

FCC TEST REPORT

FCC ID: 2A6T2-X98H

Report Number : ZKT-221114L8449-04

Date of Test..... Nov. 02, 2022 -- Nov. 22, 2022

Date of issue..... : Nov. 22, 2022

Total number of pages : 108

Test Result..... : PASS

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

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

Applicant's name : SHENZHEN AMEDIA TECHNOLOGY CO., LTD

Address : Room 201, Building 2, Stech Park, Gaofeng community, Dalang Street, Longhua District, Shenzhen, China

Manufacturer's name : SHENZHEN AMEDIA TECHNOLOGY CO., LTD

Address : Room 201, Building 2, Stech Park, Gaofeng community, Dalang Street, Longhua District, Shenzhen, China

Test specification:

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

Test procedure..... : KDB 789033 D02 V01r02

Non-standard test method : N/A

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

Test Report Form(s) Originator : ZKT Testing

Master TRF : Dated: 2020-01-06

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

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Product name..... : Smart TV BOX

Trademark : /

Model/Type reference : X98H

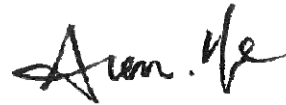
Ratings : DC 5V 2A from adapter

Testing procedure and testing location:

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

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

Tested by (name + signature): Alen He



Reviewer (name + signature).....: Joe Liu



Approved (name + signature): Lake Xie



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1. VERSION

Report No.	Version	Description	Approved
ZKT-221114L8449-04	Rev.01	Initial issue of report	Nov. 22, 2022

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°C
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:	Smart TV BOX			
Model No.:	X98H			
Hardware Version:	V1.0			
Software Version:	V1.0			
Sample(s) Status:	Engineer sample			
	IEEE802.11 WLAN mode supported	802.11a/n/ac/ax(20MHz channel bandwidth) 802.11n/ac/ax (40MHz channel bandwidth)		
	Date rate	802.11a:6-54MHz 802.11ac:MCS0-MCS9 802.11n: MCS0-MCS7 802.11ax: MCS0-MCS11		
	Modulation	OFDM/OFDMA		
	U-NII-1	Frequency Range	802.11a/n/ac/ax(20MHz) : 5180-5240MHz 802.11n/ac/ax (40MHz) : 5190-5230MHz	
		Channels	802.11 a/n/ac/ax (20MHz): 4 802.11 ac /n/ax (40MHz): 2	
	U-NII-3	Frequency Range	802.11 a/n/ac/ax(20MHz) : 5745-5825MHz 802.11 n/ac/ax (40MHz): 5755-5795MHz	
Channels		802.11 a/n/ac/ax(20MHz) : 5 802.11 n/ac/ax (40MHz): 2		
Antenna Type:	Shrapnel antenna			
Antenna gain:	3.03dBi			
Power supply:	DC5.0V from adapter			

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

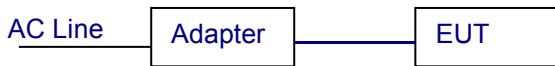
802.11 a/n/ac/ax (20MHz) Frequency / Channel Operations

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

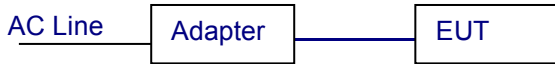
802.11n /ac/ax (40MHz BW) Frequency / Channel Operations

3.2 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

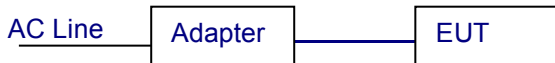
Conducted Emission



Radiated Emission



Conducted Spurious



3.3 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
1	adapter	/	Model: BCT050200-C07V Input: 100-240V ~50/60Hz 0.4A Output: 5V 2A		FCC
2	Controller	/	/	/	FCC

Item	Shielded Type	Ferrite Core	Length	Note
1	HDMI	/	50CM	

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.

3.4 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

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

Conduction Test equipment

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

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

4.1.1 POWER LINE CONDUCTED EMISSION LIMITS

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

Note:

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

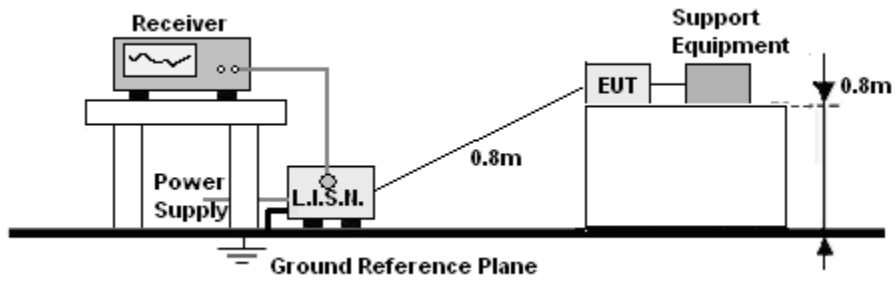
4.1.2 TEST PROCEDURE

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



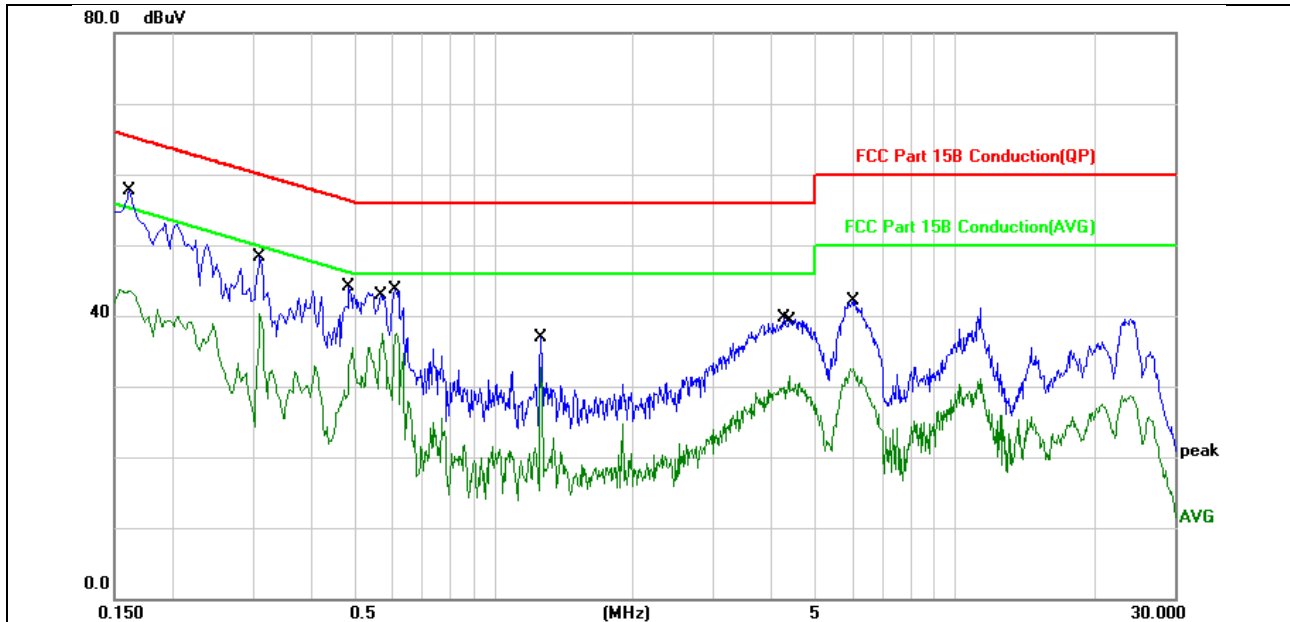
4.1.5 EUT OPERATING CONDITIONS

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

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

4.1.6 TEST RESULT

Temperature :	26°C	Relative Humidity:	54%
Pressure :	101kPa	Phase :	L
Test Voltage :	AC 120V/60Hz	Mode:	802.11ax- 5180.00

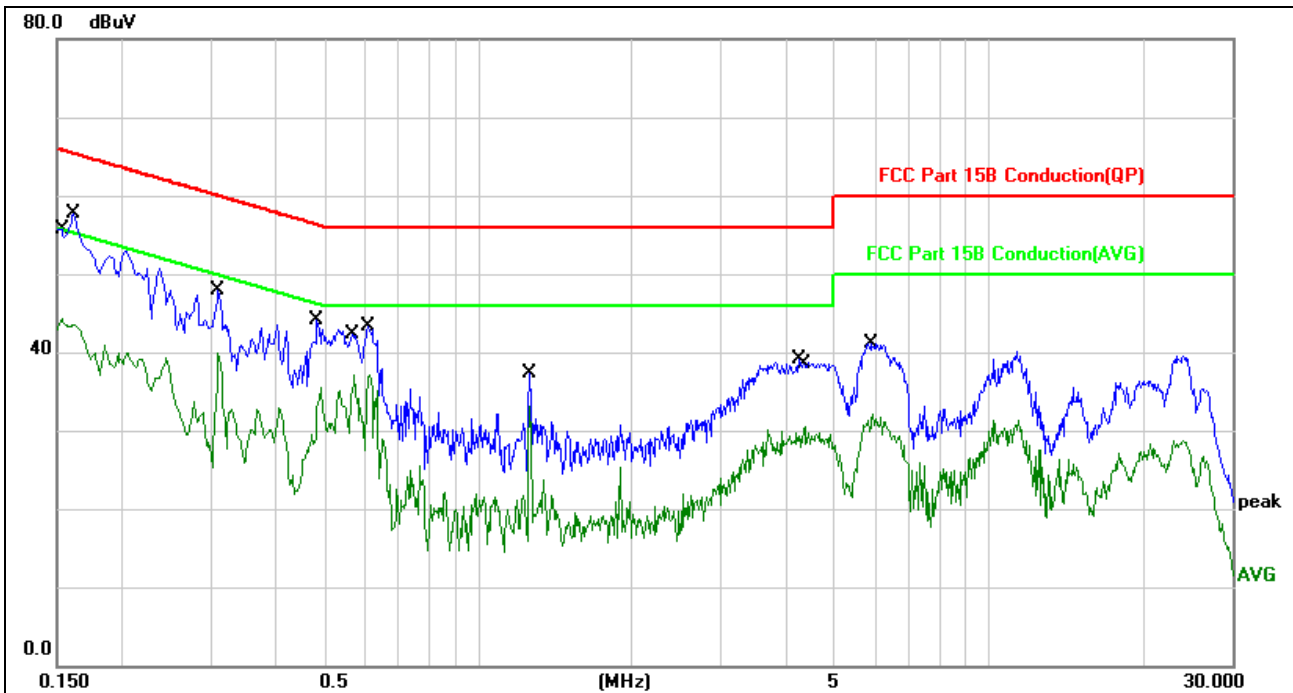


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1	*	0.1615	47.95	9.75	57.70	65.38	-7.68	QP	
2		0.1615	33.73	9.75	43.48	55.38	-11.90	AVG	
3		0.3099	38.46	9.87	48.33	59.97	-11.64	QP	
4		0.3099	30.46	9.87	40.33	49.97	-9.64	AVG	
5		0.4837	34.22	9.85	44.07	56.28	-12.21	QP	
6		0.5731	27.73	9.84	37.57	46.00	-8.43	AVG	
7		0.6075	33.91	9.84	43.75	56.00	-12.25	QP	
8		1.2620	22.92	9.72	32.64	46.00	-13.36	AVG	
9		4.2465	29.93	9.68	39.61	56.00	-16.39	QP	
10		4.3605	21.87	9.67	31.54	46.00	-14.46	AVG	
11		5.9292	22.94	9.64	32.58	50.00	-17.42	AVG	
12		5.9924	32.38	9.64	42.02	60.00	-17.98	QP	

Notes:

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

Temperature :	26°C	Relative Humidity:	54%
Pressure :	101kPa	Phase :	N
Test Voltage :	AC 120V/60Hz	Mode:	802.11ax-5180.00



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1532	34.57	9.75	44.32	55.82	-11.50	AVG	
2 *	0.1615	47.95	9.75	57.70	65.38	-7.68	QP	
3	0.3099	37.96	9.87	47.83	59.97	-12.14	QP	
4	0.3099	29.96	9.87	39.83	49.97	-10.14	AVG	
5	0.4837	34.22	9.85	44.07	56.28	-12.21	QP	
6	0.5731	27.23	9.84	37.07	46.00	-8.93	AVG	
7	0.6075	33.41	9.84	43.25	56.00	-12.75	QP	
8	1.2620	27.59	9.72	37.31	56.00	-18.69	QP	
9	1.2620	23.42	9.72	33.14	46.00	-12.86	AVG	
10	4.2465	29.43	9.68	39.11	56.00	-16.89	QP	
11	4.3605	20.87	9.67	30.54	46.00	-15.46	AVG	
12	5.9292	22.44	9.64	32.08	50.00	-17.92	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 1GHz and 1.5 meter for frequency above 1GHz. 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 (micovolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT

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

Notes:

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

4.2.2 TEST PROCEDURE

Below 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 0.1 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a 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:

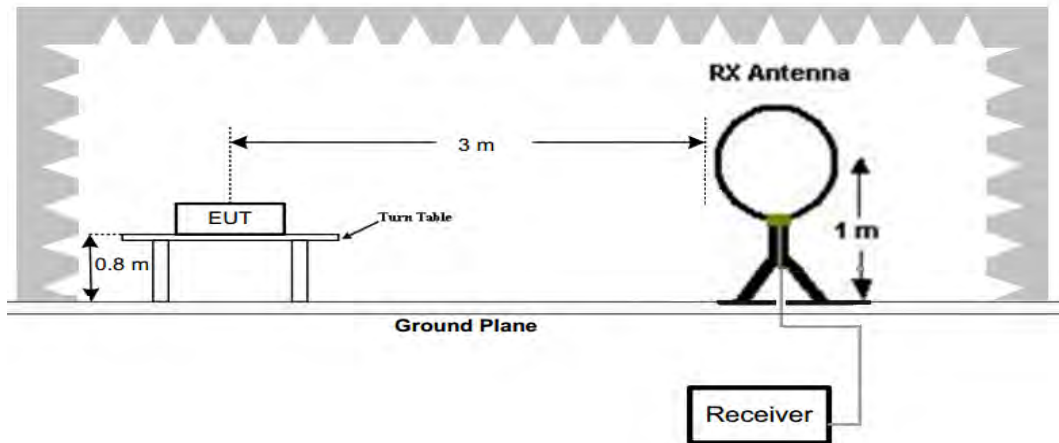
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

4.2.3 DEVIATION FROM TEST STANDARD

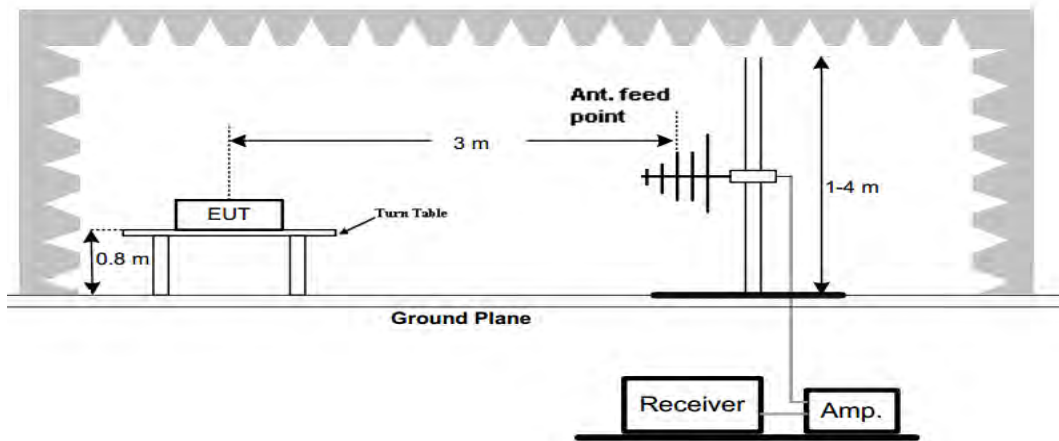
No deviation

4.2.4 TEST SETUP

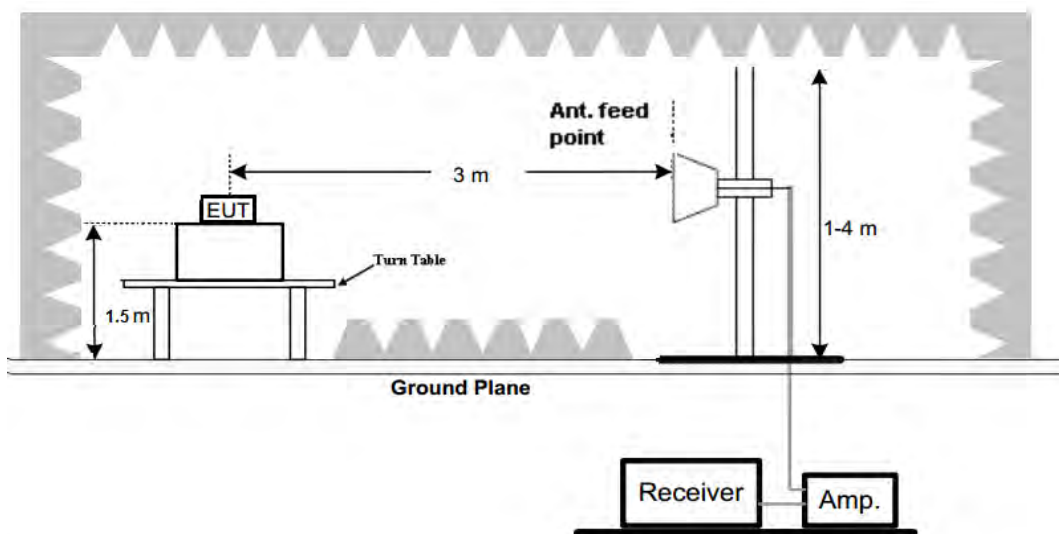
(A) Radiated Emission Test-Up Frequency Below 30MHz



(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.

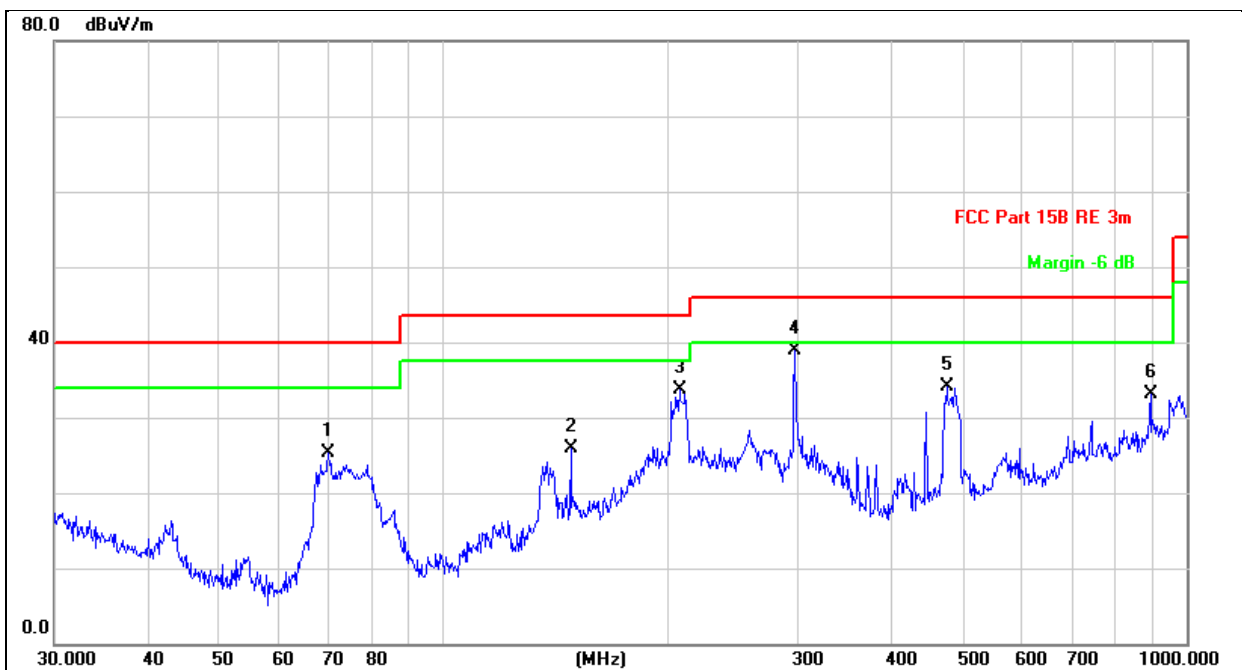
4.2.6 TEST RESULTS

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.

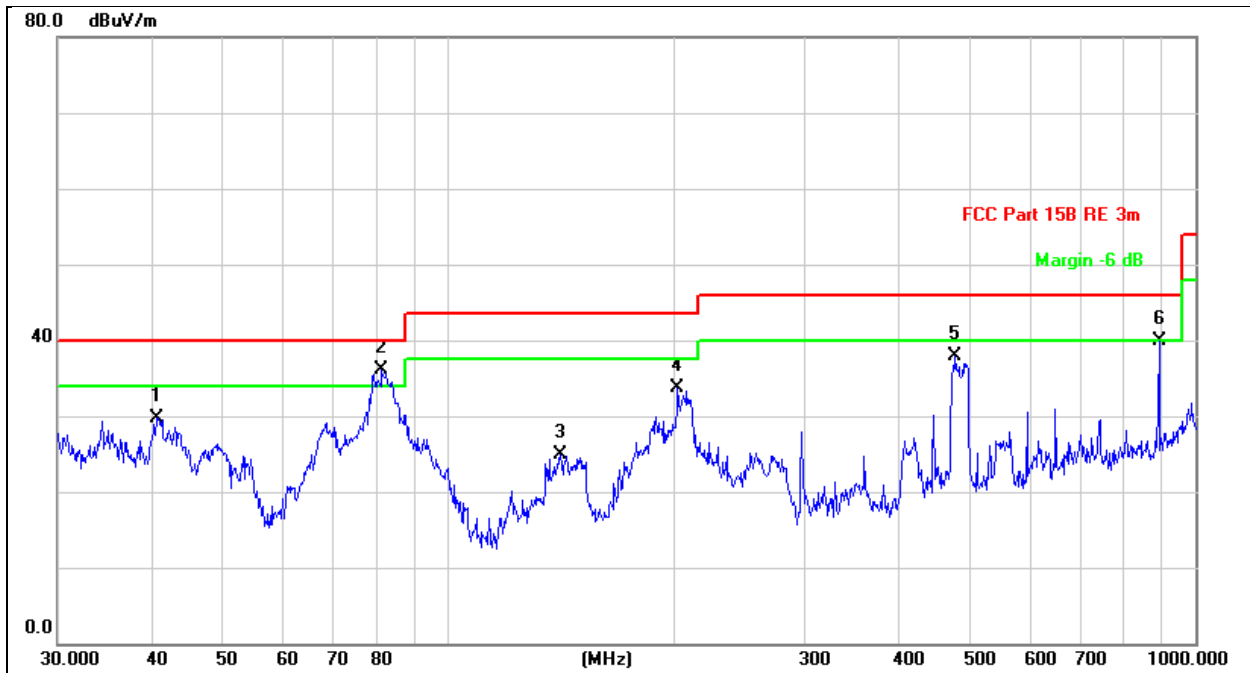
Between 30MHz – 1GHz

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	AC120V 60Hz	Mode:	802.11ax -5180.00



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	70.0903	40.37	-15.10	25.27	40.00	-14.73	QP	100	0	
2	148.4410	35.42	-9.60	25.82	43.50	-17.68	QP	100	0	
3	207.8501	43.84	-10.12	33.72	43.50	-9.78	QP	100	0	
4	* 297.2241	47.08	-8.21	38.87	46.00	-7.13	QP	100	0	
5	475.4991	37.91	-3.82	34.09	46.00	-11.91	QP	100	0	
6	893.8567	29.77	3.36	33.13	46.00	-12.87	QP	100	0	

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	AC120V 60Hz	Mode:	802.11ax -5180.00



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		40.7016	40.30	-10.54	29.76	40.00	-10.24	QP	100	360
2	*	81.4970	51.39	-15.22	36.17	40.00	-3.83	QP	100	360
3		141.3298	34.74	-9.85	24.89	43.50	-18.61	QP	100	360
4		202.8104	43.85	-10.05	33.80	43.50	-9.70	QP	100	360
5		477.1694	41.61	-3.78	37.83	46.00	-8.17	QP	100	360
6		893.8567	36.49	3.36	39.85	46.00	-6.15	QP	100	360

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	55.34	30.55	5.77	24.66	55.22	74.00	-18.78	PK
V	10360	42.92	30.55	5.77	24.66	42.80	54.00	-11.20	AV
V	15540	56.34	30.33	6.32	24.55	56.88	74.00	-17.12	PK
V	15540	45.52	30.33	6.32	24.55	46.06	54.00	-7.94	AV
V	20720	44.83	30.85	7.45	24.69	46.12	74.00	-27.88	PK
V	20720	43.82	30.85	7.45	24.69	45.11	54.00	-8.89	AV
H	10360	44.56	31.02	8.99	25.57	48.10	74.00	-25.90	PK
H	10360	43.98	31.02	8.99	25.57	47.52	54.00	-6.48	AV
H	15540	45.97	30.55	5.77	24.66	45.85	74.00	-28.15	PK
H	15540	44.65	30.55	5.77	24.66	44.53	54.00	-9.47	AV
H	20720	46.14	30.33	6.32	24.55	46.68	74.00	-27.32	PK
H	20720	45.88	30.33	6.32	24.55	46.42	54.00	-7.58	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	52.06	30.55	5.77	24.66	51.94	74.00	-22.06	PK
V	10400	44.56	30.55	5.77	24.66	44.44	54.00	-9.56	AV
V	15600	57.24	30.33	6.32	24.55	57.78	74.00	-16.22	PK
V	15600	47.46	30.33	6.32	24.55	48.00	54.00	-6.00	AV
V	20800	45.44	30.85	7.45	24.69	46.73	74.00	-27.27	PK
V	20800	43.87	30.85	7.45	24.69	45.16	54.00	-8.84	AV
H	10400	44.24	31.02	8.99	25.57	47.78	74.00	-26.22	PK
H	10400	44.69	31.02	8.99	25.57	48.23	54.00	-5.77	AV
H	15600	44.93	30.55	5.77	24.66	44.81	74.00	-29.19	PK
H	15600	44.81	30.55	5.77	24.66	44.69	54.00	-9.31	AV
H	20800	43.63	30.33	6.32	24.55	44.17	74.00	-29.83	PK
H	20800	46.01	30.33	6.32	24.55	46.55	54.00	-7.45	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:5240MHz									
V	10480	56.65	30.55	5.77	24.66	56.53	74.00	-17.47	PK
V	10480	44.99	30.55	5.77	24.66	44.87	54.00	-9.13	AV
V	15720	57.14	30.33	6.32	24.55	57.68	74.00	-16.32	PK
V	15720	47.29	30.33	6.32	24.55	47.83	54.00	-6.17	AV
V	20960	44.93	30.85	7.45	24.69	46.22	74.00	-27.78	PK
V	20960	46.43	30.85	7.45	24.69	47.72	54.00	-6.28	AV
H	10480	44.19	31.02	8.99	25.57	47.73	74.00	-26.27	PK
H	10480	45.50	31.02	8.99	25.57	49.04	54.00	-4.96	AV
H	15720	43.75	30.55	5.77	24.66	43.63	74.00	-30.37	PK
H	15720	46.55	30.55	5.77	24.66	46.43	54.00	-7.57	AV
H	20960	45.68	30.33	6.32	24.55	46.22	74.00	-27.78	PK
H	20960	43.93	30.33	6.32	24.55	44.47	54.00	-9.53	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	53.61	30.55	5.77	24.66	53.49	74.00	-20.51	PK
V	11490	43.67	30.55	5.77	24.66	43.55	54.00	-10.45	AV
V	17235	56.27	30.33	6.32	24.55	56.81	74.00	-17.19	PK
V	17235	45.53	30.33	6.32	24.55	46.07	54.00	-7.93	AV
V	22980	43.93	30.85	7.45	24.69	45.22	74.00	-28.78	PK
V	22980	44.69	30.85	7.45	24.69	45.98	54.00	-8.02	AV
H	11490	45.42	31.02	8.99	25.57	48.96	74.00	-25.04	PK
H	11490	46.07	31.02	8.99	25.57	49.61	54.00	-4.39	AV
H	17235	44.41	30.55	5.77	24.66	44.29	74.00	-29.71	PK
H	17235	46.57	30.55	5.77	24.66	46.45	54.00	-7.55	AV
H	22980	43.80	30.33	6.32	24.55	44.34	74.00	-29.66	PK
H	22980	44.99	30.33	6.32	24.55	45.53	54.00	-8.47	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	53.13	30.55	5.77	24.66	53.01	74.00	-20.99	PK
V	11570	44.51	30.55	5.77	24.66	44.39	54.00	-9.61	AV
V	17355	56.68	30.33	6.32	24.55	57.22	74.00	-16.78	PK
V	17355	45.88	30.33	6.32	24.55	46.42	54.00	-7.58	AV
V	23140	44.23	30.85	7.45	24.69	45.52	74.00	-28.48	PK
V	23140	46.01	30.85	7.45	24.69	47.30	54.00	-6.70	AV
H	11570	45.88	31.02	8.99	25.57	49.42	74.00	-24.58	PK
H	11570	45.74	31.02	8.99	25.57	49.28	54.00	-4.72	AV
H	17355	46.37	30.55	5.77	24.66	46.25	74.00	-27.75	PK
H	17355	44.82	30.55	5.77	24.66	44.70	54.00	-9.30	AV
H	23140	46.55	30.33	6.32	24.55	47.09	74.00	-26.91	PK
H	23140	46.14	30.33	6.32	24.55	46.68	54.00	-7.32	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	57.13	30.55	5.77	24.66	57.01	74.00	-16.99	PK
V	11650	43.35	30.55	5.77	24.66	43.23	54.00	-10.77	AV
V	17475	55.47	30.33	6.32	24.55	56.01	74.00	-17.99	PK
V	17475	45.32	30.33	6.32	24.55	45.86	54.00	-8.14	AV
V	23300	45.69	30.85	7.45	24.69	46.98	74.00	-27.02	PK
V	23300	45.59	30.85	7.45	24.69	46.88	54.00	-7.12	AV
H	11650	44.76	31.02	8.99	25.57	48.30	74.00	-25.70	PK
H	11650	44.62	31.02	8.99	25.57	48.16	54.00	-5.84	AV
H	17475	44.21	30.55	5.77	24.66	44.09	74.00	-29.91	PK
H	17475	44.45	30.55	5.77	24.66	44.33	54.00	-9.67	AV
H	23300	44.04	30.33	6.32	24.55	44.58	74.00	-29.42	PK
H	23300	44.68	30.33	6.32	24.55	45.22	54.00	-8.78	AV

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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	54.09	30.55	5.77	24.66	53.97	74.00	-20.03	PK
V	10360	45.34	30.55	5.77	24.66	45.22	54.00	-8.78	AV
V	15540	57.53	30.33	6.32	24.55	58.07	74.00	-15.93	PK
V	15540	46.44	30.33	6.32	24.55	46.98	54.00	-7.02	AV
V	20720	45.42	30.85	7.45	24.69	46.71	74.00	-27.29	PK
V	20720	43.62	30.85	7.45	24.69	44.91	54.00	-9.09	AV
H	10360	44.55	31.02	8.99	25.57	48.09	74.00	-25.91	PK
H	10360	46.13	31.02	8.99	25.57	49.67	54.00	-4.33	AV
H	15540	45.95	30.55	5.77	24.66	45.83	74.00	-28.17	PK
H	15540	46.34	30.55	5.77	24.66	46.22	54.00	-7.78	AV
H	20720	44.07	30.33	6.32	24.55	44.61	74.00	-29.39	PK
H	20720	45.08	30.33	6.32	24.55	45.62	54.00	-8.38	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	54.74	30.55	5.77	24.66	54.62	74.00	-19.38	PK
V	10400	42.76	30.55	5.77	24.66	42.64	54.00	-11.36	AV
V	15600	57.59	30.33	6.32	24.55	58.13	74.00	-15.87	PK
V	15600	47.39	30.33	6.32	24.55	47.93	54.00	-6.07	AV
V	20800	44.35	30.85	7.45	24.69	45.64	74.00	-28.36	PK
V	20800	46.29	30.85	7.45	24.69	47.58	54.00	-6.42	AV
H	10400	45.22	31.02	8.99	25.57	48.76	74.00	-25.24	PK
H	10400	44.54	31.02	8.99	25.57	48.08	54.00	-5.92	AV
H	15600	44.89	30.55	5.77	24.66	44.77	74.00	-29.23	PK
H	15600	46.15	30.55	5.77	24.66	46.03	54.00	-7.97	AV
H	20800	44.39	30.33	6.32	24.55	44.93	74.00	-29.07	PK
H	20800	46.01	30.33	6.32	24.55	46.55	54.00	-7.45	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	56.11	30.55	5.77	24.66	55.99	74.00	-18.01	PK
V	10480	45.56	30.55	5.77	24.66	45.44	54.00	-8.56	AV
V	15720	54.92	30.33	6.32	24.55	55.46	74.00	-18.54	PK
V	15720	46.26	30.33	6.32	24.55	46.80	54.00	-7.20	AV
V	20960	43.68	30.85	7.45	24.69	44.97	74.00	-29.03	PK
V	20960	45.68	30.85	7.45	24.69	46.97	54.00	-7.03	AV
H	10480	45.70	31.02	8.99	25.57	49.24	74.00	-24.76	PK
H	10480	44.45	31.02	8.99	25.57	47.99	54.00	-6.01	AV
H	15720	46.32	30.55	5.77	24.66	46.20	74.00	-27.80	PK
H	15720	45.97	30.55	5.77	24.66	45.85	54.00	-8.15	AV
H	20960	44.44	30.33	6.32	24.55	44.98	74.00	-29.02	PK
H	20960	45.49	30.33	6.32	24.55	46.03	54.00	-7.97	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:5745MHz									
V	11490	51.91	30.55	5.77	24.66	51.79	74.00	-22.21	PK
V	11490	45.36	30.55	5.77	24.66	45.24	54.00	-8.76	AV
V	17235	56.17	30.33	6.32	24.55	56.71	74.00	-17.29	PK
V	17235	45.95	30.33	6.32	24.55	46.49	54.00	-7.51	AV
V	22980	44.99	30.85	7.45	24.69	46.28	74.00	-27.72	PK
V	22980	44.88	30.85	7.45	24.69	46.17	54.00	-7.83	AV
H	11490	46.11	31.02	8.99	25.57	49.65	74.00	-24.35	PK
H	11490	46.01	31.02	8.99	25.57	49.55	54.00	-4.45	AV
H	17235	46.03	30.55	5.77	24.66	45.91	74.00	-28.09	PK
H	17235	44.69	30.55	5.77	24.66	44.57	54.00	-9.43	AV
H	22980	46.33	30.33	6.32	24.55	46.87	74.00	-27.13	PK
H	22980	43.66	30.33	6.32	24.55	44.20	54.00	-9.80	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	54.62	30.55	5.77	24.66	54.50	74.00	-19.50	PK
V	11570	45.03	30.55	5.77	24.66	44.91	54.00	-9.09	AV
V	17355	54.62	30.33	6.32	24.55	55.16	74.00	-18.84	PK
V	17355	44.87	30.33	6.32	24.55	45.41	54.00	-8.59	AV
V	23140	46.05	30.85	7.45	24.69	47.34	74.00	-26.66	PK
V	23140	46.54	30.85	7.45	24.69	47.83	54.00	-6.17	AV
H	11570	46.29	31.02	8.99	25.57	49.83	74.00	-24.17	PK
H	11570	43.71	31.02	8.99	25.57	47.25	54.00	-6.75	AV
H	17355	45.72	30.55	5.77	24.66	45.60	74.00	-28.40	PK
H	17355	45.49	30.55	5.77	24.66	45.37	54.00	-8.63	AV
H	23140	45.64	30.33	6.32	24.55	46.18	74.00	-27.82	PK
H	23140	45.14	30.33	6.32	24.55	45.68	54.00	-8.32	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	57.14	30.55	5.77	24.66	57.02	74.00	-16.98	PK
V	11650	43.47	30.55	5.77	24.66	43.35	54.00	-10.65	AV
V	17475	56.12	30.33	6.32	24.55	56.66	74.00	-17.34	PK
V	17475	46.94	30.33	6.32	24.55	47.48	54.00	-6.52	AV
V	23300	45.17	30.85	7.45	24.69	46.46	74.00	-27.54	PK
V	23300	45.79	30.85	7.45	24.69	47.08	54.00	-6.92	AV
H	11650	46.36	31.02	8.99	25.57	49.90	74.00	-24.10	PK
H	11650	45.86	31.02	8.99	25.57	49.40	54.00	-4.60	AV
H	17475	46.33	30.55	5.77	24.66	46.21	74.00	-27.79	PK
H	17475	46.10	30.55	5.77	24.66	45.98	54.00	-8.02	AV
H	23300	45.29	30.33	6.32	24.55	45.83	74.00	-28.17	PK
H	23300	45.30	30.33	6.32	24.55	45.84	54.00	-8.16	AV

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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	10360	56.57	30.55	5.77	24.66	56.45	74.00	-17.55	PK
V	10360	43.48	30.55	5.77	24.66	43.36	54.00	-10.64	AV
V	15540	56.94	30.33	6.32	24.55	57.48	74.00	-16.52	PK
V	15540	45.76	30.33	6.32	24.55	46.30	54.00	-7.70	AV
V	20720	45.65	30.85	7.45	24.69	46.94	74.00	-27.06	PK
V	20720	44.69	30.85	7.45	24.69	45.98	54.00	-8.02	AV
H	10360	45.95	31.02	8.99	25.57	49.49	74.00	-24.51	PK
H	10360	43.83	31.02	8.99	25.57	47.37	54.00	-6.63	AV
H	15540	45.11	30.55	5.77	24.66	44.99	74.00	-29.01	PK
H	15540	46.21	30.55	5.77	24.66	46.09	54.00	-7.91	AV
H	20720	44.08	30.33	6.32	24.55	44.62	74.00	-29.38	PK
H	20720	45.92	30.33	6.32	24.55	46.46	54.00	-7.54	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	53.01	30.55	5.77	24.66	52.89	74.00	-21.11	PK
V	10460	42.64	30.55	5.77	24.66	42.52	54.00	-11.48	AV
V	15690	55.20	30.33	6.32	24.55	55.74	74.00	-18.26	PK
V	15690	45.90	30.33	6.32	24.55	46.44	54.00	-7.56	AV
V	20920	45.19	30.85	7.45	24.69	46.48	74.00	-27.52	PK
V	20920	44.51	30.85	7.45	24.69	45.80	54.00	-8.20	AV
H	10460	45.42	31.02	8.99	25.57	48.96	74.00	-25.04	PK
H	10460	46.18	31.02	8.99	25.57	49.72	54.00	-4.28	AV
H	15690	45.97	30.55	5.77	24.66	45.85	74.00	-28.15	PK
H	15690	45.06	30.55	5.77	24.66	44.94	54.00	-9.06	AV
H	20920	45.16	30.33	6.32	24.55	45.70	74.00	-28.30	PK
H	20920	45.06	30.33	6.32	24.55	45.60	54.00	-8.40	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:5755MHz									
V	11510	53.00	30.55	5.77	24.66	52.88	74.00	-21.12	PK
V	11510	43.89	30.55	5.77	24.66	43.77	54.00	-10.23	AV
V	17265	54.76	30.33	6.32	24.55	55.30	74.00	-18.70	PK
V	17265	45.60	30.33	6.32	24.55	46.14	54.00	-7.86	AV
V	23020	45.31	30.85	7.45	24.69	46.60	74.00	-27.40	PK
V	23020	44.51	30.85	7.45	24.69	45.80	54.00	-8.20	AV
H	11510	44.84	31.02	8.99	25.57	48.38	74.00	-25.62	PK
H	11510	45.24	31.02	8.99	25.57	48.78	54.00	-5.22	AV
H	17265	45.25	30.55	5.77	24.66	45.13	74.00	-28.87	PK
H	17265	44.52	30.55	5.77	24.66	44.40	54.00	-9.60	AV
H	23020	45.39	30.33	6.32	24.55	45.93	74.00	-28.07	PK
H	23020	45.10	30.33	6.32	24.55	45.64	54.00	-8.36	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	55.71	30.55	5.77	24.66	55.59	74.00	-18.41	PK
V	11590	45.01	30.55	5.77	24.66	44.89	54.00	-9.11	AV
V	17385	56.49	30.33	6.32	24.55	57.03	74.00	-16.97	PK
V	17385	47.44	30.33	6.32	24.55	47.98	54.00	-6.02	AV
V	23180	45.47	30.85	7.45	24.69	46.76	74.00	-27.24	PK
V	23180	45.21	30.85	7.45	24.69	46.50	54.00	-7.50	AV
H	11590	45.74	31.02	8.99	25.57	49.28	74.00	-24.72	PK
H	11590	45.84	31.02	8.99	25.57	49.38	54.00	-4.62	AV
H	17385	46.21	30.55	5.77	24.66	46.09	74.00	-27.91	PK
H	17385	44.40	30.55	5.77	24.66	44.28	54.00	-9.72	AV
H	23180	45.48	30.33	6.32	24.55	46.02	74.00	-27.98	PK
H	23180	45.68	30.33	6.32	24.55	46.22	54.00	-7.78	AV

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Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:5180MHz									
V	10360	58.27	30.55	5.77	24.66	58.15	74.00	-15.85	PK
V	10360	45.53	30.55	5.77	24.66	45.41	54.00	-8.59	AV
V	15540	55.65	30.33	6.32	24.55	56.19	74.00	-17.81	PK
V	15540	45.97	30.33	6.32	24.55	46.51	54.00	-7.49	AV
V	20720	44.66	30.85	7.45	24.69	45.95	74.00	-28.05	PK
V	20720	44.74	30.85	7.45	24.69	46.03	54.00	-7.97	AV
H	10360	45.32	31.02	8.99	25.57	48.86	74.00	-25.14	PK
H	10360	44.17	31.02	8.99	25.57	47.71	54.00	-6.29	AV
H	15540	45.27	30.55	5.77	24.66	45.15	74.00	-28.85	PK
H	15540	43.70	30.55	5.77	24.66	43.58	54.00	-10.42	AV
H	20720	44.83	30.33	6.32	24.55	45.37	74.00	-28.63	PK
H	20720	45.81	30.33	6.32	24.55	46.35	54.00	-7.65	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)	
Middle Channel:5200MHz									
V	10400	53.37	30.55	5.77	24.66	53.25	74.00	-20.75	PK
V	10400	44.45	30.55	5.77	24.66	44.33	54.00	-9.67	AV
V	15600	56.30	30.33	6.32	24.55	56.84	74.00	-17.16	PK
V	15600	44.75	30.33	6.32	24.55	45.29	54.00	-8.71	AV
V	20800	43.73	30.85	7.45	24.69	45.02	74.00	-28.98	PK
V	20800	46.21	30.85	7.45	24.69	47.50	54.00	-6.50	AV
H	10400	45.73	31.02	8.99	25.57	49.27	74.00	-24.73	PK
H	10400	44.14	31.02	8.99	25.57	47.68	54.00	-6.32	AV
H	15600	46.14	30.55	5.77	24.66	46.02	74.00	-27.98	PK
H	15600	45.68	30.55	5.77	24.66	45.56	54.00	-8.44	AV
H	20800	46.54	30.33	6.32	24.55	47.08	74.00	-26.92	PK
H	20800	45.98	30.33	6.32	24.55	46.52	54.00	-7.48	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	55.26	30.55	5.77	24.66	55.14	74.00	-18.86	PK
V	10480	43.75	30.55	5.77	24.66	43.63	54.00	-10.37	AV
V	15720	56.59	30.33	6.32	24.55	57.13	74.00	-16.87	PK
V	15720	47.22	30.33	6.32	24.55	47.76	54.00	-6.24	AV
V	20960	45.43	30.85	7.45	24.69	46.72	74.00	-27.28	PK
V	20960	44.28	30.85	7.45	24.69	45.57	54.00	-8.43	AV
H	10480	43.76	31.02	8.99	25.57	47.30	74.00	-26.70	PK
H	10480	44.09	31.02	8.99	25.57	47.63	54.00	-6.37	AV
H	15720	44.01	30.55	5.77	24.66	43.89	74.00	-30.11	PK
H	15720	44.01	30.55	5.77	24.66	43.89	54.00	-10.11	AV
H	20960	45.88	30.33	6.32	24.55	46.42	74.00	-27.58	PK
H	20960	44.87	30.33	6.32	24.55	45.41	54.00	-8.59	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:5745MHz									
V	11490	57.95	30.55	5.77	24.66	57.83	74.00	-16.17	PK
V	11490	45.04	30.55	5.77	24.66	44.92	54.00	-9.08	AV
V	17235	56.07	30.33	6.32	24.55	56.61	74.00	-17.39	PK
V	17235	45.65	30.33	6.32	24.55	46.19	54.00	-7.81	AV
V	22980	45.45	30.85	7.45	24.69	46.74	74.00	-27.26	PK
V	22980	46.24	30.85	7.45	24.69	47.53	54.00	-6.47	AV
H	11490	45.77	31.02	8.99	25.57	49.31	74.00	-24.69	PK
H	11490	44.28	31.02	8.99	25.57	47.82	54.00	-6.18	AV
H	17235	45.02	30.55	5.77	24.66	44.90	74.00	-29.10	PK
H	17235	46.32	30.55	5.77	24.66	46.20	54.00	-7.80	AV
H	22980	45.23	30.33	6.32	24.55	45.77	74.00	-28.23	PK
H	22980	43.85	30.33	6.32	24.55	44.39	54.00	-9.61	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	54.72	30.55	5.77	24.66	54.60	74.00	-19.40	PK
V	11570	44.21	30.55	5.77	24.66	44.09	54.00	-9.91	AV
V	17355	57.03	30.33	6.32	24.55	57.57	74.00	-16.43	PK
V	17355	45.29	30.33	6.32	24.55	45.83	54.00	-8.17	AV
V	23140	45.45	30.85	7.45	24.69	46.74	74.00	-27.26	PK
V	23140	44.37	30.85	7.45	24.69	45.66	54.00	-8.34	AV
H	11570	46.03	31.02	8.99	25.57	49.57	74.00	-24.43	PK
H	11570	44.32	31.02	8.99	25.57	47.86	54.00	-6.14	AV
H	17355	44.94	30.55	5.77	24.66	44.82	74.00	-29.18	PK
H	17355	43.72	30.55	5.77	24.66	43.60	54.00	-10.40	AV
H	23140	43.71	30.33	6.32	24.55	44.25	74.00	-29.75	PK
H	23140	46.57	30.33	6.32	24.55	47.11	54.00	-6.89	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	53.06	30.55	5.77	24.66	52.94	74.00	-21.06	PK
V	11650	45.26	30.55	5.77	24.66	45.14	54.00	-8.86	AV
V	17475	55.48	30.33	6.32	24.55	56.02	74.00	-17.98	PK
V	17475	47.05	30.33	6.32	24.55	47.59	54.00	-6.41	AV
V	23300	45.06	30.85	7.45	24.69	46.35	74.00	-27.65	PK
V	23300	45.39	30.85	7.45	24.69	46.68	54.00	-7.32	AV
H	11650	46.37	31.02	8.99	25.57	49.91	74.00	-24.09	PK
H	11650	46.51	31.02	8.99	25.57	50.05	54.00	-3.95	AV
H	17475	45.56	30.55	5.77	24.66	45.44	74.00	-28.56	PK
H	17475	44.98	30.55	5.77	24.66	44.86	54.00	-9.14	AV
H	23300	44.07	30.33	6.32	24.55	44.61	74.00	-29.39	PK
H	23300	45.40	30.33	6.32	24.55	45.94	54.00	-8.06	AV

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Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:5190MHz									
V	10360	54.18	30.55	5.77	24.66	54.06	74.00	-19.94	PK
V	10360	43.08	30.55	5.77	24.66	42.96	54.00	-11.04	AV
V	15540	55.86	30.33	6.32	24.55	56.40	74.00	-17.60	PK
V	15540	46.58	30.33	6.32	24.55	47.12	54.00	-6.88	AV
V	20720	44.50	30.85	7.45	24.69	45.79	74.00	-28.21	PK
V	20720	45.30	30.85	7.45	24.69	46.59	54.00	-7.41	AV
H	10360	45.47	31.02	8.99	25.57	49.01	74.00	-24.99	PK
H	10360	46.00	31.02	8.99	25.57	49.54	54.00	-4.46	AV
H	15540	46.03	30.55	5.77	24.66	45.91	74.00	-28.09	PK
H	15540	44.37	30.55	5.77	24.66	44.25	54.00	-9.75	AV
H	20720	46.30	30.33	6.32	24.55	46.84	74.00	-27.16	PK
H	20720	46.48	30.33	6.32	24.55	47.02	54.00	-6.98	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Middle Channel:5230MHz									
V	10460	56.82	30.55	5.77	24.66	56.70	74.00	-17.30	PK
V	10460	42.87	30.55	5.77	24.66	42.75	54.00	-11.25	AV
V	15690	56.57	30.33	6.32	24.55	57.11	74.00	-16.89	PK
V	15690	44.80	30.33	6.32	24.55	45.34	54.00	-8.66	AV
V	20920	45.69	30.85	7.45	24.69	46.98	74.00	-27.02	PK
V	20920	43.64	30.85	7.45	24.69	44.93	54.00	-9.07	AV
H	10460	44.30	31.02	8.99	25.57	47.84	74.00	-26.16	PK
H	10460	44.30	31.02	8.99	25.57	47.84	54.00	-6.16	AV
H	15690	45.82	30.55	5.77	24.66	45.70	74.00	-28.30	PK
H	15690	45.02	30.55	5.77	24.66	44.90	54.00	-9.10	AV
H	20920	43.70	30.33	6.32	24.55	44.24	74.00	-29.76	PK
H	20920	44.06	30.33	6.32	24.55	44.60	54.00	-9.40	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:5755MHz									
V	11510	55.22	30.55	5.77	24.66	55.10	74.00	-18.90	PK
V	11510	43.90	30.55	5.77	24.66	43.78	54.00	-10.22	AV
V	17265	56.86	30.33	6.32	24.55	57.40	74.00	-16.60	PK
V	17265	47.47	30.33	6.32	24.55	48.01	54.00	-5.99	AV
V	23020	45.30	30.85	7.45	24.69	46.59	74.00	-27.41	PK
V	23020	45.59	30.85	7.45	24.69	46.88	54.00	-7.12	AV
H	11510	43.83	31.02	8.99	25.57	47.37	74.00	-26.63	PK
H	11510	45.00	31.02	8.99	25.57	48.54	54.00	-5.46	AV
H	17265	46.02	30.55	5.77	24.66	45.90	74.00	-28.10	PK
H	17265	44.11	30.55	5.77	24.66	43.99	54.00	-10.01	AV
H	23020	44.37	30.33	6.32	24.55	44.91	74.00	-29.09	PK
H	23020	46.14	30.33	6.32	24.55	46.68	54.00	-7.32	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	11510	52.59	30.55	5.77	24.66	52.47	74.00	-21.53	PK
V	11510	44.37	30.55	5.77	24.66	44.25	54.00	-9.75	AV
V	17265	54.79	30.33	6.32	24.55	55.33	74.00	-18.67	PK
V	17265	45.14	30.33	6.32	24.55	45.68	54.00	-8.32	AV
V	23020	46.47	30.85	7.45	24.69	47.76	74.00	-26.24	PK
V	23020	44.65	30.85	7.45	24.69	45.94	54.00	-8.06	AV
H	11510	43.98	31.02	8.99	25.57	47.52	74.00	-26.48	PK
H	11510	45.73	31.02	8.99	25.57	49.27	54.00	-4.73	AV
H	17265	43.71	30.55	5.77	24.66	43.59	74.00	-30.41	PK
H	17265	44.65	30.55	5.77	24.66	44.53	54.00	-9.47	AV
H	23020	45.85	30.33	6.32	24.55	46.39	74.00	-27.61	PK
H	23020	45.22	30.33	6.32	24.55	45.76	54.00	-8.24	AV

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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	46.99	30.55	5.77	24.66	46.87	74.00	-27.13	PK
V	10360	36.08	30.55	5.77	24.66	35.96	54.00	-18.04	AV
V	15540	47.90	30.33	6.32	24.55	48.44	74.00	-25.56	PK
V	15540	38.96	30.33	6.32	24.55	39.50	54.00	-14.50	AV
V	20720	49.07	30.85	7.45	24.69	50.36	74.00	-23.64	PK
V	20720	39.52	30.85	7.45	24.69	40.81	54.00	-13.19	AV
H	10360	46.66	31.02	8.99	25.57	50.20	74.00	-23.80	PK
H	10360	38.99	31.02	8.99	25.57	42.53	54.00	-11.47	AV
H	15540	48.67	30.55	5.77	24.66	48.55	74.00	-25.45	PK
H	15540	41.14	30.55	5.77	24.66	41.02	54.00	-12.98	AV
H	20720	48.79	30.33	6.32	24.55	49.33	74.00	-24.67	PK
H	20720	41.56	30.33	6.32	24.55	42.10	54.00	-11.90	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	47.33	30.55	5.77	24.66	47.21	74.00	-26.79	PK
V	10400	34.85	30.55	5.77	24.66	34.73	54.00	-19.27	AV
V	15600	49.50	30.33	6.32	24.55	50.04	74.00	-23.96	PK
V	15600	39.42	30.33	6.32	24.55	39.96	54.00	-14.04	AV
V	20800	51.44	30.85	7.45	24.69	52.73	74.00	-21.27	PK
V	20800	39.58	30.85	7.45	24.69	40.87	54.00	-13.13	AV
H	10400	47.58	31.02	8.99	25.57	51.12	74.00	-22.88	PK
H	10400	38.31	31.02	8.99	25.57	41.85	54.00	-12.15	AV
H	15600	48.20	30.55	5.77	24.66	48.08	74.00	-25.92	PK
H	15600	40.06	30.55	5.77	24.66	39.94	54.00	-14.06	AV
H	20800	51.53	30.33	6.32	24.55	52.07	74.00	-21.93	PK
H	20800	41.71	30.33	6.32	24.55	42.25	54.00	-11.75	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	46.79	30.55	5.77	24.66	46.67	74.00	-27.33	PK
V	10480	34.52	30.55	5.77	24.66	34.40	54.00	-19.60	AV
V	15720	48.77	30.33	6.32	24.55	49.31	74.00	-24.69	PK
V	15720	40.88	30.33	6.32	24.55	41.42	54.00	-12.58	AV
V	20960	49.22	30.85	7.45	24.69	50.51	74.00	-23.49	PK
V	20960	41.57	30.85	7.45	24.69	42.86	54.00	-11.14	AV
H	10480	45.80	31.02	8.99	25.57	49.34	74.00	-24.66	PK
H	10480	37.89	31.02	8.99	25.57	41.43	54.00	-12.57	AV
H	15720	48.46	30.55	5.77	24.66	48.34	74.00	-25.66	PK
H	15720	40.67	30.55	5.77	24.66	40.55	54.00	-13.45	AV
H	20960	49.74	30.33	6.32	24.55	50.28	74.00	-23.72	PK
H	20960	38.83	30.33	6.32	24.55	39.37	54.00	-14.63	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	49.65	30.55	5.77	24.66	49.53	74.00	-24.47	PK
V	11490	34.81	30.55	5.77	24.66	34.69	54.00	-19.31	AV
V	17235	48.78	30.33	6.32	24.55	49.32	74.00	-24.68	PK
V	17235	39.06	30.33	6.32	24.55	39.60	54.00	-14.40	AV
V	22980	49.02	30.85	7.45	24.69	50.31	74.00	-23.69	PK
V	22980	39.84	30.85	7.45	24.69	41.13	54.00	-12.87	AV
H	11490	48.52	31.02	8.99	25.57	52.06	74.00	-21.94	PK
H	11490	39.28	31.02	8.99	25.57	42.82	54.00	-11.18	AV
H	17235	47.93	30.55	5.77	24.66	47.81	74.00	-26.19	PK
H	17235	41.57	30.55	5.77	24.66	41.45	54.00	-12.55	AV
H	22980	49.82	30.33	6.32	24.55	50.36	74.00	-23.64	PK
H	22980	40.07	30.33	6.32	24.55	40.61	54.00	-13.39	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:5785MHz									
V	11570	46.92	30.55	5.77	24.66	46.80	74.00	-27.20	PK
V	11570	35.14	30.55	5.77	24.66	35.02	54.00	-18.98	AV
V	17355	48.23	30.33	6.32	24.55	48.77	74.00	-25.23	PK
V	17355	39.91	30.33	6.32	24.55	40.45	54.00	-13.55	AV
V	23140	50.12	30.85	7.45	24.69	51.41	74.00	-22.59	PK
V	23140	39.25	30.85	7.45	24.69	40.54	54.00	-13.46	AV
H	11570	48.39	31.02	8.99	25.57	51.93	74.00	-22.07	PK
H	11570	38.40	31.02	8.99	25.57	41.94	54.00	-12.06	AV
H	17355	47.43	30.55	5.77	24.66	47.31	74.00	-26.69	PK
H	17355	41.65	30.55	5.77	24.66	41.53	54.00	-12.47	AV
H	23140	50.72	30.33	6.32	24.55	51.26	74.00	-22.74	PK
H	23140	40.00	30.33	6.32	24.55	40.54	54.00	-13.46	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	47.52	30.55	5.77	24.66	47.40	74.00	-26.60	PK
V	11650	34.45	30.55	5.77	24.66	34.33	54.00	-19.67	AV
V	17475	49.64	30.33	6.32	24.55	50.18	74.00	-23.82	PK
V	17475	40.99	30.33	6.32	24.55	41.53	54.00	-12.47	AV
V	23300	49.88	30.85	7.45	24.69	51.17	74.00	-22.83	PK
V	23300	41.65	30.85	7.45	24.69	42.94	54.00	-11.06	AV
H	11650	46.54	31.02	8.99	25.57	50.08	74.00	-23.92	PK
H	11650	38.96	31.02	8.99	25.57	42.50	54.00	-11.50	AV
H	17475	47.90	30.55	5.77	24.66	47.78	74.00	-26.22	PK
H	17475	38.86	30.55	5.77	24.66	38.74	54.00	-15.26	AV
H	23300	50.97	30.33	6.32	24.55	51.51	74.00	-22.49	PK
H	23300	40.98	30.33	6.32	24.55	41.52	54.00	-12.48	AV

ANT1-802.11ax40

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	10360	48.92	30.55	5.77	24.66	48.80	74.00	-25.20	PK
V	10360	34.70	30.55	5.77	24.66	34.58	54.00	-19.42	AV
V	15540	49.24	30.33	6.32	24.55	49.78	74.00	-24.22	PK
V	15540	40.20	30.33	6.32	24.55	40.74	54.00	-13.26	AV
V	20720	51.72	30.85	7.45	24.69	53.01	74.00	-20.99	PK
V	20720	40.66	30.85	7.45	24.69	41.95	54.00	-12.05	AV
H	10360	46.34	31.02	8.99	25.57	49.88	74.00	-24.12	PK
H	10360	40.31	31.02	8.99	25.57	43.85	54.00	-10.15	AV
H	15540	47.47	30.55	5.77	24.66	47.35	74.00	-26.65	PK
H	15540	40.55	30.55	5.77	24.66	40.43	54.00	-13.57	AV
H	20720	51.74	30.33	6.32	24.55	52.28	74.00	-21.72	PK
H	20720	41.28	30.33	6.32	24.55	41.82	54.00	-12.18	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:5230MHz									
V	10460	46.97	30.55	5.77	24.66	46.85	74.00	-27.15	PK
V	10460	34.76	30.55	5.77	24.66	34.64	54.00	-19.36	AV
V	15690	49.20	30.33	6.32	24.55	49.74	74.00	-24.26	PK
V	15690	41.51	30.33	6.32	24.55	42.05	54.00	-11.95	AV
V	20920	50.32	30.85	7.45	24.69	51.61	74.00	-22.39	PK
V	20920	40.39	30.85	7.45	24.69	41.68	54.00	-12.32	AV
H	10460	46.76	31.02	8.99	25.57	50.30	74.00	-23.70	PK
H	10460	39.43	31.02	8.99	25.57	42.97	54.00	-11.03	AV
H	15690	48.20	30.55	5.77	24.66	48.08	74.00	-25.92	PK
H	15690	39.08	30.55	5.77	24.66	38.96	54.00	-15.04	AV
H	20920	51.19	30.33	6.32	24.55	51.73	74.00	-22.27	PK
H	20920	39.90	30.33	6.32	24.55	40.44	54.00	-13.56	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:5755MHz									
V	11510	48.17	30.55	5.77	24.66	48.05	74.00	-25.95	PK
V	11510	34.61	30.55	5.77	24.66	34.49	54.00	-19.51	AV
V	17265	49.24	30.33	6.32	24.55	49.78	74.00	-24.22	PK
V	17265	41.21	30.33	6.32	24.55	41.75	54.00	-12.25	AV
V	23020	51.28	30.85	7.45	24.69	52.57	74.00	-21.43	PK
V	23020	41.36	30.85	7.45	24.69	42.65	54.00	-11.35	AV
H	11510	46.23	31.02	8.99	25.57	49.77	74.00	-24.23	PK
H	11510	39.43	31.02	8.99	25.57	42.97	54.00	-11.03	AV
H	17265	47.20	30.55	5.77	24.66	47.08	74.00	-26.92	PK
H	17265	40.55	30.55	5.77	24.66	40.43	54.00	-13.57	AV
H	23020	50.19	30.33	6.32	24.55	50.73	74.00	-23.27	PK
H	23020	39.94	30.33	6.32	24.55	40.48	54.00	-13.52	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:5795MHz									
V	11510	48.11	30.55	5.77	24.66	47.99	74.00	-26.01	PK
V	11510	35.59	30.55	5.77	24.66	35.47	54.00	-18.53	AV
V	17265	48.38	30.33	6.32	24.55	48.92	74.00	-25.08	PK
V	17265	39.35	30.33	6.32	24.55	39.89	54.00	-14.11	AV
V	23020	50.77	30.85	7.45	24.69	52.06	74.00	-21.94	PK
V	23020	39.88	30.85	7.45	24.69	41.17	54.00	-12.83	AV
H	11510	46.38	31.02	8.99	25.57	49.92	74.00	-24.08	PK
H	11510	38.48	31.02	8.99	25.57	42.02	54.00	-11.98	AV
H	17265	47.93	30.55	5.77	24.66	47.81	74.00	-26.19	PK
H	17265	41.67	30.55	5.77	24.66	41.55	54.00	-12.45	AV
H	23020	50.35	30.33	6.32	24.55	50.89	74.00	-23.11	PK
H	23020	38.97	30.33	6.32	24.55	39.51	54.00	-14.49	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)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5150	51.43	-0.12	51.31	74.00	-22.69	peak	H
5150	41.80	-0.12	41.68	54.00	-12.32	AV	H
5150	55.79	-0.12	55.67	74.00	-18.33	peak	V
5150	38.01	-0.12	37.89	54.00	-16.11	AV	V

Worse case mode:		802.11a		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5250	54.07	-0.12	53.95	74.00	-20.05	peak	H
5250	40.85	-0.12	40.73	54.00	-13.27	AV	H
5250	55.88	-0.12	55.76	74.00	-18.24	peak	V
5250	37.92	-0.12	37.80	54.00	-16.20	AV	V

Worse case mode:		802.11a		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5650	47.06	-0.12	46.94	68.20	-21.26	peak	H
5700	84.67	-0.12	84.55	105.20	-20.65	peak	H
5720	89.75	-0.12	89.63	110.80	-21.17	peak	H
5725	97.23	-0.12	97.11	122.20	-25.09	peak	H
5650	50.22	-0.12	50.10	68.20	-18.10	peak	V
5700	82.13	-0.12	82.01	105.20	-23.19	peak	V
5720	88.24	-0.12	88.12	110.80	-22.68	peak	V
5725	94.27	-0.12	94.15	122.20	-28.05	peak	V

Worse case mode:		802.11a		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5850	97.35	-0.12	97.23	122.20	-24.97	peak	H
5855	86.62	-0.12	86.50	110.80	-24.30	peak	H
5875	84.07	-0.12	83.95	105.20	-21.25	peak	H
5925	47.24	-0.12	47.12	68.20	-21.08	peak	H
5850	98.10	-0.12	97.98	122.20	-24.22	peak	V
5855	89.07	-0.12	88.95	110.80	-21.85	peak	V
5875	79.51	-0.12	79.39	105.20	-25.81	peak	V
5925	49.37	-0.12	49.25	68.20	-18.95	peak	V

Worse case mode:		802.11n20		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5150	54.32	-0.12	54.20	74.00	-19.80	peak	H
5150	38.56	-0.12	38.44	54.00	-15.56	AV	H
5150	52.96	-0.12	52.84	74.00	-21.16	peak	V
5150	37.48	-0.12	37.36	54.00	-16.64	AV	V

Worse case mode:		802.11n20		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5250	51.44	-0.12	51.32	74.00	-22.68	peak	H
5250	39.33	-0.12	39.21	54.00	-14.79	AV	H
5250	55.48	-0.12	55.36	74.00	-18.64	peak	V
5250	38.52	-0.12	38.40	54.00	-15.60	AV	V

Worse case mode:		802.11n20		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5650	50.13	-0.12	50.01	68.20	-18.19	peak	H
5700	82.93	-0.12	82.81	105.20	-22.39	peak	H
5720	89.54	-0.12	89.42	110.80	-21.38	peak	H
5725	96.81	-0.12	96.69	122.20	-25.51	peak	H
5650	49.34	-0.12	49.22	68.20	-18.98	peak	V
5700	84.86	-0.12	84.74	105.20	-20.46	peak	V
5720	89.15	-0.12	89.03	110.80	-21.77	peak	V
5725	97.36	-0.12	97.24	122.20	-24.96	peak	V

Worse case mode:		802.11n20		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5850	97.72	-0.12	97.60	122.20	-24.60	peak	H
5855	87.48	-0.12	87.36	110.80	-23.44	peak	H
5875	84.58	-0.12	84.46	105.20	-20.74	peak	H
5925	45.60	-0.12	45.48	68.20	-22.72	peak	H
5850	99.89	-0.12	99.77	122.20	-22.43	peak	V
5855	87.44	-0.12	87.32	110.80	-23.48	peak	V
5875	82.44	-0.12	82.32	105.20	-22.88	peak	V
5925	49.28	-0.12	49.16	68.20	-19.04	peak	V

Worse case mode:		802.11n40		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5150	54.40	-0.12	54.28	74.00	-19.72	peak	H
5150	40.43	-0.12	40.31	54.00	-13.69	AV	H
5150	55.29	-0.12	55.17	74.00	-18.83	peak	V
5150	37.68	-0.12	37.56	54.00	-16.44	AV	V

Worse case mode:		802.11n40		Test channel:		46	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5250	54.38	-0.12	54.26	74.00	-19.74	peak	H
5250	40.56	-0.12	40.44	54.00	-13.56	AV	H
5250	56.06	-0.12	55.94	74.00	-18.06	peak	V
5250	38.63	-0.12	38.51	54.00	-15.49	AV	V

Worse case mode:		802.11n40		Test channel:		151	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5650	47.76	-0.12	47.64	68.20	-20.56	peak	H
5700	82.09	-0.12	81.97	105.20	-23.23	peak	H
5720	89.89	-0.12	89.77	110.80	-21.03	peak	H
5725	95.33	-0.12	95.21	122.20	-26.99	peak	H
5650	51.00	-0.12	50.88	68.20	-17.32	peak	V
5700	84.18	-0.12	84.06	105.20	-21.14	peak	V
5720	87.69	-0.12	87.57	110.80	-23.23	peak	V
5725	96.19	-0.12	96.07	122.20	-26.13	peak	V

Worse case mode:		802.11n40		Test channel:		159	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5850	97.06	-0.12	96.94	122.20	-25.26	peak	H
5855	86.50	-0.12	86.38	110.80	-24.42	peak	H
5875	86.25	-0.12	86.13	105.20	-19.07	peak	H
5925	47.23	-0.12	47.11	68.20	-21.09	peak	H
5850	94.75	-0.12	94.63	122.20	-27.57	peak	V
5855	88.06	-0.12	87.94	110.80	-22.86	peak	V
5875	79.75	-0.12	79.63	105.20	-25.57	peak	V
5925	47.75	-0.12	47.63	68.20	-20.57	peak	V

Worse case mode:		802.11ac20		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5150	54.67	-0.12	54.55	74.00	-19.45	peak	H
5150	41.24	-0.12	41.12	54.00	-12.88	AV	H
5150	55.30	-0.12	55.18	74.00	-18.82	peak	V
5150	40.42	-0.12	40.30	54.00	-13.70	AV	V

Worse case mode:		802.11ac20		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5250	53.38	-0.12	53.26	74.00	-20.74	peak	H
5250	39.01	-0.12	38.89	54.00	-15.11	AV	H
5250	52.71	-0.12	52.59	74.00	-21.41	peak	V
5250	40.47	-0.12	40.35	54.00	-13.65	AV	V

Worse case mode:		802.11ac20		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5650	46.63	-0.12	46.51	68.20	-21.69	peak	H
5700	82.57	-0.12	82.45	105.20	-22.75	peak	H
5720	87.55	-0.12	87.43	110.80	-23.37	peak	H
5725	98.20	-0.12	98.08	122.20	-24.12	peak	H
5650	50.67	-0.12	50.55	68.20	-17.65	peak	V
5700	84.18	-0.12	84.06	105.20	-21.14	peak	V
5720	87.25	-0.12	87.13	110.80	-23.67	peak	V
5725	94.75	-0.12	94.63	122.20	-27.57	peak	V

Worse case mode:		802.11n20		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5850	98.61	-0.12	98.49	122.20	-23.71	peak	H
5855	87.58	-0.12	87.46	110.80	-23.34	peak	H
5875	83.15	-0.12	83.03	105.20	-22.17	peak	H
5925	45.66	-0.12	45.54	68.20	-22.66	peak	H
5850	95.57	-0.12	95.45	122.20	-26.75	peak	V
5855	85.35	-0.12	85.23	110.80	-25.57	peak	V
5875	82.20	-0.12	82.08	105.20	-23.12	peak	V
5925	48.70	-0.12	48.58	68.20	-19.62	peak	V

Worse case mode:		802.11ac40		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5150	52.52	-0.12	52.40	74.00	-21.60	peak	H
5150	40.29	-0.12	40.17	54.00	-13.83	AV	H
5150	54.28	-0.12	54.16	74.00	-19.84	peak	V
5150	39.17	-0.12	39.05	54.00	-14.95	AV	V

Worse case mode:		802.11ac40		Test channel:		46	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5250	53.29	-0.12	53.17	74.00	-20.83	peak	H
5250	38.24	-0.12	38.12	54.00	-15.88	AV	H
5250	54.65	-0.12	54.53	74.00	-19.47	peak	V
5250	38.96	-0.12	38.84	54.00	-15.16	AV	V

Worse case mode:		802.11ac40		Test channel:		151	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5650	48.09	-0.12	47.97	68.20	-20.23	peak	H
5700	83.71	-0.12	83.59	105.20	-21.61	peak	H
5720	90.41	-0.12	90.29	110.80	-20.51	peak	H
5725	98.42	-0.12	98.30	122.20	-23.90	peak	H
5650	48.19	-0.12	48.07	68.20	-20.13	peak	V
5700	83.96	-0.12	83.84	105.20	-21.36	peak	V
5720	89.48	-0.12	89.36	110.80	-21.44	peak	V
5725	94.75	-0.12	94.63	122.20	-27.57	peak	V

Worse case mode:		802.11ac40		Test channel:		159	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5850	95.48	-0.12	95.36	122.20	-26.84	peak	H
5855	87.15	-0.12	87.03	110.80	-23.77	peak	H
5875	82.64	-0.12	82.52	105.20	-22.68	peak	H
5925	45.09	-0.12	44.97	68.20	-23.23	peak	H
5850	96.05	-0.12	95.93	122.20	-26.27	peak	V
5855	88.35	-0.12	88.23	110.80	-22.57	peak	V
5875	80.53	-0.12	80.41	105.20	-24.79	peak	V
5925	47.89	-0.12	47.77	68.20	-20.43	peak	V

Worse case mode:		802.11ax20		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5150	55.25	-0.12	55.13	74.00	-18.87	peak	H
5150	41.98	-0.12	41.86	54.00	-12.14	AV	H
5150	54.09	-0.12	53.97	74.00	-20.03	peak	V
5150	39.27	-0.12	39.15	54.00	-14.85	AV	V

Worse case mode:		802.11ax20		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5250	54.81	-0.12	54.69	74.00	-19.31	peak	H
5250	41.75	-0.12	41.63	54.00	-12.37	AV	H
5250	52.36	-0.12	52.24	74.00	-21.76	peak	V
5250	40.68	-0.12	40.56	54.00	-13.44	AV	V

Worse case mode:		802.11ax20		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5650	49.13	-0.12	49.01	68.20	-19.19	peak	H
5700	83.83	-0.12	83.71	105.20	-21.49	peak	H
5720	88.17	-0.12	88.05	110.80	-22.75	peak	H
5725	95.19	-0.12	95.07	122.20	-27.13	peak	H
5650	48.08	-0.12	47.96	68.20	-20.24	peak	V
5700	84.38	-0.12	84.26	105.20	-20.94	peak	V
5720	89.91	-0.12	89.79	110.80	-21.01	peak	V
5725	97.45	-0.12	97.33	122.20	-24.87	peak	V

Worse case mode:		802.11ax20		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5850	95.52	-0.12	95.40	122.20	-26.80	peak	H
5855	83.26	-0.12	83.14	110.80	-27.66	peak	H
5875	85.43	-0.12	85.31	105.20	-19.89	peak	H
5925	47.95	-0.12	47.83	68.20	-20.37	peak	H
5850	95.29	-0.12	95.17	122.20	-27.03	peak	V
5855	88.11	-0.12	87.99	110.80	-22.81	peak	V
5875	79.74	-0.12	79.62	105.20	-25.58	peak	V
5925	46.55	-0.12	46.43	68.20	-21.77	peak	V

Worse case mode:		802.11ax40		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5150	52.12	-0.12	52.00	74.00	-22.00	peak	H
5150	39.90	-0.12	39.78	54.00	-14.22	AV	H
5150	52.39	-0.12	52.27	74.00	-21.73	peak	V
5150	40.56	-0.12	40.44	54.00	-13.56	AV	V

Worse case mode:		802.11ax40		Test channel:		46	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5250	54.91	-0.12	54.79	74.00	-19.21	peak	H
5250	40.35	-0.12	40.23	54.00	-13.77	AV	H
5250	53.67	-0.12	53.55	74.00	-20.45	peak	V
5250	38.24	-0.12	38.12	54.00	-15.88	AV	V

Worse case mode:		802.11ax40		Test channel:		151	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5650	47.79	-0.12	47.67	68.20	-20.53	peak	H
5700	82.44	-0.12	82.32	105.20	-22.88	peak	H
5720	90.63	-0.12	90.51	110.80	-20.29	peak	H
5725	95.20	-0.12	95.08	122.20	-27.12	peak	H
5650	48.42	-0.12	48.30	68.20	-19.90	peak	V
5700	83.68	-0.12	83.56	105.20	-21.64	peak	V
5720	87.69	-0.12	87.57	110.80	-23.23	peak	V
5725	95.43	-0.12	95.31	122.20	-26.89	peak	V

Worse case mode:		802.11ax40		Test channel:		159	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
5850	94.91	-0.12	94.79	122.20	-27.41	peak	H
5855	87.75	-0.12	87.63	110.80	-23.17	peak	H
5875	87.88	-0.12	87.76	105.20	-17.44	peak	H
5925	45.50	-0.12	45.38	68.20	-22.82	peak	H
5850	99.81	-0.12	99.69	122.20	-22.51	peak	V
5855	86.08	-0.12	85.96	110.80	-24.84	peak	V
5875	84.80	-0.12	84.68	105.20	-20.52	peak	V
5925	47.79	-0.12	47.67	68.20	-20.53	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

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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

LIMIT:	U-NII-1	17DBM/MHZ
	U-NII-3	30DBM/500KHZ

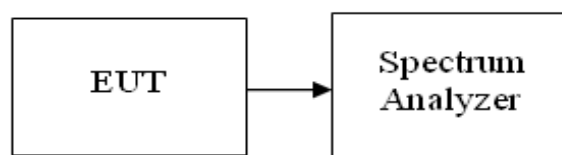
5.2 TEST PROCEDURE

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

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

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

5.6 TEST RESULT

PASS: PLEASE REFER TO APPENDIX: APPENDIX1 FOR DETAILS

6. -26 DB & 6DBM EMISSION BANDWIDTH

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

6.1 APPLIED PROCEDURES / LIMIT

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

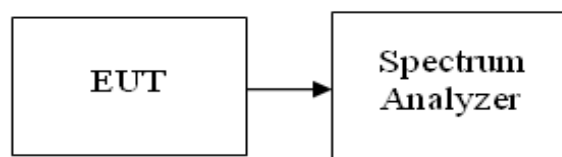
6.2 TEST PROCEDURE

Place the EUT on the table and set it in the transmitting mode.
Remove the antenna from the EUT and then connect a low-loss RF cable from the antenna port to the spectrum analyzer.
Set the spectrum analyzers RBW = approximately 1% of the emission bandwidth, VBW >RBW, Detector = Peak, Span>26dB bandwidth, and Sweep = auto ,Trace mode = max hold.
Measure the maximum width of the emission that is 26dB down from the maximum of the emission.
Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
Repeat until all the rest channels were investigated.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

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

6.6 TEST RESULT

PASS: PLEASE REFER TO APPENDIX: APPENDIX1 FOR DETAILS

7. OUTPUT POWER TEST

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

7.1 APPLIED PROCEDURES/LIMIT

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi.

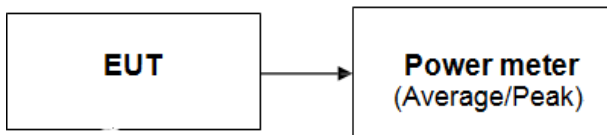
For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

Test Item	Limit	Result
Max conducted output power	1W / 30dbm	Pass
Max conducted output power	1 W / 30dbm	Pass

7.2 DEVIATION FROM STANDARD

No deviation.

7.3 TEST SETUP



7.4 EUT OPERATION CONDITIONS

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

7.5 TEST RESULT

PASS: PLEASE REFER TO APPENDIX: APPENDIX1 FOR DETAILS

8. OUT OF BAND EDGE EMISSION

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

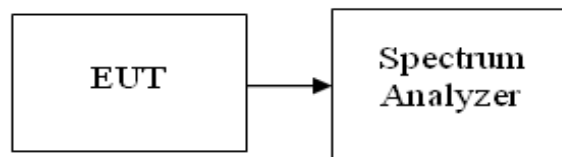
8.1 TEST PROCEDURE

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

8.2 DEVIATION FROM STANDARD

No deviation.

8.3 TEST SETUP



8.4 EUT OPERATION CONDITIONS

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

8.5 TEST RESULTS

PASS: PLEASE REFER TO APPENDIX: APPENDIX1 FOR DETAILS

9. FREQUENCY STABILITY MEASUREMENT

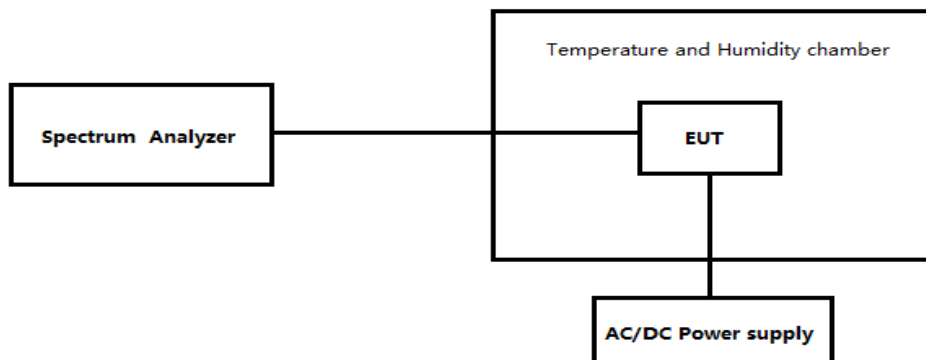
9.1 LIMIT

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

9.2 TESTPROCEDURE

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

9.3 TESTCONFIGURATION



9.4 TEST RESULT

PASS: PLEASE REFER TO APPENDIX: APPENDIX1 FOR DETAILS

10.ANTENNA REQUIREMENT

Standard requirement:	FCC Part15 C Section 15.203 /247(c)
<p>For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247, if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.</p> <p>Refer to statement below for compliance.</p> <p>The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.</p> <p>Antenna Connected Construction</p> <p>The antenna used in this product is a Shrapnel antenna, and the best case gain of the antenna is WIFI ANT1: 3.03dBi;</p>	
<p>EUT Antenna:</p> 	