



中认信通
CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



TEST REPORT

Applicant: 8devices

Address: FCC: Antakalnio 17 - 6 Vilnius Lithuania
IC: Antakalnio g. 17-6 Vilnius Vilnius County LT-10312 Lithuania

FCC ID: Z9WMAN

IC: 11468A-MAN

HVIN: Mango

Product Name: Mango

Standard(s): 47 CFR Part 15, Subpart E(15.407)

RSS-247 Issue 2, February 2017

RSS-Gen, Issue 5, February 2021 Amendment 2

ANSI C63.10-2013

KDB 789033 D02 General U-NII Test Procedures New
Rules v02r01

The above equipment has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: CR230633479-00BA1

Date Of Issue: 2023/7/8

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Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	CR22010029-00B	Original Report	2023/1/3
1	CR230633479-00BA1	Class II Permissive Change Report	2023/7/8

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Mango
EUT Model:	Mango
Operation Frequency:	5180-5240 MHz (802.11a/n ht20/ac vht20/ax vht20) 5190-5230 MHz(802.11n ht40/ac vht40/ax vht40) 5210 MHz(802.11ac vht80/ax vht80) 5745-5825 MHz (802.11a/n ht20/ac vht20/ax vht20) 5755-5795 MHz(802.11n ht40/ac vht40/ax vht40) 5775 MHz(802.11ac vht80/ax vht80)
Maximum Average Output Power (Conducted):	18.38 dBm (5150-5250 MHz) 18.20 dBm (5725-5850 MHz)
Modulation Type:	802.11a/n/ac: OFDM-BPSK, QPSK, 16QAM, 64QAM,256QAM 802.11ax: OFDMA- BPSK, QPSK, 16QAM, 64QAM,256QAM, 1024QAM
Rated Input Voltage:	DC 3.3V
Serial Number:	26SH-1
EUT Received Date:	2023/6/13
EUT Received Status:	Good
Test Purpose:	<p>This is Class II permissive Change application for FCC ID: Z9WMAN, IC: 11468A-MAN. The change was below, which was provided by manufacturer ▲ :</p> <p>1. Added PIFA type antenna.</p> <p>Per Spot check with the RF output power, the change not affect the RF parameters, so AC line conducted emission and radiated spurious emission were tested in this report.</p>

1.1.2 Operation Frequency Detail:

For 802.11a/n ht20/ac vht20/ax hew20:

5150-5250MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	149	5745
40	5200	153	5765
44	5220	157	5785
48	5240	161	5805
/	/	165	5825

Per section 15.31(m)/RSS-Gen, the below frequencies were performed the test as below:

36	5180	149	5745
40	5200	157	5785
48	5240	165	5825

For 802.11n ht40/ac vht40/ax hew40:

5150-5250MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	151	5755
46	5230	159	5795
Per section 15.31(m)/RSS-Gen, the below frequencies were performed the test as below:			
38	5190	151	5755
46	5230	159	5795

For 802.11ac vht80/ax hew80:

5150-5250MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	155	5775
Per section 15.31(m)/RSS-Gen, the below frequencies were performed the test as below:			
42	5210	155	5775

1.1.3 Antenna Information Detail▲:

Antenna Chain	Antenna Manufacturer	Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
Chain 1&Chain 2	Laird Connectivity	PIFA	50	5150~5250MHz 5725~5850MHz	3dBi 3dBi

The Method of §15.203 Compliance:

- Antenna must be permanently attached to the unit.
- Antenna must use a unique type of connector to attach to the EUT.
- Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

1.1.4 Accessory Information:

No.

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.
Equipment Modifications:	No
EUT Exercise Software:	QRCT

The software " QRCT "was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲:

Note:

1. The below are the worst-case data rates, which are determined for each mode based upon investigations by measuring the average power and PSD across all data rates, bandwidths, and modulations.
2. The device supports SISO in all modes, and MIMO 2T2R in 802.11n/ac/ax modes, per pretest, 2T2R mode was the worst mode and reported for 802.11n/ac/ax modes.
3. For 802.11 ax testing, per original report, all different tone and RU index configurations was performed for output power, the maximum result is in Full RU Configuration, and prescan all the different tone and RU index with the other test item, the worst case at the Full RU, so the other test was only performed at Full RU configuration(802.11ax hew20:242/61, 802.11ax hew40: 484/65, 802.11ax hew80: 996/67).

5150-5250 MHz Band:

Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting	
				Chain 1	Chain 2
802.11a	Lowest	5180	6Mbps	13	16
	Middle	5200	6Mbps	13	16
	Highest	5240	6Mbps	13	16
802.11n ht20	Lowest	5180	MCS8	12	15
	Middle	5200	MCS8	13	16
	Highest	5240	MCS8	13	16
802.11n ht40	Lowest	5190	MCS8	9	12
	Highest	5230	MCS8	10	13
802.11ac vht20	Lowest	5180	MCS8	13	15
	Middle	5200	MCS8	13	16
	Highest	5240	MCS8	13	16
802.11ac vht40	Lowest	5190	MCS8	13	16
	Highest	5230	MCS8	13	16
802.11ac vht80	Middle	5210	MCS8	9	12

For 802.11ax hew20/ ax hew40/ ax hew80:

Test Modes	setting	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting	
					Chain 1	Chain 2
802.11ax hew20	242Tone	Lowest	5180	MCS0	8	7.5
		Middle	5200	MCS0	10	9.5
		Highest	5240	MCS0	14	13.5
802.11ax hew40	484Tone	Lowest	5190	MCS0	11	10.5
		Highest	5230	MCS0	15	14.5
802.11ax hew80	996Tone	Middle	5210	MCS0	15	14.5

5725-5850 MHz Band:

Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting	
				Chain 1	Chain 2
802.11a	Lowest	5745	6Mbps	12	16
	Middle	5785	6Mbps	12	16
	Highest	5825	6Mbps	11	16
802.11n ht20	Lowest	5745	MCS8	11	16
	Middle	5785	MCS8	11	16
	Highest	5825	MCS8	11	16
802.11n ht40	Lowest	5755	MCS8	12	16
	Highest	5795	MCS8	12	16
802.11ac vht20	Lowest	5745	MCS8	11	16
	Middle	5785	MCS8	11	16
	Highest	5825	MCS8	12	16
802.11ac vht40	Lowest	5755	MCS8	11	16
	Highest	5795	MCS8	11	16
802.11ac vht80	Middle	5775	MCS8	11	14

For 802.11ax hew20/ ax hew40/ ax hew80:

Test Modes	setting	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting	
					Chain 1	Chain 2
802.11ax hew20	242Tone	Lowest	5745	MCS0	8	7.5
		Middle	5785	MCS0	10	9.5
		Highest	5825	MCS0	15	14
802.11ax hew40	484Tone	Lowest	5755	MCS0	12	11.5
		Highest	5795	MCS0	16	15.5
802.11ax hew80	996Tone	Middle	5775	MCS0	16	15.5

1.2.2 Support Equipment List and Details

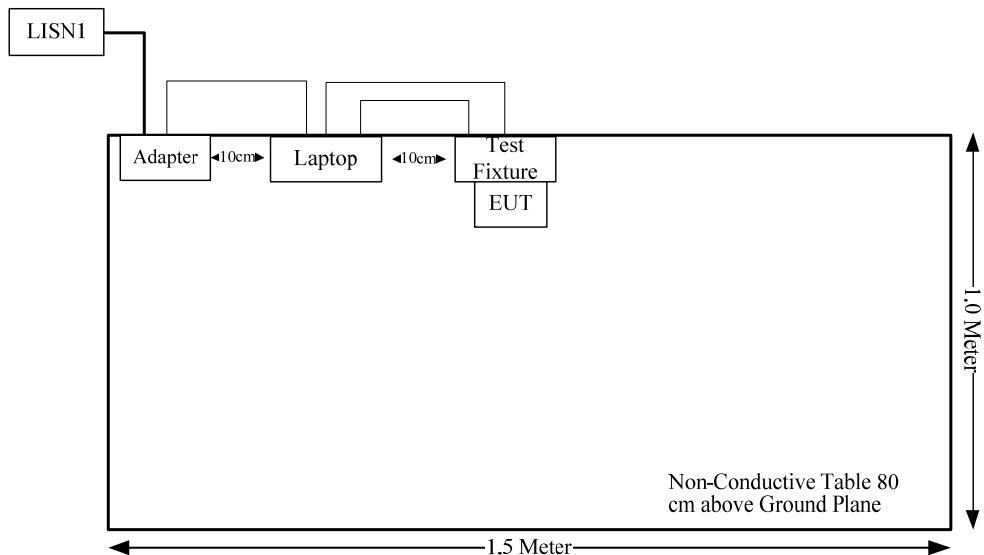
Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	E480	PF-1QQYYP 19/06
8devices	Test Fixture	Unknown	26SH-6

1.2.3 Support Cable List and Details

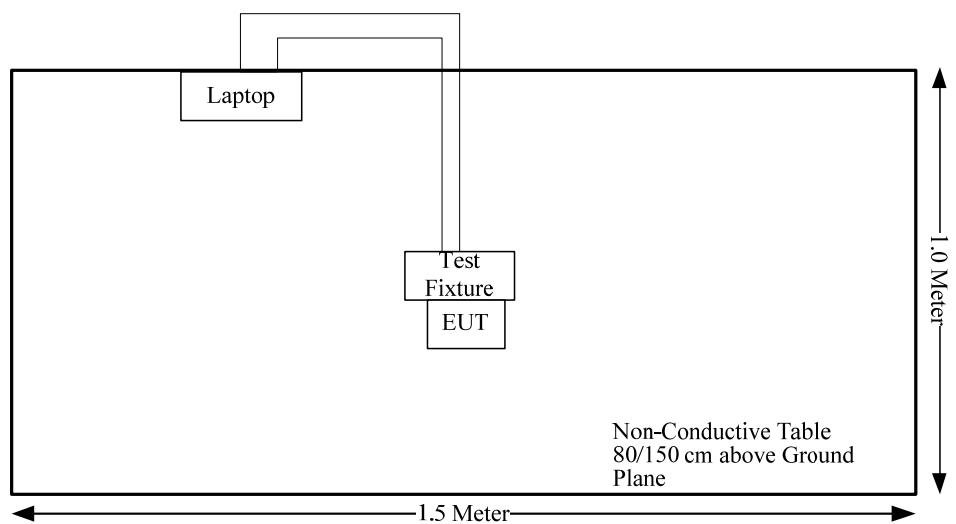
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Signal Cable	No	No	0.4	Serial Board	Test Fixture
USB Cable	No	No	1.5	Laptop	Test Fixture

1.2.4 Block Diagram of Test Setup

AC line conducted emissions:



Radiated Spurious Emissions:



1.3 Measurement Uncertainty

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Power Spectral Density, conducted	±0.61 dB
Unwanted Emissions, radiated	30M~200MHz: 4.15 dB, 200M~1GHz: 5.61 dB, 1G~6GHz: 5.14 dB, 6G~18GHz: 5.93 dB, 18G~26.5G: 5.47 dB, 26.5G~40G: 5.63 dB
Unwanted Emissions, conducted	±1.26 dB
Temperature	±1°C
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

2. SUMMARY OF TEST RESULTS

Standard(s) Section	Test Items	Result
§15.207(a) RSS-Gen Clause 8.8	AC line conducted emissions	Compliant
FCC§15.205& §15.209 &§15.407(b) RSS-247 Clause 6.2	Undesirable Emission& Restricted Bands	Compliant
RSS-247 Clause 6.2.1.2	26dB attenuated below the channel power	Compliant*
FCC§15.407(a) (e) RSS-247 Clause 6.2 RSS-Gen Clause 6.7	Emission Bandwidth	Compliant*
FCC§15.407(a) RSS-247 Clause 6.2	Maximum Conducted Output Power	Compliant*
FCC§15.407 (a) RSS-247 Clause 6.2	Power Spectral Density	Compliant*
§15.203 RSS-GEN Clause 6.8	Antenna Requirement	Compliant
RSS-247 Clause 6.4	Additional requirements	Compliant*
§1.1307 & §2.1091	RF Exposure Evaluation	Compliant
RSS-102 § 2.5.2	RF Exposure Evaluation	Compliant

Compliant*: The change was not affect to this test, the test results please refer to the original report: CR22010029-00B.

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 Applicable Standard

FCC§15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

- (1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.
- (2) For all other carrier current systems: 1000 μ V within the frequency band 535-1705 kHz, as measured using a 50 μ H/50 ohms LISN.
- (3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtainig their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

RSS-Gen Clause 8.8

Unless stated otherwise in the applicable RSS, for radio apparatus that are designed to be connected to the public utility AC power network, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the range 150 kHz to 30 MHz shall not exceed the limits in table 4, as measured using a 50 μ H / 50 Ω line impedance stabilization network. This requirement applies for the radio frequency voltage measured between each power line and the ground terminal of each AC power-line mains cable of the EUT.

For an EUT that connects to the AC power lines indirectly, through another device, the requirement for compliance with the limits in table 4 shall apply at the terminals of the AC power-line mains cable of a representative support device, while it provides power to the EUT. The lower limit applies at the

boundary between the frequency ranges. The device used to power the EUT shall be representative of typical applications.

Table 4 – AC power-line conducted emissions limits

Frequency (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 ¹	56 to 46 ¹
0.5 - 5	56	46
5 - 30	60	50

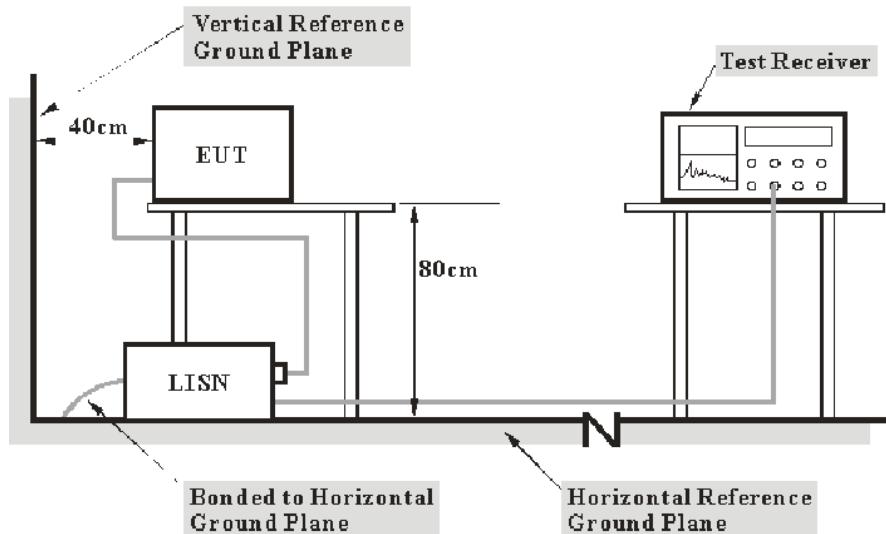
Note 1: The level decreases linearly with the logarithm of the frequency.

For an EUT with a permanent or detachable antenna operating between 150 kHz and 30 MHz, the AC power-line conducted emissions must be measured using the following configurations:

(a) Perform the AC power-line conducted emissions test with the antenna connected to determine compliance with the limits of table 4 outside the transmitter's fundamental emission band.

(b) Retest with a dummy load instead of the antenna to determine compliance with the limits of table 4 within the transmitter's fundamental emission band. For a detachable antenna, remove the antenna and connect a suitable dummy load to the antenna connector. For a permanent antenna, remove the antenna and terminate the RF output with a dummy load or network that simulates the antenna in the fundamental frequency band.

3.1.2 EUT Setup



Note:

1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207, RSS-Gen limits.

The spacing between the peripherals was 10 cm.

The adapter or EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

3.1.3 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

3.1.4 Test Procedure

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase ("hot") line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

3.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = attenuation caused by cable loss + voltage division factor of AMN

The “Margin” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

3.2 Radiation Spurious Emissions

3.2.1 Applicable Standard

FCC §15.407 (b);

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of - 27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of - 27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of - 27 dBm/MHz.
- (4) For transmitters operating solely in the 5.725-5.850 GHz band:
 - (i) All emissions shall be limited to a level of - 27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
 - (ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.
- (8) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- (9) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in § 15.207.
- (10) The provisions of § 15.205 apply to intentional radiators operating under this section.
- (11) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.
- (c) The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

RSS-247 Clause 6.2

Frequency band 5150-5250 MHz

6.2.1.2 Unwanted emission limits

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

Frequency band 5725-5850 MHz

6.2.4.2 Unwanted emission limits

Devices operating in the band 5725-5850 MHz with antenna gain greater than 10 dBi can have unwanted emissions that comply with either the limits in this section or in section 5.5 until six (6) months after the publication date of this standard for certification. Certified devices that do not comply with emission limits in this section shall not be manufactured, imported, distributed, leased, offered for sale or sold after April 1, 2018.

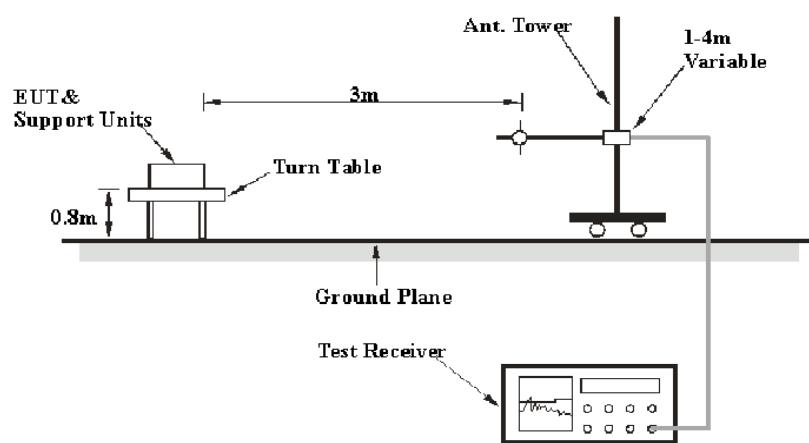
Devices operating in the band 5725-5850 MHz with antenna gain of 10 dBi or less can have unwanted emissions that comply with either the limits in this section or in section 5.5 until April 1, 2018 for certification. Certified devices that do not comply with emission limits in this section shall not be manufactured, imported, distributed, leased, offered for sale or sold after April 1, 2020.

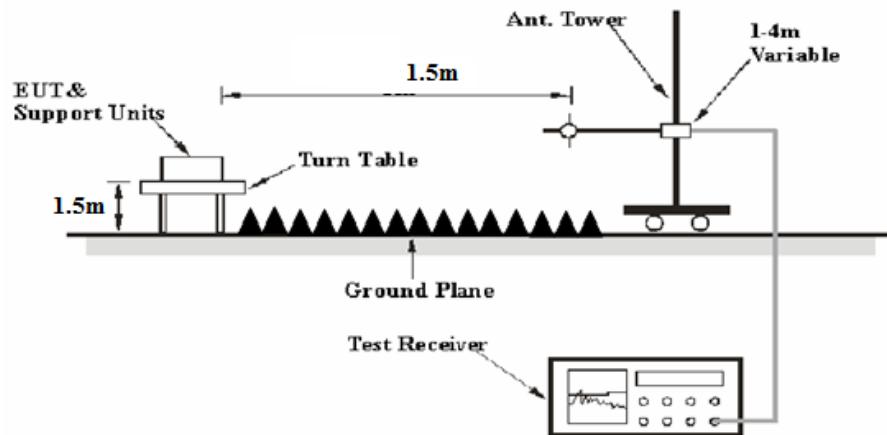
Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

- a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
- d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

3.2.2 EUT Setup

Below 1GHz:



1-40 GHz:

The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was FCC 15.209, FCC 15.407, RSS-247, RSS-Gen limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

3.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 40 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

30-1000MHz:

Detector	RBW	Video B/W	IF B/W
QP	120 kHz	300 kHz	120kHz

1GHz- 40GHz:

Measurement	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
AV	>98% <98%	1MHz	10 Hz 1/T

Note: T is minimum transmission duration

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

3.2.4 Test Procedure

During the radiated emission test, the adapter was connected to the first AC floor outlet.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1GHz, peak and Average detection modes for frequencies above 1GHz.

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, emission shall be computed as: $E [\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] + 95.2$, for $d = 3$ meters.

According to C63.10, the above 1G test result shall be extrapolated to the specified distance using an extrapolation Factor of 20dB/decade from 3m to 1.5m

Distance extrapolation Factor = $20 \log (\text{specific distance [3m]}/\text{test distance [1.5m]})$ dB= 6.02 dB

All emissions under the average limit and under the noise floor have not recorded in the report.

3.2.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Factor = Antenna Factor + Cable Loss- Amplifier Gain

For 30MHz-1GHz:

Result = Reading + Factor

For 1GHz-40GHz

Result = Reading + Factor- Distance extrapolation Factor

The “Margin” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

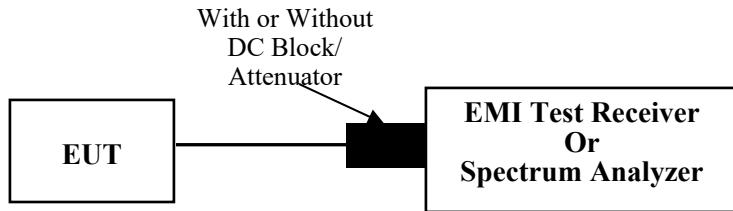
3.3 26dB Attenuated Below The Channel Power:

3.3.1 Applicable Standard

RSS-247 Clause 6.2.1.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

3.3.2 EUT Setup



3.3.3 Test Procedure

- a) Set RBW = 1%~5% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = RMS.
- d) Trace mode = max hold
- e) Measure the emission attenuated below the channel power

3.4 Emission Bandwidth:

3.4.1 Applicable Standard

FCC §15.407 (a),(h)

(h)(2) Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems.

FCC §15.407 (e)

Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

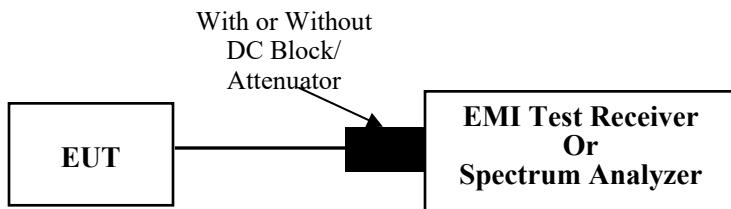
RSS-247 Clause 6.2.1.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

RSS-247 Clause 6.2.4.1

For equipment operating in the band 5725-5850 MHz, the minimum 6 dB bandwidth shall be at least 500 kHz.

3.4.2 EUT Setup



3.4.3 Test Procedure

26dB Emission Bandwidth:

According to ANSI C63.10-2013 Section 12.4.1

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

99% Occupied Bandwidth:

According to ANSI C63.10-2013 Section 12.4.2&6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (\text{OBW}/\text{RBW})]$ below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) 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.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. 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% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

6 dB emission bandwidth:

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) ≥ 3 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 in this section. For devices that use channel aggregation refer to III.A and III.C for determining emission bandwidth.

3.5 Maximum Conducted Output Power:

3.5.1 Applicable Standard

FCC §15.407(a)(1)(iv)

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

FCC §15.407(a)(2)

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 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC §15.407(a)(3)(i)

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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

RSS-247 Clause 6.2.1.1

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10} B$, dBm, whichever is less stringent. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

RSS-247 Clause 6.2.2.1

Devices, other than devices installed in vehicles, shall comply with the following:

- a) The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band;

b) The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10}B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

RSS-247 Clause 6.2.3.1

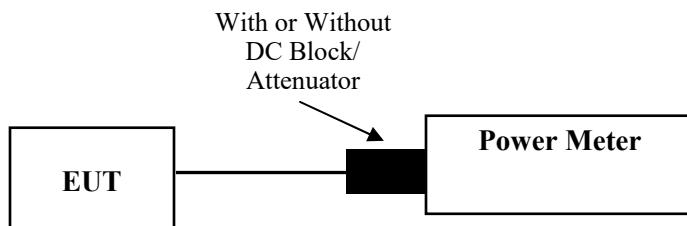
The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10}B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10}B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

RSS-247 Clause 6.2.4.1

The maximum conducted output power shall not exceed 1 W. The output 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 output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications and multiple collocated transmitters transmitting the same information.

3.5.2 EUT Setup



3.5.3 Test Procedure

According to ANSI C63.10-2013 Section 12.3.3.2

Method PM-G is measurement using a gated RF average power meter.

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

3.6 Maximum Power Spectral Density:

3.6.1 Applicable Standard

FCC §15.407(a)(1)(iv)

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

FCC §15.407(a)(2)

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 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC §15.407(a)(3)(i)

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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

RSS-247 Clause 6.2.1.1

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10} B$, dBm, whichever is less stringent. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

RSS-247 Clause 6.2.2.1

Devices, other than devices installed in vehicles, shall comply with the following:

- a) The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band;

b) The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10}B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

RSS-247 Clause 6.2.3.1

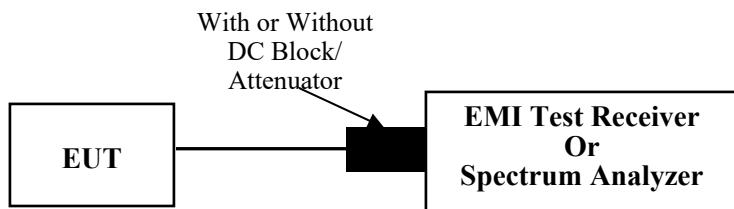
The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10}B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10}B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

RSS-247 Clause 6.2.4.1

The maximum conducted output power shall not exceed 1 W. The output 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 output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications and multiple collocated transmitters transmitting the same information.

3.6.2 EUT Setup



3.6.3 Test Procedure

According to ANSI C63.10-2013Section 12.3.2

Duty cycle $\geq 98\%$

Method SA-1 was used.

Duty cycle $< 98\%$, duty cycle variations are less than $\pm 2\%$

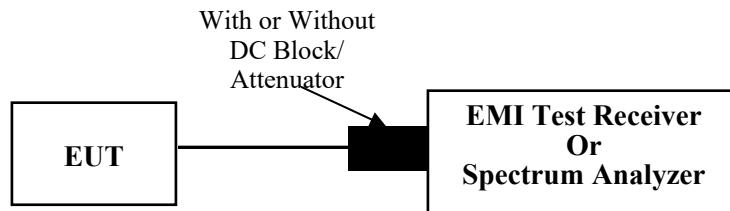
Method SA-2 was used.

Duty cycle $< 98\%$, duty cycle variations exceed $\pm 2\%$

Method SA-3 was used.

3.7 Duty Cycle:

3.7.1 EUT Setup



3.7.2 Test Procedure

According to ANSI C63.10-2013 Section 12.2

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:

- 1) Set the center frequency of the instrument to the center frequency of the transmission.
- 2) Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.
- 3) Set $VBW \geq RBW$. Set detector = peak or average.
- 4) The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if $T \leq 16.7 \mu s$.)

3.8 Antenna Requirement

3.8.1 Applicable Standard

FCC §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. 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. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

RSS-GEN Clause 6.8

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer.

The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter [enter the device's ISED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

3.8.2 Judgment

Result: Compliant. Please refer to the Antenna Information detail in Section 1.

3.9 Additional requirement

3.9.1 Applicable Standard

According to RSS-247 Clause 6.4 Additional requirement

The following requirements shall apply:

- a) The device shall automatically discontinue transmission in cases of absence of information to transmit, or operational failure. A description on how this is done shall accompany the application for equipment certification. Note that this is not intended to prohibit transmission of control or signalling information or the use of repetitive codes where required by the technology.
- b) All LE-LAN devices must contain security features to protect against modification of software by unauthorized parties.

Manufacturers must implement security features in any digitally modulated devices capable of operating in any of the frequency ranges within the 5 GHz band, so that third parties are not able to reprogram the device to operate outside the parameters for which the device was certified. The software must prevent the user from operating the transmitter with operating frequencies, output power, modulation types or other radio frequency parameters outside those that were approved for the device. Manufacturers may use various means, including the use of a private network that allows only authenticated users to download software, electronic signatures in software or coding in hardware that is decoded by software to verify that new software can be legally loaded into a device to meet these requirements and must describe the methods in their application for equipment certification.

Manufacturers must take steps to ensure that DFS functionality cannot be disabled by the operator of the LE-LAN device.

- c) The user manual for LE-LAN devices shall contain instructions related to the restrictions mentioned in the above sections, namely that:
 - i. the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;⁴
 - ii. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
 - iii. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; and
 - iv. where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

3.9.2 Judgment

RSS-247 Clause 6.4 a):

The device shall automatically discontinue transmission in cases of absence of information to transmit, or operational failure. Please refer to the declaration

RSS-247 Clause 6.4 b):

The devices must contain security features to protect against modification of software by unauthorized parties. Please refer to the declaration

RSS-247 Clause 6.4 c):

- i). The device operates on 5150-5250MHz is only for indoor use.
- ii). The device not operates on 5250-5350MHz/5470-5725MHz.
- iii). The antenna is detachable, and all the EIPR compliance with RSS-247 requirement. Please refer to the conducted output power test result.
- iv). Not Applicable.

4. Test DATA AND RESULTS

4.1 AC Line Conducted Emissions

Serial Number:	26SH-1	Test Date:	2023/06/20
Test Site:	CE	Test Mode:	Transmitting (802.11a mode chain 1, 5745MHz was the worst)
Tester:	David Huang	Test Result:	Pass

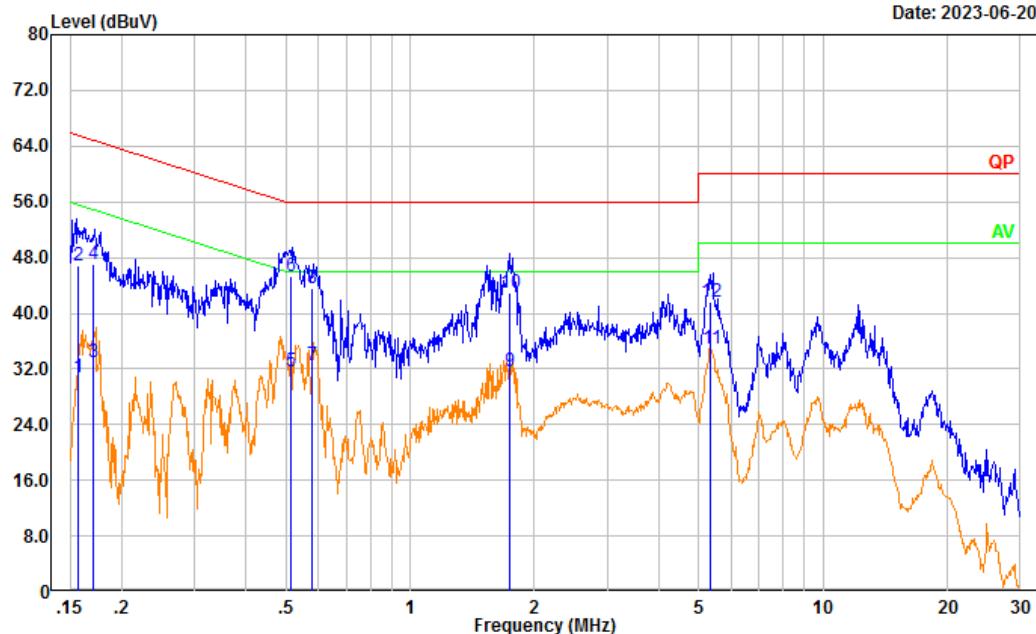
Environmental Conditions:					
Temperature: (°C)	24.9	Relative Humidity: (%)	55	ATM Pressure: (kPa)	100.8

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2023/03/31	2024/03/30
R&S	EMI Test Receiver	ESR3	102726	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2022/08/07	2023/08/06
Audix	Test Software	E3	190306 (V9)	N/A	N/A

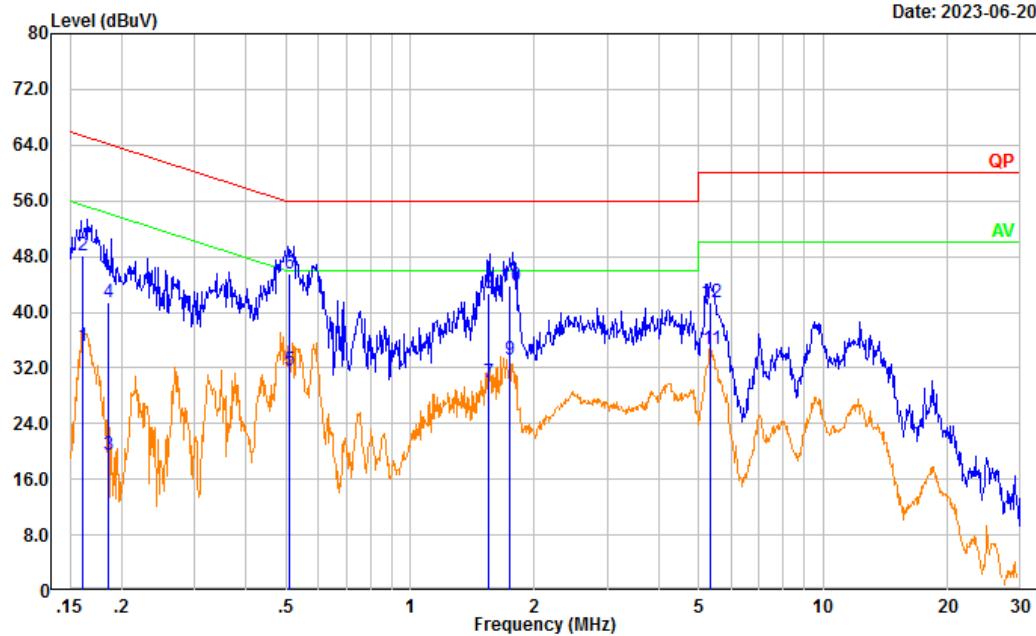
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Mode: Transmitting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector
1	0.157	21.07	9.61	30.68	55.60	24.92	Average
2	0.157	37.29	9.61	46.90	65.60	18.70	QP
3	0.170	23.25	9.61	32.86	54.94	22.08	Average
4	0.170	37.39	9.61	47.00	64.94	17.94	QP
5	0.514	22.05	9.61	31.66	46.00	14.34	Average
6	0.514	35.78	9.61	45.39	56.00	10.61	QP
7	0.581	22.96	9.62	32.58	46.00	13.42	Average
8	0.581	33.91	9.62	43.53	56.00	12.47	QP
9	1.747	21.95	9.63	31.58	46.00	14.42	Average
10	1.747	33.34	9.63	42.97	56.00	13.03	QP
11	5.345	25.28	9.66	34.94	50.00	15.06	Average
12	5.345	31.95	9.66	41.61	60.00	18.39	QP

Test Mode: Transmitting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector
1	0.161	25.56	9.61	35.17	55.39	20.22	Average
2	0.161	38.60	9.61	48.21	65.39	17.18	QP
3	0.186	9.96	9.61	19.57	54.23	34.66	Average
4	0.186	31.80	9.61	41.41	64.23	22.82	QP
5	0.508	22.00	9.61	31.61	46.00	14.39	Average
6	0.508	36.00	9.61	45.61	56.00	10.39	QP
7	1.554	20.33	9.63	29.96	46.00	16.04	Average
8	1.554	33.13	9.63	42.76	56.00	13.24	QP
9	1.746	23.47	9.63	33.10	46.00	12.90	Average
10	1.746	34.14	9.63	43.77	56.00	12.23	QP
11	5.347	25.08	9.66	34.74	50.00	15.26	Average
12	5.347	31.74	9.66	41.40	60.00	18.60	QP

4.2 Radiation Spurious Emissions

Serial Number:	26SH-1	Test Date:	2023/06/20
Test Site:	966-1/966-2	Test Mode:	Transmitting
Tester:	Carl Xue, Coco Tian	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	23.2~27	Relative Humidity: (%)	58~62	ATM Pressure: (kPa)	100.5

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2020/10/19	2023/10/18
R&S	EMI Test Receiver	ESR3	102724	2022/07/15	2023/07/14
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2022/07/17	2023/07/16
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2022/07/17	2023/07/16
Sonoma	Amplifier	310N	186165	2022/07/17	2023/07/16
Audix	Test Software	E3	201021 (V9)	N/A	N/A
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12
R&S	Spectrum Analyzer	FSV40	101591	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2022/08/07	2023/08/06
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2022/08/07	2023/08/06
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2022/11/09	2023/11/08
PASTERNACK	Horn Antenna	PE9852/2F-20	112002	2021/02/05	2024/02/04
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2022/09/16	2023/09/15
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2022/08/07	2023/08/06
E-Microwave	Band Rejection Filter	5150-5850MHz	OE01902423	2022/08/07	2023/08/06
Mini Circuits	High Pass Filter	VHF-6010+	31119	2022/08/07	2023/08/06
PASTERNACK	Horn Antenna	PE9850/2F-20	072001	2021/02/05	2024/02/04

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

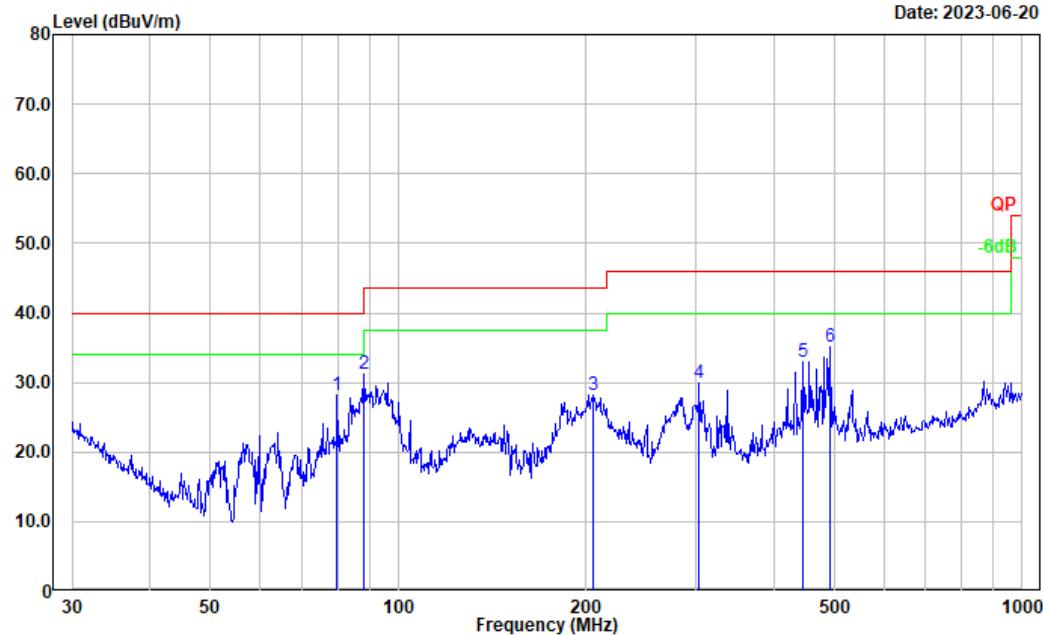
Test Data:

Please refer to the below table and plots.

Note: The device can be mounted in multiple orientations, test was performed with X, Y, Z Axis according to C63.10 figure 8, the worst orientation was photographed and it's data was recorded.

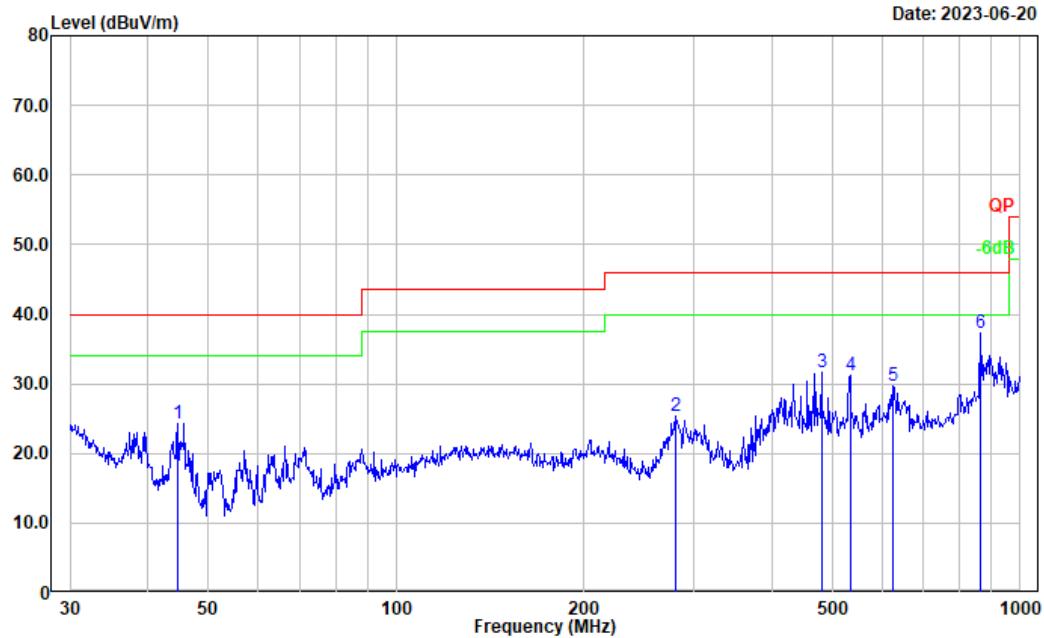
1) 30MHz-1GHz(802.11a mode chain 1,5785MHz was the worst)

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	79.800	45.57	-17.44	28.13	40.00	11.87	Peak
2	88.033	48.27	-17.03	31.24	43.50	12.26	Peak
3	204.955	40.57	-12.36	28.21	43.50	15.29	Peak
4	303.544	40.48	-10.59	29.89	46.00	16.11	Peak
5	444.851	40.07	-7.14	32.93	46.00	13.07	Peak
6	492.469	41.36	-6.18	35.18	46.00	10.82	Peak

Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	44.587	38.39	-14.00	24.39	40.00	15.61	Peak
2	280.024	37.06	-11.66	25.40	46.00	20.60	Peak
3	480.528	37.85	-6.25	31.60	46.00	14.40	Peak
4	533.832	37.26	-6.00	31.26	46.00	14.74	Peak
5	625.078	34.29	-4.60	29.69	46.00	16.31	Peak
6	863.056	38.48	-1.20	37.28	46.00	8.72	Peak

2) 1GHz-40GHz:

5150-5250MHz:

802.11a Chain 1:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5180 MHz							
5180.000	70.70	PK	H	38.68	103.36	N/A	N/A
5180.000	59.84	AV	H	38.68	92.50	N/A	N/A
5180.000	65.94	PK	V	38.68	98.60	N/A	N/A
5180.000	56.26	AV	V	38.68	88.92	N/A	N/A
5150.000	31.44	PK	H	38.64	64.06	74.00	9.94
5150.000	17.36	AV	H	38.64	49.98	54.00	4.02
10360.000	33.72	PK	H	19.18	46.88	68.20	21.32
15540.000	34.35	PK	H	22.44	50.77	74.00	23.23
15540.000	21.43	AV	H	22.44	37.85	54.00	16.15
Middle Channel: 5200 MHz							
5200.000	69.97	PK	H	38.70	102.65	N/A	N/A
5200.000	60.13	AV	H	38.70	92.81	N/A	N/A
5200.000	67.70	PK	V	38.70	100.38	N/A	N/A
5200.000	57.65	AV	V	38.70	90.33	N/A	N/A
10400.000	33.55	PK	H	19.16	46.69	68.20	21.51
15600.000	34.54	PK	H	22.41	50.93	74.00	23.07
15600.000	21.79	AV	H	22.41	38.18	54.00	15.82
High Channel: 5240 MHz							
5240.000	71.49	PK	H	38.85	104.32	N/A	N/A
5240.000	61.45	AV	H	38.85	94.28	N/A	N/A
5240.000	68.96	PK	V	38.85	101.79	N/A	N/A
5240.000	58.85	AV	V	38.85	91.68	N/A	N/A
5350.000	29.70	PK	H	39.03	62.71	74.00	11.29
5350.000	16.76	AV	H	39.03	49.77	54.00	4.23
10480.000	34.16	PK	H	18.86	47.00	68.20	21.20
15720.000	34.80	PK	H	22.28	51.06	74.00	22.94
15720.000	21.72	AV	H	22.28	37.98	54.00	16.02

802.11a Chain 2:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5180 MHz							
5180.000	73.75	PK	H	38.68	106.41	N/A	N/A
5180.000	63.73	AV	H	38.68	96.39	N/A	N/A
5180.000	68.43	PK	V	38.68	101.09	N/A	N/A
5180.000	58.26	AV	V	38.68	90.92	N/A	N/A
5150.000	35.34	PK	H	38.64	67.96	74.00	6.04
5150.000	18.95	AV	H	38.64	51.57	54.00	2.43
10360.000	33.31	PK	H	19.18	46.47	68.20	21.73
15540.000	33.99	PK	H	22.44	50.41	74.00	23.59
15540.000	21.41	AV	H	22.44	37.83	54.00	16.17
Middle Channel: 5200 MHz							
5200.000	72.81	PK	H	38.70	105.49	N/A	N/A
5200.000	62.93	AV	H	38.70	95.61	N/A	N/A
5200.000	69.48	PK	V	38.70	102.16	N/A	N/A
5200.000	59.40	AV	V	38.70	92.08	N/A	N/A
10400.000	31.73	PK	H	19.16	44.87	68.20	23.33
15600.000	35.24	PK	H	22.41	51.63	74.00	22.37
15600.000	22.18	AV	H	22.41	38.57	54.00	15.43
High Channel: 5240 MHz							
5240.000	72.19	PK	H	38.85	105.02	N/A	N/A
5240.000	62.17	AV	H	38.85	95.00	N/A	N/A
5240.000	65.32	PK	V	38.85	98.15	N/A	N/A
5240.000	56.01	AV	V	38.85	88.84	N/A	N/A
5350.000	28.89	PK	H	39.03	61.90	74.00	12.10
5350.000	16.07	AV	H	39.03	49.08	54.00	4.92
10480.000	35.53	PK	H	18.86	48.37	68.20	19.83
15720.000	33.67	PK	H	22.28	49.93	74.00	24.07
15720.000	21.53	AV	H	22.28	37.79	54.00	16.21

802.11n ht20(MIMO mode was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5180MHz							
5180.000	73.67	PK	H	38.68	106.33	N/A	N/A
5180.000	62.18	AV	H	38.68	94.84	N/A	N/A
5180.000	70.19	PK	V	38.68	102.85	N/A	N/A
5180.000	59.31	AV	V	38.68	91.97	N/A	N/A
5150.000	37.29	PK	H	38.64	69.91	74.00	4.09
5150.000	19.06	AV	H	38.64	51.68	54.00	2.32
10360.000	33.46	PK	H	19.18	46.62	68.20	21.58
15540.000	33.84	PK	H	22.44	50.26	74.00	23.74
15540.000	21.90	AV	H	22.44	38.32	54.00	15.68
Middle Channel: 5200 MHz							
5200.000	75.07	PK	H	38.70	107.75	N/A	N/A
5200.000	62.08	AV	H	38.70	94.76	N/A	N/A
5200.000	69.97	PK	V	38.70	102.65	N/A	N/A
5200.000	58.12	AV	V	38.70	90.80	N/A	N/A
10400.000	32.17	PK	H	19.16	45.31	68.20	22.89
15600.000	33.44	PK	H	22.41	49.83	74.00	24.17
15600.000	21.23	AV	H	22.41	37.62	54.00	16.38
High Channel: 5240 MHz							
5240.000	73.76	PK	H	38.85	106.59	N/A	N/A
5240.000	62.73	AV	H	38.85	95.56	N/A	N/A
5240.000	69.73	PK	V	38.85	102.56	N/A	N/A
5240.000	58.56	AV	V	38.85	91.39	N/A	N/A
5350.000	29.34	PK	H	39.03	62.35	74.00	11.65
5350.000	16.36	AV	H	39.03	49.37	54.00	4.63
10480.000	31.58	PK	H	18.86	44.42	68.20	23.78
15720.000	35.78	PK	H	22.28	52.04	74.00	21.96
15720.000	22.46	AV	H	22.28	38.72	54.00	15.28

802.11n ht40(MIMO mode was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5190 MHz							
5190.000	67.59	PK	H	38.69	100.26	N/A	N/A
5190.000	56.63	AV	H	38.69	89.30	N/A	N/A
5190.000	64.60	PK	V	38.69	97.27	N/A	N/A
5190.000	52.74	AV	V	38.69	85.41	N/A	N/A
5150.000	38.72	PK	H	38.64	71.34	74.00	2.66
5150.000	19.31	AV	H	38.64	51.93	54.00	2.07
10380.000	31.57	PK	H	19.17	44.72	68.20	23.48
15570.000	33.21	PK	H	22.43	49.62	74.00	24.38
15570.000	20.34	AV	H	22.43	36.75	54.00	17.25
High Channel: 5230 MHz							
5230.000	71.59	PK	H	38.81	104.38	N/A	N/A
5230.000	59.67	AV	H	38.81	92.46	N/A	N/A
5230.000	66.48	PK	V	38.81	99.27	N/A	N/A
5230.000	55.24	AV	V	38.81	88.03	N/A	N/A
5350.000	29.22	PK	H	39.03	62.23	74.00	11.77
5350.000	16.19	AV	H	39.03	49.20	54.00	4.80
10460.000	30.96	PK	H	18.94	43.88	68.20	24.32
15690.000	34.54	PK	H	22.29	50.81	74.00	23.19
15690.000	21.63	AV	H	22.29	37.90	54.00	16.11

802.11ac vht20(MIMO mode was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5180MHz							
5180.000	76.24	PK	H	38.68	108.90	N/A	N/A
5180.000	65.45	AV	H	38.68	98.11	N/A	N/A
5180.000	70.79	PK	V	38.68	103.45	N/A	N/A
5180.000	59.45	AV	V	38.68	92.11	N/A	N/A
5150.000	35.99	PK	H	38.64	68.61	74.00	5.39
5150.000	19.46	AV	H	38.64	52.08	54.00	1.92
10360.000	30.71	PK	H	19.18	43.87	68.20	24.33
15540.000	34.69	PK	H	22.44	51.11	74.00	22.89
15540.000	21.71	AV	H	22.44	38.13	54.00	15.87
Middle Channel: 5200 MHz							
5200.000	77.37	PK	H	38.70	110.05	N/A	N/A
5200.000	66.64	AV	H	38.70	99.32	N/A	N/A
5200.000	71.59	PK	V	38.70	104.27	N/A	N/A
5200.000	60.45	AV	V	38.70	93.13	N/A	N/A
10400.000	31.42	PK	H	19.16	44.56	68.20	23.64
15600.000	34.94	PK	H	22.41	51.33	74.00	22.67
15600.000	20.03	AV	H	22.41	36.42	54.00	17.58
High Channel: 5240 MHz							
5240.000	77.27	PK	H	38.85	110.10	N/A	N/A
5240.000	66.23	AV	H	38.85	99.06	N/A	N/A
5240.000	72.46	PK	V	38.85	105.29	N/A	N/A
5240.000	61.50	AV	V	38.85	94.33	N/A	N/A
5350.000	29.34	PK	H	39.03	62.35	74.00	11.65
5350.000	16.21	AV	H	39.03	49.22	54.00	4.78
10480.000	36.28	PK	H	18.86	49.12	68.20	19.08
15720.000	32.64	PK	H	22.28	48.90	74.00	25.10
15720.000	19.90	AV	H	22.28	36.16	54.00	17.84

802.11ax hew20(MIMO mode was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5180MHz							
5180.000	75.62	PK	H	38.68	108.28	N/A	N/A
5180.000	65.36	AV	H	38.68	98.02	N/A	N/A
5180.000	70.15	PK	V	38.68	102.81	N/A	N/A
5180.000	58.55	AV	V	38.68	91.21	N/A	N/A
5150.000	36.76	PK	H	38.64	69.38	74.00	4.62
5150.000	19.15	AV	H	38.64	51.77	54.00	2.23
10360.000	31.42	PK	H	19.18	44.58	68.20	23.62
15540.000	35.55	PK	H	22.44	51.97	74.00	22.03
15540.000	22.40	AV	H	22.44	38.82	54.00	15.18
Middle Channel: 5200 MHz							
5200.000	77.37	PK	H	38.70	110.05	N/A	N/A
5200.000	66.14	AV	H	38.70	98.82	N/A	N/A
5200.000	72.66	PK	V	38.70	105.34	N/A	N/A
5200.000	59.89	AV	V	38.70	92.57	N/A	N/A
10400.000	32.47	PK	H	19.16	45.61	68.20	22.59
15600.000	34.22	PK	H	22.41	50.61	74.00	23.39
15600.000	21.37	AV	H	22.41	37.76	54.00	16.24
High Channel: 5240 MHz							
5240.000	77.54	PK	H	38.85	110.37	N/A	N/A
5240.000	67.11	AV	H	38.85	99.94	N/A	N/A
5240.000	73.44	PK	V	38.85	106.27	N/A	N/A
5240.000	60.89	AV	V	38.85	93.72	N/A	N/A
5350.000	28.62	PK	H	39.03	61.63	74.00	12.37
5350.000	15.88	AV	H	39.03	48.89	54.00	5.11
10480.000	35.45	PK	H	18.86	48.29	68.20	19.91
15720.000	33.00	PK	H	22.28	49.26	74.00	24.74
15720.000	20.43	AV	H	22.28	36.69	54.00	17.31

802.11ac vht40(MIMO mode was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5190MHz							
5190.000	73.86	PK	H	38.69	106.53	N/A	N/A
5190.000	63.49	AV	H	38.69	96.16	N/A	N/A
5190.000	66.26	PK	V	38.69	98.93	N/A	N/A
5190.000	55.67	AV	V	38.69	88.34	N/A	N/A
5150.000	35.12	PK	H	38.64	67.74	74.00	6.26
5150.000	20.22	AV	H	38.64	52.84	54.00	1.16
10380.000	31.02	PK	H	19.17	44.17	68.20	24.03
15570.000	35.35	PK	H	22.43	51.76	74.00	22.24
15570.000	22.58	AV	H	22.43	38.99	54.00	15.01
High Channel: 5230 MHz							
5230.000	73.78	PK	H	38.81	106.57	N/A	N/A
5230.000	63.35	AV	H	38.81	96.14	N/A	N/A
5230.000	68.36	PK	V	38.81	101.15	N/A	N/A
5230.000	58.23	AV	V	38.81	91.02	N/A	N/A
5350.000	31.32	PK	H	39.03	64.33	74.00	9.67
5350.000	16.15	AV	H	39.03	49.16	54.00	4.84
10460.000	31.14	PK	H	18.94	44.06	68.20	24.14
15690.000	35.11	PK	H	22.29	51.38	74.00	22.62
15690.000	22.23	AV	H	22.29	38.50	54.00	15.50

802.11ax hew40(MIMO mode was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5190MHz							
5190.000	74.51	PK	H	38.69	107.18	N/A	N/A
5190.000	63.88	AV	H	38.69	96.55	N/A	N/A
5190.000	66.48	PK	V	38.69	99.15	N/A	N/A
5190.000	56.34	AV	V	38.69	89.01	N/A	N/A
5150.000	34.62	PK	H	38.64	67.24	74.00	6.76
5150.000	19.29	AV	H	38.64	51.91	54.00	2.09
10380.000	31.12	PK	H	19.17	44.27	68.20	23.93
15570.000	35.07	PK	H	22.43	51.48	74.00	22.52
15570.000	22.47	AV	H	22.43	38.88	54.00	15.12
High Channel: 5230 MHz							
5230.000	74.50	PK	H	38.81	107.29	N/A	N/A
5230.000	63.70	AV	H	38.81	96.49	N/A	N/A
5230.000	68.82	PK	V	38.81	101.61	N/A	N/A
5230.000	57.70	AV	V	38.81	90.49	N/A	N/A
5350.000	30.89	PK	H	39.03	63.90	74.00	10.10
5350.000	17.39	AV	H	39.03	50.40	54.00	3.60
10460.000	31.07	PK	H	18.94	43.99	68.20	24.21
15690.000	34.22	PK	H	22.29	50.49	74.00	23.51
15690.000	21.44	AV	H	22.29	37.71	54.00	16.29

802.11ac vht80:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Middle Channel: 5210MHz							
5210.000	64.23	PK	H	38.74	96.95	N/A	N/A
5210.000	50.32	AV	H	38.74	83.04	N/A	N/A
5210.000	56.84	PK	V	38.74	89.56	N/A	N/A
5210.000	42.27	AV	V	38.74	74.99	N/A	N/A
5150.000	34.84	PK	H	38.64	67.46	74.00	6.54
5150.000	19.80	AV	H	38.64	52.42	54.00	1.58
5350.000	30.11	PK	H	39.03	63.12	74.00	10.88
5350.000	16.48	AV	H	39.03	49.49	54.00	4.51
10420.000	31.33	PK	H	19.09	44.40	68.20	23.80
15630.000	34.51	PK	H	22.37	50.86	74.00	23.14
15630.000	22.84	AV	H	22.37	39.19	54.00	14.81

802.11ax hew80:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Middle Channel: 5210MHz							
5210.000	63.83	PK	H	38.74	96.55	N/A	N/A
5210.000	50.37	AV	H	38.74	83.09	N/A	N/A
5210.000	57.52	PK	V	38.74	90.24	N/A	N/A
5210.000	41.71	AV	V	38.74	74.43	N/A	N/A
5150.000	34.13	PK	H	38.64	66.75	74.00	7.25
5150.000	19.32	AV	H	38.64	51.94	54.00	2.06
5350.000	29.83	PK	H	39.03	62.84	74.00	11.16
5350.000	16.23	AV	H	39.03	49.24	54.00	4.76
10420.000	31.40	PK	H	19.09	44.47	68.20	23.73
15630.000	33.38	PK	H	22.37	49.73	74.00	24.27
15630.000	20.34	AV	H	22.37	36.69	54.00	17.31

*Note:**Result = Reading + Factor- Distance extrapolation Factor**For 1-40GHz:**Distance extrapolation Factor =20 log (specific distance [3m]/test distance [1.5m]) dB= 6.02 dB*

5725-5850MHz:

802.11a Chain 1:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5745MHz							
5745.000	80.89	PK	H	39.46	114.33	N/A	N/A
5745.000	66.57	AV	H	39.46	100.01	N/A	N/A
5745.000	76.18	PK	V	39.46	109.62	N/A	N/A
5745.000	60.99	AV	V	39.46	94.43	N/A	N/A
5725.000	59.92	PK	H	39.48	93.38	122.20	28.82
5720.000	52.42	PK	H	39.49	85.89	110.80	24.91
5700.000	37.97	PK	H	39.51	71.46	105.20	33.74
5650.000	30.82	PK	H	39.49	64.29	68.20	3.91
11490.000	31.96	PK	H	20.67	46.61	74.00	27.39
11490.000	19.85	AV	H	20.67	34.50	54.00	19.50
17235.000	41.68	PK	H	26.76	62.42	68.20	5.78
Middle Channel: 5785 MHz							
5785.000	80.48	PK	H	39.44	113.90	N/A	N/A
5785.000	69.89	AV	H	39.44	103.31	N/A	N/A
5785.000	75.36	PK	V	39.44	108.78	N/A	N/A
5785.000	65.36	AV	V	39.44	98.78	N/A	N/A
11570.000	32.34	PK	H	20.83	47.15	74.00	26.85
11570.000	19.64	AV	H	20.83	34.45	54.00	19.55
17355.000	34.54	PK	H	27.74	56.26	68.20	11.94
High Channel: 5825 MHz							
5825.000	78.99	PK	H	39.46	112.43	N/A	N/A
5825.000	68.98	AV	H	39.46	102.42	N/A	N/A
5825.000	74.49	PK	V	39.46	107.93	N/A	N/A
5825.000	63.86	AV	V	39.46	97.30	N/A	N/A
5850.000	55.22	PK	H	39.49	88.69	122.20	33.51
5855.000	53.14	PK	H	39.51	86.63	110.80	24.17
5875.000	44.24	PK	H	39.60	77.82	105.20	27.38
5925.000	31.44	PK	H	39.68	65.10	68.20	3.10
11650.000	32.43	PK	H	21.07	47.48	74.00	26.52
11650.000	19.32	AV	H	21.07	34.37	54.00	19.63
17475.000	33.87	PK	H	28.61	56.46	68.20	11.74

802.11a Chain 2:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5745MHz							
5745.000	71.47	PK	H	39.46	104.91	N/A	N/A
5745.000	61.58	AV	H	39.46	95.02	N/A	N/A
5745.000	68.36	PK	V	39.46	101.80	N/A	N/A
5745.000	58.54	AV	V	39.46	91.98	N/A	N/A
5725.000	51.85	PK	H	39.48	85.31	122.20	36.89
5720.000	42.36	PK	H	39.49	75.83	110.80	34.97
5700.000	30.53	PK	H	39.51	64.02	105.20	41.18
5650.000	29.63	PK	H	39.49	63.10	68.20	5.10
11490.000	31.75	PK	H	20.67	46.40	74.00	27.60
11490.000	19.08	AV	H	20.67	33.73	54.00	20.27
17235.000	35.43	PK	H	26.76	56.17	68.20	12.03
Middle Channel: 5785 MHz							
5785.000	71.70	PK	H	39.44	105.12	N/A	N/A
5785.000	62.37	AV	H	39.44	95.79	N/A	N/A
5785.000	70.33	PK	V	39.44	103.75	N/A	N/A
5785.000	60.51	AV	V	39.44	93.93	N/A	N/A
11570.000	31.14	PK	H	20.83	45.95	74.00	28.05
11570.000	19.64	AV	H	20.83	34.45	54.00	19.55
17355.000	33.14	PK	H	27.74	54.86	68.20	13.34
High Channel: 5825 MHz							
5825.000	71.34	PK	H	39.46	104.78	N/A	N/A
5825.000	61.84	AV	H	39.46	95.28	N/A	N/A
5825.000	69.60	PK	V	39.46	103.04	N/A	N/A
5825.000	59.96	AV	V	39.46	93.40	N/A	N/A
5850.000	42.93	PK	H	39.49	76.40	122.20	45.80
5855.000	41.35	PK	H	39.51	74.84	110.80	35.96
5875.000	30.99	PK	H	39.60	64.57	105.20	40.63
5925.000	30.46	PK	H	39.68	64.12	68.20	4.08
11650.000	31.42	PK	H	21.07	46.47	74.00	27.53
11650.000	19.57	AV	H	21.07	34.62	54.00	19.38
17475.000	33.07	PK	H	28.61	55.66	68.20	12.54

802.11n ht20(MIMO mode was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5745MHz							
5745.000	80.03	PK	H	39.46	113.47	N/A	N/A
5745.000	70.05	AV	H	39.46	103.49	N/A	N/A
5745.000	74.81	PK	V	39.46	108.25	N/A	N/A
5745.000	63.60	AV	V	39.46	97.04	N/A	N/A
5725.000	62.66	PK	H	39.48	96.12	122.20	26.08
5720.000	55.64	PK	H	39.49	89.11	110.80	21.69
5700.000	40.13	PK	H	39.51	73.62	105.20	31.58
5650.000	29.97	PK	H	39.49	63.44	68.20	4.76
11490.000	31.72	PK	V	20.67	46.37	74.00	27.63
11490.000	19.64	AV	H	20.67	34.29	54.00	19.71
17235.000	35.26	PK	H	26.76	56.00	68.20	12.20
Middle Channel: 5785 MHz							
5785.000	80.89	PK	H	39.44	114.31	N/A	N/A
5785.000	70.48	AV	H	39.44	103.90	N/A	N/A
5785.000	76.36	PK	V	39.44	109.78	N/A	N/A
5785.000	65.23	AV	V	39.44	98.65	N/A	N/A
11570.000	31.86	PK	H	20.83	46.67	74.00	27.33
11570.000	19.34	AV	H	20.83	34.15	54.00	19.85
17355.000	34.31	PK	H	27.74	56.03	68.20	12.17
High Channel: 5825 MHz							
5825.000	80.04	PK	H	39.46	113.48	N/A	N/A
5825.000	69.09	AV	H	39.46	102.53	N/A	N/A
5825.000	74.78	PK	V	39.46	108.22	N/A	N/A
5825.000	63.98	AV	V	39.46	97.42	N/A	N/A
5850.000	56.97	PK	H	39.49	90.44	122.20	31.76
5855.000	52.65	PK	H	39.51	86.14	110.80	24.66
5875.000	40.87	PK	H	39.60	74.45	105.20	30.75
5925.000	31.67	PK	H	39.68	65.33	68.20	2.87
11650.000	31.22	PK	H	21.07	46.27	74.00	27.73
11650.000	19.65	AV	H	21.07	34.70	54.00	19.30
17475.000	34.38	PK	H	28.61	56.97	68.20	11.23

802.11n ht40(MIMO mode was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5755 MHz							
5755.000	79.19	PK	H	39.45	112.62	N/A	N/A
5755.000	68.22	AV	H	39.45	101.65	N/A	N/A
5755.000	72.19	PK	V	39.45	105.62	N/A	N/A
5755.000	62.26	AV	V	39.45	95.69	N/A	N/A
5725.000	61.90	PK	H	39.48	95.36	122.20	26.84
5720.000	60.47	PK	H	39.49	93.94	110.80	16.86
5700.000	45.86	PK	H	39.51	79.35	105.20	25.85
5650.000	33.80	PK	H	39.49	67.27	68.20	0.93
11510.000	30.89	PK	H	20.67	45.54	74.00	28.46
11510.000	19.01	AV	H	20.67	33.66	54.00	20.34
17265.000	35.69	PK	H	26.94	56.61	68.20	11.59
High Channel: 5795 MHz							
5795.000	77.69	PK	H	39.43	111.10	N/A	N/A
5795.000	66.71	AV	H	39.43	100.12	N/A	N/A
5795.000	71.37	PK	V	39.43	104.78	N/A	N/A
5795.000	61.58	AV	V	39.43	94.99	N/A	N/A
5850.000	49.66	PK	H	39.49	83.13	122.20	39.07
5855.000	47.39	PK	H	39.51	80.88	110.80	29.92
5875.000	40.82	PK	H	39.60	74.40	105.20	30.80
5925.000	32.00	PK	H	39.68	65.66	68.20	2.54
11590.000	32.68	PK	H	20.88	47.54	74.00	26.46
11590.000	19.62	AV	H	20.88	34.48	54.00	19.52
17385.000	36.67	PK	H	28.07	58.72	68.20	9.48

802.11ac vht20(MIMO mode was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5745MHz							
5745.000	80.03	PK	H	39.46	113.47	N/A	N/A
5745.000	70.05	AV	H	39.46	103.49	N/A	N/A
5745.000	74.81	PK	V	39.46	108.25	N/A	N/A
5745.000	63.60	AV	V	39.46	97.04	N/A	N/A
5725.000	62.66	PK	H	39.48	96.12	122.20	26.08
5720.000	55.64	PK	H	39.49	89.11	110.80	21.69
5700.000	40.13	PK	H	39.51	73.62	105.20	31.58
5650.000	29.97	PK	H	39.49	63.44	68.20	4.76
11490.000	31.72	PK	H	20.67	46.37	74.00	27.63
11490.000	19.64	AV	H	20.67	34.29	54.00	19.71
17235.000	35.26	PK	H	26.76	56.00	68.20	12.20
Middle Channel: 5785 MHz							
5785.000	80.89	PK	H	39.44	114.31	N/A	N/A
5785.000	70.48	AV	H	39.44	103.90	N/A	N/A
5785.000	76.36	PK	V	39.44	109.78	N/A	N/A
5785.000	65.23	AV	V	39.44	98.65	N/A	N/A
11570.000	31.86	PK	H	20.83	46.67	74.00	27.33
11570.000	19.34	AV	H	20.83	34.15	54.00	19.85
17355.000	34.31	PK	H	27.74	56.03	68.20	12.17
High Channel: 5825 MHz							
5825.000	80.04	PK	H	39.46	113.48	N/A	N/A
5825.000	69.09	AV	H	39.46	102.53	N/A	N/A
5825.000	74.78	PK	V	39.46	108.22	N/A	N/A
5825.000	63.98	AV	V	39.46	97.42	N/A	N/A
5850.000	56.97	PK	H	39.49	90.44	122.20	31.76
5855.000	52.65	PK	H	39.51	86.14	110.80	24.66
5875.000	40.87	PK	H	39.60	74.45	105.20	30.75
5925.000	31.67	PK	H	39.68	65.33	68.20	2.87
11650.000	31.22	PK	H	21.07	46.27	74.00	27.73
11650.000	19.65	AV	H	21.07	34.70	54.00	19.30
17475.000	34.38	PK	H	28.61	56.97	68.20	11.23

802.11ax hew20(MIMO mode was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5745MHz							
5745.000	78.80	PK	H	39.46	112.24	N/A	N/A
5745.000	68.18	AV	H	39.46	101.62	N/A	N/A
5745.000	75.55	PK	V	39.46	108.99	N/A	N/A
5745.000	64.83	AV	V	39.46	98.27	N/A	N/A
5725.000	61.73	PK	H	39.48	95.19	122.20	27.01
5720.000	56.17	PK	H	39.49	89.64	110.80	21.16
5700.000	39.24	PK	H	39.51	72.73	105.20	32.47
5650.000	31.43	PK	H	39.49	64.90	68.20	3.30
11490.000	33.10	PK	H	20.67	47.75	74.00	26.25
11490.000	20.37	AV	H	20.67	35.02	54.00	18.98
17235.000	32.55	PK	H	26.76	53.29	68.20	14.91
Middle Channel: 5785 MHz							
5785.000	78.47	PK	H	39.44	111.89	N/A	N/A
5785.000	66.36	AV	H	39.44	99.78	N/A	N/A
5785.000	74.63	PK	V	39.44	108.05	N/A	N/A
5785.000	63.66	AV	V	39.44	97.08	N/A	N/A
11570.000	35.24	PK	H	20.83	50.05	74.00	23.95
11570.000	22.46	AV	H	20.83	37.27	54.00	16.73
17355.000	34.02	PK	H	27.74	55.74	68.20	12.46
High Channel: 5825 MHz							
5825.000	80.87	PK	H	39.46	114.31	N/A	N/A
5825.000	68.04	AV	H	39.46	101.48	N/A	N/A
5825.000	75.68	PK	V	39.46	109.12	N/A	N/A
5825.000	62.65	AV	V	39.46	96.09	N/A	N/A
5850.000	55.03	PK	H	39.49	88.50	122.20	33.70
5855.000	52.66	PK	H	39.51	86.15	110.80	24.65
5875.000	39.74	PK	H	39.60	73.32	105.20	31.88
5925.000	31.38	PK	H	39.68	65.04	68.20	3.16
11650.000	34.65	PK	H	21.07	49.70	74.00	24.30
11650.000	21.70	AV	H	21.07	36.75	54.00	17.25
17475.000	33.73	PK	H	28.61	56.32	68.20	11.88

802.11ac vht40(MIMO mode was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5755MHz							
5755.000	79.19	PK	H	39.45	112.62	N/A	N/A
5755.000	68.22	AV	H	39.45	101.65	N/A	N/A
5755.000	72.19	PK	V	39.45	105.62	N/A	N/A
5755.000	62.26	AV	V	39.45	95.69	N/A	N/A
5725.000	61.91	PK	H	39.48	95.37	122.20	26.83
5720.000	60.47	PK	H	39.49	93.94	110.80	16.86
5700.000	45.86	PK	H	39.51	79.35	105.20	25.85
5650.000	33.80	PK	H	39.49	67.27	68.20	0.93
11510.000	30.89	PK	H	20.67	45.54	74.00	28.46
11510.000	19.01	AV	H	20.67	33.66	54.00	20.34
17265.000	35.69	PK	H	26.94	56.61	68.20	11.59
High Channel: 5795 MHz							
5795.000	77.69	PK	H	39.43	111.10	N/A	N/A
5795.000	66.71	AV	H	39.43	100.12	N/A	N/A
5795.000	71.37	PK	V	39.43	104.78	N/A	N/A
5795.000	61.58	AV	V	39.43	94.99	N/A	N/A
5850.000	49.66	PK	H	39.49	83.13	122.20	39.07
5855.000	47.39	PK	H	39.51	80.88	110.80	29.92
5875.000	40.82	PK	H	39.60	74.40	105.20	30.80
5925.000	32.00	PK	H	39.68	65.66	68.20	2.54
11590.000	32.68	PK	H	20.88	47.54	74.00	26.46
11590.000	19.62	AV	H	20.88	34.48	54.00	19.52
17385.000	35.53	PK	H	28.07	57.58	68.20	10.62

802.11ax hew40(MIMO mode was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5755MHz							
5755.000	78.67	PK	H	39.45	112.10	N/A	N/A
5755.000	68.24	AV	H	39.45	101.67	N/A	N/A
5755.000	70.91	PK	V	39.45	104.34	N/A	N/A
5755.000	60.29	AV	V	39.45	93.72	N/A	N/A
5725.000	59.45	PK	H	39.48	92.91	122.20	29.29
5720.000	54.75	PK	H	39.49	88.22	110.80	22.58
5700.000	42.81	PK	H	39.51	76.30	105.20	28.90
5650.000	32.84	PK	H	39.49	66.31	68.20	1.89
11510.000	33.11	PK	H	20.67	47.76	74.00	26.24
11510.000	20.25	AV	H	20.67	34.90	54.00	19.10
17265.000	34.45	PK	H	26.94	55.37	68.20	12.83
High Channel: 5795 MHz							
5795.000	81.11	PK	H	39.43	114.52	N/A	N/A
5795.000	70.16	AV	H	39.43	103.57	N/A	N/A
5795.000	71.83	PK	V	39.43	105.24	N/A	N/A
5795.000	60.76	AV	V	39.43	94.17	N/A	N/A
5850.000	49.05	PK	H	39.49	82.52	122.20	39.68
5855.000	48.55	PK	H	39.51	82.04	110.80	28.76
5875.000	41.86	PK	H	39.60	75.44	105.20	29.76
5925.000	32.52	PK	H	39.68	66.18	68.20	2.02
11590.000	35.54	PK	H	20.88	50.40	74.00	23.60
11590.000	22.51	AV	H	20.88	37.37	54.00	16.63
17385.000	36.27	PK	H	28.07	58.32	68.20	9.88

802.11ac vht80(MIMO mode was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Middle Channel: 5775MHz							
5775.000	71.51	PK	H	39.44	104.93	N/A	N/A
5775.000	58.85	AV	H	39.44	92.27	N/A	N/A
5775.000	60.36	PK	V	39.44	93.78	N/A	N/A
5775.000	46.46	AV	V	39.44	79.88	N/A	N/A
5725.000	73.11	PK	H	39.48	106.57	122.20	15.63
5720.000	70.22	PK	H	39.49	103.69	110.80	7.11
5700.000	45.44	PK	H	39.51	78.93	105.20	26.27
5650.000	33.58	PK	H	39.49	67.05	68.20	1.15
5850.000	38.63	PK	H	39.49	72.10	122.20	50.10
5855.000	38.18	PK	H	39.51	71.67	110.80	39.13
5875.000	33.35	PK	H	39.60	66.93	105.20	38.27
5925.000	32.51	PK	H	39.68	66.17	68.20	2.03
11550.000	31.82	PK	H	20.78	46.58	74.00	27.42
11550.000	18.76	AV	H	20.78	33.52	54.00	20.48
17325.000	32.38	PK	H	27.41	53.77	68.20	14.43

802.11ax hew80(MIMO mode was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Middle Channel: 5775MHz							
5775.000	71.27	PK	H	39.44	104.69	N/A	N/A
5775.000	57.69	AV	H	39.44	91.11	N/A	N/A
5775.000	60.66	PK	V	39.44	94.08	N/A	N/A
5775.000	45.73	AV	V	39.44	79.15	N/A	N/A
5725.000	72.24	PK	H	39.48	105.70	122.20	16.50
5720.000	69.12	PK	H	39.49	102.59	110.80	8.21
5700.000	44.81	PK	H	39.51	78.30	105.20	26.90
5650.000	33.22	PK	H	39.49	66.69	68.20	1.51
5850.000	38.35	PK	H	39.49	71.82	122.20	50.38
5855.000	37.94	PK	H	39.51	71.43	110.80	39.37
5875.000	32.46	PK	H	39.60	66.04	105.20	39.16
5925.000	31.18	PK	H	39.68	64.84	68.20	3.36
11550.000	32.19	PK	H	20.78	46.95	74.00	27.05
11550.000	19.64	AV	H	20.78	34.40	54.00	19.60
17325.000	32.38	PK	H	27.41	53.77	68.20	14.43

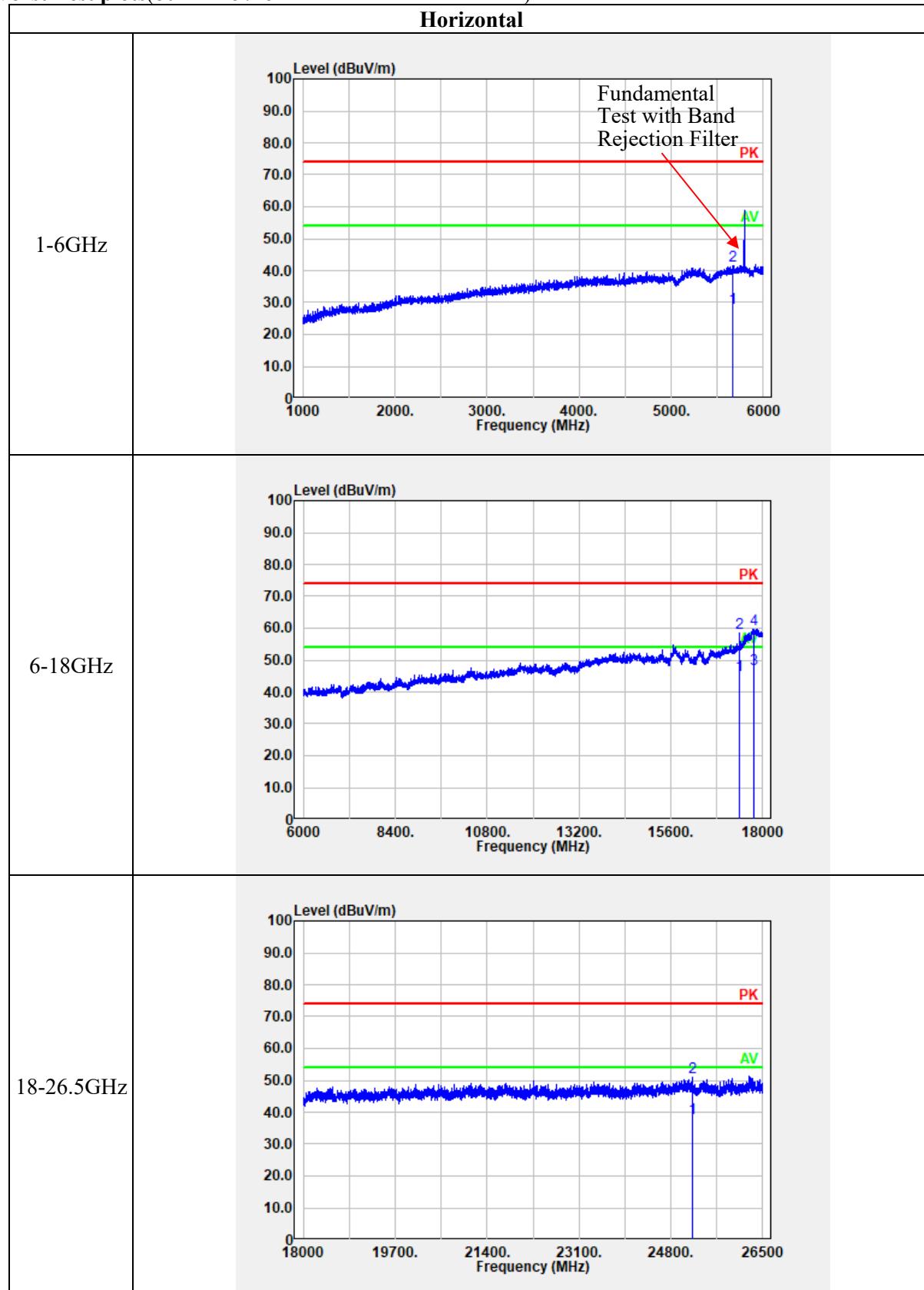
Note:

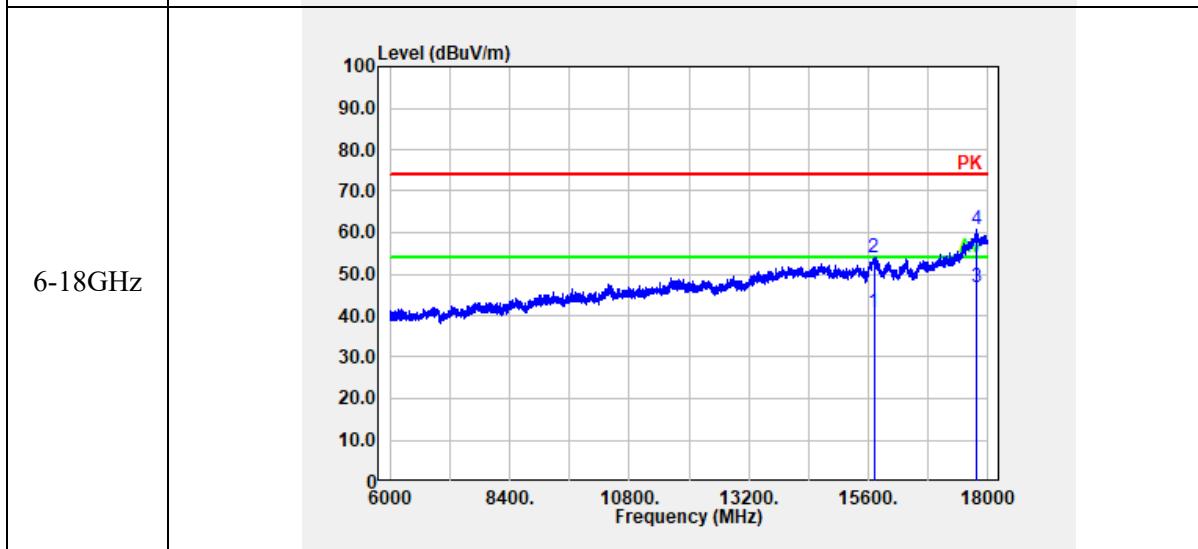
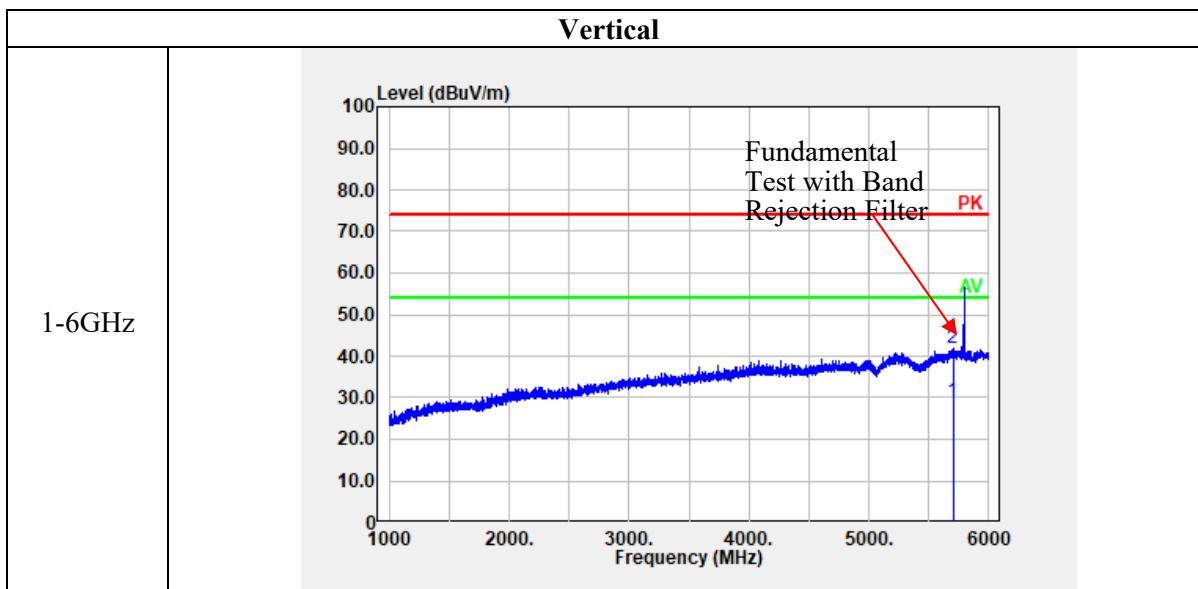
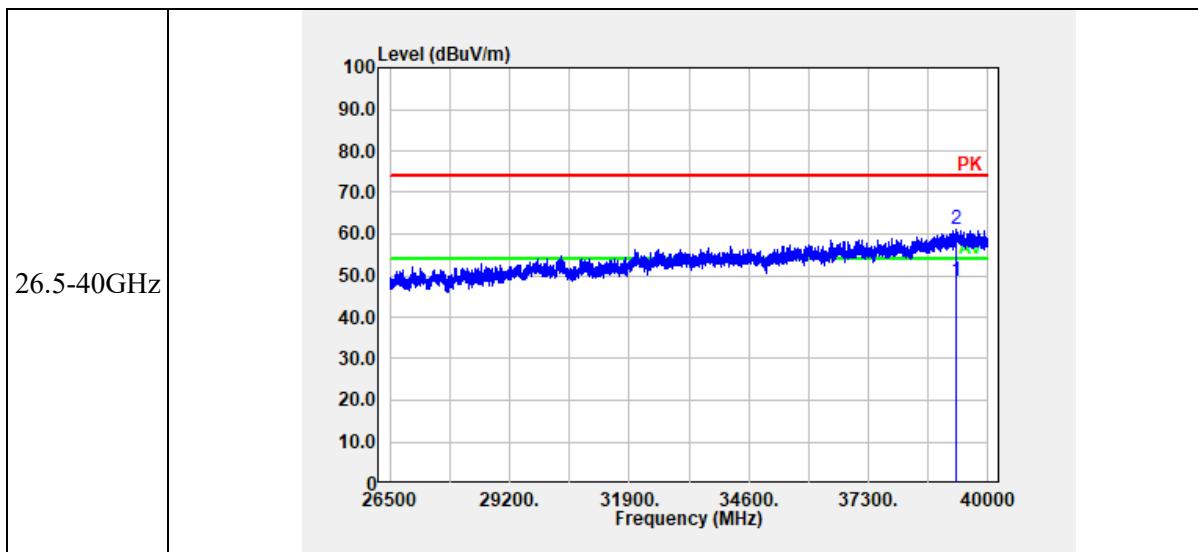
Result = Reading + Factor- Distance extrapolation Factor

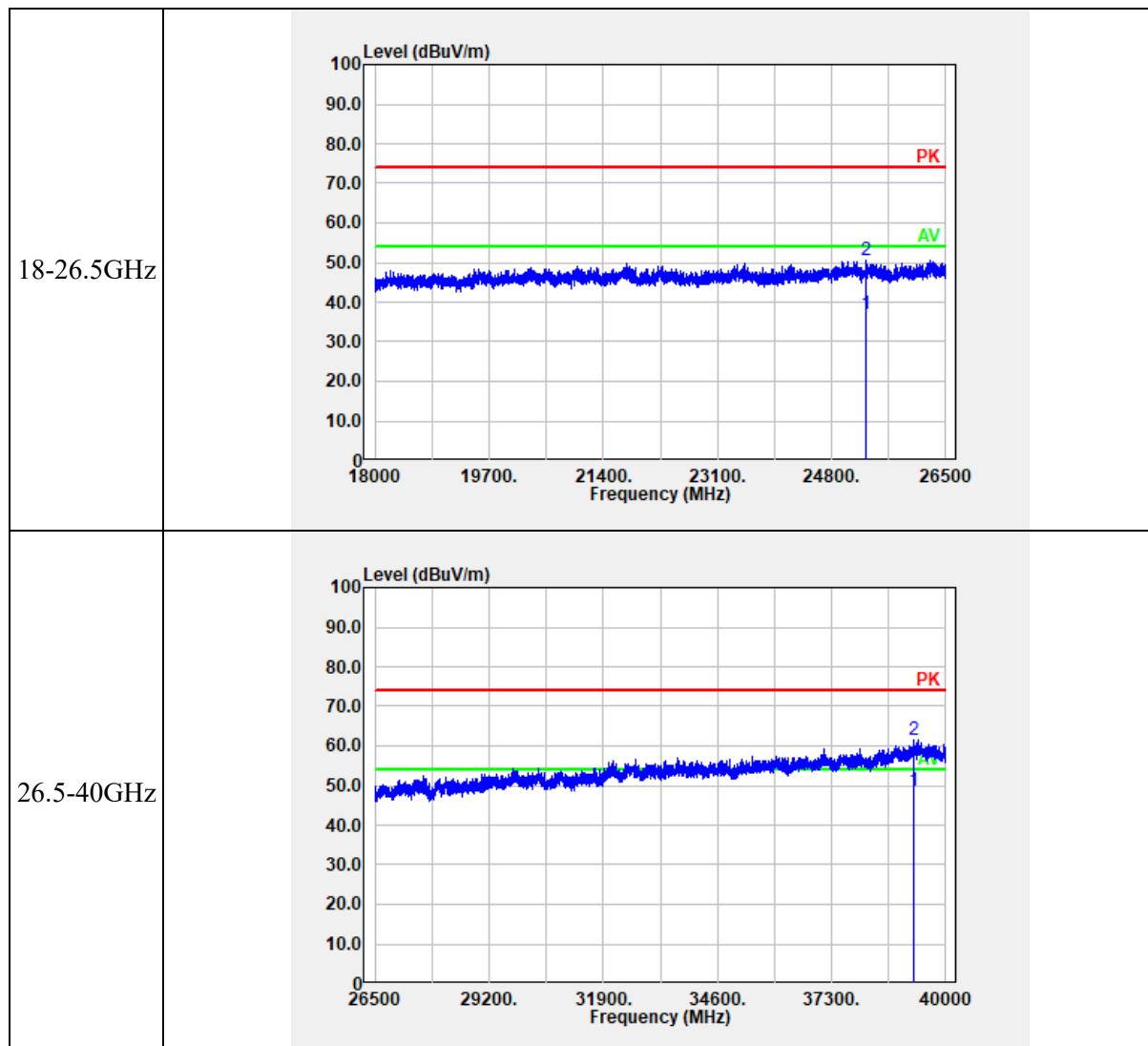
For 1-40GHz:

Distance extrapolation Factor = $20 \log (\text{specific distance [3m]}/\text{test distance [1.5m]})$ dB = 6.02 dB

Worst Test plots(802.11a 5745MHz chain 1 was the worst)







4.5 Spot check Maximum Conducted Output Power:

Serial Number:	26SH-1	Test Date:	2023/7/8
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jim Wei	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.8	Relative Humidity: (%)	57	ATM Pressure: (kPa)	100.5
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	USB Wideband Power Sensor	U2021XA	MY54080015	2022/07/15	2023/07/14
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

5150-5250MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power (dBm)	
		Chain 1	Chain 2
802.11a	5180	14.11	13.78
	5200	14.17	14.05
	5240	14.21	14.34

Check Result: the output power identical with the original report.

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power (dBm)			
		Chain 1	Chain 2	Total	Limit
802.11a	5745	14.38	14.02	/	30
	5785	14.72	14.12	/	30
	5825	13.79	13.53	/	30

Check Result: the output power identical with the original report.

5. RF EXPOSURE EVALUATION

5.1 MAXIMUM PERMISSIBLE EXPOSURE (MPE)

5.1.1 Applicable Standard

FCC §15.247 (i) & §1.1310 & §2.1091

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See §1.1307(b)(1) of this chapter.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minutes)
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500	/	/	f/1500	30
1500–100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

5.1.2 Procedure

Prediction of power density at the distance of the applicable MPE limit

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

5.1.3 Calculated Result

Operation Bands	Frequency (MHz)	Antenna Gain		Conducted output power including Tune-up Tolerance		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
2.4GHz	2412-2462	2	1.58	30	1000.00	20.00	0.32	1.0
5.2GHz	5150-5250	3	2.0	18.5	70.79	20.00	0.03	1.0
5.8GHz	5725-5850	3	2.0	18.5	70.79	20.00	0.03	1.0

Note: Non simultaneously transmission in the band 2.4GHz, 5.2GHz or 5.8GHz.

Result: The device meet FCC MPE at 20 cm distance.

5.2 Exemption limits for Routine Evaluation – RF Exposure Evaluation

5.2.1 Applicable Standard

According to RSS-102 § (2.5.2):

RF exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows:

- below 20 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1 W (adjusted for tune-up tolerance);
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $4.49/f^{0.5}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance);
- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 5 W (adjusted for tune-up tolerance).

In these cases, the information contained in the RF exposure technical brief may be limited to information that demonstrates how the e.i.r.p. was derived.

5.2.2 Calculated Data:

Operation Bands	Frequency (MHz)	Antenna Gain	Conducted output power including Tune-up Tolerance		EIRP		Exemption limits (mW)
			(dBi)	(dBm)	(dBm)	(mW)	
2.4GHz	2412-2462	2		30	32.0	1585	2684
5.2GHz	5150-5250	3		18.5	21.5	141	4525
5.8GHz	5725-5850	3		18.5	21.5	141	4857

So the device is compliance exemption from Routine Evaluation Limits –RF exposure Evaluation.

Result: Compliance

===== END OF REPORT =====