

FCC TEST REPORT

FCC ID:2A9UA-KT96MINI

Report Number..... : ZKT-221226L9670-04

Date of Test..... : Dec. 16, 2022 – Dec. 24, 2022

Date of issue : Dec. 24, 2022

Total number of pages : 73

Test Result : PASS

Testing Laboratory..... : **Shenzhen ZKT Technology Co., Ltd.**

Address : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name : Wells Electronic Technology Ltd.

Address : 4th floor, building 12, Nangang third industrial park, Tangtou, Shiyan Street, Bao'an District, Shenzhen, Guangdong, China

Manufacturer's name : Wells Electronic Technology Ltd.

Address : 4th floor, building 12, Nangang third industrial park, Tangtou, Shiyan Street, Bao'an District, Shenzhen, Guangdong, China

Test specification:

Standard : FCC CFR Title 47 Part 15 Subpart E Section 15.407
ANSI C63.10:2013

Test procedure..... : KDB 789033 D02 General U-NII Test Procedures New Rules v01r02

Non-standard test method : N/A

Test Report Form No. : TRF-EL-110_V0

Test Report Form(s) Originator : ZKT Testing

Master TRF : Dated: 2020-01-06

This device described above has been tested by ZKT, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Product name : TVBOX

Trademark :  WELLS ELECTRONIC TECHNOLOGY LTD

Model/Type reference : KT96MINI

Ratings..... : DC5.0V 2.0A from adapter

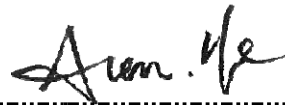
Testing procedure and testing location:**Testing Laboratory..... : Shenzhen ZKT Technology Co., Ltd.****Address..... : 1/F, No. 101, Building B, No. 6, Tangwei Community
Industrial Avenue, Fuhai Street, Bao'an District,
Shenzhen, China****Tested by (name + signature) : Alen He****Reviewer (name + signature)..... : Joe Liu****Approved (name + signature) : Lake Xie**

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1. VERSION

Report No.	Version	Description	Approved
ZKT-221226L9670-04	Rev.01	Initial issue of report	Dec. 24, 2022

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.407) , Subpart C			
Standard Section	Test Item	Result	Remark
15.203/15.247 (c)	Antenna requirement	PASS	
15.207	AC Power Line Conducted Emission	PASS	
15.407 (a) (b)	Spurious Radiated Emissions and Band Edge	PASS	
15.407 (e) /15.403(i)	6 dB bandwidth	PASS	
15.407 (a)	Power Spectral Density	PASS	
15.407 (a)(1)(2)(3)	Maximum conducted output power	PASS	
15.407 (g)	Frequency Stability	PASS	

NOTE: (1)" N/A" denotes test is not applicable in this Test Report

2.1 TEST FACILITY

Shenzhen ZKT Technology Co., Ltd.

Add. : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

FCC Test Firm Registration Number: 692225

Designation Number: CN1299

IC Registered No.: 27033

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %

No.	tem	ncertainty
1	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.3dB
2	3m chamber Radiated spurious emission(1GHz-18GHz)	U=4.5dB
3	3m chamber Radiated spurious emission(18GHz-40GHz)	U=3.34dB
4	Conducted Adjacent channel power	U=1.38dB
5	Conducted output power uncertainty Above 1G	U=1.576dB
6	Conducted output power uncertainty below 1G	U=1.28dB
7	humidity uncertainty	U=5.3%
8	Temperature uncertainty	U=0.59℃
9	Radiated disturbance(30MHz-1000MHz)	U=4.8dB
10	Radiated disturbance(1GHz-6GHz)	U=4.9dB
11	Radiated disturbance(1GHz-18GHz)	U=5.0dB

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Product Name:	TVBOX		
Model No.:	KT96MINI		
Serial No.:	/		
Hardware Version:	V1.0		
Software Version:	V1.0		
Sample(s) Status:	Engineer sample		
	IEEE802.11 WLAN mode supported	802.11a/n/ac(20MHz channel bandwidth) 802.11n/ac(40MHz channel bandwidth) 802.11 ac (80MHz channel bandwidth)	
	Date rate	802.11ac:MCS0-MCS9 802.11n: MCS0-MCS7 802.11a: 6.5-54Mbps	
	Modulation	OFDM/OFDMA	
	U-NII-3	Frequency Range	802.11 a/n/ac(20MHz) : 5745-5825 MHz 802.11 n/ac (40MHz): 5755-5795 MHz 802.11 ac (80MHz): 5775 MHz
		Channels	802.11 a/n/ac(20MHz) : 5 802.11 n/ac (40MHz): 2 802.11 ac (80MHz): 1
Antenna Type:	PCB antenna		
Antenna gain:	ANT1:4.63dBi ; ANT2:4.67dBi ; MIMO: 7.66dBi		
Power supply:	DC5.0V 2.0A from adapter		

Note: MIMO Gain= $10 \cdot \log[(10^{G1/20} + 10^{G2/20} + \dots)^2 / N_{ant}]$ dBi

U-NII-3	
CH.	Frequency (MHz)
149	5745
...	...
157	5785
...	...
165	5825

802.11a/n/ac(20MHz) Frequency / Channel Operations

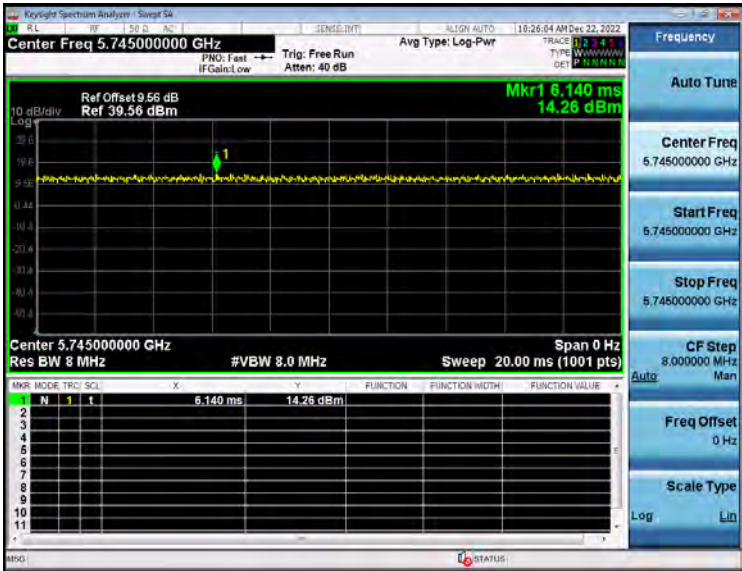
U-NII-3	
CH.	Frequency (MHz)
151	5755
159	5795

802.11n /ac(40MHz BW) Frequency / Channel Operations

U-NII-3	
CH.	Frequency (MHz)
155	5775

802.11ac (80MHz BW) Frequency / Channel Operations

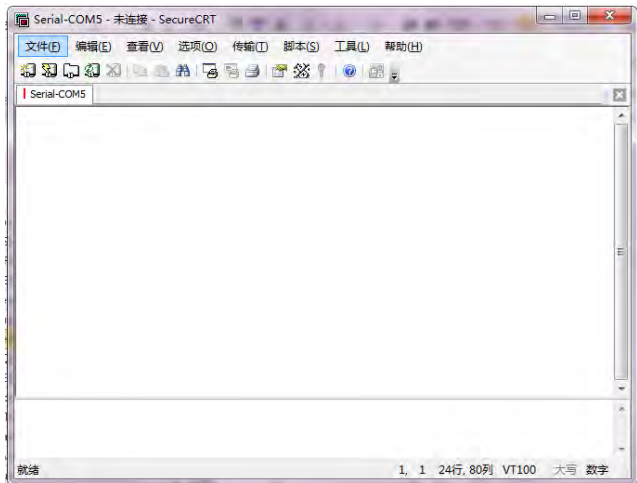
3.2 DESCRIPTION OF TEST MODES

Transmitting mode	Keep the EUT in continuously transmitting mode
Remark: During the test, the duty cycle is 100%, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data. 	

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Pre-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Mode	802.11a	802.11n (HT20&HT40)	802.11ac (VHT20&VHT40&VHT80)
Data rate	54Mbps	MCS7	MCS7

Test Software	Test Tool 
Power level setup	<10dBm

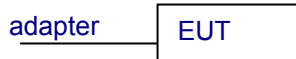
3.3 DESCRIPTION OF TEST MODES

Worst Case Configuration: transmitting both 2.4GHz mode and 5GHz mode

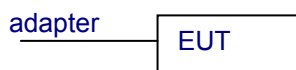
Description	5GHz Emission
Antenna	MIMO
Channel	149
Operating Frequency (MHz)	802.11n20
Data Rate (Mbps)	OFDM/MCS11
Mode	U-NII-3 -5745MHz

3.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted Emission



Radiated Emission



Conducted Spurious



3.5 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
1	adapter	Shenzhen Rongweixin Electronics Co.,Ltd.	R122-0502500UD	/	SDOC
2					

Item	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

3.6EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	9020A	MY55370835	Oct. 18, 2022	Oct. 17, 2023
2	Spectrum Analyzer (1GHz-40GHz)	R&S	FSQ	100363	Oct. 17, 2022	Oct. 16, 2023
3	EMI Test Receiver (9kHz-7GHz)	R&S	ESCI7	101169	Oct. 18, 2022	Oct. 17, 2023
4	Bilog Antenna (30MHz-1500MHz)	Schwarzbeck	VULB9168	N/A	Oct. 17, 2022	Oct. 16, 2023
5	Horn Antenna (1GHz-18GHz)	Agilent	AH-118	071145	Oct. 17, 2022	Oct. 16, 2023
6	Loop Antenna	TESEQ	HLA6121	58357	Oct. 17, 2022	Oct. 16, 2023
7	Amplifier (30-1000MHz)	EM Electronics	EM330 Amplifier	060747	Oct. 17, 2022	Oct. 16, 2023
8	Amplifier (1GHz-26.5GHz)	Agilent	8449B	3008A00315	Oct. 18, 2022	Oct. 17, 2023
9	RF cables1 (9kHz-30MHz)	N/A	9kHz-30MHz	N/A	Oct. 18, 2022	Oct. 17, 2023
10	RF cables2 (30MHz-1GHz)	N/A	30MHz-1GHz	N/A	Oct. 18, 2022	Oct. 17, 2023
11	RF cables3 (1GHz-40GHz)	N/A	1GHz-40GHz	N/A	Oct. 18, 2022	Oct. 17, 2023
12	ESG Signal Generator	Agilent	E4421B	N/A	Oct. 18, 2022	Oct. 17, 2023
13	Signal Generator	Agilent	N5182A	N/A	Oct. 22, 2022	Oct. 21, 2023
14	Magnetic Field Probe Tester	Narda	ELT-400	0-0344	Oct. 17, 2022	Oct. 16, 2023
15	MWRF Power Meter Test system	MW	MW100-RPC B	N/A	Oct. 22, 2022	Oct. 21, 2023
16	Power sensor	KEYSIGHT	U200H	MY51190005	Oct. 22, 2022	Oct. 21, 2023
17	D.C. Power Supply	LongWei	TPR-6405D	N/A	Oct. 22, 2022	Oct. 21, 2023
18	EMC Software	Frad	EZ-EMC	Ver.EMC-CON 3A1.1	\	\
19	RF Software	MW	MTS8310	V2.0.0.0	\	\
20	Turntable	MF	MF-7802BS	N/A	\	\
21	Antenna tower	MF	MF-7802BS	N/A	\	\

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	LISN	R&S	ENV216	101471	Oct. 22, 2022	Oct. 21, 2023
2	LISN	CYBERTEK	EM5040A	E1850400149	Oct. 22, 2022	Oct. 21, 2023
3	Test Cable	N/A	C01	N/A	Oct. 18, 2022	Oct. 17, 2023
4	Test Cable	N/A	C02	N/A	Oct. 18, 2022	Oct. 17, 2023
5	EMI Test Receiver	R&S	ESCI3	101393	Oct. 17, 2022	Oct. 16, 2023
6	EMC Software	Frad	EZ-EMC	Ver.EMC-CON 3A1.1	\	\

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10:2013
Test Frequency Range:	150KHz to 30MHz
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto

4.1.1 POWER LINE CONDUCTED EMISSION LIMITS

FREQUENCY (MHz)	Limit (dBuV)		Standard
	Quasi-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

(1) *Decreases with the logarithm of the frequency.

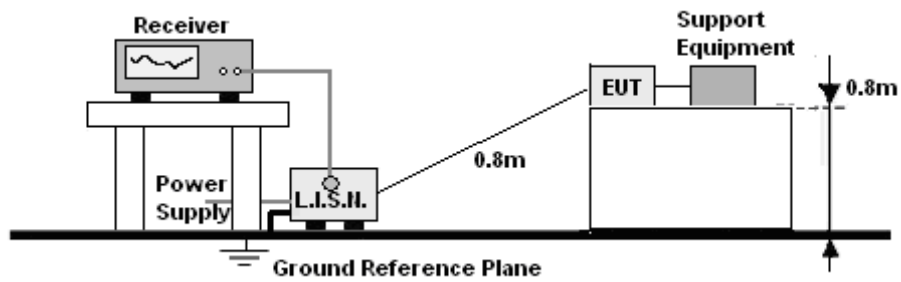
4.1.2 TEST PROCEDURE

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10:2013.
2. Support equipment, if needed, was placed as per ANSI C63.10:2013
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10:2013.
4. The adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5. All support equipments received AC power from a second LISN, if any.
6. The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.e.
- 8 For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



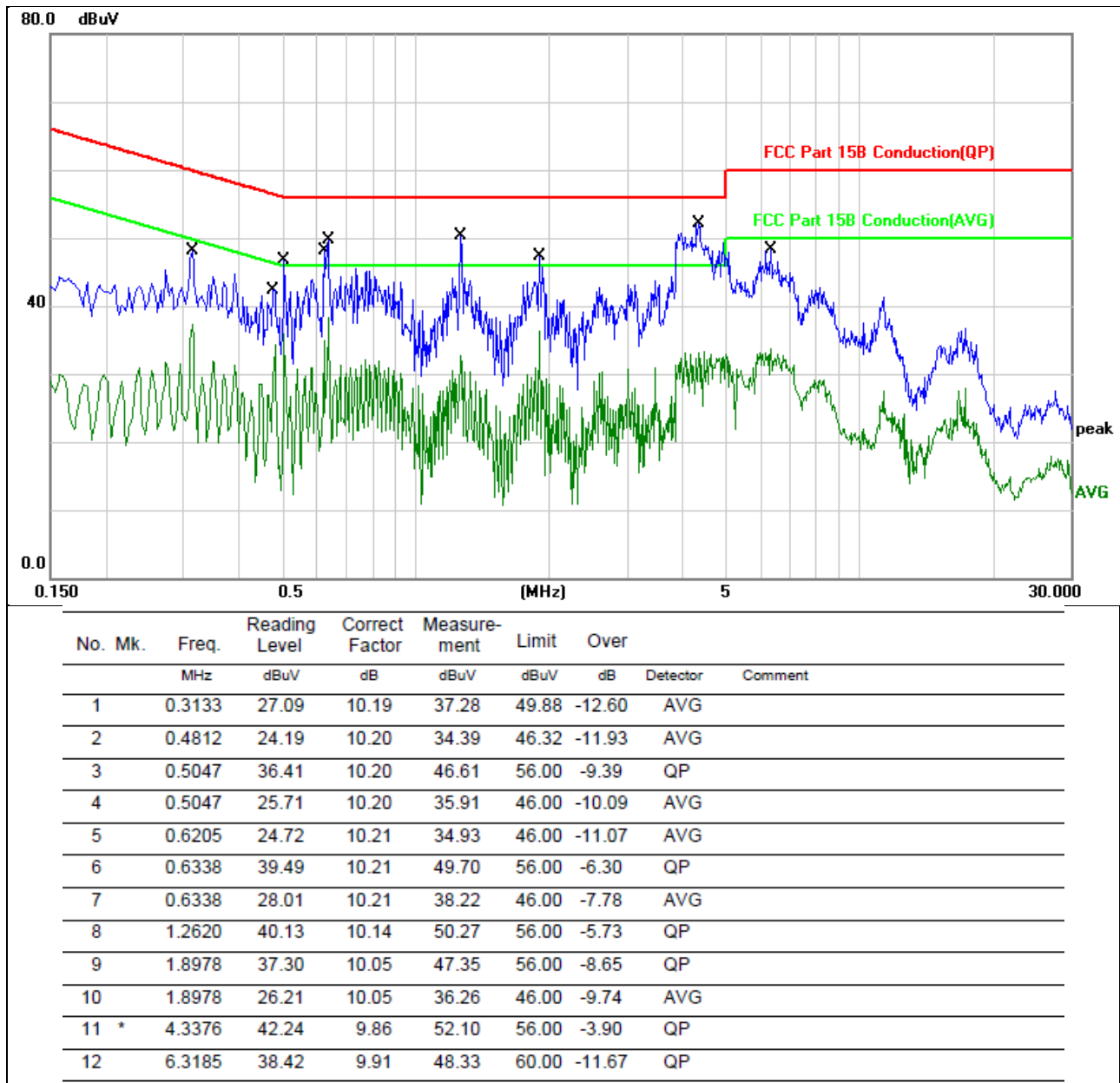
4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

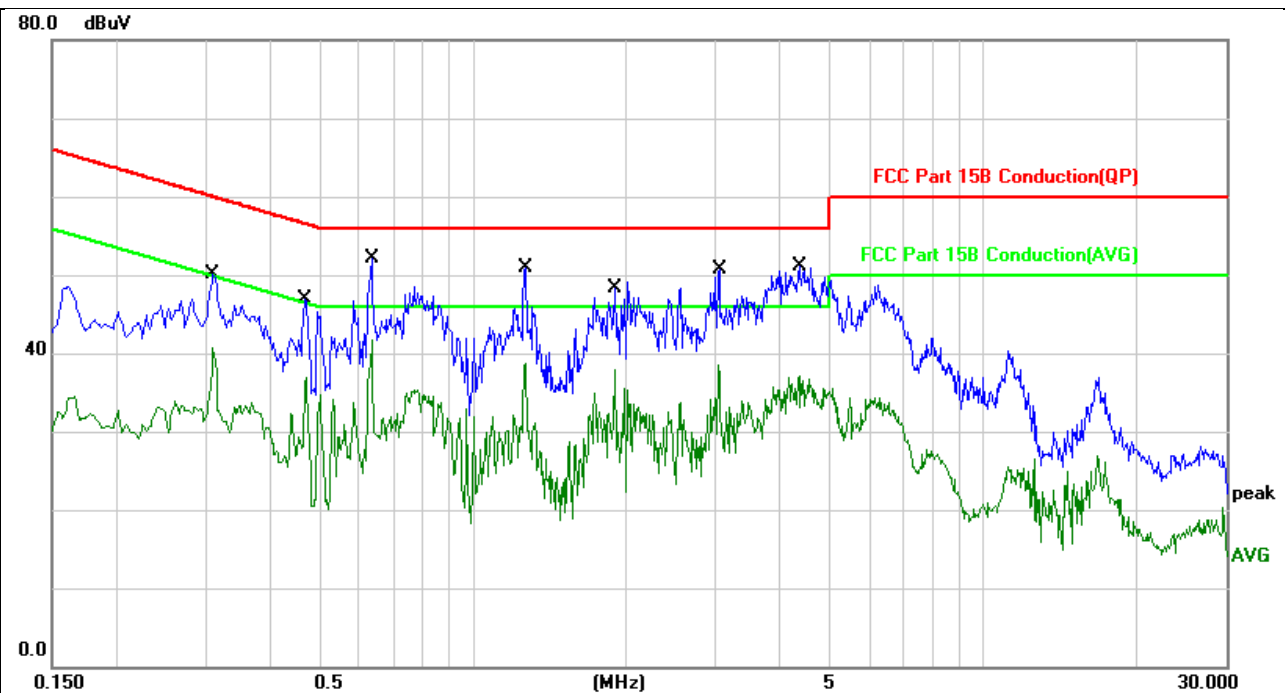
We pretest AC 120V , the worst voltage was AC 120V and the data recording in the report.

4.1.6 TEST RESULT

Temperature :	26°C	Relative Humidity:	54%
Pressure :	101kPa	Phase :	L
Test Voltage :	AC 120V/60Hz		



Temperature :	26°C	Relative Humidity:	54%
Pressure :	101kPa	Phase :	N
Test Voltage :	AC 120V/60Hz		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3099	39.87	10.19	50.06	59.97	-9.91	QP	
2		0.3099	30.49	10.19	40.68	49.97	-9.29	AVG	
3		0.4686	36.77	10.20	46.97	56.54	-9.57	QP	
4	*	0.6338	41.86	10.21	52.07	56.00	-3.93	QP	
5		0.6338	31.49	10.21	41.70	46.00	-4.30	AVG	
6		1.2687	40.77	10.14	50.91	56.00	-5.09	QP	
7		1.2687	28.47	10.14	38.61	46.00	-7.39	AVG	
8		1.8978	27.83	10.05	37.88	46.00	-8.12	AVG	
9		3.0253	28.58	9.86	38.44	46.00	-7.56	AVG	
10		3.0412	40.82	9.86	50.68	56.00	-5.32	QP	
11		4.3605	41.16	9.87	51.03	56.00	-4.97	QP	
12		4.3605	27.13	9.87	37.00	46.00	-9.00	AVG	

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Measurement Level = Reading level + Correct Factor
4. The test data shows only the worst case- MIMO (5.8G-802.11ac-VHT20 high channel)

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

1. Radiated emissions from 9 kHz to 25 GHz were measured according to the methods defines in ANSI C63.10-2013. The EUT was placed above the ground plane, 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz. The interface cable and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions.
2. For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz.
3. For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.
4. For transmitters operating in the 5470-5600 MHz and 5650-5725 MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725 MHz band shall not exceed an EIRP of -27 dBm/MHz.
5. KDB789033v02r01G)2)c) As specified in 15.407(b), emissions above 1000 MHz that are out side of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.

According to §15.209(a), except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following 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

LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

4.2.2 TEST PROCEDURE

Below 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 0.1 meters above the ground at a 3 meter 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 variable-height antenna tower.
- c. The antenna 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) 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.

Above 1GHz test procedure as below:

- g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change from table 0.8 metre to 1.5 metre (Above 18GHz the distance is 1 meter and table is 1.5 metre).
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel

Note:

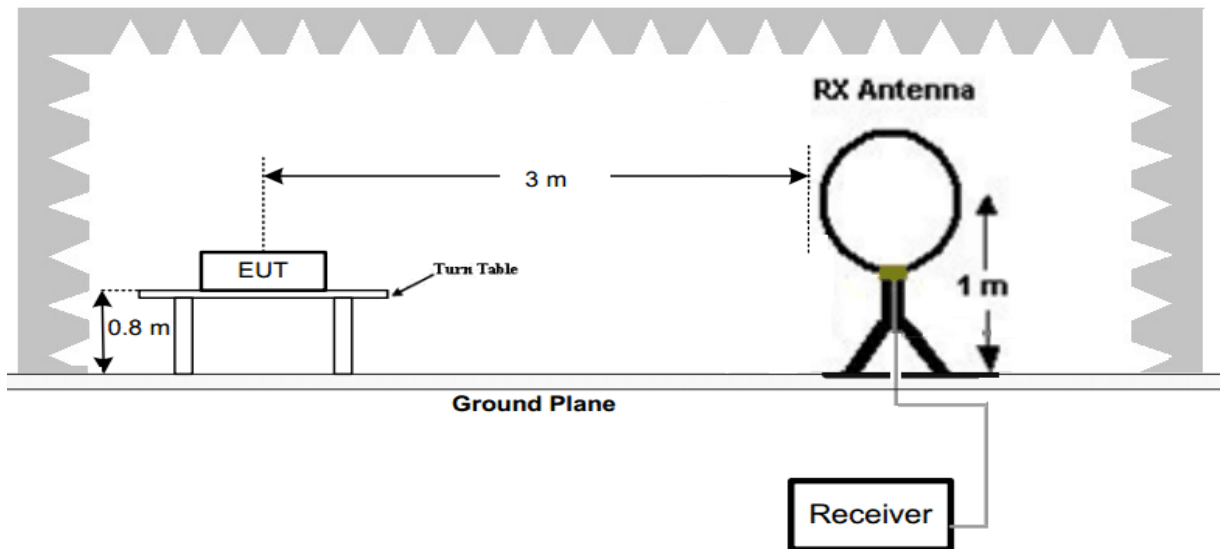
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

4.2.3 DEVIATION FROM TEST STANDARD

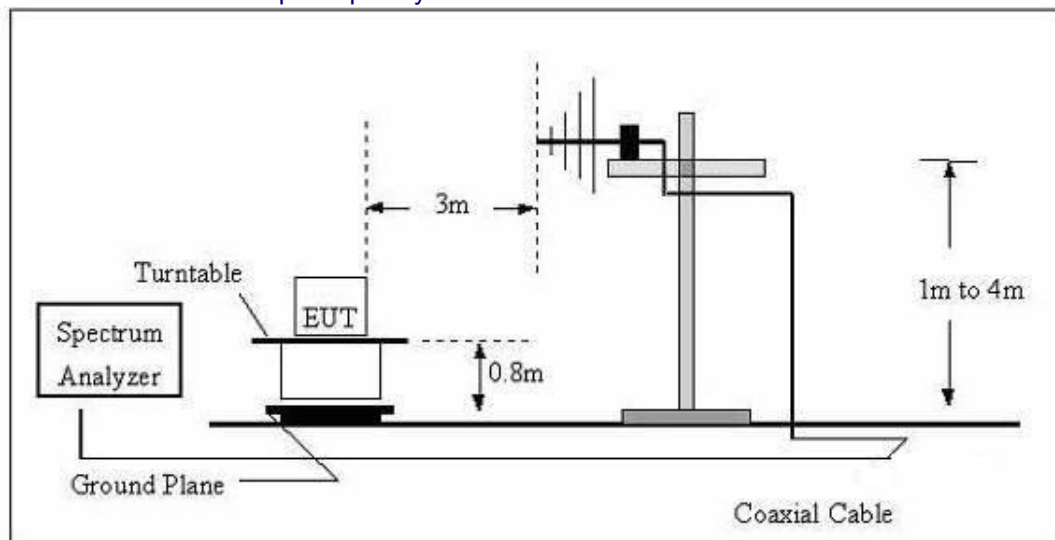
No deviation

4.2.4 TEST SETUP

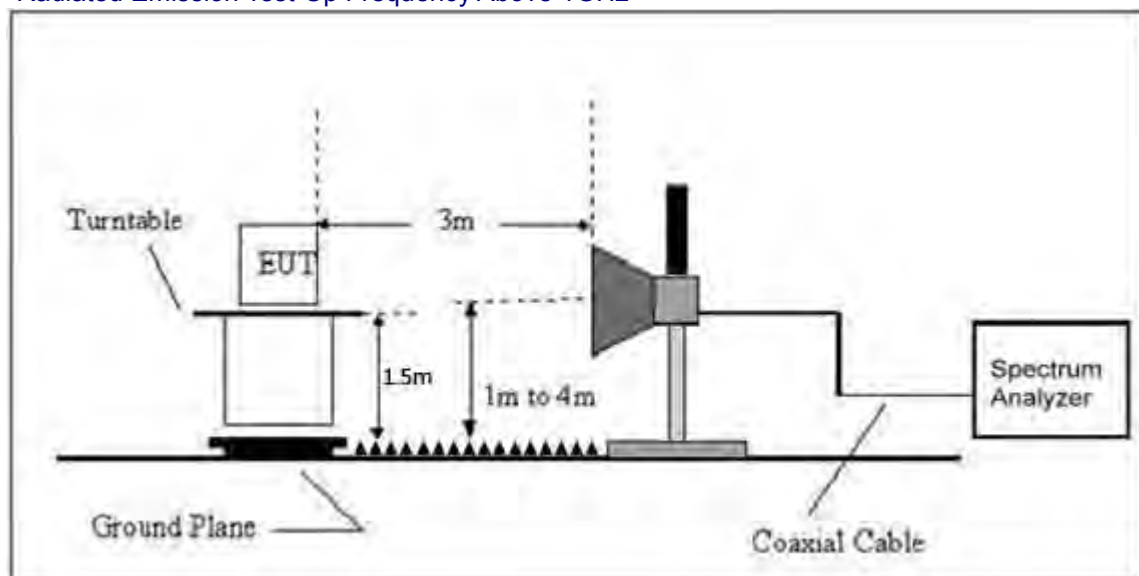
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



4.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

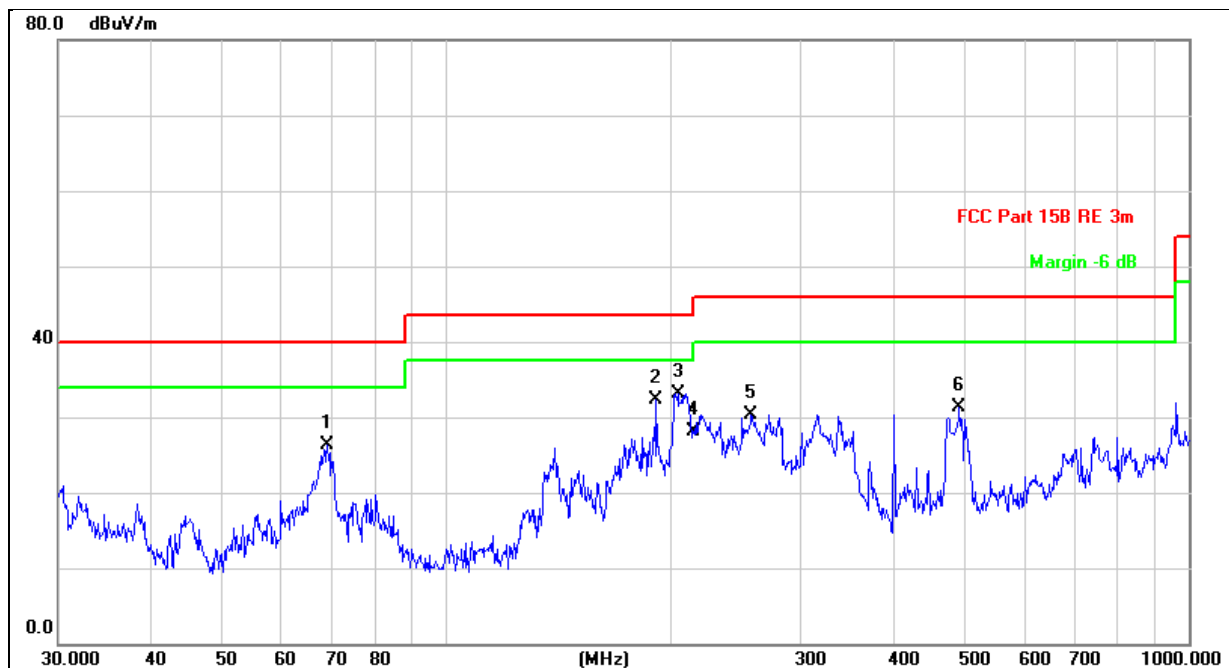
4.2.6 TEST RESULTS

Between 9KHz – 30MHz

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o) & RSS-Gen 6.13, the test result no need to reported.

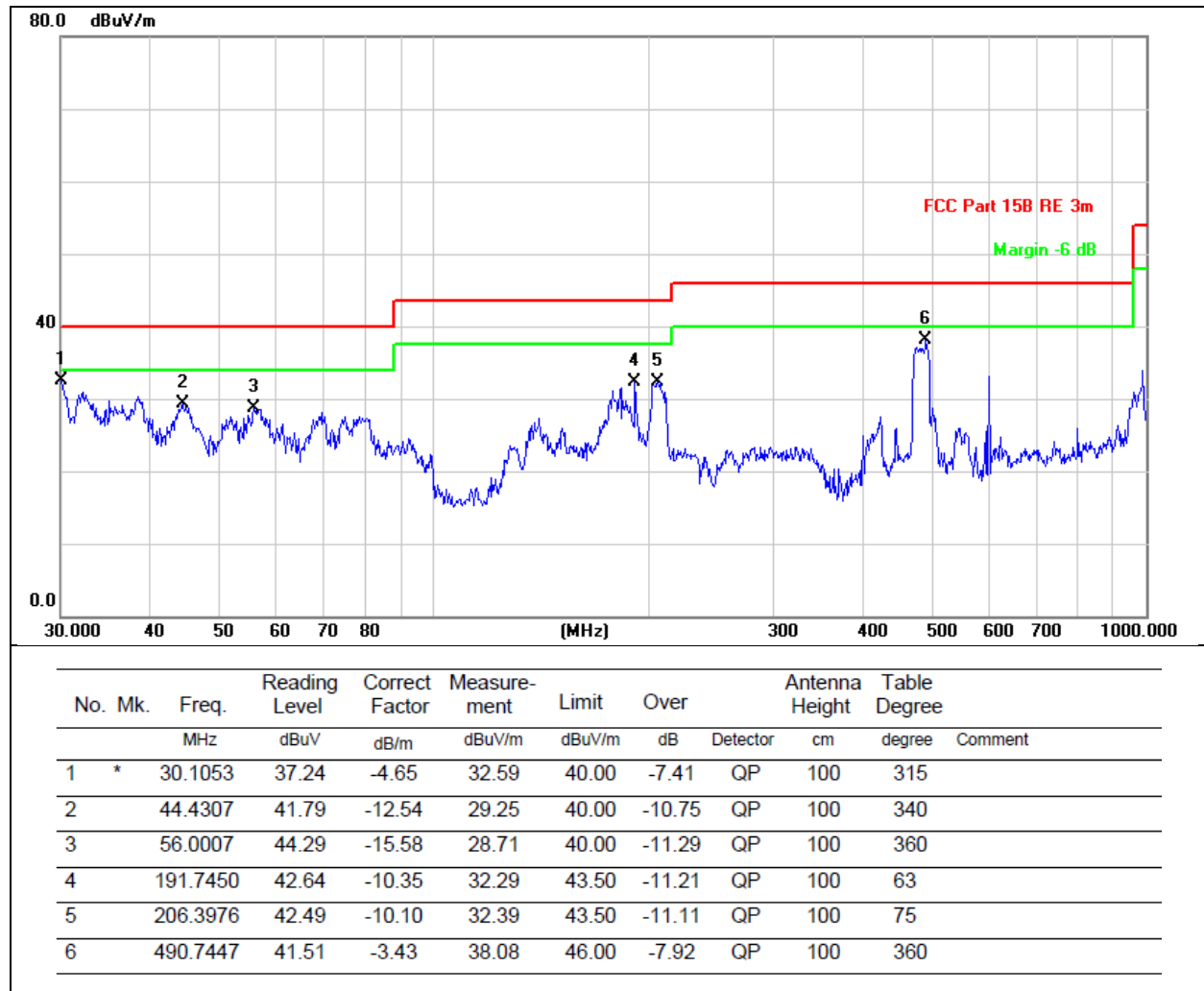
Between 30MHz – 1GHz

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	AC 120V/60Hz		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree	Comment
1		69.1140	41.47	-15.15	26.32	40.00	-13.68	QP	100	45	
2		191.7450	42.60	-10.35	32.25	43.50	-11.25	QP	100	288	
3	*	204.9550	43.26	-10.08	33.18	43.50	-10.32	QP	100	290	
4		215.2677	38.25	-10.24	28.01	43.50	-15.49	QP	100	259	
5		257.4221	40.66	-10.33	30.33	46.00	-15.67	QP	100	30	
6		490.7447	34.78	-3.43	31.35	46.00	-14.65	QP	100	355	

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	AC 120V/60Hz		



Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. The test data shows only the worst case- MIMO (5.8G-802.11ac-VHT20 high channel)

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Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5745MHz									
V	11490	47.23	30.55	5.77	24.66	47.11	74.00	-26.89	PK
V	11490	36.73	30.55	5.77	24.66	36.61	54.00	-17.39	AV
V	17235	49.62	30.33	6.32	24.55	50.16	74.00	-23.84	PK
V	17235	39.11	30.33	6.32	24.55	39.65	54.00	-14.35	AV
V	22980	50.70	30.85	7.45	24.69	51.99	74.00	-22.01	PK
V	22980	40.85	30.85	7.45	24.69	42.14	54.00	-11.86	AV
H	11490	46.46	30.55	5.77	24.66	46.34	74.00	-27.66	PK
H	11490	38.60	30.55	5.77	24.66	38.48	54.00	-15.52	AV
H	17235	46.78	30.33	6.32	24.55	47.32	74.00	-26.68	PK
H	17235	39.74	30.33	6.32	24.55	40.28	54.00	-13.72	AV
H	22980	49.22	30.85	7.45	24.69	50.51	74.00	-23.49	PK
H	22980	38.96	30.85	7.45	24.69	40.25	54.00	-13.75	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5785MHz									
V	11570	49.36	30.55	5.77	24.66	49.24	74.00	-24.76	PK
V	11570	36.62	30.55	5.77	24.66	36.50	54.00	-17.50	AV
V	17355	49.16	30.33	6.32	24.55	49.70	74.00	-24.30	PK
V	17355	39.48	30.33	6.32	24.55	40.02	54.00	-13.98	AV
V	23140	49.28	30.85	7.45	24.69	50.57	74.00	-23.43	PK
V	23140	39.15	30.85	7.45	24.69	40.44	54.00	-13.56	AV
H	11570	46.39	30.55	5.77	24.66	46.27	74.00	-27.73	PK
H	11570	38.56	30.55	5.77	24.66	38.44	54.00	-15.56	AV
H	17355	47.83	30.33	6.32	24.55	48.37	74.00	-25.63	PK
H	17355	39.34	30.33	6.32	24.55	39.88	54.00	-14.12	AV
H	23140	49.26	30.85	7.45	24.69	50.55	74.00	-23.45	PK
H	23140	39.00	30.85	7.45	24.69	40.29	54.00	-13.71	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5825MHz									
V	11650	48.47	30.55	5.77	24.66	48.35	74.00	-25.65	PK
V	11650	34.96	30.55	5.77	24.66	34.84	54.00	-19.16	AV
V	17475	49.70	30.33	6.32	24.55	50.24	74.00	-23.76	PK
V	17475	39.35	30.33	6.32	24.55	39.89	54.00	-14.11	AV
V	23300	48.98	30.85	7.45	24.69	50.27	74.00	-23.73	PK
V	23300	39.60	30.85	7.45	24.69	40.89	54.00	-13.11	AV
H	11650	47.66	30.55	5.77	24.66	47.54	74.00	-26.46	PK
H	11650	38.01	30.55	5.77	24.66	37.89	54.00	-16.11	AV
H	17475	48.62	30.33	6.32	24.55	49.16	74.00	-24.84	PK
H	17475	39.45	30.33	6.32	24.55	39.99	54.00	-14.01	AV
H	23300	48.92	30.85	7.45	24.69	50.21	74.00	-23.79	PK
H	23300	39.13	30.85	7.45	24.69	40.42	54.00	-13.58	AV

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Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5745MHz									
V	11490	47.88	30.55	5.77	24.66	47.76	74.00	-26.24	PK
V	11490	36.40	30.55	5.77	24.66	36.28	54.00	-17.72	AV
V	17235	49.74	30.33	6.32	24.55	50.28	74.00	-23.72	PK
V	17235	41.31	30.33	6.32	24.55	41.85	54.00	-12.15	AV
V	22980	49.40	30.85	7.45	24.69	50.69	74.00	-23.31	PK
V	22980	39.90	30.85	7.45	24.69	41.19	54.00	-12.81	AV
H	11490	47.20	30.55	5.77	24.66	47.08	74.00	-26.92	PK
H	11490	38.46	30.55	5.77	24.66	38.34	54.00	-15.66	AV
H	17235	47.59	30.33	6.32	24.55	48.13	74.00	-25.87	PK
H	17235	40.39	30.33	6.32	24.55	40.93	54.00	-13.07	AV
H	22980	49.57	30.85	7.45	24.69	50.86	74.00	-23.14	PK
H	22980	39.85	30.85	7.45	24.69	41.14	54.00	-12.86	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5785MHz									
V	11570	48.30	30.55	5.77	24.66	48.18	74.00	-25.82	PK
V	11570	36.13	30.55	5.77	24.66	36.01	54.00	-17.99	AV
V	17355	48.61	30.33	6.32	24.55	49.15	74.00	-24.85	PK
V	17355	41.40	30.33	6.32	24.55	41.94	54.00	-12.06	AV
V	23140	49.56	30.85	7.45	24.69	50.85	74.00	-23.15	PK
V	23140	40.60	30.85	7.45	24.69	41.89	54.00	-12.11	AV
H	11570	48.75	30.55	5.77	24.66	48.63	74.00	-25.37	PK
H	11570	38.62	30.55	5.77	24.66	38.50	54.00	-15.50	AV
H	17355	47.23	30.33	6.32	24.55	47.77	74.00	-26.23	PK
H	17355	39.45	30.33	6.32	24.55	39.99	54.00	-14.01	AV
H	23140	48.92	30.85	7.45	24.69	50.21	74.00	-23.79	PK
H	23140	39.80	30.85	7.45	24.69	41.09	54.00	-12.91	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5825MHz									
V	11650	47.66	30.55	5.77	24.66	47.54	74.00	-26.46	PK
V	11650	34.68	30.55	5.77	24.66	34.56	54.00	-19.44	AV
V	17475	48.24	30.33	6.32	24.55	48.78	74.00	-25.22	PK
V	17475	39.61	30.33	6.32	24.55	40.15	54.00	-13.85	AV
V	23300	48.90	30.85	7.45	24.69	50.19	74.00	-23.81	PK
V	23300	39.40	30.85	7.45	24.69	40.69	54.00	-13.31	AV
H	11650	46.12	30.55	5.77	24.66	46.00	74.00	-28.00	PK
H	11650	38.45	30.55	5.77	24.66	38.33	54.00	-15.67	AV
H	17475	48.57	30.33	6.32	24.55	49.11	74.00	-24.89	PK
H	17475	40.68	30.33	6.32	24.55	41.22	54.00	-12.78	AV
H	23300	50.15	30.85	7.45	24.69	51.44	74.00	-22.56	PK
H	23300	40.09	30.85	7.45	24.69	41.38	54.00	-12.62	AV

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Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5755MHz									
V	11510	47.75	30.55	5.77	24.66	47.63	74.00	-26.37	PK
V	11510	36.44	30.55	5.77	24.66	36.32	54.00	-17.68	AV
V	17265	48.29	30.33	6.32	24.55	48.83	74.00	-25.17	PK
V	17265	40.10	30.33	6.32	24.55	40.64	54.00	-13.36	AV
V	23020	51.54	30.85	7.45	24.69	52.83	74.00	-21.17	PK
V	23020	39.14	30.85	7.45	24.69	40.43	54.00	-13.57	AV
H	11510	46.20	30.55	5.77	24.66	46.08	74.00	-27.92	PK
H	11510	37.96	30.55	5.77	24.66	37.84	54.00	-16.16	AV
H	17265	47.39	30.33	6.32	24.55	47.93	74.00	-26.07	PK
H	17265	40.25	30.33	6.32	24.55	40.79	54.00	-13.21	AV
H	23020	50.84	30.85	7.45	24.69	52.13	74.00	-21.87	PK
H	23020	41.24	30.85	7.45	24.69	42.53	54.00	-11.47	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5795MHz									
V	11590	48.46	30.55	5.77	24.66	48.34	74.00	-25.66	PK
V	11590	36.05	30.55	5.77	24.66	35.93	54.00	-18.07	AV
V	17385	48.96	30.33	6.32	24.55	49.50	74.00	-24.50	PK
V	17385	40.17	30.33	6.32	24.55	40.71	54.00	-13.29	AV
V	23180	49.68	30.85	7.45	24.69	50.97	74.00	-23.03	PK
V	23180	41.73	30.85	7.45	24.69	43.02	54.00	-10.98	AV
H	11590	46.14	30.55	5.77	24.66	46.02	74.00	-27.98	PK
H	11590	40.75	30.55	5.77	24.66	40.63	54.00	-13.37	AV
H	17385	48.67	30.33	6.32	24.55	49.21	74.00	-24.79	PK
H	17385	39.94	30.33	6.32	24.55	40.48	54.00	-13.52	AV
H	23180	49.90	30.85	7.45	24.69	51.19	74.00	-22.81	PK
H	23180	40.25	30.85	7.45	24.69	41.54	54.00	-12.46	AV

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Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5745MHz									
V	11490	47.40	30.55	5.77	24.66	47.28	74.00	-26.72	PK
V	11490	35.12	30.55	5.77	24.66	35.00	54.00	-19.00	AV
V	17235	48.76	30.33	6.32	24.55	49.30	74.00	-24.70	PK
V	17235	41.74	30.33	6.32	24.55	42.28	54.00	-11.72	AV
V	22980	51.59	30.85	7.45	24.69	52.88	74.00	-21.12	PK
V	22980	39.68	30.85	7.45	24.69	40.97	54.00	-13.03	AV
H	11490	48.09	30.55	5.77	24.66	47.97	74.00	-26.03	PK
H	11490	38.47	30.55	5.77	24.66	38.35	54.00	-15.65	AV
H	17235	46.79	30.33	6.32	24.55	47.33	74.00	-26.67	PK
H	17235	41.66	30.33	6.32	24.55	42.20	54.00	-11.80	AV
H	22980	50.43	30.85	7.45	24.69	51.72	74.00	-22.28	PK
H	22980	38.83	30.85	7.45	24.69	40.12	54.00	-13.88	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5785MHz									
V	11570	49.05	30.55	5.77	24.66	48.93	74.00	-25.07	PK
V	11570	34.79	30.55	5.77	24.66	34.67	54.00	-19.33	AV
V	17355	48.86	30.33	6.32	24.55	49.40	74.00	-24.60	PK
V	17355	39.60	30.33	6.32	24.55	40.14	54.00	-13.86	AV
V	23140	49.95	30.85	7.45	24.69	51.24	74.00	-22.76	PK
V	23140	41.09	30.85	7.45	24.69	42.38	54.00	-11.62	AV
H	11570	48.00	30.55	5.77	24.66	47.88	74.00	-26.12	PK
H	11570	39.24	30.55	5.77	24.66	39.12	54.00	-14.88	AV
H	17355	48.70	30.33	6.32	24.55	49.24	74.00	-24.76	PK
H	17355	40.14	30.33	6.32	24.55	40.68	54.00	-13.32	AV
H	23140	50.59	30.85	7.45	24.69	51.88	74.00	-22.12	PK
H	23140	39.82	30.85	7.45	24.69	41.11	54.00	-12.89	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5825MHz									
V	11650	47.54	30.55	5.77	24.66	47.42	74.00	-26.58	PK
V	11650	36.24	30.55	5.77	24.66	36.12	54.00	-17.88	AV
V	17475	49.36	30.33	6.32	24.55	49.90	74.00	-24.10	PK
V	17475	39.50	30.33	6.32	24.55	40.04	54.00	-13.96	AV
V	23300	50.01	30.85	7.45	24.69	51.30	74.00	-22.70	PK
V	23300	40.62	30.85	7.45	24.69	41.91	54.00	-12.09	AV
H	11650	48.03	30.55	5.77	24.66	47.91	74.00	-26.09	PK
H	11650	38.80	30.55	5.77	24.66	38.68	54.00	-15.32	AV
H	17475	48.01	30.33	6.32	24.55	48.55	74.00	-25.45	PK
H	17475	39.13	30.33	6.32	24.55	39.67	54.00	-14.33	AV
H	23300	49.05	30.85	7.45	24.69	50.34	74.00	-23.66	PK
H	23300	41.07	30.85	7.45	24.69	42.36	54.00	-11.64	AV

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Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detecto r Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5755MHz									
V	11510	47.67	30.55	5.77	24.66	47.55	74.00	-26.45	PK
V	11510	36.63	30.55	5.77	24.66	36.51	54.00	-17.49	AV
V	17265	48.33	30.33	6.32	24.55	48.87	74.00	-25.13	PK
V	17265	40.18	30.33	6.32	24.55	40.72	54.00	-13.28	AV
V	23020	50.91	30.85	7.45	24.69	52.20	74.00	-21.80	PK
V	23020	41.01	30.85	7.45	24.69	42.30	54.00	-11.70	AV
H	11510	48.65	30.55	5.77	24.66	48.53	74.00	-25.47	PK
H	11510	38.29	30.55	5.77	24.66	38.17	54.00	-15.83	AV
H	17265	47.88	30.33	6.32	24.55	48.42	74.00	-25.58	PK
H	17265	38.93	30.33	6.32	24.55	39.47	54.00	-14.53	AV
H	23020	51.12	30.85	7.45	24.69	52.41	74.00	-21.59	PK
H	23020	41.47	30.85	7.45	24.69	42.76	54.00	-11.24	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detecto r Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	

High Channel:5795MHz									
V	11510	48.37	30.55	5.77	24.66	48.25	74.00	-25.75	PK
V	11510	35.68	30.55	5.77	24.66	35.56	54.00	-18.44	AV
V	17265	48.58	30.33	6.32	24.55	49.12	74.00	-24.88	PK
V	17265	40.80	30.33	6.32	24.55	41.34	54.00	-12.66	AV
V	23020	51.67	30.85	7.45	24.69	52.96	74.00	-21.04	PK
V	23020	40.07	30.85	7.45	24.69	41.36	54.00	-12.64	AV
H	11510	46.33	30.55	5.77	24.66	46.21	74.00	-27.79	PK
H	11510	40.63	30.55	5.77	24.66	40.51	54.00	-13.49	AV
H	17265	46.79	30.33	6.32	24.55	47.33	74.00	-26.67	PK
H	17265	41.13	30.33	6.32	24.55	41.67	54.00	-12.33	AV
H	23020	49.44	30.85	7.45	24.69	50.73	74.00	-23.27	PK
H	23020	39.33	30.85	7.45	24.69	40.62	54.00	-13.38	AV

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Polar (H/V)	Frequency	Meter Reading	Pre-amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5775MHz									
V	11550	49.21	30.55	5.77	24.66	49.09	74.00	-24.91	PK
V	11550	36.29	30.55	5.77	24.66	36.17	54.00	-17.83	AV
V	17325	48.23	30.33	6.32	24.55	48.77	74.00	-25.23	PK
V	17325	40.00	30.33	6.32	24.55	40.54	54.00	-13.46	AV
V	23100	50.33	30.85	7.45	24.69	51.62	74.00	-22.38	PK
V	23100	41.44	30.85	7.45	24.69	42.73	54.00	-11.27	AV
H	11550	46.75	30.55	5.77	24.66	46.63	74.00	-27.37	PK
H	11550	39.78	30.55	5.77	24.66	39.66	54.00	-14.34	AV
H	17325	46.87	30.33	6.32	24.55	47.41	74.00	-26.59	PK
H	17325	40.59	30.33	6.32	24.55	41.13	54.00	-12.87	AV
H	23100	48.95	30.85	7.45	24.69	50.24	74.00	-23.76	PK
H	23100	41.46	30.85	7.45	24.69	42.75	54.00	-11.25	AV

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Polar (H/V)	Frequency	Meter Reading	Pre-amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5745MHz									
V	11490	47.00	30.55	5.77	24.66	46.88	74.00	-27.12	PK
V	11490	36.46	30.55	5.77	24.66	36.34	54.00	-17.66	AV
V	17235	47.89	30.33	6.32	24.55	48.43	74.00	-25.57	PK
V	17235	39.48	30.33	6.32	24.55	40.02	54.00	-13.98	AV
V	22980	50.83	30.85	7.45	24.69	52.12	74.00	-21.88	PK
V	22980	40.57	30.85	7.45	24.69	41.86	54.00	-12.14	AV
H	11490	46.60	30.55	5.77	24.66	46.48	74.00	-27.52	PK
H	11490	37.87	30.55	5.77	24.66	37.75	54.00	-16.25	AV
H	17235	48.53	30.33	6.32	24.55	49.07	74.00	-24.93	PK
H	17235	39.64	30.33	6.32	24.55	40.18	54.00	-13.82	AV
H	22980	50.57	30.85	7.45	24.69	51.86	74.00	-22.14	PK
H	22980	39.22	30.85	7.45	24.69	40.51	54.00	-13.49	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5785MHz									

V	11570	49.47	30.55	5.77	24.66	49.35	74.00	-24.65	PK
V	11570	34.78	30.55	5.77	24.66	34.66	54.00	-19.34	AV
V	17355	47.77	30.33	6.32	24.55	48.31	74.00	-25.69	PK
V	17355	38.99	30.33	6.32	24.55	39.53	54.00	-14.47	AV
V	23140	49.14	30.85	7.45	24.69	50.43	74.00	-23.57	PK
V	23140	39.06	30.85	7.45	24.69	40.35	54.00	-13.65	AV
H	11570	46.15	30.55	5.77	24.66	46.03	74.00	-27.97	PK
H	11570	40.04	30.55	5.77	24.66	39.92	54.00	-14.08	AV
H	17355	47.54	30.33	6.32	24.55	48.08	74.00	-25.92	PK
H	17355	41.07	30.33	6.32	24.55	41.61	54.00	-12.39	AV
H	23140	49.10	30.85	7.45	24.69	50.39	74.00	-23.61	PK
H	23140	40.55	30.85	7.45	24.69	41.84	54.00	-12.16	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5825MHz									
V	11650	47.22	30.55	5.77	24.66	47.10	74.00	-26.90	PK
V	11650	36.42	30.55	5.77	24.66	36.30	54.00	-17.70	AV
V	17475	48.74	30.33	6.32	24.55	49.28	74.00	-24.72	PK
V	17475	40.80	30.33	6.32	24.55	41.34	54.00	-12.66	AV
V	23300	51.35	30.85	7.45	24.69	52.64	74.00	-21.36	PK
V	23300	38.95	30.85	7.45	24.69	40.24	54.00	-13.76	AV
H	11650	46.04	30.55	5.77	24.66	45.92	74.00	-28.08	PK
H	11650	39.11	30.55	5.77	24.66	38.99	54.00	-15.01	AV
H	17475	46.93	30.33	6.32	24.55	47.47	74.00	-26.53	PK
H	17475	39.68	30.33	6.32	24.55	40.22	54.00	-13.78	AV
H	23300	51.06	30.85	7.45	24.69	52.35	74.00	-21.65	PK
H	23300	39.76	30.85	7.45	24.69	41.05	54.00	-12.95	AV

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Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5745MHz									
V	11490	49.63	30.55	5.77	24.66	49.51	74.00	-24.49	PK
V	11490	34.22	30.55	5.77	24.66	34.10	54.00	-19.90	AV
V	17235	49.03	30.33	6.32	24.55	49.57	74.00	-24.43	PK
V	17235	39.31	30.33	6.32	24.55	39.85	54.00	-14.15	AV
V	22980	51.66	30.85	7.45	24.69	52.95	74.00	-21.05	PK
V	22980	39.16	30.85	7.45	24.69	40.45	54.00	-13.55	AV
H	11490	48.55	30.55	5.77	24.66	48.43	74.00	-25.57	PK
H	11490	39.76	30.55	5.77	24.66	39.64	54.00	-14.36	AV
H	17235	48.24	30.33	6.32	24.55	48.78	74.00	-25.22	PK
H	17235	40.29	30.33	6.32	24.55	40.83	54.00	-13.17	AV
H	22980	50.55	30.85	7.45	24.69	51.84	74.00	-22.16	PK
H	22980	39.67	30.85	7.45	24.69	40.96	54.00	-13.04	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5785MHz									
V	11570	47.74	30.55	5.77	24.66	47.62	74.00	-26.38	PK
V	11570	34.16	30.55	5.77	24.66	34.04	54.00	-19.96	AV
V	17355	49.65	30.33	6.32	24.55	50.19	74.00	-23.81	PK

V	17355	41.50	30.33	6.32	24.55	42.04	54.00	-11.96	AV
V	23140	51.71	30.85	7.45	24.69	53.00	74.00	-21.00	PK
V	23140	41.45	30.85	7.45	24.69	42.74	54.00	-11.26	AV
H	11570	48.32	30.55	5.77	24.66	48.20	74.00	-25.80	PK
H	11570	39.54	30.55	5.77	24.66	39.42	54.00	-14.58	AV
H	17355	48.61	30.33	6.32	24.55	49.15	74.00	-24.85	PK
H	17355	39.74	30.33	6.32	24.55	40.28	54.00	-13.72	AV
H	23140	48.84	30.85	7.45	24.69	50.13	74.00	-23.87	PK
H	23140	41.32	30.85	7.45	24.69	42.61	54.00	-11.39	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:5825MHz									
V	11650	48.02	30.55	5.77	24.66	47.90	74.00	-26.10	PK
V	11650	36.52	30.55	5.77	24.66	36.40	54.00	-17.60	AV
V	17475	49.02	30.33	6.32	24.55	49.56	74.00	-24.44	PK
V	17475	40.62	30.33	6.32	24.55	41.16	54.00	-12.84	AV
V	23300	51.45	30.85	7.45	24.69	52.74	74.00	-21.26	PK
V	23300	39.55	30.85	7.45	24.69	40.84	54.00	-13.16	AV
H	11650	47.34	30.55	5.77	24.66	47.22	74.00	-26.78	PK
H	11650	37.83	30.55	5.77	24.66	37.71	54.00	-16.29	AV
H	17475	48.65	30.33	6.32	24.55	49.19	74.00	-24.81	PK
H	17475	41.27	30.33	6.32	24.55	41.81	54.00	-12.19	AV
H	23300	49.85	30.85	7.45	24.69	51.14	74.00	-22.86	PK
H	23300	40.74	30.85	7.45	24.69	42.03	54.00	-11.97	AV

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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:5755MHz									
V	11510	47.35	30.55	5.77	24.66	47.23	74.00	-26.77	PK
V	11510	36.28	30.55	5.77	24.66	36.16	54.00	-17.84	AV
V	17265	47.98	30.33	6.32	24.55	48.52	74.00	-25.48	PK
V	17265	40.60	30.33	6.32	24.55	41.14	54.00	-12.86	AV
V	23020	49.14	30.85	7.45	24.69	50.43	74.00	-23.57	PK
V	23020	40.66	30.85	7.45	24.69	41.95	54.00	-12.05	AV
H	11510	47.47	30.55	5.77	24.66	47.35	74.00	-26.65	PK
H	11510	38.23	30.55	5.77	24.66	38.11	54.00	-15.89	AV
H	17265	47.11	30.33	6.32	24.55	47.65	74.00	-26.35	PK
H	17265	40.65	30.33	6.32	24.55	41.19	54.00	-12.81	AV
H	23020	49.22	30.85	7.45	24.69	50.51	74.00	-23.49	PK
H	23020	40.23	30.85	7.45	24.69	41.52	54.00	-12.48	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:5795MHz									
V	11590	49.59	30.55	5.77	24.66	49.47	74.00	-24.53	PK
V	11590	36.74	30.55	5.77	24.66	36.62	54.00	-17.38	AV
V	17385	48.68	30.33	6.32	24.55	49.22	74.00	-24.78	PK
V	17385	39.52	30.33	6.32	24.55	40.06	54.00	-13.94	AV
V	23180	51.03	30.85	7.45	24.69	52.32	74.00	-21.68	PK
V	23180	40.24	30.85	7.45	24.69	41.53	54.00	-12.47	AV

H	11590	46.40	30.55	5.77	24.66	46.28	74.00	-27.72	PK
H	11590	40.04	30.55	5.77	24.66	39.92	54.00	-14.08	AV
H	17385	47.06	30.33	6.32	24.55	47.60	74.00	-26.40	PK
H	17385	39.79	30.33	6.32	24.55	40.33	54.00	-13.67	AV
H	23180	51.33	30.85	7.45	24.69	52.62	74.00	-21.38	PK
H	23180	39.57	30.85	7.45	24.69	40.86	54.00	-13.14	AV

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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:5745MHz									
V	11490	48.37	30.55	5.77	24.66	48.25	74.00	-25.75	PK
V	11490	34.84	30.55	5.77	24.66	34.72	54.00	-19.28	AV
V	17235	49.46	30.33	6.32	24.55	50.00	74.00	-24.00	PK
V	17235	39.77	30.33	6.32	24.55	40.31	54.00	-13.69	AV
V	22980	50.36	30.85	7.45	24.69	51.65	74.00	-22.35	PK
V	22980	41.22	30.85	7.45	24.69	42.51	54.00	-11.49	AV
H	11490	48.44	30.55	5.77	24.66	48.32	74.00	-25.68	PK
H	11490	37.89	30.55	5.77	24.66	37.77	54.00	-16.23	AV
H	17235	48.16	30.33	6.32	24.55	48.70	74.00	-25.30	PK
H	17235	39.59	30.33	6.32	24.55	40.13	54.00	-13.87	AV
H	22980	49.44	30.85	7.45	24.69	50.73	74.00	-23.27	PK
H	22980	39.95	30.85	7.45	24.69	41.24	54.00	-12.76	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:5785MHz									
V	11570	48.05	30.55	5.77	24.66	47.93	74.00	-26.07	PK
V	11570	36.69	30.55	5.77	24.66	36.57	54.00	-17.43	AV
V	17355	48.13	30.33	6.32	24.55	48.67	74.00	-25.33	PK
V	17355	40.97	30.33	6.32	24.55	41.51	54.00	-12.49	AV
V	23140	50.92	30.85	7.45	24.69	52.21	74.00	-21.79	PK
V	23140	40.21	30.85	7.45	24.69	41.50	54.00	-12.50	AV
H	11570	47.19	30.55	5.77	24.66	47.07	74.00	-26.93	PK
H	11570	39.23	30.55	5.77	24.66	39.11	54.00	-14.89	AV
H	17355	48.46	30.33	6.32	24.55	49.00	74.00	-25.00	PK
H	17355	40.96	30.33	6.32	24.55	41.50	54.00	-12.50	AV
H	23140	49.31	30.85	7.45	24.69	50.60	74.00	-23.40	PK
H	23140	40.26	30.85	7.45	24.69	41.55	54.00	-12.45	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:5825MHz									
V	11650	49.14	30.55	5.77	24.66	49.02	74.00	-24.98	PK
V	11650	34.95	30.55	5.77	24.66	34.83	54.00	-19.17	AV
V	17475	49.56	30.33	6.32	24.55	50.10	74.00	-23.90	PK
V	17475	40.61	30.33	6.32	24.55	41.15	54.00	-12.85	AV
V	23300	50.01	30.85	7.45	24.69	51.30	74.00	-22.70	PK
V	23300	39.31	30.85	7.45	24.69	40.60	54.00	-13.40	AV
H	11650	46.12	30.55	5.77	24.66	46.00	74.00	-28.00	PK
H	11650	40.46	30.55	5.77	24.66	40.34	54.00	-13.66	AV
H	17475	48.27	30.33	6.32	24.55	48.81	74.00	-25.19	PK

H	17475	39.87	30.33	6.32	24.55	40.41	54.00	-13.59	AV
H	23300	50.99	30.85	7.45	24.69	52.28	74.00	-21.72	PK
H	23300	39.45	30.85	7.45	24.69	40.74	54.00	-13.26	AV

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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
High Channel:5755MHz									
V	11510	49.62	30.55	5.77	24.66	49.50	74.00	-24.50	PK
V	11510	34.56	30.55	5.77	24.66	34.44	54.00	-19.56	AV
V	17265	48.46	30.33	6.32	24.55	49.00	74.00	-25.00	PK
V	17265	41.14	30.33	6.32	24.55	41.68	54.00	-12.32	AV
V	23020	50.85	30.85	7.45	24.69	52.14	74.00	-21.86	PK
V	23020	39.42	30.85	7.45	24.69	40.71	54.00	-13.29	AV
H	11510	47.32	30.55	5.77	24.66	47.20	74.00	-26.80	PK
H	11510	38.07	30.55	5.77	24.66	37.95	54.00	-16.05	AV
H	17265	47.12	30.33	6.32	24.55	47.66	74.00	-26.34	PK
H	17265	40.44	30.33	6.32	24.55	40.98	54.00	-13.02	AV
H	23020	51.34	30.85	7.45	24.69	52.63	74.00	-21.37	PK
H	23020	39.31	30.85	7.45	24.69	40.60	54.00	-13.40	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
High Channel:5795MHz									
V	11510	48.53	30.55	5.77	24.66	48.41	74.00	-25.59	PK
V	11510	35.36	30.55	5.77	24.66	35.24	54.00	-18.76	AV
V	17265	48.32	30.33	6.32	24.55	48.86	74.00	-25.14	PK
V	17265	41.72	30.33	6.32	24.55	42.26	54.00	-11.74	AV
V	23020	51.51	30.85	7.45	24.69	52.80	74.00	-21.20	PK
V	23020	40.96	30.85	7.45	24.69	42.25	54.00	-11.75	AV
H	11510	47.57	30.55	5.77	24.66	47.45	74.00	-26.55	PK
H	11510	37.92	30.55	5.77	24.66	37.80	54.00	-16.20	AV
H	17265	46.77	30.33	6.32	24.55	47.31	74.00	-26.69	PK
H	17265	40.15	30.33	6.32	24.55	40.69	54.00	-13.31	AV
H	23020	50.05	30.85	7.45	24.69	51.34	74.00	-22.66	PK
H	23020	41.67	30.85	7.45	24.69	42.96	54.00	-11.04	AV

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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
High Channel:5775MHz									
V	11550	49.52	30.55	5.77	24.66	49.40	74.00	-24.60	PK
V	11550	36.16	30.55	5.77	24.66	36.04	54.00	-17.96	AV
V	17325	48.74	30.33	6.32	24.55	49.28	74.00	-24.72	PK
V	17325	39.13	30.33	6.32	24.55	39.67	54.00	-14.33	AV
V	23100	51.31	30.85	7.45	24.69	52.60	74.00	-21.40	PK
V	23100	39.12	30.85	7.45	24.69	40.41	54.00	-13.59	AV
H	11550	46.65	30.55	5.77	24.66	46.53	74.00	-27.47	PK
H	11550	38.42	30.55	5.77	24.66	38.30	54.00	-15.70	AV
H	17325	47.32	30.33	6.32	24.55	47.86	74.00	-26.14	PK
H	17325	39.52	30.33	6.32	24.55	40.06	54.00	-13.94	AV

H	23100	50.05	30.85	7.45	24.69	51.34	74.00	-22.66	PK
H	23100	41.58	30.85	7.45	24.69	42.87	54.00	-11.13	AV

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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:5745MHz									
V	11490	47.41	30.55	5.77	24.66	47.29	74.00	-26.71	PK
V	11490	33.84	30.55	5.77	24.66	33.72	54.00	-20.28	AV
V	17235	49.63	30.33	6.32	24.55	50.17	74.00	-23.83	PK
V	17235	40.40	30.33	6.32	24.55	40.94	54.00	-13.06	AV
V	22980	51.59	30.85	7.45	24.69	52.88	74.00	-21.12	PK
V	22980	39.18	30.85	7.45	24.69	40.47	54.00	-13.53	AV
H	11490	48.13	30.55	5.77	24.66	48.01	74.00	-25.99	PK
H	11490	38.08	30.55	5.77	24.66	37.96	54.00	-16.04	AV
H	17235	48.44	30.33	6.32	24.55	48.98	74.00	-25.02	PK
H	17235	39.63	30.33	6.32	24.55	40.17	54.00	-13.83	AV
H	22980	48.89	30.85	7.45	24.69	50.18	74.00	-23.82	PK
H	22980	40.75	30.85	7.45	24.69	42.04	54.00	-11.96	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:5785MHz									
V	11570	48.79	30.55	5.77	24.66	48.67	74.00	-25.33	PK
V	11570	36.41	30.55	5.77	24.66	36.29	54.00	-17.71	AV
V	17355	48.24	30.33	6.32	24.55	48.78	74.00	-25.22	PK
V	17355	39.19	30.33	6.32	24.55	39.73	54.00	-14.27	AV
V	23140	49.75	30.85	7.45	24.69	51.04	74.00	-22.96	PK
V	23140	41.50	30.85	7.45	24.69	42.79	54.00	-11.21	AV
H	11570	48.50	30.55	5.77	24.66	48.38	74.00	-25.62	PK
H	11570	38.55	30.55	5.77	24.66	38.43	54.00	-15.57	AV
H	17355	47.84	30.33	6.32	24.55	48.38	74.00	-25.62	PK
H	17355	41.20	30.33	6.32	24.55	41.74	54.00	-12.26	AV
H	23140	51.30	30.85	7.45	24.69	52.59	74.00	-21.41	PK
H	23140	41.27	30.85	7.45	24.69	42.56	54.00	-11.44	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:5825MHz									
V	11650	46.78	30.55	5.77	24.66	46.66	74.00	-27.34	PK
V	11650	34.18	30.55	5.77	24.66	34.06	54.00	-19.94	AV
V	17475	48.15	30.33	6.32	24.55	48.69	74.00	-25.31	PK
V	17475	40.73	30.33	6.32	24.55	41.27	54.00	-12.73	AV
V	23300	50.31	30.85	7.45	24.69	51.60	74.00	-22.40	PK
V	23300	40.31	30.85	7.45	24.69	41.60	54.00	-12.40	AV
H	11650	46.97	30.55	5.77	24.66	46.85	74.00	-27.15	PK
H	11650	39.28	30.55	5.77	24.66	39.16	54.00	-14.84	AV
H	17475	48.68	30.33	6.32	24.55	49.22	74.00	-24.78	PK
H	17475	40.03	30.33	6.32	24.55	40.57	54.00	-13.43	AV
H	23300	49.82	30.85	7.45	24.69	51.11	74.00	-22.89	PK
H	23300	40.51	30.85	7.45	24.69	41.80	54.00	-12.20	AV

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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:5755MHz									
V	11510	48.75	30.55	5.77	24.66	48.63	74.00	-25.37	PK
V	11510	36.04	30.55	5.77	24.66	35.92	54.00	-18.08	AV
V	17265	48.61	30.33	6.32	24.55	49.15	74.00	-24.85	PK
V	17265	41.48	30.33	6.32	24.55	42.02	54.00	-11.98	AV
V	23020	51.74	30.85	7.45	24.69	53.03	74.00	-20.97	PK
V	23020	40.98	30.85	7.45	24.69	42.27	54.00	-11.73	AV
H	11510	48.23	30.55	5.77	24.66	48.11	74.00	-25.89	PK
H	11510	38.77	30.55	5.77	24.66	38.65	54.00	-15.35	AV
H	17265	47.61	30.33	6.32	24.55	48.15	74.00	-25.85	PK
H	17265	41.50	30.33	6.32	24.55	42.04	54.00	-11.96	AV
H	23020	49.84	30.85	7.45	24.69	51.13	74.00	-22.87	PK
H	23020	38.81	30.85	7.45	24.69	40.10	54.00	-13.90	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:5795MHz									
V	11590	49.64	30.55	5.77	24.66	49.52	74.00	-24.48	PK
V	11590	35.37	30.55	5.77	24.66	35.25	54.00	-18.75	AV
V	17385	49.72	30.33	6.32	24.55	50.26	74.00	-23.74	PK
V	17385	40.81	30.33	6.32	24.55	41.35	54.00	-12.65	AV
V	23180	51.22	30.85	7.45	24.69	52.51	74.00	-21.49	PK
V	23180	38.82	30.85	7.45	24.69	40.11	54.00	-13.89	AV
H	11590	46.45	30.55	5.77	24.66	46.33	74.00	-27.67	PK
H	11590	38.86	30.55	5.77	24.66	38.74	54.00	-15.26	AV
H	17385	48.67	30.33	6.32	24.55	49.21	74.00	-24.79	PK
H	17385	39.65	30.33	6.32	24.55	40.19	54.00	-13.81	AV
H	23180	50.32	30.85	7.45	24.69	51.61	74.00	-22.39	PK
H	23180	39.55	30.85	7.45	24.69	40.84	54.00	-13.16	AV

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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:5745MHz									
V	11490	47.15	30.55	5.77	24.66	47.03	74.00	-26.97	PK
V	11490	36.44	30.55	5.77	24.66	36.32	54.00	-17.68	AV
V	17235	48.45	30.33	6.32	24.55	48.99	74.00	-25.01	PK
V	17235	40.80	30.33	6.32	24.55	41.34	54.00	-12.66	AV
V	22980	50.41	30.85	7.45	24.69	51.70	74.00	-22.30	PK
V	22980	40.14	30.85	7.45	24.69	41.43	54.00	-12.57	AV
H	11490	45.87	30.55	5.77	24.66	45.75	74.00	-28.25	PK
H	11490	39.83	30.55	5.77	24.66	39.71	54.00	-14.29	AV
H	17235	48.06	30.33	6.32	24.55	48.60	74.00	-25.40	PK
H	17235	39.21	30.33	6.32	24.55	39.75	54.00	-14.25	AV
H	22980	50.11	30.85	7.45	24.69	51.40	74.00	-22.60	PK
H	22980	40.46	30.85	7.45	24.69	41.75	54.00	-12.25	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5785MHz									
V	11570	49.26	30.55	5.77	24.66	49.14	74.00	-24.86	PK
V	11570	35.79	30.55	5.77	24.66	35.67	54.00	-18.33	AV
V	17355	49.31	30.33	6.32	24.55	49.85	74.00	-24.15	PK
V	17355	39.80	30.33	6.32	24.55	40.34	54.00	-13.66	AV
V	23140	51.62	30.85	7.45	24.69	52.91	74.00	-21.09	PK
V	23140	41.03	30.85	7.45	24.69	42.32	54.00	-11.68	AV
H	11570	47.46	30.55	5.77	24.66	47.34	74.00	-26.66	PK
H	11570	39.61	30.55	5.77	24.66	39.49	54.00	-14.51	AV
H	17355	48.09	30.33	6.32	24.55	48.63	74.00	-25.37	PK
H	17355	40.72	30.33	6.32	24.55	41.26	54.00	-12.74	AV
H	23140	49.73	30.85	7.45	24.69	51.02	74.00	-22.98	PK
H	23140	40.24	30.85	7.45	24.69	41.53	54.00	-12.47	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5825MHz									
V	11650	47.56	30.55	5.77	24.66	47.44	74.00	-26.56	PK
V	11650	35.13	30.55	5.77	24.66	35.01	54.00	-18.99	AV
V	17475	48.08	30.33	6.32	24.55	48.62	74.00	-25.38	PK
V	17475	39.19	30.33	6.32	24.55	39.73	54.00	-14.27	AV
V	23300	51.21	30.85	7.45	24.69	52.50	74.00	-21.50	PK
V	23300	41.27	30.85	7.45	24.69	42.56	54.00	-11.44	AV
H	11650	48.42	30.55	5.77	24.66	48.30	74.00	-25.70	PK
H	11650	39.12	30.55	5.77	24.66	39.00	54.00	-15.00	AV
H	17475	48.36	30.33	6.32	24.55	48.90	74.00	-25.10	PK
H	17475	41.68	30.33	6.32	24.55	42.22	54.00	-11.78	AV
H	23300	49.05	30.85	7.45	24.69	50.34	74.00	-23.66	PK
H	23300	39.29	30.85	7.45	24.69	40.58	54.00	-13.42	AV

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Polar (H/V)	Frequency	Meter Reading	Pre-amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5755MHz									
V	11510	47.31	30.55	5.77	24.66	47.19	74.00	-26.81	PK
V	11510	35.21	30.55	5.77	24.66	35.09	54.00	-18.91	AV
V	17265	47.92	30.33	6.32	24.55	48.46	74.00	-25.54	PK
V	17265	40.65	30.33	6.32	24.55	41.19	54.00	-12.81	AV
V	23020	49.14	30.85	7.45	24.69	50.43	74.00	-23.57	PK
V	23020	40.92	30.85	7.45	24.69	42.21	54.00	-11.79	AV
H	11510	46.94	30.55	5.77	24.66	46.82	74.00	-27.18	PK
H	11510	40.31	30.55	5.77	24.66	40.19	54.00	-13.81	AV
H	17265	48.23	30.33	6.32	24.55	48.77	74.00	-25.23	PK
H	17265	41.14	30.33	6.32	24.55	41.68	54.00	-12.32	AV
H	23020	50.15	30.85	7.45	24.69	51.44	74.00	-22.56	PK
H	23020	41.03	30.85	7.45	24.69	42.32	54.00	-11.68	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifi er	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detecto r Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5795MHz									

V	11510	46.92	30.55	5.77	24.66	46.80	74.00	-27.20	PK
V	11510	36.72	30.55	5.77	24.66	36.60	54.00	-17.40	AV
V	17265	47.89	30.33	6.32	24.55	48.43	74.00	-25.57	PK
V	17265	40.51	30.33	6.32	24.55	41.05	54.00	-12.95	AV
V	23020	49.74	30.85	7.45	24.69	51.03	74.00	-22.97	PK
V	23020	40.66	30.85	7.45	24.69	41.95	54.00	-12.05	AV
H	11510	47.57	30.55	5.77	24.66	47.45	74.00	-26.55	PK
H	11510	39.06	30.55	5.77	24.66	38.94	54.00	-15.06	AV
H	17265	48.22	30.33	6.32	24.55	48.76	74.00	-25.24	PK
H	17265	41.43	30.33	6.32	24.55	41.97	54.00	-12.03	AV
H	23020	50.61	30.85	7.45	24.69	51.90	74.00	-22.10	PK
H	23020	41.55	30.85	7.45	24.69	42.84	54.00	-11.16	AV

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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
High Channel:5775MHz									
V	11550	47.74	30.55	5.77	24.66	47.62	74.00	-26.38	PK
V	11550	36.05	30.55	5.77	24.66	35.93	54.00	-18.07	AV
V	17325	48.98	30.33	6.32	24.55	49.52	74.00	-24.48	PK
V	17325	41.74	30.33	6.32	24.55	42.28	54.00	-11.72	AV
V	23100	50.46	30.85	7.45	24.69	51.75	74.00	-22.25	PK
V	23100	39.08	30.85	7.45	24.69	40.37	54.00	-13.63	AV
H	11550	47.62	30.55	5.77	24.66	47.50	74.00	-26.50	PK
H	11550	40.59	30.55	5.77	24.66	40.47	54.00	-13.53	AV
H	17325	47.93	30.33	6.32	24.55	48.47	74.00	-25.53	PK
H	17325	39.14	30.33	6.32	24.55	39.68	54.00	-14.32	AV
H	23100	48.85	30.85	7.45	24.69	50.14	74.00	-23.86	PK
H	23100	40.49	30.85	7.45	24.69	41.78	54.00	-12.22	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

5. POWER SPECTRAL DENSITY TEST

Test Requirement:	FCC 47 CFR Part 15 Subpart E Section 15.407 (a)
Test Method:	KDB 789033 D02 v02r01

5.1 APPLIED PROCEDURES / LIMIT

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

LIMIT:	U-NII-1	11dBm/MHz
	U-NII-3	30dBm/500KHz

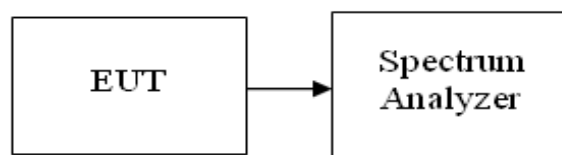
5.2 TEST PROCEDURE

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
4. Set the VBW $\geq 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

5.6 TEST RESULT

PASS: PLEASE REFER TO APPENDIX: APPENDIX1 FOR DETAILS

6. -26 DB & 6DBM EMISSION BANDWIDTH

Test Requirement:	Part 15 Subpart C Section 15.407 (e)
Test Method:	KDB 789033 D02 v02r01

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15.407 (e)		
Bandwidth		
Limit	U-NII-1	N/A
	U-NII-3	≥ 500 kHz

6.2 TEST PROCEDURE

Place the EUT on the table and set it in the transmitting mode.

Remove the antenna from the EUT and then connect a low-loss RF cable from the antenna port to the spectrum analyzer.

Set the spectrum analyzers RBW = approximately 1% of the emission bandwidth, VBW >RBW, Detector = Peak, Span>26dB bandwidth, and Sweep = auto ,Trace mode = max hold.

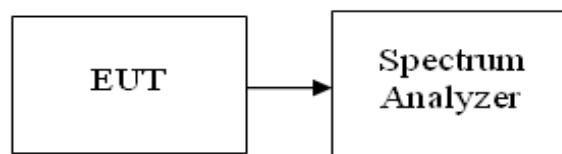
Measure the maximum width of the emission that is 26dB down from the maximum of the emission.

Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

Repeat until all the rest channels were investigated.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP**6.5 EUT OPERATION CONDITIONS**

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

6.6 TEST RESULT

PASS: PLEASE REFER TO APPENDIX: APPENDIX1 FOR DETAILS

7. OUTPUT POWER TEST

Test Requirement:	15.407 (a)(1)(2)(3)
Test Method:	KDB 789033 D02 v02r01

7.1 APPLIED PROCEDURES/LIMIT

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

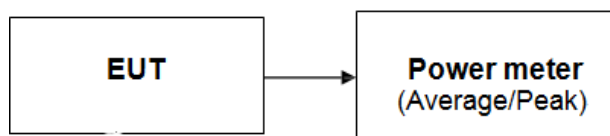
For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Test Item	Band	Limit	Result
Max conducted output power	U-NII-1	0.25W / 23.98dbm	Pass
Max conducted output power	U-NII-3	1 W / 30dbm	Pass

7.2 DEVIATION FROM STANDARD

No deviation.

7.3 TEST SETUP



7.4 EUT OPERATION CONDITIONS

PASS: PLEASE REFER TO APPENDIX: APPENDIX1 FOR DETAILS

8. OUT OF BAND EDGE EMISSION

Test Requirement:	15.407 (b)
Test Method:	KDB 789033 D02 v02r01

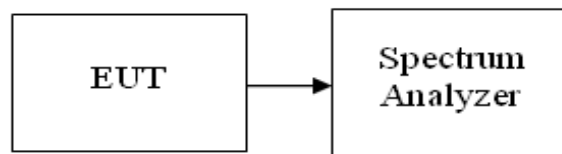
8.1 TEST PROCEDURE

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

8.2 DEVIATION FROM STANDARD

No deviation.

8.3 TEST SETUP



8.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

8.5 TEST RESULTS

PASS: PLEASE REFER TO APPENDIX: APPENDIX1 FOR DETAILS

9. FREQUENCY STABILITY MEASUREMENT

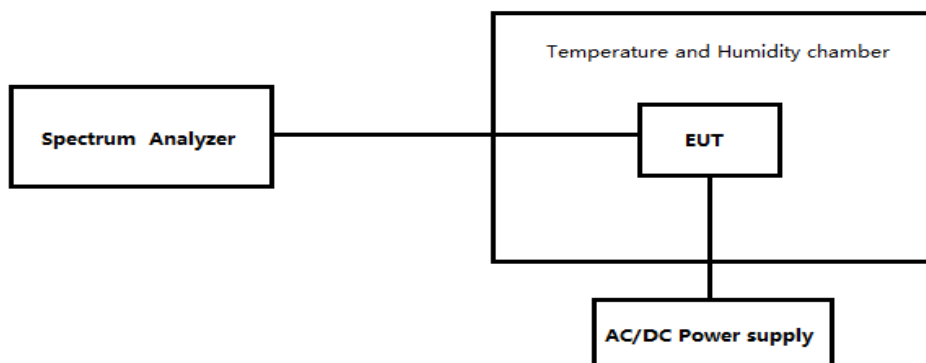
9.1 LIMIT

According to §15.407(g), Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

9.2 TESTPROCEDURE

1. To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
2. The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10dB lower than the measured peak value.
3. The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

9.3 TESTCONFIGURATION



9.4 TEST RESULT

Note: Only the test results of the worst channel are displayed

ANT1-802.11a-CH149

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	79	0.0137
40	120	84	0.0147
30	120	83	0.0144
20	120	99	0.0172
10	120	88	0.0154
0	120	89	0.0155
-10	120	89	0.0155
-20	120	83	0.0145
-30	120	84	0.0146

ANT1-802.11a-CH165

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	94	0.0162
40	120	71	0.0122
30	120	84	0.0144
20	120	96	0.0165
10	120	84	0.0144
0	120	89	0.0152
-10	120	87	0.0149
-20	120	81	0.0139
-30	120	78	0.0133

ANT1-802.11n20-CH149

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	100	0.0174
40	120	97	0.0168
30	120	92	0.0160
20	120	75	0.0131
10	120	93	0.0162
0	120	86	0.0149
-10	120	95	0.0166
-20	120	95	0.0165
-30	120	86	0.0149

ANT1-802.11n20-CH165

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	91	0.0157
40	120	72	0.0124
30	120	87	0.0150
20	120	85	0.0146
10	120	96	0.0165
0	120	76	0.0130
-10	120	85	0.0147
-20	120	97	0.0166
-30	120	74	0.0126

ANT1-802.11n40-CH151

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	83	0.0145
40	120	92	0.0159
30	120	97	0.0168
20	120	94	0.0163
10	120	83	0.0143
0	120	92	0.0160
-10	120	79	0.0137

-20	120	81	0.0140
-30	120	77	0.0133

ANT1-802.11n40-CH159

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	75	0.0130
40	120	100	0.0172
30	120	100	0.0172
20	120	87	0.0151
10	120	85	0.0147
0	120	80	0.0139
-10	120	91	0.0157
-20	120	72	0.0124
-30	120	99	0.0171

ANT1-802.11ac20-CH149

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	86	0.0150
40	120	89	0.0156
30	120	74	0.0129
20	120	82	0.0142
10	120	93	0.0162
0	120	81	0.0141
-10	120	79	0.0137
-20	120	89	0.0155
-30	120	95	0.0165

ANT1-802.11ac20-CH165

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	70	0.0120
40	120	89	0.0152
30	120	92	0.0158
20	120	78	0.0134
10	120	77	0.0132
0	120	84	0.0144
-10	120	85	0.0146
-20	120	81	0.0139
-30	120	82	0.0142

ANT1-802.11ac40-CH151

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	89	0.0155
40	120	97	0.0169
30	120	97	0.0168

20	120	99	0.0173
10	120	78	0.0136
0	120	89	0.0155
-10	120	91	0.0159
-20	120	90	0.0157
-30	120	80	0.0138

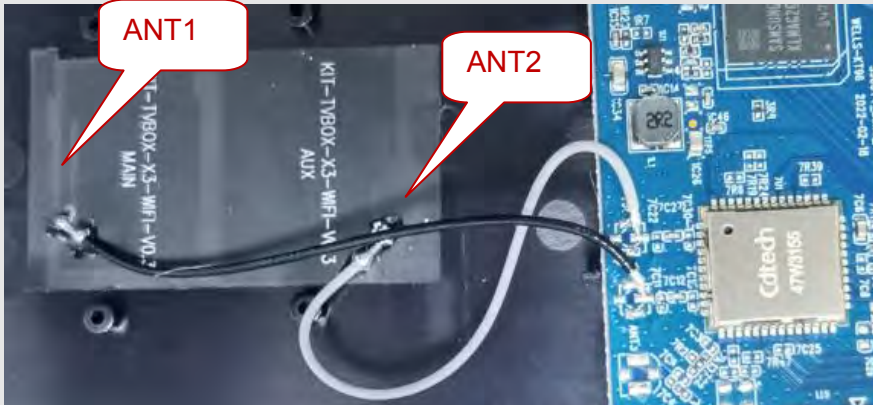
ANT1-802.11ac40-CH159

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	82	0.0141
40	120	82	0.0142
30	120	72	0.0124
20	120	77	0.0132
10	120	90	0.0156
0	120	88	0.0152
-10	120	79	0.0136
-20	120	97	0.0167
-30	120	96	0.0167

ANT1-802.11ac80-CH155

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	82	0.0143
40	120	84	0.0145
30	120	86	0.0149
20	120	84	0.0145
10	120	86	0.0149
0	120	85	0.0146
-10	120	80	0.0139
-20	120	78	0.0134
-30	120	81	0.0140

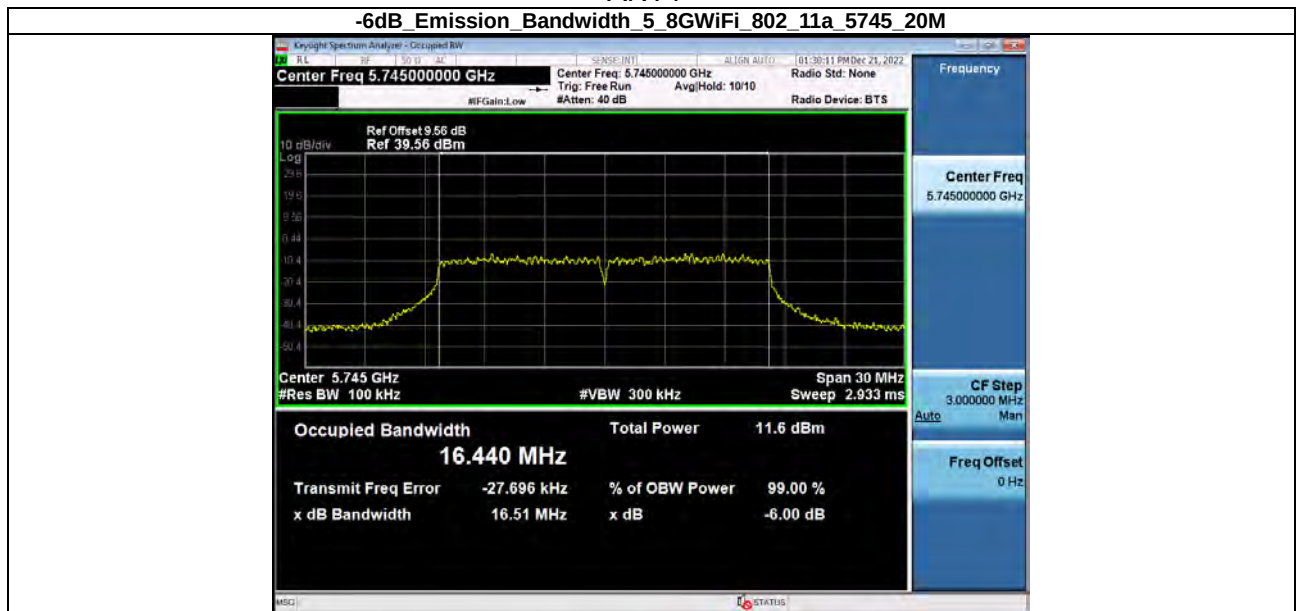
10.ANTENNA REQUIREMENT

Standard requirement:	FCC Part15 C Section 15.203 /247(c)
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247, if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi. Refer to statement below for compliance. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.	
EUT Antenna: The antenna is Internal antenna, the best case gain of the antennas is ANT1:4.63dBi; ANT2:4.67dBi, reference to the below photo for details 	

11. APPENDIX1---5.8GWIFI**1. -6DB EMISSION BANDWIDTH**

Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	LCH	5745.00	16.510	0.500	Pass
NVNT	ANT1	MCH	5785.00	16.521	0.500	Pass
NVNT	ANT1	HCH	5825.00	16.483	0.500	Pass
NVNT	ANT1	LCH	5745.00	17.734	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.727	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.747	0.500	Pass
NVNT	ANT1	LCH	5745.00	17.692	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.706	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.669	0.500	Pass
NVNT	ANT1	LCH	5755.00	36.493	0.500	Pass
NVNT	ANT1	HCH	5795.00	36.488	0.500	Pass
NVNT	ANT1	LCH	5755.00	36.487	0.500	Pass
NVNT	ANT1	HCH	5795.00	36.506	0.500	Pass
NVNT	ANT1	MCH	5775.00	75.791	0.500	Pass

Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT2	LCH	5745.00	16.507	0.500	Pass
NVNT	ANT2	MCH	5785.00	16.525	0.500	Pass
NVNT	ANT2	HCH	5825.00	16.519	0.500	Pass
NVNT	ANT2	LCH	5745.00	17.756	0.500	Pass
NVNT	ANT2	MCH	5785.00	17.761	0.500	Pass
NVNT	ANT2	HCH	5825.00	17.729	0.500	Pass
NVNT	ANT2	LCH	5745.00	17.687	0.500	Pass
NVNT	ANT2	MCH	5785.00	17.687	0.500	Pass
NVNT	ANT2	HCH	5825.00	17.694	0.500	Pass
NVNT	ANT2	LCH	5755.00	36.467	0.500	Pass
NVNT	ANT2	HCH	5795.00	36.463	0.500	Pass
NVNT	ANT2	LCH	5755.00	36.466	0.500	Pass
NVNT	ANT2	HCH	5795.00	36.487	0.500	Pass
NVNT	ANT2	MCH	5775.00	75.548	0.500	Pass

ANT1**-6dB_Emission_Bandwidth_5_8WiFi_802_11a_5785_20M**



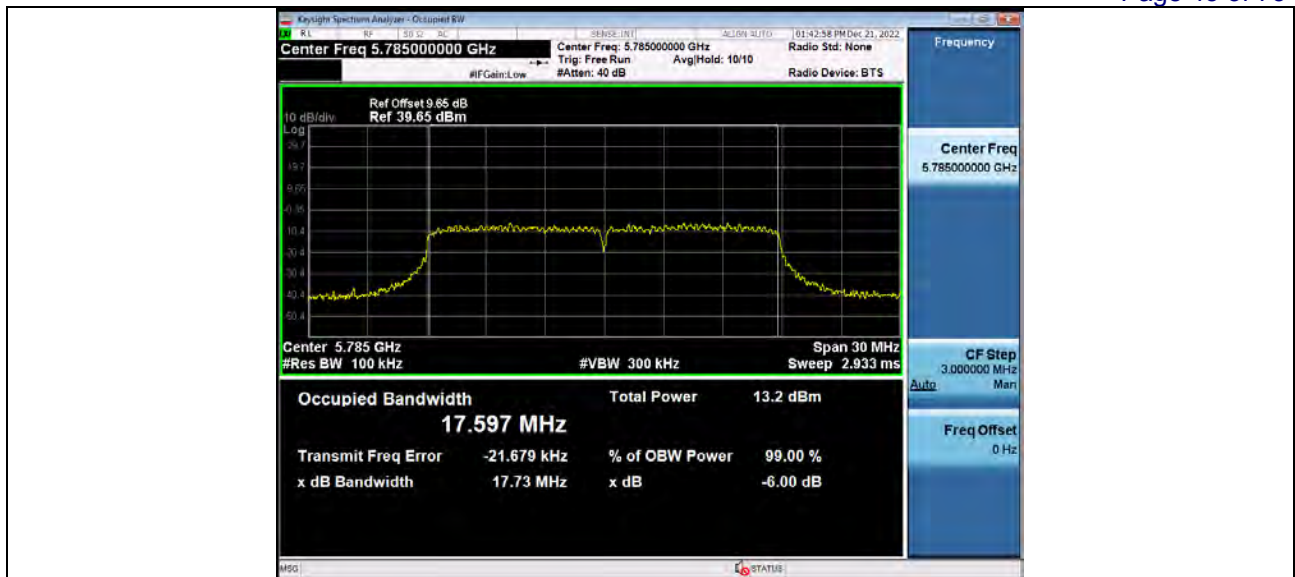
-6dB Emission Bandwidth 5_8WiFi 802_11a 5825_20M



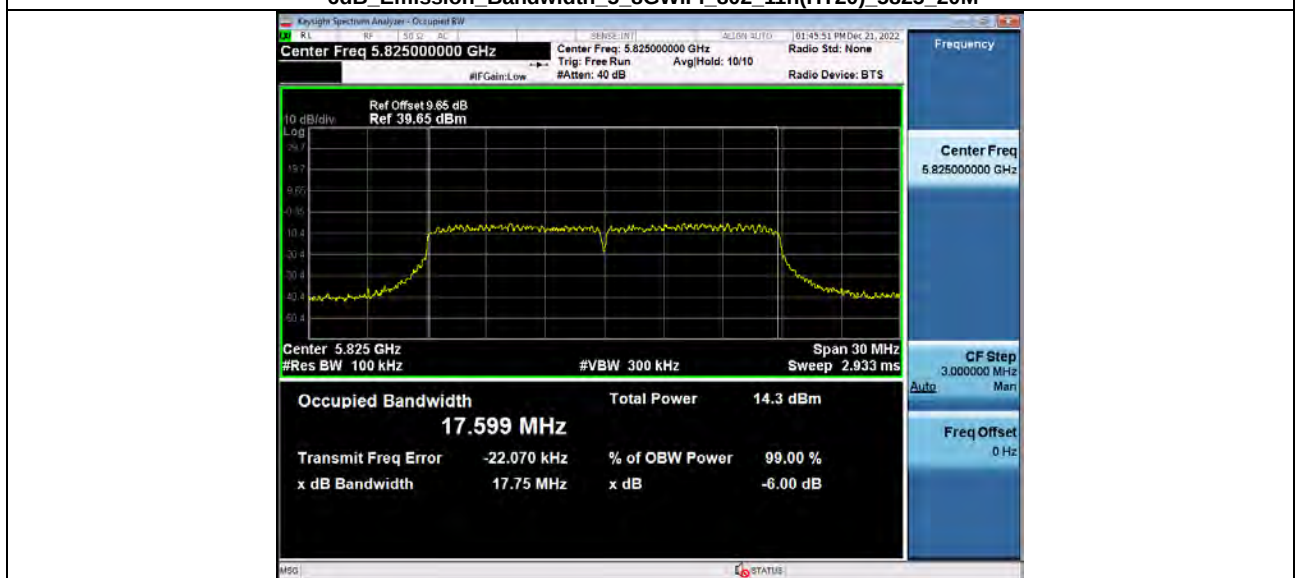
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-6dB Emission Bandwidth 5_8WiFi 802_11n(HT20) 5785_20M



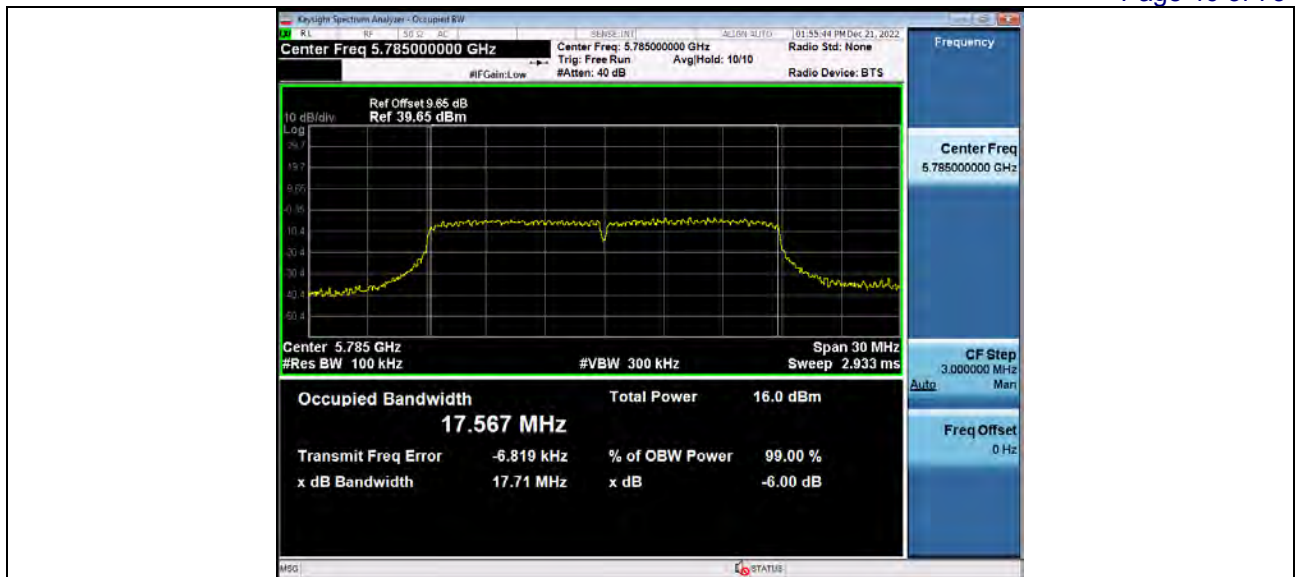
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-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT20) 5745_20M



-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT20) 5785_20M



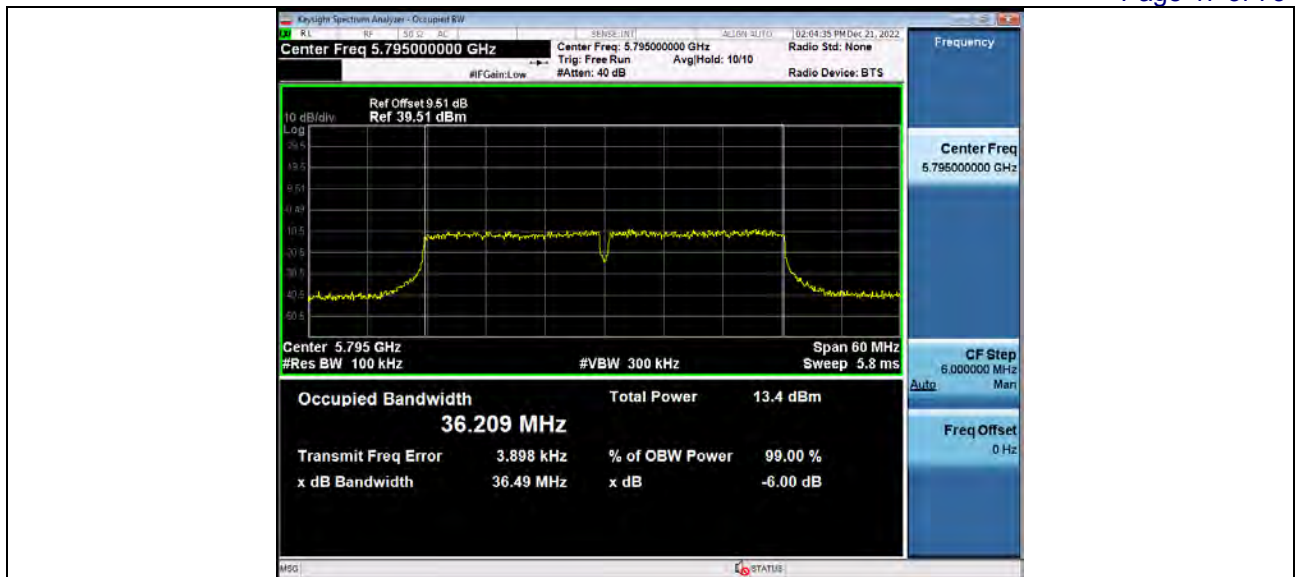
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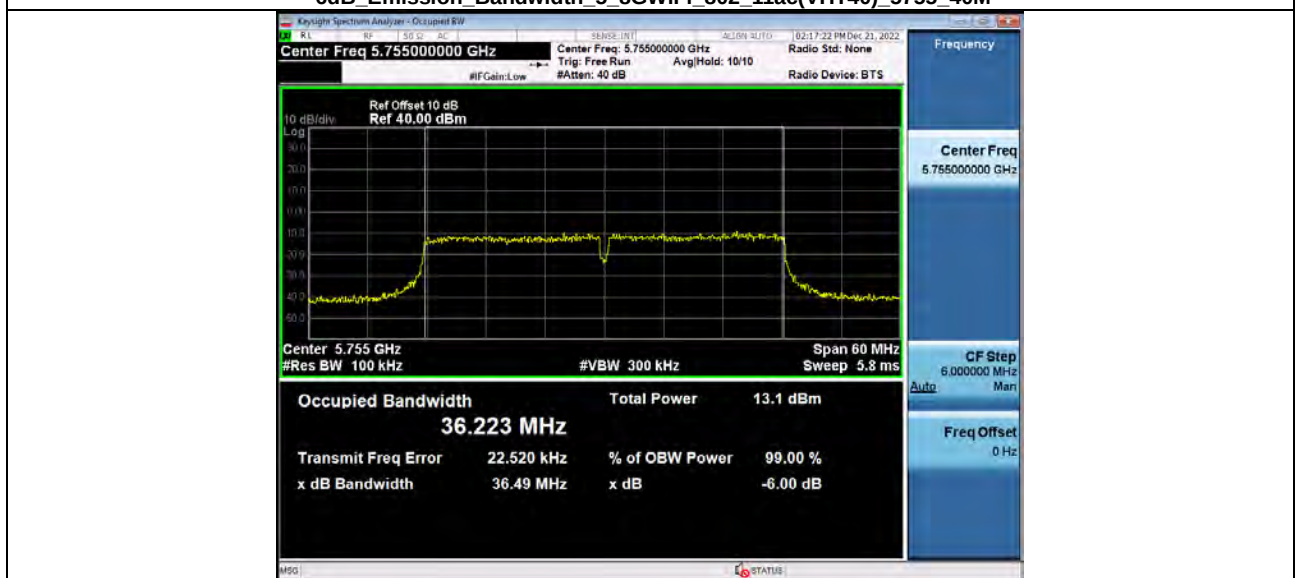
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT40)_5755_40M



-6dB Emission Bandwidth 5_8WiFi 802_11n(HT40)_5795_40M



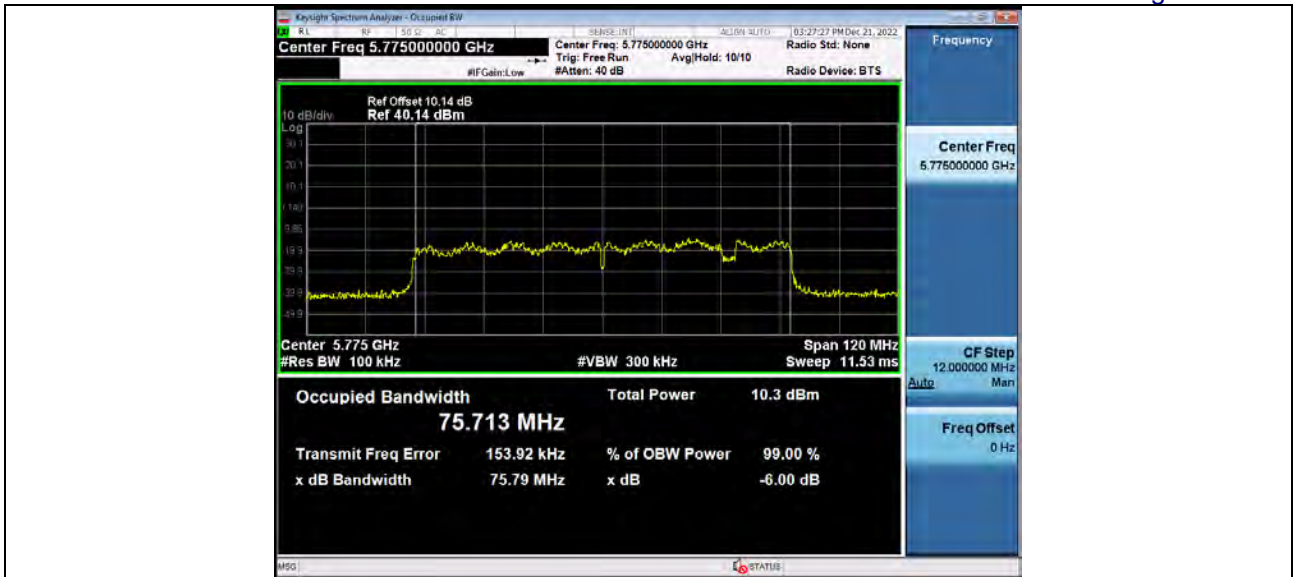
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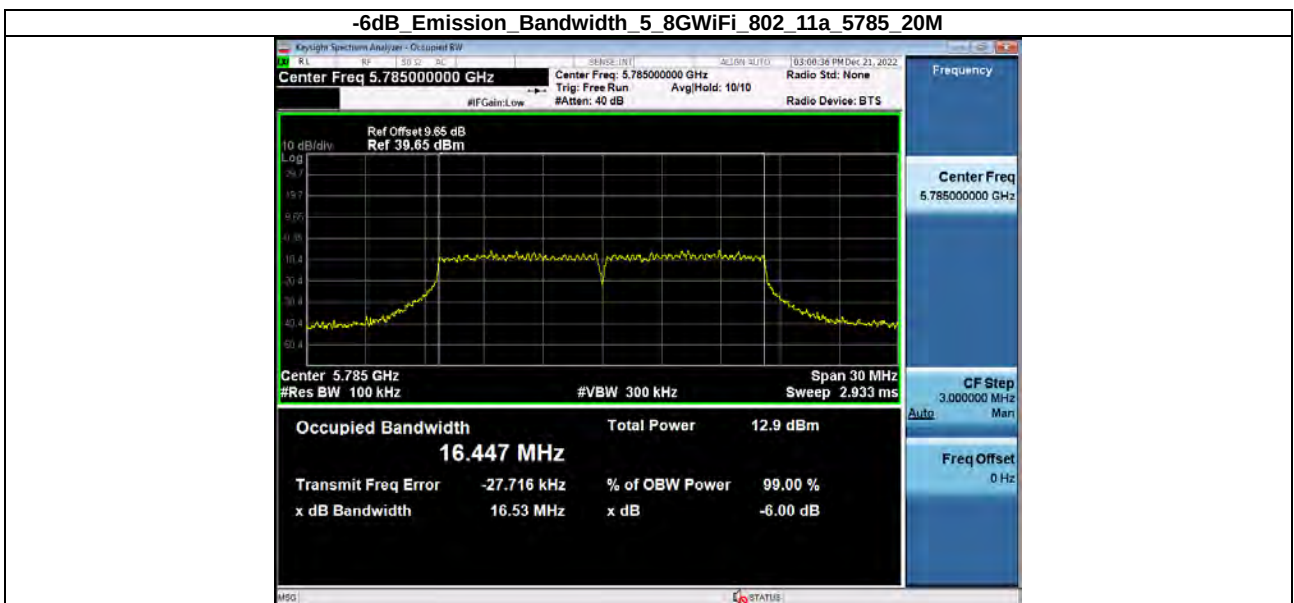
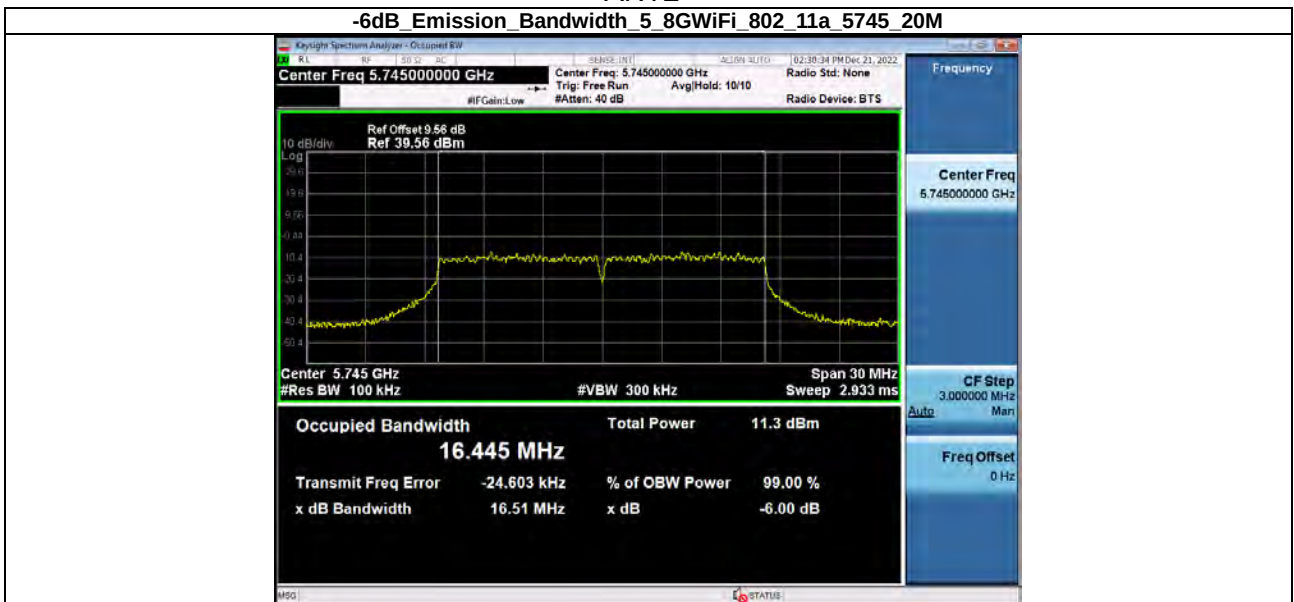
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT40)_5795_40M



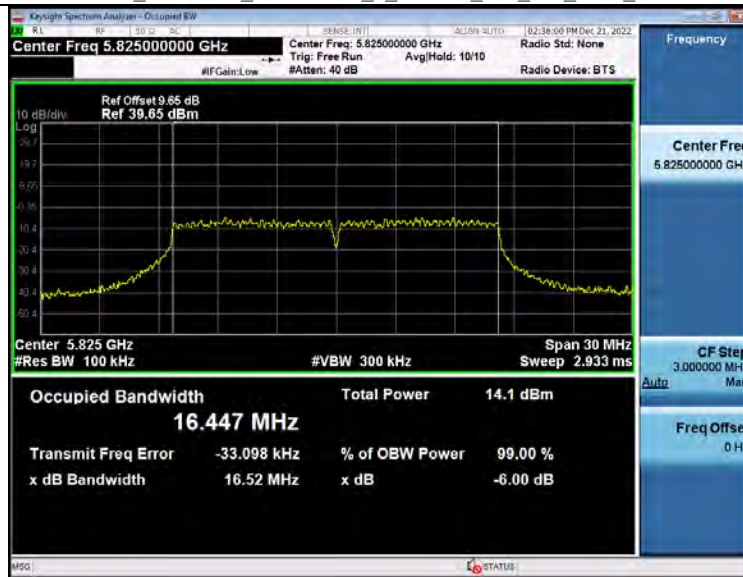
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT80)_5775_80M



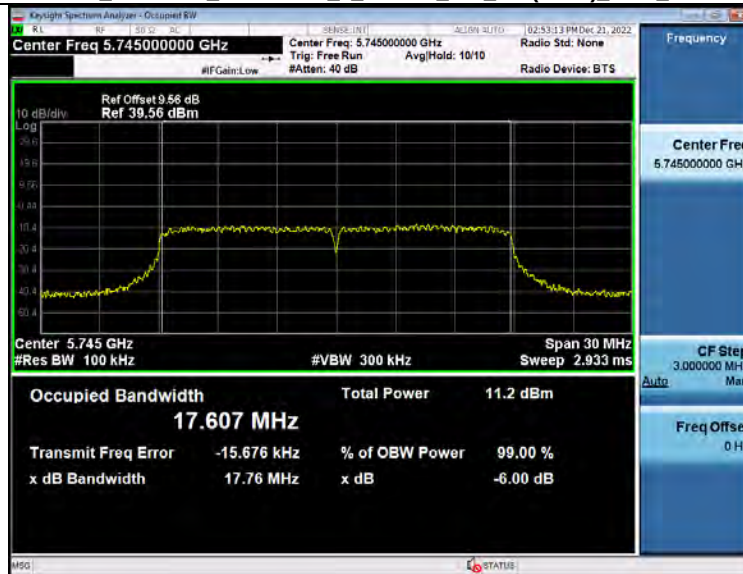
ANT2



-6dB Emission Bandwidth 5_8WiFi 802_11a 5825_20M



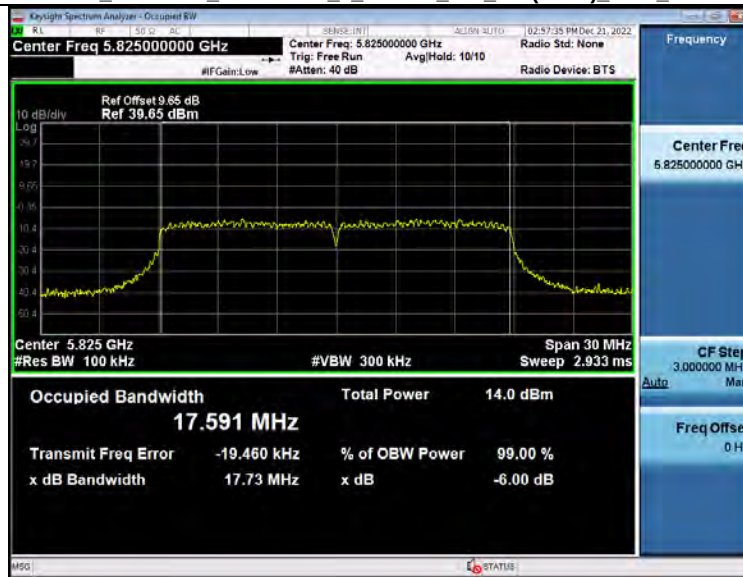
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT20) 5745_20M



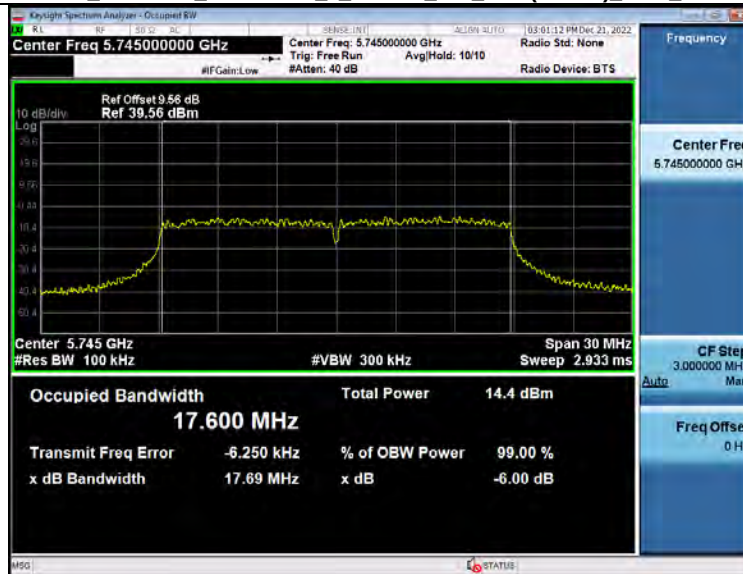
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT20) 5785_20M



-6dB Emission Bandwidth 5_8WiFi 802_11n(HT20)_5825_20M



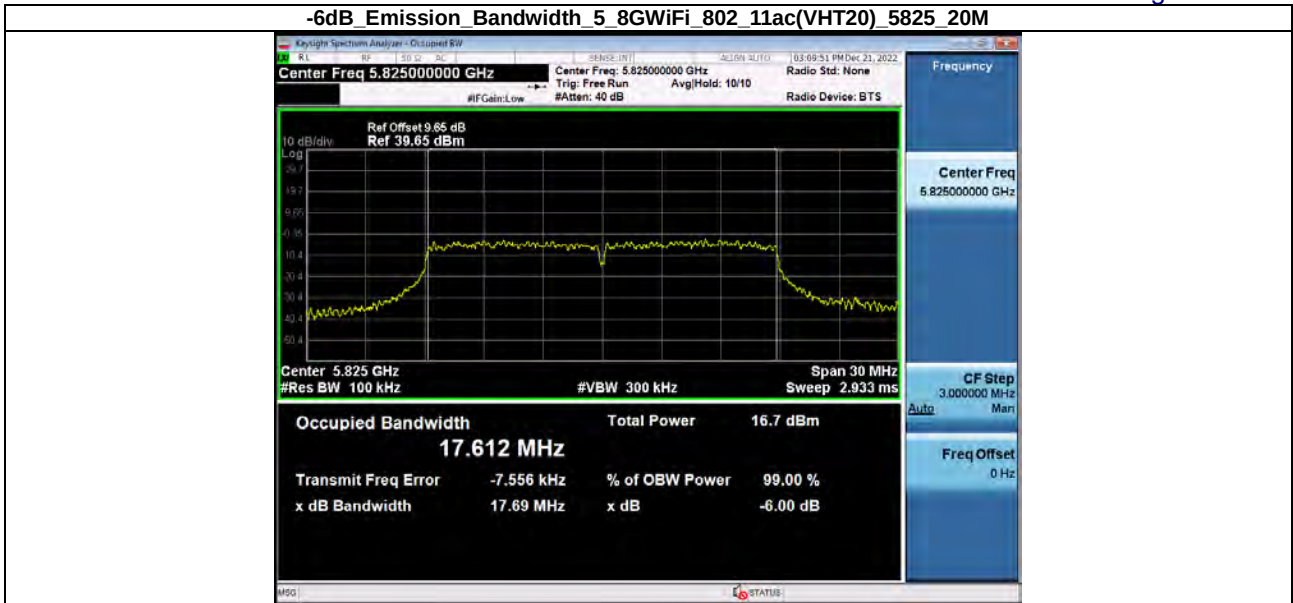
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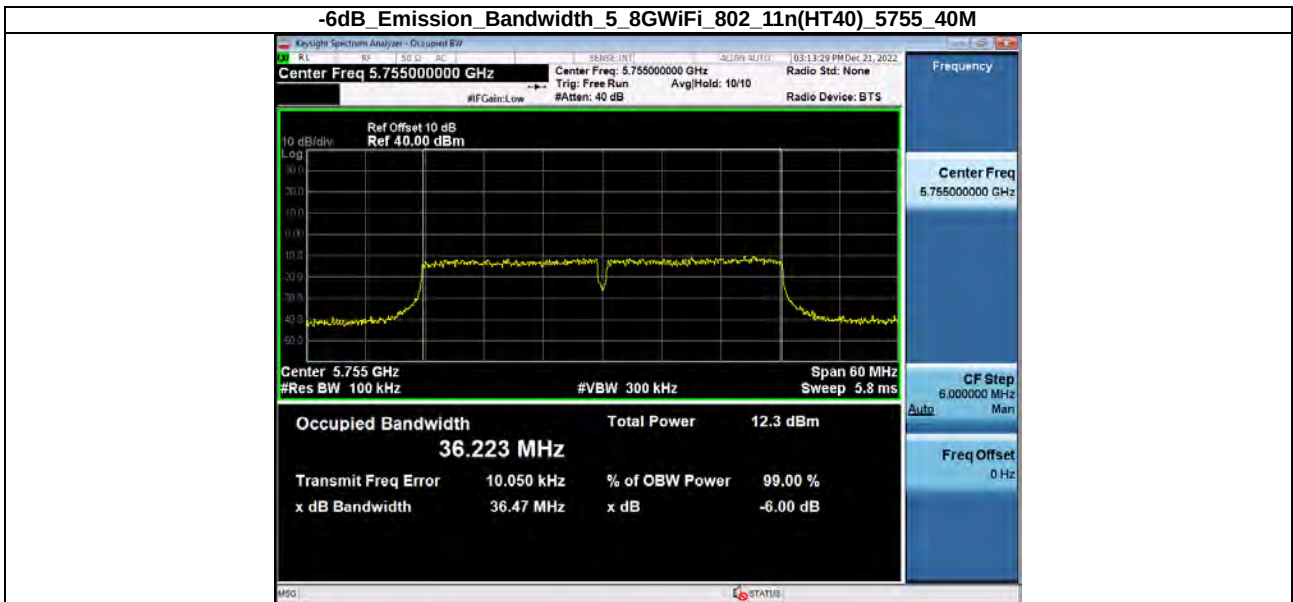
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT20)_5785_20M



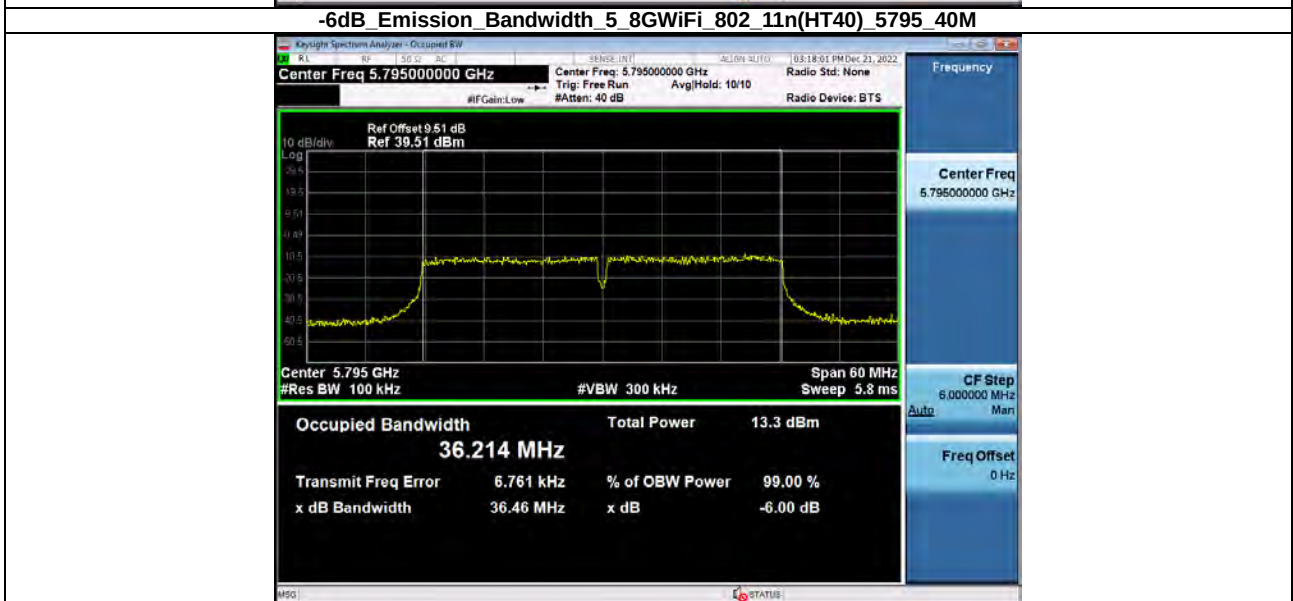
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT20)_5825_20M



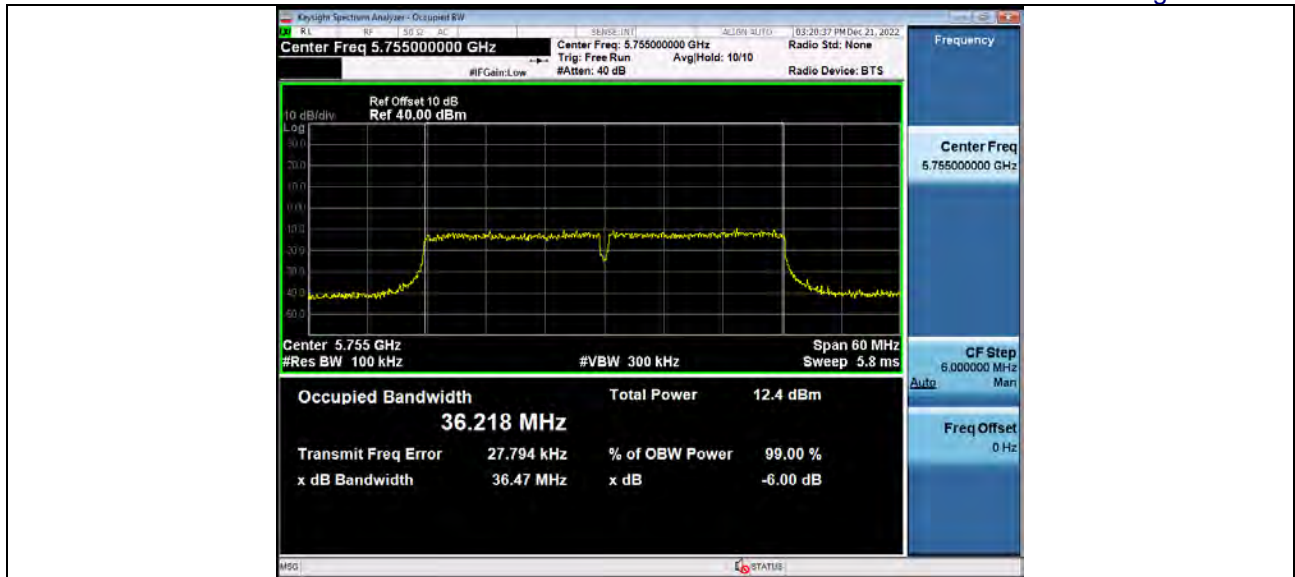
-6dB Emission Bandwidth 5_8WiFi 802_11n(HT40)_5755_40M



-6dB Emission Bandwidth 5_8WiFi 802_11n(HT40)_5795_40M



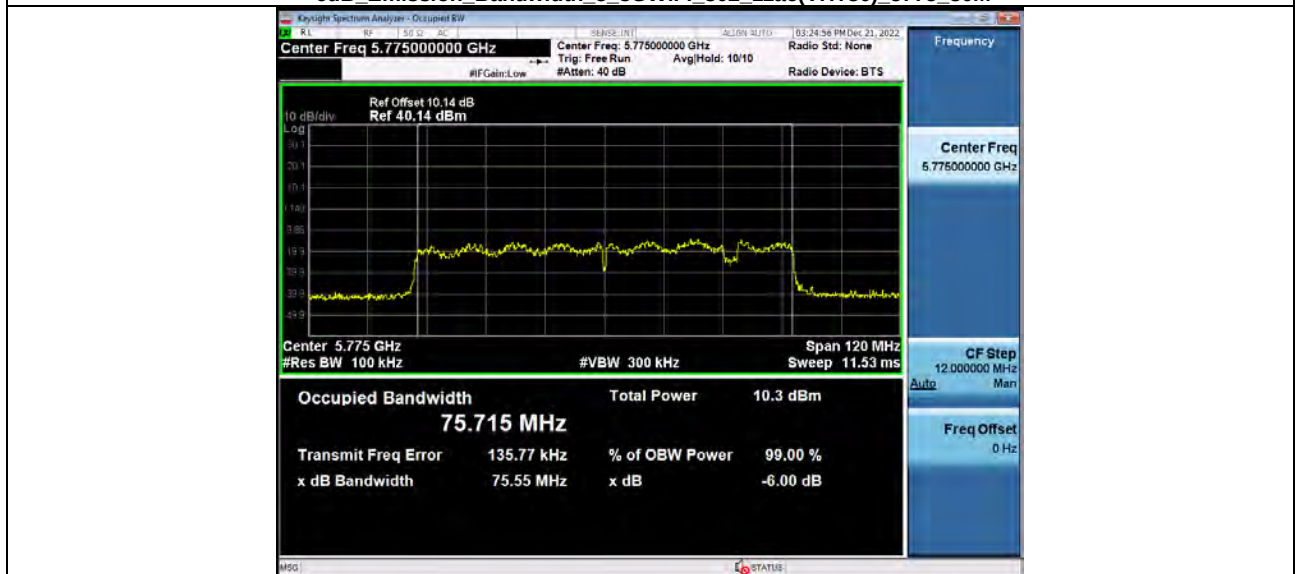
-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT40)_5755_40M



-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT40) 5795_40M



-6dB Emission Bandwidth 5_8WiFi 802_11ac(VHT80) 5775_80M



2. MAXIMUM CONDUCTED OUTPUT POWER

Condition	Modulation	Frequency (MHz)	Conducted Power(dBm)		limit(dBm)	MIMO Conducted Power(dBm)	MIMO Limit (dBm)	Result
			ANT1	ANT2				
NVNT	802.11a	5745.00	13.48	13.30	30	/	/	Pass
NVNT	802.11a	5785.00	12.38	11.98	30	/	/	Pass
NVNT	802.11a	5825.00	13.39	13.07	30	/	/	Pass
NVNT	802.11n(HT20)	5745.00	12.35	13.02	30	15.71	28.34	Pass
NVNT	802.11n(HT20)	5785.00	12.00	11.64	30	14.83	28.34	Pass
NVNT	802.11n(HT20)	5825.00	12.96	12.66	30	15.82	28.34	Pass
NVNT	802.11ac(VHT20)	5745.00	13.52	13.19	30	16.37	28.34	Pass
NVNT	802.11ac(VHT20)	5785.00	14.99	14.42	30	17.72	28.34	Pass
NVNT	802.11ac(VHT20)	5825.00	15.85	15.59	30	18.73	28.34	Pass
NVNT	802.11n(HT40)	5755.00	11.08	11.08	30	14.09	28.34	Pass
NVNT	802.11n(HT40)	5795.00	12.27	11.96	30	15.13	28.34	Pass
NVNT	802.11ac(VHT40)	5755.00	11.52	11.16	30	14.35	28.34	Pass
NVNT	802.11ac(VHT40)	5795.00	12.43	12.06	30	15.26	28.34	Pass
NVNT	802.11ac(VHT80)	5775.00	8.65	8.61	30	11.64	28.34	Pass

Note: MIMO limit=30-(7.66-6)=30-1.66=28.34dBm

3. POWER SPECTRAL DENSITY

Condition	Antenna	Modulation	Frequency (MHz)	PSD (dBm/510KHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
NVNT	ANT1	802.11a	5745.00	-2.090	-2.176	30	Pass
NVNT	ANT1	802.11a	5785.00	-0.259	-0.345	30	Pass
NVNT	ANT1	802.11a	5825.00	0.726	0.640	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-1.917	-2.003	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	0.090	0.004	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	0.869	0.783	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	1.468	1.382	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	2.339	2.253	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	3.268	3.182	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-4.123	-4.209	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-3.944	-4.030	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-3.132	-3.218	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-2.728	-2.814	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	-8.283	-8.369	30	Pass

Condition	Antenna	Modulation	Frequency (MHz)	PSD (dBm/510KHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
NVNT	ANT2	802.11a	5745.00	-2.349	-2.435	30	Pass
NVNT	ANT2	802.11a	5785.00	-0.544	-0.630	30	Pass
NVNT	ANT2	802.11a	5825.00	0.408	0.322	30	Pass
NVNT	ANT2	802.11n(HT20)	5745.00	-2.399	-2.485	30	Pass
NVNT	ANT2	802.11n(HT20)	5785.00	-0.623	-0.709	30	Pass
NVNT	ANT2	802.11n(HT20)	5825.00	0.709	0.623	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5745.00	1.021	0.935	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5785.00	2.671	2.585	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5825.00	3.163	3.077	30	Pass
NVNT	ANT2	802.11n(HT40)	5755.00	-4.721	-4.807	30	Pass
NVNT	ANT2	802.11n(HT40)	5795.00	-3.785	-3.871	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5755.00	-4.195	-4.281	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5795.00	-4.078	-4.164	30	Pass
NVNT	ANT2	802.11ac(VHT80)	5775.00	-8.413	-8.499	30	Pass

Condition	Antenna	Modulation	Frequency (MHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
NVNT	MIMO	802.11n(HT20)	5745.00	0.77	28.34	Pass
NVNT	MIMO	802.11n(HT20)	5785.00	2.67	28.34	Pass
NVNT	MIMO	802.11n(HT20)	5825.00	3.71	28.34	Pass
NVNT	MIMO	802.11ac(VHT20)	5745.00	4.17	28.34	Pass
NVNT	MIMO	802.11ac(VHT20)	5785.00	5.43	28.34	Pass
NVNT	MIMO	802.11ac(VHT20)	5825.00	6.14	28.34	Pass
NVNT	MIMO	802.11n(HT40)	5755.00	-1.49	28.34	Pass
NVNT	MIMO	802.11n(HT40)	5795.00	-0.94	28.34	Pass
NVNT	MIMO	802.11ac(VHT40)	5755.00	-0.71	28.34	Pass
NVNT	MIMO	802.11ac(VHT40)	5795.00	-0.43	28.34	Pass
NVNT	MIMO	802.11ac(VHT80)	5775.00	-5.42	28.34	Pass

Note: MIMO limit=30-(7.66-6)=30-1.66=28.34 dBm/500KHz

ANT1

Power Spectral Density 5_8WiFi 802_11a 5745_20M



Power Spectral Density 5_8WiFi 802_11a 5785_20M



Power Spectral Density 5_8WiFi 802_11a 5825_20M



Power Spectral Density 5_8WiFi 802_11n(HT20) 5745_20M



Power Spectral Density 5_8WiFi 802_11n(HT20) 5785_20M



Power Spectral Density 5_8WiFi 802_11n(HT20) 5825_20M



Power Spectral Density 5_8WiFi 802_11ac(VHT20) 5745_20M



Power Spectral Density 5_8WiFi 802_11ac(VHT20)_5785_20M



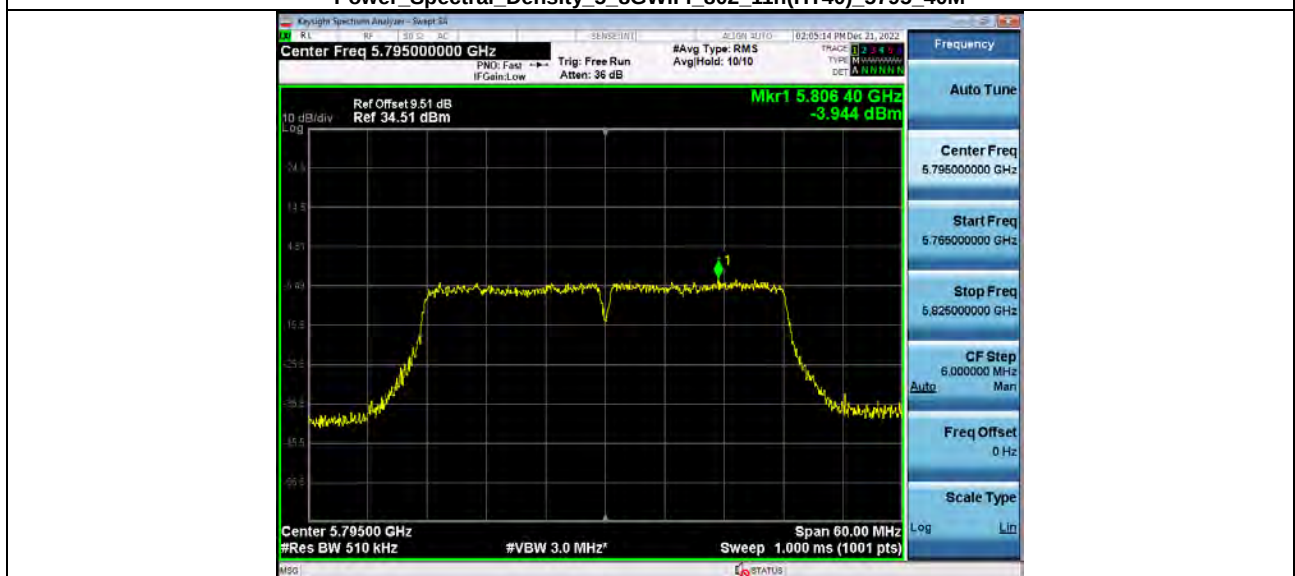
Power Spectral Density 5_8WiFi 802_11ac(VHT20)_5825_20M



Power Spectral Density 5_8WiFi 802_11n(HT40)_5755_40M



Power_Spectral_Density_5_8WiFi_802_11n(HT40)_5795_40M



Power_Spectral_Density_5_8WiFi_802_11ac(VHT40)_5755_40M



Power_Spectral_Density_5_8WiFi_802_11ac(VHT40)_5795_40M



Power Spectral Density 5_8WiFi 802_11ac(VHT80)_5775_80M



ANT2

Power Spectral Density 5_8WiFi 802_11a 5745_20M



Power Spectral Density 5_8WiFi 802_11a 5785_20M



Power Spectral Density 5_8WiFi 802_11a 5825_20M



Power Spectral Density 5_8WiFi 802_11n(HT20) 5745_20M





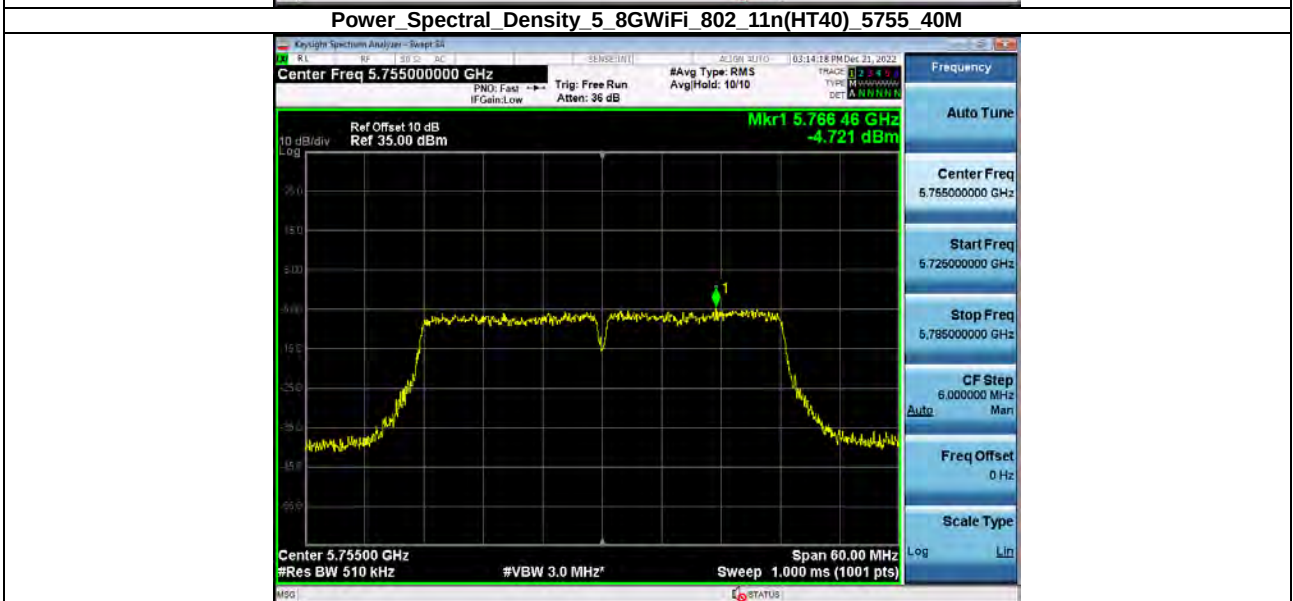
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Power Spectral Density 5_8WiFi 802_11ac(VHT20)_5825_20M



Power Spectral Density 5_8WiFi 802_11n(HT40)_5755_40M



Power Spectral Density 5_8WiFi 802_11n(HT40)_5795_40M



Power_Spectral_Density 5_8WiFi 802_11ac(VHT40)_5755_40M



Power_Spectral_Density 5_8WiFi 802_11ac(VHT40)_5795_40M

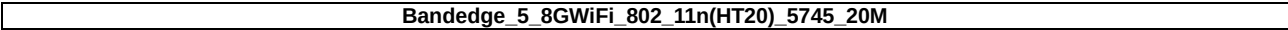
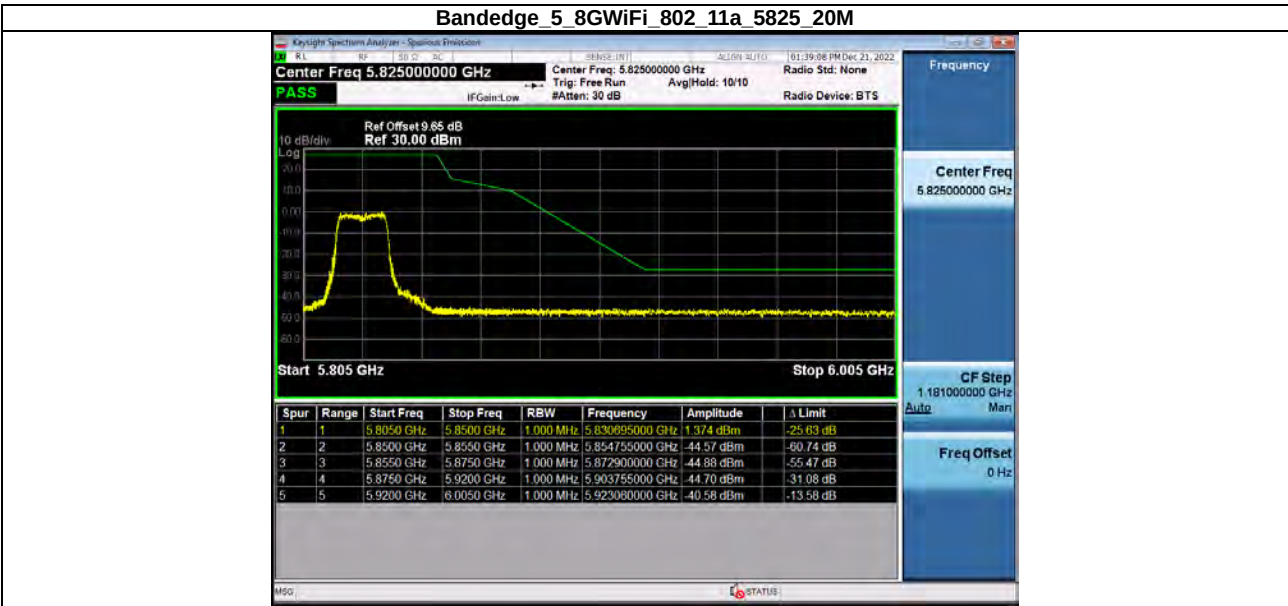
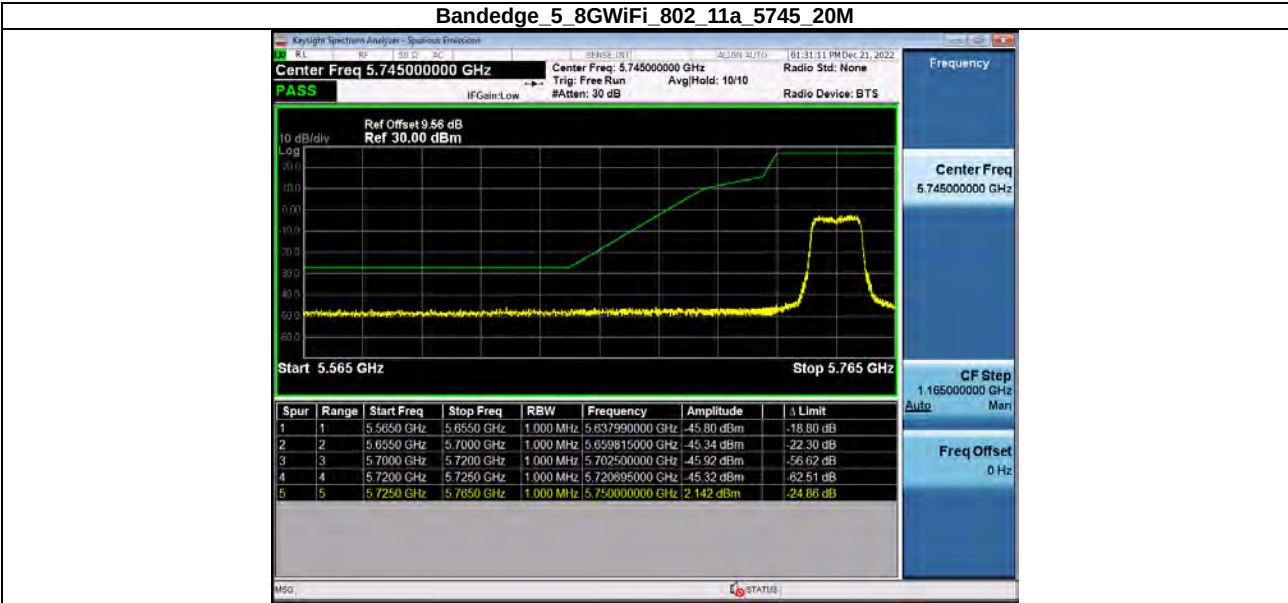


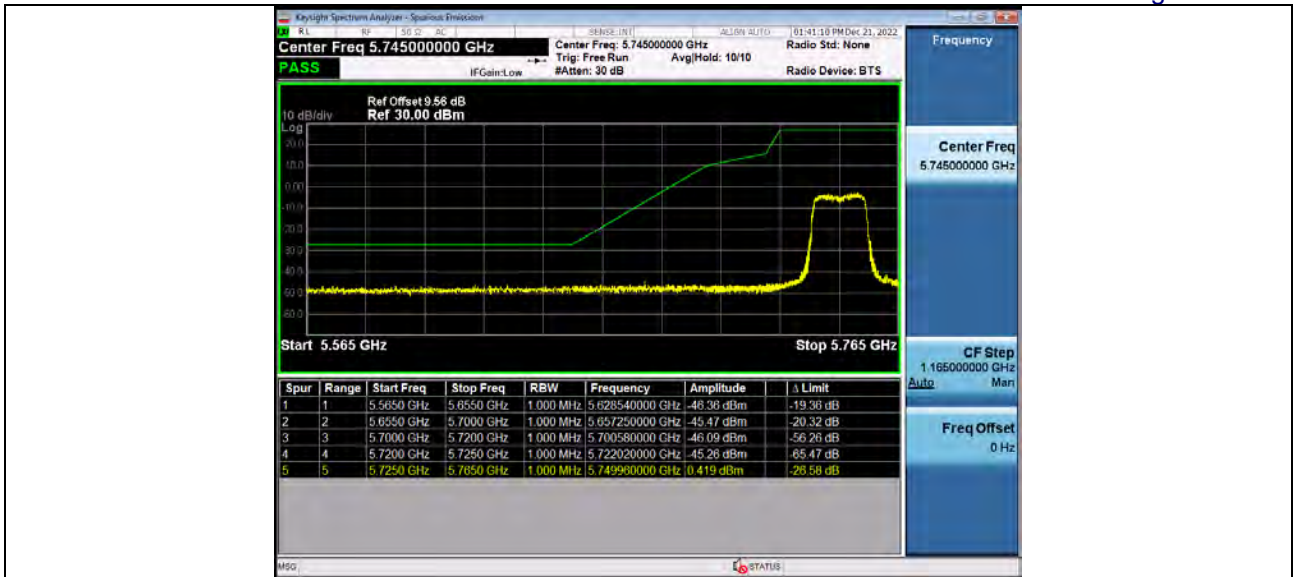
Power_Spectral_Density 5_8WiFi 802_11ac(VHT80)_5775_80M



4. BANDEDGE

ANT1





Bandedge_5_8WiFi_802_11n(HT20)_5825_20M



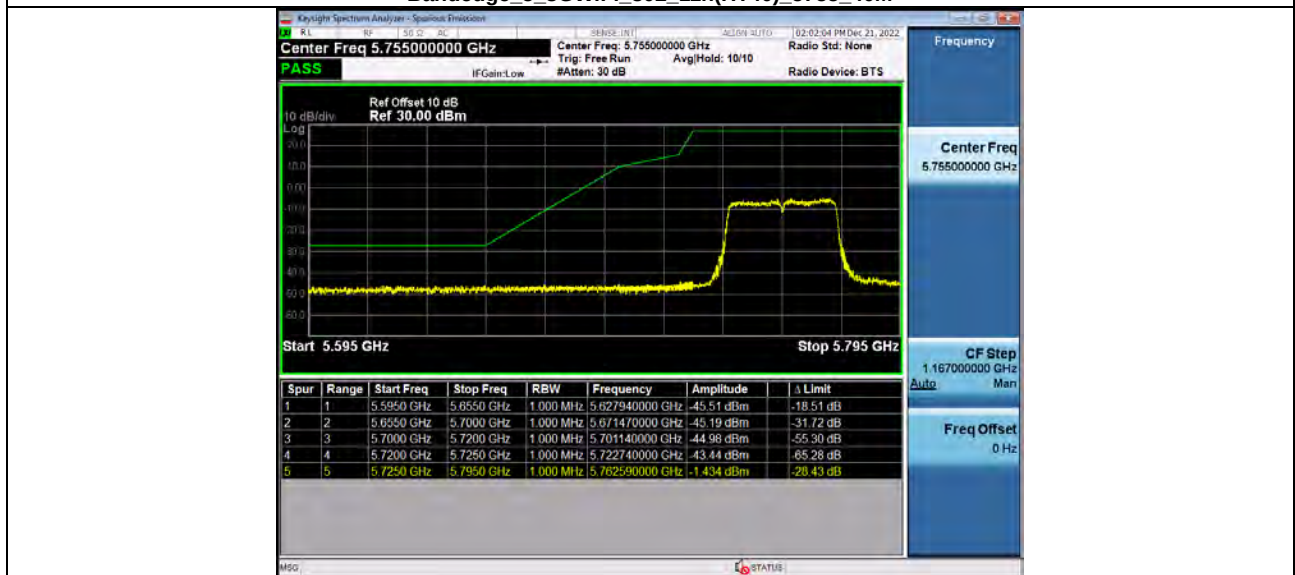
Bandedge_5_8WiFi_802_11ac(VHT20)_5745_20M



Bandedge_5_8WiFi_802_11ac(VHT20)_5825_20M



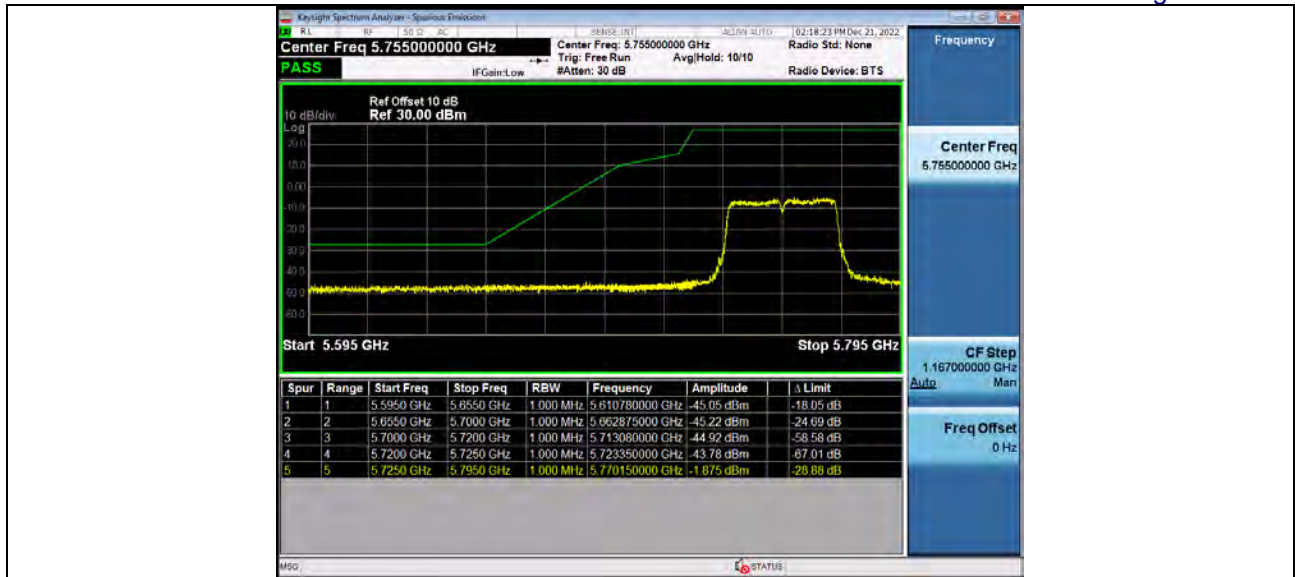
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Bandedge_5_8WiFi_802_11n(HT40)_5795_40M



Bandedge_5_8WiFi_802_11ac(VHT40)_5755_40M

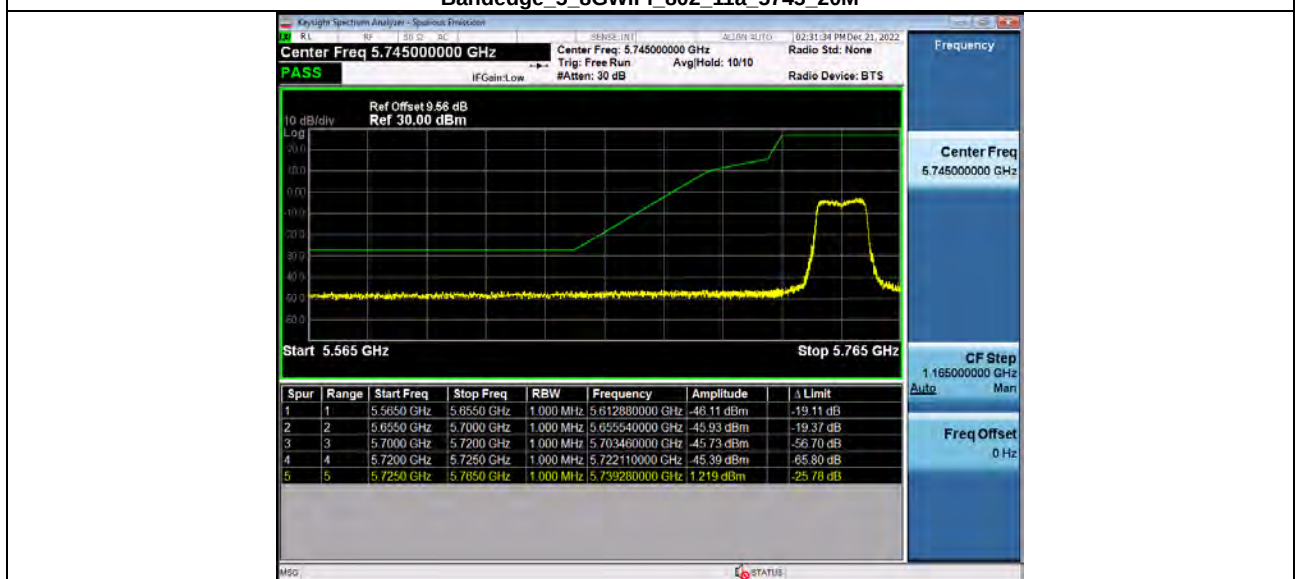


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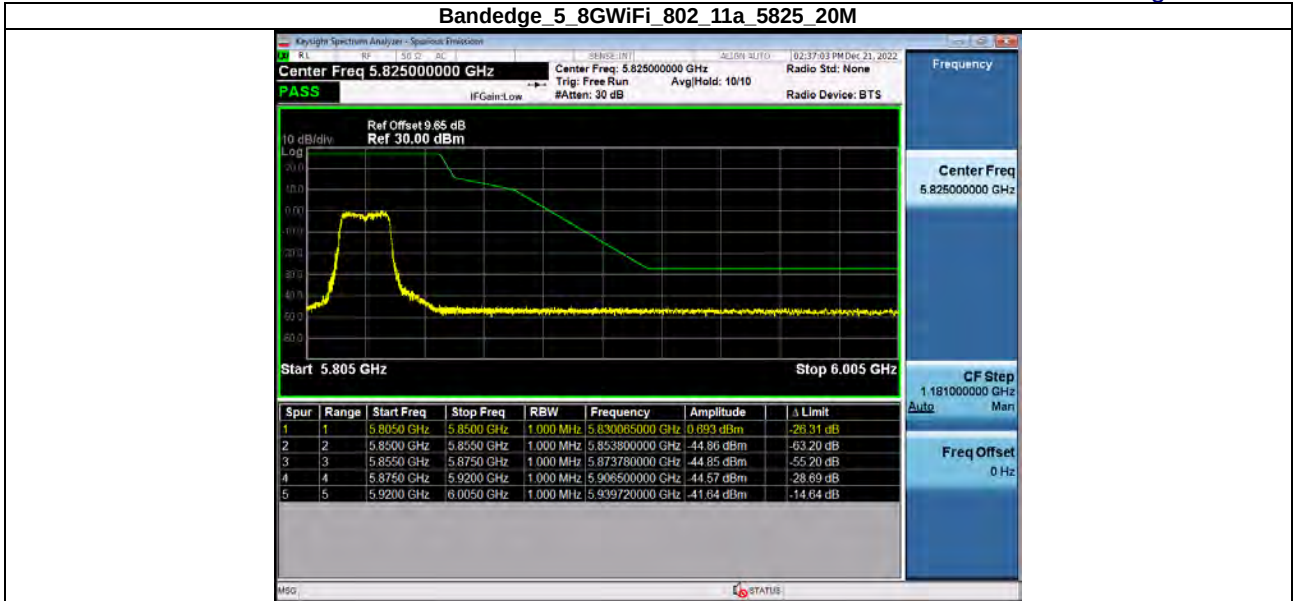


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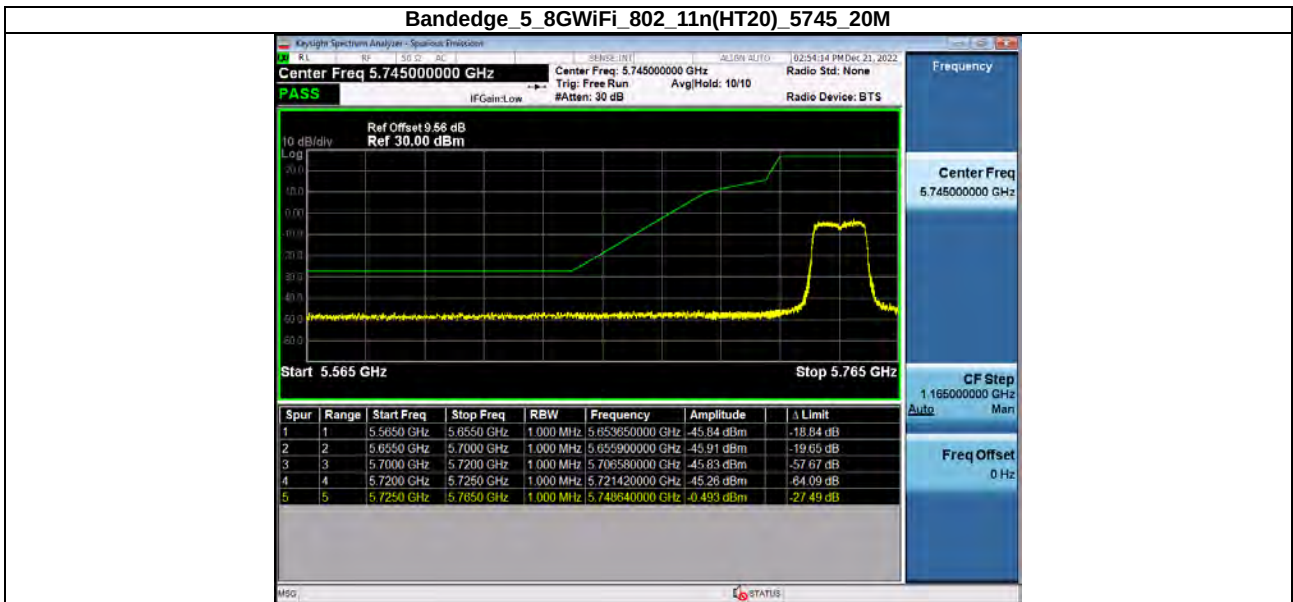
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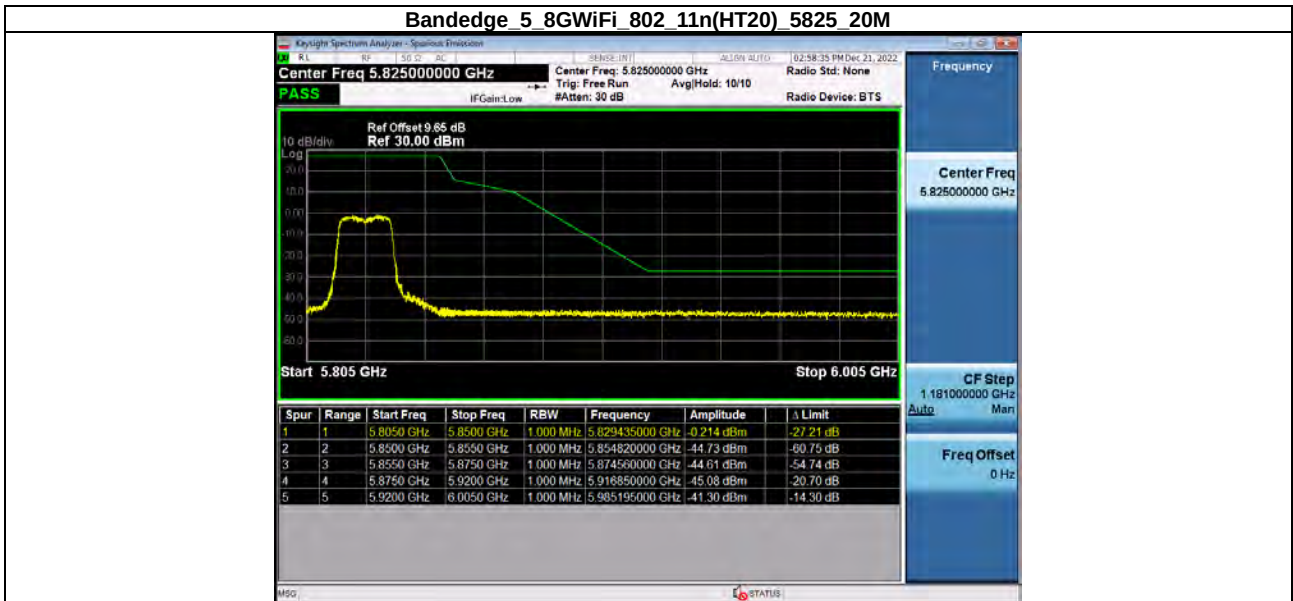
Bandedge 5 8GWiFi 802_11a 5825 20M



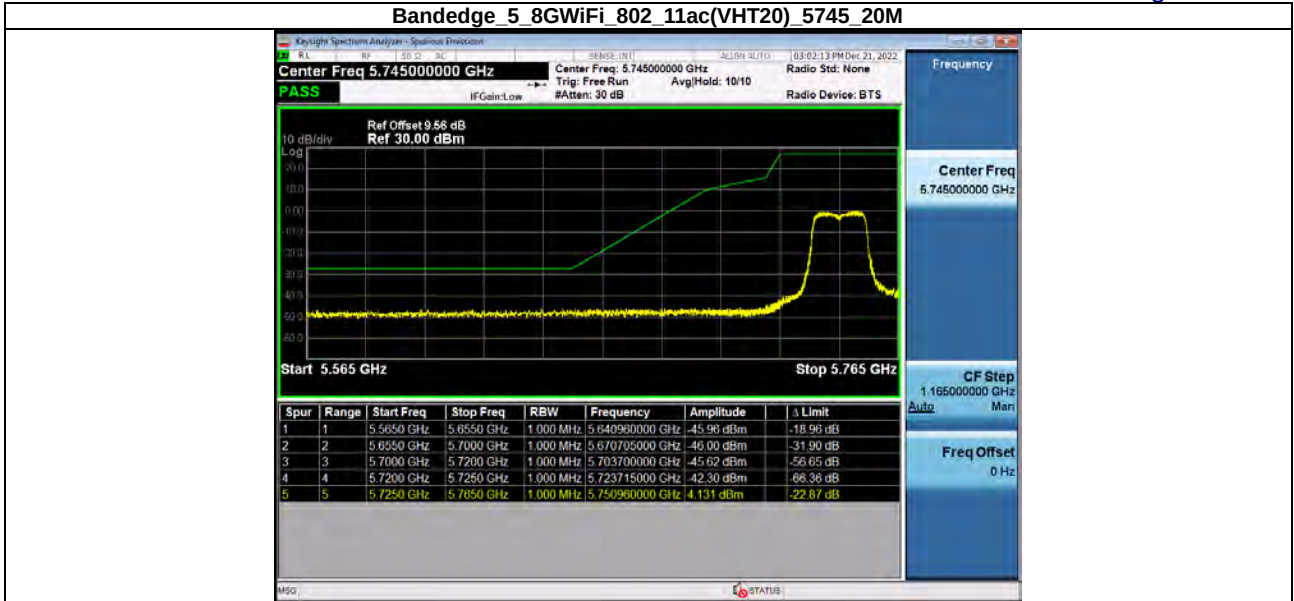
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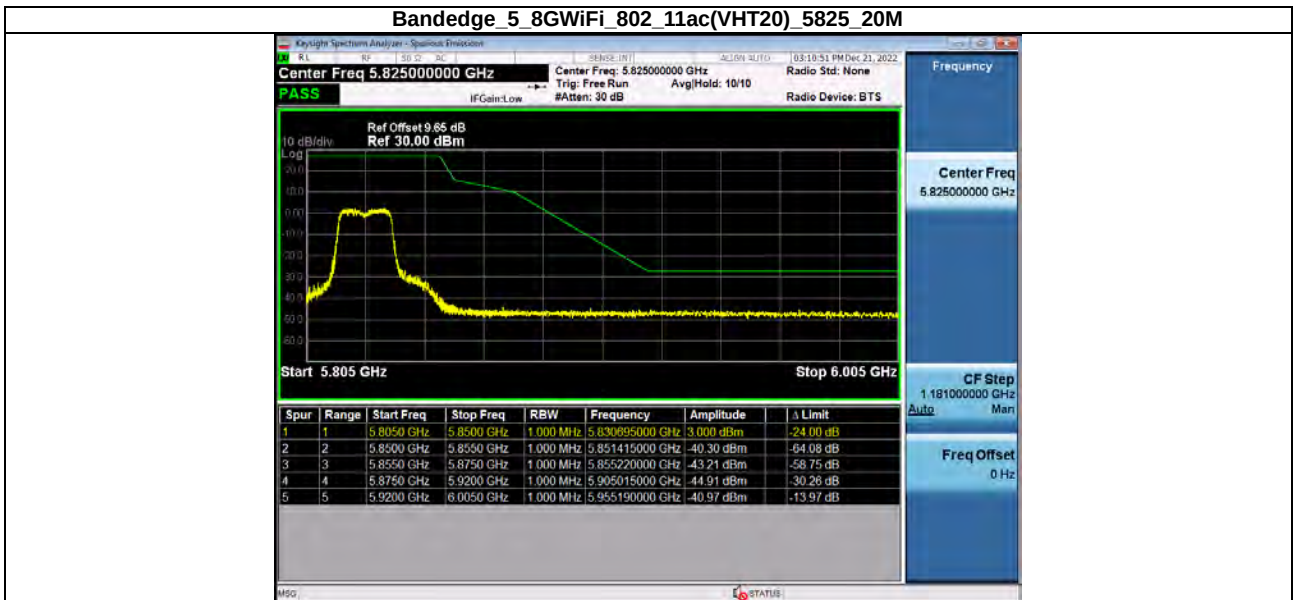
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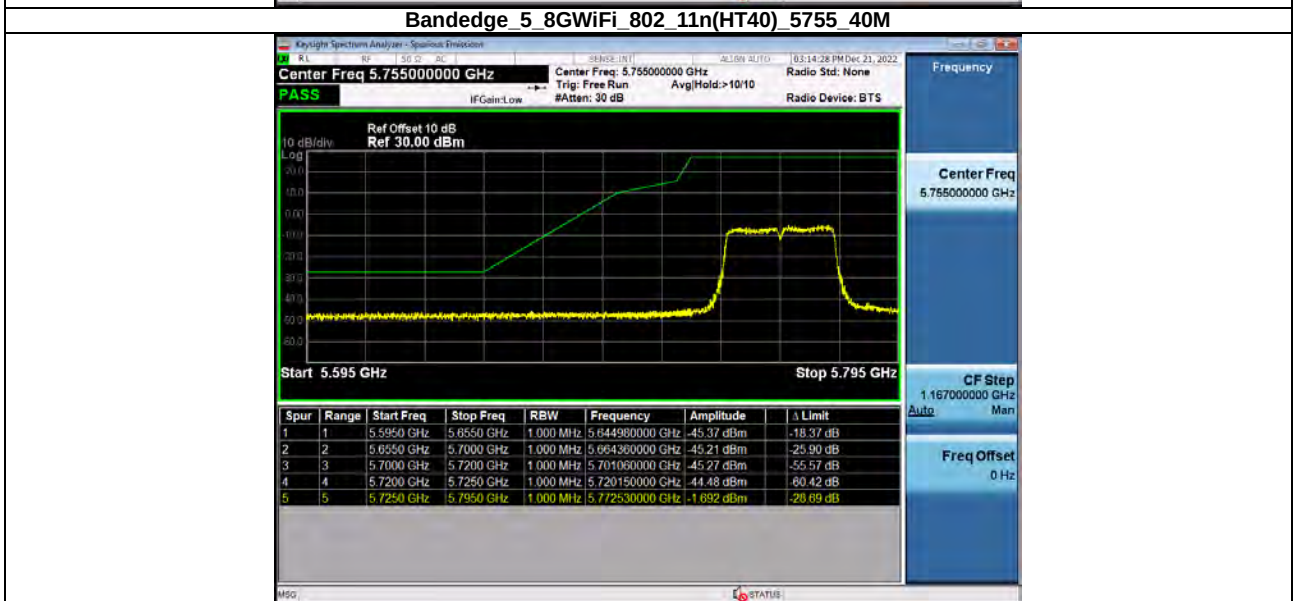
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Bandedge 5 8WiFi 802_11ac(VHT20) 5825_20M



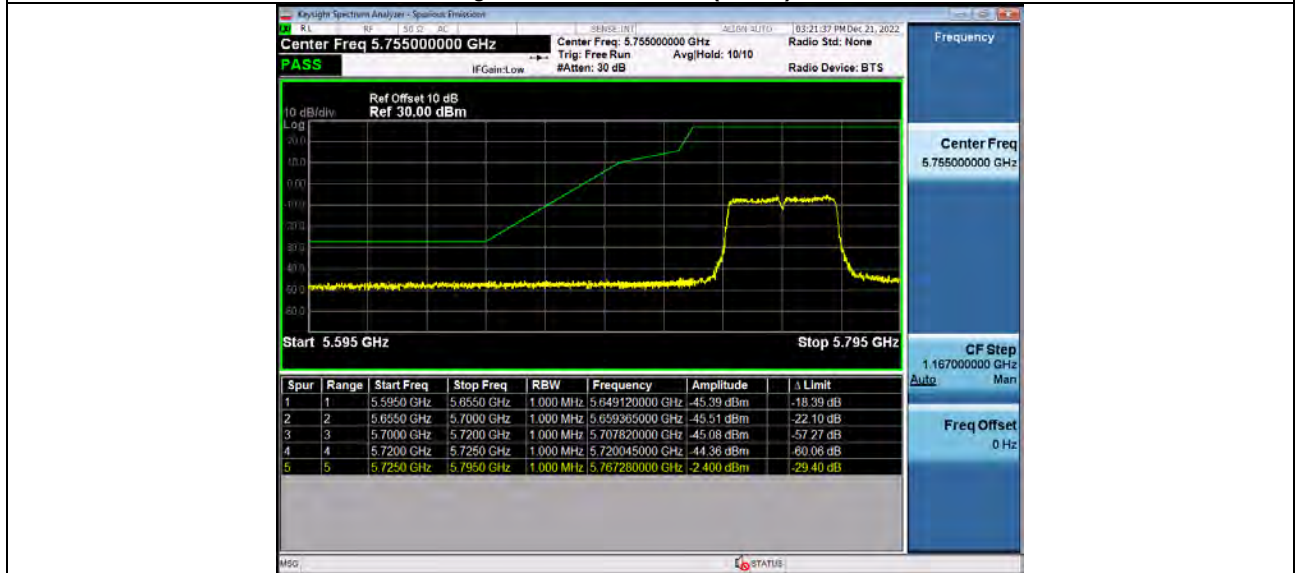
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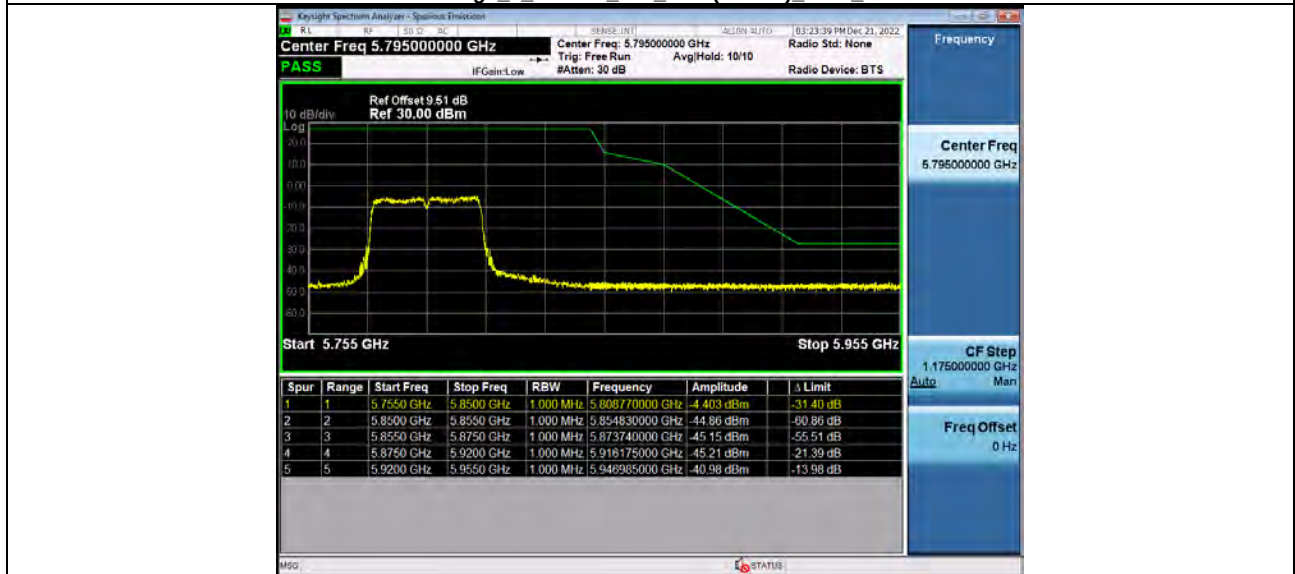
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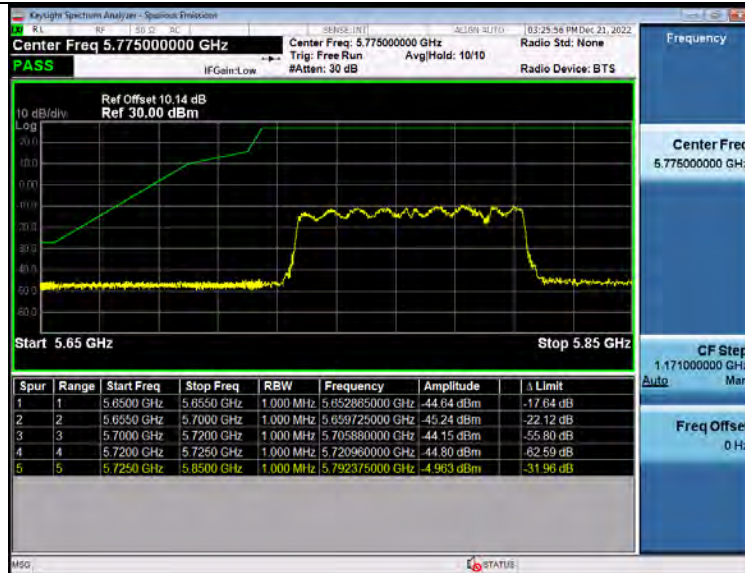
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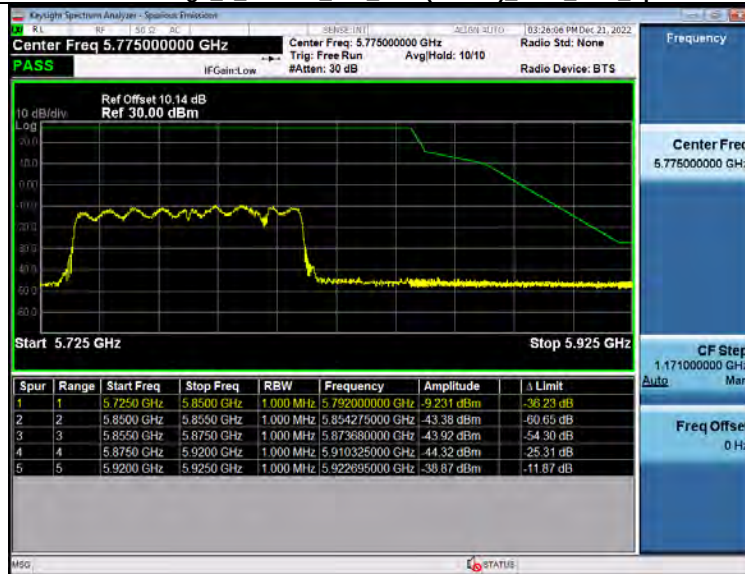
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Bandedge_5_8WiFi_802_11ac(VHT80)_5775_80M_low



Bandedge 5 8GWiFi 802_11ac(VHT80) 5775 80M up



12. TEST SETUP PHOTO

Reference to the test setup file for details.

13. EUT CONSTRUCTIONAL DETAILS

Reference to the external photos file and internal photos file for details.

******* END OF REPORT *******