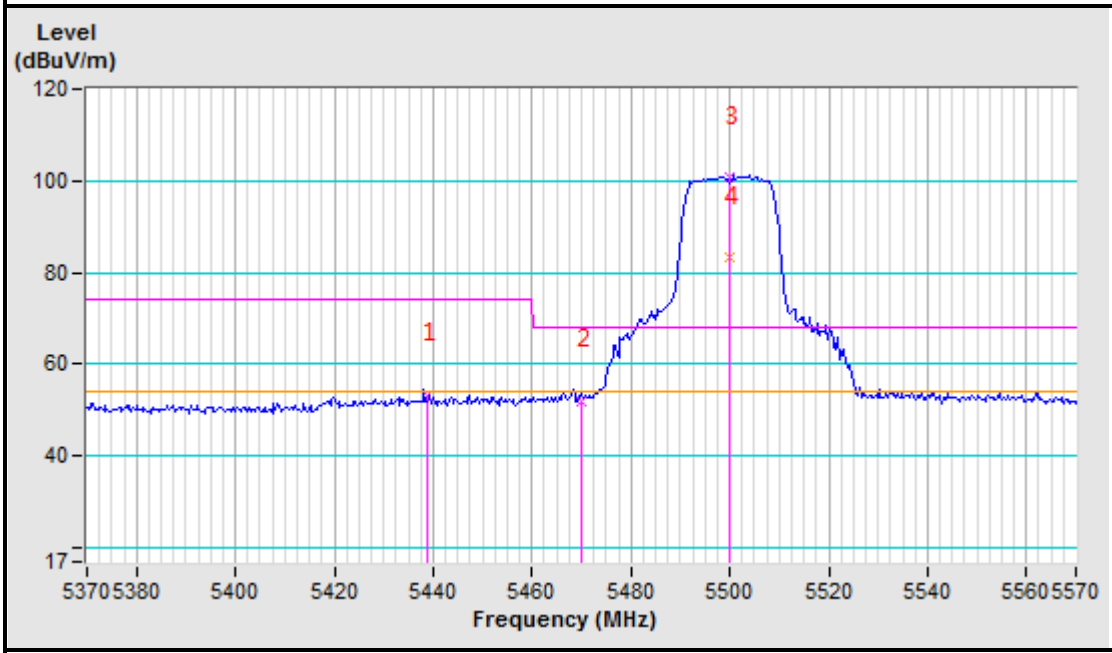
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5439.00	53.26 PK	74.00	-20.74	1.38 H	195	44.19	9.07
2	#5470.00	52.11 PK	68.20	-16.09	1.38 H	195	43.02	9.09
3	*5500.00	100.74 PK			1.38 H	195	91.62	9.12
4	*5500.00	83.15 AV			1.38 H	195	74.03	9.12
5	11000.00	56.41 PK	74.00	-17.59	1.00 H	0	36.73	19.68
6	11000.00	42.58 AV	54.00	-11.42	1.00 H	0	22.90	19.68
7	#16500.00	65.32 PK	68.20	-2.88	1.00 H	0	39.89	25.43
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	5442.00	51.15 PK	74.00	-22.85	1.00 V	101	42.09	9.06
2	#5470.00	50.20 PK	68.20	-18.00	1.00 V	101	41.11	9.09
3	*5500.00	89.77 PK			1.00 V	101	80.65	9.12
4	*5500.00	76.41 AV			1.00 V	101	67.29	9.12
5	11000.00	59.64 PK	74.00	-14.36	1.00 V	0	39.96	19.68
6	11000.00	44.33 AV	54.00	-9.67	1.00 V	0	24.65	19.68
7	#16500.00	64.35 PK	68.20	-3.85	1.00 V	0	38.92	25.43

REMARKS:

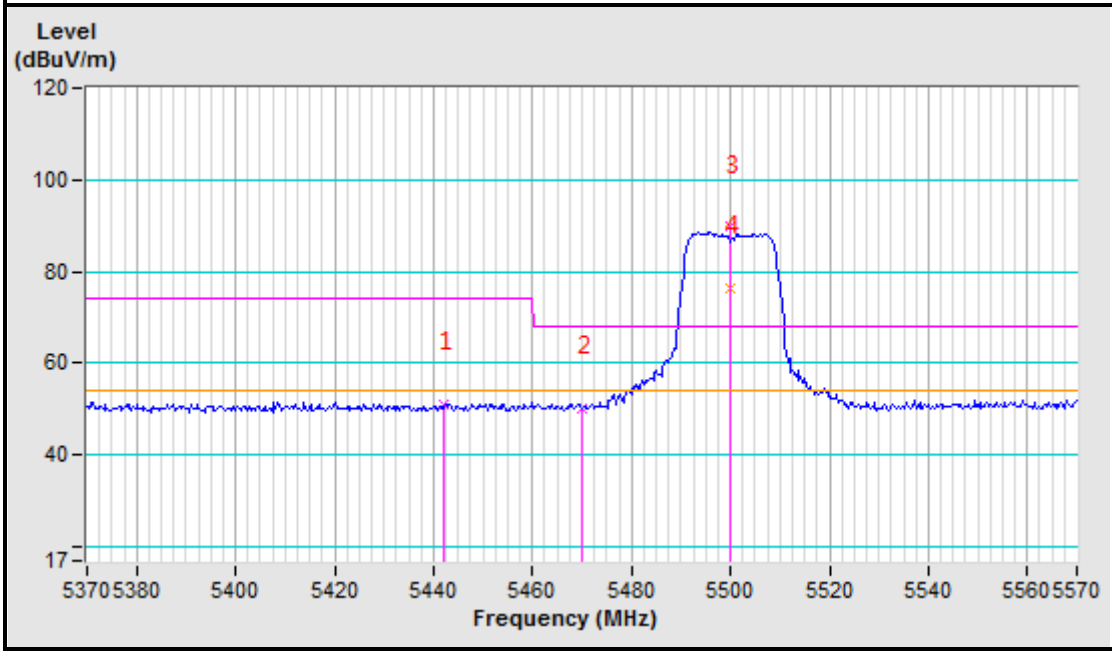
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5500MHz Horizontal



5500MHz Vertical



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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	53.64 PK	68.20	-14.56	1.00 H	194	44.55	9.09
2	*5580.00	101.65 PK			1.00 H	194	92.23	9.42
3	*5580.00	85.36 AV			1.00 H	194	75.94	9.42
4	11160.00	58.31 PK	74.00	-15.69	1.00 H	0	38.36	19.95
5	11160.00	41.25 AV	54.00	-12.75	1.00 H	0	21.30	19.95
6	#16740.00	65.34 PK	68.20	-2.86	1.00 H	0	39.14	26.20
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	52.41 PK	68.20	-15.79	1.00 V	55	43.32	9.09
2	*5580.00	92.34 PK			1.00 V	55	82.92	9.42
3	*5580.00	75.36 AV			1.00 V	55	65.94	9.42
4	11160.00	59.64 PK	74.00	-14.36	1.00 V	0	39.69	19.95
5	11160.00	43.68 AV	54.00	-10.32	1.00 V	0	23.73	19.95
6	#16740.00	65.22 PK	68.20	-2.98	1.00 V	0	39.02	26.20

REMARKS:

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.

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

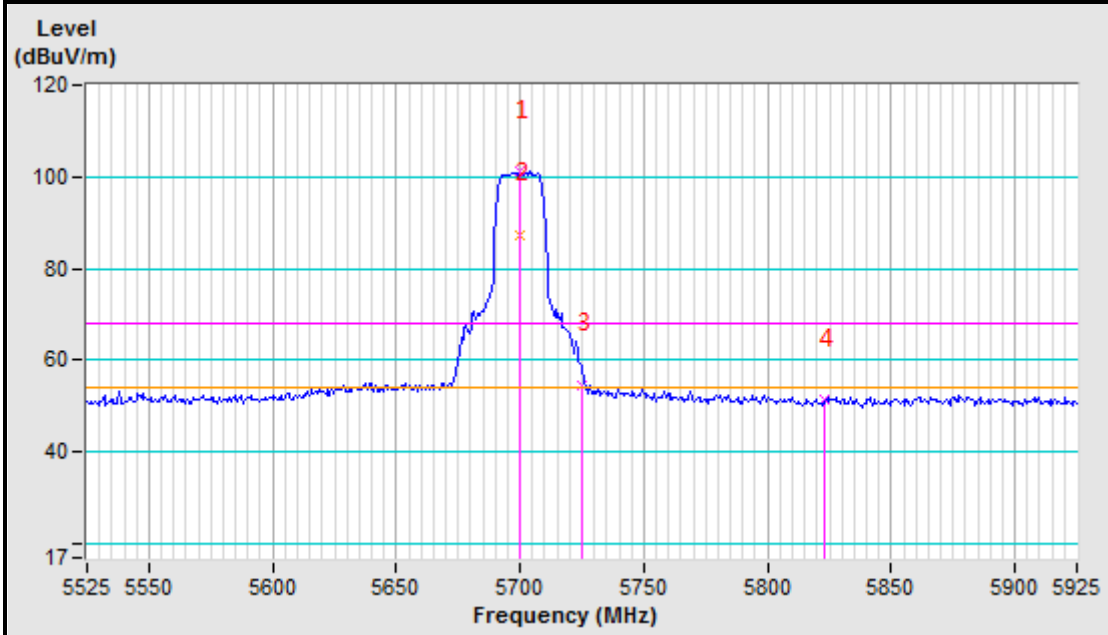
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	101.02 PK			1.66 H	201	91.15	9.87
2	*5700.00	87.29 AV			1.66 H	201	77.42	9.87
3	#5725.00	54.60 PK	68.20	-13.60	1.66 H	201	44.64	9.96
4	#5823.00	51.38 PK	68.20	-16.82	1.66 H	201	41.06	10.32
5	11400.00	59.26 PK	74.00	-14.74	1.00 H	0	38.91	20.35
6	11400.00	42.35 AV	54.00	-11.65	1.00 H	0	22.00	20.35
7	#17100.00	65.15 PK	68.20	-3.05	1.00 H	0	38.01	27.14
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	97.22 PK			1.00 V	155	87.35	9.87
2	*5700.00	81.63 AV			1.00 V	155	71.76	9.87
3	#5725.00	54.24 PK	68.20	-13.96	1.00 V	155	44.28	9.96
4	#5780.00	51.71 PK	68.20	-16.49	1.00 V	155	41.55	10.16
5	11400.00	56.41 PK	74.00	-17.59	1.00 V	0	36.06	20.35
6	11400.00	37.19 AV	54.00	-16.81	1.00 V	0	16.84	20.35
7	#17100.00	65.12 PK	68.20	-3.08	1.00 V	0	37.98	27.14

REMARKS:

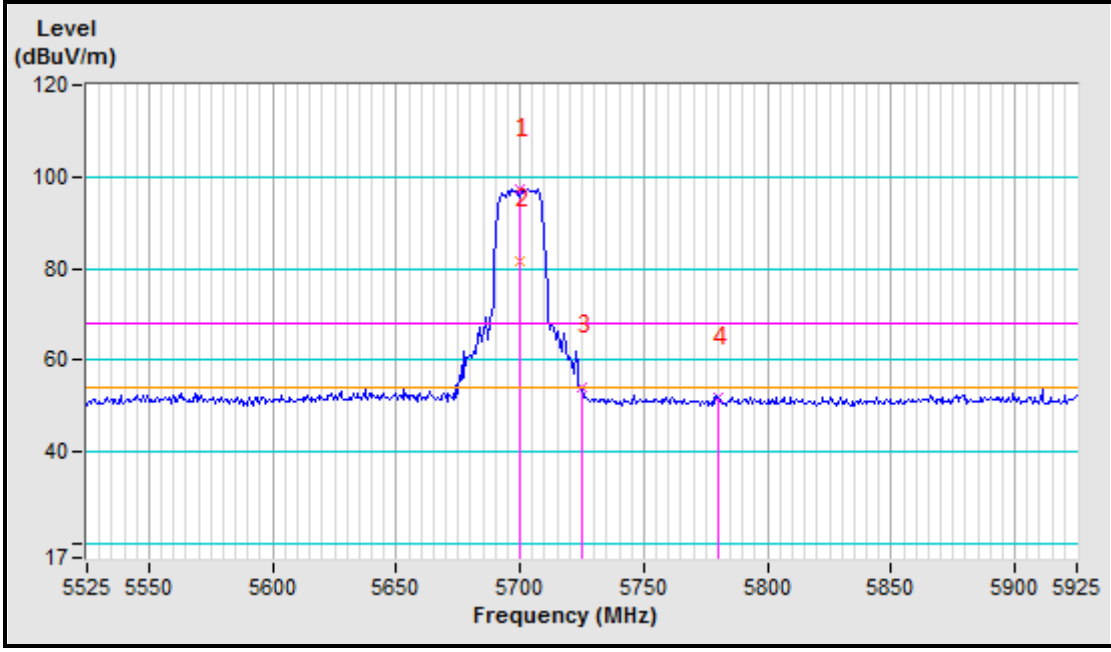
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5700MHz Horizontal



5700MHz Vertical



802.11n (40MHz)

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

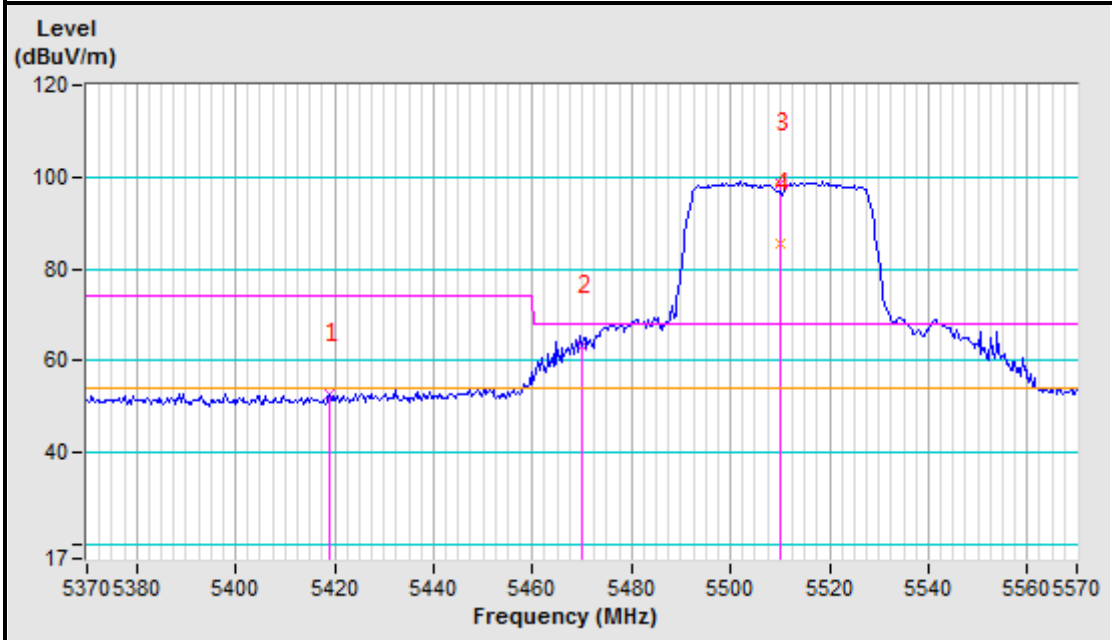
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5419.00	52.64 PK	74.00	-21.36	1.67 H	196	43.59	9.05
2	#5470.00	63.11 PK	68.20	-5.09	1.67 H	196	54.02	9.09
3	*5510.00	98.44 PK			1.67 H	196	89.28	9.16
4	*5510.00	85.52 AV			1.67 H	196	76.36	9.16
5	11020.00	59.64 PK	74.00	-14.36	1.00 H	0	39.93	19.71
6	11020.00	43.68 AV	54.00	-10.32	1.00 H	0	23.97	19.71
7	**#16530.00**	**66.52 PK**	**68.20**	**-1.68**	**1.00 H**	**0**	**40.99**	**25.53**
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	5457.00	51.50 PK	74.00	-22.50	1.00 V	93	42.42	9.08
2	#5470.00	57.42 PK	68.20	-10.78	1.00 V	93	48.33	9.09
3	*5510.00	95.22 PK			1.00 V	93	86.06	9.16
4	*5510.00	84.31 AV			1.00 V	93	75.15	9.16
5	11020.00	59.54 PK	74.00	-14.46	1.00 V	0	39.83	19.71
6	11020.00	42.31 AV	54.00	-11.69	1.00 V	0	22.60	19.71
7	#16530.00	63.21 PK	68.20	-4.99	1.00 V	0	37.68	25.53

REMARKS:

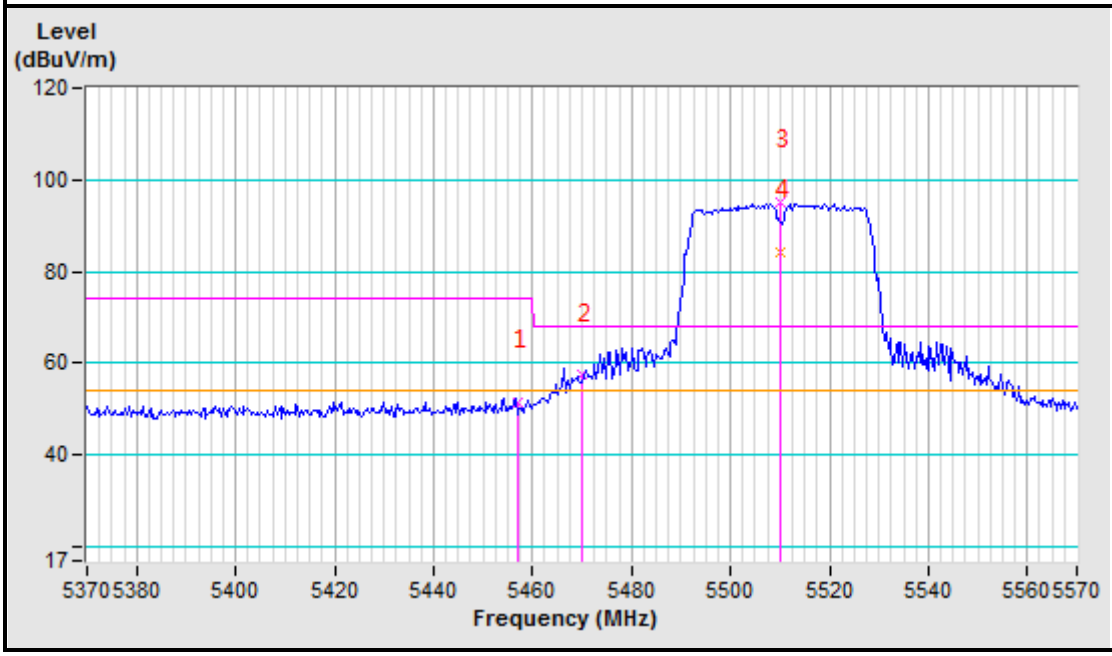
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5510MHz Horizontal



5510MHz Vertical



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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	52.54 PK	68.20	-15.66	1.00 H	151	43.45	9.09
2	*5550.00	101.54 PK			1.00 H	151	92.23	9.31
3	*5550.00	87.34 AV			1.00 H	151	78.03	9.31
4	11100.00	59.61 PK	74.00	-14.39	1.00 H	0	39.77	19.84
5	11100.00	40.11 AV	54.00	-13.89	1.00 H	0	20.27	19.84
6	#16650.00	64.11 PK	68.20	-4.09	1.00 H	0	38.20	25.91
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	53.14 PK	68.20	-15.06	1.00 V	255	44.05	9.09
2	*5550.00	96.36 PK			1.00 V	255	87.05	9.31
3	*5550.00	81.36 AV			1.00 V	255	72.05	9.31
4	11100.00	59.41 PK	74.00	-14.59	1.00 V	0	39.57	19.84
5	11100.00	41.24 AV	54.00	-12.76	1.00 V	0	21.40	19.84
6	#16650.00	64.25 PK	68.20	-3.95	1.00 V	0	38.34	25.91

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
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.

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

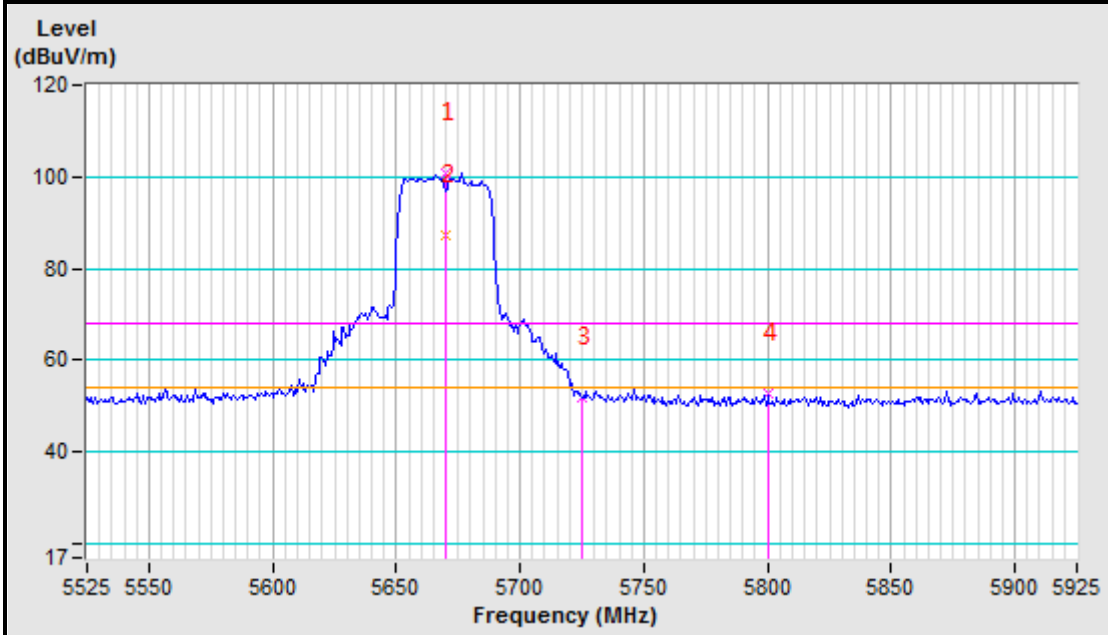
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	100.62 PK			1.49 H	201	90.87	9.75
2	*5670.00	87.13 AV			1.49 H	201	77.38	9.75
3	#5725.00	51.86 PK	68.20	-16.34	1.49 H	201	41.90	9.96
4	#5800.00	52.57 PK	68.20	-15.63	1.49 H	201	42.34	10.23
5	11340.00	59.41 PK	74.00	-14.59	1.00 H	0	39.17	20.24
6	11340.00	41.13 AV	54.00	-12.87	1.00 H	0	20.89	20.24
7	#17010.00	65.16 PK	68.20	-3.04	1.00 H	0	38.13	27.03
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	97.09 PK			1.10 V	93	87.34	9.75
2	*5670.00	83.14 AV			1.10 V	93	73.39	9.75
3	#5725.00	51.91 PK	68.20	-16.29	1.10 V	93	41.95	9.96
4	#5814.00	52.41 PK	68.20	-15.79	1.10 V	93	42.12	10.29
5	11340.00	59.48 PK	74.00	-14.52	1.00 V	0	39.24	20.24
6	11340.00	41.33 AV	54.00	-12.67	1.00 V	0	21.09	20.24
7	#17010.00	64.25 PK	68.20	-3.95	1.00 V	0	37.22	27.03

REMARKS:

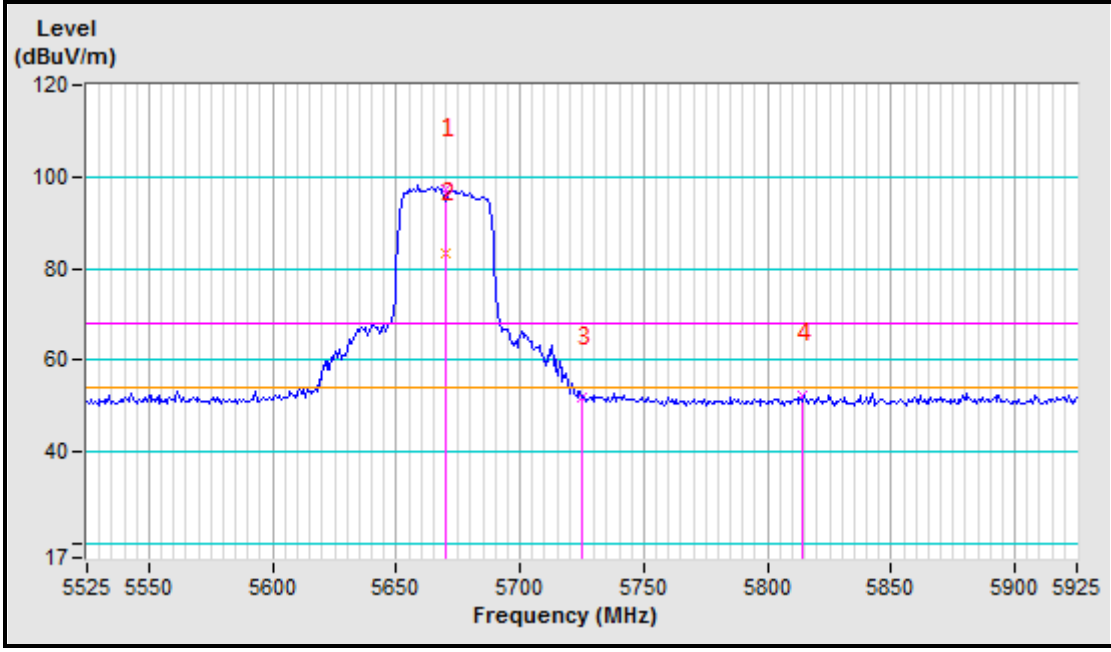
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5670MHz Horizontal



5670MHz Vertical



Band 4 (5725-5850MHz):

ABOVE 1GHz DATA

802.11a

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

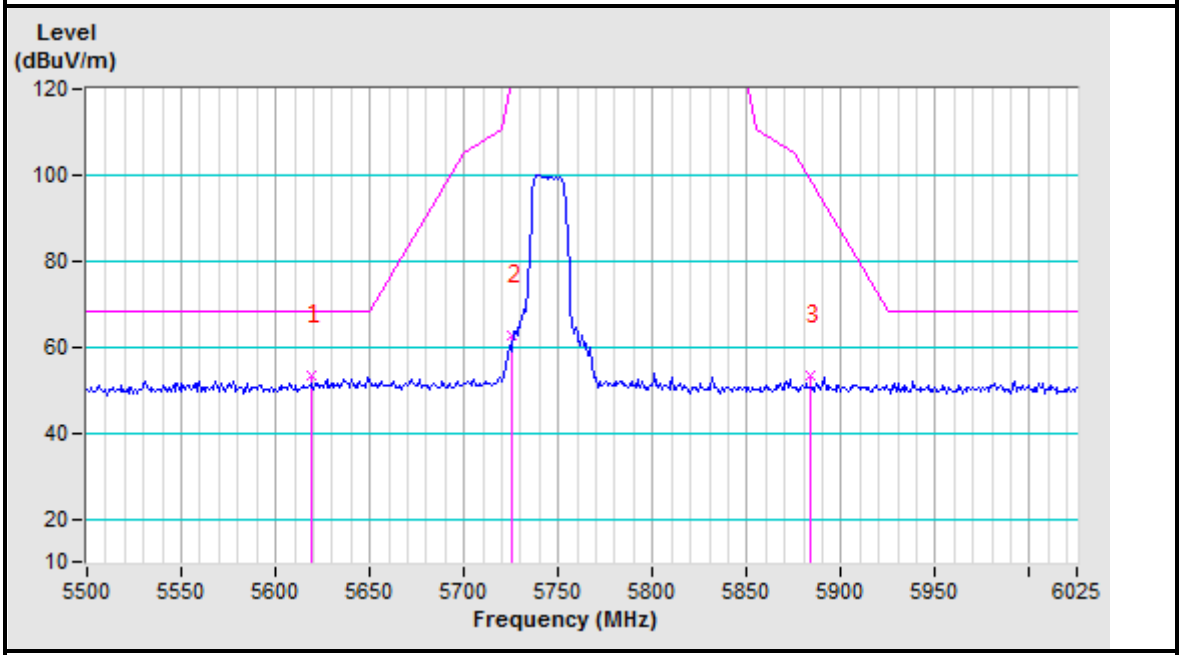
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5618.99	53.30 PK	68.20	-14.90	1.34 H	203	43.73	9.57
2	#5725.00	62.67 PK	122.20	-59.53	1.34 H	203	52.71	9.96
3	*5745.00	100.56 PK			1.00 H	206	90.53	10.03
4	*5745.00	83.96 AV			1.00 H	206	73.93	10.03
5	#5883.17	53.29 PK	99.13	-45.84	1.34 H	203	42.74	10.55
6	11490.00	58.71 PK	74.00	-15.29	1.00 H	0	38.22	20.49
7	11490.00	42.64 AV	54.00	-11.36	1.00 H	0	22.15	20.49
8	#17235.00	62.41 PK	68.20	-5.79	1.00 H	0	35.10	27.31
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	#5593.39	52.53 PK	68.20	-15.67	2.00 V	88	43.06	9.47
2	#5710.34	50.60 PK	108.10	-57.50	2.00 V	88	40.70	9.90
3	*5745.00	97.92 PK			1.00 V	214	87.89	10.03
4	*5745.00	80.17 AV			1.00 V	214	70.14	10.03
5	#5885.70	52.42 PK	97.26	-44.84	2.00 V	88	41.86	10.56
6	11490.00	58.64 PK	74.00	-15.36	1.00 V	0	38.15	20.49
7	11490.00	41.58 AV	54.00	-12.42	1.00 V	0	21.09	20.49
8	#17235.00	62.14 PK	68.20	-6.06	1.00 V	0	34.83	27.31

REMARKS:

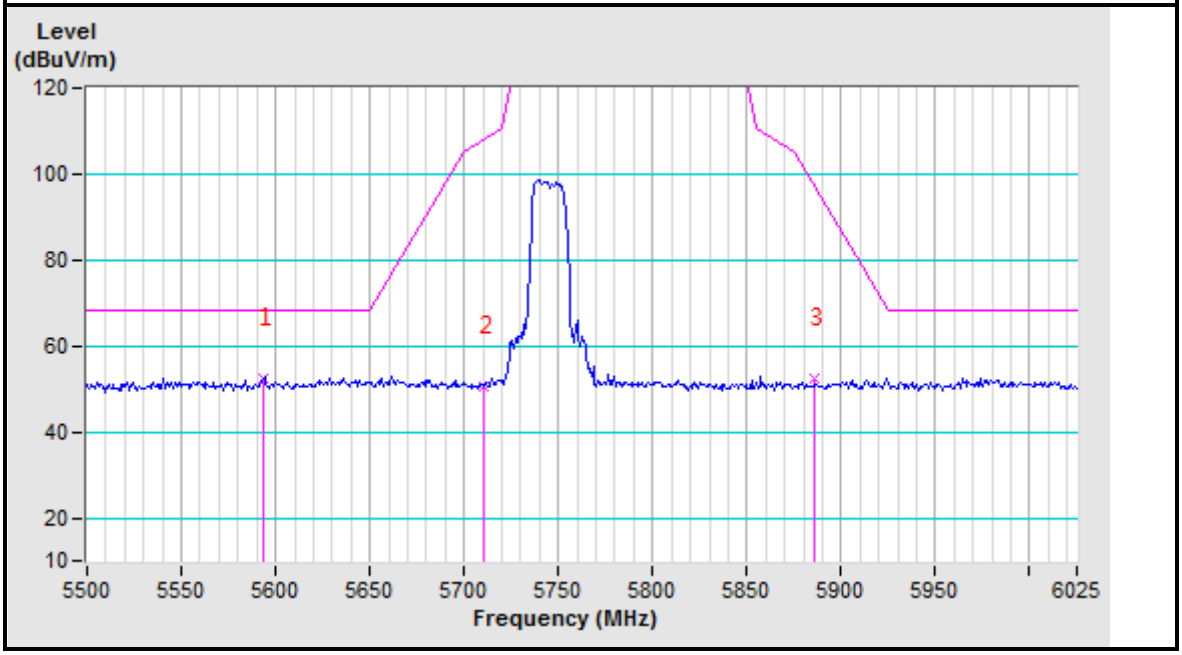
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5745MHz Horizontal



5745MHz Vertical



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

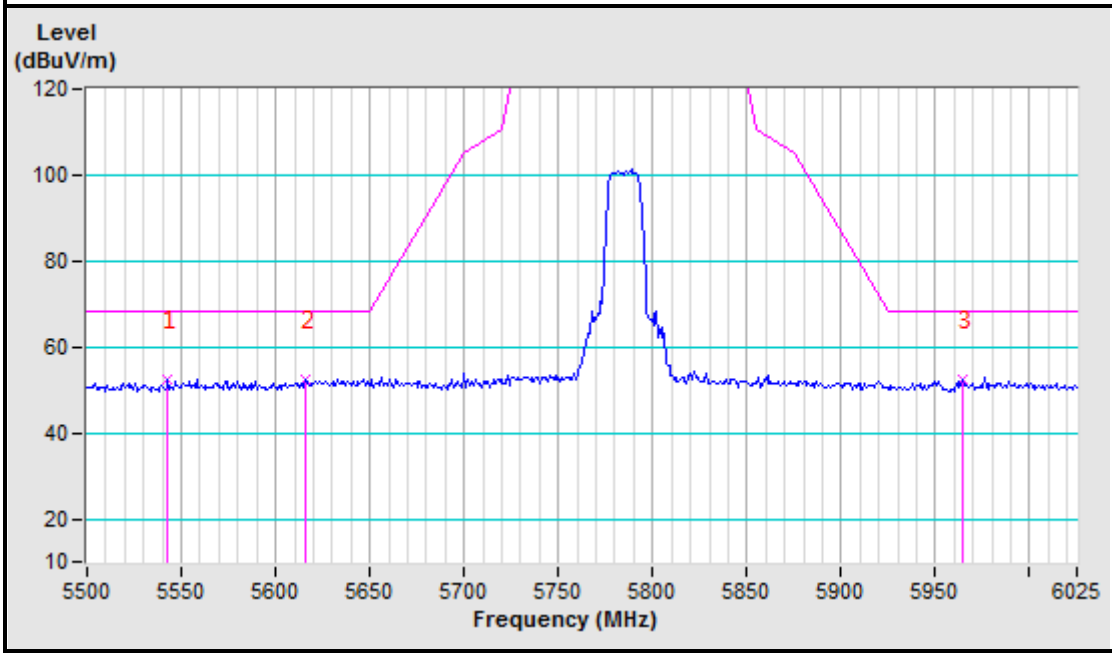
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5542.91	52.28 PK	68.20	-15.92	1.49 H	203	43.00	9.28
2	#5616.11	52.26 PK	68.20	-15.94	1.49 H	203	42.71	9.55
3	*5785.00	100.94 PK			1.00 H	0	90.76	10.18
4	*5785.00	84.31 AV			1.00 H	0	74.13	10.18
5	#5964.42	52.24 PK	68.20	-15.96	1.49 H	203	41.39	10.85
6	11570.00	59.41 PK	74.00	-14.59	1.00 H	0	38.75	20.66
7	11570.00	41.94 AV	54.00	-12.06	1.00 H	0	21.28	20.66
8	#17355.00	63.14 PK	68.20	-5.06	1.00 H	0	35.68	27.46
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	#5527.76	52.07 PK	68.20	-16.13	1.00 V	90	42.85	9.22
2	#5635.46	53.21 PK	68.20	-14.99	1.00 V	90	43.59	9.62
3	*5785.00	99.47 PK			1.00 V	57	89.29	10.18
4	*5785.00	82.92 AV			1.00 V	57	72.74	10.18
5	#5954.33	51.72 PK	68.20	-16.48	1.00 V	90	40.91	10.81
6	11570.00	59.64 PK	74.00	-14.36	1.00 V	0	38.98	20.66
7	11570.00	41.55 AV	54.00	-12.45	1.00 V	0	20.89	20.66
8	#17355.00	64.84 PK	68.20	-3.36	1.00 V	0	37.38	27.46

REMARKS:

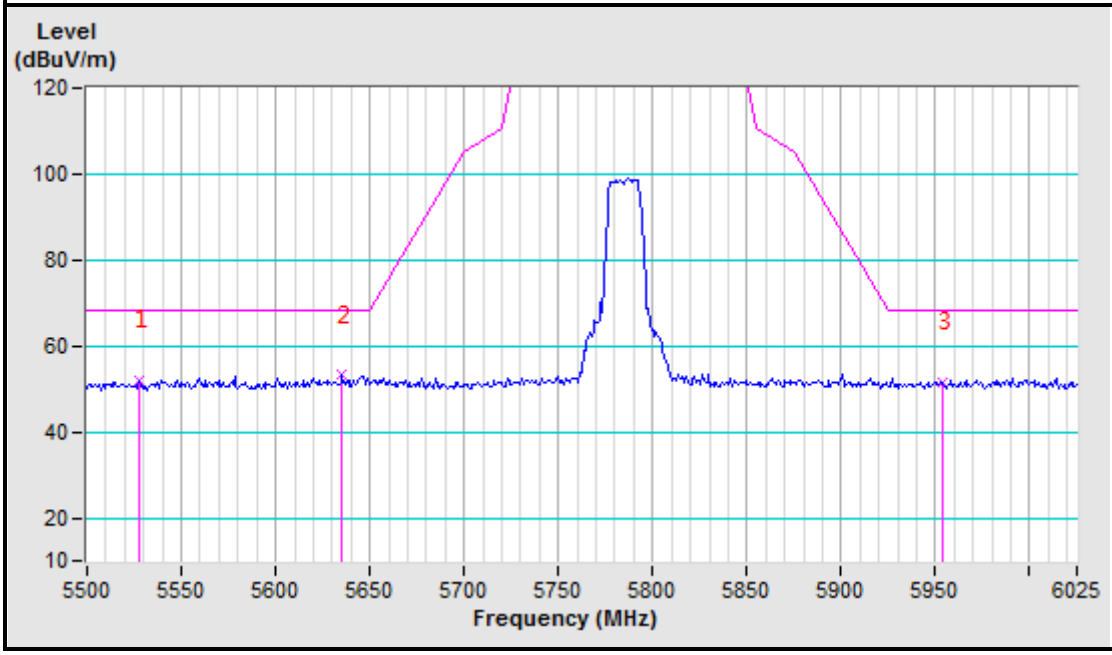
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5785MHz Horizontal



5785MHz Vertical



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

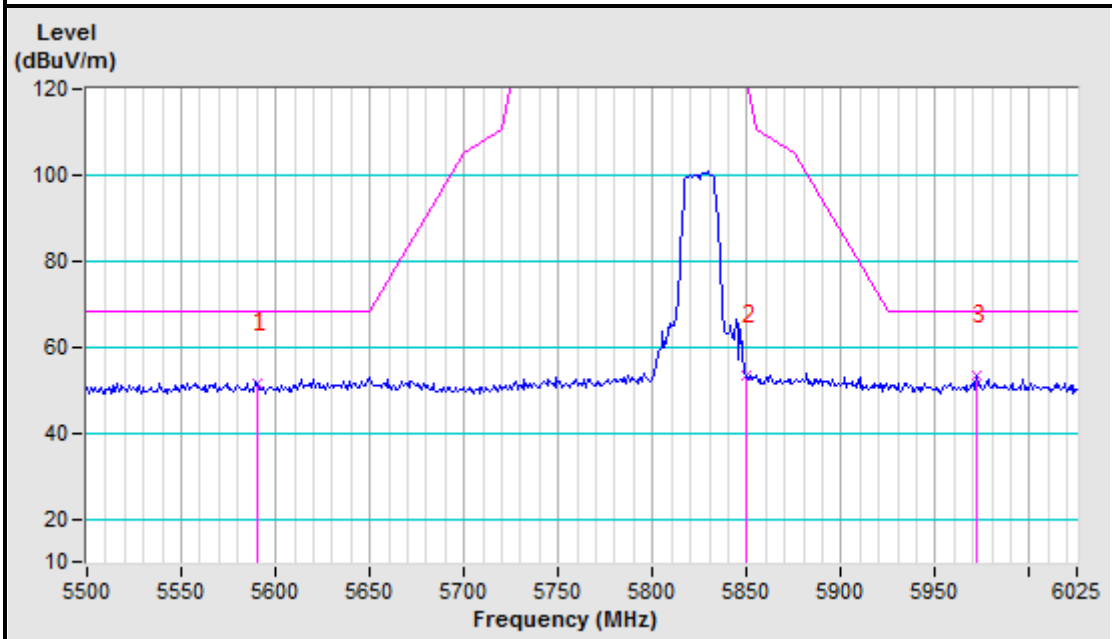
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5590.87	51.56 PK	68.20	-16.64	1.67 H	204	42.11	9.45
2	*5825.00	101.29 PK			1.00 H	124	90.96	10.33
3	*5825.00	85.97 AV			1.00 H	124	75.64	10.33
4	#5850.00	53.48 PK	152.20	-98.72	1.67 H	204	43.06	10.42
5	#5972.00	53.27 PK	68.20	-14.93	1.67 H	204	42.39	10.88
6	11650.00	59.64 PK	74.00	-14.36	1.00 H	0	38.80	20.84
7	11650.00	41.67 AV	54.00	-12.33	1.00 H	0	20.83	20.84
8	#17475.00	61.85 PK	68.20	-6.35	1.00 H	0	34.24	27.61
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5586.66	53.76 PK	68.20	-14.44	1.00 V	0	44.32	9.44
2	*5825.00	99.13 PK			1.00 V	14	88.80	10.33
3	*5825.00	83.07 AV			1.00 V	14	72.74	10.33
4	#5850.00	51.42 PK	152.20	-100.78	1.00 V	0	41.00	10.42
5	#5961.90	52.10 PK	68.20	-16.10	1.00 V	0	41.26	10.84
6	11650.00	59.41 PK	74.00	-14.59	1.00 V	0	38.57	20.84
7	11650.00	42.80 AV	54.00	-11.20	1.00 V	0	21.96	20.84
8	#17475.00	63.54 PK	68.20	-4.66	1.00 V	0	35.93	27.61

REMARKS:

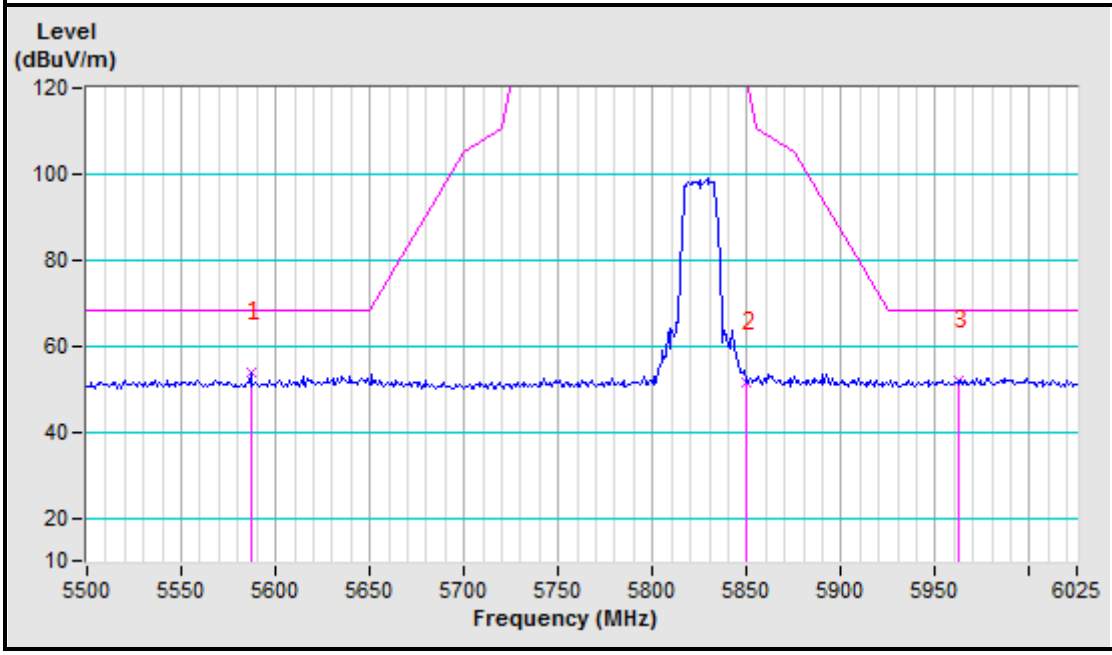
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5825MHz Horizontal



5825MHz Vertical



802.11n (20MHz)

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

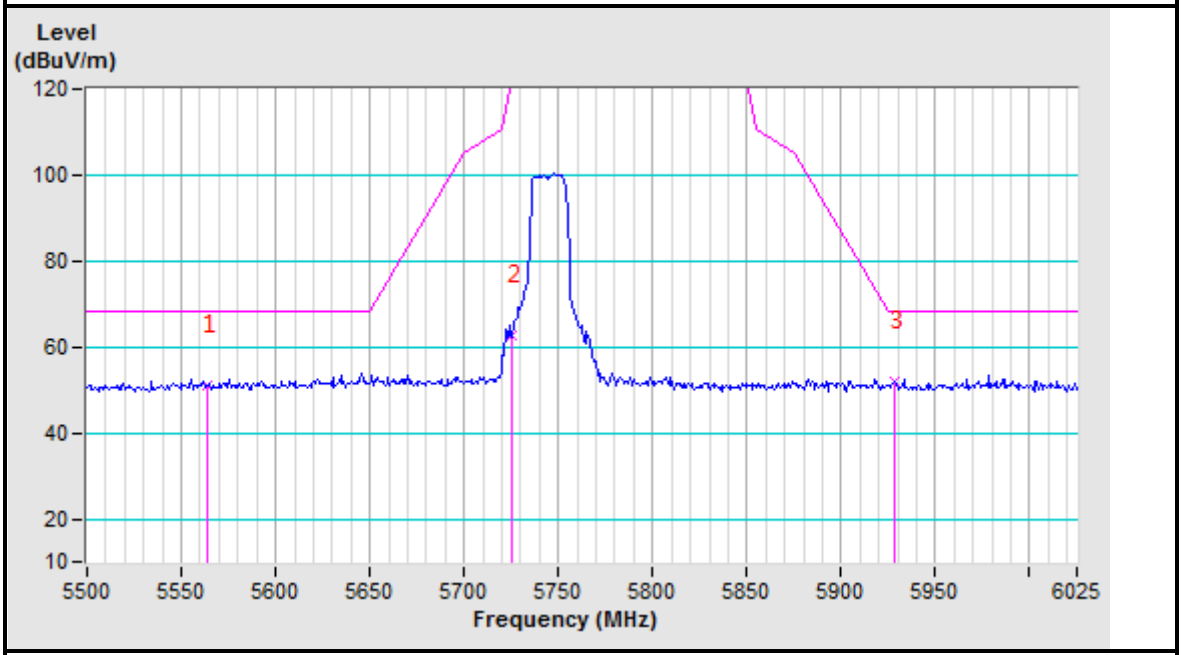
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5563.94	51.16 PK	68.20	-17.04	1.47 H	202	41.81	9.35
2	#5725.00	62.74 PK	122.20	-59.46	1.47 H	202	52.78	9.96
3	*5745.00	99.96 PK			1.00 H	4	89.93	10.03
4	*5745.00	84.23 AV			1.00 H	4	74.20	10.03
5	#5928.25	52.08 PK	68.20	-16.12	1.47 H	202	41.37	10.71
6	**11490.00**	**583.64 PK**			**1.00 H**	**0**	**563.15**	**20.49**
7	11490.00	41.25 AV	54.00	-12.75	1.00 H	0	20.76	20.49
8	#17235.00	61.24 PK	68.20	-6.96	1.00 H	0	33.93	27.31
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	#5569.83	51.58 PK	68.20	-16.62	1.00 V	0	42.20	9.38
2	#5724.64	58.61 PK	121.38	-62.77	1.00 V	0	48.65	9.96
3	*5745.00	98.26 PK			1.00 V	14	88.23	10.03
4	*5745.00	82.37 AV			1.00 V	14	72.34	10.03
5	#5990.50	53.15 PK	68.20	-15.05	1.00 V	0	42.20	10.95
6	11490.00	59.64 PK	74.00	-14.36	1.00 V	0	39.15	20.49
7	11490.00	44.90 AV	54.00	-9.10	1.00 V	0	24.41	20.49
8	#17235.00	64.14 PK	68.20	-4.06	1.00 V	0	36.83	27.31

REMARKS:

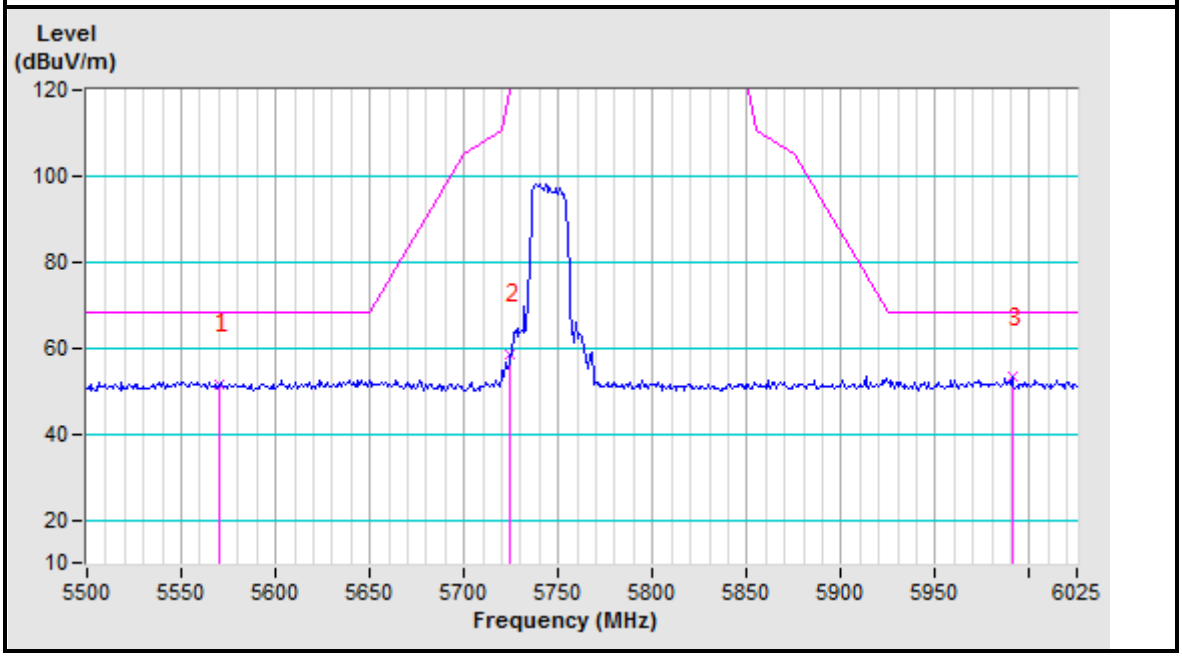
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5745MHz Horizontal



5745MHz Vertical



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

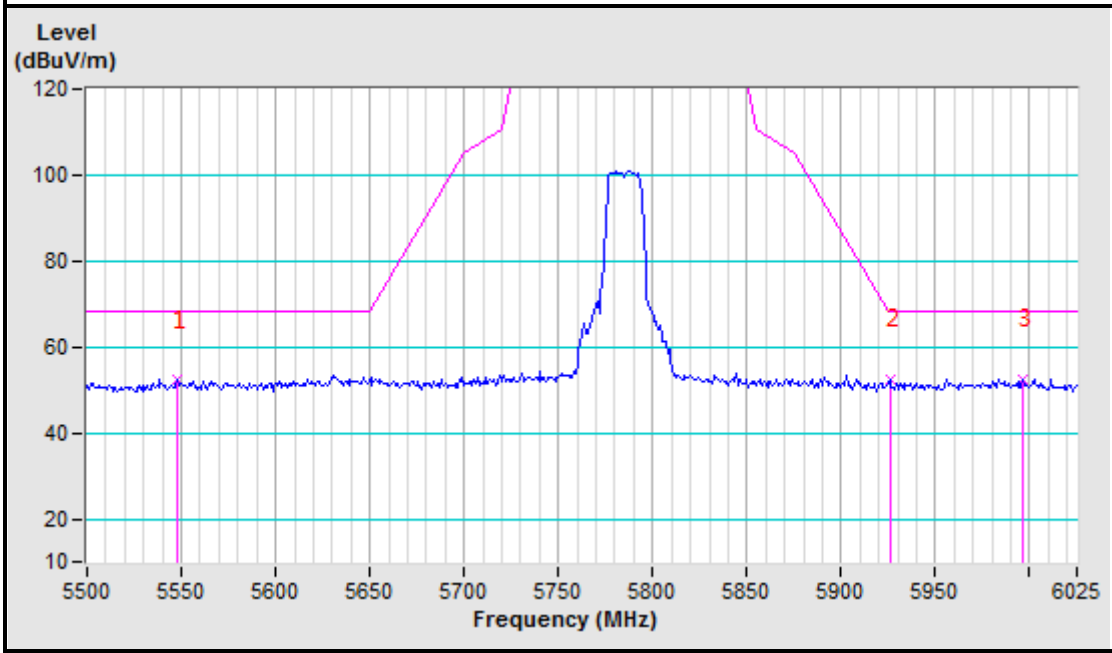
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5547.96	52.24 PK	68.20	-15.96	1.49 H	203	42.95	9.29
2	*5785.00	100.71 PK			1.00 H	20	90.53	10.18
3	*5785.00	85.25 AV			1.00 H	20	75.07	10.18
4	#5925.72	52.39 PK	68.20	-15.81	1.49 H	203	41.68	10.71
5	#5996.39	52.61 PK	68.20	-15.59	1.49 H	203	41.64	10.97
6	11570.00	59.41 PK	74.00	-14.59	1.00 H	0	38.75	20.66
7	11570.00	41.33 AV	54.00	-12.67	1.00 H	0	20.67	20.66
8	#17355.00	63.82 PK	68.20	-4.38	1.00 H	0	36.36	27.46
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	#5555.53	51.68 PK	68.20	-16.52	1.09 V	78	42.36	9.32
2	#5668.27	53.69 PK	81.76	-28.07	1.09 V	78	43.95	9.74
3	*5785.00	98.74 PK			1.00 V	121	88.56	10.18
4	*5785.00	83.33 AV			1.00 V	121	73.15	10.18
5	#5976.20	53.13 PK	68.20	-15.07	1.09 V	78	42.24	10.89
6	11570.00	58.64 PK	74.00	-15.36	1.00 V	0	37.98	20.66
7	11570.00	42.34 AV	54.00	-11.66	1.00 V	0	21.68	20.66
8	#17355.00	63.11 PK	68.20	-5.09	1.00 V	0	35.65	27.46

REMARKS:

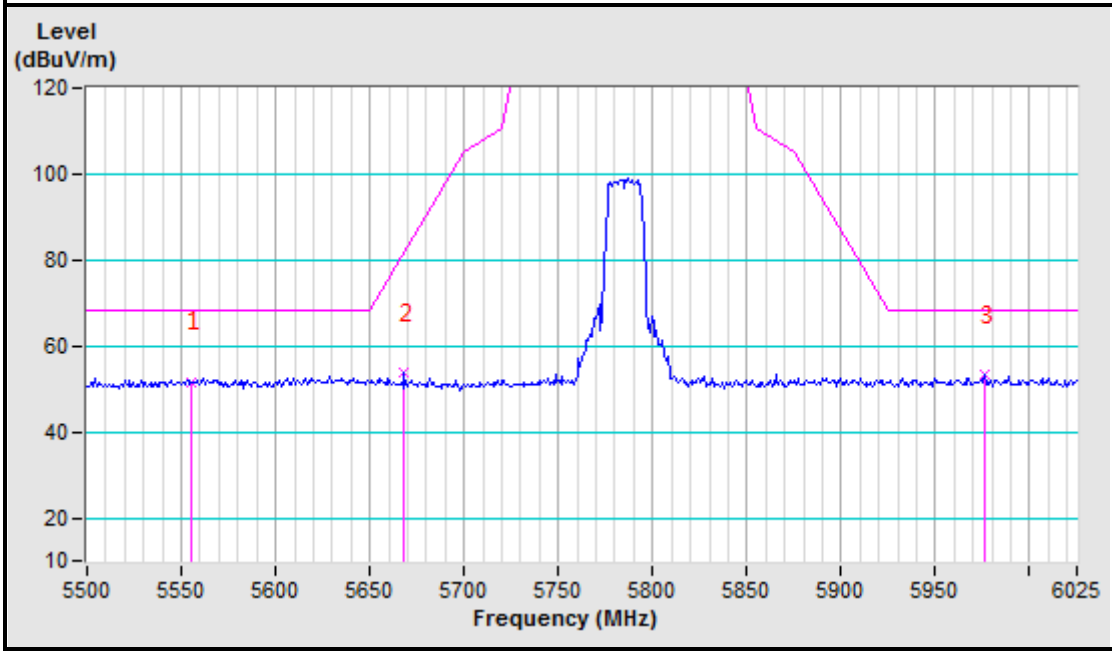
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5785MHz Horizontal



5785MHz Vertical



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

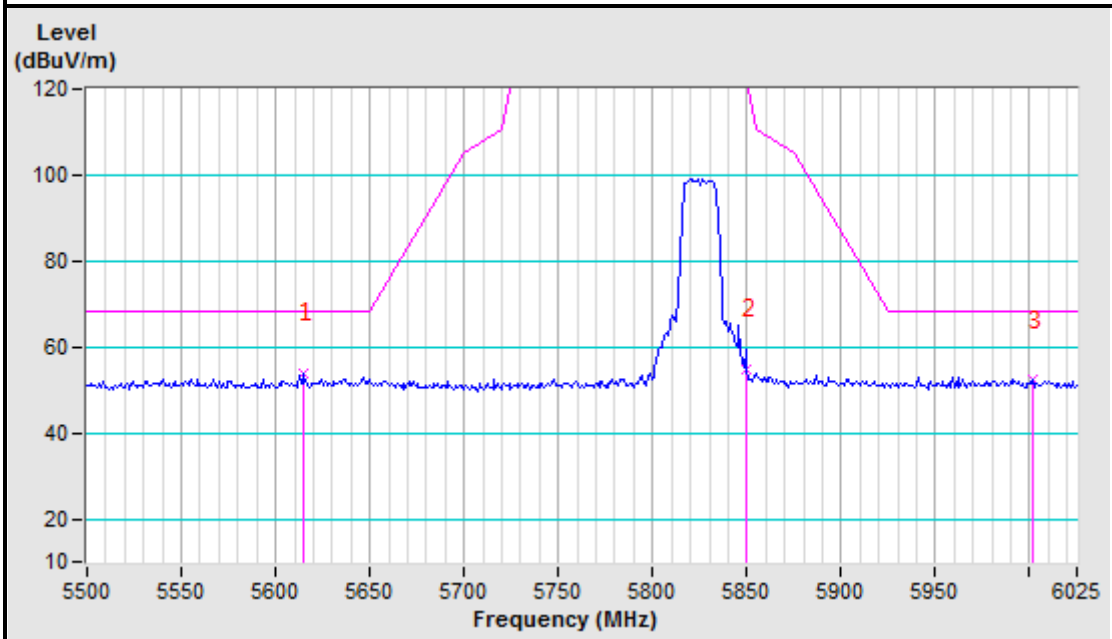
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5614.42	54.04 PK	68.20	-14.16	1.82 H	47	44.49	9.55
2	*5825.00	99.56 PK			1.00 H	25	89.23	10.33
3	*5825.00	83.01 AV			1.00 H	25	72.68	10.33
4	#5850.00	54.74 PK	152.20	-97.46	1.82 H	47	44.32	10.42
5	#6001.44	52.18 PK	68.20	-16.02	1.82 H	47	41.20	10.98
6	11650.00	59.42 PK	74.00	-14.58	1.00 H	0	38.58	20.84
7	11650.00	43.52 AV	54.00	-10.48	1.00 H	0	22.68	20.84
8	#17475.00	61.52 PK	68.20	-6.68	1.00 H	0	33.91	27.61
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5635.46	52.59 PK	68.20	-15.61	1.26 V	88	42.97	9.62
2	*5825.00	100.40 PK			1.01 V	21	90.07	10.33
3	*5825.00	86.49 AV			1.01 V	21	76.16	10.33
4	#5850.00	55.79 PK	152.20	-96.41	1.26 V	88	45.37	10.42
5	#5965.26	52.64 PK	68.20	-15.56	1.26 V	88	41.79	10.85
6	11650.00	59.41 PK	74.00	-14.59	1.00 V	0	38.57	20.84
7	11650.00	42.41 AV	54.00	-11.59	1.00 V	0	21.57	20.84
8	#17475.00	64.31 PK	68.20	-3.89	1.00 V	0	36.70	27.61

REMARKS:

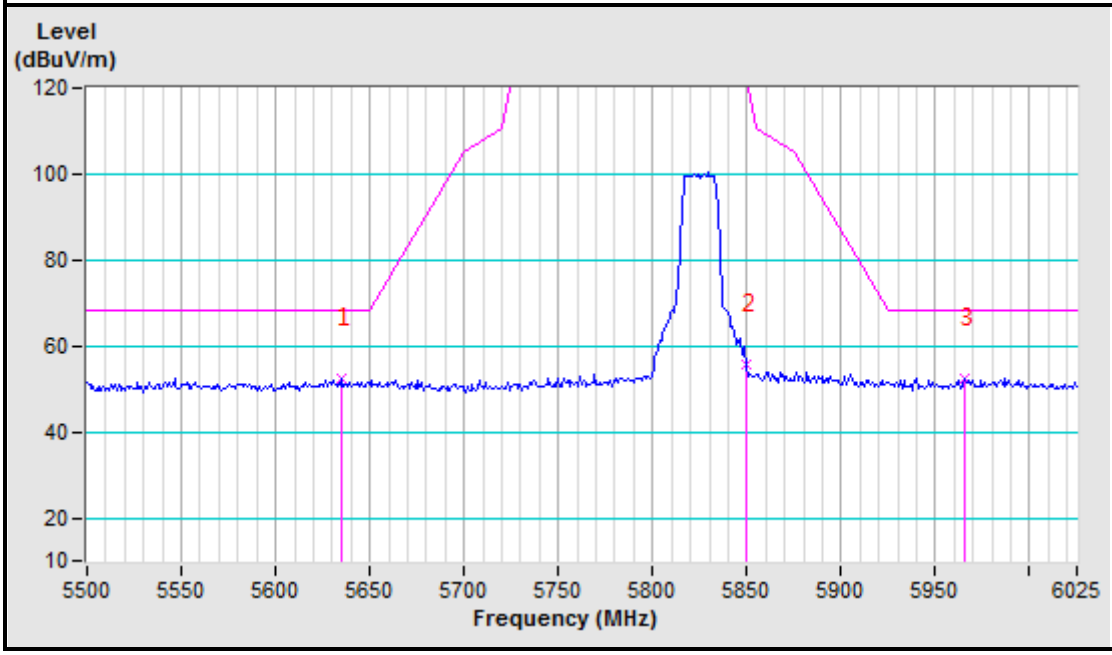
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5825MHz Horizontal



5825MHz Vertical



802.11n (40MHz)

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

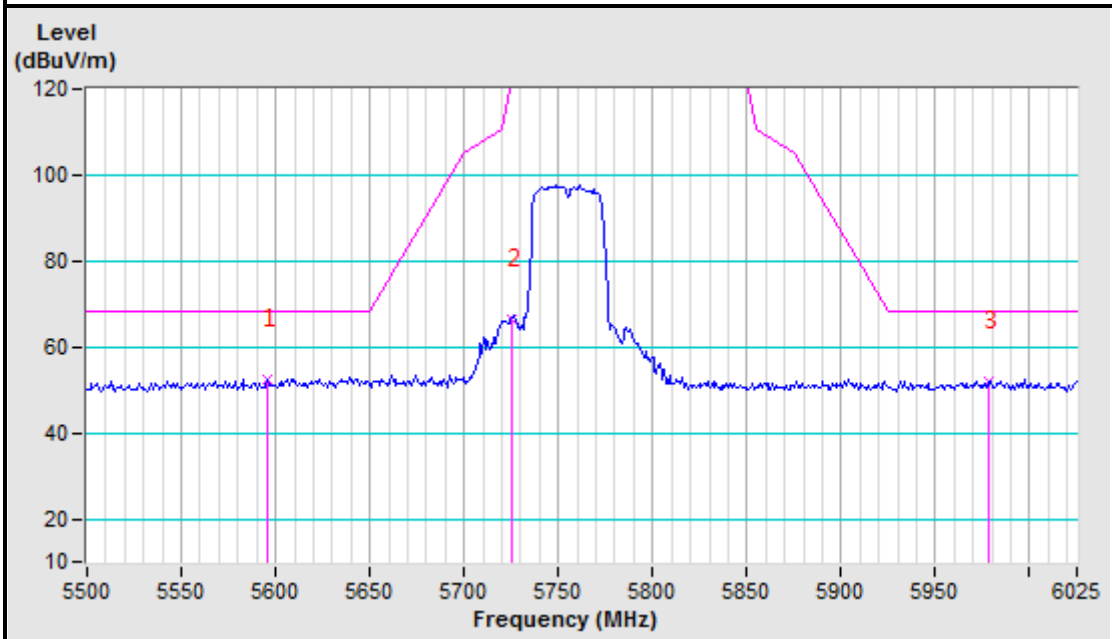
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5595.91	52.32 PK	68.20	-15.88	1.69 H	202	42.84	9.48
2	#5725.00	66.43 PK	122.20	-55.77	1.69 H	202	56.47	9.96
3	*5755.00	97.23 PK			1.00 H	241	87.16	10.07
4	*5755.00	81.83 AV			1.00 H	241	71.76	10.07
5	#5977.88	52.18 PK	68.20	-16.02	1.69 H	202	41.29	10.89
6	11510.00	59.64 PK	74.00	-14.36	1.00 H	0	39.11	20.53
7	11510.00	43.15 AV	54.00	-10.85	1.00 H	0	22.62	20.53
8	#17265.00	63.15 PK	68.20	-5.05	1.00 H	0	35.80	27.35
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	#5534.50	53.27 PK	68.20	-14.93	1.29 V	89	44.02	9.25
2	#5725.00	64.04 PK	122.20	-58.16	1.29 V	89	54.08	9.96
3	*5755.00	96.25 PK			1.54 V	104	86.18	10.07
4	*5755.00	80.27 AV			1.54 V	104	70.20	10.07
5	#5969.47	52.23 PK	68.20	-15.97	1.29 V	89	41.36	10.87
6	11510.00	59.64 PK	74.00	-14.36	1.00 V	0	39.11	20.53
7	11510.00	42.36 AV	54.00	-11.64	1.00 V	0	21.83	20.53
8	#17265.00	62.34 PK	68.20	-5.86	1.00 V	0	34.99	27.35

REMARKS:

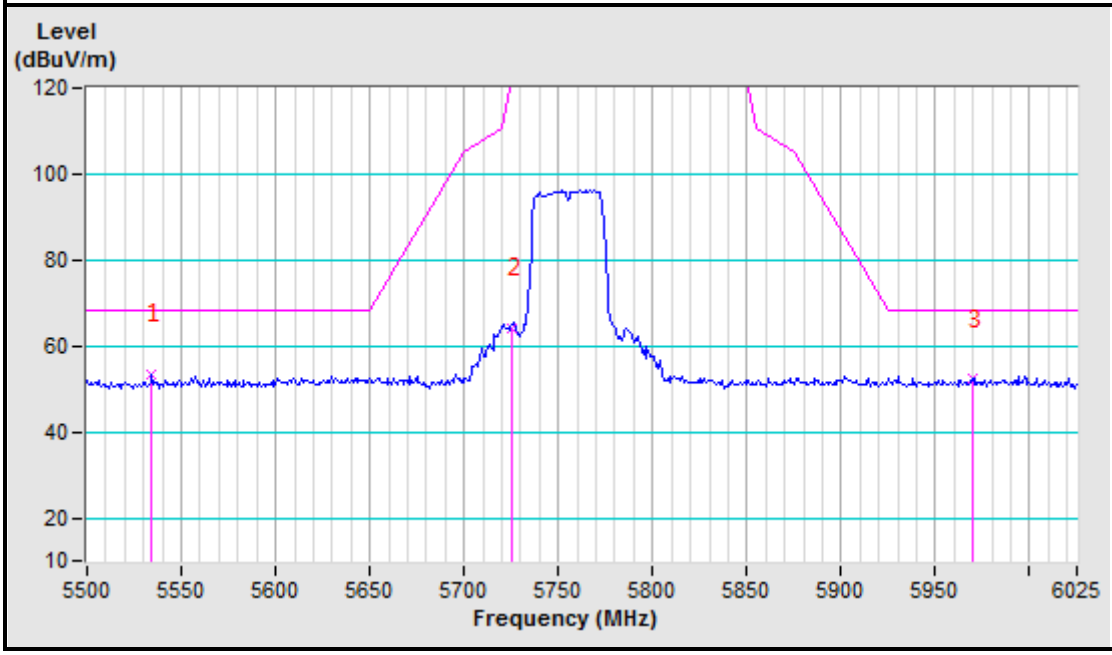
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5755MHz Horizontal



5755MHz Vertical



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

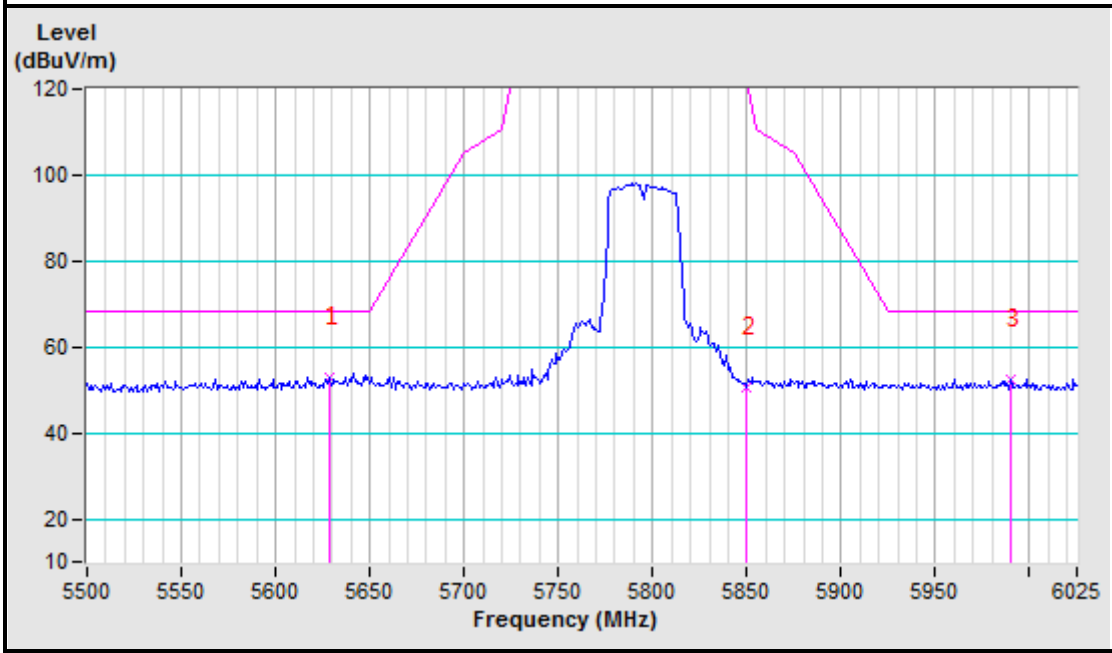
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5628.73	52.90 PK	68.20	-15.30	1.51 H	204	43.30	9.60
2	*5795.00	97.79 PK			1.00 H	255	87.57	10.22
3	*5795.00	80.43 AV			1.00 H	255	70.21	10.22
4	#5850.00	50.76 PK	152.20	-101.44	1.51 H	204	40.34	10.42
5	#5989.66	52.38 PK	68.20	-15.82	1.51 H	204	41.44	10.94
6	11590.00	56.41 PK	74.00	-17.59	1.00 H	0	35.70	20.71
7	11590.00	42.36 AV	54.00	-11.64	1.00 H	0	21.65	20.71
8	#17385.00	63.41 PK	68.20	-4.79	1.00 H	0	35.91	27.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5548.80	52.15 PK	68.20	-16.05	1.00 V	0	42.84	9.31
2	*5795.00	96.13 PK			1.00 V	151	85.91	10.22
3	*5795.00	78.99 AV			1.00 V	151	68.77	10.22
4	#5850.00	52.16 PK	152.20	-100.04	1.00 V	0	41.74	10.42
5	#6015.75	53.14 PK	68.20	-15.06	1.00 V	0	42.10	11.04
6	11590.00	59.42 PK	74.00	-14.58	1.00 V	0	38.71	20.71
7	11590.00	41.34 AV	54.00	-12.66	1.00 V	0	20.63	20.71
8	#17385.00	63.14 PK	68.20	-5.06	1.00 V	0	35.64	27.50

REMARKS:

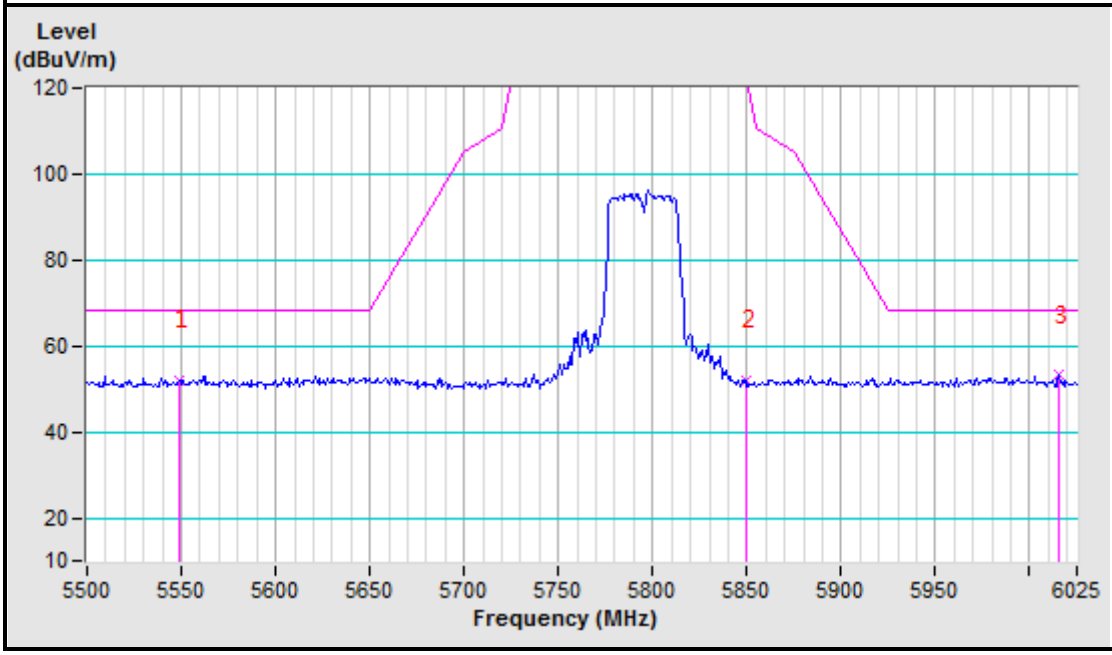
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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

Band edge Plot

5795MHz Horizontal



5795MHz Vertical



3.2 CONDUCTED EMISSION MEASUREMENT

3.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

NOTES: 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.

3.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101494	Mar. 17,21
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Mar. 17,21
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Mar. 17,21
Voltage probe	SCHWARZBECK	TK 9421	TK 9421-176	Sep. 17,21
Test software	ADT	ADT_Cond_V7.3.7	N/A	N/A

NOTES:

1. The test was performed in shielded room 553.
2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

3.2.3 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.

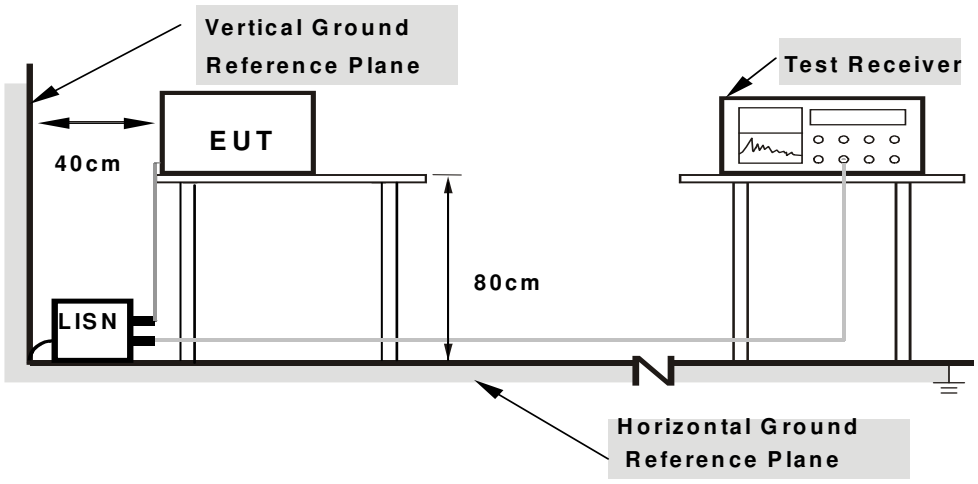
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

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

3.2.4 DEVIATION FROM TEST STANDARD

No deviation.

3.2.5 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 from other units and other metal planes

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

3.2.6 EUT OPERATING CONDITIONS

Same as 3.1.7

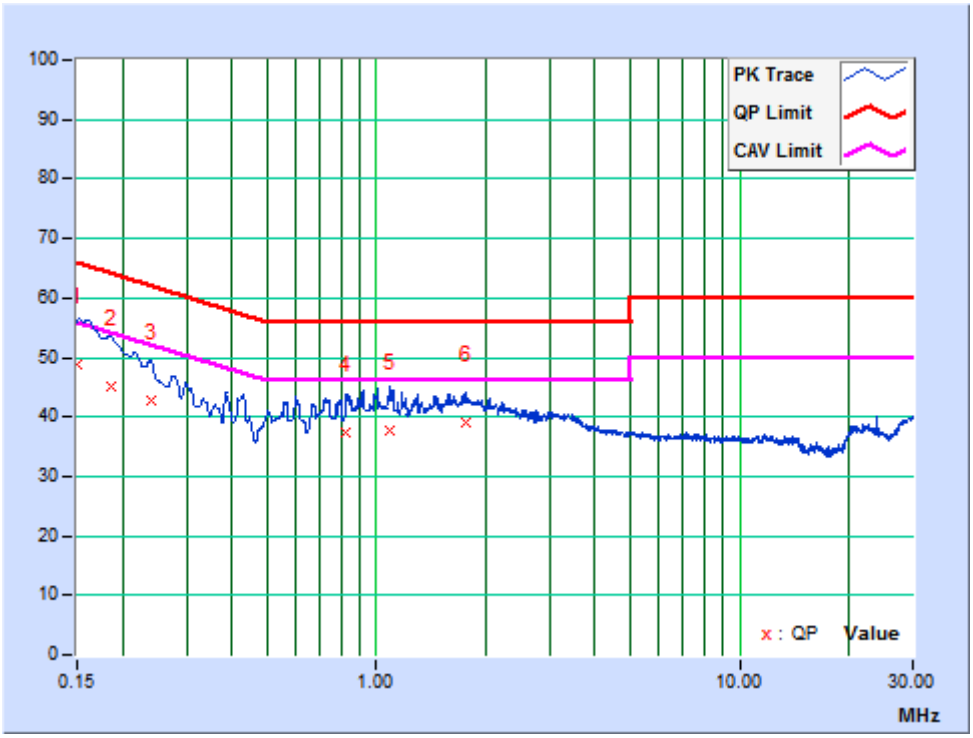
3.2.7 TEST RESULTS

CONDUCTED WORST-CASE DATA: 802.11a CH36

PHASE	Line	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.79	39.15	10.20	48.94	19.99	66.00	56.00	-17.06	-36.01
2	0.18600	9.78	35.44	15.46	45.22	25.24	64.21	54.21	-18.99	-28.97
3	0.23913	9.78	32.88	18.67	42.66	28.45	62.13	52.13	-19.47	-23.68
4	0.82496	9.81	27.57	14.12	37.38	23.93	56.00	46.00	-18.62	-22.07
5	1.08375	9.81	27.84	12.29	37.65	22.10	56.00	46.00	-18.35	-23.90
6	1.76325	9.82	29.20	16.63	39.02	26.45	56.00	46.00	-16.98	-19.55

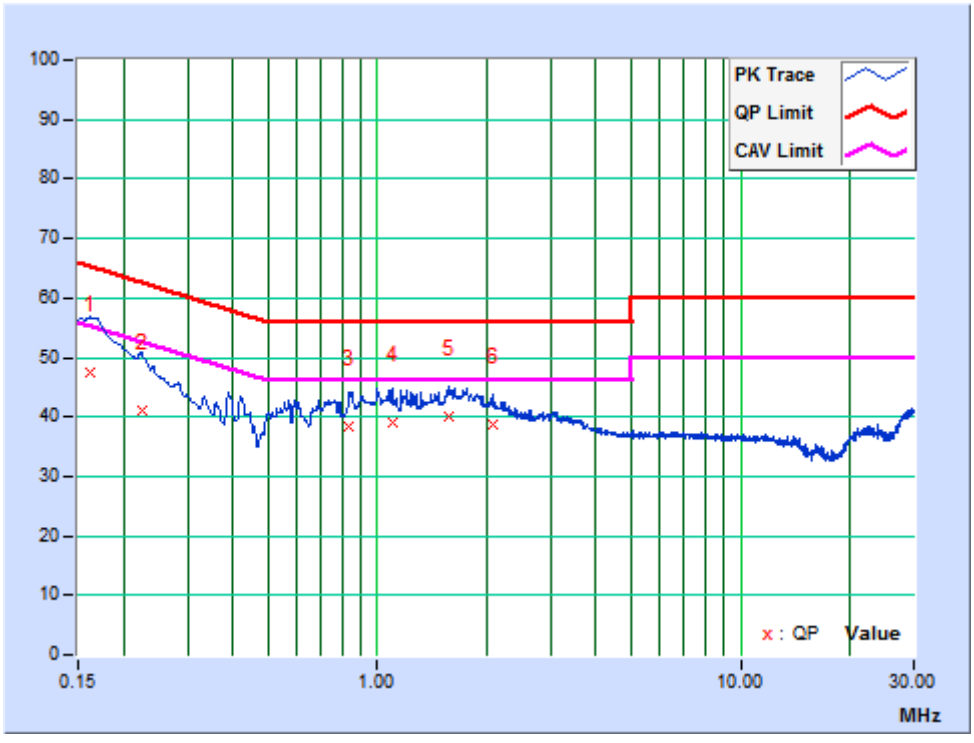
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading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



PHASE	Neutral	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16136	9.72	37.87	14.20	47.59	23.92	65.39	55.39	-17.80	-31.47
2	0.22386	9.71	31.28	17.88	40.99	27.59	62.67	52.67	-21.68	-25.08
3	0.83850	9.76	28.51	14.48	38.27	24.24	56.00	46.00	-17.73	-21.76
4	1.09717	9.78	29.15	14.57	38.93	24.35	56.00	46.00	-17.07	-21.65
5	**1.58325**	**9.78**	**30.44**	**17.23**	**40.22**	**27.01**	**56.00**	**46.00**	**-15.78**	**-18.99**
6	2.07150	9.79	28.81	16.40	38.60	26.19	56.00	46.00	-17.40	-19.81

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak an d 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.



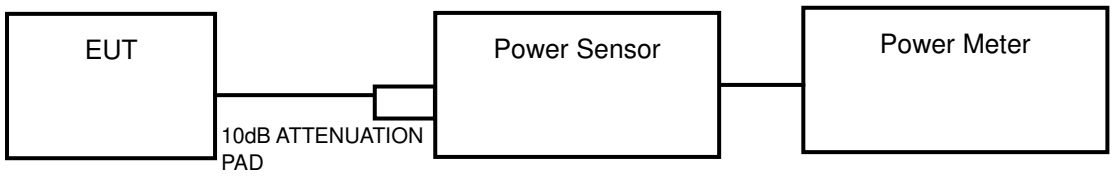
3.3 TRANSMIT POWER MEASUREMENT

3.3.1 LIMITS OF TRANSMIT POWER MEASUREMENT

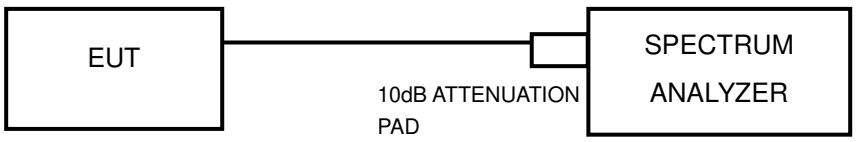
Operation Band	EUT Category		LIMIT
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p ≦ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
		Indoor Access Point	1 Watt (30 dBm)
	√	Mobile and Portable client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

NOTE: 1. Where B is the 26dB emission bandwidth in MHz.

3.3.2 TEST SETUP



FOR 6/26dB BANDWIDTH



3.3.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
Power Sensor	Keysight	U2021XA	MY55060016	N/A
Power Sensor	Keysight	U2021XA	MY55060018	Jun. 03,21
Power Meter	Anritsu	ML2495A	1139001	Mar. 17,21
Power Sensor	Anritsu	MA2411B	1531155	Mar. 17,21
Digital Multimeter	FLUKE	15B	A1220010DG	N/A
Humid & Temp Programmable Tester	Haida	HD-225T	110807201	Oct. 30,21
Oscilloscope	Agilent	DSO9254A	MY51260160	Aug. 10,21
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101094	Mar. 17,21
Signal Generator	Agilent	N5183A	MY50140980	Aug. 10,21
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Sep. 04,21
Attenuator	MINI	BW-S10W2+	S130129FGE2	N/A
DC Source	Keysight	E3642A	MY56146098	N/A

NOTES:

1. The test was performed in RF Oven room.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

3.3.4 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 = auto couple.
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.

3.3.5 DEVIATION FROM TEST STANDARD

No deviation.

3.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

3.3.7 TEST RESULTS

OUTPUT POWER:

802.11a

CHANNEL NUMBER	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	AVG. CONDUCTED POWER (mW)	LIMIT (dBm)	PASS /FAIL
36	5180	14.39	27.479	24.00	PASS
40	5200	14.32	27.040	24.00	PASS
48	5240	14.41	27.606	24.00	PASS
52	5260	14.04	25.351	24.00	PASS
60	5300	**14.47**	**27.990**	24.00	PASS
64	5320	14.39	27.479	24.00	PASS
100	5500	14.26	26.669	24.00	PASS
116	5580	14.45	27.861	24.00	PASS
140	5700	14.32	27.040	24.00	PASS
149	5745	14.08	25.586	29.00	PASS
157	5785	14.27	26.730	29.00	PASS
165	5825	14.02	25.235	29.00	PASS

Note:

For 5260 ~ 5320MHz, 5500 ~ 5700MHz

1. **11dBm + 10log (20.03) = 24.02 dBm >24dBm**
2. **11dBm + 10log (20.06) = 24.02 dBm > 24dBm**
3. **11dBm + 10log (20.12) = 24.04 dBm >24dBm**
4. **11dBm + 10log (20.08) = 24.03 dBm > 24dBm**
5. **11dBm + 10log (20.13) = 24.04 dBm >24dBm**
6. **11dBm + 10log (20.08) = 24.03 dBm >24dBm**

For 5745 ~ 5825MHz

1. **Directional gain=6.03dBi (1TX 1RX only), more than 6dBi, so the power limit need to reduce 1dBi.**

802.11n (20MHz)

CHANNEL NUMBER	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	AVG. CONDUCTED POWER (mW)	LIMIT (dBm)	PASS /FAIL
36	5180	13.37	21.727	24.00	PASS
40	5200	12.98	19.861	24.00	PASS
48	5240	13.49	22.336	24.00	PASS
52	5260	13.17	20.749	24.00	PASS
60	5300	13.62	23.014	24.00	PASS
64	5320	13.69	23.388	24.00	PASS
100	5500	13.21	20.941	24.00	PASS
116	5580	13.60	22.909	24.00	PASS
140	5700	13.39	21.827	24.00	PASS
149	5745	13.01	19.999	29.00	PASS
157	5785	13.12	20.512	29.00	PASS
165	5825	13.27	21.232	29.00	PASS

Note:

For 5260 ~ 5320MHz, 5500 ~ 5700MHz

11dBm + 10log (20.30) = 24.07 dBm > 24dBm

11dBm + 10log (20.36) = 24.09 dBm > 24dBm

11dBm + 10log (20.43) = 24.10 dBm > 24dBm

11dBm + 10log (20.28) = 24.07 dBm > 24dBm

11dBm + 10log (20.29) = 24.07 dBm > 24dBm

11dBm + 10log (20.29) = 24.07 dBm > 24dBm

For 5745 ~ 5825MHz

1. **Directional gain=6.03dBi (1TX 1RX only), more than 6dBi, so the power limit need to reduce 1dBi.**

802.11n (40MHz)

CHANNEL NUMBER	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	AVG. CONDUCTED POWER (mW)	LIMIT (dBm)	PASS /FAIL
38	5190	13.51	22.439	24.00	PASS
46	5230	13.66	23.227	24.00	PASS
54	5270	13.02	20.045	24.00	PASS
62	5310	13.21	20.941	24.00	PASS
102	5510	11.73	14.894	24.00	PASS
110	5550	13.09	20.370	24.00	PASS
134	5670	13.34	21.577	24.00	PASS
151	5755	13.44	22.080	29.00	PASS
159	5795	13.02	20.045	29.00	PASS

Note:

For 5260 ~ 5320MHz, 5500 ~ 5700MHz

11dBm + 10log (41.39) = 27.17 dBm > 24dBm

11dBm + 10log (41.21) = 27.15 dBm > 24dBm

11dBm + 10log (41.40) = 27.17 dBm > 24dBm

11dBm + 10log (41.23) = 27.15 dBm > 24dBm

11dBm + 10log (41.49) = 27.18 dBm > 24dBm

For 5745 ~ 5825MHz

Directional gain=6.03dBi (1TX 1RX only), more than 6dBi, so the power limit need to reduce 1dBi.

26dB BANDWIDTH:

802.11a

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)	PASS /FAIL
36	5180	20.04	PASS
40	5200	19.98	PASS
48	5240	20.09	PASS
52	5260	20.03	PASS
60	5300	20.06	PASS
64	5320	20.12	PASS
100	5500	20.08	PASS
116	5580	20.13	PASS
140	5700	20.08	PASS

802.11n (20MHz)

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)	PASS /FAIL
36	5180	20.36	PASS
40	5200	20.34	PASS
48	5240	20.37	PASS
52	5260	20.30	PASS
60	5300	20.36	PASS
64	5320	20.43	PASS
100	5500	20.28	PASS
116	5580	20.29	PASS
140	5700	20.29	PASS

802.11n (40MHz)

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)	PASS /FAIL
38	5190	41.07	PASS
46	5230	41.25	PASS
54	5270	41.39	PASS
62	5310	41.21	PASS
102	5510	41.40	PASS
110	5550	41.23	PASS
134	5670	41.49	PASS

6dB BANDWIDTH For 5725-5850MHz

802.11a

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)	PASS /FAIL
149	**5745**	16.42	PASS
157	**5785**	16.42	PASS
165	**5825**	16.42	PASS

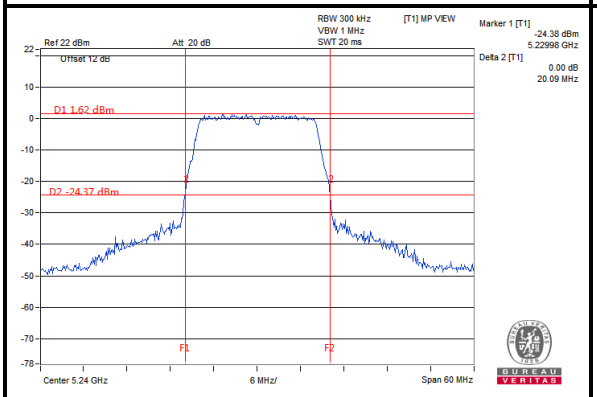
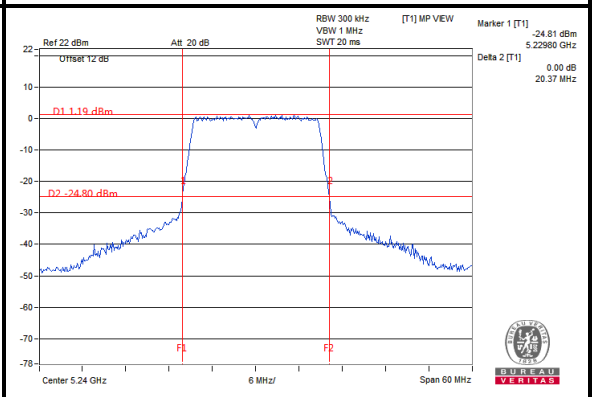
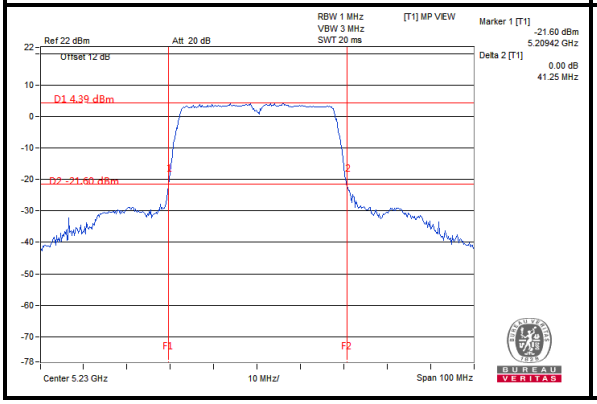
802.11n (20M)

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)	PASS /FAIL
149	**5745**	17.65	PASS
157	**5785**	17.65	PASS
165	**5825**	17.66	PASS

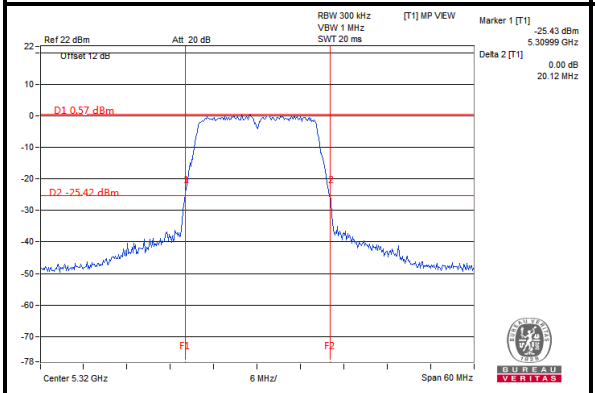
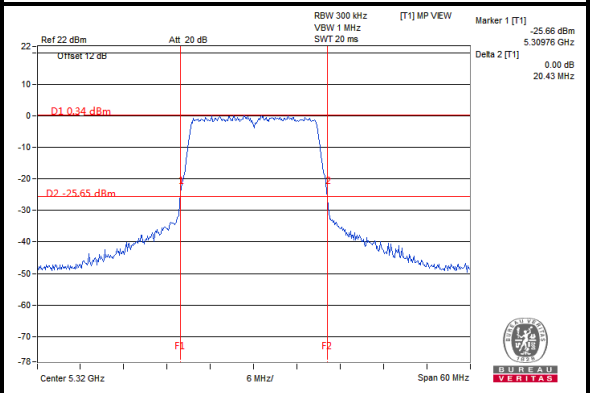
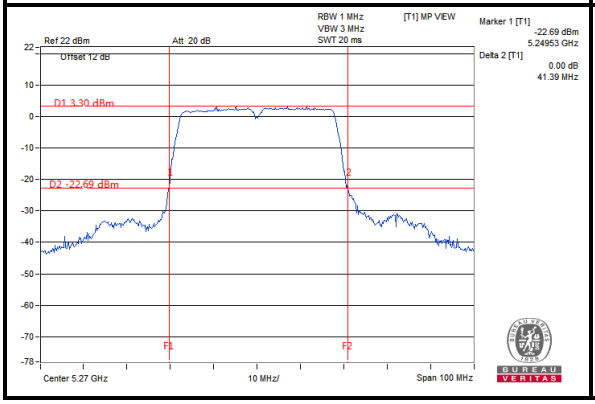
802.11n (40M)

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)	PASS /FAIL
151	**5755**	36.17	PASS
159	**5795**	36.10	PASS

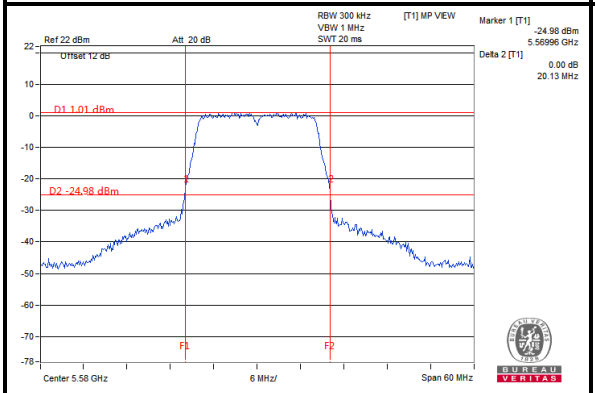
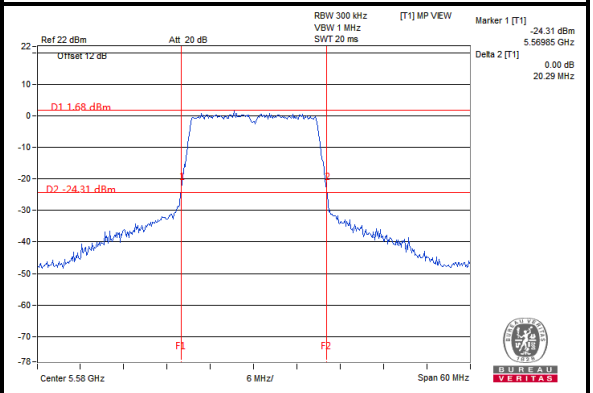
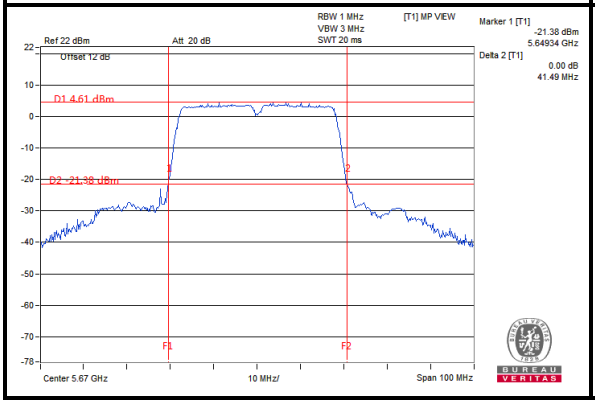
26dB bandwidth Test Plot
For 5150-5250MHz

SPECTRUM PLOT OF WORST VALUE	
802.11a 5180MHz	802.11n20 5180MHz
	
802.11n40 5230MHz	
	

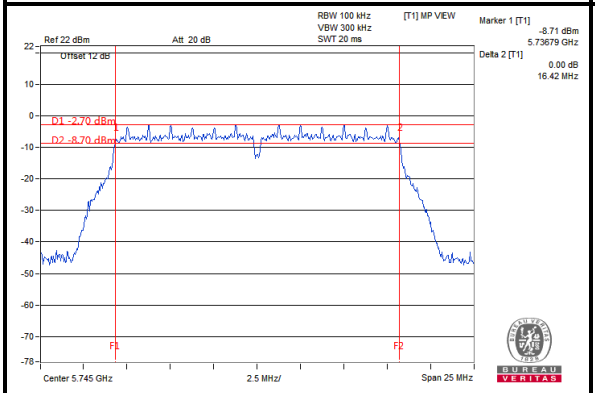
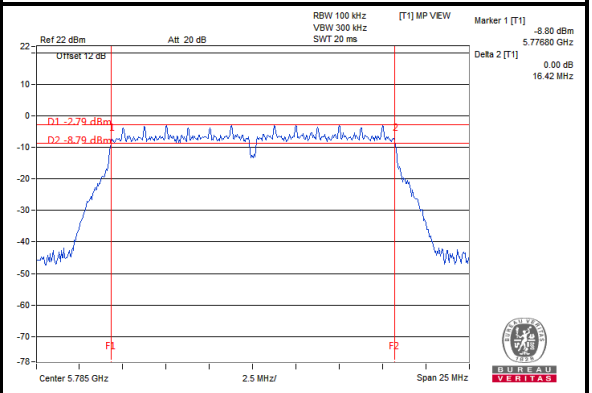
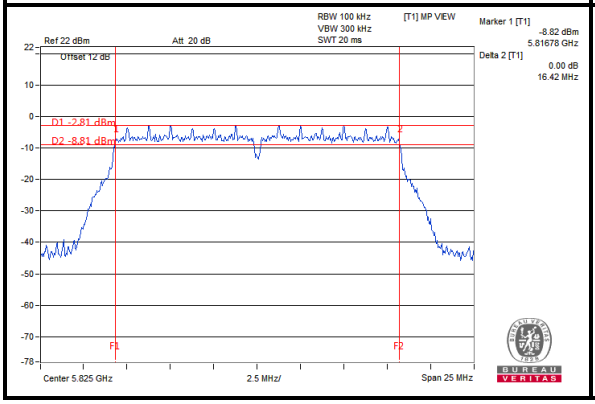
For 5250-5350MHz

SPECTRUM PLOT OF WORST VALUE	
802.11a 5320MHz	**802.11n20 5300MHz**
	
802.11n40 5270MHz	
	

For 5470-5725MHz

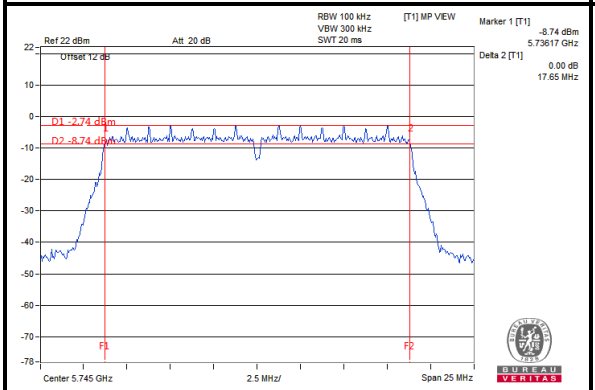
SPECTRUM PLOT OF WORST VALUE	
802.11a 5700MHz	802.11n20 5580MHz
	
802.11n40 5670MHz	
	

6dB BANDWIDTH For 5725-5850MHz

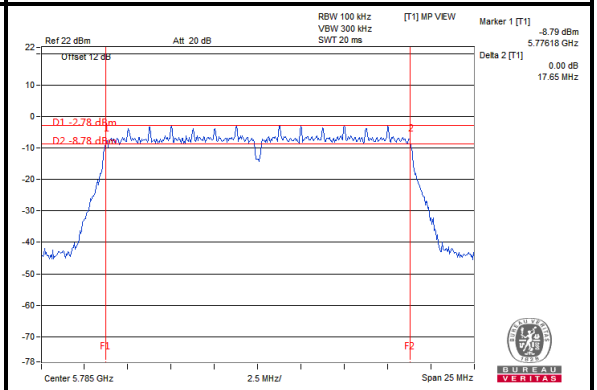
SPECTRUM PLOT OF VALUE	
802.11a CH149	802.11a CH157
	
802.11a CH165	
	

SPECTRUM PLOT OF VALUE

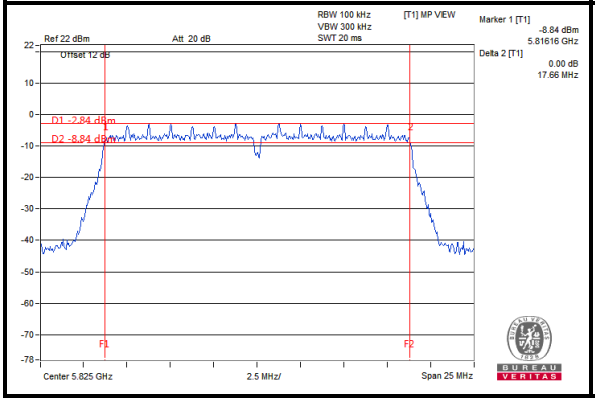
802.11n20 CH149



802.11n20 CH157

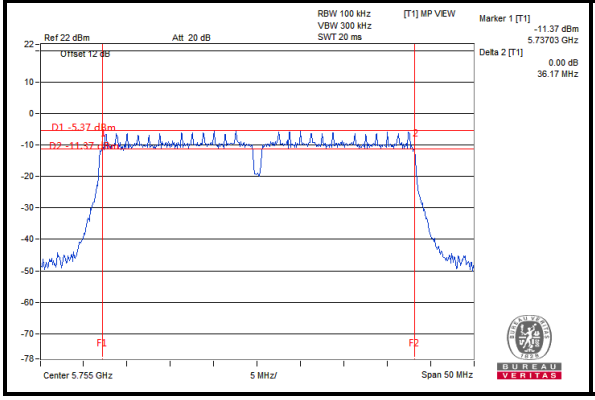


802.11n20 CH165

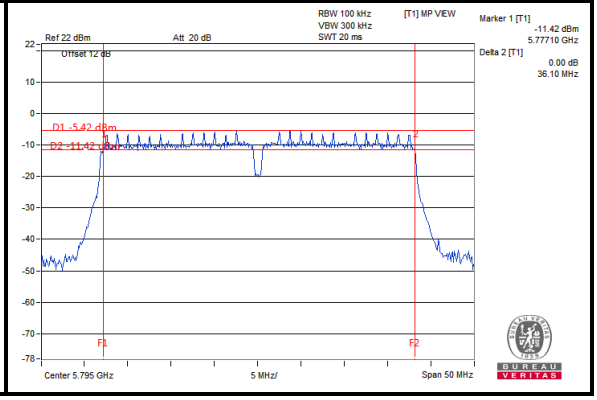


SPECTRUM PLOT OF VALUE

802.11n40 CH151



802.11n40 CH159

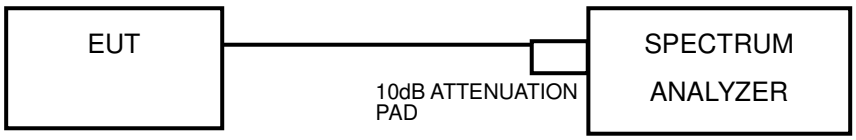


3.4 PEAK POWER SPECTRAL DENSITY MEASUREMENT

3.4.1 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

3.4.2 TEST SETUP



3.4.3 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.

3.4.4 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)

3.4.5 DEVIATION FROM TEST STANDARD

No deviation.

3.4.6 EUT OPERATING CONDITIONS

Same as 3.3.6

3.4.7 TEST RESULTS

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

802.11a

Channel	Frequency (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	MAX. Limit (dBm/MHz)	PASS / FAIL
36	5180	1.37	0.506	1.876	11.00	PASS
40	5200	1.39	0.506	1.896	11.00	PASS
48	5240	1.12	0.506	1.626	11.00	PASS
52	5260	1.39	0.506	1.896	11.00	PASS
60	5300	0.97	0.506	1.476	11.00	PASS
64	5320	1.13	0.506	1.636	11.00	PASS
100	5500	0.93	0.506	1.436	11.00	PASS
116	5580	1.45	0.506	1.956	11.00	PASS
140	5700	2.36	0.506	2.866	11.00	PASS

Note: Refer to section 2.3 for duty cycle spectrum plot.

Chan.	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS / FAIL
149	5745	-6.15	-3.93	0.506	-3.424	29.00	PASS
157	5785	-6.78	-4.56	0.506	-4.054	29.00	PASS
165	5825	-7.50	-5.28	0.506	-4.774	29.00	PASS

Notes:

1. Directional gain=6.03dBi (1TX 1RX only), more than 6dBi, so the power density limit need to reduce 1dBi.
2. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (20MHz)

Channel	Frequency (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	MAX. Limit (dBm/MHz)	PASS / FAIL
36	5180	0.16	0.545	0.705	11.00	PASS
40	5200	-0.27	0.545	0.275	11.00	PASS
48	5240	-0.55	0.545	-0.005	11.00	PASS
52	5260	0.24	0.545	0.785	11.00	PASS
60	5300	0.22	0.545	0.765	11.00	PASS
64	5320	-0.30	0.545	0.245	11.00	PASS
100	5500	0.33	0.545	0.875	11.00	PASS
116	5580	0.80	0.545	1.345	11.00	PASS
140	5700	-0.31	0.545	0.235	11.00	PASS

Note: Refer to section 2.3 for duty cycle spectrum plot.

Chan.	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS / FAIL
149	5745	-8.66	-6.44	0.545	-5.895	29.00	PASS
157	5785	-8.84	-6.62	0.545	-6.075	29.00	PASS
165	5825	-8.17	-5.95	0.545	-5.405	29.00	PASS

Notes:

1. Directional gain=6.03dBi (1TX 1RX only), more than 6dBi, so the power density limit need to reduce 1dBi.
2. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (40MHz)

Channel	Frequency (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	MAX. Limit (dBm/MHz)	PASS / FAIL
38	5190	-3.78	1.090	-2.690	11.00	PASS
46	5230	-4.11	1.090	-3.020	11.00	PASS
54	5270	-4.40	1.090	-3.310	11.00	PASS
62	5310	-4.77	1.090	-3.680	11.00	PASS
102	5510	-6.13	1.090	-5.040	11.00	PASS
110	5550	-4.46	1.090	-3.370	11.00	PASS
134	5670	-3.45	1.090	-2.360	11.00	PASS

Note: Refer to section 2.3 for duty cycle spectrum plot.

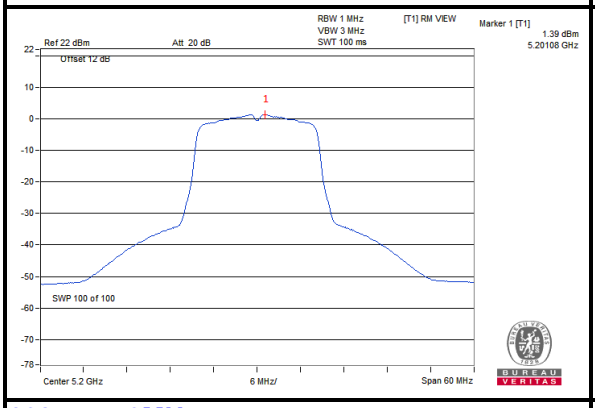
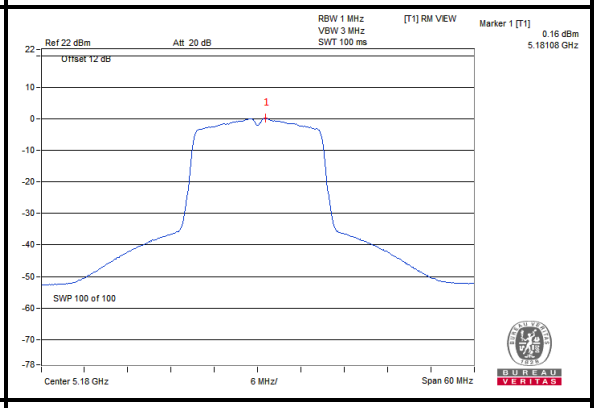
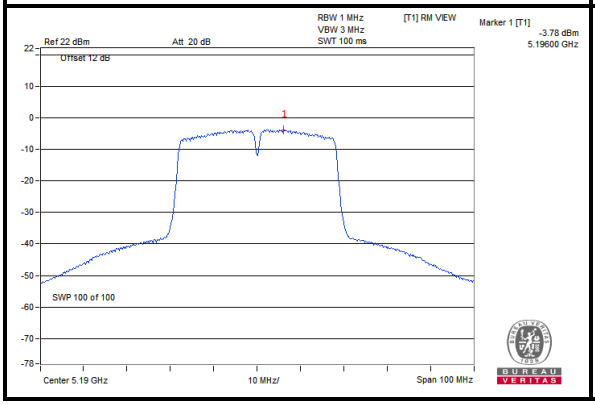
Chan.	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS / FAIL
151	5755	-12.70	-10.48	1.090	-9.390	29.00	PASS
159	5795	-13.16	-10.94	1.090	-9.850	29.00	PASS

Notes:

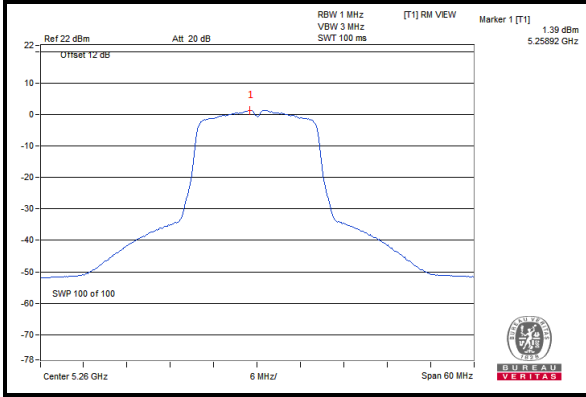
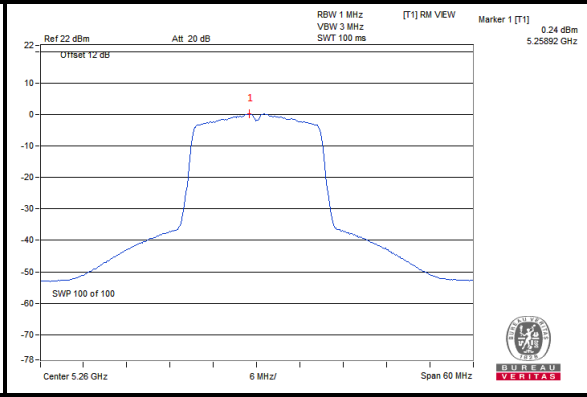
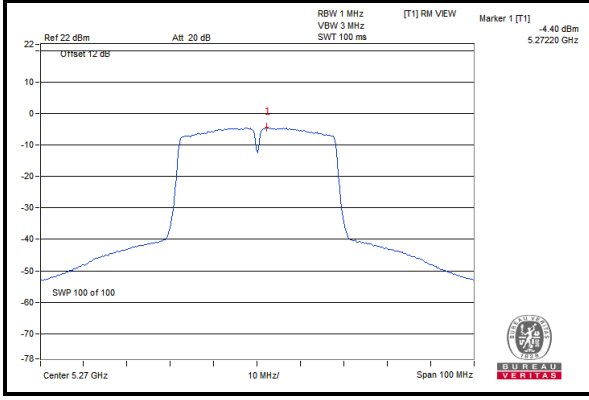
1. Directional gain=6.03dBi (1TX 1RX only), more than 6dBi, so the power density limit need to reduce 1dBi.
2. Refer to section 3.3 for duty cycle spectrum plot.

PSD Test Plot

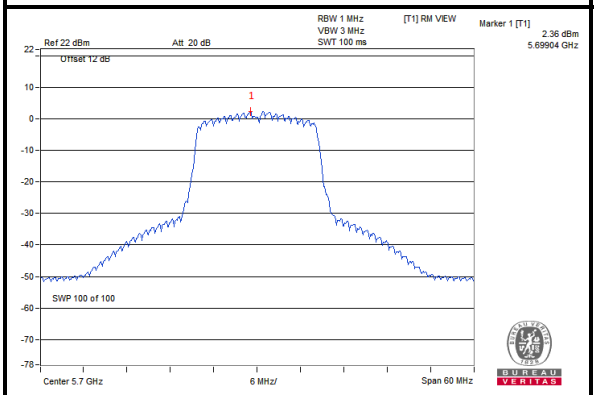
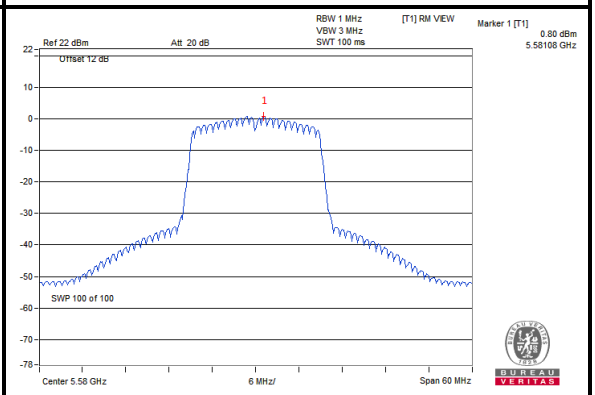
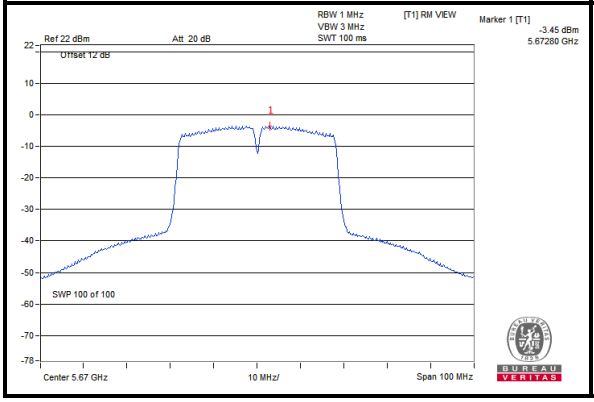
BAND 1
5150-5250MHz

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11n 20MHz**
	
802.11n 40MHz	
	

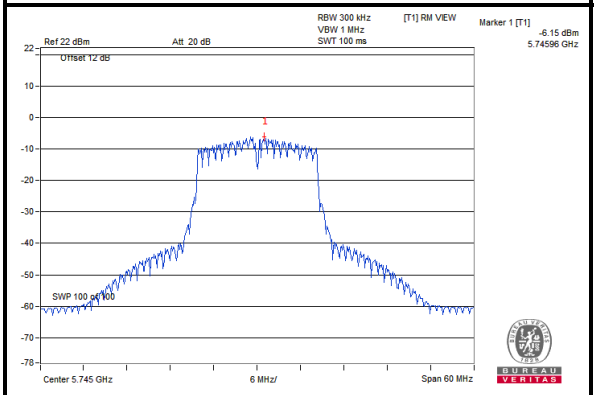
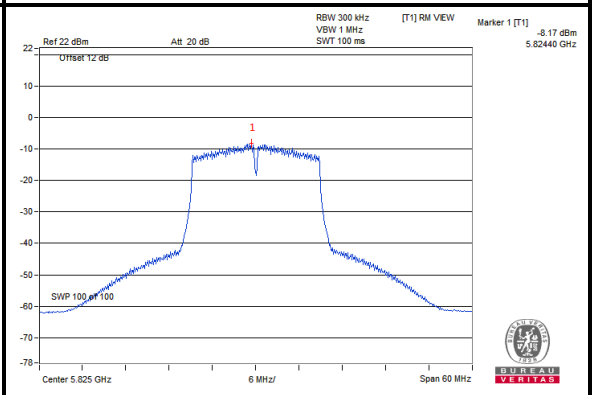
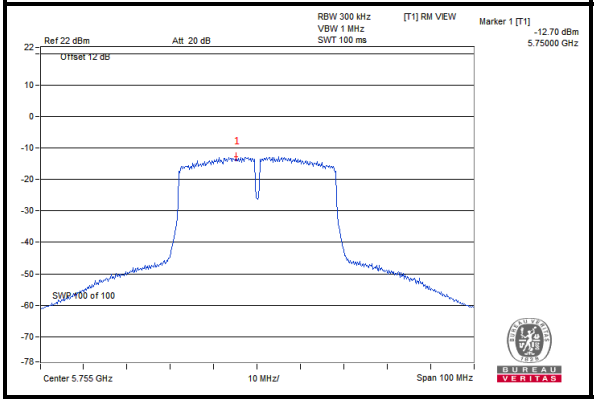
BAND 2
5250-5350MHz

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11n 20MHz**
	
802.11n 40MHz	
	

BAND 3
5470-5725MHz

SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11n 20MHz**
	
802.11n 40MHz	
	

BAND4
5725-5850MHz

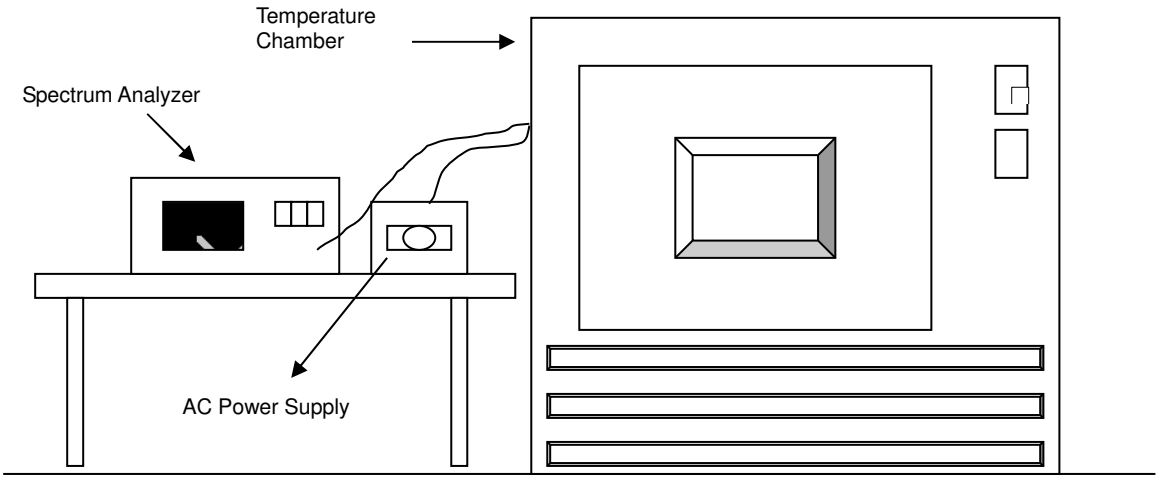
SPECTRUM PLOT OF WORST VALUE	
802.11a	**802.11n 20MHz**
	
802.11n 40MHz	
	

3.5 FREQUENCY STABILITY

3.5.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

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

3.5.2 TEST SETUP



3.5.3 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.

3.5.4 TEST PROCEDURE

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

b. Turn the EUT on and couple its output to a spectrum analyzer.

c. Turn the EUT off and set the chamber to the highest temperature specified.

d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.

e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.

f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

3.5.5 DEVIATION FROM TEST STANDARD

No deviation.

3.5.6 EUT OPERATING CONDITION

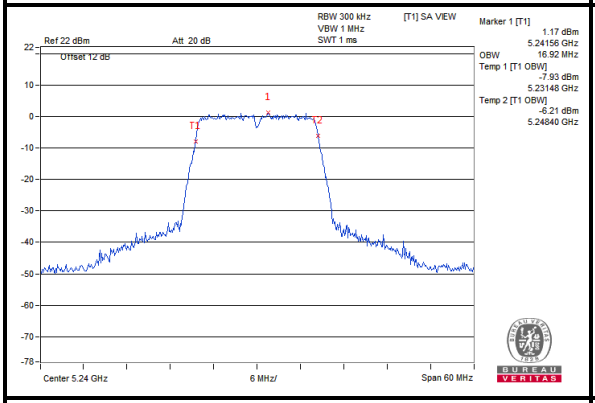
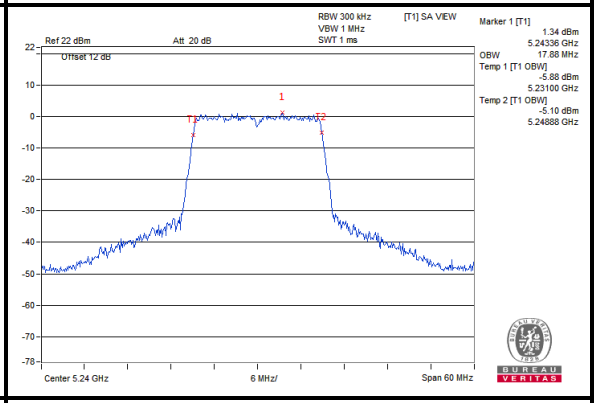
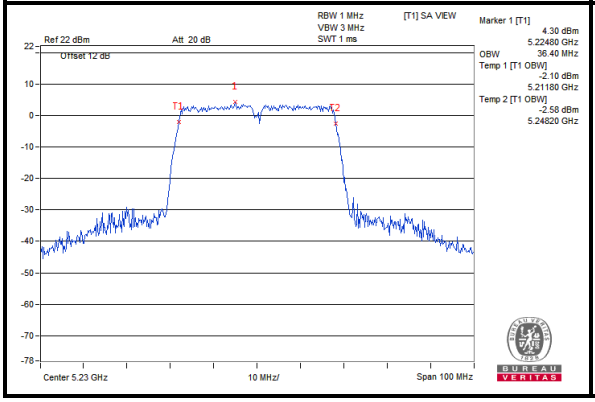
Set the EUT transmit at un-modulation mode to test frequency stability.

3.5.7 TEST RESULTS

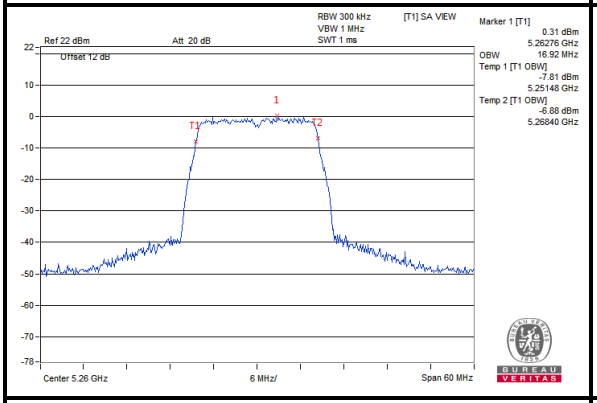
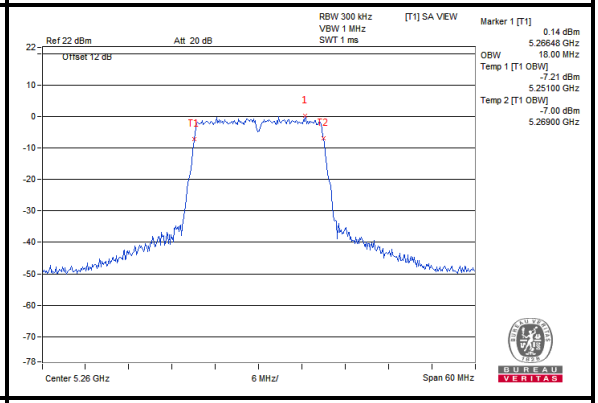
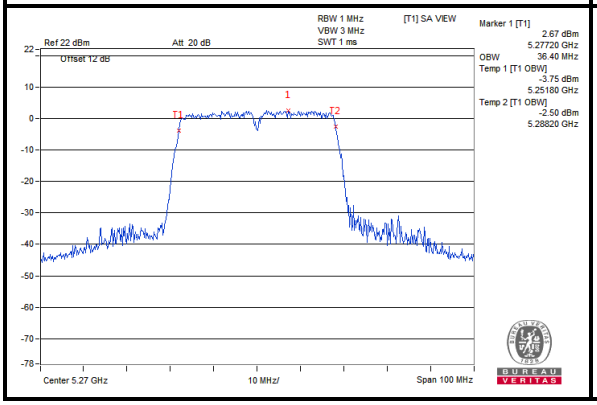
FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5180MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift
50	120	5180.0065	0.00013	5180.0054	0.00010	5180.0079	0.00015	5180.0062	0.00012
40	120	5180.0235	0.00045	5180.024	0.00046	5180.0239	0.00046	5180.0246	0.00047
30	120	5180.0226	0.00044	5180.022	0.00042	5180.0200	0.00039	5180.0226	0.00044
20	120	5179.992	-0.00015	5179.9898	-0.00020	5179.9934	-0.00013	5179.9935	-0.00013
10	120	5179.9816	-0.00036	5179.9828	-0.00033	5179.9813	-0.00036	5179.978	-0.00042
0	120	5179.9926	-0.00014	5179.9928	-0.00014	5179.9959	-0.00008	5179.9961	-0.00008
-10	120	5179.986	-0.00027	5179.9887	-0.00022	5179.9893	-0.00021	5179.9882	-0.00023
-20	120	5179.9995	-0.00001	5179.9993	-0.00001	5180.0007	0.00001	5179.9969	-0.00006
-30	120	5180.0174	0.00034	5180.0177	0.00034	5180.0185	0.00036	5180.0191	0.00037

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5180MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift
20	138	5179.9926	-0.00014	5179.9896	-0.00020	5179.9924	-0.00015	5179.9935	-0.00013
	120	5179.992	-0.00015	5179.9898	-0.00020	5179.9934	-0.00013	5179.9935	-0.00013
	102	5179.9927	-0.00014	5179.9892	-0.00021	5179.9927	-0.00014	5179.994	-0.00012

Band 1
5150-5250MHz
99% Occupied Bandwidth Without over DFS Band

SPECTRUM PLOT OF WORST VALUE	
802.11a 5240MHz	**802.11n 20MHz 5240MHz**
	
802.11n 40MHz 5230MHz	
	

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

SPECTRUM PLOT OF WORST VALUE	
802.11a 5260MHz	**802.11n 20MHz 5260MHz**
	
802.11n 40MHz 5270MHz	
	

4. PHOTOGRAPHS OF THE TEST CONFIGURATION

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

5. 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---