



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



TEST REPORT

Applicant: Anker Innovations Limited

Address: Room 1318-19, Hollywood Plaza, 610 Nathan Road, Mongkok, Kowloon, Hong Kong

FCC ID: 2AOKB-T8425

IC: 23451-T8425

HVIN: T8425

Product Name: Floodlight Cam E340

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: CR230528007-00D

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Reviewed By: Julie Tan
Title: RF Engineer

Julie Tan

Approved By: Sun Zhong
Title: Manager

Sun Zhong

Test Laboratory: China Certification ICT Co., Ltd (Dongguan)

No. 113, Pingkang Road, Dalang Town, Dongguan,
Guangdong, China
Tel: +86-769-82016888

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
1.0	CR230528007-00D	Original Report	2023/7/5

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Floodlight Cam E340
EUT Model:	T8425
Operation Frequency:	5180-5240 MHz (802.11a/n ht20/ac vht20/ax hew20) 5190-5230 MHz(802.11n ht40/ac vht40/ax hew40) 5260-5320 MHz (802.11a/n ht20/ac vht20/ax hew20) 5270-5310 MHz(802.11n ht40/ac vht40/ax hew40) 5500-5720MHz (802.11a/n ht20/ac vht20/ax hew20) 5510-5710(802.11n ht40/ac vht40/ax hew40) 5745-5825 MHz (802.11a/n ht20/ac vht20/ax hew20) 5755-5795 MHz(802.11n ht40/ac vht40/ax hew40)
Maximum Average Output Power (Conducted):	10.05dBm (5150-5250 MHz) 15.77dBm (5250-5350 MHz) 14.19dBm(5470-5725MHz) 15.84dBm (5725-5850 MHz)
Modulation Type:	802.11a/n/ac: OFDM-BPSK, QPSK, 16QAM, 64QAM 802.11ax: OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM
Rated Input Voltage:	AC100-240V/50-60Hz
Serial Number:	262D-2
EUT Received Date:	2023/5/23
EUT Received Status:	Good

Note: 5600-5650 MHz was disabled by manufacturer by software for Canada.

1.1.2 Operation Frequency Detail: For 802.11a/n ht20/ac vht20/ax hew20:

5150-5250MHz Band		5250-5350 MHz Band		5470-5725 MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	52	5260	100	5500	149	5745
40	5200	56	5280	104	5520	153	5765
44	5220	60	5300	108	5540	157	5785
48	5240	64	5320	112	5560	161	5805
/	/	/	/	116	5580	165	5825
/	/	/	/	120	5600	/	/
/	/	/	/	124	5620	/	/
/	/	/	/	128	5640	/	/
/	/	/	/	132	5660	/	/
/	/	/	/	136	5680	/	/
/	/	/	/	140	5700	/	/
/	/	/	/	144	5720	/	/

Per section 15.31(m)/RSS-Gen, the above in bold frequencies were performed the test.
Channel 120-128 were disabled by manufacturer by software for Canada.

For 802.11n ht40/ac vht40/ax hew40:

5150-5250MHz Band		5250-5350 MHz Band		5470-5725 MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	54	5270	102	5510	151	5755
46	5230	62	5310	110	5550	159	5795
/	/	/	/	118	5590	/	/
/	/	/	/	126	5630	/	/
/	/	/	/	134	5670	/	/
/	/	/	/	142	5710	/	/

Per section 15.31(m)/RSS-Gen, the above in bold frequencies were performed the test.
Channel 118-126 were disabled by manufacturer by software for Canada.

Note: Additional channels cross the band 5470-5725MHz and 5725-5850 MHz, Conducted output power/ Power Spectral Density/bandwidth test with the additional channel to compliance with stricter limit of the two bands(5470-5725MHz more stricter).

1.1.3 Antenna Information Detail▲ :

Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
FPC	50	5150~5250MHz	4.6 dBi
		5250-5350 MHz	4.7 dBi
		5470-5725 MHz	4.8 dBi
		5725~5850MHz	3.8 dBi

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:		SocketTool.exe		
The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer ▲:				
5150-5250 MHz Band:				
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11a	Lowest	5180	6Mbps	10
	Middle	5200	6Mbps	10
	Highest	5240	6Mbps	10
802.11n ht20	Lowest	5180	MCS0	10
	Middle	5200	MCS0	10
	Highest	5240	MCS0	10
802.11n ht40	Lowest	5190	MCS0	10
	Highest	5230	MCS0	10
802.11ax hew20	Lowest	5180	MCS0	10
	Middle	5200	MCS0	10
	Highest	5240	MCS0	10
802.11ax hew40	Lowest	5190	MCS0	10
	Highest	5230	MCS0	10
5250-5350 MHz Band:				
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11a	Lowest	5260	6Mbps	11
	Middle	5280	6Mbps	11
	Highest	5320	6Mbps	11
802.11n ht20	Lowest	5260	MCS0	11
	Middle	5280	MCS0	11
	Highest	5320	MCS0	11
802.11n ht40	Lowest	5270	MCS0	10
	Highest	5310	MCS0	10
802.11ax hew20	Lowest	5260	MCS0	11
	Middle	5280	MCS0	11
	Highest	5320	MCS0	11
802.11ax hew40	Lowest	5270	MCS0	10
	Highest	5310	MCS0	10

5470-5725MHz Band:				
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11a	Lowest	5500	6Mbps	10
	Middle	5580	6Mbps	10
	Highest	5700	6Mbps	10
	Cross	5720	6Mbps	10
802.11n ht20	Lowest	5500	MCS0	10
	Middle	5580	MCS0	10
	Highest	5700	MCS0	10
	Cross	5720	MCS0	10
802.11n ht40	Lowest	5510	MCS0	10
	Middle	5550	MCS0	10
	Highest	5670	MCS0	10
	Cross	5710	MCS0	10
802.11ax hew20	Lowest	5500	MCS0	10
	Middle	5580	MCS0	10
	Highest	5700	MCS0	10
	Cross	5720	MCS0	10
802.11ax hew40	Lowest	5510	MCS0	10
	Middle	5550	MCS0	10
	Highest	5670	MCS0	10
	Cross	5710	MCS0	10
5725-5850 MHz Band:				
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11a	Lowest	5745	6Mbps	11
	Middle	5785	6Mbps	11
	Highest	5825	6Mbps	11
802.11n ht20	Lowest	5745	MCS0	11
	Middle	5785	MCS0	11
	Highest	5825	MCS0	11
802.11n ht40	Lowest	5755	MCS0	11
	Highest	5795	MCS0	11
802.11ax hew20	Lowest	5745	MCS0	11
	Middle	5785	MCS0	11
	Highest	5825	MCS0	11
802.11ax hew40	Lowest	5755	MCS0	11
	Highest	5795	MCS0	11
Note:				
The system support 802.11a/n ht20/n ht40/ac vht20/ac vht40/ax hew20/ax hew40, the ac vht20/vht40 were reduced since the identical parameters with 802.11n ht20 and ht40.				
The above 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.				

1.2.2 Support Equipment List and Details

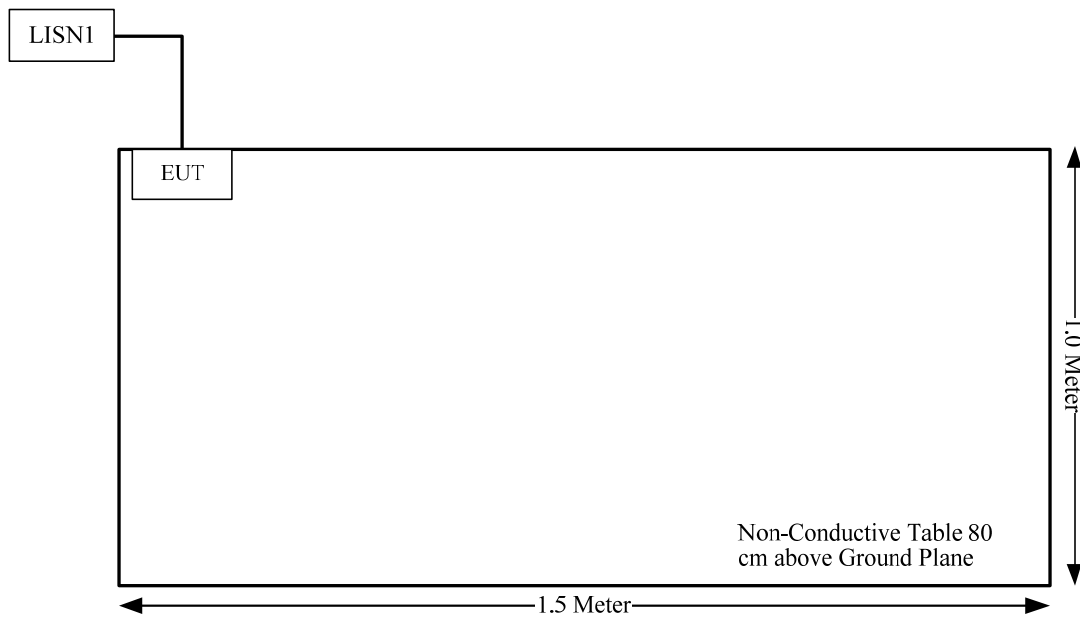
Manufacturer	Description	Model	Serial Number
/	/	/	/

1.2.3 Support Cable List and Details

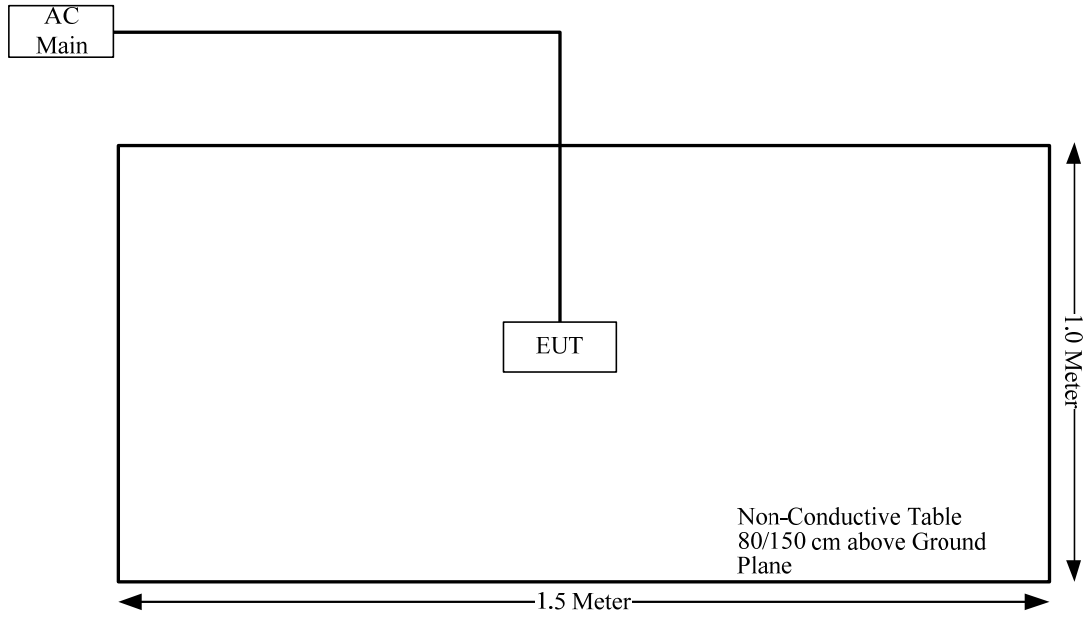
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
/	/	/	/	/	/

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
§1.1310 & §2.1091	RF Exposure	Compliant
RSS-102 Clause 2.5.2	Exemption Limits For Routine Evaluation-RF Exposure Evaluation	Compliant

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, obtaining 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

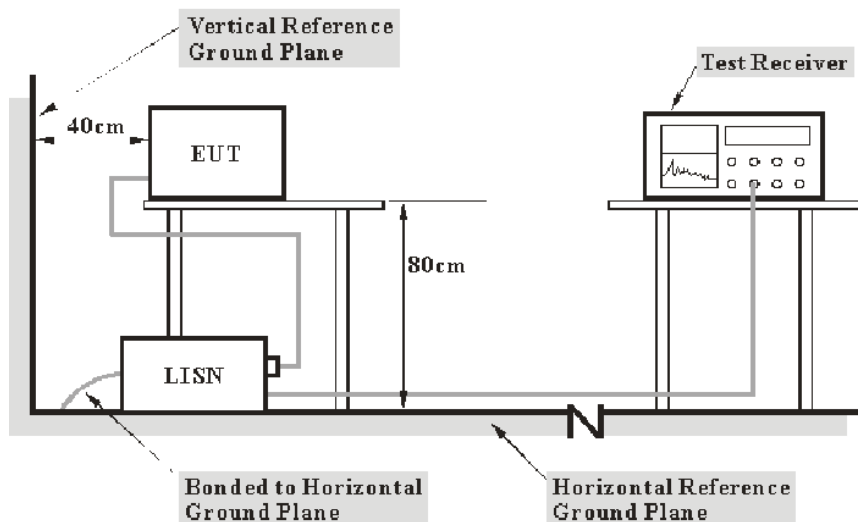
Note 1: The level decreases linearly with the logarithm of the frequency.

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.

Frequency band 5150-5250 MHz:

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.

Frequency band 5250-5350 MHz:

RSS-247 Clause 6.2.2.2

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.

Frequency bands 5470-5600 MHz and 5650-5725 MHz:

RSS-247 Clause 6.2.3.2

Emissions outside the band 5470-5600 MHz and 5650-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p. However, devices with bandwidth overlapping the band edge of 5725 MHz can meet the emission limit of -27 dBm/MHz e.i.r.p. at 5850 MHz instead of 5725 MHz.

Frequency band 5725-5850 MHz

RSS-247 Clause 6.2.4.2

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.

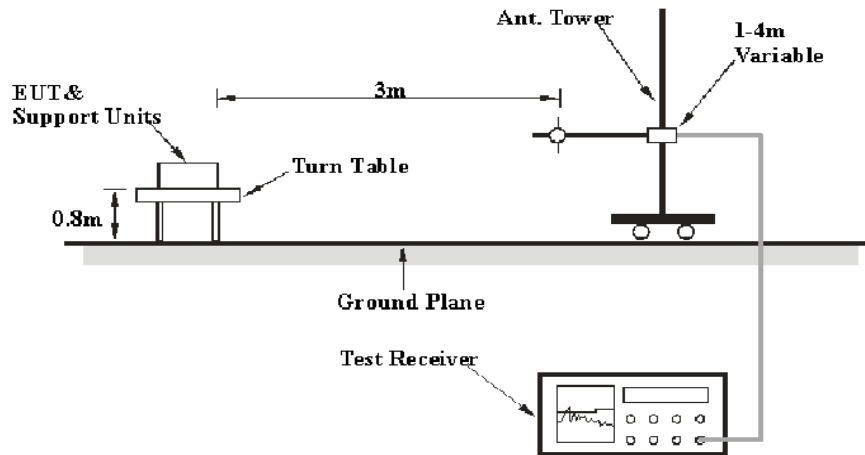
Devices operating in the band 5725-5850 MHz with antenna gain of 10 dBi or less can have unwanted emissions that comply with either the limits in this section or in section 5.5 until April 1, 2018 for certification. Certified devices that do not comply with emission limits in this section shall not be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

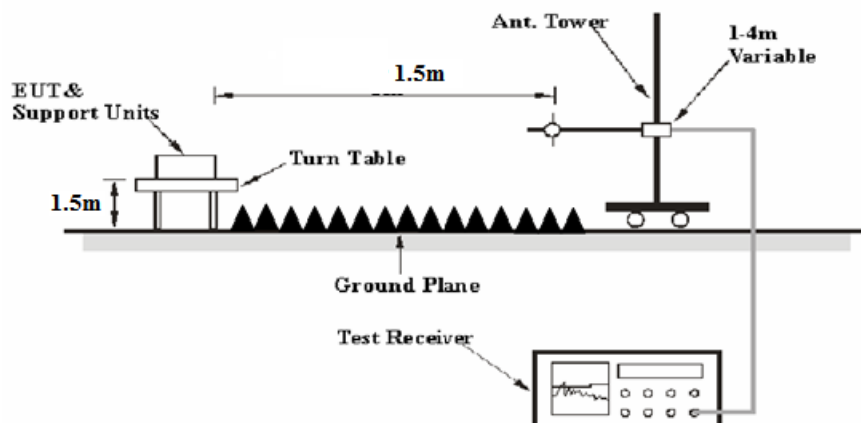
- a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- c) 10 dBm/MHz at 25 MHz above or below the 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%	1MHz	10 Hz
	<98%	1MHz	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: $E [dB\mu V/m] = EIRP[dBm] + 95.2$, 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

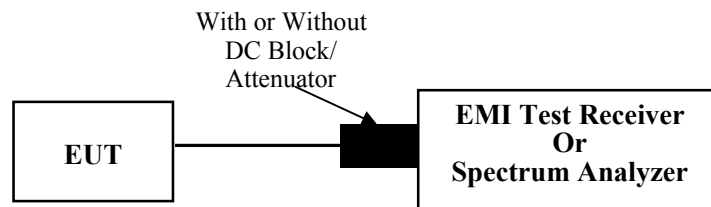
3.3 26dB Attenuated Below The Channel Power

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)

(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 (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.

FCC §15.407 (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.

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 6.2.2.1

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

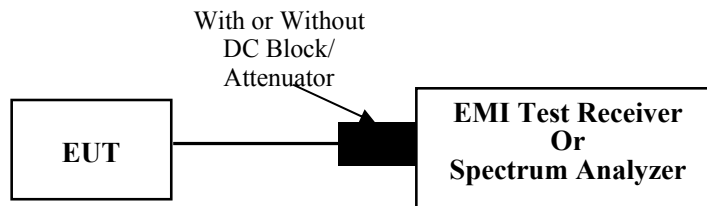
The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

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

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%.

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.

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 $[10 \log (OBW/RBW)]$ 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).

3.5 Maximum Conducted Output Power

3.5.1 Applicable Standard

FCC §15.407(a) (1)

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

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

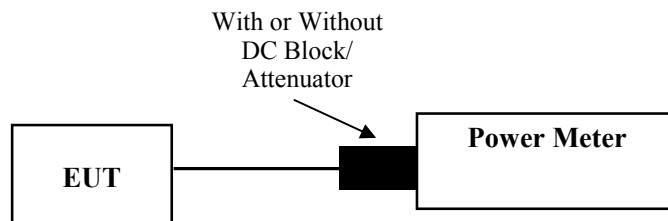
The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10}B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

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)

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

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

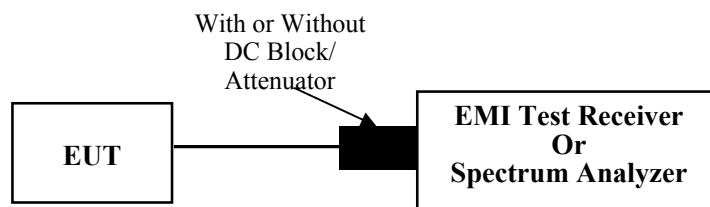
The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10}B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

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 C63.10-2013 Section 12.3.2

Duty cycle $\geq 98\%$

Method SA-1 was used.

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

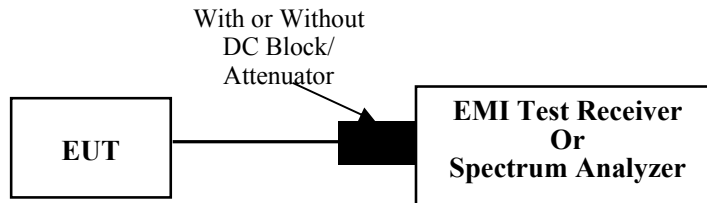
Method SA-2 was used.

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 operates on 5250-5350MHz/5470-5725MHz, the EIRP meet the requirement.
- iii). The antenna permanently attached to the unit, and all the EIPR compliance with RSS-247 requirement. Please refer to the conducted output power test result.
- iv). Compliant, please refer to the antenna information and output power section.

4. Test DATA AND RESULTS

4.1 AC Line Conducted Emissions

Serial Number:	262D-2	Test Date:	2023/05/30
Test Site:	CE	Test Mode:	Transmitting
Tester:	David Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.5	Relative Humidity: (%)	56	ATM Pressure: (kPa)	100.9
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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

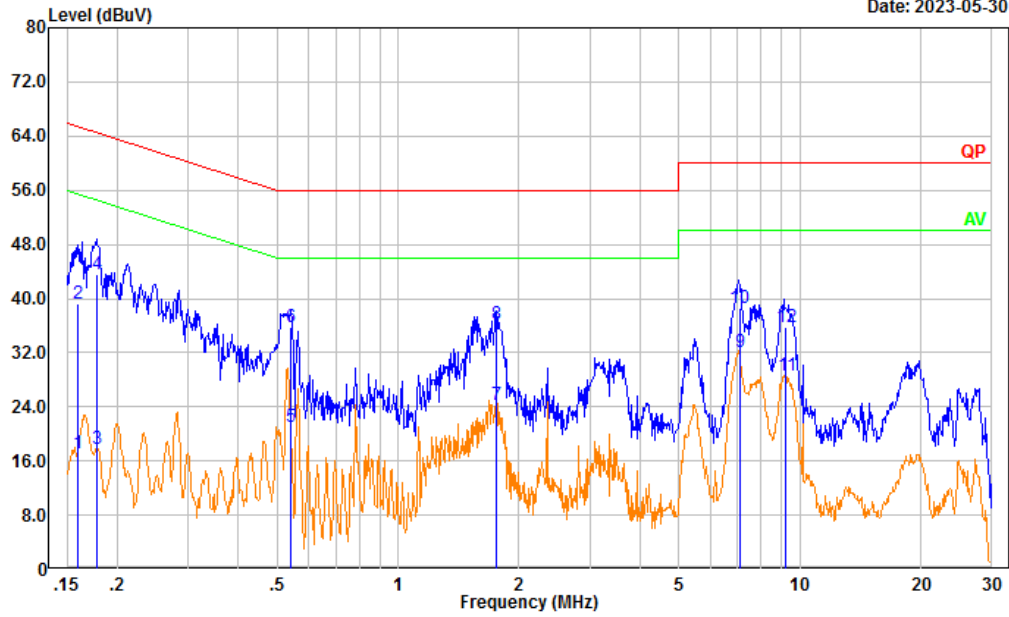
* *Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

Please refer to the below table and plots.

Test Mode: Transmitting
 Port: Line
 Note:

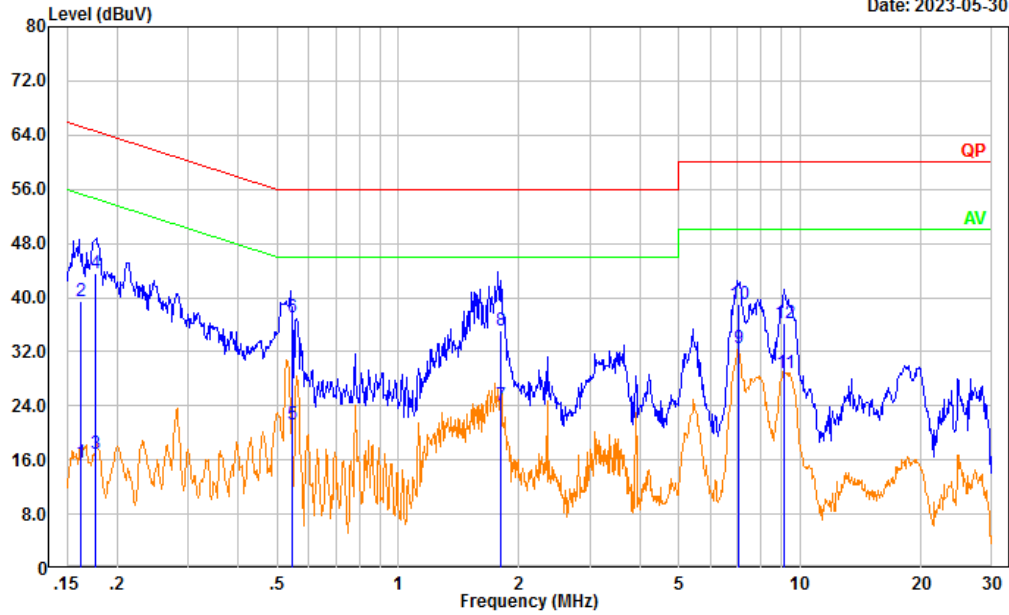
Date: 2023-05-30



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.160	7.42	9.61	17.03	55.47	38.44	Average
2	0.160	29.70	9.61	39.31	65.47	26.16	QP
3	0.178	8.21	9.61	17.82	54.58	36.76	Average
4	0.178	33.86	9.61	43.47	64.58	21.11	QP
5	0.542	11.47	9.61	21.08	46.00	24.92	Average
6	0.542	26.14	9.61	35.75	56.00	20.25	QP
7	1.758	14.61	9.63	24.24	46.00	21.76	Average
8	1.758	26.50	9.63	36.13	56.00	19.87	QP
9	7.069	22.47	9.66	32.13	50.00	17.87	Average
10	7.069	28.85	9.66	38.51	60.00	21.49	QP
11	9.226	19.02	9.67	28.69	50.00	21.31	Average
12	9.226	26.17	9.67	35.84	60.00	24.16	QP

Test Mode: Transmitting
 Port: neutral
 Note:

Date: 2023-05-30



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.162	5.89	9.61	15.50	55.36	39.86	Average
2	0.162	29.77	9.61	39.38	65.36	25.98	QP
3	0.177	7.34	9.61	16.95	54.63	37.68	Average
4	0.177	33.98	9.61	43.59	64.63	21.04	QP
5	0.543	11.61	9.61	21.22	46.00	24.78	Average
6	0.543	27.37	9.61	36.98	56.00	19.02	QP
7	1.794	14.53	9.63	24.16	46.00	21.84	Average
8	1.794	25.51	9.63	35.14	56.00	20.86	QP
9	7.056	22.80	9.66	32.46	50.00	17.54	Average
10	7.056	29.30	9.66	38.96	60.00	21.04	QP
11	9.148	19.08	9.67	28.75	50.00	21.25	Average
12	9.148	26.49	9.67	36.16	60.00	23.84	QP

4.2 Radiation Spurious Emissions

Serial Number:	262D-1	Test Date:	2023/05/30 ~2023/07/05
Test Site:	966-1/966-2	Test Mode:	Transmitting
Tester:	Carl Xue, coco Tian	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.3~27	Relative Humidity: (%)	59~64	ATM Pressure: (kPa)	100~100.3
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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
PASTERNAK	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
PASTERNAK	Horn Antenna	PE9850/2F-20	072001	2021/02/05	2024/02/04

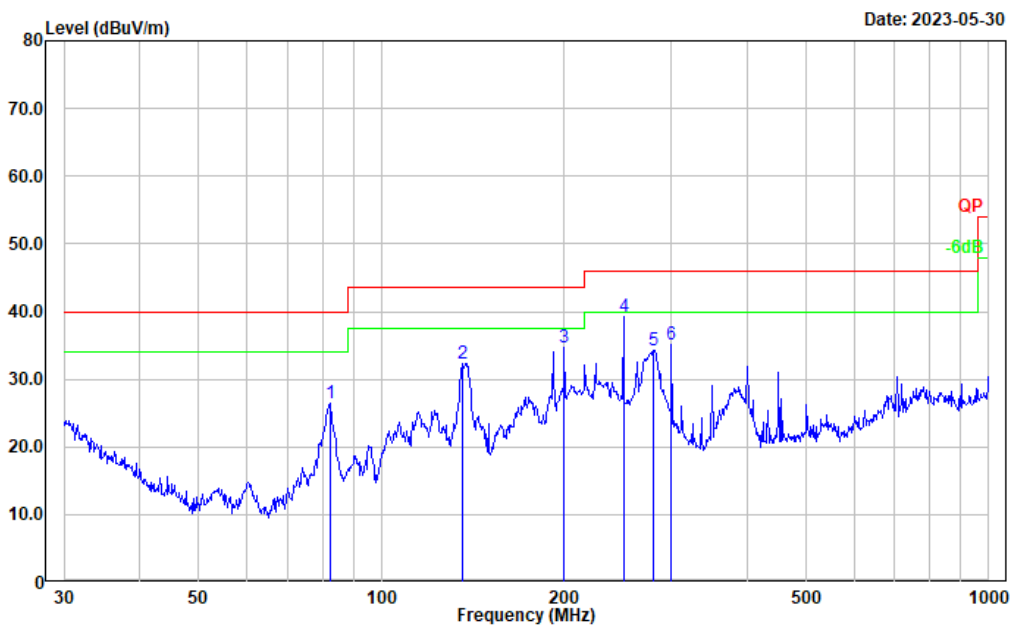
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

Please refer to the below table and plots.

1) 30MHz-1GHz(802.11a 5745MHz was the worst)

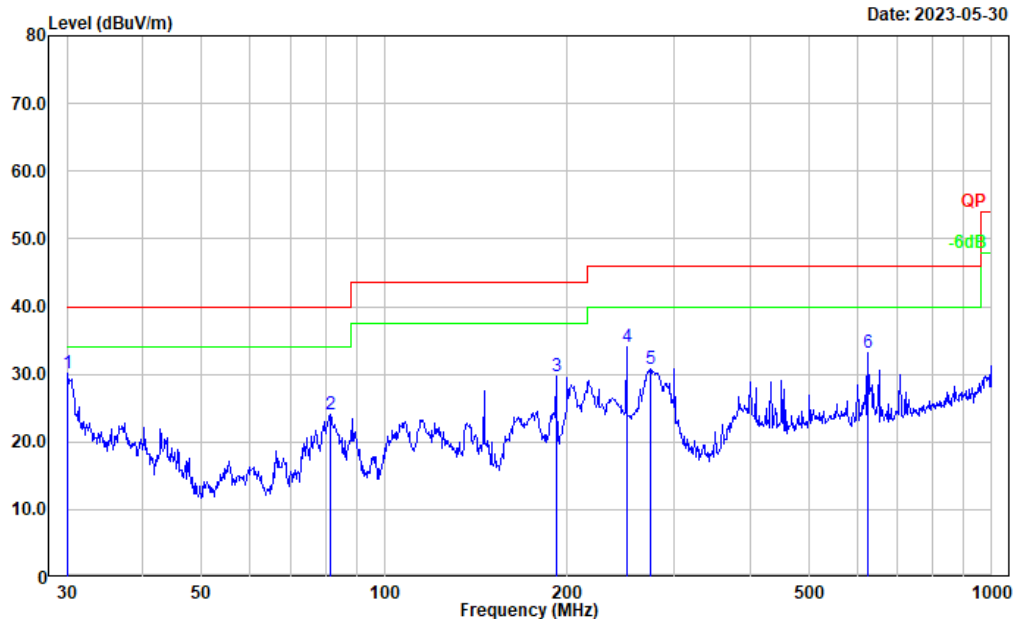
Test Mode: Transmitting
 Polarization: horizontal
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	82.359	43.76	-17.31	26.45	40.00	13.55	Peak
2	135.982	43.95	-11.65	32.30	43.50	11.20	Peak
3	199.986	46.88	-12.21	34.67	43.50	8.83	Peak
4	250.301	52.25	-13.08	39.17	46.00	6.83	Peak
5	280.024	45.90	-11.66	34.24	46.00	11.76	Peak
6	300.367	45.71	-10.63	35.08	46.00	10.92	Peak

Test Mode: Transmitting
 Polarization: vertical
 Note:

Date: 2023-05-30



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.105	33.84	-3.68	30.16	40.00	9.84	Peak
2	81.497	41.53	-17.37	24.16	40.00	15.84	Peak
3	191.745	42.83	-13.21	29.62	43.50	13.88	Peak
4	250.301	47.14	-13.08	34.06	46.00	11.94	Peak
5	274.194	42.81	-11.93	30.88	46.00	15.12	Peak
6	625.078	37.72	-4.60	33.12	46.00	12.88	Peak

2) 1GHz-40GHz:**5150-5250MHz****802.11a:**

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	70.68	PK	H	38.68	103.34	N/A	N/A
5180.000	62.20	AV	H	38.68	94.86	N/A	N/A
5180.000	67.44	PK	V	38.68	100.10	N/A	N/A
5180.000	58.36	AV	V	38.68	91.02	N/A	N/A
5150.000	25.47	PK	H	38.64	58.09	74.00	15.91
5150.000	14.46	AV	H	38.64	47.08	54.00	6.92
10360.000	35.39	PK	H	19.18	48.55	68.20	19.65
15540.000	35.62	PK	H	22.44	52.04	74.00	21.96
15540.000	23.76	AV	H	22.44	40.18	54.00	13.82
4140.000	41.49	PK	H	9.49	44.96	74.00	29.04
4140.000	35.52	AV	H	9.49	38.99	54.00	15.01
6204.000	50.22	PK	H	13.43	57.63	68.20	10.57
4940.000	52.51	PK	H	11.22	57.71	74.00	16.29
4940.000	41.18	AV	H	11.22	46.38	54.00	7.62
Middle Channel: 5200 MHz							
5200.000	73.68	PK	H	38.70	106.36	N/A	N/A
5200.000	64.76	AV	H	38.70	97.44	N/A	N/A
5200.000	71.56	PK	V	38.70	104.24	N/A	N/A
5200.000	62.53	AV	V	38.70	95.21	N/A	N/A
10400.000	45.20	PK	H	19.16	58.34	68.20	9.86
15600.000	37.24	PK	H	22.41	53.63	74.00	20.37
15600.000	25.46	AV	H	22.41	41.85	54.00	12.15
6240.000	50.73	PK	H	13.46	58.17	68.20	10.03
High Channel: 5240 MHz							
5240.000	73.82	PK	H	38.85	106.65	N/A	N/A
5240.000	64.91	AV	H	38.85	97.74	N/A	N/A
5240.000	70.85	PK	V	38.85	103.68	N/A	N/A
5240.000	61.73	AV	V	38.85	94.56	N/A	N/A
5350.000	24.93	PK	H	39.03	57.94	74.00	16.06
5350.000	13.84	AV	H	39.03	46.85	54.00	7.15
10480.000	39.97	PK	H	18.86	52.81	68.20	15.39
15720.000	35.80	PK	H	22.28	52.06	74.00	21.94
15720.000	24.06	AV	H	22.28	40.32	54.00	13.68
4190.000	45.75	PK	H	22.28	62.01	74.00	11.99
4190.000	36.86	AV	H	13.43	44.27	54.00	9.73

802.11n ht20:

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	70.26	PK	H	38.68	102.92	N/A	N/A
5180.000	61.13	AV	H	38.68	93.79	N/A	N/A
5180.000	66.43	PK	V	38.68	99.09	N/A	N/A
5180.000	57.25	AV	V	38.68	89.91	N/A	N/A
5150.000	16.39	PK	H	38.64	49.01	74.00	24.99
5150.000	18.85	AV	H	38.64	51.47	54.00	2.53
10360.000	26.23	PK	H	19.18	39.39	68.20	28.81
15540.000	29.07	PK	H	22.44	45.49	74.00	28.51
15540.000	23.18	AV	H	22.44	39.60	54.00	14.40
6204.000	50.93	PK	H	13.43	58.34	68.20	9.86
Middle Channel: 5200 MHz							
5200.000	70.24	PK	H	38.70	102.92	N/A	N/A
5200.000	61.11	AV	H	38.70	93.79	N/A	N/A
5200.000	66.41	PK	V	38.70	99.09	N/A	N/A
5200.000	57.23	AV	V	38.70	89.91	N/A	N/A
10400.000	35.87	PK	H	19.16	49.01	68.20	19.19
15600.000	35.08	PK	H	22.41	51.47	74.00	22.53
15600.000	23.00	AV	H	22.41	39.39	54.00	14.61
4610.000	41.12	PK	H	10.39	45.49	74.00	28.51
4610.000	35.23	AV	H	10.39	39.60	54.00	14.40
High Channel: 5240 MHz							
5240.000	68.79	PK	H	38.85	101.62	N/A	N/A
5240.000	59.69	AV	H	38.85	92.52	N/A	N/A
5240.000	65.87	PK	V	38.85	98.70	N/A	N/A
5240.000	56.84	AV	V	38.85	89.67	N/A	N/A
5350.000	25.49	PK	H	39.03	58.50	74.00	15.50
5350.000	13.84	AV	H	39.03	46.85	54.00	7.15
10480.000	38.24	PK	H	18.86	51.08	68.20	17.12
15720.000	36.10	PK	H	22.28	52.36	74.00	21.64
15720.000	23.38	AV	H	22.28	39.64	54.00	14.36
6725.000	50.15	PK	H	13.69	57.82	68.20	10.38

802.11n ht40:

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	67.89	PK	H	38.69	100.56	N/A	N/A
5190.000	58.75	AV	H	38.69	91.42	N/A	N/A
5190.000	63.06	PK	V	38.69	95.73	N/A	N/A
5190.000	53.71	AV	V	38.69	86.38	N/A	N/A
5150.000	30.11	PK	H	38.64	62.73	74.00	11.27
5150.000	15.04	AV	H	38.64	47.66	54.00	6.34
10380.000	36.82	PK	H	19.17	49.97	68.20	18.23
15570.000	35.81	PK	H	22.43	52.22	74.00	21.78
15570.000	23.24	AV	H	22.43	39.65	54.00	14.35
6216.000	50.91	PK	H	13.44	58.33	68.20	9.87
High Channel: 5230 MHz							
5230.000	71.31	PK	H	38.81	104.10	N/A	N/A
5230.000	62.24	AV	H	38.81	95.03	N/A	N/A
5230.000	68.55	PK	V	38.81	101.34	N/A	N/A
5230.000	59.50	AV	V	38.81	92.29	N/A	N/A
5350.000	26.00	PK	H	39.03	59.01	74.00	14.99
5350.000	13.82	AV	H	39.03	46.83	54.00	7.17
10460.000	38.02	PK	H	18.94	50.94	68.20	17.26
15690.000	35.47	PK	H	22.29	51.74	74.00	22.26
15690.000	23.52	AV	H	22.29	39.79	54.00	14.21
6264.000	55.19	PK	H	13.45	62.62	68.20	5.58

802.11ax hew20:

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	70.26	PK	H	38.68	102.92	N/A	N/A
5180.000	61.13	AV	H	38.68	93.79	N/A	N/A
5180.000	66.43	PK	V	38.68	99.09	N/A	N/A
5180.000	57.25	AV	V	38.68	89.91	N/A	N/A
5150.000	16.39	PK	H	38.64	49.01	74.00	24.99
5150.000	18.85	AV	H	38.64	51.47	54.00	2.53
10360.000	26.23	PK	H	19.18	39.39	68.20	28.81
15540.000	29.07	PK	H	22.44	45.49	74.00	28.51
15540.000	23.18	AV	H	22.44	39.60	54.00	14.40
6204.000	50.93	PK	H	13.43	58.34	68.20	9.86
Middle Channel: 5200 MHz							
5200.000	78.30	PK	H	38.70	110.98	N/A	N/A
5200.000	67.24	AV	H	38.70	99.92	N/A	N/A
5200.000	74.06	PK	V	38.70	106.74	N/A	N/A
5200.000	62.62	AV	V	38.70	95.30	N/A	N/A
10400.000	44.24	PK	H	19.16	57.38	68.20	10.82
15600.000	38.60	PK	H	22.41	54.99	74.00	19.01
15600.000	26.42	AV	H	22.41	42.81	54.00	11.19
4150.000	46.63	PK	H	9.47	50.08	74.00	23.92
4150.000	35.79	AV	H	9.47	39.24	54.00	14.76
6227.000	53.83	PK	H	13.45	61.26	68.20	6.94
High Channel: 5240 MHz							
5240.000	77.06	PK	H	38.85	109.89	N/A	N/A
5240.000	65.87	AV	H	38.85	98.70	N/A	N/A
5240.000	73.21	PK	V	38.85	106.04	N/A	N/A
5240.000	61.49	AV	V	38.85	94.32	N/A	N/A
5350.000	26.19	PK	H	39.03	59.20	74.00	14.80
5350.000	14.04	AV	H	39.03	47.05	54.00	6.95
10480.000	38.57	PK	H	18.86	51.41	68.20	16.79
15720.000	36.41	PK	H	22.28	52.67	74.00	21.33
15720.000	24.21	AV	H	22.28	40.47	54.00	13.53
4200.000	47.00	PK	H	9.67	50.65	74.00	23.35
4200.000	36.67	AV	H	9.67	40.32	54.00	13.68
6280.000	45.67	PK	H	13.42	53.07	68.20	15.13

802.11ax hew40:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector					
Low Channel: 5190 MHz							
5190.000	71.70	PK	H	38.69	104.37	N/A	N/A
5190.000	59.52	AV	H	38.69	92.19	N/A	N/A
5190.000	67.43	PK	V	38.69	100.10	N/A	N/A
5190.000	54.90	AV	V	38.69	87.57	N/A	N/A
5150.000	33.56	PK	H	38.64	66.18	74.00	7.82
5150.000	15.78	AV	H	38.64	48.40	54.00	5.60
10380.000	36.29	PK	H	19.17	49.44	68.20	18.76
15570.000	36.10	PK	H	22.43	52.51	74.00	21.49
15570.000	24.20	AV	H	22.43	40.61	54.00	13.39
High Channel: 5230 MHz							
5230.000	75.18	PK	H	38.81	107.97	N/A	N/A
5230.000	62.92	AV	H	38.81	95.71	N/A	N/A
5230.000	71.66	PK	V	38.81	104.45	N/A	N/A
5230.000	59.64	AV	V	38.81	92.43	N/A	N/A
5350.000	25.50	PK	H	39.03	58.51	74.00	15.49
5350.000	15.81	AV	H	39.03	48.82	54.00	5.18
10460.000	38.11	PK	H	18.94	51.03	68.20	17.17
15690.000	37.23	PK	H	22.29	53.50	74.00	20.50
15690.000	25.35	AV	H	22.29	41.62	54.00	12.38

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

5250-5350MHz

802.11a

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: 5260MHz							
5260.000	73.41	PK	H	38.90	106.29	N/A	N/A
5260.000	64.58	AV	H	38.90	97.46	N/A	N/A
5260.000	70.76	PK	V	38.90	103.64	N/A	N/A
5260.000	61.91	AV	V	38.90	94.79	N/A	N/A
5150.000	26.11	PK	H	38.64	58.73	74.00	15.27
5150.000	14.81	AV	H	38.64	47.43	54.00	6.57
10520.000	48.59	PK	H	18.93	61.50	68.20	6.70
15780.000	35.40	PK	H	22.26	51.64	74.00	22.36
15780.000	23.36	AV	H	22.26	39.60	54.00	14.40
6300.000	49.11	PK	H	13.39	56.48	68.20	11.72
Middle Channel: 5280 MHz							
5280.000	72.97	PK	H	38.91	105.86	N/A	N/A
5280.000	63.53	AV	H	38.91	96.42	N/A	N/A
5280.000	70.34	PK	V	38.91	103.23	N/A	N/A
5280.000	61.36	AV	V	38.91	94.25	N/A	N/A
10560.000	49.40	PK	H	19.20	62.58	68.20	5.62
15840.000	35.69	PK	H	22.34	52.01	74.00	21.99
15840.000	23.19	AV	H	22.34	39.51	54.00	14.49
6324.000	48.90	PK	H	13.36	56.24	68.20	11.96
High Channel: 5320 MHz							
5320.000	72.82	PK	H	38.97	105.77	N/A	N/A
5320.000	63.82	AV	H	38.97	96.77	N/A	N/A
5320.000	70.27	PK	V	38.97	103.22	N/A	N/A
5320.000	60.87	AV	V	38.97	93.82	N/A	N/A
5350.000	31.60	PK	H	39.03	64.61	74.00	9.39
5350.000	15.71	AV	H	39.03	48.72	54.00	5.28
10640.000	50.42	PK	H	19.50	63.90	74.00	10.10
10640.000	38.09	AV	H	19.50	51.57	54.00	2.43
15960.000	35.82	PK	H	22.22	52.02	74.00	21.98
15960.000	23.31	AV	H	22.22	39.51	54.00	14.49
4250.000	46.77	PK	H	9.72	50.47	74.00	23.53
4250.000	37.82	AV	H	9.72	41.52	54.00	12.48
6372.000	48.14	PK	H	13.43	55.55	68.20	12.65

802.11n ht20:

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: 5260MHz							
5260.000	73.07	PK	H	38.90	105.95	N/A	N/A
5260.000	64.04	AV	H	38.90	96.92	N/A	N/A
5260.000	71.17	PK	V	38.90	104.05	N/A	N/A
5260.000	61.86	AV	V	38.90	94.74	N/A	N/A
5150.000	25.82	PK	H	38.64	58.44	74.00	15.56
5150.000	14.48	AV	H	38.64	47.10	54.00	6.90
10520.000	48.40	PK	H	18.93	61.31	68.20	6.89
15780.000	35.50	PK	H	22.26	51.74	74.00	22.26
15780.000	23.93	AV	H	22.26	40.17	54.00	13.83
6300.000	47.71	PK	H	13.39	55.08	68.20	13.12
Middle Channel: 5280 MHz							
5280.000	73.78	PK	H	38.91	106.67	N/A	N/A
5280.000	64.50	AV	H	38.91	97.39	N/A	N/A
5280.000	71.41	PK	V	38.91	104.30	N/A	N/A
5280.000	62.34	AV	V	38.91	95.23	N/A	N/A
10560.000	48.77	PK	H	19.20	61.95	68.20	6.25
15840.000	35.71	PK	H	22.34	52.03	74.00	21.97
15840.000	23.28	AV	H	22.34	39.60	54.00	14.40
High Channel: 5320 MHz							
5320.000	72.70	PK	H	38.97	105.65	N/A	N/A
5320.000	63.86	AV	H	38.97	96.81	N/A	N/A
5320.000	70.72	PK	V	38.97	103.67	N/A	N/A
5320.000	61.67	AV	V	38.97	94.62	N/A	N/A
5350.000	32.63	PK	H	39.03	65.64	74.00	8.36
5350.000	15.80	AV	H	39.03	48.81	54.00	5.19
10640.000	49.82	PK	H	19.50	63.30	74.00	10.70
10640.000	37.42	AV	H	19.50	50.90	54.00	3.10
15960.000	35.76	PK	H	22.22	51.96	74.00	22.04
15960.000	23.85	AV	H	22.22	40.05	54.00	13.95
4273.000	49.51	PK	H	9.69	53.18	74.00	20.82
4273.000	40.51	AV	H	9.69	44.18	54.00	9.82
6372.000	47.84	PK	H	13.43	55.25	68.20	12.95

802.11n ht40:

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: 5270 MHz							
5270.000	70.35	PK	H	38.91	103.24	N/A	N/A
5270.000	61.38	AV	H	38.91	94.27	N/A	N/A
5270.000	67.60	PK	V	38.91	100.49	N/A	N/A
5270.000	58.38	AV	V	38.91	91.27	N/A	N/A
5150.000	26.11	PK	H	38.64	58.73	74.00	15.27
5150.000	16.05	AV	H	38.64	48.67	54.00	5.33
10540.000	42.87	PK	H	19.07	55.92	68.20	12.28
15810.000	36.30	PK	H	22.28	52.56	74.00	21.44
15810.000	24.27	AV	H	22.28	40.53	54.00	13.47
4230.000	48.11	PK	H	9.70	51.79	74.00	22.21
4230.000	39.25	AV	H	9.70	42.93	54.00	11.07
High Channel: 5310 MHz							
5310.000	64.95	PK	H	38.95	97.88	N/A	N/A
5310.000	56.24	AV	H	38.95	89.17	N/A	N/A
5310.000	62.87	PK	V	38.95	95.80	N/A	N/A
5310.000	53.69	AV	V	38.95	86.62	N/A	N/A
5350.000	25.14	PK	H	39.03	58.15	74.00	15.85
5350.000	14.89	AV	H	39.03	47.90	54.00	6.10
10620.000	43.92	PK	H	19.49	57.39	74.00	16.61
10620.000	30.84	AV	H	19.49	44.31	54.00	9.69
15930.000	36.81	PK	H	22.33	53.12	74.00	20.88
15930.000	24.84	AV	H	22.33	41.15	54.00	12.85

802.11ax hew20:

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: 5260MHz							
5260.000	71.96	PK	H	38.90	104.84	N/A	N/A
5260.000	60.35	AV	H	38.90	93.23	N/A	N/A
5260.000	67.93	PK	V	38.90	100.81	N/A	N/A
5260.000	56.55	AV	V	38.90	89.43	N/A	N/A
5150.000	27.13	PK	H	38.64	59.75	74.00	14.25
5150.000	15.33	AV	H	38.64	47.95	54.00	6.05
10520.000	45.02	PK	H	18.93	57.93	68.20	10.27
15780.000	38.06	PK	H	22.26	54.30	74.00	19.70
15780.000	25.20	AV	H	22.26	41.44	54.00	12.56
Middle Channel: 5280 MHz							
5280.000	71.55	PK	H	38.91	104.44	N/A	N/A
5280.000	60.30	AV	H	38.91	93.19	N/A	N/A
5280.000	67.26	PK	V	38.91	100.15	N/A	N/A
5280.000	55.41	AV	V	38.91	88.30	N/A	N/A
10560.000	45.46	PK	H	19.20	58.64	68.20	9.56
15840.000	35.88	PK	H	22.34	52.20	74.00	21.80
15840.000	23.93	AV	H	22.34	40.25	54.00	13.75
High Channel: 5320 MHz							
5320.000	70.74	PK	H	38.97	103.69	N/A	N/A
5320.000	59.63	AV	H	38.97	92.58	N/A	N/A
5320.000	67.32	PK	V	38.97	100.27	N/A	N/A
5320.000	56.39	AV	V	38.97	89.34	N/A	N/A
5350.000	25.71	PK	H	39.03	58.72	74.00	15.28
5350.000	14.87	AV	H	39.03	47.88	54.00	6.12
10640.000	47.54	PK	H	19.50	61.02	74.00	12.98
10640.000	37.10	AV	H	19.50	50.58	54.00	3.42
15960.000	35.93	PK	H	22.22	52.13	74.00	21.87
15960.000	25.02	AV	H	22.22	41.22	54.00	12.78
4260.000	48.50	PK	H	9.71	52.19	74.00	21.81
4260.000	38.00	AV	H	9.71	41.69	54.00	12.31

802.11ax hew40:

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: 5270 MHz							
5270.000	72.75	PK	H	38.91	105.64	N/A	N/A
5270.000	61.30	AV	H	38.91	94.19	N/A	N/A
5270.000	70.14	PK	V	38.91	103.03	N/A	N/A
5270.000	58.43	AV	V	38.91	91.32	N/A	N/A
5150.000	27.02	PK	H	38.64	59.64	74.00	14.36
5150.000	15.75	AV	H	38.64	48.37	54.00	5.63
10540.000	42.52	PK	H	19.07	55.57	68.20	12.63
15810.000	36.49	PK	H	22.28	52.75	74.00	21.25
15810.000	24.81	AV	H	22.28	41.07	54.00	12.93
High Channel: 5310 MHz							
5310.000	67.64	PK	H	38.95	100.57	N/A	N/A
5310.000	56.31	AV	H	38.95	89.24	N/A	N/A
5310.000	64.84	PK	V	38.95	97.77	N/A	N/A
5310.000	53.41	AV	V	38.95	86.34	N/A	N/A
5350.000	26.70	PK	H	39.03	59.71	74.00	14.29
5350.000	16.00	AV	H	39.03	49.01	54.00	4.99
10620.000	39.17	PK	H	19.49	52.64	74.00	21.36
10620.000	27.73	AV	H	19.49	41.20	54.00	12.80
15930.000	36.63	PK	H	22.33	52.94	74.00	21.06
15930.000	24.89	AV	H	22.33	41.20	54.00	12.80

Note:

Result = Reading + Factor- Distance extrapolation Factor

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

5470-5725MHz:**802.11a**

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: 5500MHz							
5500.000	75.04	PK	H	39.32	108.34	N/A	N/A
5500.000	66.11	AV	H	39.32	99.41	N/A	N/A
5500.000	72.68	PK	V	39.32	105.98	N/A	N/A
5500.000	63.70	AV	V	39.32	97.00	N/A	N/A
5470.000	33.31	PK	H	39.27	66.56	68.20	1.64
11000.000	51.65	PK	H	19.83	65.46	74.00	8.54
11000.000	39.16	AV	H	19.83	52.97	54.00	1.03
16500.000	32.82	PK	H	22.73	49.53	68.20	18.67
Middle Channel: 5580 MHz							
5580.000	73.35	PK	H	39.43	106.76	N/A	N/A
5580.000	64.69	AV	H	39.43	98.10	N/A	N/A
5580.000	69.98	PK	V	39.43	103.39	N/A	N/A
5580.000	60.72	AV	V	39.43	94.13	N/A	N/A
11160.000	50.14	PK	H	19.97	64.09	74.00	9.91
11160.000	38.97	AV	H	19.97	52.92	54.00	1.08
16740.000	32.69	PK	H	23.68	50.35	68.20	17.85
High Channel: 5700 MHz							
5700.000	68.85	PK	H	39.51	102.34	N/A	N/A
5700.000	59.66	AV	H	39.51	93.15	N/A	N/A
5700.000	64.10	PK	V	39.51	97.59	N/A	N/A
5700.000	54.73	AV	V	39.51	88.22	N/A	N/A
5725.000	25.75	PK	H	39.48	59.21	68.2	8.99
11400.000	39.63	PK	H	20.93	54.54	74.00	19.46
11400.000	27.88	AV	H	20.93	42.79	54.00	11.21
17100.000	27.90	PK	H	26.19	48.07	68.20	20.13

802.11n ht20:

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: 5500MHz							
5500.000	69.56	PK	H	39.32	102.86	N/A	N/A
5500.000	60.80	AV	H	39.32	94.10	N/A	N/A
5500.000	65.77	PK	V	39.32	99.07	N/A	N/A
5500.000	56.56	AV	V	39.32	89.86	N/A	N/A
5470.000	25.69	PK	H	39.27	58.94	68.20	9.26
11000.000	45.51	PK	H	19.83	59.32	74.00	14.68
11000.000	33.43	AV	H	19.83	47.24	54.00	6.76
16500.000	32.00	PK	H	22.73	48.71	68.20	19.49
4400.000	44.36	PK	H	9.84	48.18	74.00	25.82
4400.000	40.26	AV	H	9.84	44.08	54.00	9.92
Middle Channel: 5580 MHz							
5580.000	74.15	PK	H	39.43	107.56	N/A	N/A
5580.000	64.96	AV	H	39.43	98.37	N/A	N/A
5580.000	70.29	PK	V	39.43	103.70	N/A	N/A
5580.000	60.25	AV	V	39.43	93.66	N/A	N/A
11160.000	50.33	PK	H	19.97	64.28	74.00	9.72
11160.000	39.48	AV	H	19.97	53.43	54.00	0.57
16740.000	48.75	PK	H	23.68	66.41	68.20	1.79
High Channel: 5700 MHz							
5700.000	67.94	PK	H	39.51	101.43	N/A	N/A
5700.000	58.71	AV	H	39.51	92.20	N/A	N/A
5700.000	62.60	PK	V	39.51	96.09	N/A	N/A
5700.000	53.59	AV	V	39.51	87.08	N/A	N/A
5725.000	25.51	PK	H	39.48	58.97	68.20	9.23
11400.000	38.95	PK	H	20.93	53.86	74.00	20.14
11400.000	27.52	AV	H	20.93	42.43	54.00	11.57
17100.000	27.60	PK	H	26.19	47.77	68.20	20.43
4570.000	40.57	PK	H	10.24	44.79	74.00	29.21
4570.000	40.42	AV	H	10.24	44.64	54.00	9.36

802.11n ht40:

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: 5510 MHz							
5510.000	66.27	PK	H	39.35	99.60	N/A	N/A
5510.000	56.50	AV	H	39.35	89.83	N/A	N/A
5510.000	62.94	PK	V	39.35	96.27	N/A	N/A
5510.000	53.30	AV	V	39.35	86.63	N/A	N/A
5470.000	26.30	PK	H	39.27	59.55	68.20	8.65
11020.000	44.34	PK	H	19.85	58.17	74.00	15.83
11020.000	31.38	AV	H	19.85	45.21	54.00	8.79
16530.000	32.68	PK	H	23.02	49.68	68.20	18.52
4390.000	41.53	PK	H	9.83	45.34	74.00	28.66
Middle Channel: 5550 MHz							
5550.000	70.58	PK	H	39.46	104.02	N/A	N/A
5550.000	60.52	AV	H	39.46	93.96	N/A	N/A
5550.000	66.75	PK	V	39.46	100.19	N/A	N/A
5550.000	56.93	AV	V	39.46	90.37	N/A	N/A
11100.000	48.12	PK	H	19.95	62.05	74.00	11.95
11100.000	37.14	AV	H	19.95	51.07	54.00	2.93
16650.000	28.41	PK	H	23.65	46.04	68.20	22.16
High Channel: 5670 MHz							
5670.000	70.76	PK	H	39.50	104.24	N/A	N/A
5670.000	61.33	AV	H	39.50	94.81	N/A	N/A
5670.000	65.56	PK	V	39.50	99.04	N/A	N/A
5670.000	56.44	AV	V	39.50	89.92	N/A	N/A
5725.000	29.52	PK	H	39.48	62.98	68.20	5.22
11340.000	46.46	PK	H	20.77	61.21	74.00	12.79
11340.000	32.96	AV	H	20.77	47.71	54.00	6.29
17010.000	27.54	PK	H	25.56	47.08	68.20	21.12
4553.000	47.07	PK	H	10.17	51.22	74.00	22.78

802.11ax hew20:

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: 5500MHz							
5500.000	71.13	PK	H	39.32	104.43	N/A	N/A
5500.000	59.67	AV	H	39.32	92.97	N/A	N/A
5500.000	68.43	PK	V	39.32	101.73	N/A	N/A
5500.000	57.58	AV	V	39.32	90.88	N/A	N/A
5470.000	25.47	PK	H	39.27	58.72	68.20	9.48
11000.000	50.67	PK	H	19.83	64.48	74.00	9.52
11000.000	38.88	AV	H	19.83	52.69	54.00	1.31
16500.000	33.55	PK	H	22.73	50.26	68.20	17.94
4110.000	50.12	PK	H	9.55	53.65	74.00	20.35
Middle Channel: 5580 MHz							
5580.000	77.12	PK	H	39.43	110.53	N/A	N/A
5580.000	67.63	AV	H	39.43	101.04	N/A	N/A
5580.000	71.69	PK	V	39.43	105.10	N/A	N/A
5580.000	61.66	AV	V	39.43	95.07	N/A	N/A
11160.000	50.22	PK	H	19.97	64.17	74.00	9.83
11160.000	38.47	AV	H	19.97	52.42	54.00	1.58
16740.000	30.01	PK	H	23.68	47.67	68.20	20.53
High Channel: 5700 MHz							
5700.000	70.33	PK	H	39.51	103.82	N/A	N/A
5700.000	58.86	AV	H	39.51	92.35	N/A	N/A
5700.000	65.47	PK	V	39.51	98.96	N/A	N/A
5700.000	54.24	AV	V	39.51	87.73	N/A	N/A
5725.000	26.24	PK	H	39.48	59.70	68.20	8.50
11400.000	40.04	PK	H	20.93	54.95	74.00	19.05
11400.000	26.35	AV	H	20.93	41.26	54.00	12.74
17100.000	31.20	PK	H	26.19	51.37	68.20	16.83
4570.000	41.66	PK	H	10.24	45.88	74.00	28.12

802.11ax hew40:

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: 5510 MHz							
5510.000	69.14	PK	H	39.35	102.47	N/A	N/A
5510.000	57.30	AV	H	39.35	90.63	N/A	N/A
5510.000	67.03	PK	V	39.35	100.36	N/A	N/A
5510.000	55.27	AV	V	39.35	88.60	N/A	N/A
5470.000	25.97	PK	H	39.27	59.22	68.20	8.98
11020.000	42.90	PK	H	19.85	56.73	74.00	17.27
11020.000	29.70	AV	H	19.85	43.53	54.00	10.47
16530.000	33.08	PK	H	23.02	50.08	68.20	18.12
4390.000	46.51	PK	H	9.83	50.32	74.00	23.68
Middle Channel: 5550 MHz							
5550.000	73.28	PK	H	39.46	106.72	N/A	N/A
5550.000	62.37	AV	H	39.46	95.81	N/A	N/A
5550.000	70.14	PK	V	39.46	103.58	N/A	N/A
5550.000	59.98	AV	V	39.46	93.42	N/A	N/A
11100.000	41.36	PK	H	19.95	55.29	74.00	18.71
11100.000	31.69	AV	H	19.95	45.62	54.00	8.38
16650.000	28.36	PK	H	23.65	45.99	68.20	22.21
High Channel: 5670 MHz							
5670.000	73.51	PK	H	39.50	106.99	N/A	N/A
5670.000	62.11	AV	H	39.50	95.59	N/A	N/A
5670.000	69.17	PK	V	39.50	102.65	N/A	N/A
5670.000	57.27	AV	V	39.50	90.75	N/A	N/A
5725.000	29.66	PK	H	39.48	63.12	68.20	5.08
11340.000	38.82	PK	H	20.77	53.57	74.00	20.43
11340.000	26.70	AV	H	20.77	41.45	54.00	12.55
17010.000	25.89	PK	H	25.56	45.43	68.20	22.77
4518.000	50.51	PK	H	10.06	54.55	74.00	19.45

Note:

Result = Reading + Factor- Distance extrapolation Factor

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

5725-5850MHz:**802.11a:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector					
Low Channel: 5745MHz							
5745.000	71.68	PK	H	39.46	105.12	N/A	N/A
5745.000	62.19	AV	H	39.46	95.63	N/A	N/A
5745.000	67.95	PK	V	39.46	101.39	N/A	N/A
5745.000	58.45	AV	V	39.46	91.89	N/A	N/A
5725.000	37.82	PK	H	39.48	71.28	122.20	50.92
5720.000	35.04	PK	H	39.49	68.51	110.80	42.29
5700.000	26.55	PK	H	39.51	60.04	105.20	45.16
5650.000	26.13	PK	H	39.49	59.60	68.20	8.60
11490.000	46.39	PK	H	20.67	61.04	74.00	12.96
11490.000	34.23	AV	H	20.67	48.88	54.00	5.12
17235.000	35.44	PK	H	26.76	56.18	68.20	12.02
4600.000	45.52	PK	H	10.37	49.87	74.00	24.13
4600.000	43.37	AV	H	10.37	47.72	54.00	6.28
Middle Channel: 5785 MHz							
5785.000	70.53	PK	H	39.44	103.95	N/A	N/A
5785.000	61.60	AV	H	39.44	95.02	N/A	N/A
5785.000	68.06	PK	V	39.44	101.48	N/A	N/A
5785.000	58.84	AV	V	39.44	92.26	N/A	N/A
11570.000	45.49	PK	H	20.83	60.30	74.00	13.70
11570.000	33.08	AV	H	20.83	47.89	54.00	6.11
17355.000	36.65	PK	H	27.74	58.37	68.20	9.83
4630.000	46.94	PK	V	10.44	51.36	74.00	22.64
4630.000	44.04	AV	V	10.44	48.46	54.00	5.54
High Channel: 5825 MHz							
5825.000	69.63	PK	H	39.46	103.07	N/A	N/A
5825.000	60.72	AV	H	39.46	94.16	N/A	N/A
5825.000	68.88	PK	V	39.46	102.32	N/A	N/A
5825.000	59.69	AV	V	39.46	93.13	N/A	N/A
5850.000	32.34	PK	H	39.49	65.81	122.20	56.39
5855.000	28.03	PK	H	39.51	61.52	110.80	49.28
5875.000	26.42	PK	H	39.60	60.00	105.20	45.20
5925.000	25.56	PK	H	39.68	59.22	68.20	8.98
11650.000	44.36	PK	H	21.07	59.41	74.00	14.59
11650.000	31.42	AV	H	21.07	46.47	54.00	7.53
17475.000	37.92	PK	H	28.61	60.51	68.20	7.69
4600.000	49.55	PK	H	10.37	53.90	74.00	20.10
4600.000	46.29	AV	H	10.37	50.64	54.00	3.36

802.11n ht20:

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	70.28	PK	H	39.46	103.72	N/A	N/A
5745.000	61.37	AV	H	39.46	94.81	N/A	N/A
5745.000	67.21	PK	V	39.46	100.65	N/A	N/A
5745.000	58.32	AV	V	39.46	91.76	N/A	N/A
5725.000	35.26	PK	H	39.48	68.72	122.20	53.48
5720.000	31.67	PK	H	39.49	65.14	110.80	45.66
5700.000	25.38	PK	H	39.51	58.87	105.20	46.33
5650.000	26.46	PK	H	39.49	59.93	68.20	8.27
11490.000	46.05	PK	H	20.67	60.70	74.00	13.30
11490.000	32.81	AV	H	20.67	47.46	54.00	6.54
17235.000	35.43	PK	H	26.76	56.17	68.20	12.03
4600.000	45.92	PK	H	10.37	50.27	74.00	23.73
4600.000	43.04	AV	H	10.37	47.39	54.00	6.61
Middle Channel: 5785 MHz							
5785.000	67.53	PK	H	39.44	100.95	N/A	N/A
5785.000	59.45	AV	H	39.44	92.87	N/A	N/A
5785.000	66.36	PK	V	39.44	99.78	N/A	N/A
5785.000	57.27	AV	V	39.44	90.69	N/A	N/A
11570.000	45.58	PK	H	20.83	60.39	74.00	13.61
11570.000	32.61	AV	H	20.83	47.42	54.00	6.58
17355.000	35.70	PK	H	27.74	57.42	68.20	10.78
4630.000	45.92	PK	V	10.44	50.34	74.00	23.66
4630.000	43.52	AV	V	10.44	47.94	54.00	6.06
High Channel: 5825 MHz							
5825.000	70.13	PK	H	39.46	103.57	N/A	N/A
5825.000	61.07	AV	H	39.46	94.51	N/A	N/A
5825.000	66.72	PK	V	39.46	100.16	N/A	N/A
5825.000	57.63	AV	V	39.46	91.07	N/A	N/A
5850.000	28.54	PK	H	39.49	62.01	122.20	60.19
5855.000	26.13	PK	H	39.51	59.62	110.80	51.18
5875.000	25.31	PK	H	39.60	58.89	105.20	46.31
5925.000	25.84	PK	H	39.68	59.50	68.20	8.70
11650.000	42.33	PK	H	21.07	57.38	74.00	16.62
11650.000	31.26	AV	H	21.07	46.31	54.00	7.69
17475.000	38.54	PK	H	28.61	61.13	68.20	7.07
4660.000	47.57	PK	H	10.49	52.04	74.00	21.96
4660.000	44.44	AV	H	10.49	48.91	54.00	5.09

802.11n ht40:

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	67.32	PK	H	39.45	100.75	N/A	N/A
5755.000	58.19	AV	H	39.45	91.62	N/A	N/A
5755.000	64.76	PK	V	39.45	98.19	N/A	N/A
5755.000	55.17	AV	V	39.45	88.60	N/A	N/A
5725.000	37.89	PK	H	39.48	71.35	122.20	50.85
5720.000	30.37	PK	H	39.49	63.84	110.80	46.96
5700.000	26.83	PK	H	39.51	60.32	105.20	44.88
5650.000	25.32	PK	H	39.49	58.79	68.20	9.41
11510.000	42.34	PK	H	20.67	56.99	74.00	17.01
11510.000	30.01	AV	H	20.67	44.66	54.00	9.34
17265.000	36.09	PK	H	26.94	57.01	68.20	11.19
4260.000	50.97	PK	H	9.71	54.66	74.00	19.34
4260.000	42.17	AV	H	9.71	45.86	54.00	8.14
High Channel: 5795 MHz							
5795.000	67.13	PK	H	39.43	100.54	N/A	N/A
5795.000	58.25	AV	H	39.43	91.66	N/A	N/A
5795.000	64.24	PK	V	39.43	97.65	N/A	N/A
5795.000	54.78	AV	V	39.43	88.19	N/A	N/A
5850.000	27.23	PK	H	39.49	60.70	122.20	61.50
5855.000	27.08	PK	H	39.51	60.57	110.80	50.23
5875.000	26.01	PK	H	39.60	59.59	105.20	45.61
5925.000	23.99	PK	H	39.68	57.65	68.20	10.55
11590.000	42.05	PK	H	20.88	56.91	74.00	17.09
11590.000	29.60	AV	H	20.88	44.46	54.00	9.54
17385.000	36.01	PK	H	28.07	58.06	68.20	10.14
4620.000	49.28	PK	H	10.41	53.67	74.00	20.33
4620.000	43.16	AV	H	10.41	47.55	54.00	6.45

802.11ax hew20:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5745MHz							
5745.000	73.01	PK	H	39.46	106.45	N/A	N/A
5745.000	60.19	AV	H	39.46	93.63	N/A	N/A
5745.000	69.49	PK	V	39.46	102.93	N/A	N/A
5745.000	58.26	AV	V	39.46	91.70	N/A	N/A
5725.000	36.78	PK	H	39.48	70.24	122.20	51.96
5720.000	32.89	PK	H	39.49	66.36	110.80	44.44
5700.000	25.43	PK	H	39.51	58.92	105.20	46.28
5650.000	25.39	PK	H	39.49	58.86	68.20	9.34
11490.000	45.12	PK	H	20.67	59.77	74.00	14.23
11490.000	31.97	AV	H	20.67	46.62	54.00	7.38
17235.000	35.24	PK	H	26.76	55.98	68.20	12.22
4600.000	47.37	PK	H	10.37	51.72	74.00	22.28
4600.000	41.44	AV	H	10.37	45.79	54.00	8.21
Middle Channel: 5785 MHz							
5785.000	70.93	PK	H	39.44	104.35	N/A	N/A
5785.000	59.14	AV	H	39.44	92.56	N/A	N/A
5785.000	69.40	PK	V	39.44	102.82	N/A	N/A
5785.000	56.74	AV	V	39.44	90.16	N/A	N/A
11570.000	44.56	PK	H	20.83	59.37	74.00	14.63
11570.000	31.49	AV	H	20.83	46.30	54.00	7.70
17355.000	36.00	PK	H	27.74	57.72	68.20	10.48
4630.000	48.27	PK	V	10.44	52.69	74.00	21.31
4630.000	42.15	AV	V	10.44	46.57	54.00	7.43
High Channel: 5825 MHz							
5825.000	71.66	PK	H	39.46	105.10	N/A	N/A
5825.000	59.74	AV	H	39.46	93.18	N/A	N/A
5825.000	68.32	PK	V	39.46	101.76	N/A	N/A
5825.000	56.53	AV	V	39.46	89.97	N/A	N/A
5850.000	30.50	PK	H	39.49	63.97	122.20	58.23
5855.000	27.50	PK	H	39.51	60.99	110.80	49.81
5875.000	24.96	PK	H	39.60	58.54	105.20	46.66
5925.000	25.08	PK	H	39.68	58.74	68.20	9.46
11650.000	43.82	PK	H	21.07	58.87	74.00	15.13
11650.000	30.99	AV	H	21.07	46.04	54.00	7.96
17475.000	37.46	PK	H	28.61	60.05	68.20	8.15
4660.000	49.05	PK	H	10.49	53.52	74.00	20.48
4660.000	43.78	AV	H	10.49	48.25	54.00	5.75

802.11ax hew40:

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	69.13	PK	H	39.45	102.56	N/A	N/A
5755.000	56.71	AV	H	39.45	90.14	N/A	N/A
5755.000	67.04	PK	V	39.45	100.47	N/A	N/A
5755.000	54.59	AV	V	39.45	88.02	N/A	N/A
5725.000	35.86	PK	H	39.48	69.32	122.20	52.88
5720.000	28.88	PK	H	39.49	62.35	110.80	48.45
5700.000	25.74	PK	H	39.51	59.23	105.20	45.97
5650.000	25.43	PK	H	39.49	58.90	68.20	9.30
11510.000	42.78	PK	H	20.67	57.43	74.00	16.57
11510.000	30.21	AV	H	20.67	44.86	54.00	9.14
17265.000	36.48	PK	H	26.94	57.40	68.20	10.80
4260.000	50.97	PK	H	9.71	54.66	74.00	19.34
4260.000	40.24	AV	H	9.71	43.93	54.00	10.07
High Channel: 5795 MHz							
5795.000	69.06	PK	H	39.43	102.47	N/A	N/A
5795.000	56.75	AV	H	39.43	90.16	N/A	N/A
5795.000	66.83	PK	V	39.43	100.24	N/A	N/A
5795.000	54.15	AV	V	39.43	87.56	N/A	N/A
5850.000	26.39	PK	H	39.49	59.86	122.20	62.34
5855.000	25.69	PK	H	39.51	59.18	110.80	51.62
5875.000	26.06	PK	H	39.60	59.64	105.20	45.56
5925.000	25.83	PK	H	39.68	59.49	68.20	8.71
11590.000	41.53	PK	H	20.88	56.39	74.00	17.61
11590.000	30.12	AV	H	20.88	44.98	54.00	9.02
17385.000	36.49	PK	H	28.07	58.54	68.20	9.66
4620.000	52.17	PK	H	10.41	56.56	74.00	17.44
4620.000	41.98	AV	H	10.41	46.37	54.00	7.63

Note:

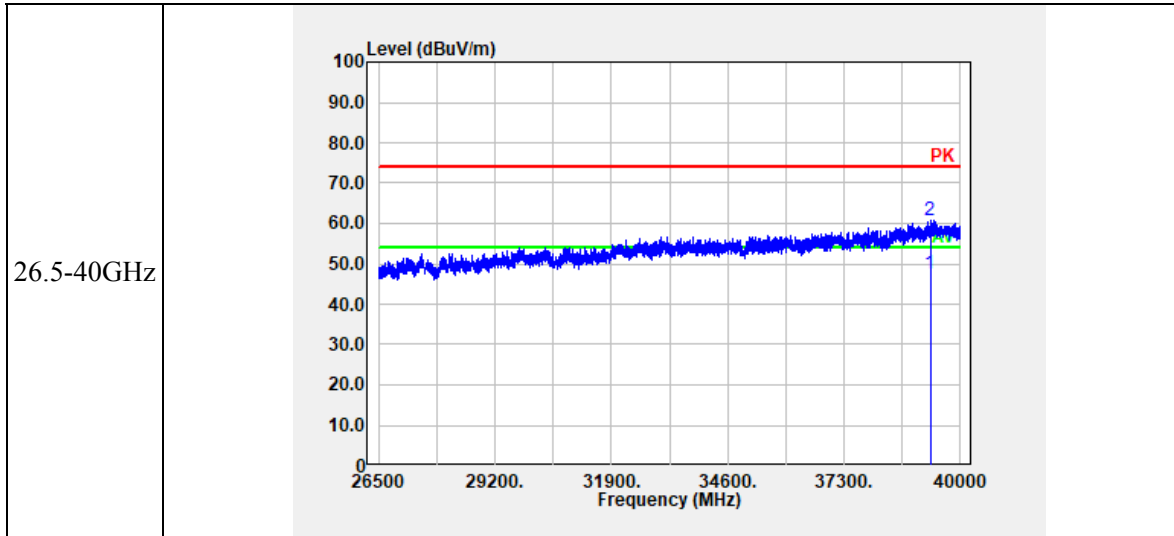
$Result = Reading + Factor - Distance\ extrapolation\ Factor$

For 1-40GHz:

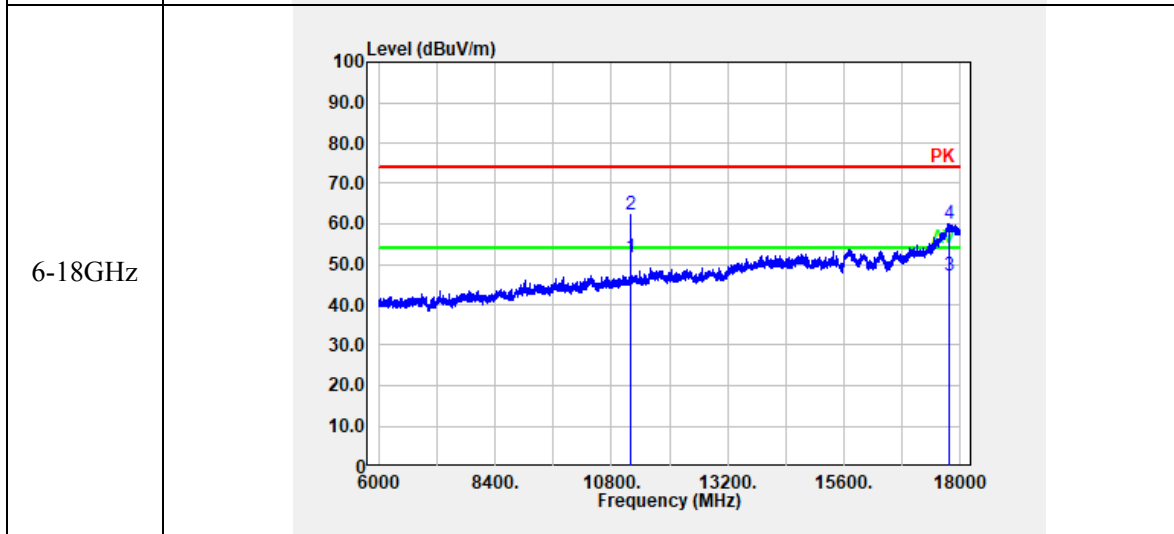
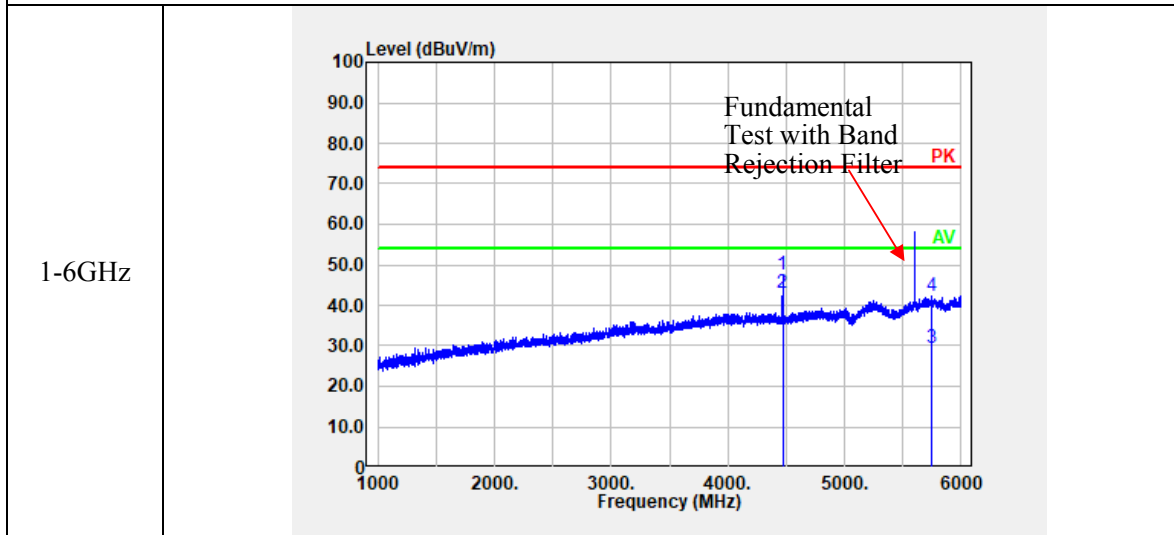
$Distance\ extrapolation\ Factor = 20 \log (specific\ distance [3m]/test\ distance [1.5m])\ dB = 6.02\ dB$

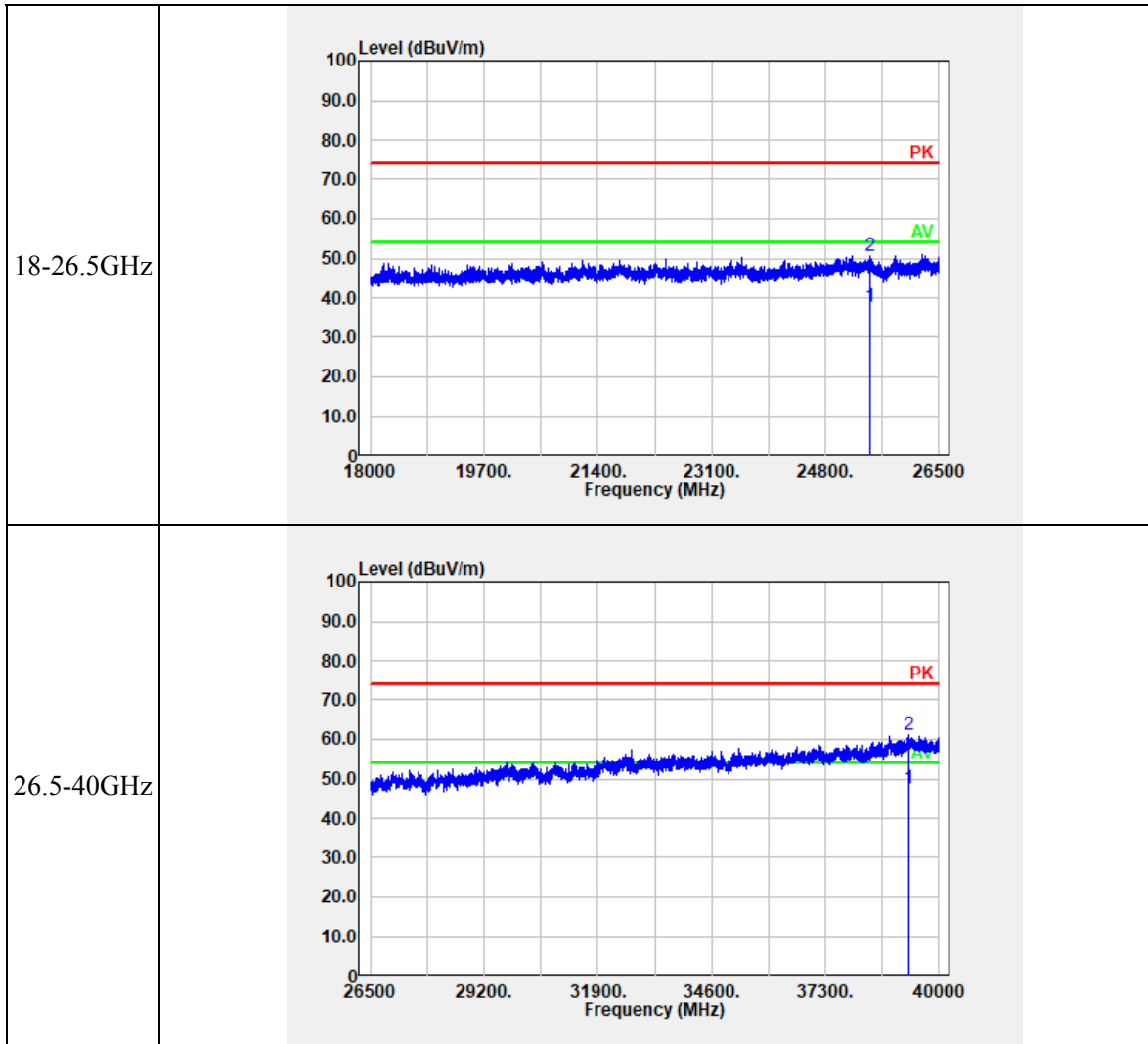
Worst Test plots(802.11n ht20 5580MHz was the worst)

Horizontal	
1-6GHz	
6-18GHz	
18-26.5GHz	



Vertical





4.3 26dB attenuated below the channel power

Serial Number:	262D-2	Test Date:	2023/06/02-2023/06/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jim Wei	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.2-26.8	Relative Humidity: (%)	52-60	ATM Pressure: (kPa)	99.9-100.2
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2022/7/25	2023/7/24
Mini-Circuits	DC Block	BLK-18-S+	1554403	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).

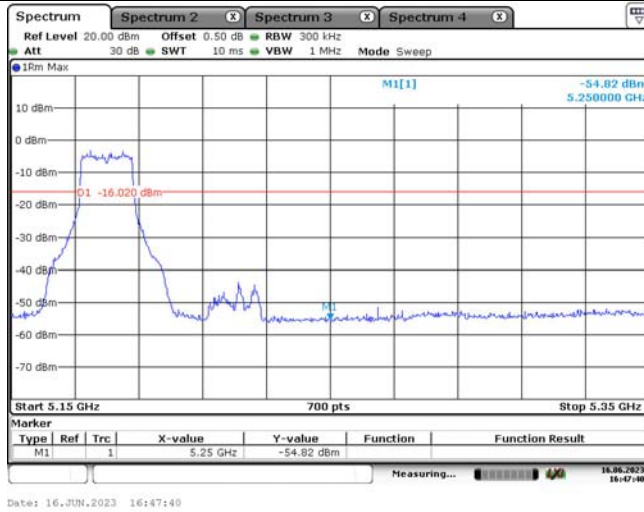
Test Data:

Note: the requirement is for 5150-5250 MHz band. The channel power please refer to the power test result in section 4.5.

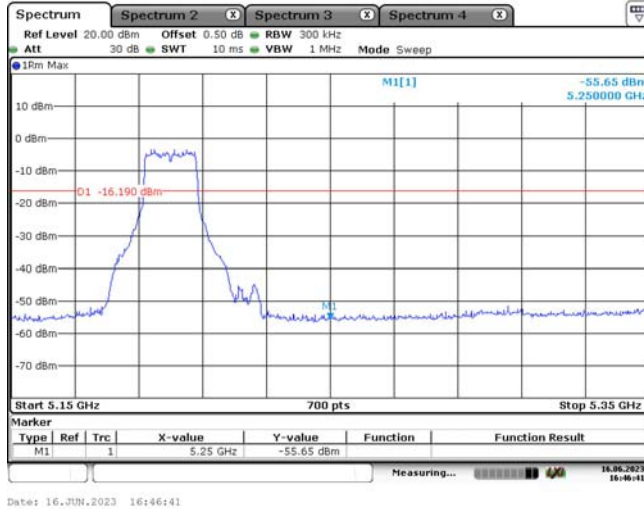
5150-5250MHz:

26dB attenuated below the channel power

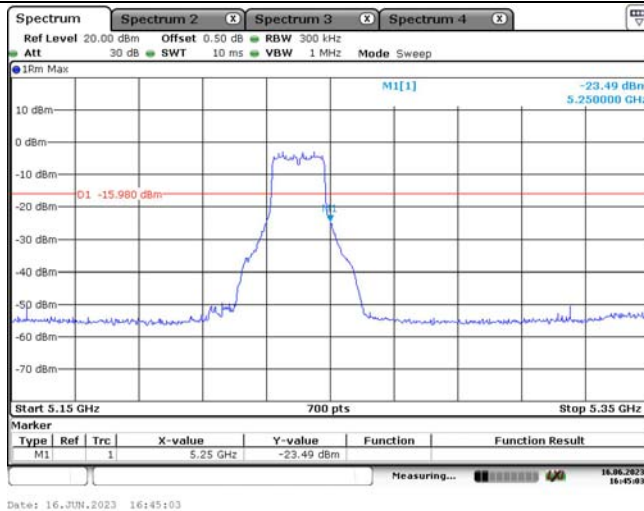
802.11a
Lowest Channel



802.11a
Middle Channel

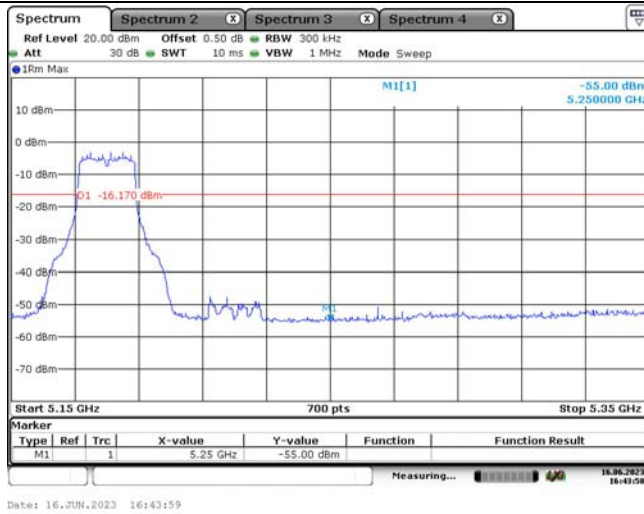


802.11a
Highest Channel

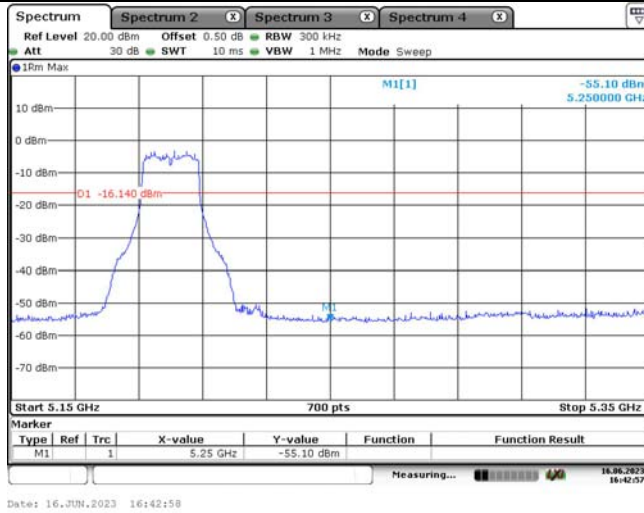


26dB attenuated below the channel power

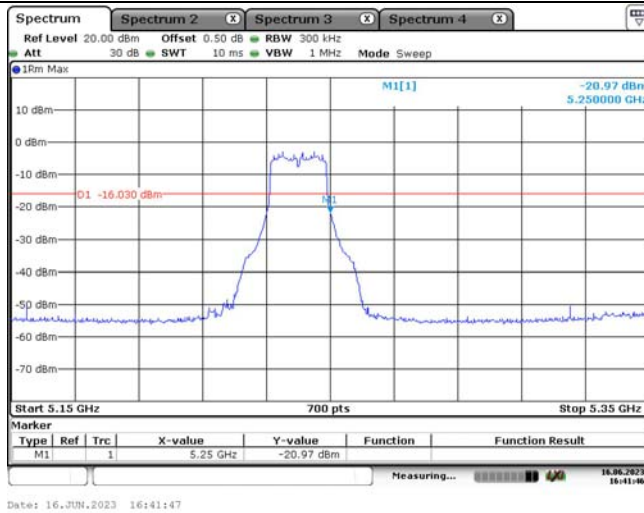
802.11n ht20
Lowest Channel



802.11n ht20
Middle Channel

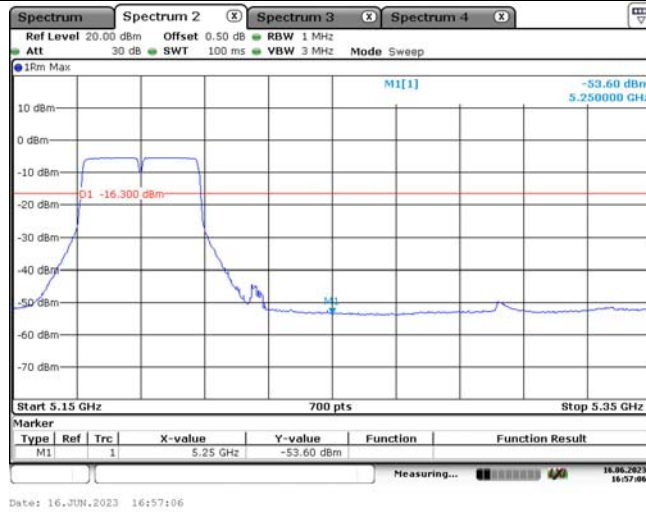


802.11n ht20
Highest Channel



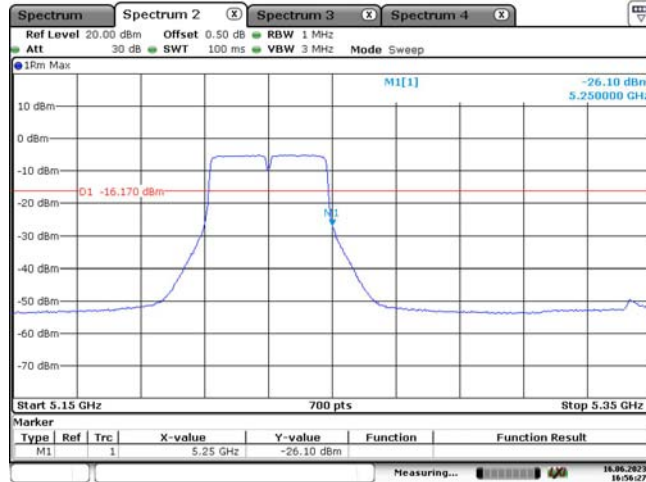
26dB attenuated below the channel power

802.11n ht40
Lowest Channel



Date: 16.JUN.2023 16:57:06

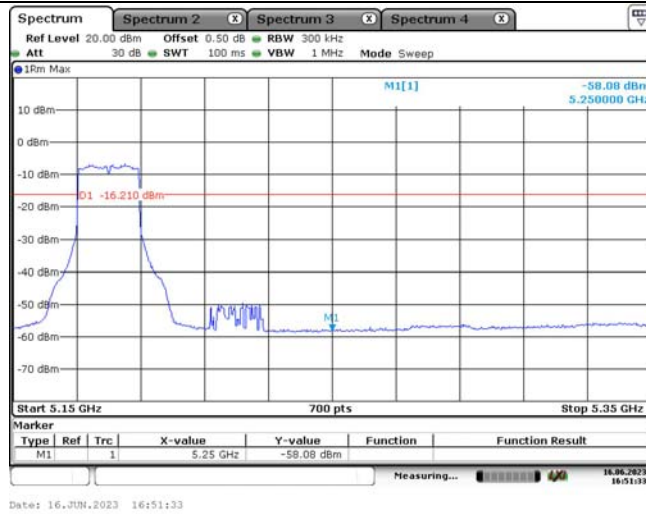
802.11n ht40
Highest Channel



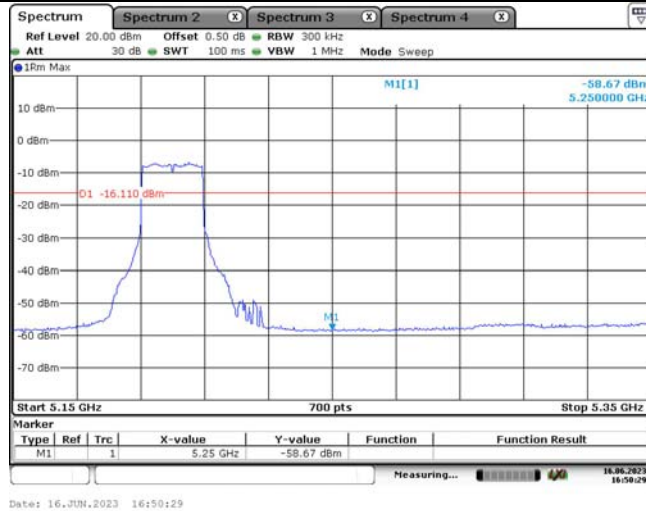
Date: 16.JUN.2023 16:56:26

26dB attenuated below the channel power

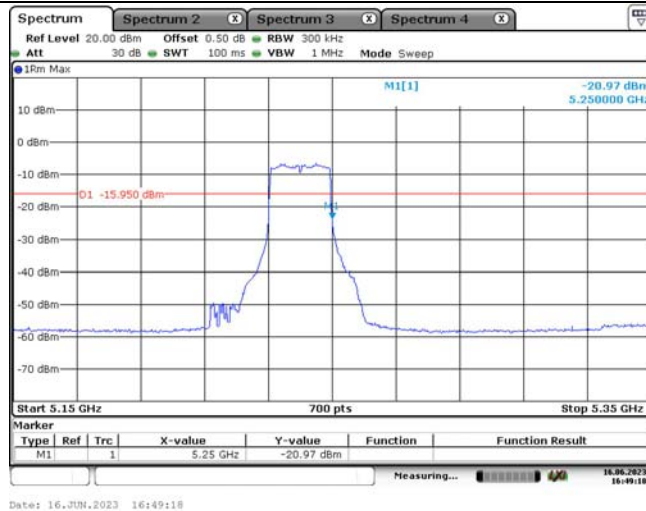
802.11ax hew20
Lowest Channel



802.11ax hew20
Middle Channel

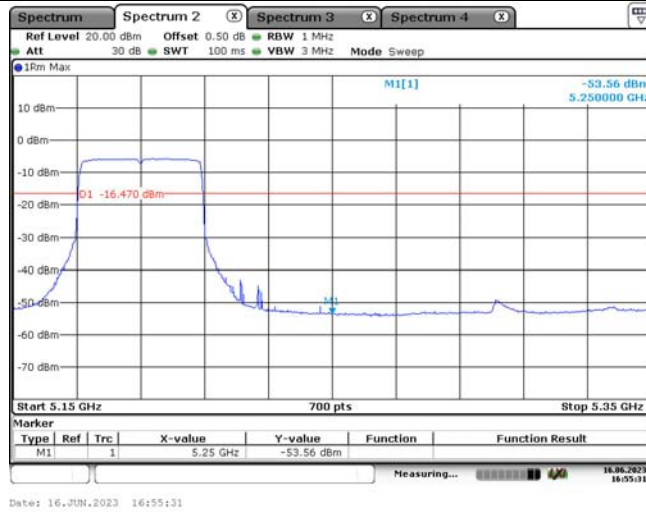


802.11ax hew20
Highest Channel

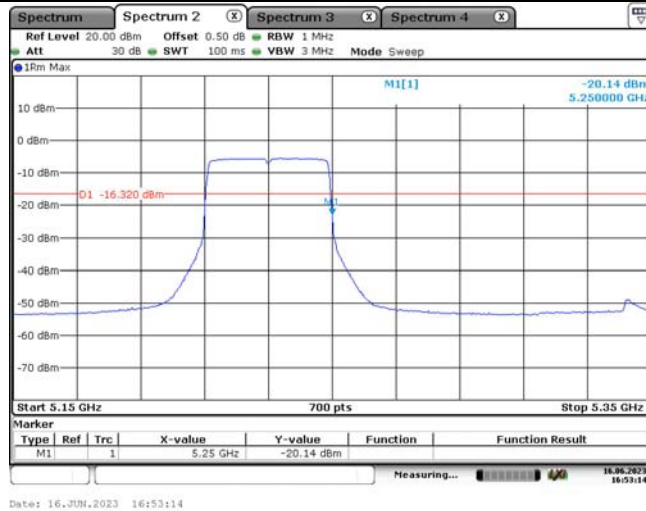


26dB attenuated below the channel power

802.11ax hew40
Lowest Channel



802.11ax hew40
Highest Channel



4.4 Emission Bandwidth:

Serial Number:	262D-2	Test Date:	2023/06/02-2023/06/06
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jim Wei	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.2-26.8	Relative Humidity: (%)	52-60	ATM Pressure: (kPa)	99.9-100.2
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2022/7/25	2023/7/24
Mini-Circuits	DC Block	BLK-18-S+	1554403	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:

5150-5250 MHz:

Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5180	26.59	17.725
	5200	26.08	17.725
	5240	25.90	17.725
802.11n ht20	5180	26.66	19.242
	5200	26.75	19.321
	5240	27.10	19.242
802.11n ht40	5190	47.32	38.323
	5230	46.46	38.483
802.11ax hew20	5180	26.31	19.561
	5200	26.77	19.561
	5240	26.31	19.641
802.11ax hew40	5190	45.87	38.962
	5230	44.57	38.962
Note: The 99% Occupied Bandwidth have not fallen into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.			

5250-5350 MHz:

Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5260	26.09	17.645
	5280	26.32	17.725
	5320	26.16	17.804
802.11n ht20	5260	27.11	19.242
	5280	27.54	19.242
	5320	27.61	19.321
802.11n ht40	5270	46.75	38.323
	5310	46.76	38.483
802.11ax hew20	5260	26.67	19.561
	5280	26.85	19.641
	5320	26.22	19.641
802.11ax hew40	5270	45.14	38.962
	5310	45.45	39.122

5470-5725MHz:

Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5500	25.98	17.964
	5580	26.16	17.964
	5700	26.07	17.884
	5720	25.97	18.044
802.11n ht20	5500	26.84	19.242
	5580	27.79	19.082
	5700	27.54	19.242
	5720	27.79	19.242
802.11n ht40	5510	47.06	38.643
	5550	47.32	38.802
	5670	46.31	38.643
	5710	46.88	39.016
802.11ax hew20	5500	26.48	19.561
	5580	26.14	19.561
	5700	26.40	19.561
	5720	26.40	19.641
802.11ax hew40	5510	44.88	39.122
	5550	45.59	38.962
	5670	45.01	38.802
	5710	45.57	38.900

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5745	16.48	18.044
	5785	16.48	17.964
	5825	16.48	17.964
802.11n ht20	5745	17.70	19.242
	5785	17.70	19.242
	5825	17.73	19.242
802.11n ht40	5755	36.48	38.962
	5795	36.32	38.643
802.11ax hew20	5745	19.04	19.641
	5785	19.04	19.641
	5825	19.12	19.641
802.11ax hew40	5755	38.08	38.962
	5795	38.24	39.122
Note: 6dB Emission Bandwidth Limit: ≥ 0.5 MHz The 99% Occupied Bandwidth have not fallen into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.			

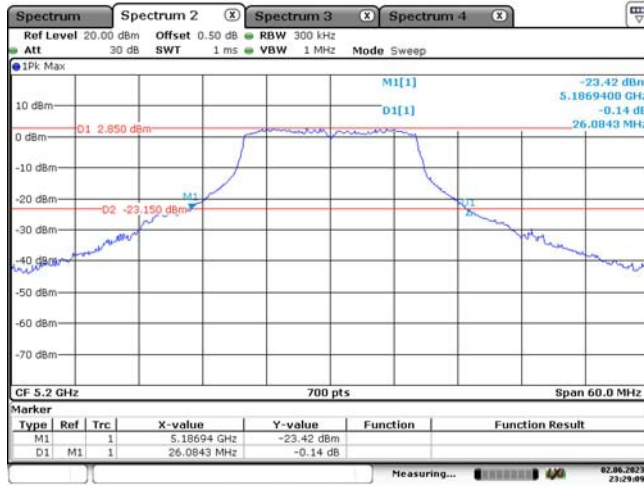
5150-5250MHz:

26dB Emission Bandwidth

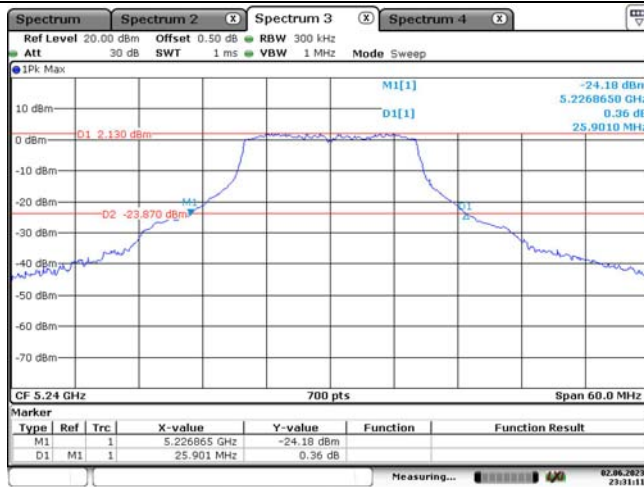
802.11a
Lowest Channel



802.11a
Middle Channel



802.11a
Highest Channel

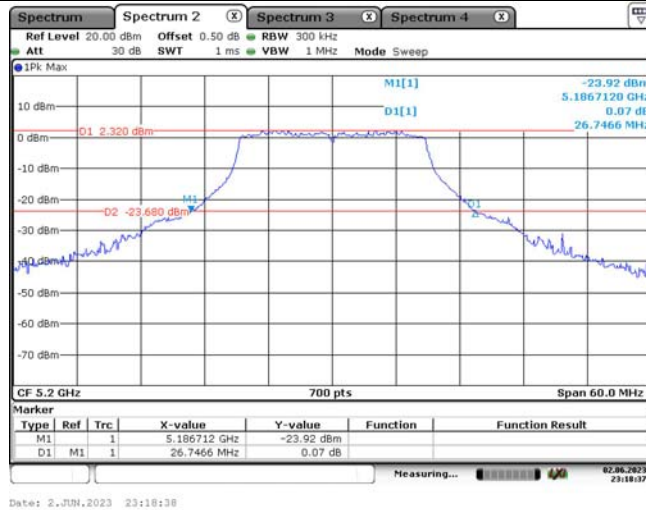


26dB Emission Bandwidth

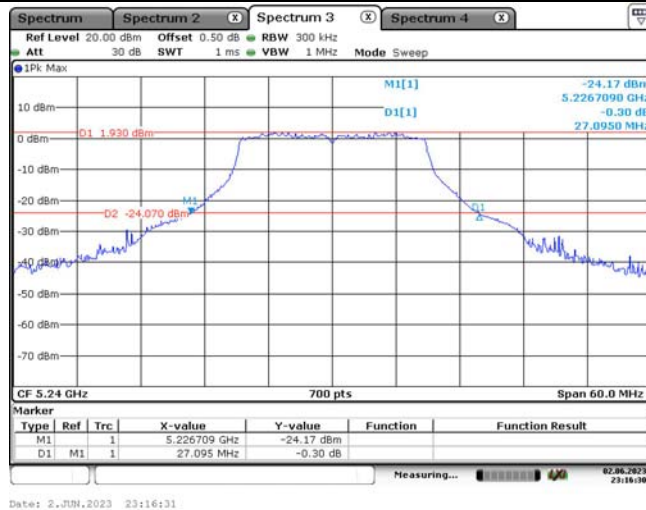
802.11n ht20
Lowest Channel



802.11n ht20
Middle Channel

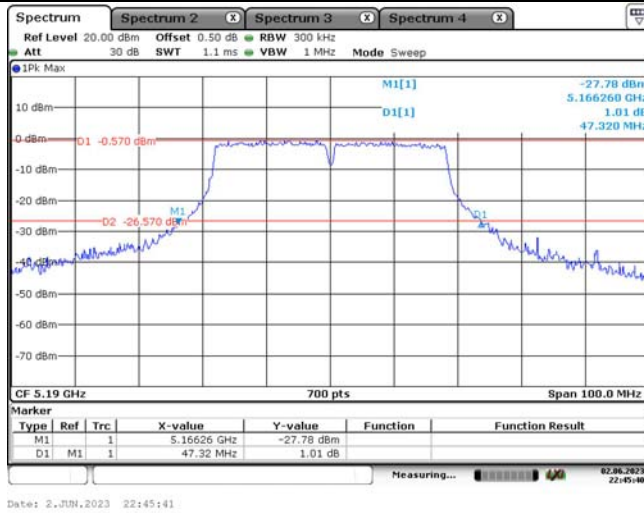


802.11n ht20
Highest Channel

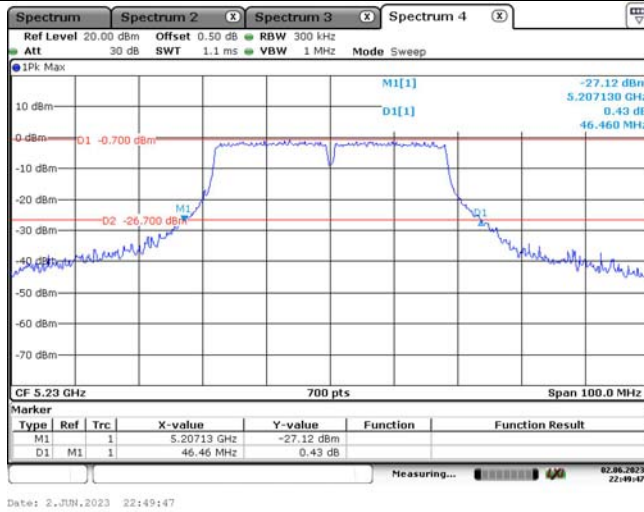


26dB Emission Bandwidth

802.11n ht40
Lowest Channel



802.11n ht40
Highest Channel

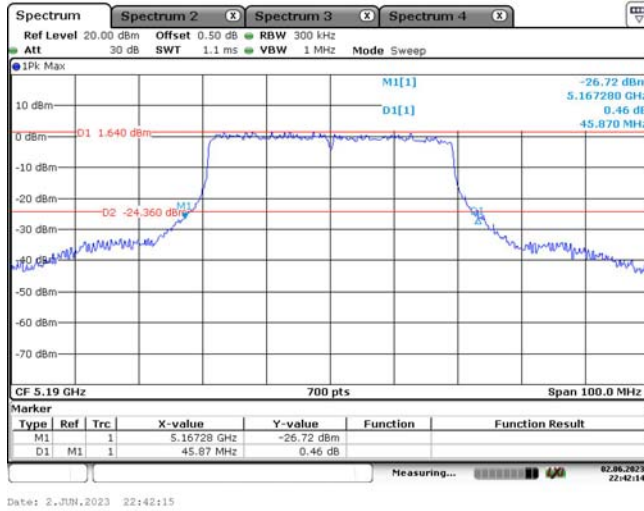


26dB Emission Bandwidth

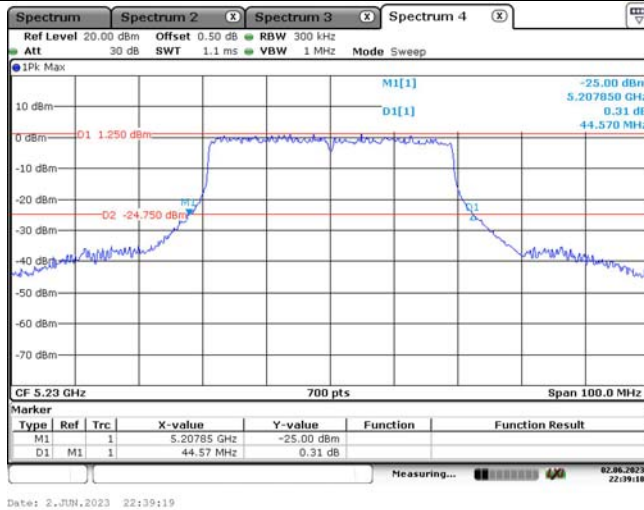
<p>802.11ax hew20 Lowest Channel</p>	<table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>5.166542 GHz</td> <td>-22.32 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>26.309 MHz</td> <td>1.10 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 2 JUN 2023 23:04:01</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	5.166542 GHz	-22.32 dBm			D1	M1	1	26.309 MHz	1.10 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																
M1		1	5.166542 GHz	-22.32 dBm																		
D1	M1	1	26.309 MHz	1.10 dB																		
<p>802.11ax hew20 Middle Channel</p>	<table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>5.186772 GHz</td> <td>-22.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>26.773 MHz</td> <td>1.07 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 2 JUN 2023 23:07:04</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	5.186772 GHz	-22.65 dBm			D1	M1	1	26.773 MHz	1.07 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																
M1		1	5.186772 GHz	-22.65 dBm																		
D1	M1	1	26.773 MHz	1.07 dB																		
<p>802.11ax hew20 Highest Channel</p>	<table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>5.226887 GHz</td> <td>-22.38 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>26.3113 MHz</td> <td>0.76 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 2 JUN 2023 23:12:40</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	5.226887 GHz	-22.38 dBm			D1	M1	1	26.3113 MHz	0.76 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																
M1		1	5.226887 GHz	-22.38 dBm																		
D1	M1	1	26.3113 MHz	0.76 dB																		

26dB Emission Bandwidth

802.11ax hew40
Lowest Channel



802.11ax hew40
Highest Channel



99% Emission Bandwidth

802.11a
Lowest Channel



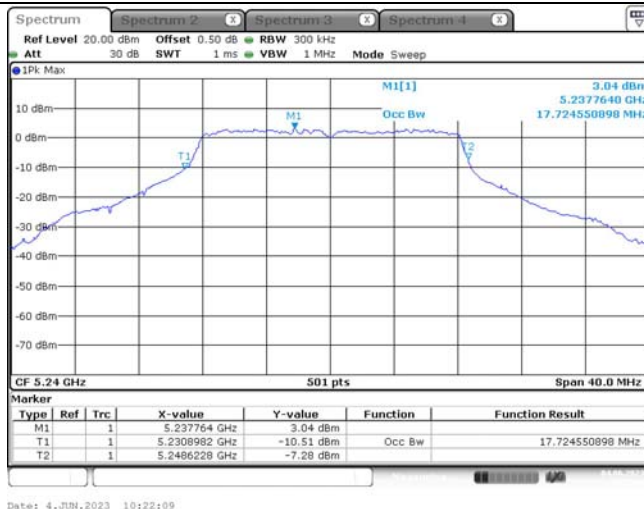
Date: 4 JUN 2023 10:20:15

802.11a
Middle Channel



Date: 4 JUN 2023 10:21:13

802.11a
Highest Channel



Date: 4 JUN 2023 10:22:09

99% Emission Bandwidth

802.11n ht20
Lowest Channel



Date: 4 JUN 2023 10:23:16

802.11n ht20
Middle Channel



Date: 4 JUN 2023 10:26:44

802.11n ht20
Highest Channel



Date: 4 JUN 2023 10:27:31

99% Emission Bandwidth

802.11n ht40
Lowest Channel



Date: 4 JUN 2023 10:30:37

802.11n ht40
Highest Channel



Date: 4 JUN 2023 10:31:34

99% Emission Bandwidth

<p>802.11ax hew20 Lowest Channel</p>	<p>CF 5.18 GHz 501 pts Span 40.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.180798 GHz</td> <td>4.63 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>5.1702595 GHz</td> <td>-2.11 dBm</td> <td>Occ Bw</td> <td>19.560878244 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>5.1898204 GHz</td> <td>-3.48 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4 JUN 2023 10:24:06</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		5.180798 GHz	4.63 dBm			T1	1		5.1702595 GHz	-2.11 dBm	Occ Bw	19.560878244 MHz	T2	1		5.1898204 GHz	-3.48 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1	1		5.180798 GHz	4.63 dBm																									
T1	1		5.1702595 GHz	-2.11 dBm	Occ Bw	19.560878244 MHz																							
T2	1		5.1898204 GHz	-3.48 dBm																									
<p>802.11ax hew20 Middle Channel</p>	<p>CF 5.2 GHz 501 pts Span 40.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.195289 GHz</td> <td>5.30 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>5.1902595 GHz</td> <td>-2.00 dBm</td> <td>Occ Bw</td> <td>19.560878244 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>5.2098204 GHz</td> <td>-2.97 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4 JUN 2023 10:29:04</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		5.195289 GHz	5.30 dBm			T1	1		5.1902595 GHz	-2.00 dBm	Occ Bw	19.560878244 MHz	T2	1		5.2098204 GHz	-2.97 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1	1		5.195289 GHz	5.30 dBm																									
T1	1		5.1902595 GHz	-2.00 dBm	Occ Bw	19.560878244 MHz																							
T2	1		5.2098204 GHz	-2.97 dBm																									
<p>802.11ax hew20 Highest Channel</p>	<p>CF 5.24 GHz 501 pts Span 40.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.245269 GHz</td> <td>5.43 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>5.2301796 GHz</td> <td>-3.95 dBm</td> <td>Occ Bw</td> <td>19.640718563 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>5.2498204 GHz</td> <td>-3.72 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4 JUN 2023 10:29:50</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		5.245269 GHz	5.43 dBm			T1	1		5.2301796 GHz	-3.95 dBm	Occ Bw	19.640718563 MHz	T2	1		5.2498204 GHz	-3.72 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1	1		5.245269 GHz	5.43 dBm																									
T1	1		5.2301796 GHz	-3.95 dBm	Occ Bw	19.640718563 MHz																							
T2	1		5.2498204 GHz	-3.72 dBm																									

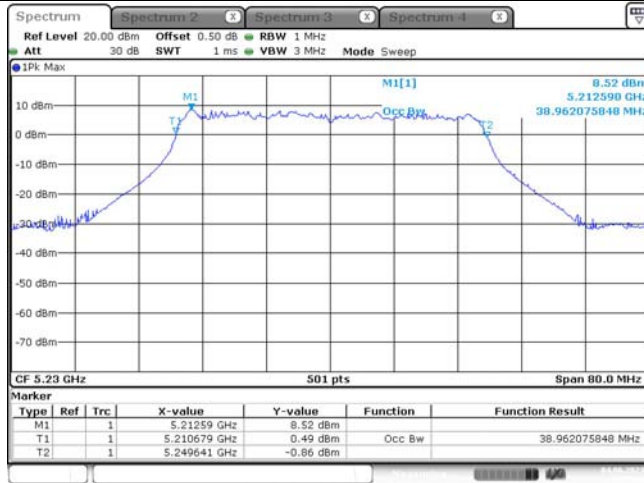
99% Emission Bandwidth

802.11ax hew40
Lowest Channel



Date: 4 JUN 2023 10:34:02

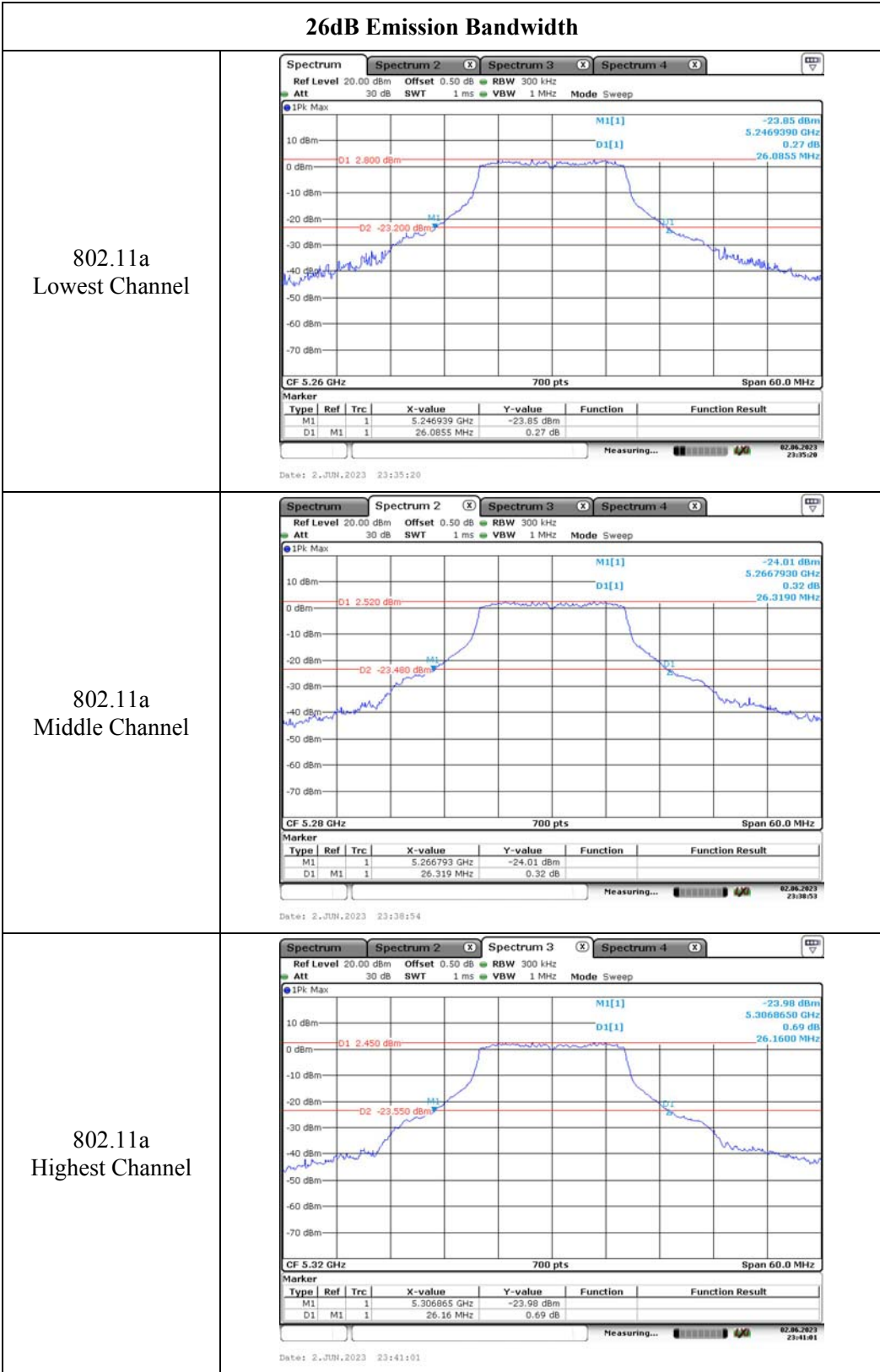
802.11ax hew40
Highest Channel



Date: 4 JUN 2023 10:33:25

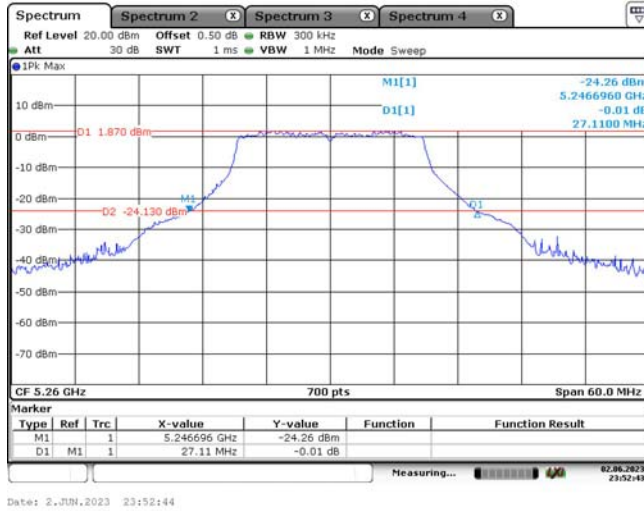
5250-5350MHz:

26dB Emission Bandwidth

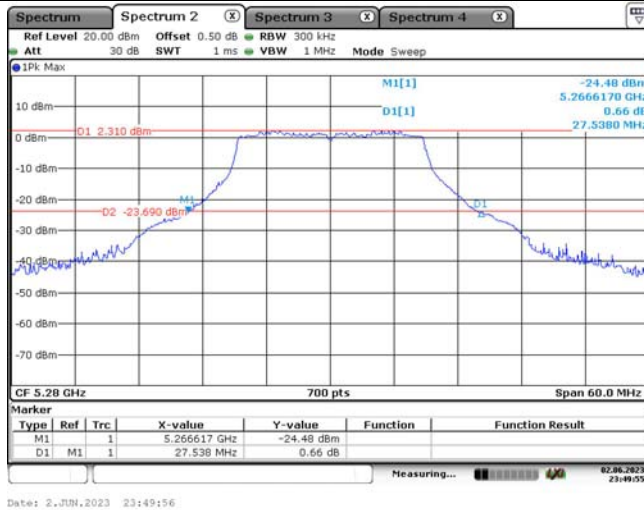


26dB Emission Bandwidth

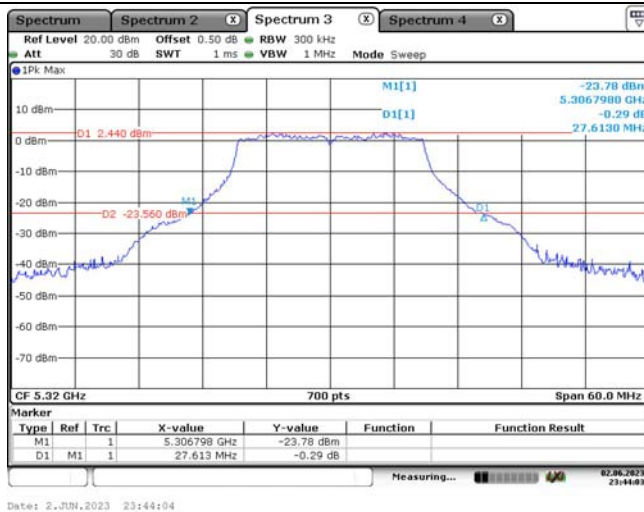
802.11n ht20
Lowest Channel



802.11n ht20
Middle Channel



802.11n ht20
Highest Channel



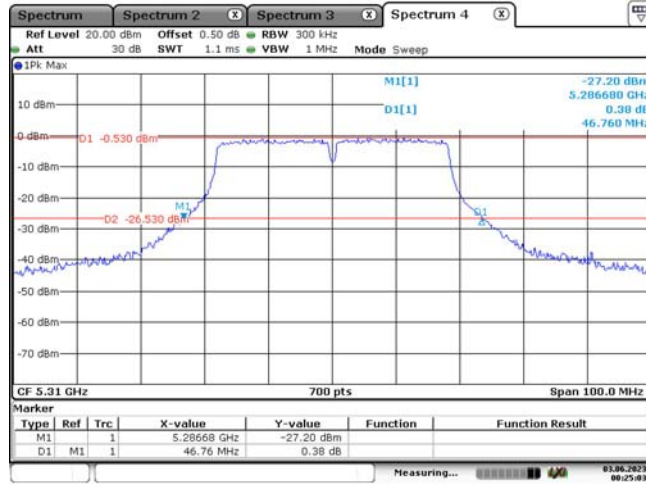
26dB Emission Bandwidth

802.11n ht40
Lowest Channel



Date: 3 JUN 2023 00:22:32

802.11n ht40
Highest Channel



Date: 3 JUN 2023 00:25:03

26dB Emission Bandwidth

802.11ax hew20
Lowest Channel



802.11ax hew20
Middle Channel

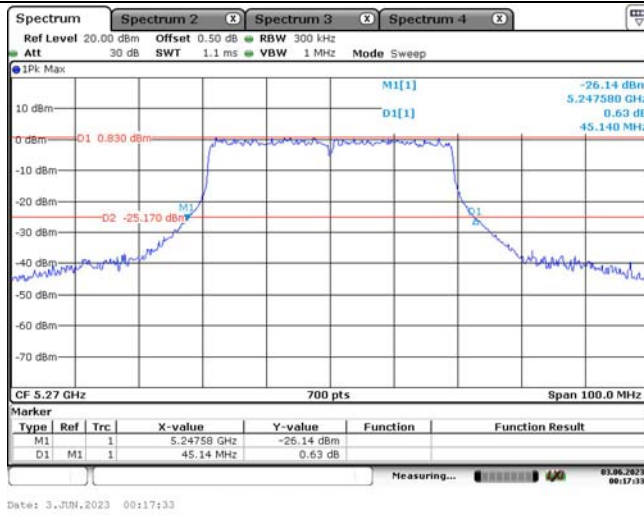


802.11ax hew20
Highest Channel



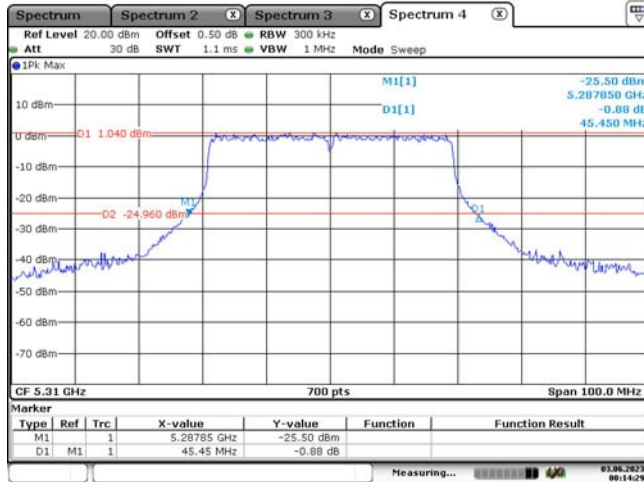
26dB Emission Bandwidth

802.11ax hew40
Lowest Channel



Date: 3.JUN.2023 00:17:33

802.11ax hew40
Highest Channel



Date: 3.JUN.2023 00:14:28

99% Emission Bandwidth

802.11a
Lowest Channel



Date: 4 JUN 2023 10:35:26

802.11a
Middle Channel



Date: 4 JUN 2023 10:36:20

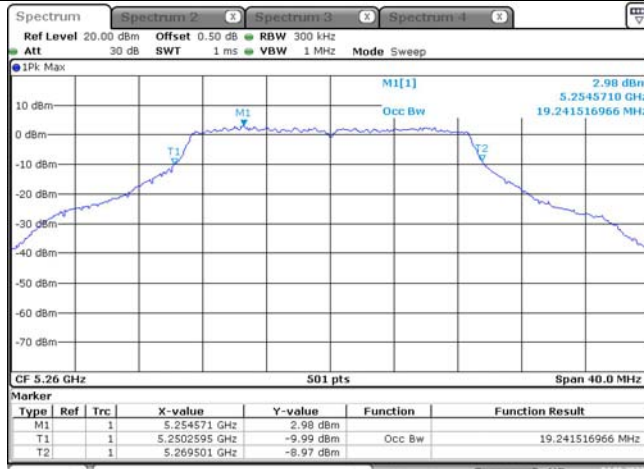
802.11a
Highest Channel



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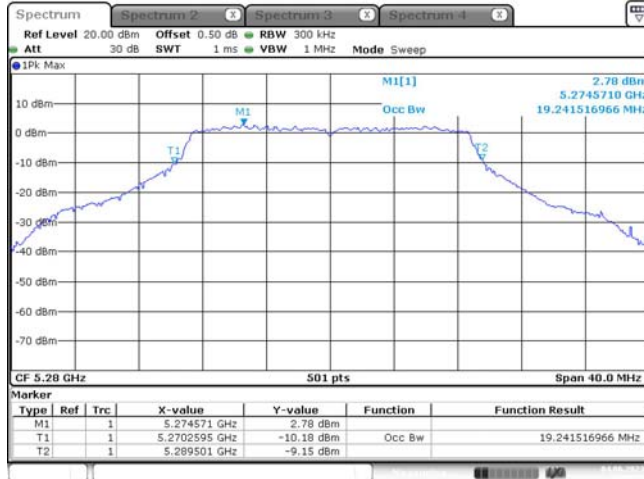
99% Emission Bandwidth

802.11n ht20
Lowest Channel



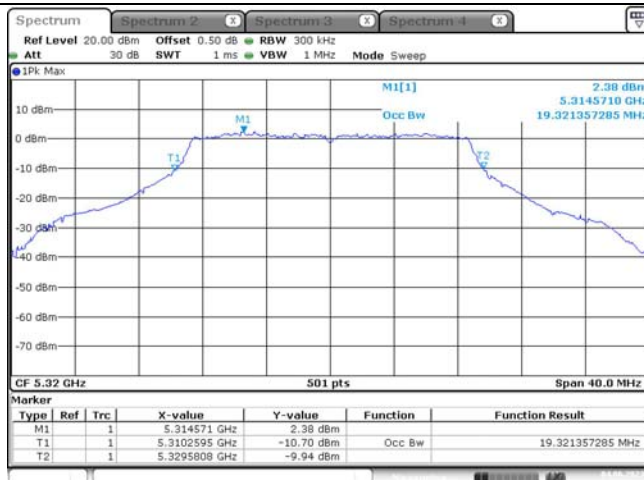
Date: 4 JUN 2023 10:39:12

802.11n ht20
Middle Channel



Date: 4 JUN 2023 10:38:29

802.11n ht20
Highest Channel



Date: 4 JUN 2023 10:37:44

99% Emission Bandwidth

802.11n ht40
Lowest Channel



Date: 4.JUN.2023 10:39:59

802.11n ht40
Highest Channel



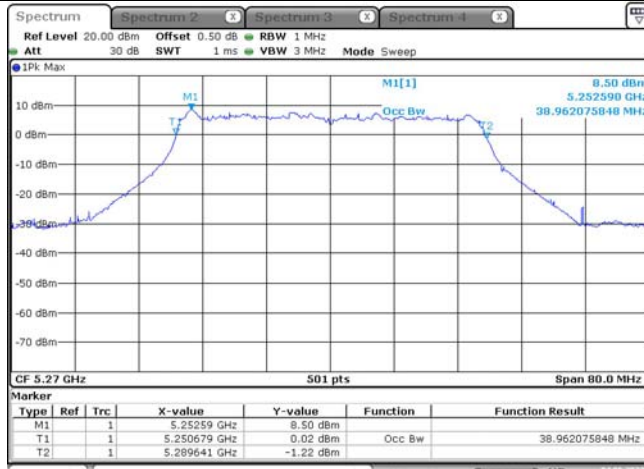
Date: 4.JUN.2023 10:40:38

99% Emission Bandwidth

<p>802.11ax hew20 Lowest Channel</p>	<p>CF 5.26 GHz 501 pts Span 40.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.252575 GHz</td> <td>-4.93 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>5.2502595 GHz</td> <td>-3.58 dBm</td> <td>Occ Bw</td> <td>19.560878244 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>5.2698204 GHz</td> <td>-3.38 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4 JUN 2023 10:41:11</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		5.252575 GHz	-4.93 dBm			T1	1		5.2502595 GHz	-3.58 dBm	Occ Bw	19.560878244 MHz	T2	1		5.2698204 GHz	-3.38 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1	1		5.252575 GHz	-4.93 dBm																									
T1	1		5.2502595 GHz	-3.58 dBm	Occ Bw	19.560878244 MHz																							
T2	1		5.2698204 GHz	-3.38 dBm																									
<p>802.11ax hew20 Middle Channel</p>	<p>CF 5.28 GHz 501 pts Span 40.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.278563 GHz</td> <td>-4.57 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>5.2701796 GHz</td> <td>-4.30 dBm</td> <td>Occ Bw</td> <td>19.640718563 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>5.2898204 GHz</td> <td>-3.00 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4 JUN 2023 10:42:03</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		5.278563 GHz	-4.57 dBm			T1	1		5.2701796 GHz	-4.30 dBm	Occ Bw	19.640718563 MHz	T2	1		5.2898204 GHz	-3.00 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1	1		5.278563 GHz	-4.57 dBm																									
T1	1		5.2701796 GHz	-4.30 dBm	Occ Bw	19.640718563 MHz																							
T2	1		5.2898204 GHz	-3.00 dBm																									
<p>802.11ax hew20 Highest Channel</p>	<p>CF 5.32 GHz 501 pts Span 40.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.327265 GHz</td> <td>-4.91 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>5.3101796 GHz</td> <td>-3.23 dBm</td> <td>Occ Bw</td> <td>19.640718563 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>5.3298204 GHz</td> <td>-3.62 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4 JUN 2023 10:42:51</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		5.327265 GHz	-4.91 dBm			T1	1		5.3101796 GHz	-3.23 dBm	Occ Bw	19.640718563 MHz	T2	1		5.3298204 GHz	-3.62 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1	1		5.327265 GHz	-4.91 dBm																									
T1	1		5.3101796 GHz	-3.23 dBm	Occ Bw	19.640718563 MHz																							
T2	1		5.3298204 GHz	-3.62 dBm																									

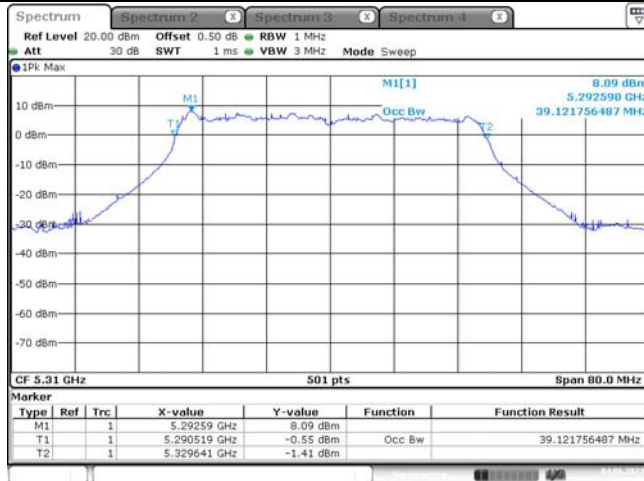
99% Emission Bandwidth

802.11ax hew40
Lowest Channel



Date: 4.JUN.2023 10:43:32

802.11ax hew40
Highest Channel

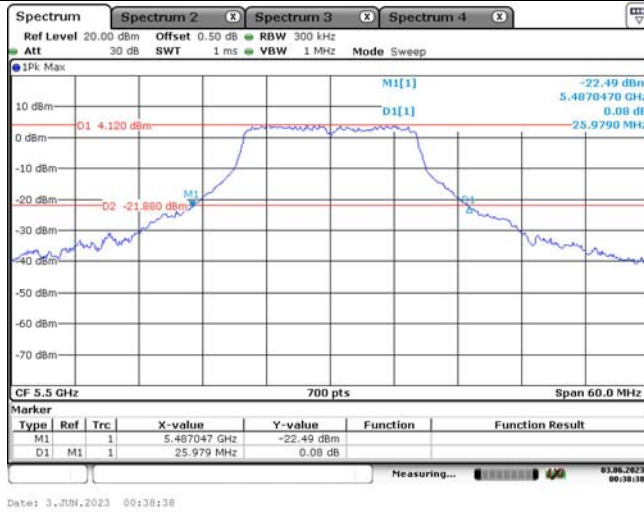


Date: 4.JUN.2023 10:48:59

5470-5725MHz:

26dB Emission Bandwidth

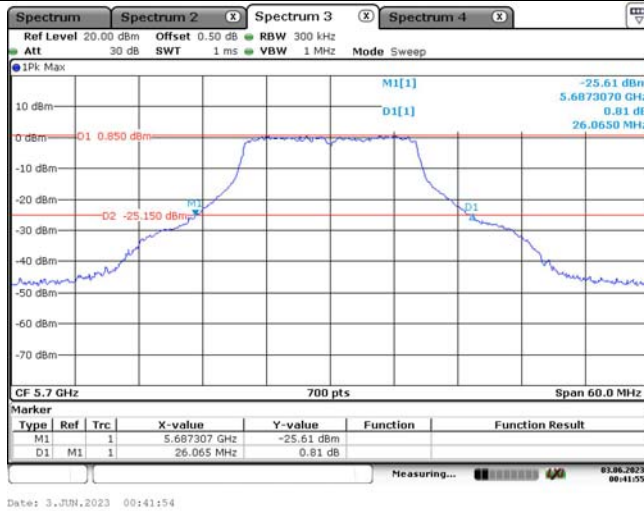
802.11a
Lowest Channel



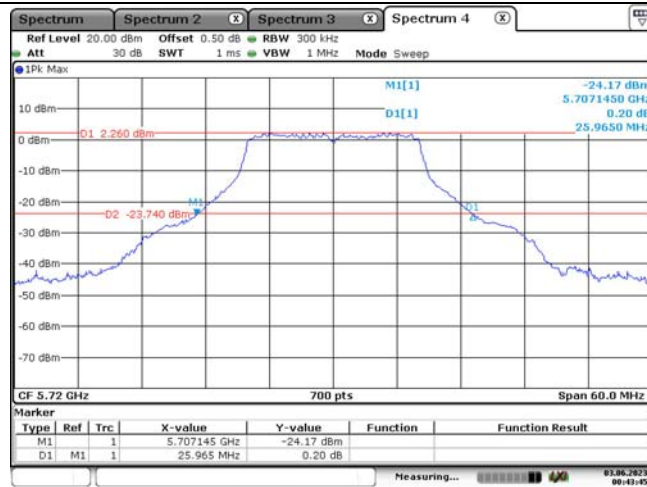
802.11a
Middle Channel



802.11a
Highest Channel



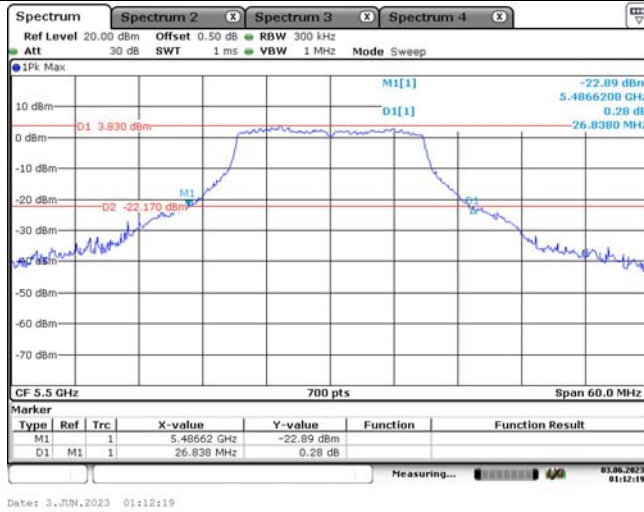
802.11a
Cross Channel



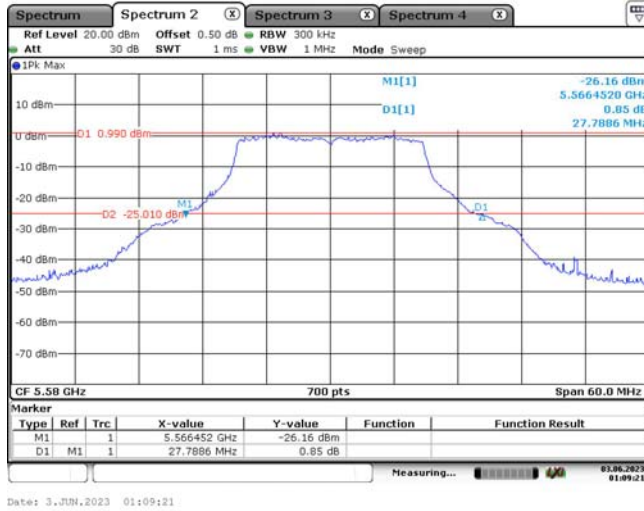
Date: 3 JUN 2023 00:43:44

2dB Emission Bandwidth

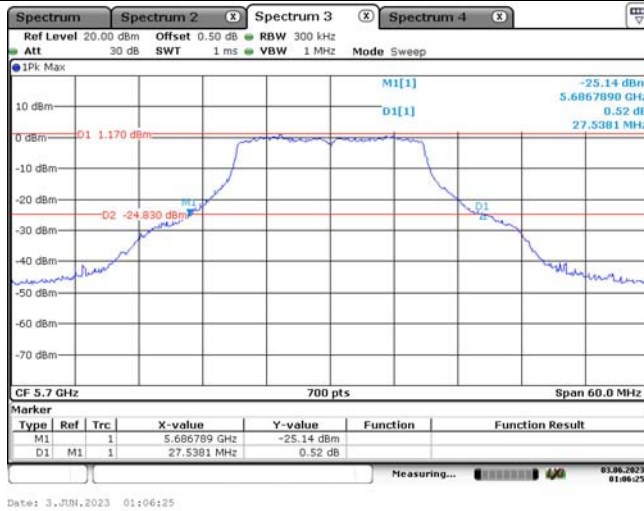
802.11n ht20
Lowest Channel

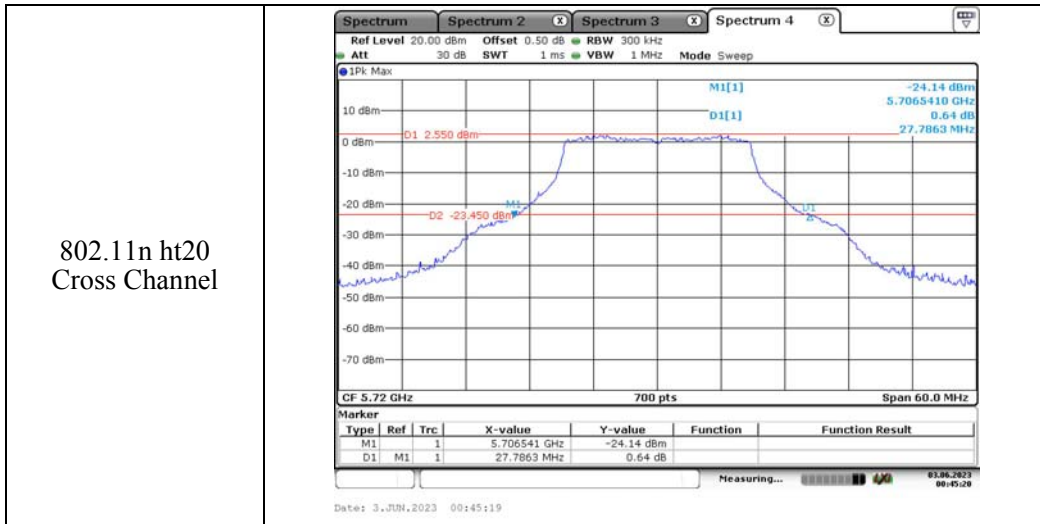


802.11n ht20
Middle Channel



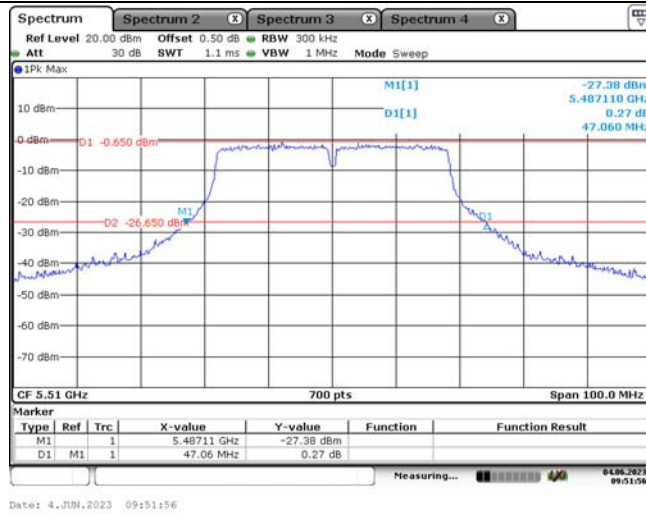
802.11n ht20
Highest Channel





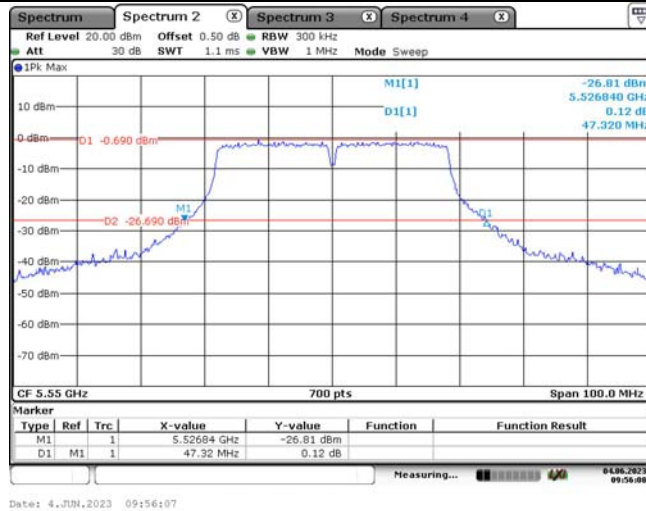
26dB Emission Bandwidth

802.11n ht40
Lowest Channel



Date: 4.JUN.2023 09:51:56

802.11n ht40
Middle Channel

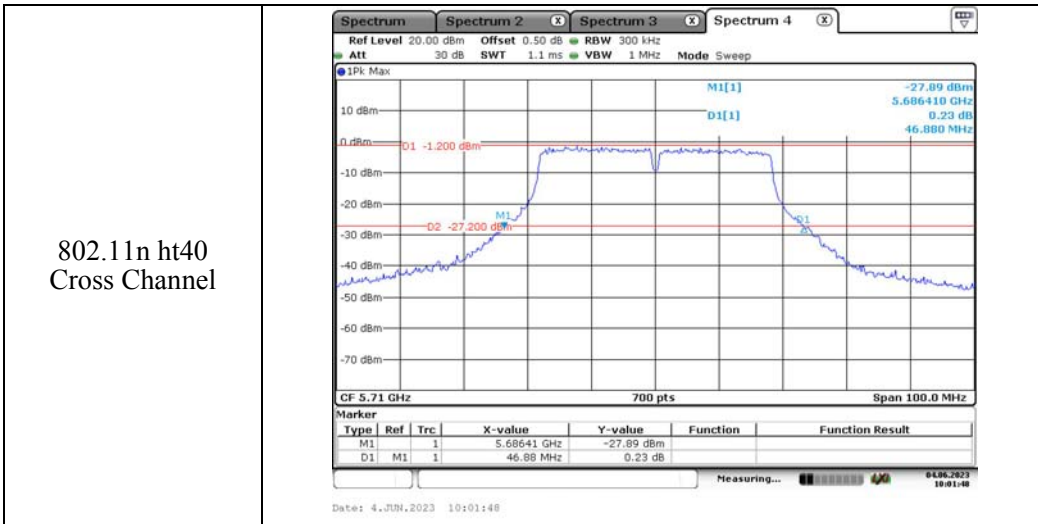


Date: 4.JUN.2023 09:56:07

802.11n ht40
Highest Channel



Date: 4.JUN.2023 09:59:49

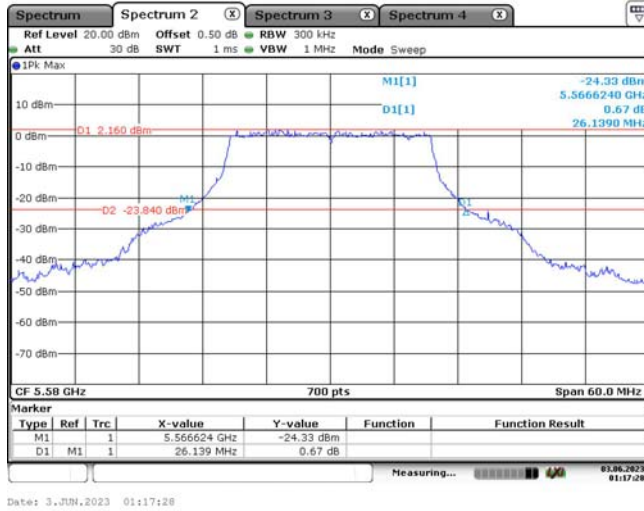


26dB Emission Bandwidth

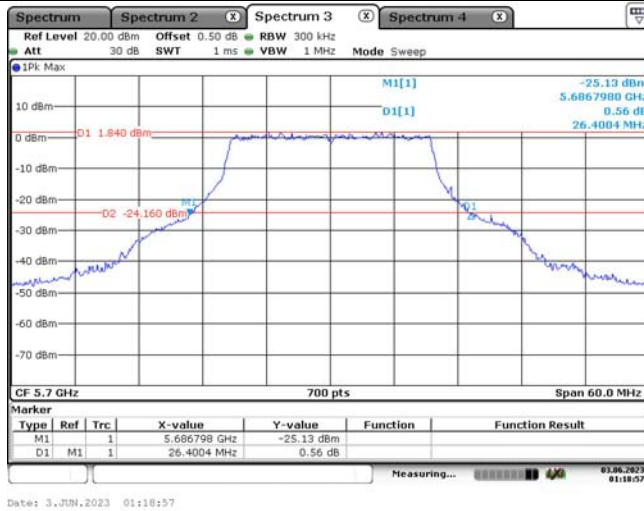
802.11ax hew20
Lowest Channel



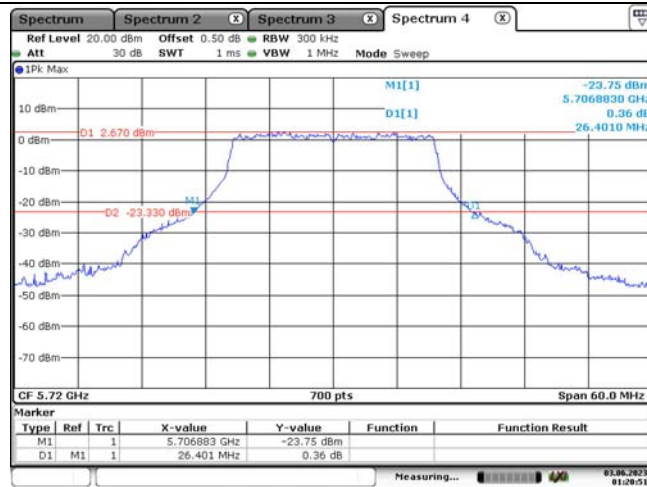
802.11ax hew20
Middle Channel



802.11ax hew20
Highest Channel



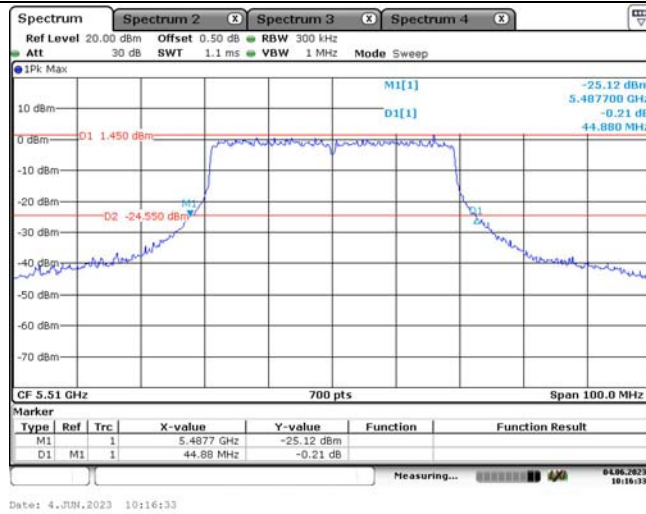
802.11ax hew20
Cross Channel



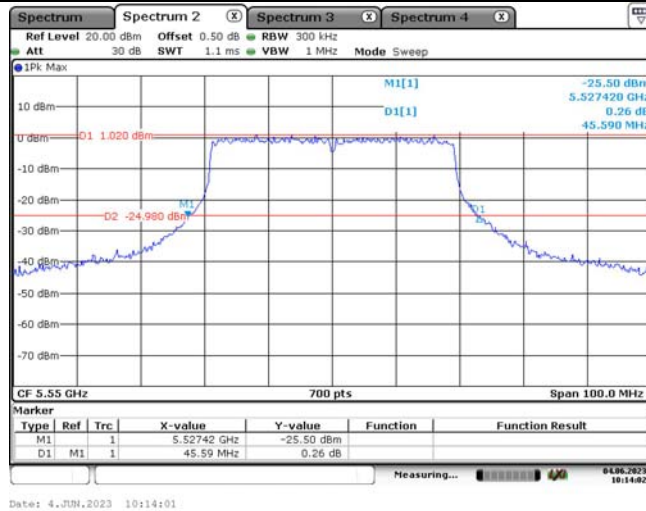
Date: 3.JUN.2023 01:20:51

6dB Emission Bandwidth

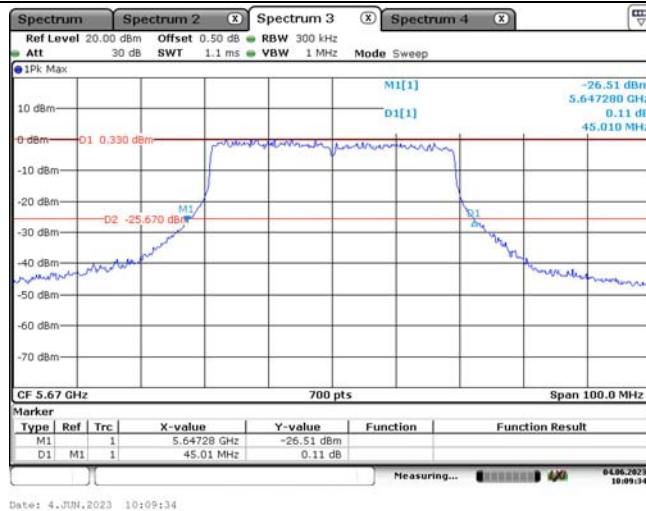
802.11ax hew40
Lowest Channel



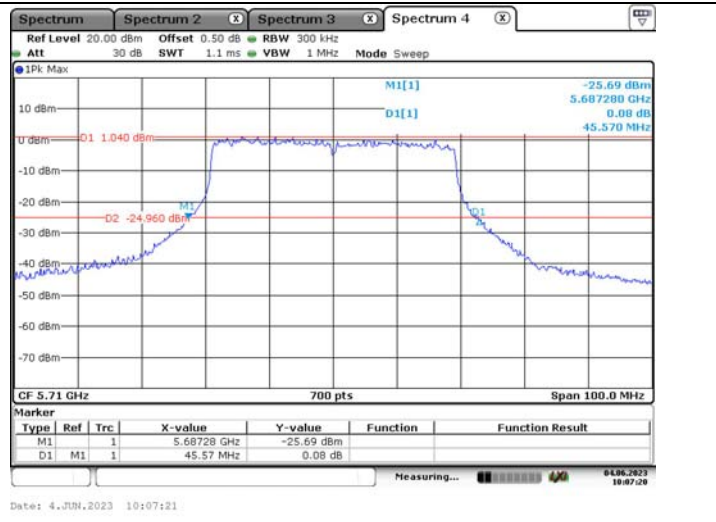
802.11ax hew40
Middle Channel



802.11ax hew40
Highest Channel



802.11ax hew40
Cross Channel



99% Emission Bandwidth

802.11a
Lowest Channel



Date: 4 JUN 2023 16:28:22

802.11a
Middle Channel

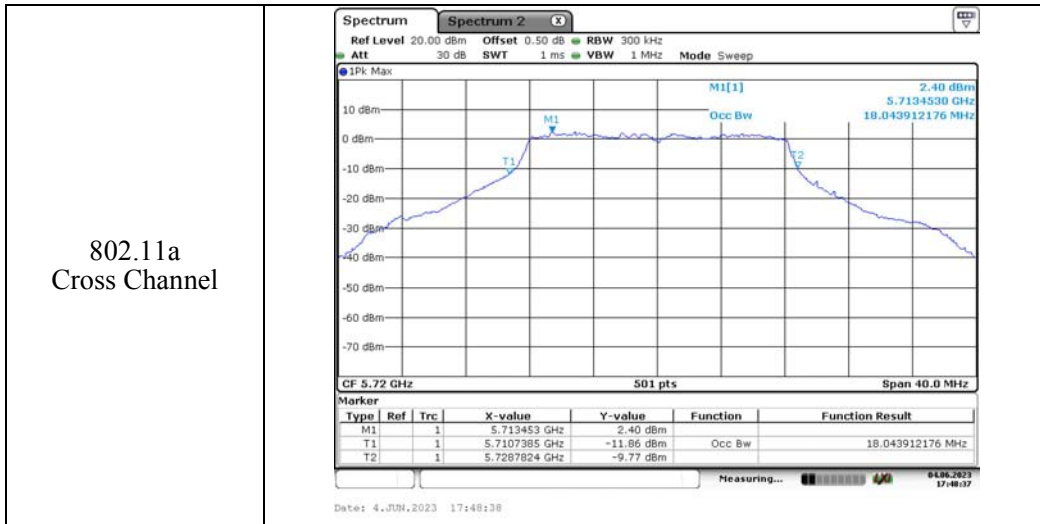


Date: 4 JUN 2023 16:29:21

802.11a
Highest Channel



Date: 4 JUN 2023 16:30:04



99% Emission Bandwidth

802.11n ht20
Lowest Channel



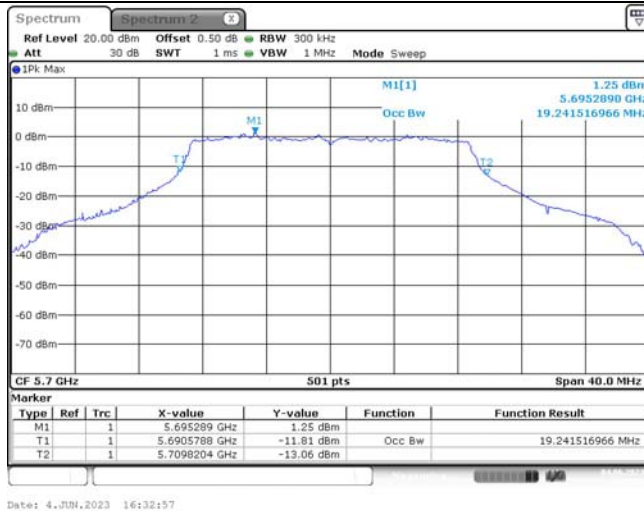
Date: 4 JUN 2023 16:31:00

802.11n ht20
Middle Channel



Date: 4 JUN 2023 16:31:46

802.11n ht20
Highest Channel



Date: 4 JUN 2023 16:32:17



99% Emission Bandwidth

802.11n ht40
Lowest Channel



Date: 4 JUN 2023 16:33:34

802.11n ht40
Middle Channel

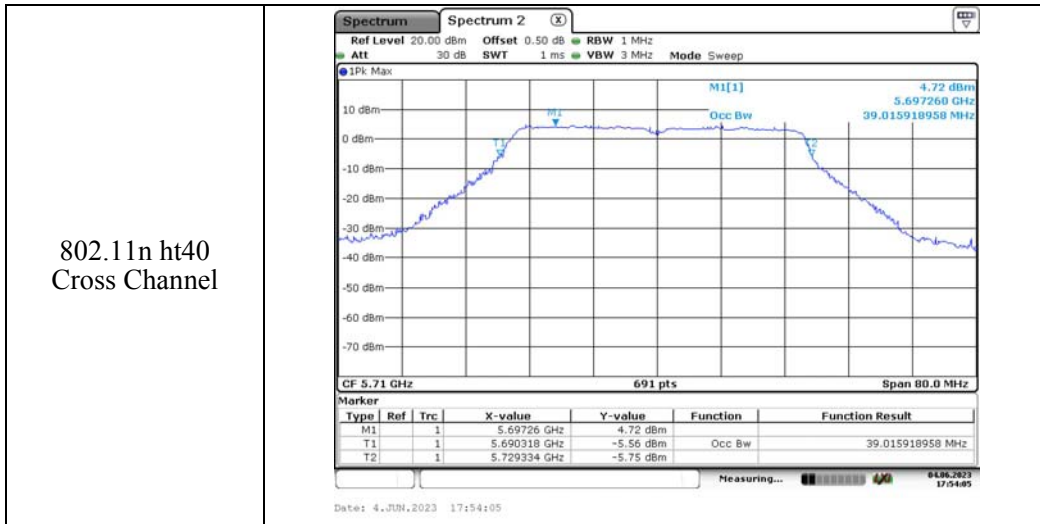


Date: 4 JUN 2023 16:35:24

802.11n ht40
Highest Channel

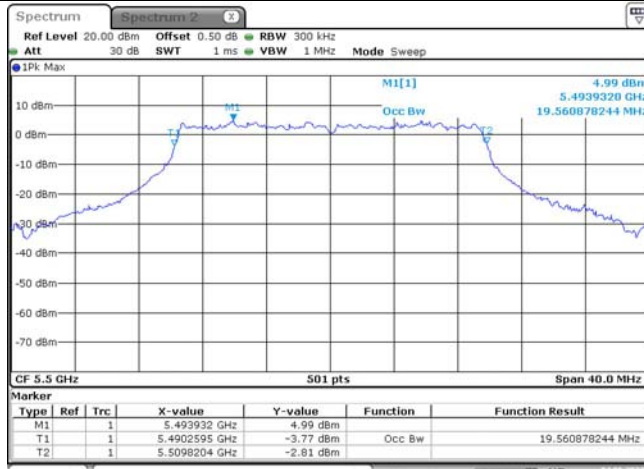


Date: 4 JUN 2023 16:36:29



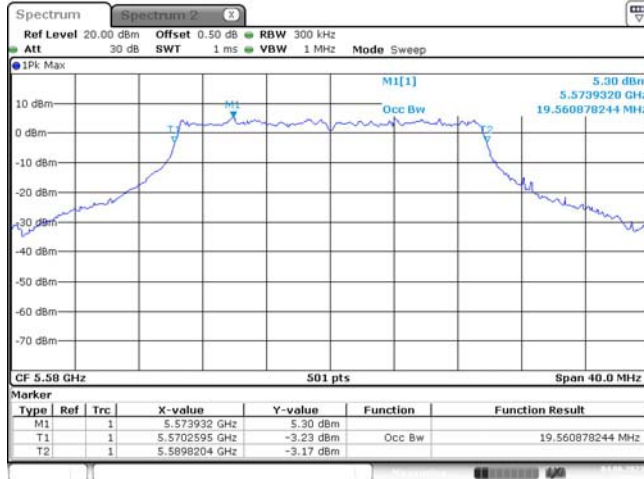
99% Emission Bandwidth

802.11ax hew20
Lowest Channel



Date: 4 JUN 2023 16:37:39

802.11ax hew20
Middle Channel



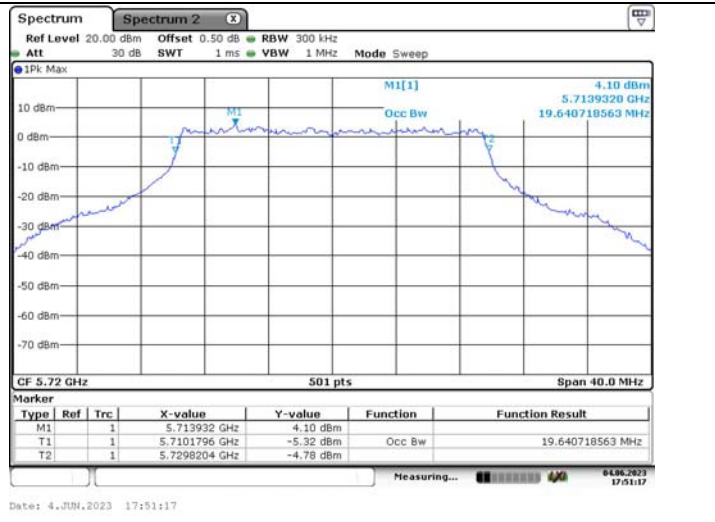
Date: 4 JUN 2023 16:39:07

802.11ax hew20
Highest Channel



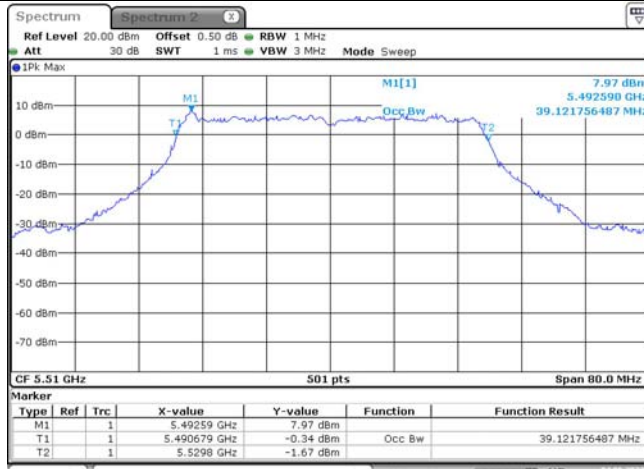
Date: 4 JUN 2023 16:40:37

802.11ax hew20
Cross Channel



99% Emission Bandwidth

802.11ax hew40
Lowest Channel



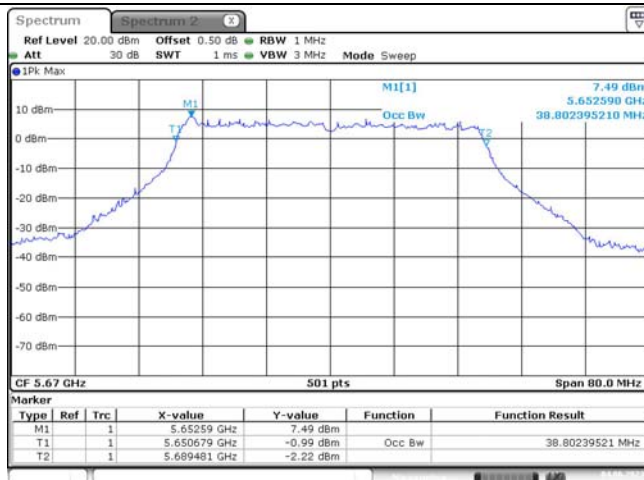
Date: 4 JUN 2023 16:41:44

802.11ax hew40
Middle Channel



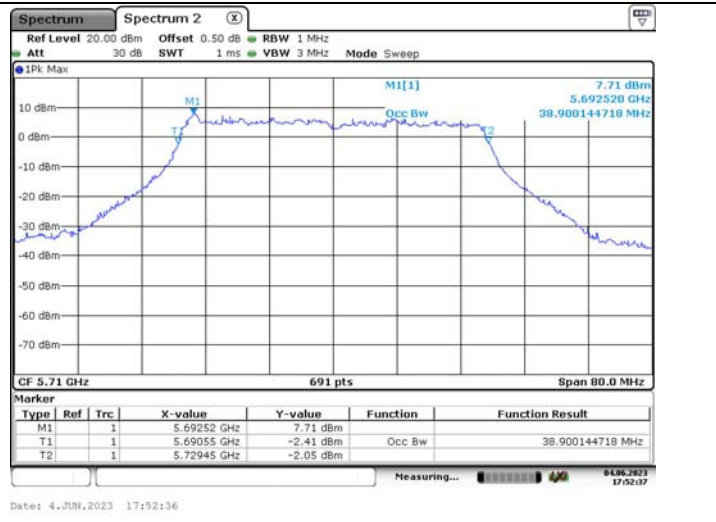
Date: 4 JUN 2023 16:43:20

802.11ax hew40
Highest Channel



Date: 4 JUN 2023 16:44:30

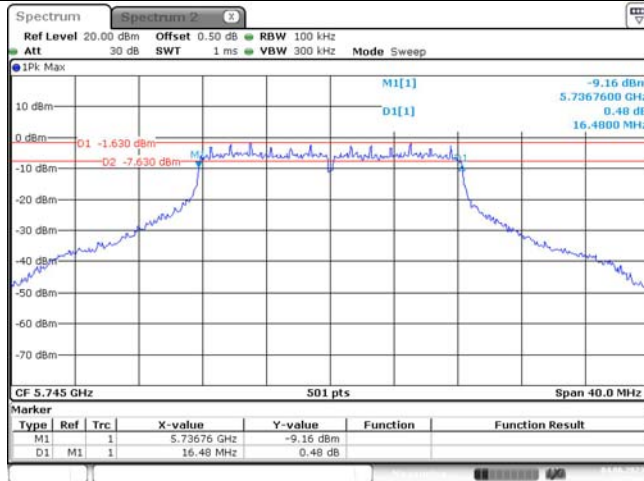
802.11ax hew40
Cross Channel



5725-5850MHz:

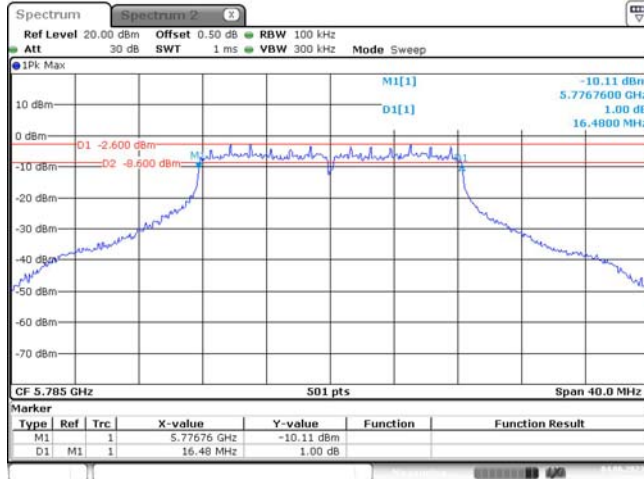
6dB Emission Bandwidth

802.11a
Lowest Channel



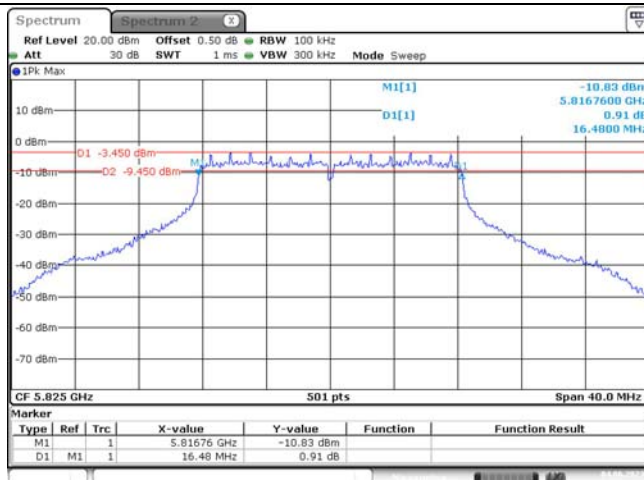
Date: 4 JUN 2023 17:17:01

802.11a
Middle Channel



Date: 4 JUN 2023 17:13:49

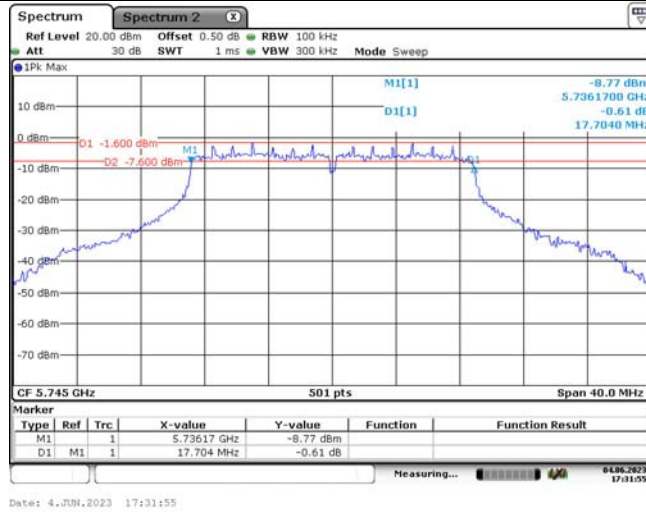
802.11a
Highest Channel



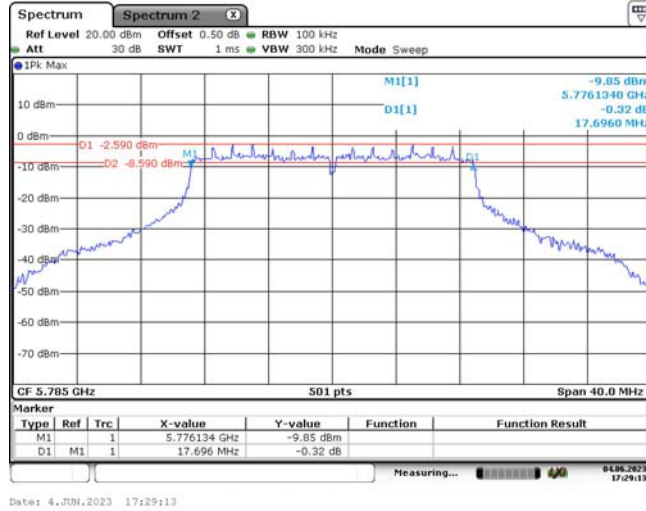
Date: 4 JUN 2023 17:24:01

6dB Emission Bandwidth

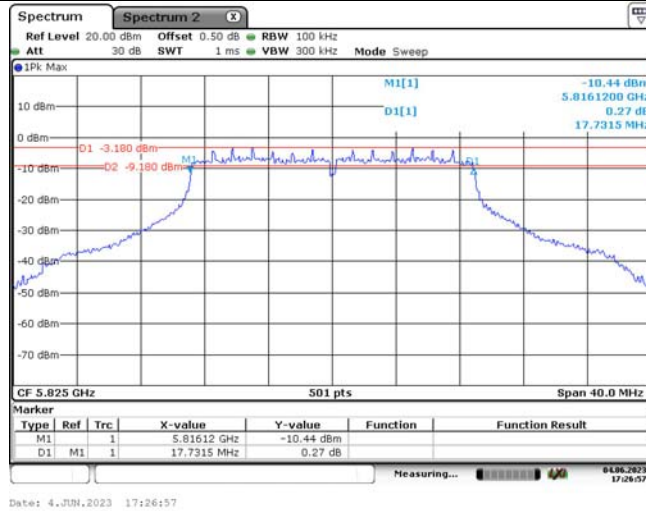
802.11n ht20
Lowest Channel



802.11n ht20
Middle Channel

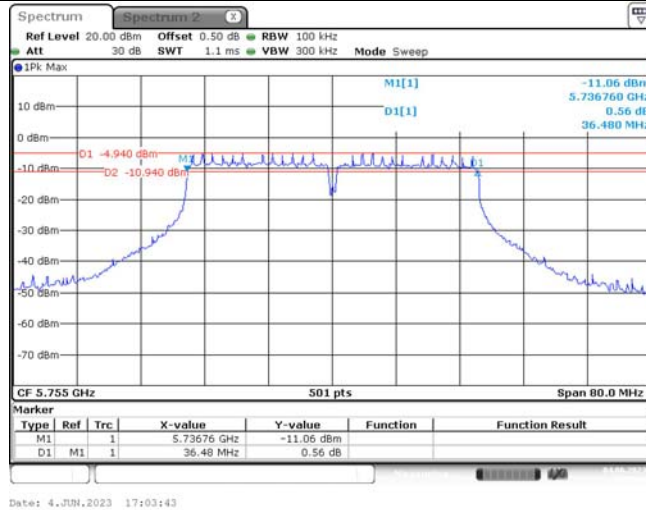


802.11n ht20
Highest Channel



6dB Emission Bandwidth

802.11n ht40
Lowest Channel



802.11n ht40
Highest Channel

