



Test Report No.: RF2201WDG0200-4



TEST REPORT

Applicant	BenQ Corporation
Address	16 Jihu Road, Neihu, Taipei 114, Taiwan

Manufacturer or Supplier	BenQ Corporation
Address	16 Jihu Road, Neihu, Taipei 114, Taiwan
Product Name	Integrated Video Conference Terminal
Brand Name	BenQ
Model	VC01A
Additional Model & Model Difference	VC01A*(* means 0~9, A~Z); See items 2.1
Date of tests	Oct. 14, 2021 ~ Dec. 31, 2021

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

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Supervisor / EMC Department

Approved by Glyn He
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Date: Jan. 29, 2022

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2201WDG0200-4	Original release.	Jan. 29, 2022



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	3.05dB
Radiated emissions	9KHz ~ 30MHz	2.16dB
	30MHz ~ 1GMHz	3.63dB
	1GHz ~ 18GHz	4.96dB
	18GHz ~ 40GHz	4.37dB

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	Integrated Video Conference Terminal
BRAND	BenQ
MODEL NO.	VC01A
ADDITIONAL MODEL	VC01A>(* means 0~9, A~Z)
FCC ID	JVP-VC01A
POWER SUPPLY	DC 12V From Adapter Input AC 100-240V 50/60Hz
MODULATION TECHNOLOGY	OFDM, OFDMA
MODULATION TYPE	256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA
TRANSFER RATE	Refer to user's manual
OPERATING FREQUENCY	5180 ~ 5240MHz, 5260 ~ 5320MHz 5500 ~ 5700MHz, 5745 ~ 5825MHz
NUMBER OF CHANNEL	5180 ~ 5240MHz: 4 channels for 802.11a/n(HT20)/ac(VHT20)/ax(HE20) 2 channels for 802.11n(HT40)/ac(VHT40)/ax(HE40) 5260 ~ 5320MHz: 4 channels for 802.11a/n(HT20)/ac(VHT20)/ax(HE20) 2 channels for 802.11n(HT40)/ac(VHT40)/ax(HE40) 5500 ~ 5700MHz: (without open 5600~5650MHz) 11 channels for 802.11a/n(HT20)/ac(VHT20)/ax(HE20) 5 channels for 802.11n(HT40)/ac(VHT40)/ax(HE40) 5745 ~ 5825MHz: 5 channels for 802.11a/n(HT20)/ac(VHT20)/ax(HE20) 2 channels for 802.11n(HT40)/ac(VHT40)/ax(HE40)
CONDUCTED OUTPUT POWER	13.366mW for 5150 ~ 5250MHz (Maximum AVG Power) 12.023mW for 5250 ~ 5350MHz (Maximum AVG Power) 17.783mW for 5470 ~ 5725MHz (Maximum AVG Power) 13.996mW for 5725 ~ 5850MHz (Maximum AVG Power)
ANTENNA TYPE	5180 ~ 5240MHz: FPC antenna with 3.85dBi gain 5260 ~ 5320MHz: FPC antenna with 3.96dBi gain 5500 ~ 5700MHz: FPC antenna with 4.05dBi gain 5745 ~ 5825MHz: FPC antenna with 5.42dBi gain
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	Refer to user's manual

NOTES:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was



shown in test report.

- 3. Please refer to the EUT photo document (Reference No.: 2201WDG0200) for detailed product photo.
- 4. The EUT incorporates a SISO function. Physically, the EUT provides 1 completed transmitter and 1 receiver.

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

** The modulation and bandwidth are similar for 802.11n mode for HT20 / HT40 and 802.11ac mode for VHT20 / VHT40, therefore investigated worst case to representative mode in test report.*

- 5. Additional model VC01A*(* means 0~9, A~Z) is identical with the test model VC01A except the model no. for trading purpose
- 6. List of Accessories

Remote control 1	Brand:	BenQ
	Model:	NA
	Power Supply:	DC3V(AAA/1.5V*2) from battery
Remote control 2	Brand:	NA
	Model:	NA
	Power Supply:	DC3V(AAA/1.5V*2) from battery

Note: The EUT remote control is one of the above table.

- 7. The EUT was powered by the following adapter:

ADAPTER	
BRAND:	N/A
MODEL:	GQ36-120300-AX
INPUT:	AC 100-240V, 50/60HZ 1.0A MAX
OUTPUT:	DC 12V 3A 36W
DC LINE:	Unshielded, UnDetachable, 2.0m

- 8. EUT integrates two wireless modules, AIC8800 and RTL8822CU-CG respectively. For details about supported RF functions, see the following list:

Module	Supported RF functions	Remark
AIC8800	BT2.1+EDR	2.4GHz Wi-Fi & 5GHz Wi-Fi can't transmit at same time.
	BT-LE	
	2.4GHz Wi-Fi	
	5GHz Wi-Fi (U-NII-1/ U-NII-2A/ U-NII-2C)	
	5GHz Wi-Fi (U-NII-3)	
RTL8822CU-CG	5GHz Wi-Fi (U-NII-1)	
	5GHz Wi-Fi (U-NII-3)	



2.2 DESCRIPTION OF TEST MODES

FOR 5150 ~ 5250MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):

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

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	46	5230 MHz

FOR 5250 ~ 5350MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):

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

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
54	5270 MHz	62	5310 MHz

FOR 5470 ~ 5725MHz

11 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):

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), 802.11ac (VHT40), 802.11ax (HE40):

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), 802.11ac (VHT20), 802.11ax (HE20):

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

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

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	√	√	√	√	Powered by Adapter with Wi-Fi(5G) Function

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

NOTE:

- The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane**.
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(HT20)		36 to 48	36, 40, 48	OFDM	BPSK	MCS0
	802.11n(HT40)		38 to 46	38, 46	OFDM	BPSK	MCS0
	802.11ax(HE20)		36 to 48	36, 40, 48	OFDMA	BPSK	MCS0
	802.11ax(HE40)		38 to 46	38, 46	OFDMA	BPSK	MCS0
	802.11a	5250-5350	52 to 64	52, 60, 64	OFDM	BPSK	6.0
	802.11n(HT20)		52 to 64	52, 60, 64	OFDM	BPSK	MCS0
	802.11n(HT40)		54 to 62	54, 62	OFDM	BPSK	MCS0
	802.11ax(HE20)		52 to 64	52, 60, 64	OFDMA	BPSK	MCS0
	802.11ax(HE40)		54 to 62	54, 62	OFDMA	BPSK	MCS0
	802.11a	5470-5725	100 to 140	100, 116, 140	OFDM	BPSK	6.0
	802.11n(HT20)		100 to 140	100, 116, 140	OFDM	BPSK	MCS0
	802.11n(HT40)		102 to 134	102, 110, 134	OFDM	BPSK	MCS0
	802.11ax(HE20)		100 to 140	100, 116, 140	OFDMA	BPSK	MCS0
	802.11ax(HE40)		102 to 134	102, 110, 134	OFDMA	BPSK	MCS0
	802.11a	5725-5850	149 to 165	149, 157, 165	OFDM	BPSK	6.0
	802.11n(HT20)		149 to 165	149, 157, 165	OFDM	BPSK	MCS0
	802.11n(HT40)		151 to 159	151, 159	OFDM	BPSK	MCS0
	802.11ax(HE20)		149 to 165	149, 157, 165	OFDMA	BPSK	MCS0
	802.11ax(HE40)		151 to 159	151, 159	OFDMA	BPSK	MCS0



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

For the test results, only the worst case was shown in test report.

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(HT20)		36 to 48	36, 40, 48	OFDM	BPSK	MCS0
	802.11n(HT40)		38 to 46	38, 46	OFDM	BPSK	MCS0
	802.11ax(HE20)		36 to 48	36, 40, 48	OFDMA	BPSK	MCS0
	802.11ax(HE40)		38 to 46	38, 46	OFDMA	BPSK	MCS0
	802.11a	5250-5350	52 to 64	52, 60, 64	OFDM	BPSK	6.0
	802.11n(HT20)		52 to 64	52, 60, 64	OFDM	BPSK	MCS0
	802.11n(HT40)		54 to 62	54, 62	OFDM	BPSK	MCS0
	802.11ax(HE20)		52 to 64	52, 60, 64	OFDMA	BPSK	MCS0
	802.11ax(HE40)		54 to 62	54, 62	OFDMA	BPSK	MCS0
	802.11a	5470-5725	100 to 140	100, 116, 140	OFDM	BPSK	6.0
	802.11n(HT20)		100 to 140	100, 116, 140	OFDM	BPSK	MCS0
	802.11n(HT40)		102 to 134	102, 110, 134	OFDM	BPSK	MCS0
	802.11ax(HE20)		100 to 140	100, 116, 140	OFDMA	BPSK	MCS0
	802.11ax(HE40)		102 to 134	102, 110, 134	OFDMA	BPSK	MCS0
	802.11a	5725-5850	149 to 165	149, 157, 165	OFDM	BPSK	6.0
	802.11n(HT20)		149 to 165	149, 157, 165	OFDM	BPSK	MCS0
	802.11n(HT40)		151 to 159	151, 159	OFDM	BPSK	MCS0
	802.11ax(HE20)		149 to 165	149, 157, 165	OFDMA	BPSK	MCS0
	802.11ax(HE40)		151 to 159	151, 159	OFDMA	BPSK	MCS0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER(ADAPTER)	TESTED BY
RE<1G	24deg. C, 55%RH	AC 120V/60Hz	Jelly
RE≥1G	24deg. C, 55%RH	AC 120V/60Hz	Jelly
PLC	20deg. C, 56%RH	AC 120V/60Hz	Alex
APCM	20deg. C, 55%RH	AC 120V/60Hz	Vincent



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2.3 DUTY CYCLE OF TEST SIGNAL

MODE	ON Time (ms)	ON+OFF Time (ms)	Duty cycle	Duty factor
802.11a	5.355	5.398	0.992	0
802.11n (HT20)	4.694	4.737	0.991	0
802.11n (HT40)	2.277	2.314	0.984	0
802.11ax (HE20)	2.688	2.724	0.987	0
802.11ax (HE40)	1.372	1.408	0.974	0.112



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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	Dummy Load	N/A	N/A	N/A	N/A
2	USB Driver	Kingston	DataTraveler	3RJD8-68DC4U-3VF UW	N/A

NO.	DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	RJ45 Cable: Unshielded, detachable, 3m; HDMI Cable: Shielded, Detachable, 1.5m with two cores; AUX Cable: Unshielded, detachable, 0.8m;
2	N/A

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:

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



3.1.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Mar. 07,22
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV7	102331	May 09, 22
Active Loop Antenna (9KHz -30MHz)	SCHWARZBECK	FMZB 1519B	1519B-045	May 20,22
Amplifier (9KHz -1GHz)	Burgeon	BPA-530	100210	Mar. 13,22
Bilog Antenna (20MHz -2GHz)	Teseq	CBL 6111D	30643	May 21,22
Horn Antenna (1GHz -18GHz)	ETS -Lindgren	3117	00062558	May 21,22
Horn Antenna (18GHz -40GHz)	SCHWARZBECK	BBHA 9170	BBHA9170147	May 14,22
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	NSEMC003	May 22,22
Test Software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A
Broadband Preamplifier (1GHz~18GHz)	SCHWARZBECK	BBV9718	305	May 12,22
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Mar. 13,22
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 above 1GHz 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 $\geq 1/T$ (Duty cycle < 98%) or 10Hz(Duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

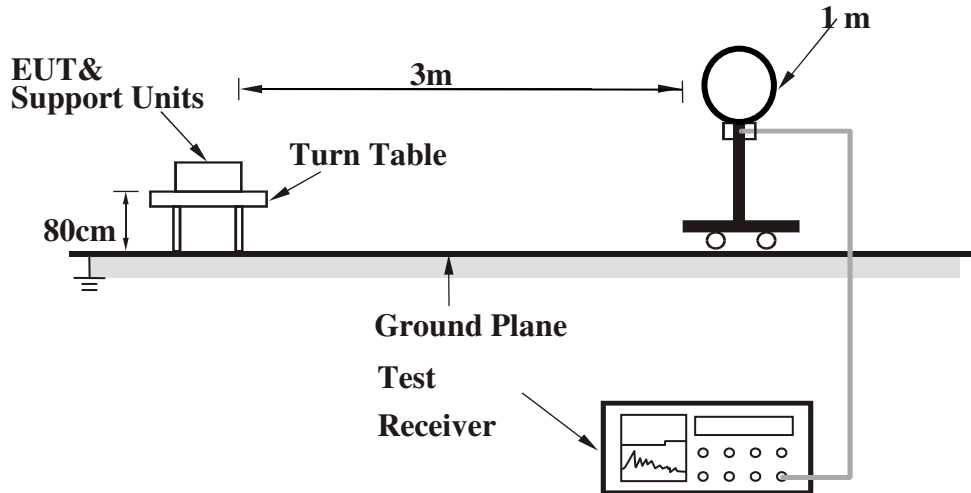
3.1.5 DEVIATION FROM TEST STANDARD

No deviation.

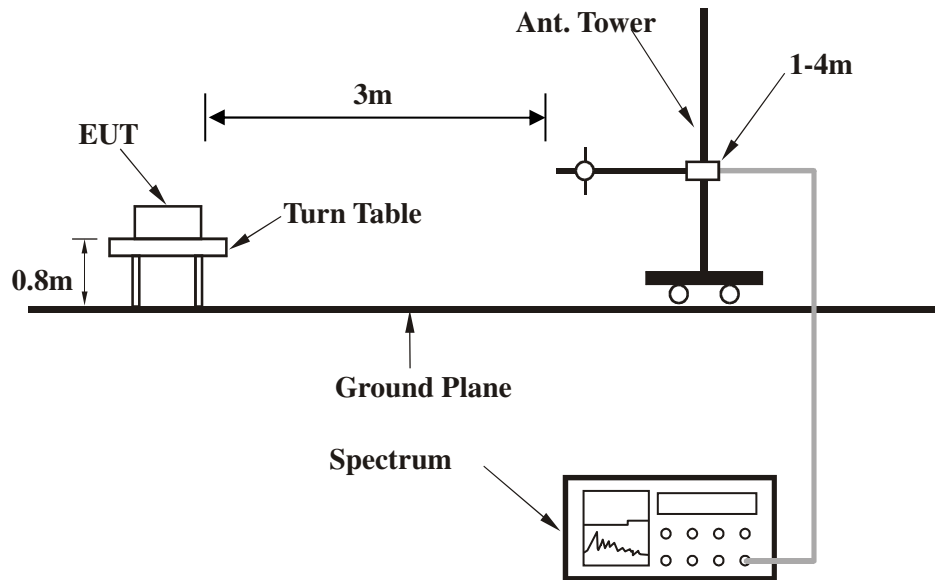


3.1.6 TEST SETUP

Below 30MHz test setup

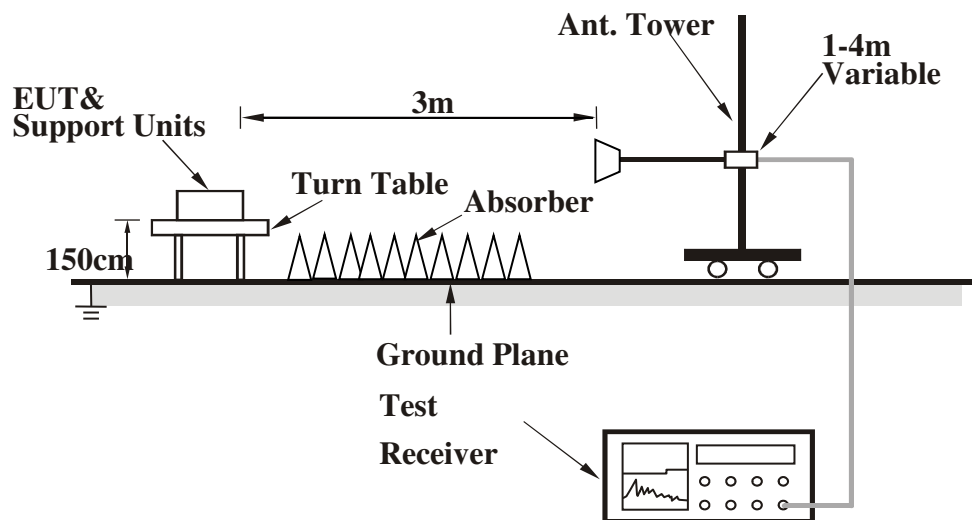


Below 1GHz test setup



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 TEST RESULTS

BELOW 1GHz WORST-CASE DATA

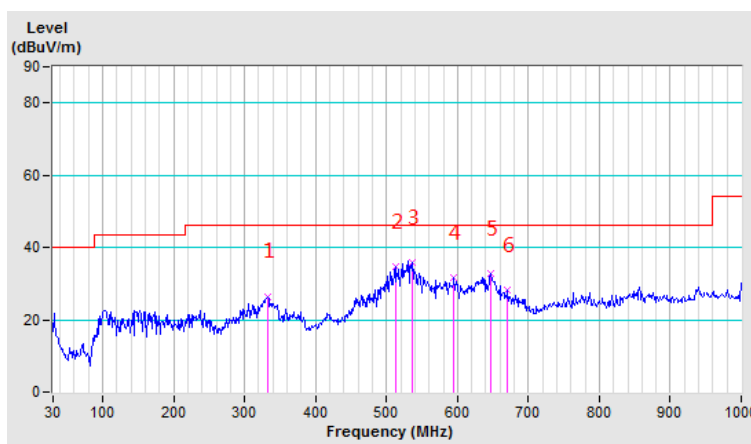
802.11a

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	332.25	26.50 QP	46.00	-19.50	3.08 H	221	41.85	-15.35
2	512.19	34.78 QP	46.00	-11.22	2.20 H	234	45.29	-10.51
3	536.09	35.98 QP	46.00	-10.02	2.64 H	197	45.97	-9.99
4	595.13	31.51 QP	46.00	-14.49	2.07 H	245	40.09	-8.58
5	647.14	32.79 QP	46.00	-13.21	2.63 H	208	40.26	-7.47
6	671.04	28.03 QP	46.00	-17.97	2.12 H	262	35.99	-7.96

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 greater than 20dB margin.
4. 9KHz~30MHz have been test and test data more than 20dB margin.
5. Margin value = Emission level – Limit value.





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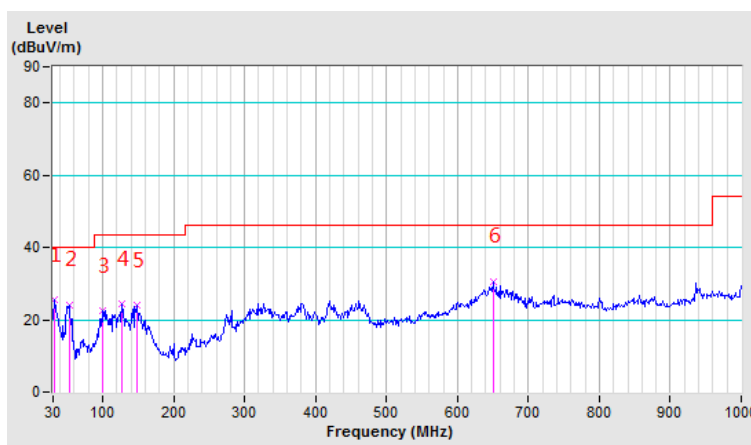
Test Report No.: RF2201WDG0200-4

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	31.41	25.38 QP	40.00	-14.62	1.78 V	82	38.71	-13.33
2	52.49	24.21 QP	40.00	-15.79	1.61 V	94	46.23	-22.02
3	98.88	22.47 QP	43.50	-21.03	2.18 V	71	43.30	-20.83
4	127.00	24.54 QP	43.50	-18.96	2.26 V	108	43.88	-19.34
5	148.09	23.94 QP	43.50	-19.56	1.69 V	118	41.99	-18.05
6	649.96	30.68 QP	46.00	-15.32	1.94 V	58	38.17	-7.49

REMARKS:

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





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Test Report No.: RF2201WDG0200-4

ABOVE 1GHz DATA

Band 1 (5150-5250MHz):

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	5145.00	56.36 PK	74.00	-17.64	3.00 H	125	50.57	5.79
2	5145.00	40.22 AV	54.00	-13.78	3.00 H	125	34.43	5.79
3	5150.00	60.56 PK	74.00	-13.44	2.12 H	125	54.76	5.80
4	5150.00	40.32 AV	54.00	-13.68	2.12 H	125	34.52	5.80
5	*5180.00	105.36 PK			2.49 H	125	99.50	5.86
6	*5180.00	95.12 AV			2.49 H	125	89.26	5.86
7	#10360.00	53.16 PK	68.20	-15.04	3.30 H	0	39.76	13.40
8	15540.00	56.44 PK	74.00	-17.56	2.01 H	0	37.57	18.87
9	15540.00	45.85 AV	54.00	-8.15	2.01 H	0	26.98	18.87

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	5145.00	48.57 PK	74.00	-25.43	1.57 V	125	42.78	5.79
2	5145.00	34.02 AV	54.00	-19.98	1.57 V	125	28.23	5.79
3	5150.00	53.00 PK	74.00	-21.00	2.25 V	125	47.20	5.80
4	5150.00	34.78 AV	54.00	-19.22	2.25 V	125	28.98	5.80
5	*5180.00	98.34 PK			2.04 V	125	92.48	5.86
6	*5180.00	87.98 AV			2.04 V	125	82.12	5.86
7	#10360.00	52.24 PK	68.20	-15.96	1.54 V	0	38.84	13.40
8	15540.00	56.36 PK	74.00	-17.64	1.65 V	0	37.49	18.87
9	15540.00	45.69 AV	54.00	-8.31	1.65 V	0	26.82	18.87

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.
6. " # ": The radiated frequency is out of the restricted band.

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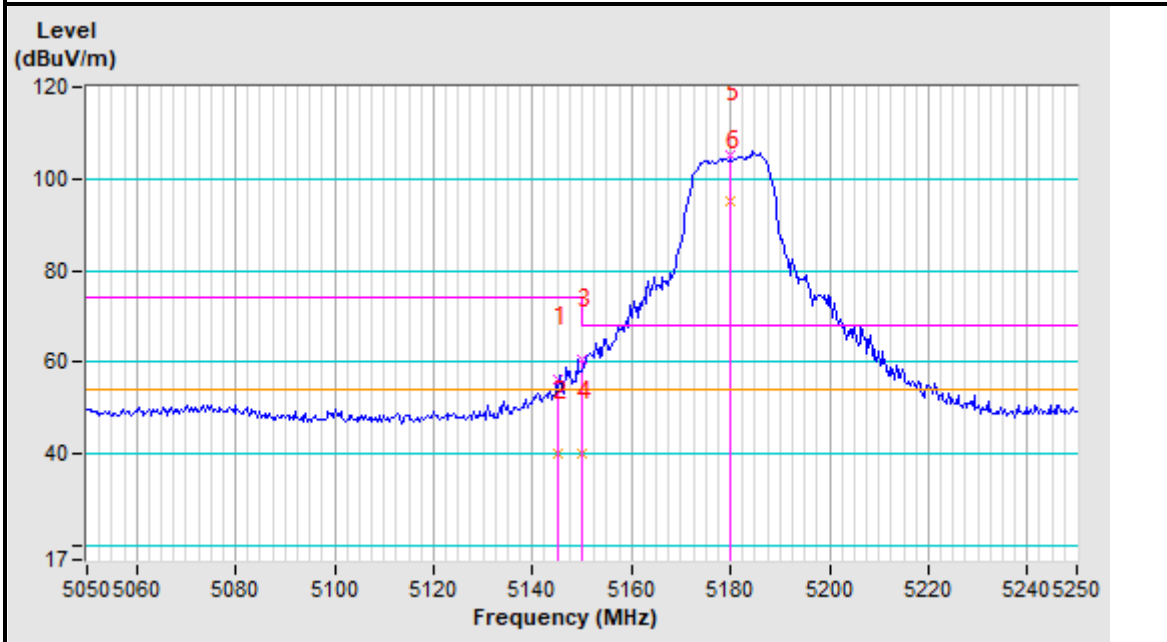


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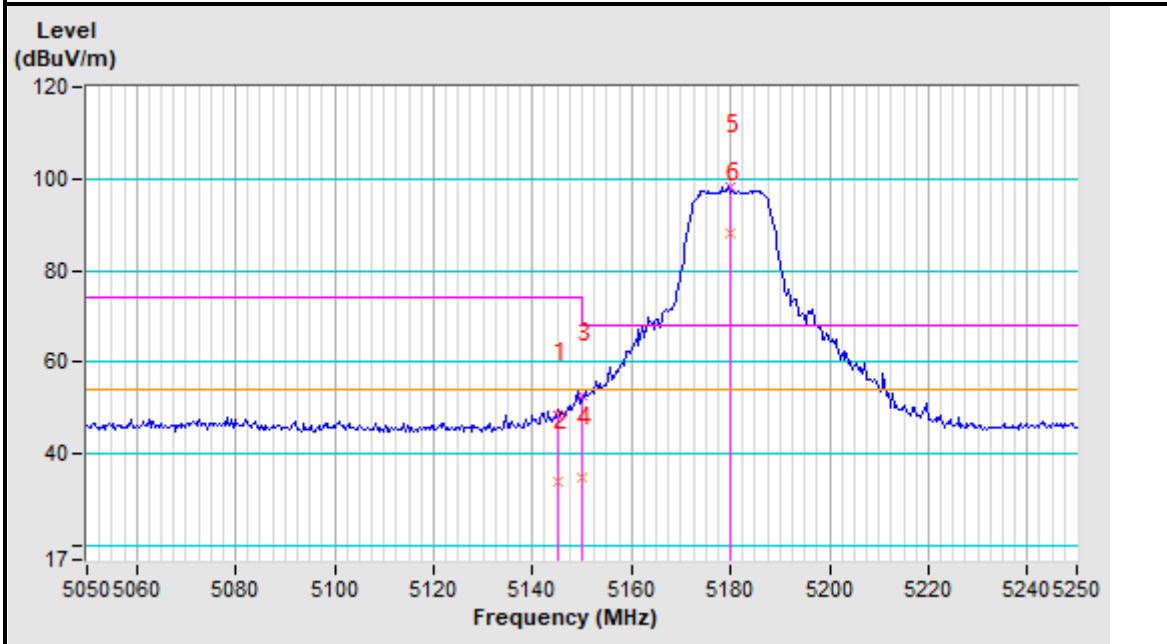
Test Report No.: RF2201WDG0200-4

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	52.67 PK	74.00	-21.33	3.08 H	123	46.88	5.79
2	5145.00	39.26 AV	54.00	-14.74	3.08 H	123	33.47	5.79
3	5150.00	54.86 PK	74.00	-19.14	3.30 H	123	49.06	5.80
4	5150.00	39.21 AV	54.00	-14.79	3.30 H	123	33.41	5.80
5	*5200.00	105.36 PK			2.35 H	123	99.47	5.89
6	*5200.00	95.36 AV			2.35 H	123	89.47	5.89
7	#10400.00	52.94 PK	68.20	-15.26	2.48 H	0	39.43	13.51
8	15600.00	55.47 PK	74.00	-18.53	1.55 H	0	36.51	18.96
9	15600.00	45.82 AV	54.00	-8.18	1.55 H	0	26.86	18.96

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	53.10 PK	74.00	-20.90	2.05 V	123	47.31	5.79
2	5145.00	38.00 AV	54.00	-16.00	2.05 V	123	32.21	5.79
3	5150.00	54.36 PK	74.00	-19.64	2.05 V	123	48.56	5.80
4	5150.00	38.26 AV	54.00	-15.74	2.05 V	123	32.46	5.80
5	*5200.00	98.54 PK			2.28 V	123	92.65	5.89
6	*5200.00	88.23 AV			2.28 V	123	82.34	5.89
7	#10400.00	53.14 PK	68.20	-15.06	1.82 V	0	39.63	13.51
8	15600.00	56.27 PK	74.00	-17.73	1.63 V	0	37.31	18.96
9	15600.00	45.29 AV	54.00	-8.71	1.63 V	0	26.33	18.96

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 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	5145.00	51.85 PK	74.00	-22.15	2.05 H	125	46.06	5.79
2	5145.00	41.36 AV	54.00	-12.64	2.05 H	125	35.57	5.79
3	5150.00	52.34 PK	74.00	-21.66	3.18 H	125	46.54	5.80
4	5150.00	42.32 AV	54.00	-11.68	3.18 H	125	36.52	5.80
5	*5240.00	105.92 PK			2.40 H	125	99.95	5.97
6	*5240.00	95.97 AV			2.40 H	125	90.00	5.97
7	5350.00	55.81 PK	74.00	-18.19	3.38 H	125	49.64	6.17
8	5350.00	45.67 AV	54.00	-8.33	3.38 H	125	39.50	6.17
9	5355.00	56.27 PK	74.00	-17.73	1.95 H	125	50.09	6.18
10	5355.00	46.00 AV	54.00	-8.00	1.95 H	125	39.82	6.18
11	#10480.00	56.85 PK	68.20	-11.35	2.55 H	0	43.10	13.75
12	15720.00	55.38 PK	74.00	-18.62	3.13 H	0	36.23	19.15
13	15720.00	45.36 AV	54.00	-8.64	3.13 H	0	26.21	19.15

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	5145.00	51.30 PK	74.00	-22.70	2.11 V	125	45.51	5.79
2	5145.00	41.55 AV	54.00	-12.45	2.11 V	125	35.76	5.79
3	5150.00	52.62 PK	74.00	-21.38	1.95 V	125	46.82	5.80
4	5150.00	42.56 AV	54.00	-11.44	1.95 V	125	36.76	5.80
5	*5240.00	98.77 PK			2.15 V	125	92.80	5.97
6	*5240.00	88.56 AV			2.15 V	125	82.59	5.97
7	5350.00	55.20 PK	74.00	-18.80	2.01 V	125	49.03	6.17
8	5350.00	45.73 AV	54.00	-8.27	2.01 V	125	39.56	6.17
9	5355.00	56.45 PK	74.00	-17.55	1.92 V	125	50.27	6.18
10	5355.00	46.10 AV	54.00	-7.90	1.92 V	125	39.92	6.18
11	#10480.00	56.33 PK	68.20	-11.87	2.22 V	0	42.58	13.75
12	15720.00	55.14 PK	74.00	-18.86	1.88 V	0	35.99	19.15
13	15720.00	45.23 AV	54.00	-8.77	1.88 V	0	26.08	19.15

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.



802.11n(HT20)

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	49.57 PK	74.00	-24.43	2.09 H	125	43.78	5.79
2	5145.00	36.02 AV	54.00	-17.98	2.09 H	125	30.23	5.79
3	5150.00	55.35 PK	74.00	-18.65	2.16 H	125	49.55	5.80
4	5150.00	35.26 AV	54.00	-18.74	2.16 H	125	29.46	5.80
5	*5180.00	105.06 PK			3.40 H	125	99.20	5.86
6	*5180.00	95.38 AV			3.40 H	125	89.52	5.86
7	#10360.00	53.12 PK	68.20	-15.08	3.43 H	0	39.72	13.40
8	15540.00	54.51 PK	74.00	-19.49	3.30 H	0	35.64	18.87
9	15540.00	45.63 AV	54.00	-8.37	3.30 H	0	26.76	18.87

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	5145.00	45.97 PK	74.00	-28.03	1.78 V	145	40.18	5.79
2	5145.00	35.26 AV	54.00	-18.74	1.78 V	145	29.47	5.79
3	5150.00	47.47 PK	74.00	-26.53	2.21 V	145	41.67	5.80
4	5150.00	36.21 AV	54.00	-17.79	2.21 V	145	30.41	5.80
5	*5180.00	97.73 PK			1.94 V	145	91.87	5.86
6	*5180.00	87.25 AV			1.94 V	145	81.39	5.86
7	#10360.00	52.77 PK	68.20	-15.43	1.66 V	0	39.37	13.40
8	15540.00	54.85 PK	74.00	-19.15	2.14 V	0	35.98	18.87
9	15540.00	45.71 AV	54.00	-8.29	2.14 V	0	26.84	18.87

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.
6. " # ": The radiated frequency is out of the restricted band.



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	51.75 PK	74.00	-22.25	2.59 H	179	45.96	5.79
2	5145.00	38.52 AV	54.00	-15.48	2.59 H	179	32.73	5.79
3	5150.00	52.20 PK	74.00	-21.80	1.94 H	179	46.40	5.80
4	5150.00	39.67 AV	54.00	-14.33	1.94 H	179	33.87	5.80
5	*5200.00	105.44 PK			2.72 H	179	99.55	5.89
6	*5200.00	96.07 AV			2.72 H	179	90.18	5.89
7	#10400.00	53.47 PK	68.20	-14.73	1.78 H	0	39.96	13.51
8	15600.00	55.25 PK	74.00	-18.75	2.14 H	0	36.29	18.96
9	15600.00	46.04 AV	54.00	-7.96	2.14 H	0	27.08	18.96

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	50.82 PK	74.00	-23.18	1.44 V	179	45.03	5.79
2	5145.00	37.54 AV	54.00	-16.46	1.44 V	179	31.75	5.79
3	5150.00	51.10 PK	74.00	-22.90	1.88 V	179	45.30	5.80
4	5150.00	38.92 AV	54.00	-15.08	1.88 V	179	33.12	5.80
5	*5200.00	97.92 PK			1.55 V	179	92.03	5.89
6	*5200.00	87.33 AV			1.55 V	179	81.44	5.89
7	#10400.00	52.17 PK	68.20	-16.03	1.42 V	0	38.66	13.51
8	15600.00	55.00 PK	74.00	-19.00	1.94 V	0	36.04	18.96
9	15600.00	45.34 AV	54.00	-8.66	1.94 V	0	26.38	18.96

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 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	5145.00	52.05 PK	74.00	-21.95	2.35 H	146	46.26	5.79
2	5145.00	41.22 AV	54.00	-12.78	2.35 H	146	35.43	5.79
3	5150.00	53.01 PK	74.00	-20.99	2.78 H	145	47.21	5.80
4	5150.00	41.21 AV	54.00	-12.79	2.78 H	145	35.41	5.80
5	*5240.00	105.74 PK			2.96 H	146	99.77	5.97
6	*5240.00	95.72 AV			2.96 H	146	89.75	5.97
7	5350.00	53.84 PK	74.00	-20.16	2.13 H	146	47.67	6.17
8	5350.00	42.39 AV	54.00	-11.61	2.13 H	146	36.22	6.17
9	5355.00	52.00 PK	74.00	-22.00	2.32 H	146	45.82	6.18
10	5355.00	41.09 AV	54.00	-12.91	2.32 H	146	34.91	6.18
11	#10480.00	53.91 PK	68.20	-14.29	1.64 H	0	40.16	13.75
12	15720.00	56.00 PK	74.00	-18.00	2.21 H	0	36.85	19.15
13	15720.00	45.74 AV	54.00	-8.26	2.21 H	0	26.59	19.15

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	5145.00	52.11 PK	74.00	-21.89	1.98 V	146	46.32	5.79
2	5145.00	41.58 AV	54.00	-12.42	1.98 V	146	35.79	5.79
3	5150.00	53.41 PK	74.00	-20.59	2.09 V	145	47.61	5.80
4	5150.00	42.03 AV	54.00	-11.97	2.09 V	145	36.23	5.80
5	*5240.00	97.86 PK			1.80 V	146	91.89	5.97
6	*5240.00	88.00 AV			1.80 V	146	82.03	5.97
7	5350.00	53.25 PK	74.00	-20.75	1.97 V	146	47.08	6.17
8	5350.00	42.56 AV	54.00	-11.44	1.97 V	146	36.39	6.17
9	5355.00	53.15 PK	74.00	-20.85	2.15 V	146	46.97	6.18
10	5355.00	42.12 AV	54.00	-11.88	2.15 V	146	35.94	6.18
11	#10480.00	85.00 PK			1.51 V	0	71.25	13.75
12	15720.00	55.43 PK	74.00	-18.57	2.27 V	0	36.28	19.15
13	15720.00	45.58 AV	54.00	-8.42	2.27 V	0	26.43	19.15

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.



802.11n(HT40)

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	5145.00	59.46 PK	74.00	-14.54	1.59 H	125	53.67	5.79
2	5145.00	37.00 AV	54.00	-17.00	1.59 H	125	31.21	5.79
3	5150.00	61.05 PK	74.00	-12.95	2.06 H	125	55.25	5.80
4	5150.00	37.90 AV	54.00	-16.10	2.06 H	125	32.10	5.80
5	*5190.00	102.75 PK			3.42 H	125	96.87	5.88
6	*5190.00	80.43 AV			3.42 H	125	74.55	5.88
7	#10380.00	53.12 PK	68.20	-15.08	2.30 H	0	39.66	13.46
8	15570.00	56.22 PK	74.00	-17.78	2.08 H	0	37.30	18.92
9	15570.00	46.00 AV	54.00	-8.00	2.08 H	0	27.08	18.92

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	51.37 PK	74.00	-22.63	2.25 V	125	45.58	5.79
2	5145.00	36.25 AV	54.00	-17.75	2.25 V	125	30.46	5.79
3	5150.00	52.98 PK	74.00	-21.02	1.98 V	125	47.18	5.80
4	5150.00	37.14 AV	54.00	-16.86	1.98 V	125	31.34	5.80
5	*5190.00	95.07 PK			2.19 V	125	89.19	5.88
6	*5190.00	87.00 AV			2.19 V	125	81.12	5.88
7	#10380.00	53.16 PK	68.20	-15.04	2.08 V	0	39.70	13.46
8	15570.00	55.82 PK	74.00	-18.18	2.13 V	0	36.90	18.92
9	15570.00	46.27 AV	54.00	-7.73	2.13 V	0	27.35	18.92

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

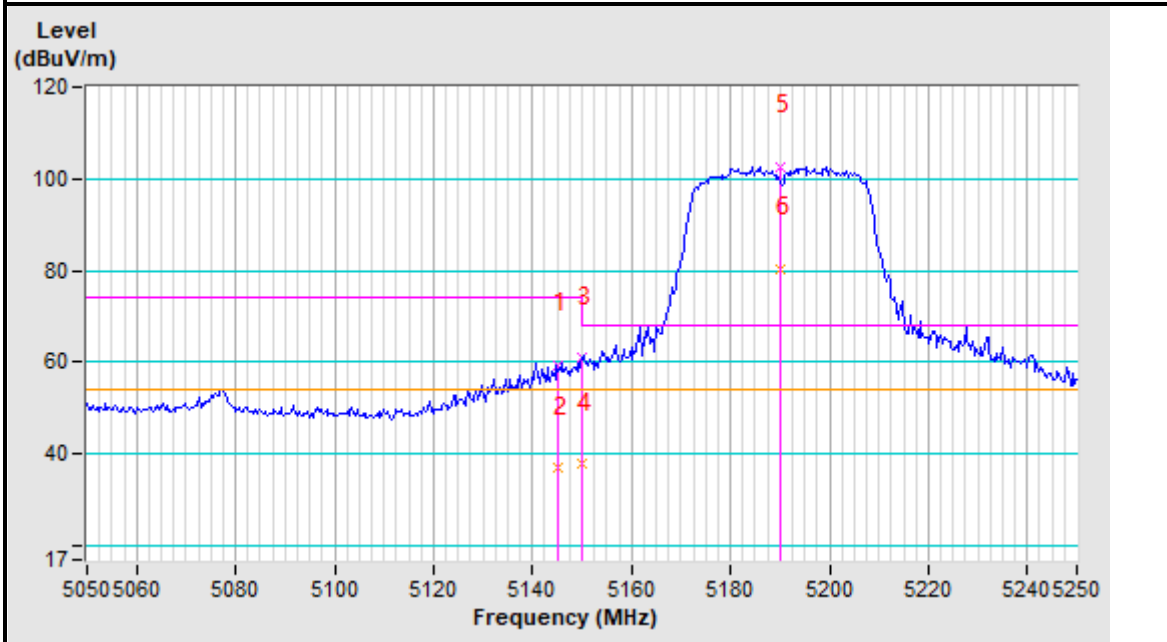


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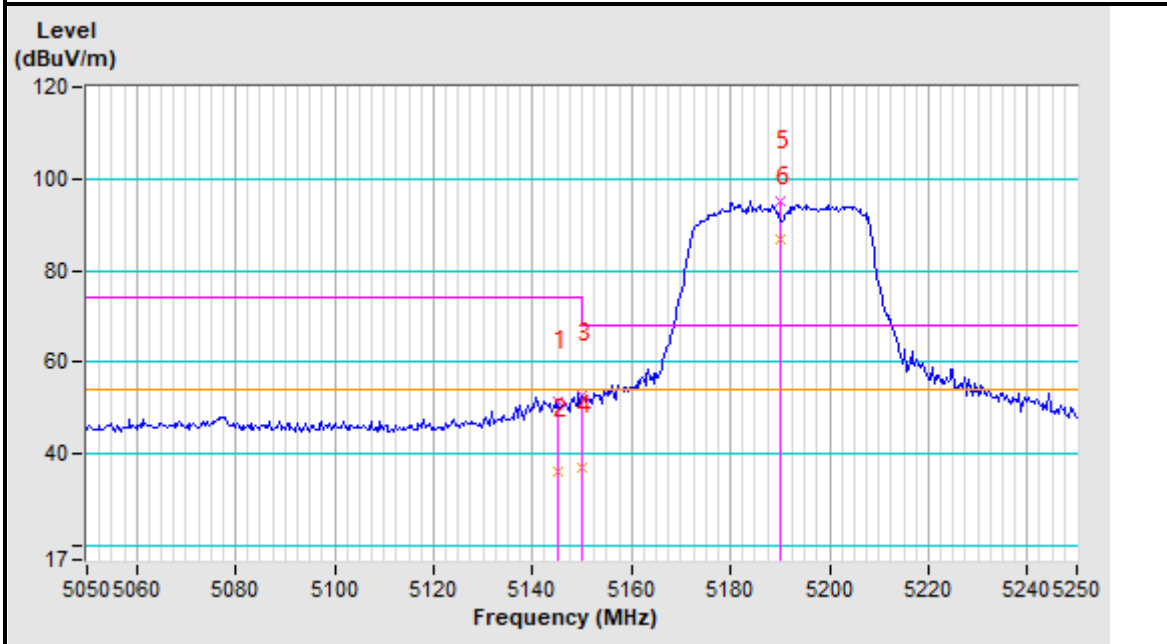
Test Report No.: RF2201WDG0200-4

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	5145.00	56.83 PK	74.00	-17.17	3.23 H	0	51.04	5.79
2	5145.00	45.62 AV	54.00	-8.38	3.23 H	0	39.83	5.79
3	5150.00	53.12 PK	74.00	-20.88	3.42 H	0	47.32	5.80
4	5150.00	43.25 AV	54.00	-10.75	3.42 H	0	37.45	5.80
5	*5230.00	102.72 PK			3.07 H	125	96.77	5.95
6	*5230.00	83.14 AV			3.07 H	125	77.19	5.95
7	#10460.00	53.47 PK	68.20	-14.73	2.81 H	0	39.79	13.68
8	15690.00	55.81 PK	74.00	-18.19	1.84 H	0	36.71	19.10
9	15690.00	45.20 AV	54.00	-8.80	1.84 H	0	26.10	19.10

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	55.31 PK	74.00	-18.69	1.74 V	0	49.52	5.79
2	5145.00	45.71 AV	54.00	-8.29	1.74 V	0	39.92	5.79
3	5150.00	53.08 PK	74.00	-20.92	2.18 V	0	47.28	5.80
4	5150.00	42.36 AV	54.00	-11.64	2.18 V	0	36.56	5.80
5	*5230.00	95.26 PK			2.11 V	125	89.31	5.95
6	*5230.00	76.33 AV			2.11 V	125	70.38	5.95
7	#10460.00	52.76 PK	68.20	-15.44	1.81 V	0	39.08	13.68
8	15690.00	55.45 PK	74.00	-18.55	2.09 V	0	36.35	19.10
9	15690.00	45.32 AV	54.00	-8.68	2.09 V	0	26.22	19.10

REMARKS:

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



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Test Report No.: RF2201WDG0200-4

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	50.65 PK	74.00	-23.35	3.36 H	125	44.86	5.79
2	5145.00	36.20 AV	54.00	-17.80	3.36 H	125	30.41	5.79
3	5150.00	54.69 PK	74.00	-19.31	2.50 H	125	48.89	5.80
4	5150.00	36.79 AV	54.00	-17.21	2.50 H	125	30.99	5.80
5	*5180.00	105.33 PK			2.82 H	125	99.47	5.86
6	*5180.00	84.47 AV			2.82 H	125	78.61	5.86
7	#10360.00	53.11 PK	68.20	-15.09	1.87 H	0	39.71	13.40
8	15540.00	54.83 PK	74.00	-19.17	2.60 H	0	35.96	18.87
9	15540.00	45.20 AV	54.00	-8.80	2.60 H	0	26.33	18.87

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	5145.00	47.11 PK	74.00	-26.89	1.50 V	125	41.32	5.79
2	5145.00	36.27 AV	54.00	-17.73	1.50 V	125	30.48	5.79
3	5150.00	48.03 PK	74.00	-25.97	2.25 V	125	42.23	5.80
4	5150.00	36.97 AV	54.00	-17.03	2.25 V	125	31.17	5.80
5	*5180.00	98.34 PK			1.94 V	125	92.48	5.86
6	*5180.00	78.03 AV			1.94 V	125	72.17	5.86
7	#10360.00	53.64 PK	68.20	-14.56	2.13 V	0	40.24	13.40
8	15540.00	56.72 PK	74.00	-17.28	2.08 V	0	37.85	18.87
9	15540.00	45.98 AV	54.00	-8.02	2.08 V	0	27.11	18.87

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.
6. " # ": The radiated frequency is out of the restricted band.

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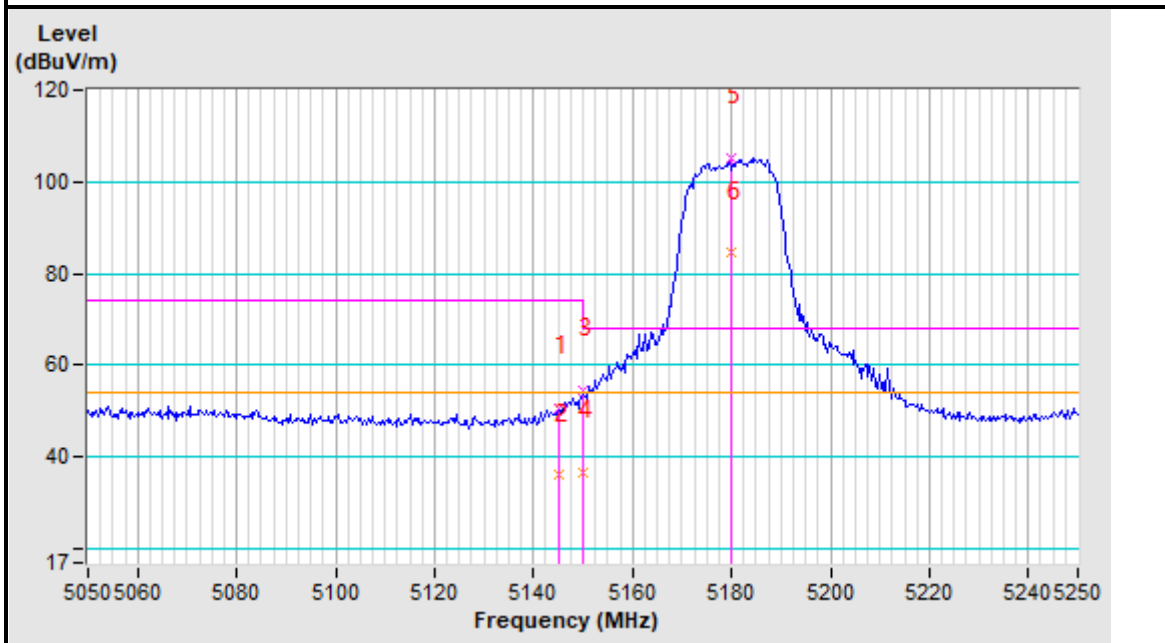


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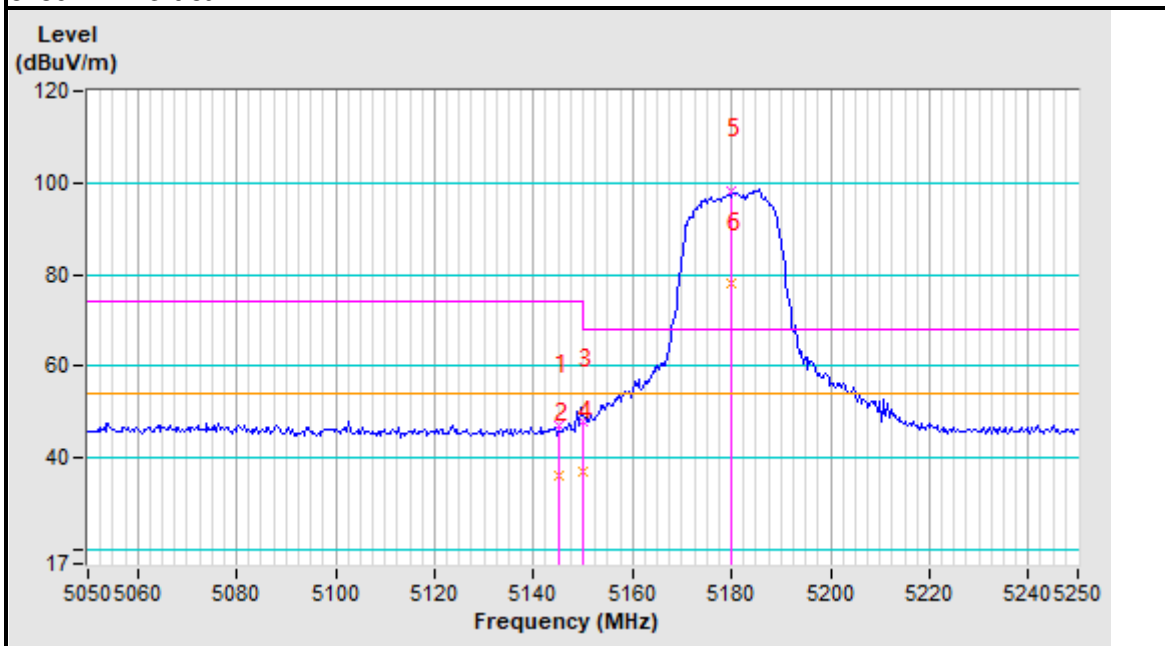
Test Report No.: RF2201WDG0200-4

Band edge Plot

5180MHz Horizontal



5180MHz Vertical





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Test Report No.: RF2201WDG0200-4

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	56.13 PK	74.00	-17.87	3.14 H	125	50.34	5.79
2	5145.00	46.02 AV	54.00	-7.98	3.14 H	125	40.23	5.79
3	5150.00	54.66 PK	74.00	-19.34	1.53 H	125	48.86	5.80
4	5150.00	42.08 AV	54.00	-11.92	1.53 H	125	36.28	5.80
5	*5200.00	105.32 PK			2.97 H	125	99.43	5.89
6	*5200.00	85.77 AV			2.97 H	125	79.88	5.89
7	#10400.00	53.87 PK	68.20	-14.33	1.72 H	0	40.36	13.51
8	15600.00	56.21 PK	74.00	-17.79	2.21 H	0	37.25	18.96
9	15600.00	46.20 AV	54.00	-7.80	2.21 H	0	27.24	18.96

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	55.83 PK	74.00	-18.17	1.84 V	125	50.04	5.79
2	5145.00	45.68 AV	54.00	-8.32	1.84 V	125	39.89	5.79
3	5150.00	55.36 PK	74.00	-18.64	2.04 V	125	49.56	5.80
4	5150.00	43.14 AV	54.00	-10.86	2.04 V	125	37.34	5.80
5	*5200.00	98.33 PK			2.26 V	125	92.44	5.89
6	*5200.00	79.38 AV			2.26 V	125	73.49	5.89
7	#10400.00	53.00 PK	68.20	-15.20	2.13 V	0	39.49	13.51
8	15600.00	55.23 PK	74.00	-18.77	1.90 V	0	36.27	18.96
9	15600.00	45.74 AV	54.00	-8.26	1.90 V	0	26.78	18.96

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 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	5145.00	51.35 PK	74.00	-22.65	3.23 H	125	45.56	5.79
2	5145.00	38.13 AV	54.00	-15.87	3.23 H	125	32.34	5.79
3	5150.00	52.34 PK	74.00	-21.66	2.52 H	125	46.54	5.80
4	5150.00	40.12 AV	54.00	-13.88	2.52 H	125	34.32	5.80
5	*5240.00	105.35 PK			1.61 H	125	99.38	5.97
6	*5240.00	85.69 AV			1.61 H	125	79.72	5.97
7	5350.00	55.32 PK	74.00	-18.68	2.11 H	125	49.15	6.17
8	5350.00	40.23 AV	54.00	-13.77	2.11 H	125	34.06	6.17
9	5355.00	54.62 PK	74.00	-19.38	2.32 H	125	48.44	6.18
10	5355.00	40.56 AV	54.00	-13.44	2.32 H	125	34.38	6.18
11	#10480.00	52.85 PK	68.20	-15.35	2.43 H	0	39.10	13.75
12	15720.00	54.75 PK	74.00	-19.25	2.03 H	0	35.60	19.15
13	15720.00	44.73 AV	54.00	-9.27	2.03 H	0	25.58	19.15

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	5145.00	50.88 PK	74.00	-23.12	1.78 V	125	45.09	5.79
2	5145.00	37.22 AV	54.00	-16.78	1.78 V	125	31.43	5.79
3	5150.00	51.64 PK	74.00	-22.36	1.94 V	125	45.84	5.80
4	5150.00	39.15 AV	54.00	-14.85	1.94 V	125	33.35	5.80
5	*5240.00	98.74 PK			1.82 V	125	92.77	5.97
6	*5240.00	79.10 AV			1.82 V	125	73.13	5.97
7	5350.00	55.32 PK	74.00	-18.68	1.88 V	125	49.15	6.17
8	5350.00	39.10 AV	54.00	-14.90	1.88 V	125	32.93	6.17
9	5355.00	54.51 PK	74.00	-19.49	1.81 V	125	48.33	6.18
10	5355.00	40.21 AV	54.00	-13.79	1.81 V	125	34.03	6.18
11	#10480.00	52.91 PK	68.20	-15.29	2.04 V	0	39.16	13.75
12	15720.00	54.92 PK	74.00	-19.08	2.19 V	0	35.77	19.15
13	15720.00	45.11 AV	54.00	-8.89	2.19 V	0	25.96	19.15

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.



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	5145.00	60.00 PK	74.00	-14.00	2.18 H	125	54.21	5.79
2	5145.00	38.97 AV	54.00	-15.03	2.18 H	125	33.18	5.79
3	5150.00	61.00 PK	74.00	-13.00	2.43 H	147	55.20	5.80
4	5150.00	40.15 AV	54.00	-13.85	2.43 H	147	34.35	5.80
5	*5190.00	102.68 PK			2.53 H	147	96.80	5.88
6	*5190.00	82.72 AV			2.53 H	147	76.84	5.88
7	#10380.00	54.12 PK	68.20	-14.08	1.91 H	0	40.66	13.46
8	15540.00	56.30 PK	74.00	-17.70	3.02 H	0	37.43	18.87
9	15540.00	45.84 AV	54.00	-8.16	3.02 H	0	26.97	18.87

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	5145.00	53.53 PK	74.00	-20.47	1.98 V	125	47.74	5.79
2	5145.00	38.62 AV	54.00	-15.38	1.98 V	125	32.83	5.79
3	5150.00	57.08 PK	74.00	-16.92	1.99 V	125	51.28	5.80
4	5150.00	39.67 AV	54.00	-14.33	1.99 V	125	33.87	5.80
5	*5190.00	95.91 PK			1.87 V	125	90.03	5.88
6	*5190.00	76.39 AV			1.87 V	125	70.51	5.88
7	#10380.00	54.36 PK	68.20	-13.84	1.56 V	0	40.90	13.46
8	15540.00	54.36 PK	74.00	-19.64	2.06 V	0	35.49	18.87
9	15540.00	45.21 AV	54.00	-8.79	2.06 V	0	26.34	18.87

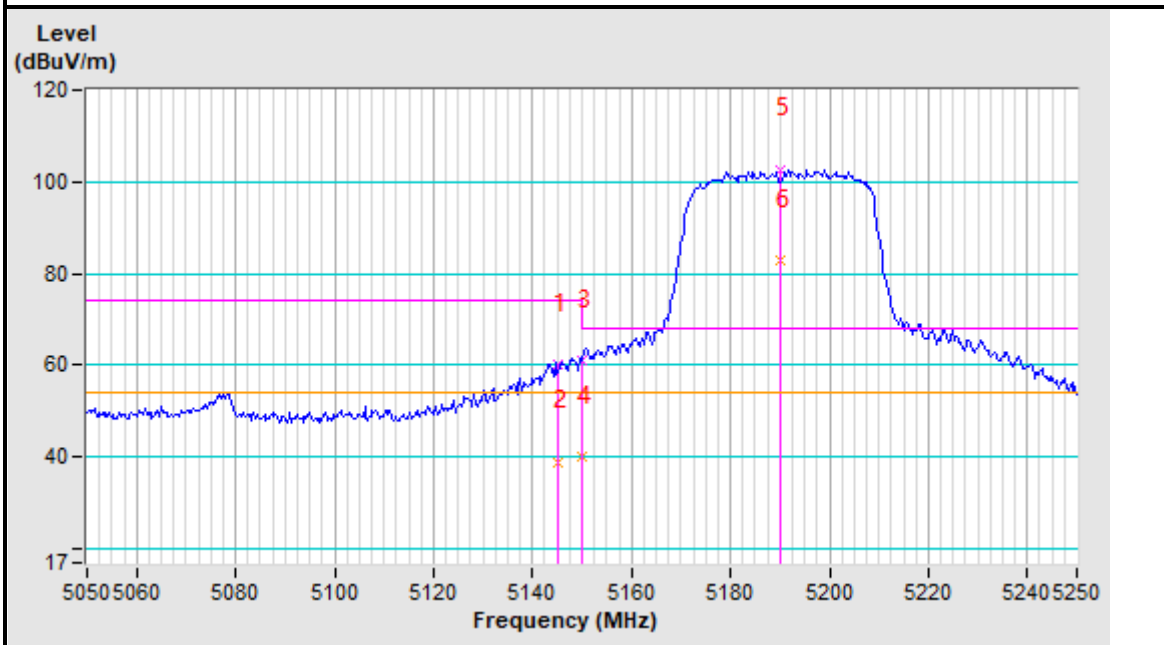
REMARKS:

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.
6. " # " : The radiated frequency is out of the restricted band.

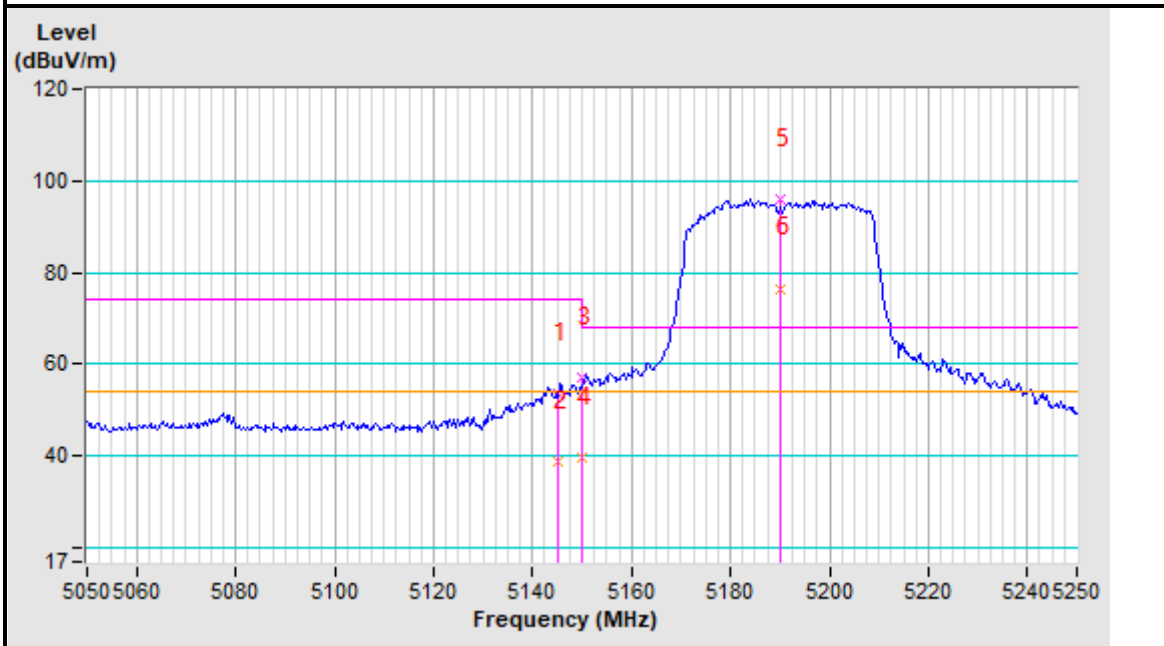


Band edge Plot

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	5145.00	52.45 PK	74.00	-21.55	2.41 H	125	46.66	5.79
2	5145.00	42.37 AV	54.00	-11.63	2.41 H	125	36.58	5.79
3	5150.00	52.48 PK	74.00	-21.52	2.31 H	125	46.68	5.80
4	5150.00	40.56 AV	54.00	-13.44	2.31 H	125	34.76	5.80
5	*5230.00	102.44 PK			2.26 H	125	96.49	5.95
6	*5230.00	85.79 AV			2.26 H	125	79.84	5.95
7	#10460.00	52.67 PK	68.20	-15.53	2.90 H	0	38.99	13.68
8	15690.00	55.25 PK	74.00	-18.75	2.45 H	0	36.15	19.10
9	15690.00	45.72 AV	54.00	-8.28	2.45 H	0	26.62	19.10

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	52.00 PK	74.00	-22.00	1.91 V	125	46.21	5.79
2	5145.00	41.02 AV	54.00	-12.98	1.91 V	125	35.23	5.79
3	5150.00	52.55 PK	74.00	-21.45	1.88 V	125	46.75	5.80
4	5150.00	39.74 AV	54.00	-14.26	1.88 V	125	33.94	5.80
5	*5230.00	95.36 PK			1.42 V	125	89.41	5.95
6	*5230.00	75.25 AV			1.42 V	125	69.30	5.95
7	#10460.00	52.37 PK	68.20	-15.83	1.77 V	0	38.69	13.68
8	15690.00	55.48 PK	74.00	-18.52	2.02 V	0	36.38	19.10
9	15690.00	45.69 AV	54.00	-8.31	2.02 V	0	26.59	19.10

REMARKS:

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



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Test Report No.: RF2201WDG0200-4

Band 2 (5250-5350MHz):

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5145.00	50.89 PK	74.00	-23.11	2.39 H	156	45.10	5.79
2	5145.00	37.88 AV	54.00	-16.12	2.39 H	156	32.09	5.79
3	5150.00	52.15 PK	74.00	-21.85	2.87 H	156	46.35	5.80
4	5150.00	38.45 AV	54.00	-15.55	2.87 H	156	32.65	5.80
5	*5260.00	108.02 PK			2.86 H	156	102.02	6.00
6	*5260.00	98.35 AV			2.86 H	156	92.35	6.00
7	5350.00	54.22 PK	74.00	-19.78	3.28 H	156	48.05	6.17
8	5350.00	39.57 AV	54.00	-14.43	3.28 H	156	33.40	6.17
9	5355.00	53.21 PK	74.00	-20.79	1.88 H	156	47.03	6.18
10	5355.00	37.00 AV	54.00	-17.00	1.88 H	156	30.82	6.18
11	#10520.00	54.36 PK	68.20	-13.84	2.23 H	0	40.54	13.82
12	15780.00	56.77 PK	74.00	-17.23	3.18 H	0	37.54	19.23
13	15780.00	45.98 AV	54.00	-8.02	3.18 H	0	26.75	19.23

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	51.45 PK	74.00	-22.55	2.22 V	156	45.66	5.79
2	5145.00	38.26 AV	54.00	-15.74	2.22 V	156	32.47	5.79
3	5150.00	53.26 PK	74.00	-20.74	1.94 V	156	47.46	5.80
4	5150.00	39.17 AV	54.00	-14.83	1.94 V	156	33.37	5.80
5	*5260.00	102.35 PK			1.93 V	156	96.35	6.00
6	*5260.00	92.45 AV			1.93 V	156	86.45	6.00
7	5350.00	54.56 PK	74.00	-19.44	2.15 V	156	48.39	6.17
8	5350.00	38.00 AV	54.00	-16.00	2.15 V	156	31.83	6.17
9	5355.00	52.36 PK	74.00	-21.64	1.70 V	156	46.18	6.18
10	5355.00	38.92 AV	54.00	-15.08	1.70 V	156	32.74	6.18
11	#10520.00	55.41 PK	68.20	-12.79	1.77 V	0	41.59	13.82
12	15780.00	56.89 PK	74.00	-17.11	1.82 V	0	37.66	19.23
13	15780.00	45.78 AV	54.00	-8.22	1.82 V	0	26.55	19.23

REMARKS:

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.

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Test Report No.: RF2201WDG0200-4

6. " # ": The radiated frequency is out of the restricted band.



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Test Report No.: RF2201WDG0200-4

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	108.33 PK			2.11 H	125	102.25	6.08
2	*5300.00	98.67 AV			2.11 H	125	92.59	6.08
3	5350.00	53.62 PK	74.00	-20.38	2.59 H	125	47.45	6.17
4	5350.00	42.27 AV	54.00	-11.73	2.59 H	125	36.10	6.17
5	5355.00	52.36 PK	74.00	-21.64	3.46 H	125	46.18	6.18
6	5355.00	42.00 AV	54.00	-12.00	3.46 H	125	35.82	6.18
7	10600.00	53.00 PK	74.00	-21.00	3.34 H	0	39.09	13.91
8	10600.00	42.10 AV	54.00	-11.90	3.34 H	0	28.19	13.91
9	15900.00	55.48 PK	74.00	-18.52	2.01 H	0	36.06	19.42
10	15900.00	45.20 AV	54.00	-8.80	2.01 H	0	25.78	19.42

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	102.68 PK			1.93 V	125	96.60	6.08
2	*5300.00	92.48 AV			1.93 V	125	86.40	6.08
3	5350.00	54.12 PK	74.00	-19.88	1.43 V	125	47.95	6.17
4	5350.00	43.12 AV	54.00	-10.88	1.43 V	125	36.95	6.17
5	5355.00	53.21 PK	74.00	-20.79	1.83 V	125	47.03	6.18
6	5355.00	42.10 AV	54.00	-11.90	1.83 V	125	35.92	6.18
7	10600.00	52.67 PK	74.00	-21.33	2.20 V	0	38.76	13.91
8	10600.00	43.25 AV	54.00	-10.75	2.20 V	0	29.34	13.91
9	15900.00	56.34 PK	74.00	-17.66	1.83 V	0	36.92	19.42
10	15900.00	45.75 AV	54.00	-8.25	1.83 V	0	26.33	19.42

REMARKS:

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.

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Test Report No.: RF2201WDG0200-4

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	107.14 PK			1.93 H	125	101.03	6.11
2	*5320.00	96.00 AV			1.93 H	125	89.89	6.11
3	#5345.00	64.88 PK	68.20	-3.32	2.97 H	125	58.73	6.15
4	#5345.00	43.94 AV	54.00	-10.06	2.97 H	125	37.79	6.15
5	5350.00	60.12 PK	74.00	-13.88	2.50 H	125	53.95	6.17
6	5350.00	41.87 AV	54.00	-12.13	2.50 H	125	35.70	6.17
7	10640.00	53.28 PK	74.00	-20.72	2.76 H	0	39.33	13.95
8	10640.00	43.57 AV	54.00	-10.43	2.76 H	0	29.62	13.95
9	15960.00	55.27 PK	74.00	-18.73	2.92 H	0	35.76	19.51
10	15960.00	45.83 AV	54.00	-8.17	2.92 H	0	26.32	19.51

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	103.09 PK			2.03 V	125	96.98	6.11
2	*5320.00	92.13 AV			2.03 V	125	86.02	6.11
3	5350.00	57.18 PK	74.00	-16.82	2.07 V	125	51.01	6.17
4	5350.00	37.99 AV	54.00	-16.01	2.07 V	125	31.82	6.17
5	5355.00	52.25 PK	74.00	-21.75	2.17 V	125	46.07	6.18
6	5355.00	38.45 AV	54.00	-15.55	2.17 V	125	32.27	6.18
7	10640.00	53.89 PK	74.00	-20.11	1.60 V	0	39.94	13.95
8	10640.00	43.10 AV	54.00	-10.90	1.60 V	0	29.15	13.95
9	15960.00	55.87 PK	74.00	-18.13	1.98 V	0	36.36	19.51
10	15960.00	45.27 AV	54.00	-8.73	1.98 V	0	25.76	19.51

REMARKS:

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.

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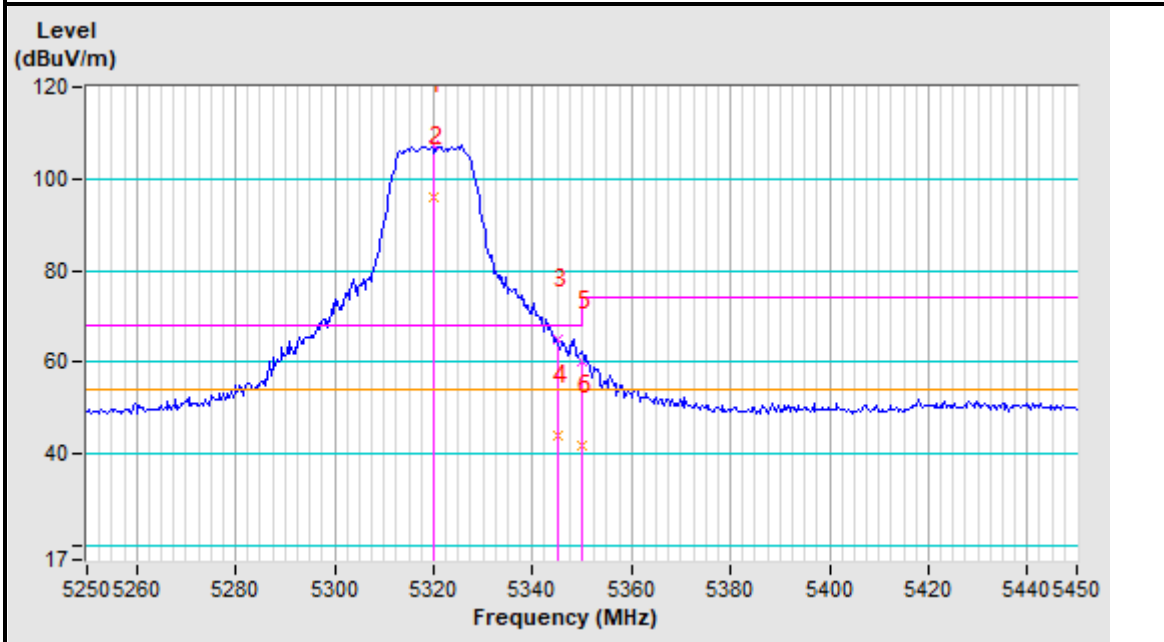


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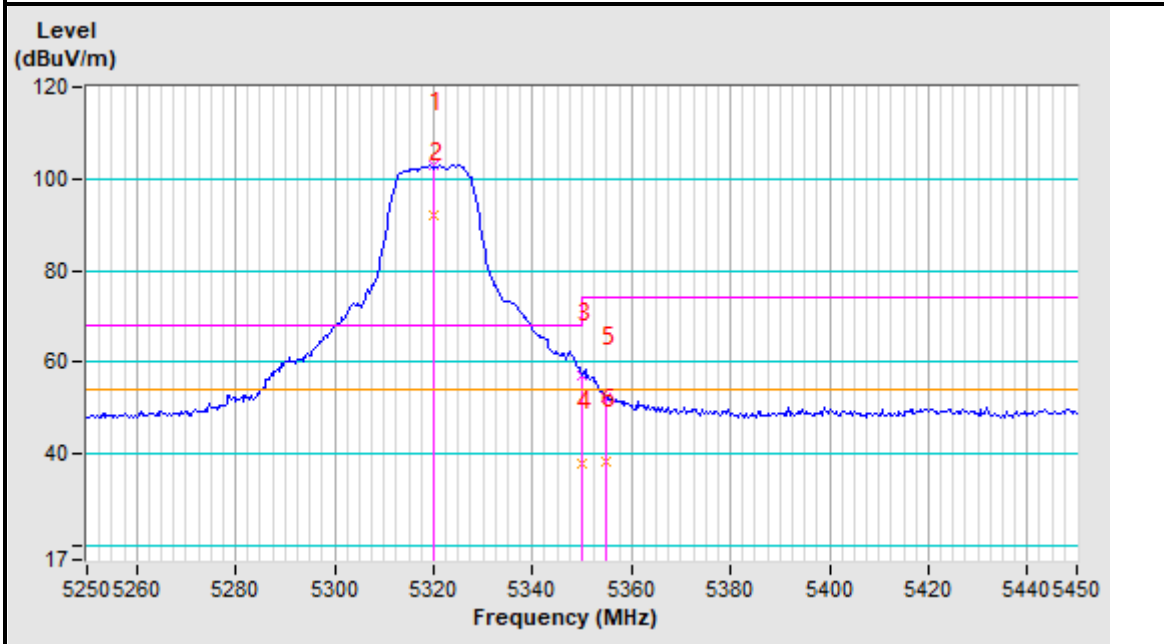
Test Report No.: RF2201WDG0200-4

Band edge Plot

5320MHz Horizontal



5320MHz Vertical





BUREAU VERITAS

Test Report No.: RF2201WDG0200-4

802.11n(HT20)

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	5145.00	52.11 PK	74.00	-21.89	2.92 H	125	46.32	5.79
2	5145.00	39.87 AV	54.00	-14.13	2.92 H	125	34.08	5.79
3	5150.00	52.24 PK	74.00	-21.76	2.69 H	125	46.44	5.80
4	5150.00	40.15 AV	54.00	-13.85	2.69 H	125	34.35	5.80
5	*5260.00	106.11 PK			1.67 H	125	100.11	6.00
6	*5260.00	95.83 AV			1.67 H	125	89.83	6.00
7	5350.00	54.54 PK	74.00	-19.46	3.24 H	125	48.37	6.17
8	5350.00	41.25 AV	54.00	-12.75	3.24 H	125	35.08	6.17
9	5355.00	50.24 PK	74.00	-23.76	2.14 H	125	44.06	6.18
10	5355.00	38.75 AV	54.00	-15.25	2.14 H	125	32.57	6.18
11	#10520.00	53.12 PK	68.20	-15.08	2.45 H	0	39.30	13.82
12	15780.00	56.37 PK	74.00	-17.63	2.94 H	0	37.14	19.23
13	15780.00	45.71 AV	54.00	-8.29	2.94 H	0	26.48	19.23

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	52.42 PK	74.00	-21.58	2.14 V	125	46.63	5.79
2	5145.00	40.12 AV	54.00	-13.88	2.14 V	125	34.33	5.79
3	5150.00	53.14 PK	74.00	-20.86	1.89 V	125	47.34	5.80
4	5150.00	40.53 AV	54.00	-13.47	1.89 V	125	34.73	5.80
5	*5260.00	99.35 PK			1.50 V	125	93.35	6.00
6	*5260.00	89.46 AV			1.50 V	125	83.46	6.00
7	5350.00	53.68 PK	74.00	-20.32	1.96 V	125	47.51	6.17
8	5350.00	42.00 AV	54.00	-12.00	1.96 V	125	35.83	6.17
9	5355.00	51.20 PK	74.00	-22.80	2.03 V	125	45.02	6.18
10	5355.00	39.36 AV	54.00	-14.64	2.03 V	125	33.18	6.18
11	#10520.00	53.67 PK	68.20	-14.53	1.45 V	0	39.85	13.82
12	15780.00	55.01 PK	74.00	-18.99	1.45 V	0	35.78	19.23
13	15780.00	45.78 AV	54.00	-8.22	1.45 V	0	26.55	19.23

REMARKS:

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.

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Test Report No.: RF2201WDG0200-4

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	105.93 PK			2.01 H	125	99.85	6.08
2	*5300.00	96.35 AV			2.01 H	125	90.27	6.08
3	5350.00	52.45 PK	74.00	-21.55	1.66 H	125	46.28	6.17
4	5350.00	38.78 AV	54.00	-15.22	1.66 H	125	32.61	6.17
5	5355.00	55.37 PK	74.00	-18.63	3.18 H	125	49.19	6.18
6	5355.00	39.68 AV	54.00	-14.32	3.18 H	125	33.50	6.18
7	10600.00	52.36 PK	74.00	-21.64	2.93 H	0	38.45	13.91
8	10600.00	41.70 AV	54.00	-12.30	2.93 H	0	27.79	13.91
9	15900.00	55.12 PK	74.00	-18.88	1.94 H	0	35.70	19.42
10	15900.00	46.36 AV	54.00	-7.64	1.94 H	0	26.94	19.42

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	99.31 PK			1.61 V	125	93.23	6.08
2	*5300.00	89.25 AV			1.61 V	125	83.17	6.08
3	5350.00	53.08 PK	74.00	-20.92	1.74 V	125	46.91	6.17
4	5350.00	39.57 AV	54.00	-14.43	1.74 V	125	33.40	6.17
5	5355.00	56.45 PK	74.00	-17.55	2.08 V	125	50.27	6.18
6	5355.00	40.12 AV	54.00	-13.88	2.08 V	125	33.94	6.18
7	10600.00	53.45 PK	74.00	-20.55	1.94 V	0	39.54	13.91
8	10600.00	42.12 AV	54.00	-11.88	1.94 V	0	28.21	13.91
9	15900.00	54.89 PK	74.00	-19.11	2.06 V	0	35.47	19.42
10	15900.00	45.68 AV	54.00	-8.32	2.06 V	0	26.26	19.42

REMARKS:

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.

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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	106.43 PK			2.77 H	125	100.32	6.11
2	*5320.00	94.73 AV			2.77 H	125	88.62	6.11
3	5350.00	53.62 PK	74.00	-20.38	2.06 H	125	47.45	6.17
4	5350.00	39.54 AV	54.00	-14.46	2.06 H	125	33.37	6.17
5	5355.00	53.00 PK	74.00	-21.00	2.11 H	125	46.82	6.18
6	5355.00	38.00 AV	54.00	-16.00	2.11 H	125	31.82	6.18
7	10640.00	54.61 PK	74.00	-19.39	2.70 H	0	40.66	13.95
8	10640.00	42.19 AV	54.00	-11.81	2.70 H	0	28.24	13.95
9	15960.00	56.45 PK	74.00	-17.55	3.27 H	0	36.94	19.51
10	15960.00	46.17 AV	54.00	-7.83	3.27 H	0	26.66	19.51

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	100.00 PK			1.91 V	125	93.89	6.11
2	*5320.00	87.72 AV			1.91 V	125	81.61	6.11
3	5350.00	47.86 PK	74.00	-26.14	2.07 V	125	41.69	6.17
4	5350.00	36.25 AV	54.00	-17.75	2.07 V	125	30.08	6.17
5	5355.00	47.61 PK	74.00	-26.39	1.75 V	125	41.43	6.18
6	5355.00	36.57 AV	54.00	-17.43	1.75 V	125	30.39	6.18
7	10640.00	53.46 PK	74.00	-20.54	2.11 V	0	39.51	13.95
8	10640.00	42.26 AV	54.00	-11.74	2.11 V	0	28.31	13.95
9	15960.00	55.43 PK	74.00	-18.57	1.96 V	0	35.92	19.51
10	15960.00	45.12 AV	54.00	-8.88	1.96 V	0	25.61	19.51

REMARKS:

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.

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Dongguan Branch

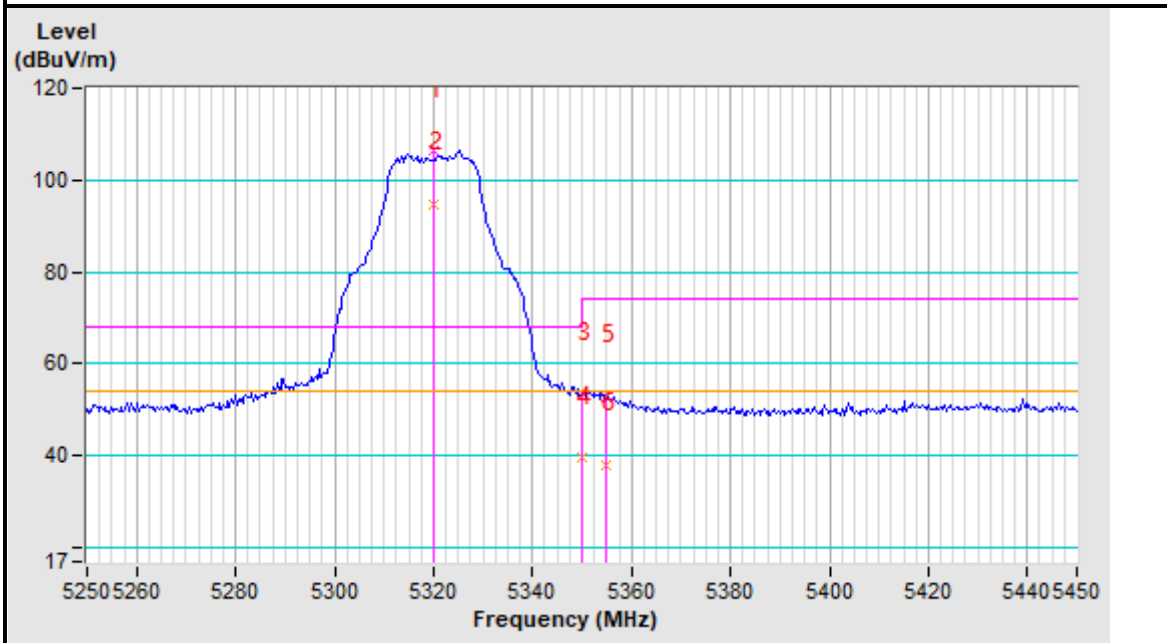
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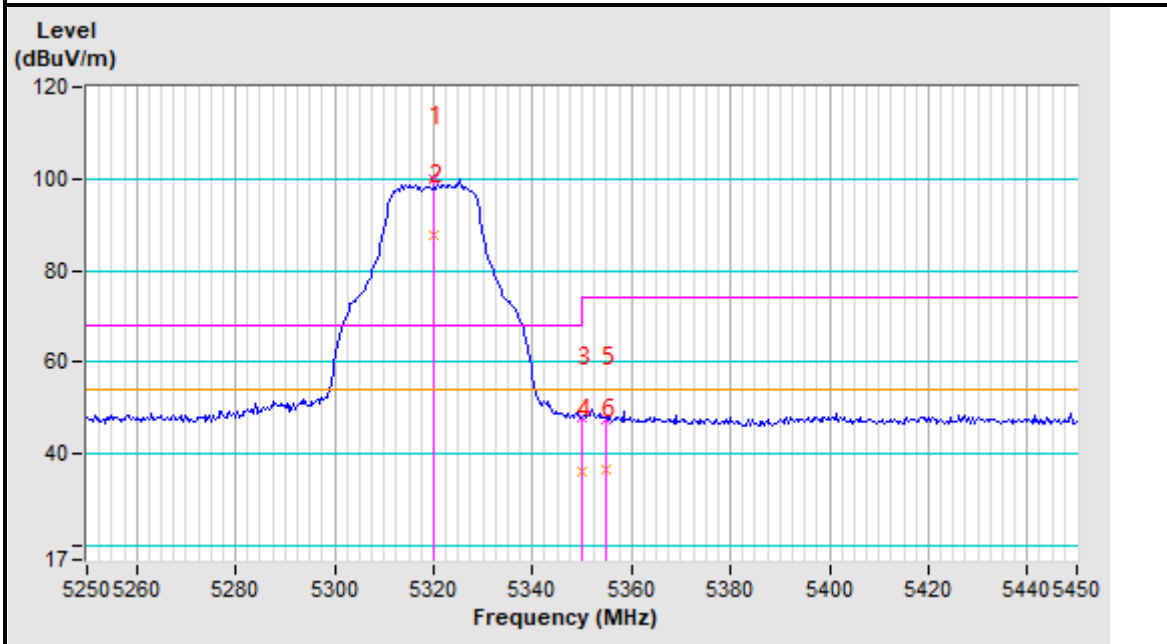


Band edge Plot

5320MHz Horizontal



5320MHz Vertical



802.11n(HT40)

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	104.00 PK			2.26 H	125	97.98	6.02
2	*5270.00	94.52 AV			2.26 H	125	88.50	6.02
3	5350.00	54.82 PK	74.00	-19.18	2.12 H	125	48.65	6.17
4	5350.00	43.16 AV	54.00	-10.84	2.12 H	125	36.99	6.17
5	5355.00	54.58 PK	74.00	-19.42	3.34 H	125	48.40	6.18
6	5355.00	42.19 AV	54.00	-11.81	3.34 H	125	36.01	6.18
7	#10540.00	53.64 PK	68.20	-14.56	1.78 H	0	39.80	13.84
8	15810.00	56.37 PK	74.00	-17.63	3.25 H	0	37.09	19.28
9	15810.00	45.69 AV	54.00	-8.31	3.25 H	0	26.41	19.28

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	95.64 PK			1.90 V	125	89.62	6.02
2	*5270.00	85.67 AV			1.90 V	125	79.65	6.02
3	5350.00	53.76 PK	74.00	-20.24	2.21 V	125	47.59	6.17
4	5350.00	42.37 AV	54.00	-11.63	2.21 V	125	36.20	6.17
5	5355.00	54.85 PK	74.00	-19.15	1.54 V	125	48.67	6.18
6	5355.00	42.33 AV	54.00	-11.67	1.54 V	125	36.15	6.18
7	#10540.00	53.73 PK	68.20	-14.47	1.68 V	0	39.89	13.84
8	15810.00	56.11 PK	74.00	-17.89	2.28 V	0	36.83	19.28
9	15810.00	45.20 AV	54.00	-8.80	2.28 V	0	25.92	19.28

REMARKS:

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	103.92 PK			2.73 H	125	97.83	6.09
2	*5310.00	86.14 AV			2.73 H	125	80.05	6.09
3	5350.00	58.02 PK	74.00	-15.98	3.12 H	125	51.85	6.17
4	5350.00	42.21 AV	54.00	-11.79	3.12 H	125	36.04	6.17
5	5355.00	56.02 PK	74.00	-17.98	3.16 H	125	49.84	6.18
6	5355.00	40.00 AV	54.00	-14.00	3.16 H	125	33.82	6.18
7	10620.00	54.57 PK	74.00	-19.43	2.45 H	0	40.64	13.93
8	10620.00	42.33 AV	54.00	-11.67	2.45 H	0	28.40	13.93
9	15930.00	54.54 PK	74.00	-19.46	3.41 H	0	35.08	19.46
10	15930.00	45.62 AV	54.00	-8.38	3.41 H	0	26.16	19.46

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	*5310.00	95.00 PK			1.67 V	125	88.91	6.09
2	*5310.00	85.72 AV			1.67 V	125	79.63	6.09
3	5350.00	49.26 PK	74.00	-24.74	1.64 V	125	43.09	6.17
4	5350.00	39.07 AV	54.00	-14.93	1.64 V	125	32.90	6.17
5	5355.00	49.03 PK	74.00	-24.97	1.60 V	125	42.85	6.18
6	5355.00	38.57 AV	54.00	-15.43	1.60 V	125	32.39	6.18
7	10620.00	54.11 PK	74.00	-19.89	1.92 V	0	40.18	13.93
8	10620.00	42.28 AV	54.00	-11.72	1.92 V	0	28.35	13.93
9	15930.00	54.89 PK	74.00	-19.11	1.65 V	0	35.43	19.46
10	15930.00	45.92 AV	54.00	-8.08	1.65 V	0	26.46	19.46

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.

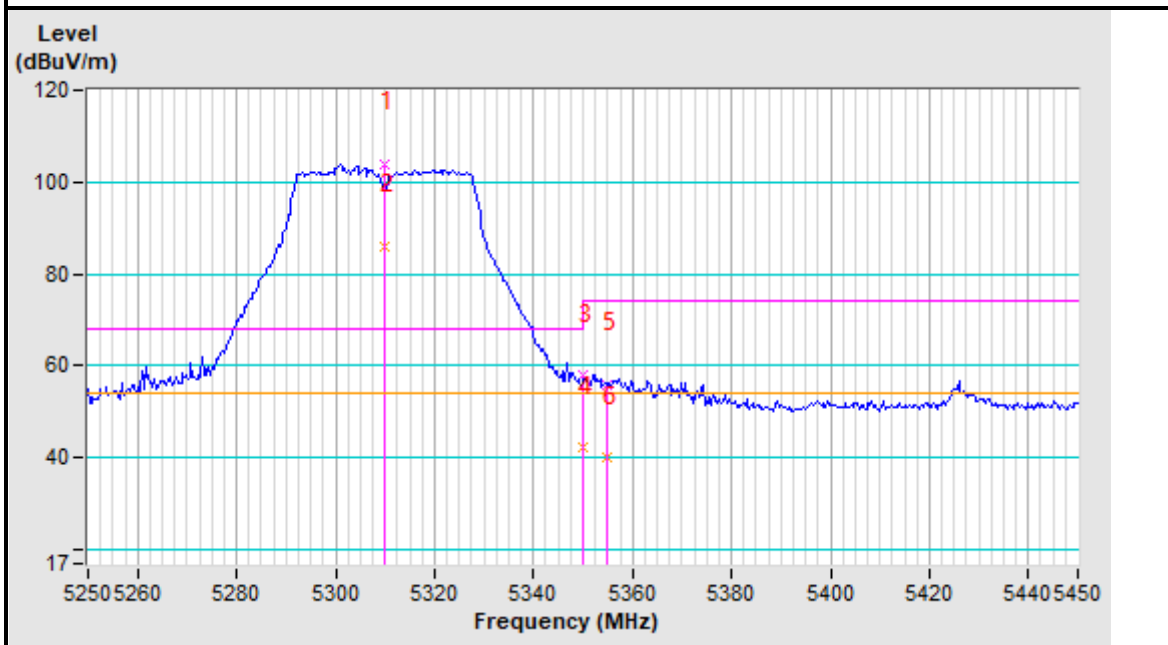


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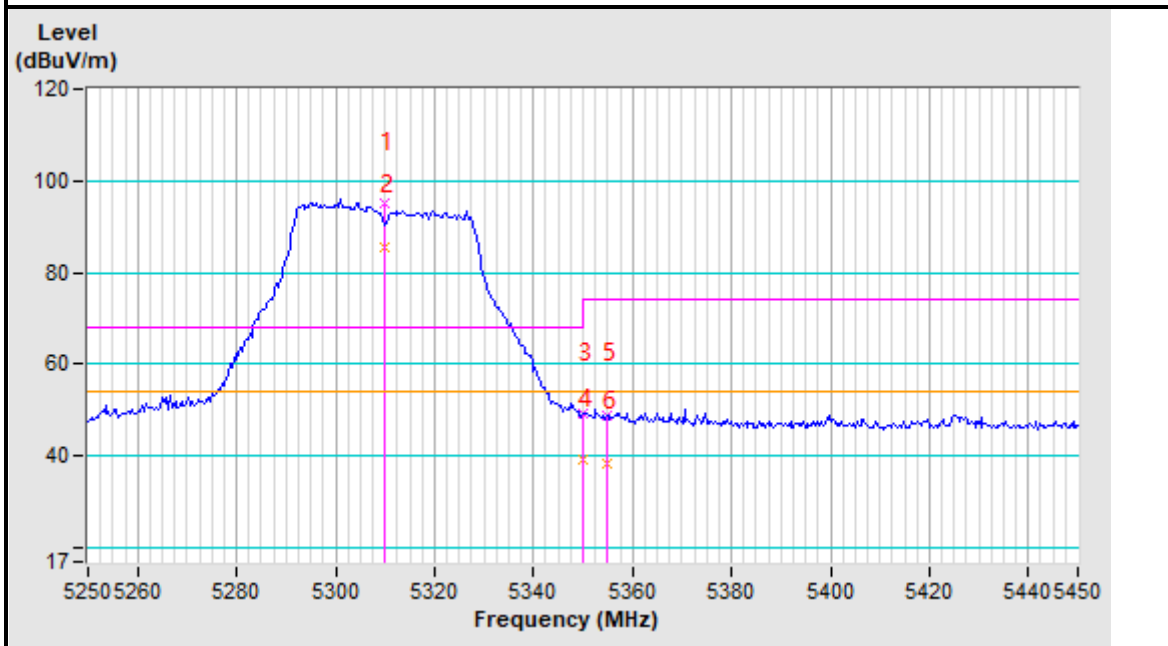
Test Report No.: RF2201WDG0200-4

Band edge Plot

5310MHz Horizontal



5310MHz Vertical





802.11ax(HE20)

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	5145.00	51.64 PK	74.00	-22.36	2.66 H	125	45.85	5.79
2	5145.00	39.92 AV	54.00	-14.08	2.66 H	125	34.13	5.79
3	5150.00	52.00 PK	74.00	-22.00	2.69 H	125	46.20	5.80
4	5150.00	41.39 AV	54.00	-12.61	2.69 H	125	35.59	5.80
5	*5260.00	105.75 PK			2.14 H	125	99.75	6.00
6	*5260.00	95.68 AV			2.14 H	125	89.68	6.00
7	5350.00	54.23 PK	74.00	-19.77	2.03 H	125	48.06	6.17
8	5350.00	43.11 AV	54.00	-10.89	2.03 H	125	36.94	6.17
9	5355.00	52.60 PK	74.00	-21.40	2.12 H	125	46.42	6.18
10	5355.00	41.00 AV	54.00	-13.00	2.12 H	125	34.82	6.18
11	#10520.00	52.67 PK	68.20	-15.53	1.59 H	0	38.85	13.82
12	15780.00	54.78 PK	74.00	-19.22	2.94 H	0	35.55	19.23
13	15780.00	45.35 AV	54.00	-8.65	2.94 H	0	26.12	19.23

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	52.00 PK	74.00	-22.00	1.99 V	125	46.21	5.79
2	5145.00	41.12 AV	54.00	-12.88	1.99 V	125	35.33	5.79
3	5150.00	51.36 PK	74.00	-22.64	1.77 V	125	45.56	5.80
4	5150.00	42.03 AV	54.00	-11.97	1.77 V	125	36.23	5.80
5	*5260.00	95.36 PK			1.51 V	125	89.36	6.00
6	*5260.00	85.33 AV			1.51 V	125	79.33	6.00
7	5350.00	53.02 PK	74.00	-20.98	1.91 V	125	46.85	6.17
8	5350.00	42.37 AV	54.00	-11.63	1.91 V	125	36.20	6.17
9	5355.00	52.74 PK	74.00	-21.26	2.12 V	125	46.56	6.18
10	5355.00	41.34 AV	54.00	-12.66	2.12 V	125	35.16	6.18
11	#10520.00	52.55 PK	68.20	-15.65	2.03 V	0	38.73	13.82
12	15780.00	54.62 PK	74.00	-19.38	2.10 V	0	35.39	19.23
13	15780.00	45.28 AV	54.00	-8.72	2.10 V	0	26.05	19.23

REMARKS:

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.



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Test Report No.: RF2201WDG0200-4

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	105.33 PK			1.71 H	125	99.25	6.08
2	*5300.00	96.00 AV			1.71 H	125	89.92	6.08
3	5350.00	52.36 PK	74.00	-21.64	2.23 H	125	46.19	6.17
4	5350.00	40.23 AV	54.00	-13.77	2.23 H	125	34.06	6.17
5	5355.00	52.42 PK	74.00	-21.58	3.36 H	125	46.24	6.18
6	5355.00	39.77 AV	54.00	-14.23	3.36 H	125	33.59	6.18
7	10600.00	53.20 PK	74.00	-20.80	1.93 H	0	39.29	13.91
8	10600.00	42.52 AV	54.00	-11.48	1.93 H	0	28.61	13.91
9	15900.00	54.81 PK	74.00	-19.19	2.66 H	0	35.39	19.42
10	15900.00	45.67 AV	54.00	-8.33	2.66 H	0	26.25	19.42

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	95.24 PK			1.75 V	125	89.16	6.08
2	*5300.00	84.66 AV			1.75 V	125	78.58	6.08
3	5350.00	53.33 PK	74.00	-20.67	2.20 V	125	47.16	6.17
4	5350.00	39.45 AV	54.00	-14.55	2.20 V	125	33.28	6.17
5	5355.00	52.12 PK	74.00	-21.88	1.44 V	125	45.94	6.18
6	5355.00	38.57 AV	54.00	-15.43	1.44 V	125	32.39	6.18
7	10600.00	53.11 PK	74.00	-20.89	1.73 V	0	39.20	13.91
8	10600.00	42.00 AV	54.00	-12.00	1.73 V	0	28.09	13.91
9	15900.00	54.21 PK	74.00	-19.79	1.57 V	0	34.79	19.42
10	15900.00	45.74 AV	54.00	-8.26	1.57 V	0	26.32	19.42

REMARKS:

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.



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Test Report No.: RF2201WDG0200-4

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	106.67 PK			3.20 H	125	100.56	6.11
2	*5320.00	93.91 AV			3.20 H	125	87.80	6.11
3	5350.00	53.85 PK	74.00	-20.15	3.36 H	125	47.68	6.17
4	5350.00	42.57 AV	54.00	-11.43	3.36 H	125	36.40	6.17
5	5355.00	53.00 PK	74.00	-21.00	2.96 H	125	46.82	6.18
6	5355.00	39.46 AV	54.00	-14.54	2.96 H	125	33.28	6.18
7	10640.00	54.35 PK	74.00	-19.65	2.24 H	0	40.40	13.95
8	10640.00	42.18 AV	54.00	-11.82	2.24 H	0	28.23	13.95
9	15960.00	56.00 PK	74.00	-18.00	2.84 H	0	36.49	19.51
10	15960.00	46.77 AV	54.00	-7.23	2.84 H	0	27.26	19.51

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	94.00 PK			1.98 V	125	87.89	6.11
2	*5320.00	84.21 AV			1.98 V	125	78.10	6.11
3	5350.00	47.00 PK	74.00	-27.00	1.89 V	125	40.83	6.17
4	5350.00	39.57 AV	54.00	-14.43	1.89 V	125	33.40	6.17
5	5355.00	47.00 PK	74.00	-27.00	2.27 V	125	40.82	6.18
6	5355.00	38.69 AV	54.00	-15.31	2.27 V	125	32.51	6.18
7	10640.00	54.10 PK	74.00	-19.90	2.26 V	0	40.15	13.95
8	10640.00	42.56 AV	54.00	-11.44	2.26 V	0	28.61	13.95
9	15960.00	56.84 PK	74.00	-17.16	2.08 V	0	37.33	19.51
10	15960.00	46.21 AV	54.00	-7.79	2.08 V	0	26.70	19.51

REMARKS:

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.

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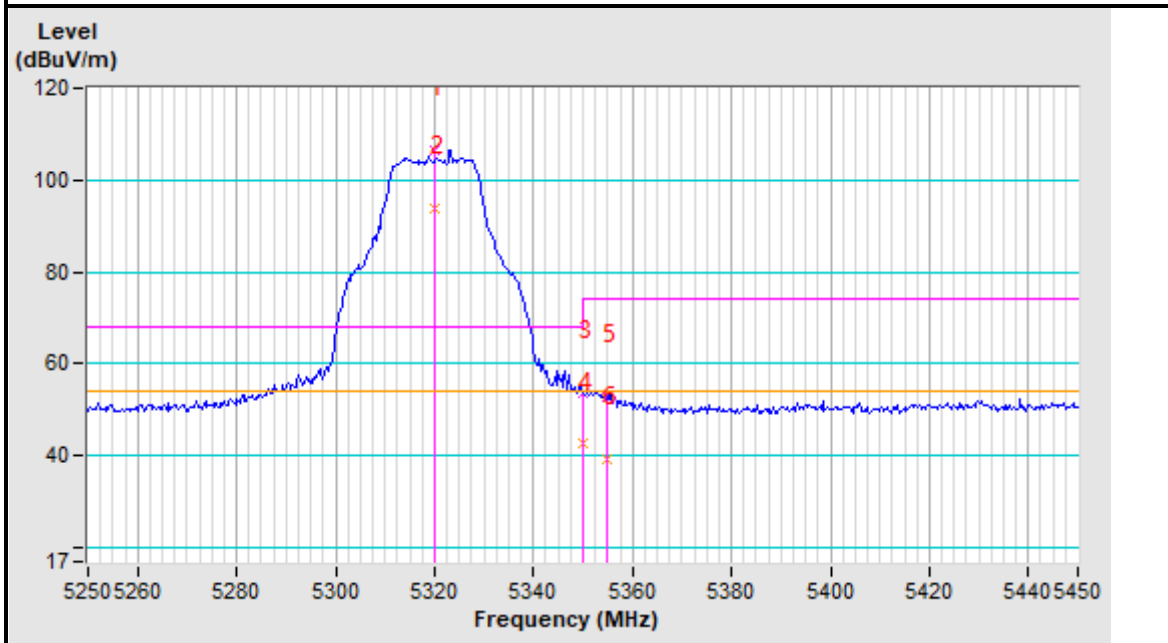


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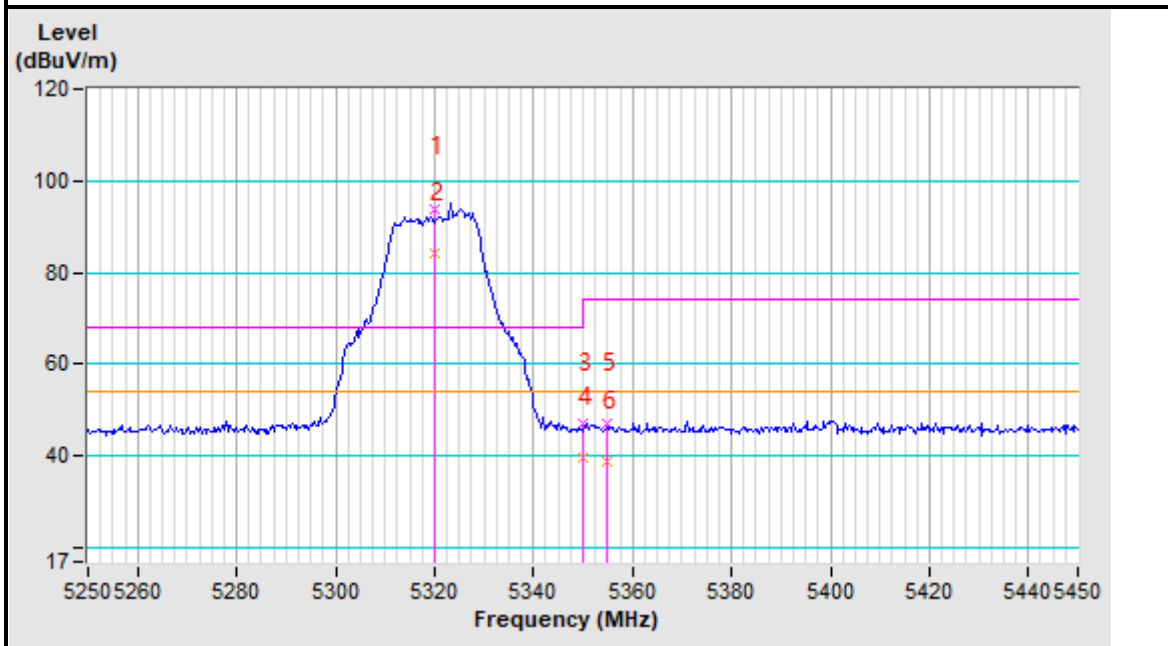
Test Report No.: RF2201WDG0200-4

Band edge Plot

5320MHz Horizontal



5320MHz Vertical



802.11ax(HE40)

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	104.00 PK			2.10 H	125	97.98	6.02
2	*5270.00	95.02 AV			2.10 H	125	89.00	6.02
3	5350.00	54.85 PK	74.00	-19.15	2.69 H	125	48.68	6.17
4	5350.00	43.21 AV	54.00	-10.79	2.69 H	125	37.04	6.17
5	5355.00	52.61 PK	74.00	-21.39	2.13 H	125	46.43	6.18
6	5355.00	39.87 AV	54.00	-14.13	2.13 H	125	33.69	6.18
7	#10540.00	55.72 PK	68.20	-12.48	2.11 H	0	41.88	13.84
8	15810.00	56.34 PK	74.00	-17.66	2.43 H	0	37.06	19.28
9	15810.00	45.99 AV	54.00	-8.01	2.43 H	0	26.71	19.28

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	94.36 PK			1.43 V	125	88.34	6.02
2	*5270.00	84.36 AV			1.43 V	125	78.34	6.02
3	5350.00	53.14 PK	74.00	-20.86	1.52 V	125	46.97	6.17
4	5350.00	42.20 AV	54.00	-11.80	1.52 V	125	36.03	6.17
5	5355.00	52.18 PK	74.00	-21.82	2.11 V	125	46.00	6.18
6	5355.00	40.00 AV	54.00	-14.00	2.11 V	125	33.82	6.18
7	#10540.00	54.00 PK	68.20	-14.20	2.17 V	0	40.16	13.84
8	15810.00	54.37 PK	74.00	-19.63	2.08 V	0	35.09	19.28
9	15810.00	45.25 AV	54.00	-8.75	2.08 V	0	25.97	19.28

REMARKS:

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.



BUREAU VERITAS

Test Report No.: RF2201WDG0200-4

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	103.68 PK			1.71 H	125	97.59	6.09
2	*5310.00	83.21 AV			1.71 H	125	77.12	6.09
3	5350.00	61.20 PK	74.00	-12.80	3.39 H	125	55.03	6.17
4	5350.00	42.80 AV	54.00	-11.20	3.39 H	125	36.63	6.17
5	5355.00	60.00 PK	74.00	-14.00	2.01 H	125	53.82	6.18
6	5355.00	41.00 AV	54.00	-13.00	2.01 H	125	34.82	6.18
7	10620.00	52.61 PK	74.00	-21.39	1.71 H	0	38.68	13.93
8	10620.00	42.53 AV	54.00	-11.47	1.71 H	0	28.60	13.93
9	15930.00	54.11 PK	74.00	-19.89	2.54 H	0	34.65	19.46
10	15930.00	45.75 AV	54.00	-8.25	2.54 H	0	26.29	19.46

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	*5310.00	96.14 PK			1.89 V	125	90.05	6.09
2	*5310.00	86.33 AV			1.89 V	125	80.24	6.09
3	5350.00	49.00 PK	74.00	-25.00	1.97 V	125	42.83	6.17
4	5350.00	39.54 AV	54.00	-14.46	1.97 V	125	33.37	6.17
5	5355.00	52.22 PK	74.00	-21.78	1.46 V	125	46.04	6.18
6	5355.00	41.36 AV	54.00	-12.64	1.46 V	125	35.18	6.18
7	10620.00	52.24 PK	74.00	-21.76	1.93 V	0	38.31	13.93
8	10620.00	42.38 AV	54.00	-11.62	1.93 V	0	28.45	13.93
9	15930.00	54.85 PK	74.00	-19.15	1.44 V	0	35.39	19.46
10	15930.00	45.20 AV	54.00	-8.80	1.44 V	0	25.74	19.46

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.

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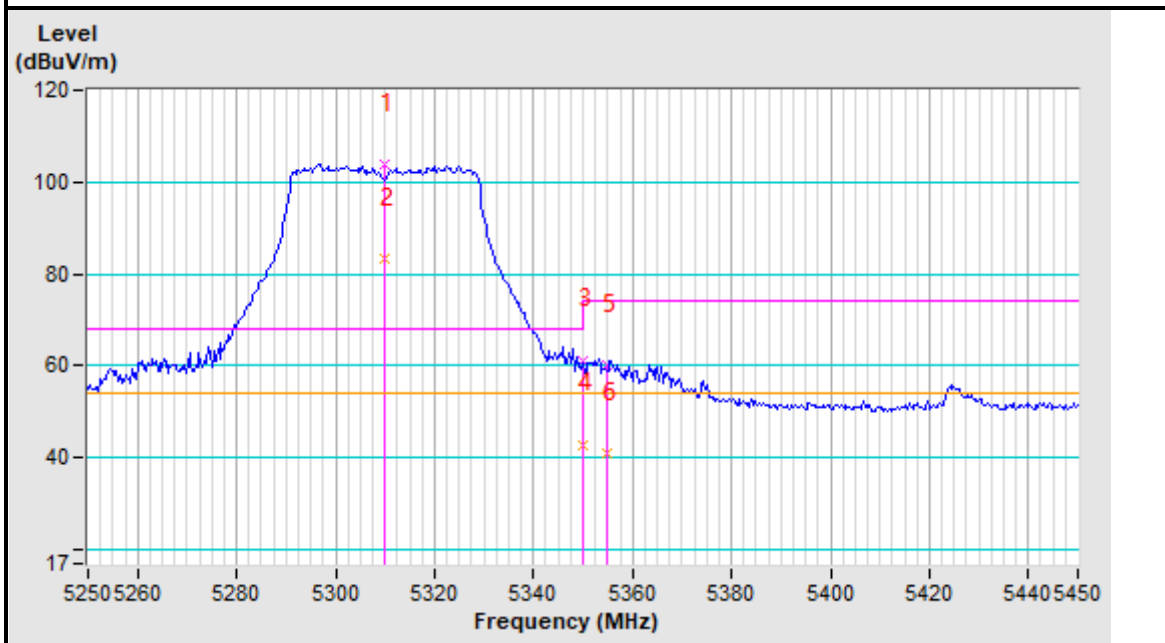


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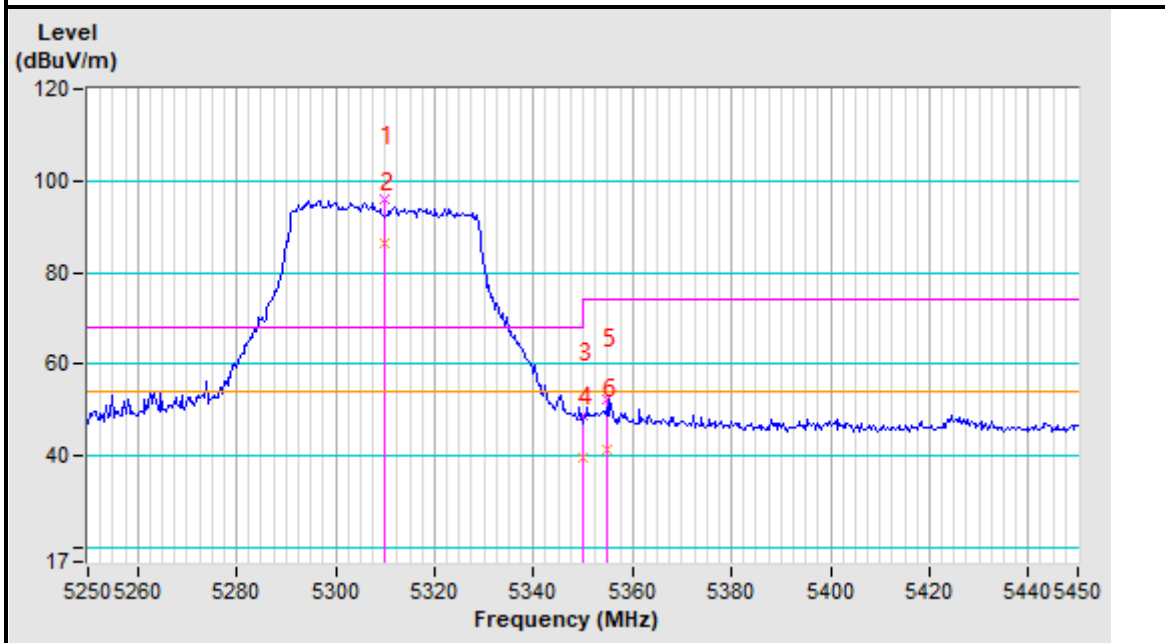
Test Report No.: RF2201WDG0200-4

Band edge Plot

5310MHz Horizontal



5310MHz Vertical





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Test Report No.: RF2201WDG0200-4

Band 3 (5470-5725MHz):

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	#5465.00	55.11 PK	68.20	-13.09	1.93 H	125	48.73	6.38
2	#5470.00	57.79 PK	68.20	-10.41	1.93 H	125	51.41	6.38
3	*5500.00	105.36 PK			1.95 H	125	98.92	6.44
4	*5500.00	94.24 AV			1.95 H	125	87.80	6.44
5	11000.00	54.62 PK	74.00	-19.38	2.05 H	0	40.26	14.36
6	11000.00	42.38 AV	54.00	-11.62	2.05 H	0	28.02	14.36
7	#16500.00	57.56 PK	68.20	-10.64	2.78 H	0	37.45	20.11
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5465.00	47.78 PK	68.20	-20.42	1.48 V	125	41.40	6.38
2	#5470.00	48.71 PK	68.20	-19.49	1.48 V	125	42.33	6.38
3	*5500.00	96.61 PK			1.53 V	125	90.17	6.44
4	*5500.00	86.22 AV			1.53 V	125	79.78	6.44
5	11000.00	54.44 PK	74.00	-19.56	1.46 V	0	40.08	14.36
6	11000.00	42.05 AV	54.00	-11.95	1.46 V	0	27.69	14.36
7	#16500.00	57.11 PK	68.20	-11.09	1.98 V	0	37.00	20.11

REMARKS:

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.

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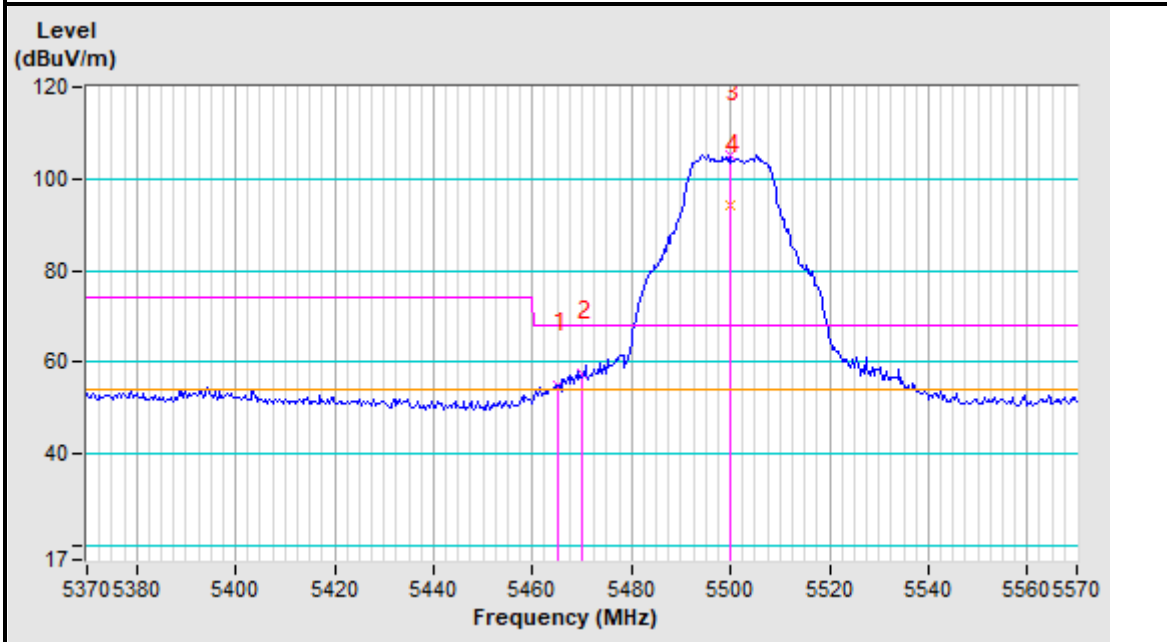


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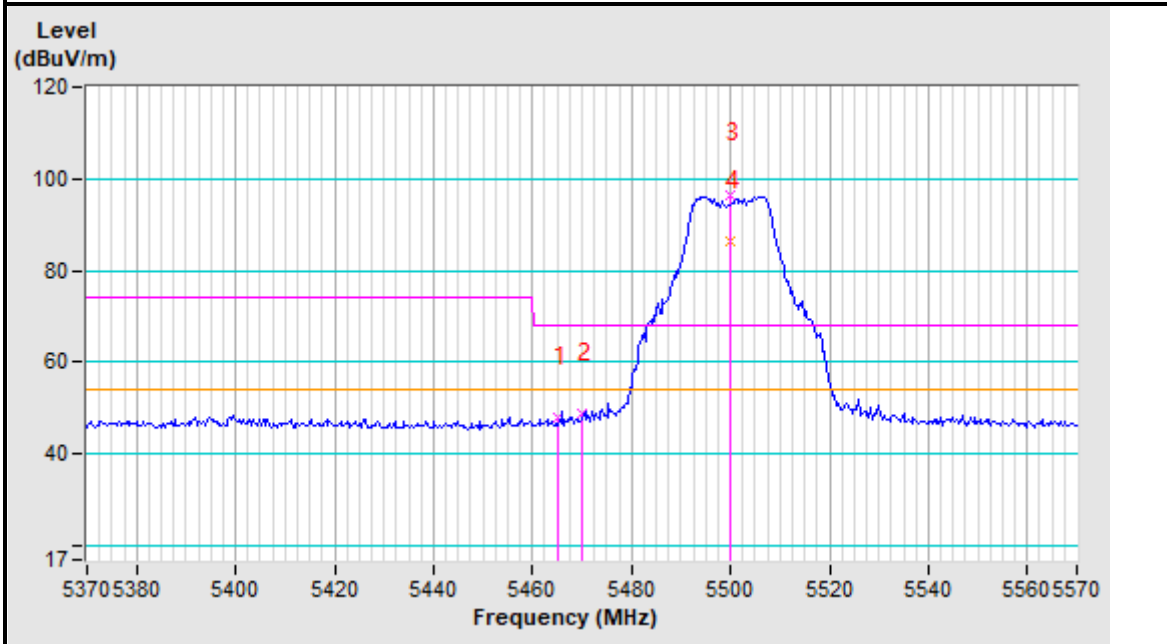
Test Report No.: RF2201WDG0200-4

Band edge Plot

5500MHz Horizontal



5500MHz Vertical





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Test Report No.: RF2201WDG0200-4

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	56.21 PK	68.20	-11.99	2.21 H	125	49.83	6.38
2	#5470.00	41.36 AV	54.00	-12.64	2.21 H	125	34.98	6.38
3	*5580.00	104.68 PK			3.00 H	125	98.00	6.68
4	*5580.00	94.57 AV			3.00 H	125	87.89	6.68
5	11160.00	53.65 PK	74.00	-20.35	1.69 H	0	38.97	14.68
6	11160.00	42.06 AV	54.00	-11.94	1.69 H	0	27.38	14.68
7	#16740.00	54.68 PK	68.20	-13.52	3.49 H	0	34.12	20.56

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	54.86 PK	68.20	-13.34	1.41 V	125	48.48	6.38
2	#5470.00	42.04 AV	54.00	-11.96	1.41 V	125	35.66	6.38
3	*5580.00	94.36 PK			2.07 V	125	87.68	6.68
4	*5580.00	85.03 AV			2.07 V	125	78.35	6.68
5	11160.00	52.44 PK	74.00	-21.56	1.50 V	0	37.76	14.68
6	11160.00	42.51 AV	54.00	-11.49	1.50 V	0	27.83	14.68
7	#16740.00	53.27 PK	68.20	-14.93	2.04 V	0	32.71	20.56

REMARKS:

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



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Test Report No.: RF2201WDG0200-4

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	104.50 PK			2.30 H	125	97.47	7.03
2	*5700.00	94.25 AV			2.30 H	125	87.22	7.03
3	#5725.00	57.08 PK	68.20	-11.12	2.78 H	125	49.98	7.10
4	#5730.00	57.00 PK	68.20	-11.20	2.78 H	125	49.89	7.11
5	11400.00	54.58 PK	74.00	-19.42	3.43 H	0	39.43	15.15
6	11400.00	43.25 AV	54.00	-10.75	3.43 H	0	28.10	15.15
7	#17100.00	56.84 PK	68.20	-11.36	2.18 H	0	35.79	21.05

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	97.89 PK			2.03 V	125	90.86	7.03
2	*5700.00	87.36 AV			2.03 V	125	80.33	7.03
3	#5725.00	50.00 PK	68.20	-18.20	1.80 V	125	42.90	7.10
4	#5730.00	47.56 PK	68.20	-20.64	1.80 V	125	40.45	7.11
5	11400.00	55.10 PK	74.00	-18.90	1.70 V	0	39.95	15.15
6	11400.00	43.67 AV	54.00	-10.33	1.70 V	0	28.52	15.15
7	#17100.00	57.12 PK	68.20	-11.08	2.27 V	0	36.07	21.05

REMARKS:

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

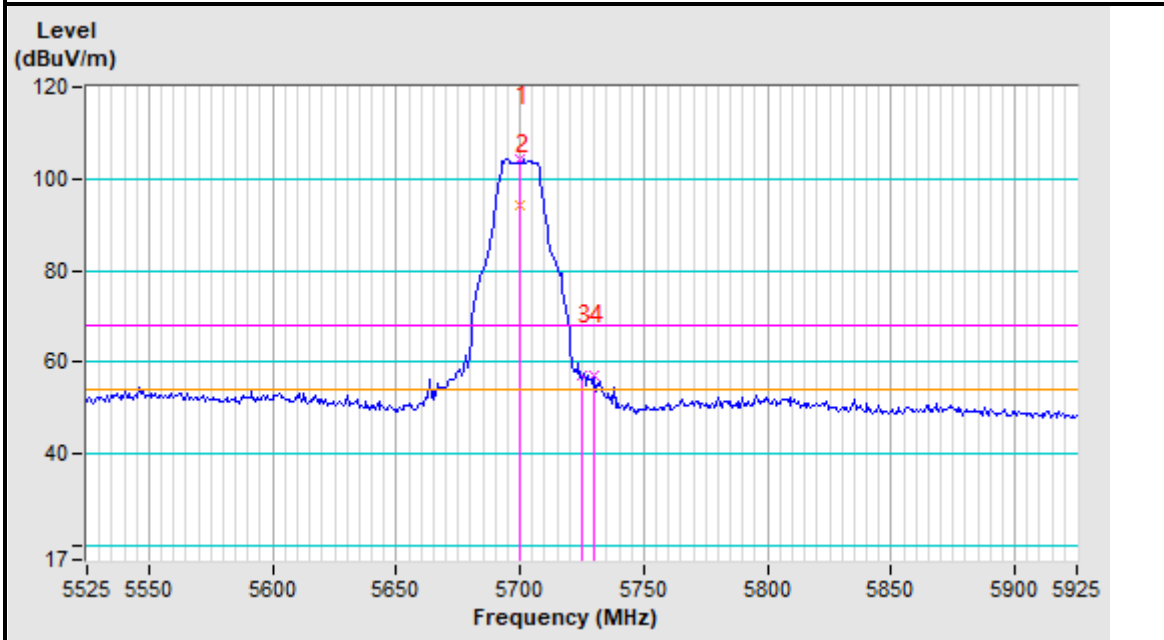


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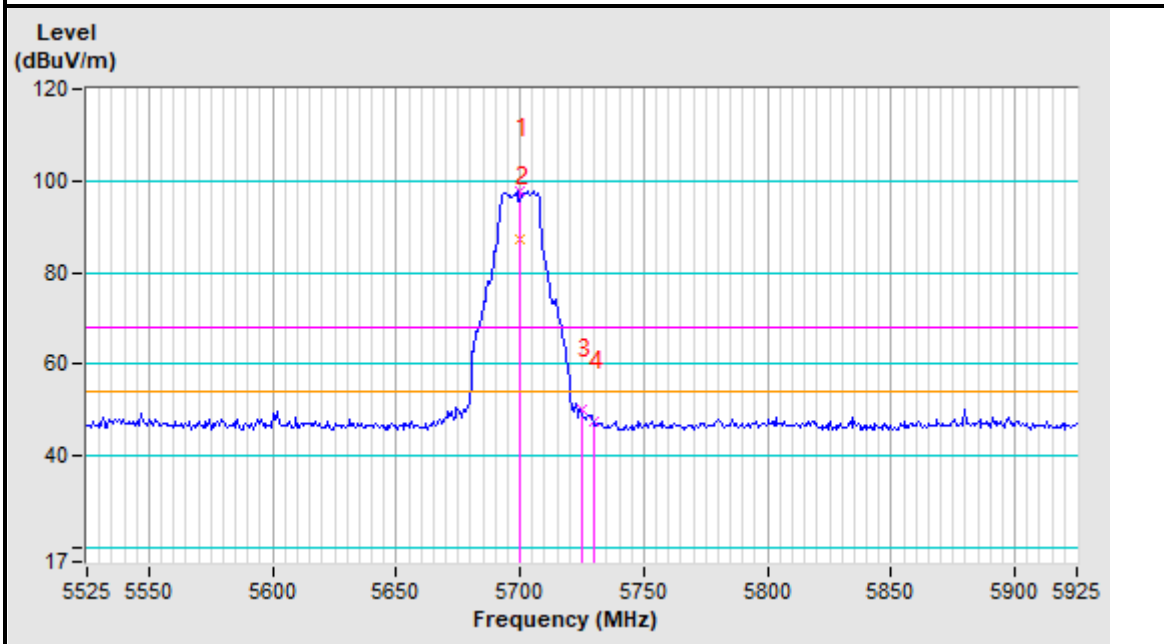
Test Report No.: RF2201WDG0200-4

Band edge Plot

5700MHz Horizontal



5700MHz Vertical





802.11n(HT20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	53.44 PK	68.20	-14.76	2.69 H	125	47.06	6.38
2	#5470.00	42.36 AV	54.00	-11.64	2.69 H	125	35.98	6.38
3	*5580.00	105.36 PK			1.73 H	125	98.68	6.68
4	*5580.00	95.21 AV			1.73 H	125	88.53	6.68
5	11160.00	52.24 PK	74.00	-21.76	1.93 H	0	37.56	14.68
6	11160.00	41.02 AV	54.00	-12.98	1.93 H	0	26.34	14.68
7	#16740.00	53.64 PK	68.20	-14.56	3.03 H	0	33.08	20.56
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	52.86 PK	68.20	-15.34	2.26 V	125	46.48	6.38
2	#5470.00	42.52 AV	54.00	-11.48	2.26 V	125	36.14	6.38
3	*5580.00	96.37 PK			2.16 V	125	89.69	6.68
4	*5580.00	86.00 AV			2.16 V	125	79.32	6.68
5	11160.00	52.24 PK	74.00	-21.76	2.22 V	0	37.56	14.68
6	11160.00	41.53 AV	54.00	-12.47	2.22 V	0	26.85	14.68
7	#16740.00	53.28 PK	68.20	-14.92	1.91 V	0	32.72	20.56

REMARKS:

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

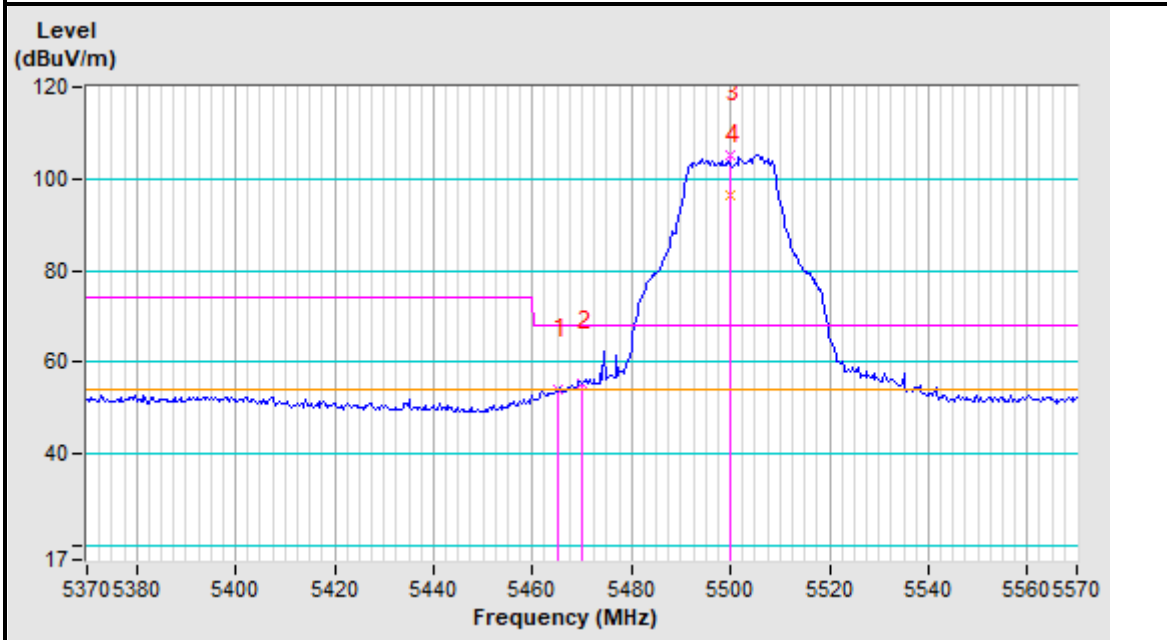


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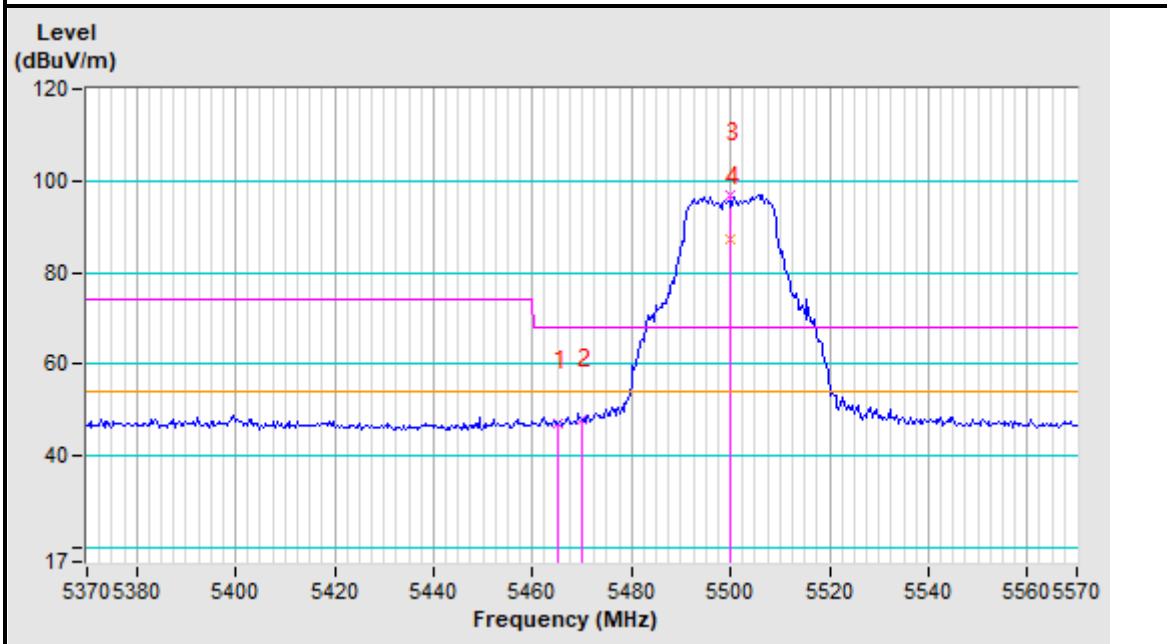
Test Report No.: RF2201WDG0200-4

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	53.44 PK	68.20	-14.76	3.07 H	125	47.06	6.38
2	#5470.00	42.36 AV	54.00	-11.64	3.07 H	125	35.98	6.38
3	*5580.00	105.36 PK			2.10 H	125	98.68	6.68
4	*5580.00	95.21 AV			2.10 H	125	88.53	6.68
5	11160.00	52.24 PK	74.00	-21.76	2.12 H	0	37.56	14.68
6	11160.00	41.02 AV	54.00	-12.98	2.12 H	0	26.34	14.68
7	#16740.00	53.64 PK	68.20	-14.56	1.52 H	0	33.08	20.56

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	52.86 PK	68.20	-15.34	1.59 V	125	46.48	6.38
2	#5470.00	42.52 AV	54.00	-11.48	1.59 V	125	36.14	6.38
3	*5580.00	96.37 PK			1.81 V	125	89.69	6.68
4	*5580.00	86.00 AV			1.81 V	125	79.32	6.68
5	11160.00	52.24 PK	74.00	-21.76	1.45 V	0	37.56	14.68
6	11160.00	41.53 AV	54.00	-12.47	1.45 V	0	26.85	14.68
7	#16740.00	53.28 PK	68.20	-14.92	1.40 V	0	32.72	20.56

REMARKS:

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



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Test Report No.: RF2201WDG0200-4

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	105.30 PK			2.14 H	125	98.27	7.03
2	*5700.00	95.41 AV			2.14 H	125	88.38	7.03
3	#5725.00	56.00 PK	68.20	-12.20	3.37 H	125	48.90	7.10
4	#5730.00	55.00 PK	68.20	-13.20	3.15 H	125	47.89	7.11
5	11400.00	53.24 PK	74.00	-20.76	3.35 H	0	38.09	15.15
6	11400.00	42.25 AV	54.00	-11.75	3.35 H	0	27.10	15.15
7	#17100.00	56.82 PK	68.20	-11.38	1.52 H	0	35.77	21.05

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	98.05 PK			2.01 V	125	91.02	7.03
2	*5700.00	88.45 AV			2.01 V	125	81.42	7.03
3	#5725.00	50.00 PK	68.20	-18.20	1.43 V	125	42.90	7.10
4	#5730.00	49.68 PK	68.20	-18.52	1.23 V	125	42.57	7.11
5	11400.00	54.02 PK	74.00	-19.98	1.42 V	0	38.87	15.15
6	11400.00	42.28 AV	54.00	-11.72	1.42 V	0	27.13	15.15
7	#17100.00	56.91 PK	68.20	-11.29	1.48 V	0	35.86	21.05

REMARKS:

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

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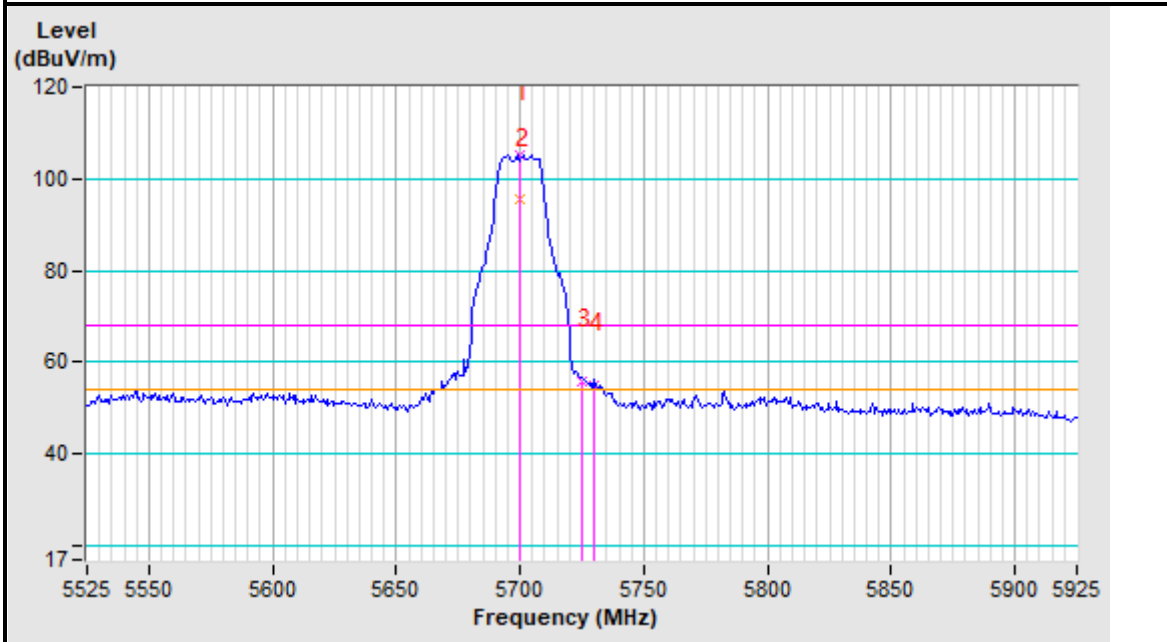


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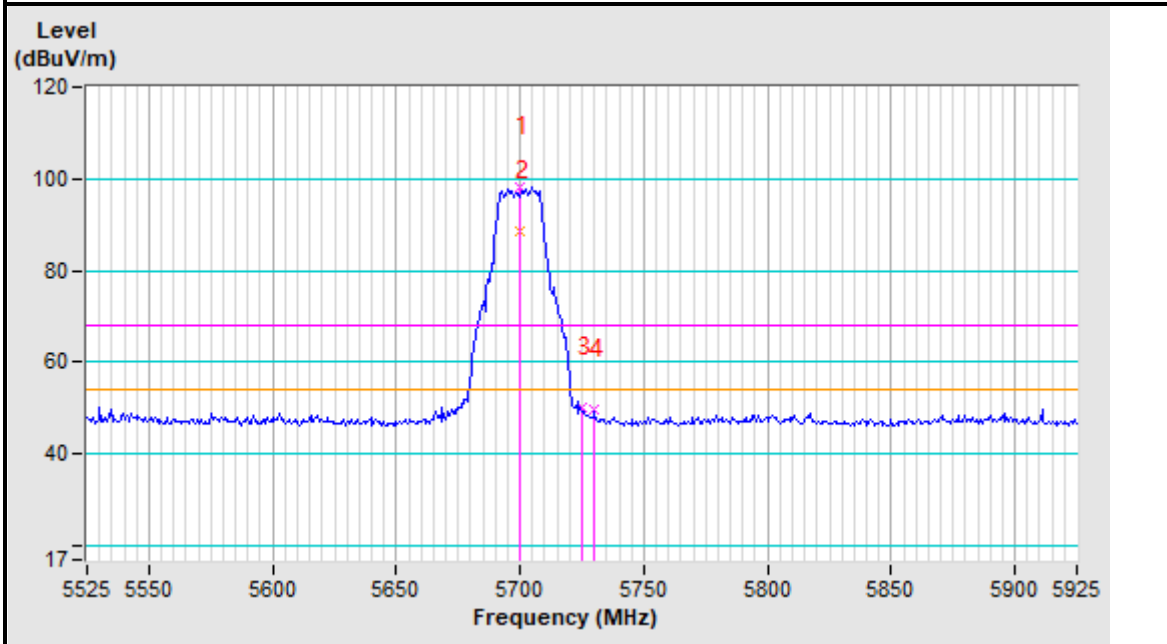
Test Report No.: RF2201WDG0200-4

Band edge Plot

5700MHz Horizontal



5700MHz Vertical



802.11n(HT40)

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	#5465.00	56.00 PK	68.20	-12.20	3.18 H	125	49.62	6.38
2	#5470.00	58.00 PK	68.20	-10.20	3.23 H	125	51.62	6.38
3	*5510.00	103.34 PK			2.33 H	125	96.87	6.47
4	*5510.00	93.21 AV			2.33 H	125	86.74	6.47
5	11020.00	54.36 PK	74.00	-19.64	1.62 H	0	39.97	14.39
6	11020.00	43.88 AV	54.00	-10.12	1.62 H	0	29.49	14.39
7	#16530.00	56.44 PK	68.20	-11.76	3.00 H	0	36.28	20.16

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5465.00	49.20 PK	68.20	-19.00	1.85 V	125	42.82	6.38
2	#5470.00	49.66 PK	68.20	-18.54	1.02 V	125	43.28	6.38
3	*5510.00	94.56 PK			1.70 V	125	88.09	6.47
4	*5510.00	84.25 AV			1.70 V	125	77.78	6.47
5	11020.00	54.55 PK	74.00	-19.45	1.73 V	0	40.16	14.39
6	11020.00	41.00 AV	54.00	-13.00	1.73 V	0	26.61	14.39
7	#16530.00	57.54 PK	68.20	-10.66	1.81 V	0	37.38	20.16

REMARKS:

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

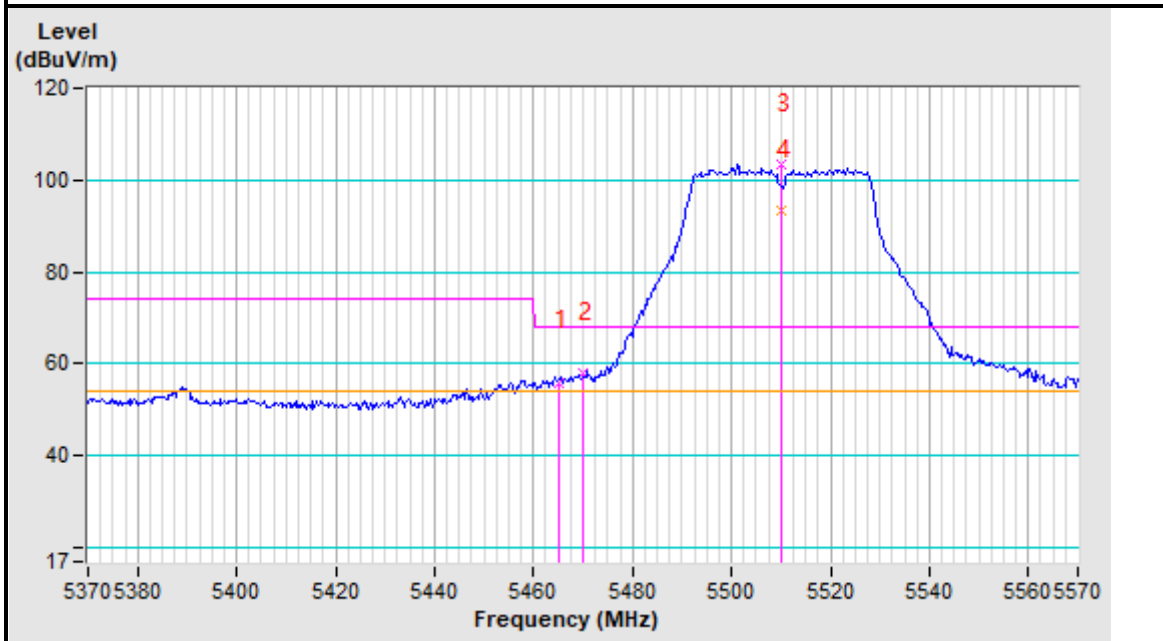


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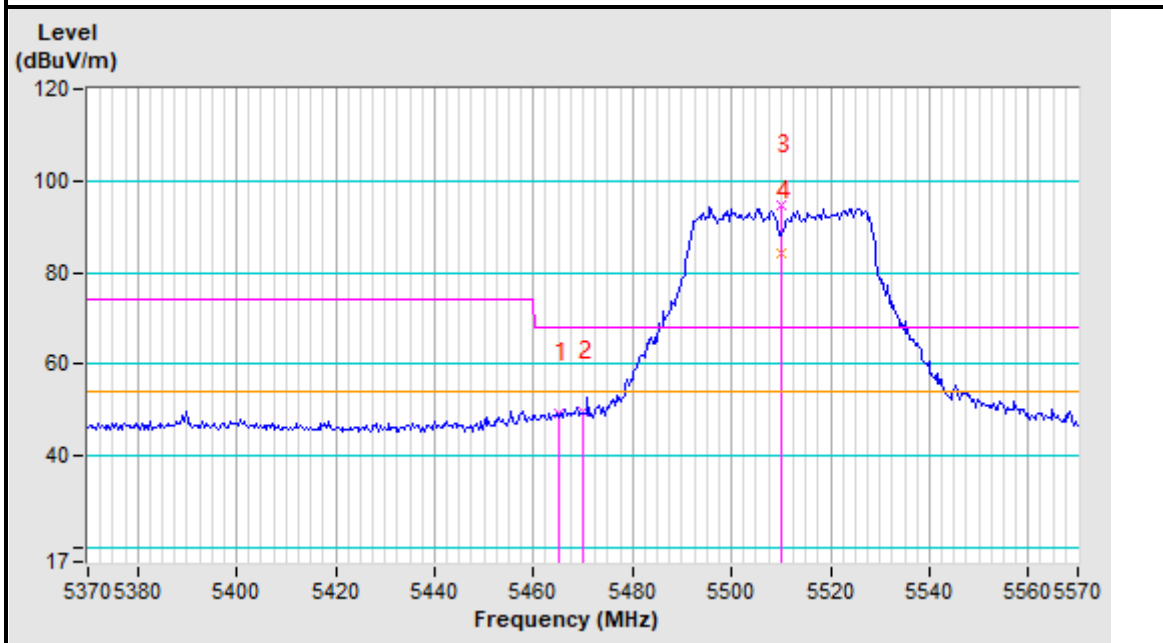
Test Report No.: RF2201WDG0200-4

Band edge Plot

5510MHz Horizontal



5510MHz Vertical





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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	53.12 PK	68.20	-15.08	1.90 H	125	46.74	6.38
2	*5550.00	103.29 PK			3.16 H	125	96.71	6.58
3	*5550.00	93.55 AV			3.16 H	125	86.97	6.58
4	11100.00	52.36 PK	74.00	-21.64	2.89 H	0	37.81	14.55
5	11100.00	44.25 AV	54.00	-9.75	2.89 H	0	29.70	14.55
6	#16650.00	57.88 PK	68.20	-10.32	1.63 H	0	37.49	20.39

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	53.45 PK	68.20	-14.75	1.95 V	125	47.07	6.38
2	*5550.00	94.56 PK			2.11 V	125	87.98	6.58
3	*5550.00	84.36 AV			2.11 V	125	77.78	6.58
4	11100.00	52.00 PK	74.00	-22.00	1.53 V	0	37.45	14.55
5	11100.00	44.17 AV	54.00	-9.83	1.53 V	0	29.62	14.55
6	#16650.00	57.82 PK	68.20	-10.38	1.46 V	0	37.43	20.39

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were 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	103.58 PK			1.73 H	125	96.65	6.93
2	*5670.00	95.21 AV			1.73 H	125	88.28	6.93
3	#5725.00	55.00 PK	68.20	-13.20	2.64 H	125	47.90	7.10
4	#5730.00	55.21 PK	68.20	-12.99	2.15 H	125	48.10	7.11
5	11340.00	54.18 PK	74.00	-19.82	2.08 H	0	39.16	15.02
6	11340.00	43.44 AV	54.00	-10.56	2.08 H	0	28.42	15.02
7	#17010.00	56.82 PK	68.20	-11.38	3.30 H	0	35.79	21.03
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	96.35 PK			2.29 V	125	89.42	6.93
2	*5670.00	85.35 AV			2.29 V	125	78.42	6.93
3	#5725.00	48.36 PK	68.20	-19.84	2.05 V	125	41.26	7.10
4	#5730.00	48.00 PK	68.20	-20.20	2.24 V	125	40.89	7.11
5	11340.00	54.21 PK	74.00	-19.79	2.21 V	0	39.19	15.02
6	11340.00	42.31 AV	54.00	-11.69	2.21 V	0	27.29	15.02
7	#17010.00	56.44 PK	68.20	-11.76	2.00 V	0	35.41	21.03

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.

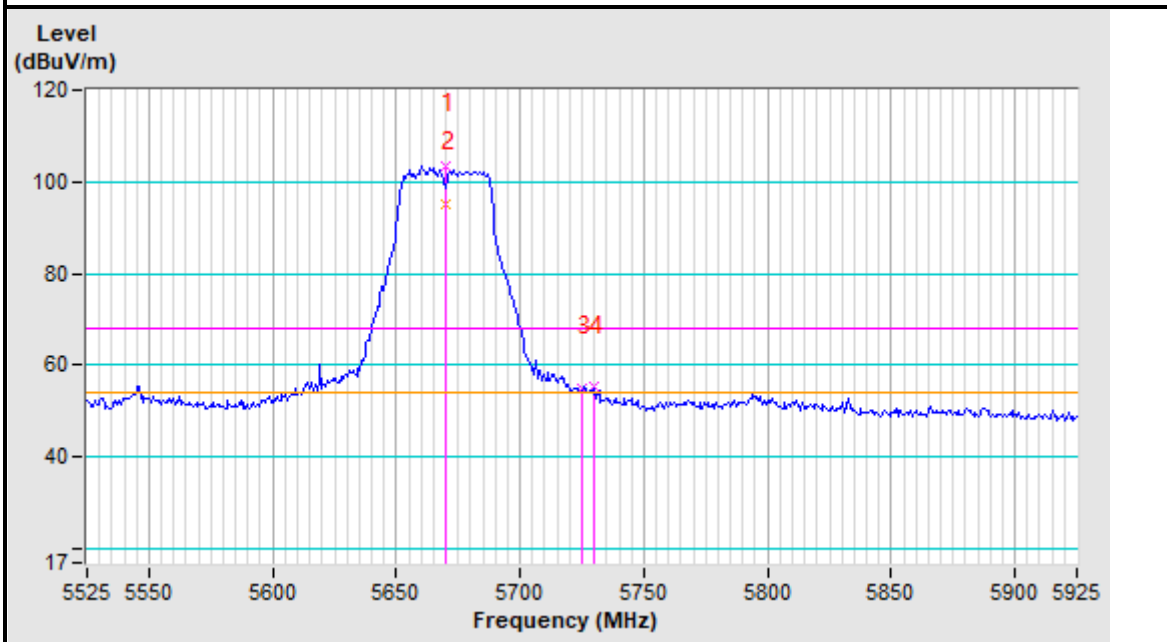


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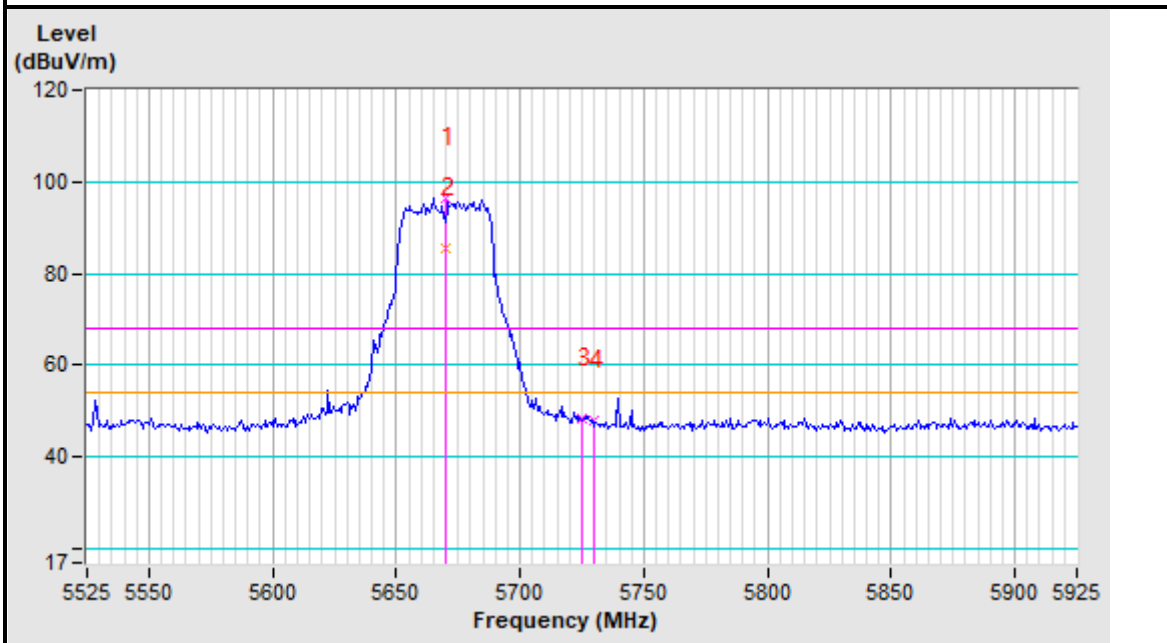
Test Report No.: RF2201WDG0200-4

Band edge Plot

5670MHz Horizontal



5670MHz Vertical





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Test Report No.: RF2201WDG0200-4

802.11ax(HE20)

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	#5465.00	56.00 PK	68.20	-12.20	2.07 H	124	49.62	6.38
2	#5470.00	61.00 PK	68.20	-7.20	3.02 H	124	54.62	6.38
3	*5500.00	107.92 PK			2.68 H	124	101.48	6.44
4	*5500.00	97.35 AV			2.68 H	124	90.91	6.44
5	11000.00	53.14 PK	74.00	-20.86	2.07 H	0	38.78	14.36
6	11000.00	43.00 AV	54.00	-11.00	2.07 H	0	28.64	14.36
7	#16500.00	54.86 PK	68.20	-13.34	2.46 H	0	34.75	20.11
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5465.00	49.87 PK	68.20	-18.33	1.72 V	124	43.49	6.38
2	#5470.00	50.00 PK	68.20	-18.20	2.15 V	124	43.62	6.38
3	*5500.00	100.63 PK			1.80 V	124	94.19	6.44
4	*5500.00	90.25 AV			1.80 V	124	83.81	6.44
5	11000.00	52.81 PK	74.00	-21.19	1.97 V	0	38.45	14.36
6	11000.00	43.02 AV	54.00	-10.98	1.97 V	0	28.66	14.36
7	#16500.00	54.51 PK	68.20	-13.69	2.15 V	0	34.40	20.11

REMARKS:

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.

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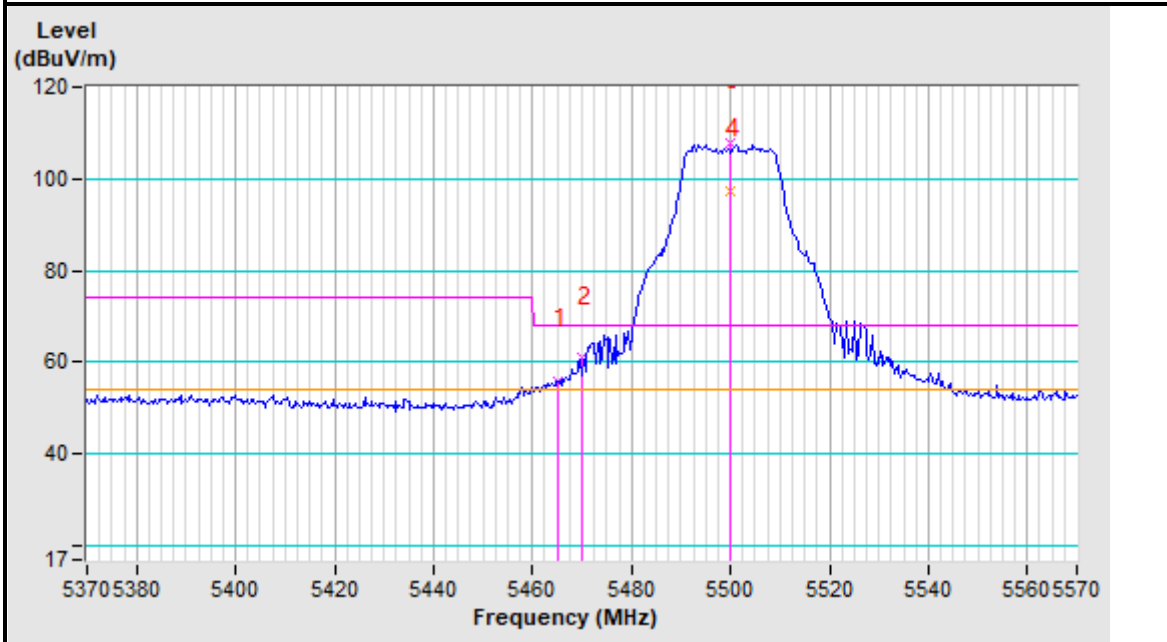


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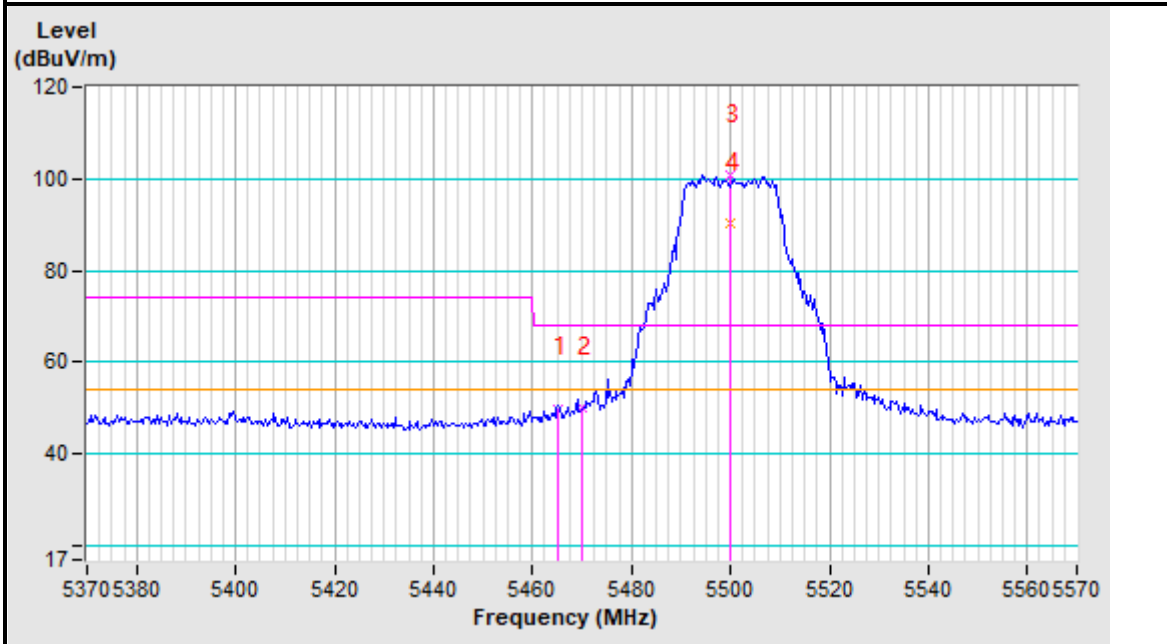
Test Report No.: RF2201WDG0200-4

Band edge Plot

5500MHz Horizontal



5500MHz Vertical





BUREAU VERITAS

Test Report No.: RF2201WDG0200-4

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	56.84 PK	68.20	-11.36	2.46 H	125	50.46	6.38
2	*5580.00	108.32 PK			2.63 H	125	101.64	6.68
3	*5580.00	98.57 AV			2.63 H	125	91.89	6.68
4	11160.00	53.47 PK	74.00	-20.53	1.54 H	0	38.79	14.68
5	11160.00	43.62 AV	54.00	-10.38	1.54 H	0	28.94	14.68
6	#16740.00	55.37 PK	68.20	-12.83	2.19 H	0	34.81	20.56

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.12 PK	68.20	-11.08	2.14 V	125	50.74	6.38
2	*5580.00	100.21 PK			2.16 V	125	93.53	6.68
3	*5580.00	90.53 AV			2.16 V	125	83.85	6.68
4	11160.00	53.35 PK	74.00	-20.65	1.56 V	0	38.67	14.68
5	11160.00	42.14 AV	54.00	-11.86	1.56 V	0	27.46	14.68
6	#16740.00	55.85 PK	68.20	-12.35	1.42 V	0	35.29	20.56

REMARKS:

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



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Test Report No.: RF2201WDG0200-4

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	106.75 PK			3.27 H	125	99.72	7.03
2	*5700.00	98.32 AV			3.27 H	125	91.29	7.03
3	#5725.00	64.35 PK	68.20	-3.85	2.44 H	125	57.25	7.10
4	#5730.00	56.32 PK	68.20	-11.88	2.87 H	125	49.21	7.11
5	11400.00	53.42 PK	74.00	-20.58	2.59 H	0	38.27	15.15
6	11400.00	42.18 AV	54.00	-11.82	2.59 H	0	27.03	15.15
7	#17100.00	56.75 PK	68.20	-11.45	2.45 H	0	35.70	21.05

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (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	100.09 PK			1.65 V	125	93.06	7.03
2	*5700.00	90.86 AV			1.65 V	125	83.83	7.03
3	#5725.00	50.00 PK	68.20	-18.20	1.98 V	125	42.90	7.10
4	#5730.00	49.41 PK	68.20	-18.79	1.79 V	125	42.30	7.11
5	11400.00	53.55 PK	74.00	-20.45	2.02 V	0	38.40	15.15
6	11400.00	42.52 AV	54.00	-11.48	2.02 V	0	27.37	15.15
7	#17100.00	56.26 PK	68.20	-11.94	2.23 V	0	35.21	21.05

REMARKS:

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

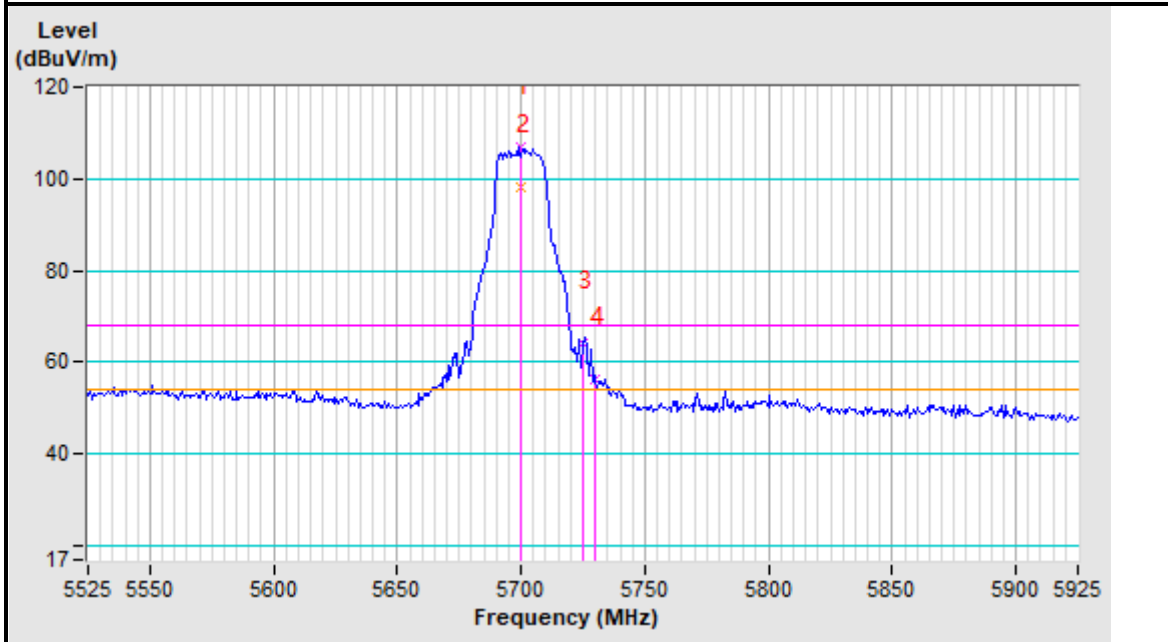


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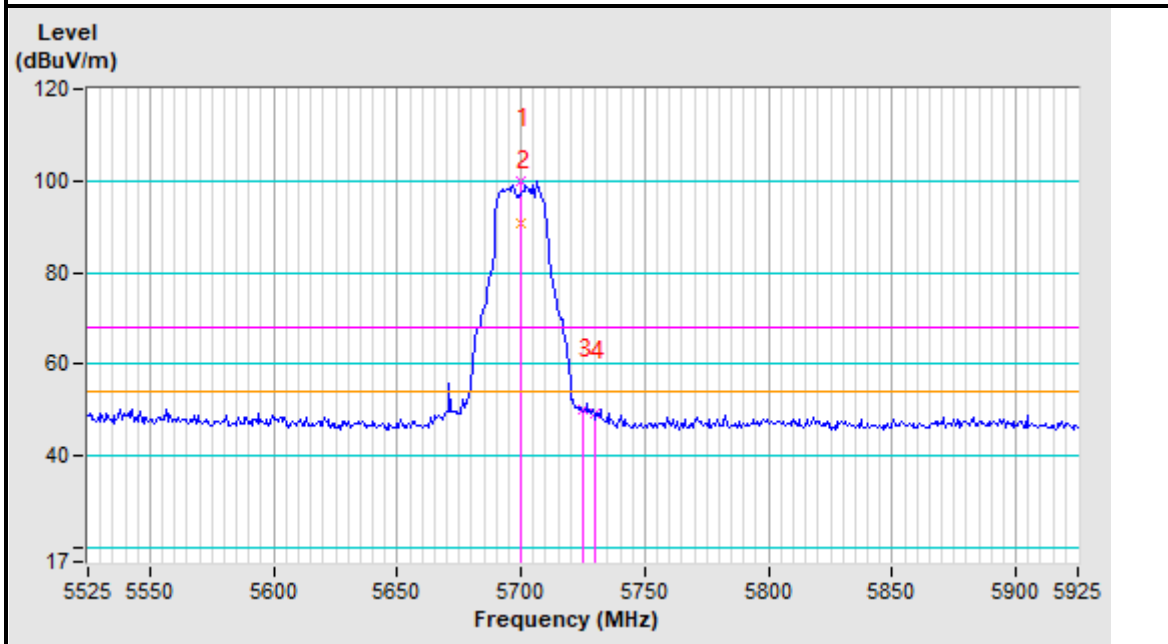
Test Report No.: RF2201WDG0200-4

Band edge Plot

5700MHz Horizontal



5700MHz Vertical



802.11ax(HE40)

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	#5465.00	58.00 PK	68.20	-10.20	2.36 H	125	51.62	6.38
2	#5470.00	60.00 PK	68.20	-8.20	2.05 H	125	53.62	6.38
3	*5510.00	105.08 PK			3.24 H	125	98.61	6.47
4	*5510.00	83.67 AV			3.24 H	125	77.20	6.47
5	11020.00	53.67 PK	74.00	-20.33	2.56 H	0	39.28	14.39
6	11020.00	42.81 AV	54.00	-11.19	2.56 H	0	28.42	14.39
7	#16530.00	57.52 PK	68.20	-10.68	2.34 H	0	37.36	20.16

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5465.00	48.00 PK	68.20	-20.20	2.04 V	152	41.62	6.38
2	#5470.00	48.00 PK	68.20	-20.20	1.79 V	152	41.62	6.38
3	*5510.00	94.30 PK			1.75 V	152	87.83	6.47
4	*5510.00	70.00 AV			1.75 V	152	63.53	6.47
5	11020.00	54.83 PK	74.00	-19.17	2.17 V	0	40.44	14.39
6	11020.00	42.25 AV	54.00	-11.75	2.17 V	0	27.86	14.39
7	#16530.00	57.33 PK	68.20	-10.87	2.25 V	0	37.17	20.16

REMARKS:

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

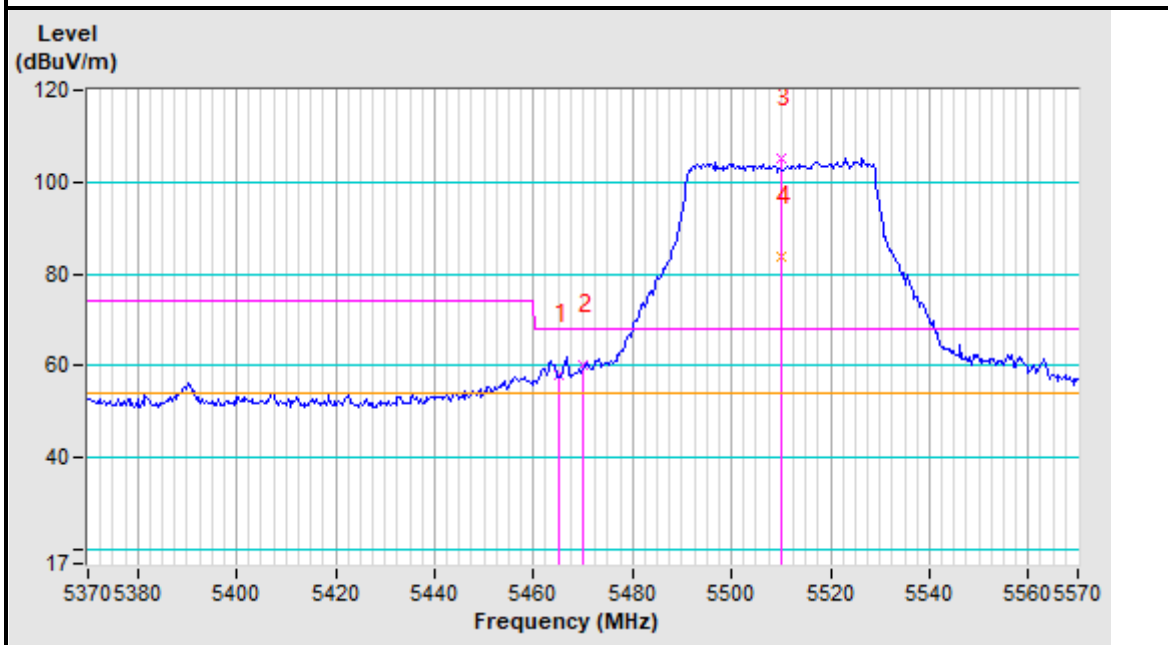


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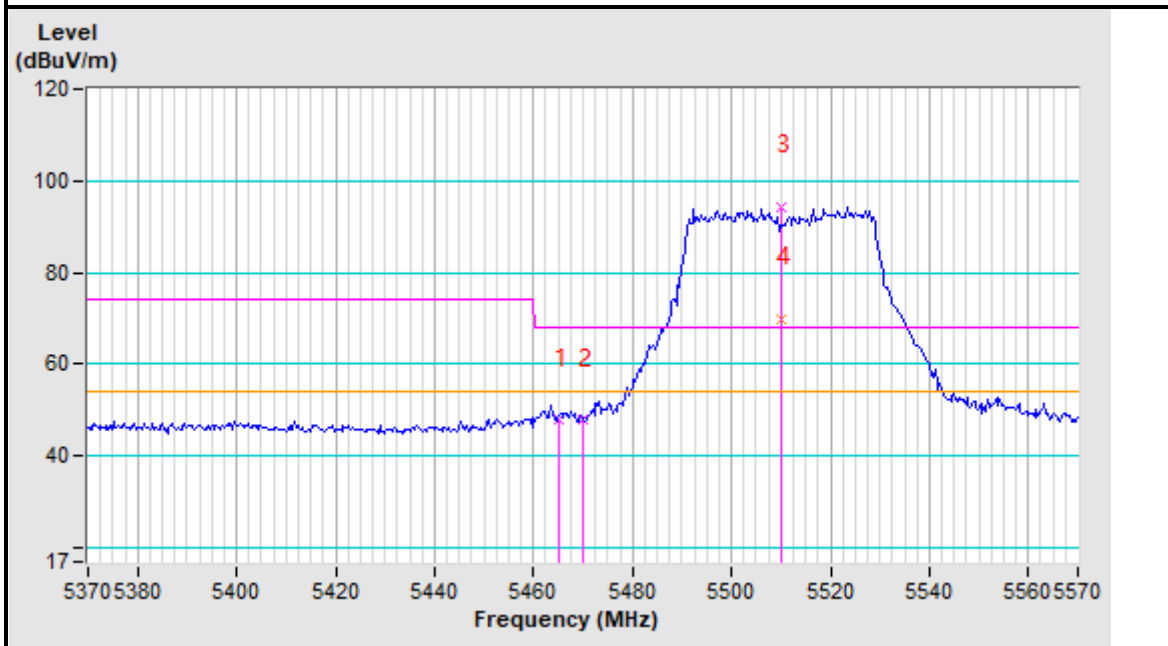
Test Report No.: RF2201WDG0200-4

Band edge Plot

5510MHz Horizontal



5510MHz Vertical





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Test Report No.: RF2201WDG0200-4

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	54.56 PK	68.20	-13.64	2.20 H	125	48.18	6.38
2	*5550.00	105.25 PK			2.67 H	125	98.67	6.58
3	*5550.00	85.44 AV			2.67 H	125	78.86	6.58
4	11100.00	53.54 PK	74.00	-20.46	1.87 H	0	38.99	14.55
5	11100.00	43.12 AV	54.00	-10.88	1.87 H	0	28.57	14.55
6	#16650.00	56.21 PK	68.20	-11.99	2.30 H	0	35.82	20.39

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	53.26 PK	68.20	-14.94	1.65 V	125	46.88	6.38
2	*5550.00	95.63 PK			1.99 V	125	89.05	6.58
3	*5550.00	75.36 AV			1.99 V	125	68.78	6.58
4	11100.00	53.84 PK	74.00	-20.16	1.80 V	0	39.29	14.55
5	11100.00	42.88 AV	54.00	-11.12	1.80 V	0	28.33	14.55
6	#16650.00	54.68 PK	68.20	-13.52	1.58 V	0	34.29	20.39

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
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.: RF2201WDG0200-4

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	104.00 PK			3.35 H	125	97.07	6.93
2	*5670.00	84.00 AV			3.35 H	125	77.07	6.93
3	#5725.00	57.00 PK	68.20	-11.20	1.92 H	125	49.90	7.10
4	#5730.00	55.65 PK	68.20	-12.55	2.96 H	125	48.54	7.11
5	11340.00	54.21 PK	74.00	-19.79	3.12 H	0	39.19	15.02
6	11340.00	42.65 AV	54.00	-11.35	3.12 H	0	27.63	15.02
7	#17010.00	56.34 PK	68.20	-11.86	1.67 H	0	35.31	21.03

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	96.00 PK			1.62 V	125	89.07	6.93
2	*5670.00	75.46 AV			1.62 V	125	68.53	6.93
3	#5725.00	50.00 PK	68.20	-18.20	2.22 V	125	42.90	7.10
4	#5730.00	49.00 PK	68.20	-19.20	1.70 V	125	41.89	7.11
5	11340.00	54.36 PK	74.00	-19.64	2.07 V	0	39.34	15.02
6	11340.00	43.00 AV	54.00	-11.00	2.07 V	0	27.98	15.02
7	#17010.00	56.86 PK	68.20	-11.34	1.45 V	0	35.83	21.03

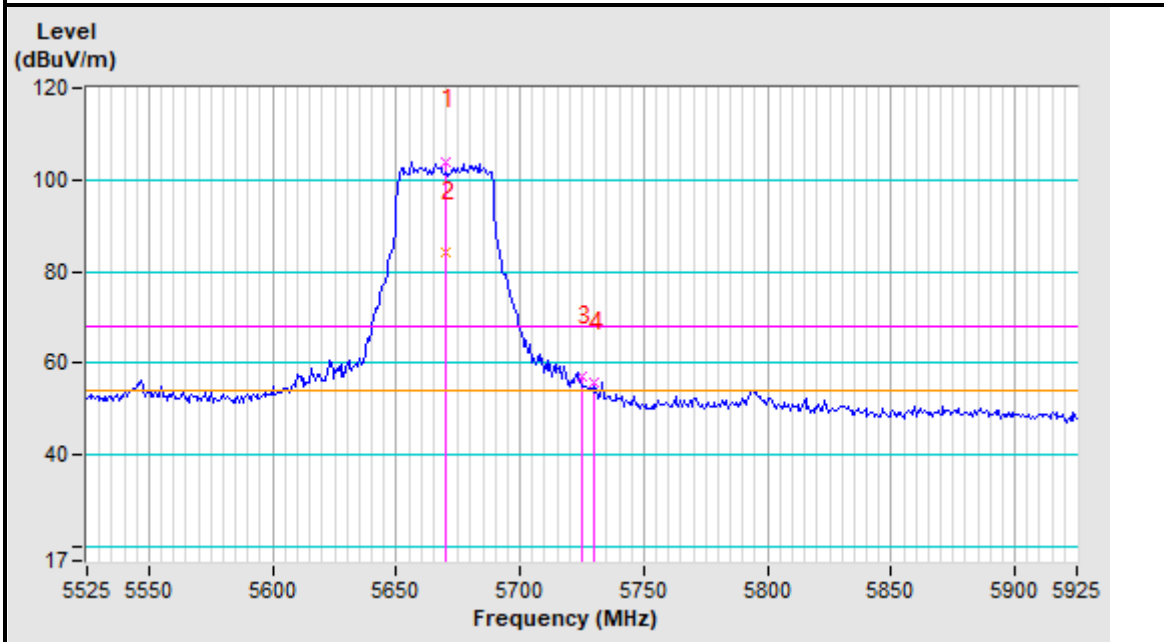
REMARKS:

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.

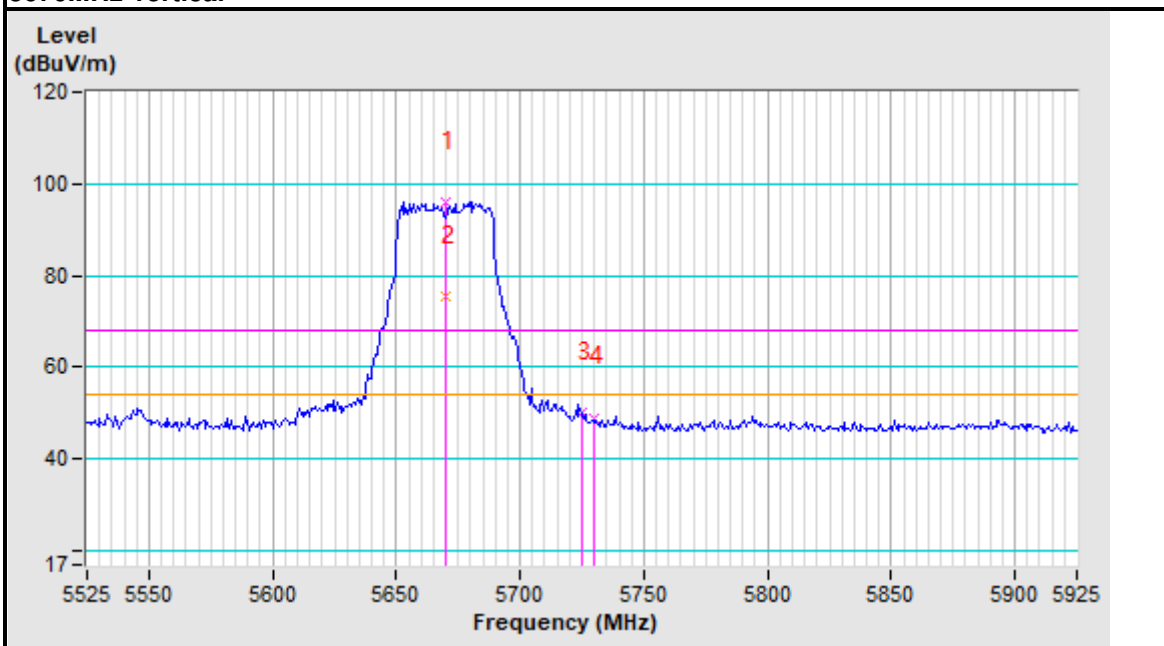


Band edge Plot

5670MHz Horizontal



5670MHz Vertical





BUREAU VERITAS

Test Report No.: RF2201WDG0200-4

Band 4 (5725-5850MHz):

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	#5712.86	67.39 PK	108.80	-41.41	2.72 H	0	60.33	7.06
2	#5718.75	71.39 PK	110.45	-39.06	2.02 H	0	64.32	7.07
3	#5725.00	78.92 PK	122.20	-43.28	2.03 H	125	71.82	7.10
4	*5745.00	108.24 PK			2.91 H	125	101.08	7.16
5	*5745.00	98.33 AV			2.91 H	125	91.17	7.16
6	11490.00	54.12 PK	74.00	-19.88	2.54 H	0	38.80	15.32
7	11490.00	42.52 AV	54.00	-11.48	2.54 H	0	27.20	15.32
8	#17235.00	57.02 PK	68.20	-11.18	1.58 H	0	35.95	21.07

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5713.70	64.45 PK	109.04	-44.59	1.80 V	0	57.39	7.06
2	#5718.75	66.96 PK	110.45	-43.49	2.23 V	0	59.89	7.07
3	#5725.00	76.35 PK	122.20	-45.85	2.26 V	0	69.25	7.10
4	*5745.00	106.85 PK			1.66 V	125	99.69	7.16
5	*5745.00	96.35 AV			1.66 V	125	89.19	7.16
6	11490.00	53.67 PK	74.00	-20.33	1.45 V	0	38.35	15.32
7	11490.00	43.21 AV	54.00	-10.79	1.45 V	0	27.89	15.32
8	#17235.00	56.84 PK	68.20	-11.36	1.86 V	0	35.77	21.07

REMARKS:

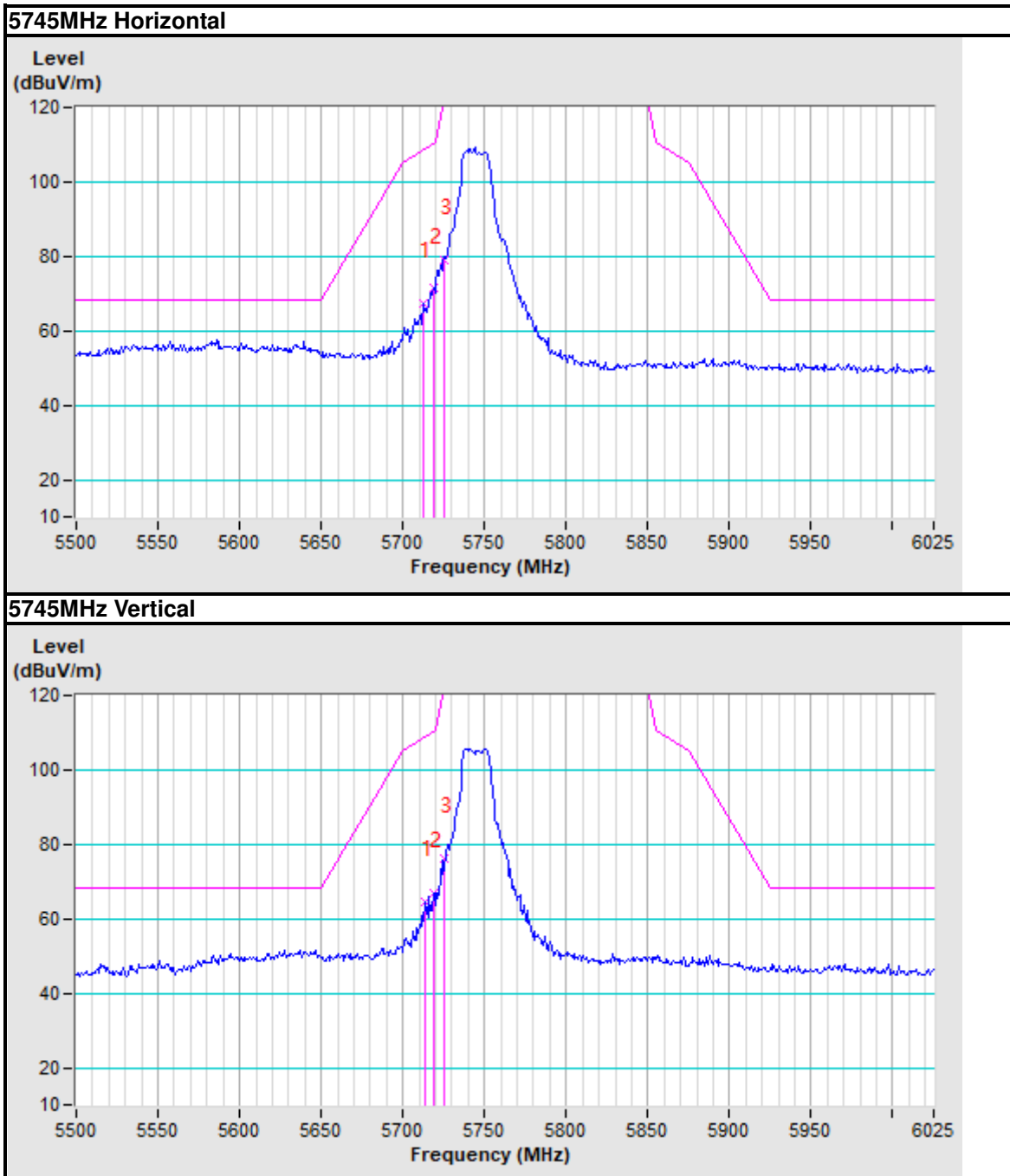
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.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



BUREAU
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Test Report No.: RF2201WDG0200-4

Band edge Plot





**BUREAU
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Test Report No.: RF2201WDG0200-4

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	#5712.86	54.15 PK	108.80	-54.65	2.92 H	0	47.09	7.06
2	*5785.00	108.31 PK			1.55 H	125	101.04	7.27
3	*5785.00	98.52 AV			1.55 H	125	91.25	7.27
4	#5863.46	53.05 PK	108.43	-55.38	2.03 H	0	45.54	7.51
5	#5897.96	52.79 PK	88.17	-35.38	3.29 H	0	45.19	7.60
6	11570.00	56.37 PK	74.00	-17.63	2.74 H	0	40.85	15.52
7	11570.00	42.39 AV	54.00	-11.61	2.74 H	0	26.87	15.52
8	#17355.00	57.84 PK	68.20	-10.36	2.30 H	0	36.75	21.09
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	#5686.78	55.90 PK	95.45	-39.55	2.04 V	0	48.91	6.99
2	#5705.29	54.26 PK	106.68	-52.42	1.78 V	0	47.22	7.04
3	*5785.00	106.27 PK			2.08 V	125	99.00	7.27
4	*5785.00	96.55 AV			2.08 V	125	89.28	7.27
5	#5860.94	52.02 PK	109.14	-57.12	1.89 V	0	44.53	7.49
6	11570.00	55.37 PK	74.00	-18.63	1.84 V	0	39.85	15.52
7	11570.00	43.47 AV	54.00	-10.53	1.84 V	0	27.95	15.52
8	#17355.00	57.44 PK	68.20	-10.76	1.47 V	0	36.35	21.09

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.

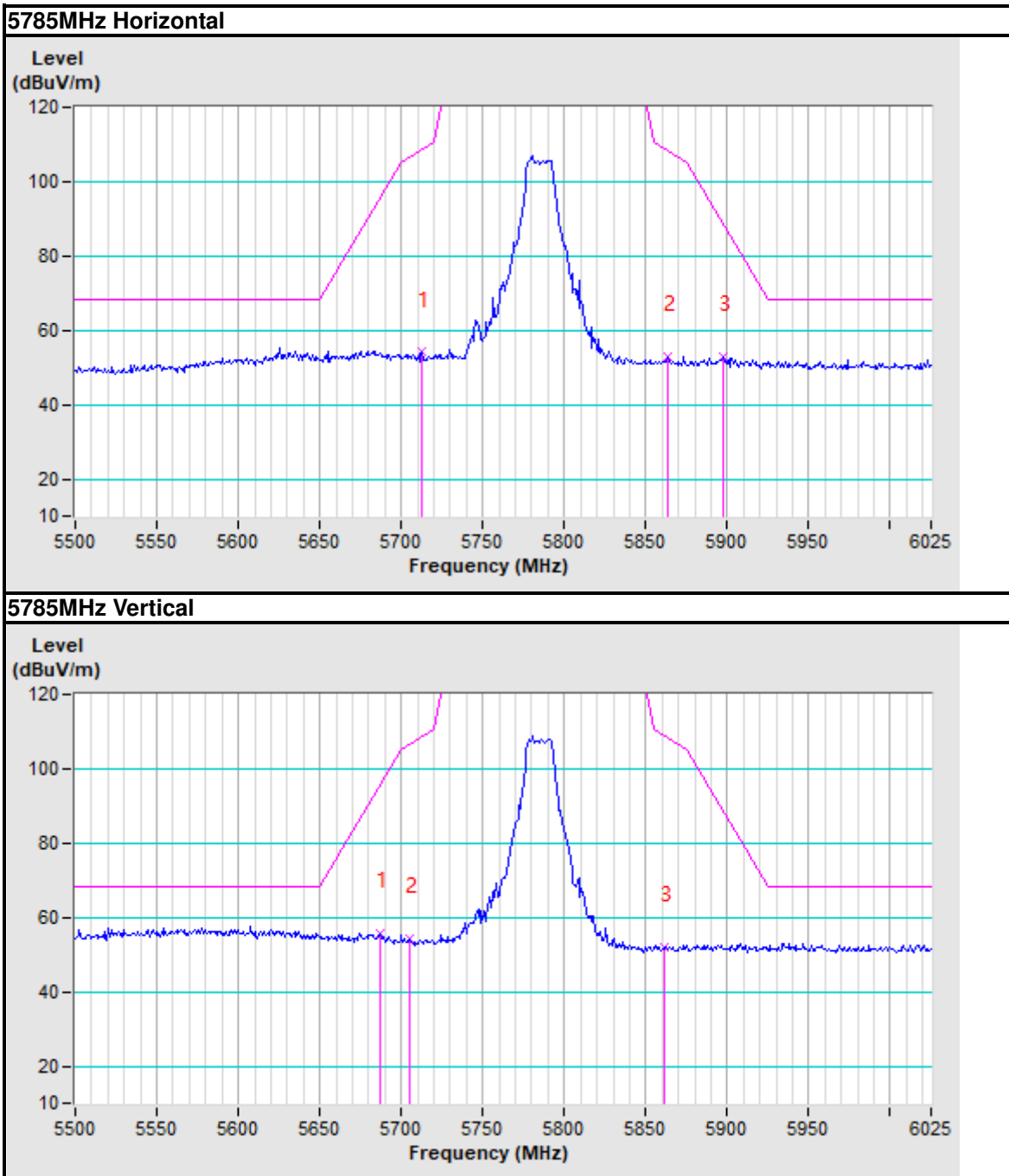
**Bureau Veritas Shenzhen Co., Ltd.
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Band edge Plot





BUREAU VERITAS

Test Report No.: RF2201WDG0200-4

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	#5696.03	55.31 PK	102.28	-46.97	2.52 H	0	48.30	7.01
2	*5825.00	108.45 PK			2.32 H	125	101.06	7.39
3	*5825.00	98.50 AV			2.32 H	125	91.11	7.39
4	#5850.00	61.76 PK	122.20	-60.44	1.51 H	0	54.30	7.46
5	#5872.72	52.53 PK	105.84	-53.31	2.16 H	0	45.00	7.53
6	11650.00	53.67 PK	74.00	-20.33	1.97 H	0	37.94	15.73
7	11650.00	43.52 AV	54.00	-10.48	1.97 H	0	27.79	15.73
8	#17475.00	57.11 PK	68.20	-11.09	1.74 H	0	36.00	21.11

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5696.87	56.72 PK	102.90	-46.18	2.24 V	0	49.70	7.02
2	*5825.00	106.09 PK			1.92 V	125	98.70	7.39
3	*5825.00	96.22 AV			1.92 V	125	88.83	7.39
4	#5850.00	59.80 PK	122.20	-62.40	1.93 V	0	52.34	7.46
5	#5866.83	53.09 PK	107.49	-54.40	1.49 V	0	45.58	7.51
6	11650.00	54.00 PK	74.00	-20.00	2.12 V	0	38.27	15.73
7	11650.00	43.01 AV	54.00	-10.99	2.12 V	0	27.28	15.73
8	#17475.00	57.64 PK	68.20	-10.56	2.24 V	0	36.53	21.11

REMARKS:

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.

Bureau Veritas Shenzhen Co., Ltd.
Dongguan Branch

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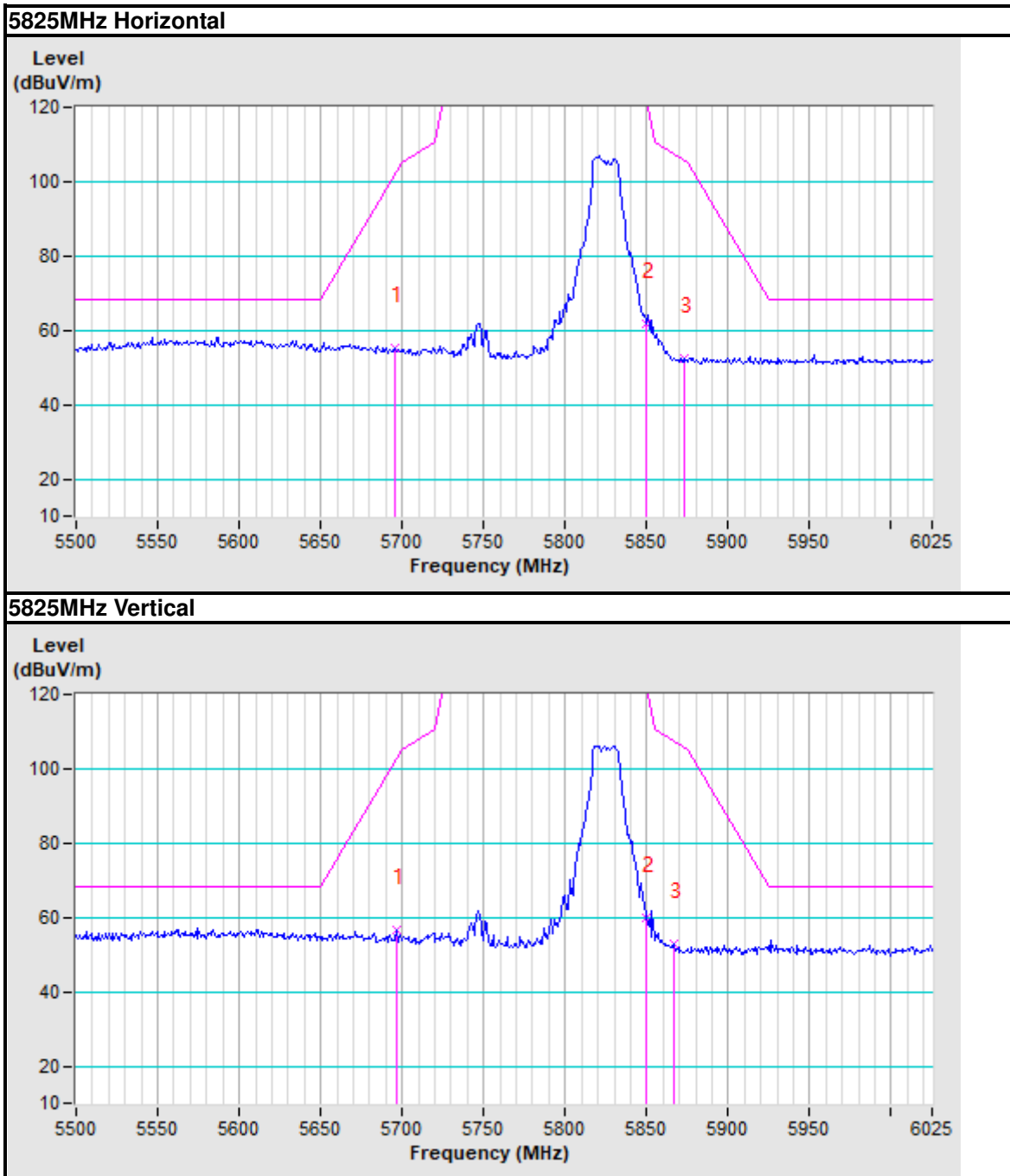
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Test Report No.: RF2201WDG0200-4

Band edge Plot



802.11n(HT20)

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	#5715.38	56.14 PK	109.51	-53.37	1.82 H	0	49.07	7.07
2	#5725.00	65.00 PK	122.20	-57.20	2.29 H	0	57.90	7.10
3	*5745.00	105.32 PK			2.90 H	125	98.16	7.16
4	*5745.00	95.66 AV			2.90 H	125	88.50	7.16
5	#5878.61	47.57 PK	102.52	-54.95	3.17 H	0	40.02	7.55
6	11490.00	53.87 PK	74.00	-20.13	2.41 H	0	38.55	15.32
7	11490.00	42.19 AV	54.00	-11.81	2.41 H	0	26.87	15.32
8	#17235.00	56.60 PK	68.20	-11.60	2.05 H	0	35.53	21.07

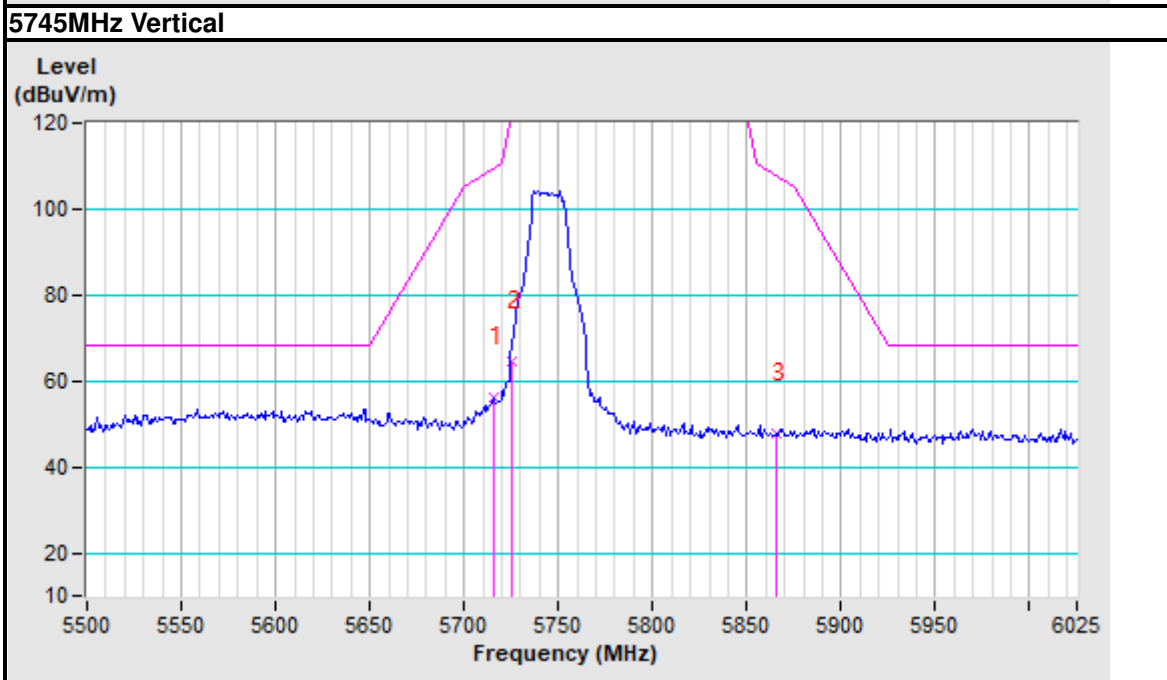
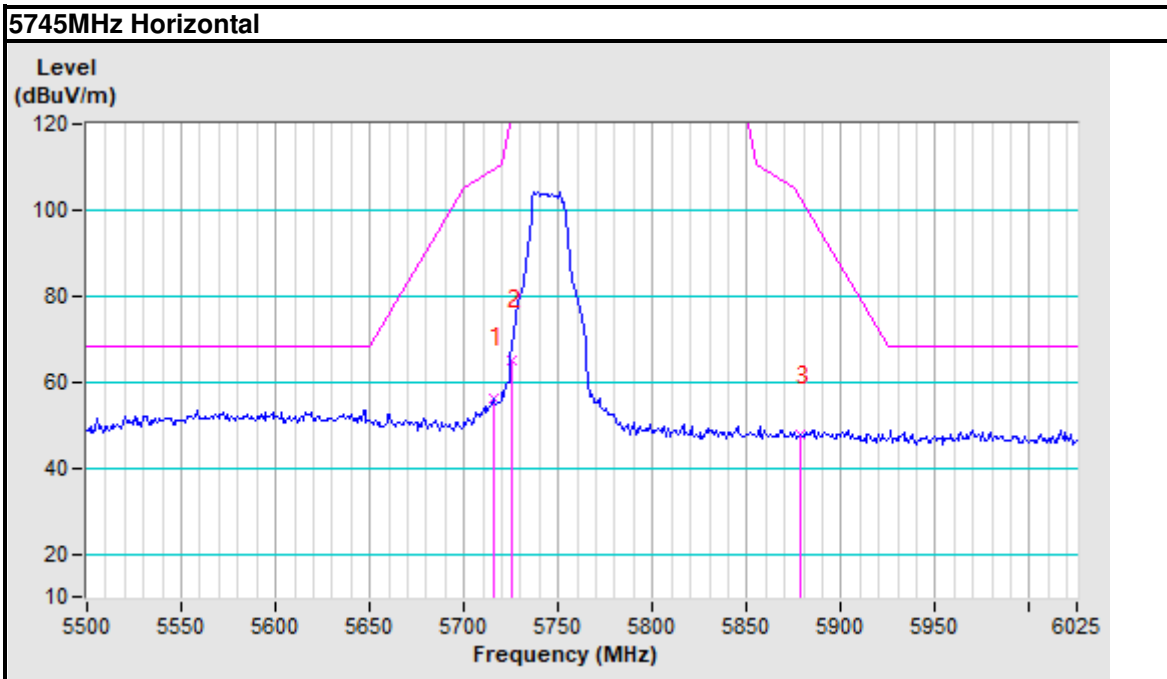
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.38	56.14 PK	109.51	-53.37	2.22 V	0	49.07	7.07
2	#5725.00	64.72 PK	122.20	-57.48	2.14 V	0	57.62	7.10
3	*5745.00	104.15 PK			1.63 V	125	96.99	7.16
4	*5745.00	95.86 AV			1.63 V	125	88.70	7.16
5	#5865.99	47.89 PK	107.72	-59.83	1.60 V	0	40.38	7.51
6	11490.00	54.36 PK	74.00	-19.64	1.58 V	0	39.04	15.32
7	11490.00	43.25 AV	54.00	-10.75	1.58 V	0	27.93	15.32
8	#17235.00	57.00 PK	68.20	-11.20	2.20 V	0	35.93	21.07

REMARKS:

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





BUREAU VERITAS

Test Report No.: RF2201WDG0200-4

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	#5687.62	53.05 PK	96.07	-43.02	3.06 H	0	46.06	6.99
2	#5699.40	52.60 PK	104.76	-52.16	3.00 H	0	45.58	7.02
3	*5785.00	105.00 PK			3.13 H	125	97.73	7.27
4	*5785.00	95.38 AV			3.13 H	125	88.11	7.27
5	#5859.25	48.38 PK	109.61	-61.23	1.94 H	0	40.89	7.49
6	11570.00	54.21 PK	74.00	-19.79	2.78 H	0	38.69	15.52
7	11570.00	43.25 AV	54.00	-10.75	2.78 H	0	27.73	15.52
8	#17355.00	57.03 PK	68.20	-11.17	3.00 H	0	35.94	21.09

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	#5690.99	51.22 PK	98.55	-47.33	1.47 V	0	44.22	7.00
2	*5785.00	104.24 PK			2.07 V	125	96.97	7.27
3	*5785.00	94.55 AV			2.07 V	125	87.28	7.27
4	#5856.73	49.12 PK	110.31	-61.19	1.94 V	0	41.64	7.48
5	#5870.19	51.30 PK	106.54	-55.24	2.15 V	0	43.78	7.52
6	11570.00	54.00 PK	74.00	-20.00	1.47 V	0	38.48	15.52
7	11570.00	42.65 AV	54.00	-11.35	1.47 V	0	27.13	15.52
8	#17355.00	56.87 PK	68.20	-11.33	2.27 V	0	35.78	21.09

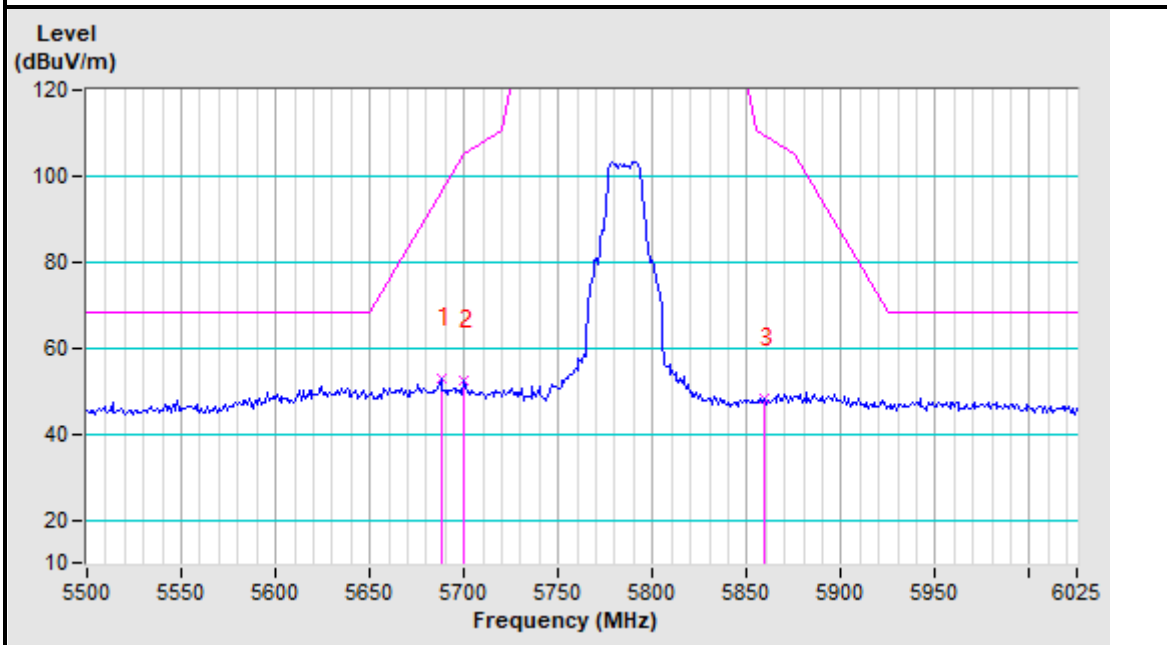
REMARKS:

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.

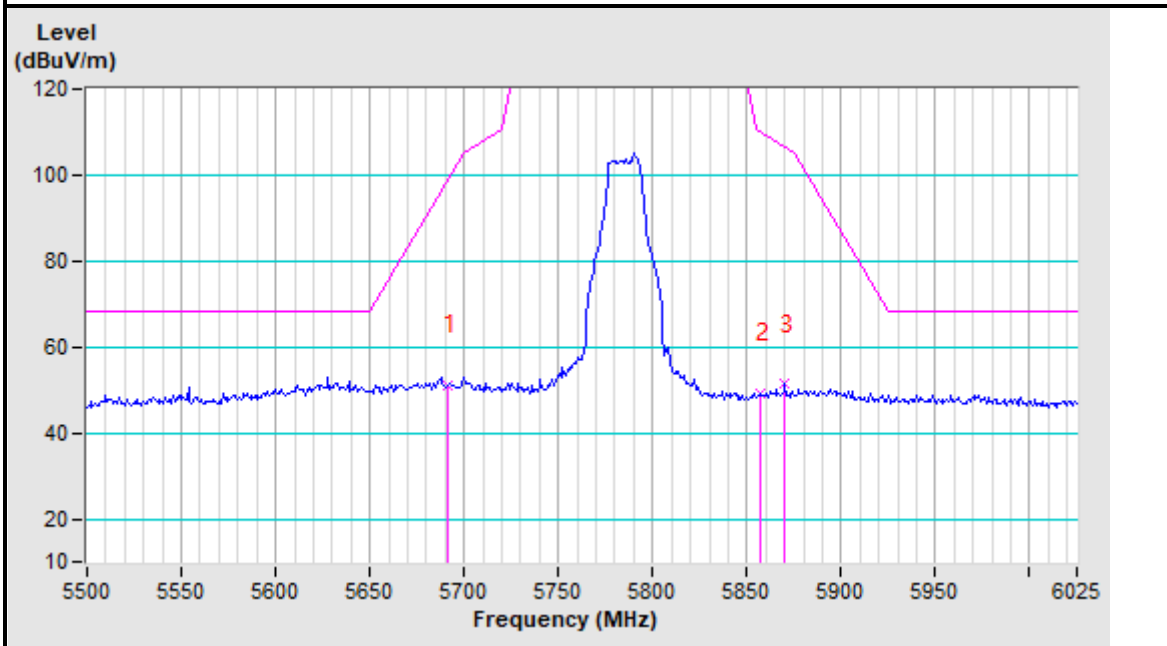


Band edge Plot

5785MHz Horizontal



5785MHz Vertical





BUREAU VERITAS

Test Report No.: RF2201WDG0200-4

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	#5727.16	54.67 PK	152.20	-97.53	2.41 H	0	47.57	7.10
2	#5739.78	54.11 PK	152.20	-98.09	2.17 H	0	46.97	7.14
3	*5825.00	105.36 PK			2.59 H	144	97.97	7.39
4	*5825.00	95.44 AV			2.59 H	144	88.05	7.39
5	#5850.00	52.67 PK	122.20	-69.53	1.59 H	0	45.21	7.46
6	11650.00	53.97 PK	74.00	-20.03	1.52 H	0	38.24	15.73
7	11650.00	43.00 AV	54.00	-11.00	1.52 H	0	27.27	15.73
8	#17475.00	57.68 PK	68.20	-10.52	1.63 H	0	36.57	21.11

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

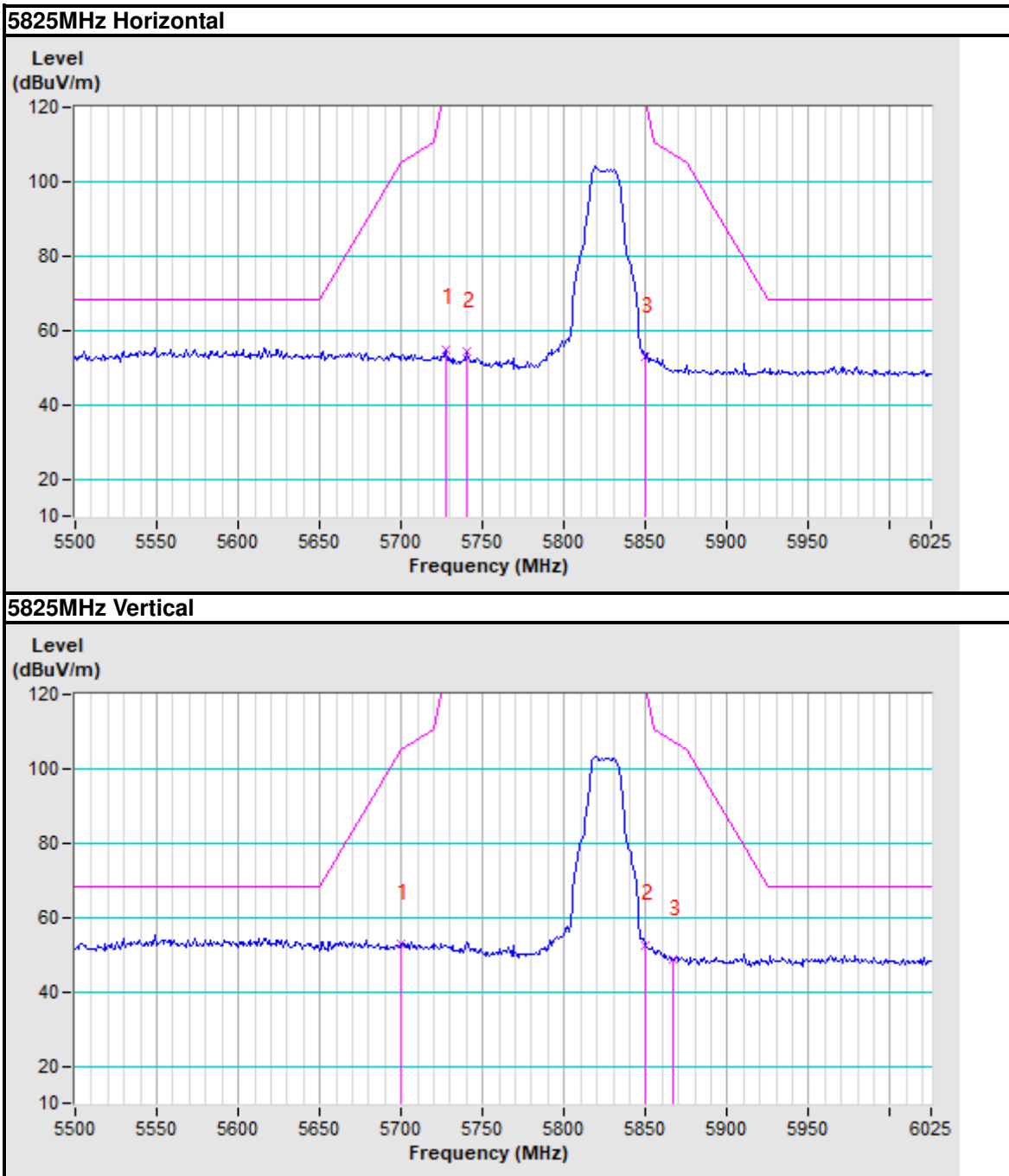
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5700.24	52.70 PK	105.27	-52.57	2.19 V	0	45.67	7.03
2	*5825.00	104.25 PK			2.11 V	144	96.86	7.39
3	*5825.00	93.25 AV			2.11 V	144	85.86	7.39
4	#5850.00	52.53 PK	122.20	-69.67	1.91 V	0	45.07	7.46
5	#5866.83	48.53 PK	107.49	-58.96	2.11 V	0	41.02	7.51
6	11650.00	54.87 PK	74.00	-19.13	1.42 V	0	39.14	15.73
7	11650.00	43.11 AV	54.00	-10.89	1.42 V	0	27.38	15.73
8	#17475.00	58.10 PK	68.20	-10.10	1.58 V	0	36.99	21.11

REMARKS:

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



802.11n(HT40)

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	#5702.76	57.10 PK	105.98	-48.88	1.86 H	0	50.07	7.03
2	#5725.00	68.50 PK	122.20	-53.70	2.03 H	0	61.40	7.10
3	*5755.00	104.12 PK			3.49 H	125	96.94	7.18
4	*5755.00	94.57 AV			3.49 H	125	87.39	7.18
5	#5881.13	51.33 PK	100.65	-49.32	3.06 H	0	43.78	7.55
6	11510.00	53.46 PK	74.00	-20.54	1.78 H	0	38.09	15.37
7	11510.00	43.14 AV	54.00	-10.86	1.78 H	0	27.77	15.37
8	#17265.00	55.36 PK	68.20	-12.84	2.83 H	0	34.29	21.07

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5697.72	55.96 PK	103.52	-47.56	1.87 V	0	48.94	7.02
2	#5725.00	67.22 PK	122.20	-54.98	1.73 V	0	60.12	7.10
3	*5755.00	101.38 PK			1.73 V	125	94.20	7.18
4	*5755.00	92.56 AV			1.42 V	125	85.38	7.18
5	#5867.67	47.73 PK	107.25	-59.52	1.81 V	0	40.22	7.51
6	11510.00	54.88 PK	74.00	-19.12	1.47 V	0	39.51	15.37
7	11510.00	42.20 AV	54.00	-11.80	1.47 V	0	26.83	15.37
8	#17265.00	54.69 PK	68.20	-13.51	2.20 V	0	33.62	21.07

REMARKS:

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

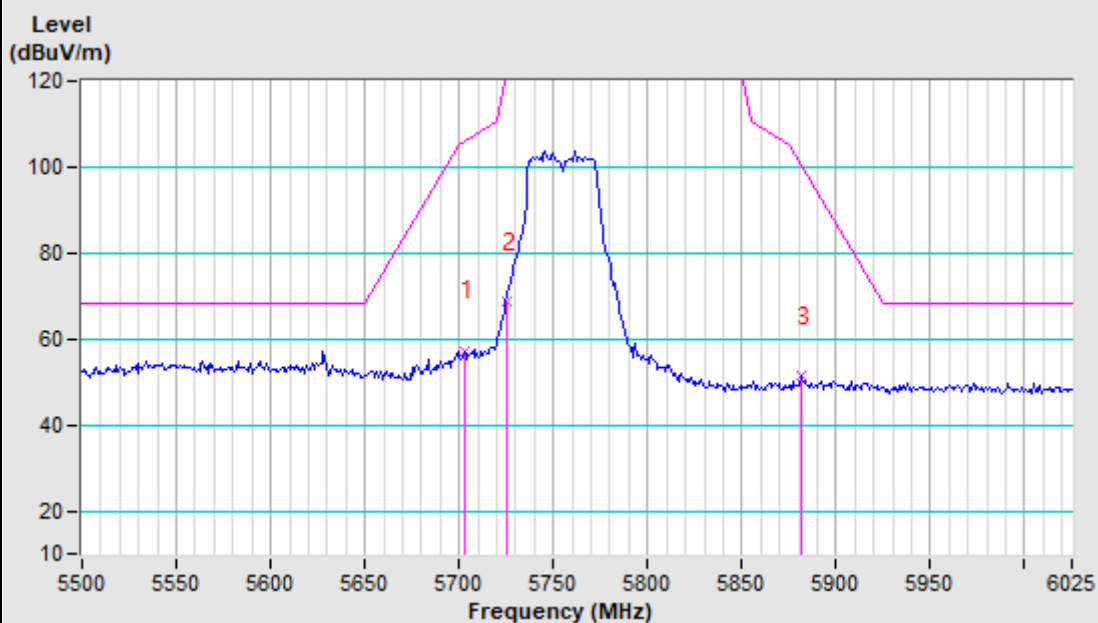


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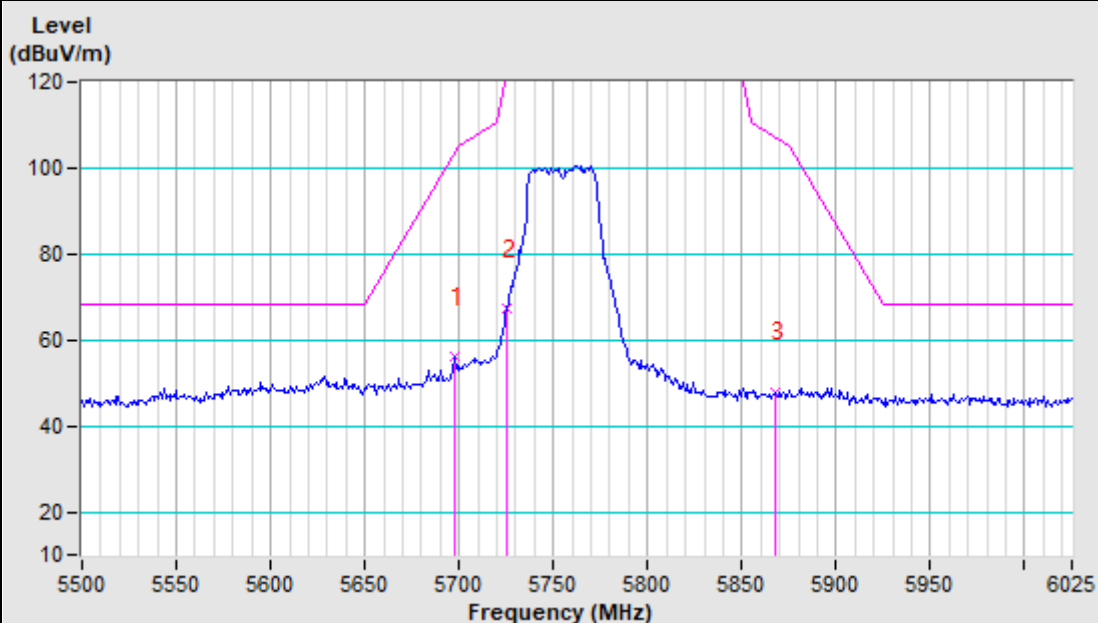
Test Report No.: RF2201WDG0200-4

Band edge Plot

5755MHz Horizontal



5755MHz Vertical





BUREAU VERITAS

Test Report No.: RF2201WDG0200-4

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	#5664.90	55.14 PK	79.26	-24.12	3.14 H	0	48.22	6.92
2	#5690.14	52.84 PK	97.93	-45.09	2.77 H	0	45.84	7.00
3	*5795.00	104.00 PK			2.81 H	125	96.70	7.30
4	*5795.00	95.37 AV			2.81 H	125	88.07	7.30
5	#5850.00	50.12 PK	122.20	-72.08	2.73 H	0	42.66	7.46
6	11590.00	54.68 PK	74.00	-19.32	3.31 H	0	39.11	15.57
7	11590.00	42.08 AV	54.00	-11.92	3.31 H	0	26.51	15.57
8	#17385.00	57.11 PK	68.20	-11.09	2.46 H	0	36.01	21.10

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5666.59	53.20 PK	80.51	-27.31	1.43 V	0	46.27	6.93
2	#5704.45	52.74 PK	106.45	-53.71	1.95 V	0	45.70	7.04
3	*5795.00	101.28 PK			2.23 V	125	93.98	7.30
4	*5795.00	91.55 AV			2.23 V	125	84.25	7.30
5	#5850.00	49.35 PK	122.20	-72.85	1.93 V	0	41.89	7.46
6	11590.00	54.72 PK	74.00	-19.28	2.26 V	0	39.15	15.57
7	11590.00	42.26 AV	54.00	-11.74	2.26 V	0	26.69	15.57
8	#17385.00	57.34 PK	68.20	-10.86	1.72 V	0	36.24	21.10

REMARKS:

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

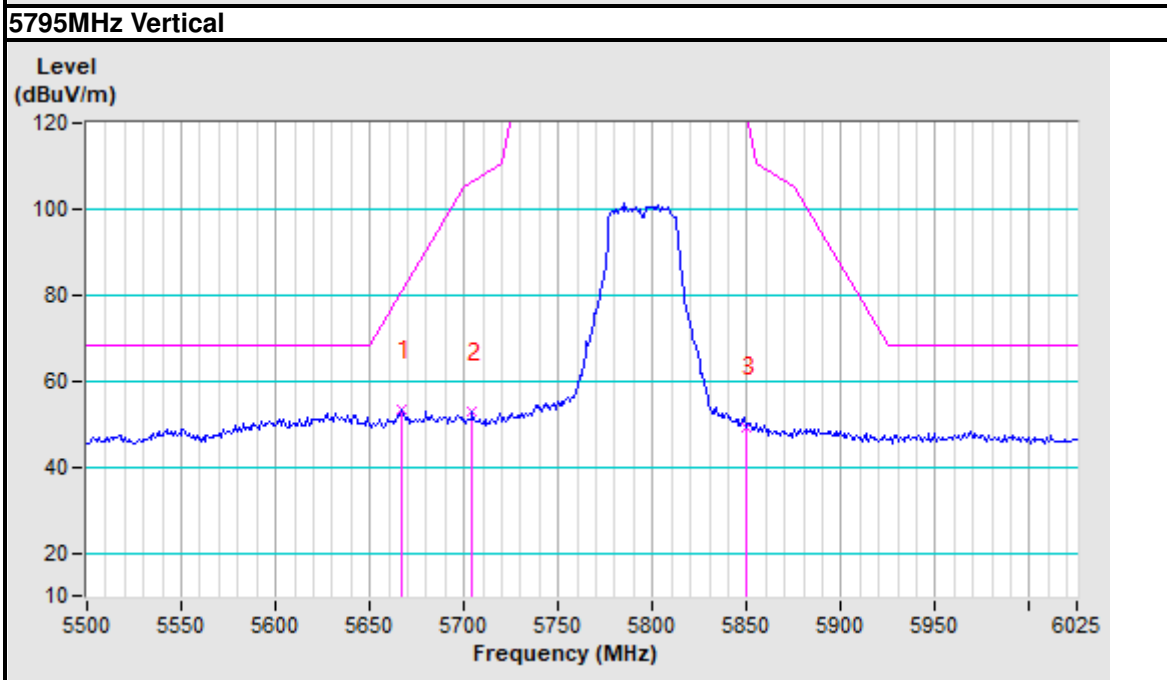
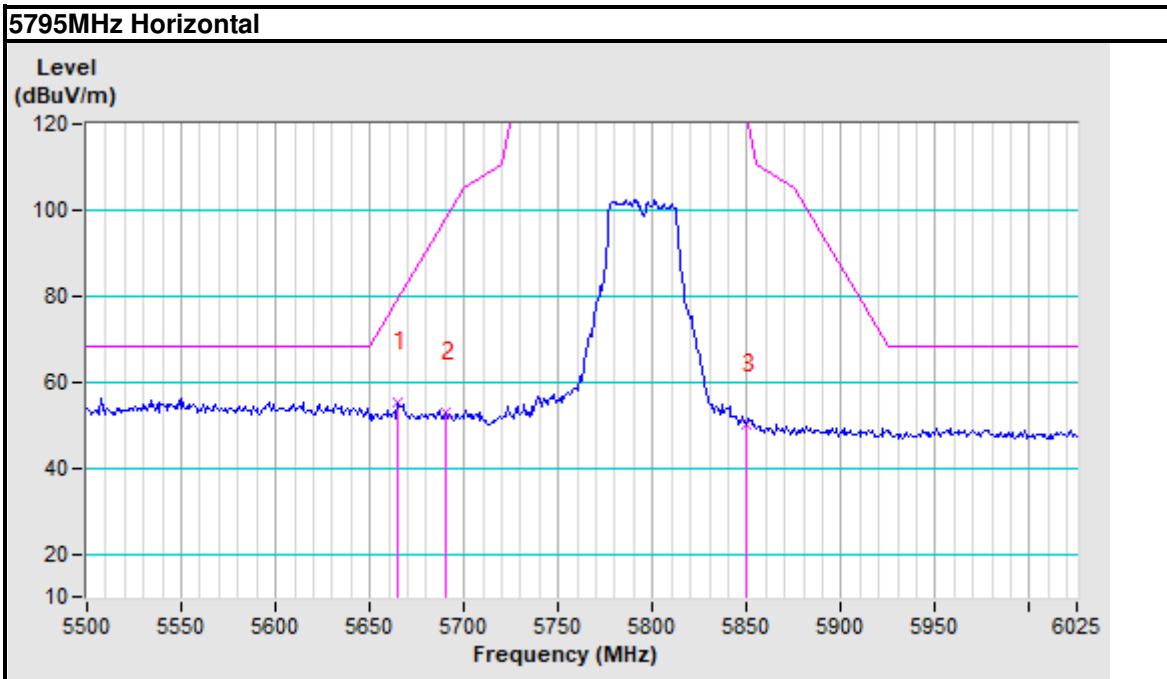
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Band edge Plot





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	#5659.86	54.57 PK	75.52	-20.95	2.03 H	0	47.67	6.90
2	#5725.00	65.41 PK	122.20	-56.79	2.80 H	0	58.31	7.10
3	*5745.00	106.32 PK			3.42 H	145	99.16	7.16
4	*5745.00	96.78 AV			3.42 H	145	89.62	7.16
5	#5854.21	51.75 PK	112.61	-60.86	1.61 H	0	44.27	7.48
6	11490.00	55.67 PK	74.00	-18.33	3.30 H	0	40.35	15.32
7	11490.00	42.86 AV	54.00	-11.14	3.30 H	0	27.54	15.32
8	#17235.00	57.53 PK	68.20	-10.67	1.53 H	0	36.46	21.07

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5707.81	52.17 PK	107.39	-55.22	1.57 V	0	45.13	7.04
2	#5725.00	62.85 PK	122.20	-59.35	1.91 V	0	55.75	7.10
3	*5745.00	104.65 PK			1.56 V	145	97.49	7.16
4	*5745.00	95.11 AV			1.56 V	145	87.95	7.16
5	#5854.21	48.40 PK	112.61	-64.21	1.84 V	0	40.92	7.48
6	11490.00	54.36 PK	74.00	-19.64	2.08 V	0	39.04	15.32
7	11490.00	43.30 AV	54.00	-10.70	2.08 V	0	27.98	15.32
8	#17235.00	56.81 PK	68.20	-11.39	1.95 V	0	35.74	21.07

REMARKS:

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

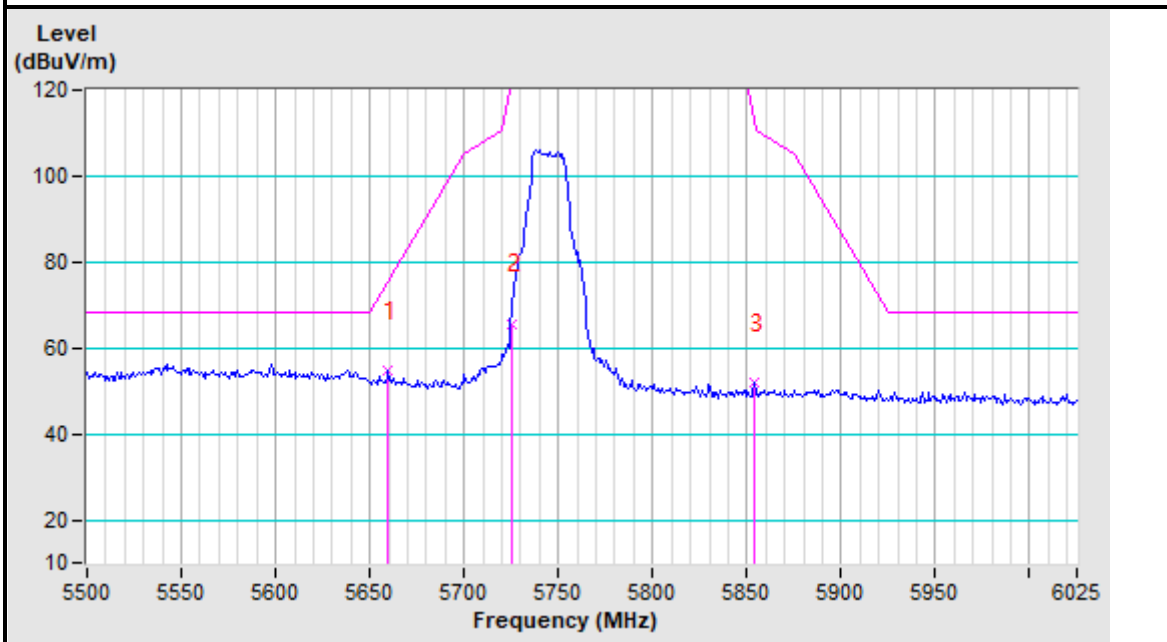


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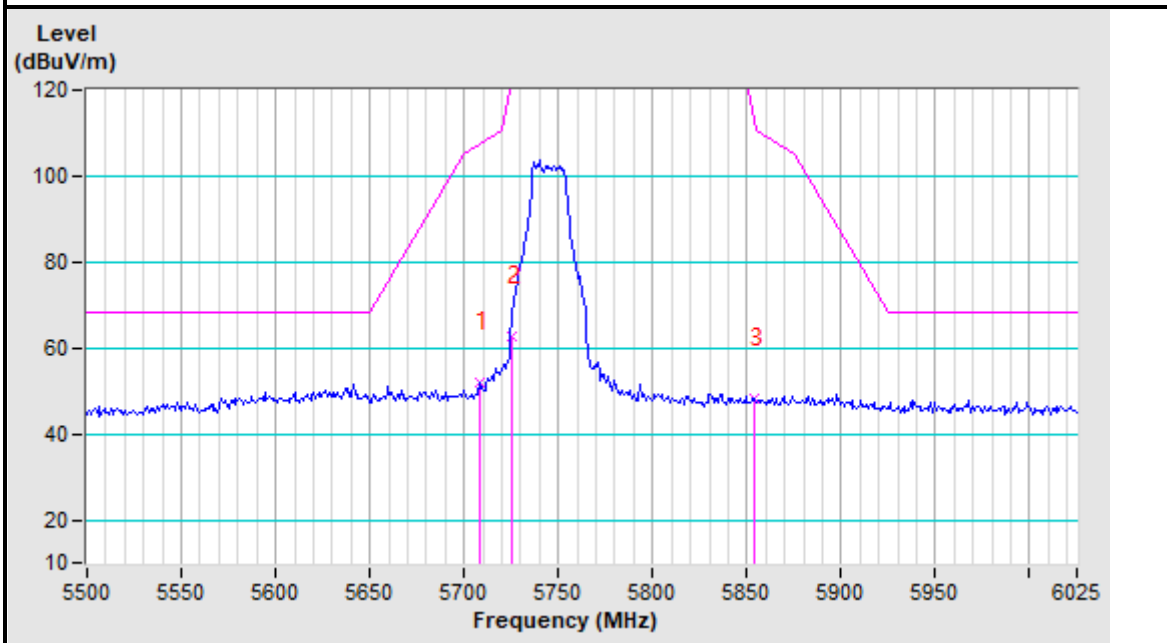
Test Report No.: RF2201WDG0200-4

Band edge Plot

5745MHz Horizontal



5745MHz Vertical





BUREAU VERITAS

Test Report No.: RF2201WDG0200-4

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	#5699.40	54.04 PK	104.76	-50.72	1.90 H	0	47.02	7.02
2	*5785.00	106.44 PK			2.79 H	125	99.17	7.27
3	*5785.00	97.34 AV			2.79 H	125	90.07	7.27
4	#5862.62	49.24 PK	108.66	-59.42	3.03 H	0	41.75	7.49
5	#5876.92	49.60 PK	103.77	-54.17	1.71 H	0	42.06	7.54
6	11570.00	54.69 PK	74.00	-19.31	1.61 H	0	39.17	15.52
7	11570.00	43.20 AV	54.00	-10.80	1.61 H	0	27.68	15.52
8	#17355.00	56.85 PK	68.20	-11.35	2.38 H	0	35.76	21.09

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	#5691.83	51.18 PK	99.17	-47.99	1.56 V	0	44.18	7.00
2	*5785.00	104.38 PK			2.21 V	125	97.11	7.27
3	*5785.00	94.55 AV			2.21 V	125	87.28	7.27
4	#5870.19	49.50 PK	106.54	-57.04	1.93 V	0	41.98	7.52
5	#5887.02	48.73 PK	96.28	-47.55	2.10 V	0	41.16	7.57
6	11570.00	54.83 PK	74.00	-19.17	1.95 V	0	39.31	15.52
7	11570.00	44.10 AV	54.00	-9.90	1.95 V	0	28.58	15.52
8	#17355.00	58.03 PK	68.20	-10.17	1.82 V	0	36.94	21.09

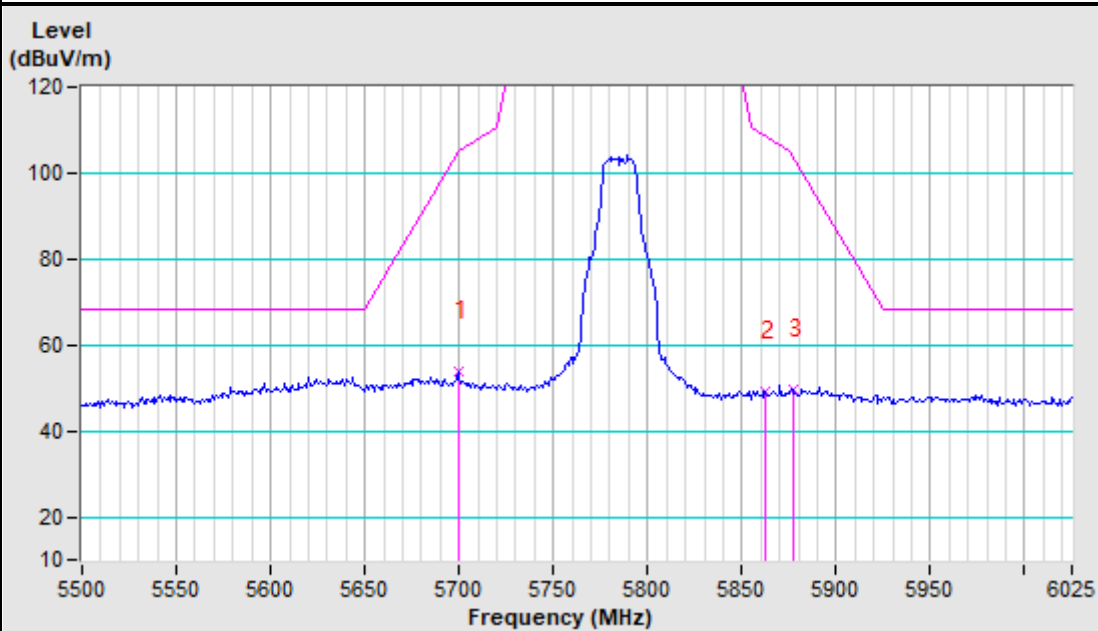
REMARKS:

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.

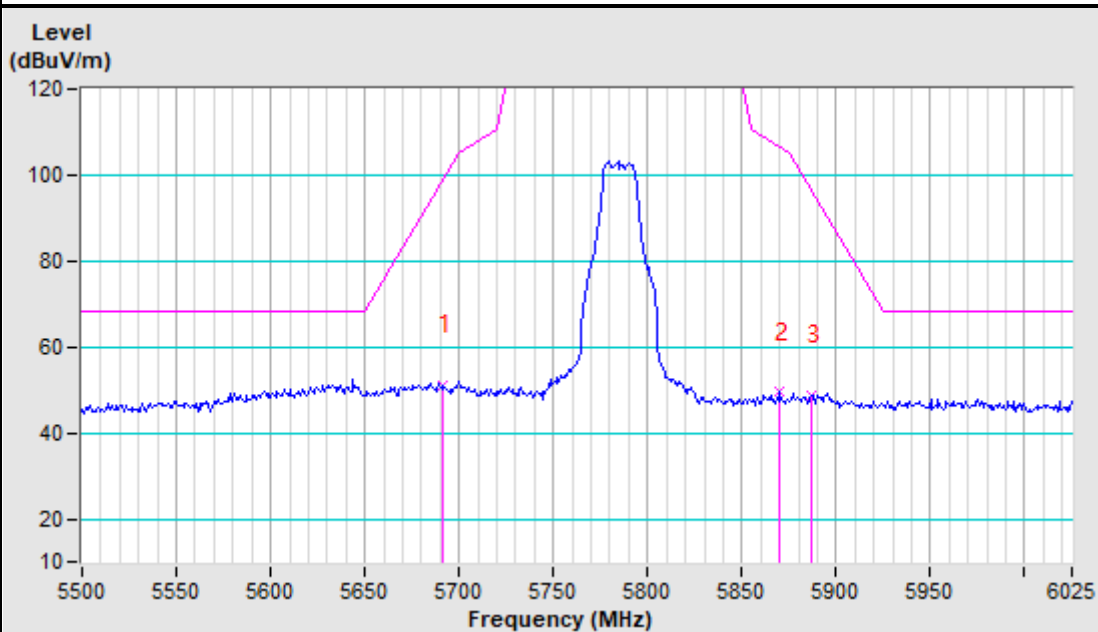


Band edge Plot

5785MHz Horizontal



5785MHz Vertical





BUREAU VERITAS

Test Report No.: RF2201WDG0200-4

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	#5699.40	52.95 PK	104.76	-51.81	3.27 H	0	45.93	7.02
2	*5825.00	106.53 PK			2.61 H	175	99.14	7.39
3	*5825.00	96.86 AV			2.61 H	175	89.47	7.39
4	#5850.00	52.12 PK	122.20	-70.08	3.44 H	0	44.66	7.46
5	#5864.30	48.60 PK	108.19	-59.59	2.92 H	0	41.09	7.51
6	11650.00	54.64 PK	74.00	-19.36	2.60 H	0	38.91	15.73
7	11650.00	43.28 AV	54.00	-10.72	2.60 H	0	27.55	15.73
8	#17475.00	57.01 PK	68.20	-11.19	2.07 H	0	35.90	21.11

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5690.14	52.00 PK	97.93	-45.93	1.98 V	0	45.00	7.00
2	*5825.00	104.22 PK			1.43 V	175	96.83	7.39
3	*5825.00	94.97 AV			1.43 V	175	87.58	7.39
4	#5850.00	50.32 PK	122.20	-71.88	1.76 V	0	42.86	7.46
5	#5860.10	49.57 PK	109.37	-59.80	1.98 V	0	42.08	7.49
6	11650.00	55.29 PK	74.00	-18.71	1.52 V	0	39.56	15.73
7	11650.00	41.98 AV	54.00	-12.02	1.52 V	0	26.25	15.73
8	#17475.00	56.32 PK	68.20	-11.88	2.21 V	0	35.21	21.11

REMARKS:

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.

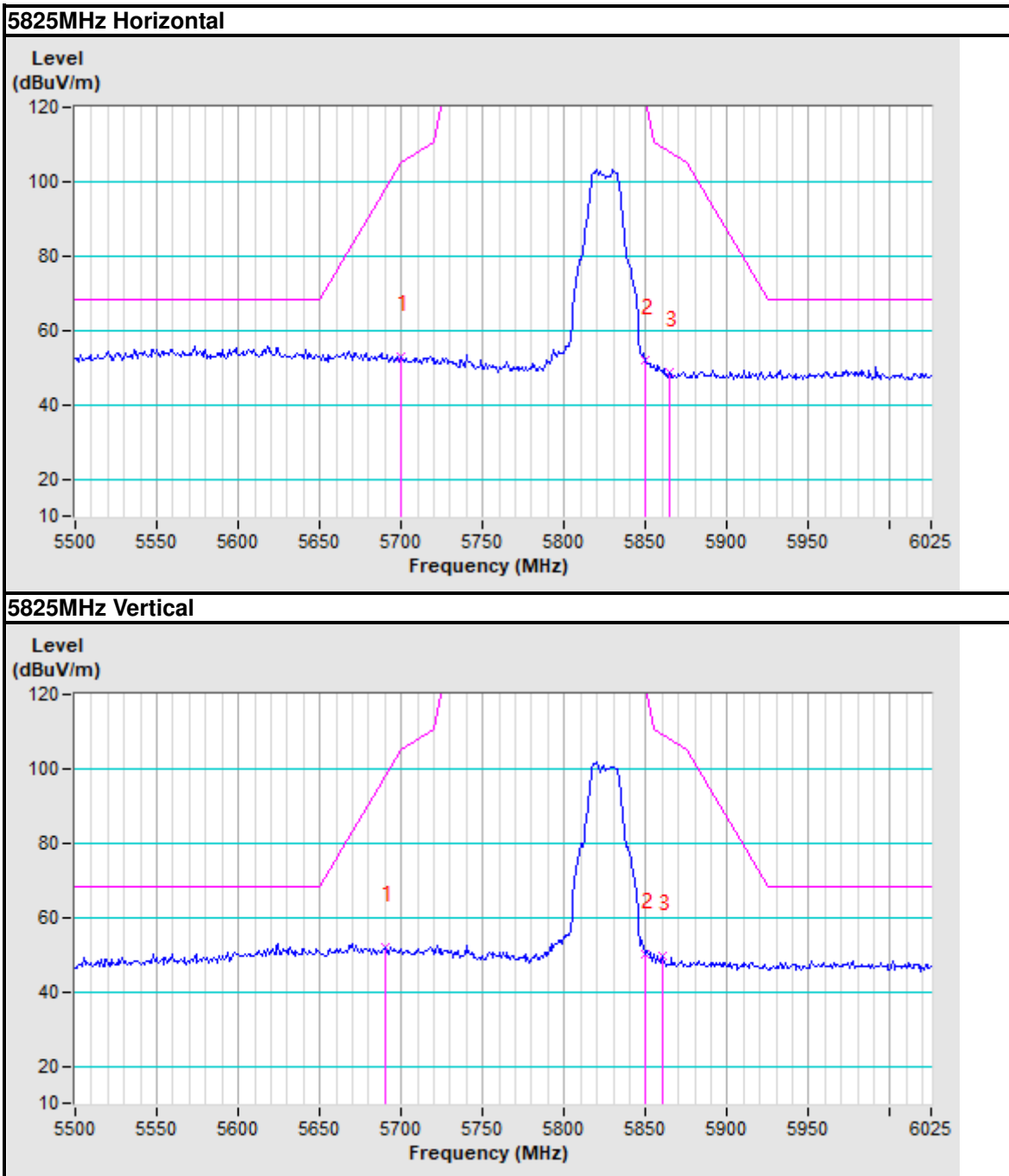
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Band edge Plot



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	#5708.65	60.31 PK	107.63	-47.32	1.53 H	0	53.26	7.05
2	#5725.00	65.78 PK	122.20	-56.42	2.17 H	0	58.68	7.10
3	*5755.00	104.21 PK			2.17 H	144	97.03	7.18
4	*5755.00	95.00 AV			2.79 H	144	87.82	7.18
5	#5861.78	49.06 PK	108.90	-59.84	1.67 H	0	41.57	7.49
6	11510.00	54.29 PK	74.00	-19.71	2.52 H	0	38.92	15.37
7	11510.00	43.25 AV	54.00	-10.75	2.52 H	0	27.88	15.37
8	#17265.00	58.20 PK	68.20	-10.00	2.80 H	0	37.13	21.07

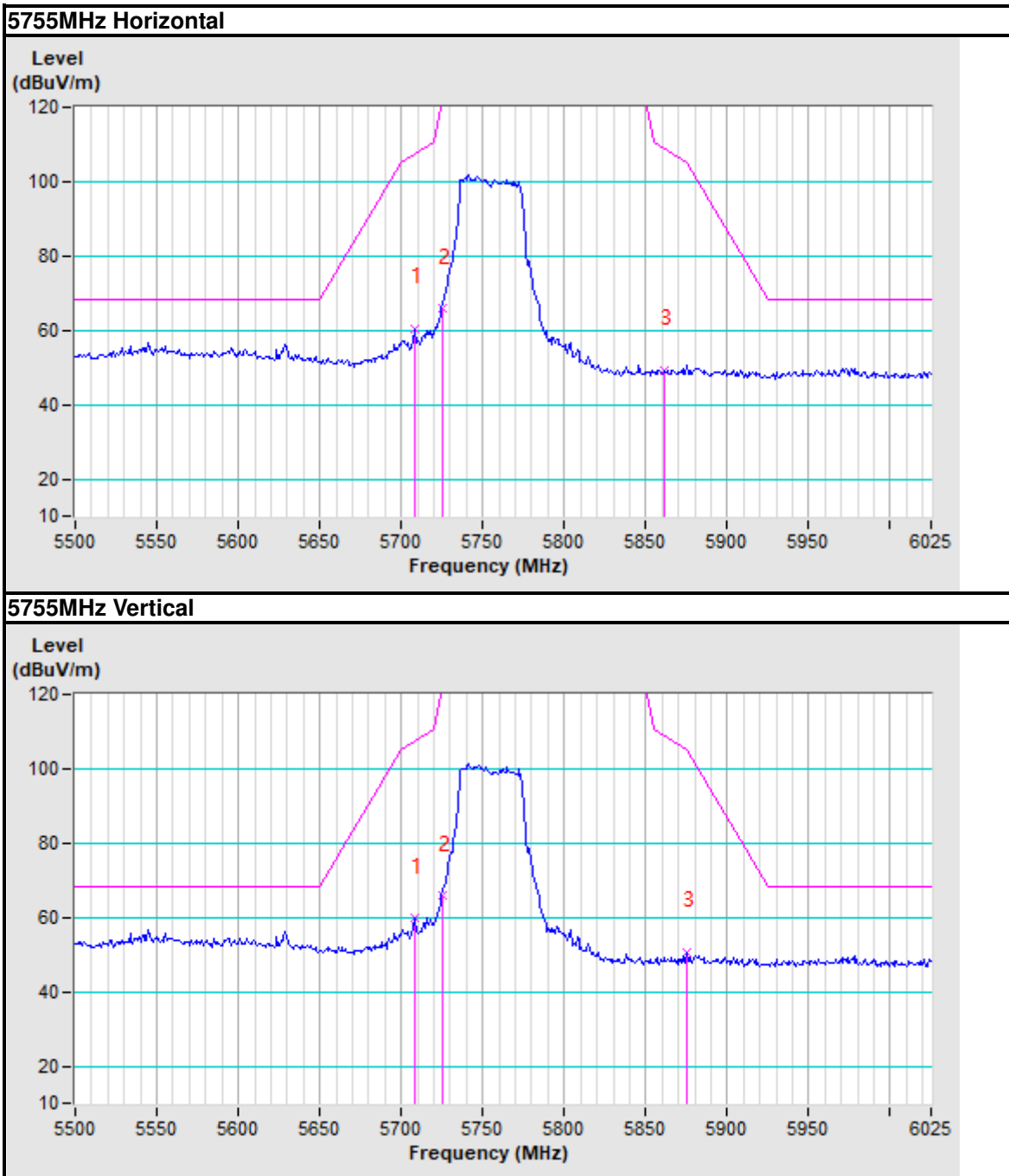
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5707.81	59.67 PK	107.39	-47.72	2.13 V	0	52.63	7.04
2	#5725.00	65.78 PK	122.20	-56.42	2.20 V	0	58.68	7.10
3	*5755.00	102.02 PK			1.60 V	144	94.84	7.18
4	*5755.00	93.05 AV			1.60 V	144	85.87	7.18
5	#5875.24	50.54 PK	105.02	-54.48	2.17 V	0	43.00	7.54
6	11510.00	55.34 PK	74.00	-18.66	2.02 V	0	39.97	15.37
7	11510.00	43.58 AV	54.00	-10.42	2.02 V	0	28.21	15.37
8	#17265.00	57.45 PK	68.20	-10.75	2.00 V	0	36.38	21.07

REMARKS:

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





BUREAU VERITAS

Test Report No.: RF2201WDG0200-4

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	#5668.27	55.43 PK	81.76	-26.33	2.21 H	0	48.50	6.93
2	*5795.00	104.22 PK			3.34 H	125	96.92	7.30
3	*5795.00	93.25 AV			3.34 H	125	85.95	7.30
4	#5850.00	50.59 PK	122.20	-71.61	1.69 H	0	43.13	7.46
5	#5869.35	50.59 PK	106.78	-56.19	3.07 H	0	43.07	7.52
6	11590.00	55.36 PK	74.00	-18.64	2.04 H	0	39.79	15.57
7	11590.00	43.06 AV	54.00	-10.94	2.04 H	0	27.49	15.57
8	#17385.00	57.85 PK	68.20	-10.35	2.48 H	0	36.75	21.10

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5683.41	54.31 PK	92.96	-38.65	1.42 V	0	47.34	6.97
2	*5795.00	101.95 PK			2.29 V	125	94.65	7.30
3	*5795.00	93.21 AV			2.29 V	125	85.91	7.30
4	#5850.00	50.39 PK	122.20	-71.81	1.55 V	0	42.93	7.46
5	#5863.46	50.74 PK	108.43	-57.69	2.29 V	0	43.23	7.51
6	11590.00	54.81 PK	74.00	-19.19	2.08 V	0	39.24	15.57
7	11590.00	42.69 AV	54.00	-11.31	2.08 V	0	27.12	15.57
8	#17385.00	57.94 PK	68.20	-10.26	1.89 V	0	36.84	21.10

REMARKS:

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

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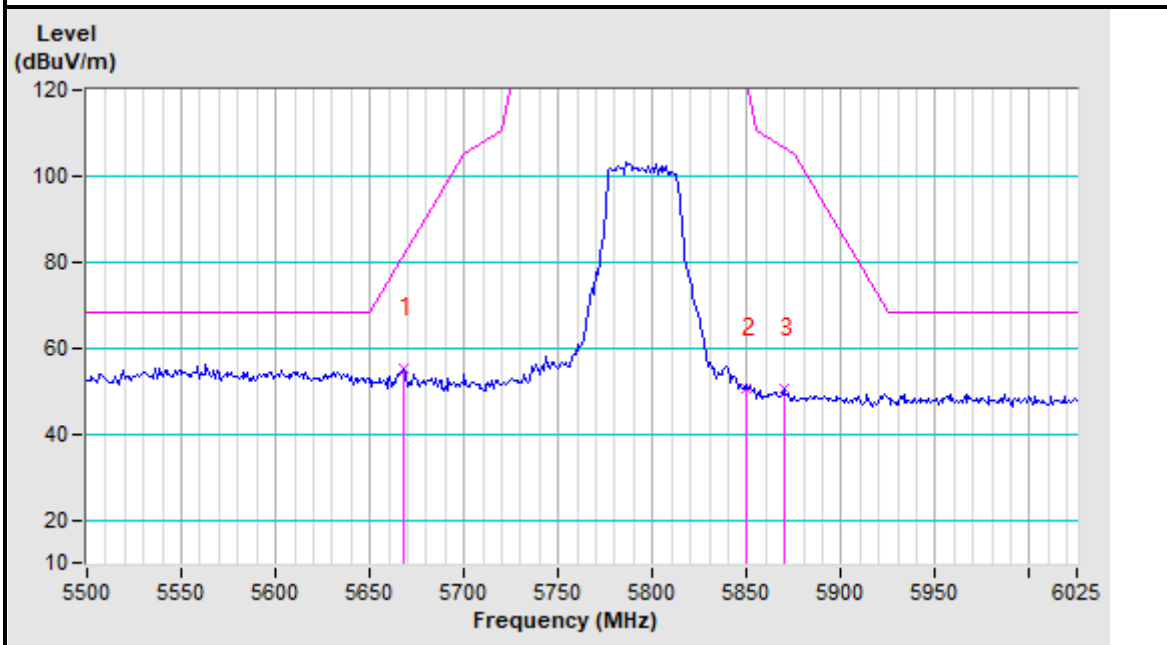


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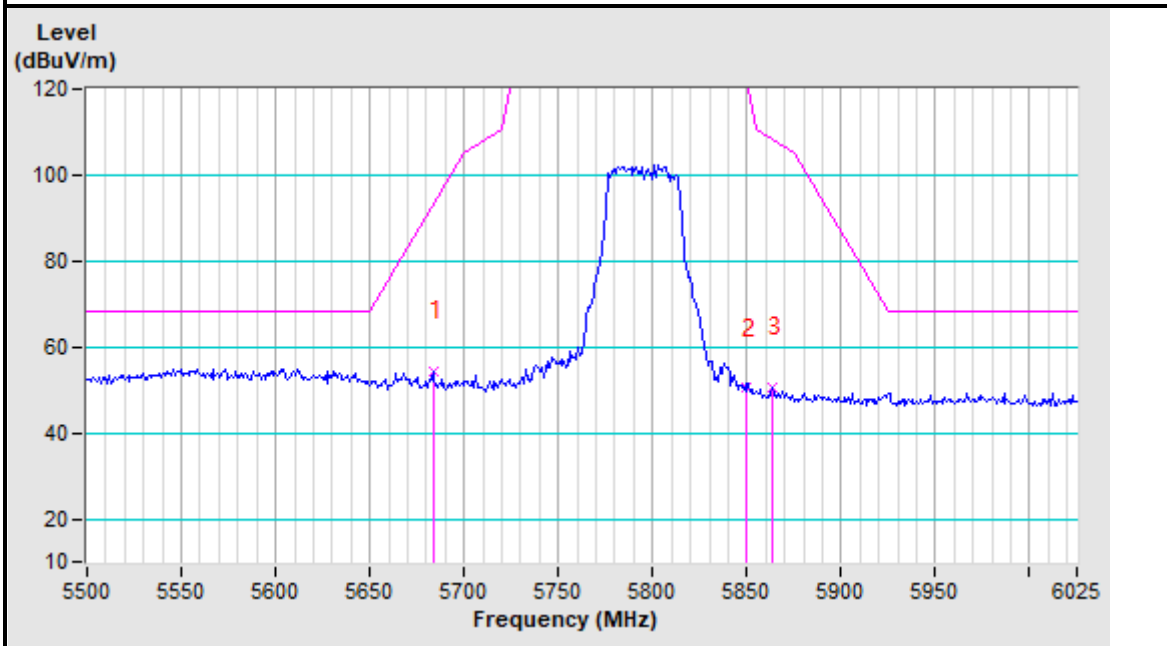
Test Report No.: RF2201WDG0200-4

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. 07,22
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Mar. 07,22
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Mar. 07,22
Voltage probe	SCHWARZBECK	TK 9421	TK 9421-176	Aug. 05,22
Coaxial RF Cable	/	CE CABLE	C2310066DG	Jul. 27,22
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

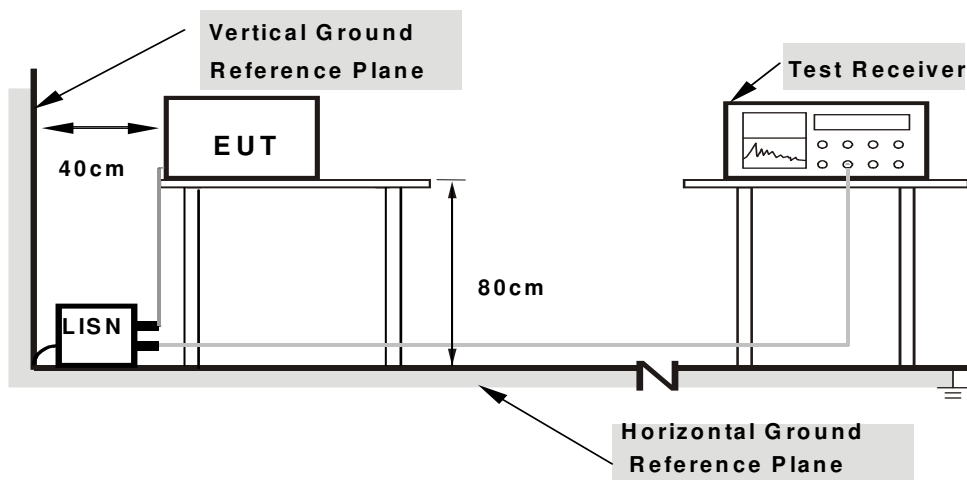
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling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

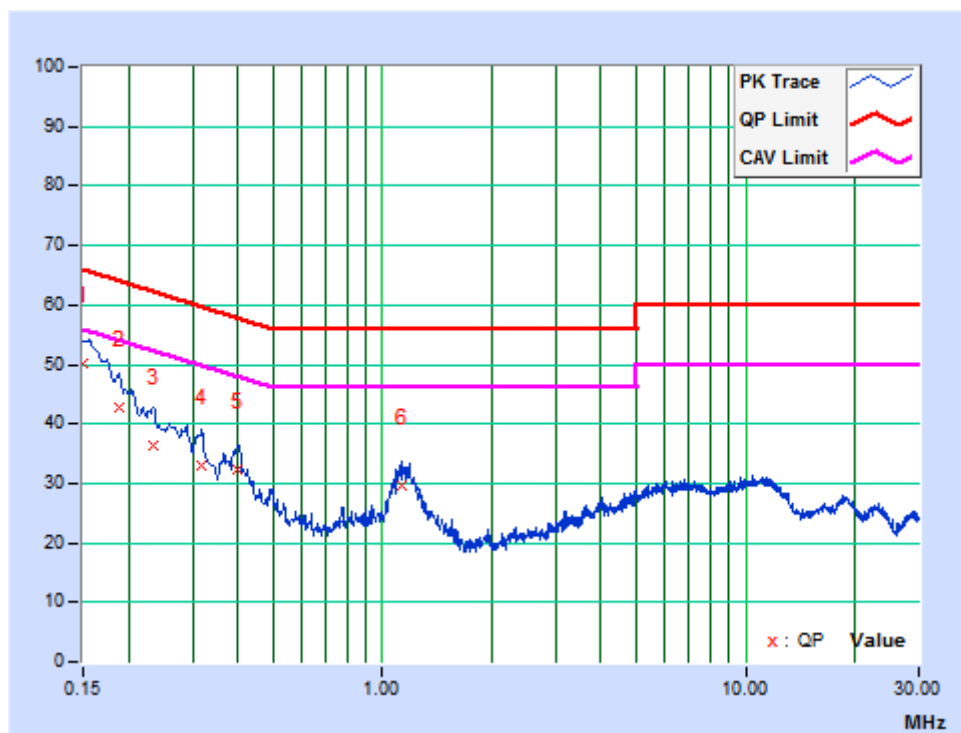
3.2.7 TEST RESULTS

CONDUCTED WORST-CASE DATA: 802.11a CH36

PHASE	Line	6dB BANDWIDTH	9kHz
--------------	------	----------------------	------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.90	40.27	23.88	50.17	33.78	66.00	56.00	-15.83	-22.22
2	0.18806	9.92	32.89	17.45	42.81	27.37	64.12	54.12	-21.31	-26.75
3	0.23290	9.94	26.27	13.19	36.21	23.13	62.35	52.35	-26.14	-29.22
4	0.31875	9.94	22.89	13.22	32.83	23.16	59.74	49.74	-26.91	-26.58
5	0.39806	9.95	22.33	14.06	32.28	24.01	57.89	47.89	-25.61	-23.88
6	1.13775	10.01	19.51	10.19	29.52	20.20	56.00	46.00	-26.48	-25.80

- 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.





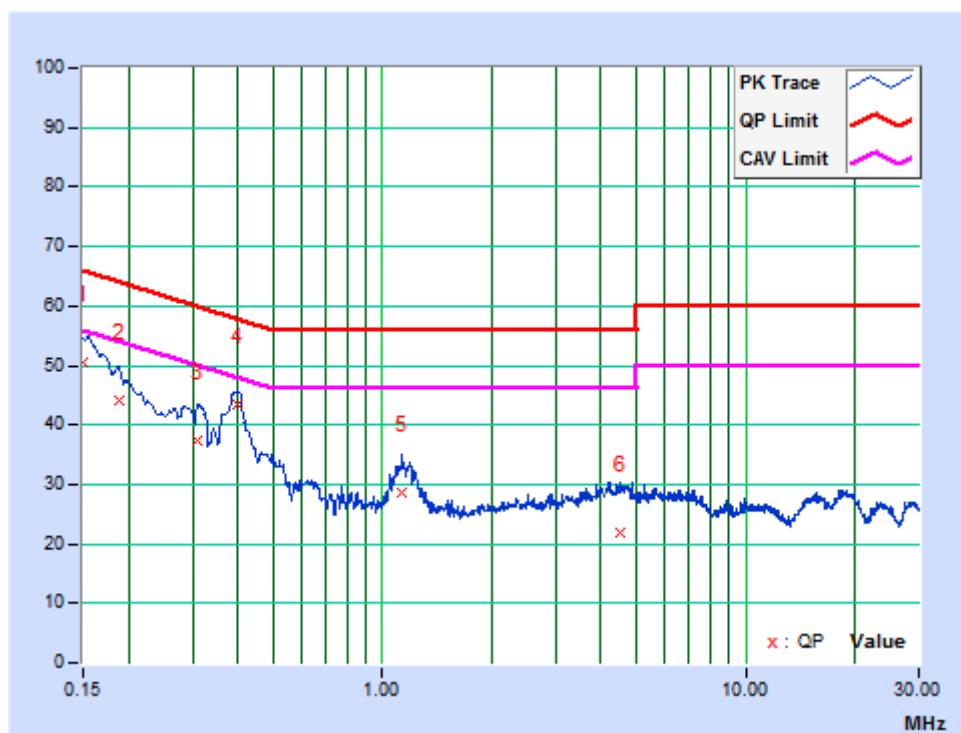
**BUREAU
VERITAS**

Test Report No.: RF2201WDG0200-4

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

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.90	40.60	25.19	50.50	35.09	66.00	56.00	-15.50	-20.91
2	0.18825	9.93	34.05	19.64	43.98	29.57	64.11	54.11	-20.14	-24.55
3	0.30975	9.93	27.60	19.55	37.53	29.48	59.98	49.98	-22.44	-20.49
4	0.39806	9.95	33.61	27.61	43.56	37.56	57.89	47.89	-14.33	-10.33
5	1.13549	10.03	18.68	10.34	28.71	20.37	56.00	46.00	-27.29	-25.63
6	4.52400	10.08	11.81	5.32	21.89	15.40	56.00	46.00	-34.11	-30.60

- 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.





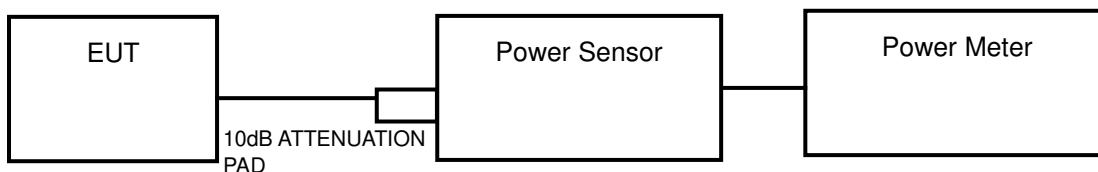
3.3 TRANSMIT POWER MEASUREMENT

3.3.1 LIMITS OF TRANSMIT POWER MEASUREMENT

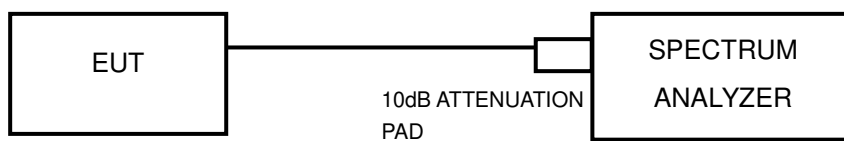
Operation Band	EUT Category		LIMIT
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p \leq 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
		Indoor Access Point	1 Watt (30 dBm)
	√	Mobile and Portable client 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	MY55060016	May 09, 22
Power Sensor	Keysight	U2021XA	MY55060018	May 09, 22
Power Meter	Anritsu	ML2495A	1139001	Feb. 24,22
Power Sensor	Anritsu	MA2411B	1531155	Feb. 24,22
Digital Multimeter	FLUKE	15B	A1220010DG	N/A
Humid & Temp Programmable Tester	Haida	HD-225T	110807201	Nov. 03,22
Oscilloscope	Agilent	DSO9254A	MY51260160	Aug. 11,22
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101094	Feb. 24,22
Signal Generator	Agilent	N5183A	MY50140980	Mar 23.22
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Sep. 14,22
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	11.26	13.366	24.00	PASS
40	5200	10.98	12.531	24.00	PASS
48	5240	10.69	11.722	24.00	PASS
52	5260	10.66	11.641	24.00	PASS
60	5300	10.73	11.83	24.00	PASS
64	5320	10.80	12.023	24.00	PASS
100	5500	11.63	14.555	24.00	PASS
116	5580	12.35	17.179	24.00	PASS
140	5700	12.42	17.458	24.00	PASS
149	5745	11.19	13.152	30.00	PASS
157	5785	10.72	11.803	30.00	PASS
165	5825	9.82	9.594	30.00	PASS

Note:

For 5260 ~ 5320MHz, 5500 ~ 5700MHz

1. $11\text{dBm} + 10\log(25.84) = 25.12\text{ dBm} > 24\text{dBm}$
2. $11\text{dBm} + 10\log(26.22) = 25.19\text{ dBm} > 24\text{dBm}$
3. $11\text{dBm} + 10\log(25.98) = 25.15\text{ dBm} > 24\text{dBm}$
4. $11\text{dBm} + 10\log(26.40) = 25.22\text{ dBm} > 24\text{dBm}$
5. $11\text{dBm} + 10\log(26.46) = 25.23\text{dBm} > 24\text{dBm}$
6. $11\text{dBm} + 10\log(25.90) = 25.13\text{ dBm} > 24\text{dBm}$



802.11n(HT20)

CHANNEL NUMBER	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	AVG. CONDUCTED POWER (mW)	LIMIT (dBm)	PASS /FAIL
36	5180	8.78	7.551	24.00	PASS
40	5200	8.42	6.95	24.00	PASS
48	5240	8.08	6.427	24.00	PASS
52	5260	8.10	6.457	24.00	PASS
60	5300	8.11	6.471	24.00	PASS
64	5320	8.17	6.561	24.00	PASS
100	5500	11.86	15.346	24.00	PASS
116	5580	12.50	17.783	24.00	PASS
140	5700	11.18	13.122	24.00	PASS
149	5745	11.46	13.996	30.00	PASS
157	5785	10.96	12.474	30.00	PASS
165	5825	10.71	11.776	30.00	PASS

Note:

For 5260 ~ 5320MHz, 5500 ~ 5700MHz

11dBm + 10log (26.03) = 25.15 dBm > 24dBm

11dBm + 10log (25.81) = 25.12 dBm > 24dBm

11dBm + 10log (25.29) = 25.03 dBm > 24dBm

11dBm + 10log (26.79) = 25.28 dBm > 24dBm

11dBm + 10log (26.47) = 25.23 dBm > 24dBm

11dBm + 10log (26.12) = 25.17 dBm > 24dBm



802.11n(HT40)

CHANNEL NUMBER	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	AVG. CONDUCTED POWER (mW)	LIMIT (dBm)	PASS /FAIL
38	5190	8.32	6.792	24.00	PASS
46	5230	8.07	6.412	24.00	PASS
54	5270	8.00	6.31	24.00	PASS
62	5310	7.92	6.194	24.00	PASS
102	5510	11.86	15.346	24.00	PASS
110	5550	12.32	17.061	24.00	PASS
134	5670	11.35	13.646	24.00	PASS
151	5755	11.15	13.032	30.00	PASS
159	5795	10.71	11.776	30.00	PASS

Note:

For 5260 ~ 5320MHz, 5500 ~ 5700MHz

11dBm + 10log (50.46) = 28.03 dBm > 24dBm

11dBm + 10log (50.39) = 28.02 dBm > 24dBm

11dBm + 10log (50.78) = 28.06 dBm > 24dBm

11dBm + 10log (52.69) = 28.22 dBm > 24dBm

11dBm + 10log (50.79) = 28.06 dBm > 24dBm



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Test Report No.: RF2201WDG0200-4

802.11ax(HE20)

CHANNEL NUMBER	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	AVG. CONDUCTED POWER (mW)	LIMIT (dBm)	PASS /FAIL
36	5180	8.51	7.096	24.00	PASS
40	5200	8.23	6.653	24.00	PASS
48	5240	7.92	6.194	24.00	PASS
52	5260	7.86	6.109	24.00	PASS
60	5300	7.95	6.237	24.00	PASS
64	5320	8.02	6.339	24.00	PASS
100	5500	11.52	14.191	24.00	PASS
116	5580	12.28	16.904	24.00	PASS
140	5700	11.30	13.490	24.00	PASS
149	5745	10.98	12.531	30.00	PASS
157	5785	10.72	11.803	30.00	PASS
165	5825	9.89	9.750	30.00	PASS

Note:

For 5260 ~ 5320MHz, 5500 ~ 5700MHz

$$11\text{dBm} + 10\log(26.10) = 25.17 \text{ dBm} > 24\text{dBm}$$

$$11\text{dBm} + 10\log(26.05) = 25.16 \text{ dBm} > 24\text{dBm}$$

$$11\text{dBm} + 10\log(26.28) = 25.20 \text{ dBm} > 24\text{dBm}$$

$$11\text{dBm} + 10\log(25.74) = 25.11 \text{ dBm} > 24\text{dBm}$$

$$11\text{dBm} + 10\log(25.79) = 25.11 \text{ dBm} > 24\text{dBm}$$

$$11\text{dBm} + 10\log(26.07) = 25.16 \text{ dBm} > 24\text{dBm}$$



802.11ax(HE40)

CHANNEL NUMBER	FREQ. (MHz)	AVG. CONDUCTED POWER (dBm)	AVG. CONDUCTED POWER (mW)	LIMIT (dBm)	PASS /FAIL
38	5190	8.32	6.792	24.00	PASS
46	5230	8.07	6.412	24.00	PASS
54	5270	8.00	6.31	24.00	PASS
62	5310	7.92	6.194	24.00	PASS
102	5510	11.86	15.346	24.00	PASS
110	5550	12.32	17.061	24.00	PASS
134	5670	11.35	13.646	24.00	PASS
151	5755	11.15	13.032	30.00	PASS
159	5795	10.71	11.776	30.00	PASS

Note:

For 5260 ~ 5320MHz, 5500 ~ 5700MHz

11dBm + 10log (48.33) = 27.84 dBm > 24dBm

11dBm + 10log (49.45) = 27.94 dBm > 24dBm

11dBm + 10log (49.97) = 27.99 dBm > 24dBm

11dBm + 10log (48.85) = 27.89 dBm > 24dBm

11dBm + 10log (48.74) = 27.88 dBm > 24dBm

26dB BANDWIDTH:

802.11a

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)	PASS /FAIL
36	5180	28.42	PASS
40	5200	27.98	PASS
48	5240	26.67	PASS
52	5260	25.84	PASS
60	5300	26.22	PASS
64	5320	25.98	PASS
100	5500	26.40	PASS
116	5580	26.46	PASS
140	5700	25.90	PASS

802.11n(HT20)

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)	PASS /FAIL
36	5180	26.11	PASS
40	5200	25.75	PASS
48	5240	26.38	PASS
52	5260	26.03	PASS
60	5300	25.81	PASS
64	5320	25.29	PASS
100	5500	26.79	PASS
116	5580	26.47	PASS
140	5700	26.12	PASS

802.11n(HT40)

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)	PASS /FAIL
38	5190	49.57	PASS
46	5230	50.04	PASS
54	5270	50.46	PASS
62	5310	50.39	PASS
102	5510	50.78	PASS
110	5550	52.69	PASS
134	5670	50.79	PASS

802.11ax(HE20)

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)	PASS /FAIL
36	5180	25.39	PASS
40	5200	26.29	PASS
48	5240	25.85	PASS
52	5260	26.10	PASS
60	5300	26.05	PASS
64	5320	26.28	PASS
100	5500	25.74	PASS
116	5580	25.79	PASS
140	5700	26.07	PASS



Test Report No.: RF2201WDG0200-4

802.11ax(HE40)

Channel Number	Freq. (MHz)	26dB DOWN BANDWIDTH (MHz)	PASS /FAIL
38	5190	49.35	PASS
46	5230	49.70	PASS
54	5270	48.33	PASS
62	5310	49.45	PASS
102	5510	49.97	PASS
110	5550	48.85	PASS
134	5670	48.74	PASS



6dB BANDWIDTH For 5725-5850MHz

802.11a

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)	PASS /FAIL
149	5745	16.39	PASS
157	5785	16.38	PASS
165	5825	16.36	PASS

802.11n (HT20)

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)	PASS /FAIL
149	5745	17.79	PASS
157	5785	17.78	PASS
165	5825	17.78	PASS

802.11n (HT40)

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)	PASS /FAIL
151	5755	36.58	PASS
159	5795	36.56	PASS



802.11ax(HE20)

Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)	PASS /FAIL
149	5745	19.15	PASS
157	5785	19.12	PASS
165	5825	19.10	PASS

802.11ax(HE40)

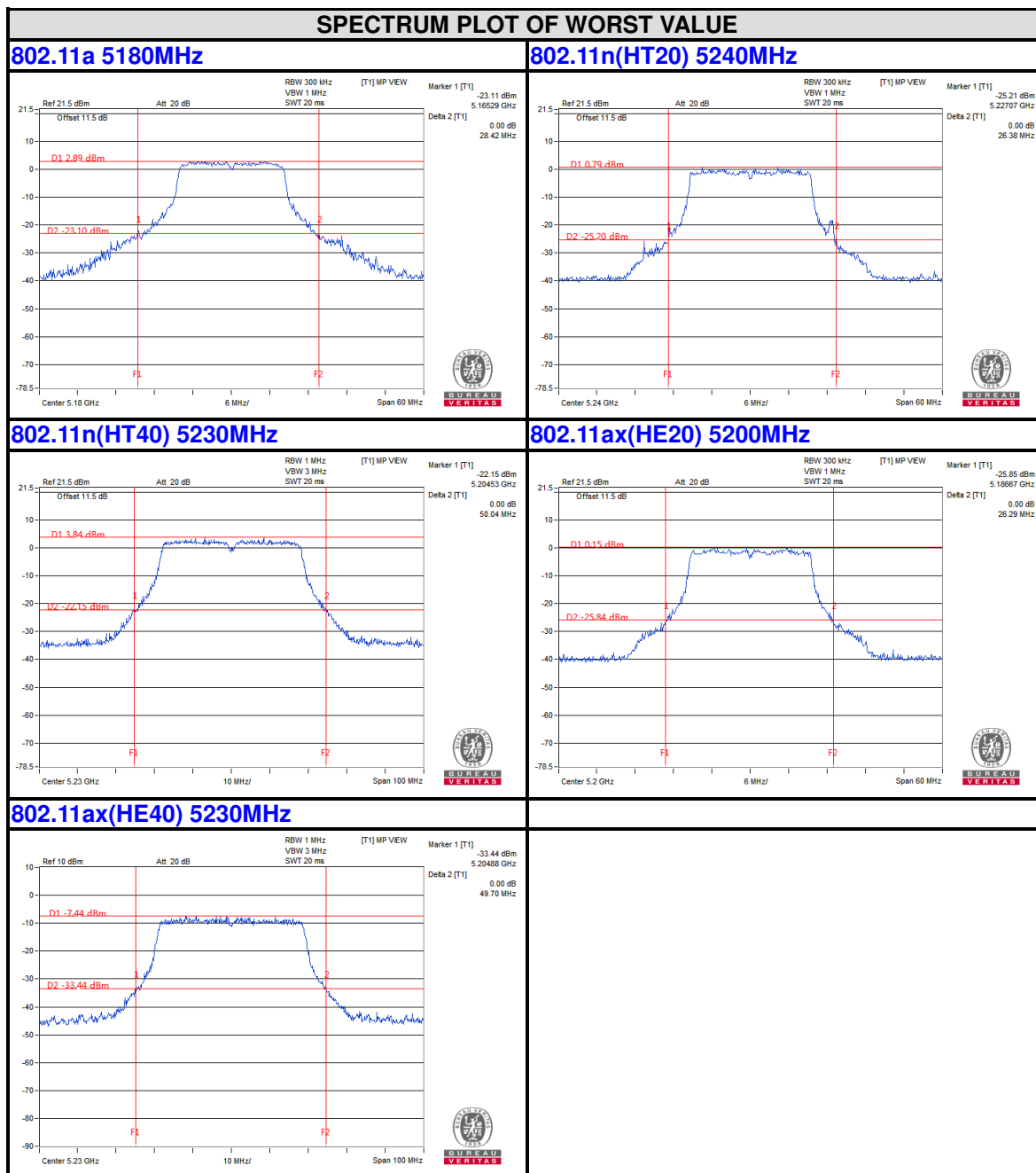
Channel Number	Freq. (MHz)	6dB DOWN BANDWIDTH (MHz)	PASS /FAIL
151	5755	38.08	PASS
159	5795	38.16	PASS



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26dB bandwidth Test Plot For 5150-5250MHz



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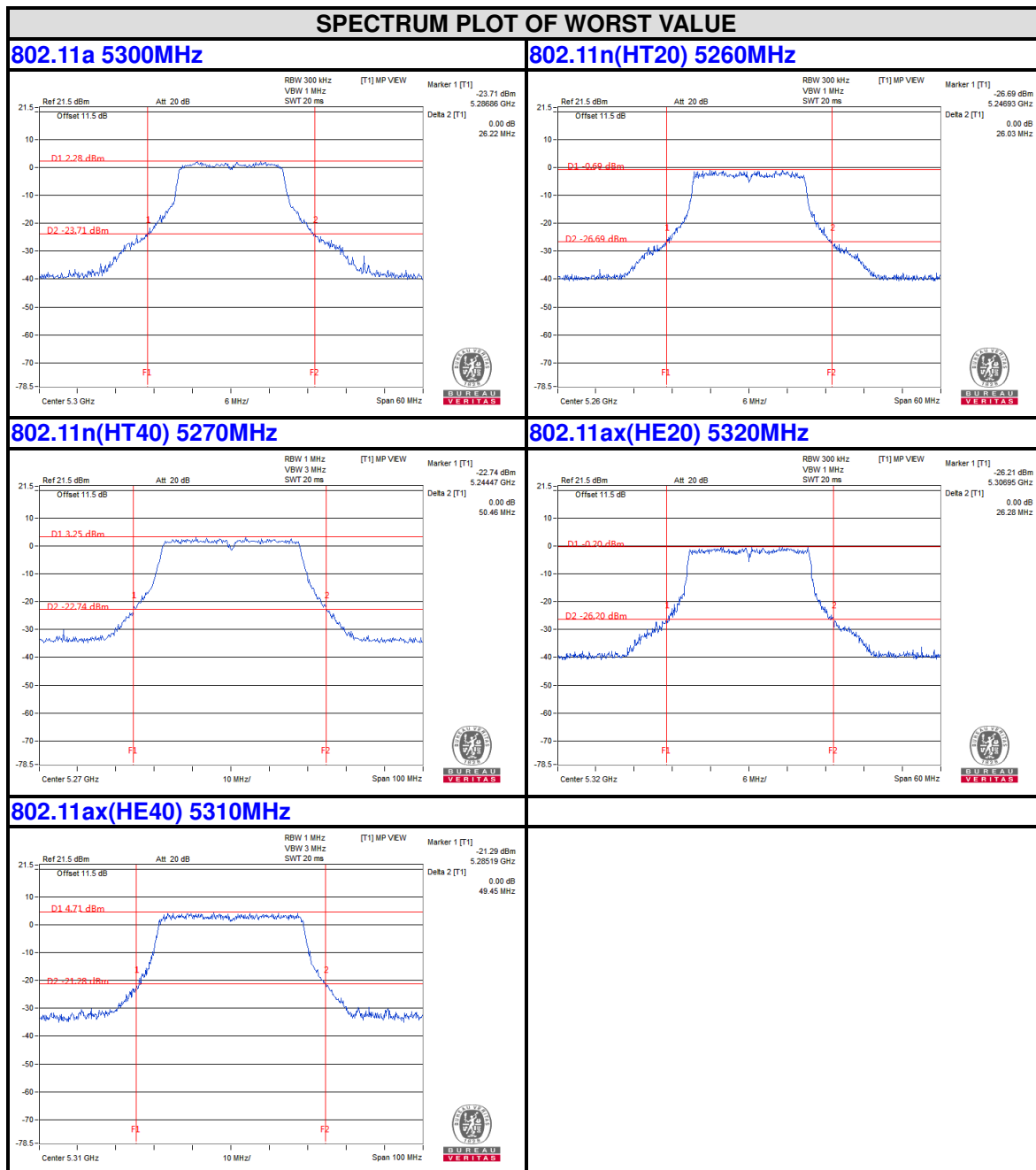
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For 5250-5350MHz



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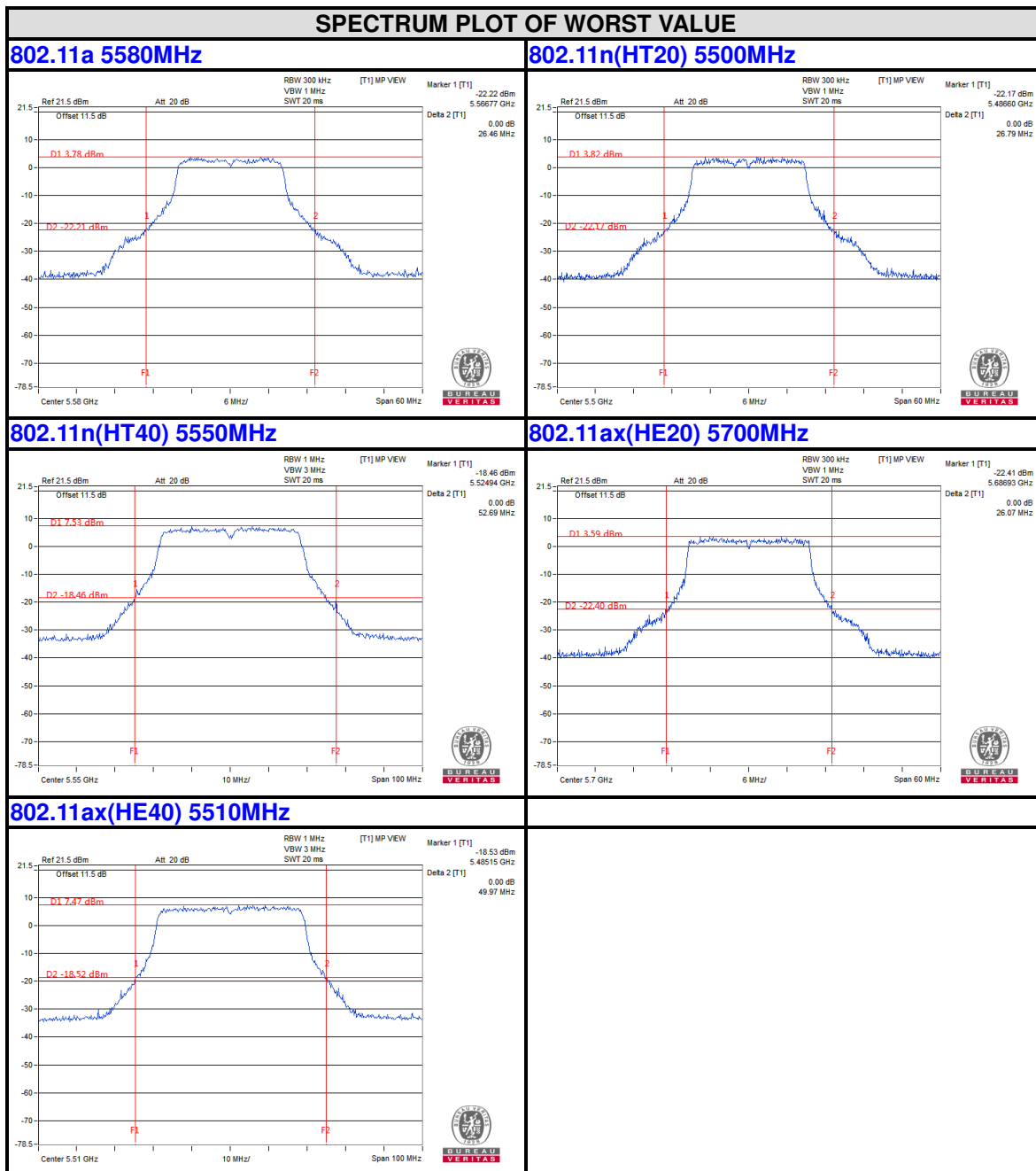
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For 5470-5725MHz



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6dB BANDWIDTH For 5725-5850MHz



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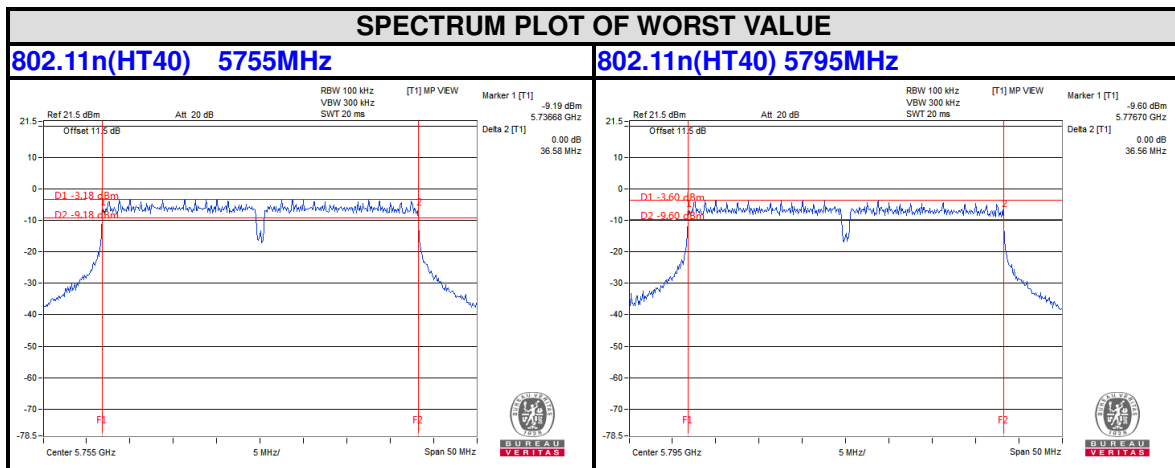
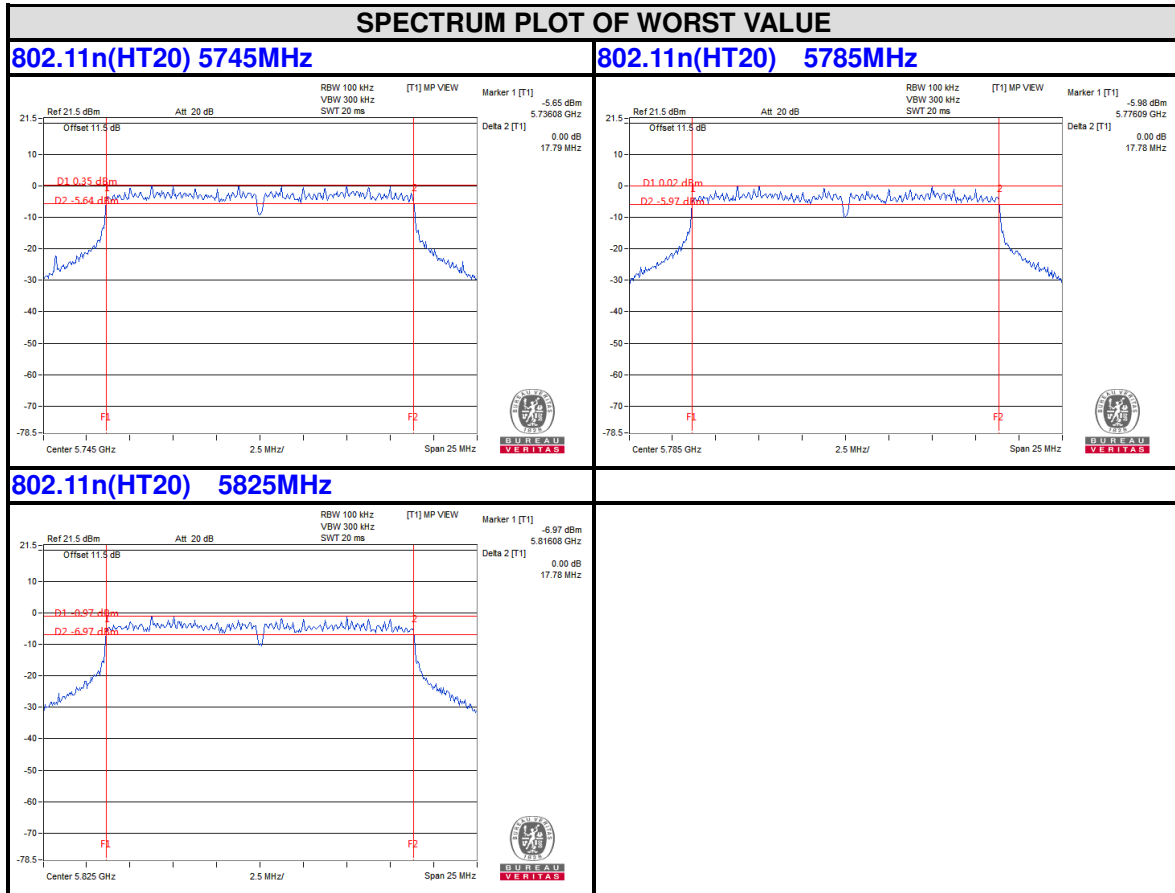
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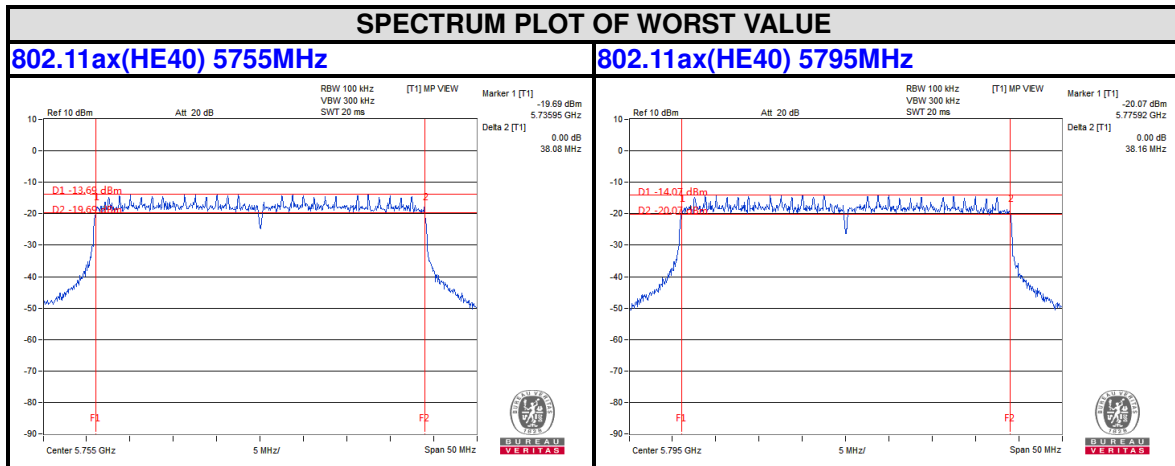
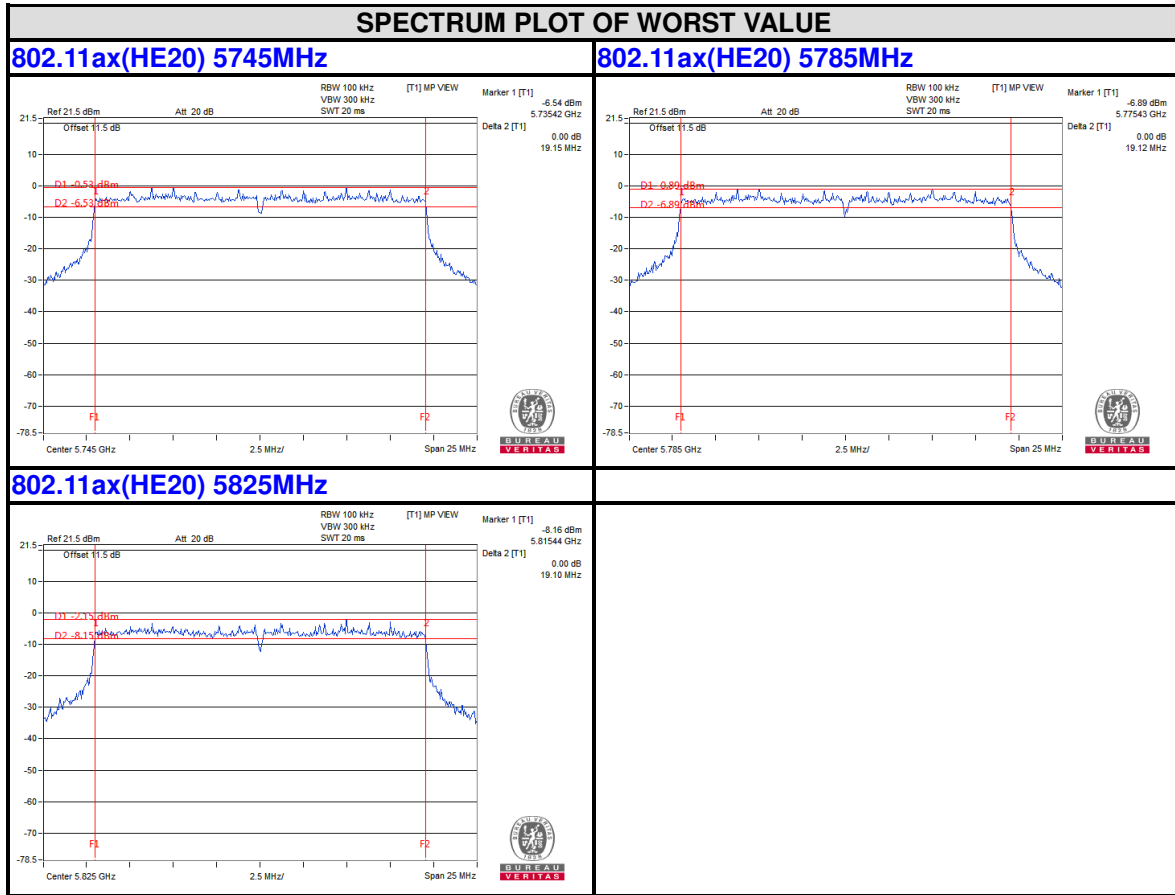
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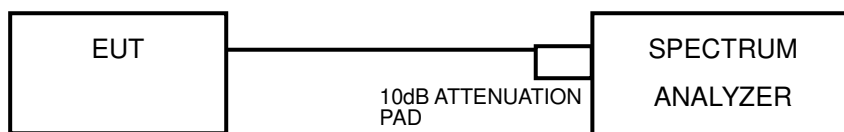
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3.4 PEAK POWER SPECTRAL DENSITY MEASUREMENT

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

**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)	PASS / FAIL
36	5180	-0.72	0	-0.72	11.00	PASS
40	5200	-1.67	0	-1.67	11.00	PASS
48	5240	-2.13	0	-2.13	11.00	PASS
52	5260	-2.35	0	-2.35	11.00	PASS
60	5300	-2.17	0	-2.17	11.00	PASS
64	5320	-1.99	0	-1.99	11.00	PASS
100	5500	-1.16	0	-1.16	11.00	PASS
116	5580	-0.57	0	-0.57	11.00	PASS
140	5700	-1.68	0	-1.68	11.00	PASS

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

Channel	Frequency (MHz)	PSD W/O Duty Factor (dBm/500kHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/500kHz)	MAX. Limit (dBm/500kHz)	PASS / FAIL
149	5745	-3.81	0	-3.81	30.00	PASS
157	5785	-4.44	0	-4.44	30.00	PASS
165	5825	-5.40	0	-5.40	30.00	PASS

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



802.11n(HT20)

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	-5.13	0	-5.13	11.00	PASS
40	5200	-5.21	0	-5.21	11.00	PASS
48	5240	-5.62	0	-5.62	11.00	PASS
52	5260	-5.80	0	-5.80	11.00	PASS
60	5300	-5.65	0	-5.65	11.00	PASS
64	5320	-5.43	0	-5.43	11.00	PASS
100	5500	-1.73	0	-1.73	11.00	PASS
116	5580	-1.30	0	-1.30	11.00	PASS
140	5700	-2.41	0	-2.41	11.00	PASS

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

Channel	Frequency (MHz)	PSD W/O Duty Factor (dBm/500kHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/500kHz)	MAX. Limit (dBm/500kHz)	PASS / FAIL
149	5745	-4.30	0	-4.30	30.00	PASS
157	5785	-4.86	0	-4.86	30.00	PASS
165	5825	-5.76	0	-5.76	30.00	PASS

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



802.11n(HT40)

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	-8.52	0	-8.52	11.00	PASS
46	5230	-8.88	0	-8.88	11.00	PASS
54	5270	-9.10	0	-9.10	11.00	PASS
62	5310	-8.78	0	-8.78	11.00	PASS
102	5510	-4.78	0	-4.78	11.00	PASS
118	5590	-4.50	0	-4.50	11.00	PASS
134	5670	-5.44	0	-5.44	11.00	PASS

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

Channel	Frequency (MHz)	PSD W/O Duty Factor (dBm/500kHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/500kHz)	MAX. Limit (dBm/500kHz)	PASS / FAIL
151	5755	-8.02	0	-8.02	30.00	PASS
159	5795	-8.55	0	-8.55	30.00	PASS

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



802.11ax(HE20)

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	-5.80	0	-5.743	11.00	PASS
40	5200	-6.00	0	-5.943	11.00	PASS
48	5240	-6.33	0	-6.273	11.00	PASS
52	5260	-6.51	0	-6.453	11.00	PASS
60	5300	-6.42	0	-6.363	11.00	PASS
64	5320	-6.17	0	-6.113	11.00	PASS
100	5500	-2.66	0	-2.603	11.00	PASS
116	5580	-2.05	0	-1.993	11.00	PASS
140	5700	-3.30	0	-3.243	11.00	PASS

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

Channel	Frequency (MHz)	PSD W/O Duty Factor (dBm/500kHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/500kHz)	MAX. Limit (dBm/500kHz)	PASS / FAIL
149	5745	-4.63	0	-4.63	30.00	PASS
157	5785	-5.13	0	-5.13	30.00	PASS
165	5825	-6.06	0	-6.06	30.00	PASS

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



802.11ax(HE40)

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	-8.79	0.112	-8.678	11.00	PASS
46	5230	-9.11	0.112	-8.998	11.00	PASS
54	5270	-9.41	0.112	-9.298	11.00	PASS
62	5310	-9.10	0.112	-8.988	11.00	PASS
102	5510	-5.07	0.112	-4.958	11.00	PASS
118	5590	-4.80	0.112	-4.688	11.00	PASS
134	5670	-5.67	0.112	-5.558	11.00	PASS

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

Channel	Frequency (MHz)	PSD W/O Duty Factor (dBm/500kHz)	Duty Factor (dB)	PSD with Duty Factor (dBm/500kHz)	MAX. Limit (dBm/500kHz)	PASS / FAIL
151	5755	-8.20	0.112	-8.088	30.00	PASS
159	5795	-8.77	0.112	-8.658	30.00	PASS

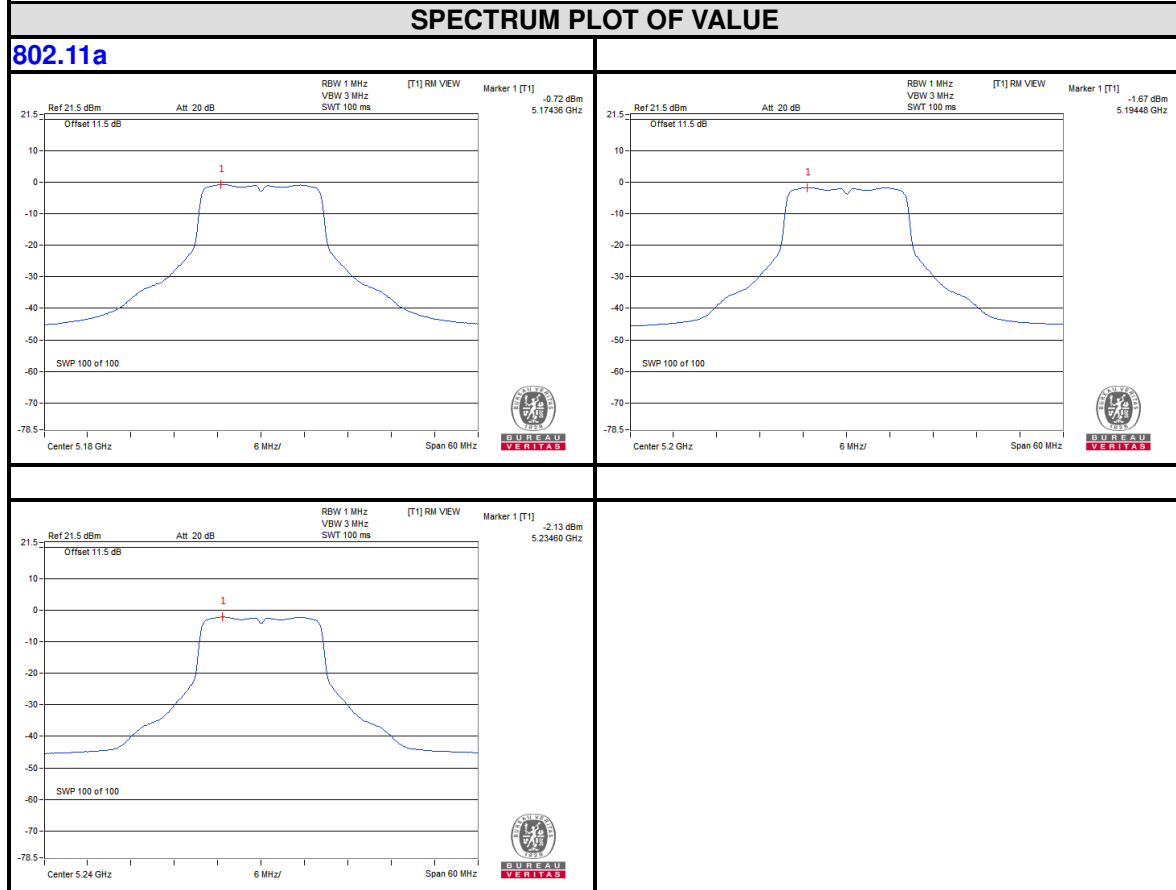
Note: Refer to section 2.3 for duty cycle spectrum plot.



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PSD Test Plot
BAND 1
5150-5250MHz



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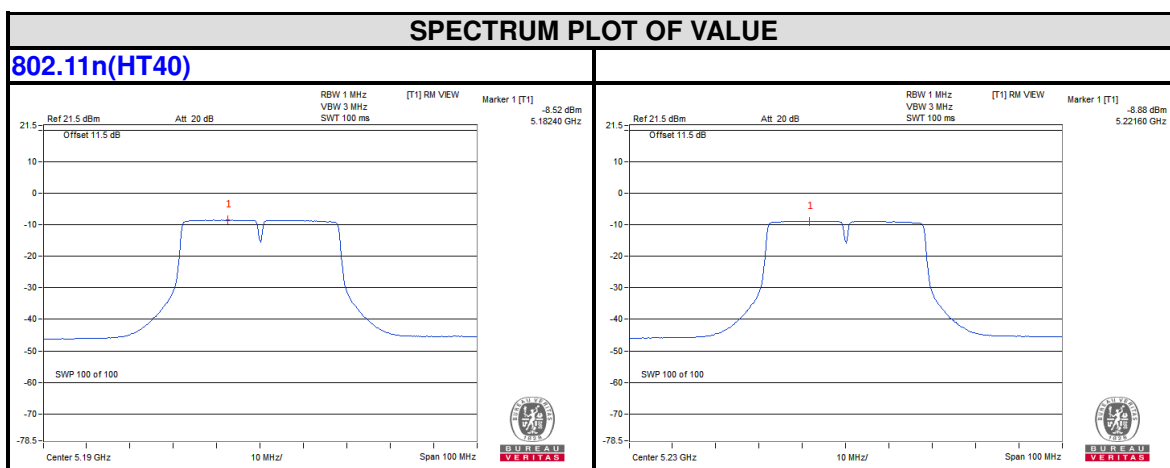
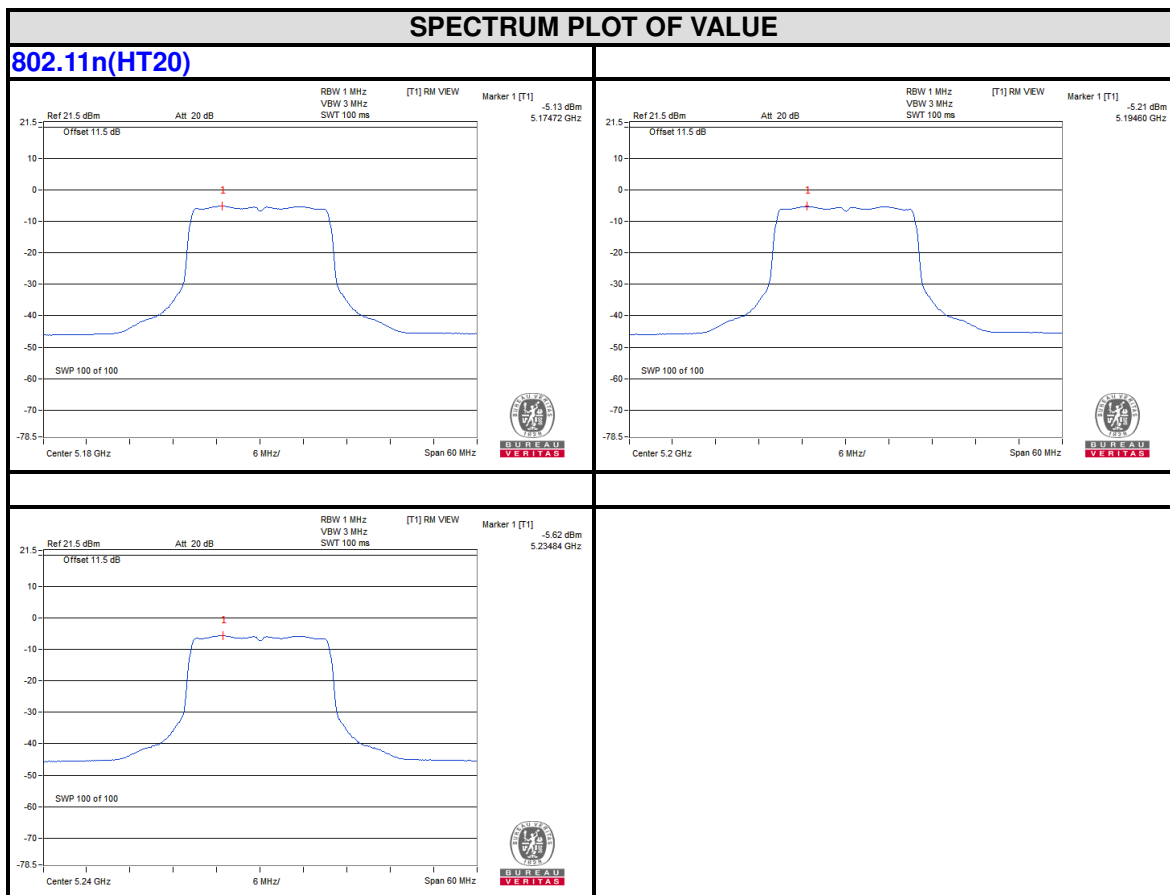
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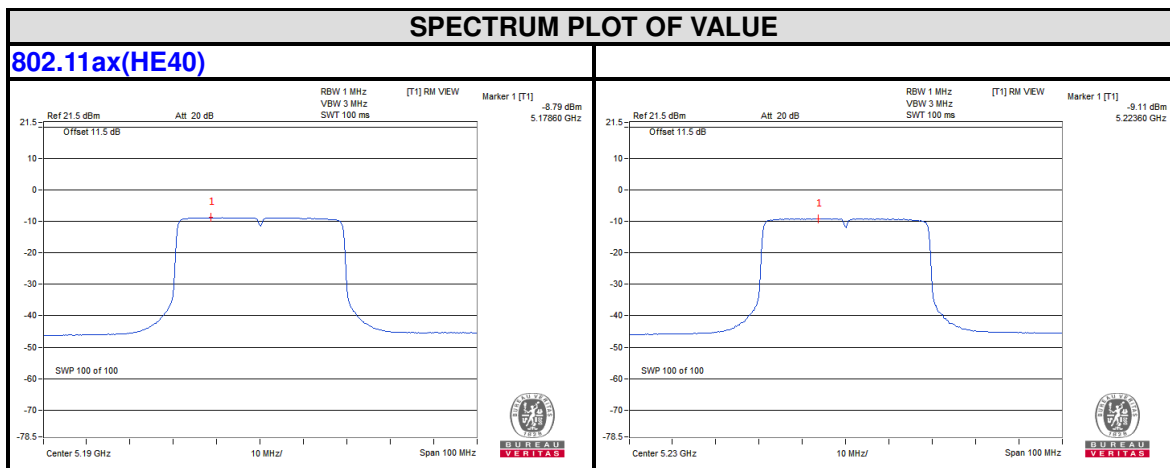
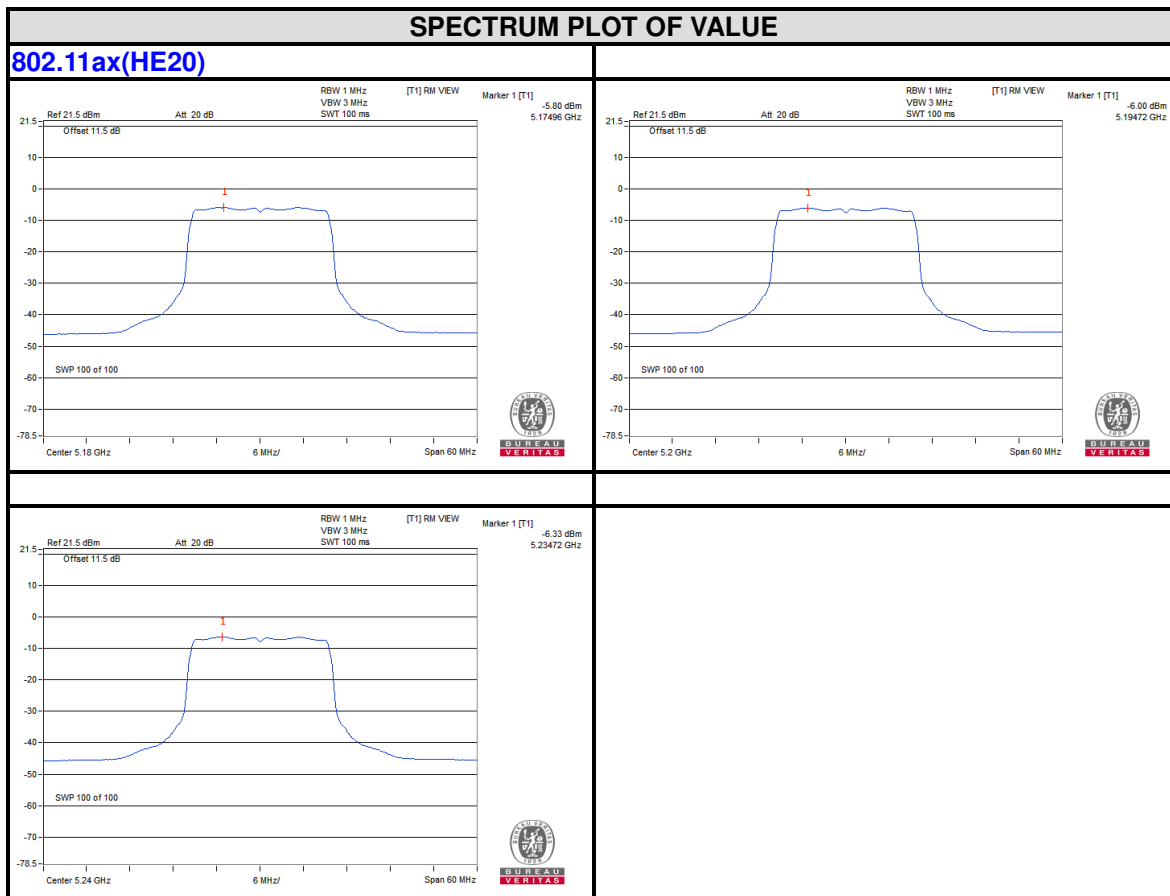
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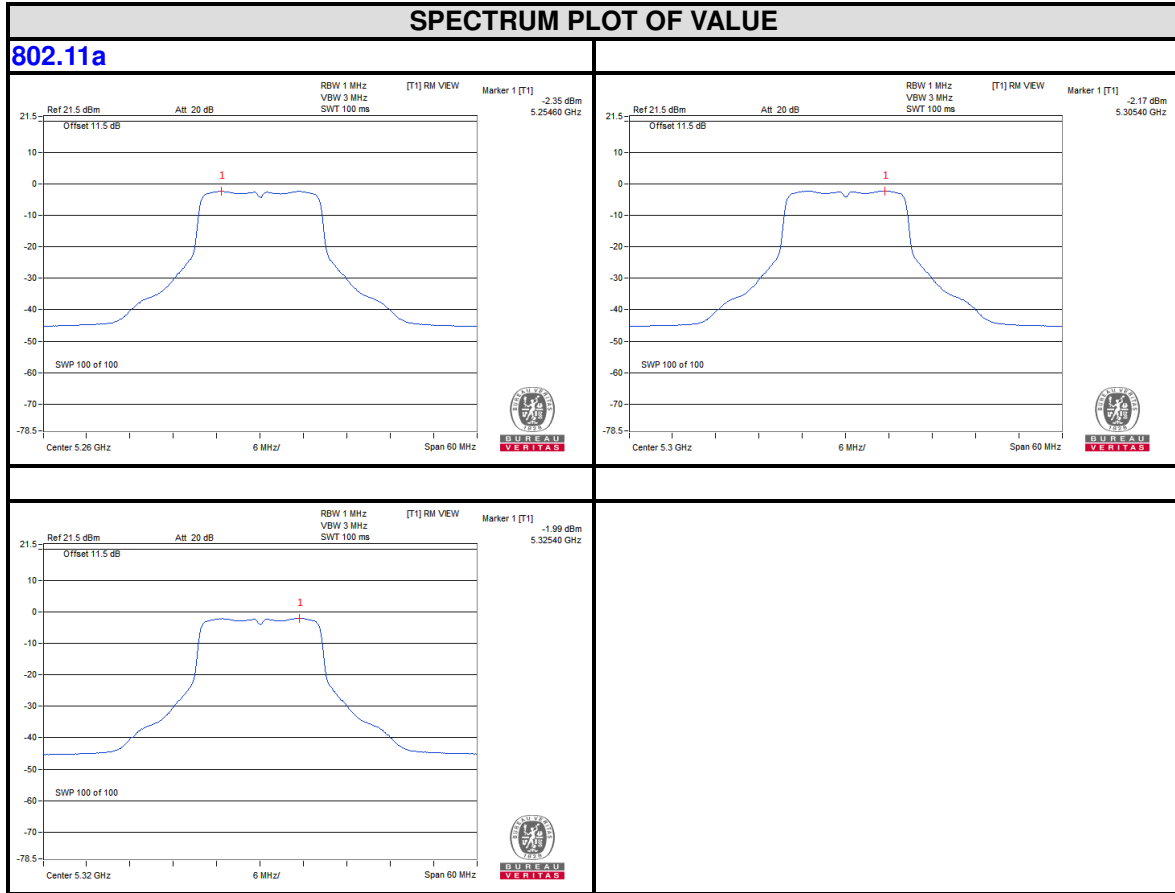
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BAND 2
5250-5350MHz



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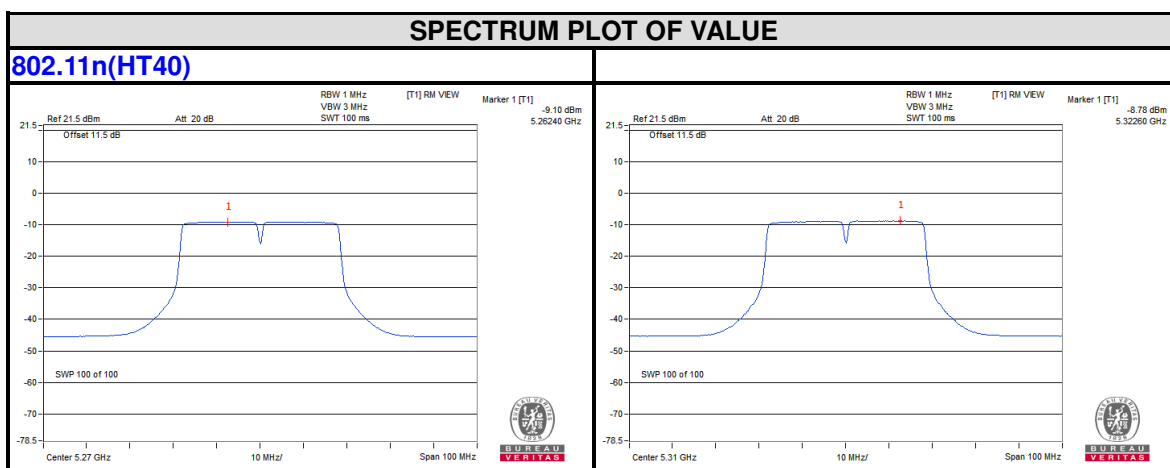
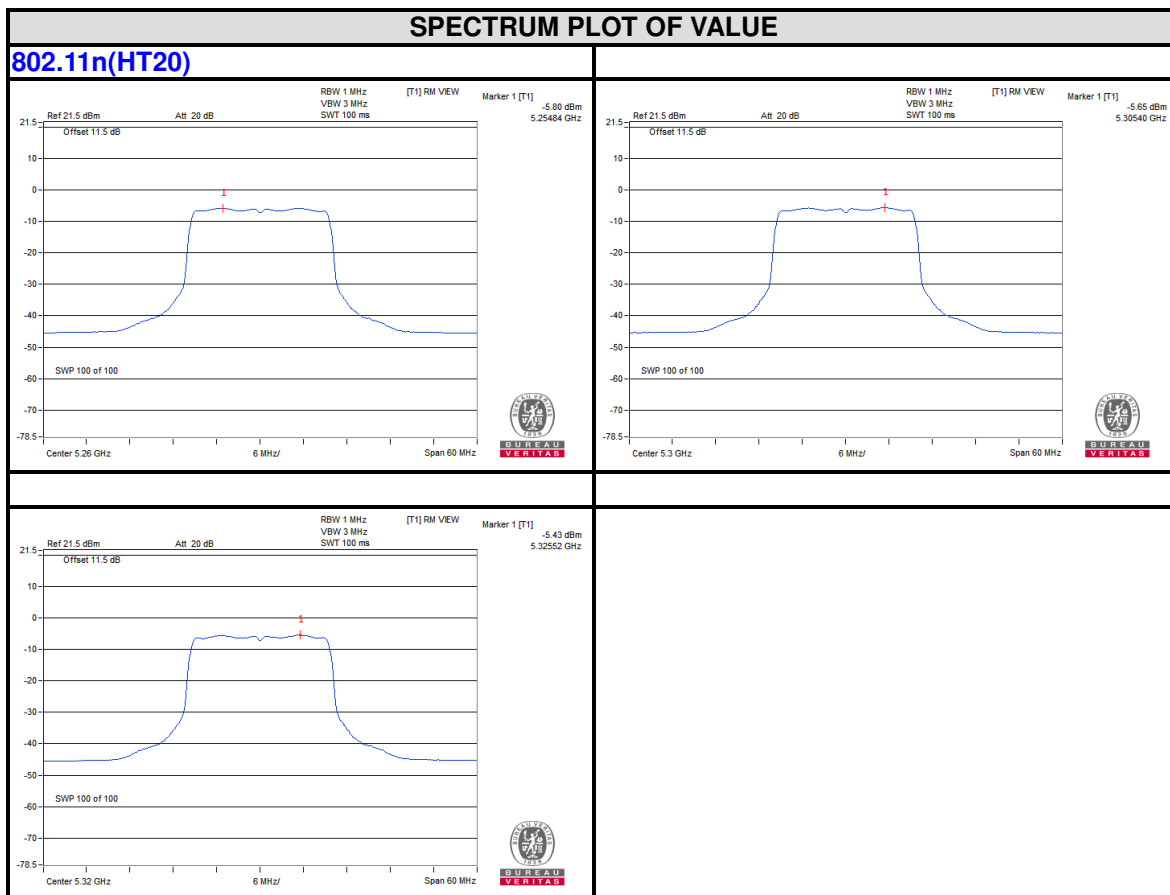
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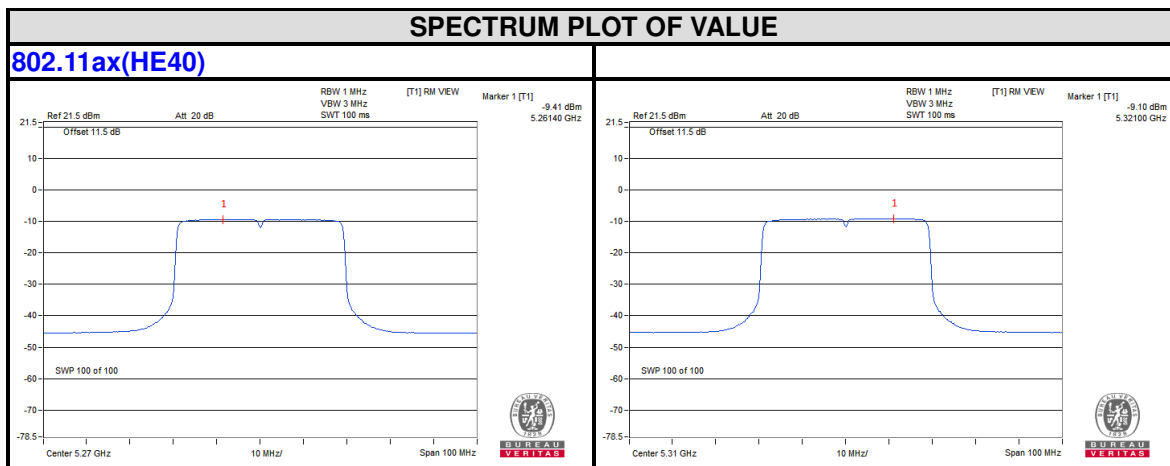
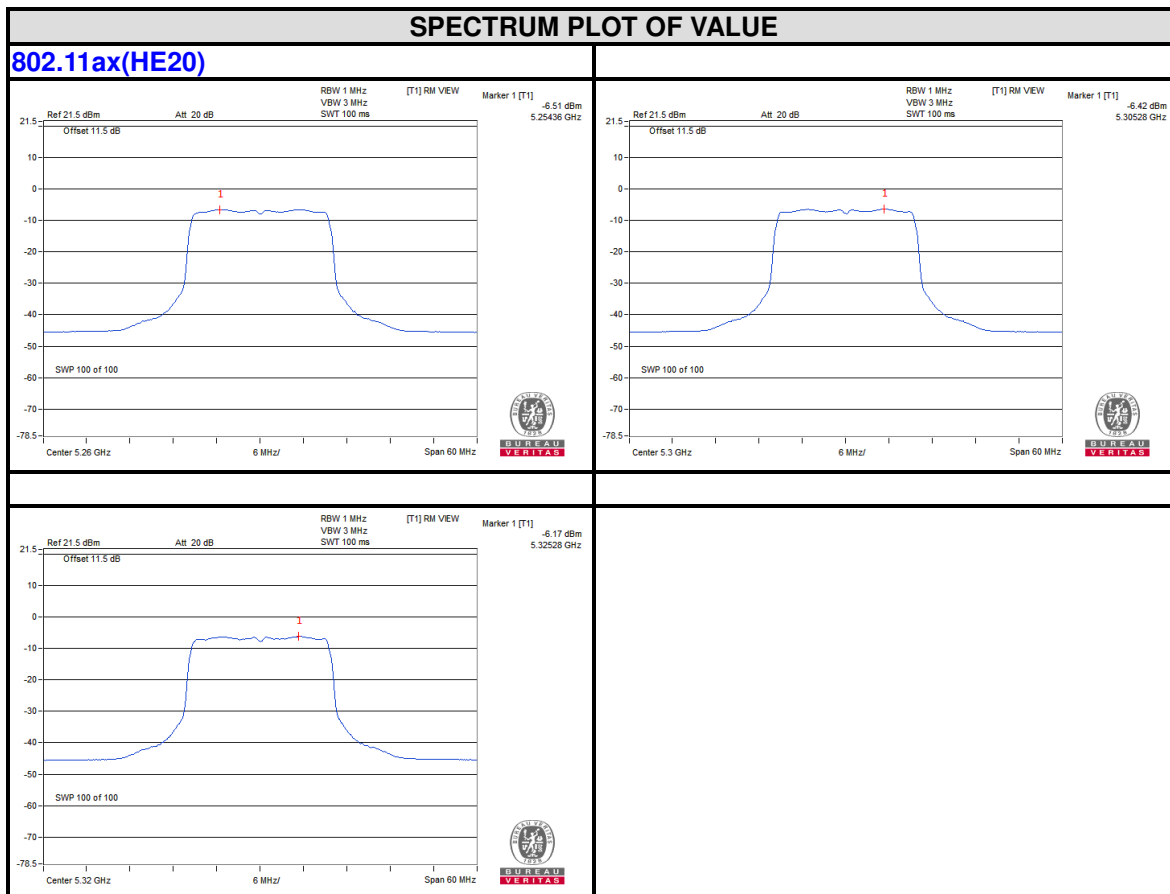
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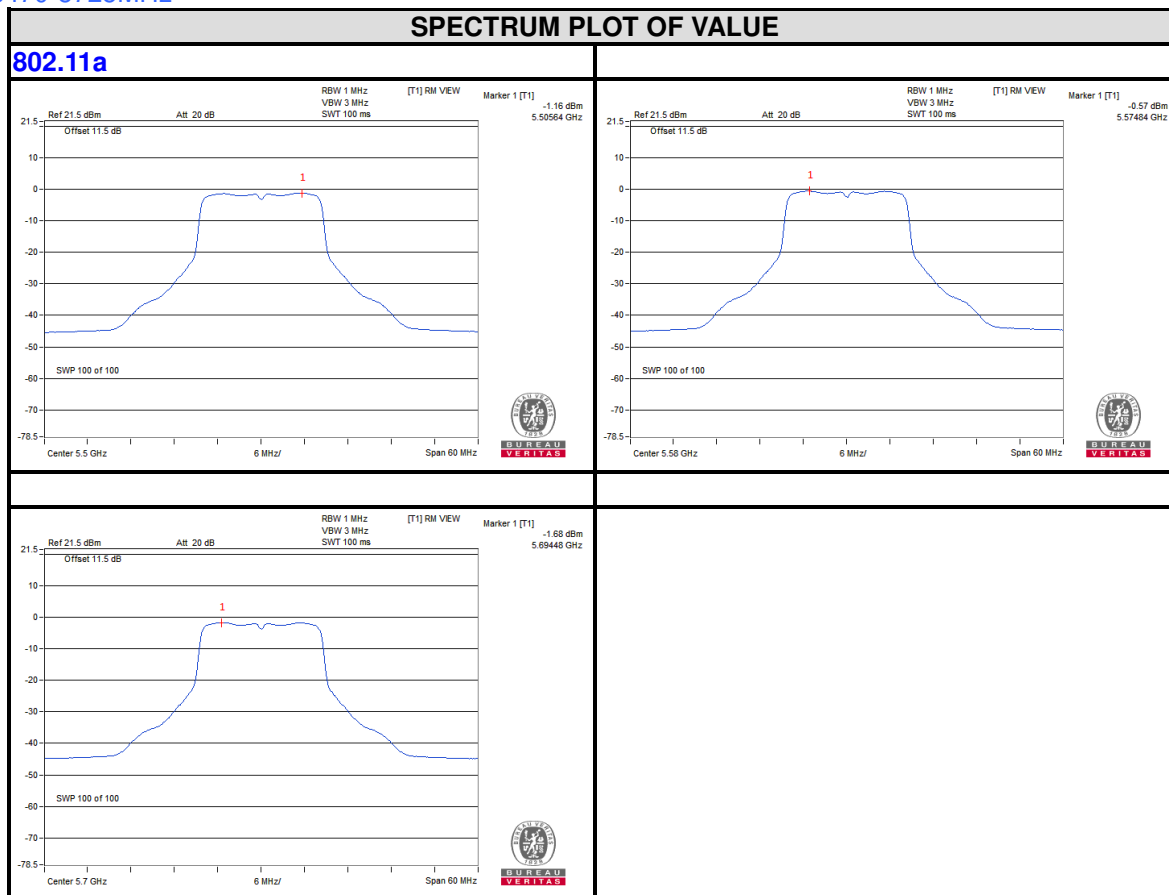
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BAND 3
5470-5725MHz



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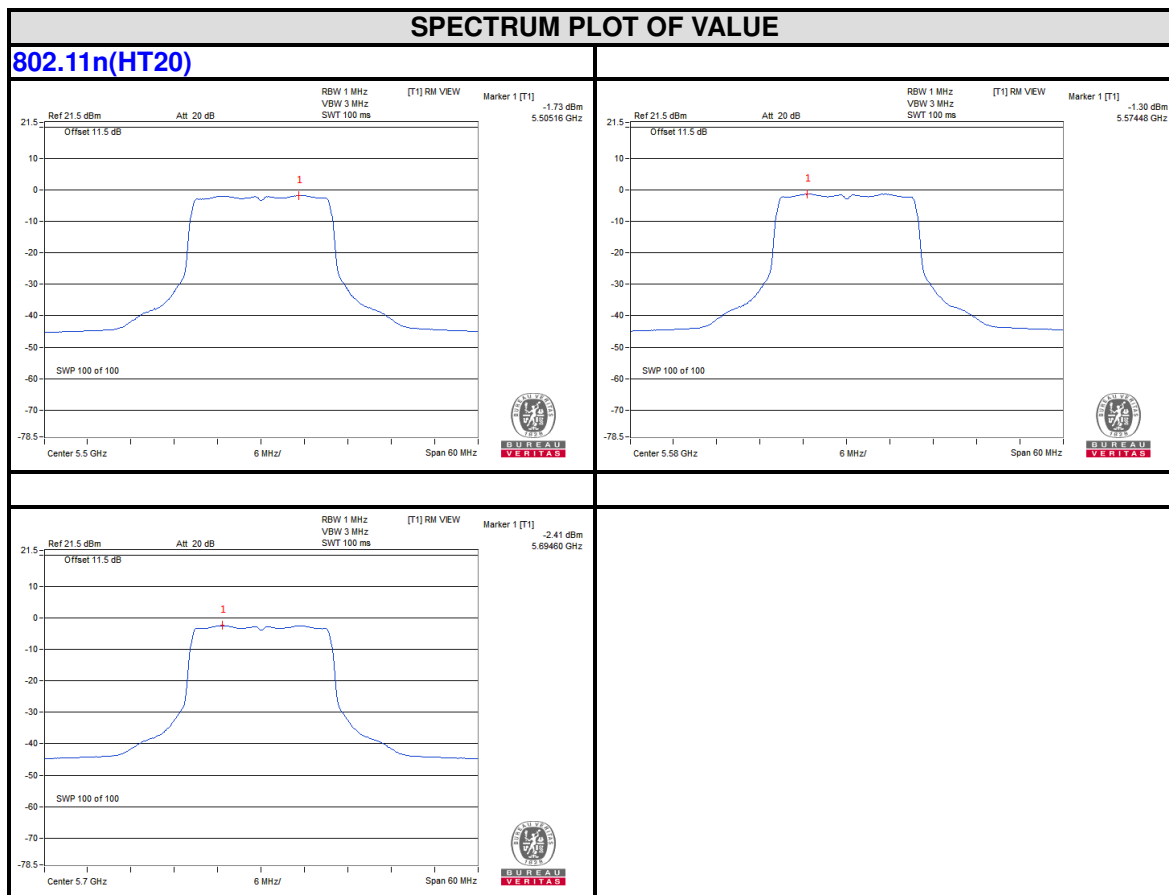
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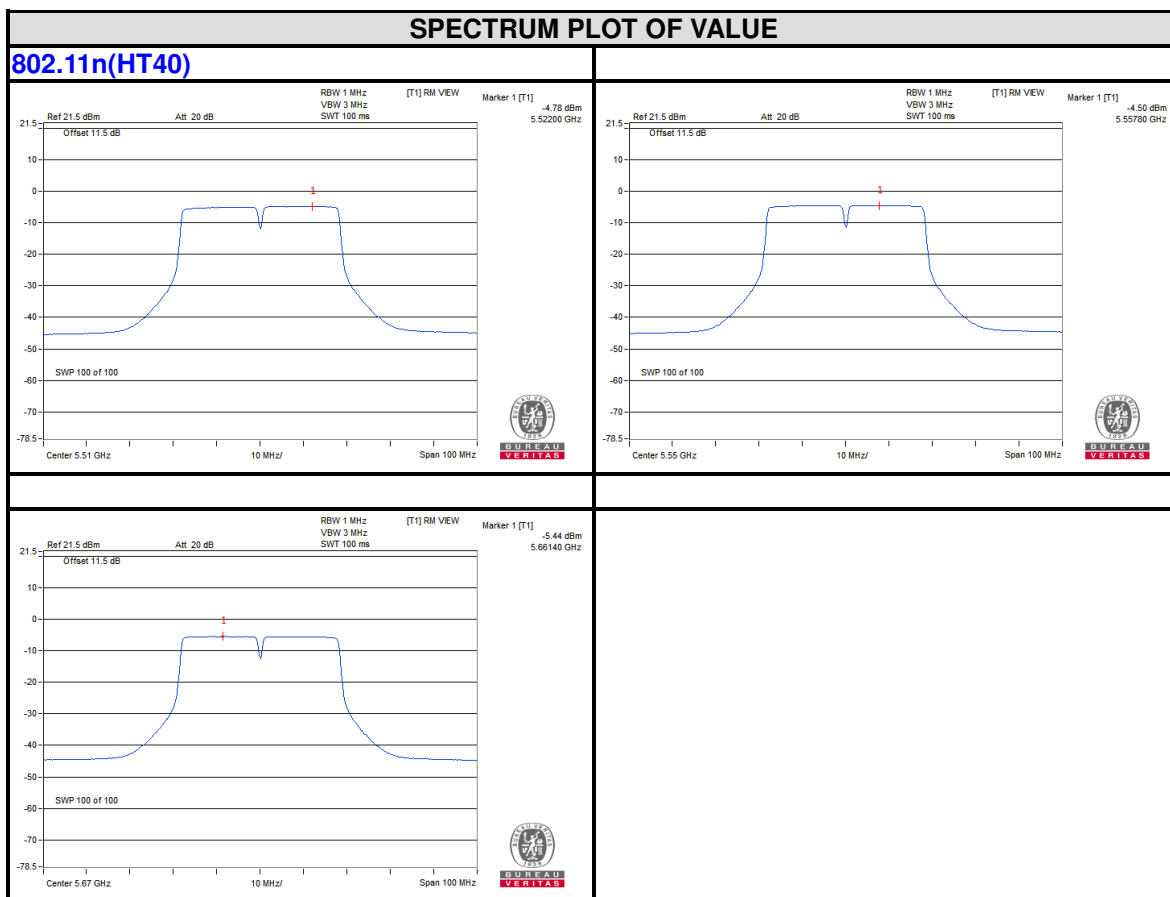
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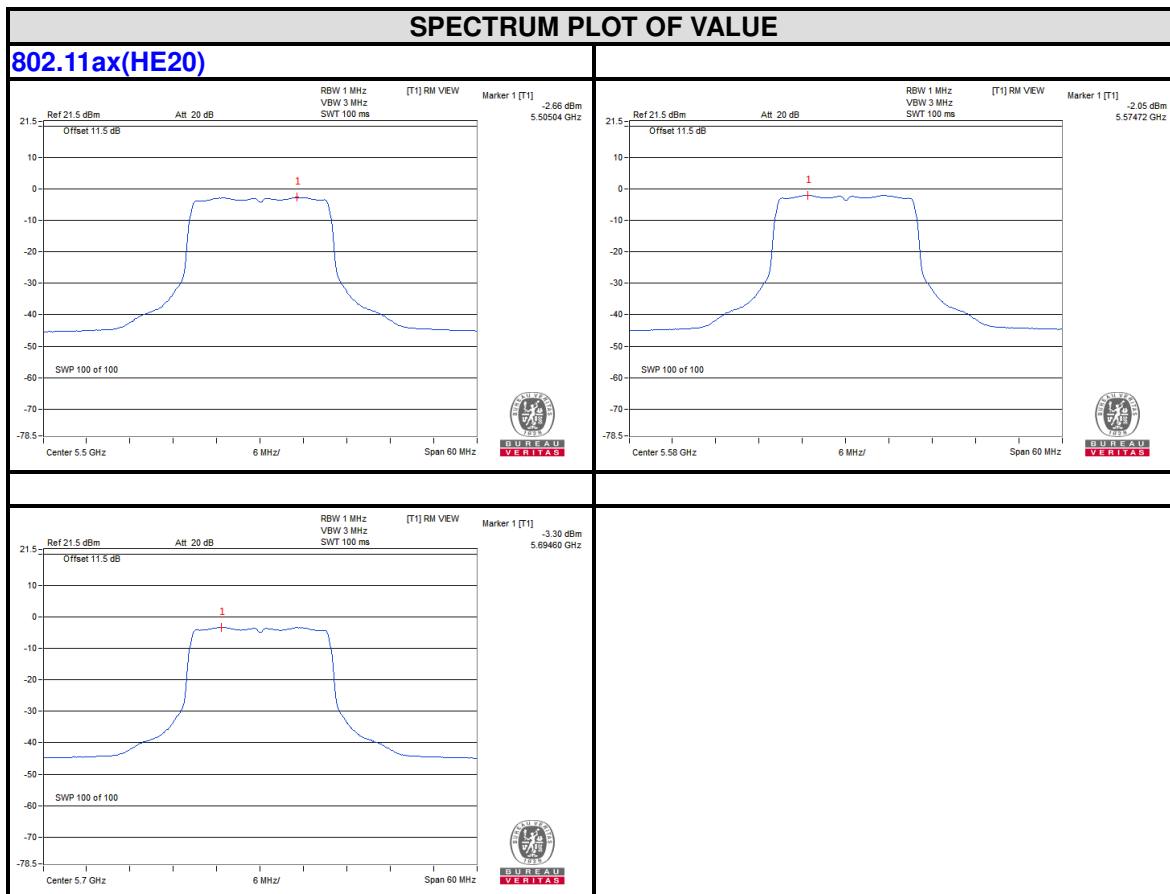
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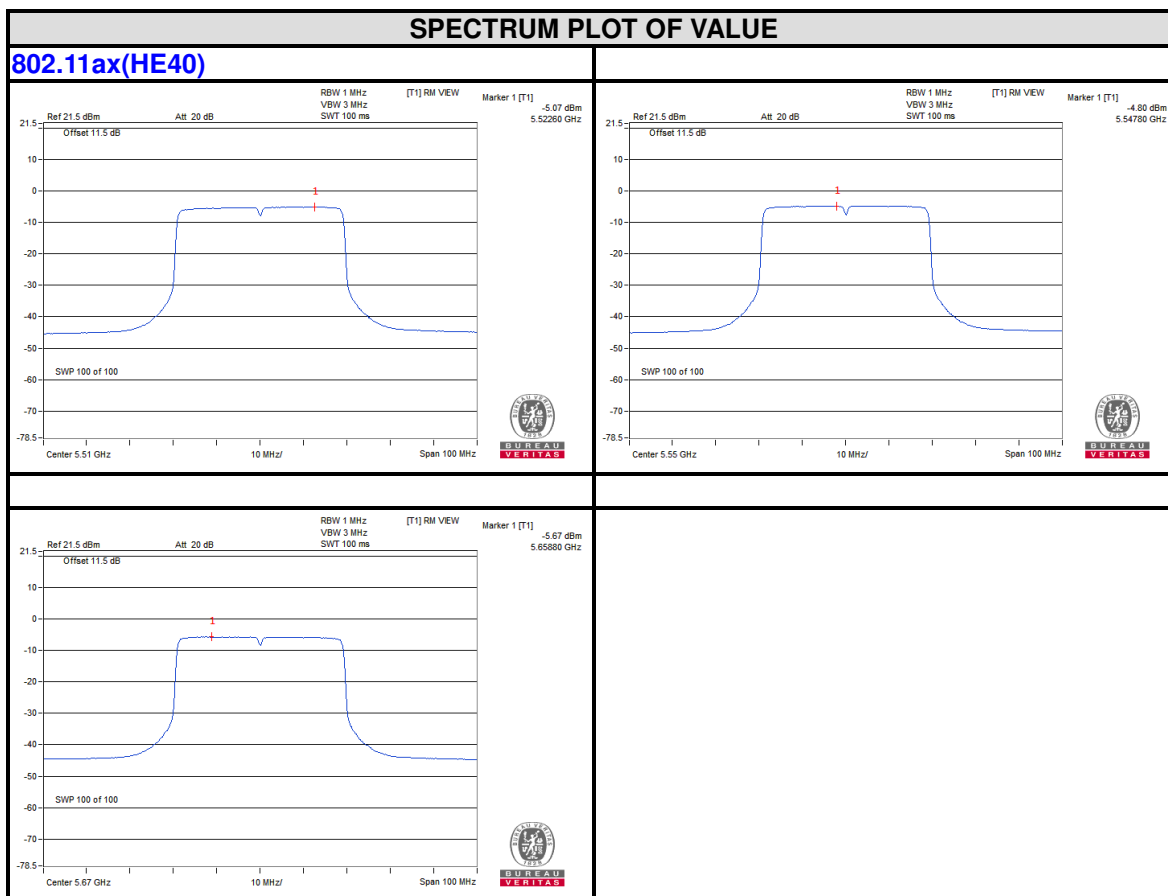
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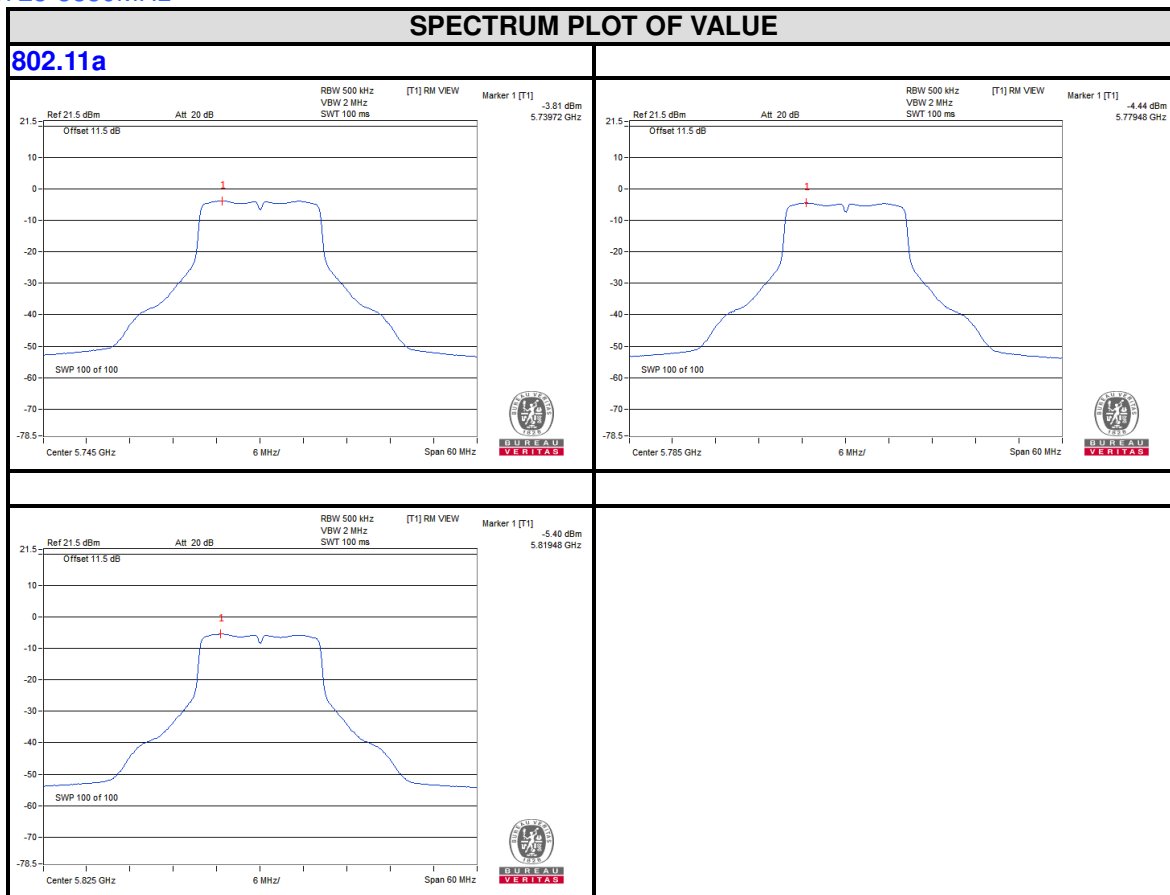
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BAND4
5725-5850MHz



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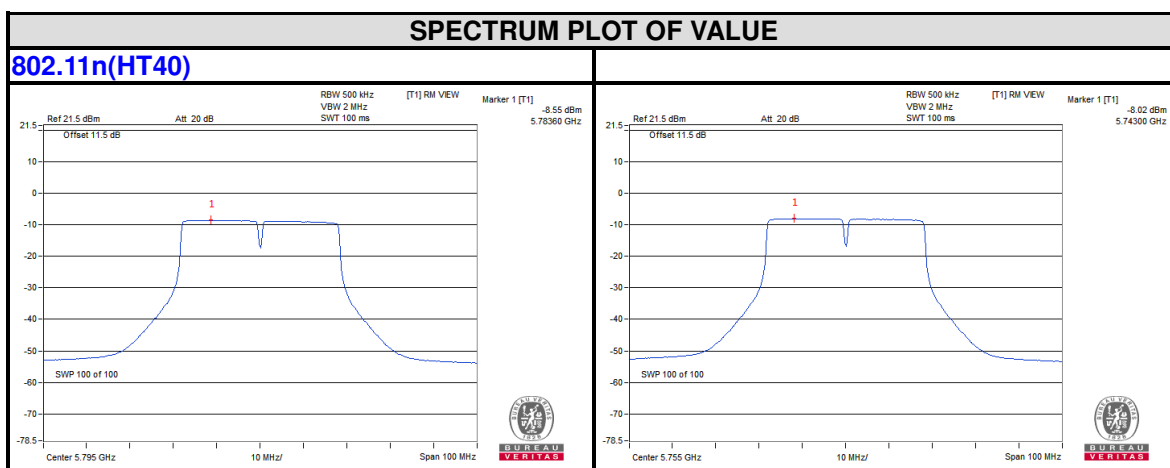
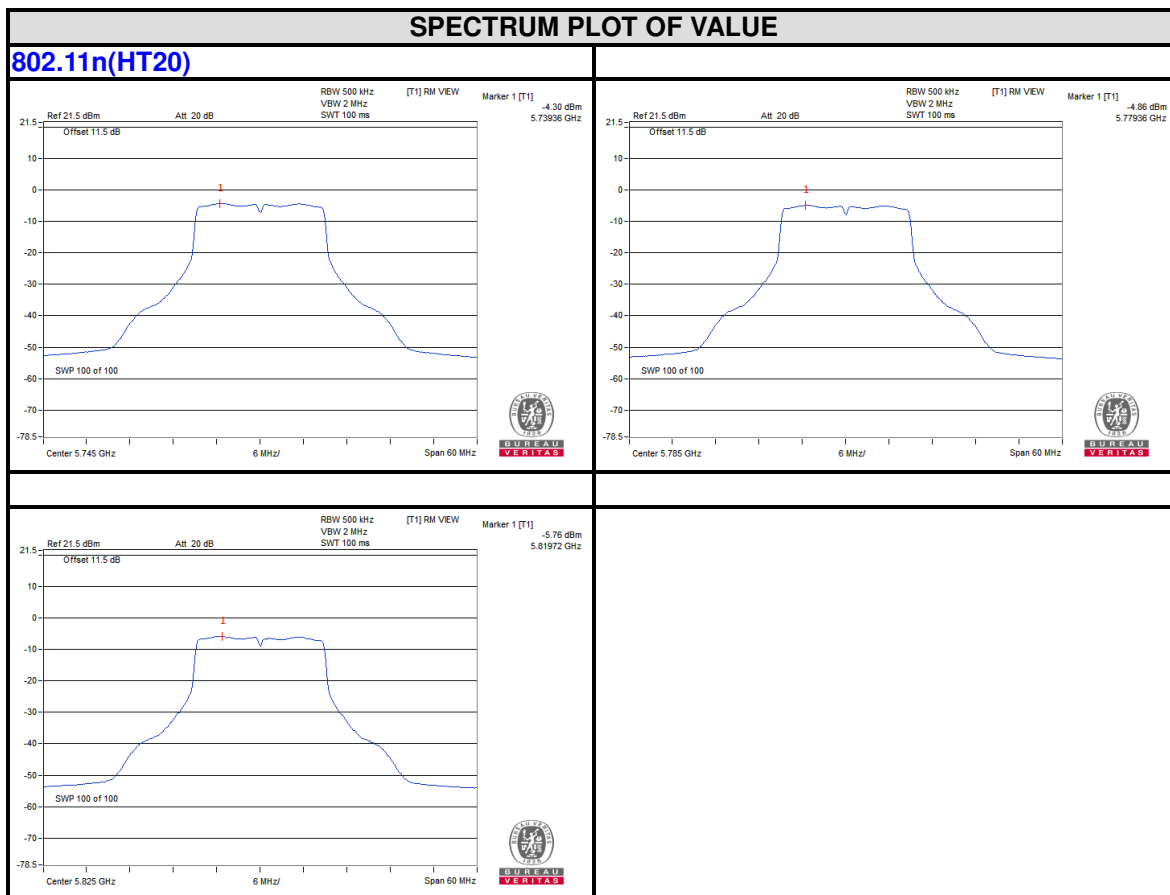
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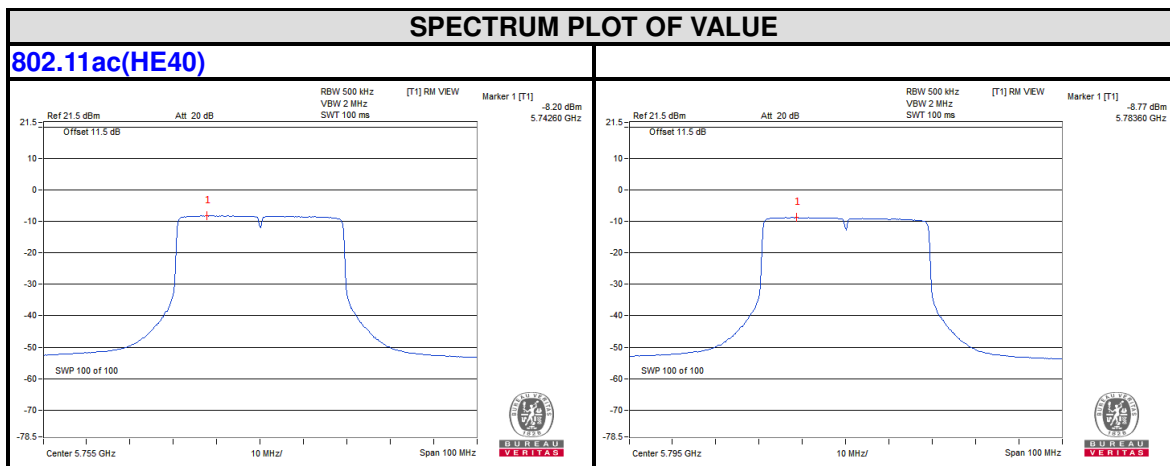
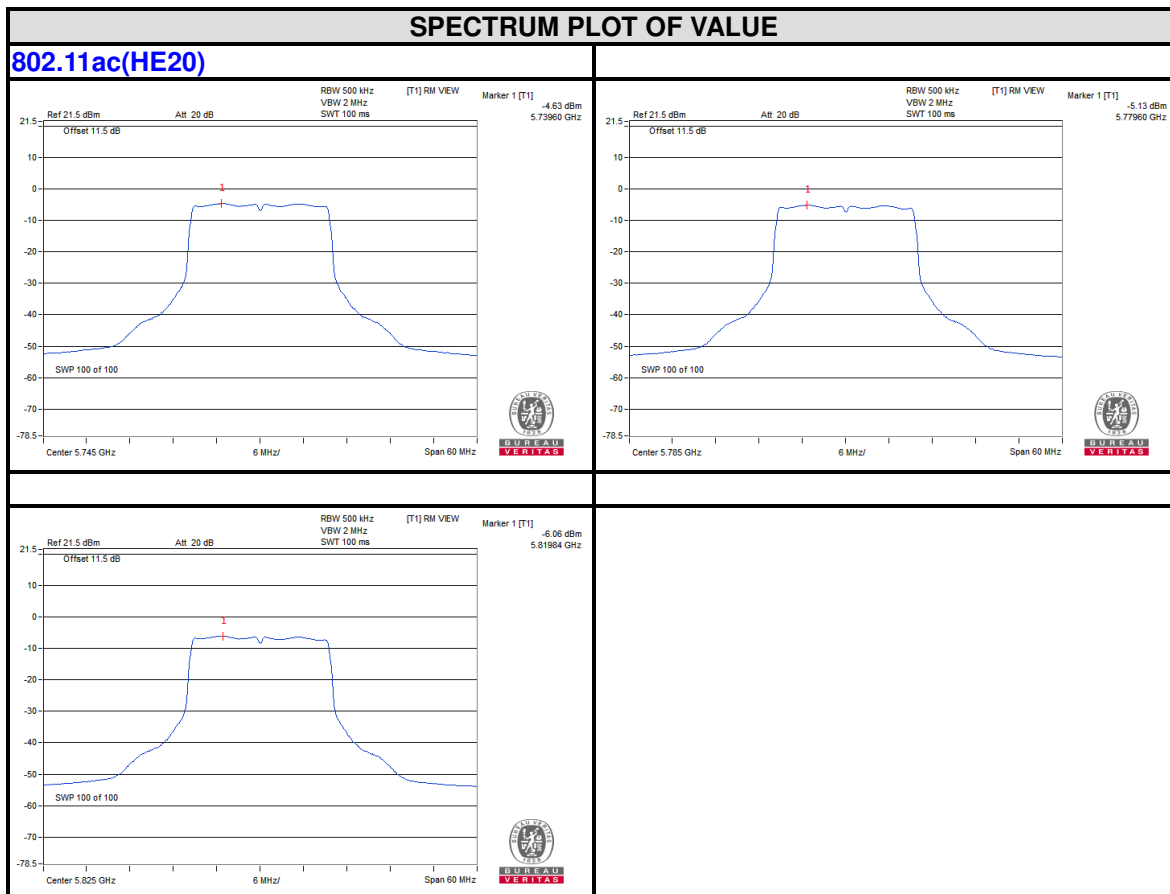
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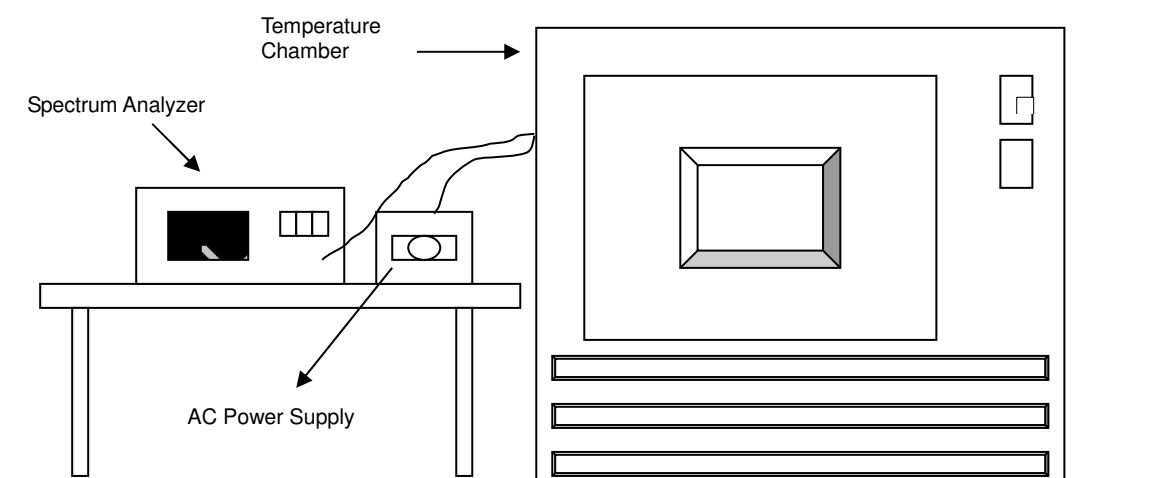
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3.5 FREQUENCY STABILITY

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.



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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.



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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	5179.9739	-0.00050	5179.9737	-0.00051	5179.9747	-0.00049	5179.9738	-0.00051
40	120	5180.0046	0.00009	5180.0042	0.00008	5180.003	0.00006	5180.0029	0.00006
30	120	5180.0004	0.00001	5180.0012	0.00002	5180.0014	0.00003	5180.004	0.00008
20	120	5180.02	0.00039	5180.0207	0.00040	5180.0221	0.00043	5180.0197	0.00038
10	120	5180.0017	0.00003	5180	0.00000	5180.0032	0.00006	5180.0028	0.00005
0	120	5180.0038	0.00007	5180.0004	0.00001	5179.9999	0.00000	5180.0019	0.00004
-10	120	5179.9797	-0.00039	5179.9815	-0.00036	5179.9809	-0.00037	5179.9796	-0.00039
-20	120	5179.9792	-0.00040	5179.9775	-0.00043	5179.9794	-0.00040	5179.9806	-0.00037
-30	120	5180.0143	0.00028	5180.0123	0.00024	5180.0112	0.00022	5180.0134	0.00026

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	5180.0205	0.00040	5180.0198	0.00038	5180.0225	0.00043	5180.0202	0.00039
	120	5180.02	0.00039	5180.0207	0.00040	5180.0221	0.00043	5180.0197	0.00038
	102	5180.0191	0.00037	5180.0217	0.00042	5180.0216	0.00042	5180.0201	0.00039



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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---