



Test Report No.: RF2309WDG0108-2



TEST REPORT

Applicant	C&A Marketing, INC.
Address	114 Tived Lane East. Edison, NJ 08837, USA

Manufacturer or Supplier	C&A Marketing, INC.
Address	114 Tived Lane East. Edison, NJ 08837, USA
Product	Sprocket Photobooth
Brand Name	
Model	HPISPPB
Additional Model & Model Difference	NA
Date of tests	Sep. 18, 2023 ~ Oct. 26, 2023

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

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

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

Tested by Lucas Chen Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Dec. 26, 2023

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2309WDG0108-2	Original release.	Dec. 26, 2023



1. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART E (SECTION 15.407 UNDER NEW RULE)			
STANDARD SECTION	TEST TYPE	RESULT	REMARK
15.407(b)(9)	AC Power Conducted Emissions	PASS	Meet the requirement of limit.
15.407(b)(1/4/9)	Radiated Emissions & Band Edge Measurement	PASS	Meet the requirement of limit.
15.407(a)(1/3)	Max Average Transmit Power	PASS	Meet the requirement of limit.
15.407(a)(1/3)	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	2.68dB
Radiated emissions	9KHz ~ 30MHz	2.80dB
	30MHz ~ 1GMHz	4.24dB
	1GHz ~ 18GHz	4.76dB
	18GHz ~ 40GHz	4.50dB

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



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Sprocket Photobooth
MODEL NO.	HPISPPB
FCC ID	2AD2W-PHOTOBOOTH
POWER SUPPLY	DC 12V from adapter input AC 100-240V 50/60Hz 1.2A
MODULATION TYPE	256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA
MODULATION TECHNOLOGY	OFDM, OFDMA
TRANSFER RATE	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 150.0Mbps 802.11ac: up to 200.0Mbps 802.11ax: up to 286.8Mbps
OPERATING FREQUENCY	5180 ~ 5240MHz, 5745 ~ 5825MHz
NUMBER OF CHANNEL	Refer to 2.2 section
CONDUCTED OUTPUT POWER	25.003mW for Band 1 (Maximum AVG Power) 11.885mW for Band 4 (Maximum AVG Power)
ANTENNA TYPE	Band 1: PCB antenna with 2.27dBi gain Band 4: PCB antenna with 3.26dBi gain
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	Refer to user's manual
RF POWER SETTING IN TEST SW	See notes 6

NOTES:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
- Please refer to the EUT photo document (Reference No.: 2309WDG0108-1) for detailed product photo.
- The EUT was powered by the following Adapter:

ADAPTER	
BRAND:	
MODEL:	SA481Z-120400
INPUT:	AC 100-240V, 50/60Hz 1.2A
OUTPUT:	DC 12V, 4A 48.0W
DC LINE:	Unshielded, Non-detachable, 3.0m



5. The working status of the one antenna is as follows.

MODULATION MODE	TX FUNCTION
802.11a	1TX/1RX
802.11n (HT20)/802.11ac (VHT20)/ 802.11ax (HE20)	1TX/1RX
802.11n (HT40)/802.11ac (VHT40)/ 802.11ax (HE40)	1TX/1RX

*The modulation and bandwidth are similar for 802.11n/ac mode for 20MHz (40MHz) and 802.11ax mode for 20MHz (40MHz), therefore the manufacturer will control the power for 802.11n/ac mode are the same as the 802.11ax mode or much lower than it and investigated worst case to representative mode in test report. (Final test mode refer to section 2.2.1)

6. By means of test software provided by manufacturer, the power levels during the tests were set according to the following codes:

802.11a		802.11n20/ac20/ax20		802.11n40/ac40/ax40	
Channel	Power Setting	Channel	Power Setting	Channel	Power Setting
36	f8	36	f8	38	f8
40	f8	40	f8	46	f8
48	f7	48	f8	151	f8
149	f7	149	f7	159	f9
157	f8	157	f9	/	/
165	g4	165	g8	/	/



2.2 DESCRIPTION OF TEST MODES

FOR 5150 ~ 5250MHz

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

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

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	46	5230 MHz

FOR 5725 ~ 5850MHz

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

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

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
151	5755MHz	159	5795MHz



2.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE $\geq$ 1G	RE<1G	PLC	APCM	
-	√	√	√	√	Powered by Adapter with wifi (5G) link

Where **RE $\geq$ 1G**: Radiated Emission above 1GHz**RE<1G**: Radiated Emission below 1GHz**PLC**: Power Line Conducted Emission**APCM**: Antenna Port Conducted Measurement**NOTE:**1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane**.**NOTE:** “-” means no effect.**RADIATED EMISSION TEST (ABOVE 1GHz):**

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

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
-	802.11a	5150-5250	36 to 48	36, 40, 48	OFDM	BPSK	6.0
-	802.11ax (20MHz)		36 to 48	36, 40, 48	OFDMA	BPSK	8.0
-	802.11ax (40MHz)		38 to 46	38, 46	OFDMA	BPSK	16.0
-	802.11a	5725-5850	149 to 165	149, 157, 165	OFDM	BPSK	6.0
-	802.11ax (20MHz)		149 to 165	149, 157, 165	OFDMA	BPSK	8.0
-	802.11ax (40MHz)		151 to 159	151, 159	OFDMA	BPSK	16.0

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)
-	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	TESTED CONDITION
-	WIFI (5G) Link

**ANTENNA PORT CONDUCTED MEASUREMENT:**

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11a	5150-5250	36 to 48	36, 40, 48	OFDM	BPSK	6.0
A	802.11n (20MHz) Output power only		36 to 48	36, 40, 48	OFDM	BPSK	6.5
A	802.11n (40MHz) Output power only		38 to 46	38, 46	OFDM	BPSK	13.5
A	802.11ac (20MHz) Output power only		36 to 48	36, 40, 48	OFDM	BPSK	8.0
A	802.11ac (40MHz) Output power only		38 to 46	38, 46	OFDM	BPSK	16.0
A	802.11ax (20MHz)		36 to 48	36, 40, 48	OFDMA	BPSK	8.0
A	802.11ax (40MHz)		38 to 46	38, 46	OFDMA	BPSK	16.0
A	802.11a	5725-5850	149 to 165	149, 157, 165	OFDM	BPSK	6.0
A	802.11n (20MHz) Output power only		149 to 165	149, 157, 165	OFDM	BPSK	6.5
A	802.11n (40MHz) Output power only		151 to 159	151, 159	OFDM	BPSK	13.5
A	802.11ac (20MHz) Output power only		149 to 165	149, 157, 165	OFDM	BPSK	6.5
A	802.11ac (40MHz) Output power only		151 to 159	151, 159	OFDM	BPSK	13.5
A	802.11ax (20MHz)		149 to 165	149, 157, 165	OFDMA	BPSK	8.0
A	802.11ax (40MHz)		151 to 159	151, 159	OFDMA	BPSK	16.0

TEST CONDITION:

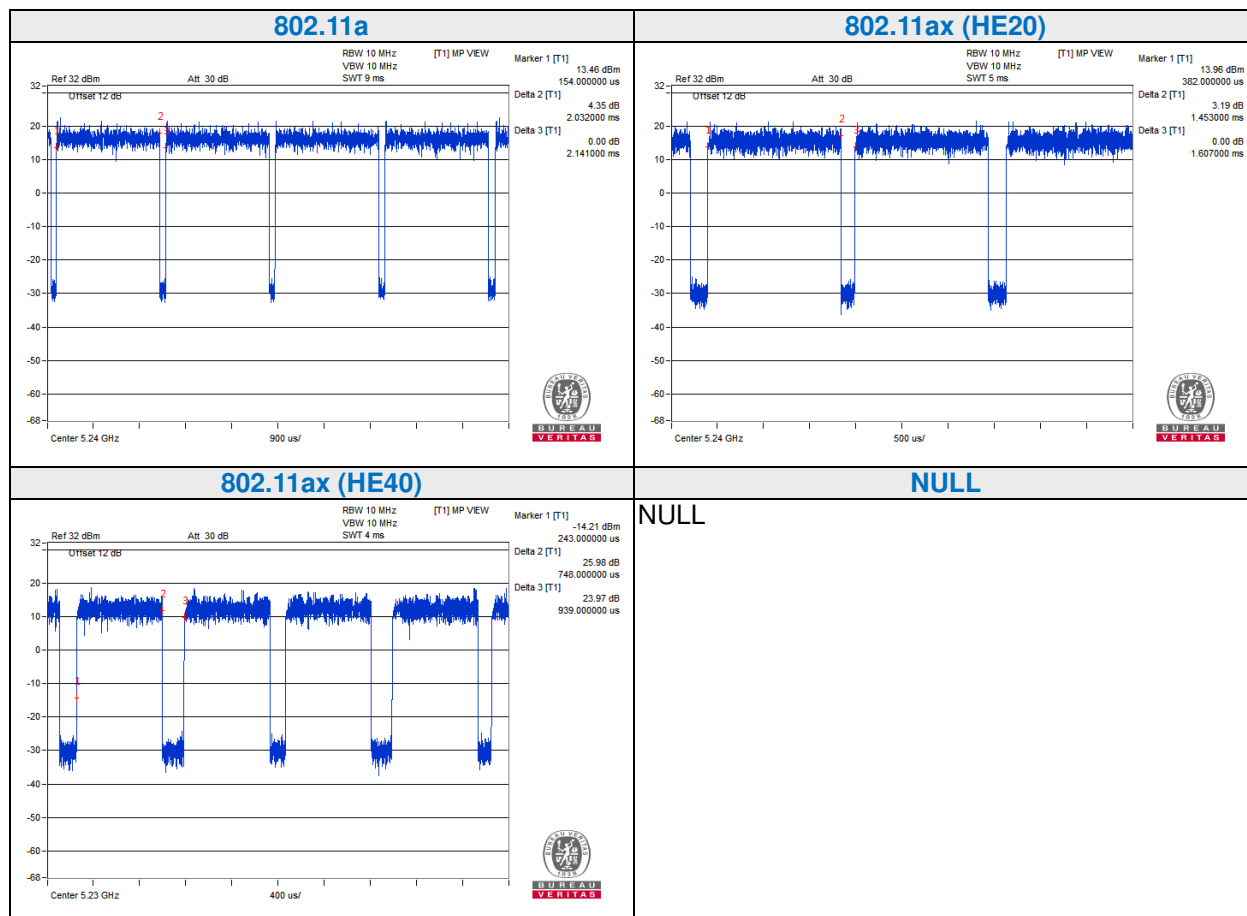
APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE<1G	25deg. C, 56%RH	Powered by Adapter Input AC 120V 60Hz	Stalker
RE≥1G	25deg. C, 56%RH	Powered by Adapter Input AC 120V 60Hz	Stalker
PLC	25deg. C, 67% RH	Powered by Adapter Input AC 120V 60Hz	Summer
APCM	25deg. C, 58% RH	Powered by Adapter Input AC 120V 60Hz	Vincent



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2.3 DUTY CYCLE OF TEST SIGNAL

Test Mode	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty factor (dB)	1/T Min. VBW (KHz)	VBW Setting
802.11a	2.032	2.141	94.9	0.23	0.49	500Hz
802.11ax (HE20)	1.453	1.607	90.4	0.44	0.69	1KHz
802.11ax (HE40)	0.748	0.939	79.7	0.99	1.34	2KHz





2.4 DESCRIPTION OF SUPPORT UNITS

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

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Wireless Router	LINKSYS	WRT-3200ACM	N/A	Q87-WRT3200ACM

NO.	DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	AC Line: Unshielded, Detachable 1.0m

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)

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

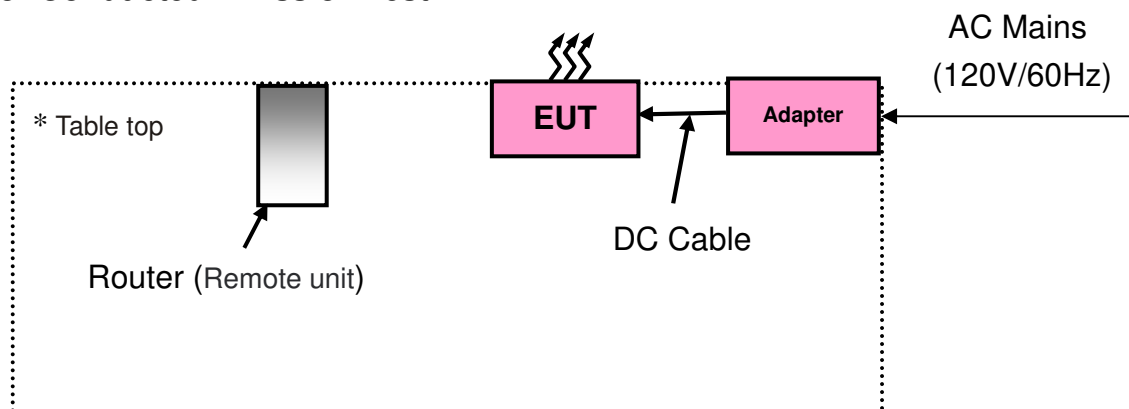
ANSI C63.10-2013

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



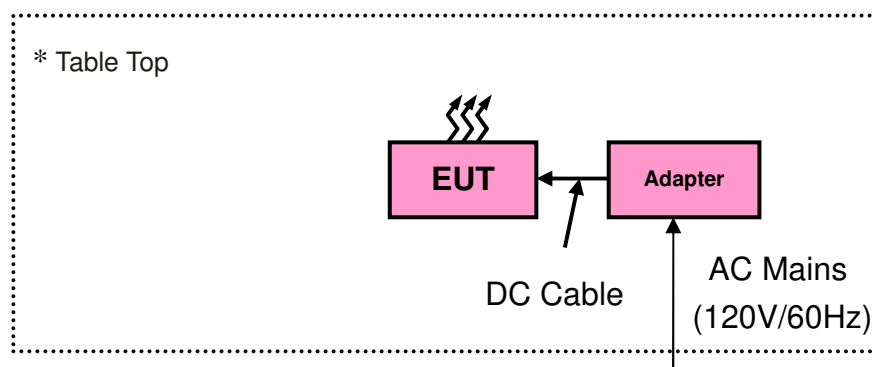
2.6 CONFIGURATION OF SYSTEM UNDER TEST

For Conducted Emission Test



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

For Radiated Emission Test



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



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 v01r03	FIELD STRENGTH AT 3m	
	PK: 74 (dBμV/m)	AV: 54 (dBμV/m)
APPLICABLE TO	EIRP LIMIT	EQUIVALENT FIELD STRENGTH AT 3m
15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
15.407(b)(2)		
15.407(b)(3)		
15.407(b)(4)	Note	Note

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

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

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

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

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

**3.1.3 TEST INSTRUMENTS**

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Jan. 10, 24
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV7	102331	May. 09, 24
Active Loop Antenna (9KHz -30MHz)	SCHWARZBECK	FMZB 1519B	1519B-045	Apr. 27, 24
Amplifier (9KHz -1GHz)	Burgeon	BPA-530	100210	Mar. 06, 24
Trilog-Broadband Antenna(20M-2G)	SCHWARZBECK	VULB 9168	01282	Aug. 21, 24
Horn Antenna (1GHz -18GHz)	ETS -Lindgren	3117	00062558	Apr. 27, 24
Horn Antenna (18GHz -40GHz)	SCHWARZBECK	BBHA 9170	BBHA9170147	Apr. 28, 24
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	NSEMC003	May 22, 24
Test Software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A
Broadband Preamplifier (1GHz~18GHz)	SCHWARZBECK	BBV9718	305	Apr. 26, 24
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Jan. 16, 24
BLUETOOTH TESTER	Rohde&Schwarz	CBT32	100811	N/A

NOTES:

1. The test was performed in 966 Chamber.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GREGT/CHINA and NIM/CHINA.
3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 749762.



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. For below 30MHz, a loop antenna with its vertical plane is place 3m from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. And the centre of the loop shall be 1.3m above the ground.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

NOTES:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) 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.

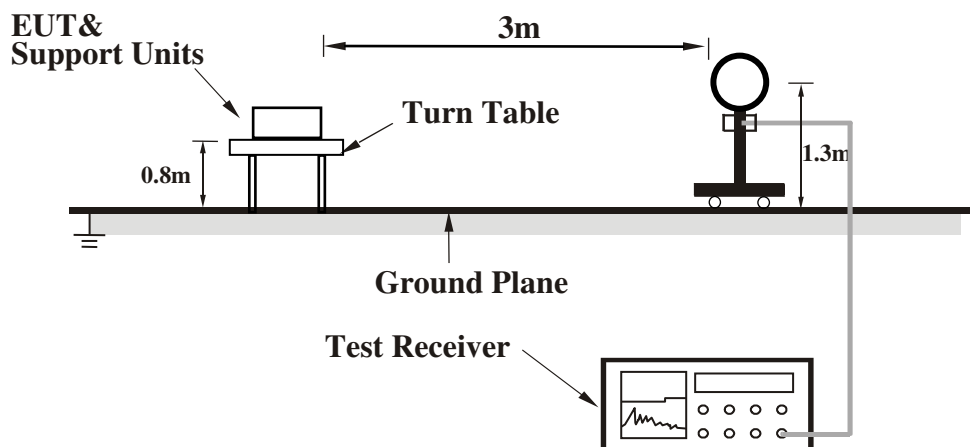


BUREAU
VERITAS

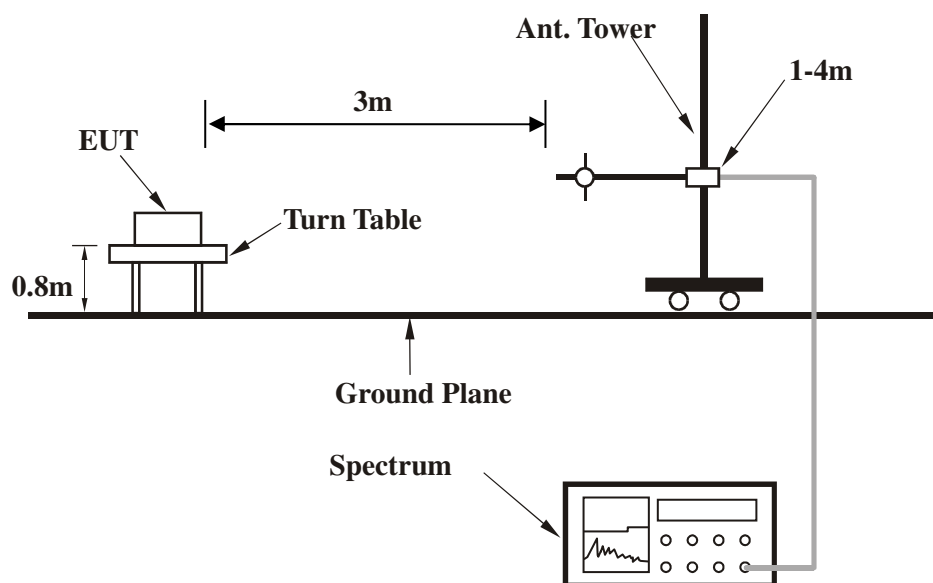
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3.1.6 TEST SETUP

Below 30MHz test setup



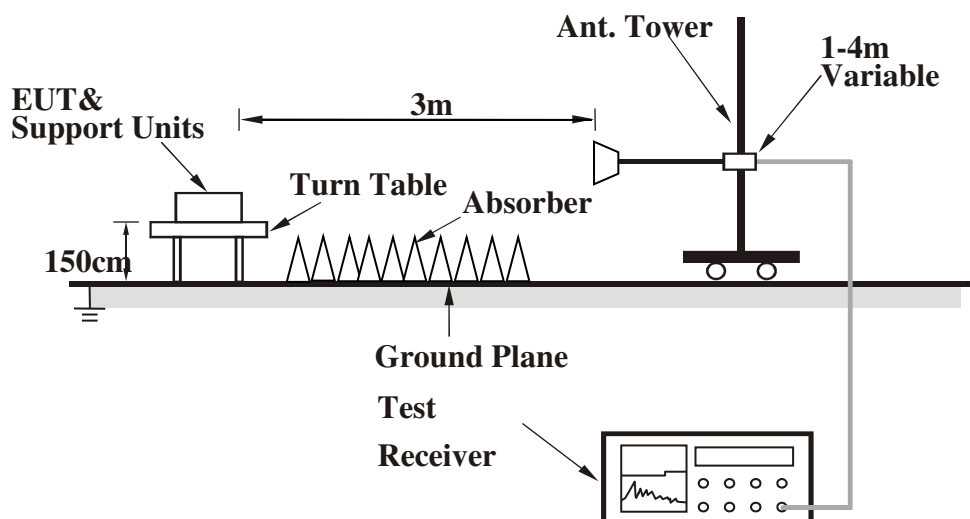
Below 1GHz test setup



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

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



3.1.8 FTEST RESULTS

BELOW 1GHz WORST-CASE DATA

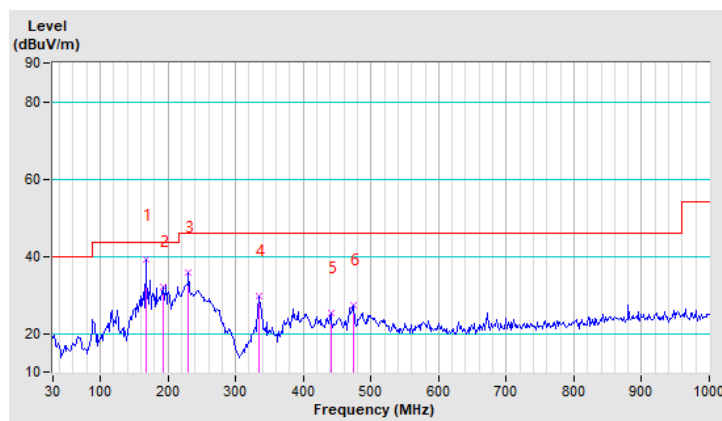
802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	166.79	39.00 QP	43.50	-4.50	3.00 H	151	56.55	-17.55
2	193.22	32.17 QP	43.50	-11.33	3.00 H	168	50.72	-18.55
3	230.53	35.73 QP	46.00	-10.27	3.00 H	187	53.94	-18.21
4	334.68	29.65 QP	46.00	-16.35	3.00 H	202	44.09	-14.44
5	440.38	25.21 QP	46.00	-20.79	3.00 H	215	37.02	-11.81
6	474.58	27.36 QP	46.00	-18.64	3.00 H	228	38.36	-11.00

REMARKS:

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



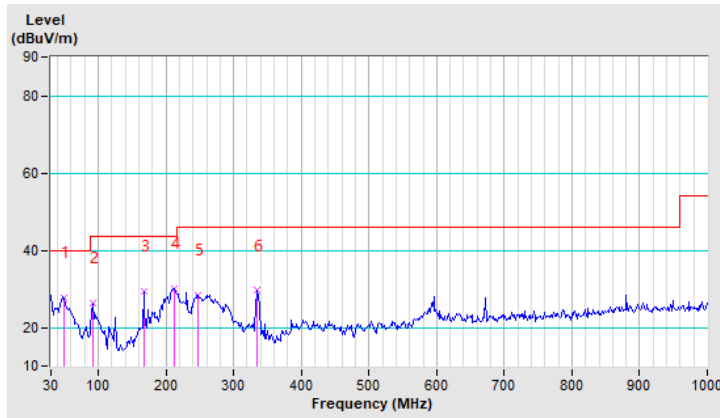


CHANNEL	TX Channel 36	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	50.21	27.70 QP	40.00	-12.30	1.00 V	180	45.21	-17.51
2	92.18	26.41 QP	43.50	-17.09	1.00 V	150	47.94	-21.53
3	166.79	29.40 QP	43.50	-14.10	1.00 V	80	46.95	-17.55
4	211.87	30.09 QP	43.50	-13.41	1.00 V	28	49.06	-18.97
5	247.63	28.29 QP	46.00	-17.71	1.00 V	50	45.80	-17.51
6	334.68	29.54 QP	46.00	-16.46	1.00 V	92	43.98	-14.44

REMARKS:

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





Band 1 (5150-5250MHz):

ABOVE 1GHz DATA

802.11a

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

ANTENNA POLARITY & TEST DISTANCE : HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5147.77	62.69 PK	74.00	-11.31	1.00 H	108	54.64	8.05
2	5147.77	41.84 AV	54.00	-12.16	1.00 H	108	33.79	8.05
3	5150.00	61.87 PK	74.00	-12.13	1.00 H	108	53.83	8.04
4	5150.00	43.02 AV	54.00	-10.98	1.00 H	108	34.98	8.04
5	*5180.00	107.70 PK			1.00 H	108	99.71	7.99
6	*5180.00	98.10 AV			1.00 H	108	90.11	7.99
7	#10360.00	59.18 PK	68.20	-9.02	1.00 H	32	43.54	15.64
8	15540.00	60.30 PK	74.00	-13.70	1.33 H	207	37.30	23.00
9	15540.00	47.59 AV	54.00	-6.41	1.33 H	207	24.59	23.00
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5147.43	56.49 PK	74.00	-17.51	1.00 V	358	48.44	8.05
2	5147.43	37.19 AV	54.00	-16.81	1.00 V	358	29.14	8.05
3	5150.00	54.85 PK	74.00	-19.15	1.00 V	358	46.81	8.04
4	5150.00	37.60 AV	54.00	-16.40	1.00 V	358	29.56	8.04
5	*5180.00	103.65 PK			1.00 V	358	95.66	7.99
6	*5180.00	93.28 AV			1.00 V	358	85.29	7.99
7	#10360.00	55.72 PK	68.20	-12.48	1.50 V	21	40.08	15.64
8	15540.00	60.19 PK	74.00	-13.81	1.00 V	179	37.19	23.00
9	15540.00	48.17 AV	54.00	-5.83	1.00 V	179	25.17	23.00

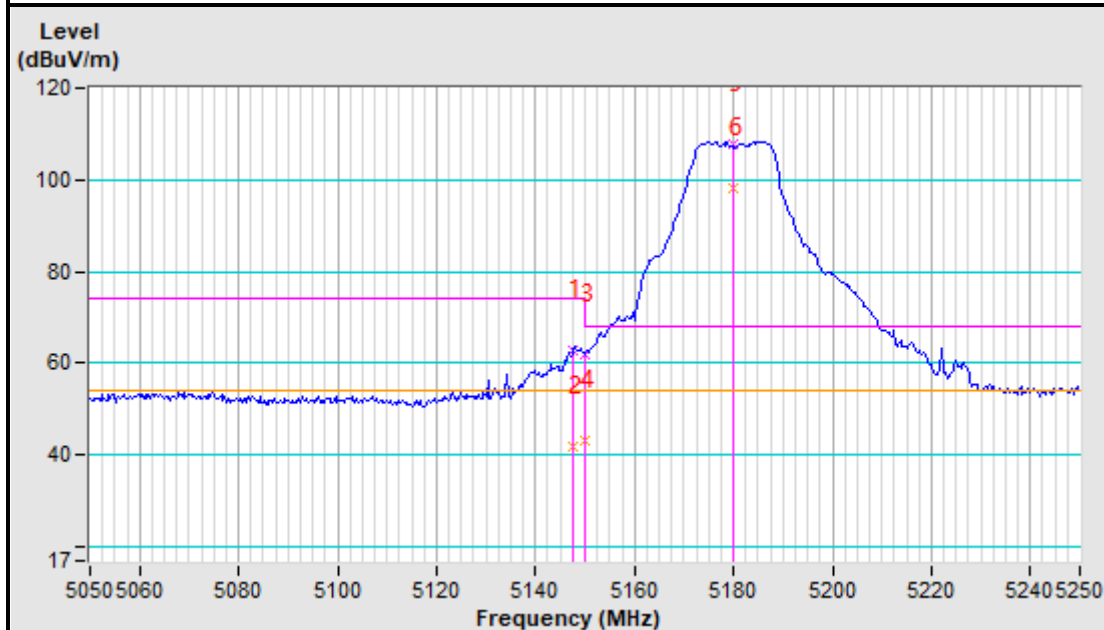
REMARKS:

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

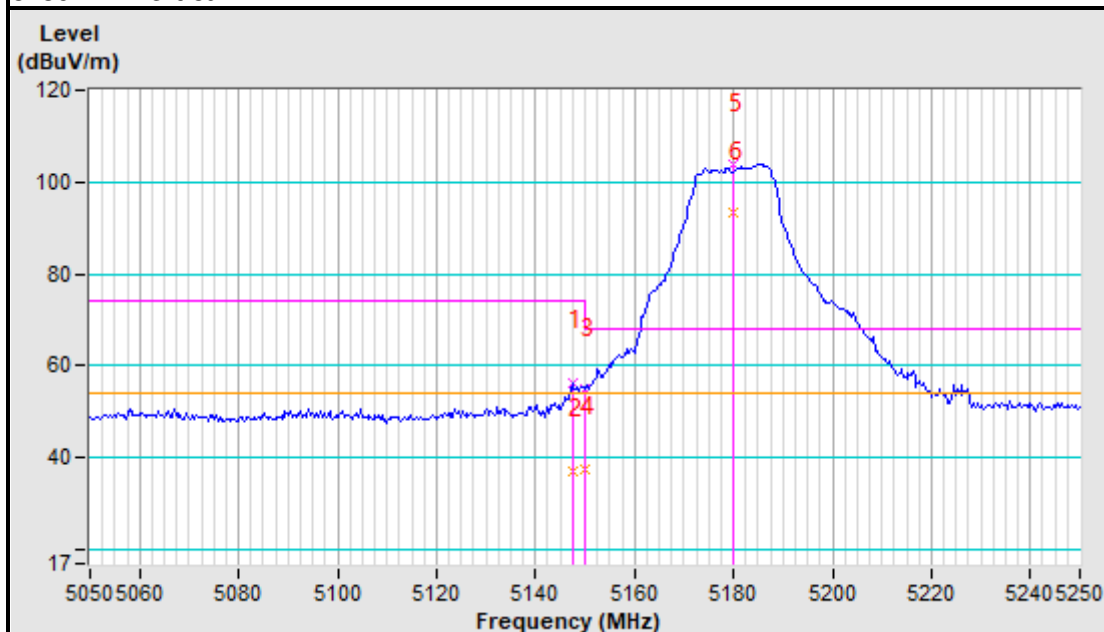


Band edge Plot

5180MHz Horizontal



5180MHz Vertical





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	5145.00	47.79 PK	74.00	-26.21	1.00 H	90	39.74	8.05
2	5145.00	36.80 AV	54.00	-17.20	1.00 H	90	28.75	8.05
3	5150.00	48.95 PK	74.00	-25.05	1.00 H	203	40.91	8.04
4	5150.00	38.40 AV	54.00	-15.60	1.00 H	203	30.36	8.04
5	*5200.00	105.66 PK			1.00 H	66	97.70	7.96
6	*5200.00	93.56 AV			1.00 H	66	85.60	7.96
7	#10400.00	54.23 PK	68.20	-13.97	1.33 H	52	38.26	15.97
8	15600.00	60.29 PK	74.00	-13.71	1.00 H	210	37.37	22.92
9	15600.00	48.79 AV	54.00	-5.21	1.00 H	210	25.87	22.92
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (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	49.29 PK	74.00	-24.71	1.32 V	182	41.24	8.05
2	5145.00	39.20 AV	54.00	-14.80	1.32 V	182	31.15	8.05
3	5150.00	48.68 PK	74.00	-25.32	1.00 V	182	40.64	8.04
4	5150.00	38.26 AV	54.00	-15.74	1.00 V	182	30.22	8.04
5	*5200.00	98.78 PK			1.34 V	184	90.82	7.96
6	*5200.00	88.21 AV			1.34 V	184	80.25	7.96
7	#10360.00	54.26 PK	68.20	-13.94	1.00 V	201	38.62	15.64
8	15600.00	59.26 PK	74.00	-14.74	1.00 V	312	36.34	22.92
9	15600.00	47.26 AV	54.00	-6.74	1.00 V	312	24.34	22.92

REMARKS:

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



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	5136.00	50.32 PK	74.00	-23.68	1.00 H	210	42.25	8.07
2	5136.00	40.23 AV	54.00	-13.77	1.00 H	210	32.16	8.07
3	5150.00	50.35 PK	74.00	-23.65	1.00 H	210	42.31	8.04
4	5150.00	39.20 AV	54.00	-14.80	1.00 H	210	31.16	8.04
5	*5240.00	103.84 PK			1.00 H	210	95.96	7.88
6	*5240.00	93.21 AV			1.00 H	210	85.33	7.88
7	5350.00	51.90 PK	74.00	-22.10	1.00 H	210	44.21	7.69
8	5350.00	40.12 AV	54.00	-13.88	1.00 H	210	32.43	7.69
9	5369.00	51.43 PK	74.00	-22.57	1.00 H	210	43.78	7.65
10	5369.00	40.32 AV	54.00	-13.68	1.00 H	210	32.67	7.65
11	#10480.00	55.15 PK	68.20	-13.05	1.00 H	30	38.51	16.64
12	15720.00	62.10 PK	74.00	-11.90	1.00 H	2	39.34	22.76
13	15720.00	47.59 AV	54.00	-6.41	1.00 H	2	24.83	22.76
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (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	49.13 PK	74.00	-24.87	1.00 V	210	41.08	8.05
2	5145.00	39.22 AV	54.00	-14.78	1.00 V	210	31.17	8.05
3	5150.00	48.06 PK	74.00	-25.94	1.00 V	210	40.02	8.04
4	5150.00	38.19 AV	54.00	-15.81	1.00 V	210	30.15	8.04
5	#5155.00	50.28 PK	68.20	-17.92	1.00 V	210	42.25	8.03
6	#5155.00	40.78 AV	54.00	-13.22	1.00 V	210	32.75	8.03
7	*5240.00	97.39 PK			1.00 V	210	89.51	7.88
8	*5240.00	86.20 AV			1.00 V	210	78.32	7.88
9	5350.00	51.24 PK	74.00	-22.76	1.00 V	210	43.55	7.69
10	5350.00	40.21 AV	54.00	-13.79	1.00 V	210	32.52	7.69
11	#10480.00	55.93 PK	68.20	-12.27	1.00 V	2	39.29	16.64
12	15720.00	59.20 PK	74.00	-14.80	1.00 V	201	36.44	22.76
13	15720.00	47.68 AV	54.00	-6.32	1.00 V	201	24.92	22.76

REMARKS:

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



802.11ax (HE20)

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	5145.00	50.56 PK	74.00	-23.44	1.00 H	251	42.51	8.05
2	5145.00	40.24 AV	54.00	-13.76	1.00 H	251	32.19	8.05
3	5150.00	55.40 PK	74.00	-18.60	1.00 H	251	47.36	8.04
4	5150.00	41.29 AV	54.00	-12.71	1.00 H	251	33.25	8.04
5	*5180.00	105.02 PK			1.00 H	251	97.03	7.99
6	*5180.00	95.26 AV			1.00 H	251	87.27	7.99
7	#10360.00	54.38 PK	68.20	-13.82	1.00 H	201	38.74	15.64
8	15540.00	59.62 PK	74.00	-14.38	1.00 H	20	36.62	23.00
9	15540.00	48.39 AV	54.00	-5.61	1.00 H	20	25.39	23.00
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5145.29	49.88 PK	74.00	-24.12	1.00 V	252	41.83	8.05
2	5145.29	37.65 AV	54.00	-16.35	1.00 V	252	29.60	8.05
3	5150.00	48.83 PK	74.00	-25.17	1.00 V	252	40.79	8.04
4	5150.00	38.15 AV	54.00	-15.85	1.00 V	252	30.11	8.04
5	*5180.00	100.50 PK			1.00 V	252	92.51	7.99
6	*5180.00	90.26 AV			1.00 V	252	82.27	7.99
7	#10360.00	54.83 PK	68.20	-13.37	1.00 V	31	39.19	15.64
8	15540.00	61.49 PK	74.00	-12.51	1.00 V	301	38.49	23.00
9	15540.00	48.70 AV	54.00	-5.30	1.00 V	301	25.70	23.00

REMARKS:

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

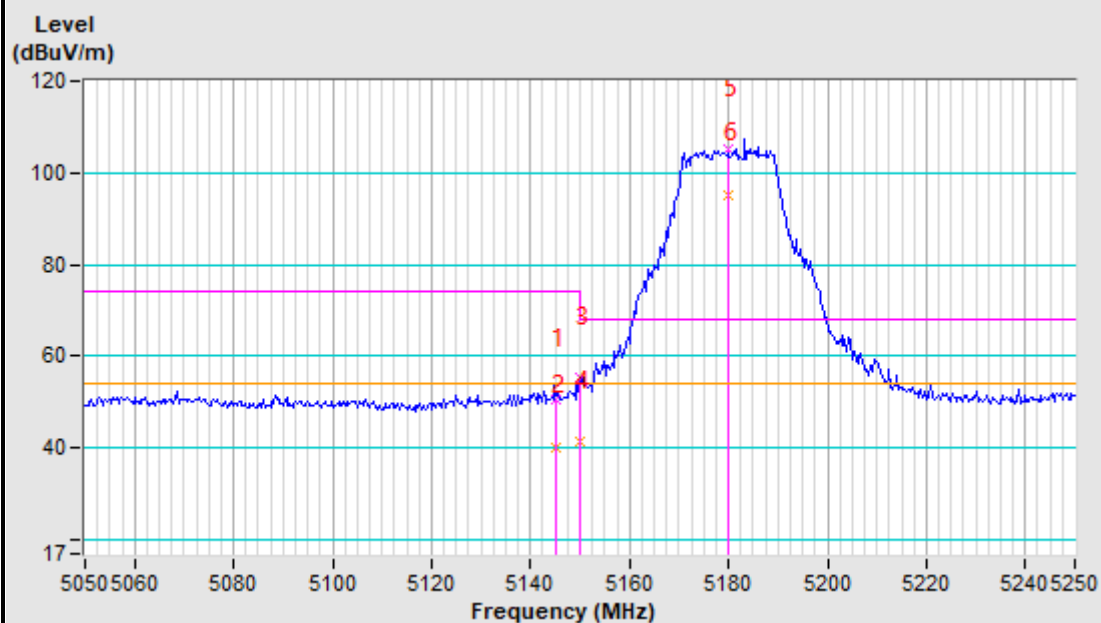


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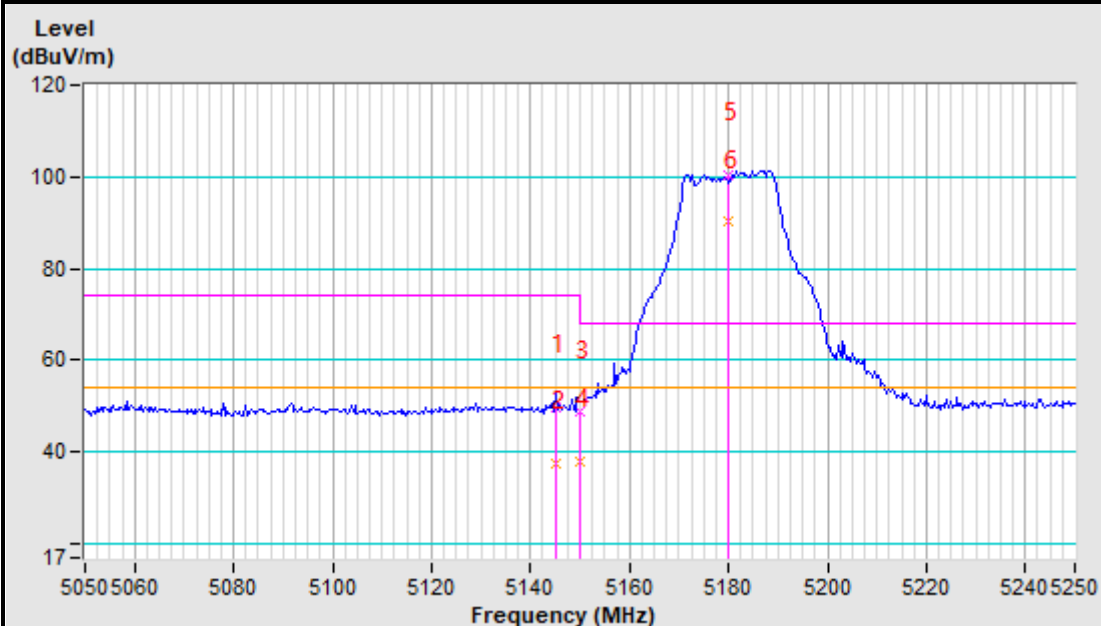
Test Report No.: RF2309WDG0108-2

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	5145.20	50.21 PK	74.00	-23.79	1.00 H	210	42.16	8.05
2	5145.20	38.49 AV	54.00	-15.51	1.00 H	210	30.44	8.05
3	5150.00	49.81 PK	74.00	-24.19	1.00 H	210	41.77	8.04
4	5150.00	38.79 AV	54.00	-15.21	1.00 H	210	30.75	8.04
5	*5200.00	105.62 PK			1.00 H	210	97.66	7.96
6	*5200.00	94.26 AV			1.00 H	210	86.30	7.96
7	#10400.00	52.19 PK	68.20	-16.01	1.00 H	32	36.22	15.97
8	15600.00	59.19 PK	74.00	-14.81	1.00 H	220	36.27	22.92
9	15600.00	48.36 AV	54.00	-5.64	1.00 H	220	25.44	22.92
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5145.71	48.34 PK	74.00	-25.66	1.00 V	251	40.29	8.05
2	5145.71	38.70 AV	54.00	-15.30	1.00 V	251	30.65	8.05
3	5150.00	51.20 PK	74.00	-22.80	1.00 V	301	43.16	8.04
4	5150.00	38.40 AV	54.00	-15.60	1.00 V	301	30.36	8.04
5	*5200.00	100.78 PK			1.00 V	251	92.82	7.96
6	*5200.00	90.23 AV			1.00 V	251	82.27	7.96
7	#10400.00	53.29 PK	68.20	-14.91	1.00 V	32	37.32	15.97
8	15600.00	61.45 PK	74.00	-12.55	1.00 V	201	38.53	22.92
9	15600.00	46.20 AV	54.00	-7.80	1.00 V	201	23.28	22.92

REMARKS:

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



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	5145.00	50.61 PK	74.00	-23.39	1.00 H	241	42.56	8.05
2	5145.00	38.18 AV	54.00	-15.82	1.00 H	241	30.13	8.05
3	5150.00	49.61 PK	74.00	-24.39	1.00 H	241	41.57	8.04
4	5150.00	37.26 AV	54.00	-16.74	1.00 H	241	29.22	8.04
5	*5240.00	105.48 PK			1.00 H	241	97.60	7.88
6	*5240.00	95.37 AV			1.00 H	241	87.49	7.88
7	5350.00	52.40 PK	74.00	-21.60	1.00 H	241	44.71	7.69
8	5350.00	40.21 AV	54.00	-13.79	1.00 H	241	32.52	7.69
9	5352.00	51.75 PK	74.00	-22.25	1.00 H	232	44.06	7.69
10	5352.00	38.19 AV	54.00	-15.81	1.00 H	232	30.50	7.69
11	#10480.00	52.29 PK	68.20	-15.91	1.00 H	47	35.65	16.64
12	15720.00	58.29 PK	74.00	-15.71	1.00 H	22	35.53	22.76
13	15720.00	48.95 AV	54.00	-5.05	1.00 H	22	26.19	22.76
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (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	48.37 PK	74.00	-25.63	1.00 V	31	40.32	8.05
2	5145.00	38.25 AV	54.00	-15.75	1.00 V	31	30.20	8.05
3	5150.00	49.14 PK	74.00	-24.86	1.00 V	31	41.10	8.04
4	5150.00	38.00 AV	54.00	-16.00	1.00 V	31	29.96	8.04
5	*5240.00	101.95 PK			1.00 V	31	94.07	7.88
6	*5240.00	91.26 AV			1.00 V	31	83.38	7.88
7	5350.00	51.36 PK	74.00	-22.64	1.00 V	31	43.67	7.69
8	5350.00	38.70 AV	54.00	-15.30	1.00 V	31	31.01	7.69
9	5352.00	51.34 PK	74.00	-22.66	1.00 V	31	43.65	7.69
10	5352.00	37.69 AV	54.00	-16.31	1.00 V	31	30.00	7.69
11	#10480.00	54.22 PK	68.20	-13.98	1.00 V	30	37.58	16.64
12	15720.00	51.26 PK	74.00	-22.74	1.03 V	20	28.50	22.76
13	15720.00	41.11 AV	54.00	-12.89	1.03 V	20	18.35	22.76

REMARKS:

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



802.11ax (HE40)

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

ANTENNA POLARITY & TEST DISTANCE : HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5140.00	54.45 PK	74.00	-19.55	1.00 H	221	46.39	8.06
2	5140.00	43.20 AV	54.00	-10.80	1.00 H	221	35.14	8.06
3	5150.00	56.60 PK	74.00	-17.40	1.00 H	221	48.56	8.04
4	5150.00	43.26 AV	54.00	-10.74	1.00 H	221	35.22	8.04
5	*5190.00	104.02 PK			1.00 H	221	96.04	7.98
6	*5190.00	93.20 AV			1.00 H	221	85.22	7.98
7	#10380.00	52.16 PK	68.20	-16.04	1.00 H	84	36.36	15.80
8	15570.00	58.79 PK	74.00	-15.21	1.00 H	30	35.83	22.96
9	15570.00	47.61 AV	54.00	-6.39	1.00 H	30	24.65	22.96
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (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	49.86 PK	74.00	-24.14	1.00 V	20	41.81	8.05
2	5145.00	37.50 AV	54.00	-16.50	1.00 V	20	29.45	8.05
3	5150.00	51.41 PK	74.00	-22.59	1.00 V	20	43.37	8.04
4	5150.00	39.40 AV	54.00	-14.60	1.00 V	20	31.36	8.04
5	*5190.00	100.81 PK			1.00 V	20	92.83	7.98
6	*5190.00	89.25 AV			1.00 V	20	81.27	7.98
7	#10380.00	53.37 PK	68.20	-14.83	1.00 V	2	37.57	15.80
8	15570.00	58.70 PK	74.00	-15.30	1.34 V	61	35.74	22.96
9	15570.00	48.66 AV	54.00	-5.34	1.34 V	61	25.70	22.96

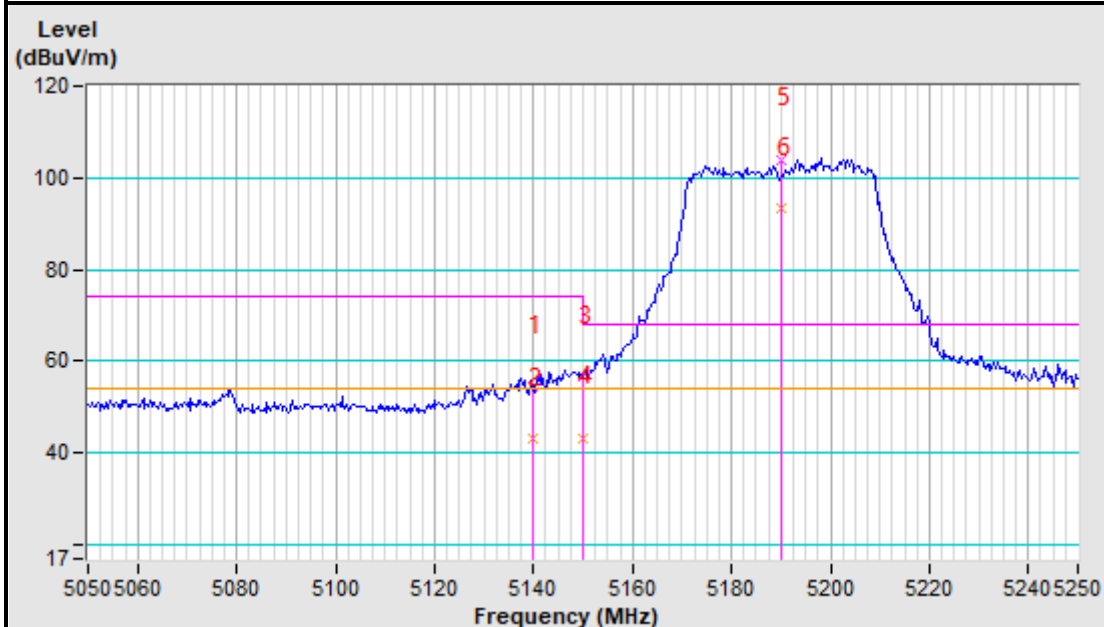
REMARKS:

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

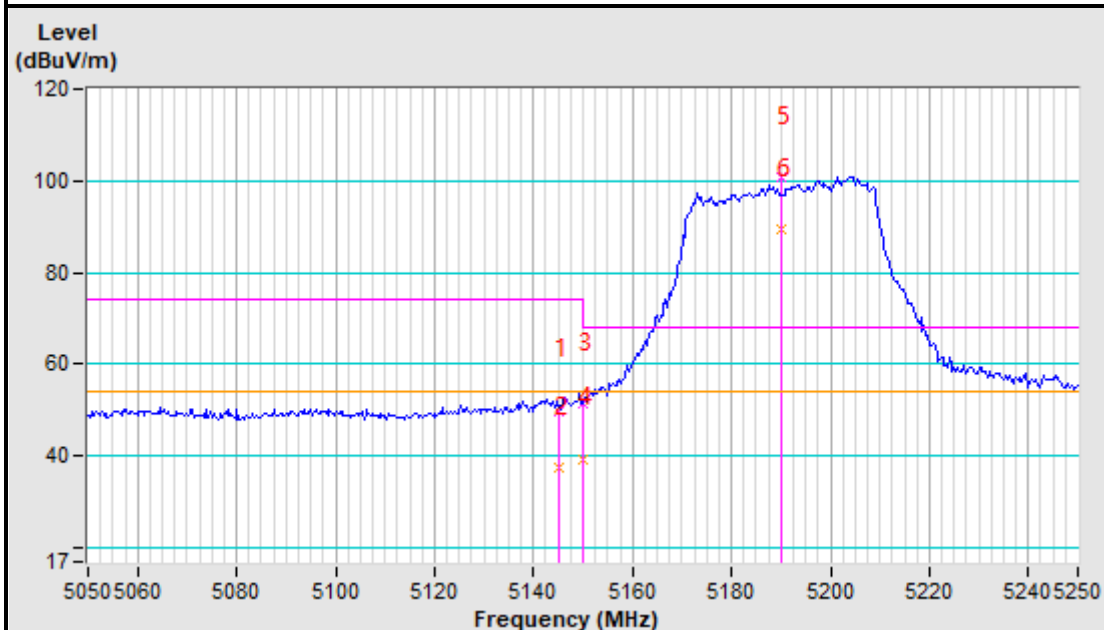


Band edge Plot

5190MHz Horizontal



5190MHz Vertical





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	5143.00	51.50 PK	74.00	-22.50	1.00 H	20	43.45	8.05
2	5143.00	39.40 AV	54.00	-14.60	1.00 H	20	31.35	8.05
3	5150.00	50.61 PK	74.00	-23.39	1.00 H	91	42.57	8.04
4	5150.00	40.10 AV	54.00	-13.90	1.00 H	91	32.06	8.04
5	*5230.00	102.68 PK			1.00 H	91	94.78	7.90
6	*5230.00	92.60 AV			1.00 H	91	84.70	7.90
7	#10460.00	56.29 PK	68.20	-11.91	1.00 H	301	39.82	16.47
8	15690.00	59.29 PK	74.00	-14.71	1.00 H	32	36.49	22.80
9	15690.00	49.20 AV	54.00	-4.80	1.00 H	32	26.40	22.80
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5145.00	48.73 PK	74.00	-25.27	1.00 V	210	40.68	8.05
2	5145.00	38.40 AV	54.00	-15.60	1.00 V	210	30.35	8.05
3	5150.00	48.41 PK	74.00	-25.59	1.00 V	138	40.37	8.04
4	5150.00	36.48 AV	54.00	-17.52	1.00 V	138	28.44	8.04
5	*5230.00	100.22 PK			1.00 V	138	92.32	7.90
6	*5230.00	89.20 AV			1.00 V	138	81.30	7.90
7	#10460.00	52.34 PK	68.20	-15.86	1.00 V	19	35.87	16.47
8	15690.00	59.26 PK	74.00	-14.74	1.00 V	32	36.46	22.80
9	15690.00	47.39 AV	54.00	-6.61	1.00 V	32	24.59	22.80

REMARKS:

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



Band 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	4596.00	57.21 PK	74.00	-16.79	1.54 H	54	49.90	7.31
2	4596.00	50.62 AV	54.00	-3.38	1.54 H	54	43.31	7.31
3	#5636.66	56.52 PK	68.20	-11.68	1.00 H	65	48.96	7.56
4	#5725.00	62.34 PK	122.20	-59.86	1.00 H	352	54.69	7.65
5	*5745.00	105.50 PK			1.00 H	10	97.83	7.67
6	*5745.00	96.4 AV			1.00 H	10	88.73	7.67
7	#5847.00	50.62 PK	152.20	-101.58	1.00 H	155	42.85	7.77
8	#10360.00	54.25 PK	68.20	-13.95	1.00 H	233	38.61	15.64
9	15540.00	59.37 PK	74.00	-14.63	1.00 H	168	36.37	23.00
10	15540.00	47.35 AV	54.00	-6.65	1.00 H	100	24.35	23.00
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4596.00	56.75 PK	74.00	-17.25	1.00 V	360	49.44	7.31
2	4596.00	49.98 AV	54.00	-4.02	1.00 V	360	42.67	7.31
3	#5712.86	51.08 PK	108.80	-57.72	1.00 V	101	43.45	7.63
4	#5725.00	54.97 PK	122.20	-67.23	1.00 V	180	47.32	7.65
5	*5745.00	99.92 PK			1.00 H	10	92.25	7.67
6	*5745.00	90.23 AV			1.00 H	10	82.56	7.67
7	#5997.24	55.21 PK	68.20	-12.99	1.00 V	168	47.28	7.93
8	#10360.00	53.48 PK	68.20	-14.72	1.00 V	109	37.84	15.64
9	15540.00	47.55 PK	74.00	-26.45	1.00 V	288	24.55	23.00
10	15540.00	58.49 AV	54.00	-15.51	1.00 V	288	35.49	23.00

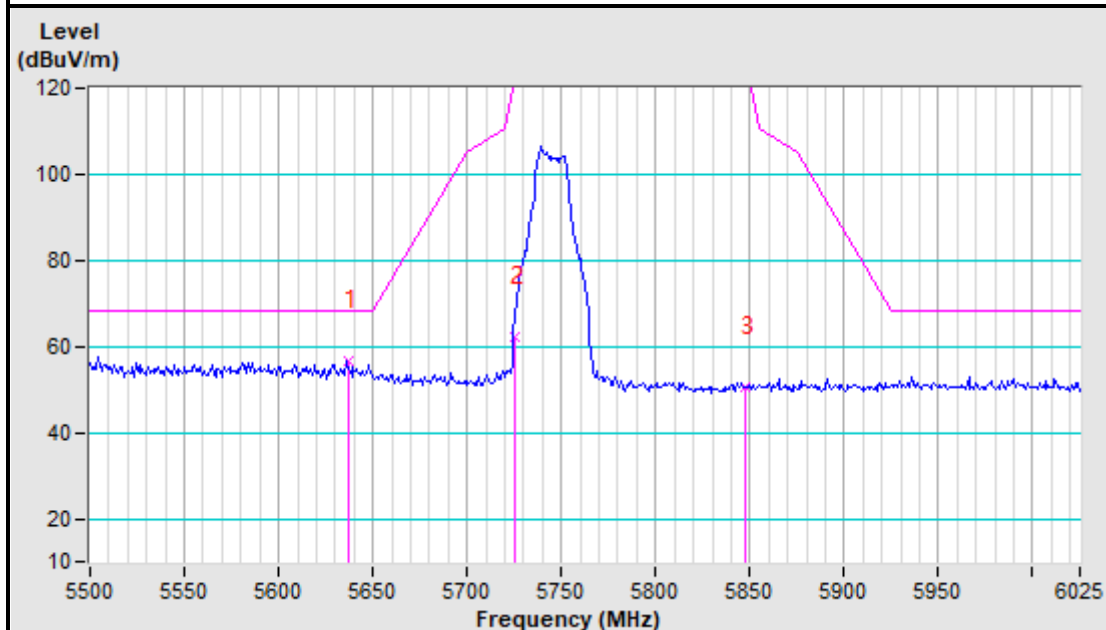
REMARKS:

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

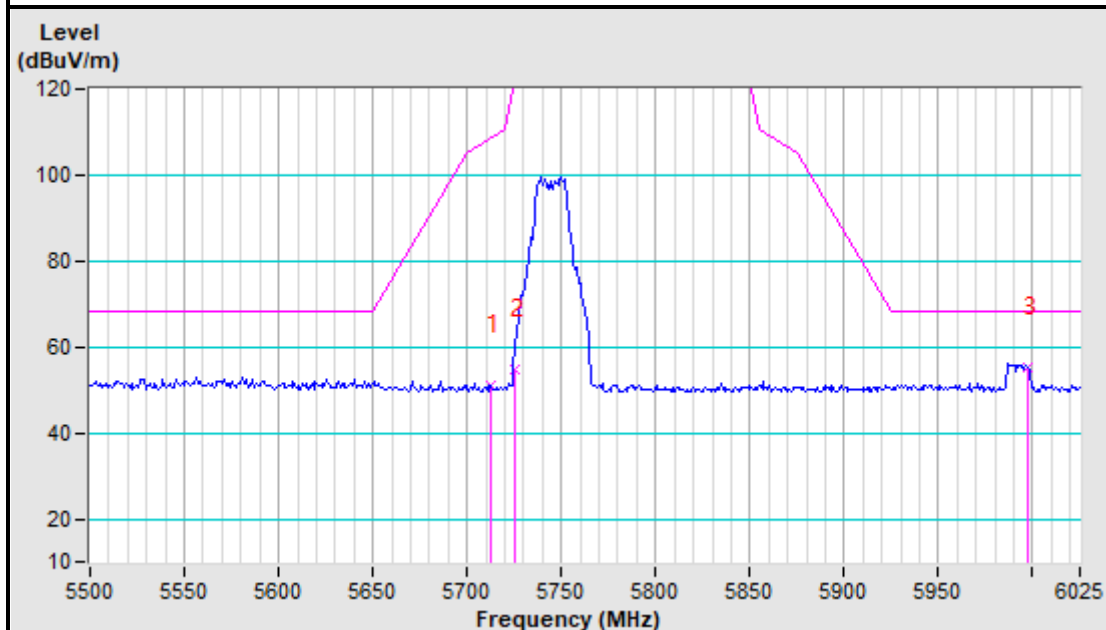


Band edge Plot

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	4628.00	58.69 PK	74.00	-15.31	1.00 H	52	51.30	7.39
2	4628.00	52.45 AV	54.00	-1.55	1.00 H	52	45.06	7.39
3	#5641.71	52.65 PK	68.20	-15.55	1.00 H	0	45.09	7.56
4	#5725.00	50.66 PK	122.20	-71.54	1.00 H	0	43.01	7.65
5	*5785.00	104.50 PK			1.00 H	12	96.78	7.72
6	*5785.00	94.21 AV			1.00 H	12	86.49	7.72
7	#5929.09	49.79 PK	68.20	-18.41	1.00 H	0	41.93	7.86
8	11570.00	54.32 PK	74.00	-19.68	1.00 H	21	37.69	16.63
9	11570.00	43.25 AV	54.00	-10.75	1.00 H	21	26.62	16.63
10	#17355.00	61.23 PK	68.20	-6.97	1.00 H	144	37.03	24.20
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	4628.00	57.21 PK	74.00	-16.79	1.46 V	225	49.82	7.39
2	4628.00	51.21 AV	54.00	-2.79	1.46 V	225	43.82	7.39
3	#5656.01	50.72 PK	72.66	-21.94	1.00 V	0	43.14	7.58
4	#5725.00	49.35 PK	122.20	-72.85	1.00 V	0	41.70	7.65
5	*5785.00	98.27 PK			1.00 V	100	90.55	7.72
6	*5785.00	87.52 AV			1.00 V	100	79.80	7.72
7	#5994.23	55.43 PK	68.20	-12.77	1.00 V	0	47.50	7.93
8	11570.00	52.73 PK	74.00	-21.27	1.00 V	262	36.10	16.63
9	11570.00	41.09 AV	54.00	-12.91	1.00 V	262	24.46	16.63
10	#17355.00	61.28 PK	68.20	-6.92	1.00 V	150	37.08	24.20

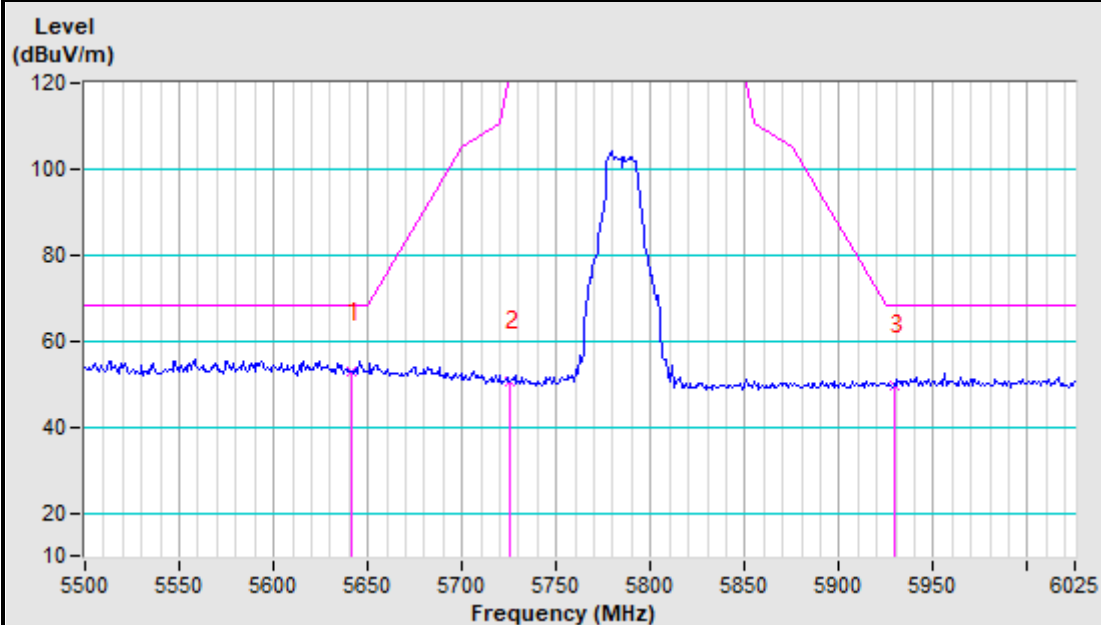
REMARKS:

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 less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

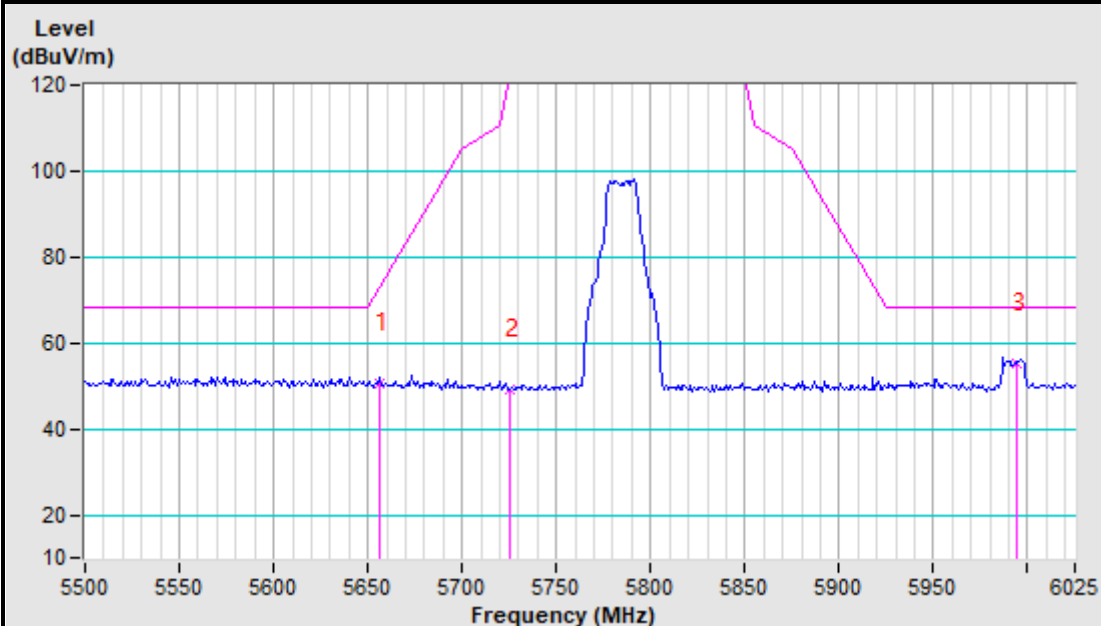


Band edge Plot

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	4660.00	58.55 PK	74.00	-15.45	1.74 H	8	51.08	7.47
2	4660.00	53.86 AV	54.00	-0.14	1.74 H	8	46.39	7.47
3	#5646.75	54.20 PK	68.20	-14.00	1.00 H	0	46.63	7.57
4	*5825.00	100.72 PK			1.00 H	10	92.97	7.75
5	*5825.00	90.23 AV			1.00 H	10	82.48	7.75
6	#5850.00	50.84 PK	122.20	-71.36	1.00 H	0	43.07	7.77
7	#5855.89	50.39 PK	110.55	-60.16	1.00 H	0	42.60	7.79
8	11650.00	53.29 PK	74.00	-20.71	1.00 H	32	36.68	16.61
9	11650.00	43.20 AV	54.00	-10.80	1.00 H	32	26.59	16.61
10	#17475.00	51.20 PK	68.20	-17.00	1.00 H	21	27.11	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	4660.00	56.45 PK	74.00	-17.55	1.66 V	48	48.98	7.47
2	4660.00	51.66 AV	54.00	-2.34	1.66 V	48	44.19	7.47
3	#5714.27	50.43 PK	109.20	-58.77	1.00 V	0	42.80	7.63
4	*5825.00	97.82 PK			1.00 V	323	90.07	7.75
5	*5825.00	87.21 AV			1.00 V	323	79.46	7.75
6	#5850.00	52.07 PK	122.20	-70.13	1.00 V	0	44.30	7.77
7	#5862.62	49.44 PK	108.66	-59.22	1.00 V	0	41.65	7.79
8	11650.00	53.29 PK	74.00	-20.71	1.00 V	20	36.68	16.61
9	11650.00	42.19 AV	54.00	-11.81	1.00 V	20	25.58	16.61
10	#17475.00	58.49 PK	68.20	-9.71	1.00 V	32	34.40	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 less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

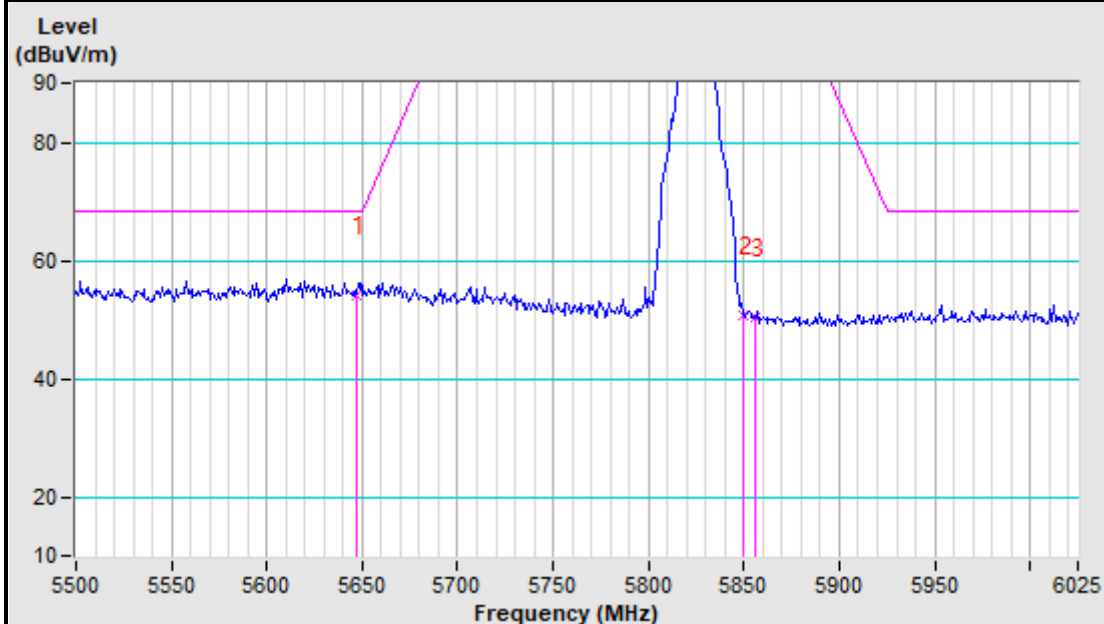


BUREAU
VERITAS

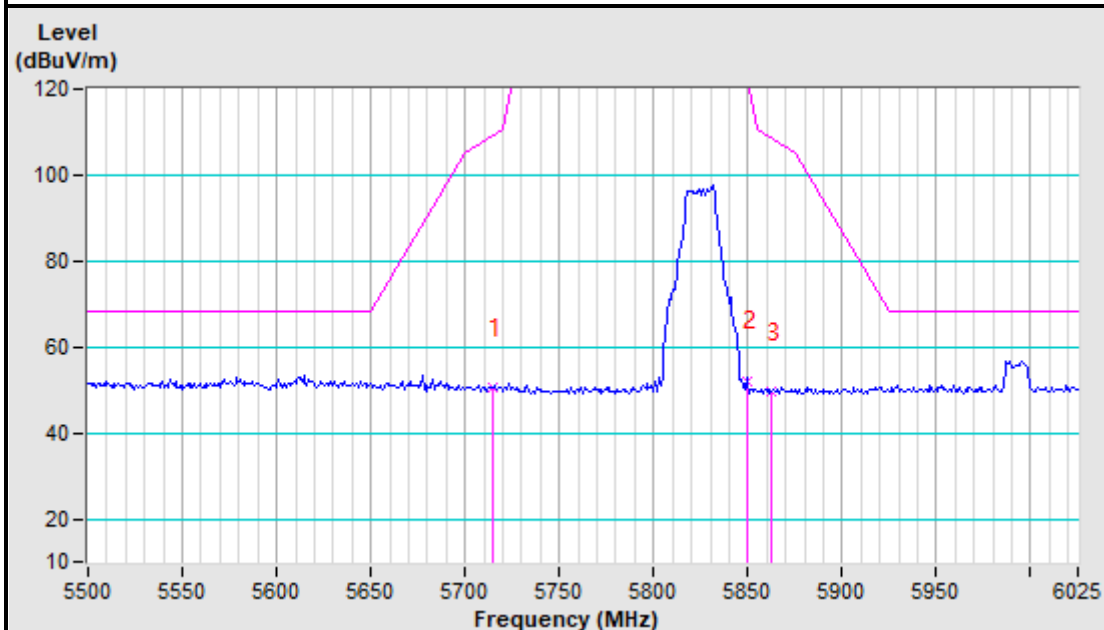
Test Report No.: RF2309WDG0108-2

Band edge Plot

5825MHz Horizontal



5825MHz Vertical





802.11ax (HE20)

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	4596.00	57.26 PK	74.00	-16.74	1.62 H	40	49.95	7.31
2	4596.00	52.19 AV	54.00	-1.81	1.62 H	40	44.88	7.31
3	#5650.12	53.93 PK	68.29	-14.36	1.00 H	0	46.35	7.58
4	#5725.00	63.38 PK	122.20	-58.82	1.00 H	0	55.73	7.65
5	*5745.00	104.70 PK			1.00 H	10	97.03	7.67
6	*5745.00	94.32 AV			1.00 H	10	86.65	7.67
7	#5948.91	50.45 PK	68.20	-17.75	1.00 H	0	42.57	7.88
8	11490.00	52.30 PK	74.00	-21.70	1.00 H	32	35.66	16.64
9	11490.00	42.29 AV	54.00	-11.71	1.00 H	32	25.65	16.64
10	#17236.00	59.67 PK	68.20	-8.53	1.00 H	301	35.35	24.32
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4596.00	56.49 PK	74.00	-17.51	1.33 V	52	49.18	7.31
2	4596.00	50.62 AV	54.00	-3.38	1.33 V	52	43.31	7.31
3	#5651.80	51.42 PK	69.54	-18.12	1.00 V	0	43.84	7.58
4	#5725.00	59.60 PK	122.20	-62.60	1.00 V	0	51.95	7.65
5	*5745.00	98.70 PK			1.00 V	210	91.03	7.67
6	*5745.00	88.24 AV			1.00 V	210	80.57	7.67
7	#5990.87	54.79 PK	68.20	-13.41	1.00 V	0	46.87	7.92
8	11490.00	52.64 PK	74.00	-21.36	1.00 V	32	36.00	16.64
9	11490.00	42.19 AV	54.00	-11.81	1.00 V	32	25.55	16.64
10	#17235.00	61.20 PK	68.20	-7.00	1.00 V	41	36.88	24.32

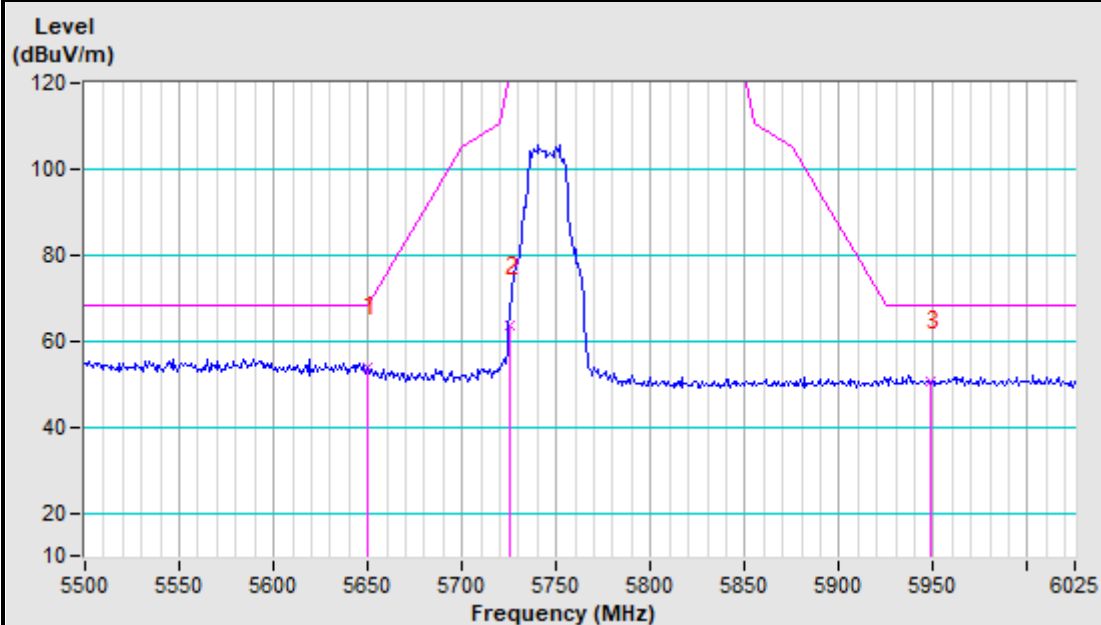
REMARKS:

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

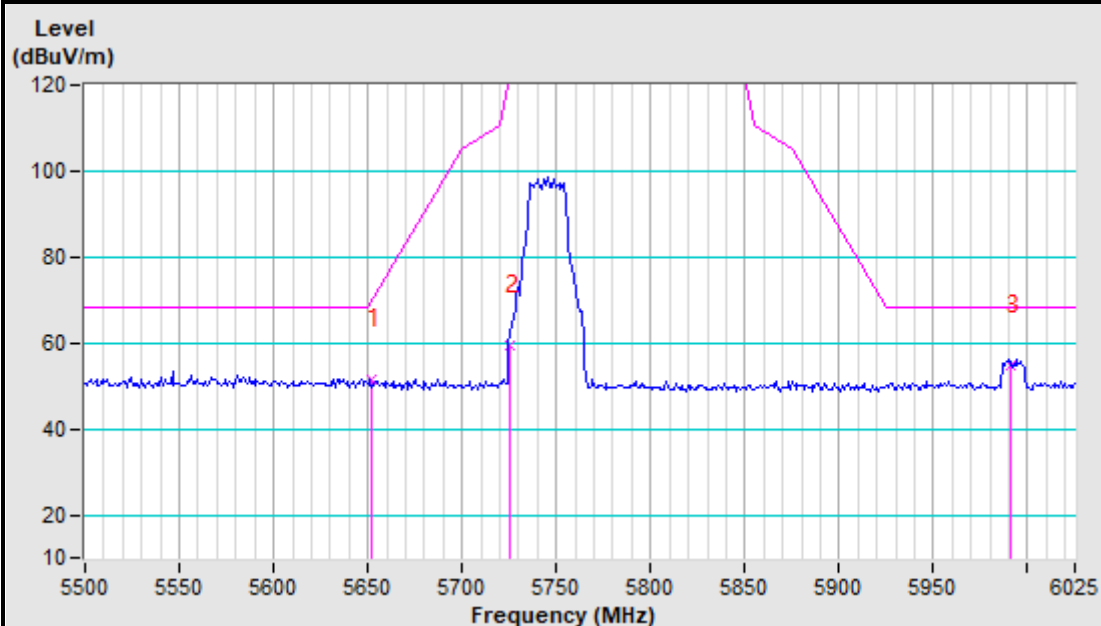


Band edge Plot

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	4628.93	57.21 PK	74.00	-16.79	1.66 H	95	49.82	7.39
2	4628.93	52.82 AV	54.00	-1.18	1.66 H	95	45.43	7.39
3	#5634.13	53.76 PK	68.20	-14.44	1.00 H	152	46.20	7.56
4	#5725.00	50.32 PK	122.20	-71.88	1.00 H	79	42.67	7.65
5	*5785.00	104.16 PK			1.00 H	221	96.44	7.72
6	*5785.00	93.16 AV			1.00 H	221	85.44	7.72
7	#5940.38	49.04 PK	68.20	-19.16	1.00 H	234	41.17	7.87
8	11570.00	56.21 PK	74.00	-17.79	1.00 H	21	39.58	16.63
9	11570.00	42.10 AV	54.00	-11.90	1.00 H	21	25.47	16.63
10	#17355.00	62.37 PK	68.20	-5.83	1.00 H	32	38.17	24.20
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	4627.93	56.26 PK	74.00	-17.74	2.33 V	65	48.87	7.39
2	4627.93	50.34 AV	54.00	-3.66	2.33 V	65	42.95	7.39
3	#5653.49	48.88 PK	70.79	-21.91	1.00 V	240	41.30	7.58
4	#5723.32	48.32 PK	118.36	-70.04	1.00 V	191	40.67	7.65
5	*5785.00	99.05 PK			1.00 V	201	91.33	7.72
6	*5785.00	90.39 AV			1.00 V	201	82.67	7.72
7	#5994.23	54.70 PK	68.20	-13.50	1.00 V	307	46.77	7.93
8	11570.00	56.72 PK	74.00	-17.28	1.00 V	210	40.09	16.63
9	11570.00	43.29 AV	54.00	-10.71	1.00 V	210	26.66	16.63
10	#17355.00	62.30 PK	68.20	-5.90	1.00 V	20	38.10	24.20

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 less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

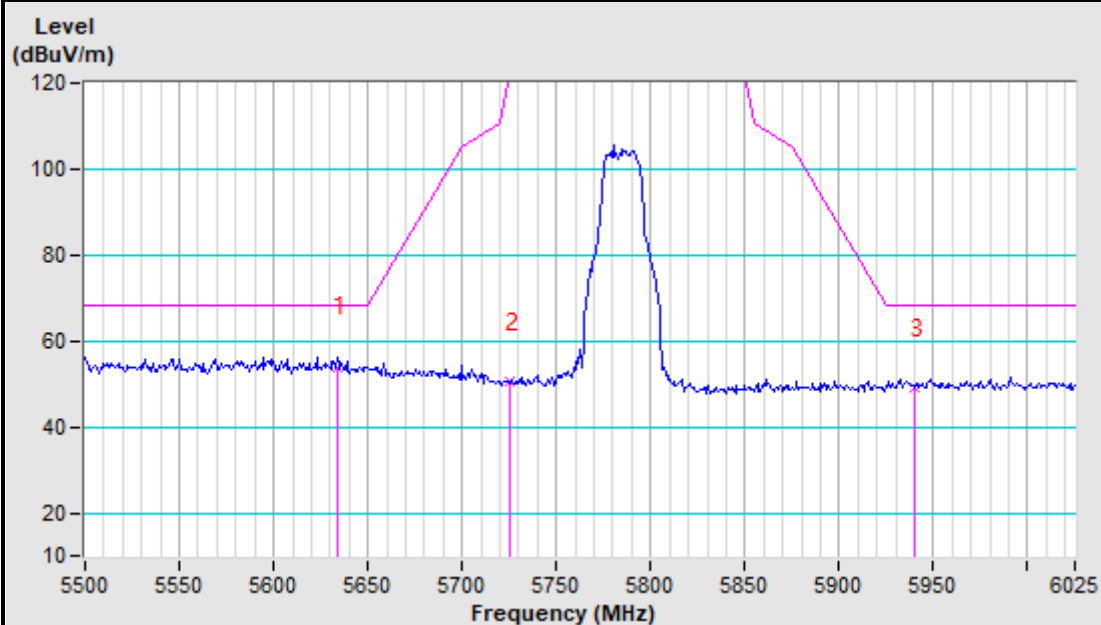


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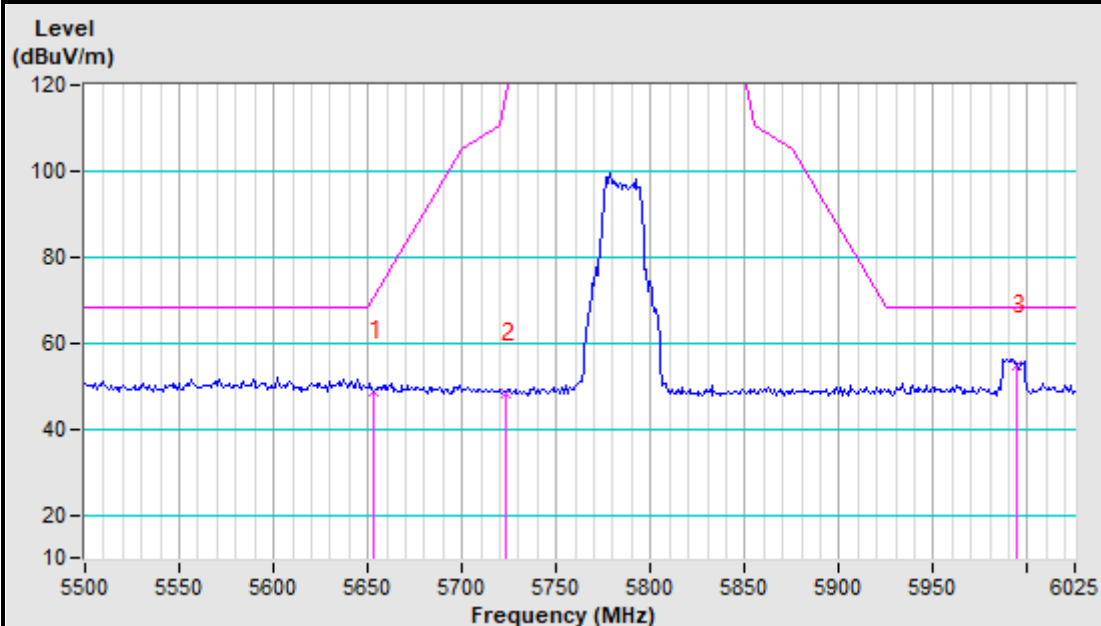
Test Report No.: RF2309WDG0108-2

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	4660.34	56.28 PK	74.00	-17.72	1.64 H	55	48.81	7.47
2	4660.34	53.28 AV	54.00	-0.72	1.64 H	55	45.81	7.47
3	#5709.86	52.22 PK	107.96	-55.74	1.00 H	0	44.59	7.63
4	*5825.00	104.17 PK			1.00 H	133	96.42	7.75
5	*5825.00	94.20 AV			1.00 H	133	86.45	7.75
6	#5850.00	51.84 PK	122.20	-70.36	1.00 H	0	44.07	7.77
7	#5876.92	49.31 PK	103.77	-54.46	1.00 H	0	41.50	7.81
8	11650.00	53.20 PK	74.00	-20.80	1.00 H	0	36.59	16.61
9	11650.00	42.19 AV	54.00	-11.81	1.00 H	0	25.58	16.61
10	#17475.00	62.30 PK	68.20	-5.90	1.00 H	2	38.21	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	4660.15	56.26 PK	74.00	-17.74	1.33 V	52	48.79	7.47
2	4660.15	51.87 AV	54.00	-2.13	1.33 V	52	44.40	7.47
3	#5720.79	49.50 PK	112.61	-63.11	1.00 V	7	41.85	7.65
4	*5825.00	98.96 PK			1.00 V	21	91.21	7.75
5	*5825.00	89.26 AV			1.00 V	21	81.51	7.75
6	#5850.00	48.94 PK	122.20	-73.26	1.00 V	0	41.17	7.77
7	#5988.82	56.08 PK	68.20	-12.12	1.00 V	0	48.16	7.92
8	11650.00	56.29 PK	74.00	-17.71	1.00 V	21	39.68	16.61
9	11650.00	44.26 AV	54.00	-9.74	1.00 V	21	27.65	16.61
10	#17475.00	62.70 PK	68.20	-5.50	1.00 V	21	38.61	24.09

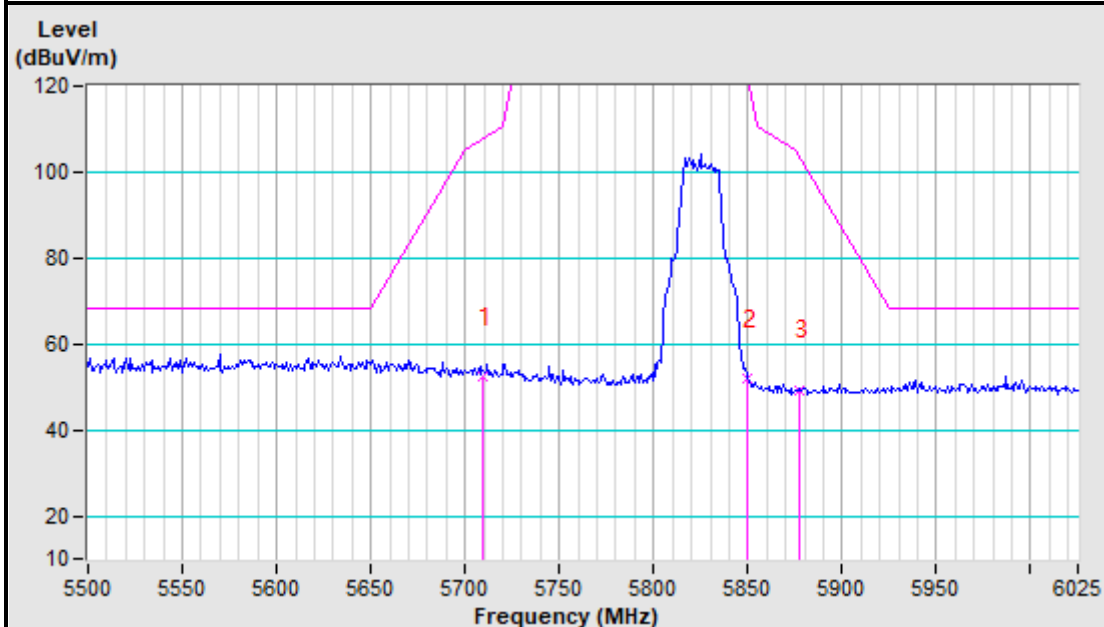
REMARKS:

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 less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

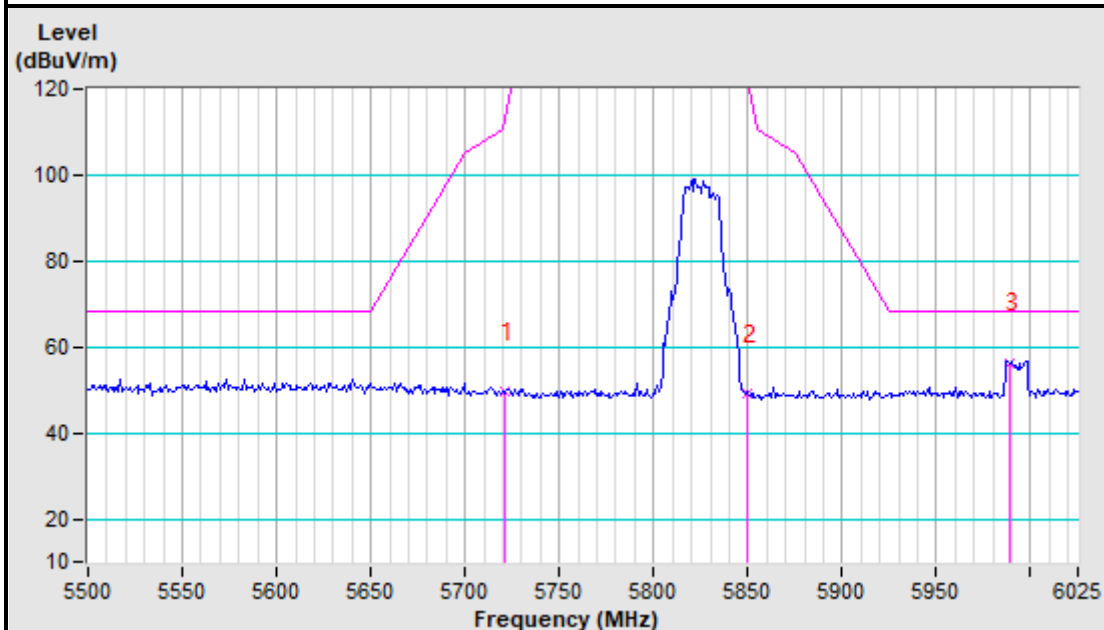


Band edge Plot

5825MHz Horizontal



5825MHz Vertical





802.11ax (HE40)

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	4600.00	57.98 PK	74.00	-16.02	1.33 H	60	50.66	7.32
2	4600.00	53.36 AV	54.00	-0.64	1.33 H	60	46.04	7.32
3	#5637.50	53.06 PK	68.20	-15.14	1.00 H	0	45.50	7.56
4	#5725.00	64.55 PK	122.20	-57.65	1.00 H	0	56.90	7.65
5	*5755.00	101.27 PK			1.00 H	21	93.59	7.68
6	*5755.00	90.15 AV			1.00 H	21	82.47	7.68
7	#5868.51	48.92 PK	107.02	-58.10	1.00 H	0	41.13	7.79
8	11510.00	53.26 PK	74.00	-20.74	1.00 H	31	36.62	16.64
9	11510.00	42.19 AV	54.00	-11.81	1.00 H	31	25.55	16.64
10	#17265.00	63.29 PK	68.20	-4.91	1.00 H	21	38.99	24.30
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4600.00	56.26 PK	74.00	-17.74	1.44 V	74	48.94	7.32
2	4600.00	50.39 AV	54.00	-3.61	1.44 V	74	43.07	7.32
3	#5725.00	59.88 PK	122.20	-62.32	1.00 V	285	52.23	7.65
4	*5755.00	96.74 PK			1.00 V	21	89.06	7.68
5	*5755.00	87.59 AV			1.00 V	21	79.91	7.68
6	#5850.00	48.34 PK	122.20	-73.86	1.00 V	0	40.57	7.77
7	#5992.19	54.52 PK	68.20	-13.68	1.00 V	0	46.59	7.93
8	11510.00	53.26 PK	74.00	-20.74	1.00 V	309	36.62	16.64
9	11510.00	43.20 AV	54.00	-10.80	1.00 V	309	26.56	16.64
10	#17265.00	59.20 PK	68.20	-9.00	1.00 V	39	34.90	24.30

REMARKS:

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

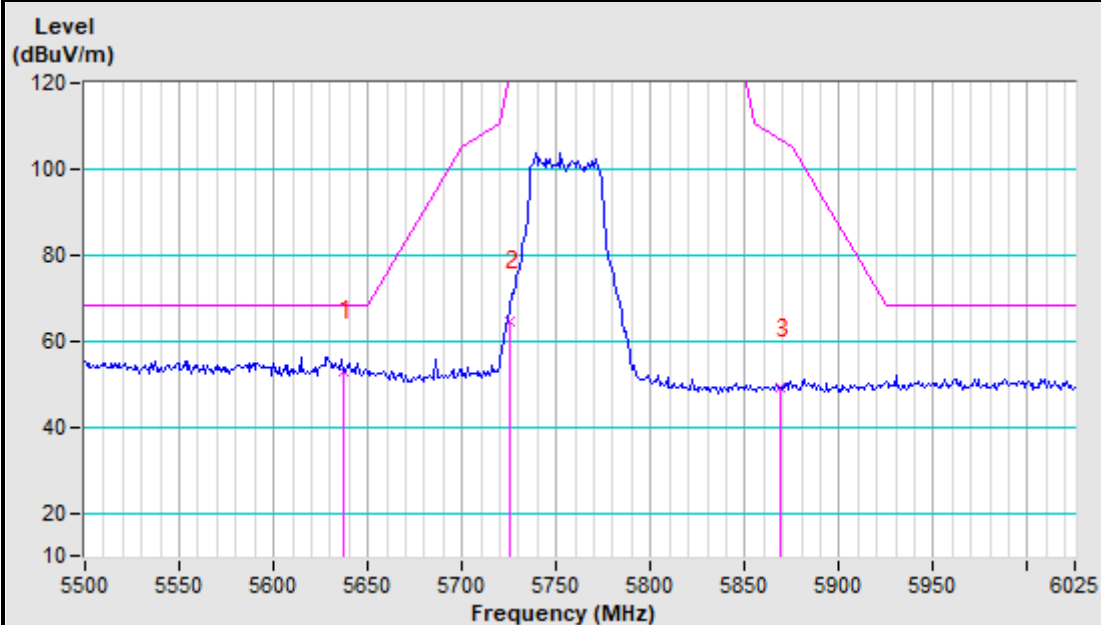


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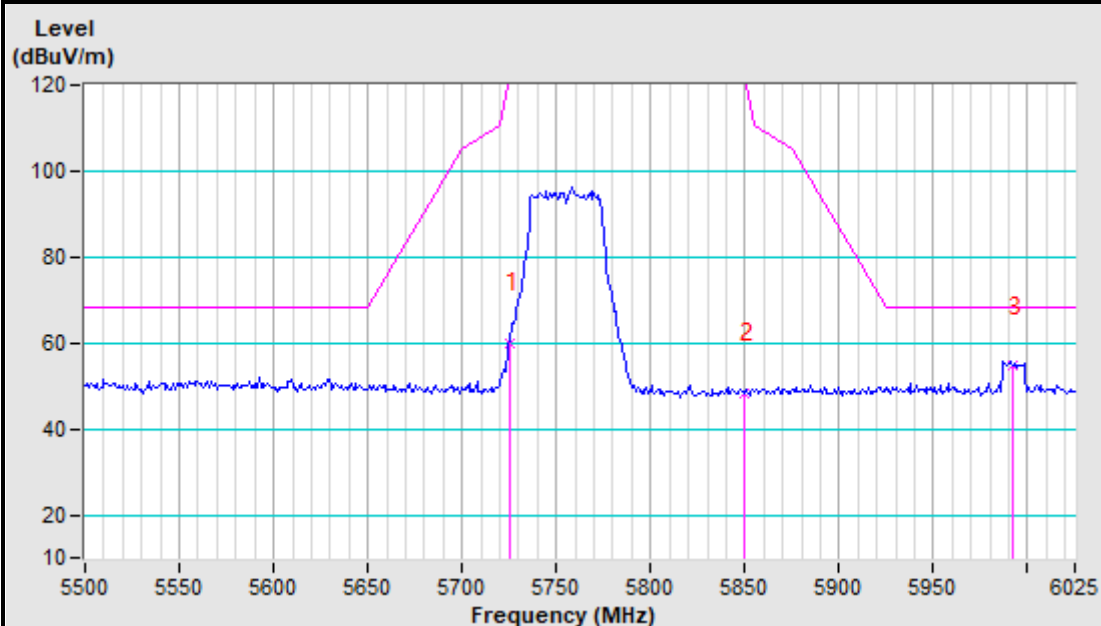
Test Report No.: RF2309WDG0108-2

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	4636.67	59.20 PK	74.00	-14.80	1.33 H	65	51.79	7.41
2	4636.67	53.39 AV	54.00	-0.61	1.33 H	65	45.98	7.41
3	#5634.13	54.57 PK	68.20	-13.63	1.00 H	339	47.01	7.56
4	*5795.00	101.39 PK			1.00 H	10	93.67	7.72
5	*5795.00	90.23 AV			1.00 H	10	82.51	7.72
6	#5850.00	49.06 PK	122.20	-73.14	1.00 H	158	41.29	7.77
7	#5860.94	49.69 PK	109.14	-59.45	1.00 H	222	41.90	7.79
8	11590.00	56.60 PK	74.00	-17.40	1.00 H	10	39.97	16.63
9	11590.00	43.37 AV	54.00	-10.63	1.00 H	10	26.74	16.63
10	#17325.00	61.30 PK	68.20	-6.90	1.00 H	32	37.06	24.24
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4636.00	58.23 PK	74.00	-15.77	1.00 V	52	50.83	7.40
2	4636.00	50.94 AV	54.00	-3.06	1.00 V	52	43.54	7.40
3	#5653.49	49.63 PK	70.79	-21.16	1.00 V	184	42.05	7.58
4	*5795.00	95.96 PK			1.00 V	21	88.24	7.72
5	*5795.00	86.32 AV			1.00 V	21	78.60	7.72
6	#5850.00	48.61 PK	122.20	-73.59	1.00 V	123	40.84	7.77
7	#5996.39	55.62 PK	68.20	-12.58	1.00 V	282	47.69	7.93
8	11590.00	56.43 PK	74.00	-17.57	1.00 V	0	39.80	16.63
9	11590.00	43.26 AV	54.00	-10.74	1.00 V	32	26.63	16.63
10	#17325.00	59.26 PK	68.20	-8.94	1.00 V	0	35.02	24.24

REMARKS:

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

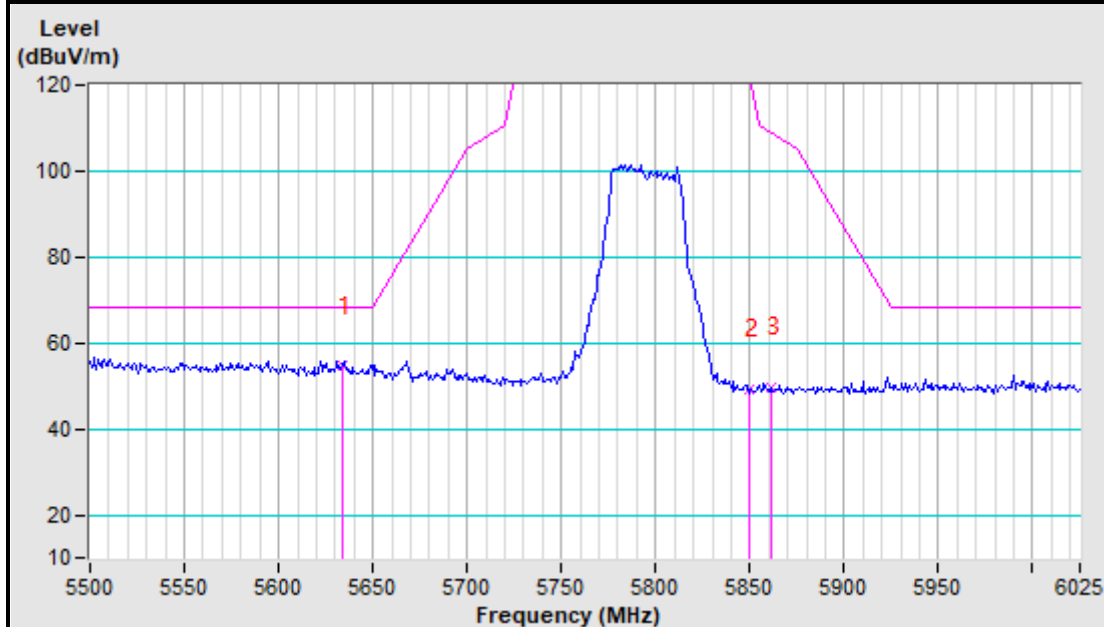


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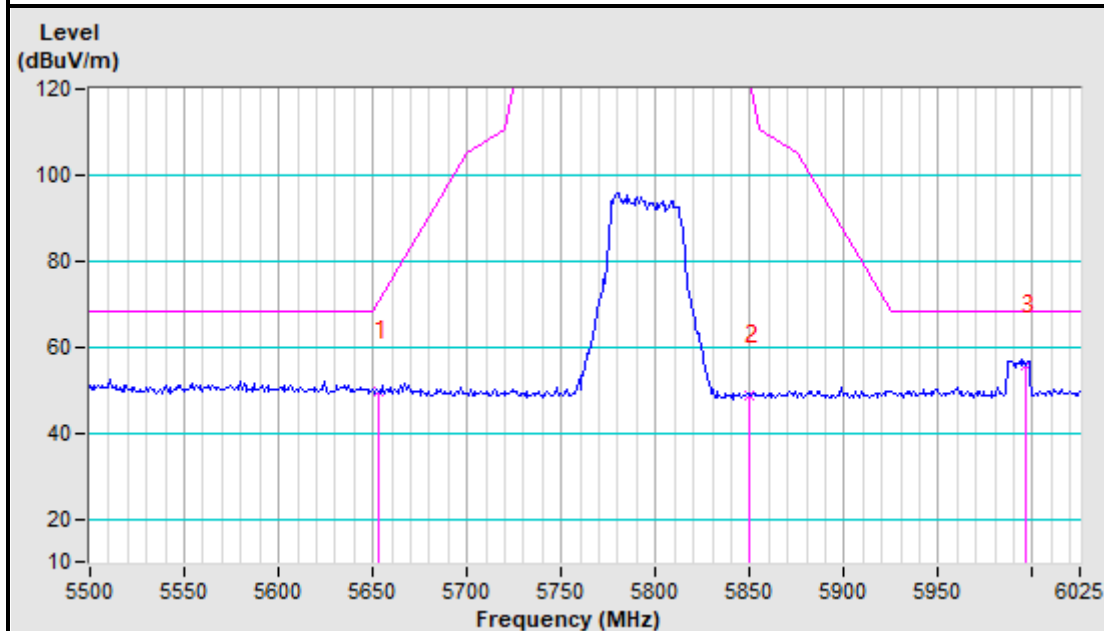
Test Report No.: RF2309WDG0108-2

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 (dB μ V)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

- 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	ESCI	100666	Apr. 06, 24
Artificial Mains Network	Rohde&Schwarz	ENV216	102477	Apr. 06, 24
Artificial Mains Network	SCHWARZBECK	NSLK 8127	8127713	Apr. 02, 24
V-LISN (CISPR 25)	SCHWARZBECK	NNBM 8124	8124 07019	Apr. 02, 24
V-LISN (CISPR 25)	SCHWARZBECK	NNBM 8124	8124 07015	Apr. 02, 24
Capacitive Voltage Probe	Rohde&Schwarz	CVP 9222	9222-044	Aug. 06, 24
Voltage Probe	SCHWARZBECK	TK 9421	9421-0332	Apr. 05, 24
Current Probe	Rohde&Schwarz	EZ-17	101494	Apr. 02, 24
ISN	Rohde&Schwarz	ENY81-CA6	101928	Apr. 06, 24
ISN	TESEQ	ISN T800	34373	Jan. 11, 24
Coaxial RF Cable	COMMATE	CFD300-NL	5D-001	Oct. 16, 24
Shielding Room	Burgeon	5m*4m*3m	D3040008DG-1	Jul. 22, 24
Test software	ADT	ADT Cond V7.3.7	N/A	N/A

- NOTE:** 1. The test was performed in shielded room 543.
2. The calibration interval of the above test equipment (except shielded room and chamber) is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
3. Test site: No. 122, Houjie Avenue West Houjie Town, Dongguan City Guangdong Province, 523960, People's Republic of China.



3.2.3 TEST PROCEDURES

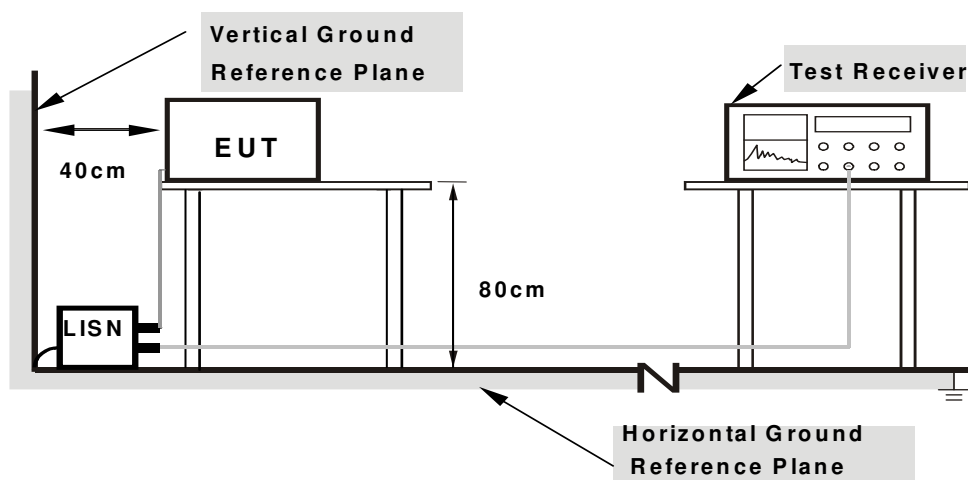
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- 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 3.1.6



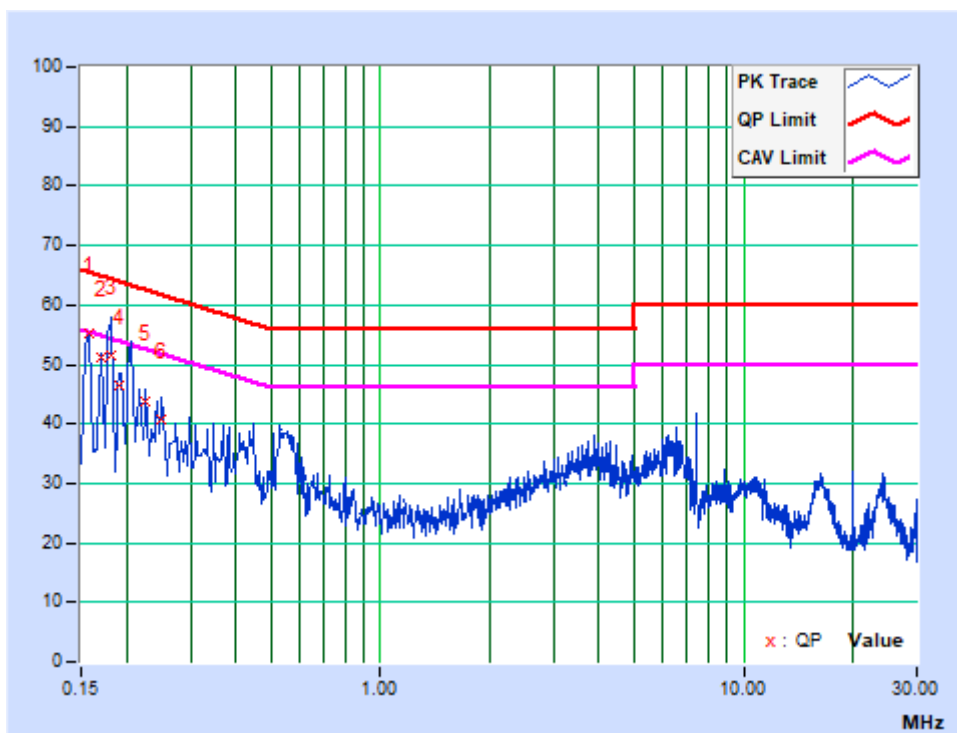
3.2.7 TEST RESULTS

CONDUCTED WORST-CASE DATA: WIFI Link

PHASE	Line	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15800	9.69	45.67	23.87	55.36	33.56	65.57	55.57	-10.21	-22.01
2	0.17000	9.70	41.63	21.52	51.33	31.22	64.96	54.96	-13.63	-23.74
3	0.18180	9.70	41.72	21.21	51.42	30.91	64.40	54.40	-12.98	-23.49
4	0.19164	9.69	36.81	19.47	46.50	29.16	63.97	53.97	-17.46	-24.80
5	0.22600	9.70	34.09	18.78	43.79	28.48	62.60	52.60	-18.81	-24.12
6	0.25006	9.70	30.91	16.18	40.61	25.88	61.76	51.76	-21.15	-25.88

- 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.





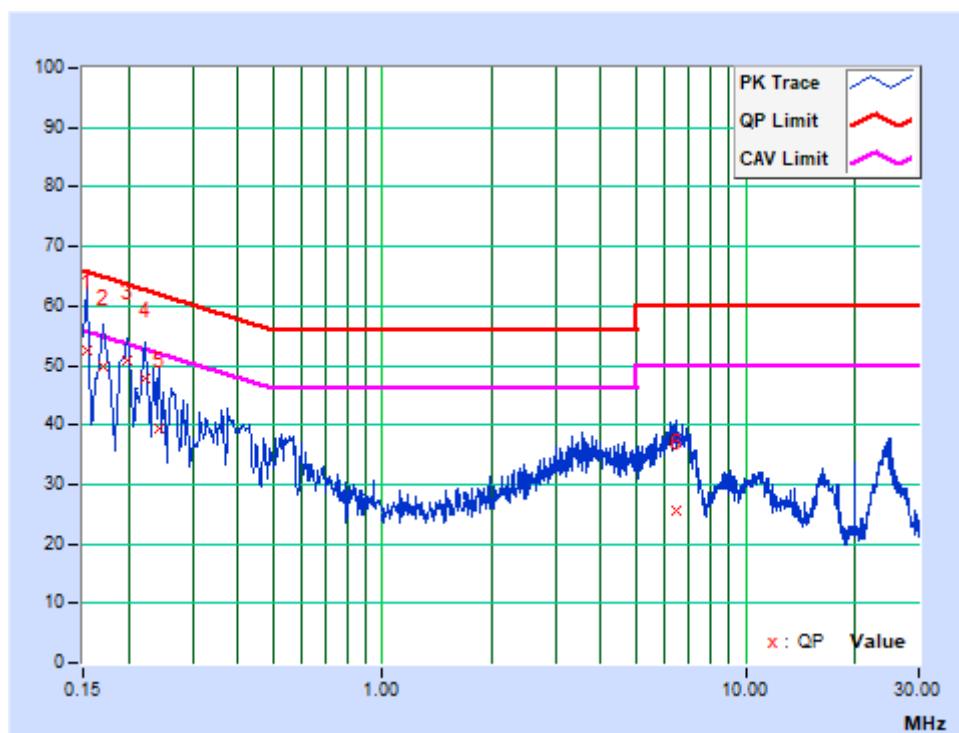
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Test Report No.: RF2309WDG0108-2

PHASE	Neutral	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	9.67	42.92	24.93	52.59	34.60	65.78	55.78	-13.19	-21.18
2	0.17000	9.69	40.28	20.33	49.97	30.02	64.96	54.96	-14.99	-24.94
3	0.19800	9.67	41.13	21.92	50.80	31.59	63.69	53.69	-12.89	-22.10
4	0.22200	9.67	38.04	21.80	47.71	31.47	62.74	52.74	-15.03	-21.27
5	0.24200	9.68	29.62	15.71	39.30	25.39	62.03	52.03	-22.73	-26.64
6	6.48200	10.47	15.13	4.69	25.60	15.16	60.00	50.00	-34.40	-34.84

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.





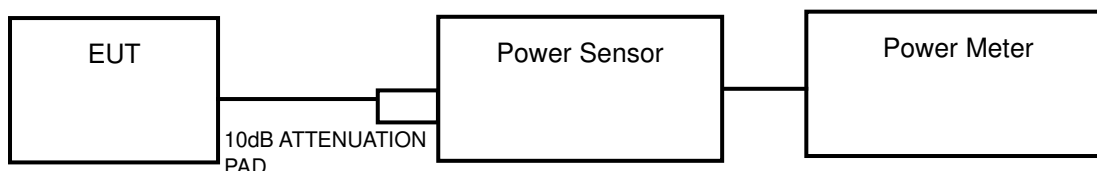
3.3 TRANSMIT POWER MEASUREMENT

3.3.1 LIMITS OF TRANSMIT POWER MEASUREMENT

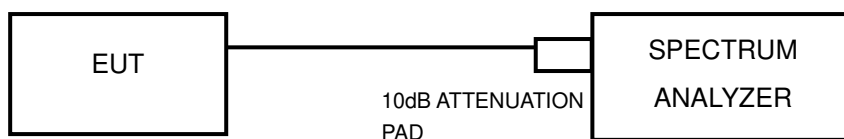
Operation Band	EUT Category		LIMIT
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p $\leq$ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
		Indoor Access Point	1 Watt (30 dBm)
	√	Mobile and Portable client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

NOTE: 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	MY57320002	Jan. 11, 24
Power Meter	Anritsu	ML2495A	1139001	Aug. 22, 24
Power Sensor	Anritsu	MA2411B	1531155	Aug. 22, 24
Digital Multimeter	FLUKE	15B	A1220010DG	N/A
Humid & Temp Programmable Tester	Haida	HD-225T	110807201	Nov. 02, 23
Oscilloscope	Agilent	DSO9254A	MY51260160	Jul. 27, 24
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101094	Jan. 11, 24
Signal Generator	Agilent	N5183A	MY50140980	Jul. 20, 24
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Jul. 20, 24
BLUETOOTH TESTER	Rohde&Schwarz	CBT32	100811	N/A
Attenuator	MINI	BW-S10W2+	S130129FGE2	N/A
DC Source	Keysight	E3642A	MY56146098	N/A
Test software	ADT	ADT_RF Test Software V6.6.5.3	N/A	N/A

NOTES:

1. The test was performed in RF Test Shielded Room.
2. 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)	LIMIT (dBm)	PASS /FAIL
36	5180	13.75	24.00	PASS
40	5200	13.88	24.00	PASS
48	5240	13.75	24.00	PASS
149	5745	10.61	30.00	PASS
157	5785	10.20	30.00	PASS
165	5825	10.61	30.00	PASS

802.11n (20MHz)

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	LIMIT (dBm)	PASS /FAIL
36	5180	13.73	24.00	PASS
40	5200	13.66	24.00	PASS
48	5240	13.92	24.00	PASS
149	5745	10.56	30.00	PASS
157	5785	10.58	30.00	PASS
165	5825	10.67	30.00	PASS

**802.11n (40MHz)**

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	LIMIT (dBm)	PASS /FAIL
38	5190	13.40	24.00	PASS
46	5230	13.65	24.00	PASS
151	5755	10.68	30.00	PASS
159	5795	10.31	30.00	PASS

802.11ac (20MHz)

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	LIMIT (dBm)	PASS /FAIL
36	5180	13.21	24.00	PASS
40	5200	13.31	24.00	PASS
48	5240	13.52	24.00	PASS
149	5745	10.68	30.00	PASS
157	5785	10.51	30.00	PASS
165	5825	10.62	30.00	PASS

802.11ac (40MHz)

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	LIMIT (dBm)	PASS /FAIL
38	5190	13.61	24.00	PASS
46	5230	13.83	24.00	PASS
151	5755	10.72	30.00	PASS
159	5795	10.28	30.00	PASS

**802.11ax (20MHz)**

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	LIMIT (dBm)	PASS /FAIL
36	5180	13.69	24.00	PASS
40	5200	13.82	24.00	PASS
48	5240	13.98	24.00	PASS
149	5745	10.72	30.00	PASS
157	5785	10.43	30.00	PASS
165	5825	10.54	30.00	PASS

802.11ax (40MHz)

Channel Number	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	LIMIT (dBm)	PASS /FAIL
38	5190	13.78	24.00	PASS
46	5230	13.89	24.00	PASS
151	5755	10.75	30.00	PASS
159	5795	10.33	30.00	PASS

**26dB BANDWIDTH for 5150-5250MHz:****802.11a**

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)	PASS /FAIL
36	5180	25.64	PASS
40	5200	25.95	PASS
48	5240	26.13	PASS

802.11ax (20MHz)

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)	PASS /FAIL
36	5180	25.29	PASS
40	5200	26.11	PASS
48	5240	25.73	PASS

802.11ax (40MHz)

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)	PASS /FAIL
38	5190	49.36	PASS
46	5230	49.30	PASS

**6dB BANDWIDTH for 5725-5850MHz****802.11a**

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)	PASS /FAIL
149	5745	16.40	PASS
157	5785	16.38	PASS
165	5825	16.40	PASS

802.11ax (20M)

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)	PASS /FAIL
149	5745	19.05	PASS
157	5785	19.02	PASS
165	5825	19.13	PASS

802.11ax (40M)

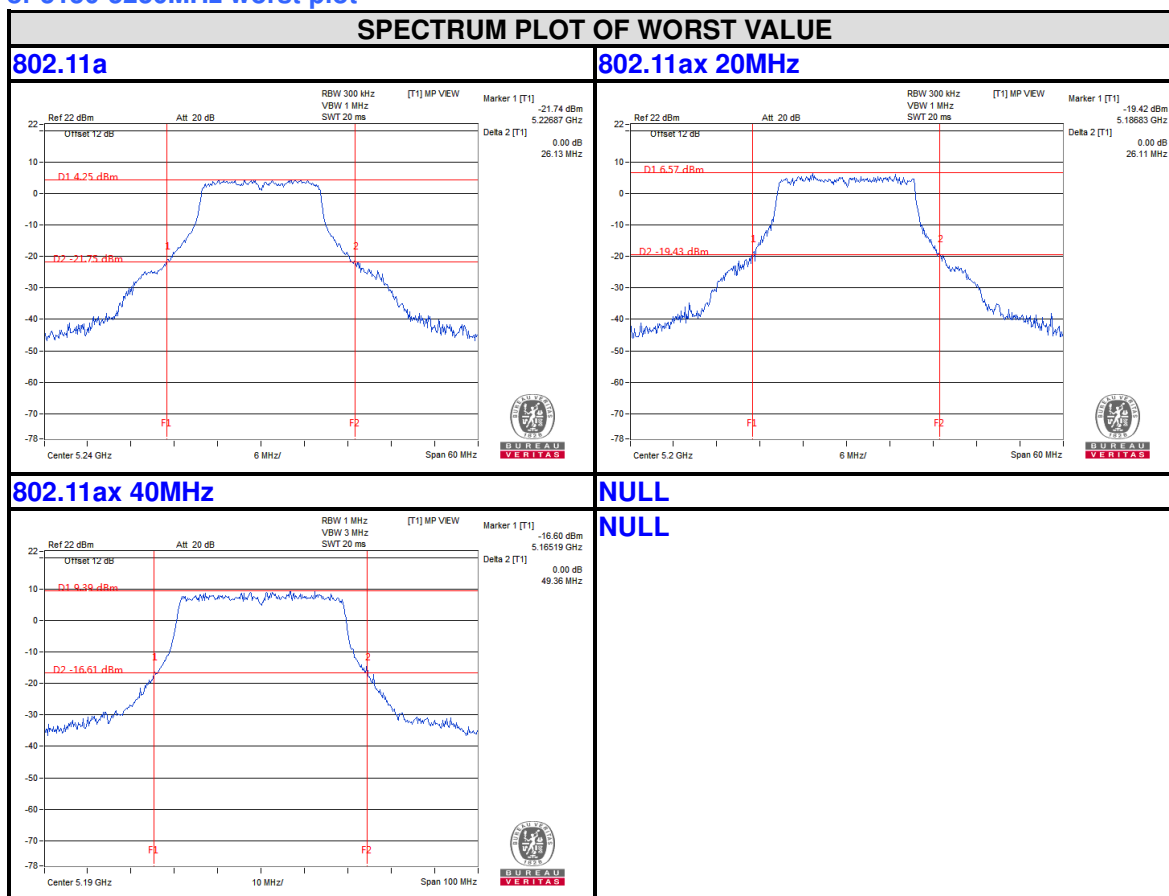
Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)	PASS /FAIL
151	5755	38.10	PASS
159	5795	38.15	PASS



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



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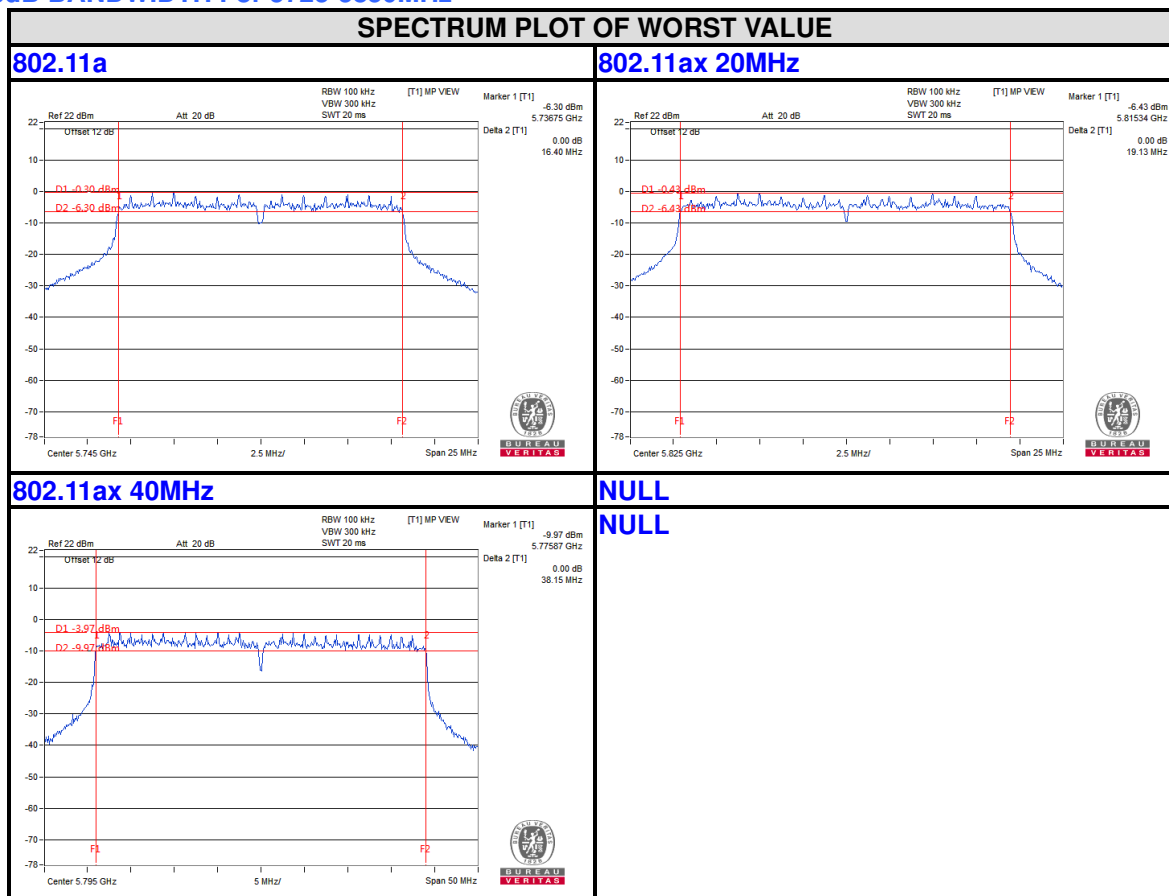
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6dB BANDWIDTH For 5725-5850MHz



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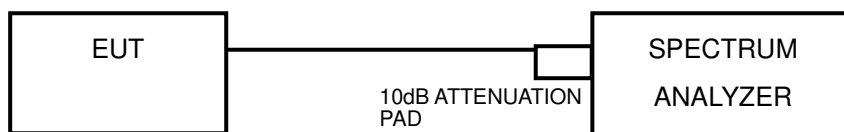


3.4 PEAK POWER SPECTRAL DENSITY MEASUREMENT

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

802.11a

Channel	Frequency (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	MAX. Limit (dBm)	PASS / FAIL
36	5180	0.68	0.23	0.91	11.00	PASS
40	5200	0.55	0.23	0.78	11.00	PASS
48	5240	0.33	0.23	0.56	11.00	PASS
Chan.	Frequency (MHz)	PSD (dBm/500kHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	Limit (dBm/500k Hz)	PASS / FAIL
149	5745	-3.46	0.23	-3.23	30.00	PASS
157	5785	-4.05	0.23	-3.82	30.00	PASS
165	5825	-3.75	0.23	-3.52	30.00	PASS

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

802.11ax (20MHz)

Channel	Frequency (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	MAX. Limit (dBm)	PASS / FAIL
36	5180	-0.28	0.44	0.16	11.00	PASS
40	5200	-0.18	0.44	0.26	11.00	PASS
48	5240	0.28	0.44	0.72	11.00	PASS
Chan.	Frequency (MHz)	PSD (dBm/500kHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	Limit (dBm/500k Hz)	PASS / FAIL
149	5745	-3.99	0.44	-3.55	30.00	PASS
157	5785	-4.37	0.44	-3.93	30.00	PASS
165	5825	-4.44	0.44	-4.00	30.00	PASS

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

**802.11ax (40MHz)**

Channel	Frequency (MHz)	PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	MAX. Limit (dBm)	PASS / FAIL
38	5190	-3.59	0.99	-2.6	11.00	PASS
46	5230	-3.36	0.99	-2.37	11.00	PASS
Chan.	Frequency (MHz)	PSD (dBm/500kHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/MHz)	Limit (dBm/500k Hz)	PASS / FAIL
151	5755	-7.31	0.99	-6.32	30.00	PASS
159	5795	-8.06	0.99	-7.07	30.00	PASS

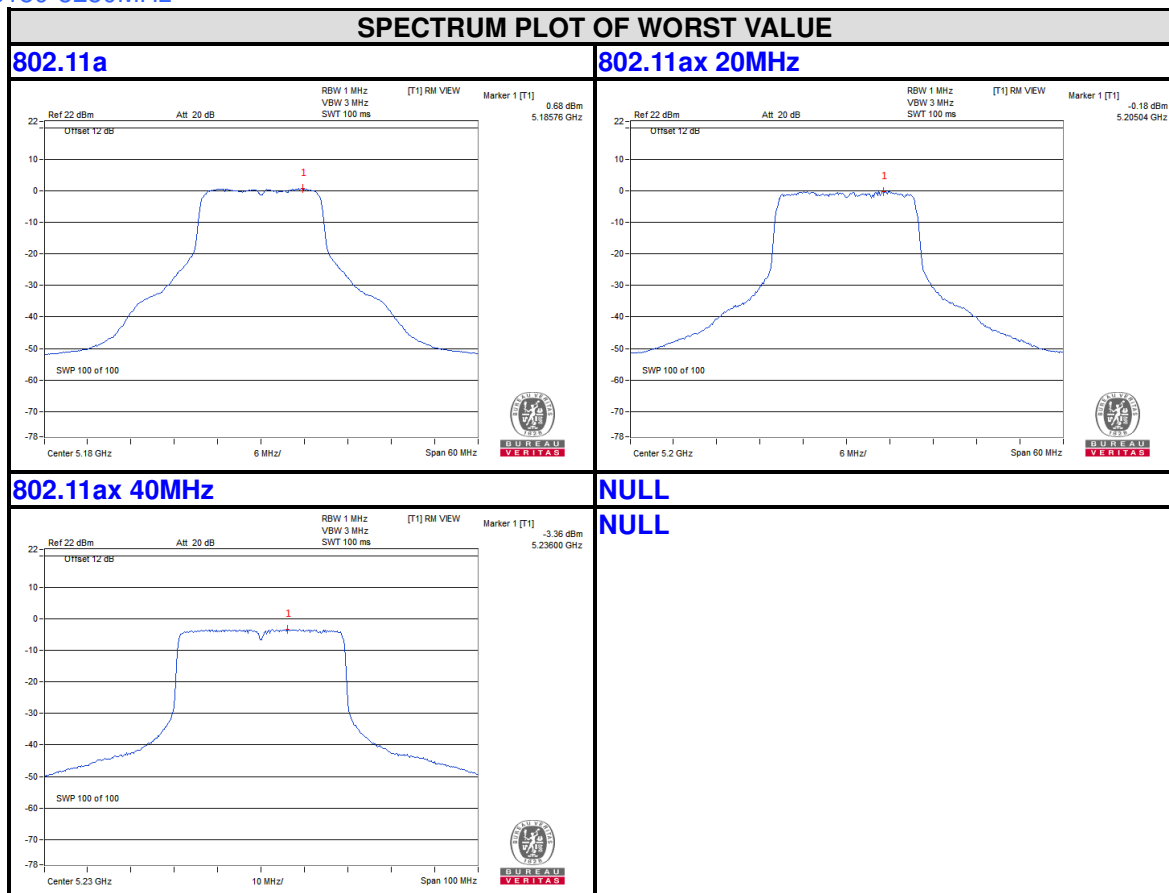
Note: Refer to section 2.3 for duty cycle spectrum plot.



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PSD Test Plot
BAND 1
5150-5250MHz



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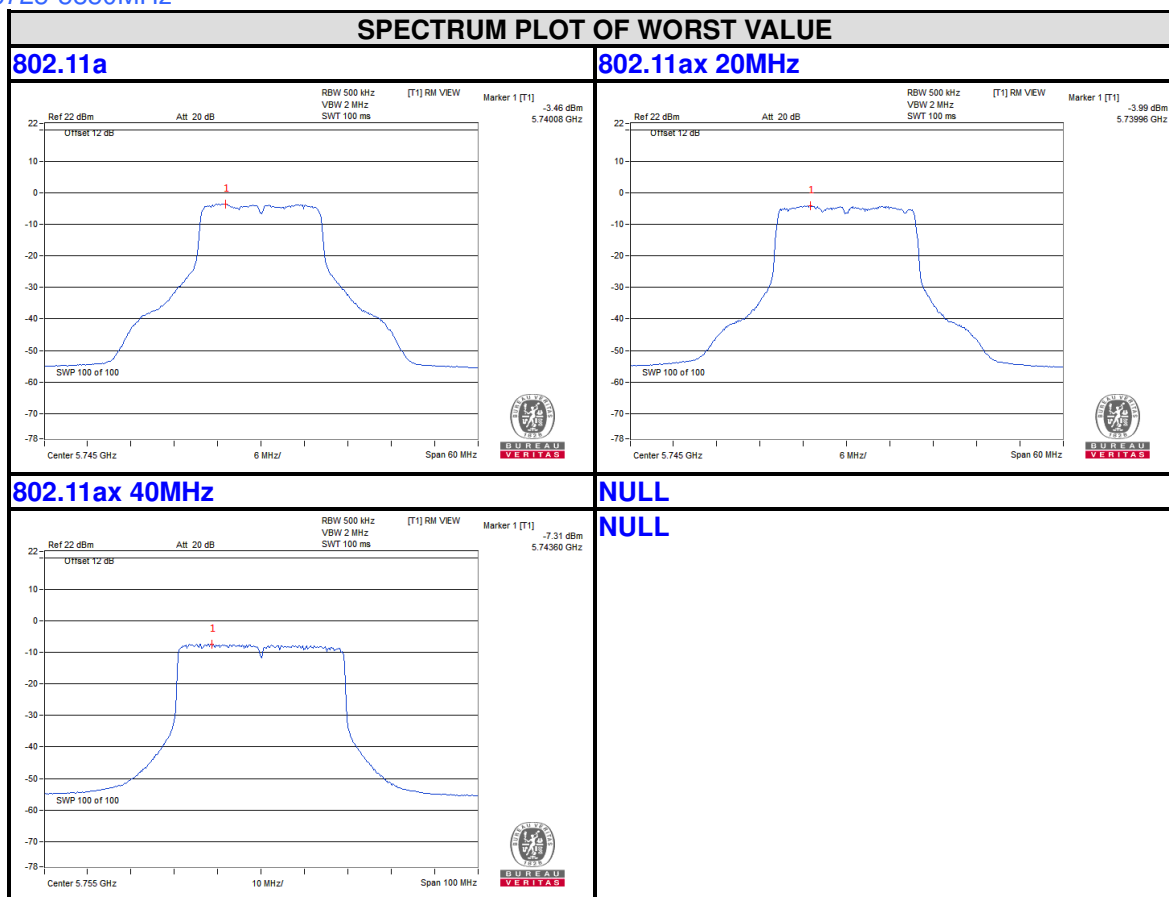
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BAND4
5725-5850MHz



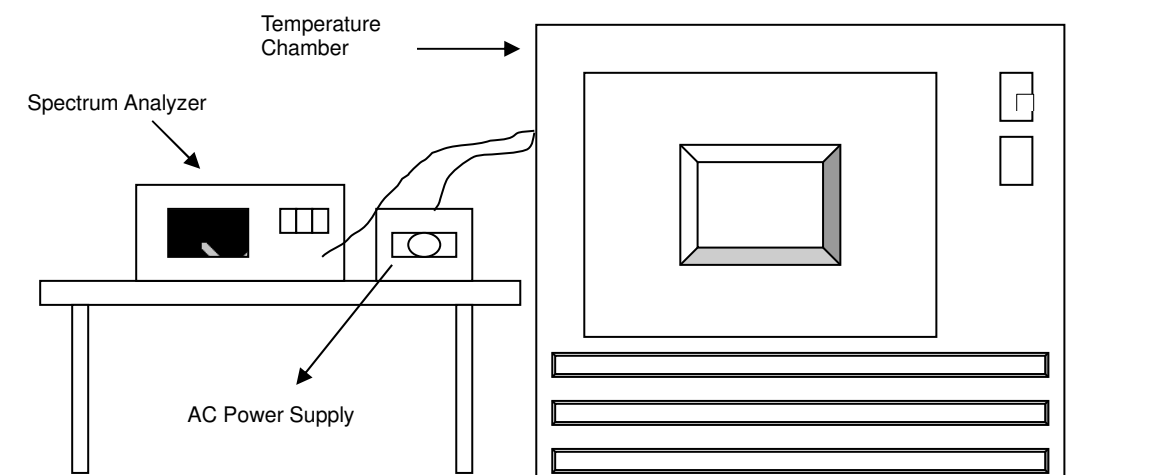


3.5 FREQUENCY STABILITY

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

FREQUENCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5180MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift
50	120	5180.0253	0.00049	5180.0239	0.00046	5180.0251	0.00048	5180.0237	0.00046
40	120	5180.0208	0.00040	5180.0231	0.00045	5180.0245	0.00047	5180.021	0.00041
30	120	5179.9742	-0.00050	5179.9771	-0.00044	5179.9754	-0.00047	5179.9762	-0.00046
20	120	5179.9913	-0.00017	5179.9878	-0.00024	5179.9892	-0.00021	5179.9884	-0.00022
10	120	5180.001	0.00002	5179.9984	-0.00003	5180.0007	0.00001	5179.9981	-0.00004
0	120	5179.9781	-0.00042	5179.976	-0.00046	5179.9771	-0.00044	5179.9787	-0.00041
-10	120	5179.9882	-0.00023	5179.9932	-0.00013	5179.9926	-0.00014	5179.9888	-0.00022
-20	120	5180.0235	0.00045	5180.0251	0.00048	5180.0252	0.00049	5180.0232	0.00045
-30	120	5180.0263	0.00051	5180.0216	0.00042	5180.0251	0.00048	5180.0245	0.00047

FREQUENCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5180MHz									
TEMP. (°C)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift	Measured Frequency (MHz)	Frequency Drift
20	138	5179.9907	-0.00018	5179.9874	-0.00024	5179.9895	-0.00020	5179.9883	-0.00023
	120	5179.9913	-0.00017	5179.9878	-0.00024	5179.9892	-0.00021	5179.9884	-0.00022
	102	5179.992	-0.00015	5179.9884	-0.00022	5179.989	-0.00021	5179.9892	-0.00021



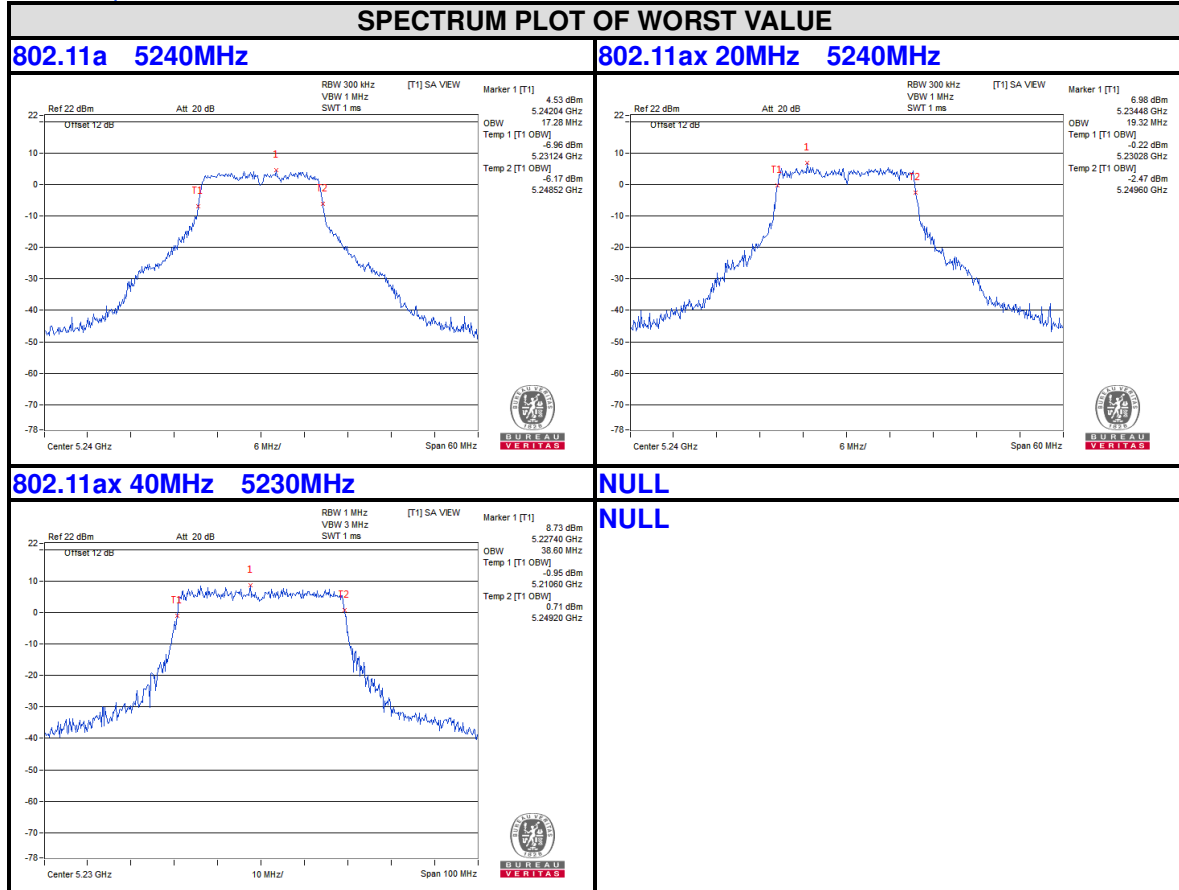
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Band 1

5150-5250MHz

99% Occupied Bandwidth Without over Band 2



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4. PHOTOGRAPHS OF THE TEST CONFIGURATION

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



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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---