

iFIT Inc.

RF TEST REPORT

Report Type:

FCC Part 15.407 & ISED RSS-247 RF report

Model:

MP24-Xenon2-L5

REPORT NUMBER:

2412B1488SHA-004

ISSUE DATE:

May 16, 2025

DOCUMENT CONTROL NUMBER:

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TEST REPORT

Applicant: iFIT Inc.
1500 South 1000 West, Logan, UT 84321, USA

Manufacturer: iFIT Inc.
1500 South 1000 West, Logan, UT 84321, USA

Manufacturing Site: LUXSHARE ELECTRONIC TECHNOLOGY (KUNSHAN) LTD.
No.277, Baisheng Road, Jinxi Town, Kunshan City, Jiangsu Province, China

Product Name: Tablet

Type/Model: MP24-Xenon2-L

FCC ID: OMC456481L

IC: 3673A-456481L

SUMMARY:

The equipment complies with the requirements according to the following standard(s) or Specification:

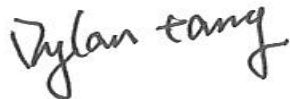
47CFR Part 15 (2023): Radio Frequency Devices (Subpart E)

ANSI C63.10 (2020): American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

RSS-247 Issue 3 (August 2023): Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices

RSS-Gen Issue 5 (February 2021) Amendment 2: General Requirements for Compliance of Radio Apparatus

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Revision History

Report No.	Version	Description	Issued Date
2412B1488SHA-004	Rev. 01	Initial issue of report	May 16, 2025

Measurement result summary

TEST ITEM	FCC REFERENCE	IC REFERENCE	RESULT
26 dB Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247 Issue 3 Clause 6	Pass
Minimum 6dB Bandwidth	15.407(e)	RSS-247 Issue 3 Clause 6	Pass
Maximum Conducted Output Power	15.407(a)	RSS-247 Issue 3 Clause 6	Pass
Power spectral density	15.407(a)	RSS-247 Issue 3 Clause 6	Pass
Radiated emission	15.407(b) 15.205 15.209	RSS-247 Issue 3 Clause 6 RSS-Gen Issue 5 Clause 8.9&8.10	Pass
Power line conducted emission	15.407(b) 15.207	RSS-Gen Issue 5 Clause 8.8	Pass
Frequency Stability	15.407(g)	RSS-Gen Issue 5 Clause 8.11	Pass
Antenna requirement	15.203	-	Pass

Notes: 1: NA =Not Applicable

2. Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.

3: Additions, Deviations and Exclusions from Standards: None.

1 GENERAL INFORMATION

1.1 Description of Equipment Under Test (EUT)

Product name:	Tablet
Type/Model:	MP24-Xenon2-L
Description of EUT:	The EUT is a Tablet which supports WIFI and Bluetooth function, it has only one model.
Rating:	DC 12V 3A
Category of EUT:	Class B
Product Marketing Name:	MP24-Xenon2-L
HVIN:	MP24-Xenon2-L
Software Version:	LKX2_20250110
Hardware Version:	EM_AIT9002_V1.2
Sample received date:	February 10, 2025
Date of test:	February 10, 2025 ~ April 11, 2025

1.2 Technical Specification

Frequency Range:	5150 ~ 5250MHz 5250 ~ 5350MHz 5470 ~ 5725MHz 5725 ~ 5850MHz
Support Standards:	802.11a, 802.11n(HT20), 802.11n(HT40), 802.11ac(VHT20), 802.11ac(VHT40), 802.11ac(VHT80), 802.11ax(HE20), 802.11ax(HE40), 802.11ax(HE80)
Type of Modulation:	OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Channel Number:	For 5180 ~ 5240MHz band: Channel 36 - 48 For 5260 ~ 5320MHz Band: Channel 52 - 64 For 5500 ~ 5700MHz Band: Channel 100 - 140 For 5745 ~ 5825MHz band: Channel 149 - 165

1.3 Working Frequencies for this report

802.11a/n(HT20)/ac(HT20)/ax(HE20)					
Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180MHz	40	5200MHz	44	5220MHz
48	5240MHz	52	5260 MHz	56	5280 MHz
60	5300 MHz	64	5320 MHz	100	5500 MHz
104	5520 MHz	108	5540 MHz	112	5560 MHz
116	5580 MHz	120	5600 MHz	124	5620 MHz
128	5640 MHz	132	5660 MHz	136	5680 MHz
140	5700 MHz	149	5745 MHz	153	5765 MHz
157	5785 MHz	161	5805 MHz	165	5825 MHz
802.11n(HT40)/ac(HT40)/ax(HT40)					
Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190MHz	46	5230MHz	54	5270 MHz
62	5310 MHz	102	5510 MHz	110	5550MHz
118	5590 MHz	126	5630 MHz	134	5670 MHz
151	5755 MHz	159	5795 MHz	-	-
802.11ac(HT80)/ax(HT80)					
Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5120MHz	58	5290MHz	106	5530 MHz
112	5610 MHz	155	5775 MHz	-	-

1.4 Antenna information

No.	Antenna Type	Gain	Note
1	FPC antenna	2.07dBi	Internal type
2	FPC antenna	1.25dBi	Internal type

Mode	Tx/Rx Function	Beamforming function	CDD function	Directional gain (dBi)
802.11a	1Tx/1Rx	NO	NO	-
802.11n(HT20)	2Tx/2Rx	NO	NO	4.68
802.11n(HT40)	2Tx/1Rx	NO	NO	4.68
802.11ac(HT20)	2Tx/2Rx	NO	NO	4.68

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802.11ac(HT40)	2Tx/2Rx	NO	NO	4.68
802.11ax(HE20)	2Tx/2Rx	NO	NO	4.68
802.11ax(HE40)	2Tx/2Rx	NO	NO	4.68
802.11ac(HT80)	2Tx/2Rx	NO	NO	4.68
802.11ac(HE80)	2Tx/2Rx	NO	NO	4.68

Note: For 802.11a mode, it only supports 1TX.

For 802.11n/ac/ax modes, it can support 2TX, all the two transmit signals are completely correlated with each other, so the directional gain = $10 \log ((10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20})^2 / N_{ANT})$

1.5 Description of Test Facility

Name:	Intertek Testing Services (Shanghai FTZ) Co., Ltd.
Address:	Building 86, No. 1198 Qinzhou Road(North), Shanghai 200233, P.R. China
Telephone:	86 21 61278200
Telefax:	86 21 54262353

The test facility is recognized, certified, or accredited by these organizations:	CNAS Accreditation Lab Registration No. CNAS L21189
	FCC Accredited Lab Designation Number: CN0175
	IC Registration Lab CAB identifier.: CN0014
	VCCI Registration Lab Registration No.: R-14243, G-10845, C-14723, T-12252
	A2LA Accreditation Lab Certificate Number: 3309.02

2 TEST SPECIFICATIONS

2.1 Standards or specification

47CFR Part 15 (2023)

ANSI C63.10 (2020)

RSS-247 Issue 3 (August 2023)

RSS-Gen Issue 5 (April 2018)

KDB 789033 D02 v02r01

2.2 Mode of operation during the test

While testing transmitting mode of EUT, the continuously transmission was applied by following software.

Software name	Manufacturer	Version	Supplied by
CMD	--	--	Client

The lowest, middle and highest channel for the following modes were tested as representatives.

Frequency Band (MHz)	Mode	Lowest (MHz)	Middle (MHz)	Highest (MHz)
5150 - 5250	802.11a	5180	5200	5240
	802.11n(HT20)	5180	5200	5240
	802.11n(HT40)	5190	/	5230
	802.11ac(VHT20)	5180	5200	5240
	802.11ac(VHT40)	5190	/	5230
	802.11ax(HE20)	5180	5200	5240
	802.11ax(HE40)	5190	/	5230
	802.11ac(HT80)	5210	/	/
	802.11ax(HE80)	5210	/	/
5250 - 5350	802.11a	5260	5300	5320
	802.11n(HT20)	5260	5300	5320
	802.11n(HT40)	5270	/	5310
	802.11ac(VHT20)	5260	5300	5320
	802.11ac(VHT40)	5270	/	5310
	802.11ax(HE20)	5260	5300	5320
	802.11ax(HE40)	5270	/	5310
	802.11ac(HT80)	5290	/	/
	802.11ax(HE80)	5290	/	/
5470 - 5725	802.11a	5500	5580	5720

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	802.11n(HT20)	5500	5580	5700
	802.11n(HT40)	5510	5550	5670
	802.11ac(VHT20)	5500	5580	5700
	802.11ac(VHT40)	5510	5550	5670
	802.11ax(HT20)	5500	5580	5700
	802.11ax(HT40)	5510	5550	5670
	802.11ac(HT80)	5530	5610	5610
	802.11ax(HE80)	5530	5610	5610
5725 - 5850	802.11a	5745	5785	5825
	802.11n(HT20)	5745	5785	5825
	802.11n(HT40)	5755	/	5795
	802.11ac(VHT20)	5745	5785	5825
	802.11ac(VHT40)	5755	/	5795
	802.11ax(HE20)	5745	5785	5825
	802.11ax(HE40)	5755	/	5795
	802.11ac(HT80)	5775	/	/
	802.11ax(HE80)	5775	/	/

Data rate and Power setting:

The pre-scan for the conducted power with all data rates in each modulation and band was used, and the worst case was found and used in all test cases. After this pre-scan, we choose the following table of the data rate as the worst case.

Frequency Band (MHz)	Mode	Worst case data rate
5150 - 5250	802.11a	6Mbps
	802.11n(HT20)	MCS0
	802.11n(HT40)	MCS0
	802.11ac(VHT20)	MCS0
	802.11ac(VHT40)	MCS0
	802.11ax(HE20)	MCS0
	802.11ax(HE40)	MCS0
	802.11ac(VHT80)	MCS0
	802.11ax(HE80)	MCS0
5250 - 5350	802.11a	6Mbps
	802.11n(HT20)	MCS0
	802.11n(HT40)	MCS0
	802.11ac(VHT20)	MCS0
	802.11ac(VHT40)	MCS0
	802.11ax(HE20)	MCS0
	802.11ax(HE40)	MCS0

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	802.11ac(VHT80)	MCS0
	802.11ax(HE80)	MCS0
5500 - 5725	802.11a	6Mbps
	802.11n(HT20)	MCS0
	802.11n(HT40)	MCS0
	802.11ac(VHT20)	MCS0
	802.11ac(VHT40)	MCS0
	802.11ax(HE20)	MCS0
	802.11ax(HE40)	MCS0
	802.11ac(VHT80)	MCS0
	802.11ax(HE80)	MCS0
5725 - 5850	802.11a	6Mbps
	802.11n(HT20)	MCS0
	802.11n(HT40)	MCS0
	802.11ac(VHT20)	MCS0
	802.11ac(VHT40)	MCS0
	802.11ax(HE20)	MCS0
	802.11ax(HE40)	MCS0
	802.11ac(VHT80)	MCS0
	802.11ax(HE80)	MCS0

2.3 Test software list

Test Items	Software	Manufacturer	Version
Conducted emission	ESxS-K1	R&S	V2.1.0
Radiated emission	ES-K1	R&S	V1.71

2.4 Test peripherals list

Item No.	Name	Band and Model	Description
1	Laptop computer	DELL 5480	-
2	RF cable	/	0.2m length; 0.5dB loss
3	Adapter	HUAWEI/HW-200325CP1	Input: AC 100-240V 50/60Hz

2.5 Test environment condition:

Test items	Temperature	Humidity
26 dB Bandwidth & 99% Occupied Bandwidth	19°C	53% RH
Minimum 6dB Bandwidth		
Maximum Conducted Output Power		
Power spectral density		
Radiated Emissions in restricted frequency bands	20°C	53% RH
Power line conducted emission	20°C	53% RH

2.6 Instrument list

Conducted Emission					
Used	Equipment	Manufacturer	Type	Internal no.	Due date
☒	Test Receiver	R&S	ESR7	EC 6194	2026-02-17
☒	A.M.N.	R&S	ESH2-Z5	EC 3119	2025-07-23
☐	A.M.N.	R&S	ENV4200	EC 3558	2025-06-05
☒	Attenuator	Hua Xiang	Ts5-10db-6g	EC 6194-1	2025-12-06
☒	Shielded room	Zhongyu	-	EC 2838	2026-01-09
Radiated Emission					
Used	Equipment	Manufacturer	Type	Internal no.	Due date
☒	Test Receiver	R&S	ESIB 26	EC 3045	2025-08-18
☒	Bilog Antenna	TESEQ	CBL 6112B	EC 6411	2025-09-11
☐	Pre-amplifier	R&S	AFS42-00101800-25-S-42	EC 5262	2025-11-06
☒	Pre-amplifier	Tonscend	tap01018050	EC 6432-1	2025-12-03
☒	Horn antenna	Tonscend	bha9120d	EC 6432-2	2026-03-19
☒	Horn antenna	ETS	3116c	EC 5955	2025-08-14
☒	Semi-anechoic chamber	Albatross project	-	EC 3048	2026-07-11
RF test					
Used	Equipment	Manufacturer	Type	Internal no.	Due date
☒	PXA Signal Analyzer	Keysight	N9030A	EC 5338	2026-03-11
☒	PXA Signal Analyzer	Keysight	N9030B	EC 6078	2025-06-14
☒	Vector Signal Generator	Agilent	N5182B	EC 5175	2026-03-11
☒	MXG Analog Signal Generator	Agilent	N5181A	EC 5338-2	2026-03-11
☒	Test Receiver	R&S	ESCI 7	EC 4501	2026-03-08
☐	Universal Radio Communication Tester	R&S	CMW500	EC 6209	2027-01-14
☐	Universal Radio Communication Tester	R&S	CMW500	EC5944	2027-03-11
☒	Signal generator	Agilent	N5182A	EC 6172	2025-08-06
☒	Signal generator	Agilent	N5181A	EC 6171	2025-08-06
☒	Climate chamber	GWS	MT3065	EC 6021	2026-03-06
Additional instrument					
Used	Equipment	Manufacturer	Type	Internal no.	Due date
☒	Therom-Hygrograph	Testo	175h1	EC 6640	2025-08-29
☒	Pressure meter	YM3	Shanghai Mengde	EC 3320	2025-08-16

2.7 Measurement uncertainty

The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Test item	Measurement uncertainty
Maximum peak output power	$\pm 0.74\text{dB}$
26 dB Bandwidth & 99% Occupied Bandwidth	
Minimum 6dB Bandwidth	
Power spectral density	
Radiated Emissions in restricted frequency bands below 1GHz	$\pm 4.90\text{dB}$
Radiated Emissions in restricted frequency bands above 1GHz	$\pm 5.02\text{dB}$
Emission outside the frequency band	$\pm 2.89\text{dB}$
Power line conducted emission	$\pm 3.19\text{dB}$

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3 26 dB Bandwidth & 99% Occupied Bandwidth

Test result: Pass

3.1 Limit

None

3.2 Measurement Procedure

The EUT was tested according to test procedure of “KDB789033 D02 General UNII Test Procedures New Rules”

26 dB Bandwidth

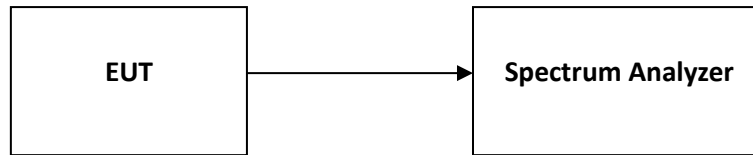
- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

99% Occupied Bandwidth

The following procedure shall be used for measuring (99 %) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

3.3 Test Configuration



3.4 The results of 26 dB Bandwidth & 99% Occupied Bandwidth

Please refer to Appendix A

4 Minimum 6dB Bandwidth

Test result: Pass

4.1 Limit

For systems using digital modulation techniques that may operate in the 5725 - 5850 MHz band, the minimum 6 dB bandwidth shall be at least 500 kHz.

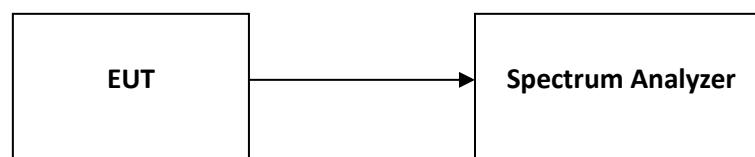
4.2 Measurement Procedure

The EUT was tested according to test procedure of “KDB789033 D02 General UNII Test Procedures New Rules”

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

4.3 Test Configuration



4.4 The results of Minimum 6dB Bandwidth

Please refer to Appendix A

5 Maximum conducted output power and e.i.r.p.

Test result: Pass

5.1 Limit

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

The maximum e.i.r.p. at any elevation angle above 30 degrees from the horizon must not exceed 125mW (21 dBm).

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

☐ For fixed point-to-point access points operating in the band 5.15-5.25GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1W.

☒ For client devices in the 5.15-5.25GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250mW provided the maximum antenna gain does not exceed 6dBi. (FCC Limit)

☒ For the 5.25-5.35GHz and 5.47-5.725GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250mW or $11\text{dBm} + 10\log B$, where B is the 26dB emission bandwidth in megahertz. (FCC limit)

☒ For the band 5.725-5.85GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1W. (FCC limit)

☒ For Frequency Band 5150-5250 MHz, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10\log 10B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. (IC limit)

☒ For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11\text{ dBm} + 10\log B$, where B is the 99% emission bandwidth in megahertz. (IC limit)

☒ For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10\log 10B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. (IC limit)

☒ For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. (IC limit)

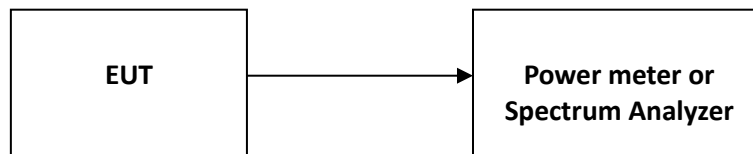
If transmitting antennas of directional gain greater than 6dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

5.2 Measurement Procedure

The EUT was tested according to test procedure of “KDB789033 D02 General UNII Test Procedures New Rules”

- (i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- (ii) Set RBW = 1 MHz.
- (iii) Set VBW $\geq$ 3 MHz.
- (iv) Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$. (This ensures that bin-to-bin spacing is $\leq \text{RBW}/2$, so that narrowband signals are not lost between frequency bins.)
- (v) Sweep time = auto.
- (vi) Detector = power averaging (rms), if available. Otherwise, use sample detector mode.
- (vii) If transmit duty cycle $< 98\%$, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle $\geq 98\%$, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to “free run.”
- (viii) Trace average at least 100 traces in power averaging (rms) mode.
- (ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument’s band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

5.3 Test Configuration



5.4 Test Results of Maximum conducted output power and e.i.r.p.

Please refer to Appendix A

6 Power spectrum density

Test result: Pass

6.1 Limit

- ☐ For an outdoor access point operating in the band 5.15-5.25GHz, the maximum power spectral density shall not exceed 17dBm in any 1 megahertz band.
- ☐ For an indoor access point operating in the band 5.15-5.25GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.
- ☒ For client devices in the 5.15-5.25GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. (FCC limit)
- ☒ For the 5.25-5.35 GHz and 5.47-5.725GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. (FCC limit)
- ☒ For the band 5.725-5.85GHz, the maximum power spectral density shall not exceed 30dBm in any 500kHz band. (FCC limit)
- ☒ For the 5.15-5.25GHz band, the e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band. (IC limit)
- ☒ For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. (IC limit)
- ☒ For the 5.725-5.85GHz band, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. (IC limit)

If the transmitting antenna of directional gain greater than 6dBi is used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi. If there have a beam forming type, the limit should be the less of original and original + (6 - antenna gain - beamforming gain).

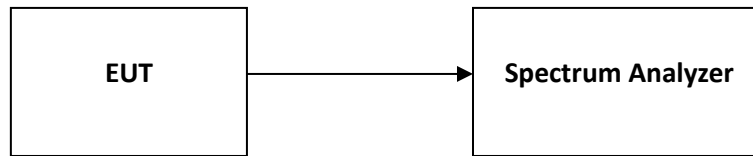
6.2 Measurement Procedure

The EUT was tested according to test procedure of “KDB789033 D02 General UNII Test Procedures New Rules”

1. Create an average power spectrum for the EUT operating mode being tested by following the instructions in II.E.2. for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, “Compute power....” (This procedure is required even if the maximum conducted output power measurement was performed using a power meter, method PM.)
2. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
3. Make the following adjustments to the peak value of the spectrum, if applicable:
 - a) If Method SA-2 or SA-2 Alternative was used, add $10 \log (1/x)$, where x is the duty cycle, to the peak of the spectrum.
 - b) If Method SA-3 Alternative was used and the linear mode was used in step II.E.2.g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.
4. The result is the Maximum PSD over 1 MHz reference bandwidth.
5. For devices operating in the bands 5.15 5.25 GHz, 5.25 5.35 GHz, and 5.47 5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in Section 15.407(a)(5). For devices operating in the band 5.725 5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 kHz bandwidth, the following adjustments to the procedures apply:
 - a) Set $RBW \geq 1/T$, where T is defined in II.B.I.a).
 - b) Set $VBW \geq 3$ RBW.
 - c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10 \log (500 \text{ kHz}/RBW)$ to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
 - d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10 \log (1\text{MHz}/RBW)$ to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
 - e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for steps 5.c) and 5.d) above, since RBW=100 KHZ is available on nearly all spectrum analyzers.

6.3 Test Configuration



6.4 Test Results of Power spectrum density

Please refer to Appendix A

7 Radiated Emissions

Test result: Pass

7.1 Limit

The radiated emissions which fall in the restricted bands, and the radiated emissions below 1GHz, must comply with the radiated emission limits specified showed as below:

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

The radiated emissions which fall outside the restrict bands, should comply with the EIRP limit as below:

For transmitters operating in the 5.15 - 5.25 / 5.25 - 5.35 / 5.47 - 5.725GHz band:

Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (3m) (dBμV/m)
<5150	-27	68.20
>5350		
<5470		
>5725		

For transmitters operating in the 5.725 - 5.85GHz band:

Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength (3m) (dBμV/m)
<5650	-27	68.20
5650 ~ 5700	-27 ~ 10	68.20 ~ 105.20
5700 ~ 5720	10 ~ 15.6	105.20 ~ 110.80
5720 ~ 5725	15.6 ~ 27	110.80 ~ 122.20
5850 ~ 5855	27 ~ 15.6	122.20 ~ 110.80
5855 ~ 5875	15.6 ~ 10	110.80 ~ 105.20
5875 ~ 5925	10 ~ -27	105.20 ~ 68.20
>5925	-27	68.20

7.2 Measurement Procedure

For Radiated emission below 30MHz:

- a) The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters chamber room. 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) Both X and Y axes of the antenna are set to make the measurement.
- d) For each suspected emission, the EUT was arranged to its worst case 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 or quasi-peak detect function and specified bandwidth with maximum hold mode.

NOTE:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

For Radiated emission above 30MHz:

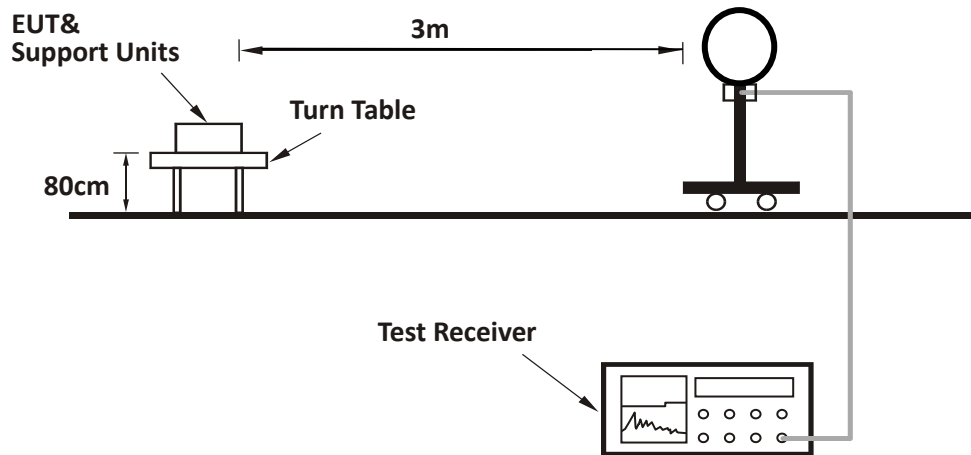
- a) The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meters chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c) The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e) The test-receiver system was set to peak or quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f) The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

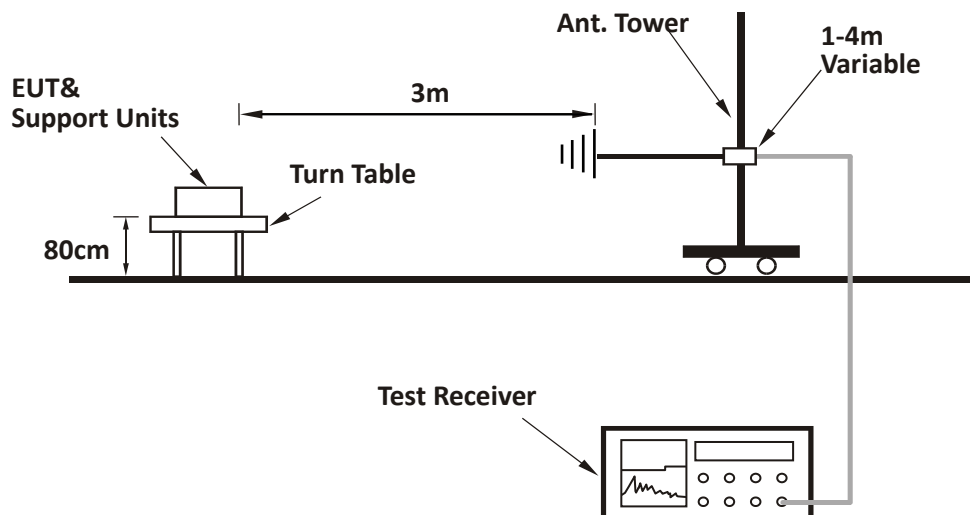
- 1. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for peak or quasi-peak detection at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz at frequency above 1GHz for peak detection above 1GHz.
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 3 x RBW (Duty cycle $\geq$ 98%) for average detection (AV) at frequency above 1GHz.
- 4. All modes of operation were investigated and the worst-case emissions are reported.

7.3 Test Configuration

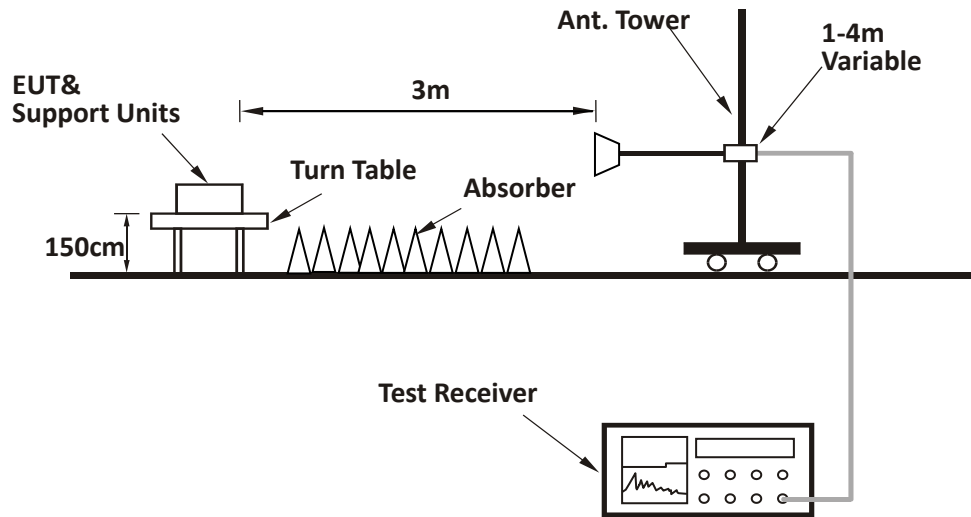
For Radiated emission below 30MHz:



For Radiated emission 30MHz to 1GHz:

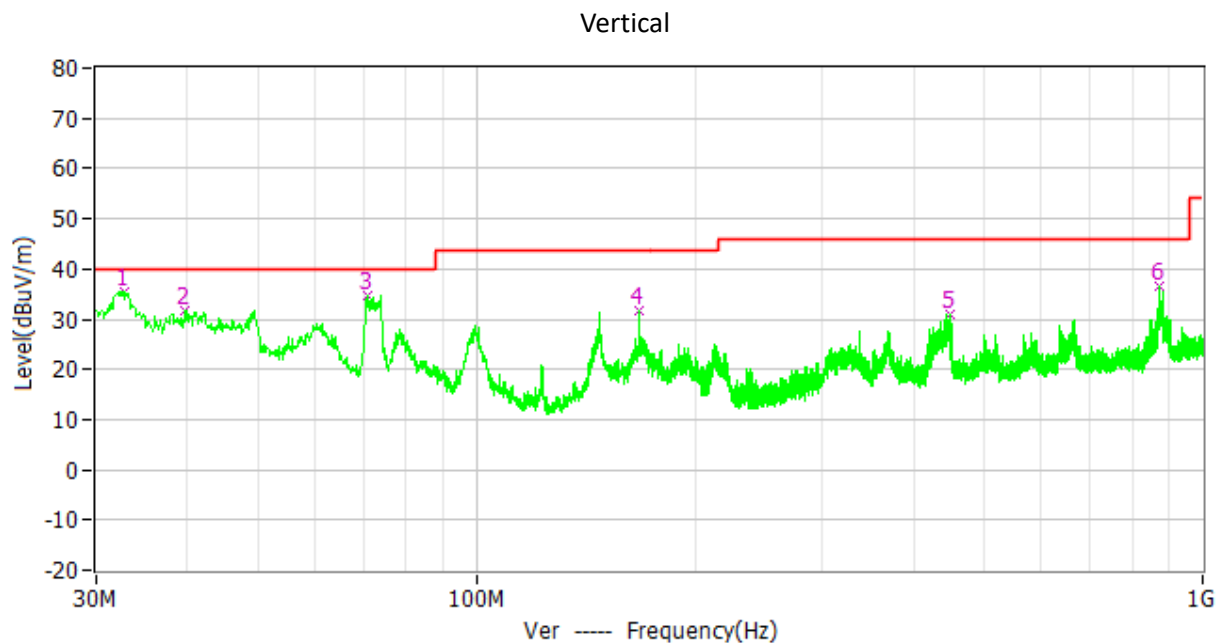
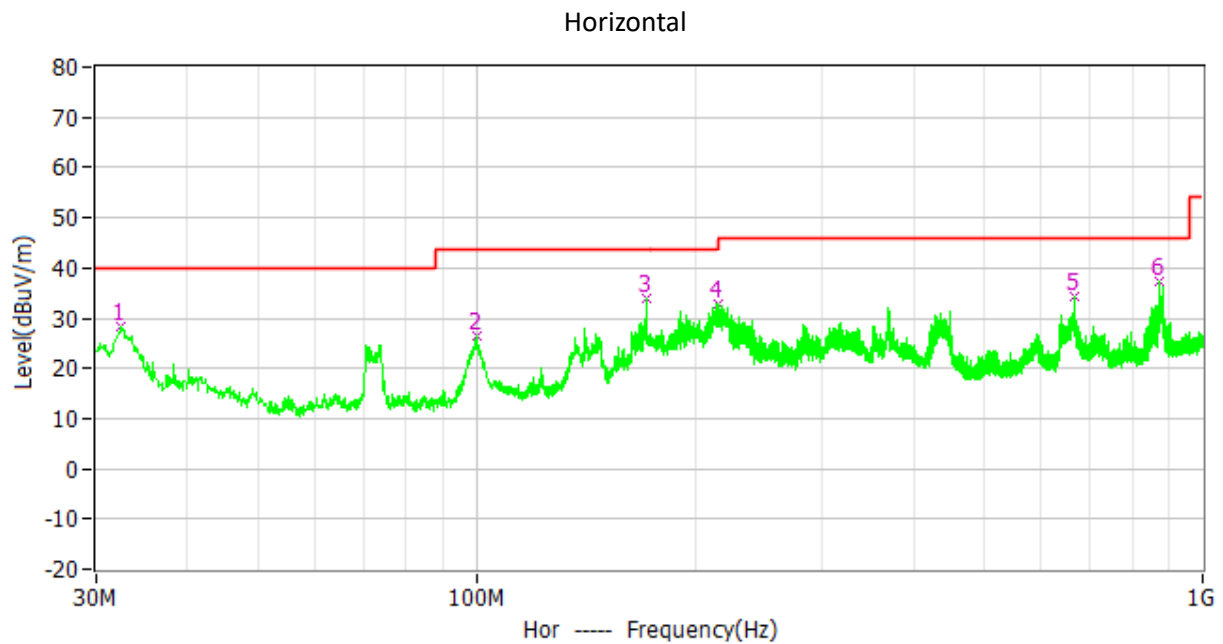


For Radiated emission above 1GHz:



7.4 Test Results of Radiated Emissions

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.



Test data below 1GHz

Antenna	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
H	32.425	28.4	18.5	40.0	11.6	PK
H	100.034	26.5	12.0	43.5	17.0	PK
H	171.717	33.9	11.0	43.5	9.6	PK
H	215.076	32.8	10.9	43.5	10.7	PK
H	667.096	34.3	21.8	46.0	11.7	PK
H	869.147	37.4	23.7	46.0	8.6	PK
V	32.813	35.6	18.3	40.0	4.4	PK
V	39.797	31.8	14.4	40.0	8.2	PK
V	70.934	34.6	7.5	40.0	5.4	PK
V	167.837	31.8	11.1	43.5	11.7	PK
V	448.846	30.9	18.9	46.0	15.1	PK
V	869.147	36.6	23.7	46.0	9.4	PK

TEST REPORT

Test result above 1GHz:

The emission was conducted from 1GHz to 40GHz

U-NII-1 Band:

802.11a

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5180.00	102.4	42.1	Fundamental	/	PK
	V	5180.00	100.3	42.1	Fundamental	/	PK
	H	5150.00	59.2	42.1	74.00	14.8	PK
	H	5150.00	47.8	42.1	54.00	6.2	AV
	V	5150.00	59.0	42.1	74.00	15.0	PK
	V	5150.00	47.9	42.1	54.00	6.1	AV
	H	10360.00	40.2	-4.0	68.20	28.0	PK
	H	15540.00	42.5	-1.5	68.20	25.7	PK
	V	10360.00	39.6	-4.0	68.20	28.6	PK
	V	15540.00	41.2	-1.5	68.20	27.0	PK
M	H	10440.00	40.9	-4.0	68.20	27.3	PK
	H	15660.00	42.8	-1.5	68.20	25.4	PK
	V	10440.00	40.1	-4.0	68.20	28.1	PK
	V	15660.00	42.2	-1.5	68.20	26.0	PK
H	H	5240.00	104.7	42.4	Fundamental	/	PK
	V	5240.00	100.5	42.4	Fundamental	/	PK
	H	5350.00	59.5	42.4	74.00	14.5	PK
	H	5350.00	48.4	42.4	54.00	5.6	AV
	V	5350.00	59.3	42.4	74.00	14.7	PK
	V	5350.00	48.1	42.4	54.00	5.9	AV
	H	10480.00	40.9	-3.9	68.20	27.3	PK
	H	15720.00	42.8	-1.7	68.20	25.4	PK
	V	10480.00	40.1	-3.9	68.20	28.1	PK
	V	15720.00	41.9	-1.7	68.20	26.3	PK

TEST REPORT

802.11n20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5180.00	102.7	42.1	Fundamental	/	PK
	V	5180.00	100.3	42.1	Fundamental	/	PK
	H	5150.00	58.5	42.1	74.00	15.5	PK
	H	5150.00	47.8	42.1	54.00	6.2	AV
	V	5150.00	59.3	42.1	74.00	14.7	PK
	V	5150.00	47.9	42.1	54.00	6.1	AV
	H	10360.00	40.5	-4.0	68.20	27.7	PK
	H	15540.00	42.1	-1.5	68.20	26.1	PK
	V	10360.00	39.8	-4.0	68.20	28.4	PK
	V	15540.00	41.7	-1.5	68.20	26.5	PK
M	H	10440.00	40.9	-4.0	68.20	27.3	PK
	H	15660.00	42.4	-1.5	68.20	25.8	PK
	V	10440.00	40.6	-4.0	68.20	27.6	PK
	V	15660.00	42.1	-1.5	68.20	26.1	PK
H	H	5240.00	101.9	42.4	Fundamental	/	PK
	V	5240.00	99.1	42.4	Fundamental	/	PK
	H	5350.00	58.8	42.4	74.00	15.2	PK
	H	5350.00	48.5	42.4	54.00	5.5	AV
	V	5350.00	59.2	42.4	74.00	14.8	PK
	V	5350.00	48.1	42.4	54.00	5.9	AV
	H	10480.00	40.8	-3.9	68.20	27.4	PK
	H	15720.00	43.0	-1.7	68.20	25.2	PK
	V	10480.00	39.8	-3.9	68.20	28.4	PK
	V	15720.00	42.5	-1.7	68.20	25.7	PK

802.11n40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
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TEST REPORT

L	H	5190.00	98.6	42.1	Fundamental	/	PK
	V	5190.00	97.7	42.1	Fundamental	/	PK
	H	5150.00	59.1	42.1	74.00	14.9	PK
	H	5150.00	47.8	42.1	54.00	6.2	AV
	V	5150.00	59.0	42.1	74.00	15.0	PK
	V	5150.00	47.8	42.1	54.00	6.2	AV
	H	10380.00	40.9	-4.0	68.20	27.3	PK
	H	15570.00	43.1	-1.5	68.20	25.1	PK
	V	10380.00	40.4	-4.0	68.20	27.8	PK
	V	15570.00	42.5	-1.5	68.20	25.7	PK
H	H	5230.00	99.33	42.4	Fundamental	/	PK
	V	5230.00	97.4	42.4	Fundamental	/	PK
	H	5350.00	59.9	42.4	74.00	14.1	PK
	H	5350.00	48.1	42.4	54.00	5.9	AV
	V	5350.00	59.7	42.4	74.00	14.3	PK
	V	5350.00	48.4	42.4	54.00	5.6	AV
	H	10460.00	40.2	-3.9	68.20	28.0	PK
	H	15690.00	42.6	-1.6	68.20	25.6	PK
	V	10460.00	39.9	-3.9	68.20	28.3	PK
	V	15690.00	42.0	-1.6	68.20	26.2	PK

802.11ac20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5180.00	101.8	42.1	Fundamental	/	PK
	V	5180.00	99.0	42.1	Fundamental	/	PK
	H	5150.00	59.9	42.1	74.00	14.1	PK
	H	5150.00	47.8	42.1	54.00	6.2	AV
	V	5150.00	59.0	42.1	74.00	15.0	PK
	V	5150.00	47.8	42.1	54.00	6.2	AV

TEST REPORT

	H	10360.00	40.6	-4.0	68.20	27.6	PK
	H	15540.00	42.8	-1.5	68.20	25.4	PK
	V	10360.00	39.8	-4.0	68.20	28.4	PK
	V	15540.00	42.2	-1.5	68.20	26.0	PK
M	H	10440.00	40.8	-4.0	68.20	27.4	PK
	H	15660.00	42.9	-1.5	68.20	25.3	PK
	V	10440.00	39.9	-4.0	68.20	28.3	PK
	V	15660.00	42.2	-1.5	68.20	26.0	PK
H	H	5240.00	102.2	42.4	Fundamental	/	PK
	V	5240.00	98.5	42.4	Fundamental	/	PK
	H	5350.00	59.9	42.4	74.00	14.1	PK
	H	5350.00	48.1	42.4	54.00	5.9	AV
	V	5350.00	59.4	42.4	74.00	14.6	PK
	V	5350.00	48.4	42.4	54.00	5.6	AV
	H	10480.00	40.3	-3.9	68.20	27.9	PK
	H	15720.00	42.7	-1.7	68.20	25.5	PK
	V	10480.00	39.8	-3.9	68.20	28.4	PK
	V	15720.00	42.1	-1.7	68.20	26.1	PK

802.11ac40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5190.00	99.6	42.1	Fundamental	/	PK
	V	5190.00	97.3	42.1	Fundamental	/	PK
	H	5150.00	58.9	42.1	74.00	15.1	PK
	H	5150.00	47.9	42.1	54.00	6.1	AV
	V	5150.00	59.1	42.1	74.00	14.9	PK
	V	5150.00	47.7	42.1	54.00	6.3	AV
	H	10380.00	40.7	-4.0	68.20	27.5	PK
	H	15570.00	43.1	-1.5	68.20	25.1	PK

TEST REPORT

	V	10380.00	40.2	-4.0	68.20	28.0	PK
	V	15570.00	42.8	-1.5	68.20	25.4	PK
H	H	5230.00	99.0	42.4	Fundamental	/	PK
	V	5230.00	96.0	42.4	Fundamental	/	PK
	H	5350.00	59.7	42.4	74.00	14.3	PK
	H	5350.00	48.4	42.4	54.00	5.6	AV
	V	5350.00	59.6	42.4	74.00	14.4	PK
	V	5350.00	48.1	42.4	54.00	5.9	AV
	H	10460.00	40.7	-3.9	68.20	27.5	PK
	H	15690.00	43.3	-1.6	68.20	24.9	PK
	V	10460.00	40.4	-3.9	68.20	27.8	PK
	V	15690.00	42.9	-1.6	68.20	25.3	PK

802.11ax20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5180.00	101.9	42.1	Fundamental	/	PK
	V	5180.00	100.5	42.1	Fundamental	/	PK
	H	5150.00	59.5	42.1	74.00	14.5	PK
	H	5150.00	47.8	42.1	54.00	6.2	AV
	V	5150.00	59.6	42.1	74.00	14.4	PK
	V	5150.00	47.9	42.1	54.00	6.1	AV
	H	10360.00	40.6	-4.0	68.20	27.6	PK
	H	15540.00	42.4	-1.5	68.20	25.8	PK
	V	10360.00	39.9	-4.0	68.20	28.3	PK
	V	15540.00	41.8	-1.5	68.20	26.4	PK
M	H	10440.00	40.8	-4.0	68.20	27.4	PK
	H	15660.00	42.7	-1.5	68.20	25.5	PK
	V	10440.00	40.1	-4.0	68.20	28.1	PK

TEST REPORT

	V	15660.00	42.4	-1.5	68.20	25.8	PK
H	H	5240.00	103.2	42.4	Fundamental	/	PK
	V	5240.00	99.7	42.4	Fundamental	/	PK
	H	5350.00	60.1	42.4	74.00	13.9	PK
	H	5350.00	48.2	42.4	54.00	5.8	AV
	V	5350.00	59.9	42.4	74.00	14.1	PK
	V	5350.00	48.2	42.4	54.00	5.8	AV
	H	10480.00	40.2	-3.9	68.20	28.0	PK
	H	15720.00	42.7	-1.7	68.20	25.5	PK
	V	10480.00	39.8	-3.9	68.20	28.4	PK
	V	15720.00	42.1	-1.7	68.20	26.1	PK

802.11ax40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5190.00	100.1	42.1	Fundamental	/	PK
	V	5190.00	97.4	42.1	Fundamental	/	PK
	H	5150.00	58.7	42.1	74.00	15.3	PK
	H	5150.00	47.8	42.1	54.00	6.2	AV
	V	5150.00	59.2	42.1	74.00	14.8	PK
	V	5150.00	48.0	42.1	54.00	6.0	AV
	H	10380.00	40.2	-4.0	68.20	28.0	PK
	H	15570.00	43.7	-1.5	68.20	24.5	PK
	V	10380.00	39.9	-4.0	68.20	28.3	PK
	V	15570.00	42.9	-1.5	68.20	25.3	PK
H	H	5230.00	101.5	42.4	Fundamental	/	PK
	V	5230.00	96.7	42.4	Fundamental	/	PK
	H	5350.00	59.8	42.4	74.00	14.2	PK
	H	5350.00	48.1	42.4	54.00	5.9	AV
	V	5350.00	60.6	42.4	74.00	13.4	PK

TEST REPORT

	V	5350.00	48.1	42.4	54.00	5.9	AV
	H	10460.00	40.1	-3.9	68.20	28.1	PK
	H	15690.00	43.5	-1.6	68.20	24.7	PK
	V	10460.00	40.5	-3.9	68.20	27.7	PK
	V	15690.00	42.7	-1.6	68.20	25.5	PK

802.11ac80

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5210.00	93.3	42.4	Fundamental	/	PK
	V	5210.00	90.6	42.4	Fundamental	/	PK
	H	5150.00	59.9	42.4	74.00	14.1	PK
	H	5150.00	48.0	42.4	54.00	6.0	AV
	V	5150.00	59.3	42.4	74.00	14.7	PK
	V	5150.00	47.8	42.4	54.00	6.2	AV
	H	10420.00	40.4	-4.0	68.20	27.8	PK
	H	15630.00	43.1	-1.5	68.20	25.1	PK
	V	10420.00	39.8	-4.0	68.20	28.4	PK
	V	15630.00	42.6	-1.5	68.20	25.6	PK

802.11ax80

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5210.00	94.1	42.4	Fundamental	/	PK
	V	5210.00	92.1	42.4	Fundamental	/	PK
	H	5150.00	59.3	42.4	74.00	14.7	PK
	H	5150.00	47.8	42.4	54.00	6.2	AV
	V	5150.00	60.0	42.4	74.00	14.0	PK
	V	5150.00	47.80	42.4	54.00	6.2	AV
	H	10420.00	40.1	-4.0	68.20	28.1	PK

TEST REPORT

	H	15630.00	42.8	-1.5	68.20	25.4	PK
	V	10420.00	39.8	-4.0	68.20	28.4	PK
	V	15630.00	42.3	-1.5	68.20	25.9	PK

U-NII-2A Band:

802.11a

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	10520.00	40.4	-3.9	68.20	27.8	PK
	H	15780.00	42.9	-1.7	68.20	25.3	PK
	V	10520.00	39.9	-3.9	68.20	28.3	PK
	V	15780.00	42.2	-1.7	68.20	26.0	PK
M	H	10600.00	40.5	-4.0	68.20	27.7	PK
	H	15900.00	42.5	-1.6	68.20	25.7	PK
	V	10600.00	39.9	-4.0	68.20	28.3	PK
	V	15900.00	42.0	-1.6	68.20	26.2	PK
H	H	5320.00	102.4	42.4	Fundamental	/	PK
	V	5320.00	100.8	42.4	Fundamental	/	PK
	H	5350.00	60.1	42.4	74.00	13.9	PK
	H	5350.00	48.4	42.4	54.00	5.6	AV
	V	5350.00	59.4	42.4	74.00	14.6	PK
	V	5350.00	48.1	42.4	54.00	5.9	AV
	H	10640.00	40.8	-3.9	68.20	27.4	PK
	H	15960.00	43.0	-1.6	68.20	25.2	PK
	V	10640.00	39.9	-3.9	68.20	28.3	PK
	V	15960.00	42.8	-1.6	68.20	25.4	PK

802.11n20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	10520.00	40.1	-3.9	68.20	28.1	PK

TEST REPORT

	H	15780.00	42.6	-1.7	68.20	25.6	PK
	V	10520.00	40.0	-3.9	68.20	28.2	PK
	V	15780.00	42.1	-1.7	68.20	26.1	PK
M	H	10600.00	40.3	-4.0	68.20	27.9	PK
	H	15900.00	42.8	-1.6	68.20	25.4	PK
	V	10600.00	40.0	-4.0	68.20	28.2	PK
	V	15900.00	42.2	-1.6	68.20	26.0	PK
H	H	5320.00	101.9	42.4	Fundamental	/	PK
	V	5320.00	100.6	42.4	Fundamental	/	PK
	H	5350.00	58.8	42.4	74.00	15.2	PK
	H	5350.00	48.4	42.4	54.00	5.6	AV
	V	5350.00	60.4	42.4	74.00	13.6	PK
	V	5350.00	48.4	42.4	54.00	5.6	AV
	H	10640.00	40.7	-3.9	68.20	27.5	PK
	H	15960.00	43.4	-1.6	68.20	24.8	PK
	V	10640.00	40.1	-3.9	68.20	28.1	PK
	V	15960.00	43.0	-1.6	68.20	25.2	PK

802.11n40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	10540.00	40.3	-4.0	68.20	27.9	PK
	H	15810.00	43.4	-1.6	68.20	24.8	PK
	V	10540.00	39.8	-4.0	68.20	28.4	PK
	V	15810.00	43.0	-1.6	68.20	25.2	PK
H	H	5310.00	99.5	42.4	Fundamental	/	PK
	V	5310.00	97.4	42.4	Fundamental	/	PK
	H	5350.00	59.9	42.4	74.00	14.1	PK
	H	5350.00	48.1	42.4	54.00	5.9	AV
	V	5350.00	59.9	42.4	74.00	14.1	PK

TEST REPORT

	V	5350.00	48.3	42.4	54.00	5.7	AV
	H	10620.00	40.5	-4.0	68.20	27.7	PK
	H	15930.00	44.3	-1.6	68.20	23.9	PK
	V	10620.00	40.1	-4.0	68.20	28.1	PK
	V	15930.00	43.9	-1.6	68.20	24.3	PK

802.11ac20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	10520.00	40.0	-3.9	68.20	28.2	PK
	H	15780.00	43.2	-1.7	68.20	25.0	PK
	V	10520.00	39.6	-3.9	68.20	28.6	PK
	V	15780.00	43.0	-1.7	68.20	25.2	PK
M	H	10600.00	40.4	-4.0	68.20	27.8	PK
	H	15900.00	43.8	-1.6	68.20	24.4	PK
	V	10600.00	40.0	-4.0	68.20	28.2	PK
	V	15900.00	43.1	-1.6	68.20	25.1	PK
H	H	5320.00	99.4	42.4	Fundamental	/	PK
	V	5320.00	100.2	42.4	Fundamental	/	PK
	H	5350.00	59.0	42.4	74.00	15.0	PK
	H	5350.00	48.1	42.4	54.00	5.9	AV
	V	5350.00	59.5	42.4	74.00	14.5	PK
	V	5350.00	48.3	42.4	54.00	5.7	AV
	H	10640.00	40.8	-3.9	68.20	27.4	PK
	H	15960.00	44.5	-1.6	68.20	23.7	PK
	V	10640.00	40.1	-3.9	68.20	28.1	PK
	V	15960.00	43.9	-1.6	68.20	24.3	PK

802.11ac40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
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TEST REPORT

L	H	10540.00	40.1	-4.0	68.20	28.1	PK
	H	15810.00	43.5	-1.6	68.20	24.7	PK
	V	10540.00	39.5	-4.0	68.20	28.7	PK
	V	15810.00	42.8	-1.6	68.20	25.4	PK
H	H	5310.00	97.5	42.4	Fundamental	/	PK
	V	5310.00	96.3	42.4	Fundamental	/	PK
	H	5350.00	59.9	42.4	74.00	14.1	PK
	H	5350.00	48.1	42.4	54.00	5.9	AV
	V	5350.00	59.2	42.4	74.00	14.8	PK
	V	5350.00	48.1	42.4	54.00	5.9	AV
	H	10620.00	40.7	-4.0	68.20	27.5	PK
	H	15930.00	43.2	-1.6	68.20	25.0	PK
	V	10620.00	39.8	-4.0	68.20	28.4	PK
	V	15930.00	42.8	-1.6	68.20	25.4	PK

802.11ax20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBUV/m)	Correct Factor (dB/m)	Limit (dBUV/m)	Margin (dB)	Detector
L	H	10520.00	40.8	-3.9	68.20	27.4	PK
	H	15780.00	42.9	-1.7	68.20	25.3	PK
	V	10520.00	40.2	-3.9	68.20	28.0	PK
	V	15780.00	42.6	-1.7	68.20	25.6	PK
M	H	10600.00	40.5	-4.0	68.20	27.7	PK
	H	15900.00	43.1	-1.6	68.20	25.1	PK
	V	10600.00	39.9	-34.8	68.20	28.3	PK
	V	15900.00	42.8	-34.7	68.20	25.4	PK
H	H	5320.00	101.7	42.4	Fundamental	/	PK
	V	5320.00	102.2	42.4	Fundamental	/	PK
	H	5350.00	59.7	42.4	74.00	14.3	PK
	H	5350.00	48.3	42.4	54.00	5.7	AV

TEST REPORT

	V	5350.00	59.7	42.4	74.00	14.3	PK
	V	5350.00	48.4	42.4	54.00	5.6	AV
	H	10640.00	40.1	-3.9	68.20	28.1	PK
	H	15960.00	43.0	-1.6	68.20	25.2	PK
	V	10640.00	40.0	-3.9	68.20	28.2	PK
	V	15960.00	42.8	-1.6	68.20	25.4	PK

802.11ax40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	10540.00	40.2	-4.0	68.20	28.0	PK
	H	15810.00	43.1	-1.6	68.20	25.1	PK
	V	10540.00	39.8	-4.0	68.20	28.4	PK
	V	15810.00	42.5	-1.6	68.20	25.7	PK
H	H	5310.00	98.2	42.4	Fundamental	/	PK
	V	5310.00	97.9	42.4	Fundamental	/	PK
	H	5350.00	59.6	42.4	74.00	14.4	PK
	H	5350.00	48.3	42.4	54.00	5.7	AV
	V	5350.00	59.5	42.4	74.00	14.5	PK
	V	5350.00	48.4	42.4	54.00	5.6	AV
	H	10620.00	40.2	-4.0	68.20	28.0	PK
	H	15930.00	43.6	-1.6	68.20	24.6	PK
	V	10620.00	40.1	-4.0	68.20	28.1	PK
	V	15930.00	43.2	-1.6	68.20	25.0	PK

802.11ac80

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5290.00	94.9	42.4	Fundamental	/	PK
	V	5290.00	92.0	42.4	Fundamental	/	PK
	H	5350.00	59.3	42.4	74.00	14.7	PK

TEST REPORT

	H	5350.00	48.3	42.4	54.00	5.7	AV
	V	5350.00	59.4	42.4	74.00	14.6	PK
	V	5350.00	48.3	42.4	54.00	5.7	AV
	H	10580.00	39.9	-4.0	68.20	28.3	PK
	H	15870.00	42.3	-1.6	68.20	25.9	PK
	V	10580.00	39.6	-4.0	68.20	28.6	PK
	V	15870.00	42.0	-1.6	68.20	26.2	PK

802.11ax80

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5290.00	95.6	42.4	Fundamental	/	PK
	V	5290.00	95.6	42.4	Fundamental	/	PK
	H	5350.00	60.2	42.4	74.00	13.8	PK
	H	5350.00	48.4	42.4	54.00	5.6	AV
	V	5350.00	59.6	42.4	74.00	14.4	PK
	V	5350.00	48.3	42.4	54.00	5.7	AV
	H	10580.00	40.3	-4.0	68.20	27.9	PK
	H	15870.00	42.5	-1.6	68.20	25.7	PK
	V	10580.00	39.9	-4.0	68.20	28.3	PK
	V	15870.00	42.1	-1.6	68.20	26.1	PK

U-NII-2C Band:

802.11a

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5500.00	103.6	42.6	Fundamental	/	PK
	V	5500.00	98.7	42.6	Fundamental	/	PK
	H	5460.00	59.9	42.6	74.00	14.1	PK
	H	5460.00	48.5	42.6	54.00	5.5	AV
	V	5460.00	59.4	42.6	74.00	14.6	PK

TEST REPORT

	V	5460.00	48.3	42.6	54.00	5.7	AV
	H	16500.00	40.0	-3.7	68.20	28.2	PK
	H	11000.00	42.8	-0.8	68.20	25.4	PK
	V	16500.00	39.9	-3.7	68.20	28.3	PK
	V	11000.00	42.1	-0.8	68.20	26.1	PK
M	H	11160.00	40.3	-3.3	68.20	27.9	PK
	H	16740.00	43.2	-0.9	68.20	25.0	PK
	V	11160.00	40.0	-3.3	68.20	28.2	PK
	V	16740.00	42.9	-0.9	68.20	25.3	PK
H	H	11400.00	53.8	-3.0	68.20	14.4	PK
	H	17100.00	56.5	-0.2	68.20	11.7	PK
	V	11400.00	55.9	-3.0	68.20	12.3	PK
	V	17100.00	56.6	-0.2	68.20	11.6	PK

802.11n20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5500.00	103.4	42.6	Fundamental	/	PK
	V	5500.00	101.0	42.6	Fundamental	/	PK
	H	5460.00	60.3	42.6	74.00	13.7	PK
	H	5460.00	48.3	42.6	54.00	5.7	AV
	V	5460.00	60.6	42.6	74.00	13.4	PK
	V	5460.00	48.9	42.6	54.00	5.1	AV
	H	11000.00	40.8	-3.7	68.20	27.4	PK
	H	16500.00	43.7	-0.8	68.20	24.5	PK
	V	11000.00	40.0	-3.7	68.20	28.2	PK
	V	16500.00	42.8	-0.8	68.20	25.4	PK
M	H	11160.00	40.1	-3.3	68.20	28.1	PK
	H	16740.00	43.0	-0.9	68.20	25.2	PK
	V	11160.00	39.9	-3.3	68.20	28.3	PK

TEST REPORT

	V	16740.00	42.8	-0.9	68.20	25.4	PK
H	H	11400.00	53.6	-3.0	68.20	14.6	PK
	H	17100.00	56.3	-0.2	68.20	11.9	PK
	V	11400.00	55.7	-3.0	68.20	12.5	PK
	V	17100.00	56.4	-0.2	68.20	11.8	PK

802.11n40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5510.00	100.6	42.6	Fundamental	/	PK
	V	5510.00	98.7	42.6	Fundamental	/	PK
	H	5460.00	58.9	42.6	74.00	15.1	PK
	H	5460.00	49.0	42.6	54.00	5.0	AV
	V	5460.00	59.8	42.6	74.00	14.2	PK
	V	5460.00	48.3	42.6	54.00	5.7	AV
	H	11020.00	40.1	-3.7	68.20	28.1	PK
	H	16530.00	43.6	-0.8	68.20	24.6	PK
	V	11020.00	39.7	-3.7	68.20	28.5	PK
	V	16530.00	42.5	-0.8	68.20	25.7	PK
M	H	11100.00	40.0	-3.6	68.20	28.2	PK
	H	16650.00	43.7	-0.9	68.20	24.5	PK
	V	11100.00	39.9	-3.6	68.20	28.3	PK
	V	16650.00	43.1	-0.9	68.20	25.1	PK
H	H	11340.00	40.5	-3.0	68.20	27.7	PK
	H	17010.00	43.9	-0.3	68.20	24.3	PK
	V	11340.00	40.1	-3.1	68.20	28.1	PK
	V	17010.00	43.5	-0.6	68.20	24.7	PK

TEST REPORT

802.11ac20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5500.00	102.6	42.6	Fundamental	/	PK
	V	5500.00	99.7	42.6	Fundamental	/	PK
	H	5460.00	60.0	42.6	74.00	14.0	PK
	H	5460.00	48.5	42.6	54.00	5.5	AV
	V	5460.00	60.8	42.6	74.00	13.2	PK
	V	5460.00	49.0	42.6	54.00	5.0	AV
	H	16500.00	40.1	-3.7	68.20	28.1	PK
	H	11000.00	43.8	-0.8	68.20	24.4	PK
	V	16500.00	39.8	-3.7	68.20	28.4	PK
	V	11000.00	43.2	-0.8	68.20	25.0	PK
M	H	11160.00	40.2	-3.3	68.20	28.0	PK
	H	16740.00	43.5	-0.9	68.20	24.7	PK
	V	11160.00	40.0	-3.3	68.20	28.2	PK
	V	16740.00	42.9	-0.9	68.20	25.3	PK
H	H	11400.00	41.3	-3.0	68.20	26.9	PK
	H	17100.00	44.7	-0.3	68.20	23.5	PK
	V	11400.00	40.9	-3.0	68.20	27.3	PK
	V	17100.00	44.4	-0.3	68.20	23.8	PK

802.11ac40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5510.00	100.0	42.6	Fundamental	/	PK
	V	5510.00	97.3	42.6	Fundamental	/	PK
	H	5460.00	59.1	42.6	74.00	14.9	PK
	H	5460.00	48.3	42.6	54.00	5.7	AV
	V	5460.00	60.2	42.6	74.00	13.8	PK

TEST REPORT

	V	5460.00	48.3	42.6	54.00	5.7	AV
	H	11020.00	40.1	-3.7	68.20	28.1	PK
	H	16530.00	43.5	-0.8	68.20	24.7	PK
	V	11020.00	39.9	-3.7	68.20	28.3	PK
	V	16530.00	42.9	-0.8	68.20	25.3	PK
M	H	11100.00	40.4	-3.6	68.20	27.8	PK
	H	16650.00	43.6	-0.9	68.20	24.6	PK
	V	11100.00	40.2	-3.6	68.20	28.0	PK
	V	16650.00	43.1	-0.9	68.20	25.1	PK
H	H	11340.00	41.8	-3.0	68.20	26.4	PK
	H	17010.00	44.1	-0.3	68.20	24.1	PK
	V	11340.00	41.0	-3.1	68.20	27.2	PK
	V	17010.00	43.8	-0.6	68.20	24.4	PK

802.11ax20

Channel	Polarity	Frequency	Corrected Reading	Correct Factor	Limit	Margin	Detector
		(MHz)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
L	H	5500.00	105.7	42.6	Fundamental	/	PK
	V	5500.00	103.8	42.6	Fundamental	/	PK
	H	5460.00	59.4	42.6	74.00	14.6	PK
	H	5460.00	48.6	42.6	54.00	5.4	AV
	V	5460.00	59.5	42.6	74.00	14.5	PK
	V	5460.00	48.3	42.6	54.00	5.7	AV
	H	16500.00	40.6	-3.7	68.20	27.6	PK
	H	11000.00	43.9	-0.8	68.20	24.3	PK
	V	16500.00	40.2	-3.7	68.20	28.0	PK
	V	11000.00	43.2	-0.8	68.20	25.0	PK
M	H	11160.00	40.1	-3.3	68.20	28.1	PK
	H	16740.00	43.9	-0.9	68.20	24.3	PK
	V	11160.00	39.9	-3.3	68.20	28.3	PK
	V	16740.00	43.3	-0.9	68.20	24.9	PK

TEST REPORT

H	H	11400.00	53.6	-3.0	68.20	14.6	PK
	H	17100.00	56.4	-0.2	68.20	11.8	PK
	V	11400.00	55.6	-3.0	68.20	12.6	PK
	V	17100.00	56.5	-0.2	68.20	11.7	PK

802.11ax40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5510.00	101.9	42.6	Fundamental	/	PK
	V	5510.00	98.1	42.6	Fundamental	/	PK
	H	5460.00	59.6	42.6	74.00	14.4	PK
	H	5460.00	48.3	42.6	54.00	5.7	AV
	V	5460.00	60.7	42.6	74.00	13.3	PK
	V	5460.00	48.3	42.6	54.00	5.7	AV
	H	11020.00	40.2	-3.7	68.20	28.0	PK
	H	16530.00	43.7	-0.8	68.20	24.5	PK
	V	11020.00	39.9	-3.7	68.20	28.3	PK
	V	16530.00	43.1	-0.8	68.20	25.1	PK
M	H	11100.00	40.5	-3.6	68.20	27.7	PK
	H	16650.00	43.9	-0.9	68.20	24.3	PK
	V	11100.00	40.1	-3.6	68.20	28.1	PK
	V	16650.00	43.1	-0.9	68.20	25.1	PK
H	H	11340.00	42.6	-3.0	68.20	25.6	PK
	H	17010.00	44.5	-0.3	68.20	23.7	PK
	V	11340.00	41.9	-3.1	68.20	26.3	PK
	V	17010.00	43.4	-0.6	68.20	24.8	PK

802.11ac80

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5530.00	94.3	42.5	Fundamental	/	PK
	V	5530.00	91.3	42.5	Fundamental	/	PK

TEST REPORT

	H	5460.00	59.8	42.5	74.00	14.2	PK
	H	5460.00	48.9	42.5	54.00	5.1	AV
	V	5460.00	60.1	42.5	74.00	13.9	PK
	V	5460.00	48.6	42.5	54.00	5.4	AV
	H	11060.00	40.3	-3.6	68.20	27.9	PK
	H	16590.00	43.1	-0.8	68.20	25.1	PK
	V	11060.00	39.8	-3.6	68.20	28.4	PK
	V	16590.00	42.9	-0.8	68.20	25.3	PK
M	H	11220.00	41.3	-3.0	68.20	26.9	PK
	H	16830.00	44.6	-0.9	68.20	23.6	PK
	V	11220.00	40.5	-3.0	68.20	27.7	PK
	V	16830.00	43.9	-0.9	68.20	24.3	PK
H	H	11220.00	42.1	-3.2	68.20	26.1	PK
	H	16830.00	44.7	-0.7	68.20	23.5	PK
	V	11220.00	41.9	-3.2	68.20	26.3	PK
	V	16830.00	43.9	-0.7	68.20	24.3	PK

802.11ax80

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5530.00	95.0	42.5	Fundamental	/	PK
	V	5530.00	92.8	42.5	Fundamental	/	PK
	H	5460.00	59.4	42.5	74.00	14.6	PK
	H	5460.00	48.8	42.5	54.00	5.2	AV
	V	5460.00	59.7	42.5	74.00	14.3	PK
	V	5460.00	48.5	42.5	54.00	5.5	AV
	H	11060.00	40.6	-3.6	68.20	27.6	PK
	H	16590.00	43.7	-0.8	68.20	24.5	PK
	V	11060.00	40.0	-3.6	68.20	28.2	PK
	V	16590.00	43.1	-0.8	68.20	25.1	PK

TEST REPORT

M	H	11220.00	40.9	-3.0	68.20	27.3	PK
	H	16830.00	44.1	-0.9	68.20	24.1	PK
	V	11220.00	40.3	-3.0	68.20	27.9	PK
	V	16830.00	43.8	-0.9	68.20	24.4	PK
H	H	11220.00	41.7	-3.2	68.20	26.5	PK
	H	16830.00	44.0	-0.7	68.20	24.2	PK
	V	11220.00	41.1	-3.2	68.20	27.1	PK
	V	16830.00	43.8	-0.7	68.20	24.4	PK

U-NII-3 Band:

802.11a

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5745.00	101.7	43.2	Fundamental	/	PK
	V	5745.00	101.3	43.2	Fundamental	/	PK
	H	11490.00	40.3	-3.1	68.20	27.9	PK
	H	17235.00	43.9	-0.2	68.20	24.3	PK
	V	11490.00	39.9	-3.1	68.20	28.3	PK
	V	17235.00	43.2	-0.2	68.20	25.0	PK
M	H	11570.00	40.6	-3.3	68.20	27.6	PK
	H	17355.00	43.9	-0.1	68.20	24.3	PK
	V	11570.00	40.1	-3.3	68.20	28.1	PK
	V	17355.00	43.3	-0.1	68.20	24.9	PK
H	H	5825.00	104.1	43.5	Fundamental	/	PK
	V	5825.00	103.1	43.5	Fundamental	/	PK
	H	11650.00	40.6	-3.4	68.20	27.6	PK
	H	17475.00	43.7	-0.2	68.20	24.5	PK
	V	11650.00	40.2	-3.4	68.20	28.0	PK
	V	17475.00	43.2	-0.2	68.20	25.0	PK

TEST REPORT

802.11n20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5745.00	101.8	43.2	Fundamental	/	PK
	V	5745.00	99.7	43.2	Fundamental	/	PK
	H	11490.00	40.0	-3.1	68.20	28.2	PK
	H	17235.00	43.6	-0.2	68.20	24.6	PK
	V	11490.00	39.8	-3.1	68.20	28.4	PK
	V	17235.00	43.1	-0.2	68.20	25.1	PK
M	H	11570.00	40.5	-3.3	68.20	27.7	PK
	H	17355.00	44.0	-0.1	68.20	24.2	PK
	V	11570.00	40.1	-3.3	68.20	28.1	PK
	V	17355.00	43.8	-0.1	68.20	24.4	PK
H	H	5825.00	103.8	43.5	Fundamental	/	PK
	V	5825.00	101.5	43.5	Fundamental	/	PK
	H	11650.00	40.7	-3.4	68.20	27.5	PK
	H	17475.00	44.8	-0.2	68.20	23.4	PK
	V	11650.00	40.3	-3.4	68.20	27.9	PK
	V	17475.00	44.1	-0.2	68.20	24.1	PK

802.11n40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5755.00	98.5	43.2	Fundamental	/	PK
	V	5755.00	97.3	43.2	Fundamental	/	PK
	H	11510.00	40.2	-3.1	68.20	28.0	PK
	H	17265.00	43.9	-0.2	68.20	24.3	PK
	V	11510.00	40.0	-3.1	68.20	28.2	PK
	V	17265.00	43.2	-0.2	68.20	25.0	PK
H	H	5795.00	101.0	43.4	Fundamental	/	PK

TEST REPORT

	V	5795.00	99.5	43.4	Fundamental	/	PK
	H	11590.00	40.4	-3.4	68.20	27.8	PK
	H	17385.00	44.6	-0.6	68.20	23.6	PK
	V	11590.00	40.2	-3.4	68.20	28.0	PK
	V	17385.00	43.9	-0.6	68.20	24.3	PK

802.11ac20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5745.00	102.3	43.2	Fundamental	/	PK
	V	5745.00	99.6	43.2	Fundamental	/	PK
	H	11490.00	40.1	-3.1	68.20	28.1	PK
	H	17235.00	43.7	-0.2	68.20	24.5	PK
	V	11490.00	40.0	-3.1	68.20	28.2	PK
	V	17235.00	43.3	-0.2	68.20	24.9	PK
M	H	11570.00	40.5	-3.3	68.20	27.7	PK
	H	17355.00	44.1	-0.1	68.20	24.1	PK
	V	11570.00	40.1	-3.3	68.20	28.1	PK
	V	17355.00	43.7	-0.1	68.20	24.5	PK
H	H	5825.00	102.8	43.5	Fundamental	/	PK
	V	5825.00	100.1	43.5	Fundamental	/	PK
	H	11650.00	40.3	-3.4	68.20	27.9	PK
	H	17475.00	44.9	-0.2	68.20	23.3	PK
	V	11650.00	40.0	-3.4	68.20	28.2	PK
	V	17475.00	44.1	-0.2	68.20	24.1	PK

802.11ac40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5755.00	97.8	43.2	Fundamental	/	PK
	V	5755.00	95.5	43.2	Fundamental	/	PK

TEST REPORT

	H	11510.00	40.3	-3.1	68.20	27.9	PK
	H	17265.00	43.4	-0.2	68.20	24.8	PK
	V	11510.00	40.1	-3.1	68.20	28.1	PK
	V	17265.00	42.6	-0.2	68.20	25.6	PK
H	H	5795.00	93.5	43.4	Fundamental	/	PK
	V	5795.00	92.0	43.4	Fundamental	/	PK
	H	11590.00	40.8	-3.4	68.20	27.4	PK
	H	17385.00	44.6	-0.6	68.20	23.6	PK
	V	11590.00	40.1	-3.4	68.20	28.1	PK
	V	17385.00	43.8	-0.6	68.20	24.4	PK

802.11ax20

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5745.00	102.6	43.2	Fundamental	/	PK
	V	5745.00	99.6	43.2	Fundamental	/	PK
	H	11490.00	40.3	-3.1	68.20	27.9	PK
	H	17235.00	43.9	-0.2	68.20	24.3	PK
	V	11490.00	40.1	-3.1	68.20	28.1	PK
	V	17235.00	43.2	-0.2	68.20	25.0	PK
M	H	11570.00	40.0	-3.3	68.20	28.2	PK
	H	17355.00	43.9	-0.1	68.20	24.3	PK
	V	11570.00	39.8	-3.3	68.20	28.4	PK
	V	17355.00	43.3	-0.1	68.20	24.9	PK
H	H	5825.00	104.5	43.5	Fundamental	/	PK
	V	5825.00	103.0	43.5	Fundamental	/	PK
	H	11650.00	40.7	-3.4	68.20	27.5	PK
	H	17475.00	43.8	-0.2	68.20	24.4	PK
	V	11650.00	40.3	-3.4	68.20	27.9	PK
	V	17475.00	43.1	-0.2	68.20	25.1	PK

TEST REPORT

802.11ax40

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5755.00	98.2	43.2	Fundamental	/	PK
	V	5755.00	96.8	43.2	Fundamental	/	PK
	H	11510.00	40.9	-3.1	68.20	27.3	PK
	H	17265.00	43.2	-0.2	68.20	25.0	PK
	V	11510.00	40.1	-3.1	68.20	28.1	PK
	V	17265.00	42.5	-0.2	68.20	25.7	PK
H	H	5795.00	101.8	43.4	Fundamental	/	PK
	V	5795.00	97.4	43.4	Fundamental	/	PK
	H	11590.00	40.6	-3.4	68.20	27.6	PK
	H	17385.00	44.5	-0.6	68.20	23.7	PK
	V	11590.00	40.0	-3.4	68.20	28.2	PK
	V	17385.00	43.8	-0.6	68.20	24.4	PK

802.11ac80

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5775.00	94.50	43.3	Fundamental	/	PK
	V	5775.00	91.9	43.3	Fundamental	/	PK
	H	11550.00	40.5	-3.3	68.20	27.7	PK
	H	17325.00	44.9	-0.2	68.20	23.3	PK
	V	11550.00	40.1	-3.3	68.20	28.1	PK
	V	17325.00	44.3	-0.2	68.20	23.9	PK

802.11ax80

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5775.00	95.60	43.3	Fundamental	/	PK
	V	5775.00	93.0	43.3	Fundamental	/	PK
	H	11550.00	40.7	-3.3	68.20	27.5	PK

TEST REPORT

	H	17325.00	44.1	-0.2	68.20	24.1	PK
	V	11550.00	40.2	-3.3	68.20	28.0	PK
	V	17325.00	43.8	-0.2	68.20	24.4	PK

TEST REPORT

All Partial RU modes are tested, and the data of the worst mode is described as below.

U-NII-1 Band:

802.11ax20(26Tone)

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5180.00	102.3	41.1	Fundamental	/	PK
	V	5180.00	101.9	41.1	Fundamental	/	PK
	H	5150.00	58.0	41.1	74.00	16.0	PK
	H	5150.00	46.5	41.1	54.00	7.5	AV
	V	5150.00	58.5	41.1	74.00	15.5	PK
	V	5150.00	46.6	41.1	54.00	7.4	AV
	H	10360.00	40.3	-4.0	68.20	27.9	PK
	H	15540.00	43.8	-1.5	68.20	24.4	PK
	V	10360.00	39.4	-4.0	68.20	28.8	PK
	V	15540.00	43.0	-1.5	68.20	25.2	PK
M	H	10440.00	40.8	-4.0	68.20	27.4	PK
	H	15660.00	43.9	-1.5	68.20	24.3	PK
	V	10440.00	39.9	-4.0	68.20	28.3	PK
	V	15660.00	42.8	-1.5	68.20	25.4	PK
H	H	5240.00	104.1	41.3	Fundamental	/	PK
	V	5240.00	102.6	41.3	Fundamental	/	PK
	H	5350.00	59.1	41.3	74.00	14.9	PK
	H	5350.00	46.6	41.3	54.00	7.4	AV
	V	5350.00	57.7	41.3	74.00	16.3	PK
	V	5350.00	46.6	41.3	54.00	7.4	AV
	H	10480.00	40.3	-3.9	68.20	27.9	PK
	H	15720.00	43.7	-1.7	68.20	24.5	PK
	V	10480.00	39.9	-3.9	68.20	28.3	PK
	V	15720.00	43.2	-1.7	68.20	25.0	PK

802.11ax40(26Tone)

TEST REPORT

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5190.00	101.4	41.1	Fundamental	/	PK
	V	5190.00	101.0	41.1	Fundamental	/	PK
	H	5150.00	57.8	41.1	74.00	16.2	PK
	H	5150.00	46.3	41.1	54.00	7.7	AV
	V	5150.00	58.1	41.1	74.00	15.9	PK
	V	5150.00	46.5	41.1	54.00	7.5	AV
	H	10380.00	40.6	-4.0	68.20	27.6	PK
	H	15570.00	43.8	-1.5	68.20	24.4	PK
	V	10380.00	39.9	-4.0	68.20	28.3	PK
	V	15570.00	43.4	-1.5	68.20	24.8	PK
H	H	5230.00	102.0	41.3	Fundamental	/	PK
	V	5230.00	100.1	41.3	Fundamental	/	PK
	H	5350.00	58.3	41.3	74.00	15.7	PK
	H	5350.00	46.6	41.3	54.00	7.4	AV
	V	5350.00	57.6	41.3	74.00	16.4	PK
	V	5350.00	46.6	41.3	54.00	7.4	AV
	H	10460.00	40.4	-3.9	68.20	27.8	PK
	H	15690.00	43.6	-1.6	68.20	24.6	PK
	V	10460.00	39.5	-3.9	68.20	28.7	PK
	V	15690.00	43.0	-1.6	68.20	25.2	PK

802.11ax80(26Tone)

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5210.00	101.2	41.1	Fundamental	/	PK
	V	5210.00	101.1	41.1	Fundamental	/	PK
	H	5150.00	57.6	41.1	74.00	16.4	PK
	H	5150.00	46.3	41.1	54.00	7.7	AV

TEST REPORT

	V	5150.00	58.1	41.1	74.00	15.9	PK
	V	5150.00	46.3	41.1	54.00	7.7	AV
	H	10420.00	40.8	-4.0	68.20	27.4	PK
	H	15630.00	44.1	-1.5	68.20	24.1	PK
	V	10420.00	40.0	-4.0	68.20	28.2	PK
	V	15630.00	43.7	-1.5	68.20	24.5	PK

U-NII-2A Band

802.11ax20(26Tone)

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	10520.00	40.7	-3.9	68.20	27.5	PK
	H	15780.00	44.3	-1.7	68.20	23.9	PK
	V	10520.00	40.1	-3.9	68.20	28.1	PK
	V	15780.00	43.8	-1.7	68.20	24.4	PK
M	H	10600.00	40.5	-4.0	68.20	27.7	PK
	H	15900.00	43.9	-1.6	68.20	24.3	PK
	V	10600.00	39.9	-34.8	68.20	28.3	PK
	V	15900.00	43.4	-34.7	68.20	24.8	PK
H	H	5320.00	102.3	41.3	Fundamental	/	PK
	V	5320.00	101.4	41.3	Fundamental	/	PK
	H	5350.00	57.6	41.3	74.00	16.4	PK
	H	5350.00	46.3	41.3	54.00	7.7	AV
	V	5350.00	57.8	41.3	74.00	16.2	PK
	V	5350.00	46.5	41.3	54.00	7.5	AV
	H	10640.00	40.4	-3.9	68.20	27.8	PK
	H	15960.00	44.1	-1.6	68.20	24.1	PK
	V	10640.00	40.1	-3.9	68.20	28.1	PK
	V	15960.00	43.7	-1.6	68.20	24.5	PK

TEST REPORT

802.11ax40(26Tone)

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	10540.00	40.2	-4.0	68.20	28.0	PK
	H	15810.00	43.9	-1.6	68.20	24.3	PK
	V	10540.00	39.9	-4.0	68.20	28.3	PK
	V	15810.00	43.5	-1.6	68.20	24.7	PK
H	H	5310.00	103.4	41.3	Fundamental	/	PK
	V	5310.00	102.9	41.3	Fundamental	/	PK
	H	5350.00	57.9	41.3	74.00	16.1	PK
	H	5350.00	46.6	41.3	54.00	7.4	AV
	V	5350.00	58.2	41.3	74.00	15.8	PK
	V	5350.00	46.6	41.3	54.00	7.4	AV
	H	10620.00	40.2	-4.0	68.20	28.0	PK
	H	15930.00	43.9	-1.6	68.20	24.3	PK
	V	10620.00	39.8	-4.0	68.20	28.4	PK
	V	15930.00	43.5	-1.6	68.20	24.7	PK

802.11ax80(26Tone)

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5290.00	104.4	41.3	Fundamental	/	PK
	V	5290.00	101.9	41.3	Fundamental	/	PK
	H	5350.00	58.2	41.3	74.00	15.8	PK
	H	5350.00	46.5	41.3	54.00	7.5	AV
	V	5350.00	58.1	41.3	74.00	15.9	PK
	V	5350.00	46.5	41.3	54.00	7.5	AV
	H	10580.00	40.4	-4.0	68.20	27.8	PK
	H	15870.00	43.7	-1.6	68.20	24.5	PK
	V	10580.00	39.9	-4.0	68.20	28.3	PK
	V	15870.00	43.3	-1.6	68.20	24.9	PK

TEST REPORT

U-NII-2C Band:

802.11ax20(26Tone)

Channel	Polarity	Frequency (MHz)	Corrected Reading (dB/m)	Correct Factor (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5500.00	103.5	41.3	Fundamental	/	PK
	V	5500.00	102.7	41.3	Fundamental	/	PK
	H	5460.00	58.4	41.3	74.00	15.6	PK
	H	5460.00	46.7	41.3	54.00	7.3	AV
	V	5460.00	58.0	41.3	74.00	16.0	PK
	V	5460.00	46.7	41.3	54.00	7.3	AV
	H	16500.00	40.1	-3.7	68.20	28.1	PK
	H	11000.00	43.7	-0.8	68.20	24.5	PK
	V	16500.00	39.8	-3.7	68.20	28.4	PK
	V	11000.00	43.3	-0.8	68.20	24.9	PK
M	H	11160.00	40.9	-3.3	68.20	27.3	PK
	H	16740.00	44.2	-0.9	68.20	24.0	PK
	V	11160.00	40.1	-3.3	68.20	28.1	PK
	V	16740.00	43.8	-0.9	68.20	24.4	PK
H	H	11400.00	41.8	-3.0	68.20	26.4	PK
	H	17100.00	44.7	-0.2	68.20	23.5	PK
	V	11400.00	40.9	-3.0	68.20	27.3	PK
	V	17100.00	44.1	-0.2	68.20	24.1	PK

802.11ax40(26Tone)

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5510.00	104.3	41.3	Fundamental	/	PK
	V	5510.00	105.4	41.3	Fundamental	/	PK
	H	5460.00	58.4	41.3	74.00	15.6	PK
	H	5460.00	46.7	41.3	54.00	7.3	AV
	V	5460.00	58.5	41.3	74.00	15.5	PK
	V	5460.00	46.7	41.3	54.00	7.3	AV

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	H	11020.00	40.2	-3.7	68.20	28.0	PK
	H	16530.00	43.9	-0.8	68.20	24.3	PK
	V	11020.00	39.8	-3.7	68.20	28.4	PK
	V	16530.00	43.2	-0.8	68.20	25.0	PK
M	H	11100.00	40.8	-3.6	68.20	27.4	PK
	H	16650.00	44.2	-0.9	68.20	24.0	PK
	V	11100.00	40.2	-3.6	68.20	28.0	PK
	V	16650.00	43.9	-0.9	68.20	24.3	PK
H	H	11340.00	41.2	-3.0	68.20	27.0	PK
	H	17010.00	44.9	-0.3	68.20	23.3	PK
	V	11340.00	40.9	-3.1	68.20	27.3	PK
	V	17010.00	44.2	-0.6	68.20	24.0	PK

802.11ax80(26Tone)

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5530.00	103.7	41.3	Fundamental	/	PK
	V	5530.00	101.6	41.3	Fundamental	/	PK
	H	5460.00	57.6	41.3	74.00	16.4	PK
	H	5460.00	46.4	41.3	54.00	7.6	AV
	V	5460.00	58.1	41.3	74.00	15.9	PK
	V	5460.00	46.4	41.3	54.00	7.6	AV
	H	11060.00	40.8	-3.6	68.20	27.4	PK
	H	16590.00	44.4	-0.8	68.20	23.8	PK
	V	11060.00	40.2	-3.6	68.20	28.0	PK
	V	16590.00	43.9	-0.8	68.20	24.3	PK
M	H	11220.00	40.3	-3.0	68.20	27.9	PK
	H	16830.00	43.8	-0.9	68.20	24.4	PK
	V	11220.00	40.0	-3.0	68.20	28.2	PK
	V	16830.00	43.1	-0.9	68.20	25.1	PK

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H	H	11220.00	41.2	-3.2	68.20	27.0	PK
	H	16830.00	44.2	-0.7	68.20	24.0	PK
	V	11220.00	40.9	-3.2	68.20	27.3	PK
	V	16830.00	43.8	-0.7	68.20	24.4	PK

U-NII-3 Band:

802.11ax20(26Tone)

Channel	Polarity	Frequency	Corrected Reading	Correct Factor	Limit	Margin	Detector
		(MHz)	(dBuV/m)	(dB/m)	(dBuV/m)	(dB)	
L	H	5745.00	101.5	42.0	Fundamental	/	PK
	V	5745.00	101.2	42.0	Fundamental	/	PK
	H	11490.00	40.7	-3.1	68.20	27.5	PK
	H	17235.00	44.3	-0.2	68.20	23.9	PK
	V	11490.00	40.3	-3.1	68.20	27.9	PK
	V	17235.00	43.9	-0.2	68.20	24.3	PK
M	H	11570.00	41.0	-3.3	68.20	27.2	PK
	H	17355.00	44.9	-0.1	68.20	23.3	PK
	V	11570.00	40.8	-3.3	68.20	27.4	PK
	V	17355.00	44.2	-0.1	68.20	24.0	PK
H	H	5825.00	102.3	42.2	Fundamental	/	PK
	V	5825.00	101.4	42.2	Fundamental	/	PK
	H	11650.00	40.5	-3.4	68.20	27.7	PK
	H	17475.00	44.3	-0.2	68.20	23.9	PK
	V	11650.00	40.0	-3.4	68.20	28.2	PK
	V	17475.00	43.8	-0.2	68.20	24.4	PK

802.11ax40

Channel	Polarity	Frequency	Corrected Reading	Correct Factor	Limit	Margin	Detector
		(MHz)	(dBuV/m)	(dB/m)	(dBuV/m)	(dB)	

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L	H	5755.00	102.3	42.0	Fundamental	/	PK
	V	5755.00	102.0	42.0	Fundamental	/	PK
	H	11510.00	40.1	-3.1	68.20	28.1	PK
	H	17265.00	43.9	-0.2	68.20	24.3	PK
	V	11510.00	39.8	-3.1	68.20	28.4	PK
	V	17265.00	43.6	-0.2	68.20	24.6	PK
H	H	5795.00	103.3	42.1	Fundamental	/	PK
	V	5795.00	102.1	42.1	Fundamental	/	PK
	H	11590.00	41.3	-3.4	68.20	26.9	PK
	H	17385.00	44.8	-0.6	68.20	23.4	PK
	V	11590.00	40.7	-3.4	68.20	27.5	PK
	V	17385.00	44.1	-0.6	68.20	24.1	PK

802.11ax80(26Tone)

Channel	Polarity	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
L	H	5775.00	101.3	42.0	Fundamental	/	PK
	V	5775.00	102.0	42.0	Fundamental	/	PK
	H	11550.00	40.5	-3.3	68.20	27.7	PK
	H	17325.00	43.6	-0.2	68.20	24.6	PK
	V	11550.00	40.0	-3.3	68.20	28.2	PK
	V	17325.00	43.1	-0.2	68.20	25.1	PK

- Remark: 1. Correct Factor = Antenna Factor + Cable Loss (- Amplifier, for higher than 1GHz), the value was added to Original Receiver Reading by the software automatically.
2. Corrected Reading = Original Receiver Reading + Correct Factor
3. Margin = Limit - Corrected Reading
4. If the PK Corrected Reading is lower than AV limit, the AV test can be elided.

Example: Assuming Antenna Factor = 30.20dB/m, Cable Loss = 2.00dB,
Gain of Preamplifier = 32.00dB, Original Receiver Reading = 10.00dBuV,
Limit = 40.00dBuV/m.
Then Correct Factor = 30.20 + 2.00 – 32.00 = 0.20dB/m;
Corrected Reading = 10dBuV + 0.20dB/m = 10.20dBuV/m;
Margin = 40.00dBuV/m - 10.20dBuV/m = 29.80dB.

8 Frequency Stability

Test result: Pass

8.1 Limit

The frequency stability shall be sufficient to ensure that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

8.2 Test Result

Frequency Error - Temperature Variation

Supply Voltage DC (V)	Temperature (°C)	Frequency Deviation (ppm)
		Channel (5180MHz)
24.0	-20	-3.8610
	-10	-3.8610
	0	-3.8610
	10	-7.7220
	20	-3.8610
	30	-3.8610
	40	-7.7220
	50	-3.8610

Frequency Error - Voltage Variation

Supply Voltage DC (V)	Temperature (°C)	Frequency Deviation (ppm)
		Channel (5180MHz)
21.6	20	-7.7220
24.0		-3.8610
26.4		-7.7220

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Frequency Error - Temperature Variation

Supply Voltage DC (V)	Temperature (°C)	Frequency Deviation (ppm)
		Channel (5260MHz)
24	-20	-11.4068
	-10	-3.8022
	0	-7.6045
	10	-7.6045
	20	-7.6045
	30	-7.6045
	40	-7.6045
	50	-7.6045

Frequency Error - Voltage Variation

Supply Voltage DC (V)	Temperature (°C)	Frequency Deviation (ppm)
		Channel (5280MHz)
21.6	20	-3.7878
24.0		-7.5757
26.4		-3.7878

Frequency Error - Temperature Variation

Supply Voltage DC (V)	Temperature (°C)	Frequency Deviation (ppm)
		Channel (5500MHz)
24	-20	-3.6363
	-10	-3.6363
	0	-7.2727
	10	-3.6363
	20	-7.2727
	30	-7.2727
	40	-7.2727
	50	-3.6363

TEST REPORT

Frequency Error - Voltage Variation

Supply Voltage DC (V)	Temperature (°C)	Frequency Deviation (ppm)
		Channel (5500MHz)
21.6	20	-3.6363
24.0		-7.2727
26.4		-7.2727

Frequency Error - Temperature Variation

Supply Voltage DC (V)	Temperature (°C)	Frequency Deviation (ppm)
		Channel (5745MHz)
24.0	-20	-6.962576
	-10	-10.443864
	0	-6.962576
	10	-6.962576
	20	-6.962576
	30	-6.962576
	40	-6.962576
	50	-6.962576

Frequency Error - Voltage Variation

Supply Voltage DC (V)	Temperature (°C)	Frequency Deviation (ppm)
		Channel (5745MHz)
21.6	20	-10.4438
24.0		-6.9625
26.4		-6.9625

9 Antenna requirement

Requirement:

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

Result:

EUT use of a permanently attached antenna and a unique coupling to the intentional radiator, so it can comply with the provisions of this section.

***** END *****