

FCC TEST REPORT

FCC ID: 2A3EA-ST65R

Report Number..... : ZKT-211012L5389-04

Date of Test..... Sep. 22, 2021 – Oct. 19, 2021

Date of issue : Oct. 19, 2021

Total number of pages 106

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 : DongGuan Ikinor technology Co.,Ltd

Address : Room 452, No.1 HengCheng Road ChangAn Town, DongGuan City, Guangdong province.

Manufacturer's name : DongGuan Ikinor technology Co.,Ltd

Address : Room 452, No.1 HengCheng Road ChangAn Town, DongGuan City, Guangdong province.

Test specification:

Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247
ANSI C63.10:2013
KDB 789033 D02 V01r02

Test procedure..... : /

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..... : Interactive Flat Panel

Trademark : Ikinor

Model/Type reference : ST65R, ST55R, ST75R, ST86R, ST98R, ST110R, FG55, FG65, FG75, FG86, FG98, FG110, IK55R, IK65R, IK75R, IK86R, IK98R, IK110R, FB75, FB85, FB86, PR55, PR65, PR75, PR86, PR98, PR110, IK55C, IK65C, IK75C, IK86C, IK98C, IK110C, IB75, IB85, IB86

Ratings..... : AC 120V 50/60Hz

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	7
2.2 MEASUREMENT UNCERTAINTY	7
3. GENERAL INFORMATION	8
3.1 GENERAL DESCRIPTION OF EUT	8
3.2 DESCRIPTION OF TEST MODES	9
3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	9
3.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)	10
3.5EQUIPMENTS LIST FOR ALL TEST ITEMS	11
4. EMC EMISSION TEST	12
4.1 CONDUCTED EMISSION MEASUREMENT	12
4.1.1 POWER LINE CONDUCTED EMISSION LIMITS	12
4.1.2 TEST PROCEDURE	12
4.1.3 DEVIATION FROM TEST STANDARD	12
4.1.4 TEST SETUP	13
4.1.5 EUT OPERATING CONDITIONS	13
4.1.6 TEST RESULT	14
4.2 RADIATED EMISSION MEASUREMENT	16
4.2.1 RADIATED EMISSION LIMITS	16
4.2.2 TEST PROCEDURE	17
4.2.3 DEVIATION FROM TEST STANDARD	17
4.2.4 TEST SETUP	17
4.2.5 EUT OPERATING CONDITIONS	18
4.2.6 TEST RESULTS	19
5.POWER SPECTRAL DENSITY TEST	61
5.1 APPLIED PROCEDURES / LIMIT	61
5.2 TEST PROCEDURE	61
5.3 DEVIATION FROM STANDARD	61
5.4 TEST SETUP	61
5.5 EUT OPERATION CONDITIONS	61
5.6 TEST RESULT	61
6. -26 DB & 6DBM EMISSION BANDWIDTH	74
6.1 APPLIED PROCEDURES / LIMIT	74
6.2 TEST PROCEDURE	74
6.3 DEVIATION FROM STANDARD	74
6.4 TEST SETUP	74
6.5 EUT OPERATION CONDITIONS	74

6.6 TEST RESULT	74
7. OUTPUT POWER TEST	86
7.1 APPLIED PROCEDURES/LIMIT	86
7.2 DEVIATION FROM STANDARD	86
7.3 TEST SETUP	86
7.4 EUT OPERATION CONDITIONS	86
7.5 TEST RESULT	87
8. OUT OF BAND EDGE EMISSION	89
8.1 TEST PROCEDURE	89
8.2 DEVIATION FROM STANDARD	89
8.3 TEST SETUP	89
8.4 EUT OPERATION CONDITIONS	89
8.5 TEST RESULTS	89
9. FREQUENCY STABILITY MEASUREMENT	98
9.4 TEST RESULT	98
10.ANTENNA REQUIREMENT	105
10. TEST SETUP PHOTO	106
11. EUT CONSTRUCTIONAL DETAILS	106

1. VERSION

Report No.	Version	Description	Approved
ZKT-211012L5389-04	Rev.01	Initial issue of report	Oct. 19, 2021

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.247) , 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 expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Product Name:	Interactive Flat Panel		
Model No.:	ST65R		
Model Different.:	Product size and appearance color are different		
Serial No.:	ST55R, ST75R, ST86R, ST98R, ST110R, FG55, FG65, FG75, FG86, FG98, FG110, IK55R, IK65R, IK75R, IK86R, IK98R, IK110R, FB75, FB85, FB86, PR55, PR65, PR75, PR86, PR98, PR110, IK55C, IK65C, IK75C, IK86C, IK98C, IK110C, IB75, IB85 IB86		
Hardware Version:	V1.0		
Software Version:	V1.0		
Sample(s) Status:	Engineer sample		
	IEEE802.11 WLAN mode supported		802.11a/n/ac(20MHz channel bandwidth) 802.11n/ ac (40MHz channel bandwidth) 802.11n/ ac (80MHz channel bandwidth)
	Data rate		802.11ac:MCS0-MCS9 802.11n: MCS0-MCS7
	Modulation		OFDM
	Band 1	Frequency Range	IEEE802.11 a : 5180-5240MHz IEEE802.11 n HT20 : 5180-5240MHz IEEE802.11 n HT40 : 5190-5230MHz IEEE802.11 ac HT20: 5180-5240MHz IEEE802.11 ac HT40: 5190-5230MHz IEEE802.11 ac HT80 : 5210MHz
		Channels	IEEE802.11 a/ac /n (HT20): 4 IEEE802.11 ac /n (HT40): 2 IEEE802.11 ac(HT80): 1
	BAND 4	Frequency Range	IEEE802.11 a : 5745-5825 MHz IEEE802.11 n HT20 : 5745-5825 MHz IEEE802.11 n HT40 : 5755-5795 MHz IEEE802.11 ac HT20: 5745-5825 MHz IEEE802.11 ac HT40: 5755-5795 MHz IEEE802.11 ac HT80 : 5775 MHz
		Channels	IEEE802.11 a/ac /n (HT20): 5

		IEEE802.11 ac /n (HT40): 2 IEEE802.11 ac(HT80): 1
Antenna Type:	Glue stick antenna	
Antenna gain:	ANT1: 5dBi; ANT2: 5dBi MIMO: 8.015dBi	
Power supply:	AC 120V 50/60Hz	

NOTE:

5Gwifi is limited to module A, the data downloaded are based on the test results of module A-5Gwifi

Band 1		Band 4	
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

Band 1		Band 4	
CH.	Frequency (MHz)	CH.	Frequency (MHz)
38	5190	151	5755
46	5230	159	5795

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

Band 1		Band 4	
CH.	Frequency (MHz)	CH.	Frequency (MHz)
42	5210	155	5775

802.11ac (80MHz BW) Frequency / Channel Operations

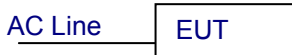
3.2 DESCRIPTION OF TEST MODES

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

Description	5 GHz Emission
Antenna	MIMO
Channel	38
Operating Frequency (MHz)	802.11a
Data Rate (Mbps)	OFDM/13.5Mbps
Mode	Band I -A

3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted Emission



Radiated Emission

AC Line

EUT

Conducted Spurious

AC Line

EUT

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					

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	MY45109572	Sep. 21, 2021	Sep. 20, 2022
2	Spectrum Analyzer (1GHz-40GHz)	Agilent	E4446A	100363	Sep. 21, 2021	Sep. 20, 2022
3	Test Receiver (9kHz-7GHz)	R&S	ESCI7	101169	Sep. 21, 2021	Sep. 20, 2022
4	Bilog Antenna (30MHz-1400MHz)	Schwarzbeck	VULB9168	00877	Sep. 21, 2021	Sep. 20, 2022
5	Horn Antenna (1GHz-18GHz)	SCHWARZBEC K	BBHA9120D	1541	Sep. 21, 2021	Sep. 20, 2022
6	Horn Antenna (18GHz-40GHz)	A.H. System	SAS-574	588	Sep. 21, 2021	Sep. 20, 2022
7	Amplifier (30-1000MHz)	EM Electronics	EM330 Amplifier	N/A	Sep. 21, 2021	Sep. 20, 2022
8	Amplifier (1GHz-40GHz)	QUANJUDA	DLE-161	097	Sep. 21, 2021	Sep. 20, 2022
9	Loop Antenna (9KHz-30MHz)	SCHWARZBEC K	FMZB1519B	014	Sep. 21, 2021	Sep. 20, 2022
10	RF cables1 (9kHz-30MHz)	N/A	9kHz-30MHz	N/A	Sep. 21, 2021	Sep. 20, 2022
11	RF cables2 (30MHz-1GHz)	N/A	30MHz-1GHz	N/A	Sep. 21, 2021	Sep. 20, 2022
12	RF cables3 (1GHz-40GHz)	N/A	1GHz-40GHz	N/A	Sep. 21, 2021	Sep. 20, 2022
13	CMW500 Test	R&S	CMW500	106504	Sep. 21, 2021	Sep. 20, 2022
14	ESG Signal Generator	Agilent	E4421B	GB40051203	Sep. 21, 2021	Sep. 20, 2022
15	Signal Generator	Agilent	N5182A	MY47420215	Sep. 21, 2021	Sep. 20, 2022
16	D.C. Power Supply	LongWei	TPR-6405D	\	\	\
17	Software	Frad	EZ-EMC	FA-03A2 RE	\	\

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	LISN	R&S	ENV216	101471	Sep. 21, 2021	Sep. 20, 2022
2	LISN	CYBERTEK	EM5040A	E1850400149	Sep. 21, 2021	Sep. 20, 2022
3	Test Cable	N/A	C01	N/A	Sep. 21, 2021	Sep. 20, 2022
4	Test Cable	N/A	C02	N/A	Sep. 21, 2021	Sep. 20, 2022
5	EMI Test Receiver	R&S	ESRP3	101946	Sep. 21, 2021	Sep. 20, 2022
6	Absorbing Clamp	DZ	ZN23201	N/A	Sep. 21, 2021	Sep. 20, 2022

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.

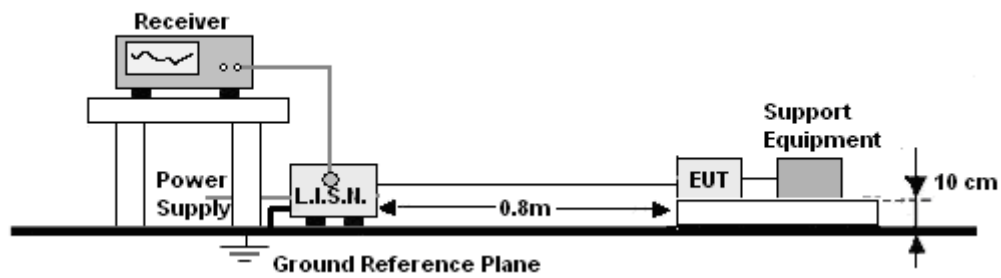
4.1.2 TEST PROCEDURE

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



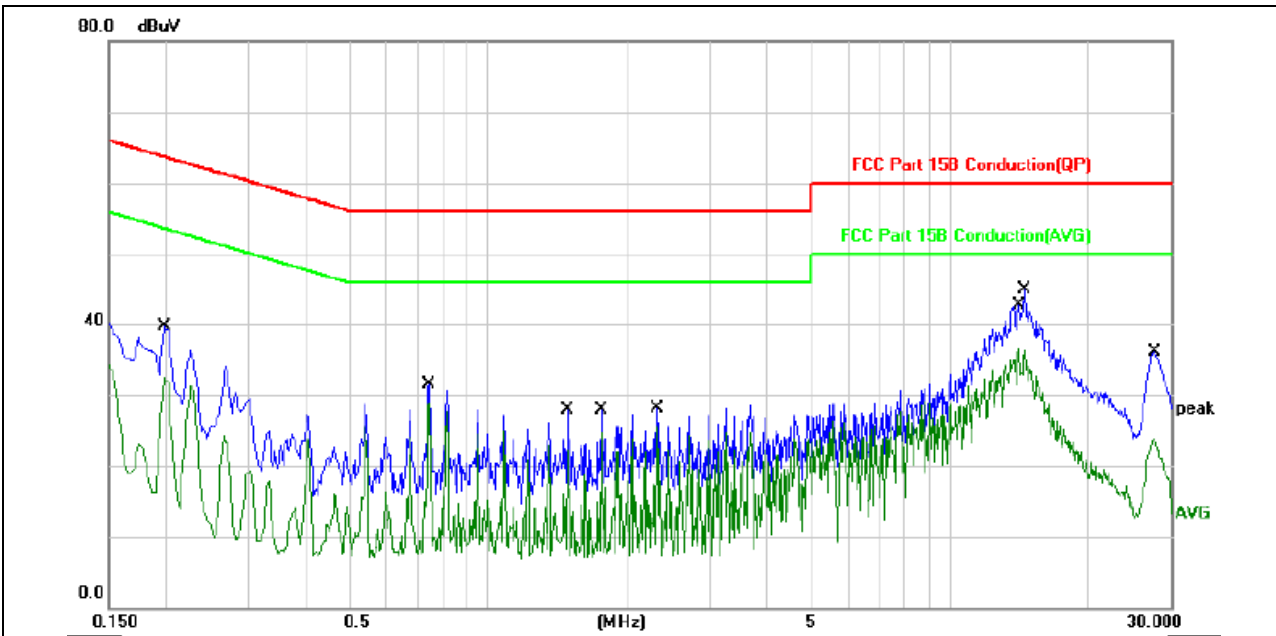
4.1.5 EUT OPERATING CONDITIONS

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		

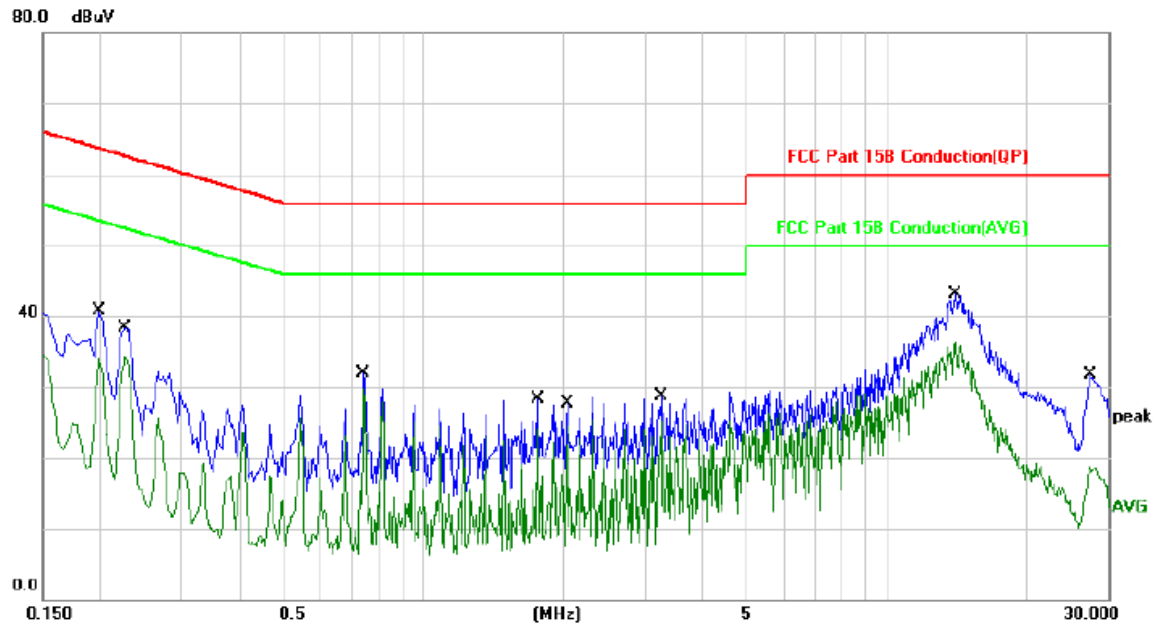


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1980	39.82	-0.13	39.69	63.69	-24.00	QP	
2		0.1980	32.72	-0.13	32.59	53.69	-21.10	AVG	
3		0.7460	31.47	-0.06	31.41	56.00	-24.59	QP	
4		0.7460	28.96	-0.06	28.90	46.00	-17.10	AVG	
5		1.4900	28.09	-0.19	27.90	56.00	-28.10	QP	
6		1.7620	24.86	-0.21	24.65	46.00	-21.35	AVG	
7		2.3060	28.45	-0.25	28.20	56.00	-27.80	QP	
8		2.3060	25.80	-0.25	25.55	46.00	-20.45	AVG	
9	*	14.0860	36.62	-0.19	36.43	50.00	-13.57	AVG	
10		14.4940	45.06	-0.21	44.85	60.00	-15.15	QP	
11		27.6900	36.56	-0.38	36.18	60.00	-23.82	QP	
12		27.6900	24.32	-0.38	23.94	50.00	-26.06	AVG	

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Measurement Level = Reading level + Correct Factor

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		0.1980	40.81	-0.13	40.68	63.69	-23.01	QP	
2		0.2260	34.42	-0.12	34.30	52.59	-18.29	AVG	
3		0.7420	31.92	-0.06	31.86	56.00	-24.14	QP	
4		0.7420	29.68	-0.06	29.62	46.00	-16.38	AVG	
5		1.7620	28.48	-0.21	28.27	56.00	-27.73	QP	
6		2.0340	24.82	-0.23	24.59	46.00	-21.41	AVG	
7		3.2540	28.97	-0.19	28.78	56.00	-27.22	QP	
8		3.2540	25.44	-0.19	25.25	46.00	-20.75	AVG	
9		14.0860	43.28	-0.19	43.09	60.00	-16.91	QP	
10	*	14.0860	36.45	-0.19	36.26	50.00	-13.74	AVG	
11		27.5420	32.01	-0.38	31.63	60.00	-28.37	QP	
12		27.5420	19.26	-0.38	18.88	50.00	-31.12	AVG	

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Measurement Level = Reading level + Correct Factor

4.2 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:

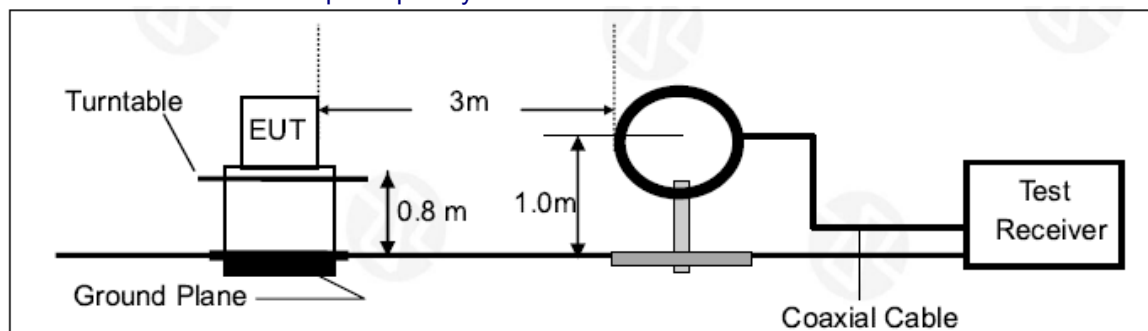
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

4.2.3 DEVIATION FROM TEST STANDARD

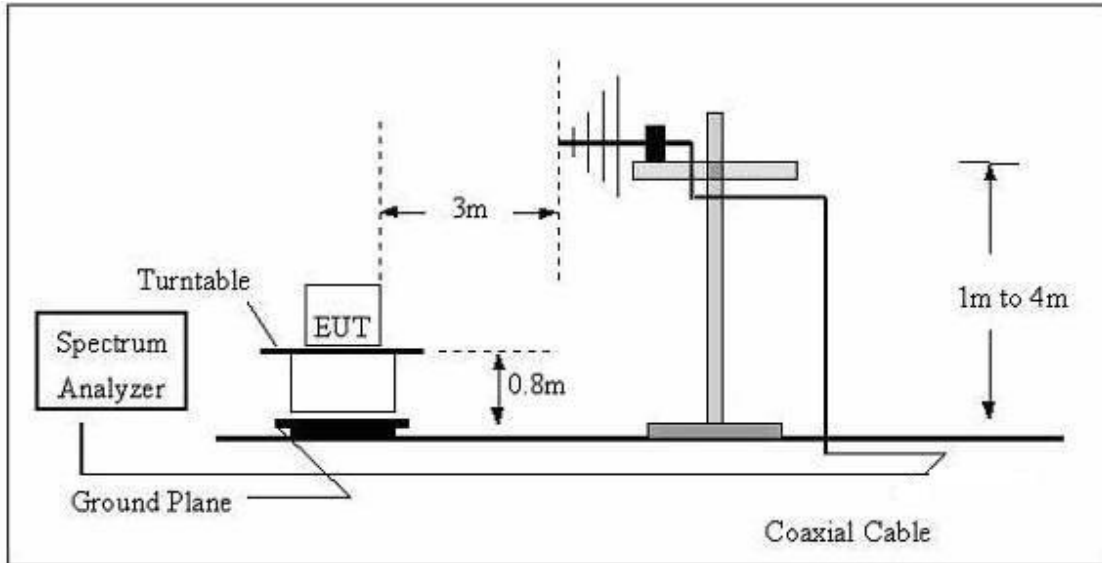
No deviation

4.2.4 TEST SETUP

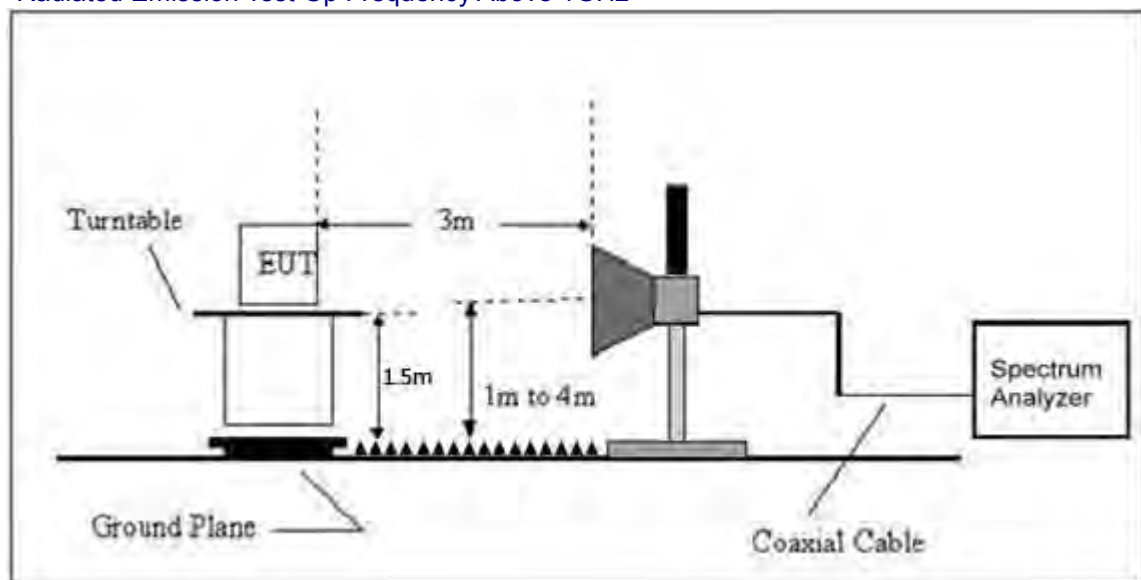
(A) Radiated Emission Test-Up Frequency Below 30MHz



(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.

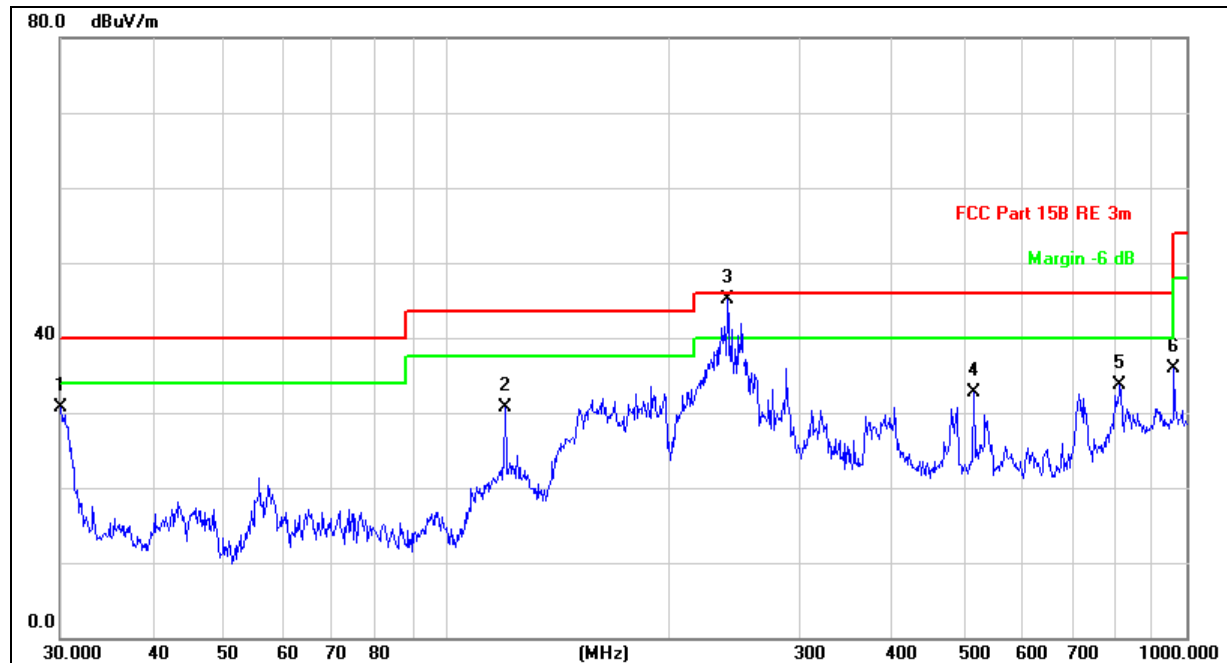
4.2.6 TEST RESULTS

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.

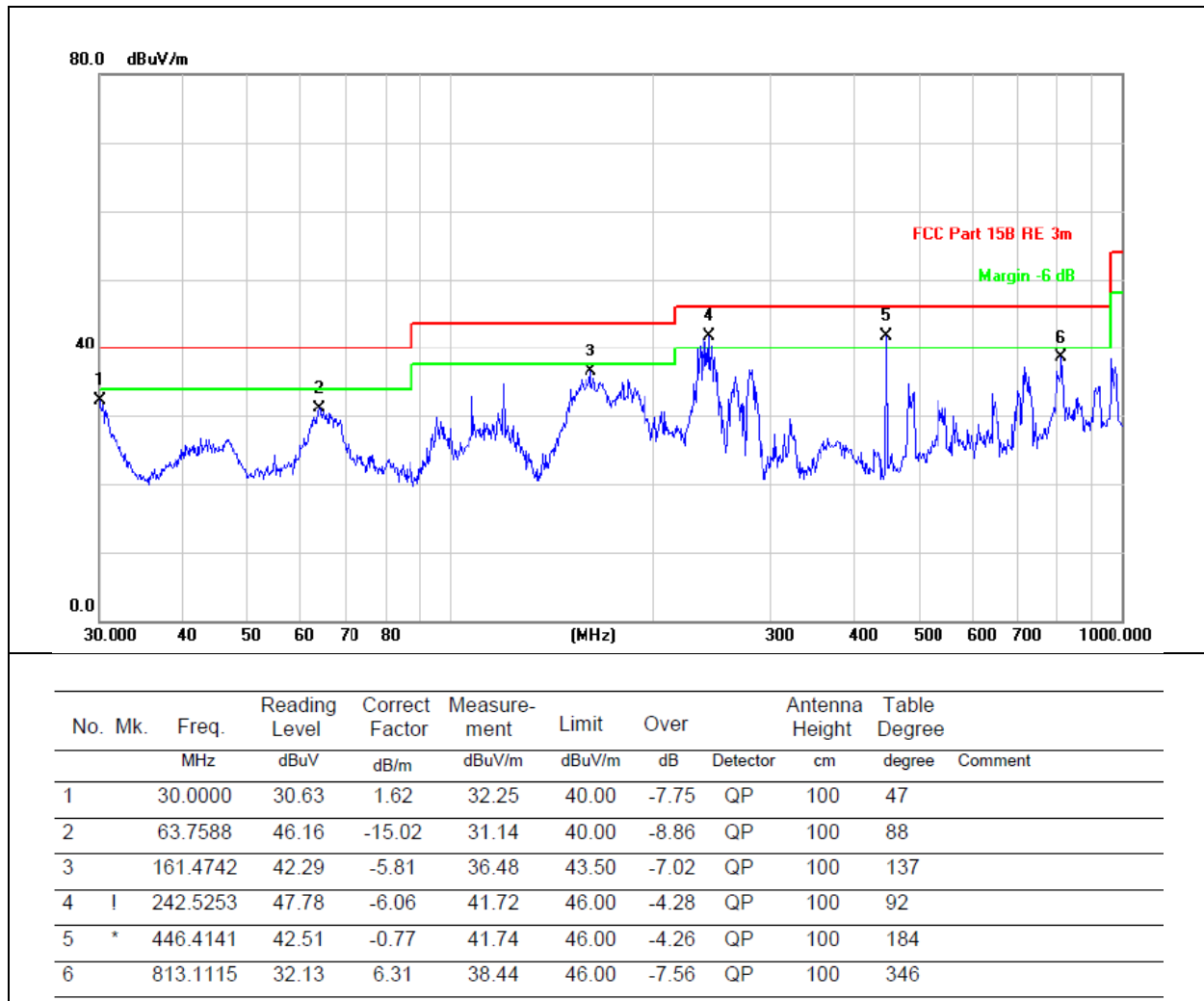
Between 30MHz – 1GHz

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



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		30.1054	29.18	1.43	30.61	40.00	-9.39	QP	100	30	
2		119.8556	37.31	-6.52	30.79	43.50	-12.71	QP	100	84	
3		239.9874	51.00	-6.06	44.94	46.00	-1.06	QP	100	183	
4		523.1422	34.93	0.11	35.04	46.00	-10.96	QP	100	209	
5		813.1124	28.06	6.31	34.37	46.00	-11.63	QP	100	184	
6		962.1623	29.25	6.74	35.99	54.00	-18.01	QP	100	232	

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



1GHz~40GHz

ANT1-802.11a

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	54.45	30.85	7.45	24.69	55.74	74	-18.26	PK
V	10360	40.91	30.85	7.45	24.69	42.20	54	-11.80	AV
V	15540	53.06	31.38	7.45	24.75	53.88	74	-20.12	PK
V	15540	39.38	31.38	7.45	24.75	40.20	54	-13.80	AV
V	20720	51.20	31.76	7.45	24.86	51.75	74	-22.25	PK
V	20720	37.89	31.76	7.45	24.86	38.44	54	-15.56	AV
H	10360	54.04	30.85	7.45	24.69	55.33	74	-18.67	PK
H	10360	42.19	30.85	7.45	24.69	43.48	54	-10.52	AV
H	15540	52.99	31.38	7.45	24.75	53.81	74	-20.19	PK
H	15540	39.53	31.38	7.45	24.75	40.35	54	-13.65	AV
H	20720	52.11	31.76	7.45	24.86	52.66	74	-21.34	PK
H	20720	38.43	31.76	7.45	24.86	38.98	54	-15.02	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	55.42	30.85	7.45	24.69	56.71	74	-17.29	PK
V	10400	40.32	30.85	7.45	24.69	41.61	54	-12.39	AV
V	15600	53.55	31.38	7.45	24.75	54.37	74	-19.63	PK
V	15600	40.06	31.38	7.45	24.75	40.88	54	-13.12	AV
V	20800	51.95	31.76	7.45	24.86	52.50	74	-21.50	PK
V	20800	35.97	31.76	7.45	24.86	36.52	54	-17.48	AV
H	10400	54.72	30.85	7.45	24.69	56.01	74	-17.99	PK
H	10400	42.22	30.85	7.45	24.69	43.51	54	-10.49	AV
H	15600	53.10	31.38	7.45	24.75	53.92	74	-20.08	PK
H	15600	39.79	31.38	7.45	24.75	40.61	54	-13.39	AV
H	20800	52.70	31.76	7.45	24.86	53.25	74	-20.75	PK
H	20800	38.61	31.76	7.45	24.86	39.16	54	-14.84	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)	
High Channel:5240MHz									
V	10480	53.09	30.85	7.45	24.69	54.38	74	-19.62	PK
V	10480	40.23	30.85	7.45	24.69	41.52	54	-12.48	AV
V	15720	52.81	31.38	7.45	24.75	53.63	74	-20.37	PK
V	15720	40.47	31.38	7.45	24.75	41.29	54	-12.71	AV
V	20960	53.60	31.76	7.45	24.86	54.15	74	-19.85	PK
V	20960	38.57	31.76	7.45	24.86	39.12	54	-14.88	AV
H	10480	54.07	30.85	7.45	24.69	55.36	74	-18.64	PK
H	10480	42.55	30.85	7.45	24.69	43.84	54	-10.16	AV
H	15720	53.56	31.38	7.45	24.75	54.38	74	-19.62	PK
H	15720	41.24	31.38	7.45	24.75	42.06	54	-11.94	AV
H	20960	52.90	31.76	7.45	24.86	53.45	74	-20.55	PK
H	20960	38.46	31.76	7.45	24.86	39.01	54	-14.99	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)	
High Channel:5745MHz									
V	11490	54.15	30.85	7.45	24.69	55.44	74	-18.56	PK
V	11490	41.74	30.85	7.45	24.69	43.03	54	-10.97	AV
V	17235	51.80	31.38	7.45	24.75	52.62	74	-21.38	PK
V	17235	39.17	31.38	7.45	24.75	39.99	54	-14.01	AV
V	22980	52.14	31.76	7.45	24.86	52.69	74	-21.31	PK
V	22980	36.55	31.76	7.45	24.86	37.10	54	-16.90	AV
H	11490	53.69	30.85	7.45	24.69	54.98	74	-19.02	PK
H	11490	39.85	30.85	7.45	24.69	41.14	54	-12.86	AV
H	17235	52.74	31.38	7.45	24.75	53.56	74	-20.44	PK
H	17235	40.99	31.38	7.45	24.75	41.81	54	-12.19	AV
H	22980	52.87	31.76	7.45	24.86	53.42	74	-20.58	PK
H	22980	38.89	31.76	7.45	24.86	39.44	54	-14.56	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)	
High Channel:5785MHz									
V	11570	53.03	30.85	7.45	24.69	54.32	74	-19.68	PK
V	11570	42.13	30.85	7.45	24.69	43.42	54	-10.58	AV
V	17355	52.66	31.38	7.45	24.75	53.48	74	-20.52	PK
V	17355	40.18	31.38	7.45	24.75	41.00	54	-13.00	AV
V	23140	51.15	31.76	7.45	24.86	51.70	74	-22.30	PK
V	23140	37.20	31.76	7.45	24.86	37.75	54	-16.25	AV
H	11570	54.02	30.85	7.45	24.69	55.31	74	-18.69	PK
H	11570	42.07	30.85	7.45	24.69	43.36	54	-10.64	AV
H	17355	53.62	31.38	7.45	24.75	54.44	74	-19.56	PK
H	17355	41.46	31.38	7.45	24.75	42.28	54	-11.72	AV
H	23140	53.11	31.76	7.45	24.86	53.66	74	-20.34	PK
H	23140	35.89	31.76	7.45	24.86	36.44	54	-17.56	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)	
High Channel:5825MHz									
V	11650	51.95	30.85	7.45	24.69	53.24	74	-20.76	PK
V	11650	42.02	30.85	7.45	24.69	43.31	54	-10.69	AV
V	17475	52.15	31.38	7.45	24.75	52.97	74	-21.03	PK
V	17475	41.19	31.38	7.45	24.75	42.01	54	-11.99	AV
V	23300	53.44	31.76	7.45	24.86	53.99	74	-20.01	PK
V	23300	37.28	31.76	7.45	24.86	37.83	54	-16.17	AV
H	11650	53.54	30.85	7.45	24.69	54.83	74	-19.17	PK
H	11650	40.55	30.85	7.45	24.69	41.84	54	-12.16	AV
H	17475	52.86	31.38	7.45	24.75	53.68	74	-20.32	PK
H	17475	39.97	31.38	7.45	24.75	40.79	54	-13.21	AV
H	23300	52.53	31.76	7.45	24.86	53.08	74	-20.92	PK
H	23300	37.95	31.76	7.45	24.86	38.50	54	-15.50	AV

ANT1-802.11n20

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	55.39	30.85	7.45	24.69	56.68	74	-17.32	PK
V	10360	41.35	30.85	7.45	24.69	42.64	54	-11.36	AV
V	15540	53.72	31.38	7.45	24.75	54.54	74	-19.46	PK
V	15540	40.51	31.38	7.45	24.75	41.33	54	-12.67	AV
V	20720	50.88	31.76	7.45	24.86	51.43	74	-22.57	PK
V	20720	40.67	31.76	7.45	24.86	41.22	54	-12.78	AV
H	10360	55.15	30.85	7.45	24.69	56.44	74	-17.56	PK
H	10360	41.53	30.85	7.45	24.69	42.82	54	-11.18	AV
H	15540	53.47	31.38	7.45	24.75	54.29	74	-19.71	PK
H	15540	40.73	31.38	7.45	24.75	41.55	54	-12.45	AV
H	20720	51.29	31.76	7.45	24.86	51.84	74	-22.16	PK
H	20720	40.23	31.76	7.45	24.86	40.78	54	-13.22	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amp lifier	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	55.01	30.85	7.45	24.69	56.30	74	-17.70	PK
V	10400	40.41	30.85	7.45	24.69	41.70	54	-12.30	AV
V	15600	52.90	31.38	7.45	24.75	53.72	74	-20.28	PK
V	15600	39.82	31.38	7.45	24.75	40.64	54	-13.36	AV
V	20800	50.91	31.76	7.45	24.86	51.46	74	-22.54	PK
V	20800	38.18	31.76	7.45	24.86	38.73	54	-15.27	AV
H	10400	53.04	30.85	7.45	24.69	54.33	74	-19.67	PK
H	10400	41.14	30.85	7.45	24.69	42.43	54	-11.57	AV
H	15600	52.28	31.38	7.45	24.75	53.10	74	-20.90	PK
H	15600	39.42	31.38	7.45	24.75	40.24	54	-13.76	AV
H	20800	53.38	31.76	7.45	24.86	53.93	74	-20.07	PK
H	20800	40.60	31.76	7.45	24.86	41.15	54	-12.85	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	55.73	30.85	7.45	24.69	57.02	74	-16.98	PK
V	10480	40.73	30.85	7.45	24.69	42.02	54	-11.98	AV
V	15720	53.74	31.38	7.45	24.75	54.56	74	-19.44	PK
V	15720	41.50	31.38	7.45	24.75	42.32	54	-11.68	AV
V	20960	51.79	31.76	7.45	24.86	52.34	74	-21.66	PK
V	20960	39.25	31.76	7.45	24.86	39.80	54	-14.20	AV
H	10480	55.44	30.85	7.45	24.69	56.73	74	-17.27	PK
H	10480	42.71	30.85	7.45	24.69	44.00	54	-10.00	AV
H	15720	53.10	31.38	7.45	24.75	53.92	74	-20.08	PK
H	15720	40.15	31.38	7.45	24.75	40.97	54	-13.03	AV
H	20960	52.50	31.76	7.45	24.86	53.05	74	-20.95	PK
H	20960	36.80	31.76	7.45	24.86	37.35	54	-16.65	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)	
High Channel:5745MHz									
V	11490	55.76	30.85	7.45	24.69	57.05	74	-16.95	PK
V	11490	41.71	30.85	7.45	24.69	43.00	54	-11.00	AV
V	17235	52.84	31.38	7.45	24.75	53.66	74	-20.34	PK
V	17235	39.75	31.38	7.45	24.75	40.57	54	-13.43	AV
V	22980	53.05	31.76	7.45	24.86	53.60	74	-20.40	PK
V	22980	37.18	31.76	7.45	24.86	37.73	54	-16.27	AV
H	11490	52.52	30.85	7.45	24.69	53.81	74	-20.19	PK
H	11490	41.00	30.85	7.45	24.69	42.29	54	-11.71	AV
H	17235	53.46	31.38	7.45	24.75	54.28	74	-19.72	PK
H	17235	41.69	31.38	7.45	24.75	42.51	54	-11.49	AV
H	22980	53.45	31.76	7.45	24.86	54.00	74	-20.00	PK
H	22980	36.57	31.76	7.45	24.86	37.12	54	-16.88	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)	
High Channel:5785MHz									
V	11570	54.73	30.85	7.45	24.69	56.02	74	-17.98	PK
V	11570	41.12	30.85	7.45	24.69	42.41	54	-11.59	AV
V	17355	53.55	31.38	7.45	24.75	54.37	74	-19.63	PK
V	17355	41.54	31.38	7.45	24.75	42.36	54	-11.64	AV
V	23140	52.48	31.76	7.45	24.86	53.03	74	-20.97	PK
V	23140	37.16	31.76	7.45	24.86	37.71	54	-16.29	AV
H	11570	54.00	30.85	7.45	24.69	55.29	74	-18.71	PK
H	11570	40.97	30.85	7.45	24.69	42.26	54	-11.74	AV
H	17355	52.03	31.38	7.45	24.75	52.85	74	-21.15	PK
H	17355	40.02	31.38	7.45	24.75	40.84	54	-13.16	AV
H	23140	51.19	31.76	7.45	24.86	51.74	74	-22.26	PK
H	23140	35.95	31.76	7.45	24.86	36.50	54	-17.50	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)	
High Channel:5825MHz									
V	11650	55.13	30.85	7.45	24.69	56.42	74	-17.58	PK
V	11650	41.17	30.85	7.45	24.69	42.46	54	-11.54	AV
V	17475	52.64	31.38	7.45	24.75	53.46	74	-20.54	PK
V	17475	41.72	31.38	7.45	24.75	42.54	54	-11.46	AV
V	23300	50.81	31.76	7.45	24.86	51.36	74	-22.64	PK
V	23300	38.14	31.76	7.45	24.86	38.69	54	-15.31	AV
H	11650	55.64	30.85	7.45	24.69	56.93	74	-17.07	PK
H	11650	40.87	30.85	7.45	24.69	42.16	54	-11.84	AV
H	17475	53.66	31.38	7.45	24.75	54.48	74	-19.52	PK
H	17475	40.43	31.38	7.45	24.75	41.25	54	-12.75	AV
H	23300	51.83	31.76	7.45	24.86	52.38	74	-21.62	PK
H	23300	39.69	31.76	7.45	24.86	40.24	54	-13.76	AV

ANT1-802.11n40

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	10380	54.30	30.85	7.45	24.69	55.59	74	-18.41	PK
V	10380	41.30	30.85	7.45	24.69	42.59	54	-11.41	AV
V	15570	51.97	31.38	7.45	24.75	52.79	74	-21.21	PK
V	15570	40.16	31.38	7.45	24.75	40.98	54	-13.02	AV
V	20760	53.44	31.76	7.45	24.86	53.99	74	-20.01	PK
V	20760	36.16	31.76	7.45	24.86	36.71	54	-17.29	AV
H	10380	55.55	30.85	7.45	24.69	56.84	74	-17.16	PK
H	10380	41.62	30.85	7.45	24.69	42.91	54	-11.09	AV
H	15570	52.16	31.38	7.45	24.75	52.98	74	-21.02	PK
H	15570	39.95	31.38	7.45	24.75	40.77	54	-13.23	AV
H	20760	51.27	31.76	7.45	24.86	51.82	74	-22.18	PK
H	20760	37.09	31.76	7.45	24.86	37.64	54	-16.36	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	54.54	30.85	7.45	24.69	55.83	74	-18.17	PK
V	10460	41.38	30.85	7.45	24.69	42.67	54	-11.33	AV
V	15690	52.06	31.38	7.45	24.75	52.88	74	-21.12	PK
V	15690	39.55	31.38	7.45	24.75	40.37	54	-13.63	AV
V	20920	50.98	31.76	7.45	24.86	51.53	74	-22.47	PK
V	20920	36.78	31.76	7.45	24.86	37.33	54	-16.67	AV
H	10460	52.17	30.85	7.45	24.69	53.46	74	-20.54	PK
H	10460	40.06	30.85	7.45	24.69	41.35	54	-12.65	AV
H	15690	53.45	31.38	7.45	24.75	54.27	74	-19.73	PK
H	15690	40.64	31.38	7.45	24.75	41.46	54	-12.54	AV
H	20920	51.21	31.76	7.45	24.86	51.76	74	-22.24	PK
H	20920	36.63	31.76	7.45	24.86	37.18	54	-16.82	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)	
High Channel:5755MHz									
V	11510	55.76	30.85	7.45	24.69	57.05	74	-16.95	PK
V	11510	42.45	30.85	7.45	24.69	43.74	54	-10.26	AV
V	17265	53.59	31.38	7.45	24.75	54.41	74	-19.59	PK
V	17265	40.44	31.38	7.45	24.75	41.26	54	-12.74	AV
V	23020	50.84	31.76	7.45	24.86	51.39	74	-22.61	PK
V	23020	36.16	31.76	7.45	24.86	36.71	54	-17.29	AV
H	11510	52.34	30.85	7.45	24.69	53.63	74	-20.37	PK
H	11510	41.63	30.85	7.45	24.69	42.92	54	-11.08	AV
H	17265	51.82	31.38	7.45	24.75	52.64	74	-21.36	PK
H	17265	39.05	31.38	7.45	24.75	39.87	54	-14.13	AV
H	23020	51.47	31.76	7.45	24.86	52.02	74	-21.98	PK
H	23020	36.43	31.76	7.45	24.86	36.98	54	-17.02	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)	
High Channel:5795MHz									
V	11590	53.23	30.85	7.45	24.69	54.52	74	-19.48	PK
V	11590	41.97	30.85	7.45	24.69	43.26	54	-10.74	AV
V	17385	52.28	31.38	7.45	24.75	53.10	74	-20.90	PK
V	17385	39.11	31.38	7.45	24.75	39.93	54	-14.07	AV
V	23180	51.40	31.76	7.45	24.86	51.95	74	-22.05	PK
V	23180	39.69	31.76	7.45	24.86	40.24	54	-13.76	AV
H	11590	51.89	30.85	7.45	24.69	53.18	74	-20.82	PK
H	11590	41.27	30.85	7.45	24.69	42.56	54	-11.44	AV
H	17385	52.31	31.38	7.45	24.75	53.13	74	-20.87	PK
H	17385	41.10	31.38	7.45	24.75	41.92	54	-12.08	AV
H	23180	52.66	31.76	7.45	24.86	53.21	74	-20.79	PK
H	23180	38.44	31.76	7.45	24.86	38.99	54	-15.01	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.

ANT1--802.11ac20

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	52.25	30.85	7.45	24.69	53.54	74	-20.46	PK
V	10360	39.95	30.85	7.45	24.69	41.24	54	-12.76	AV
V	15540	52.61	31.38	7.45	24.75	53.43	74	-20.57	PK
V	15540	40.84	31.38	7.45	24.75	41.66	54	-12.34	AV
V	20720	53.37	31.76	7.45	24.86	53.92	74	-20.08	PK
V	20720	37.65	31.76	7.45	24.86	38.20	54	-15.80	AV
H	10360	52.34	30.85	7.45	24.69	53.63	74	-20.37	PK
H	10360	39.93	30.85	7.45	24.69	41.22	54	-12.78	AV
H	15540	51.96	31.38	7.45	24.75	52.78	74	-21.22	PK
H	15540	38.97	31.38	7.45	24.75	39.79	54	-14.21	AV
H	20720	51.97	31.76	7.45	24.86	52.52	74	-21.48	PK
H	20720	39.62	31.76	7.45	24.86	40.17	54	-13.83	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amp lifier	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	51.94	30.85	7.45	24.69	53.23	74	-20.77	PK
V	10400	40.27	30.85	7.45	24.69	41.56	54	-12.44	AV
V	15600	53.26	31.38	7.45	24.75	54.08	74	-19.92	PK
V	15600	39.71	31.38	7.45	24.75	40.53	54	-13.47	AV
V	20800	53.56	31.76	7.45	24.86	54.11	74	-19.89	PK
V	20800	36.79	31.76	7.45	24.86	37.34	54	-16.66	AV
H	10400	55.32	30.85	7.45	24.69	56.61	74	-17.39	PK
H	10400	40.62	30.85	7.45	24.69	41.91	54	-12.09	AV
H	15600	53.07	31.38	7.45	24.75	53.89	74	-20.11	PK
H	15600	40.71	31.38	7.45	24.75	41.53	54	-12.47	AV
H	20800	51.67	31.76	7.45	24.86	52.22	74	-21.78	PK
H	20800	38.36	31.76	7.45	24.86	38.91	54	-15.09	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	53.76	30.85	7.45	24.69	55.05	74	-18.95	PK
V	10480	42.73	30.85	7.45	24.69	44.02	54	-9.98	AV
V	15720	53.71	31.38	7.45	24.75	54.53	74	-19.47	PK
V	15720	39.12	31.38	7.45	24.75	39.94	54	-14.06	AV
V	20960	53.07	31.76	7.45	24.86	53.62	74	-20.38	PK
V	20960	38.06	31.76	7.45	24.86	38.61	54	-15.39	AV
H	10480	52.72	30.85	7.45	24.69	54.01	74	-19.99	PK
H	10480	40.29	30.85	7.45	24.69	41.58	54	-12.42	AV
H	15720	52.68	31.38	7.45	24.75	53.50	74	-20.50	PK
H	15720	39.42	31.38	7.45	24.75	40.24	54	-13.76	AV
H	20960	50.76	31.76	7.45	24.86	51.31	74	-22.69	PK
H	20960	39.43	31.76	7.45	24.86	39.98	54	-14.02	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)	
High Channel:5745MHz									
V	11490	53.03	30.85	7.45	24.69	54.32	74	-19.68	PK
V	11490	40.23	30.85	7.45	24.69	41.52	54	-12.48	AV
V	17235	53.41	31.38	7.45	24.75	54.23	74	-19.77	PK
V	17235	39.45	31.38	7.45	24.75	40.27	54	-13.73	AV
V	22980	53.42	31.76	7.45	24.86	53.97	74	-20.03	PK
V	22980	39.44	31.76	7.45	24.86	39.99	54	-14.01	AV
H	11490	52.23	30.85	7.45	24.69	53.52	74	-20.48	PK
H	11490	40.25	30.85	7.45	24.69	41.54	54	-12.46	AV
H	17235	52.29	31.38	7.45	24.75	53.11	74	-20.89	PK
H	17235	40.07	31.38	7.45	24.75	40.89	54	-13.11	AV
H	22980	51.72	31.76	7.45	24.86	52.27	74	-21.73	PK
H	22980	35.89	31.76	7.45	24.86	36.44	54	-17.56	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)	
High Channel:5785MHz									
V	11570	51.86	30.85	7.45	24.69	53.15	74	-20.85	PK
V	11570	40.51	30.85	7.45	24.69	41.80	54	-12.20	AV
V	17355	53.07	31.38	7.45	24.75	53.89	74	-20.11	PK
V	17355	41.32	31.38	7.45	24.75	42.14	54	-11.86	AV
V	23140	51.55	31.76	7.45	24.86	52.10	74	-21.90	PK
V	23140	39.37	31.76	7.45	24.86	39.92	54	-14.08	AV
H	11570	53.90	30.85	7.45	24.69	55.19	74	-18.81	PK
H	11570	42.70	30.85	7.45	24.69	43.99	54	-10.01	AV
H	17355	52.76	31.38	7.45	24.75	53.58	74	-20.42	PK
H	17355	39.86	31.38	7.45	24.75	40.68	54	-13.32	AV
H	23140	51.98	31.76	7.45	24.86	52.53	74	-21.47	PK
H	23140	36.05	31.76	7.45	24.86	36.60	54	-17.40	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)	
High Channel:5795MHz									
V	11590	54.73	30.85	7.45	24.69	56.02	74	-17.98	PK
V	11590	42.37	30.85	7.45	24.69	43.66	54	-10.34	AV
V	17385	52.06	31.38	7.45	24.75	52.88	74	-21.12	PK
V	17385	39.64	31.38	7.45	24.75	40.46	54	-13.54	AV
V	23180	53.32	31.76	7.45	24.86	53.87	74	-20.13	PK
V	23180	40.62	31.76	7.45	24.86	41.17	54	-12.83	AV
H	11590	52.89	30.85	7.45	24.69	54.18	74	-19.82	PK
H	11590	40.12	30.85	7.45	24.69	41.41	54	-12.59	AV
H	17385	52.52	31.38	7.45	24.75	53.34	74	-20.66	PK
H	17385	40.34	31.38	7.45	24.75	41.16	54	-12.84	AV
H	23180	52.17	31.76	7.45	24.86	52.72	74	-21.28	PK
H	23180	40.00	31.76	7.45	24.86	40.55	54	-13.45	AV

ANT1-802.11ac40

Polar (H/V)	Frequenc y	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	10380	54.71	30.85	7.45	24.69	56.00	74	-18.00	PK
V	10380	40.41	30.85	7.45	24.69	41.70	54	-12.30	AV
V	15570	52.79	31.38	7.45	24.75	53.61	74	-20.39	PK
V	15570	39.38	31.38	7.45	24.75	40.20	54	-13.80	AV
V	20760	51.81	31.76	7.45	24.86	52.36	74	-21.64	PK
V	20760	37.24	31.76	7.45	24.86	37.79	54	-16.21	AV
H	10380	52.51	30.85	7.45	24.69	53.80	74	-20.20	PK
H	10380	41.22	30.85	7.45	24.69	42.51	54	-11.49	AV
H	15570	53.38	31.38	7.45	24.75	54.20	74	-19.80	PK
H	15570	40.02	31.38	7.45	24.75	40.84	54	-13.16	AV
H	20760	52.63	31.76	7.45	24.86	53.18	74	-20.82	PK
H	20760	40.74	31.76	7.45	24.86	41.29	54	-12.71	AV

Polar (H/V)	Frequenc y	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:5230MHz									
V	10460	53.47	30.85	7.45	24.69	54.76	74	-19.24	PK
V	10460	40.87	30.85	7.45	24.69	42.16	54	-11.84	AV
V	15690	53.47	31.38	7.45	24.75	54.29	74	-19.71	PK
V	15690	39.32	31.38	7.45	24.75	40.14	54	-13.86	AV
V	20920	51.49	31.76	7.45	24.86	52.04	74	-21.96	PK
V	20920	40.06	31.76	7.45	24.86	40.61	54	-13.39	AV
H	10460	53.68	30.85	7.45	24.69	54.97	74	-19.03	PK
H	10460	40.52	30.85	7.45	24.69	41.81	54	-12.19	AV
H	15690	52.51	31.38	7.45	24.75	53.33	74	-20.67	PK
H	15690	39.13	31.38	7.45	24.75	39.95	54	-14.05	AV
H	20920	53.52	31.76	7.45	24.86	54.07	74	-19.93	PK
H	20920	38.10	31.76	7.45	24.86	38.65	54	-15.35	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)	
High Channel:5755MHz									
V	11510	53.17	30.85	7.45	24.69	54.46	74	-19.54	PK
V	11510	42.60	30.85	7.45	24.69	43.89	54	-10.11	AV
V	17265	53.56	31.38	7.45	24.75	54.38	74	-19.62	PK
V	17265	40.90	31.38	7.45	24.75	41.72	54	-12.28	AV
V	23020	52.76	31.76	7.45	24.86	53.31	74	-20.69	PK
V	23020	38.26	31.76	7.45	24.86	38.81	54	-15.19	AV
H	11510	52.79	30.85	7.45	24.69	54.08	74	-19.92	PK
H	11510	41.09	30.85	7.45	24.69	42.38	54	-11.62	AV
H	17265	53.08	31.38	7.45	24.75	53.90	74	-20.10	PK
H	17265	39.34	31.38	7.45	24.75	40.16	54	-13.84	AV
H	23020	52.65	31.76	7.45	24.86	53.20	74	-20.80	PK
H	23020	36.09	31.76	7.45	24.86	36.64	54	-17.36	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)	
High Channel:5795MHz									
V	11590	54.77	30.85	7.45	24.69	56.06	74	-17.94	PK
V	11590	40.59	30.85	7.45	24.69	41.88	54	-12.12	AV
V	17385	53.68	31.38	7.45	24.75	54.50	74	-19.50	PK
V	17385	39.50	31.38	7.45	24.75	40.32	54	-13.68	AV
V	23180	50.82	31.76	7.45	24.86	51.37	74	-22.63	PK
V	23180	36.98	31.76	7.45	24.86	37.53	54	-16.47	AV
H	11590	53.80	30.85	7.45	24.69	55.09	74	-18.91	PK
H	11590	40.16	30.85	7.45	24.69	41.45	54	-12.55	AV
H	17385	52.24	31.38	7.45	24.75	53.06	74	-20.94	PK
H	17385	41.69	31.38	7.45	24.75	42.51	54	-11.49	AV
H	23180	52.67	31.76	7.45	24.86	53.22	74	-20.78	PK
H	23180	40.13	31.76	7.45	24.86	40.68	54	-13.32	AV

ANT1-802.11ac80

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)	
5210MHz									
V	10420	53.26	30.85	7.45	24.69	54.55	74	-19.45	PK
V	10420	39.78	30.85	7.45	24.69	41.07	54	-12.93	AV
V	15630	51.88	31.38	7.45	24.75	52.70	74	-21.30	PK
V	15630	40.26	31.38	7.45	24.75	41.08	54	-12.92	AV
V	20840	52.29	31.76	7.45	24.86	52.84	74	-21.16	PK
V	20840	37.76	31.76	7.45	24.86	38.31	54	-15.69	AV
H	10420	52.64	30.85	7.45	24.69	53.93	74	-20.07	PK
H	10420	41.05	30.85	7.45	24.69	42.34	54	-11.66	AV
H	15630	53.36	31.38	7.45	24.75	54.18	74	-19.82	PK
H	15630	41.50	31.38	7.45	24.75	42.32	54	-11.68	AV
H	20840	51.90	31.76	7.45	24.86	52.45	74	-21.55	PK
H	20840	40.48	31.76	7.45	24.86	41.03	54	-12.97	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)	
High Channel:5775MHz									
V	11550	52.86	30.85	7.45	24.69	54.15	74	-19.85	PK
V	11550	42.49	30.85	7.45	24.69	43.78	54	-10.22	AV
V	17325	52.47	31.38	7.45	24.75	53.29	74	-20.71	PK
V	17325	39.65	31.38	7.45	24.75	40.47	54	-13.53	AV
V	23100	50.86	31.76	7.45	24.86	51.41	74	-22.59	PK
V	23100	38.78	31.76	7.45	24.86	39.33	54	-14.67	AV
H	11550	53.23	30.85	7.45	24.69	54.52	74	-19.48	PK
H	11550	40.08	30.85	7.45	24.69	41.37	54	-12.63	AV
H	17325	52.91	31.38	7.45	24.75	53.73	74	-20.27	PK
H	17325	39.98	31.38	7.45	24.75	40.80	54	-13.20	AV
H	23100	52.04	31.76	7.45	24.86	52.59	74	-21.41	PK
H	23100	37.81	31.76	7.45	24.86	38.36	54	-15.64	AV

ANT2-802.11a

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	54.12	30.85	7.45	24.69	55.41	74	-18.59	PK
V	10360	41.90	30.85	7.45	24.69	43.19	54	-10.81	AV
V	15540	53.16	31.38	7.45	24.75	53.98	74	-20.02	PK
V	15540	39.36	31.38	7.45	24.75	40.18	54	-13.82	AV
V	20720	50.84	31.76	7.45	24.86	51.39	74	-22.61	PK
V	20720	39.77	31.76	7.45	24.86	40.32	54	-13.68	AV
H	10360	53.26	30.85	7.45	24.69	54.55	74	-19.45	PK
H	10360	42.48	30.85	7.45	24.69	43.77	54	-10.23	AV
H	15540	52.87	31.38	7.45	24.75	53.69	74	-20.31	PK
H	15540	39.26	31.38	7.45	24.75	40.08	54	-13.92	AV
H	20720	53.72	31.76	7.45	24.86	54.27	74	-19.73	PK
H	20720	36.27	31.76	7.45	24.86	36.82	54	-17.18	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	53.65	30.85	7.45	24.69	54.94	74	-19.06	PK
V	10400	42.62	30.85	7.45	24.69	43.91	54	-10.09	AV
V	15600	52.76	31.38	7.45	24.75	53.58	74	-20.42	PK
V	15600	40.19	31.38	7.45	24.75	41.01	54	-12.99	AV
V	20800	50.84	31.76	7.45	24.86	51.39	74	-22.61	PK
V	20800	39.12	31.76	7.45	24.86	39.67	54	-14.33	AV
H	10400	53.76	30.85	7.45	24.69	55.05	74	-18.95	PK
H	10400	40.21	30.85	7.45	24.69	41.50	54	-12.50	AV
H	15600	52.02	31.38	7.45	24.75	52.84	74	-21.16	PK
H	15600	40.36	31.38	7.45	24.75	41.18	54	-12.82	AV
H	20800	52.45	31.76	7.45	24.86	53.00	74	-21.00	PK
H	20800	38.16	31.76	7.45	24.86	38.71	54	-15.29	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)	
High Channel:5240MHz									
V	10480	52.65	30.85	7.45	24.69	53.94	74	-20.06	PK
V	10480	41.10	30.85	7.45	24.69	42.39	54	-11.61	AV
V	15720	52.50	31.38	7.45	24.75	53.32	74	-20.68	PK
V	15720	40.78	31.38	7.45	24.75	41.60	54	-12.40	AV
V	20960	51.40	31.76	7.45	24.86	51.95	74	-22.05	PK
V	20960	39.42	31.76	7.45	24.86	39.97	54	-14.03	AV
H	10480	54.04	30.85	7.45	24.69	55.33	74	-18.67	PK
H	10480	40.85	30.85	7.45	24.69	42.14	54	-11.86	AV
H	15720	53.70	31.38	7.45	24.75	54.52	74	-19.48	PK
H	15720	40.38	31.38	7.45	24.75	41.20	54	-12.80	AV
H	20960	53.76	31.76	7.45	24.86	54.31	74	-19.69	PK
H	20960	40.09	31.76	7.45	24.86	40.64	54	-13.36	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)	
High Channel:5745MHz									
V	11490	52.86	30.85	7.45	24.69	54.15	74	-19.85	PK
V	11490	41.76	30.85	7.45	24.69	43.05	54	-10.95	AV
V	17235	53.53	31.38	7.45	24.75	54.35	74	-19.65	PK
V	17235	40.01	31.38	7.45	24.75	40.83	54	-13.17	AV
V	22980	50.83	31.76	7.45	24.86	51.38	74	-22.62	PK
V	22980	38.25	31.76	7.45	24.86	38.80	54	-15.20	AV
H	11490	53.59	30.85	7.45	24.69	54.88	74	-19.12	PK
H	11490	40.94	30.85	7.45	24.69	42.23	54	-11.77	AV
H	17235	53.76	31.38	7.45	24.75	54.58	74	-19.42	PK
H	17235	38.94	31.38	7.45	24.75	39.76	54	-14.24	AV
H	22980	51.18	31.76	7.45	24.86	51.73	74	-22.27	PK
H	22980	37.70	31.76	7.45	24.86	38.25	54	-15.75	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)	
High Channel:5785MHz									
V	11570	54.25	30.85	7.45	24.69	55.54	74	-18.46	PK
V	11570	41.68	30.85	7.45	24.69	42.97	54	-11.03	AV
V	17355	52.56	31.38	7.45	24.75	53.38	74	-20.62	PK
V	17355	40.94	31.38	7.45	24.75	41.76	54	-12.24	AV
V	23140	51.58	31.76	7.45	24.86	52.13	74	-21.87	PK
V	23140	37.57	31.76	7.45	24.86	38.12	54	-15.88	AV
H	11570	52.49	30.85	7.45	24.69	53.78	74	-20.22	PK
H	11570	41.46	30.85	7.45	24.69	42.75	54	-11.25	AV
H	17355	52.19	31.38	7.45	24.75	53.01	74	-20.99	PK
H	17355	39.61	31.38	7.45	24.75	40.43	54	-13.57	AV
H	23140	52.47	31.76	7.45	24.86	53.02	74	-20.98	PK
H	23140	39.86	31.76	7.45	24.86	40.41	54	-13.59	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)	
High Channel:5825MHz									
V	11650	55.60	30.85	7.45	24.69	56.89	74	-17.11	PK
V	11650	42.51	30.85	7.45	24.69	43.80	54	-10.20	AV
V	17475	53.20	31.38	7.45	24.75	54.02	74	-19.98	PK
V	17475	39.38	31.38	7.45	24.75	40.20	54	-13.80	AV
V	23300	53.06	31.76	7.45	24.86	53.61	74	-20.39	PK
V	23300	38.60	31.76	7.45	24.86	39.15	54	-14.85	AV
H	11650	54.04	30.85	7.45	24.69	55.33	74	-18.67	PK
H	11650	41.38	30.85	7.45	24.69	42.67	54	-11.33	AV
H	17475	52.50	31.38	7.45	24.75	53.32	74	-20.68	PK
H	17475	41.59	31.38	7.45	24.75	42.41	54	-11.59	AV
H	23300	51.93	31.76	7.45	24.86	52.48	74	-21.52	PK
H	23300	39.31	31.76	7.45	24.86	39.86	54	-14.14	AV

ANT2-802.11n20

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	52.63	30.85	7.45	24.69	53.92	74	-20.08	PK
V	10360	41.00	30.85	7.45	24.69	42.29	54	-11.71	AV
V	15540	51.79	31.38	7.45	24.75	52.61	74	-21.39	PK
V	15540	41.72	31.38	7.45	24.75	42.54	54	-11.46	AV
V	20720	52.97	31.76	7.45	24.86	53.52	74	-20.48	PK
V	20720	39.32	31.76	7.45	24.86	39.87	54	-14.13	AV
H	10360	53.27	30.85	7.45	24.69	54.56	74	-19.44	PK
H	10360	40.10	30.85	7.45	24.69	41.39	54	-12.61	AV
H	15540	53.65	31.38	7.45	24.75	54.47	74	-19.53	PK
H	15540	41.58	31.38	7.45	24.75	42.40	54	-11.60	AV
H	20720	53.35	31.76	7.45	24.86	53.90	74	-20.10	PK
H	20720	39.06	31.76	7.45	24.86	39.61	54	-14.39	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amp lifier	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	53.47	30.85	7.45	24.69	54.76	74	-19.24	PK
V	10400	41.35	30.85	7.45	24.69	42.64	54	-11.36	AV
V	15600	52.02	31.38	7.45	24.75	52.84	74	-21.16	PK
V	15600	40.38	31.38	7.45	24.75	41.20	54	-12.80	AV
V	20800	51.21	31.76	7.45	24.86	51.76	74	-22.24	PK
V	20800	39.17	31.76	7.45	24.86	39.72	54	-14.28	AV
H	10400	54.42	30.85	7.45	24.69	55.71	74	-18.29	PK
H	10400	40.54	30.85	7.45	24.69	41.83	54	-12.17	AV
H	15600	53.41	31.38	7.45	24.75	54.23	74	-19.77	PK
H	15600	40.32	31.38	7.45	24.75	41.14	54	-12.86	AV
H	20800	51.55	31.76	7.45	24.86	52.10	74	-21.90	PK
H	20800	40.57	31.76	7.45	24.86	41.12	54	-12.88	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	53.72	30.85	7.45	24.69	55.01	74	-18.99	PK
V	10480	42.27	30.85	7.45	24.69	43.56	54	-10.44	AV
V	15720	52.79	31.38	7.45	24.75	53.61	74	-20.39	PK
V	15720	41.00	31.38	7.45	24.75	41.82	54	-12.18	AV
V	20960	52.36	31.76	7.45	24.86	52.91	74	-21.09	PK
V	20960	37.71	31.76	7.45	24.86	38.26	54	-15.74	AV
H	10480	54.64	30.85	7.45	24.69	55.93	74	-18.07	PK
H	10480	42.41	30.85	7.45	24.69	43.70	54	-10.30	AV
H	15720	52.89	31.38	7.45	24.75	53.71	74	-20.29	PK
H	15720	39.69	31.38	7.45	24.75	40.51	54	-13.49	AV
H	20960	51.36	31.76	7.45	24.86	51.91	74	-22.09	PK
H	20960	40.00	31.76	7.45	24.86	40.55	54	-13.45	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)	
High Channel:5745MHz									
V	11490	55.70	30.85	7.45	24.69	56.99	74	-17.01	PK
V	11490	42.33	30.85	7.45	24.69	43.62	54	-10.38	AV
V	17235	52.83	31.38	7.45	24.75	53.65	74	-20.35	PK
V	17235	41.36	31.38	7.45	24.75	42.18	54	-11.82	AV
V	22980	53.36	31.76	7.45	24.86	53.91	74	-20.09	PK
V	22980	37.19	31.76	7.45	24.86	37.74	54	-16.26	AV
H	11490	52.53	30.85	7.45	24.69	53.82	74	-20.18	PK
H	11490	40.88	30.85	7.45	24.69	42.17	54	-11.83	AV
H	17235	52.34	31.38	7.45	24.75	53.16	74	-20.84	PK
H	17235	40.74	31.38	7.45	24.75	41.56	54	-12.44	AV
H	22980	52.62	31.76	7.45	24.86	53.17	74	-20.83	PK
H	22980	37.43	31.76	7.45	24.86	37.98	54	-16.02	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)	
High Channel:5785MHz									
V	11570	54.56	30.85	7.45	24.69	55.85	74	-18.15	PK
V	11570	41.15	30.85	7.45	24.69	42.44	54	-11.56	AV
V	17355	52.46	31.38	7.45	24.75	53.28	74	-20.72	PK
V	17355	39.53	31.38	7.45	24.75	40.35	54	-13.65	AV
V	23140	53.24	31.76	7.45	24.86	53.79	74	-20.21	PK
V	23140	36.34	31.76	7.45	24.86	36.89	54	-17.11	AV
H	11570	55.48	30.85	7.45	24.69	56.77	74	-17.23	PK
H	11570	41.20	30.85	7.45	24.69	42.49	54	-11.51	AV
H	17355	52.93	31.38	7.45	24.75	53.75	74	-20.25	PK
H	17355	39.35	31.38	7.45	24.75	40.17	54	-13.83	AV
H	23140	52.75	31.76	7.45	24.86	53.30	74	-20.70	PK
H	23140	40.16	31.76	7.45	24.86	40.71	54	-13.29	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)	
High Channel:5825MHz									
V	11650	54.77	30.85	7.45	24.69	56.06	74	-17.94	PK
V	11650	40.82	30.85	7.45	24.69	42.11	54	-11.89	AV
V	17475	52.37	31.38	7.45	24.75	53.19	74	-20.81	PK
V	17475	38.96	31.38	7.45	24.75	39.78	54	-14.22	AV
V	23300	50.86	31.76	7.45	24.86	51.41	74	-22.59	PK
V	23300	38.84	31.76	7.45	24.86	39.39	54	-14.61	AV
H	11650	53.14	30.85	7.45	24.69	54.43	74	-19.57	PK
H	11650	40.61	30.85	7.45	24.69	41.90	54	-12.10	AV
H	17475	52.37	31.38	7.45	24.75	53.19	74	-20.81	PK
H	17475	39.72	31.38	7.45	24.75	40.54	54	-13.46	AV
H	23300	52.88	31.76	7.45	24.86	53.43	74	-20.57	PK
H	23300	39.93	31.76	7.45	24.86	40.48	54	-13.52	AV

ANT2-802.11n40

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	10380	54.16	30.85	7.45	24.69	55.45	74	-18.55	PK
V	10380	41.40	30.85	7.45	24.69	42.69	54	-11.31	AV
V	15570	52.25	31.38	7.45	24.75	53.07	74	-20.93	PK
V	15570	40.47	31.38	7.45	24.75	41.29	54	-12.71	AV
V	20760	52.55	31.76	7.45	24.86	53.10	74	-20.90	PK
V	20760	40.07	31.76	7.45	24.86	40.62	54	-13.38	AV
H	10380	54.54	30.85	7.45	24.69	55.83	74	-18.17	PK
H	10380	41.03	30.85	7.45	24.69	42.32	54	-11.68	AV
H	15570	52.97	31.38	7.45	24.75	53.79	74	-20.21	PK
H	15570	40.47	31.38	7.45	24.75	41.29	54	-12.71	AV
H	20760	51.43	31.76	7.45	24.86	51.98	74	-22.02	PK
H	20760	40.19	31.76	7.45	24.86	40.74	54	-13.26	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	52.39	30.85	7.45	24.69	53.68	74	-20.32	PK
V	10460	40.58	30.85	7.45	24.69	41.87	54	-12.13	AV
V	15690	52.27	31.38	7.45	24.75	53.09	74	-20.91	PK
V	15690	40.86	31.38	7.45	24.75	41.68	54	-12.32	AV
V	20920	52.22	31.76	7.45	24.86	52.77	74	-21.23	PK
V	20920	40.19	31.76	7.45	24.86	40.74	54	-13.26	AV
H	10460	52.94	30.85	7.45	24.69	54.23	74	-19.77	PK
H	10460	42.01	30.85	7.45	24.69	43.30	54	-10.70	AV
H	15690	52.46	31.38	7.45	24.75	53.28	74	-20.72	PK
H	15690	40.40	31.38	7.45	24.75	41.22	54	-12.78	AV
H	20920	51.95	31.76	7.45	24.86	52.50	74	-21.50	PK
H	20920	37.34	31.76	7.45	24.86	37.89	54	-16.11	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)	
High Channel:5755MHz									
V	11510	53.07	30.85	7.45	24.69	54.36	74	-19.64	PK
V	11510	40.53	30.85	7.45	24.69	41.82	54	-12.18	AV
V	17265	53.75	31.38	7.45	24.75	54.57	74	-19.43	PK
V	17265	39.29	31.38	7.45	24.75	40.11	54	-13.89	AV
V	23020	51.04	31.76	7.45	24.86	51.59	74	-22.41	PK
V	23020	39.20	31.76	7.45	24.86	39.75	54	-14.25	AV
H	11510	52.05	30.85	7.45	24.69	53.34	74	-20.66	PK
H	11510	40.23	30.85	7.45	24.69	41.52	54	-12.48	AV
H	17265	52.98	31.38	7.45	24.75	53.80	74	-20.20	PK
H	17265	41.30	31.38	7.45	24.75	42.12	54	-11.88	AV
H	23020	53.13	31.76	7.45	24.86	53.68	74	-20.32	PK
H	23020	37.05	31.76	7.45	24.86	37.60	54	-16.40	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)	
High Channel:5795MHz									
V	11590	51.92	30.85	7.45	24.69	53.21	74	-20.79	PK
V	11590	42.08	30.85	7.45	24.69	43.37	54	-10.63	AV
V	17385	52.24	31.38	7.45	24.75	53.06	74	-20.94	PK
V	17385	41.39	31.38	7.45	24.75	42.21	54	-11.79	AV
V	23180	51.09	31.76	7.45	24.86	51.64	74	-22.36	PK
V	23180	36.69	31.76	7.45	24.86	37.24	54	-16.76	AV
H	11590	55.44	30.85	7.45	24.69	56.73	74	-17.27	PK
H	11590	40.99	30.85	7.45	24.69	42.28	54	-11.72	AV
H	17385	51.83	31.38	7.45	24.75	52.65	74	-21.35	PK
H	17385	40.32	31.38	7.45	24.75	41.14	54	-12.86	AV
H	23180	53.69	31.76	7.45	24.86	54.24	74	-19.76	PK
H	23180	36.00	31.76	7.45	24.86	36.55	54	-17.45	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.

ANT2--802.11ac20

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	51.86	30.85	7.45	24.69	53.15	74	-20.85	PK
V	10360	40.01	30.85	7.45	24.69	41.30	54	-12.70	AV
V	15540	51.88	31.38	7.45	24.75	52.70	74	-21.30	PK
V	15540	41.06	31.38	7.45	24.75	41.88	54	-12.12	AV
V	20720	50.94	31.76	7.45	24.86	51.49	74	-22.51	PK
V	20720	38.70	31.76	7.45	24.86	39.25	54	-14.75	AV
H	10360	52.43	30.85	7.45	24.69	53.72	74	-20.28	PK
H	10360	41.24	30.85	7.45	24.69	42.53	54	-11.47	AV
H	15540	53.44	31.38	7.45	24.75	54.26	74	-19.74	PK
H	15540	40.08	31.38	7.45	24.75	40.90	54	-13.10	AV
H	20720	52.78	31.76	7.45	24.86	53.33	74	-20.67	PK
H	20720	39.70	31.76	7.45	24.86	40.25	54	-13.75	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amp lifier	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	51.80	30.85	7.45	24.69	53.09	74	-20.91	PK
V	10400	42.08	30.85	7.45	24.69	43.37	54	-10.63	AV
V	15600	51.83	31.38	7.45	24.75	52.65	74	-21.35	PK
V	15600	40.50	31.38	7.45	24.75	41.32	54	-12.68	AV
V	20800	51.20	31.76	7.45	24.86	51.75	74	-22.25	PK
V	20800	40.24	31.76	7.45	24.86	40.79	54	-13.21	AV
H	10400	54.89	30.85	7.45	24.69	56.18	74	-17.82	PK
H	10400	41.12	30.85	7.45	24.69	42.41	54	-11.59	AV
H	15600	52.79	31.38	7.45	24.75	53.61	74	-20.39	PK
H	15600	39.13	31.38	7.45	24.75	39.95	54	-14.05	AV
H	20800	53.28	31.76	7.45	24.86	53.83	74	-20.17	PK
H	20800	40.11	31.76	7.45	24.86	40.66	54	-13.34	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	53.29	30.85	7.45	24.69	54.58	74	-19.42	PK
V	10480	40.69	30.85	7.45	24.69	41.98	54	-12.02	AV
V	15720	52.03	31.38	7.45	24.75	52.85	74	-21.15	PK
V	15720	40.71	31.38	7.45	24.75	41.53	54	-12.47	AV
V	20960	51.90	31.76	7.45	24.86	52.45	74	-21.55	PK
V	20960	37.69	31.76	7.45	24.86	38.24	54	-15.76	AV
H	10480	55.43	30.85	7.45	24.69	56.72	74	-17.28	PK
H	10480	41.01	30.85	7.45	24.69	42.30	54	-11.70	AV
H	15720	53.35	31.38	7.45	24.75	54.17	74	-19.83	PK
H	15720	40.44	31.38	7.45	24.75	41.26	54	-12.74	AV
H	20960	53.35	31.76	7.45	24.86	53.90	74	-20.10	PK
H	20960	39.06	31.76	7.45	24.86	39.61	54	-14.39	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)	
High Channel:5745MHz									
V	11490	51.77	30.85	7.45	24.69	53.06	74	-20.94	PK
V	11490	41.01	30.85	7.45	24.69	42.30	54	-11.70	AV
V	17235	53.32	31.38	7.45	24.75	54.14	74	-19.86	PK
V	17235	41.11	31.38	7.45	24.75	41.93	54	-12.07	AV
V	22980	53.05	31.76	7.45	24.86	53.60	74	-20.40	PK
V	22980	37.44	31.76	7.45	24.86	37.99	54	-16.01	AV
H	11490	54.86	30.85	7.45	24.69	56.15	74	-17.85	PK
H	11490	40.82	30.85	7.45	24.69	42.11	54	-11.89	AV
H	17235	52.63	31.38	7.45	24.75	53.45	74	-20.55	PK
H	17235	39.31	31.38	7.45	24.75	40.13	54	-13.87	AV
H	22980	52.98	31.76	7.45	24.86	53.53	74	-20.47	PK
H	22980	37.29	31.76	7.45	24.86	37.84	54	-16.16	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)	
High Channel:5785MHz									
V	11570	52.36	30.85	7.45	24.69	53.65	74	-20.35	PK
V	11570	42.22	30.85	7.45	24.69	43.51	54	-10.49	AV
V	17355	52.91	31.38	7.45	24.75	53.73	74	-20.27	PK
V	17355	40.81	31.38	7.45	24.75	41.63	54	-12.37	AV
V	23140	53.05	31.76	7.45	24.86	53.60	74	-20.40	PK
V	23140	36.90	31.76	7.45	24.86	37.45	54	-16.55	AV
H	11570	55.19	30.85	7.45	24.69	56.48	74	-17.52	PK
H	11570	40.05	30.85	7.45	24.69	41.34	54	-12.66	AV
H	17355	53.28	31.38	7.45	24.75	54.10	74	-19.90	PK
H	17355	39.83	31.38	7.45	24.75	40.65	54	-13.35	AV
H	23140	52.28	31.76	7.45	24.86	52.83	74	-21.17	PK
H	23140	37.63	31.76	7.45	24.86	38.18	54	-15.82	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)	
High Channel:5795MHz									
V	11590	55.04	30.85	7.45	24.69	56.33	74	-17.67	PK
V	11590	41.58	30.85	7.45	24.69	42.87	54	-11.13	AV
V	17385	53.18	31.38	7.45	24.75	54.00	74	-20.00	PK
V	17385	41.01	31.38	7.45	24.75	41.83	54	-12.17	AV
V	23180	53.18	31.76	7.45	24.86	53.73	74	-20.27	PK
V	23180	36.42	31.76	7.45	24.86	36.97	54	-17.03	AV
H	11590	53.71	30.85	7.45	24.69	55.00	74	-19.00	PK
H	11590	40.19	30.85	7.45	24.69	41.48	54	-12.52	AV
H	17385	51.98	31.38	7.45	24.75	52.80	74	-21.20	PK
H	17385	41.44	31.38	7.45	24.75	42.26	54	-11.74	AV
H	23180	52.94	31.76	7.45	24.86	53.49	74	-20.51	PK
H	23180	36.35	31.76	7.45	24.86	36.90	54	-17.10	AV

ANT2-802.11ac40

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:5190MHz									
V	10380	54.98	30.85	7.45	24.69	56.27	74	-17.73	PK
V	10380	41.65	30.85	7.45	24.69	42.94	54	-11.06	AV
V	15570	53.76	31.38	7.45	24.75	54.58	74	-19.42	PK
V	15570	41.00	31.38	7.45	24.75	41.82	54	-12.18	AV
V	20760	50.91	31.76	7.45	24.86	51.46	74	-22.54	PK
V	20760	40.50	31.76	7.45	24.86	41.05	54	-12.95	AV
H	10380	54.00	30.85	7.45	24.69	55.29	74	-18.71	PK
H	10380	39.85	30.85	7.45	24.69	41.14	54	-12.86	AV
H	15570	53.09	31.38	7.45	24.75	53.91	74	-20.09	PK
H	15570	41.38	31.38	7.45	24.75	42.20	54	-11.80	AV
H	20760	50.95	31.76	7.45	24.86	51.50	74	-22.50	PK
H	20760	38.57	31.76	7.45	24.86	39.12	54	-14.88	AV

Polar (H/V)	Frequenc y	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:5230MHz									
V	10460	53.72	30.85	7.45	24.69	55.01	74	-18.99	PK
V	10460	41.16	30.85	7.45	24.69	42.45	54	-11.55	AV
V	15690	53.29	31.38	7.45	24.75	54.11	74	-19.89	PK
V	15690	39.01	31.38	7.45	24.75	39.83	54	-14.17	AV
V	20920	53.40	31.76	7.45	24.86	53.95	74	-20.05	PK
V	20920	40.26	31.76	7.45	24.86	40.81	54	-13.19	AV
H	10460	54.32	30.85	7.45	24.69	55.61	74	-18.39	PK
H	10460	40.39	30.85	7.45	24.69	41.68	54	-12.32	AV
H	15690	52.63	31.38	7.45	24.75	53.45	74	-20.55	PK
H	15690	39.01	31.38	7.45	24.75	39.83	54	-14.17	AV
H	20920	52.56	31.76	7.45	24.86	53.11	74	-20.89	PK
H	20920	37.87	31.76	7.45	24.86	38.42	54	-15.58	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)	
High Channel:5755MHz									
V	11510	53.64	30.85	7.45	24.69	54.93	74	-19.07	PK
V	11510	41.49	30.85	7.45	24.69	42.78	54	-11.22	AV
V	17265	51.90	31.38	7.45	24.75	52.72	74	-21.28	PK
V	17265	40.01	31.38	7.45	24.75	40.83	54	-13.17	AV
V	23020	50.86	31.76	7.45	24.86	51.41	74	-22.59	PK
V	23020	37.03	31.76	7.45	24.86	37.58	54	-16.42	AV
H	11510	55.08	30.85	7.45	24.69	56.37	74	-17.63	PK
H	11510	41.34	30.85	7.45	24.69	42.63	54	-11.37	AV
H	17265	53.57	31.38	7.45	24.75	54.39	74	-19.61	PK
H	17265	41.21	31.38	7.45	24.75	42.03	54	-11.97	AV
H	23020	52.68	31.76	7.45	24.86	53.23	74	-20.77	PK
H	23020	36.03	31.76	7.45	24.86	36.58	54	-17.42	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)	
High Channel:5795MHz									
V	11590	52.54	30.85	7.45	24.69	53.83	74	-20.17	PK
V	11590	40.68	30.85	7.45	24.69	41.97	54	-12.03	AV
V	17385	53.59	31.38	7.45	24.75	54.41	74	-19.59	PK
V	17385	39.89	31.38	7.45	24.75	40.71	54	-13.29	AV
V	23180	53.01	31.76	7.45	24.86	53.56	74	-20.44	PK
V	23180	39.99	31.76	7.45	24.86	40.54	54	-13.46	AV
H	11590	55.40	30.85	7.45	24.69	56.69	74	-17.31	PK
H	11590	40.99	30.85	7.45	24.69	42.28	54	-11.72	AV
H	17385	52.61	31.38	7.45	24.75	53.43	74	-20.57	PK
H	17385	40.95	31.38	7.45	24.75	41.77	54	-12.23	AV
H	23180	53.50	31.76	7.45	24.86	54.05	74	-19.95	PK
H	23180	37.27	31.76	7.45	24.86	37.82	54	-16.18	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	53.69	30.85	7.45	24.69	54.98	74	-19.02	PK
V	10420	40.96	30.85	7.45	24.69	42.25	54	-11.75	AV
V	15630	52.33	31.38	7.45	24.75	53.15	74	-20.85	PK
V	15630	40.83	31.38	7.45	24.75	41.65	54	-12.35	AV
V	20840	52.96	31.76	7.45	24.86	53.51	74	-20.49	PK
V	20840	39.66	31.76	7.45	24.86	40.21	54	-13.79	AV
H	10420	54.59	30.85	7.45	24.69	55.88	74	-18.12	PK
H	10420	41.37	30.85	7.45	24.69	42.66	54	-11.34	AV
H	15630	53.52	31.38	7.45	24.75	54.34	74	-19.66	PK
H	15630	39.08	31.38	7.45	24.75	39.90	54	-14.10	AV
H	20840	51.16	31.76	7.45	24.86	51.71	74	-22.29	PK
H	20840	39.62	31.76	7.45	24.86	40.17	54	-13.83	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)	
High Channel:5775MHz									
V	11550	54.98	30.85	7.45	24.69	56.27	74	-17.73	PK
V	11550	39.97	30.85	7.45	24.69	41.26	54	-12.74	AV
V	17325	51.88	31.38	7.45	24.75	52.70	74	-21.30	PK
V	17325	41.29	31.38	7.45	24.75	42.11	54	-11.89	AV
V	23100	52.21	31.76	7.45	24.86	52.76	74	-21.24	PK
V	23100	38.86	31.76	7.45	24.86	39.41	54	-14.59	AV
H	11550	52.08	30.85	7.45	24.69	53.37	74	-20.63	PK
H	11550	41.77	30.85	7.45	24.69	43.06	54	-10.94	AV
H	17325	52.06	31.38	7.45	24.75	52.88	74	-21.12	PK
H	17325	39.47	31.38	7.45	24.75	40.29	54	-13.71	AV
H	23100	52.67	31.76	7.45	24.86	53.22	74	-20.78	PK
H	23100	36.92	31.76	7.45	24.86	37.47	54	-16.53	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.

MIMO-802.11n20

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	55.08	30.85	7.45	24.69	56.37	74	-17.63	PK
V	10360	44.68	30.85	7.45	24.69	45.97	54	-8.03	AV
V	15540	55.65	31.38	7.45	24.75	56.47	74	-17.53	PK
V	15540	42.33	31.38	7.45	24.75	43.15	54	-10.85	AV
V	20720	56.83	31.76	7.45	24.86	57.38	74	-16.62	PK
V	20720	43.22	31.76	7.45	24.86	43.77	54	-10.23	AV
H	10360	55.87	30.85	7.45	24.69	57.16	74	-16.84	PK
H	10360	44.30	30.85	7.45	24.69	45.59	54	-8.41	AV
H	15540	56.17	31.38	7.45	24.75	56.99	74	-17.01	PK
H	15540	43.60	31.38	7.45	24.75	44.42	54	-9.58	AV
H	20720	55.75	31.76	7.45	24.86	56.30	74	-17.70	PK
H	20720	44.06	31.76	7.45	24.86	44.61	54	-9.39	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	55.59	30.85	7.45	24.69	56.88	74	-17.12	PK
V	10400	45.28	30.85	7.45	24.69	46.57	54	-7.43	AV
V	15600	56.51	31.38	7.45	24.75	57.33	74	-16.67	PK
V	15600	44.52	31.38	7.45	24.75	45.34	54	-8.66	AV
V	20800	56.46	31.76	7.45	24.86	57.01	74	-16.99	PK
V	20800	44.50	31.76	7.45	24.86	45.05	54	-8.95	AV
H	10400	55.26	30.85	7.45	24.69	56.55	74	-17.45	PK
H	10400	46.26	30.85	7.45	24.69	47.55	54	-6.45	AV
H	15600	56.30	31.38	7.45	24.75	57.12	74	-16.88	PK
H	15600	43.21	31.38	7.45	24.75	44.03	54	-9.97	AV
H	20800	56.26	31.76	7.45	24.86	56.81	74	-17.19	PK
H	20800	44.04	31.76	7.45	24.86	44.59	54	-9.41	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:5240MHz									
V	10480	57.65	30.85	7.45	24.69	58.94	74	-15.06	PK
V	10480	44.68	30.85	7.45	24.69	45.97	54	-8.03	AV
V	15720	56.22	31.38	7.45	24.75	57.04	74	-16.96	PK
V	15720	41.83	31.38	7.45	24.75	42.65	54	-11.35	AV

V	20960	55.56	31.76	7.45	24.86	56.11	74	-17.89	PK
V	20960	44.65	31.76	7.45	24.86	45.20	54	-8.80	AV
H	10480	55.91	30.85	7.45	24.69	57.20	74	-16.80	PK
H	10480	45.77	30.85	7.45	24.69	47.06	54	-6.94	AV
H	15720	55.82	31.38	7.45	24.75	56.64	74	-17.36	PK
H	15720	43.17	31.38	7.45	24.75	43.99	54	-10.01	AV
H	20960	56.68	31.76	7.45	24.86	57.23	74	-16.77	PK
H	20960	45.74	31.76	7.45	24.86	46.29	54	-7.71	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
High Channel:5745MHz									
V	11490	58.28	30.85	7.45	24.69	59.57	74	-14.43	PK
V	11490	44.44	30.85	7.45	24.69	45.73	54	-8.27	AV
V	17235	56.14	31.38	7.45	24.75	56.96	74	-17.04	PK
V	17235	44.46	31.38	7.45	24.75	45.28	54	-8.72	AV
V	22980	57.67	31.76	7.45	24.86	58.22	74	-15.78	PK
V	22980	42.41	31.76	7.45	24.86	42.96	54	-11.04	AV
H	11490	57.54	30.85	7.45	24.69	58.83	74	-15.17	PK
H	11490	45.97	30.85	7.45	24.69	47.26	54	-6.74	AV
H	17235	57.29	31.38	7.45	24.75	58.11	74	-15.89	PK
H	17235	44.93	31.38	7.45	24.75	45.75	54	-8.25	AV
H	22980	56.76	31.76	7.45	24.86	57.31	74	-16.69	PK
H	22980	45.44	31.76	7.45	24.86	45.99	54	-8.01	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
High Channel:5785MHz									
V	11570	56.39	30.85	7.45	24.69	57.68	74	-16.32	PK
V	11570	42.92	30.85	7.45	24.69	44.21	54	-9.79	AV
V	17355	56.70	31.38	7.45	24.75	57.52	74	-16.48	PK
V	17355	44.55	31.38	7.45	24.75	45.37	54	-8.63	AV
V	23140	55.91	31.76	7.45	24.86	56.46	74	-17.54	PK
V	23140	42.40	31.76	7.45	24.86	42.95	54	-11.05	AV
H	11570	55.68	30.85	7.45	24.69	56.97	74	-17.03	PK
H	11570	45.07	30.85	7.45	24.69	46.36	54	-7.64	AV
H	17355	56.62	31.38	7.45	24.75	57.44	74	-16.56	PK
H	17355	44.94	31.38	7.45	24.75	45.76	54	-8.24	AV
H	23140	57.13	31.76	7.45	24.86	57.68	74	-16.32	PK
H	23140	43.17	31.76	7.45	24.86	43.72	54	-10.28	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
High Channel:5825MHz									
V	11650	57.79	30.85	7.45	24.69	59.08	74	-14.92	PK
V	11650	43.47	30.85	7.45	24.69	44.76	54	-9.24	AV
V	17475	55.60	31.38	7.45	24.75	56.42	74	-17.58	PK
V	17475	44.04	31.38	7.45	24.75	44.86	54	-9.14	AV
V	23300	55.04	31.76	7.45	24.86	55.59	74	-18.41	PK

V	23300	43.46	31.76	7.45	24.86	44.01	54	-9.99	AV
H	11650	57.62	30.85	7.45	24.69	58.91	74	-15.09	PK
H	11650	44.37	30.85	7.45	24.69	45.66	54	-8.34	AV
H	17475	56.27	31.38	7.45	24.75	57.09	74	-16.91	PK
H	17475	45.46	31.38	7.45	24.75	46.28	54	-7.72	AV
H	23300	56.44	31.76	7.45	24.86	56.99	74	-17.01	PK
H	23300	44.41	31.76	7.45	24.86	44.96	54	-9.04	AV

MIMO-802.11n40

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	10380	58.66	30.85	7.45	24.69	59.95	74	-14.05	PK
V	10380	43.70	30.85	7.45	24.69	44.99	54	-9.01	AV
V	15570	56.15	31.38	7.45	24.75	56.97	74	-17.03	PK
V	15570	43.33	31.38	7.45	24.75	44.15	54	-9.85	AV
V	20760	55.62	31.76	7.45	24.86	56.17	74	-17.83	PK
V	20760	43.66	31.76	7.45	24.86	44.21	54	-9.79	AV
H	10380	55.44	30.85	7.45	24.69	56.73	74	-17.27	PK
H	10380	45.63	30.85	7.45	24.69	46.92	54	-7.08	AV
H	15570	56.96	31.38	7.45	24.75	57.78	74	-16.22	PK
H	15570	45.47	31.38	7.45	24.75	46.29	54	-7.71	AV
H	20760	55.46	31.76	7.45	24.86	56.01	74	-17.99	PK
H	20760	45.05	31.76	7.45	24.86	45.60	54	-8.40	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	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	58.73	30.85	7.45	24.69	60.02	74	-13.98	PK
V	10460	45.40	30.85	7.45	24.69	46.69	54	-7.31	AV
V	15690	55.66	31.38	7.45	24.75	56.48	74	-17.52	PK
V	15690	44.52	31.38	7.45	24.75	45.34	54	-8.66	AV
V	20920	55.07	31.76	7.45	24.86	55.62	74	-18.38	PK
V	20920	42.52	31.76	7.45	24.86	43.07	54	-10.93	AV
H	10460	58.15	30.85	7.45	24.69	59.44	74	-14.56	PK
H	10460	43.90	30.85	7.45	24.69	45.19	54	-8.81	AV
H	15690	57.44	31.38	7.45	24.75	58.26	74	-15.74	PK
H	15690	44.46	31.38	7.45	24.75	45.28	54	-8.72	AV
H	20920	54.82	31.76	7.45	24.86	55.37	74	-18.63	PK
H	20920	44.37	31.76	7.45	24.86	44.92	54	-9.08	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)	
High Channel:5755MHz									
V	11510	58.55	30.85	7.45	24.69	59.84	74	-14.16	PK
V	11510	43.31	30.85	7.45	24.69	44.60	54	-9.40	AV
V	17265	56.08	31.38	7.45	24.75	56.90	74	-17.10	PK
V	17265	41.97	31.38	7.45	24.75	42.79	54	-11.21	AV
V	23020	56.69	31.76	7.45	24.86	57.24	74	-16.76	PK

V	23020	44.04	31.76	7.45	24.86	44.59	54	-9.41	AV
H	11510	56.30	30.85	7.45	24.69	57.59	74	-16.41	PK
H	11510	46.09	30.85	7.45	24.69	47.38	54	-6.62	AV
H	17265	55.94	31.38	7.45	24.75	56.76	74	-17.24	PK
H	17265	43.06	31.38	7.45	24.75	43.88	54	-10.12	AV
H	23020	54.81	31.76	7.45	24.86	55.36	74	-18.64	PK
H	23020	43.65	31.76	7.45	24.86	44.20	54	-9.80	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:5795MHz									
V	11590	55.69	30.85	7.45	24.69	56.98	74	-17.02	PK
V	11590	44.28	30.85	7.45	24.69	45.57	54	-8.43	AV
V	17385	56.14	31.38	7.45	24.75	56.96	74	-17.04	PK
V	17385	43.03	31.38	7.45	24.75	43.85	54	-10.15	AV
V	23180	55.72	31.76	7.45	24.86	56.27	74	-17.73	PK
V	23180	44.72	31.76	7.45	24.86	45.27	54	-8.73	AV
H	11590	57.80	30.85	7.45	24.69	59.09	74	-14.91	PK
H	11590	45.64	30.85	7.45	24.69	46.93	54	-7.07	AV
H	17385	55.88	31.38	7.45	24.75	56.70	74	-17.30	PK
H	17385	43.93	31.38	7.45	24.75	44.75	54	-9.25	AV
H	23180	55.74	31.76	7.45	24.86	56.29	74	-17.71	PK
H	23180	44.14	31.76	7.45	24.86	44.69	54	-9.31	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.

MIMO--802.11ac20

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
Low Channel:5180MHz									
V	10360	56.41	30.85	7.45	24.69	57.70	74	-16.30	PK
V	10360	44.53	30.85	7.45	24.69	45.82	54	-8.18	AV
V	15540	55.04	31.38	7.45	24.75	55.86	74	-18.14	PK
V	15540	44.60	31.38	7.45	24.75	45.42	54	-8.58	AV
V	20720	55.10	31.76	7.45	24.86	55.65	74	-18.35	PK
V	20720	44.00	31.76	7.45	24.86	44.55	54	-9.45	AV
H	10360	58.25	30.85	7.45	24.69	59.54	74	-14.46	PK
H	10360	45.65	30.85	7.45	24.69	46.94	54	-7.06	AV
H	15540	57.41	31.38	7.45	24.75	58.23	74	-15.77	PK
H	15540	45.42	31.38	7.45	24.75	46.24	54	-7.76	AV
H	20720	56.73	31.76	7.45	24.86	57.28	74	-16.72	PK
H	20720	44.94	31.76	7.45	24.86	45.49	54	-8.51	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or
-------------	-----------	---------------	---------------	------------	----------------	----------------	--------	--------	-----------

	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Type
Middle Channel:5200MHz									
V	10400	54.99	30.85	7.45	24.69	56.28	74	-17.72	PK
V	10400	44.60	30.85	7.45	24.69	45.89	54	-8.11	AV
V	15600	56.43	31.38	7.45	24.75	57.25	74	-16.75	PK
V	15600	42.70	31.38	7.45	24.75	43.52	54	-10.48	AV
V	20800	57.60	31.76	7.45	24.86	58.15	74	-15.85	PK
V	20800	44.24	31.76	7.45	24.86	44.79	54	-9.21	AV
H	10400	57.72	30.85	7.45	24.69	59.01	74	-14.99	PK
H	10400	45.13	30.85	7.45	24.69	46.42	54	-7.58	AV
H	15600	55.94	31.38	7.45	24.75	56.76	74	-17.24	PK
H	15600	45.52	31.38	7.45	24.75	46.34	54	-7.66	AV
H	20800	54.83	31.76	7.45	24.86	55.38	74	-18.62	PK
H	20800	44.74	31.76	7.45	24.86	45.29	54	-8.71	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:5240MHz									
V	10480	57.81	30.85	7.45	24.69	59.10	74	-14.90	PK
V	10480	44.91	30.85	7.45	24.69	46.20	54	-7.80	AV
V	15720	56.75	31.38	7.45	24.75	57.57	74	-16.43	PK
V	15720	41.83	31.38	7.45	24.75	42.65	54	-11.35	AV
V	20960	56.33	31.76	7.45	24.86	56.88	74	-17.12	PK
V	20960	41.93	31.76	7.45	24.86	42.48	54	-11.52	AV
H	10480	58.32	30.85	7.45	24.69	59.61	74	-14.39	PK
H	10480	44.33	30.85	7.45	24.69	45.62	54	-8.38	AV
H	15720	56.42	31.38	7.45	24.75	57.24	74	-16.76	PK
H	15720	43.22	31.38	7.45	24.75	44.04	54	-9.96	AV
H	20960	56.94	31.76	7.45	24.86	57.49	74	-16.51	PK
H	20960	44.56	31.76	7.45	24.86	45.11	54	-8.89	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:5745MHz									
V	11490	56.78	30.85	7.45	24.69	58.07	74	-15.93	PK
V	11490	43.47	30.85	7.45	24.69	44.76	54	-9.24	AV
V	17235	55.42	31.38	7.45	24.75	56.24	74	-17.76	PK
V	17235	44.42	31.38	7.45	24.75	45.24	54	-8.76	AV
V	22980	55.82	31.76	7.45	24.86	56.37	74	-17.63	PK
V	22980	43.10	31.76	7.45	24.86	43.65	54	-10.35	AV
H	11490	56.90	30.85	7.45	24.69	58.19	74	-15.81	PK
H	11490	44.68	30.85	7.45	24.69	45.97	54	-8.03	AV
H	17235	55.84	31.38	7.45	24.75	56.66	74	-17.34	PK
H	17235	42.85	31.38	7.45	24.75	43.67	54	-10.33	AV
H	22980	57.52	31.76	7.45	24.86	58.07	74	-15.93	PK
H	22980	44.17	31.76	7.45	24.86	44.72	54	-9.28	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or
-------------	-----------	---------------	---------------	------------	----------------	----------------	--------	--------	-----------

	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Type
High Channel:5785MHz									
V	11570	56.95	30.85	7.45	24.69	58.24	74	-15.76	PK
V	11570	45.55	30.85	7.45	24.69	46.84	54	-7.16	AV
V	17355	55.15	31.38	7.45	24.75	55.97	74	-18.03	PK
V	17355	44.16	31.38	7.45	24.75	44.98	54	-9.02	AV
V	23140	56.22	31.76	7.45	24.86	56.77	74	-17.23	PK
V	23140	43.09	31.76	7.45	24.86	43.64	54	-10.36	AV
H	11570	55.35	30.85	7.45	24.69	56.64	74	-17.36	PK
H	11570	45.67	30.85	7.45	24.69	46.96	54	-7.04	AV
H	17355	56.69	31.38	7.45	24.75	57.51	74	-16.49	PK
H	17355	44.99	31.38	7.45	24.75	45.81	54	-8.19	AV
H	23140	55.23	31.76	7.45	24.86	55.78	74	-18.22	PK
H	23140	42.92	31.76	7.45	24.86	43.47	54	-10.53	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	11590	58.34	30.85	7.45	24.69	59.63	74	-14.37	PK
V	11590	44.45	30.85	7.45	24.69	45.74	54	-8.26	AV
V	17385	55.74	31.38	7.45	24.75	56.56	74	-17.44	PK
V	17385	44.67	31.38	7.45	24.75	45.49	54	-8.51	AV
V	23180	55.91	31.76	7.45	24.86	56.46	74	-17.54	PK
V	23180	43.45	31.76	7.45	24.86	44.00	54	-10.00	AV
H	11590	55.80	30.85	7.45	24.69	57.09	74	-16.91	PK
H	11590	45.37	30.85	7.45	24.69	46.66	54	-7.34	AV
H	17385	56.20	31.38	7.45	24.75	57.02	74	-16.98	PK
H	17385	45.45	31.38	7.45	24.75	46.27	54	-7.73	AV
H	23180	56.97	31.76	7.45	24.86	57.52	74	-16.48	PK
H	23180	44.06	31.76	7.45	24.86	44.61	54	-9.39	AV

MIMO-802.11ac40

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:5190MHz									
V	10380	55.88	30.85	7.45	24.69	57.17	74	-16.83	PK
V	10380	42.96	30.85	7.45	24.69	44.25	54	-9.75	AV
V	15570	55.01	31.38	7.45	24.75	55.83	74	-18.17	PK
V	15570	42.53	31.38	7.45	24.75	43.35	54	-10.65	AV
V	20760	56.12	31.76	7.45	24.86	56.67	74	-17.33	PK
V	20760	44.33	31.76	7.45	24.86	44.88	54	-9.12	AV
H	10380	57.87	30.85	7.45	24.69	59.16	74	-14.84	PK
H	10380	43.93	30.85	7.45	24.69	45.22	54	-8.78	AV
H	15570	56.90	31.38	7.45	24.75	57.72	74	-16.28	PK
H	15570	43.16	31.38	7.45	24.75	43.98	54	-10.02	AV
H	20760	55.27	31.76	7.45	24.86	55.82	74	-18.18	PK
H	20760	44.98	31.76	7.45	24.86	45.53	54	-8.47	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or
-------------	-----------	---------------	---------------	------------	----------------	----------------	--------	--------	-----------

	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Type
Middle Channel:5230MHz									
V	10460	58.74	30.85	7.45	24.69	60.03	74	-13.97	PK
V	10460	43.35	30.85	7.45	24.69	44.64	54	-9.36	AV
V	15690	56.72	31.38	7.45	24.75	57.54	74	-16.46	PK
V	15690	42.82	31.38	7.45	24.75	43.64	54	-10.36	AV
V	20920	56.26	31.76	7.45	24.86	56.81	74	-17.19	PK
V	20920	42.71	31.76	7.45	24.86	43.26	54	-10.74	AV
H	10460	57.84	30.85	7.45	24.69	59.13	74	-14.87	PK
H	10460	45.35	30.85	7.45	24.69	46.64	54	-7.36	AV
H	15690	57.55	31.38	7.45	24.75	58.37	74	-15.63	PK
H	15690	44.19	31.38	7.45	24.75	45.01	54	-8.99	AV
H	20920	55.08	31.76	7.45	24.86	55.63	74	-18.37	PK
H	20920	45.30	31.76	7.45	24.86	45.85	54	-8.15	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)	
High Channel:5755MHz									
V	11510	57.59	30.85	7.45	24.69	58.88	74	-15.12	PK
V	11510	45.63	30.85	7.45	24.69	46.92	54	-7.08	AV
V	17265	54.79	31.38	7.45	24.75	55.61	74	-18.39	PK
V	17265	44.31	31.38	7.45	24.75	45.13	54	-8.87	AV
V	23020	56.23	31.76	7.45	24.86	56.78	74	-17.22	PK
V	23020	43.60	31.76	7.45	24.86	44.15	54	-9.85	AV
H	11510	55.61	30.85	7.45	24.69	56.90	74	-17.10	PK
H	11510	44.58	30.85	7.45	24.69	45.87	54	-8.13	AV
H	17265	57.16	31.38	7.45	24.75	57.98	74	-16.02	PK
H	17265	44.94	31.38	7.45	24.75	45.76	54	-8.24	AV
H	23020	55.67	31.76	7.45	24.86	56.22	74	-17.78	PK
H	23020	45.12	31.76	7.45	24.86	45.67	54	-8.33	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)	
High Channel:5795MHz									
V	11590	58.52	30.85	7.45	24.69	59.81	74	-14.19	PK
V	11590	44.13	30.85	7.45	24.69	45.42	54	-8.58	AV
V	17385	55.46	31.38	7.45	24.75	56.28	74	-17.72	PK
V	17385	41.85	31.38	7.45	24.75	42.67	54	-11.33	AV
V	23180	55.26	31.76	7.45	24.86	55.81	74	-18.19	PK
V	23180	43.96	31.76	7.45	24.86	44.51	54	-9.49	AV
H	11590	56.76	30.85	7.45	24.69	58.05	74	-15.95	PK
H	11590	45.93	30.85	7.45	24.69	47.22	54	-6.78	AV
H	17385	56.44	31.38	7.45	24.75	57.26	74	-16.74	PK
H	17385	45.18	31.38	7.45	24.75	46.00	54	-8.00	AV
H	23180	56.70	31.76	7.45	24.86	57.25	74	-16.75	PK
H	23180	43.29	31.76	7.45	24.86	43.84	54	-10.16	AV

MIMO-802.11ac80

Polar (H/V)	Frequenc y	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or
----------------	---------------	------------------	-------------------	---------------	-------------------	-------------------	--------	--------	--------------

	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Type
5210MHz									
V	10420	56.10	30.85	7.45	24.69	57.39	74	-16.61	PK
V	10420	45.32	30.85	7.45	24.69	46.61	54	-7.39	AV
V	15630	56.37	31.38	7.45	24.75	57.19	74	-16.81	PK
V	15630	42.84	31.38	7.45	24.75	43.66	54	-10.34	AV
V	20840	56.15	31.76	7.45	24.86	56.70	74	-17.30	PK
V	20840	42.75	31.76	7.45	24.86	43.30	54	-10.70	AV
H	10420	57.58	30.85	7.45	24.69	58.87	74	-15.13	PK
H	10420	45.02	30.85	7.45	24.69	46.31	54	-7.69	AV
H	15630	55.99	31.38	7.45	24.75	56.81	74	-17.19	PK
H	15630	43.83	31.38	7.45	24.75	44.65	54	-9.35	AV
H	20840	57.18	31.76	7.45	24.86	57.73	74	-16.27	PK
H	20840	45.17	31.76	7.45	24.86	45.72	54	-8.28	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)	
5775MHz									
V	11550	57.08	30.85	7.45	24.69	58.37	74	-15.63	PK
V	11550	44.29	30.85	7.45	24.69	45.58	54	-8.42	AV
V	17325	55.92	31.38	7.45	24.75	56.74	74	-17.26	PK
V	17325	42.22	31.38	7.45	24.75	43.04	54	-10.96	AV
V	23100	56.86	31.76	7.45	24.86	57.41	74	-16.59	PK
V	23100	43.81	31.76	7.45	24.86	44.36	54	-9.64	AV
H	11550	55.90	30.85	7.45	24.69	57.19	74	-16.81	PK
H	11550	45.82	30.85	7.45	24.69	47.11	54	-6.89	AV
H	17325	57.25	31.38	7.45	24.75	58.07	74	-15.93	PK
H	17325	45.68	31.38	7.45	24.75	46.50	54	-7.50	AV
H	23100	55.17	31.76	7.45	24.86	55.72	74	-18.28	PK
H	23100	44.89	31.76	7.45	24.86	45.44	54	-8.56	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.

Radiated Band Edge Test:

ANT1

Worse case mode:		802.11a		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	56.10	-0.12	55.98	74	-18.02	peak	H
	42.23	-0.12	42.11	54	-11.89	AV	H
5150	54.37	-0.12	54.25	74	-19.75	peak	V
	41.78	-0.12	41.66	54	-12.34	AV	V

Worse case mode:		802.11a		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5250	58.20	-0.12	58.08	74	-15.92	peak	H
	42.90	-0.12	42.78	54	-11.22	AV	H
5250	54.24	-0.12	54.12	74	-19.88	peak	V
	42.18	-0.12	42.06	54	-11.94	AV	V

Worse case mode:		802.11a		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650	53.40	-0.12	53.28	68.2	-14.92	peak	H
5700	85.64	-0.12	85.52	105.2	-19.68	peak	H
5720	89.97	-0.12	89.85	110.8	-20.95	peak	H
5725	97.82	-0.12	97.70	122.2	-24.50	peak	H
5650	50.84	-0.12	50.72	68.2	-17.48	peak	V
5700	85.12	-0.12	85.00	105.2	-20.20	peak	V
5720	90.30	-0.12	90.18	110.8	-20.62	peak	V
5725	96.66	-0.12	96.54	122.2	-25.66	peak	V

Worse case mode:		802.11a		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	97.78	-0.12	97.66	122.2	-24.54	peak	H
5855	89.46	-0.12	89.34	110.8	-21.46	peak	H
5875	87.86	-0.12	87.74	105.2	-17.46	peak	H
5925	56.06	-0.12	55.94	68.2	-12.26	peak	H
5850	95.60	-0.12	95.48	122.2	-26.72	peak	V
5855	86.58	-0.12	86.46	110.8	-24.34	peak	V
5875	86.92	-0.12	86.80	105.2	-18.40	peak	V
5925	58.92	-0.12	58.80	68.2	-9.40	peak	V

Worse case mode:		802.11n20		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.

(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	57.97	-0.12	57.85	74	-16.15	peak	H
	43.01	-0.12	42.89	54	-11.11	AV	H
5150	57.10	-0.12	56.98	74	-17.02	peak	V
	42.75	-0.12	42.63	54	-11.37	AV	V

Worse case mode:		802.11n20		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5250	55.99	-0.12	55.87	74	-18.13	peak	H
	44.38	-0.12	44.26	54	-9.74	AV	H
5250	54.83	-0.12	54.71	74	-19.29	peak	V
	43.39	-0.12	43.27	54	-10.73	AV	V

Worse case mode:		802.11n20		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650	53.19	-0.12	53.07	68.2	-15.13	peak	H
5700	87.52	-0.12	87.40	105.2	-17.80	peak	H
5720	87.05	-0.12	86.93	110.8	-23.87	peak	H
5725	97.53	-0.12	97.41	122.2	-24.79	peak	H
5650	49.43	-0.12	49.31	68.2	-18.89	peak	V
5700	85.05	-0.12	84.93	105.2	-20.27	peak	V
5720	87.63	-0.12	87.51	110.8	-23.29	peak	V
5725	93.70	-0.12	93.58	122.2	-28.62	peak	V

Worse case mode:		802.11n20		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	97.67	-0.12	97.55	122.2	-24.65	peak	H
5855	90.56	-0.12	90.44	110.8	-20.36	peak	H
5875	82.60	-0.12	82.48	105.2	-22.72	peak	H
5925	53.85	-0.12	53.73	68.2	-14.47	peak	H
5850	97.82	-0.12	97.70	122.2	-24.50	peak	V
5855	86.40	-0.12	86.28	110.8	-24.52	peak	V
5875	82.61	-0.12	82.49	105.2	-22.71	peak	V
5925	53.93	-0.12	53.81	68.2	-14.39	peak	V

Worse case mode:		802.11n40		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	57.00	-0.12	56.88	74	-17.12	peak	H
	42.14	-0.12	42.02	54	-11.98	AV	H
5150	55.25	-0.12	55.13	74	-18.87	peak	V
	43.72	-0.12	43.60	54	-10.40	AV	V

Worse case mode:		802.11n40		Test channel:		46	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5250	58.46	-0.12	58.34	74	-15.66	peak	H
	42.49	-0.12	42.37	54	-11.63	AV	H
5250	56.22	-0.12	56.10	74	-17.90	peak	V
	43.95	-0.12	43.83	54	-10.17	AV	V

Worse case mode:		802.11n40		Test channel:		151	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650	51.63	-0.12	51.51	68.2	-16.69	peak	H
5700	85.27	-0.12	85.15	105.2	-20.05	peak	H
5720	90.89	-0.12	90.77	110.8	-20.03	peak	H
5725	93.31	-0.12	93.19	122.2	-29.01	peak	H
5650	52.54	-0.12	52.42	68.2	-15.78	peak	V
5700	85.51	-0.12	85.39	105.2	-19.81	peak	V
5720	89.05	-0.12	88.93	110.8	-21.87	peak	V
5725	97.57	-0.12	97.45	122.2	-24.75	peak	V

Worse case mode:		802.11n40		Test channel:		159	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	96.08	-0.12	95.96	122.2	-26.24	peak	H
5855	85.86	-0.12	85.74	110.8	-25.06	peak	H
5875	86.52	-0.12	86.40	105.2	-18.80	peak	H
5925	55.61	-0.12	55.49	68.2	-12.71	peak	H
5850	97.83	-0.12	97.71	122.2	-24.49	peak	V
5855	90.11	-0.12	89.99	110.8	-20.81	peak	V
5875	82.24	-0.12	82.12	105.2	-23.08	peak	V
5925	55.40	-0.12	55.28	68.2	-12.92	peak	V

Worse case mode:		802.11ac20		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	57.23	-0.12	57.11	74	-16.89	peak	H
	43.72	-0.12	43.60	54	-10.40	AV	H
5150	56.68	-0.12	56.56	74	-17.44	peak	V
	42.38	-0.12	42.26	54	-11.74	AV	V

Worse case mode:		802.11ac20		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5250	57.44	-0.12	57.32	74	-16.68	peak	H

	43.97	-0.12	43.85	54	-10.15	AV	H
5250	55.91	-0.12	55.79	74	-18.21	peak	V
	41.61	-0.12	41.49	54	-12.51	AV	V

Worse case mode:		802.11ac20		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650	53.87	-0.12	53.75	68.2	-14.45	peak	H
5700	87.00	-0.12	86.88	105.2	-18.32	peak	H
5720	87.00	-0.12	86.88	110.8	-23.92	peak	H
5725	95.10	-0.12	94.98	122.2	-27.22	peak	H
5650	51.77	-0.12	51.65	68.2	-16.55	peak	V
5700	87.57	-0.12	87.45	105.2	-17.75	peak	V
5720	88.49	-0.12	88.37	110.8	-22.43	peak	V
5725	94.13	-0.12	94.01	122.2	-28.19	peak	V

Worse case mode:		802.11n20		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	96.13	-0.12	96.01	122.2	-26.19	peak	H
5855	88.61	-0.12	88.49	110.8	-22.31	peak	H
5875	86.66	-0.12	86.54	105.2	-18.66	peak	H
5925	57.56	-0.12	57.44	68.2	-10.76	peak	H
5850	95.57	-0.12	95.45	122.2	-26.75	peak	V
5855	90.03	-0.12	89.91	110.8	-20.89	peak	V
5875	83.26	-0.12	83.14	105.2	-22.06	peak	V
5925	57.73	-0.12	57.61	68.2	-10.59	peak	V

Worse case mode:		802.11ac40		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	56.27	-0.12	56.15	74	-17.85	peak	H
	42.02	-0.12	41.90	54	-12.10	AV	H
5150	54.98	-0.12	54.86	74	-19.14	peak	V
	44.21	-0.12	44.09	54	-9.91	AV	V

Worse case mode:		802.11ac40		Test channel:		46	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5250	57.11	-0.12	56.99	74	-17.01	peak	H
	42.32	-0.12	42.20	54	-11.80	AV	H
5250	54.81	-0.12	54.69	74	-19.31	peak	V
	42.48	-0.12	42.36	54	-11.64	AV	V

Worse case mode:		802.11ac40		Test channel:		151	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650	49.01	-0.12	48.89	68.2	-19.31	peak	H
5700	86.70	-0.12	86.58	105.2	-18.62	peak	H
5720	88.57	-0.12	88.45	110.8	-22.35	peak	H
5725	96.79	-0.12	96.67	122.2	-25.53	peak	H
5650	52.36	-0.12	52.24	68.2	-15.96	peak	V
5700	85.57	-0.12	85.45	105.2	-19.75	peak	V
5720	87.53	-0.12	87.41	110.8	-23.39	peak	V
5725	96.54	-0.12	96.42	122.2	-25.78	peak	V

Worse case mode:		802.11ac40		Test channel:		159	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	97.64	-0.12	97.52	122.2	-24.68	peak	H
5855	86.64	-0.12	86.52	110.8	-24.28	peak	H
5875	82.93	-0.12	82.81	105.2	-22.39	peak	H
5925	57.57	-0.12	57.45	68.2	-10.75	peak	H
5850	95.67	-0.12	95.55	122.2	-26.65	peak	V
5855	90.84	-0.12	90.72	110.8	-20.08	peak	V
5875	87.13	-0.12	87.01	105.2	-18.19	peak	V
5925	58.60	-0.12	58.48	68.2	-9.72	peak	V

Worse case mode:		802.11ac80		Test channel:		42	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	57.99	-0.12	57.87	74	-16.13	peak	H
	42.30	-0.12	42.18	54	-11.82	AV	H
5150	55.83	-0.12	55.71	74	-18.29	peak	V
	43.80	-0.12	43.68	54	-10.32	AV	V
5250	58.39	-0.12	58.27	74	-15.73	peak	H
	43.74	-0.12	43.62	54	-10.38	AV	H
5250	55.19	-0.12	55.07	74	-18.93	peak	V
	42.17	-0.12	42.05	54	-11.95	AV	V

Worse case mode:		802.11ac80		Test channel:		155	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650	49.81	-0.12	49.69	68.2	-18.51	peak	H
5700	85.49	-0.12	85.37	105.2	-19.83	peak	H
5720	88.99	-0.12	88.87	110.8	-21.93	peak	H
5725	92.92	-0.12	92.80	122.2	-29.40	peak	H
5650	49.04	-0.12	48.92	68.2	-19.28	peak	V
5700	86.70	-0.12	86.58	105.2	-18.62	peak	V

5720	87.34	-0.12	87.22	110.8	-23.58	peak	V
5725	92.10	-0.12	91.98	122.2	-30.22	peak	V
5850	96.97	-0.12	96.85	122.2	-25.35	peak	H
5855	90.93	-0.12	90.81	110.8	-19.99	peak	H
5875	85.02	-0.12	84.90	105.2	-20.30	peak	H
5925	58.10	-0.12	57.98	68.2	-10.22	peak	H
5850	96.62	-0.12	96.50	122.2	-25.70	peak	V
5855	88.06	-0.12	87.94	110.8	-22.86	peak	V
5875	84.85	-0.12	84.73	105.2	-20.47	peak	V
5925	58.84	-0.12	58.72	68.2	-9.48	peak	V

Factor =Antenna Factor + Cable Loss – Pre-amplifier,

ANT2

Worse case mode:		802.11a		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	57.52	-0.12	57.40	74	-16.60	peak	H
	43.71	-0.12	43.59	54	-10.41	AV	H
5150	54.93	-0.12	54.81	74	-19.19	peak	V
	42.05	-0.12	41.93	54	-12.07	AV	V

Worse case mode:		802.11a		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5250	58.13	-0.12	58.01	74	-15.99	peak	H
	42.59	-0.12	42.47	54	-11.53	AV	H
5250	54.83	-0.12	54.71	74	-19.29	peak	V
	42.15	-0.12	42.03	54	-11.97	AV	V

Worse case mode:		802.11a		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650	50.36	-0.12	50.24	68.2	-17.96	peak	H
5700	87.19	-0.12	87.07	105.2	-18.13	peak	H
5720	89.29	-0.12	89.17	110.8	-21.63	peak	H
5725	93.18	-0.12	93.06	122.2	-29.14	peak	H
5650	53.08	-0.12	52.96	68.2	-15.24	peak	V
5700	86.04	-0.12	85.92	105.2	-19.28	peak	V
5720	88.75	-0.12	88.63	110.8	-22.17	peak	V
5725	97.70	-0.12	97.58	122.2	-24.62	peak	V

Worse case mode:		802.11a		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.

(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	96.06	-0.12	95.94	122.2	-26.26	peak	H
5855	86.64	-0.12	86.52	110.8	-24.28	peak	H
5875	86.78	-0.12	86.66	105.2	-18.54	peak	H
5925	58.04	-0.12	57.92	68.2	-10.28	peak	H
5850	95.95	-0.12	95.83	122.2	-26.37	peak	V
5855	87.30	-0.12	87.18	110.8	-23.62	peak	V
5875	83.79	-0.12	83.67	105.2	-21.53	peak	V
5925	57.58	-0.12	57.46	68.2	-10.74	peak	V

Worse case mode:		802.11n20		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	56.74	-0.12	56.62	74	-17.38	peak	H
	44.44	-0.12	44.32	54	-9.68	AV	H
5150	56.67	-0.12	56.55	74	-17.45	peak	V
	43.60	-0.12	43.48	54	-10.52	AV	V

Worse case mode:		802.11n20		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5250	56.32	-0.12	56.20	74	-17.80	peak	H
	42.72	-0.12	42.60	54	-11.40	AV	H
5250	56.15	-0.12	56.03	74	-17.97	peak	V
	43.32	-0.12	43.20	54	-10.80	AV	V

Worse case mode:		802.11n20		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650	53.84	-0.12	53.72	68.2	-14.48	peak	H
5700	85.16	-0.12	85.04	105.2	-20.16	peak	H
5720	89.38	-0.12	89.26	110.8	-21.54	peak	H
5725	96.99	-0.12	96.87	122.2	-25.33	peak	H
5650	50.71	-0.12	50.59	68.2	-17.61	peak	V
5700	87.38	-0.12	87.26	105.2	-17.94	peak	V
5720	89.17	-0.12	89.05	110.8	-21.75	peak	V
5725	95.24	-0.12	95.12	122.2	-27.08	peak	V

Worse case mode:		802.11n20		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	95.09	-0.12	94.97	122.2	-27.23	peak	H
5855	90.18	-0.12	90.06	110.8	-20.74	peak	H
5875	87.97	-0.12	87.85	105.2	-17.35	peak	H

5925	57.79	-0.12	57.67	68.2	-10.53	peak	H
5850	95.85	-0.12	95.73	122.2	-26.47	peak	V
5855	90.66	-0.12	90.54	110.8	-20.26	peak	V
5875	83.12	-0.12	83.00	105.2	-22.20	peak	V
5925	56.90	-0.12	56.78	68.2	-11.42	peak	V

Worse case mode:		802.11n40		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	56.74	-0.12	56.62	74	-17.38	peak	H
	44.39	-0.12	44.27	54	-9.73	AV	H
5150	56.02	-0.12	55.90	74	-18.10	peak	V
	44.30	-0.12	44.18	54	-9.82	AV	V

Worse case mode:		802.11n40		Test channel:		46	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5250	58.50	-0.12	58.38	74	-15.62	peak	H
	41.72	-0.12	41.60	54	-12.40	AV	H
5250	56.10	-0.12	55.98	74	-18.02	peak	V
	42.26	-0.12	42.14	54	-11.86	AV	V

Worse case mode:		802.11n40		Test channel:		151	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650	50.84	-0.12	50.72	68.2	-17.48	peak	H
5700	85.92	-0.12	85.80	105.2	-19.40	peak	H
5720	88.57	-0.12	88.45	110.8	-22.35	peak	H
5725	96.41	-0.12	96.29	122.2	-25.91	peak	H
5650	53.23	-0.12	53.11	68.2	-15.09	peak	V
5700	86.25	-0.12	86.13	105.2	-19.07	peak	V
5720	90.12	-0.12	90.00	110.8	-20.80	peak	V
5725	96.97	-0.12	96.85	122.2	-25.35	peak	V

Worse case mode:		802.11n40		Test channel:		159	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	97.55	-0.12	97.43	122.2	-24.77	peak	H
5855	90.74	-0.12	90.62	110.8	-20.18	peak	H
5875	83.17	-0.12	83.05	105.2	-22.15	peak	H
5925	56.09	-0.12	55.97	68.2	-12.23	peak	H
5850	95.39	-0.12	95.27	122.2	-26.93	peak	V
5855	90.30	-0.12	90.18	110.8	-20.62	peak	V
5875	86.49	-0.12	86.37	105.2	-18.83	peak	V
5925	54.98	-0.12	54.86	68.2	-13.34	peak	V

Worse case mode:		802.11ac20		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	58.09	-0.12	57.97	74	-16.03	peak	H
	44.04	-0.12	43.92	54	-10.08	AV	H
5150	54.93	-0.12	54.81	74	-19.19	peak	V
	42.52	-0.12	42.40	54	-11.60	AV	V

Worse case mode:		802.11ac20		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5250	58.40	-0.12	58.28	74	-15.72	peak	H
	43.95	-0.12	43.83	54	-10.17	AV	H
5250	55.19	-0.12	55.07	74	-18.93	peak	V
	44.28	-0.12	44.16	54	-9.84	AV	V

Worse case mode:		802.11ac20		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650	50.20	-0.12	50.08	68.2	-18.12	peak	H
5700	85.11	-0.12	84.99	105.2	-20.21	peak	H
5720	88.98	-0.12	88.86	110.8	-21.94	peak	H
5725	93.02	-0.12	92.90	122.2	-29.30	peak	H
5650	49.28	-0.12	49.16	68.2	-19.04	peak	V
5700	86.06	-0.12	85.94	105.2	-19.26	peak	V
5720	88.27	-0.12	88.15	110.8	-22.65	peak	V
5725	97.12	-0.12	97.00	122.2	-25.20	peak	V

Worse case mode:		802.11n20		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	97.65	-0.12	97.53	122.2	-24.67	peak	H
5855	88.22	-0.12	88.10	110.8	-22.70	peak	H
5875	84.89	-0.12	84.77	105.2	-20.43	peak	H
5925	57.01	-0.12	56.89	68.2	-11.31	peak	H
5850	97.05	-0.12	96.93	122.2	-25.27	peak	V
5855	86.51	-0.12	86.39	110.8	-24.41	peak	V
5875	84.64	-0.12	84.52	105.2	-20.68	peak	V
5925	54.65	-0.12	54.53	68.2	-13.67	peak	V

Worse case mode:		802.11ac40		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V

5150	58.88	-0.12	58.76	74	-15.24	peak	H
	42.95	-0.12	42.83	54	-11.17	AV	H
5150	56.00	-0.12	55.88	74	-18.12	peak	V
	43.28	-0.12	43.16	54	-10.84	AV	V

Worse case mode:		802.11ac40		Test channel:		46	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5250	57.53	-0.12	57.41	74	-16.59	peak	H
	43.38	-0.12	43.26	54	-10.74	AV	H
5250	56.94	-0.12	56.82	74	-17.18	peak	V
	44.18	-0.12	44.06	54	-9.94	AV	V

Worse case mode:		802.11ac40		Test channel:		151	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650	51.65	-0.12	51.53	68.2	-16.67	peak	H
5700	85.05	-0.12	84.93	105.2	-20.27	peak	H
5720	88.28	-0.12	88.16	110.8	-22.64	peak	H
5725	92.08	-0.12	91.96	122.2	-30.24	peak	H
5650	49.08	-0.12	48.96	68.2	-19.24	peak	V
5700	87.56	-0.12	87.44	105.2	-17.76	peak	V
5720	90.22	-0.12	90.10	110.8	-20.70	peak	V
5725	93.55	-0.12	93.43	122.2	-28.77	peak	V

Worse case mode:		802.11ac40		Test channel:		159	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	95.91	-0.12	95.79	122.2	-26.41	peak	H
5855	90.92	-0.12	90.80	110.8	-20.00	peak	H
5875	86.79	-0.12	86.67	105.2	-18.53	peak	H
5925	53.58	-0.12	53.46	68.2	-14.74	peak	H
5850	96.26	-0.12	96.14	122.2	-26.06	peak	V
5855	90.99	-0.12	90.87	110.8	-19.93	peak	V
5875	84.57	-0.12	84.45	105.2	-20.75	peak	V
5925	58.57	-0.12	58.45	68.2	-9.75	peak	V

Worse case mode:		802.11ac80		Test channel:		42	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	57.60	-0.12	57.48	74	-16.52	peak	H
	44.28	-0.12	44.16	54	-9.84	AV	H
5150	55.53	-0.12	55.41	74	-18.59	peak	V
	41.66	-0.12	41.54	54	-12.46	AV	V
5250	58.88	-0.12	58.76	74	-15.24	peak	H
	44.03	-0.12	43.91	54	-10.09	AV	H

5250	54.56	-0.12	54.44	74	-19.56	peak	V
	42.43	-0.12	42.31	54	-11.69	AV	V

Worse case mode:		802.11ac80		Test channel:		155	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650	50.83	-0.12	50.71	68.2	-17.49	peak	H
5700	85.55	-0.12	85.43	105.2	-19.77	peak	H
5720	88.94	-0.12	88.82	110.8	-21.98	peak	H
5725	96.36	-0.12	96.24	122.2	-25.96	peak	H
5650	50.80	-0.12	50.68	68.2	-17.52	peak	V
5700	86.26	-0.12	86.14	105.2	-19.06	peak	V
5720	90.81	-0.12	90.69	110.8	-20.11	peak	V
5725	93.42	-0.12	93.30	122.2	-28.90	peak	V
5850	97.68	-0.12	97.56	122.2	-24.64	peak	H
5855	86.76	-0.12	86.64	110.8	-24.16	peak	H
5875	86.65	-0.12	86.53	105.2	-18.67	peak	H
5925	56.45	-0.12	56.33	68.2	-11.87	peak	H
5850	95.16	-0.12	95.04	122.2	-27.16	peak	V
5855	90.35	-0.12	90.23	110.8	-20.57	peak	V
5875	86.18	-0.12	86.06	105.2	-19.14	peak	V
5925	55.30	-0.12	55.18	68.2	-13.02	peak	V

Factor =Antenna Factor + Cable Loss – Pre-amplifier,

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

LIMIT:	U-NII-1	11DBM/MHZ
	U-NII-2A	11DBM/MHZ
	U-NII-2C	11DBM/MHZ
	U-NII-3	30DBM/500KHZ

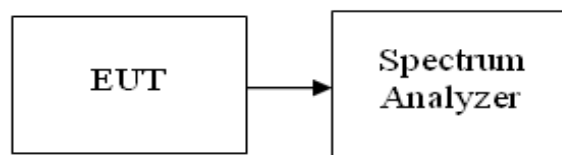
5.2 TEST PROCEDURE

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

Temperature :	26℃	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC120V
Test Mode :	TX frequency band 1&band4		

BAND1

802.11 Mode	Channel No.	Frequency [MHz]	Measured Power Spectral Density [dBm/MHz]		Power Spectral Density Limit [dBm/MHz]	MIMO/CDD Power Density [dBm/MHz]	MIMO/CDD Power Density Limit [dBm/MHz]
			ANT1	ANT2			
a	36	5180	7.09	5.917	11	/	/
	40	5200	6.515	6.881	11	/	/
	48	5240	4.899	5.188	11	/	/
n(20MHz)	36	5180	5.712	5.574	11	8.65	8.99
	40	5200	4.834	4.612	11	7.73	8.99
	48	5240	3.856	4.796	11	7.36	8.99
n (40MHz)	38	5190	8.211	1.057	11	8.98	8.99
	46	5230	0.548	0.988	11	3.78	8.99
ac (20MHz)	36	5180	5.963	4.974	11	8.51	8.99
	40	5200	5.041	4.714	11	7.891	8.99
	48	5240	4.119	3.292	11	6.735	8.99
ac(40MHz)	38	5190	2.309	2.879	11	5.614	8.99
	46	5230	1.537	1.25	11	4.406	8.99
ac(80MHz)	42	5210	-2.603	-2.886	11	0.27	8.99

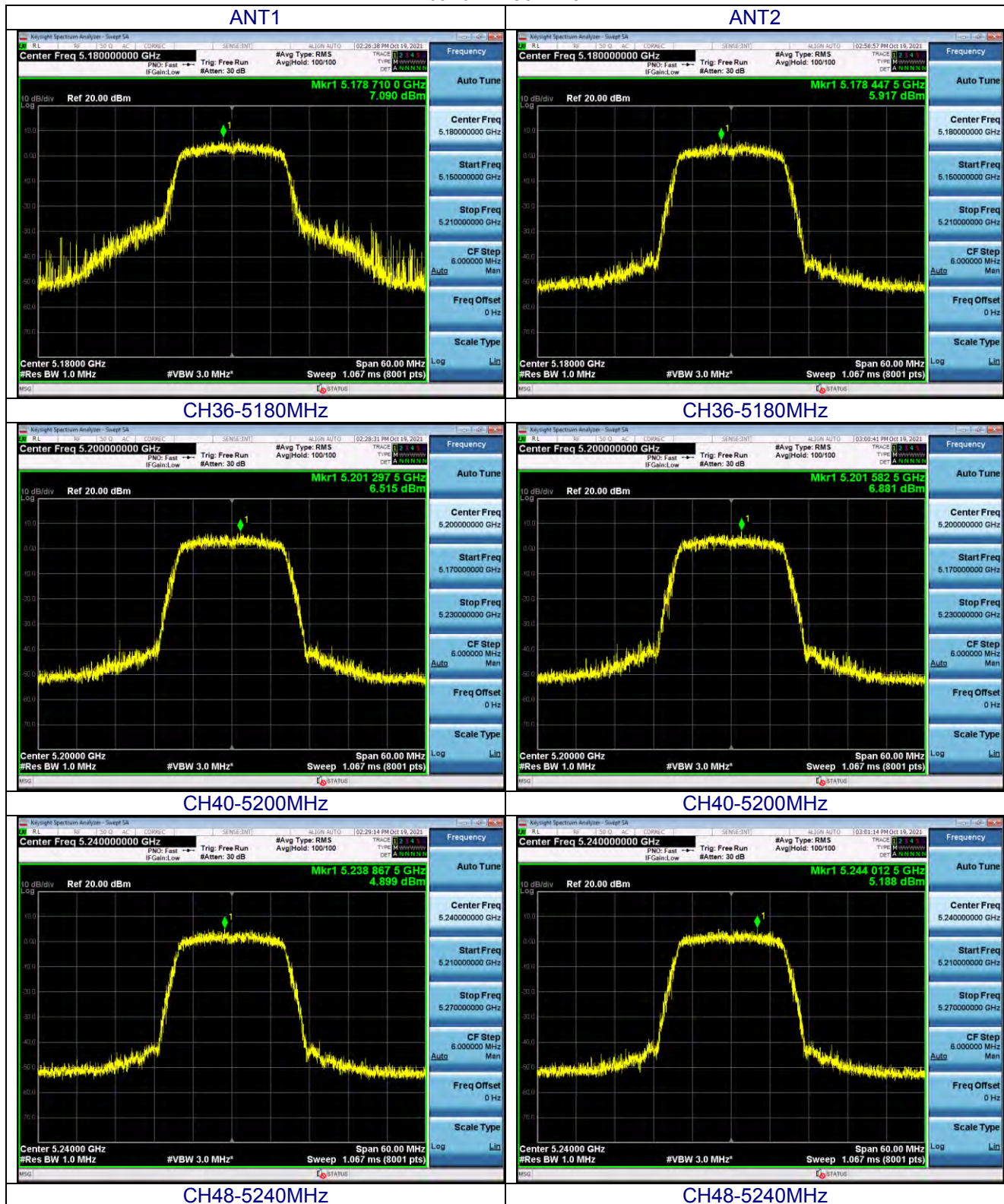
BAND 4

802.11 Mode	Channel No.	Frequency [MHz]	Meas PSD [dBm/510kHz]		Meas PSD [dBm/500kHz]		MIMO/CDD Power Density Limit [dBm/500kHz]
			ANT1	ANT2	ANT1	ANT2	
a	36	5745	0.015	1.184	-0.071	1.098	30
	40	5785	0.369	1.528	0.283	1.442	30
	48	5825	0.25	0.893	0.164	0.807	30
n (20MHz)	36	5745	0.456	0.712	0.370	0.626	30
	40	5785	0.353	0.466	0.267	0.380	30
	48	5825	4.95	-0.961	4.864	-1.047	30
n (40MHz)	38	5755	-2.853	-1.404	-2.939	-1.490	30
	46	5795	-2.255	-3.405	-2.341	-3.491	30
ac (20MHz)	36	5745	2.334	-0.443	2.248	-0.529	30
	40	5785	-0.834	-0.966	-0.920	-1.052	30
	48	5825	-0.76	-0.109	-0.846	-0.195	30
ac(40MHz)	38	5755	-2.976	-3.244	-3.062	-3.330	30
	46	5795	-2.17	-1.667	-2.256	-1.753	30
ac(80MHz)	42	5755	-7.486	-8.86	-7.572	-8.946	30

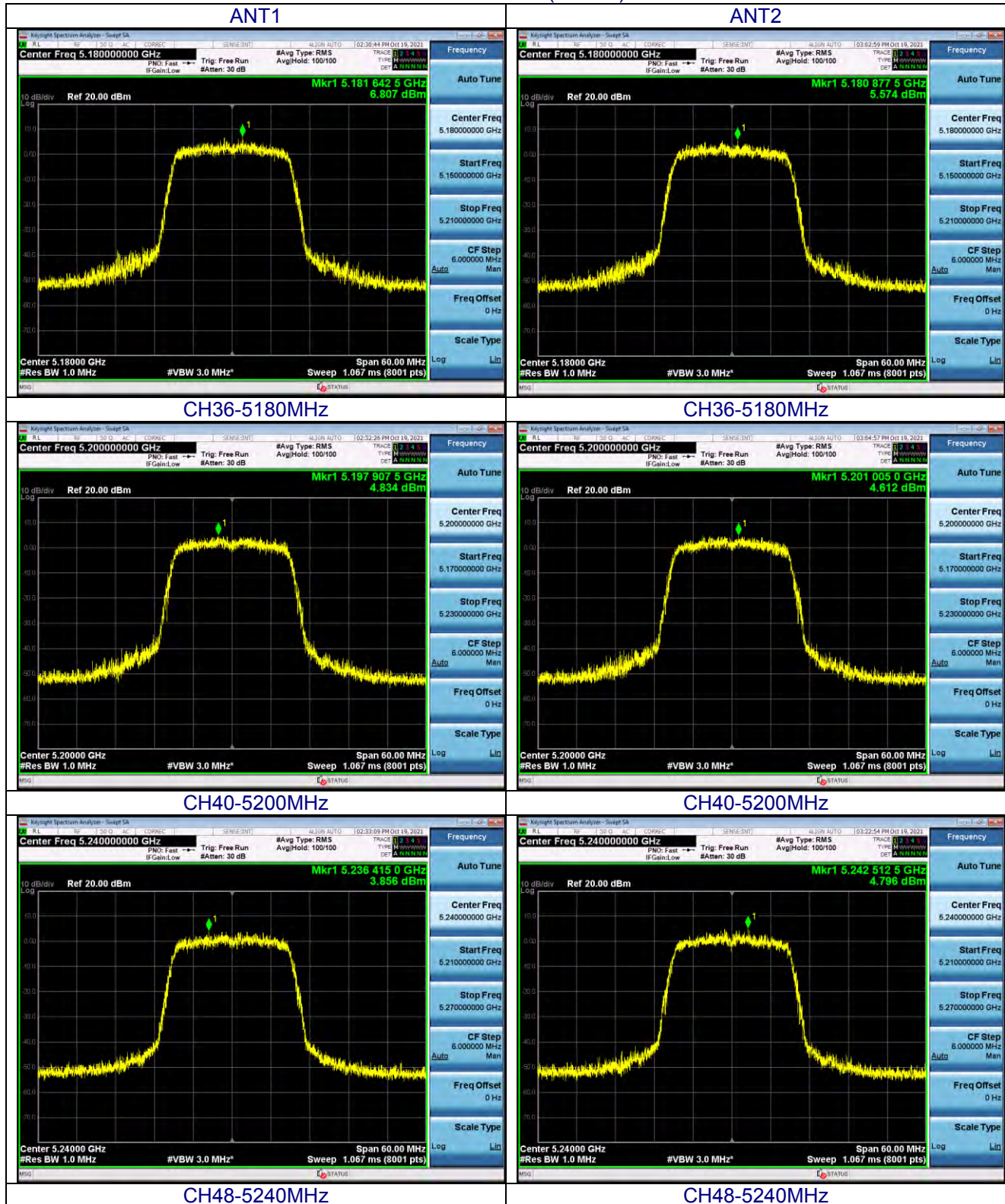
Note: Covert PSD [dBm/510kHz]= PSD[dBm/510kHz]+10*log(500/510)

802.11 Mode	Channel No.	Frequency [MHz]	Meas PSD [dBm/500kHz]		MIMO/CDD Power Density [dBm/500kHz]	MIMO/CDD Power Density Limit [dBm/500kHz]
			ANT1	ANT2		
a	36	5745	-0.071	1.098	/	/
	40	5785	0.283	1.442	/	/
	48	5825	0.164	0.807	/	/
n (20MHz)	36	5745	0.370	0.626	3.510	27.99
	40	5785	0.267	0.380	3.334	27.99
	48	5825	4.864	-1.047	5.855	27.99
n (40MHz)	38	5755	-2.939	-1.490	0.856	27.99
	46	5795	-2.341	-3.491	0.132	27.99
ac (20MHz)	36	5745	2.248	-0.529	4.088	27.99
	40	5785	-0.920	-1.052	2.025	27.99
	48	5825	-0.846	-0.195	2.502	27.99
ac(40MHz)	38	5755	-3.062	-3.330	-0.184	27.99
	46	5795	-2.256	-1.753	1.013	27.99
ac(80MHz)	42	5755	-7.572	-8.946	3.563	27.99

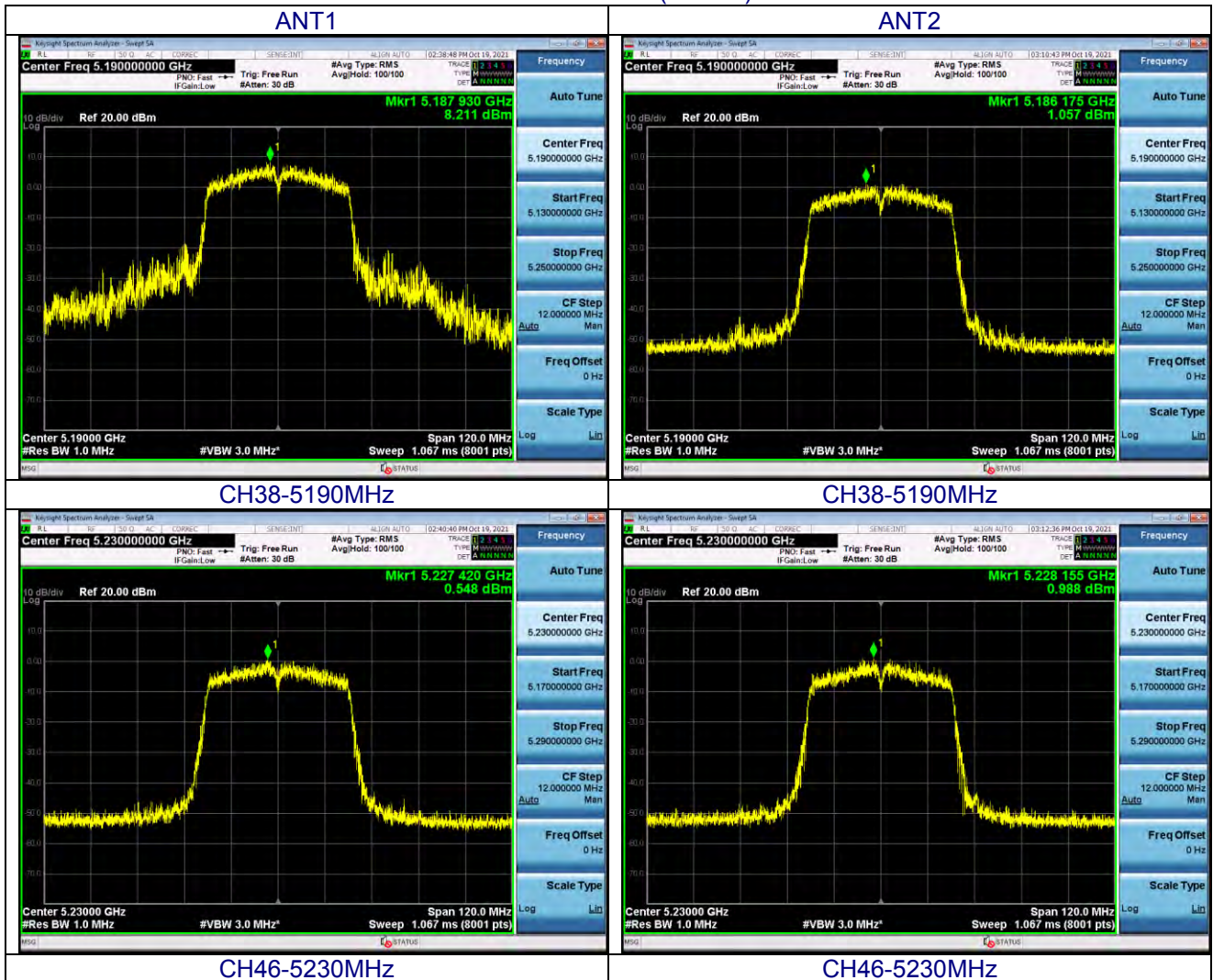
band 1 – 802.11a



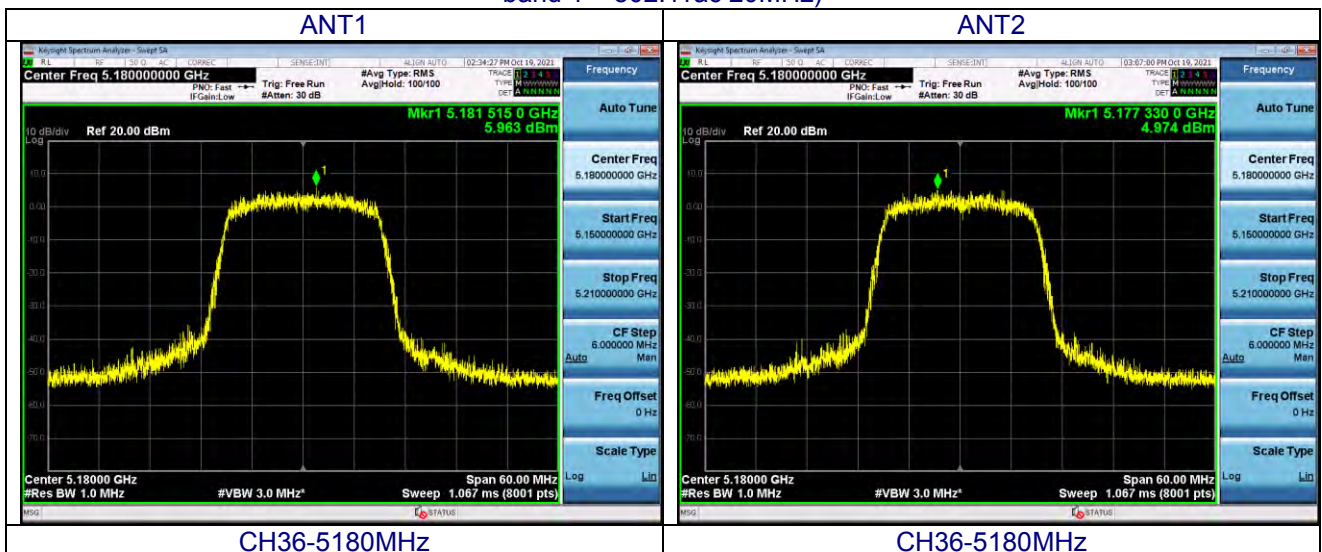
band 1 – 802.11n (20MHz)

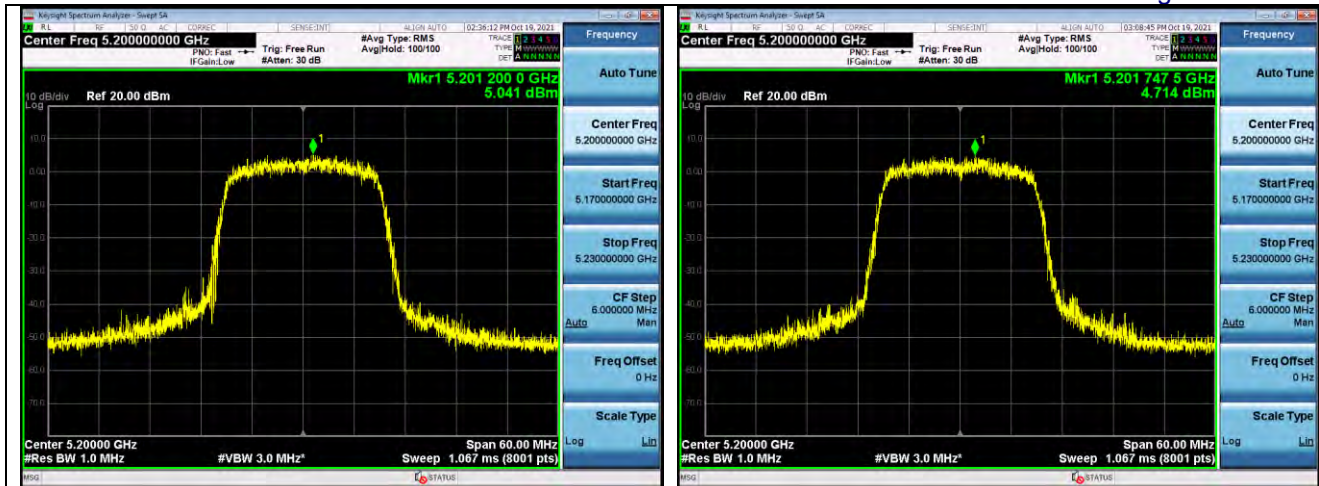


band 1 – 802.11n (40MHz)



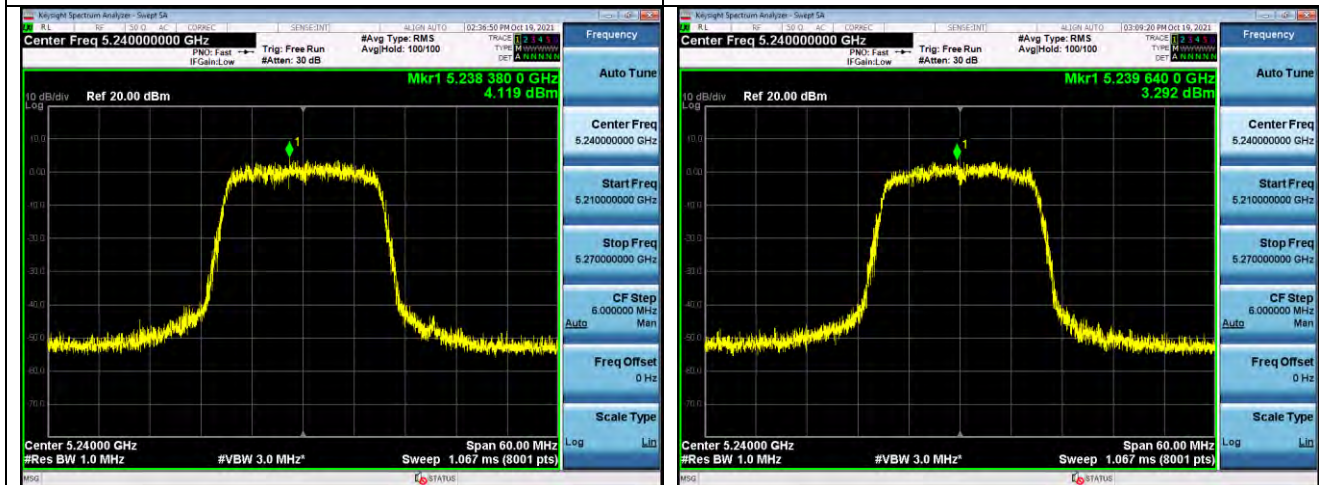
band 1 – 802.11ac 20MHz)





CH40-5200MHz

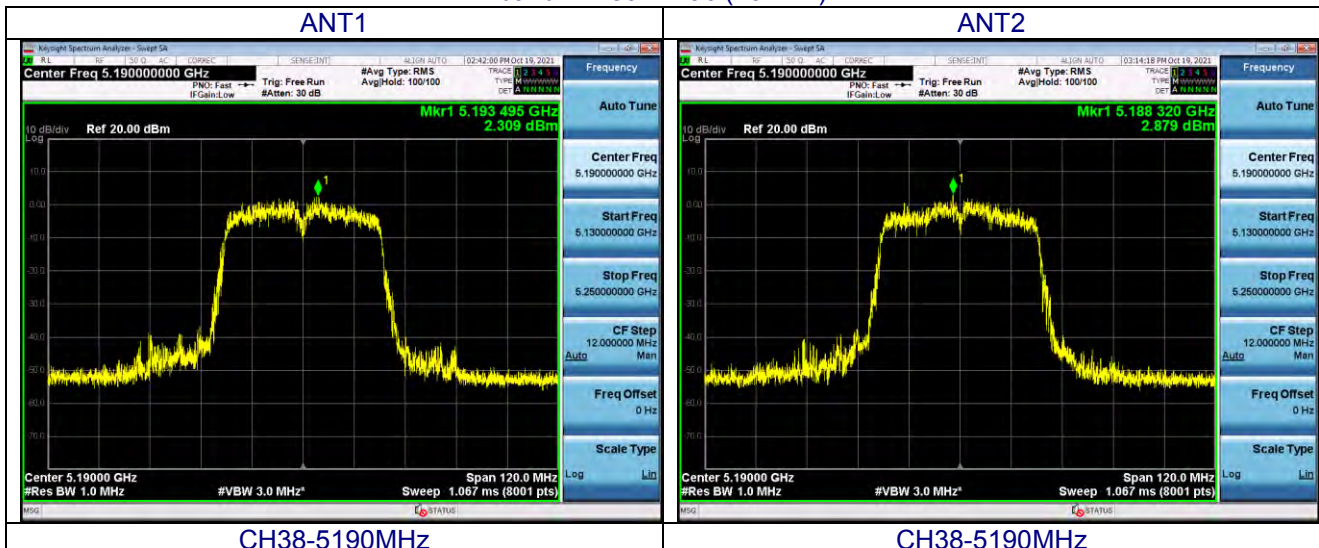
CH40-5200MHz



CH48-5240MHz

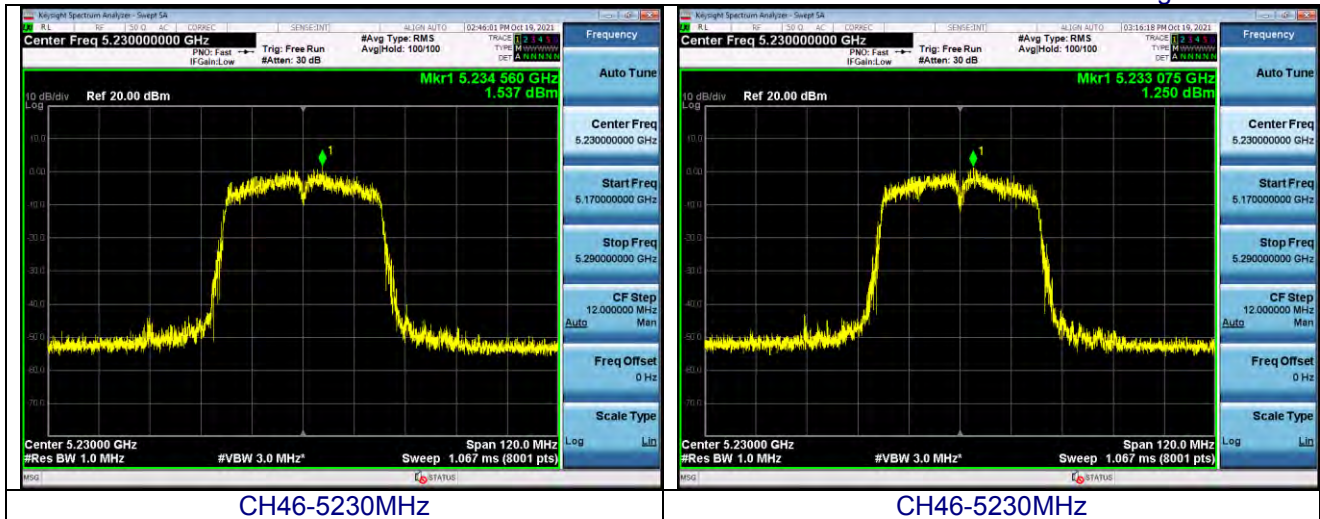
CH48-5240MHz

band 1 – 802.11ac (40MHz)

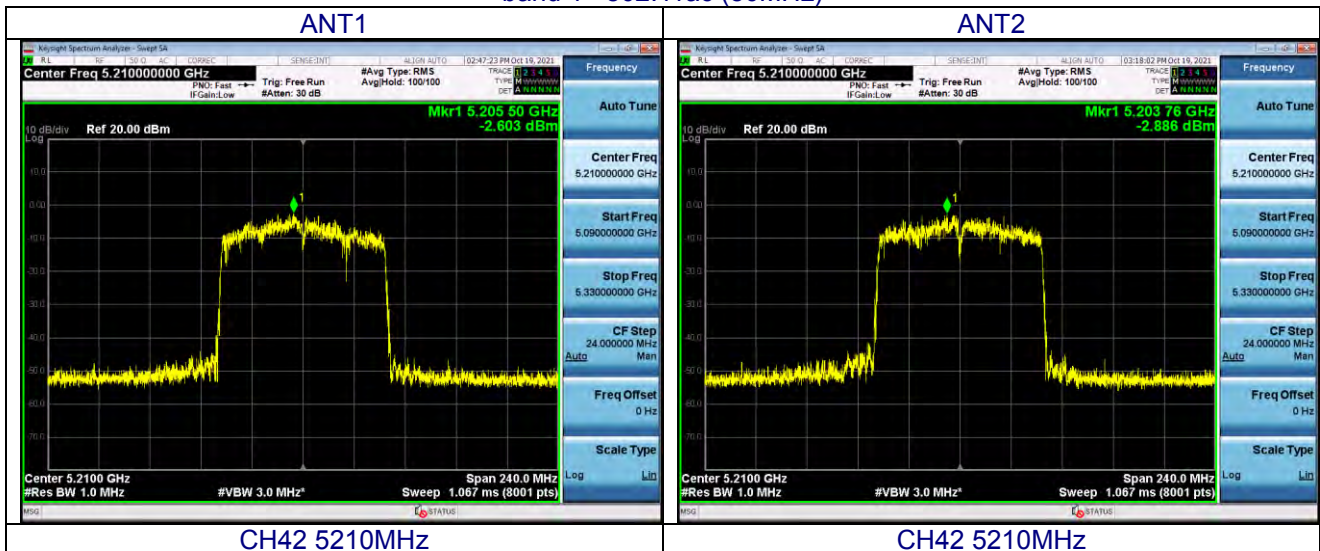


CH38-5190MHz

CH38-5190MHz



band 1 -802.11ac (80MHz)



Band 4 -802.11a

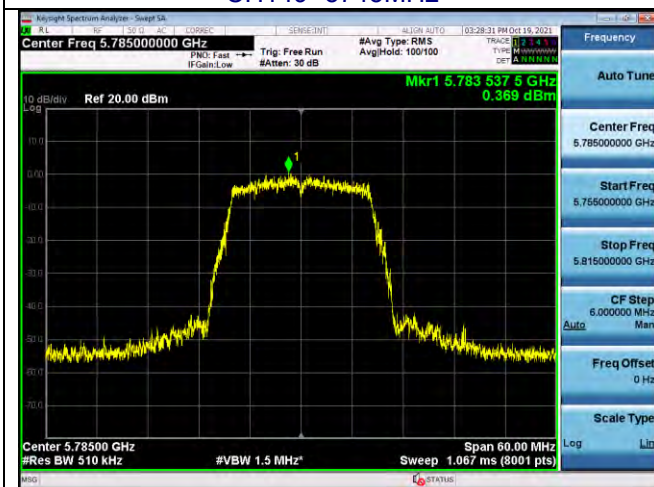
ANT1



ANT2



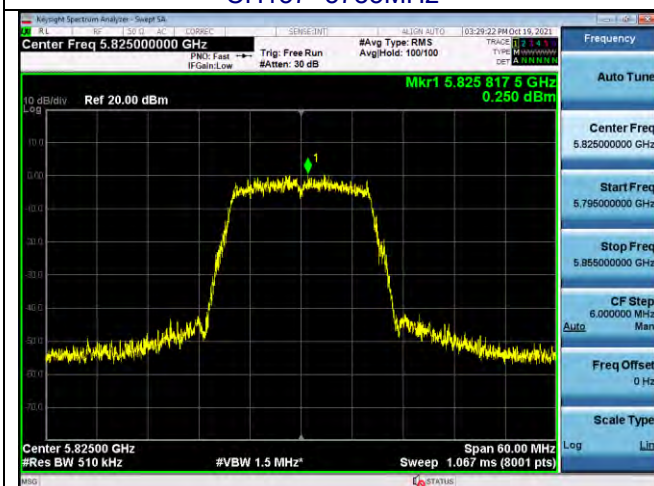
CH149 -5745MHz



CH149 -5745MHz



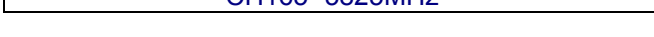
CH157 -5785MHz



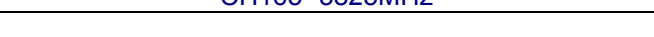
CH157 -5785MHz



CH165 -5825MHz

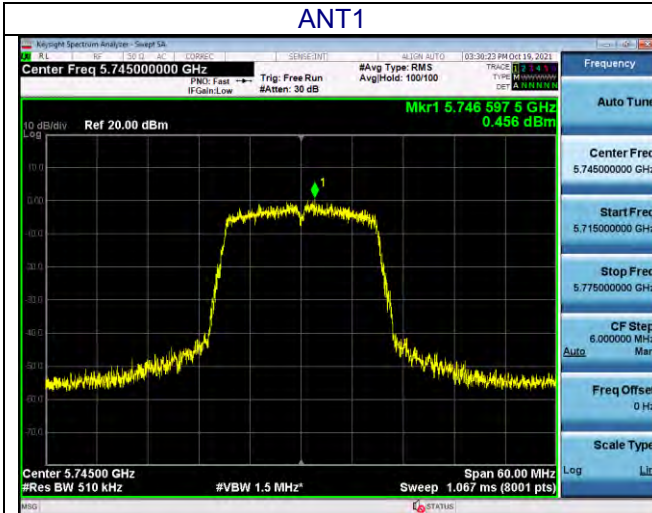


CH165 -5825MHz

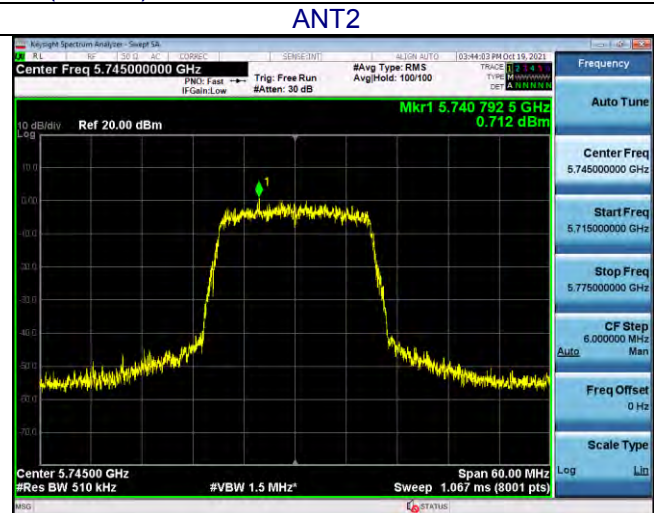


Band4 -802.11n (20MHz)

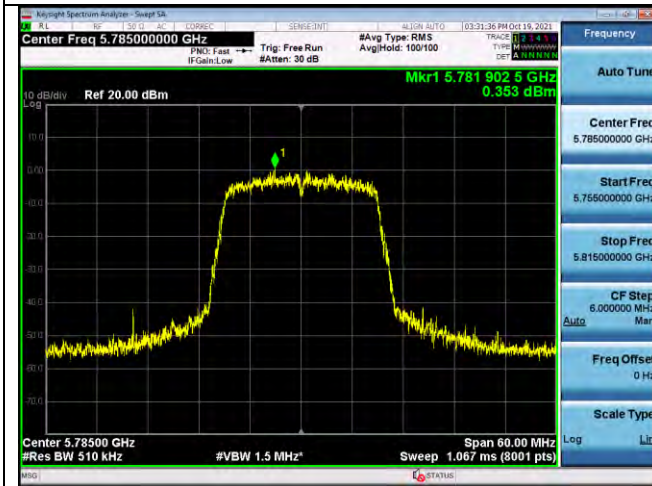
ANT1



ANT2



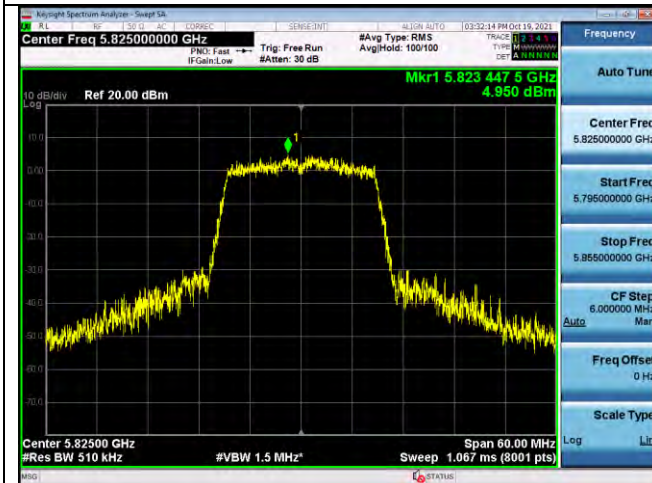
CH149 -5745MHz



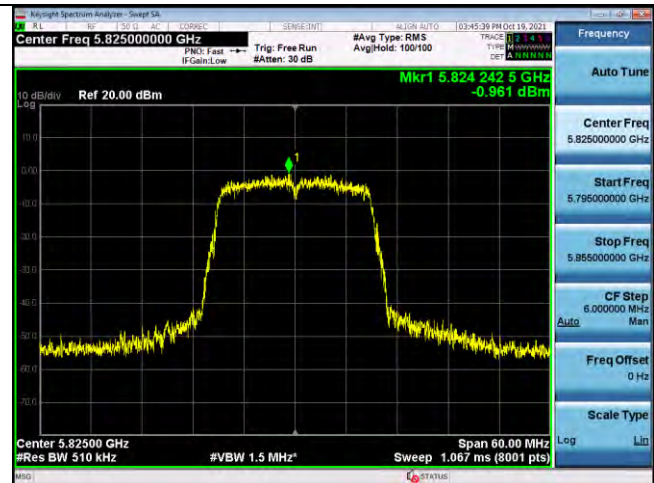
CH149 -5745MHz



CH157 -5785MHz



CH157 -5785MHz



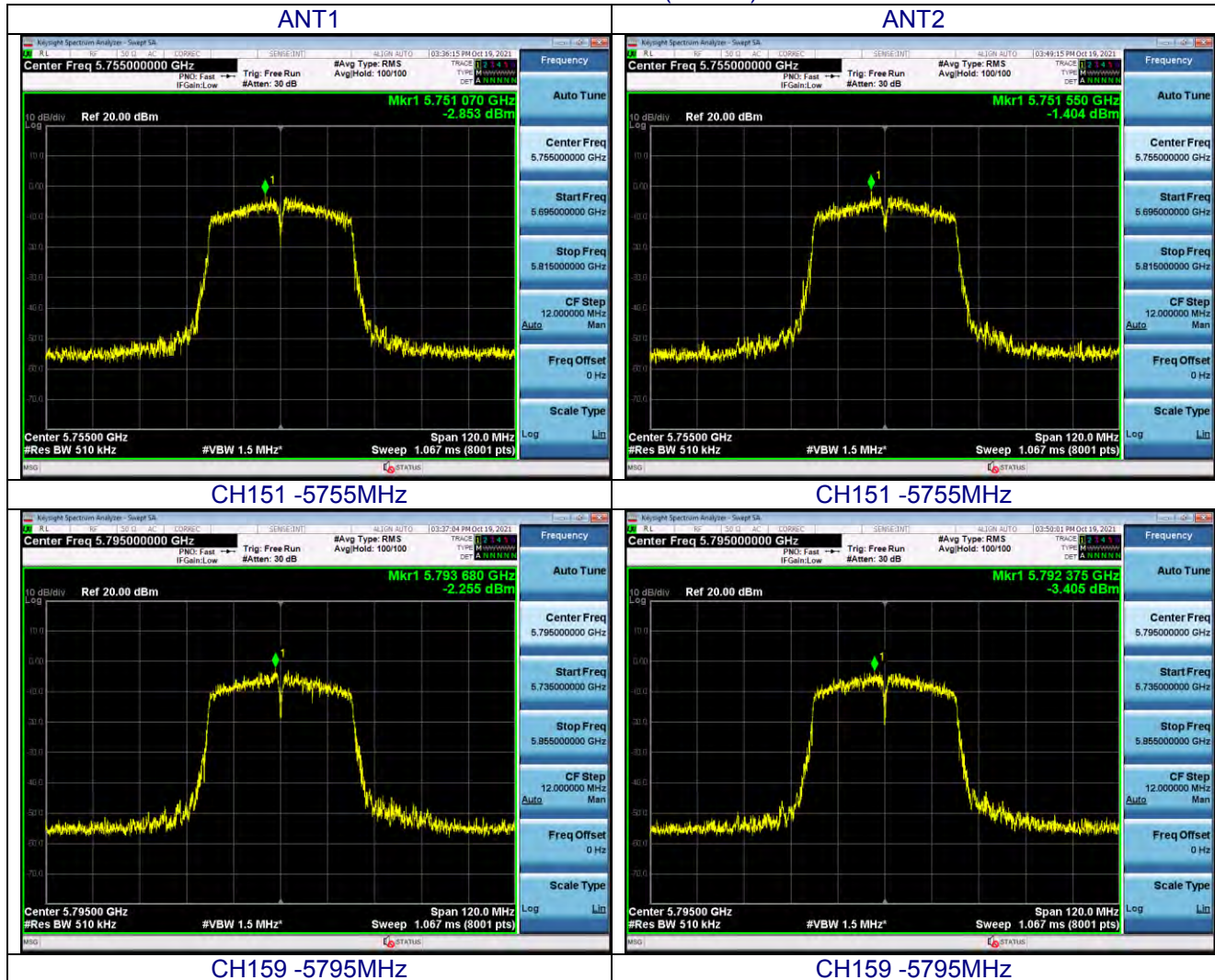
CH165 -5825MHz



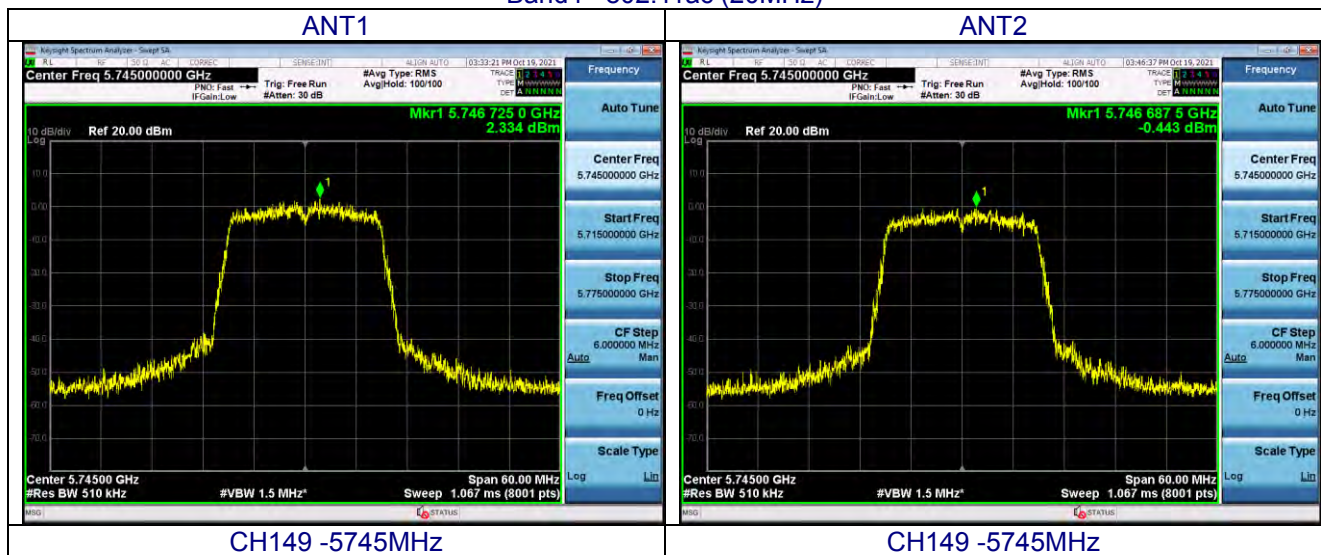
CH165 -5825MHz

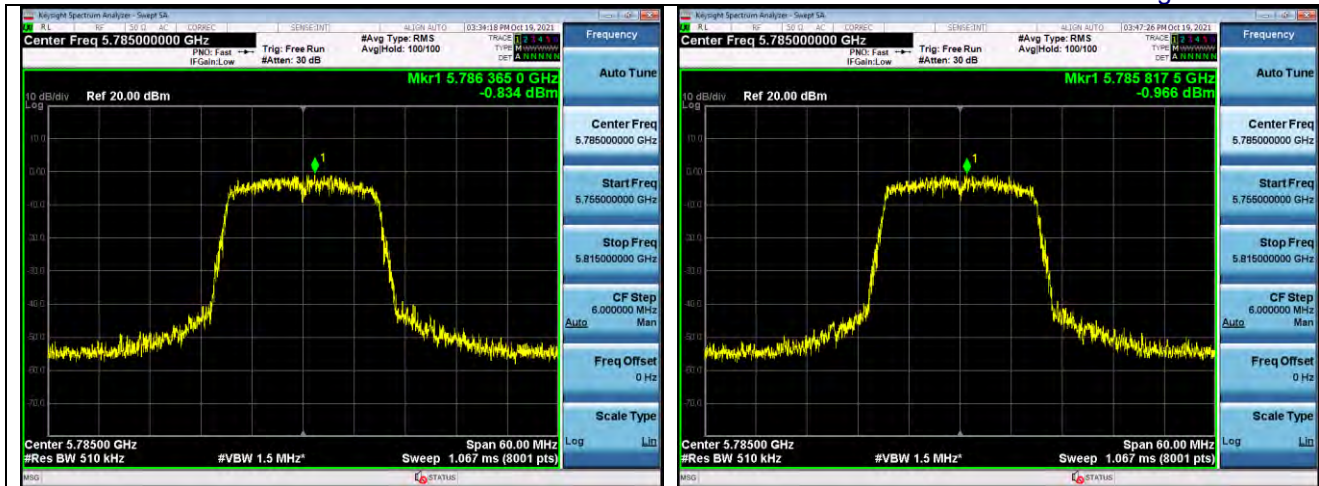


Band 4 – 802.11n (40MHz)



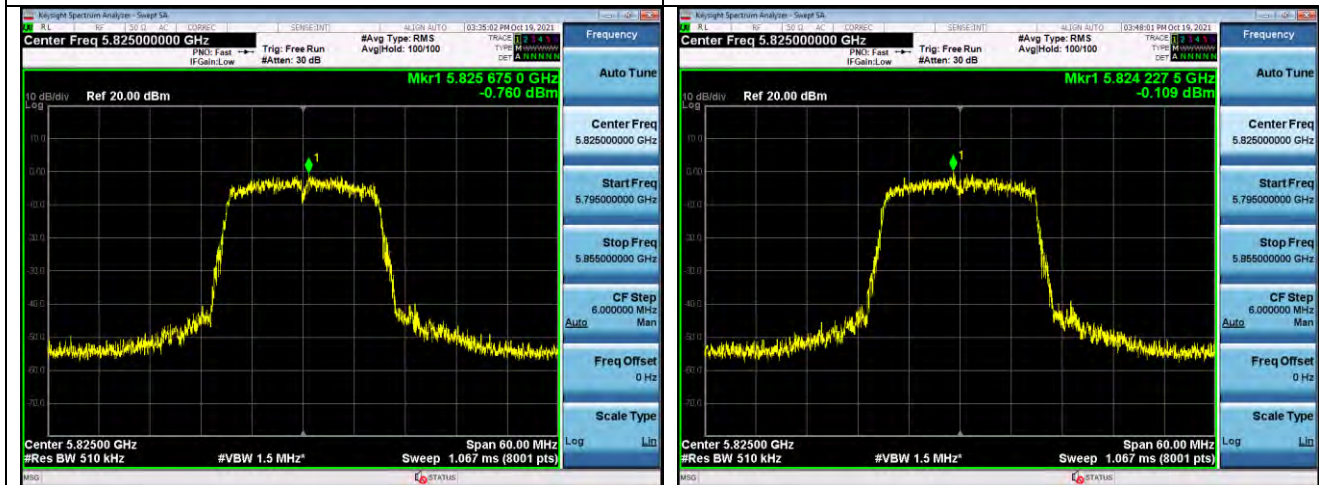
Band4 –802.11ac (20MHz)





CH157 -5785MHz

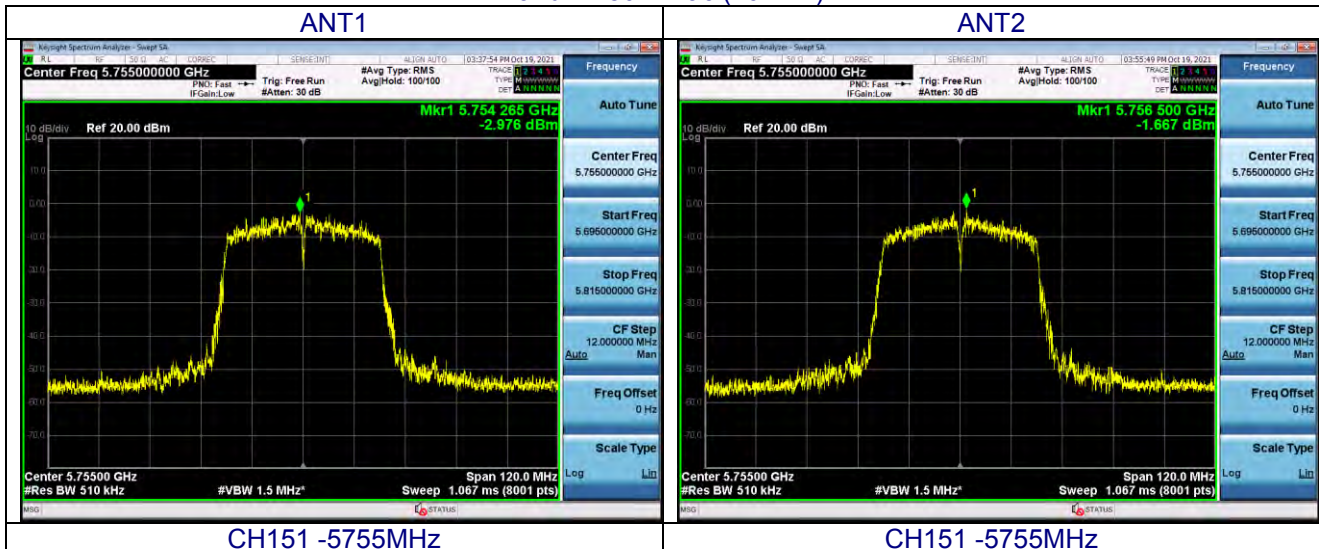
CH157 -5785MHz



CH165 -5825MHz

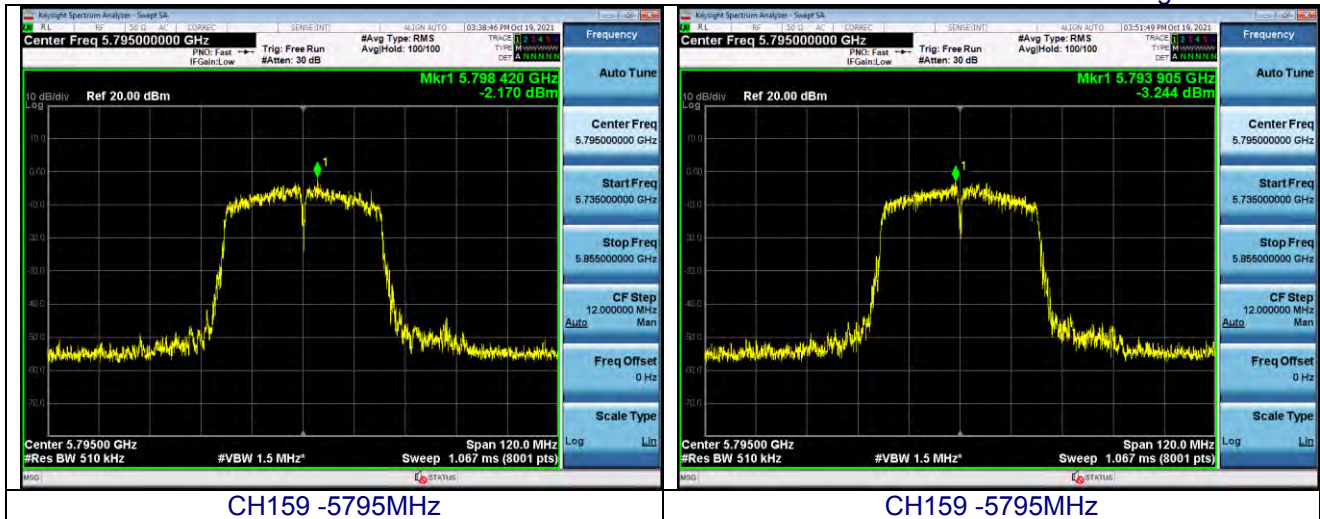
CH165 -5825MHz

Band4 – 802.11ac (40MHz)

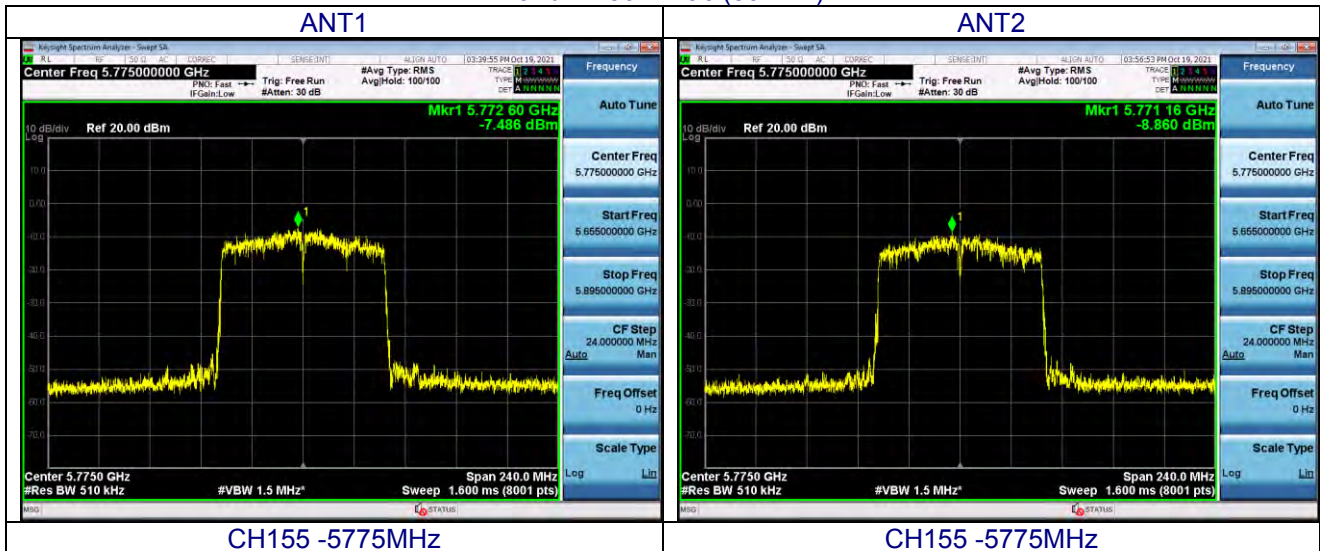


CH151 -5755MHz

CH151 -5755MHz



Band 4– 802.11ac (80MHz)



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	Band1	N/A
	Band4	≥ 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.

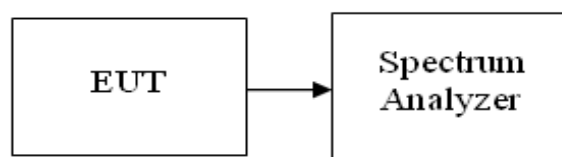
Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

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

Temperature :	26°C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC120V
Test Mode :	TX		

BAND 1

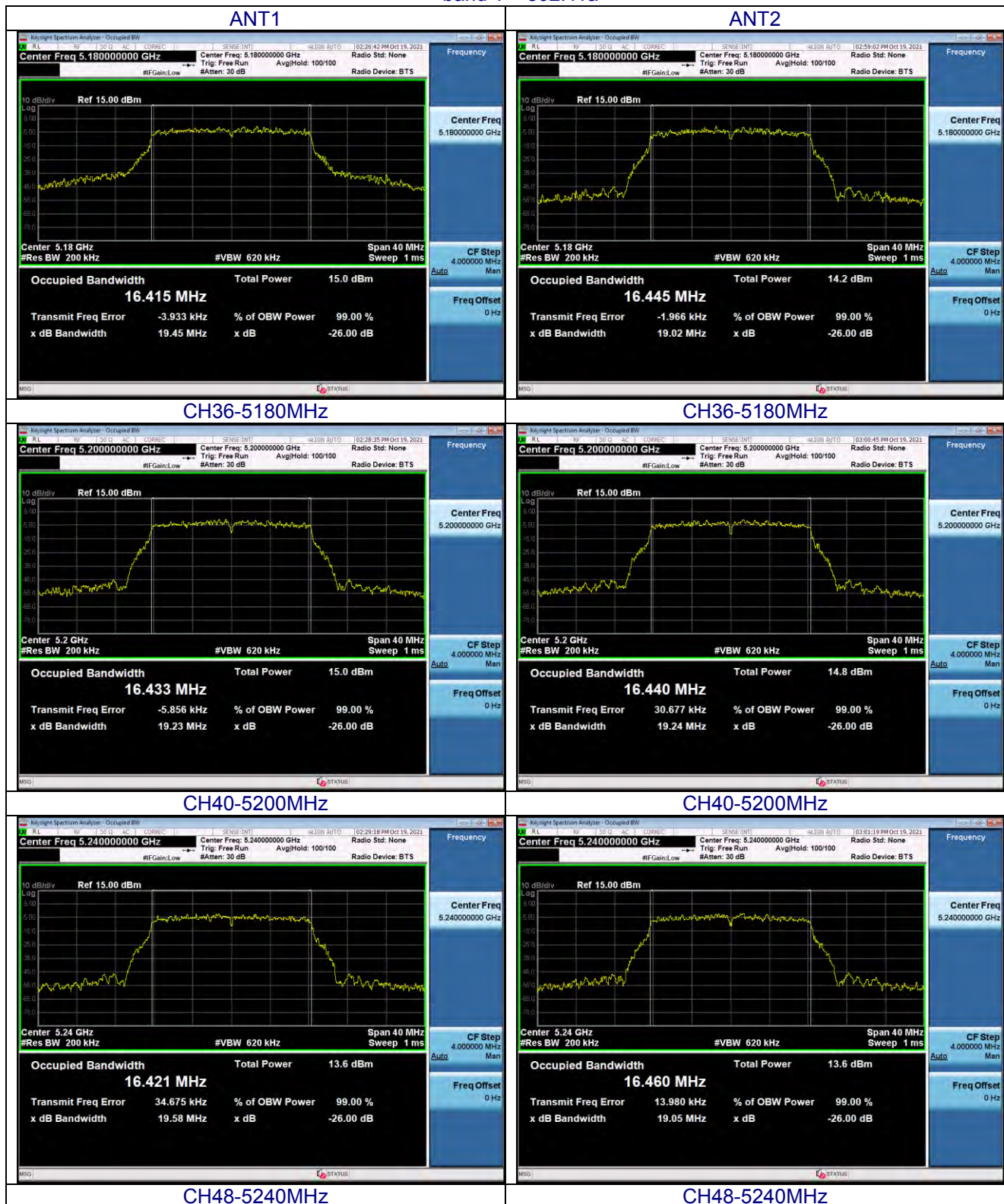
802.11 Mode	Channel No.	Frequency [MHz]	26dB Bandwidth [MHz]		99% Bandwidth [MHz]	
			ANT1	ANT2	ANT1	ANT2
a	36	5180	19.45	19.02	16.415	16.445
	40	5200	19.23	19.24	16.433	16.440
	48	5240	19.58	19.05	16.421	16.460
n (20MHz)	36	5180	19.55	19.48	17.629	17.561
	40	5200	19.80	19.93	17.592	17.610
	48	5240	19.74	19.86	17.580	17.562
n (40MHz)	38	5190	39.07	39.25	35.837	35.792
	46	5230	39.47	38.96	35.816	35.807
ac (20MHz)	36	5180	19.28	19.68	17.649	17.579
	40	5200	19.61	19.40	17.603	17.621
	48	5240	19.63	19.52	17.577	17.594
ac(40MHz)	38	5190	39.83	39.97	35.788	35.816
	46	5230	39.14	39.34	35.737	35.876
ac(80MHz)	42	5210	78.65	79.09	74.906	75.071

BAND 4

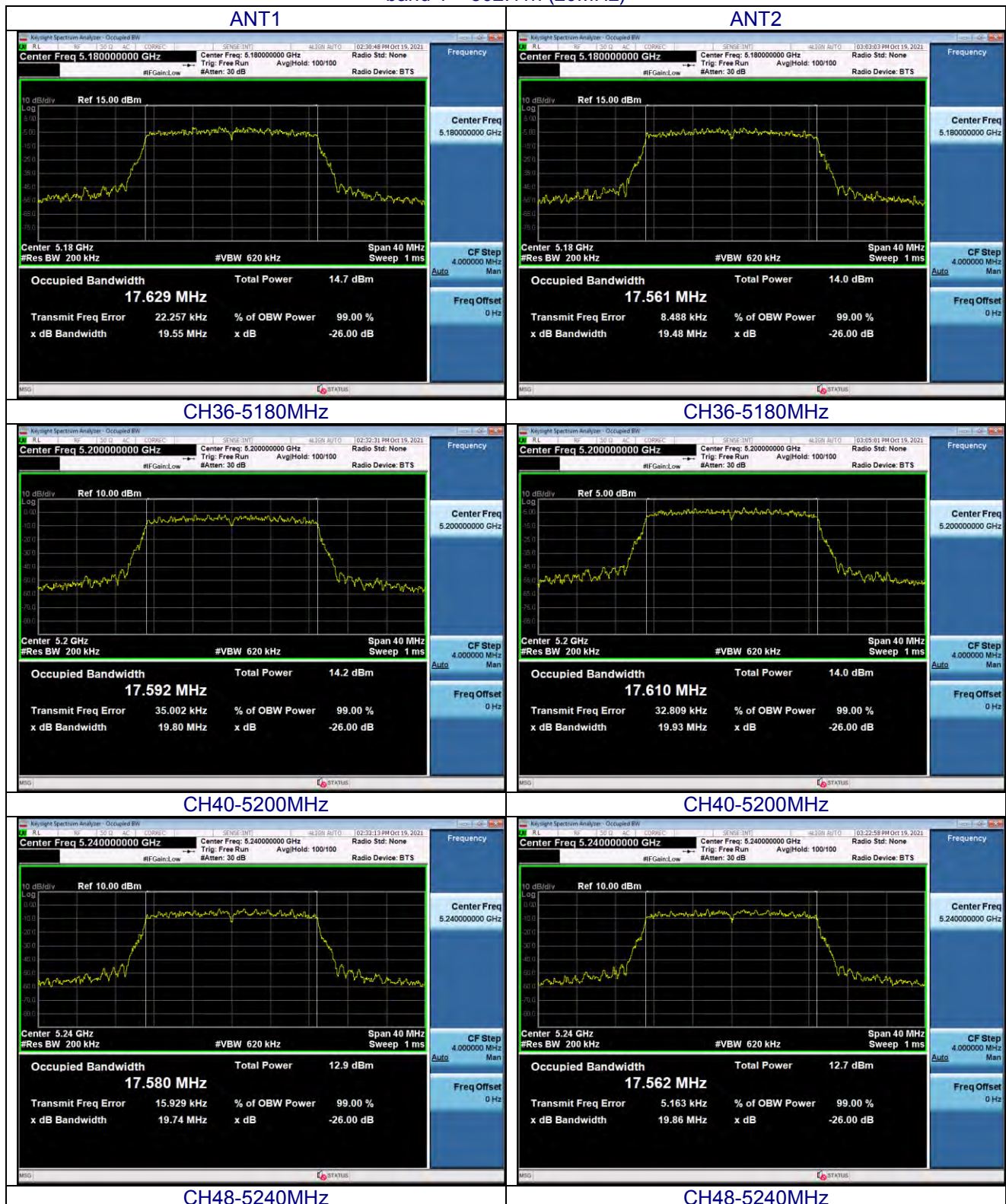
802.11 Mode	Channel No.	Frequency [MHz]	-6db Bandwidth [MHz]		Limit
			ANT1	ANT2	
a	149	5745	16.22	16.42	$\geq 500 \text{ kHz}$
	157	5785	16.02	15.77	
	165	5825	16.01	16.39	
n (20MHz)	149	5745	17.19	17.25	
	157	5785	16.98	16.41	
	165	5825	16.97	15.75	
n (40MHz)	151	5755	35.09	35.07	
	159	5795	35.10	35.11	
ac (20MHz)	149	5745	15.13	16.84	
	157	5785	17.49	16.27	
	165	5825	15.15	15.16	
ac(40MHz)	151	5755	35.10	35.09	
	159	5795	35.11	35.09	
ac(80MHz)	155	5775	75.27	75.12	

Test plot as follows:

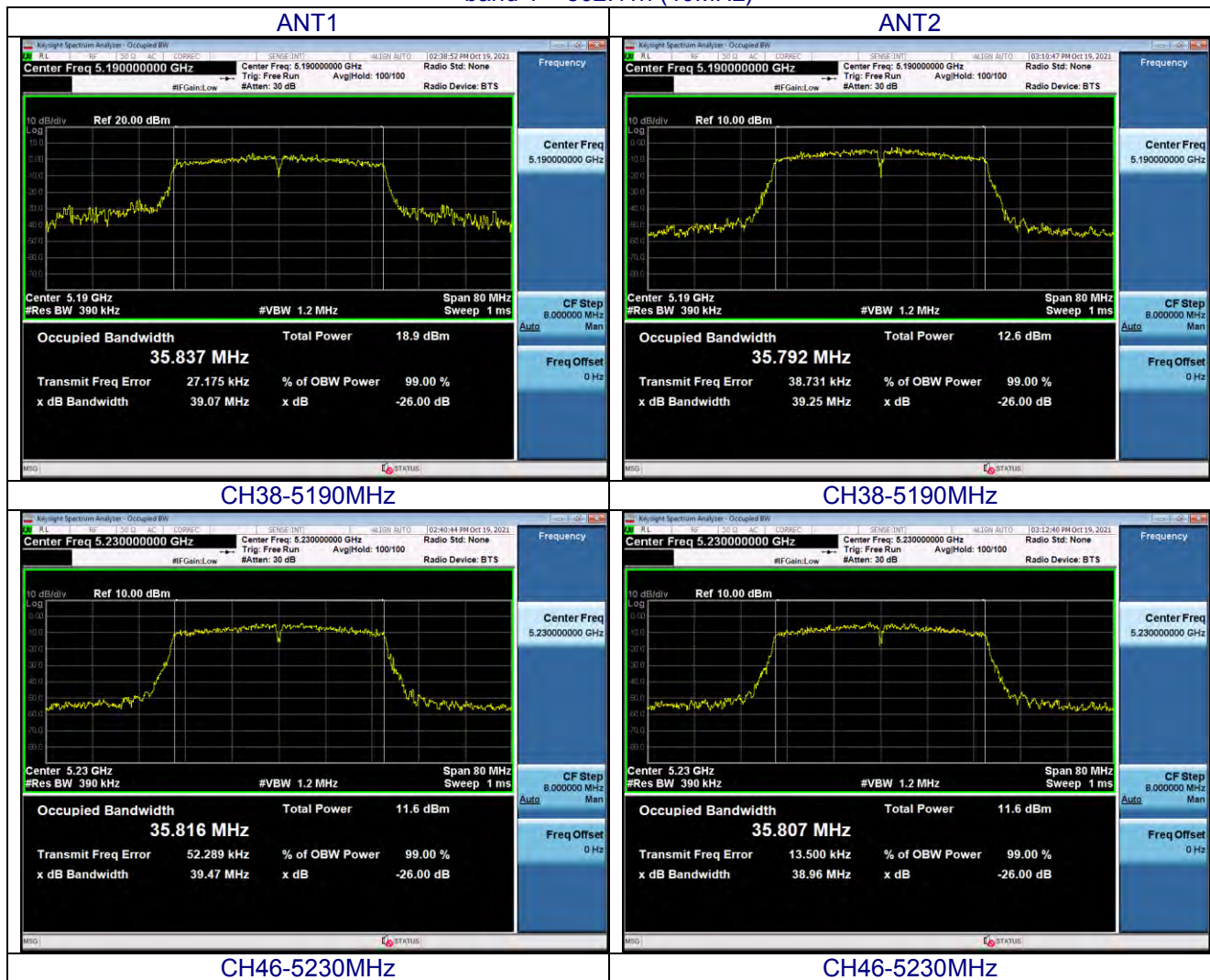
band 1 – 802.11a



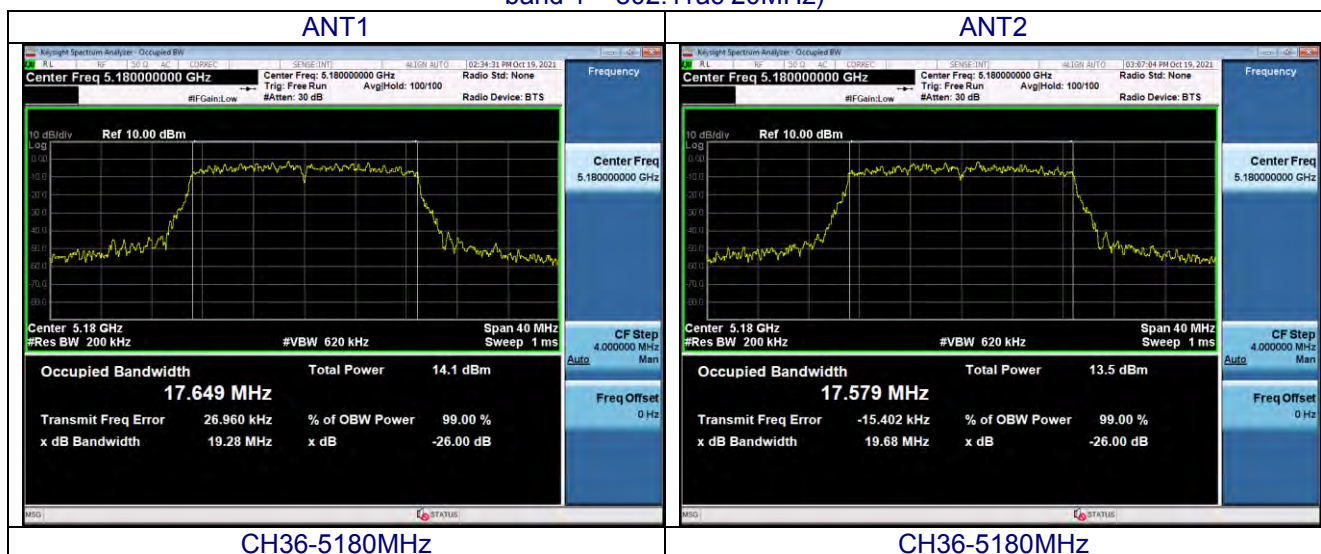
band 1 – 802.11n (20MHz)

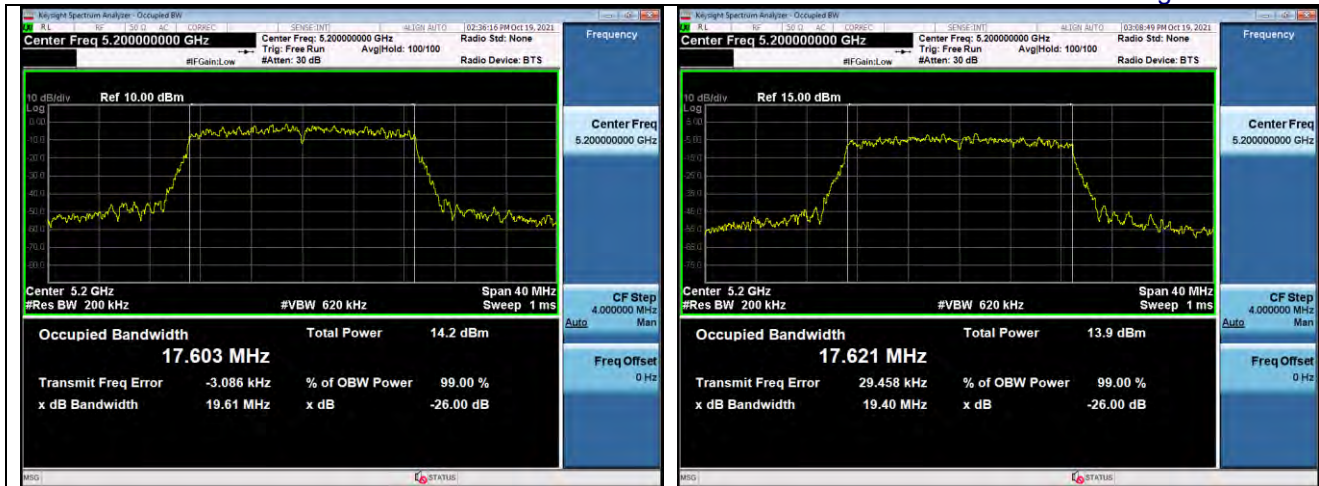


band 1 – 802.11n (40MHz)



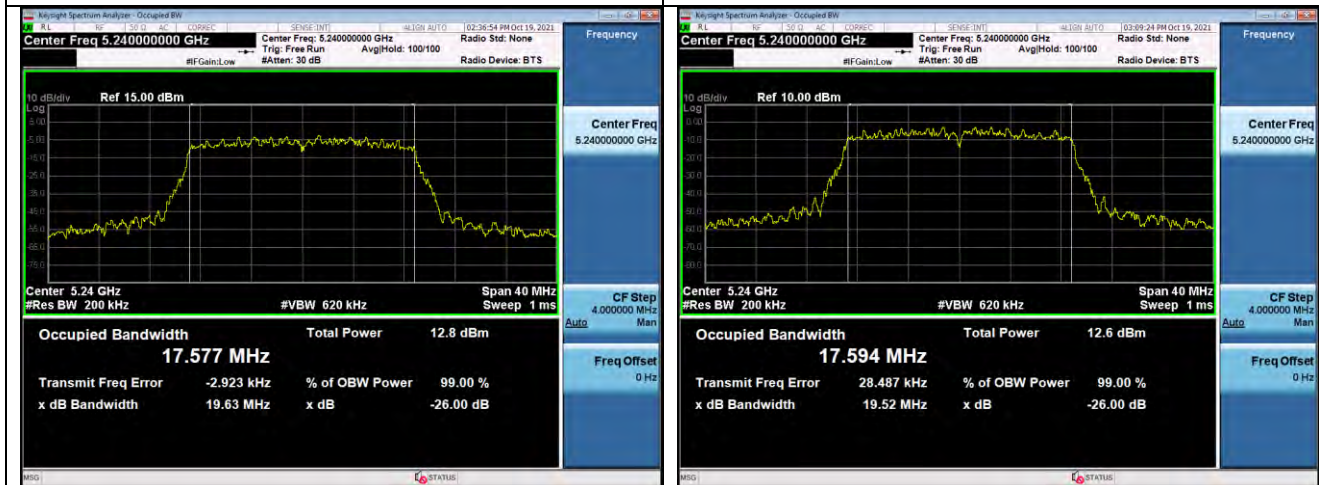
band 1 – 802.11ac (20MHz)





CH40-5200MHz

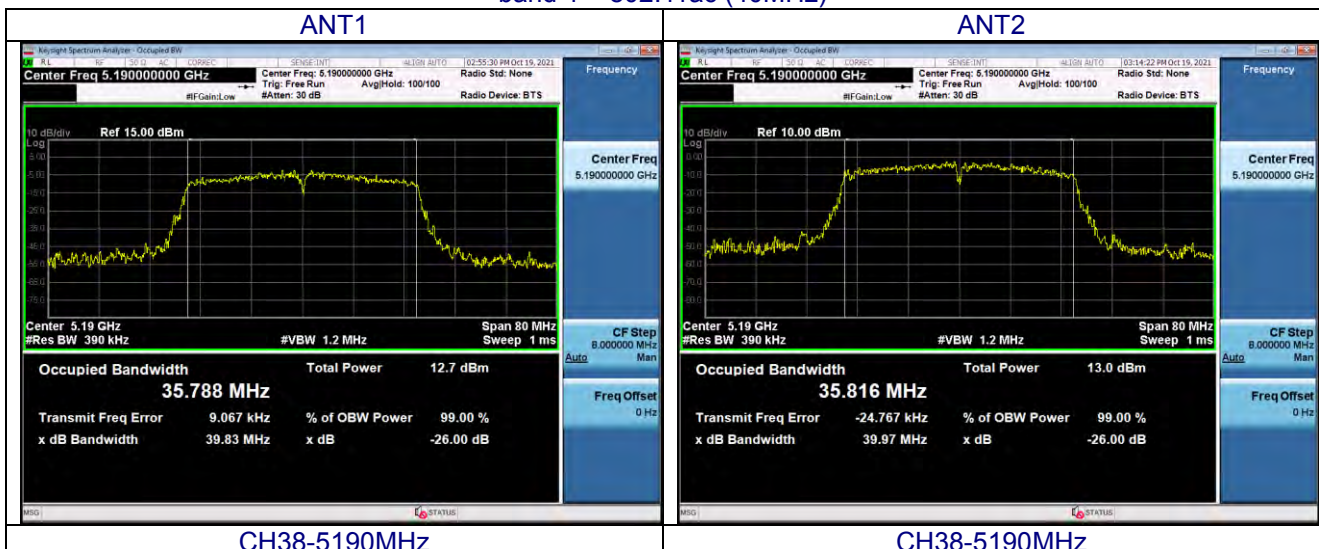
CH40-5200MHz



CH48-5240MHz

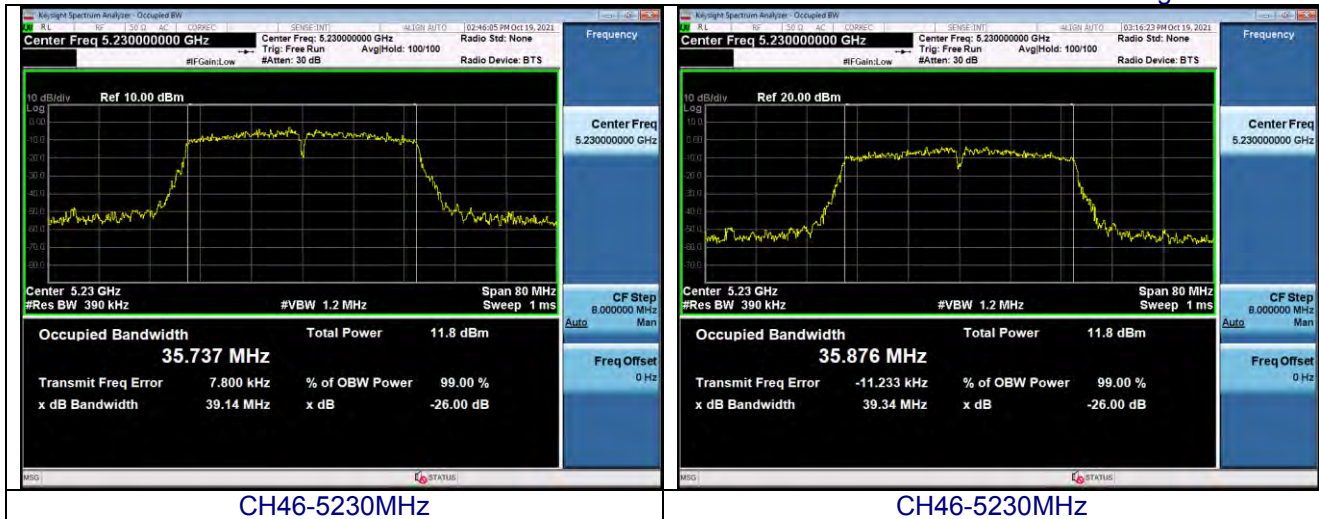
CH48-5240MHz

band 1 – 802.11ac (40MHz)



CH38-5190MHz

CH38-5190MHz



band 1 -802.11ac (80MHz)

