

FCC TEST REPORT

FCC ID: 2ARL5-RODPJS350

Report Number..... : ZKT-230104L0116-04

Date of Test..... : Dec. 26, 2022 -- Jan. 09, 2023

Date of issue : Jan. 09, 2023

Total number of pages : 126

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 : SHENZHEN AOME CO.,LTD

Address : Room301 workshop, Xinfeng Building, Yangguang Community, Xili subdustreet, Nanshan District, Shenzhen, China

Manufacturer's name : SHENZHEN AOME CO.,LTD

Address : Room301 workshop, Xinfeng Building, Yangguang Community, Xili subdustreet, Nanshan District, Shenzhen, 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.

This report shall not be reproduced except in full, without the written approval of ZKT, this document may be altered or revised by ZKT, personal only, and shall be noted in the revision of the document.

Product name : Projector

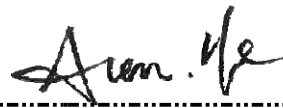
Trademark : /

Model/Type reference : RODPJS350, S200

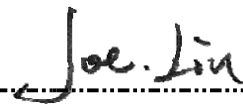
Ratings..... : DC 15V 1.5A from adapter
DC11.1V from battery(2500mAh, 27.75Wh)

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



Table of Contents

	Page
1. VERSION	5
2. SUMMARY OF TEST RESULTS	6
2.1 TEST FACILITY	6
3. GENERAL INFORMATION	7
3.1 GENERAL DESCRIPTION OF EUT	7
3.2 DESCRIPTION OF TEST MODES	8
3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	9
3.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)	9
3.5EQUIPMENTS LIST FOR ALL TEST ITEMS	9
4. EMC EMISSION TEST	11
4.1 CONDUCTED EMISSION MEASUREMENT	11
4.1.1 POWER LINE CONDUCTED EMISSION LIMITS	11
4.1.2 TEST PROCEDURE	11
4.1.3 DEVIATION FROM TEST STANDARD	11
4.1.4 TEST SETUP	12
4.1.5 EUT OPERATING CONDITIONS	12
4.1.6 TEST RESULT	13
4.2 RADIATED EMISSION MEASUREMENT	15
4.2.1 RADIATED EMISSION LIMITS	15
4.2.2 TEST PROCEDURE	16
4.2.3 DEVIATION FROM TEST STANDARD	16
4.2.4 TEST SETUP	17
4.2.5 EUT OPERATING CONDITIONS	18
4.2.6 TEST RESULTS	19
5.POWER SPECTRAL DENSITY TEST	46
5.1 APPLIED PROCEDURES / LIMIT	46
5.2 TEST PROCEDURE	46
5.3 DEVIATION FROM STANDARD	46
5.4 TEST SETUP	46
5.5 EUT OPERATION CONDITIONS	47
5.6 TEST RESULT	47
6. -26 DB & 6DBM EMISSION BANDWIDTH	48
6.1 APPLIED PROCEDURES / LIMIT	48
6.2 TEST PROCEDURE	48
6.3 DEVIATION FROM STANDARD	48
6.4 TEST SETUP	48
6.5 EUT OPERATION CONDITIONS	48
6.6 TEST RESULT	48

7. OUTPUT POWER TEST	49
7.1 APPLIED PROCEDURES/LIMIT	49
7.2 DEVIATION FROM STANDARD	49
7.3 TEST SETUP	49
7.4 EUT OPERATION CONDITIONS	49
8. OUT OF BAND EDGE EMISSION	50
8.1 TEST PROCEDURE	50
8.2 DEVIATION FROM STANDARD	50
8.3 TEST SETUP	50
8.4 EUT OPERATION CONDITIONS	50
8.5 TEST RESULTS	50
9. FREQUENCY STABILITY MEASUREMENT	51
9.4 TEST RESULT	51
10.ANTENNA REQUIREMENT	56
11.APPENDIX1---5.2GWIFI	57
12.APPENDIX1---5.8GWIFI	86
13. TEST SETUP PHOTO	126
14. EUT CONSTRUCTIONAL DETAILS	126

1. VERSION

Report No.	Version	Description	Approved
ZKT-230104L0116-04	Rev.01	Initial issue of report	Jan. 09, 2023

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, 26dB Emission Bandwidth& 99% Occupied 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 expended 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:	Projector		
Model No.:	RODPJS350		
Model List:	S200		
Model difference:	The BOM and pcb used in these models have the same design and layout, and the appearance color of the products may be a little different (such as black, gray and white, etc.), or the models may be different because of different customer requirements, but these differences will not affect the EMC and wireless performance of the products themselves, so the test model is RODPJS350		
Hardware Version:	94V-0		
Software Version:	N/A		
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-1	Frequency Range	802.11a/n/ac(20MHz) : 5180-5240MHz 802.11n/ac(40MHz) : 5190-5230MHz 802.11 ac (80MHz) : 5210MHz
		Channels	802.11 a/n/ac (20MHz): 4 802.11 ac /n (40MHz): 2 802.11 ac (80MHz): 1
	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:	FPC antenna	
Antenna gain:	ANT1:3.31dBi ; ANT2:4.67dBi ; MIMO: 7.03Bi		
Power supply:	DC 15V 1.5A from adapter DC11.1V from battery(2500mAh, 27.75Wh)		

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

U-NII-1		U-NII-3	
CH.	Frequency (MHz)	CH.	Frequency (MHz)
36	5180	149	5745
40	5200	...	...
44	5220	157	5785
48	5240	...	...
		165	5825

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

U-NII-1		U-NII-3	
CH.	Frequency (MHz)	CH.	Frequency (MHz)
38	5190	151	5755
46	5230	159	5795

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

U-NII-1		U-NII-3	
CH.	Frequency (MHz)	CH.	Frequency (MHz)
42	5210	155	5775

802.11ac (80MHz BW) Frequency / Channel Operations

3.2 DESCRIPTION OF TEST MODES

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

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

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.	

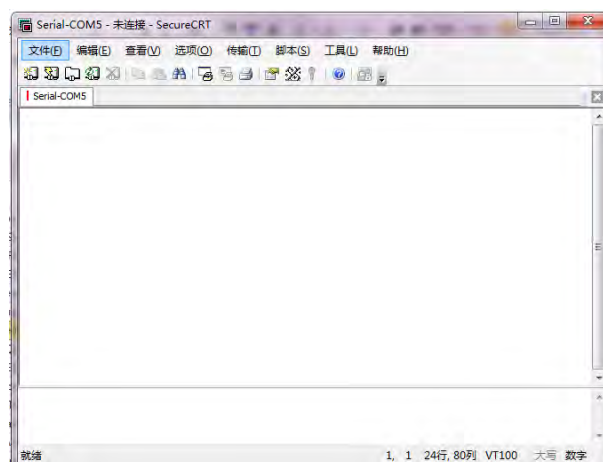
We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

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)	802.11ac
Data rate	54Mbps	MCS7	MCS9

Test Software

Test Tool

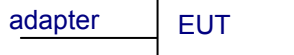


Power level setup

<30dBm

3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

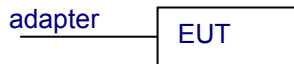
Conducted Emission



Radiated Emission



Conducted Spurious



3.4 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 MaiDian Innovation Technology Co.,Ltd	MD30A-1500150-Z	/	SDOC
2	remote control	/	/	/	SDOC

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.

3.5EQUIPMENTS 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-RPCB	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.

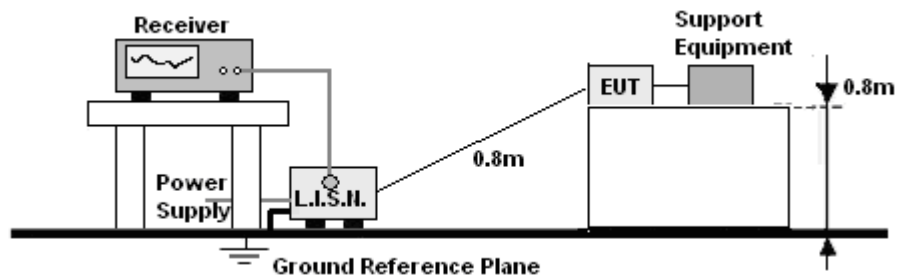
4.1.2 TEST PROCEDURE

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



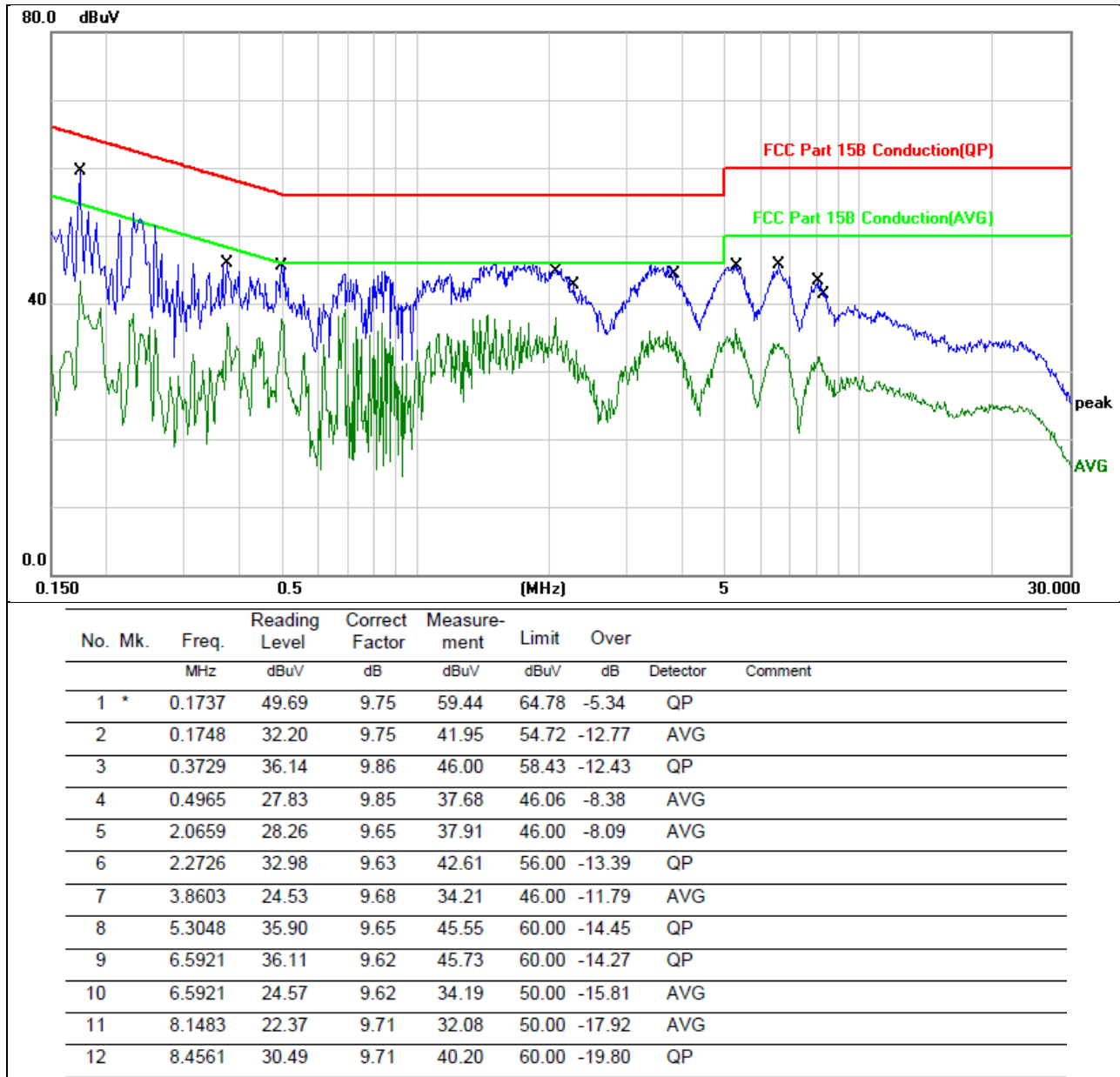
4.1.5 EUT OPERATING CONDITIONS

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.

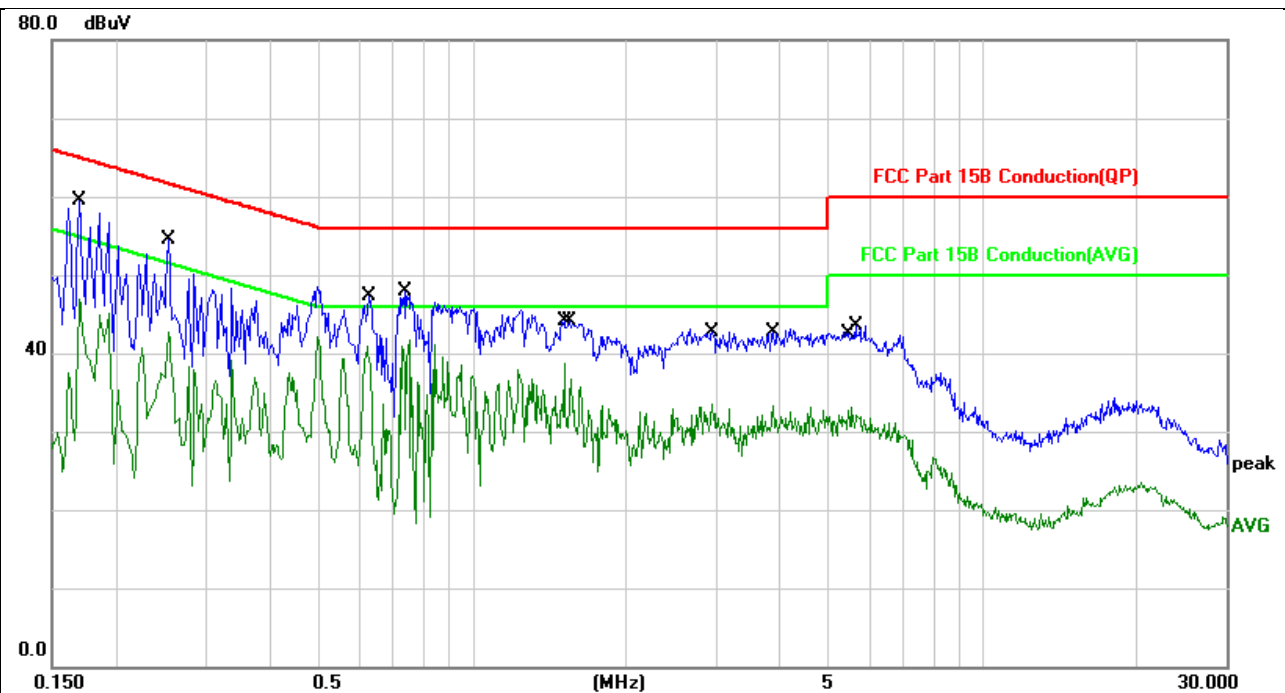
We pretest AC 120V , the worst voltage was AC 120V and the data recording in the report.

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. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1693	49.68	9.75	59.43	64.99	-5.56	QP	
2		0.1693	37.16	9.75	46.91	54.99	-8.08	AVG	
3		0.2535	44.72	9.77	54.49	61.64	-7.15	QP	
4		0.2535	32.96	9.77	42.73	51.64	-8.91	AVG	
5	*	0.6205	31.07	9.84	40.91	46.00	-5.09	AVG	
6		0.7351	38.04	9.82	47.86	56.00	-8.14	QP	
7		1.5113	28.96	9.69	38.65	46.00	-7.35	AVG	
8		1.5436	34.44	9.69	44.13	56.00	-11.87	QP	
9		2.9462	32.98	9.70	42.68	56.00	-13.32	QP	
10		3.8807	23.60	9.68	33.28	46.00	-12.72	AVG	
11		5.5053	23.46	9.66	33.12	50.00	-16.88	AVG	
12		5.6234	33.94	9.65	43.59	60.00	-16.41	QP	

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 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	$2400/F(\text{KHz})$	300
0.490~1.705	$24000/F(\text{KHz})$	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:

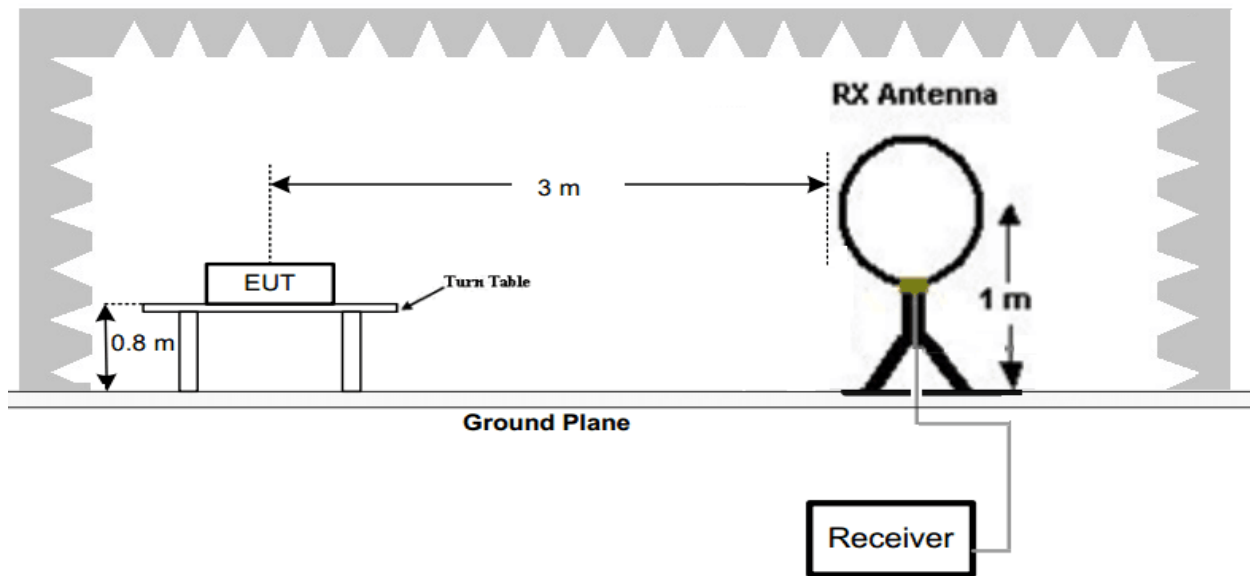
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

4.2.3 DEVIATION FROM TEST STANDARD

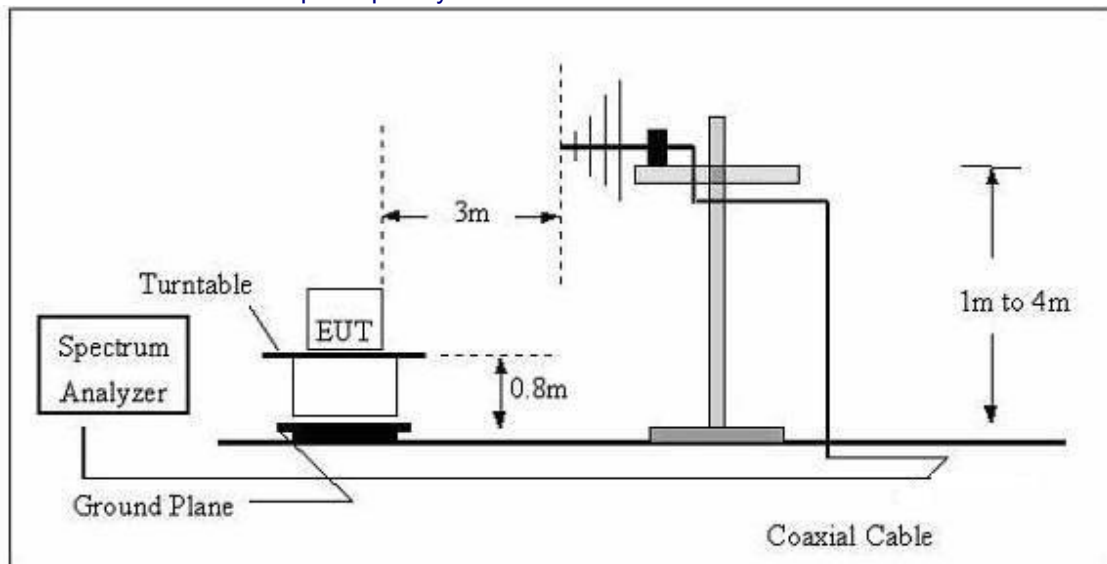
No deviation

4.2.4 TEST SETUP

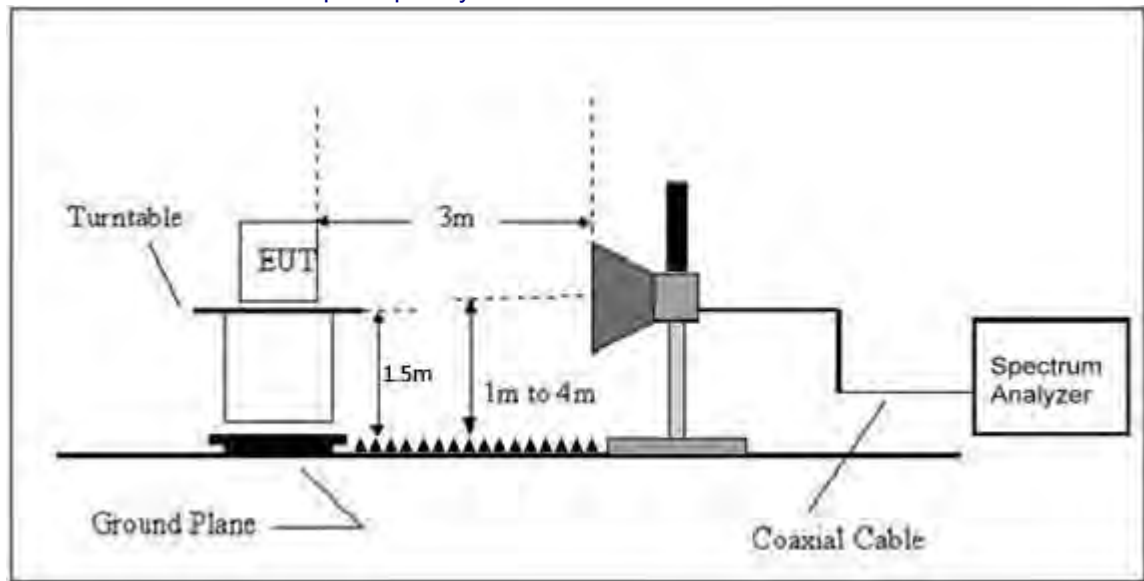
(A) Radiated Emission Test-Up Frequency Below 30MHz



(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.

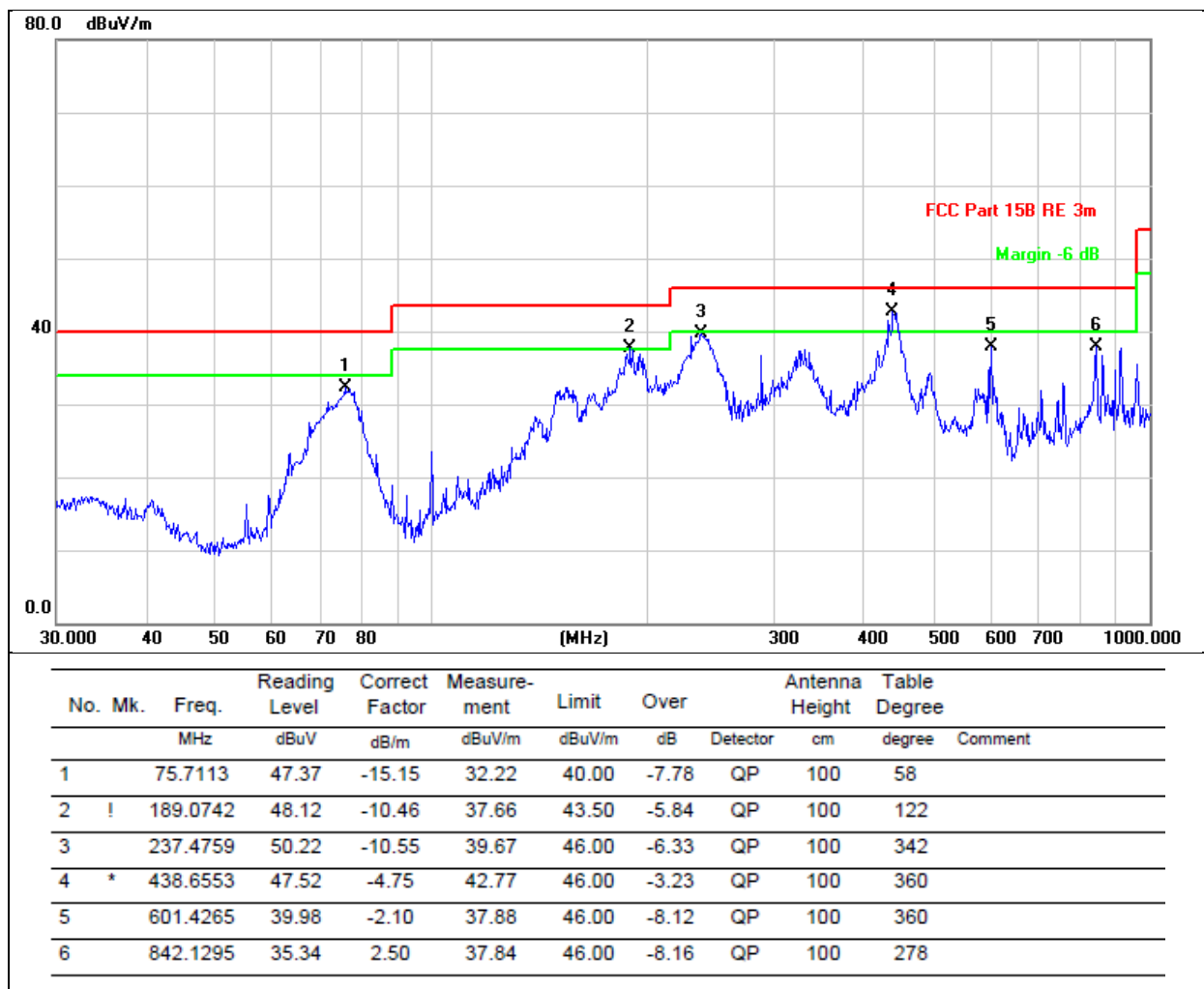
4.2.6 TEST RESULTS

Between 9KHz – 30MHz

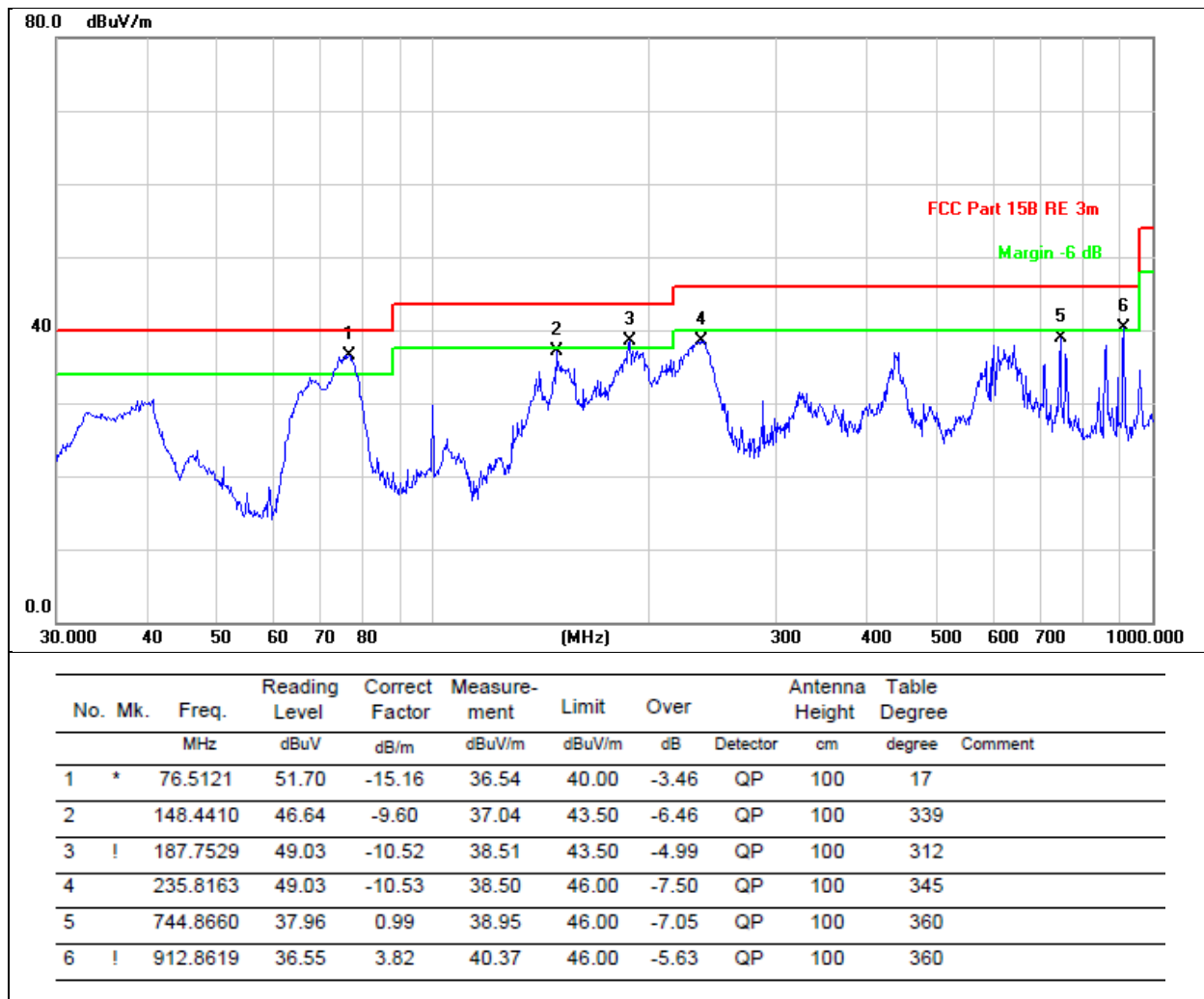
The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o) & RSS-Gen 6.13, the test result no need to reported.

Between 30MHz – 1GHz

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



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 high channel)

ANT1-802.11a

Polar (H/V)	Frequency	Meter Reading	Pre-amplif ier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:5180MHz									
V	10360	49.55	30.55	5.77	24.66	49.43	74.00	-24.57	PK
V	10360	36.25	30.55	5.77	24.66	36.13	54.00	-17.87	AV
V	15540	48.39	30.33	6.32	24.55	48.93	74.00	-25.07	PK
V	15540	39.86	30.33	6.32	24.55	40.40	54.00	-13.60	AV
V	20720	50.29	30.85	7.45	24.69	51.58	74.00	-22.42	PK
V	20720	40.62	30.85	7.45	24.69	41.91	54.00	-12.09	AV
H	10360	47.44	30.55	5.77	24.66	47.32	74.00	-26.68	PK
H	10360	39.83	30.55	5.77	24.66	39.71	54.00	-14.29	AV
H	15540	47.02	30.33	6.32	24.55	47.56	74.00	-26.44	PK
H	15540	41.61	30.33	6.32	24.55	42.15	54.00	-11.85	AV
H	20720	50.87	30.85	7.45	24.69	52.16	74.00	-21.84	PK
H	20720	38.95	30.85	7.45	24.69	40.24	54.00	-13.76	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplif ier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:5200MHz									
V	10400	47.96	30.55	5.77	24.66	47.84	74.00	-26.16	PK
V	10400	35.61	30.55	5.77	24.66	35.49	54.00	-18.51	AV
V	15600	49.30	30.33	6.32	24.55	49.84	74.00	-24.16	PK
V	15600	39.16	30.33	6.32	24.55	39.70	54.00	-14.30	AV
V	20800	49.50	30.85	7.45	24.69	50.79	74.00	-23.21	PK
V	20800	39.90	30.85	7.45	24.69	41.19	54.00	-12.81	AV
H	10400	45.98	30.55	5.77	24.66	45.86	74.00	-28.14	PK
H	10400	40.63	30.55	5.77	24.66	40.51	54.00	-13.49	AV
H	15600	48.28	30.33	6.32	24.55	48.82	74.00	-25.18	PK
H	15600	41.36	30.33	6.32	24.55	41.90	54.00	-12.10	AV
H	20800	50.53	30.85	7.45	24.69	51.82	74.00	-22.18	PK
H	20800	40.73	30.85	7.45	24.69	42.02	54.00	-11.98	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:5240MHz									
V	10480	49.76	30.55	5.77	24.66	49.64	74.00	-24.36	PK
V	10480	35.71	30.55	5.77	24.66	35.59	54.00	-18.41	AV
V	15720	49.38	30.33	6.32	24.55	49.92	74.00	-24.08	PK
V	15720	41.72	30.33	6.32	24.55	42.26	54.00	-11.74	AV
V	20960	50.15	30.85	7.45	24.69	51.44	74.00	-22.56	PK
V	20960	39.97	30.85	7.45	24.69	41.26	54.00	-12.74	AV
H	10480	48.14	30.55	5.77	24.66	48.02	74.00	-25.98	PK
H	10480	38.64	30.55	5.77	24.66	38.52	54.00	-15.48	AV
H	15720	48.24	30.33	6.32	24.55	48.78	74.00	-25.22	PK
H	15720	40.96	30.33	6.32	24.55	41.50	54.00	-12.50	AV
H	20960	49.53	30.85	7.45	24.69	50.82	74.00	-23.18	PK
H	20960	41.35	30.85	7.45	24.69	42.64	54.00	-11.36	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:5745MHz									
V	11490	49.66	30.55	5.77	24.66	49.54	74.00	-24.46	PK
V	11490	35.39	30.55	5.77	24.66	35.27	54.00	-18.73	AV
V	17235	48.25	30.33	6.32	24.55	48.79	74.00	-25.21	PK
V	17235	39.43	30.33	6.32	24.55	39.97	54.00	-14.03	AV
V	22980	51.71	30.85	7.45	24.69	53.00	74.00	-21.00	PK
V	22980	39.14	30.85	7.45	24.69	40.43	54.00	-13.57	AV
H	11490	46.97	30.55	5.77	24.66	46.85	74.00	-27.15	PK
H	11490	38.53	30.55	5.77	24.66	38.41	54.00	-15.59	AV
H	17235	48.66	30.33	6.32	24.55	49.20	74.00	-24.80	PK
H	17235	39.96	30.33	6.32	24.55	40.50	54.00	-13.50	AV
H	22980	50.72	30.85	7.45	24.69	52.01	74.00	-21.99	PK
H	22980	40.04	30.85	7.45	24.69	41.33	54.00	-12.67	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	48.80	30.55	5.77	24.66	48.68	74.00	-25.32	PK
V	11570	35.96	30.55	5.77	24.66	35.84	54.00	-18.16	AV
V	17355	47.97	30.33	6.32	24.55	48.51	74.00	-25.49	PK
V	17355	41.59	30.33	6.32	24.55	42.13	54.00	-11.87	AV
V	23140	50.16	30.85	7.45	24.69	51.45	74.00	-22.55	PK
V	23140	39.82	30.85	7.45	24.69	41.11	54.00	-12.89	AV
H	11570	46.58	30.55	5.77	24.66	46.46	74.00	-27.54	PK
H	11570	37.83	30.55	5.77	24.66	37.71	54.00	-16.29	AV
H	17355	48.39	30.33	6.32	24.55	48.93	74.00	-25.07	PK
H	17355	40.40	30.33	6.32	24.55	40.94	54.00	-13.06	AV
H	23140	51.13	30.85	7.45	24.69	52.42	74.00	-21.58	PK
H	23140	39.79	30.85	7.45	24.69	41.08	54.00	-12.92	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	48.84	30.55	5.77	24.66	48.72	74.00	-25.28	PK
V	11650	35.15	30.55	5.77	24.66	35.03	54.00	-18.97	AV
V	17475	49.10	30.33	6.32	24.55	49.64	74.00	-24.36	PK
V	17475	41.47	30.33	6.32	24.55	42.01	54.00	-11.99	AV
V	23300	50.10	30.85	7.45	24.69	51.39	74.00	-22.61	PK
V	23300	40.64	30.85	7.45	24.69	41.93	54.00	-12.07	AV
H	11650	47.22	30.55	5.77	24.66	47.10	74.00	-26.90	PK
H	11650	39.82	30.55	5.77	24.66	39.70	54.00	-14.30	AV
H	17475	48.40	30.33	6.32	24.55	48.94	74.00	-25.06	PK
H	17475	39.11	30.33	6.32	24.55	39.65	54.00	-14.35	AV
H	23300	50.53	30.85	7.45	24.69	51.82	74.00	-22.18	PK
H	23300	38.90	30.85	7.45	24.69	40.19	54.00	-13.81	AV

ANT1-802.11n20

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:5180MHz									
V	10360	47.62	30.55	5.77	24.66	47.50	74.00	-26.50	PK
V	10360	34.60	30.55	5.77	24.66	34.48	54.00	-19.52	AV
V	15540	48.89	30.33	6.32	24.55	49.43	74.00	-24.57	PK
V	15540	41.53	30.33	6.32	24.55	42.07	54.00	-11.93	AV
V	20720	50.44	30.85	7.45	24.69	51.73	74.00	-22.27	PK
V	20720	39.80	30.85	7.45	24.69	41.09	54.00	-12.91	AV
H	10360	48.15	30.55	5.77	24.66	48.03	74.00	-25.97	PK
H	10360	38.81	30.55	5.77	24.66	38.69	54.00	-15.31	AV
H	15540	48.24	30.33	6.32	24.55	48.78	74.00	-25.22	PK
H	15540	40.40	30.33	6.32	24.55	40.94	54.00	-13.06	AV
H	20720	49.27	30.85	7.45	24.69	50.56	74.00	-23.44	PK
H	20720	41.34	30.85	7.45	24.69	42.63	54.00	-11.37	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:5200MHz									
V	10400	46.94	30.55	5.77	24.66	46.82	74.00	-27.18	PK
V	10400	34.33	30.55	5.77	24.66	34.21	54.00	-19.79	AV
V	15600	49.06	30.33	6.32	24.55	49.60	74.00	-24.40	PK
V	15600	40.85	30.33	6.32	24.55	41.39	54.00	-12.61	AV
V	20800	51.37	30.85	7.45	24.69	52.66	74.00	-21.34	PK
V	20800	40.53	30.85	7.45	24.69	41.82	54.00	-12.18	AV
H	10400	47.82	30.55	5.77	24.66	47.70	74.00	-26.30	PK
H	10400	38.66	30.55	5.77	24.66	38.54	54.00	-15.46	AV
H	15600	47.70	30.33	6.32	24.55	48.24	74.00	-25.76	PK
H	15600	39.44	30.33	6.32	24.55	39.98	54.00	-14.02	AV
H	20800	50.05	30.85	7.45	24.69	51.34	74.00	-22.66	PK
H	20800	39.08	30.85	7.45	24.69	40.37	54.00	-13.63	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplif ier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5240MHz									
V	10480	47.44	30.55	5.77	24.66	47.32	74.00	-26.68	PK
V	10480	35.23	30.55	5.77	24.66	35.11	54.00	-18.89	AV
V	15720	48.47	30.33	6.32	24.55	49.01	74.00	-24.99	PK
V	15720	40.00	30.33	6.32	24.55	40.54	54.00	-13.46	AV
V	20960	49.05	30.85	7.45	24.69	50.34	74.00	-23.66	PK
V	20960	39.23	30.85	7.45	24.69	40.52	54.00	-13.48	AV
H	10480	48.49	30.55	5.77	24.66	48.37	74.00	-25.63	PK
H	10480	40.16	30.55	5.77	24.66	40.04	54.00	-13.96	AV
H	15720	46.96	30.33	6.32	24.55	47.50	74.00	-26.50	PK
H	15720	41.63	30.33	6.32	24.55	42.17	54.00	-11.83	AV
H	20960	50.64	30.85	7.45	24.69	51.93	74.00	-22.07	PK
H	20960	41.09	30.85	7.45	24.69	42.38	54.00	-11.62	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:5745MHz									
V	11490	47.69	30.55	5.77	24.66	47.57	74.00	-26.43	PK
V	11490	35.58	30.55	5.77	24.66	35.46	54.00	-18.54	AV
V	17235	48.18	30.33	6.32	24.55	48.72	74.00	-25.28	PK
V	17235	39.92	30.33	6.32	24.55	40.46	54.00	-13.54	AV
V	22980	50.88	30.85	7.45	24.69	52.17	74.00	-21.83	PK
V	22980	39.75	30.85	7.45	24.69	41.04	54.00	-12.96	AV
H	11490	47.05	30.55	5.77	24.66	46.93	74.00	-27.07	PK
H	11490	40.23	30.55	5.77	24.66	40.11	54.00	-13.89	AV
H	17235	46.87	30.33	6.32	24.55	47.41	74.00	-26.59	PK
H	17235	41.39	30.33	6.32	24.55	41.93	54.00	-12.07	AV
H	22980	48.88	30.85	7.45	24.69	50.17	74.00	-23.83	PK
H	22980	41.48	30.85	7.45	24.69	42.77	54.00	-11.23	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	47.97	30.55	5.77	24.66	47.85	74.00	-26.15	PK
V	11570	33.89	30.55	5.77	24.66	33.77	54.00	-20.23	AV
V	17355	47.91	30.33	6.32	24.55	48.45	74.00	-25.55	PK
V	17355	41.71	30.33	6.32	24.55	42.25	54.00	-11.75	AV
V	23140	49.74	30.85	7.45	24.69	51.03	74.00	-22.97	PK
V	23140	38.82	30.85	7.45	24.69	40.11	54.00	-13.89	AV
H	11570	46.05	30.55	5.77	24.66	45.93	74.00	-28.07	PK
H	11570	38.08	30.55	5.77	24.66	37.96	54.00	-16.04	AV
H	17355	47.95	30.33	6.32	24.55	48.49	74.00	-25.51	PK
H	17355	40.67	30.33	6.32	24.55	41.21	54.00	-12.79	AV
H	23140	50.08	30.85	7.45	24.69	51.37	74.00	-22.63	PK
H	23140	40.80	30.85	7.45	24.69	42.09	54.00	-11.91	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	49.69	30.55	5.77	24.66	49.57	74.00	-24.43	PK
V	11650	36.30	30.55	5.77	24.66	36.18	54.00	-17.82	AV
V	17475	48.98	30.33	6.32	24.55	49.52	74.00	-24.48	PK
V	17475	39.31	30.33	6.32	24.55	39.85	54.00	-14.15	AV
V	23300	51.71	30.85	7.45	24.69	53.00	74.00	-21.00	PK
V	23300	40.17	30.85	7.45	24.69	41.46	54.00	-12.54	AV
H	11650	46.97	30.55	5.77	24.66	46.85	74.00	-27.15	PK
H	11650	38.65	30.55	5.77	24.66	38.53	54.00	-15.47	AV
H	17475	48.38	30.33	6.32	24.55	48.92	74.00	-25.08	PK
H	17475	38.92	30.33	6.32	24.55	39.46	54.00	-14.54	AV
H	23300	51.39	30.85	7.45	24.69	52.68	74.00	-21.32	PK
H	23300	39.22	30.85	7.45	24.69	40.51	54.00	-13.49	AV

ANT1-802.11n40

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:5190MHz									
V	10360	47.37	30.55	5.77	24.66	47.25	74.00	-26.75	PK
V	10360	36.68	30.55	5.77	24.66	36.56	54.00	-17.44	AV
V	15540	48.66	30.33	6.32	24.55	49.20	74.00	-24.80	PK
V	15540	40.94	30.33	6.32	24.55	41.48	54.00	-12.52	AV
V	20720	51.26	30.85	7.45	24.69	52.55	74.00	-21.45	PK
V	20720	39.15	30.85	7.45	24.69	40.44	54.00	-13.56	AV
H	10360	45.90	30.55	5.77	24.66	45.78	74.00	-28.22	PK
H	10360	39.08	30.55	5.77	24.66	38.96	54.00	-15.04	AV
H	15540	48.75	30.33	6.32	24.55	49.29	74.00	-24.71	PK
H	15540	40.46	30.33	6.32	24.55	41.00	54.00	-13.00	AV
H	20720	49.65	30.85	7.45	24.69	50.94	74.00	-23.06	PK
H	20720	39.55	30.85	7.45	24.69	40.84	54.00	-13.16	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplif ier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:5230MHz									
V	10460	47.96	30.55	5.77	24.66	47.84	74.00	-26.16	PK
V	10460	34.28	30.55	5.77	24.66	34.16	54.00	-19.84	AV
V	15690	49.43	30.33	6.32	24.55	49.97	74.00	-24.03	PK
V	15690	40.23	30.33	6.32	24.55	40.77	54.00	-13.23	AV
V	20920	51.56	30.85	7.45	24.69	52.85	74.00	-21.15	PK
V	20920	38.99	30.85	7.45	24.69	40.28	54.00	-13.72	AV
H	10460	48.44	30.55	5.77	24.66	48.32	74.00	-25.68	PK
H	10460	38.63	30.55	5.77	24.66	38.51	54.00	-15.49	AV
H	15690	48.30	30.33	6.32	24.55	48.84	74.00	-25.16	PK
H	15690	38.89	30.33	6.32	24.55	39.43	54.00	-14.57	AV
H	20920	50.09	30.85	7.45	24.69	51.38	74.00	-22.62	PK
H	20920	39.38	30.85	7.45	24.69	40.67	54.00	-13.33	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:5755MHz									
V	11510	49.14	30.55	5.77	24.66	49.02	74.00	-24.98	PK
V	11510	33.83	30.55	5.77	24.66	33.71	54.00	-20.29	AV
V	17265	47.82	30.33	6.32	24.55	48.36	74.00	-25.64	PK
V	17265	39.23	30.33	6.32	24.55	39.77	54.00	-14.23	AV
V	23020	49.97	30.85	7.45	24.69	51.26	74.00	-22.74	PK
V	23020	39.04	30.85	7.45	24.69	40.33	54.00	-13.67	AV
H	11510	48.09	30.55	5.77	24.66	47.97	74.00	-26.03	PK
H	11510	39.33	30.55	5.77	24.66	39.21	54.00	-14.79	AV
H	17265	47.12	30.33	6.32	24.55	47.66	74.00	-26.34	PK
H	17265	41.76	30.33	6.32	24.55	42.30	54.00	-11.70	AV
H	23020	51.55	30.85	7.45	24.69	52.84	74.00	-21.16	PK
H	23020	40.92	30.85	7.45	24.69	42.21	54.00	-11.79	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	49.62	30.55	5.77	24.66	49.50	74.00	-24.50	PK
V	11590	35.13	30.55	5.77	24.66	35.01	54.00	-18.99	AV
V	17385	48.01	30.33	6.32	24.55	48.55	74.00	-25.45	PK
V	17385	40.43	30.33	6.32	24.55	40.97	54.00	-13.03	AV
V	23180	49.26	30.85	7.45	24.69	50.55	74.00	-23.45	PK
V	23180	39.52	30.85	7.45	24.69	40.81	54.00	-13.19	AV
H	11590	47.09	30.55	5.77	24.66	46.97	74.00	-27.03	PK
H	11590	38.05	30.55	5.77	24.66	37.93	54.00	-16.07	AV
H	17385	47.58	30.33	6.32	24.55	48.12	74.00	-25.88	PK
H	17385	38.82	30.33	6.32	24.55	39.36	54.00	-14.64	AV
H	23180	49.17	30.85	7.45	24.69	50.46	74.00	-23.54	PK
H	23180	39.72	30.85	7.45	24.69	41.01	54.00	-12.99	AV

ANT1--802.11ac20

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:5180MHz									
V	10360	49.47	30.55	5.77	24.66	49.35	74.00	-24.65	PK
V	10360	34.53	30.55	5.77	24.66	34.41	54.00	-19.59	AV
V	15540	48.26	30.33	6.32	24.55	48.80	74.00	-25.20	PK
V	15540	38.77	30.33	6.32	24.55	39.31	54.00	-14.69	AV
V	20720	49.45	30.85	7.45	24.69	50.74	74.00	-23.26	PK
V	20720	40.66	30.85	7.45	24.69	41.95	54.00	-12.05	AV
H	10360	48.75	30.55	5.77	24.66	48.63	74.00	-25.37	PK
H	10360	38.47	30.55	5.77	24.66	38.35	54.00	-15.65	AV
H	15540	48.32	30.33	6.32	24.55	48.86	74.00	-25.14	PK
H	15540	40.84	30.33	6.32	24.55	41.38	54.00	-12.62	AV
H	20720	48.86	30.85	7.45	24.69	50.15	74.00	-23.85	PK
H	20720	41.14	30.85	7.45	24.69	42.43	54.00	-11.57	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:5200MHz									
V	10400	48.06	30.55	5.77	24.66	47.94	74.00	-26.06	PK
V	10400	34.38	30.55	5.77	24.66	34.26	54.00	-19.74	AV
V	15600	48.84	30.33	6.32	24.55	49.38	74.00	-24.62	PK
V	15600	40.04	30.33	6.32	24.55	40.58	54.00	-13.42	AV
V	20800	51.09	30.85	7.45	24.69	52.38	74.00	-21.62	PK
V	20800	39.71	30.85	7.45	24.69	41.00	54.00	-13.00	AV
H	10400	45.76	30.55	5.77	24.66	45.64	74.00	-28.36	PK
H	10400	39.90	30.55	5.77	24.66	39.78	54.00	-14.22	AV
H	15600	47.91	30.33	6.32	24.55	48.45	74.00	-25.55	PK
H	15600	39.87	30.33	6.32	24.55	40.41	54.00	-13.59	AV
H	20800	49.57	30.85	7.45	24.69	50.86	74.00	-23.14	PK
H	20800	41.00	30.85	7.45	24.69	42.29	54.00	-11.71	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplif ier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5240MHz									
V	10480	47.65	30.55	5.77	24.66	47.53	74.00	-26.47	PK
V	10480	34.25	30.55	5.77	24.66	34.13	54.00	-19.87	AV
V	15720	47.86	30.33	6.32	24.55	48.40	74.00	-25.60	PK
V	15720	40.52	30.33	6.32	24.55	41.06	54.00	-12.94	AV
V	20960	49.52	30.85	7.45	24.69	50.81	74.00	-23.19	PK
V	20960	41.51	30.85	7.45	24.69	42.80	54.00	-11.20	AV
H	10480	46.54	30.55	5.77	24.66	46.42	74.00	-27.58	PK
H	10480	40.11	30.55	5.77	24.66	39.99	54.00	-14.01	AV
H	15720	46.89	30.33	6.32	24.55	47.43	74.00	-26.57	PK
H	15720	40.74	30.33	6.32	24.55	41.28	54.00	-12.72	AV
H	20960	51.24	30.85	7.45	24.69	52.53	74.00	-21.47	PK
H	20960	40.50	30.85	7.45	24.69	41.79	54.00	-12.21	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:5745MHz									
V	11490	49.48	30.55	5.77	24.66	49.36	74.00	-24.64	PK
V	11490	35.34	30.55	5.77	24.66	35.22	54.00	-18.78	AV
V	17235	48.84	30.33	6.32	24.55	49.38	74.00	-24.62	PK
V	17235	40.06	30.33	6.32	24.55	40.60	54.00	-13.40	AV
V	22980	49.40	30.85	7.45	24.69	50.69	74.00	-23.31	PK
V	22980	40.43	30.85	7.45	24.69	41.72	54.00	-12.28	AV
H	11490	47.79	30.55	5.77	24.66	47.67	74.00	-26.33	PK
H	11490	37.83	30.55	5.77	24.66	37.71	54.00	-16.29	AV
H	17235	46.83	30.33	6.32	24.55	47.37	74.00	-26.63	PK
H	17235	41.32	30.33	6.32	24.55	41.86	54.00	-12.14	AV
H	22980	49.11	30.85	7.45	24.69	50.40	74.00	-23.60	PK
H	22980	41.05	30.85	7.45	24.69	42.34	54.00	-11.66	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	48.35	30.55	5.77	24.66	48.23	74.00	-25.77	PK
V	11570	34.30	30.55	5.77	24.66	34.18	54.00	-19.82	AV
V	17355	47.96	30.33	6.32	24.55	48.50	74.00	-25.50	PK
V	17355	40.31	30.33	6.32	24.55	40.85	54.00	-13.15	AV
V	23140	49.94	30.85	7.45	24.69	51.23	74.00	-22.77	PK
V	23140	41.70	30.85	7.45	24.69	42.99	54.00	-11.01	AV
H	11570	46.16	30.55	5.77	24.66	46.04	74.00	-27.96	PK
H	11570	40.63	30.55	5.77	24.66	40.51	54.00	-13.49	AV
H	17355	46.88	30.33	6.32	24.55	47.42	74.00	-26.58	PK
H	17355	40.47	30.33	6.32	24.55	41.01	54.00	-12.99	AV
H	23140	51.54	30.85	7.45	24.69	52.83	74.00	-21.17	PK
H	23140	40.38	30.85	7.45	24.69	41.67	54.00	-12.33	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	47.81	30.55	5.77	24.66	47.69	74.00	-26.31	PK
V	11650	35.92	30.55	5.77	24.66	35.80	54.00	-18.20	AV
V	17475	48.87	30.33	6.32	24.55	49.41	74.00	-24.59	PK
V	17475	41.66	30.33	6.32	24.55	42.20	54.00	-11.80	AV
V	23300	50.90	30.85	7.45	24.69	52.19	74.00	-21.81	PK
V	23300	39.54	30.85	7.45	24.69	40.83	54.00	-13.17	AV
H	11650	48.06	30.55	5.77	24.66	47.94	74.00	-26.06	PK
H	11650	40.54	30.55	5.77	24.66	40.42	54.00	-13.58	AV
H	17475	47.28	30.33	6.32	24.55	47.82	74.00	-26.18	PK
H	17475	41.10	30.33	6.32	24.55	41.64	54.00	-12.36	AV
H	23300	50.24	30.85	7.45	24.69	51.53	74.00	-22.47	PK
H	23300	39.15	30.85	7.45	24.69	40.44	54.00	-13.56	AV

ANT1-802.11ac40

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:5190MHz									
V	10360	48.80	30.55	5.77	24.66	48.68	74.00	-25.32	PK
V	10360	35.76	30.55	5.77	24.66	35.64	54.00	-18.36	AV
V	15540	48.64	30.33	6.32	24.55	49.18	74.00	-24.82	PK
V	15540	39.68	30.33	6.32	24.55	40.22	54.00	-13.78	AV
V	20720	50.71	30.85	7.45	24.69	52.00	74.00	-22.00	PK
V	20720	41.28	30.85	7.45	24.69	42.57	54.00	-11.43	AV
H	10360	47.15	30.55	5.77	24.66	47.03	74.00	-26.97	PK
H	10360	38.80	30.55	5.77	24.66	38.68	54.00	-15.32	AV
H	15540	48.43	30.33	6.32	24.55	48.97	74.00	-25.03	PK
H	15540	41.54	30.33	6.32	24.55	42.08	54.00	-11.92	AV
H	20720	48.87	30.85	7.45	24.69	50.16	74.00	-23.84	PK
H	20720	41.50	30.85	7.45	24.69	42.79	54.00	-11.21	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplif ier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:5230MHz									
V	10460	48.93	30.55	5.77	24.66	48.81	74.00	-25.19	PK
V	10460	34.51	30.55	5.77	24.66	34.39	54.00	-19.61	AV
V	15690	49.38	30.33	6.32	24.55	49.92	74.00	-24.08	PK
V	15690	40.50	30.33	6.32	24.55	41.04	54.00	-12.96	AV
V	20920	50.41	30.85	7.45	24.69	51.70	74.00	-22.30	PK
V	20920	39.46	30.85	7.45	24.69	40.75	54.00	-13.25	AV
H	10460	47.42	30.55	5.77	24.66	47.30	74.00	-26.70	PK
H	10460	39.88	30.55	5.77	24.66	39.76	54.00	-14.24	AV
H	15690	48.42	30.33	6.32	24.55	48.96	74.00	-25.04	PK
H	15690	39.69	30.33	6.32	24.55	40.23	54.00	-13.77	AV
H	20920	48.78	30.85	7.45	24.69	50.07	74.00	-23.93	PK
H	20920	41.22	30.85	7.45	24.69	42.51	54.00	-11.49	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:5755MHz									
V	11510	48.44	30.55	5.77	24.66	48.32	74.00	-25.68	PK

V	11510	34.80	30.55	5.77	24.66	34.68	54.00	-19.32	AV
V	17265	48.10	30.33	6.32	24.55	48.64	74.00	-25.36	PK
V	17265	39.21	30.33	6.32	24.55	39.75	54.00	-14.25	AV
V	23020	49.54	30.85	7.45	24.69	50.83	74.00	-23.17	PK
V	23020	40.99	30.85	7.45	24.69	42.28	54.00	-11.72	AV
H	11510	46.70	30.55	5.77	24.66	46.58	74.00	-27.42	PK
H	11510	38.69	30.55	5.77	24.66	38.57	54.00	-15.43	AV
H	17265	48.35	30.33	6.32	24.55	48.89	74.00	-25.11	PK
H	17265	40.80	30.33	6.32	24.55	41.34	54.00	-12.66	AV
H	23020	50.61	30.85	7.45	24.69	51.90	74.00	-22.10	PK
H	23020	38.84	30.85	7.45	24.69	40.13	54.00	-13.87	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:5795MHz									
V	11510	49.23	30.55	5.77	24.66	49.11	74.00	-24.89	PK
V	11510	36.43	30.55	5.77	24.66	36.31	54.00	-17.69	AV
V	17265	48.96	30.33	6.32	24.55	49.50	74.00	-24.50	PK
V	17265	41.56	30.33	6.32	24.55	42.10	54.00	-11.90	AV
V	23020	49.13	30.85	7.45	24.69	50.42	74.00	-23.58	PK
V	23020	41.46	30.85	7.45	24.69	42.75	54.00	-11.25	AV
H	11510	46.09	30.55	5.77	24.66	45.97	74.00	-28.03	PK
H	11510	38.13	30.55	5.77	24.66	38.01	54.00	-15.99	AV
H	17265	47.22	30.33	6.32	24.55	47.76	74.00	-26.24	PK
H	17265	41.41	30.33	6.32	24.55	41.95	54.00	-12.05	AV
H	23020	49.22	30.85	7.45	24.69	50.51	74.00	-23.49	PK
H	23020	39.64	30.85	7.45	24.69	40.93	54.00	-13.07	AV

ANT1-802.11ac80

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)	
5210MHz									
V	10420	49.48	30.55	5.77	24.66	49.36	74.00	-24.64	PK
V	10420	35.29	30.55	5.77	24.66	35.17	54.00	-18.83	AV
V	15630	48.07	30.33	6.32	24.55	48.61	74.00	-25.39	PK
V	15630	39.44	30.33	6.32	24.55	39.98	54.00	-14.02	AV
V	20840	48.83	30.85	7.45	24.69	50.12	74.00	-23.88	PK
V	20840	41.24	30.85	7.45	24.69	42.53	54.00	-11.47	AV
H	10420	46.13	30.55	5.77	24.66	46.01	74.00	-27.99	PK
H	10420	40.11	30.55	5.77	24.66	39.99	54.00	-14.01	AV
H	15630	46.97	30.33	6.32	24.55	47.51	74.00	-26.49	PK
H	15630	39.45	30.33	6.32	24.55	39.99	54.00	-14.01	AV
H	20840	50.61	30.85	7.45	24.69	51.90	74.00	-22.10	PK
H	20840	40.50	30.85	7.45	24.69	41.79	54.00	-12.21	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:5775MHz									
V	11550	46.85	30.55	5.77	24.66	46.73	74.00	-27.27	PK

V	11550	34.80	30.55	5.77	24.66	34.68	54.00	-19.32	AV
V	17325	49.41	30.33	6.32	24.55	49.95	74.00	-24.05	PK
V	17325	39.98	30.33	6.32	24.55	40.52	54.00	-13.48	AV
V	23100	50.04	30.85	7.45	24.69	51.33	74.00	-22.67	PK
V	23100	39.66	30.85	7.45	24.69	40.95	54.00	-13.05	AV
H	11550	47.94	30.55	5.77	24.66	47.82	74.00	-26.18	PK
H	11550	38.64	30.55	5.77	24.66	38.52	54.00	-15.48	AV
H	17325	47.01	30.33	6.32	24.55	47.55	74.00	-26.45	PK
H	17325	38.93	30.33	6.32	24.55	39.47	54.00	-14.53	AV
H	23100	50.14	30.85	7.45	24.69	51.43	74.00	-22.57	PK
H	23100	39.16	30.85	7.45	24.69	40.45	54.00	-13.55	AV

ANT2-802.11a

Polar (H/V)	Frequency	Meter Reading	Pre-amplif ier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:5180MHz									
V	10360	48.32	30.55	5.77	24.66	48.20	74.00	-25.80	PK
V	10360	36.35	30.55	5.77	24.66	36.23	54.00	-17.77	AV
V	15540	49.55	30.33	6.32	24.55	50.09	74.00	-23.91	PK
V	15540	39.23	30.33	6.32	24.55	39.77	54.00	-14.23	AV
V	20720	49.86	30.85	7.45	24.69	51.15	74.00	-22.85	PK
V	20720	40.14	30.85	7.45	24.69	41.43	54.00	-12.57	AV
H	10360	47.98	30.55	5.77	24.66	47.86	74.00	-26.14	PK
H	10360	39.54	30.55	5.77	24.66	39.42	54.00	-14.58	AV
H	15540	48.48	30.33	6.32	24.55	49.02	74.00	-24.98	PK
H	15540	39.56	30.33	6.32	24.55	40.10	54.00	-13.90	AV
H	20720	50.34	30.85	7.45	24.69	51.63	74.00	-22.37	PK
H	20720	39.60	30.85	7.45	24.69	40.89	54.00	-13.11	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplif ier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:5200MHz									
V	10400	49.08	30.55	5.77	24.66	48.96	74.00	-25.04	PK
V	10400	34.64	30.55	5.77	24.66	34.52	54.00	-19.48	AV
V	15600	48.89	30.33	6.32	24.55	49.43	74.00	-24.57	PK
V	15600	41.73	30.33	6.32	24.55	42.27	54.00	-11.73	AV
V	20800	49.92	30.85	7.45	24.69	51.21	74.00	-22.79	PK
V	20800	40.21	30.85	7.45	24.69	41.50	54.00	-12.50	AV
H	10400	48.46	30.55	5.77	24.66	48.34	74.00	-25.66	PK
H	10400	38.63	30.55	5.77	24.66	38.51	54.00	-15.49	AV
H	15600	47.91	30.33	6.32	24.55	48.45	74.00	-25.55	PK
H	15600	39.62	30.33	6.32	24.55	40.16	54.00	-13.84	AV
H	20800	51.64	30.85	7.45	24.69	52.93	74.00	-21.07	PK
H	20800	41.58	30.85	7.45	24.69	42.87	54.00	-11.13	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:5240MHz									
V	10480	49.09	30.55	5.77	24.66	48.97	74.00	-25.03	PK
V	10480	34.33	30.55	5.77	24.66	34.21	54.00	-19.79	AV
V	15720	48.17	30.33	6.32	24.55	48.71	74.00	-25.29	PK

V	15720	41.59	30.33	6.32	24.55	42.13	54.00	-11.87	AV
V	20960	50.60	30.85	7.45	24.69	51.89	74.00	-22.11	PK
V	20960	40.61	30.85	7.45	24.69	41.90	54.00	-12.10	AV
H	10480	48.46	30.55	5.77	24.66	48.34	74.00	-25.66	PK
H	10480	38.23	30.55	5.77	24.66	38.11	54.00	-15.89	AV
H	15720	47.81	30.33	6.32	24.55	48.35	74.00	-25.65	PK
H	15720	39.51	30.33	6.32	24.55	40.05	54.00	-13.95	AV
H	20960	50.11	30.85	7.45	24.69	51.40	74.00	-22.60	PK
H	20960	39.12	30.85	7.45	24.69	40.41	54.00	-13.59	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:5745MHz									
V	11490	46.78	30.55	5.77	24.66	46.66	74.00	-27.34	PK
V	11490	36.28	30.55	5.77	24.66	36.16	54.00	-17.84	AV
V	17235	48.46	30.33	6.32	24.55	49.00	74.00	-25.00	PK
V	17235	41.43	30.33	6.32	24.55	41.97	54.00	-12.03	AV
V	22980	50.89	30.85	7.45	24.69	52.18	74.00	-21.82	PK
V	22980	39.81	30.85	7.45	24.69	41.10	54.00	-12.90	AV
H	11490	46.63	30.55	5.77	24.66	46.51	74.00	-27.49	PK
H	11490	38.34	30.55	5.77	24.66	38.22	54.00	-15.78	AV
H	17235	48.70	30.33	6.32	24.55	49.24	74.00	-24.76	PK
H	17235	41.09	30.33	6.32	24.55	41.63	54.00	-12.37	AV
H	22980	48.81	30.85	7.45	24.69	50.10	74.00	-23.90	PK
H	22980	38.94	30.85	7.45	24.69	40.23	54.00	-13.77	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	46.97	30.55	5.77	24.66	46.85	74.00	-27.15	PK
V	11570	35.72	30.55	5.77	24.66	35.60	54.00	-18.40	AV
V	17355	48.27	30.33	6.32	24.55	48.81	74.00	-25.19	PK
V	17355	41.29	30.33	6.32	24.55	41.83	54.00	-12.17	AV
V	23140	51.28	30.85	7.45	24.69	52.57	74.00	-21.43	PK
V	23140	40.01	30.85	7.45	24.69	41.30	54.00	-12.70	AV
H	11570	47.90	30.55	5.77	24.66	47.78	74.00	-26.22	PK
H	11570	39.77	30.55	5.77	24.66	39.65	54.00	-14.35	AV
H	17355	47.50	30.33	6.32	24.55	48.04	74.00	-25.96	PK
H	17355	41.46	30.33	6.32	24.55	42.00	54.00	-12.00	AV
H	23140	51.33	30.85	7.45	24.69	52.62	74.00	-21.38	PK
H	23140	40.49	30.85	7.45	24.69	41.78	54.00	-12.22	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	48.26	30.55	5.77	24.66	48.14	74.00	-25.86	PK
V	11650	35.79	30.55	5.77	24.66	35.67	54.00	-18.33	AV
V	17475	48.95	30.33	6.32	24.55	49.49	74.00	-24.51	PK
V	17475	39.25	30.33	6.32	24.55	39.79	54.00	-14.21	AV
V	23300	48.87	30.85	7.45	24.69	50.16	74.00	-23.84	PK
V	23300	40.58	30.85	7.45	24.69	41.87	54.00	-12.13	AV

H	11650	48.24	30.55	5.77	24.66	48.12	74.00	-25.88	PK
H	11650	39.54	30.55	5.77	24.66	39.42	54.00	-14.58	AV
H	17475	47.40	30.33	6.32	24.55	47.94	74.00	-26.06	PK
H	17475	41.41	30.33	6.32	24.55	41.95	54.00	-12.05	AV
H	23300	50.51	30.85	7.45	24.69	51.80	74.00	-22.20	PK
H	23300	39.43	30.85	7.45	24.69	40.72	54.00	-13.28	AV

ANT2-802.11n20

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:5180MHz									
V	10360	47.50	30.55	5.77	24.66	47.38	74.00	-26.62	PK
V	10360	34.71	30.55	5.77	24.66	34.59	54.00	-19.41	AV
V	15540	48.93	30.33	6.32	24.55	49.47	74.00	-24.53	PK
V	15540	39.87	30.33	6.32	24.55	40.41	54.00	-13.59	AV
V	20720	50.57	30.85	7.45	24.69	51.86	74.00	-22.14	PK
V	20720	40.38	30.85	7.45	24.69	41.67	54.00	-12.33	AV
H	10360	47.51	30.55	5.77	24.66	47.39	74.00	-26.61	PK
H	10360	38.06	30.55	5.77	24.66	37.94	54.00	-16.06	AV
H	15540	47.73	30.33	6.32	24.55	48.27	74.00	-25.73	PK
H	15540	41.60	30.33	6.32	24.55	42.14	54.00	-11.86	AV
H	20720	51.36	30.85	7.45	24.69	52.65	74.00	-21.35	PK
H	20720	39.40	30.85	7.45	24.69	40.69	54.00	-13.31	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:5200MHz									
V	10400	48.71	30.55	5.77	24.66	48.59	74.00	-25.41	PK
V	10400	35.62	30.55	5.77	24.66	35.50	54.00	-18.50	AV
V	15600	48.63	30.33	6.32	24.55	49.17	74.00	-24.83	PK
V	15600	39.90	30.33	6.32	24.55	40.44	54.00	-13.56	AV
V	20800	51.13	30.85	7.45	24.69	52.42	74.00	-21.58	PK
V	20800	38.94	30.85	7.45	24.69	40.23	54.00	-13.77	AV
H	10400	47.34	30.55	5.77	24.66	47.22	74.00	-26.78	PK
H	10400	38.44	30.55	5.77	24.66	38.32	54.00	-15.68	AV
H	15600	47.50	30.33	6.32	24.55	48.04	74.00	-25.96	PK
H	15600	41.39	30.33	6.32	24.55	41.93	54.00	-12.07	AV
H	20800	51.00	30.85	7.45	24.69	52.29	74.00	-21.71	PK
H	20800	39.09	30.85	7.45	24.69	40.38	54.00	-13.62	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplif ier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5240MHz									
V	10480	49.40	30.55	5.77	24.66	49.28	74.00	-24.72	PK
V	10480	34.32	30.55	5.77	24.66	34.20	54.00	-19.80	AV
V	15720	48.26	30.33	6.32	24.55	48.80	74.00	-25.20	PK
V	15720	40.77	30.33	6.32	24.55	41.31	54.00	-12.69	AV
V	20960	49.55	30.85	7.45	24.69	50.84	74.00	-23.16	PK
V	20960	40.38	30.85	7.45	24.69	41.67	54.00	-12.33	AV
H	10480	47.52	30.55	5.77	24.66	47.40	74.00	-26.60	PK
H	10480	37.77	30.55	5.77	24.66	37.65	54.00	-16.35	AV
H	15720	48.48	30.33	6.32	24.55	49.02	74.00	-24.98	PK

H	15720	41.33	30.33	6.32	24.55	41.87	54.00	-12.13	AV
H	20960	48.82	30.85	7.45	24.69	50.11	74.00	-23.89	PK
H	20960	41.01	30.85	7.45	24.69	42.30	54.00	-11.70	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:5745MHz									
V	11490	48.98	30.55	5.77	24.66	48.86	74.00	-25.14	PK
V	11490	35.21	30.55	5.77	24.66	35.09	54.00	-18.91	AV
V	17235	49.19	30.33	6.32	24.55	49.73	74.00	-24.27	PK
V	17235	41.56	30.33	6.32	24.55	42.10	54.00	-11.90	AV
V	22980	51.08	30.85	7.45	24.69	52.37	74.00	-21.63	PK
V	22980	39.76	30.85	7.45	24.69	41.05	54.00	-12.95	AV
H	11490	48.11	30.55	5.77	24.66	47.99	74.00	-26.01	PK
H	11490	40.74	30.55	5.77	24.66	40.62	54.00	-13.38	AV
H	17235	47.16	30.33	6.32	24.55	47.70	74.00	-26.30	PK
H	17235	41.65	30.33	6.32	24.55	42.19	54.00	-11.81	AV
H	22980	49.81	30.85	7.45	24.69	51.10	74.00	-22.90	PK
H	22980	41.24	30.85	7.45	24.69	42.53	54.00	-11.47	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	49.51	30.55	5.77	24.66	49.39	74.00	-24.61	PK
V	11570	36.36	30.55	5.77	24.66	36.24	54.00	-17.76	AV
V	17355	48.49	30.33	6.32	24.55	49.03	74.00	-24.97	PK
V	17355	41.70	30.33	6.32	24.55	42.24	54.00	-11.76	AV
V	23140	49.75	30.85	7.45	24.69	51.04	74.00	-22.96	PK
V	23140	39.16	30.85	7.45	24.69	40.45	54.00	-13.55	AV
H	11570	48.03	30.55	5.77	24.66	47.91	74.00	-26.09	PK
H	11570	38.49	30.55	5.77	24.66	38.37	54.00	-15.63	AV
H	17355	48.57	30.33	6.32	24.55	49.11	74.00	-24.89	PK
H	17355	41.66	30.33	6.32	24.55	42.20	54.00	-11.80	AV
H	23140	49.10	30.85	7.45	24.69	50.39	74.00	-23.61	PK
H	23140	41.17	30.85	7.45	24.69	42.46	54.00	-11.54	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	48.53	30.55	5.77	24.66	48.41	74.00	-25.59	PK
V	11650	36.39	30.55	5.77	24.66	36.27	54.00	-17.73	AV
V	17475	47.99	30.33	6.32	24.55	48.53	74.00	-25.47	PK
V	17475	40.85	30.33	6.32	24.55	41.39	54.00	-12.61	AV
V	23300	49.39	30.85	7.45	24.69	50.68	74.00	-23.32	PK
V	23300	39.22	30.85	7.45	24.69	40.51	54.00	-13.49	AV
H	11650	45.78	30.55	5.77	24.66	45.66	74.00	-28.34	PK
H	11650	40.16	30.55	5.77	24.66	40.04	54.00	-13.96	AV
H	17475	47.91	30.33	6.32	24.55	48.45	74.00	-25.55	PK
H	17475	41.53	30.33	6.32	24.55	42.07	54.00	-11.93	AV
H	23300	51.34	30.85	7.45	24.69	52.63	74.00	-21.37	PK
H	23300	41.69	30.85	7.45	24.69	42.98	54.00	-11.02	AV

ANT2-802.11n40

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:5190MHz									
V	10360	47.14	30.55	5.77	24.66	47.02	74.00	-26.98	PK
V	10360	35.01	30.55	5.77	24.66	34.89	54.00	-19.11	AV
V	15540	48.35	30.33	6.32	24.55	48.89	74.00	-25.11	PK
V	15540	39.73	30.33	6.32	24.55	40.27	54.00	-13.73	AV
V	20720	49.32	30.85	7.45	24.69	50.61	74.00	-23.39	PK
V	20720	41.43	30.85	7.45	24.69	42.72	54.00	-11.28	AV
H	10360	48.61	30.55	5.77	24.66	48.49	74.00	-25.51	PK
H	10360	40.42	30.55	5.77	24.66	40.30	54.00	-13.70	AV
H	15540	47.77	30.33	6.32	24.55	48.31	74.00	-25.69	PK
H	15540	38.93	30.33	6.32	24.55	39.47	54.00	-14.53	AV
H	20720	51.33	30.85	7.45	24.69	52.62	74.00	-21.38	PK
H	20720	40.77	30.85	7.45	24.69	42.06	54.00	-11.94	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplif ier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:5230MHz									
V	10460	49.44	30.55	5.77	24.66	49.32	74.00	-24.68	PK
V	10460	34.01	30.55	5.77	24.66	33.89	54.00	-20.11	AV
V	15690	48.94	30.33	6.32	24.55	49.48	74.00	-24.52	PK
V	15690	39.04	30.33	6.32	24.55	39.58	54.00	-14.42	AV
V	20920	49.79	30.85	7.45	24.69	51.08	74.00	-22.92	PK
V	20920	39.79	30.85	7.45	24.69	41.08	54.00	-12.92	AV
H	10460	48.13	30.55	5.77	24.66	48.01	74.00	-25.99	PK
H	10460	38.47	30.55	5.77	24.66	38.35	54.00	-15.65	AV
H	15690	48.04	30.33	6.32	24.55	48.58	74.00	-25.42	PK
H	15690	40.62	30.33	6.32	24.55	41.16	54.00	-12.84	AV
H	20920	51.52	30.85	7.45	24.69	52.81	74.00	-21.19	PK
H	20920	41.64	30.85	7.45	24.69	42.93	54.00	-11.07	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:5755MHz									
V	11510	47.93	30.55	5.77	24.66	47.81	74.00	-26.19	PK
V	11510	36.73	30.55	5.77	24.66	36.61	54.00	-17.39	AV
V	17265	49.59	30.33	6.32	24.55	50.13	74.00	-23.87	PK
V	17265	41.65	30.33	6.32	24.55	42.19	54.00	-11.81	AV
V	23020	50.14	30.85	7.45	24.69	51.43	74.00	-22.57	PK
V	23020	40.27	30.85	7.45	24.69	41.56	54.00	-12.44	AV
H	11510	46.36	30.55	5.77	24.66	46.24	74.00	-27.76	PK
H	11510	39.93	30.55	5.77	24.66	39.81	54.00	-14.19	AV
H	17265	47.08	30.33	6.32	24.55	47.62	74.00	-26.38	PK
H	17265	40.61	30.33	6.32	24.55	41.15	54.00	-12.85	AV
H	23020	50.66	30.85	7.45	24.69	51.95	74.00	-22.05	PK
H	23020	39.72	30.85	7.45	24.69	41.01	54.00	-12.99	AV

Polar	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect
-------	-----------	------------------	-------------------	---------------	-------------------	-------------------	--------	--------	--------

(H/V)	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	or Type
High Channel:5795MHz									
V	11590	48.17	30.55	5.77	24.66	48.05	74.00	-25.95	PK
V	11590	34.05	30.55	5.77	24.66	33.93	54.00	-20.07	AV
V	17385	48.11	30.33	6.32	24.55	48.65	74.00	-25.35	PK
V	17385	39.06	30.33	6.32	24.55	39.60	54.00	-14.40	AV
V	23180	48.95	30.85	7.45	24.69	50.24	74.00	-23.76	PK
V	23180	40.55	30.85	7.45	24.69	41.84	54.00	-12.16	AV
H	11590	48.26	30.55	5.77	24.66	48.14	74.00	-25.86	PK
H	11590	40.42	30.55	5.77	24.66	40.30	54.00	-13.70	AV
H	17385	47.53	30.33	6.32	24.55	48.07	74.00	-25.93	PK
H	17385	39.76	30.33	6.32	24.55	40.30	54.00	-13.70	AV
H	23180	51.03	30.85	7.45	24.69	52.32	74.00	-21.68	PK
H	23180	41.39	30.85	7.45	24.69	42.68	54.00	-11.32	AV

ANT2--802.11ac20

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)	
Low Channel:5180MHz									
V	10360	49.18	30.55	5.77	24.66	49.06	74.00	-24.94	PK
V	10360	35.71	30.55	5.77	24.66	35.59	54.00	-18.41	AV
V	15540	48.69	30.33	6.32	24.55	49.23	74.00	-24.77	PK
V	15540	40.61	30.33	6.32	24.55	41.15	54.00	-12.85	AV
V	20720	50.41	30.85	7.45	24.69	51.70	74.00	-22.30	PK
V	20720	41.41	30.85	7.45	24.69	42.70	54.00	-11.30	AV
H	10360	47.09	30.55	5.77	24.66	46.97	74.00	-27.03	PK
H	10360	39.72	30.55	5.77	24.66	39.60	54.00	-14.40	AV
H	15540	47.71	30.33	6.32	24.55	48.25	74.00	-25.75	PK
H	15540	41.64	30.33	6.32	24.55	42.18	54.00	-11.82	AV
H	20720	49.96	30.85	7.45	24.69	51.25	74.00	-22.75	PK
H	20720	38.87	30.85	7.45	24.69	40.16	54.00	-13.84	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)	
Middle Channel:5200MHz									
V	10400	48.67	30.55	5.77	24.66	48.55	74.00	-25.45	PK
V	10400	35.86	30.55	5.77	24.66	35.74	54.00	-18.26	AV
V	15600	48.72	30.33	6.32	24.55	49.26	74.00	-24.74	PK
V	15600	39.16	30.33	6.32	24.55	39.70	54.00	-14.30	AV
V	20800	51.01	30.85	7.45	24.69	52.30	74.00	-21.70	PK
V	20800	39.63	30.85	7.45	24.69	40.92	54.00	-13.08	AV
H	10400	48.64	30.55	5.77	24.66	48.52	74.00	-25.48	PK
H	10400	39.62	30.55	5.77	24.66	39.50	54.00	-14.50	AV
H	15600	48.33	30.33	6.32	24.55	48.87	74.00	-25.13	PK
H	15600	41.47	30.33	6.32	24.55	42.01	54.00	-11.99	AV
H	20800	50.28	30.85	7.45	24.69	51.57	74.00	-22.43	PK
H	20800	41.27	30.85	7.45	24.69	42.56	54.00	-11.44	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplif ier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5240MHz									

V	10480	47.54	30.55	5.77	24.66	47.42	74.00	-26.58	PK
V	10480	35.15	30.55	5.77	24.66	35.03	54.00	-18.97	AV
V	15720	49.62	30.33	6.32	24.55	50.16	74.00	-23.84	PK
V	15720	41.72	30.33	6.32	24.55	42.26	54.00	-11.74	AV
V	20960	49.58	30.85	7.45	24.69	50.87	74.00	-23.13	PK
V	20960	40.36	30.85	7.45	24.69	41.65	54.00	-12.35	AV
H	10480	46.75	30.55	5.77	24.66	46.63	74.00	-27.37	PK
H	10480	39.84	30.55	5.77	24.66	39.72	54.00	-14.28	AV
H	15720	47.13	30.33	6.32	24.55	47.67	74.00	-26.33	PK
H	15720	40.25	30.33	6.32	24.55	40.79	54.00	-13.21	AV
H	20960	49.44	30.85	7.45	24.69	50.73	74.00	-23.27	PK
H	20960	40.10	30.85	7.45	24.69	41.39	54.00	-12.61	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:5745MHz									
V	11490	48.44	30.55	5.77	24.66	48.32	74.00	-25.68	PK
V	11490	36.44	30.55	5.77	24.66	36.32	54.00	-17.68	AV
V	17235	47.85	30.33	6.32	24.55	48.39	74.00	-25.61	PK
V	17235	41.70	30.33	6.32	24.55	42.24	54.00	-11.76	AV
V	22980	50.18	30.85	7.45	24.69	51.47	74.00	-22.53	PK
V	22980	40.13	30.85	7.45	24.69	41.42	54.00	-12.58	AV
H	11490	47.26	30.55	5.77	24.66	47.14	74.00	-26.86	PK
H	11490	38.49	30.55	5.77	24.66	38.37	54.00	-15.63	AV
H	17235	48.14	30.33	6.32	24.55	48.68	74.00	-25.32	PK
H	17235	40.51	30.33	6.32	24.55	41.05	54.00	-12.95	AV
H	22980	49.30	30.85	7.45	24.69	50.59	74.00	-23.41	PK
H	22980	39.65	30.85	7.45	24.69	40.94	54.00	-13.06	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	46.86	30.55	5.77	24.66	46.74	74.00	-27.26	PK
V	11570	35.93	30.55	5.77	24.66	35.81	54.00	-18.19	AV
V	17355	48.69	30.33	6.32	24.55	49.23	74.00	-24.77	PK
V	17355	41.50	30.33	6.32	24.55	42.04	54.00	-11.96	AV
V	23140	50.00	30.85	7.45	24.69	51.29	74.00	-22.71	PK
V	23140	40.58	30.85	7.45	24.69	41.87	54.00	-12.13	AV
H	11570	46.09	30.55	5.77	24.66	45.97	74.00	-28.03	PK
H	11570	40.69	30.55	5.77	24.66	40.57	54.00	-13.43	AV
H	17355	47.50	30.33	6.32	24.55	48.04	74.00	-25.96	PK
H	17355	40.98	30.33	6.32	24.55	41.52	54.00	-12.48	AV
H	23140	49.85	30.85	7.45	24.69	51.14	74.00	-22.86	PK
H	23140	40.83	30.85	7.45	24.69	42.12	54.00	-11.88	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:5825MHz									
V	11650	48.15	30.55	5.77	24.66	48.03	74.00	-25.97	PK
V	11650	36.35	30.55	5.77	24.66	36.23	54.00	-17.77	AV
V	17475	49.61	30.33	6.32	24.55	50.15	74.00	-23.85	PK
V	17475	41.04	30.33	6.32	24.55	41.58	54.00	-12.42	AV

V	23300	51.67	30.85	7.45	24.69	52.96	74.00	-21.04	PK
V	23300	41.33	30.85	7.45	24.69	42.62	54.00	-11.38	AV
H	11650	47.87	30.55	5.77	24.66	47.75	74.00	-26.25	PK
H	11650	38.65	30.55	5.77	24.66	38.53	54.00	-15.47	AV
H	17475	48.44	30.33	6.32	24.55	48.98	74.00	-25.02	PK
H	17475	39.90	30.33	6.32	24.55	40.44	54.00	-13.56	AV
H	23300	51.75	30.85	7.45	24.69	53.04	74.00	-20.96	PK
H	23300	39.37	30.85	7.45	24.69	40.66	54.00	-13.34	AV

ANT2-802.11ac40

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:5190MHz									
V	10360	49.60	30.55	5.77	24.66	49.48	74.00	-24.52	PK
V	10360	35.63	30.55	5.77	24.66	35.51	54.00	-18.49	AV
V	15540	49.67	30.33	6.32	24.55	50.21	74.00	-23.79	PK
V	15540	40.97	30.33	6.32	24.55	41.51	54.00	-12.49	AV
V	20720	50.57	30.85	7.45	24.69	51.86	74.00	-22.14	PK
V	20720	39.63	30.85	7.45	24.69	40.92	54.00	-13.08	AV
H	10360	47.63	30.55	5.77	24.66	47.51	74.00	-26.49	PK
H	10360	40.59	30.55	5.77	24.66	40.47	54.00	-13.53	AV
H	15540	48.34	30.33	6.32	24.55	48.88	74.00	-25.12	PK
H	15540	39.01	30.33	6.32	24.55	39.55	54.00	-14.45	AV
H	20720	50.25	30.85	7.45	24.69	51.54	74.00	-22.46	PK
H	20720	38.87	30.85	7.45	24.69	40.16	54.00	-13.84	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplif ier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:5230MHz									
V	10460	48.60	30.55	5.77	24.66	48.48	74.00	-25.52	PK
V	10460	34.23	30.55	5.77	24.66	34.11	54.00	-19.89	AV
V	15690	48.12	30.33	6.32	24.55	48.66	74.00	-25.34	PK
V	15690	41.24	30.33	6.32	24.55	41.78	54.00	-12.22	AV
V	20920	51.21	30.85	7.45	24.69	52.50	74.00	-21.50	PK
V	20920	41.02	30.85	7.45	24.69	42.31	54.00	-11.69	AV
H	10460	47.48	30.55	5.77	24.66	47.36	74.00	-26.64	PK
H	10460	38.61	30.55	5.77	24.66	38.49	54.00	-15.51	AV
H	15690	48.19	30.33	6.32	24.55	48.73	74.00	-25.27	PK
H	15690	39.70	30.33	6.32	24.55	40.24	54.00	-13.76	AV
H	20920	49.35	30.85	7.45	24.69	50.64	74.00	-23.36	PK
H	20920	40.74	30.85	7.45	24.69	42.03	54.00	-11.97	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:5755MHz									
V	11510	49.16	30.55	5.77	24.66	49.04	74.00	-24.96	PK
V	11510	34.24	30.55	5.77	24.66	34.12	54.00	-19.88	AV
V	17265	49.75	30.33	6.32	24.55	50.29	74.00	-23.71	PK
V	17265	40.20	30.33	6.32	24.55	40.74	54.00	-13.26	AV
V	23020	49.46	30.85	7.45	24.69	50.75	74.00	-23.25	PK
V	23020	39.01	30.85	7.45	24.69	40.30	54.00	-13.70	AV
H	11510	47.95	30.55	5.77	24.66	47.83	74.00	-26.17	PK

H	11510	39.52	30.55	5.77	24.66	39.40	54.00	-14.60	AV
H	17265	47.69	30.33	6.32	24.55	48.23	74.00	-25.77	PK
H	17265	41.22	30.33	6.32	24.55	41.76	54.00	-12.24	AV
H	23020	50.78	30.85	7.45	24.69	52.07	74.00	-21.93	PK
H	23020	39.55	30.85	7.45	24.69	40.84	54.00	-13.16	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:5795MHz									
V	11510	48.11	30.55	5.77	24.66	47.99	74.00	-26.01	PK
V	11510	36.15	30.55	5.77	24.66	36.03	54.00	-17.97	AV
V	17265	48.60	30.33	6.32	24.55	49.14	74.00	-24.86	PK
V	17265	40.60	30.33	6.32	24.55	41.14	54.00	-12.86	AV
V	23020	48.99	30.85	7.45	24.69	50.28	74.00	-23.72	PK
V	23020	40.72	30.85	7.45	24.69	42.01	54.00	-11.99	AV
H	11510	48.00	30.55	5.77	24.66	47.88	74.00	-26.12	PK
H	11510	38.09	30.55	5.77	24.66	37.97	54.00	-16.03	AV
H	17265	47.71	30.33	6.32	24.55	48.25	74.00	-25.75	PK
H	17265	41.58	30.33	6.32	24.55	42.12	54.00	-11.88	AV
H	23020	51.70	30.85	7.45	24.69	52.99	74.00	-21.01	PK
H	23020	40.14	30.85	7.45	24.69	41.43	54.00	-12.57	AV

ANT2-802.11ac80

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)	
5210MHz									
V	10420	47.49	30.55	5.77	24.66	47.37	74.00	-26.63	PK
V	10420	34.74	30.55	5.77	24.66	34.62	54.00	-19.38	AV
V	15630	48.56	30.33	6.32	24.55	49.10	74.00	-24.90	PK
V	15630	39.37	30.33	6.32	24.55	39.91	54.00	-14.09	AV
V	20840	51.50	30.85	7.45	24.69	52.79	74.00	-21.21	PK
V	20840	41.18	30.85	7.45	24.69	42.47	54.00	-11.53	AV
H	10420	47.12	30.55	5.77	24.66	47.00	74.00	-27.00	PK
H	10420	38.75	30.55	5.77	24.66	38.63	54.00	-15.37	AV
H	15630	48.21	30.33	6.32	24.55	48.75	74.00	-25.25	PK
H	15630	39.87	30.33	6.32	24.55	40.41	54.00	-13.59	AV
H	20840	51.45	30.85	7.45	24.69	52.74	74.00	-21.26	PK
H	20840	39.93	30.85	7.45	24.69	41.22	54.00	-12.78	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:5775MHz									
V	11550	48.34	30.55	5.77	24.66	48.22	74.00	-25.78	PK
V	11550	36.61	30.55	5.77	24.66	36.49	54.00	-17.51	AV
V	17325	48.04	30.33	6.32	24.55	48.58	74.00	-25.42	PK
V	17325	40.06	30.33	6.32	24.55	40.60	54.00	-13.40	AV
V	23100	49.85	30.85	7.45	24.69	51.14	74.00	-22.86	PK
V	23100	39.11	30.85	7.45	24.69	40.40	54.00	-13.60	AV
H	11550	46.69	30.55	5.77	24.66	46.57	74.00	-27.43	PK
H	11550	39.56	30.55	5.77	24.66	39.44	54.00	-14.56	AV
H	17325	47.94	30.33	6.32	24.55	48.48	74.00	-25.52	PK
H	17325	39.95	30.33	6.32	24.55	40.49	54.00	-13.51	AV

H	23100	49.71	30.85	7.45	24.69	51.00	74.00	-23.00	PK
H	23100	40.94	30.85	7.45	24.69	42.23	54.00	-11.77	AV

MIMO-802.11n20

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-ampli fier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
Low Channel:5180MHz									
V	10360	48.91	30.55	5.77	24.66	48.79	74.00	-25.21	PK
V	10360	34.86	30.55	5.77	24.66	34.74	54.00	-19.26	AV
V	15540	48.09	30.33	6.32	24.55	48.63	74.00	-25.37	PK
V	15540	38.79	30.33	6.32	24.55	39.33	54.00	-14.67	AV
V	20720	50.26	30.85	7.45	24.69	51.55	74.00	-22.45	PK
V	20720	40.02	30.85	7.45	24.69	41.31	54.00	-12.69	AV
H	10360	48.20	30.55	5.77	24.66	48.08	74.00	-25.92	PK
H	10360	40.46	30.55	5.77	24.66	40.34	54.00	-13.66	AV
H	15540	47.25	30.33	6.32	24.55	47.79	74.00	-26.21	PK
H	15540	40.86	30.33	6.32	24.55	41.40	54.00	-12.60	AV
H	20720	49.40	30.85	7.45	24.69	50.69	74.00	-23.31	PK
H	20720	39.78	30.85	7.45	24.69	41.07	54.00	-12.93	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-ampli fier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
Middle Channel:5200MHz									
V	10400	49.00	30.55	5.77	24.66	48.88	74.00	-25.12	PK
V	10400	36.45	30.55	5.77	24.66	36.33	54.00	-17.67	AV
V	15600	47.99	30.33	6.32	24.55	48.53	74.00	-25.47	PK
V	15600	39.32	30.33	6.32	24.55	39.86	54.00	-14.14	AV
V	20800	49.02	30.85	7.45	24.69	50.31	74.00	-23.69	PK
V	20800	40.51	30.85	7.45	24.69	41.80	54.00	-12.20	AV
H	10400	48.68	30.55	5.77	24.66	48.56	74.00	-25.44	PK
H	10400	39.71	30.55	5.77	24.66	39.59	54.00	-14.41	AV
H	15600	47.70	30.33	6.32	24.55	48.24	74.00	-25.76	PK
H	15600	40.15	30.33	6.32	24.55	40.69	54.00	-13.31	AV
H	20800	49.84	30.85	7.45	24.69	51.13	74.00	-22.87	PK
H	20800	39.44	30.85	7.45	24.69	40.73	54.00	-13.27	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplif ier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:5240MHz									
V	10480	48.09	30.55	5.77	24.66	47.97	74.00	-26.03	PK
V	10480	35.61	30.55	5.77	24.66	35.49	54.00	-18.51	AV
V	15720	49.55	30.33	6.32	24.55	50.09	74.00	-23.91	PK
V	15720	39.05	30.33	6.32	24.55	39.59	54.00	-14.41	AV
V	20960	49.84	30.85	7.45	24.69	51.13	74.00	-22.87	PK
V	20960	39.96	30.85	7.45	24.69	41.25	54.00	-12.75	AV
H	10480	46.40	30.55	5.77	24.66	46.28	74.00	-27.72	PK
H	10480	38.55	30.55	5.77	24.66	38.43	54.00	-15.57	AV
H	15720	46.81	30.33	6.32	24.55	47.35	74.00	-26.65	PK
H	15720	40.89	30.33	6.32	24.55	41.43	54.00	-12.57	AV
H	20960	49.03	30.85	7.45	24.69	50.32	74.00	-23.68	PK
H	20960	41.37	30.85	7.45	24.69	42.66	54.00	-11.34	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:5745MHz									
V	11490	48.52	30.55	5.77	24.66	48.40	74.00	-25.60	PK
V	11490	36.53	30.55	5.77	24.66	36.41	54.00	-17.59	AV
V	17235	49.66	30.33	6.32	24.55	50.20	74.00	-23.80	PK
V	17235	41.50	30.33	6.32	24.55	42.04	54.00	-11.96	AV
V	22980	49.06	30.85	7.45	24.69	50.35	74.00	-23.65	PK
V	22980	41.09	30.85	7.45	24.69	42.38	54.00	-11.62	AV
H	11490	48.41	30.55	5.77	24.66	48.29	74.00	-25.71	PK
H	11490	37.77	30.55	5.77	24.66	37.65	54.00	-16.35	AV
H	17235	48.46	30.33	6.32	24.55	49.00	74.00	-25.00	PK
H	17235	40.31	30.33	6.32	24.55	40.85	54.00	-13.15	AV
H	22980	50.09	30.85	7.45	24.69	51.38	74.00	-22.62	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	48.24	30.55	5.77	24.66	48.12	74.00	-25.88	PK
V	11570	36.67	30.55	5.77	24.66	36.55	54.00	-17.45	AV
V	17355	48.40	30.33	6.32	24.55	48.94	74.00	-25.06	PK
V	17355	41.67	30.33	6.32	24.55	42.21	54.00	-11.79	AV
V	23140	50.04	30.85	7.45	24.69	51.33	74.00	-22.67	PK
V	23140	40.62	30.85	7.45	24.69	41.91	54.00	-12.09	AV
H	11570	48.46	30.55	5.77	24.66	48.34	74.00	-25.66	PK
H	11570	38.58	30.55	5.77	24.66	38.46	54.00	-15.54	AV
H	17355	48.02	30.33	6.32	24.55	48.56	74.00	-25.44	PK
H	17355	40.72	30.33	6.32	24.55	41.26	54.00	-12.74	AV
H	23140	51.66	30.85	7.45	24.69	52.95	74.00	-21.05	PK
H	23140	41.04	30.85	7.45	24.69	42.33	54.00	-11.67	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	47.81	30.55	5.77	24.66	47.69	74.00	-26.31	PK
V	11650	35.54	30.55	5.77	24.66	35.42	54.00	-18.58	AV
V	17475	48.95	30.33	6.32	24.55	49.49	74.00	-24.51	PK
V	17475	39.50	30.33	6.32	24.55	40.04	54.00	-13.96	AV
V	23300	48.95	30.85	7.45	24.69	50.24	74.00	-23.76	PK
V	23300	41.35	30.85	7.45	24.69	42.64	54.00	-11.36	AV
H	11650	47.38	30.55	5.77	24.66	47.26	74.00	-26.74	PK
H	11650	39.64	30.55	5.77	24.66	39.52	54.00	-14.48	AV
H	17475	47.63	30.33	6.32	24.55	48.17	74.00	-25.83	PK
H	17475	38.78	30.33	6.32	24.55	39.32	54.00	-14.68	AV
H	23300	49.44	30.85	7.45	24.69	50.73	74.00	-23.27	PK
H	23300	40.83	30.85	7.45	24.69	42.12	54.00	-11.88	AV

MIMO-802.11n40

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	

Low Channel:5190MHz									
V	10360	47.25	30.55	5.77	24.66	47.13	74.00	-26.87	PK
V	10360	34.76	30.55	5.77	24.66	34.64	54.00	-19.36	AV
V	15540	48.84	30.33	6.32	24.55	49.38	74.00	-24.62	PK
V	15540	40.27	30.33	6.32	24.55	40.81	54.00	-13.19	AV
V	20720	49.67	30.85	7.45	24.69	50.96	74.00	-23.04	PK
V	20720	39.14	30.85	7.45	24.69	40.43	54.00	-13.57	AV
H	10360	46.91	30.55	5.77	24.66	46.79	74.00	-27.21	PK
H	10360	39.23	30.55	5.77	24.66	39.11	54.00	-14.89	AV
H	15540	47.48	30.33	6.32	24.55	48.02	74.00	-25.98	PK
H	15540	40.85	30.33	6.32	24.55	41.39	54.00	-12.61	AV
H	20720	50.64	30.85	7.45	24.69	51.93	74.00	-22.07	PK
H	20720	39.86	30.85	7.45	24.69	41.15	54.00	-12.85	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplif ier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:5230MHz									
V	10460	47.53	30.55	5.77	24.66	47.41	74.00	-26.59	PK
V	10460	35.16	30.55	5.77	24.66	35.04	54.00	-18.96	AV
V	15690	48.57	30.33	6.32	24.55	49.11	74.00	-24.89	PK
V	15690	40.40	30.33	6.32	24.55	40.94	54.00	-13.06	AV
V	20920	48.88	30.85	7.45	24.69	50.17	74.00	-23.83	PK
V	20920	39.32	30.85	7.45	24.69	40.61	54.00	-13.39	AV
H	10460	48.37	30.55	5.77	24.66	48.25	74.00	-25.75	PK
H	10460	38.15	30.55	5.77	24.66	38.03	54.00	-15.97	AV
H	15690	48.17	30.33	6.32	24.55	48.71	74.00	-25.29	PK
H	15690	41.41	30.33	6.32	24.55	41.95	54.00	-12.05	AV
H	20920	50.16	30.85	7.45	24.69	51.45	74.00	-22.55	PK
H	20920	40.10	30.85	7.45	24.69	41.39	54.00	-12.61	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:5755MHz									
V	11510	47.85	30.55	5.77	24.66	47.73	74.00	-26.27	PK
V	11510	35.14	30.55	5.77	24.66	35.02	54.00	-18.98	AV
V	17265	49.13	30.33	6.32	24.55	49.67	74.00	-24.33	PK
V	17265	41.69	30.33	6.32	24.55	42.23	54.00	-11.77	AV
V	23020	50.77	30.85	7.45	24.69	52.06	74.00	-21.94	PK
V	23020	40.36	30.85	7.45	24.69	41.65	54.00	-12.35	AV
H	11510	48.47	30.55	5.77	24.66	48.35	74.00	-25.65	PK
H	11510	39.83	30.55	5.77	24.66	39.71	54.00	-14.29	AV
H	17265	47.00	30.33	6.32	24.55	47.54	74.00	-26.46	PK
H	17265	39.46	30.33	6.32	24.55	40.00	54.00	-14.00	AV
H	23020	49.10	30.85	7.45	24.69	50.39	74.00	-23.61	PK
H	23020	40.39	30.85	7.45	24.69	41.68	54.00	-12.32	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	48.04	30.55	5.77	24.66	47.92	74.00	-26.08	PK
V	11590	35.56	30.55	5.77	24.66	35.44	54.00	-18.56	AV
V	17385	48.27	30.33	6.32	24.55	48.81	74.00	-25.19	PK

V	17385	40.78	30.33	6.32	24.55	41.32	54.00	-12.68	AV
V	23180	51.22	30.85	7.45	24.69	52.51	74.00	-21.49	PK
V	23180	41.54	30.85	7.45	24.69	42.83	54.00	-11.17	AV
H	11590	46.57	30.55	5.77	24.66	46.45	74.00	-27.55	PK
H	11590	40.08	30.55	5.77	24.66	39.96	54.00	-14.04	AV
H	17385	47.59	30.33	6.32	24.55	48.13	74.00	-25.87	PK
H	17385	39.50	30.33	6.32	24.55	40.04	54.00	-13.96	AV
H	23180	50.29	30.85	7.45	24.69	51.58	74.00	-22.42	PK
H	23180	40.69	30.85	7.45	24.69	41.98	54.00	-12.02	AV

MIMO--802.11ac20

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-ampli fier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
Low Channel:5180MHz									
V	10360	47.95	30.55	5.77	24.66	47.83	74.00	-26.17	PK
V	10360	35.74	30.55	5.77	24.66	35.62	54.00	-18.38	AV
V	15540	48.94	30.33	6.32	24.55	49.48	74.00	-24.52	PK
V	15540	40.07	30.33	6.32	24.55	40.61	54.00	-13.39	AV
V	20720	48.93	30.85	7.45	24.69	50.22	74.00	-23.78	PK
V	20720	38.79	30.85	7.45	24.69	40.08	54.00	-13.92	AV
H	10360	46.56	30.55	5.77	24.66	46.44	74.00	-27.56	PK
H	10360	38.99	30.55	5.77	24.66	38.87	54.00	-15.13	AV
H	15540	48.39	30.33	6.32	24.55	48.93	74.00	-25.07	PK
H	15540	40.78	30.33	6.32	24.55	41.32	54.00	-12.68	AV
H	20720	49.22	30.85	7.45	24.69	50.51	74.00	-23.49	PK
H	20720	39.00	30.85	7.45	24.69	40.29	54.00	-13.71	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-ampli fier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
Middle Channel:5200MHz									
V	10400	47.64	30.55	5.77	24.66	47.52	74.00	-26.48	PK
V	10400	34.99	30.55	5.77	24.66	34.87	54.00	-19.13	AV
V	15600	49.18	30.33	6.32	24.55	49.72	74.00	-24.28	PK
V	15600	41.59	30.33	6.32	24.55	42.13	54.00	-11.87	AV
V	20800	49.81	30.85	7.45	24.69	51.10	74.00	-22.90	PK
V	20800	41.33	30.85	7.45	24.69	42.62	54.00	-11.38	AV
H	10400	46.72	30.55	5.77	24.66	46.60	74.00	-27.40	PK
H	10400	40.03	30.55	5.77	24.66	39.91	54.00	-14.09	AV
H	15600	48.41	30.33	6.32	24.55	48.95	74.00	-25.05	PK
H	15600	39.05	30.33	6.32	24.55	39.59	54.00	-14.41	AV
H	20800	49.15	30.85	7.45	24.69	50.44	74.00	-23.56	PK
H	20800	41.30	30.85	7.45	24.69	42.59	54.00	-11.41	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplif ier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:5240MHz									
V	10480	47.29	30.55	5.77	24.66	47.17	74.00	-26.83	PK
V	10480	35.26	30.55	5.77	24.66	35.14	54.00	-18.86	AV
V	15720	47.90	30.33	6.32	24.55	48.44	74.00	-25.56	PK
V	15720	39.82	30.33	6.32	24.55	40.36	54.00	-13.64	AV
V	20960	48.78	30.85	7.45	24.69	50.07	74.00	-23.93	PK

V	20960	40.58	30.85	7.45	24.69	41.87	54.00	-12.13	AV
H	10480	48.52	30.55	5.77	24.66	48.40	74.00	-25.60	PK
H	10480	38.66	30.55	5.77	24.66	38.54	54.00	-15.46	AV
H	15720	47.16	30.33	6.32	24.55	47.70	74.00	-26.30	PK
H	15720	40.71	30.33	6.32	24.55	41.25	54.00	-12.75	AV
H	20960	51.20	30.85	7.45	24.69	52.49	74.00	-21.51	PK
H	20960	39.72	30.85	7.45	24.69	41.01	54.00	-12.99	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:5745MHz									
V	11490	47.77	30.55	5.77	24.66	47.65	74.00	-26.35	PK
V	11490	36.25	30.55	5.77	24.66	36.13	54.00	-17.87	AV
V	17235	48.96	30.33	6.32	24.55	49.50	74.00	-24.50	PK
V	17235	40.08	30.33	6.32	24.55	40.62	54.00	-13.38	AV
V	22980	48.90	30.85	7.45	24.69	50.19	74.00	-23.81	PK
V	22980	40.58	30.85	7.45	24.69	41.87	54.00	-12.13	AV
H	11490	48.56	30.55	5.77	24.66	48.44	74.00	-25.56	PK
H	11490	40.55	30.55	5.77	24.66	40.43	54.00	-13.57	AV
H	17235	48.51	30.33	6.32	24.55	49.05	74.00	-24.95	PK
H	17235	39.37	30.33	6.32	24.55	39.91	54.00	-14.09	AV
H	22980	49.18	30.85	7.45	24.69	50.47	74.00	-23.53	PK
H	22980	40.01	30.85	7.45	24.69	41.30	54.00	-12.70	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	48.51	30.55	5.77	24.66	48.39	74.00	-25.61	PK
V	11570	34.66	30.55	5.77	24.66	34.54	54.00	-19.46	AV
V	17355	48.08	30.33	6.32	24.55	48.62	74.00	-25.38	PK
V	17355	38.98	30.33	6.32	24.55	39.52	54.00	-14.48	AV
V	23140	50.25	30.85	7.45	24.69	51.54	74.00	-22.46	PK
V	23140	40.37	30.85	7.45	24.69	41.66	54.00	-12.34	AV
H	11570	47.29	30.55	5.77	24.66	47.17	74.00	-26.83	PK
H	11570	37.79	30.55	5.77	24.66	37.67	54.00	-16.33	AV
H	17355	48.27	30.33	6.32	24.55	48.81	74.00	-25.19	PK
H	17355	40.29	30.33	6.32	24.55	40.83	54.00	-13.17	AV
H	23140	51.00	30.85	7.45	24.69	52.29	74.00	-21.71	PK
H	23140	40.48	30.85	7.45	24.69	41.77	54.00	-12.23	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	48.83	30.55	5.77	24.66	48.71	74.00	-25.29	PK
V	11650	33.93	30.55	5.77	24.66	33.81	54.00	-20.19	AV
V	17475	47.83	30.33	6.32	24.55	48.37	74.00	-25.63	PK
V	17475	40.59	30.33	6.32	24.55	41.13	54.00	-12.87	AV
V	23300	49.95	30.85	7.45	24.69	51.24	74.00	-22.76	PK
V	23300	39.21	30.85	7.45	24.69	40.50	54.00	-13.50	AV
H	11650	47.85	30.55	5.77	24.66	47.73	74.00	-26.27	PK
H	11650	39.34	30.55	5.77	24.66	39.22	54.00	-14.78	AV
H	17475	48.36	30.33	6.32	24.55	48.90	74.00	-25.10	PK

H	17475	40.05	30.33	6.32	24.55	40.59	54.00	-13.41	AV
H	23300	51.25	30.85	7.45	24.69	52.54	74.00	-21.46	PK
H	23300	40.00	30.85	7.45	24.69	41.29	54.00	-12.71	AV

MIMO-802.11ac40

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:5190MHz									
V	10360	48.84	30.55	5.77	24.66	48.72	74.00	-25.28	PK
V	10360	36.04	30.55	5.77	24.66	35.92	54.00	-18.08	AV
V	15540	47.85	30.33	6.32	24.55	48.39	74.00	-25.61	PK
V	15540	41.13	30.33	6.32	24.55	41.67	54.00	-12.33	AV
V	20720	51.20	30.85	7.45	24.69	52.49	74.00	-21.51	PK
V	20720	40.66	30.85	7.45	24.69	41.95	54.00	-12.05	AV
H	10360	48.69	30.55	5.77	24.66	48.57	74.00	-25.43	PK
H	10360	38.90	30.55	5.77	24.66	38.78	54.00	-15.22	AV
H	15540	46.92	30.33	6.32	24.55	47.46	74.00	-26.54	PK
H	15540	41.42	30.33	6.32	24.55	41.96	54.00	-12.04	AV
H	20720	48.79	30.85	7.45	24.69	50.08	74.00	-23.92	PK
H	20720	41.29	30.85	7.45	24.69	42.58	54.00	-11.42	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplif ier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:5230MHz									
V	10460	48.70	30.55	5.77	24.66	48.58	74.00	-25.42	PK
V	10460	34.13	30.55	5.77	24.66	34.01	54.00	-19.99	AV
V	15690	48.87	30.33	6.32	24.55	49.41	74.00	-24.59	PK
V	15690	39.20	30.33	6.32	24.55	39.74	54.00	-14.26	AV
V	20920	49.12	30.85	7.45	24.69	50.41	74.00	-23.59	PK
V	20920	41.12	30.85	7.45	24.69	42.41	54.00	-11.59	AV
H	10460	46.37	30.55	5.77	24.66	46.25	74.00	-27.75	PK
H	10460	40.03	30.55	5.77	24.66	39.91	54.00	-14.09	AV
H	15690	47.48	30.33	6.32	24.55	48.02	74.00	-25.98	PK
H	15690	40.13	30.33	6.32	24.55	40.67	54.00	-13.33	AV
H	20920	49.16	30.85	7.45	24.69	50.45	74.00	-23.55	PK
H	20920	41.06	30.85	7.45	24.69	42.35	54.00	-11.65	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:5755MHz									
V	11510	47.82	30.55	5.77	24.66	47.70	74.00	-26.30	PK
V	11510	36.35	30.55	5.77	24.66	36.23	54.00	-17.77	AV
V	17265	48.94	30.33	6.32	24.55	49.48	74.00	-24.52	PK
V	17265	41.52	30.33	6.32	24.55	42.06	54.00	-11.94	AV
V	23020	50.34	30.85	7.45	24.69	51.63	74.00	-22.37	PK
V	23020	40.22	30.85	7.45	24.69	41.51	54.00	-12.49	AV
H	11510	46.22	30.55	5.77	24.66	46.10	74.00	-27.90	PK
H	11510	40.56	30.55	5.77	24.66	40.44	54.00	-13.56	AV
H	17265	48.11	30.33	6.32	24.55	48.65	74.00	-25.35	PK
H	17265	41.26	30.33	6.32	24.55	41.80	54.00	-12.20	AV
H	23020	49.44	30.85	7.45	24.69	50.73	74.00	-23.27	PK
H	23020	40.67	30.85	7.45	24.69	41.96	54.00	-12.04	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	11510	46.98	30.55	5.77	24.66	46.86	74.00	-27.14	PK
V	11510	35.24	30.55	5.77	24.66	35.12	54.00	-18.88	AV
V	17265	47.78	30.33	6.32	24.55	48.32	74.00	-25.68	PK
V	17265	39.87	30.33	6.32	24.55	40.41	54.00	-13.59	AV
V	23020	51.36	30.85	7.45	24.69	52.65	74.00	-21.35	PK
V	23020	39.84	30.85	7.45	24.69	41.13	54.00	-12.87	AV
H	11510	47.08	30.55	5.77	24.66	46.96	74.00	-27.04	PK
H	11510	39.60	30.55	5.77	24.66	39.48	54.00	-14.52	AV
H	17265	47.28	30.33	6.32	24.55	47.82	74.00	-26.18	PK
H	17265	41.67	30.33	6.32	24.55	42.21	54.00	-11.79	AV
H	23020	51.24	30.85	7.45	24.69	52.53	74.00	-21.47	PK
H	23020	39.00	30.85	7.45	24.69	40.29	54.00	-13.71	AV

MIMO-802.11ac80

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
5210MHz									
V	10420	47.25	30.55	5.77	24.66	47.13	74.00	-26.87	PK
V	10420	35.88	30.55	5.77	24.66	35.76	54.00	-18.24	AV
V	15630	49.43	30.33	6.32	24.55	49.97	74.00	-24.03	PK
V	15630	41.23	30.33	6.32	24.55	41.77	54.00	-12.23	AV
V	20840	51.28	30.85	7.45	24.69	52.57	74.00	-21.43	PK
V	20840	41.54	30.85	7.45	24.69	42.83	54.00	-11.17	AV
H	10420	45.96	30.55	5.77	24.66	45.84	74.00	-28.16	PK
H	10420	39.33	30.55	5.77	24.66	39.21	54.00	-14.79	AV
H	15630	47.24	30.33	6.32	24.55	47.78	74.00	-26.22	PK
H	15630	39.36	30.33	6.32	24.55	39.90	54.00	-14.10	AV
H	20840	50.30	30.85	7.45	24.69	51.59	74.00	-22.41	PK
H	20840	40.10	30.85	7.45	24.69	41.39	54.00	-12.61	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:5775MHz									
V	11550	49.73	30.55	5.77	24.66	49.61	74.00	-24.39	PK
V	11550	35.97	30.55	5.77	24.66	35.85	54.00	-18.15	AV
V	17325	49.13	30.33	6.32	24.55	49.67	74.00	-24.33	PK
V	17325	38.78	30.33	6.32	24.55	39.32	54.00	-14.68	AV
V	23100	48.94	30.85	7.45	24.69	50.23	74.00	-23.77	PK
V	23100	39.12	30.85	7.45	24.69	40.41	54.00	-13.59	AV
H	11550	47.85	30.55	5.77	24.66	47.73	74.00	-26.27	PK
H	11550	39.52	30.55	5.77	24.66	39.40	54.00	-14.60	AV
H	17325	46.82	30.33	6.32	24.55	47.36	74.00	-26.64	PK
H	17325	39.52	30.33	6.32	24.55	40.06	54.00	-13.94	AV
H	23100	51.75	30.85	7.45	24.69	53.04	74.00	-20.96	PK
H	23100	40.80	30.85	7.45	24.69	42.09	54.00	-11.91	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

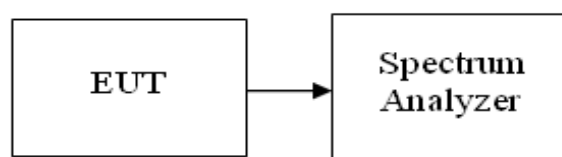
5.2 TEST PROCEDURE

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.

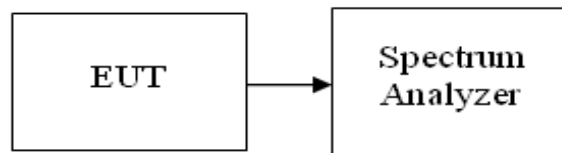
Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

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.

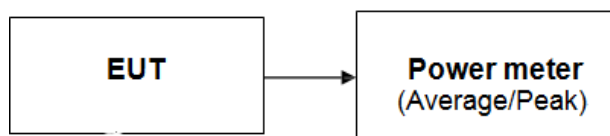
For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum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

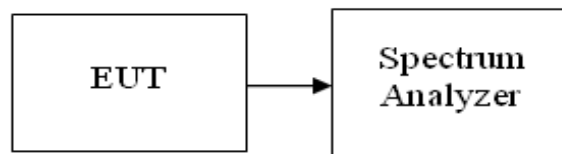
8.1 TEST PROCEDURE

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

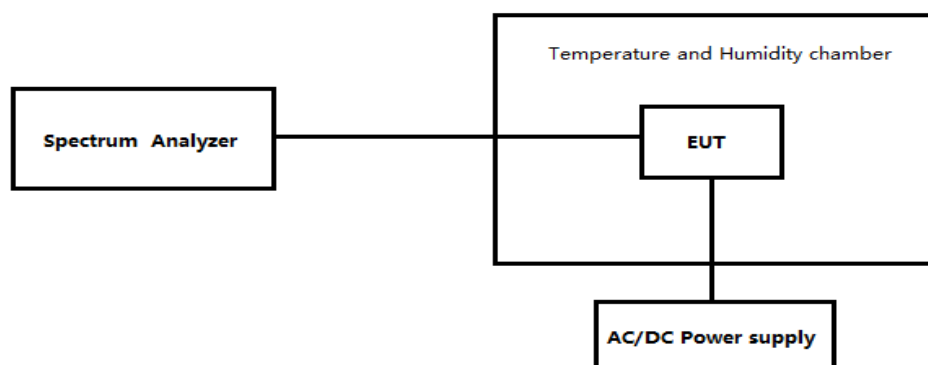
9.1 LIMIT

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- CH36

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	50	120
40	120	40	120
30	120	30	120
20	120	20	120
10	120	10	120
0	120	0	120
-10	120	-10	120
-20	120	-20	120
-30	120	-30	120

ANT1-802.11a-CH48

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	50	120
40	120	40	120
30	120	30	120
20	120	20	120
10	120	10	120
0	120	0	120
-10	120	-10	120
-20	120	-20	120
-30	120	-30	120

ANT1-802.11a-CH149

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	78	0.0137
40	120	99	0.0172
30	120	74	0.0129
20	120	77	0.0135
10	120	91	0.0158
0	120	83	0.0144
-10	120	72	0.0126
-20	120	87	0.0151
-30	120	80	0.0140

ANT1-802.11a-CH165

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	83	0.0142
40	120	72	0.0124
30	120	75	0.0129
20	120	89	0.0154
10	120	84	0.0145
0	120	77	0.0132
-10	120	86	0.0147
-20	120	73	0.0125
-30	120	77	0.0132

ANT1-802.11n20-CH36

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	85	0.0164
40	120	77	0.0149
30	120	79	0.0153
20	120	72	0.0140
10	120	87	0.0168
0	120	98	0.0190
-10	120	93	0.0180

-20	120	95	0.0183
-30	120	71	0.0138

ANT1-802.11n20-CH48

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	89	0.0170
40	120	96	0.0183
30	120	72	0.0137
20	120	74	0.0141
10	120	72	0.0138
0	120	99	0.0189
-10	120	91	0.0174
-20	120	76	0.0145
-30	120	99	0.0189

ANT1-802.11n40-CH38

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	88	0.0169
40	120	76	0.0147
30	120	88	0.0169
20	120	74	0.0143
10	120	97	0.0187
0	120	75	0.0144
-10	120	83	0.0161
-20	120	87	0.0168
-30	120	80	0.0154

ANT1-802.11n40-CH151

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	96	0.0167
40	120	81	0.0140
30	120	94	0.0163
20	120	80	0.0139
10	120	96	0.0167
0	120	93	0.0161
-10	120	94	0.0163
-20	120	86	0.0149
-30	120	82	0.0143

ANT1-802.11ac20-CH149

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	87	0.0151
40	120	95	0.0165
30	120	73	0.0126
20	120	75	0.0131

10	120	87	0.0151
0	120	94	0.0164
-10	120	76	0.0133
-20	120	79	0.0138
-30	120	87	0.0152

ANT1-802.11ac20-CH165

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	96	0.0165
40	120	76	0.0131
30	120	76	0.0130
20	120	93	0.0159
10	120	73	0.0125
0	120	70	0.0120
-10	120	91	0.0156
-20	120	70	0.0121
-30	120	77	0.0133

ANT2-802.11ac40-CH38

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	91	0.0176
40	120	81	0.0156
30	120	73	0.0141
20	120	94	0.0182
10	120	93	0.0179
0	120	82	0.0157
-10	120	86	0.0165
-20	120	81	0.0155
-30	120	74	0.0142

ANT2-802.11ac40-CH151

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	87	0.0151
40	120	99	0.0172
30	120	91	0.0158
20	120	96	0.0167
10	120	94	0.0163
0	120	80	0.0138
-10	120	96	0.0167
-20	120	75	0.0131
-30	120	94	0.0163

ANT2-802.11ac80-CH42

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		Freq.Dev(Hz)	(ppm)
50	120	92	0.0177

40	120	91	0.0174
30	120	76	0.0147
20	120	79	0.0151
10	120	90	0.0172
0	120	78	0.0150
-10	120	99	0.0190
-20	120	95	0.0181
-30	120	97	0.0187

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 FPC antenna, the best case gain of the ANT1:3.21dBi ; ANT2:4.67dBi, reference to the below photo for details



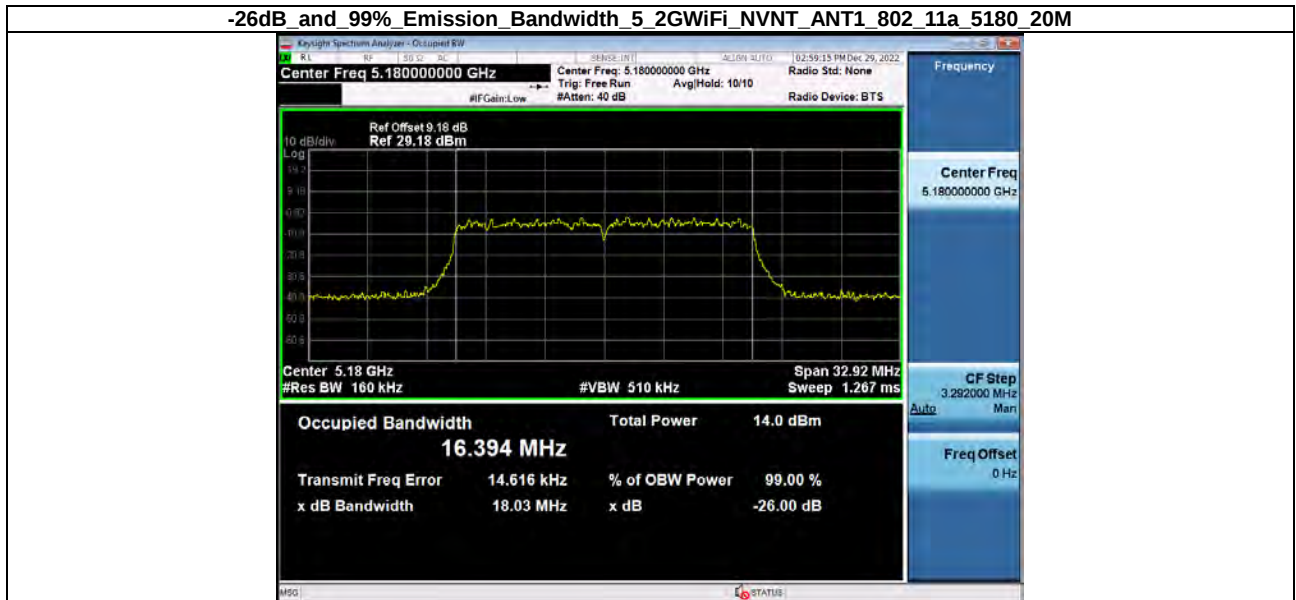
11.APPENDIX1---5.2GWIFI

1. -26dB and 99% Emission Bandwidth

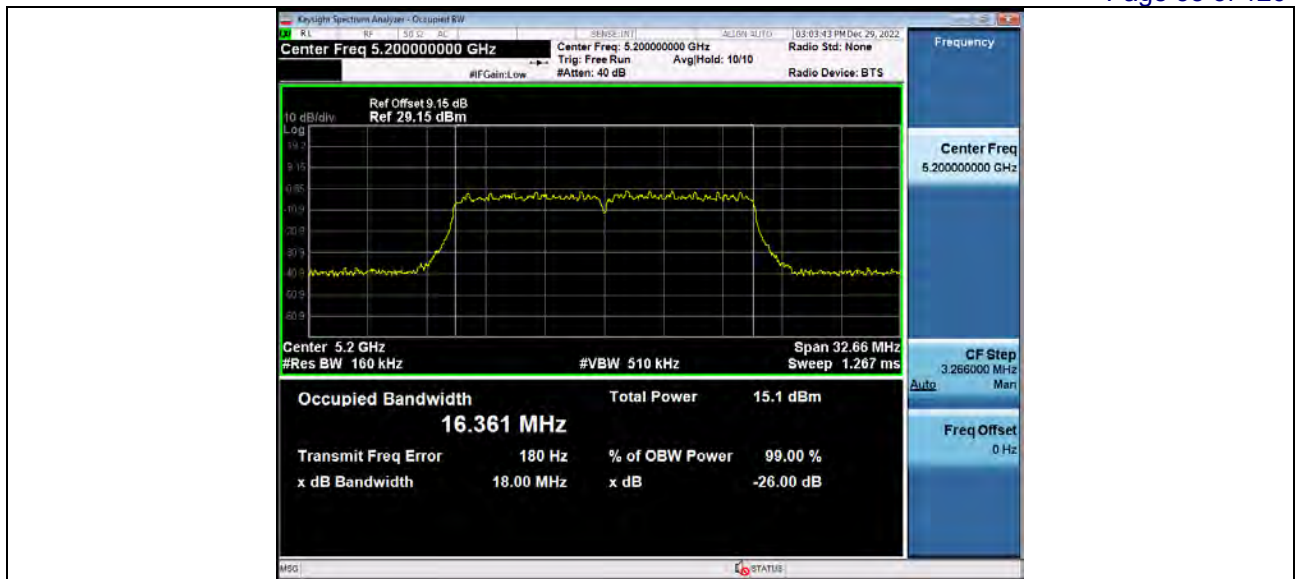
Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5180.00	18.03	16.39
NVNT	ANT1	802.11a	5200.00	18.00	16.36
NVNT	ANT1	802.11a	5240.00	18.07	16.37
NVNT	ANT1	802.11n(HT20)	5180.00	19.12	17.59
NVNT	ANT1	802.11n(HT20)	5200.00	19.19	17.55
NVNT	ANT1	802.11n(HT20)	5240.00	19.20	17.64
NVNT	ANT1	802.11ac(VHT20)	5180.00	19.22	17.64
NVNT	ANT1	802.11ac(VHT20)	5200.00	19.15	17.58
NVNT	ANT1	802.11ac(VHT20)	5240.00	18.95	17.58
NVNT	ANT1	802.11n(HT40)	5190.00	39.95	36.19
NVNT	ANT1	802.11n(HT40)	5230.00	39.88	36.04
NVNT	ANT1	802.11ac(VHT40)	5190.00	40.11	36.10
NVNT	ANT1	802.11ac(VHT40)	5230.00	40.21	36.17
NVNT	ANT1	802.11ac(VHT80)	5210.00	80.37	75.21

Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT2	802.11a	5180	17.92	16.35
NVNT	ANT2	802.11a	5200	18.26	16.37
NVNT	ANT2	802.11a	5240	17.98	16.39
NVNT	ANT2	802.11n(HT20)	5180	19.19	17.56
NVNT	ANT2	802.11n(HT20)	5200	19.09	17.60
NVNT	ANT2	802.11n(HT20)	5240	19.07	17.59
NVNT	ANT2	802.11ac(VHT20)	5180	19.15	17.55
NVNT	ANT2	802.11ac(VHT20)	5200	19.06	17.58
NVNT	ANT2	802.11ac(VHT20)	5240	19.19	17.59
NVNT	ANT2	802.11n(HT40)	5190	40.08	36.05
NVNT	ANT2	802.11n(HT40)	5230	40.14	36.15
NVNT	ANT2	802.11ac(VHT40)	5190	40.29	36.12
NVNT	ANT2	802.11ac(VHT40)	5230	39.61	36.16
NVNT	ANT2	802.11ac(VHT80)	5210	82.46	75.17

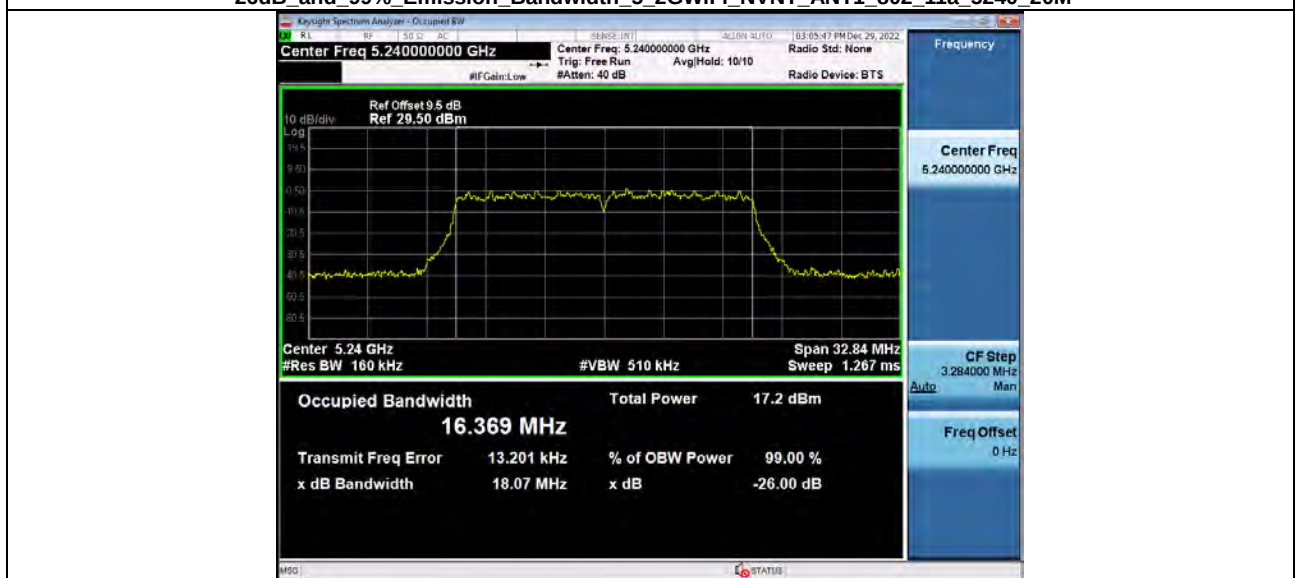
-26dB and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT1_802_11a_5180_20M



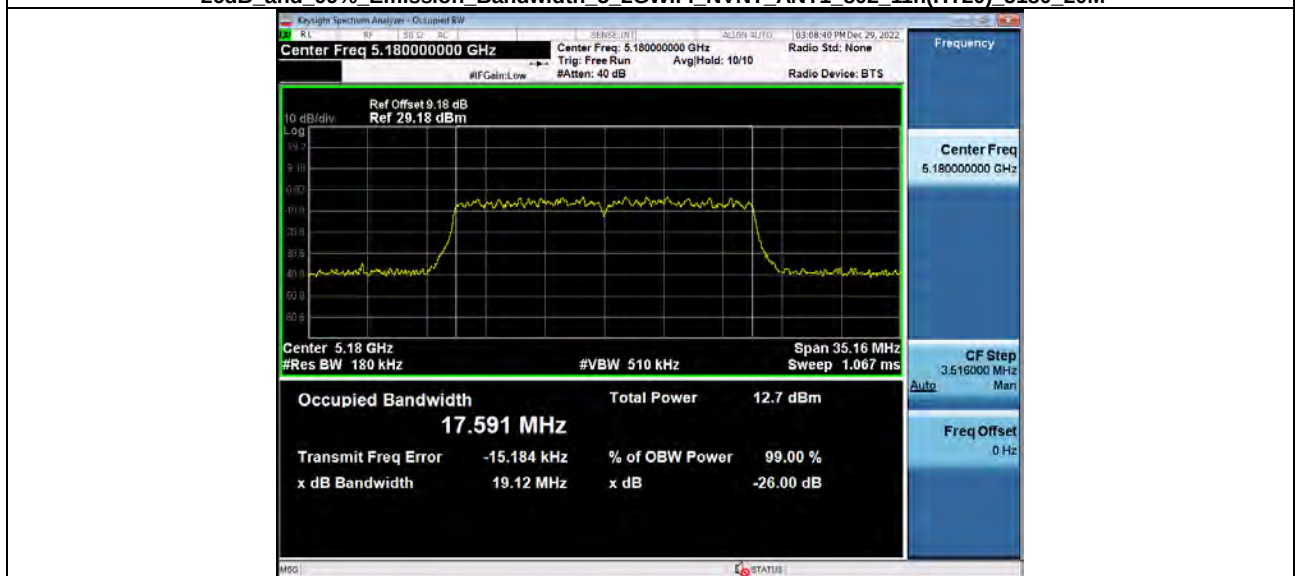
-26dB and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT1_802_11a_5200_20M



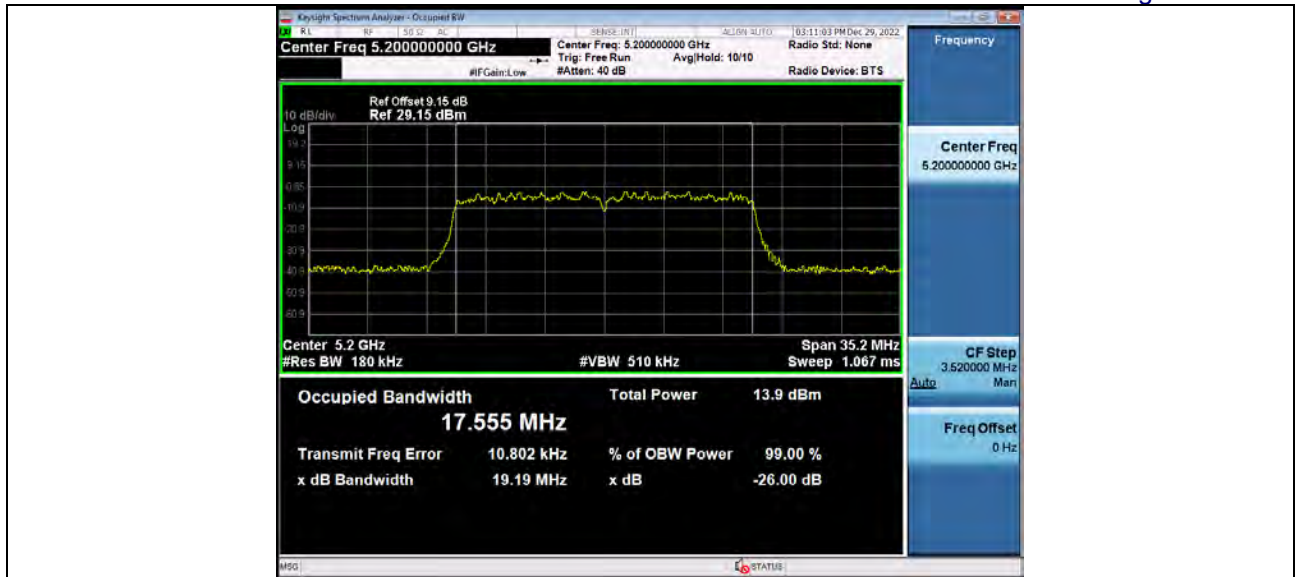
-26dB and 99% Emission Bandwidth 5_2GWiFi_NVNT_ANT1_802_11a_5240_20M



-26dB and 99% Emission Bandwidth 5_2GWiFi_NVNT_ANT1_802_11n(HT20)_5180_20M



-26dB and 99% Emission Bandwidth 5_2GWiFi_NVNT_ANT1_802_11n(HT20)_5200_20M



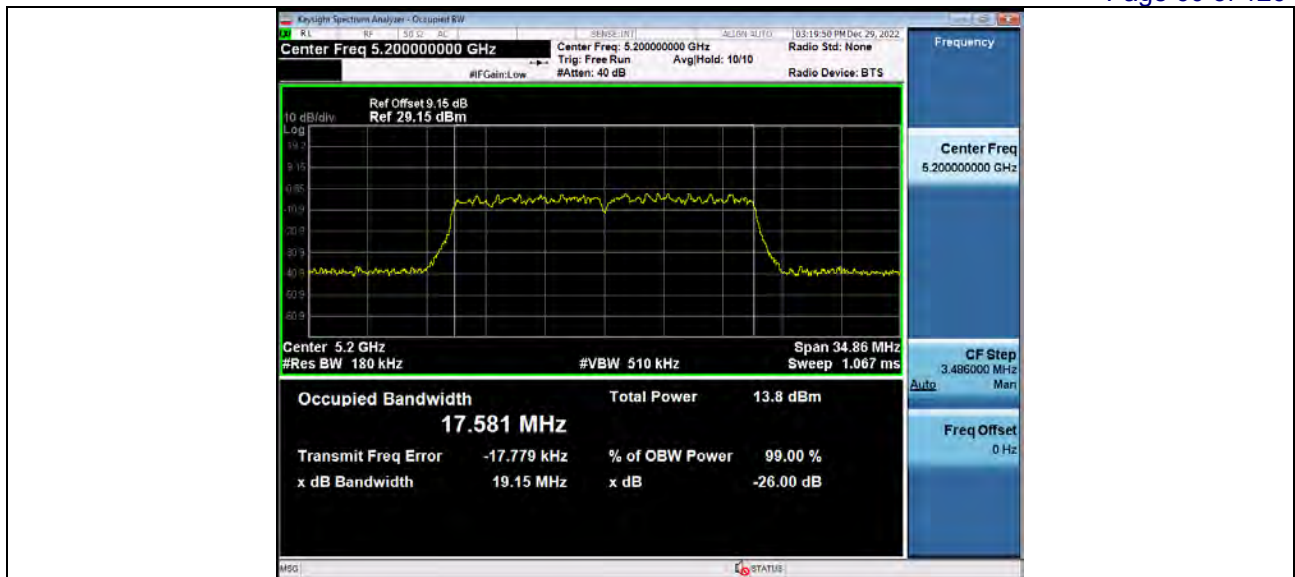
-26dB and 99% Emission Bandwidth 5_2GWiFi_NVNT_ANT1_802_11n(HT20)_5240_20M



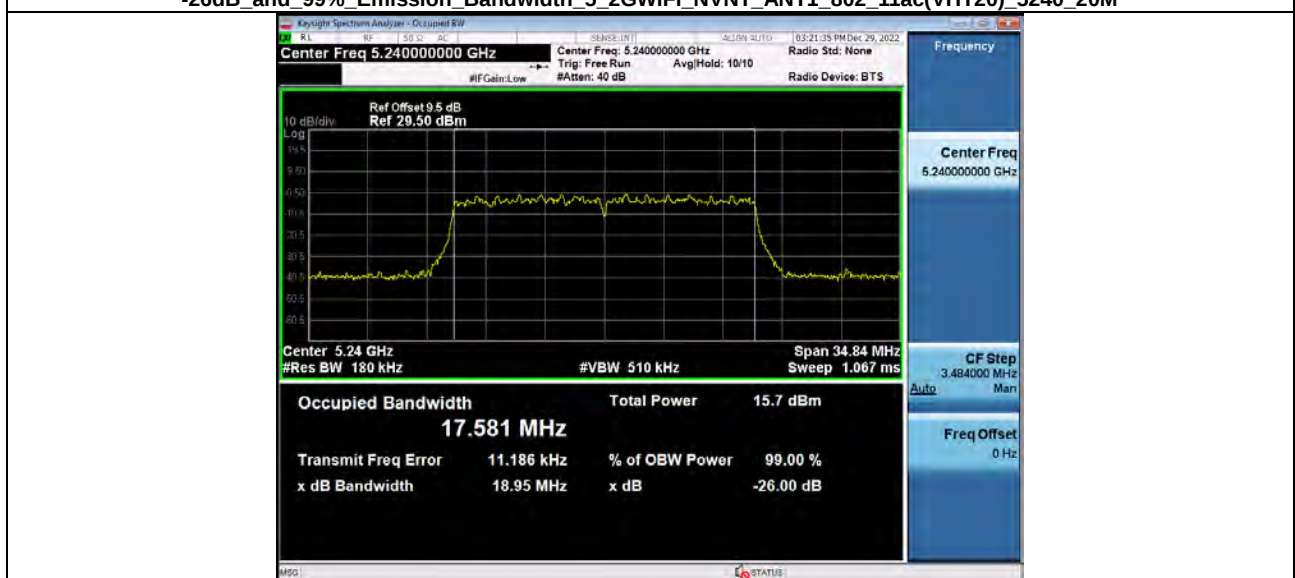
-26dB and 99% Emission Bandwidth 5_2GWiFi_NVNT_ANT1_802_11ac(VHT20)_5180_20M



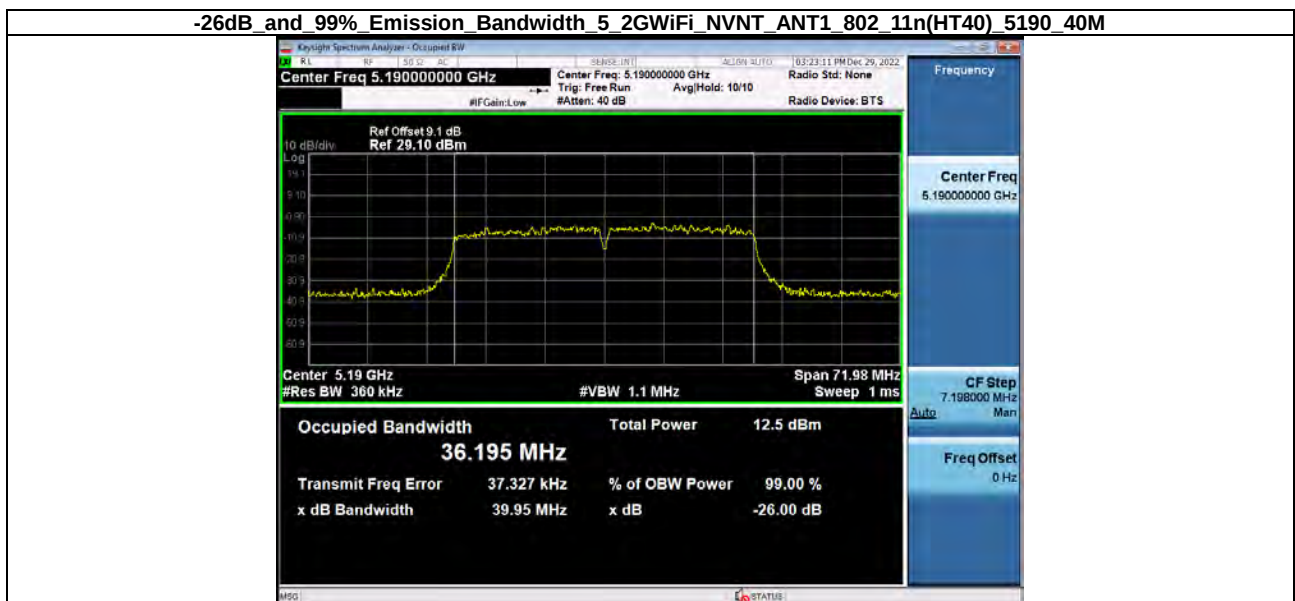
-26dB and 99% Emission Bandwidth 5_2GWiFi_NVNT_ANT1_802_11ac(VHT20)_5200_20M



-26dB and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT1_802_11ac(VHT20)_5240_20M



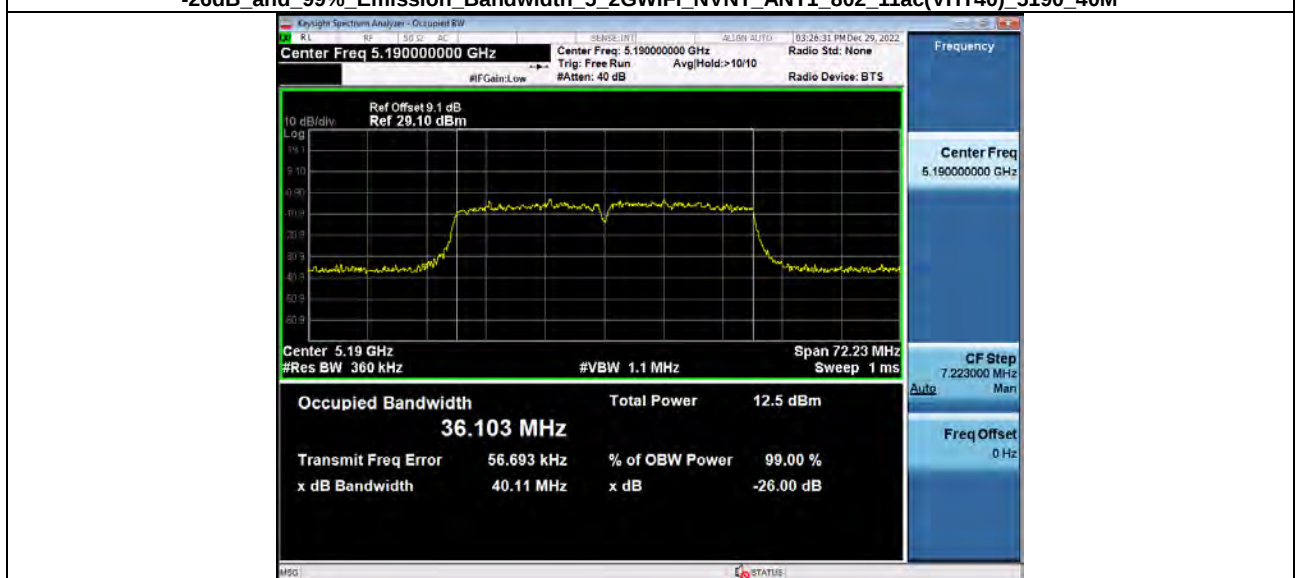
-26dB and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT1_802_11n(HT40)_5190_40M



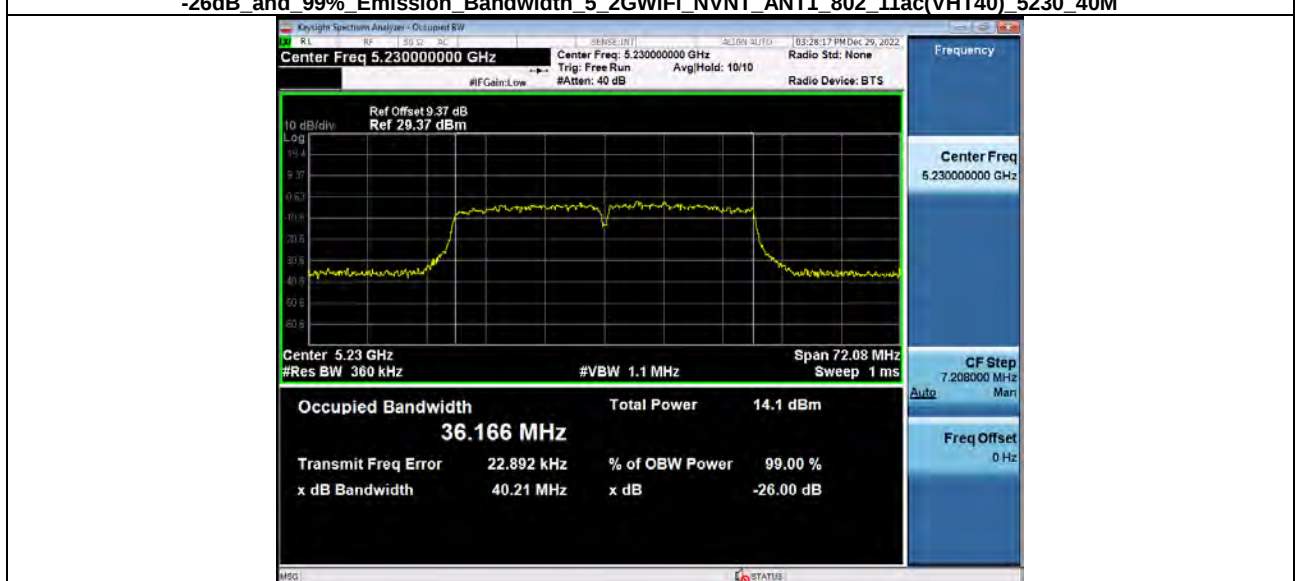
-26dB and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT1_802_11n(HT40)_5230_40M



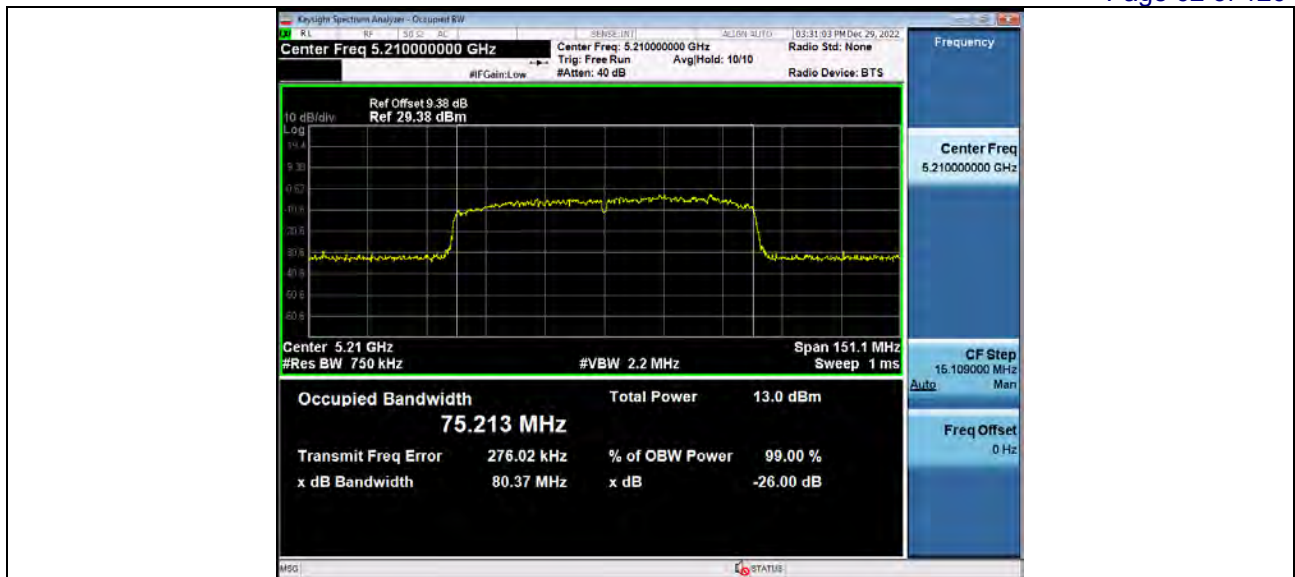
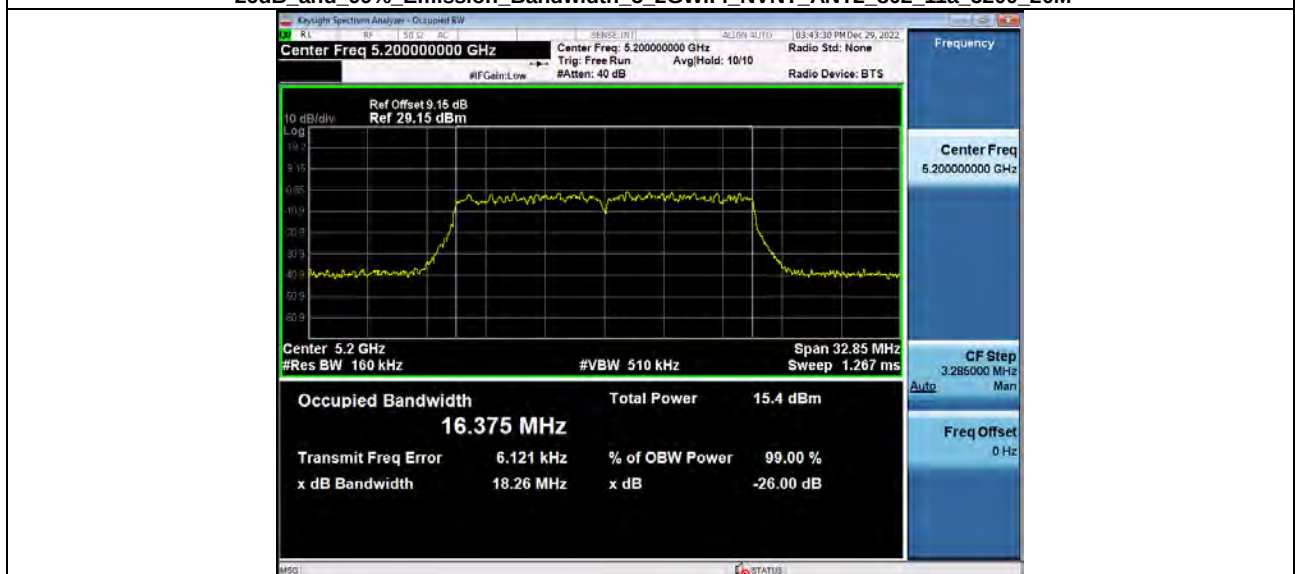
-26dB and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT1_802_11ac(VHT40)_5190_40M

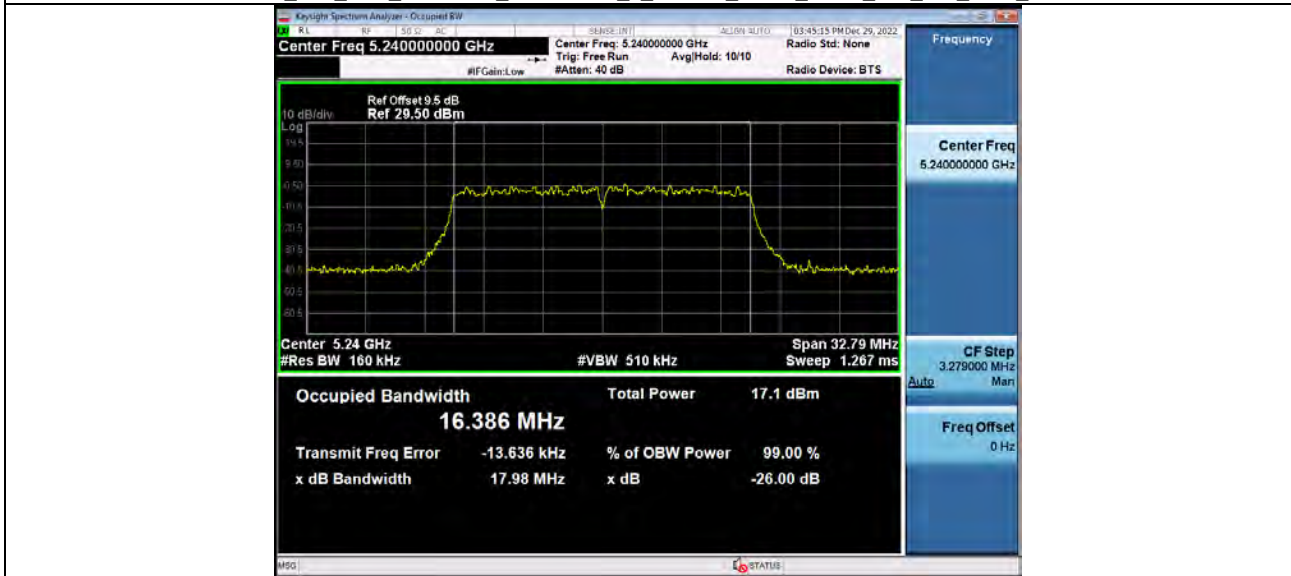
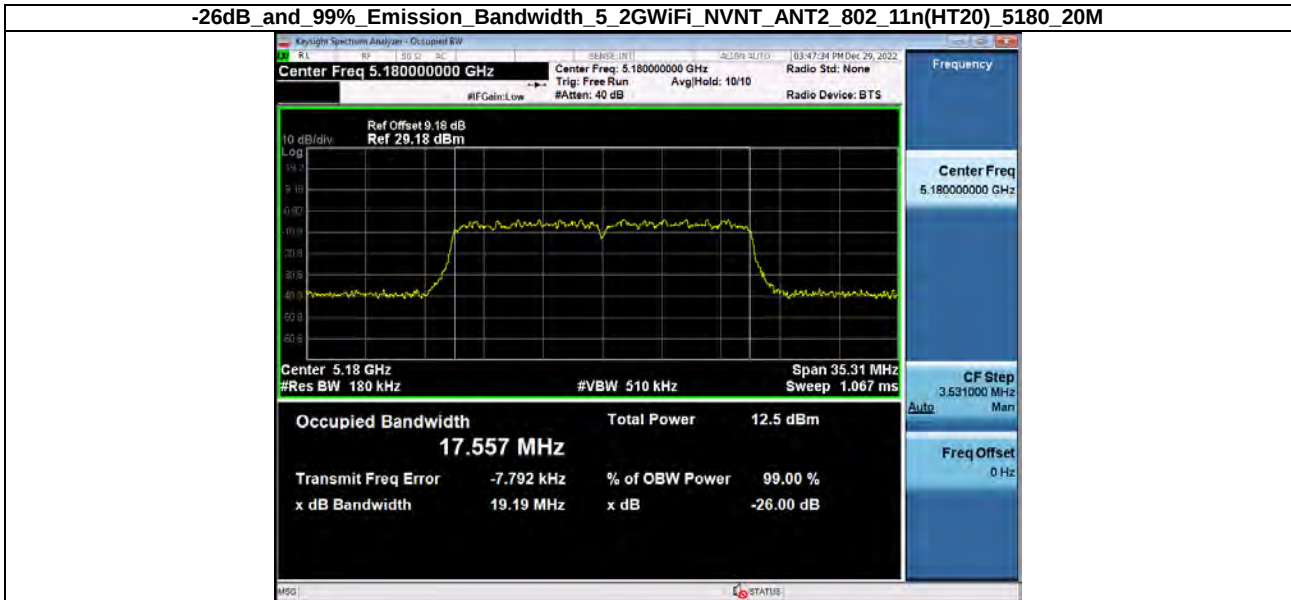
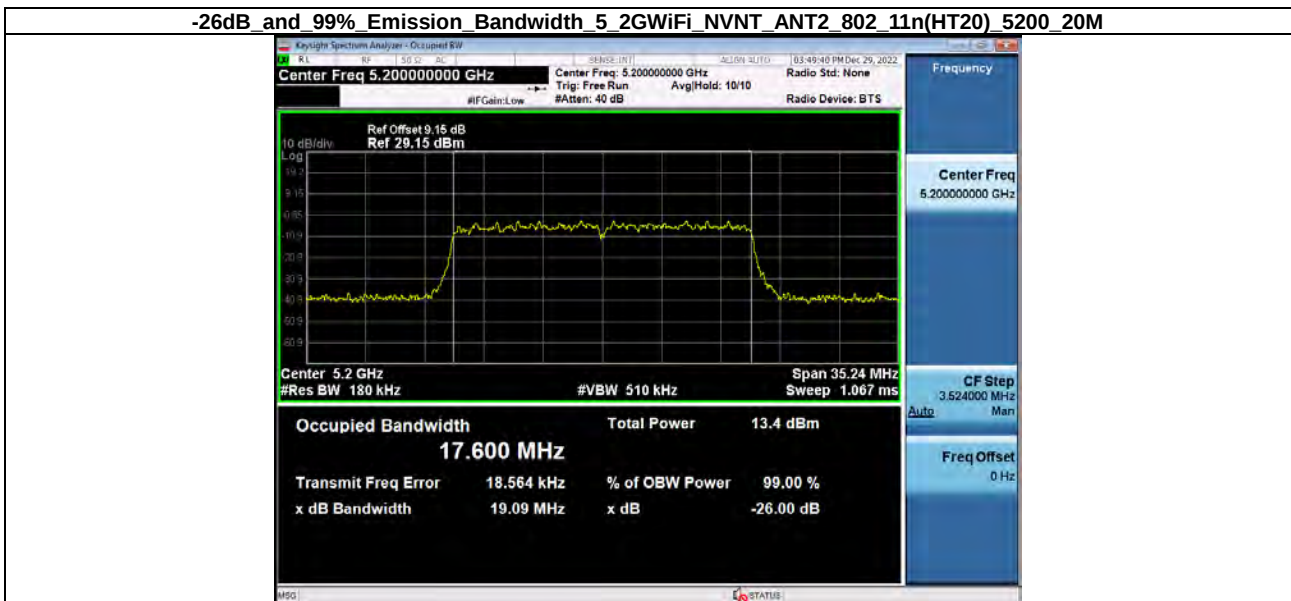


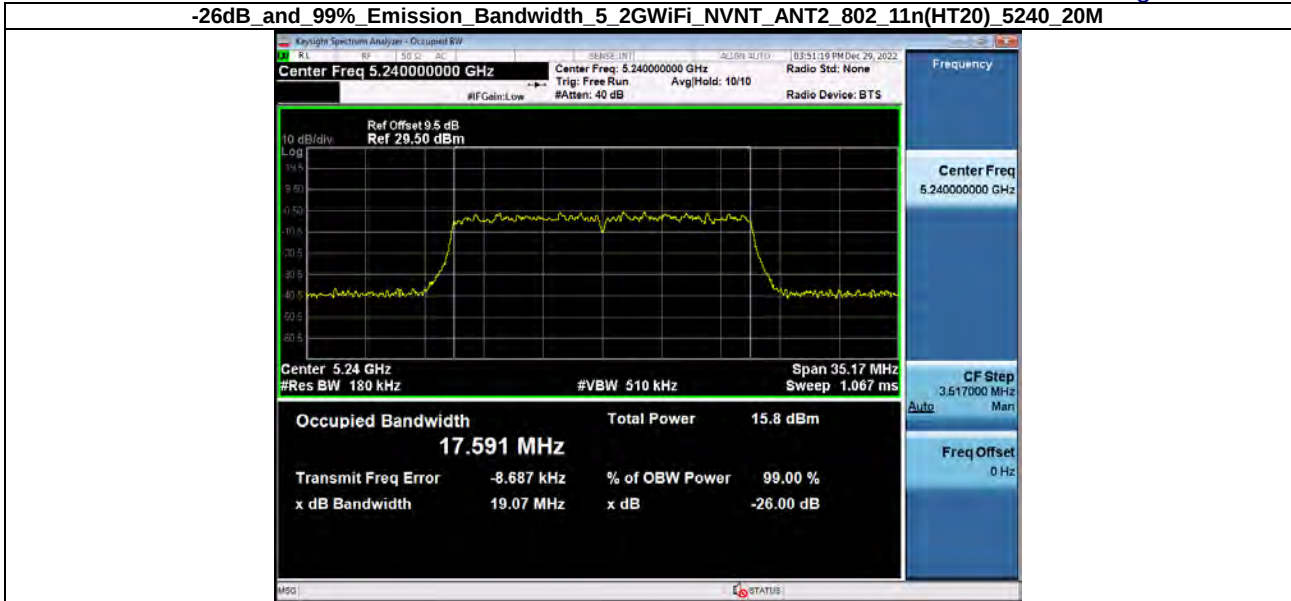
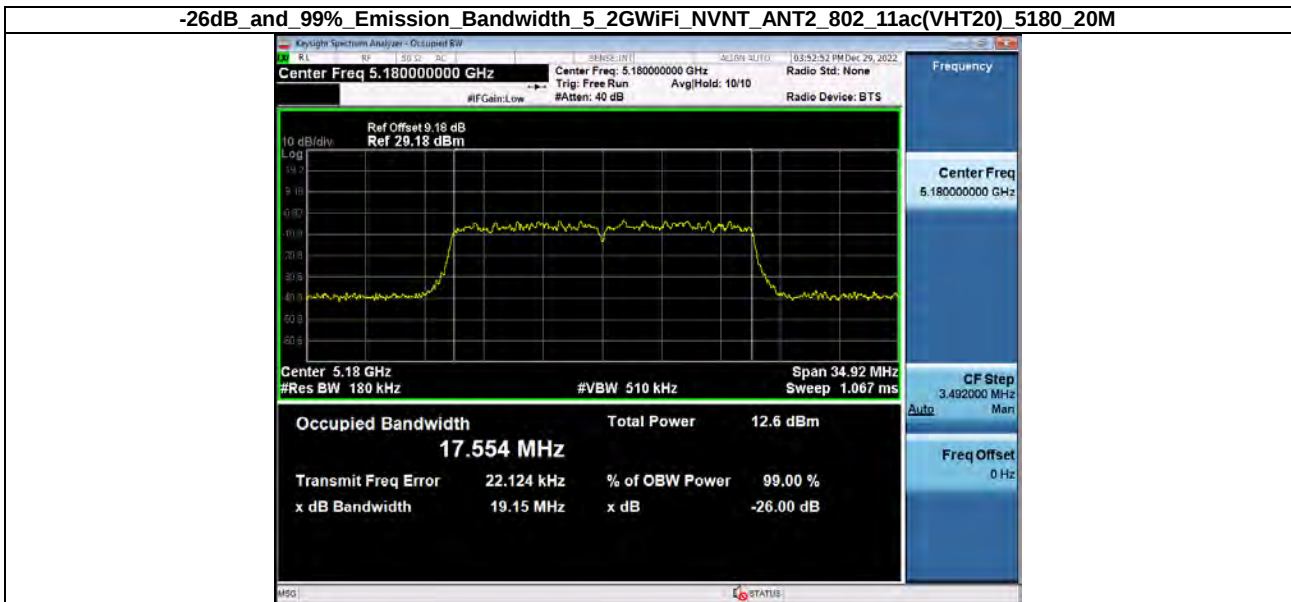
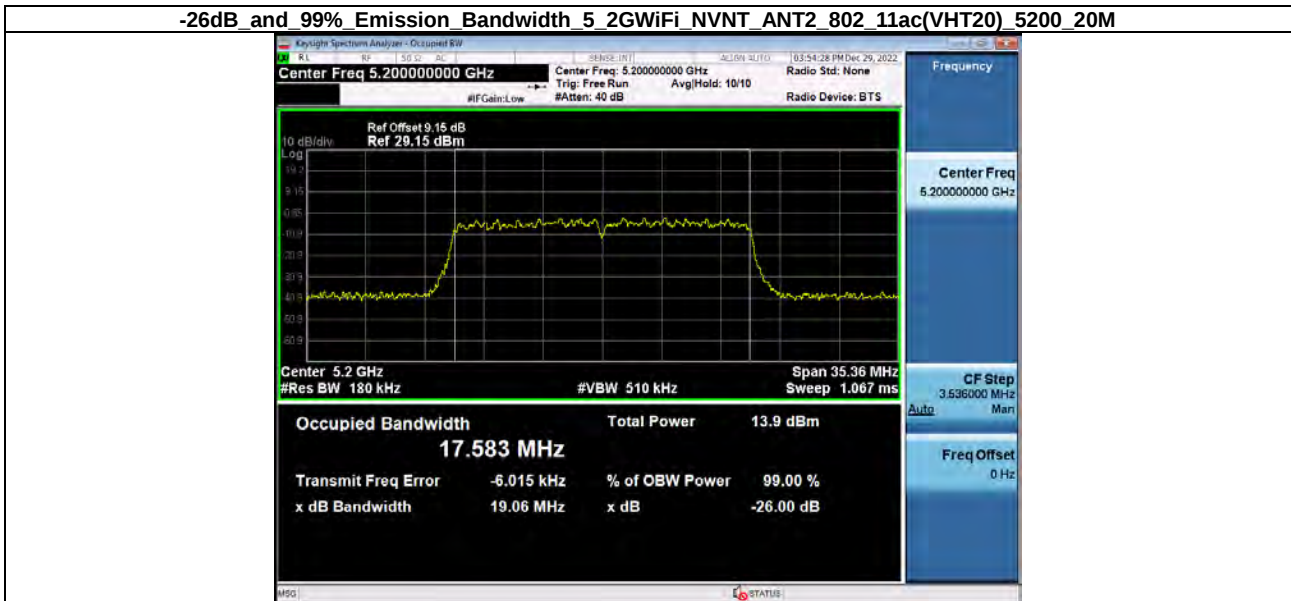
-26dB and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT1_802_11ac(VHT40)_5230_40M

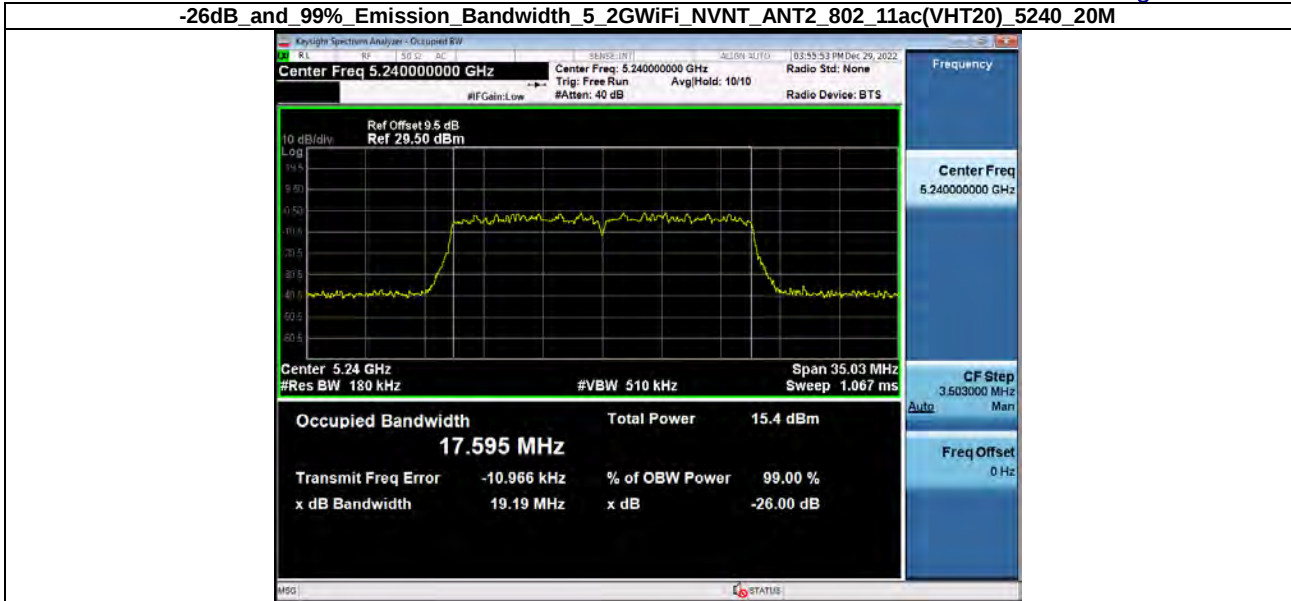
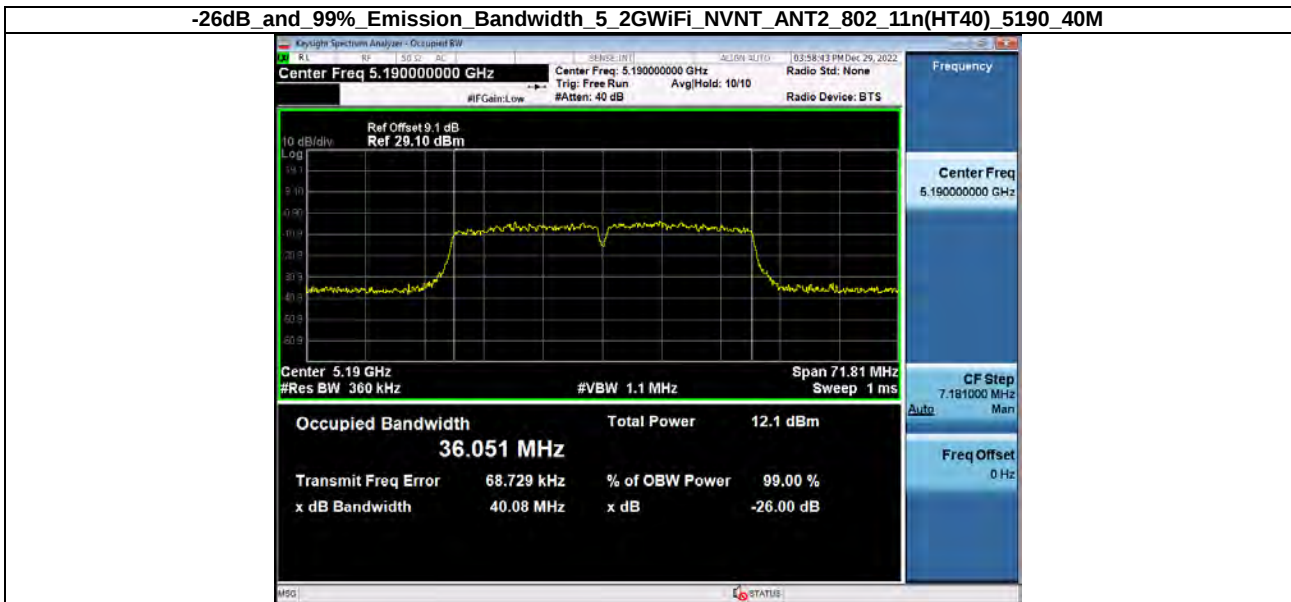
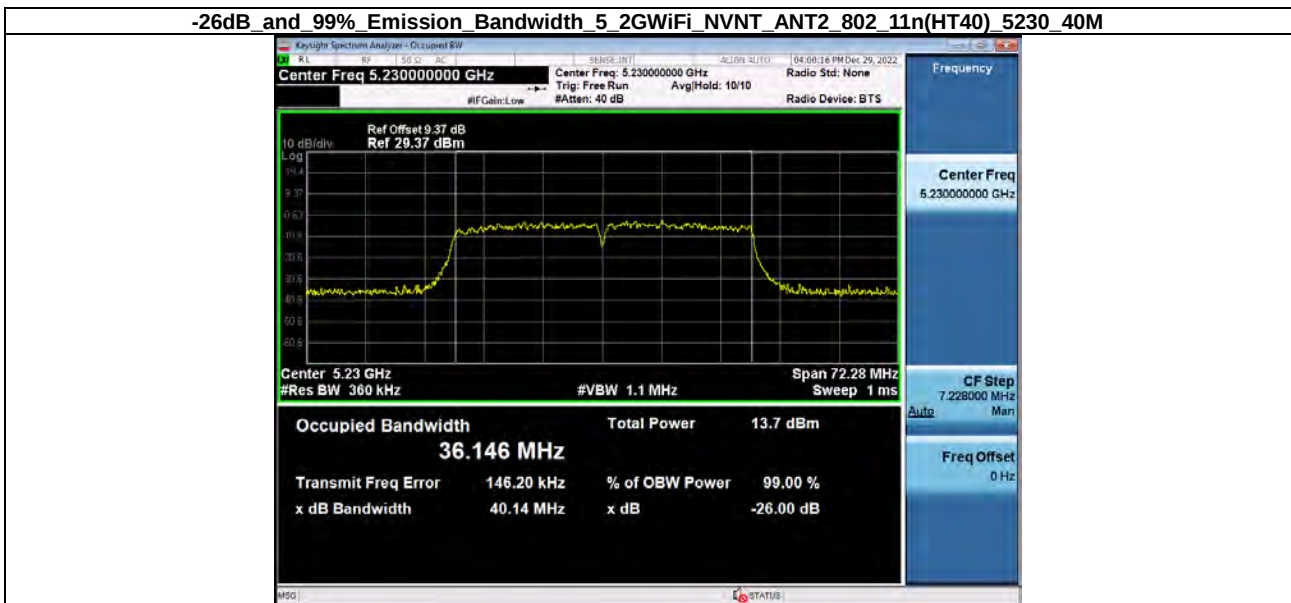


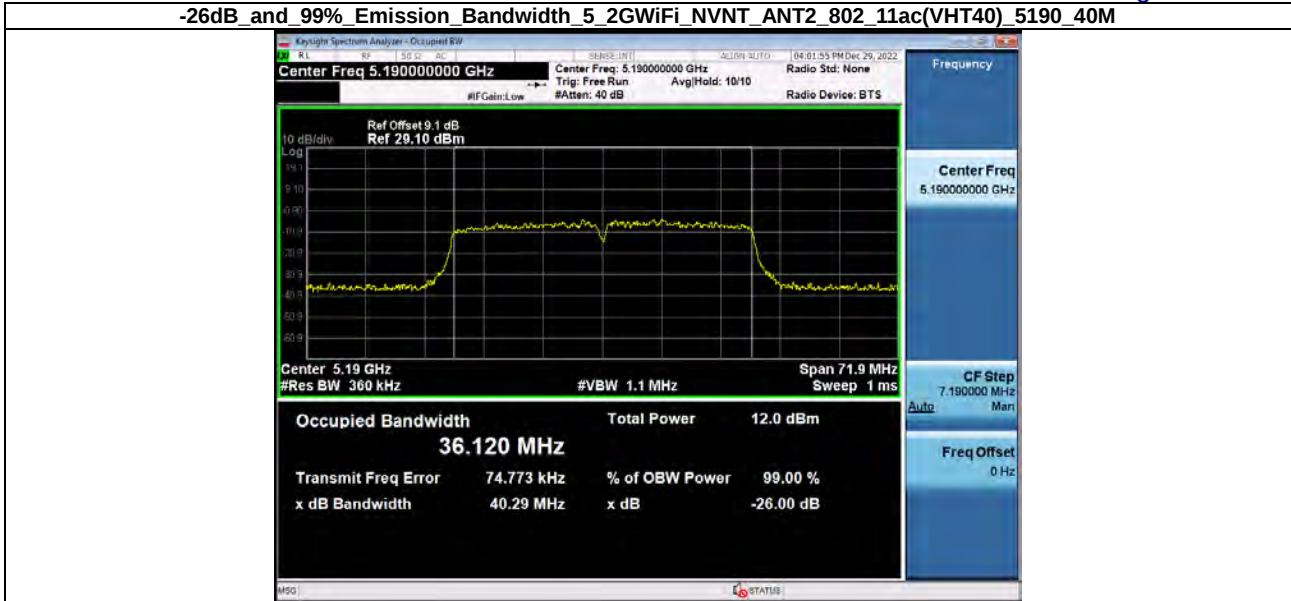
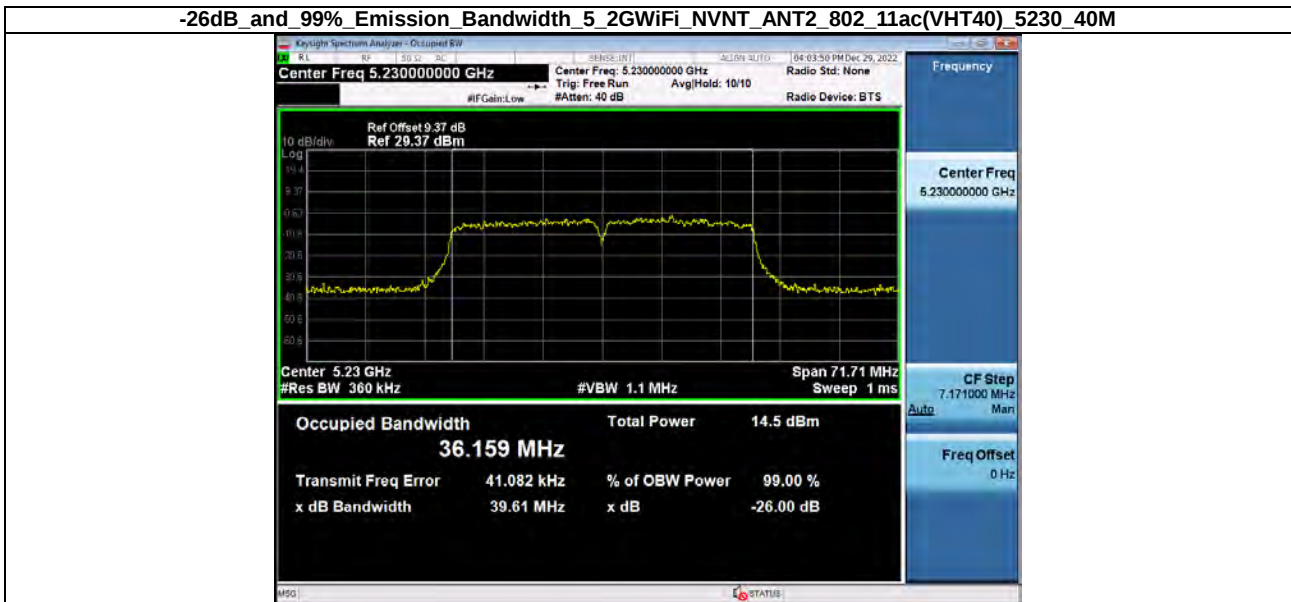
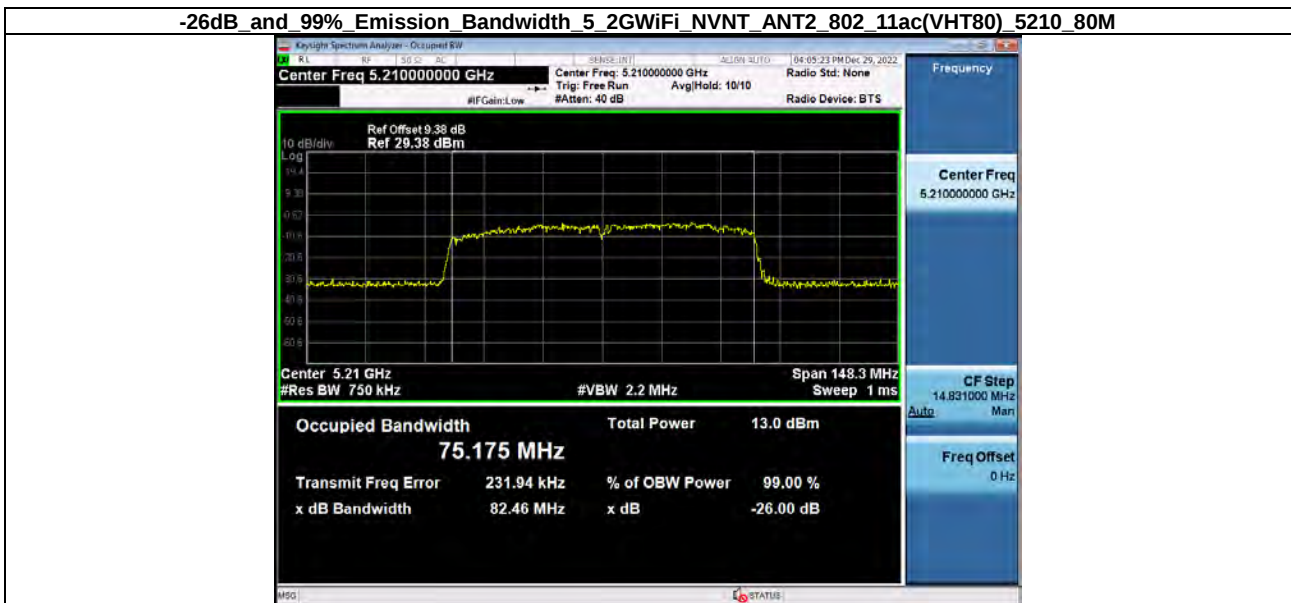
-26dB and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT1_802_11ac(VHT80)_5210_80M

**-26dB and 99% Emission Bandwidth 5_2GWiFi_NVNT_ANT2_802_11a_5180_20M****-26dB and 99% Emission Bandwidth 5_2GWiFi_NVNT_ANT2_802_11a_5200_20M**

-26dB and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT2_802_11a_5240_20M**-26dB and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT2_802_11n(HT20)_5180_20M****-26dB and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT2_802_11n(HT20)_5200_20M**

-26dB and 99% Emission Bandwidth 5 2GWiFi NVNT ANT2 802 11n(HT20) 5240 20M**-26dB and 99% Emission Bandwidth 5 2GWiFi NVNT ANT2 802 11ac(VHT20) 5180 20M****-26dB and 99% Emission Bandwidth 5 2GWiFi NVNT ANT2 802 11ac(VHT20) 5200 20M**

-26dB and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT2_802_11ac(VHT20)_5240_20M**-26dB and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT2_802_11n(HT40)_5190_40M****-26dB and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT2_802_11n(HT40)_5230_40M**

-26dB_ and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT2_802_11ac(VHT40)_5190_40M**-26dB_ and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT2_802_11ac(VHT40)_5230_40M****-26dB_ and 99% Emission Bandwidth 5 2GWiFi_NVNT_ANT2_802_11ac(VHT80)_5210_80M**

2. Maximum Conducted Output Power

Condition	Modulation	Frequency (MHz)	Conducted Power(dBm)		limit(dBm)	Conducted Power(dBm) MIMO	MIMO limit(dBm)	Result
			ANT1	ANT2				
NVNT	802.11a	5180.00	13.31	13.57	23.98	/	/	Pass
NVNT	802.11a	5200.00	13.55	13.58	23.98	/	/	Pass
NVNT	802.11a	5240.00	15.49	15.63	23.98	/	/	Pass
NVNT	802.11n(HT20)	5180.00	11.17	11.51	23.98	14.35	22.95	Pass
NVNT	802.11n(HT20)	5200.00	12.52	12.45	23.98	15.50	22.95	Pass
NVNT	802.11n(HT20)	5240.00	13.85	13.90	23.98	16.89	22.95	Pass
NVNT	802.11ac(VHT20)	5180.00	11.05	11.24	23.98	14.16	22.95	Pass
NVNT	802.11ac(VHT20)	5200.00	12.20	12.11	23.98	15.17	22.95	Pass
NVNT	802.11ac(VHT20)	5240.00	14.19	14.02	23.98	17.12	22.95	Pass
NVNT	802.11n(HT40)	5190.00	11.12	11.18	23.98	14.16	22.95	Pass
NVNT	802.11n(HT40)	5230.00	13.01	13.02	23.98	16.03	22.95	Pass
NVNT	802.11ac(VHT40)	5190.00	11.12	11.07	23.98	14.11	22.95	Pass
NVNT	802.11ac(VHT40)	5230.00	12.94	12.94	23.98	15.95	22.95	Pass
NVNT	802.11ac(VHT80)	5210.00	10.42	10.54	23.98	13.49	22.95	Pass

Note: MMO limit=limit-(MIMO gain-6)=23.98-(7.03-6)= 22.95dBm

3. Power Spectral Density

Condition	Modulation	Frequency (MHz)	PSD(dBm/MHz)		Limit (dBm/MHz)	MIMO PSD (dBm/MHz)	MIMO PSD limit (dBm/MHz)	Result
			ANT1	ANT2				
NVNT	802.11a	5180.00	2.091	2.954	11.00	/	/	Pass
NVNT	802.11a	5200.00	3.485	5.279	11.00	/	/	Pass
NVNT	802.11a	5240.00	5.677	6.346	11.00	/	/	Pass
NVNT	802.11n(HT20)	5180.00	0.849	1.284	11.00	4.08	9.97	Pass
NVNT	802.11n(HT20)	5200.00	2.321	2.578	11.00	5.46	9.97	Pass
NVNT	802.11n(HT20)	5240.00	3.299	3.734	11.00	6.53	9.97	Pass
NVNT	802.11ac(VHT20)	5180.00	0.789	0.567	11.00	3.69	9.97	Pass
NVNT	802.11ac(VHT20)	5200.00	1.472	2.035	11.00	4.77	9.97	Pass
NVNT	802.11ac(VHT20)	5240.00	3.043	3.190	11.00	6.13	9.97	Pass
NVNT	802.11n(HT40)	5190.00	-1.723	-1.908	11.00	1.20	9.97	Pass
NVNT	802.11n(HT40)	5230.00	0.978	-0.229	11.00	3.43	9.97	Pass
NVNT	802.11ac(VHT40)	5190.00	-0.924	-2.000	11.00	1.58	9.97	Pass
NVNT	802.11ac(VHT40)	5230.00	0.006	0.390	11.00	3.21	9.97	Pass
NVNT	802.11ac(VHT80)	5210.00	-3.559	-4.686	11.00	-1.08	9.97	Pass

Note: MMO limit=limit-(MIMO gain-6)=11-(7.03-6)=9.97dBm/MHz

ANT1



Power Spectral Density 5_2GWiFi 802_11a 5240_20M



Power Spectral Density 5_2GWiFi 802_11n(HT20) 5180_20M



Power Spectral Density 5_2GWiFi 802_11n(HT20) 5200_20M



Power Spectral Density 5_2GWiFi_802_11n(HT20)_5240_20M



Power Spectral Density 5_2GWiFi_802_11ac(VHT20)_5180_20M



Power Spectral Density 5_2GWiFi_802_11ac(VHT20)_5200_20M



Power Spectral Density 5_2GWiFi_802_11ac(VHT20)_5240_20M



Power Spectral Density 5_2GWiFi_802_11n(HT40)_5190_40M



Power Spectral Density 5_2GWiFi_802_11n(HT40)_5230_40M



Power Spectral Density 5 2GWiFi 802 11ac(VHT40) 5190_40M



Power Spectral Density 5 2GWiFi 802 11ac(VHT40) 5230_40M



Power Spectral Density 5 2GWiFi 802 11ac(VHT80) 5210_80M



ANT2

Power Spectral Density 5_2GWiFi 802_11a 5180_20M



Power Spectral Density 5_2GWiFi 802_11a 5200_20M



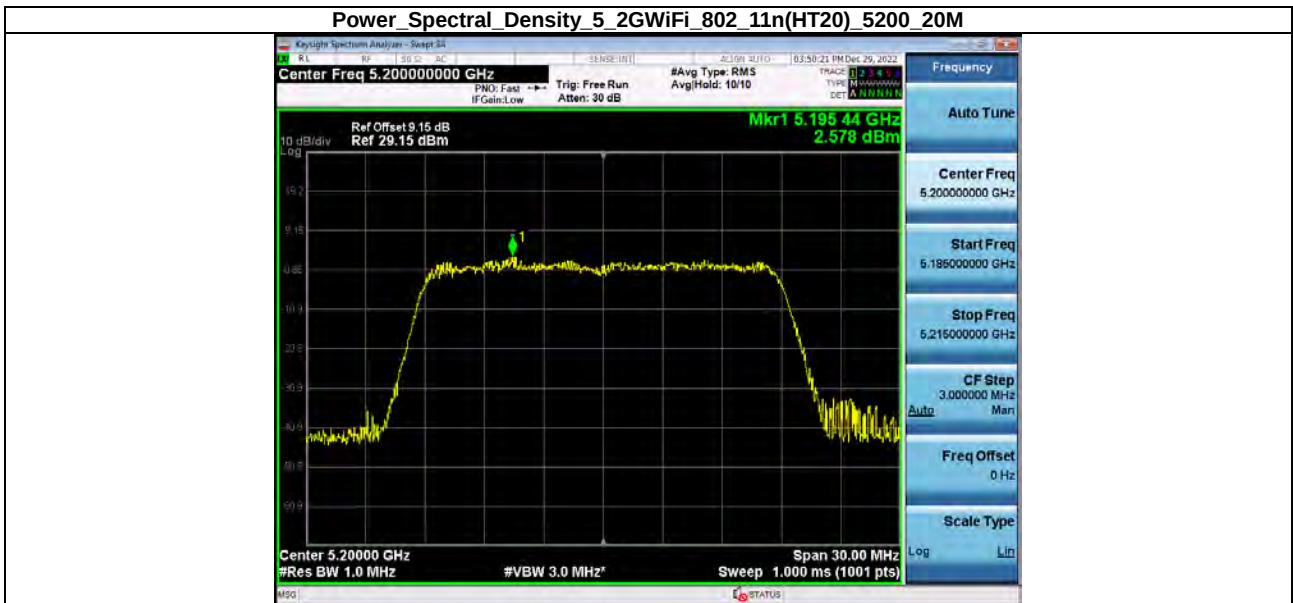
Power Spectral Density 5_2GWiFi 802_11a 5240_20M



Power Spectral Density 5_2GWiFi 802_11n(HT20) 5180_20M



Power Spectral Density 5_2GWiFi 802_11n(HT20) 5200_20M



Power Spectral Density 5_2GWiFi 802_11n(HT20) 5240_20M



Power_Spectral_Density_5_2GWiFi_802_11ac(VHT20)_5180_20M



Power_Spectral_Density_5_2GWiFi_802_11ac(VHT20)_5200_20M



Power_Spectral_Density_5_2GWiFi_802_11ac(VHT20)_5240_20M



Power_Spectral_Density_5_2GWiFi_802_11n(HT40)_5190_40M



Power_Spectral_Density_5_2GWiFi_802_11n(HT40)_5230_40M



Power_Spectral_Density_5_2GWiFi_802_11ac(VHT40)_5190_40M



Power_Spectral_Density_5_2GWiFi_802_11ac(VHT40)_5230_40M



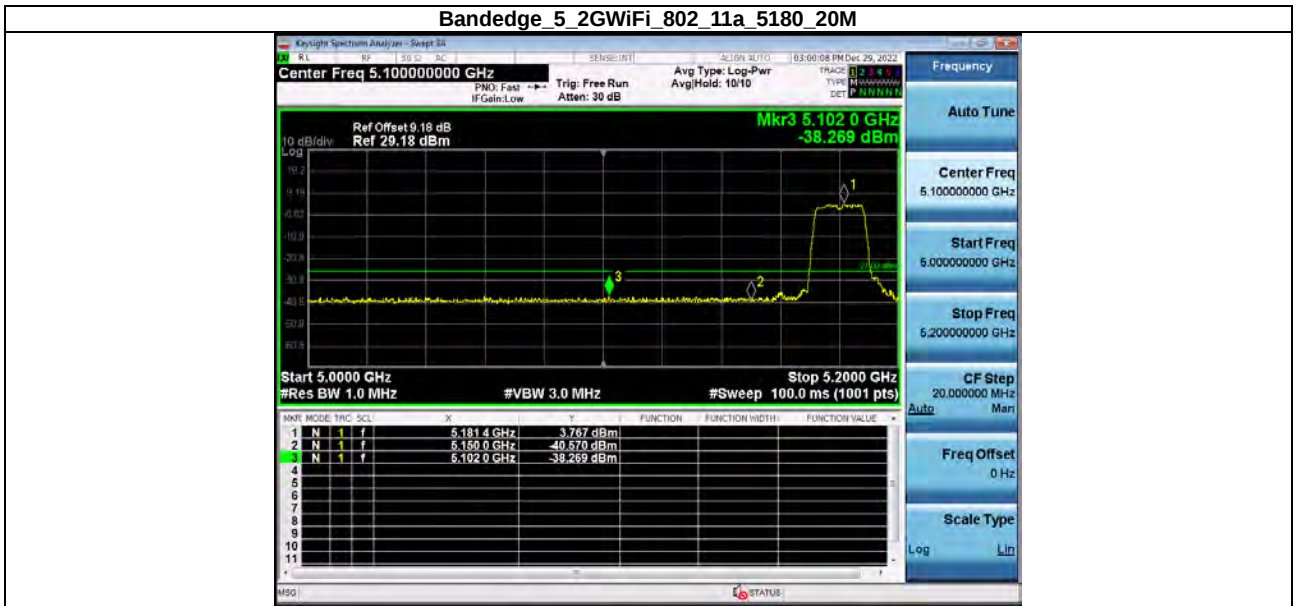
Power_Spectral_Density_5_2GWiFi_802_11ac(VHT80)_5210_80M



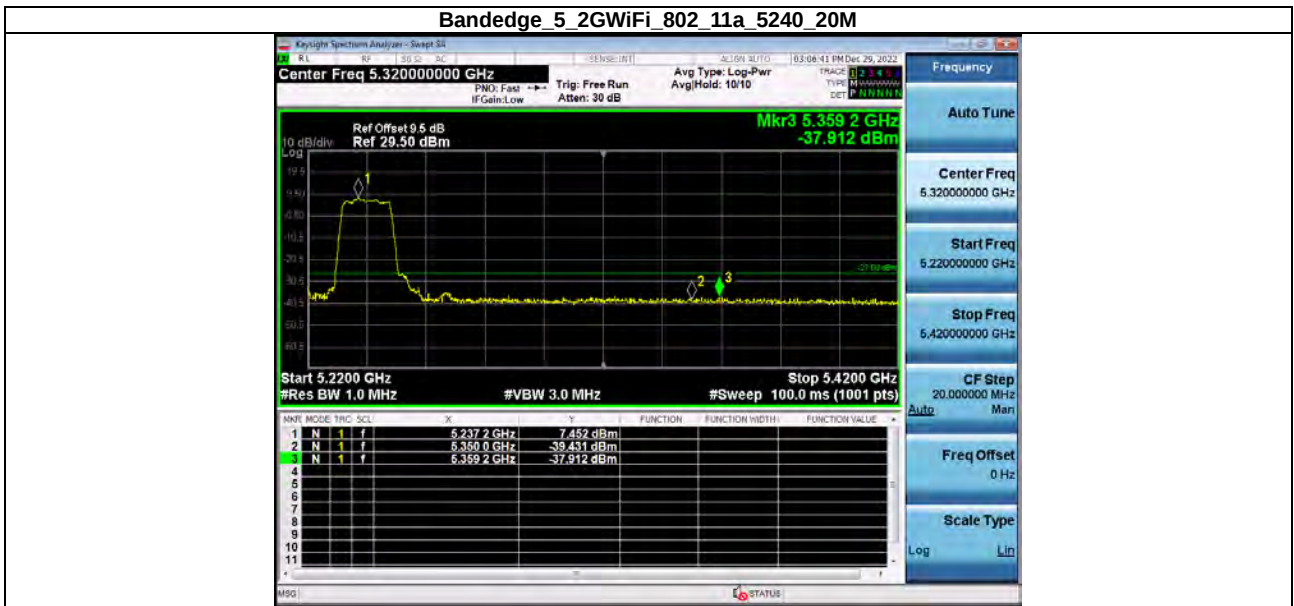
4. Bandedge

ANT1

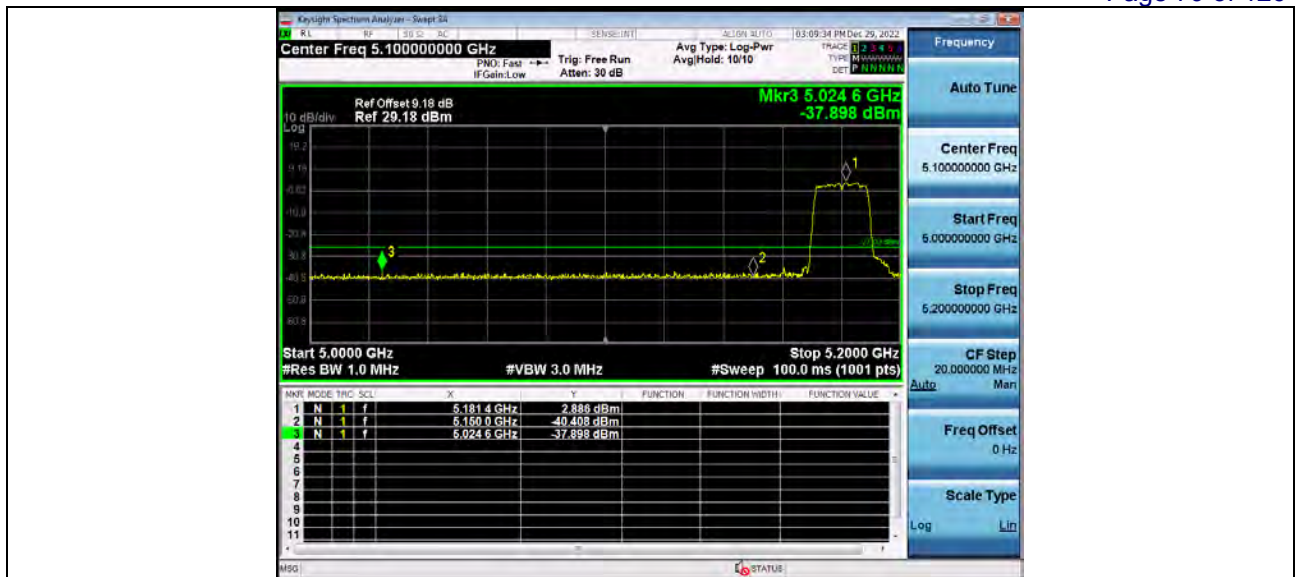
Bandedge_5_2GWiFi_802_11a_5180_20M



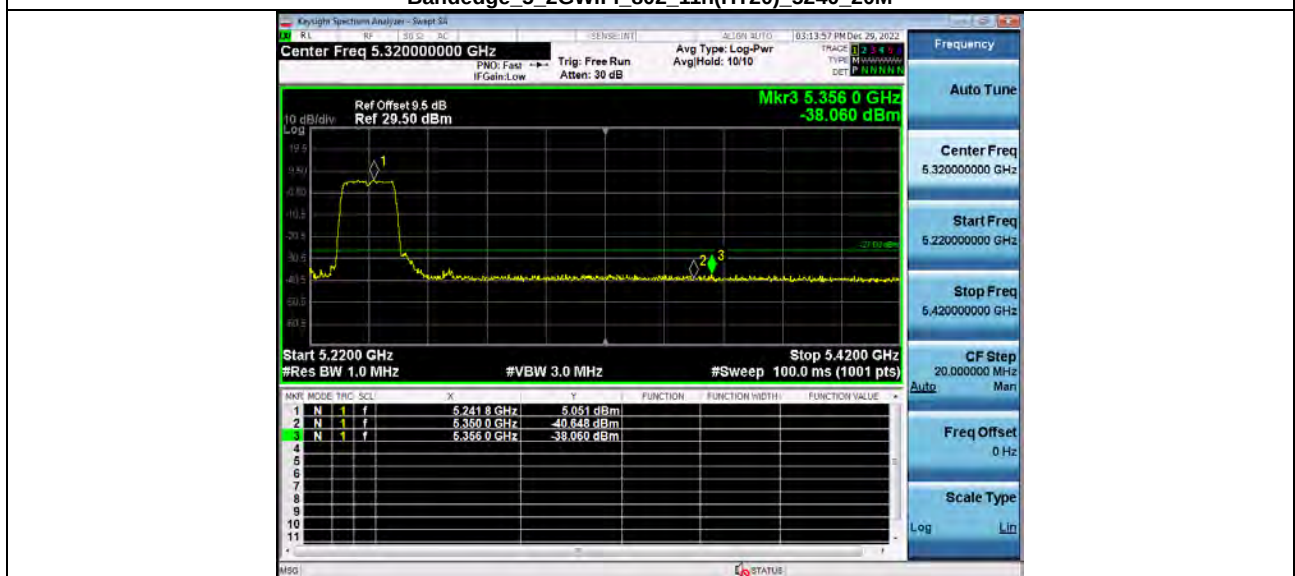
Bandedge_5_2GWiFi_802_11a_5240_20M



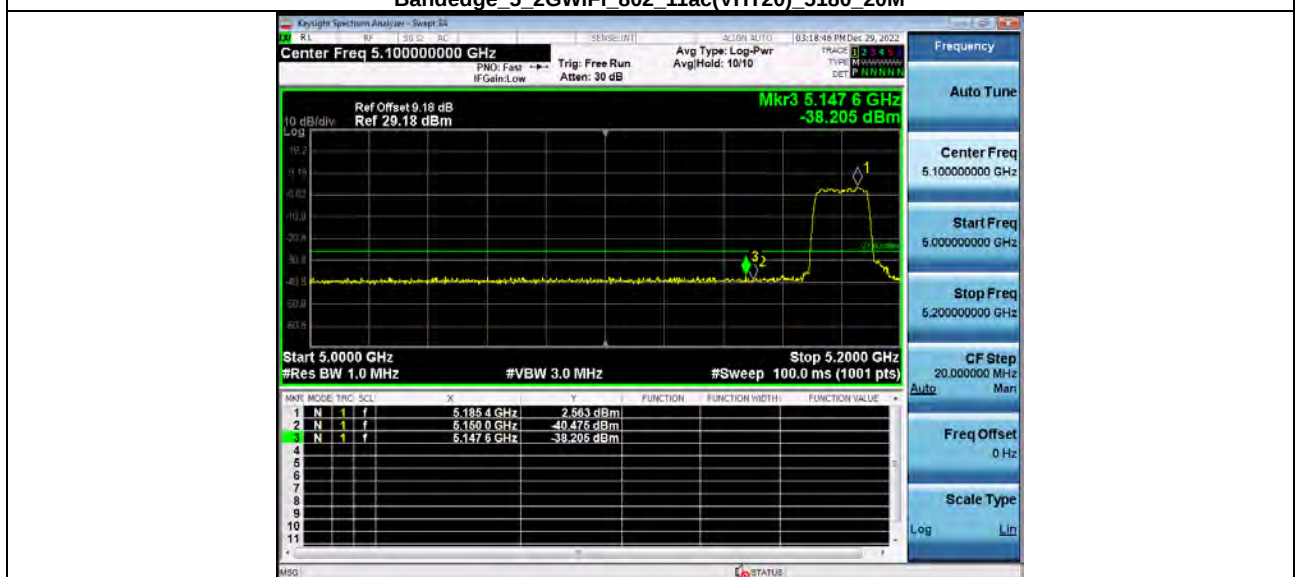
Bandedge_5_2GWiFi_802_11n(HT20)_5180_20M



Bandedge_5_2GWiFi_802_11n(HT20)_5240_20M



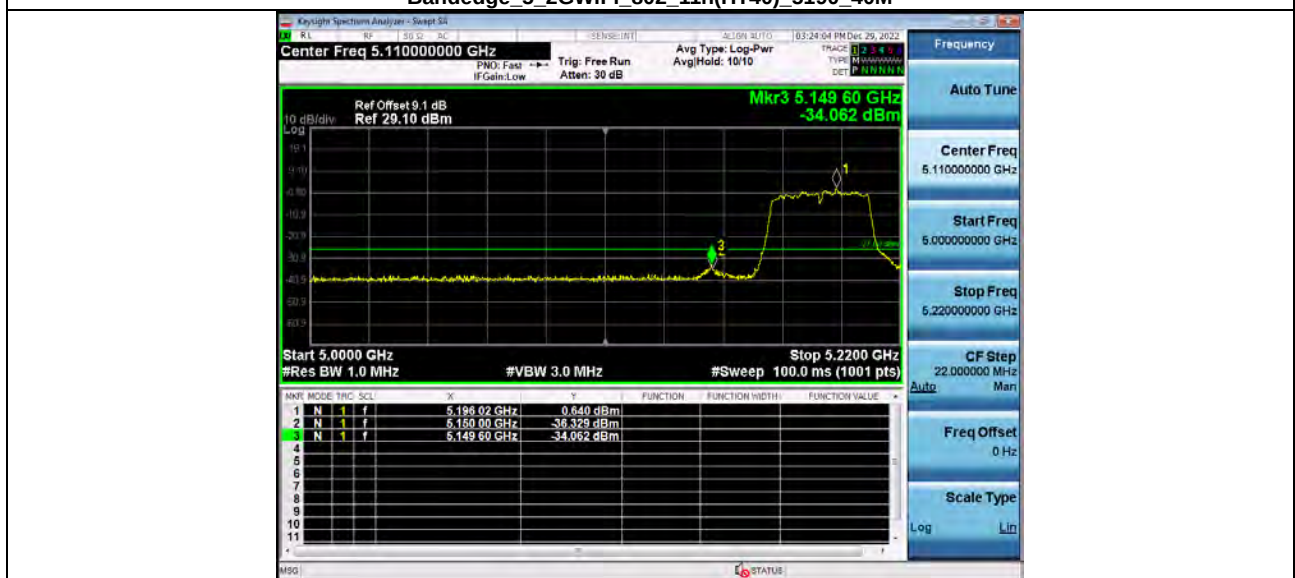
Bandedge_5_2GWiFi_802_11ac(VHT20)_5180_20M



Bandedge_5_2GWiFi_802_11ac(VHT20)_5240_20M



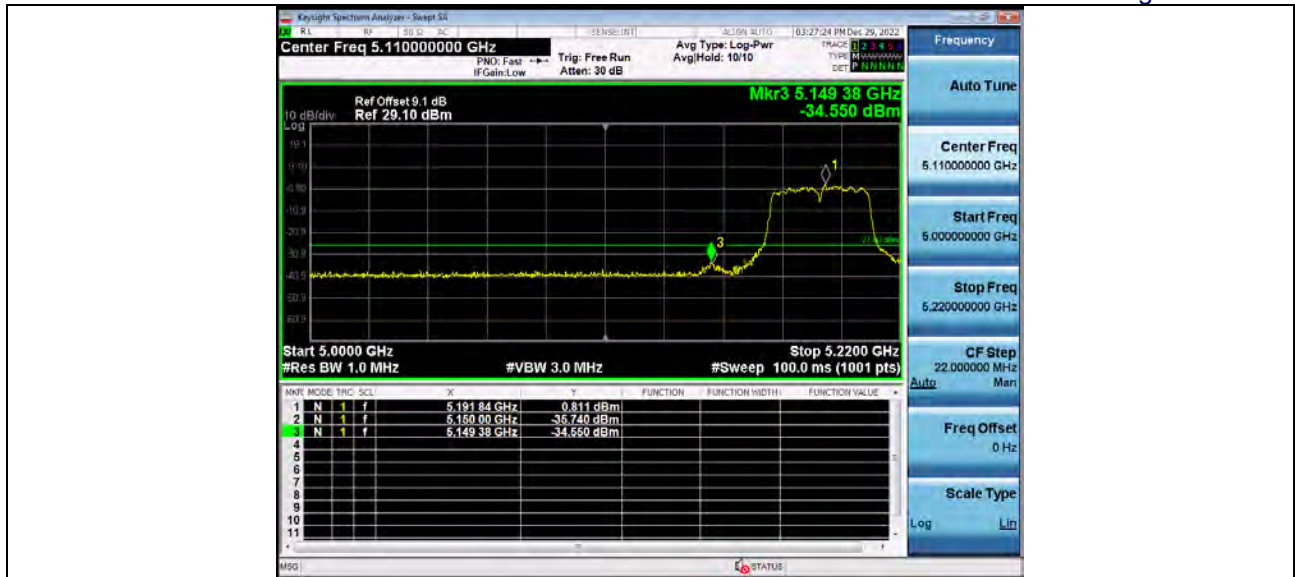
Bandedge_5_2GWiFi_802_11n(HT40)_5190_40M



Bandedge_5_2GWiFi_802_11n(HT40)_5230_40M



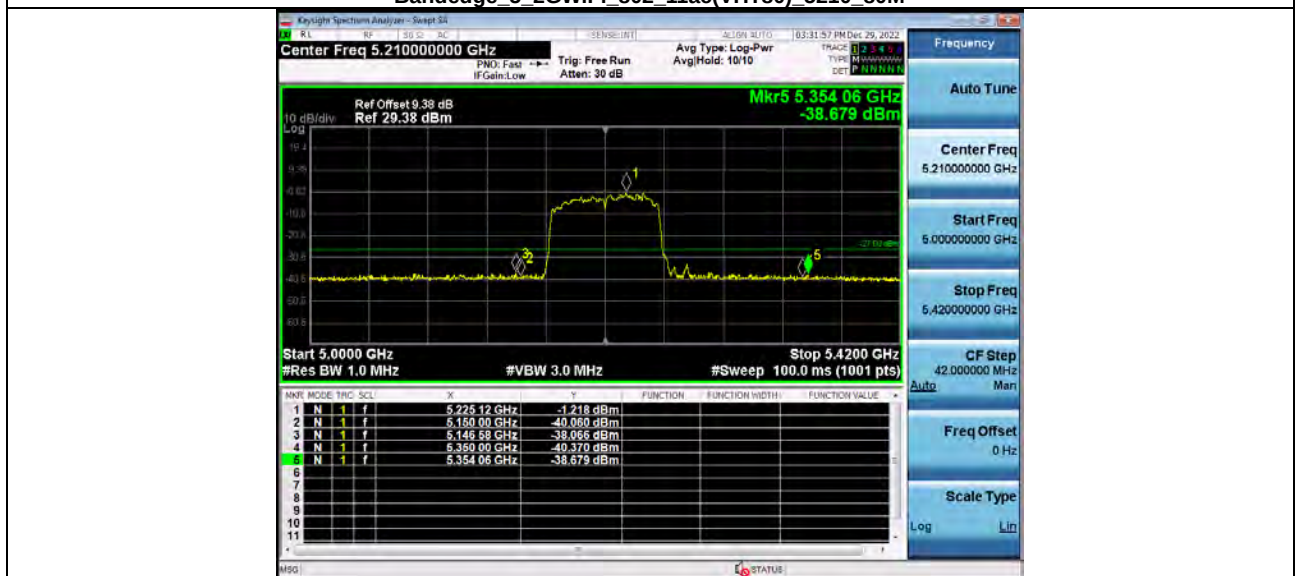
Bandedge_5_2GWiFi_802_11ac(VHT40)_5190_40M



Bandedge_5_2GWiFi_802_11ac(VHT40)_5230_40M

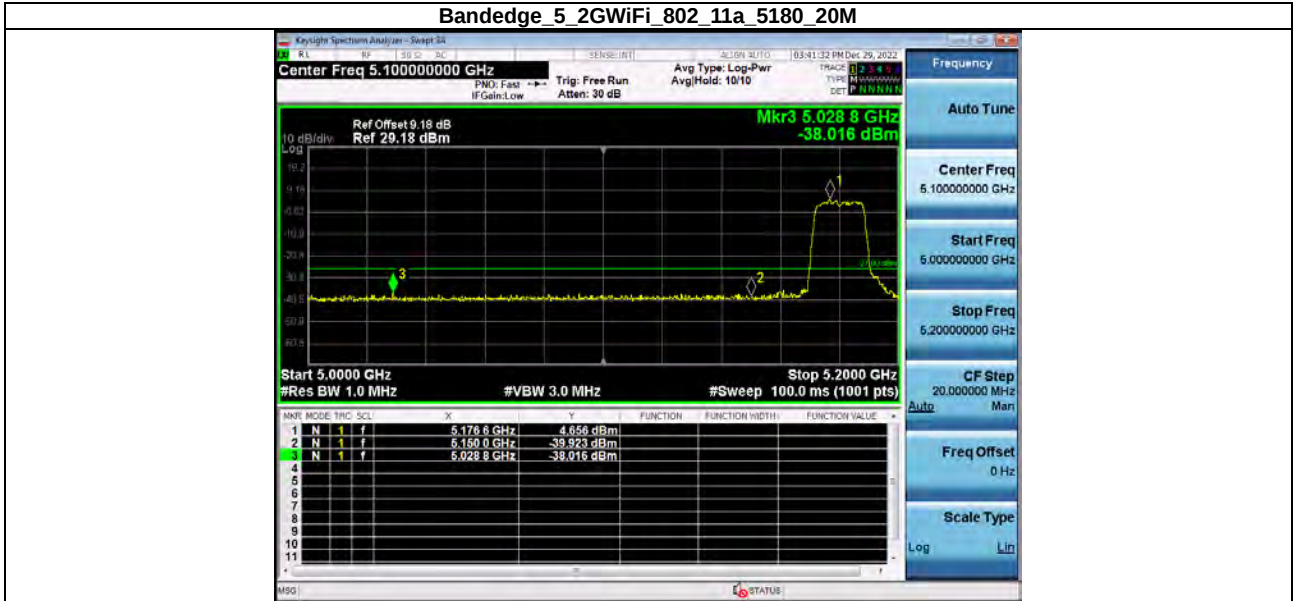


Bandedge_5_2GWiFi_802_11ac(VHT80)_5210_80M

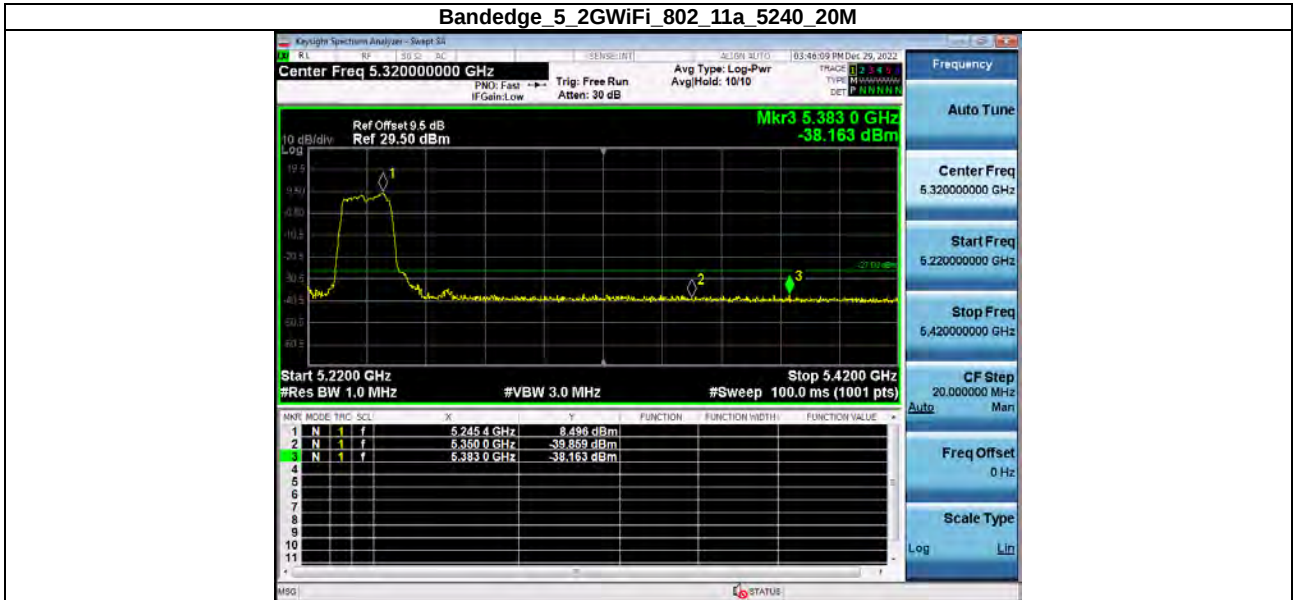


ANT2

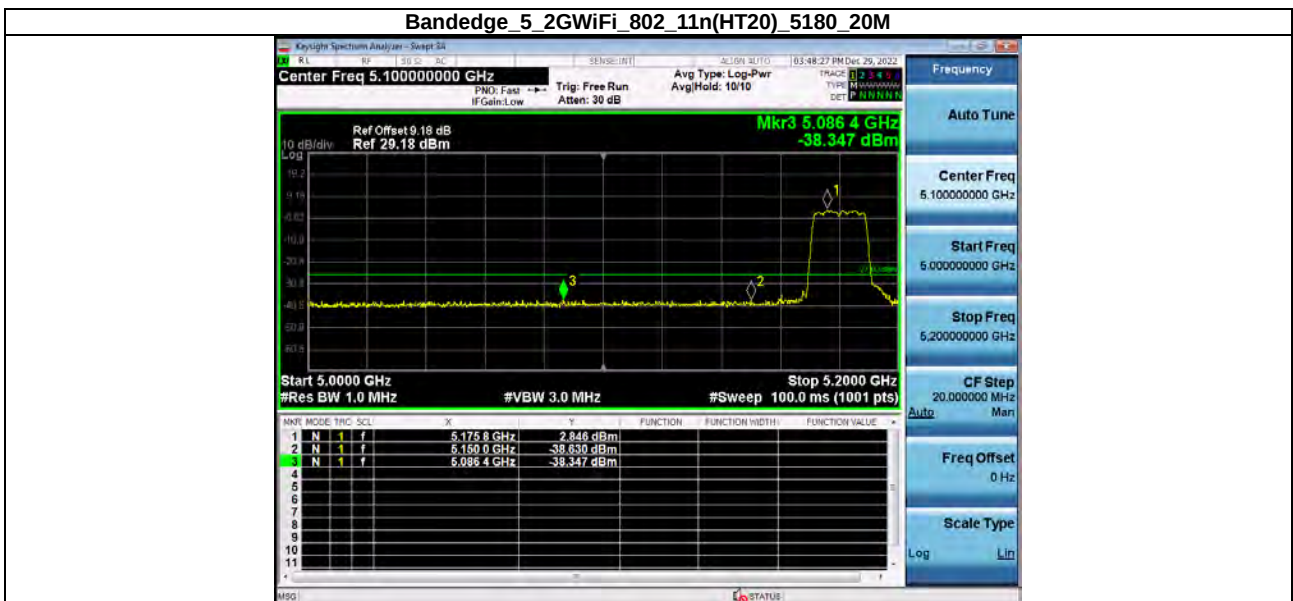
Bandedge_5_2GWiFi_802_11a_5180_20M



Bandedge_5_2GWiFi_802_11a_5240_20M



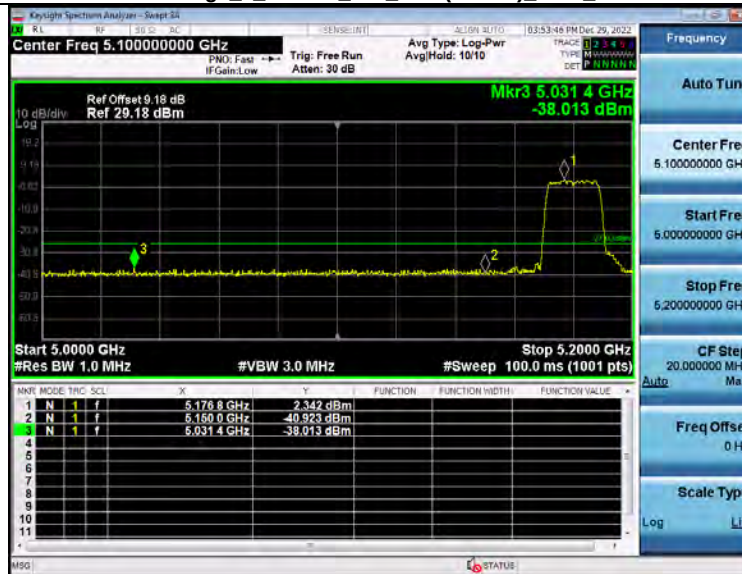
Bandedge_5_2GWiFi_802_11n(HT20)_5180_20M



Bandedge_5_2GWiFi_802_11n(HT20)_5240_20M



Bandedge_5_2GWiFi_802_11ac(VHT20)_5180_20M



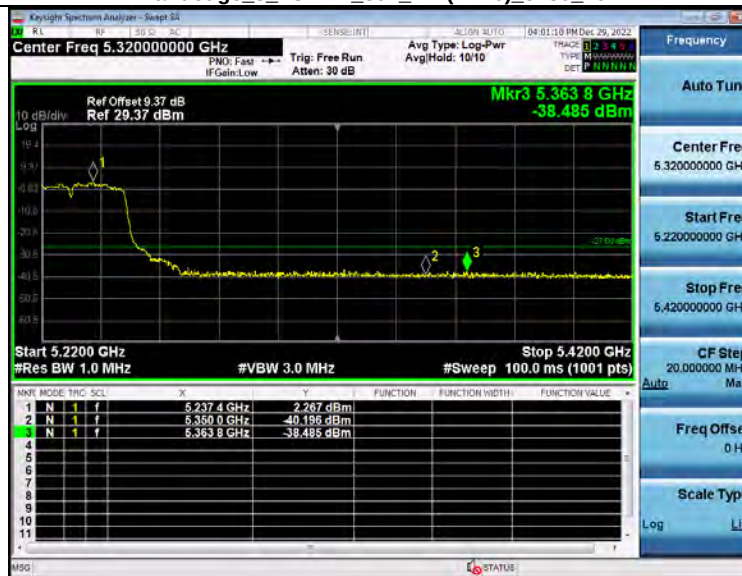
Bandedge_5_2GWiFi_802_11ac(VHT20)_5240_20M



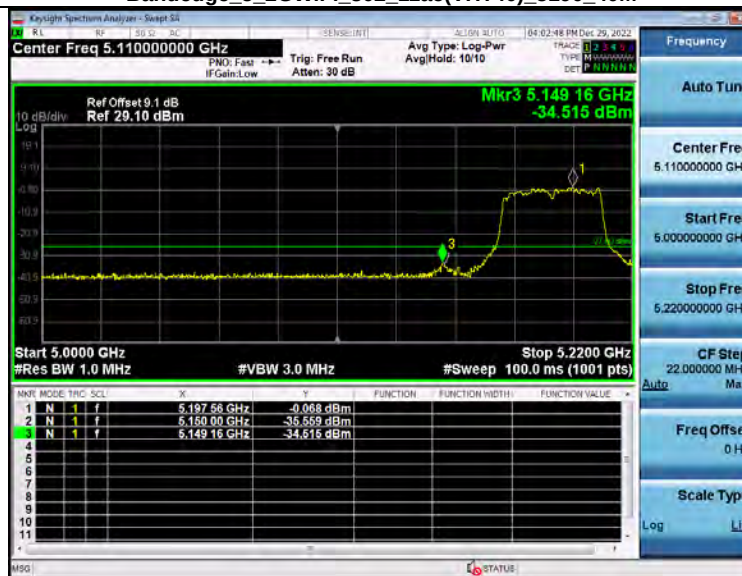
Bandedge_5_2GWiFi_802_11n(HT40)_5190_40M



Bandedge_5_2GWiFi_802_11n(HT40)_5230_40M



Bandedge_5_2GWiFi_802_11ac(VHT40)_5190_40M



Bandedge_5_2GWiFi_802_11ac(VHT40)_5230_40M



Bandedge_5_2GWiFi_802_11ac(VHT80)_5210_80M

