



TEST REPORT

Applicant: Acer Incorporated
Address: 8F, 88, Sec.1 Xintai 5th Rd. Xizhi, New Taipei City
221, Taiwan
Equipment Type: Tablet PC
Model Name: A25003
Brand Name: acer
Marketing Name: A12-11MN
FCC ID: HLZA25003
ISED Number: 1754F-A25003
Test Standard: 47 CFR Part 15 Subpart C
RSS-Gen Issue 5
RSS-247 Issue 3
(refer to section 3.1)
Sample Arrival Date: Apr. 30, 2025
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ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Julie Zhu**Checked by:** Ye Hongji**Approved by:** Sunny Zou
(Technical Director)

Julie Zhu

Ye Hongji

Sunny Zou

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jul. 18, 2025</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Acer Incorporated
Address	8F, 88, Sec.1 Xintai 5th Rd. Xizhi, New Taipei City 221, Taiwan

2.2 Manufacturer Information

Manufacturer	Acer Incorporated
Address	8F, 88, Sec.1 Xintai 5th Rd. Xizhi, New Taipei City 221, Taiwan

2.3 General Description for Equipment under Test (EUT)

EUT Name	Tablet PC
Model Name Under Test	A25003
Series Model Name	N/A
Description of Model name differentiation	N/A
Marketing Name	A12-11MN
Serial Number	23800078703
Hardware Version	BND-H60 V2.0
Software Version	Acer_AV0V0_A12-11MN_RV00RC01_EEA_GEN1
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac and 802.11ax GPS, GLONASS, BDS, Galileo
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The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	802.11b/g/n/ax(20 MHz): 2.412 GHz - 2.462 GHz $f_c = 2412 \text{ MHz} + (N-1)*5 \text{ MHz}$, where - f_c = "Operating Frequency" in MHz, - N = "Channel Number" with the range from 1 to 11. 802.11n/ax(40 MHz): 2.422 GHz - 2.452 GHz $f_c = 2412 \text{ MHz} + (N-1)*5 \text{ MHz}$, where - f_c = "Operating Frequency" in MHz, - N = "Channel Number" with the range from 3 to 9.
Modulation Technology	DSSS, OFDM, OFDMA
Product Type	☐ Mobile ☒ Portable ☐ Fix Location
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	0.58 dBi
About the Product	Only the WIFI 802.11b, 802.11g, 802.11n (HT20/40) and 802.11ax (HE20/40) was tested in this report.

802.11ax RU configuration table					
Mode	Full RU (SU)	RU_26	RU_52	RU_106	RU_242
802.11ax20	√	--	--	--	--
802.11ax40	√	--	--	--	--

Modulation technology	Modulation Type	Transfer Rate (Mbps)(Single RF path)
DSSS (802.11b)	DBPSK	1
	DQPSK	2
	CCK	5.5/11
OFDM (802.11g)	BPSK	6/9
	QPSK	12/18
	16QAM	24/36
	64QAM	48/54
OFDM (802.11n-20 MHz)	BPSK	6.5/7.2
	QPSK	13/19.5/14.4/21.7
	16QAM	26/39/28.9/43.3
	64QAM	52/58.5/65/57.8/65/72.2
OFDM (802.11n-40 MHz)	BPSK	13.5/15
	QPSK	27/40.5/30/45
	16QAM	54/81/60/90
	64QAM	108/121.5/135/120/150
OFDMA (802.11ax-20 MHz)	BPSK	4
	QPSK	16/24/17/26
	16QAM	33/49/34/52
	64QAM	65/73/81/69/77/86
	256QAM	98/108/103/115
	1024QAM	122/135/129/143
OFDMA (802.11ax-40 MHz)	BPSK	8/9
	QPSK	33/49/34/52
	16QAM	65/98/69/103
	64QAM	130/146/163/138/155/172
	256QAM	195/217/207/229
	1024QAM	244/271/258/287

Note: Preliminary tests were performed in different data rate in above table to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Channel	
Output Power	11b/11g/11n20/11n40/ 11ax20/11ax40	1/6/6.5/13.5/ 4/8 Mbps	1/6/11	3/6/9
Occupied Bandwidth	11b/11g/11n20/11n40/ 11ax20/11ax40	1/6/6.5/13.5/ 4/8 Mbps	1/6/11	3/6/9
Conducted Spurious Emission	11b/11g/11n20/11n40/ 11ax20/11ax40	1/6/6.5/13.5/ 4/8 Mbps	1/6/11	3/6/9
Conducted Emission	11b/11g/11n20/11n40/ 11ax20/11ax40	1/6/6.5/13.5/ 4/8 Mbps	1/6/11	3/6/9
Radiated Spurious Emission	11b/11g/11n20/11n40/ 11ax20/11ax40	1/6/6.5/13.5/ 4/8 Mbps	1/6/11	3/6/9
Band Edge	11b/11g/11n20/11n40/ 11ax20/11ax40	1/6/6.5/13.5/ 4/8 Mbps	1/6/11	3/6/9
Power spectral density (PSD)	11b/11g/11n20/11n40/ 11ax20/11ax40	1/6/6.5/13.5/ 4/8 Mbps	1/6/11	3/6/9

Note: The above EUT information in section 2.4 was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15, Subpart C	Intentional radiators of radio frequency equipment
2	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
3	RSS-247 Issue 3	Digital Transmission Systems (DTSs), Frequency Hopping Systems(FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices
4	ANSI C63.10-2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
5☆	KDB Publication 558074 D01v05r02	GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES

3.2 Test Verdict

No.	Description	FCC PART No.	ISED Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 5.4 (f)	N/A	Pass ^{Note 1}
2	Output Power	15.247 (b)	RSS-247, 5.4 (d)	ANNEX A.1	Pass
3	Occupied Bandwidth	15.247 (a)	RSS-GEN, 6.7; RSS-247, 5.2 (a)	ANNEX A.2	Pass
4	Conducted Spurious Emission	15.247 (d)	RSS-247, 5.5	ANNEX A.3	Pass
5	Band Edge(Authorized-band band-edge)	15.247 (d)	RSS-GEN, 8.9; RSS-247, 5.5	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass
7	Radiated Spurious Emission	15.209; 15.247 (d)	RSS-247, 5.5	ANNEX A.6	Pass
8	Band Edge(Restricted-band band-edge)	15.209; 15.247 (d)	RSS-247, 5.5	ANNEX A.7	Pass
9	Power spectral density (PSD)	15.247 (e)	RSS-247, 5.2 (b)	ANNEX A.8	Pass
10	Receiver Spurious Emissions	N/A	RSS-Gen, 7.3	N/A	N/A ^{Note 2}

Note ¹: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note ²: Only radio communication receivers operating in stand-alone mode within the band 30-960 MHz, as well as scanner receivers, are subject to Industry Canada requirements, so this test is not applicable.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	42% to 69%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.0℃ to +26.1℃
Working Voltage of the EUT	NV (Normal Voltage)	3.80 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2024.12.16	2025.12.15
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2024.07.04	2025.07.03
Power Sensor	KEYSIGHT	U2063XA	MY58000247	2024.07.04	2025.07.03
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2024.08.01	2025.07.31
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2024.05.16	2027.05.15
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2024.07.28	2027.07.27
Amplifier	COM-MV	LSCX_LNA1-12G-01	7210214	2024.08.01	2025.07.31
Amplifier	COM-MV	XKu_LNA7-18G-01	7210209	2024.08.01	2025.07.31
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2024.12.05	2025.12.04
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2023.08.04	2026.08.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2024.11.28	2025.11.27
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2024.07.13	2027.07.12
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2025.04.29	2026.04.28
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2025.02.14	2028.02.13

4.3 Test Software List

Description	Manufacturer	Software Version	Serial No.	Applicable test Setup
BL410R	BALUN	V2.1.1.488	N/A	The section 4.5.1
BL410E	BALUN	V22.930	N/A	The section 4.5.2&4.5.3&4.5.4&4.5.5

4.4 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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

Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8℃
Humidity	4%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

Conducted value (dBm) = 10 dBm + 0.5 dB = 10.5 dBm



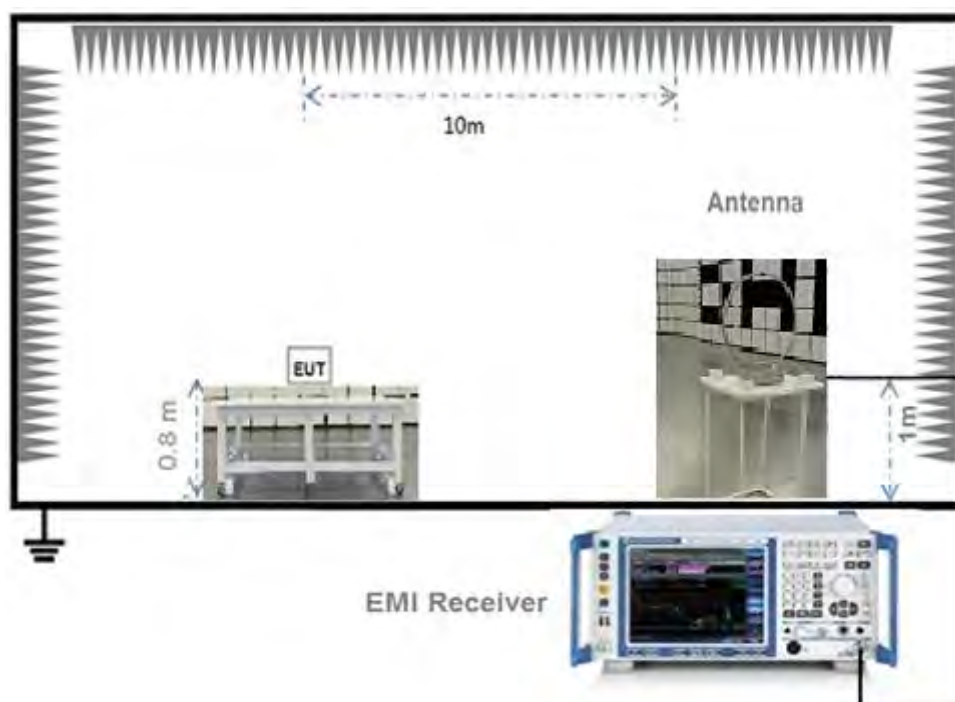
(Diagram 1)

4.5.2 For AC Power Supply Port Test



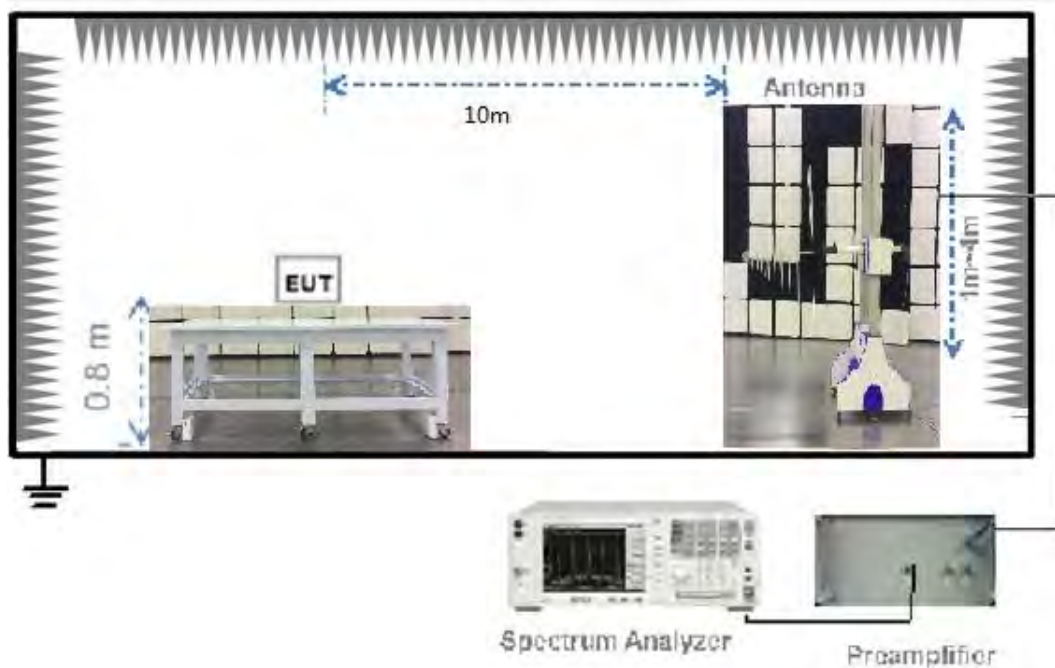
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



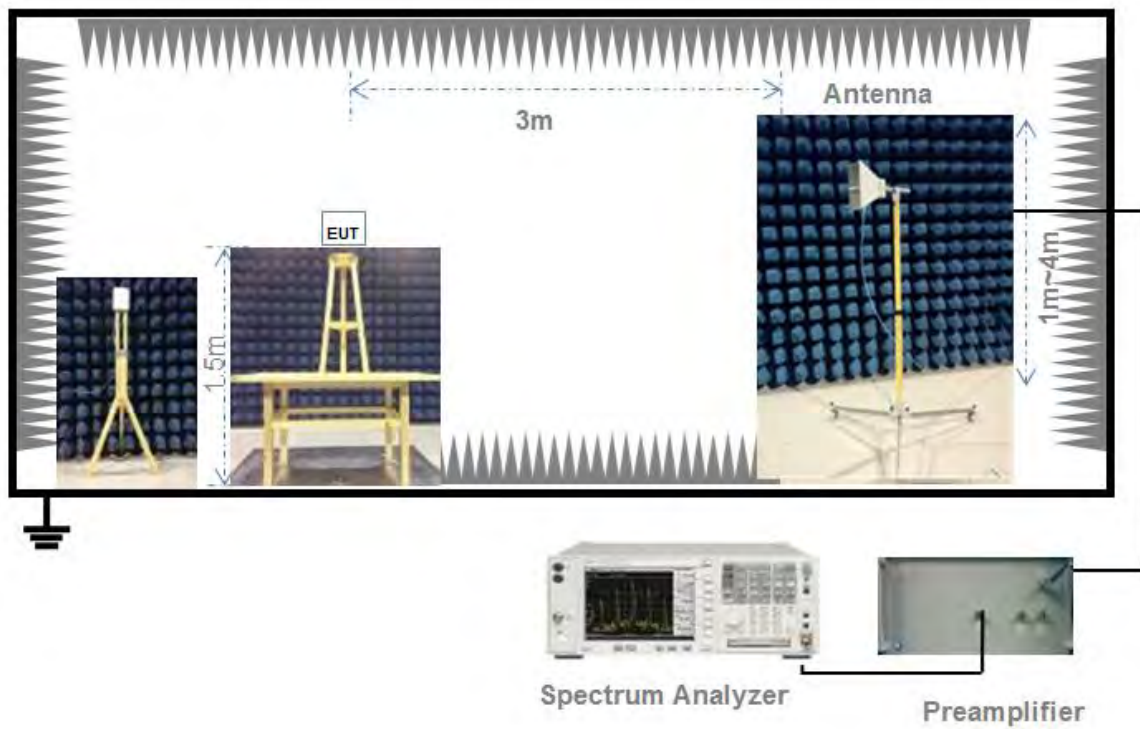
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

4.6 Measurement Results Explanation Example

4.6.1 For conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

4.6.2 For radiated band edges and spurious emission test:

$$E = \text{EIRP} - 20\log D + 104.8$$

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

EIRP = Measure Conducted output power Value (dBm) + Maximum transmit antenna gain (dBi) + the appropriate maximum ground reflection factor (dB)

5 TEST ITEMS

5.1 Antenna Requirements

5.1.1 Relevant Standards

FCC §15.203; RSS-247, 5.4 (f)

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, or § 15.221. 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.

If directional gain of transmitting antennas is greater than 6 dBi, the power shall be reduced by the same level in dB comparing to gain minus 6 dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. 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 FCC rule.

5.1.2 Antenna Anti-Replacement Construction

The Antenna Anti-Replacement as following method:

Protected Method	Description
The antenna is embedded in the product.	An embedded-in antenna design is used.

Reference Documents	Item
Photo	Please refer to the EUT Photo documents.

5.1.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

5.2 Output Power

5.2.1 Test Limit

FCC § 15.247(b); RSS-247, 5.4 (d)

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements.

5.2.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

Maximum peak conducted output power

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.

The EUT shall be transmitted at its maximum power control level.

EIRP= Maximum peak conducted output power +Antenna Gain.

Maximum conducted (average) output power (Reporting Only)

a) As an alternative to spectrum analyzer or EMI receiver measurements, measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied.

- 1) The EUT is configured to transmit continuously, or to transmit with a constant duty factor.
 - 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
 - 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
- b) If the transmitter does not transmit continuously, measure the duty cycle (x) of the transmitter output signal.
- c) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
- d) Adjust the measurement in dBm by adding $10\log(1/x)$, where x is the duty cycle.

Measurements of duty cycle

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.

Set the center frequency of the instrument to the center frequency of the transmission.

Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.

Set $VBW \geq RBW$. Set detector = peak or average.

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 duty cycle shall not be used if $T \leq 16.7$ microseconds.)

5.2.4 Test Result

Please refer to ANNEX A.1.

5.3 Occupied Bandwidth

5.3.1 Limit

FCC §15.247(a); RSS-GEN, 6.7; RSS-247, 5.2 (a)

Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW. The 6 dB bandwidth must be greater than 500 kHz.

5.3.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

Use the following spectrum analyzer settings:

Set RBW = 100 kHz.

Set the video bandwidth (VBW) ≥ 3 RBW.

Detector = Peak.

Trace mode = max hold.

Sweep = auto couple.

Allow the trace to stabilize.

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.

5.3.4 Test Result

Please refer to ANNEX A.2.

5.4 Conducted Spurious Emission

5.4.1 Limit

FCC §15.247(d); RSS-247, 5.5

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

5.4.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

The DTS rules specify that in any 100 kHz bandwidth outside of the authorized frequency band, the power shall be attenuated according to the following conditions:

- a) If the maximum peak conducted output power procedure was used to demonstrate compliance as described in 9.1, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).
- b) If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).
- c) In either case, attenuation to levels below the 15.209 general radiated emissions limits is not required.

The following procedures shall be used to demonstrate compliance to these limits. Note that these procedures can be used in either an antenna-port conducted or radiated test set-up. Radiated tests must conform to the test site requirements and utilize maximization procedures defined herein.

Reference level measurement

Establish a reference level by using the following procedure:

Set instrument center frequency to DTS channel center frequency.

Set the span to ≥ 1.5 times the DTS bandwidth.

Set the RBW = 100 kHz.

Set the VBW $\geq 3 \times$ RBW.

Detector = peak.

Sweep time = auto couple.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum PSD level.

Emission level measurement

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.

Set the RBW = 100 kHz.

Set the VBW $\geq 3 \times$ RBW.

Detector = peak.

Sweep time = auto couple.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements specified in 11.1 a) or 11.1 b). Report the three highest emissions relative to the limit.

5.4.4 Test Result

Please refer to ANNEX A.3.

5.5 Band Edge (Authorized-band band-edge)

5.5.1 Limit

FCC §15.247(d); RSS-GEN, 8.9, RSS-247, 5.5

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

5.5.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

The following procedures may be used to determine the peak or average field strength or power of an unwanted emission that is within 2 MHz of the authorized band edge. If a peak detector is utilized, use the procedure described in 13.2.1. Use the procedure described in 13.2.2 when using an average detector and the EUT can be configured to transmit continuously (i.e., duty cycle $\geq 98\%$). Use the procedure described in 13.2.3 when using an average detector and the EUT cannot be configured to transmit continuously but the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent). Use the procedure described in 13.2.4 when using an average detector for those cases where the EUT cannot be configured to transmit continuously and the duty cycle is not constant (duty cycle variations equal or exceed 2 percent).

When using a peak detector to measure unwanted emissions at or near the band edge (within 2 MHz of the authorized band), the following integration procedure can be used.

Set instrument center frequency to the frequency of the emission to be measured (must be within 2 MHz of the authorized band edge).

Set span to 2 MHz

RBW = 100 kHz.

VBW $\geq 3 \times$ RBW.

Detector = peak.

Sweep time = auto.

Trace mode = max hold.

Allow sweep to continue until the trace stabilizes (required measurement time may increase for low duty cycle applications)

Compute the power by integrating the spectrum over 1 MHz using the analyzer's band power measurement function with band limits set equal to the emission frequency (femission) ± 0.5 MHz. If the instrument does not have a band power function, then sum the amplitude levels (in power units) at 100 kHz intervals extending across the 1 MHz spectrum defined by femission ± 0.5 MHz.

Standard method(The 99% OBW of the fundamental emission is without 2 MHz of the authorized band):

Span: Wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products that fall outside of the authorized band of operation.

Reference level: As required to keep the signal from exceeding the maximum instrument input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (\text{OBW/RBW})]$ below the reference level. Specific guidance is given in 4.1.5.2.

Attenuation: Auto (at least 10 dB preferred).

Sweep time: Coupled.

Resolution bandwidth: 100 kHz.

Video bandwidth: 300 kHz.

Detector: Peak.

Trace: Max hold.

5.5.4 Test Result

Please refer to ANNEX A.4.

5.6 Conducted Emission

5.6.1 Limit

FCC §15.207; RSS-GEN, 8.8

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 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 Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
0.50 - 30	60	50

5.6.2 Test Setup

See section 4.5.2 for test setup description for the AC power supply port. The photo of test setup please refer to ANNEX B.

5.6.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

5.6.4 Test Result

Please refer to ANNEX A.5.

5.7 Radiated Spurious Emission

5.7.1 Limit

FCC §15.209&15.247(d); RSS-247, 5.5

Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note:

1. For Above 1000 MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
2. For above 1000 MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).

5.7.2 Test Setup

See section 4.5.3 to 4.5.5 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.7.3 Test Procedure

Since the emission limits are specified in terms of radiated field strength levels, measurements performed to demonstrate compliance have traditionally relied on a radiated test configuration. Radiated measurements remain the principal method for demonstrating compliance to the specified limits; however antenna-port conducted measurements are also now acceptable to demonstrate compliance (see below for details). When radiated measurements are utilized, test site requirements and procedures for maximizing and measuring radiated emissions that are described in ANSI C63.10 shall be followed.

Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
- c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
- d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20\log D + 104.8$$

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

- f) Compare the resultant electric field strength level to the applicable limit.
- g) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

The specifications for measurements using the CISPR quasi-peak detector can be found in Publication 16 of the International Special Committee on Radio Frequency Interference (CISPR) of the International Electrotechnical Commission.

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable emission limits using a peak detector.

Peak power measurement procedure

Peak emission levels are measured by setting the instrument as follows:

- a) RBW = as specified in Table 1.
- b) VBW $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Sweep time = auto.
- e) Trace mode = max hold.
- f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be

longer for low duty cycle applications).

Table 1—RBW as a function of frequency

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.

Trace averaging across on and off times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT (i.e., duty cycle ≥ 98 percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent), then the following procedure shall be used:

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW $\geq 3 \times$ RBW.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.
- h) Perform a trace average of at least 100 traces.
- i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.
 - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where x is the duty cycle.
 - 3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

NOTE: Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

Determining the applicable transmit antenna gain

A conducted power measurement will determine the maximum output power associated with a restricted band emission; however, in order to determine the associated EIRP level, the gain of the transmitting antenna (in dBi) must be added to the measured output power (in dBm).

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

See KDB 662911 for guidance on calculating the additional array gain term when determining the effective antenna gain for a EUT with multiple outputs occupying the same or overlapping frequency ranges in the same band.

Radiated spurious emission test

An additional consideration when performing conducted measurements of restricted band emissions is that unwanted emissions radiating from the EUT cabinet, control circuits, power leads, or intermediate circuit elements will likely go undetected in a conducted measurement configuration. To address this concern, a radiated test shall be performed to ensure that emissions emanating from the EUT cabinet (rather than the antenna port) also comply with the applicable limits.

For these cabinet radiated spurious emission measurements the EUT transmit antenna may be replaced with a termination matching the nominal impedance of the antenna. Procedures for performing radiated measurements are specified in ANSI C63.10. All detected emissions shall comply with the applicable limits.

The measurement frequency range is from 30 MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.7.4 Test Result

Please refer to ANNEX A.6.

5.8 Band Edge (Restricted-band band-edge)

5.8.1 Limit

FCC §15.209&15.247(d); RSS-247, 5.5

Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

5.8.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.8.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported, Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

For transmitters operating above 1 GHz repeat the measurement with an average detector.

5.8.4 Test Result

Please refer to ANNEX A.7.

5.9 Power Spectral density (PSD)

5.9.1 Limit

FCC §15.247(e); RSS-247, 5.2 (b)

The same method of determining the conducted output power shall be used to determine the power spectral density. If a peak output power is measured, then a peak power spectral density measurement is required. If an average output power is measured, then an average power spectral density measurement should be used.

5.9.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.9.3 Test Procedure

Set analyzer center frequency to DTS channel center frequency.

Set the span to 1.5 times the DTS bandwidth.

Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.

Set the VBW $\geq 3 \text{ RBW}$.

Detector = peak.

Sweep time = auto couple.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

5.9.4 Test Result

Please refer to ANNEX A.8.

ANNEX A TEST RESULT

A.1 Output Power

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
802.11b	8.402	8.641	97.23%	0.12
802.11g	1.393	1.510	92.25%	0.35
802.11n-20 MHz	5.082	5.362	94.78%	0.23
802.11n-40 MHz	4.884	5.122	95.35%	0.21
802.11ax-20 MHz	3.870	4.034	95.93%	0.18
802.11ax-40 MHz	3.866	3.960	97.63%	0.10

Peak Power Test Data**802.11b Mode:**

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	12.65	18.41	30	1000	Pass
Middle	11.85	15.31			Pass
High	17.21	52.60			Pass

802.11g Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	19.37	86.50	30	1000	Pass
Middle	19.54	89.95			Pass
High	18.89	77.45			Pass

802.11n-20 MHz Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	19.45	88.10	30	1000	Pass
Middle	19.54	89.95			Pass
High	19.09	81.10			Pass

802.11n-40 MHz Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	19.24	83.95	30	1000	Pass
Middle	19.65	92.26			Pass
High	19.10	81.28			Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	21.19	131.52	30	1000	Pass
Middle	21.31	135.21			Pass
High	20.93	123.88			Pass

802.11ax-40 MHz(SU) Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	20.92	123.59	30	1000	Pass
Middle	21.42	138.68			Pass
High	20.82	120.78			Pass

Average Power Test Data

802.11b Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	9.54	8.99	30	1000	Pass
Middle	8.68	7.38			Pass
High	14.87	30.69			Pass

802.11g Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	12.72	18.71	30	1000	Pass
Middle	12.91	19.54			Pass
High	12.31	17.02			Pass

802.11n-20 MHz Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	13.15	20.65	30	1000	Pass
Middle	13.23	21.04			Pass
High	12.35	17.18			Pass

802.11n-40 MHz Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	12.84	19.23	30	1000	Pass
Middle	13.23	21.04			Pass
High	12.73	18.75			Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	12.39	17.34	30	1000	Pass
Middle	12.71	18.66			Pass
High	12.75	18.84			Pass

802.11ax-40 MHz(SU) Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	12.42	17.46	30	1000	Pass
Middle	13.21	20.94			Pass
High	12.19	16.56			Pass

E.I.R.P Test Data (For ISSED)

802.11b Mode:

Channel	E.I.R.P		Limit		Verdict
	dBm	mW	dBm	W	
Low	13.23	21.04	36	4	Pass
Middle	12.43	17.50			Pass
High	17.79	60.12			Pass

802.11g Mode:

Channel	E.I.R.P		Limit		Verdict
	dBm	mW	dBm	W	
Low	19.95	98.86	36	4	Pass
Middle	20.12	102.80			Pass
High	19.47	88.51			Pass

802.11n-20 MHz Mode:

Channel	E.I.R.P		Limit		Verdict
	dBm	mW	dBm	W	
Low	20.03	100.69	36	4	Pass
Middle	20.12	102.80			Pass
High	19.67	92.68			Pass

802.11n-40 MHz Mode:

Channel	E.I.R.P		Limit		Verdict
	dBm	mW	dBm	W	
Low	19.82	95.94	36	4	Pass
Middle	20.23	105.44			Pass
High	19.68	92.90			Pass

802.11ax-20 MHz(SU) Mode:

Channel	E.I.R.P		Limit		Verdict
	dBm	mW	dBm	W	
Low	21.77	150.31	36	4	Pass
Middle	21.89	154.53			Pass
High	21.51	141.58			Pass

802.11ax-40 MHz(SU) Mode:

Channel	E.I.R.P		Limit		Verdict
	dBm	mW	dBm	W	
Low	21.50	141.25	36	4	Pass
Middle	22.00	158.49			Pass
High	21.40	138.04			Pass

A.2 Occupied Bandwidth

Test Data

802.11b Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	9.200000	13.060000	≥500
Middle	9.200000	13.045000	≥500
High	9.200000	13.220000	≥500

802.11g Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	16.400000	17.904000	≥500
Middle	16.400000	17.868000	≥500
High	16.400000	17.893000	≥500

802.11n-20MHz Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	17.200000	18.997000	≥500
Middle	17.200000	18.994000	≥500
High	17.500000	19.012000	≥500

802.11n-40MHz Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	35.600000	36.579000	≥500
Middle	34.400000	36.613000	≥500
High	35.900000	36.605000	≥500

802.11ax-20 MHz(SU) Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	18.700000	19.453000	≥500
Middle	18.600000	19.481000	≥500
High	18.800000	19.520000	≥500

802.11ax-40 MHz(SU) Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	37.000000	37.817000	≥500
Middle	36.900000	37.949000	≥500
High	36.300000	37.884000	≥500

Test Plots

6 dB Bandwidth

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL



802.11n-20 MHz LOW CHANNEL



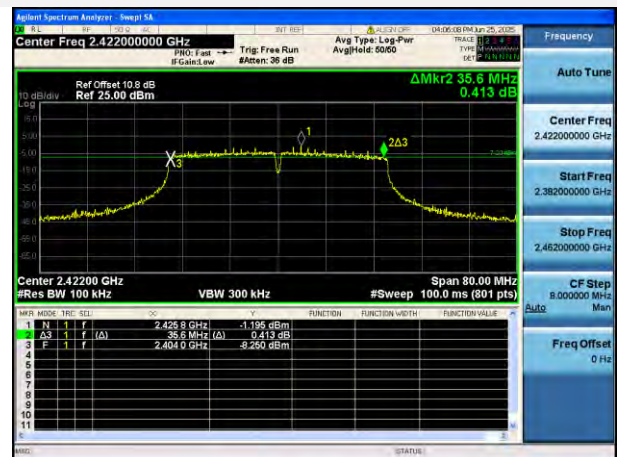
802.11n-20 MHz MIDDLE CHANNEL



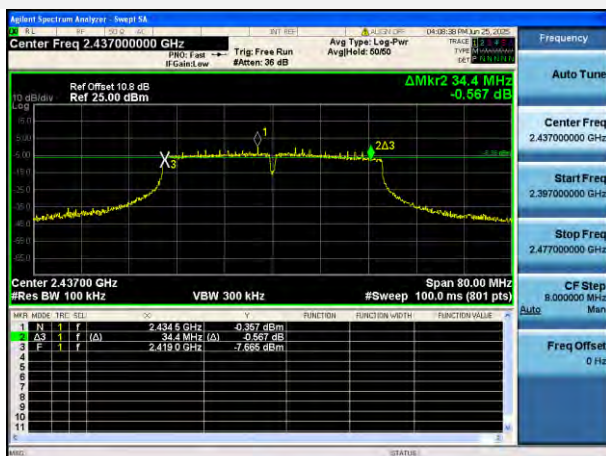
802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



802.11ax-20 MHz(SU) LOW CHANNEL



802.11ax-20 MHz(SU) MIDDLE CHANNEL



802.11ax-20 MHz(SU) HIGH CHANNEL



802.11ax-40 MHz(SU) LOW CHANNEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL

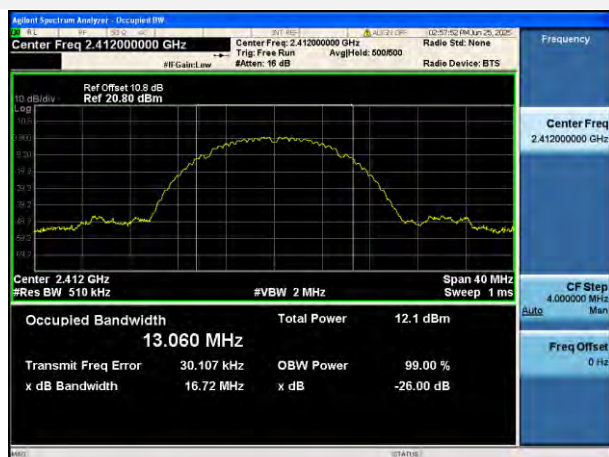


802.11ax-40 MHz(SU) HIGH CHANNEL



99% Bandwidth

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



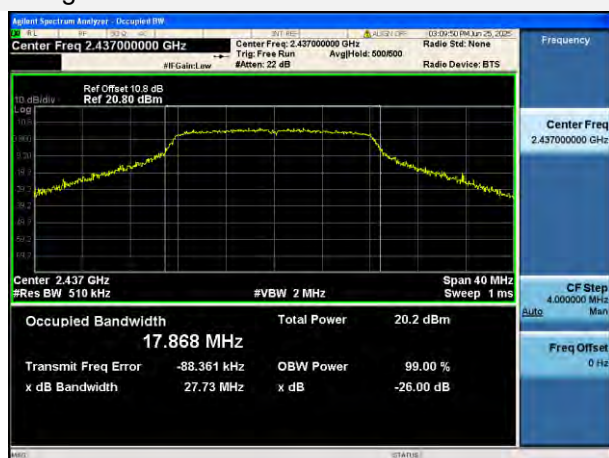
802.11b HIGH CHANNEL



802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL



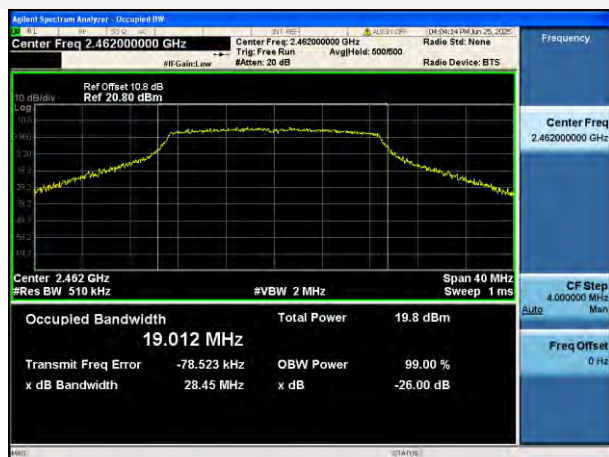
802.11n-20 MHz LOW CHANNEL



802.11n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



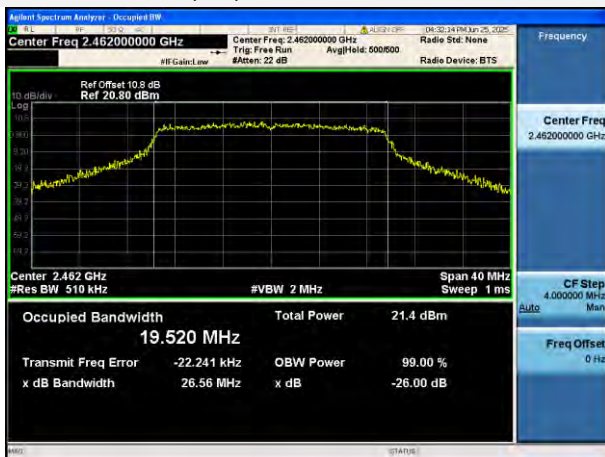
802.11ax-20 MHz(SU) LOW CHANNEL



802.11ax-20 MHz(SU) MIDDLE CHANNEL



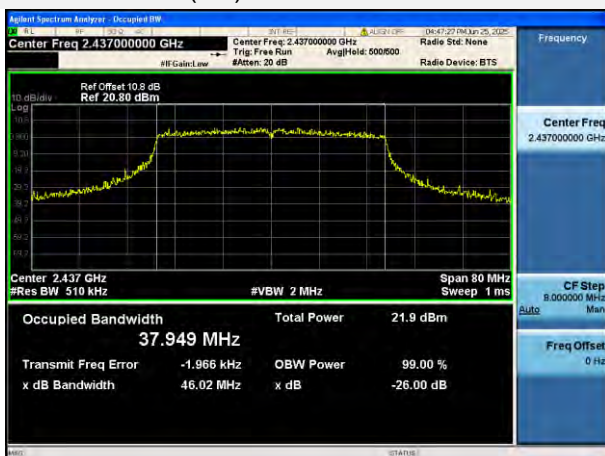
802.11ax-20 MHz(SU) HIGH CHANNEL



802.11ax-40 MHz(SU) LOW CHANNEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL



802.11ax-40 MHz(SU) HIGH CHANNEL



A.3 Conducted Spurious Emissions

Test Data

802.11b Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.63	1.35	-18.65	Pass
Middle	-36.53	0.54	-19.46	Pass
High	-36.37	6.36	-13.64	Pass

802.11g Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.34	2.74	-17.26	Pass
Middle	-36.66	2.93	-17.07	Pass
High	-36.40	2.28	-17.72	Pass

802.11n-20MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.37	2.65	-17.35	Pass
Middle	-36.52	2.41	-17.59	Pass
High	-36.36	2.43	-17.57	Pass

802.11n-40MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.63	-0.58	-20.58	Pass
Middle	-36.45	-0.15	-20.15	Pass
High	-37.03	-0.85	-20.85	Pass

802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.08	2.85	-17.15	Pass
Middle	-36.00	2.88	-17.12	Pass
High	-36.93	2.56	-17.44	Pass

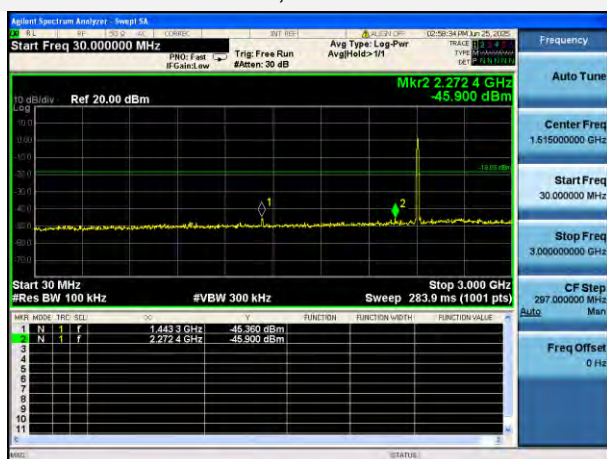
802.11ax-40 MHz(SU) Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.75	-0.62	-20.62	Pass
Middle	-36.64	-0.35	-20.35	Pass
High	-36.59	-0.60	-20.60	Pass

802.11b LOW CHANNEL CARRIER LEVEL



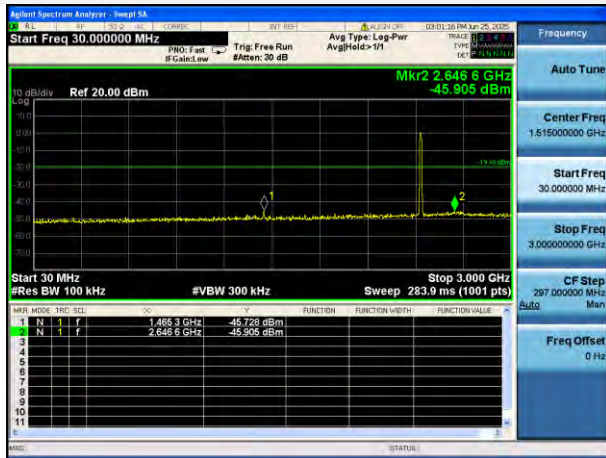
802.11b LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz 802.11b LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



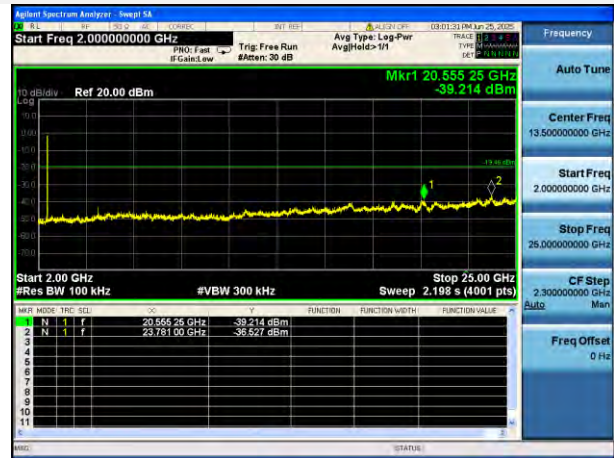
802.11b MIDDLE CHANNEL CARRIER LEVEL



802.11b MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



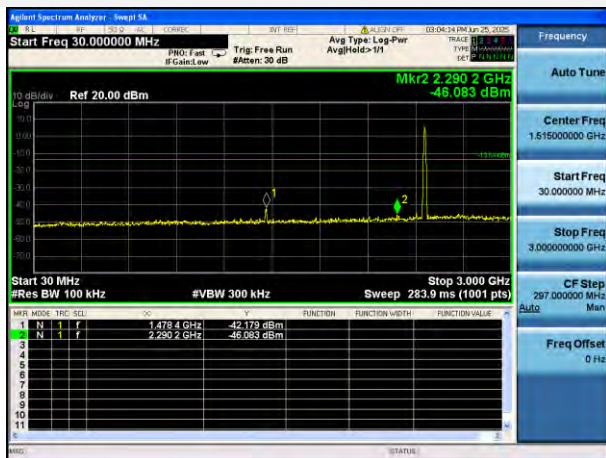
802.11b MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



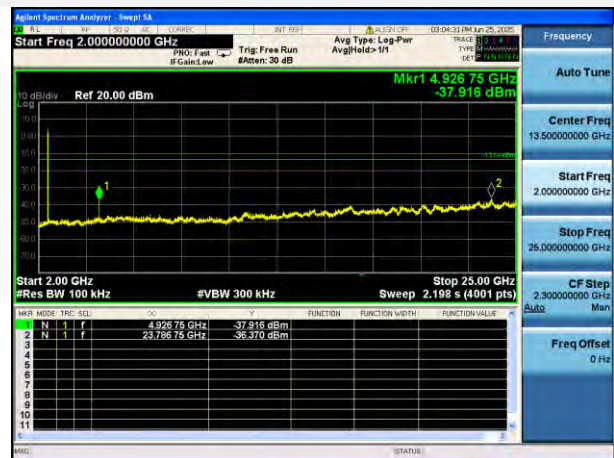
802.11b HIGH CHANNEL CARRIER LEVEL



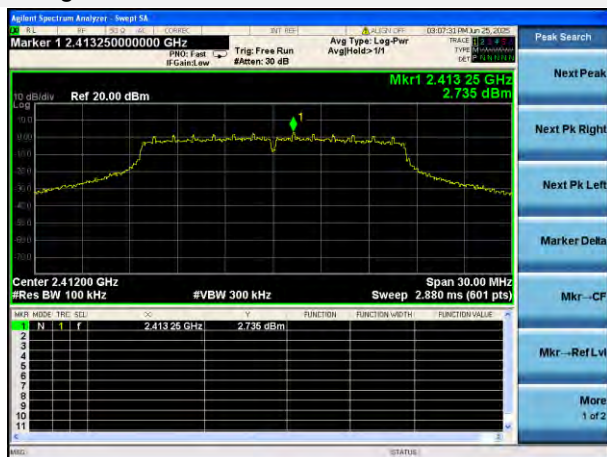
802.11b HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



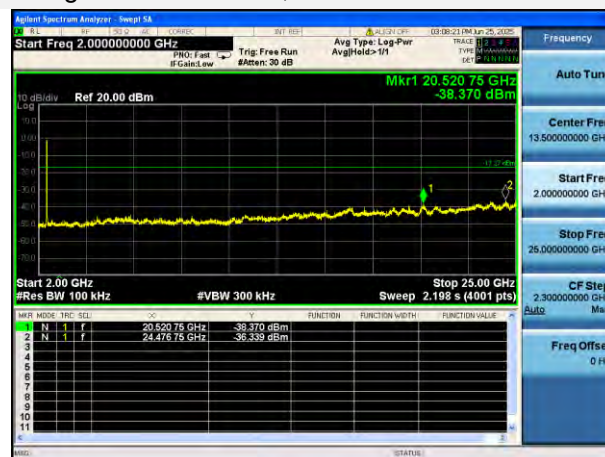
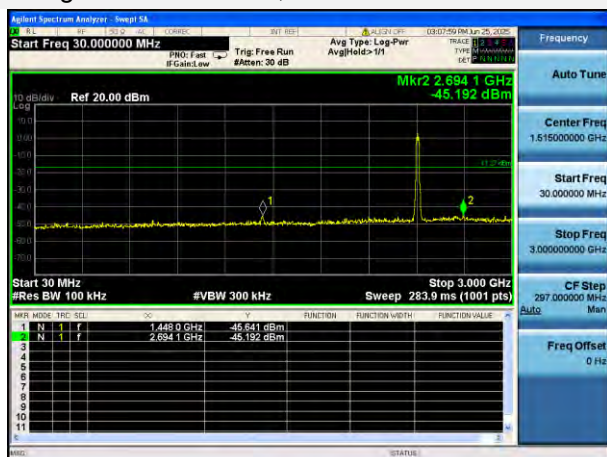
802.11b HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



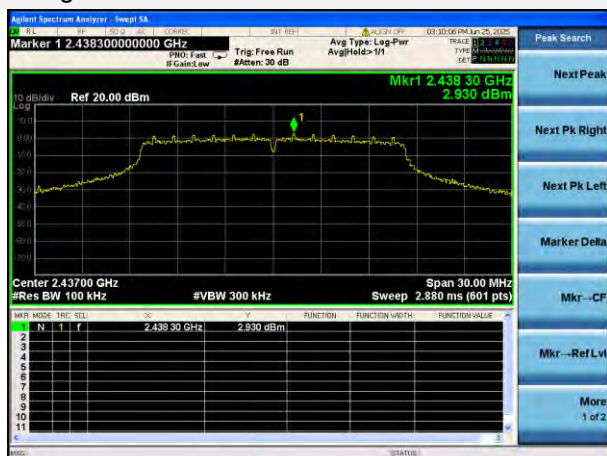
802.11g LOW CHANNEL CARRIER LEVEL



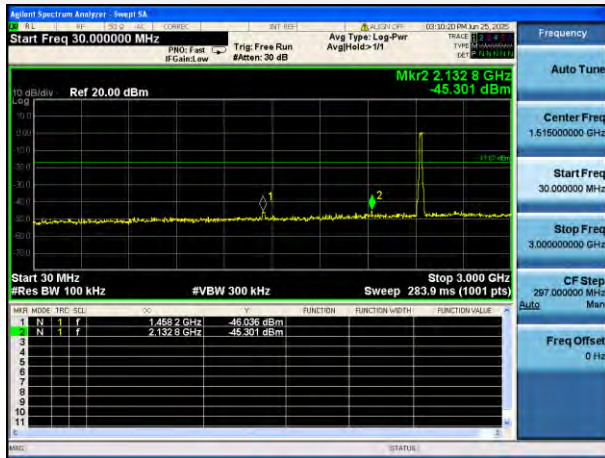
802.11g LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz 802.11g LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



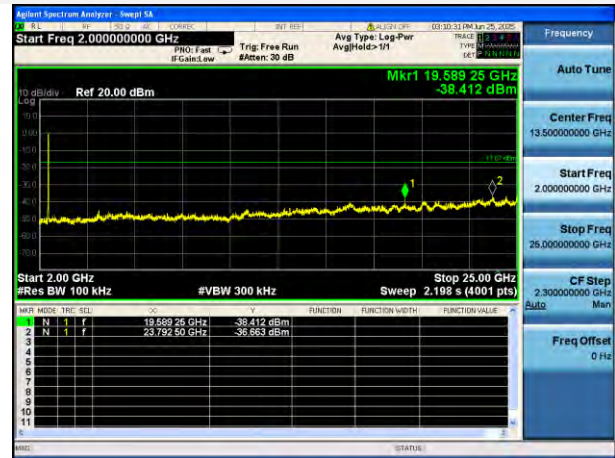
802.11g MIDDLE CHANNEL CARRIER LEVEL



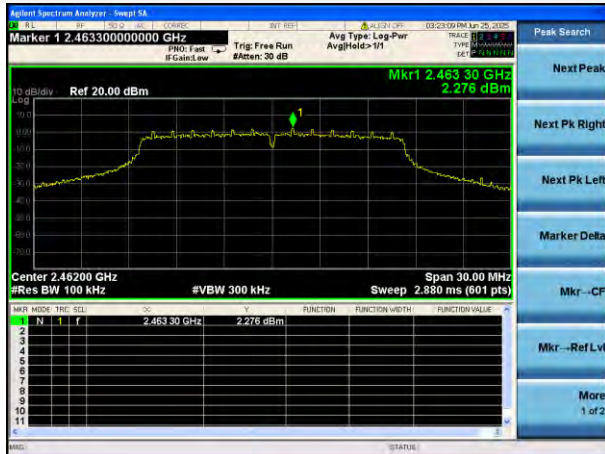
802.11g MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



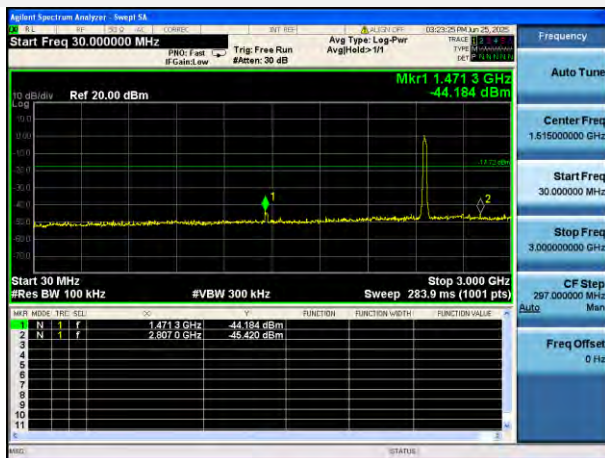
802.11g MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



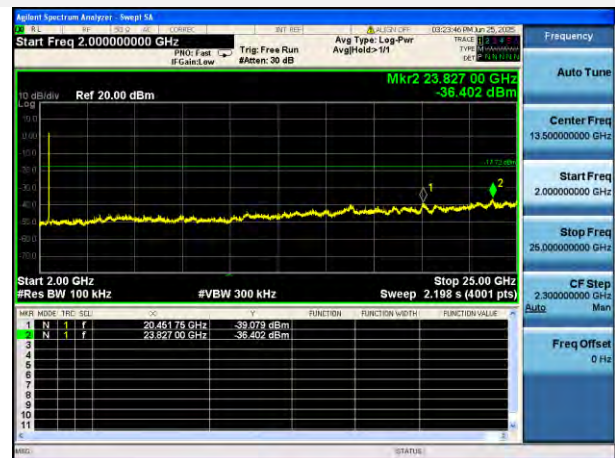
802.11g HIGH CHANNEL CARRIER LEVEL



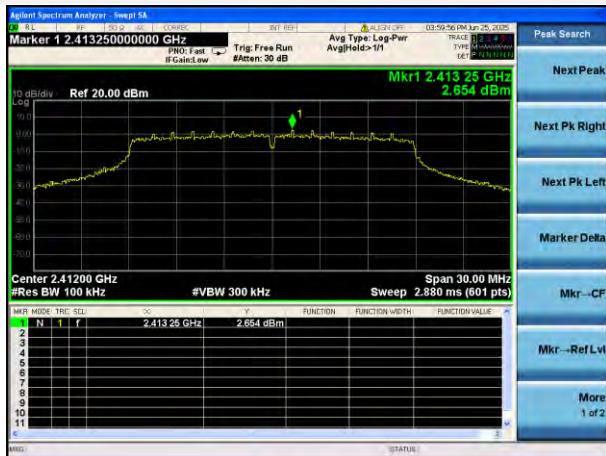
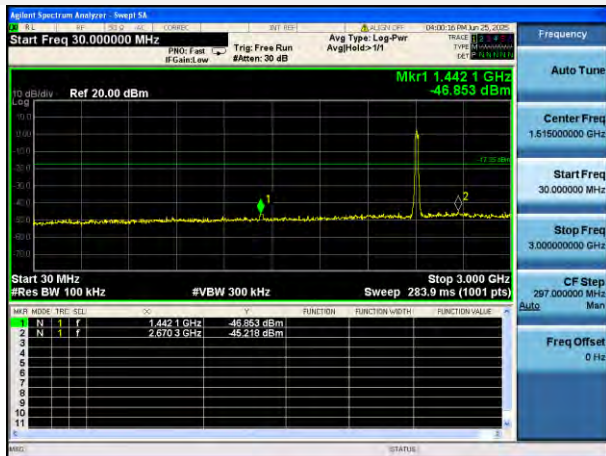
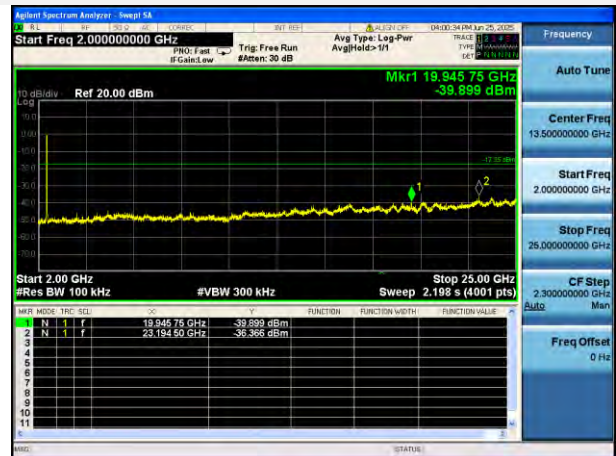
802.11g HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



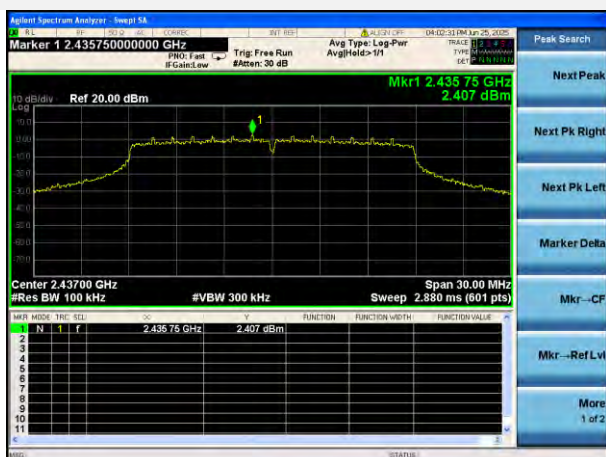
802.11g HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



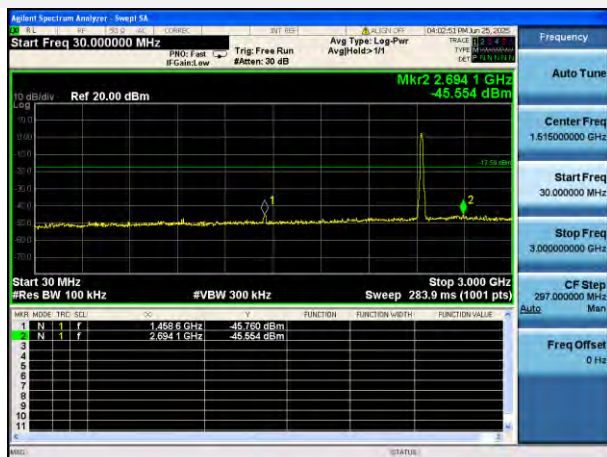
802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

802.11n-20 MHz LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-20 MHz LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

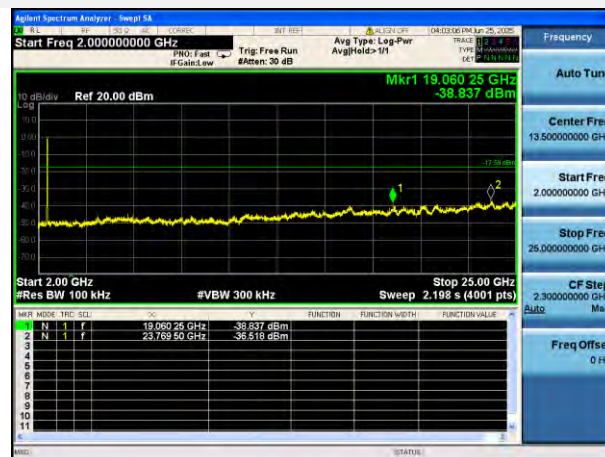
802.11n-20 MHz MIDDLE CHANNEL CARRIER LEVEL



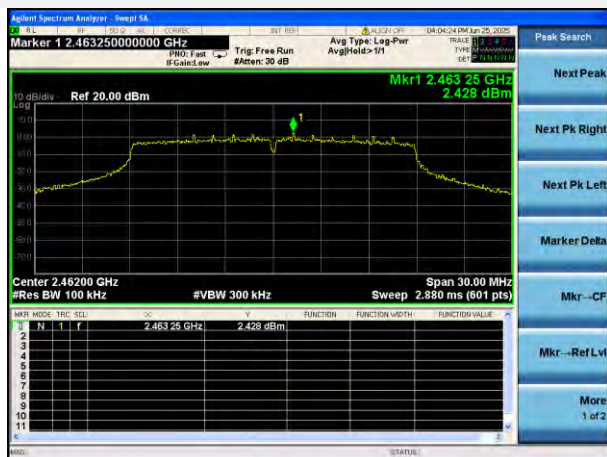
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



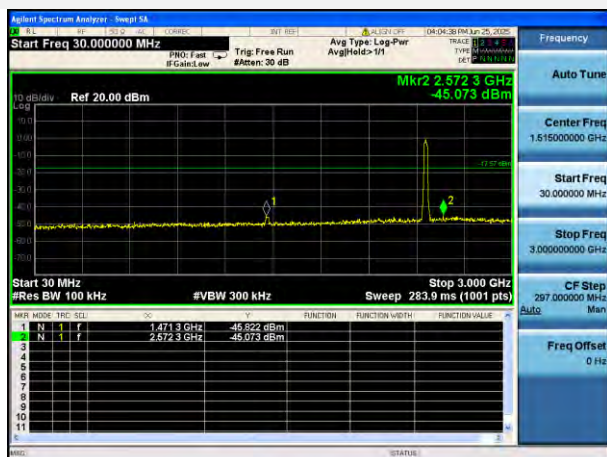
802.11n-20 MHz MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



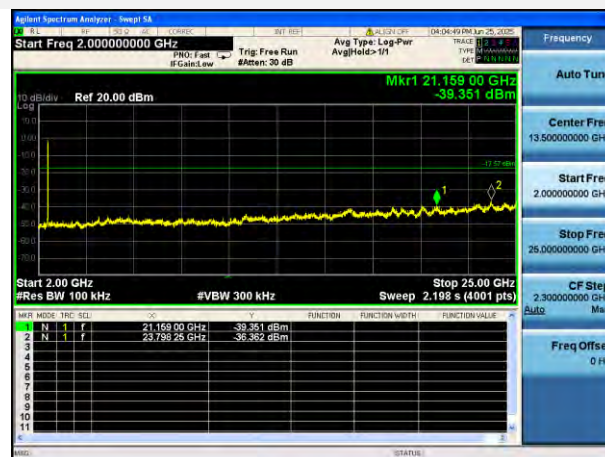
802.11n-20 MHz HIGH CHANNEL CARRIER LEVEL



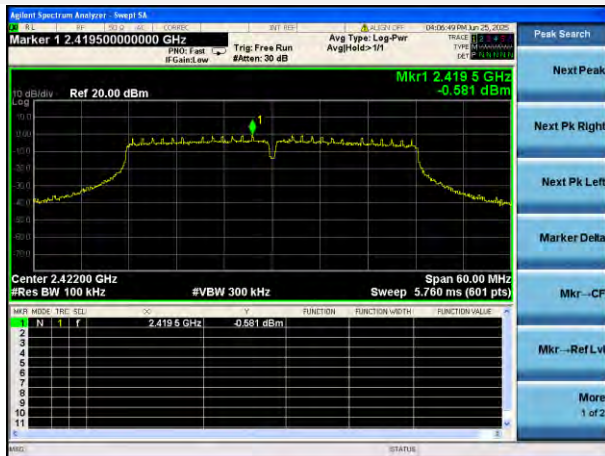
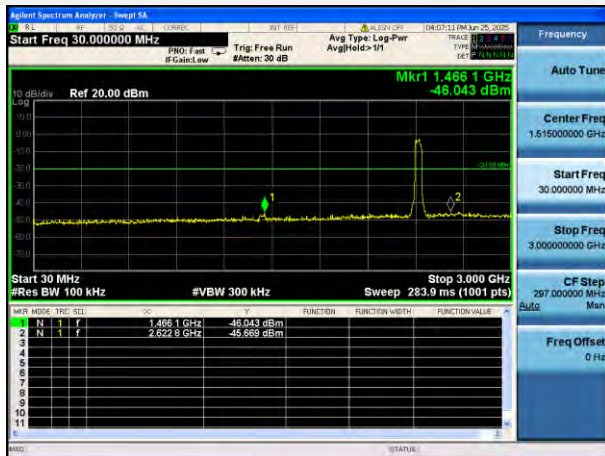
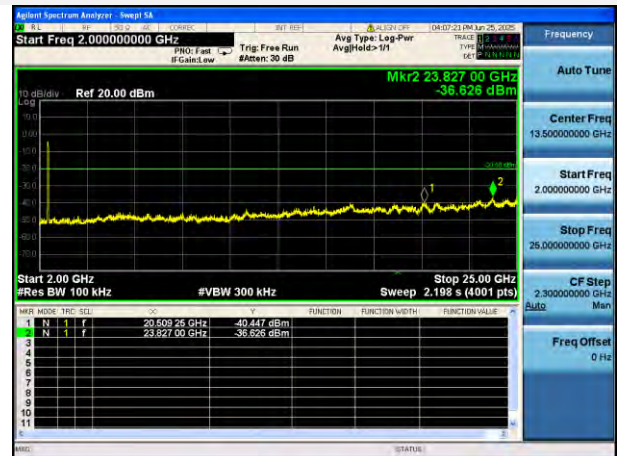
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



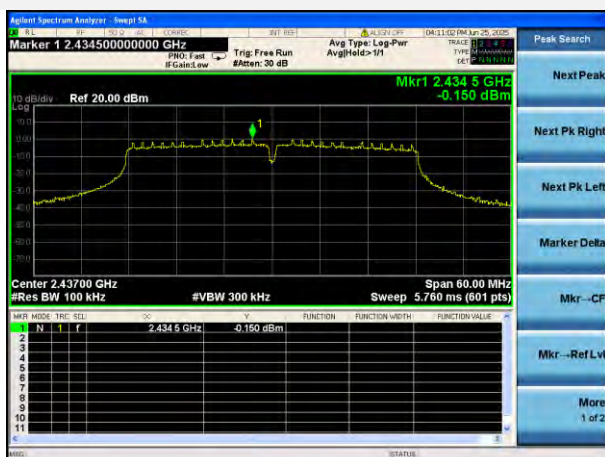
802.11n-20 MHz HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



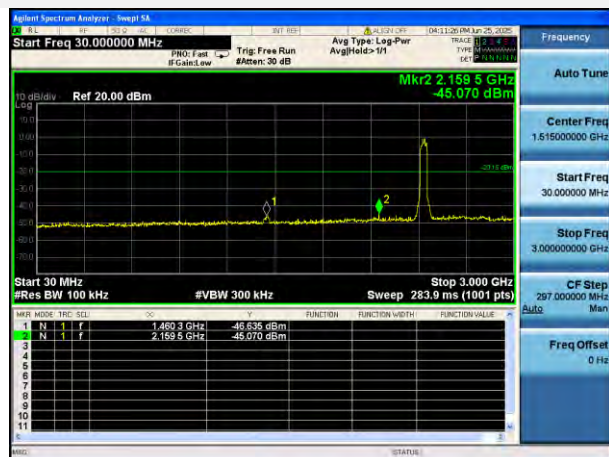
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

802.11n-40 MHz LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-40 MHz LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

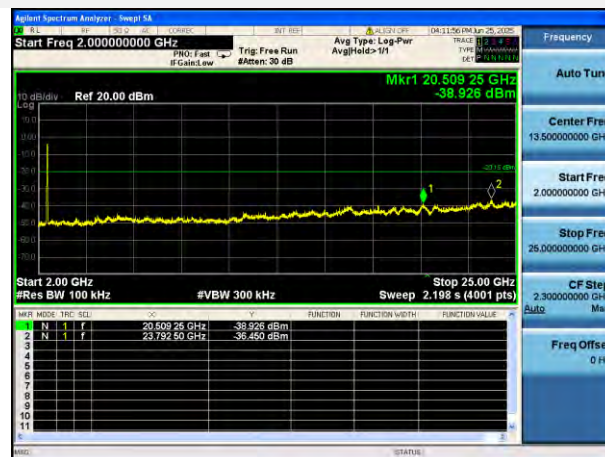
802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL



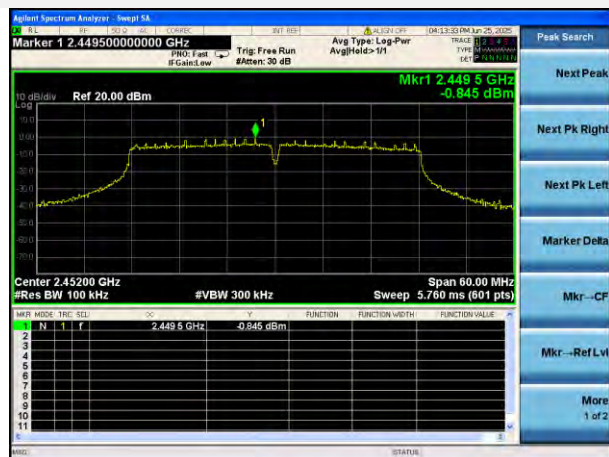
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



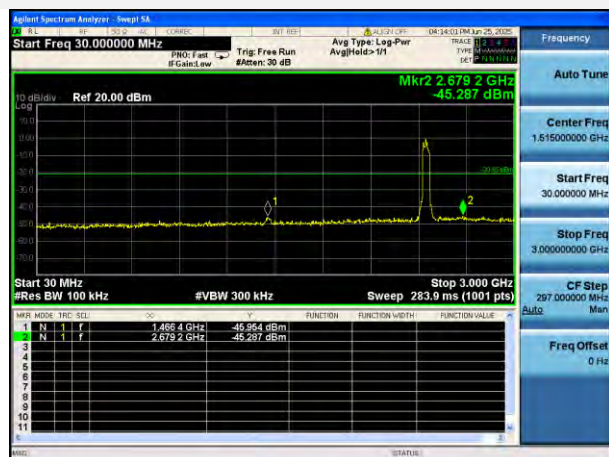
802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



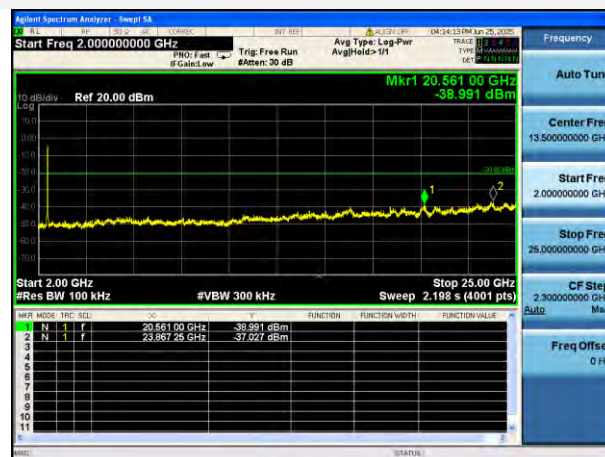
802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL



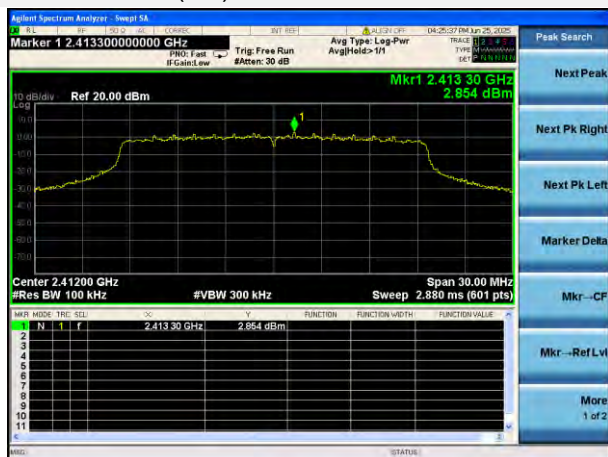
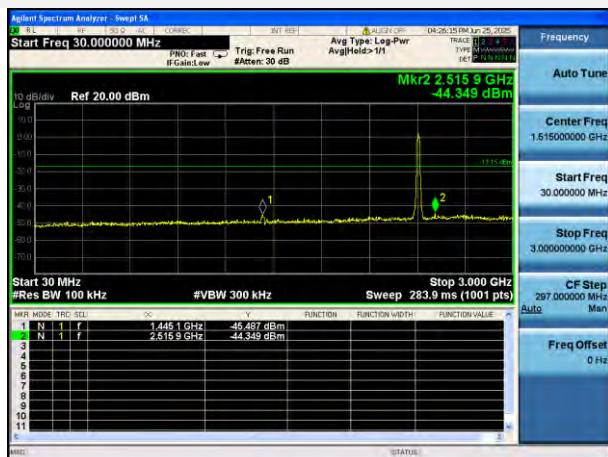
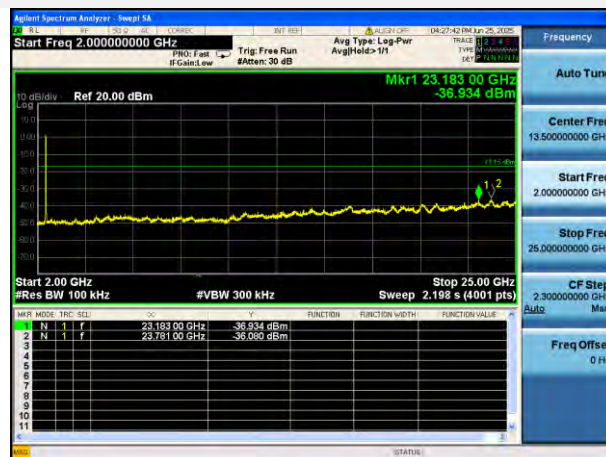
802.11n-40 MHz HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



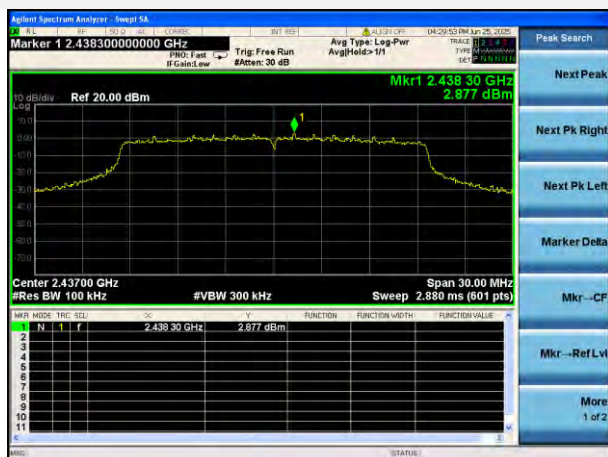
802.11n-40 MHz HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



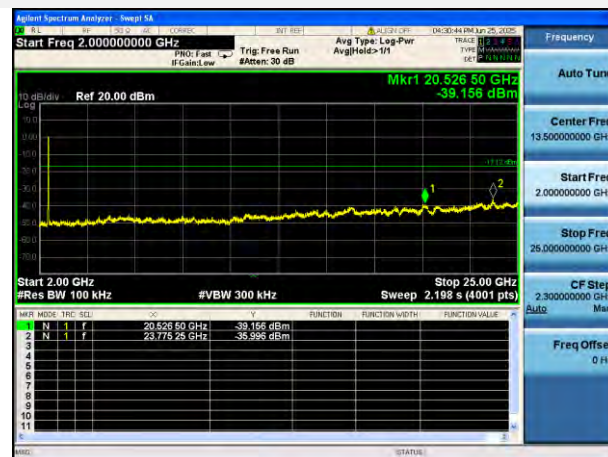
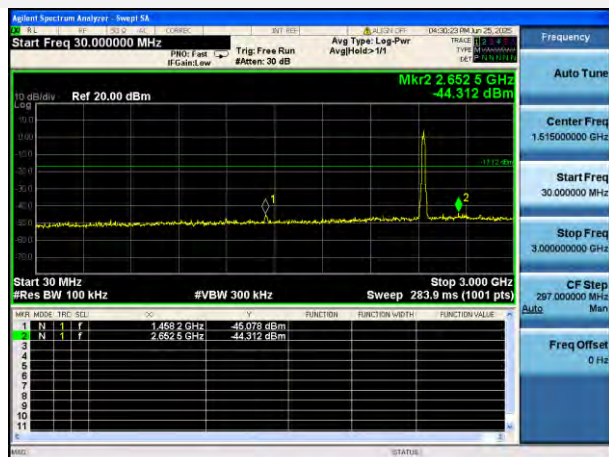
802.11ax-20 MHz(SU) LOW CHANNEL CARRIER LEVEL

802.11ax-20 MHz(SU) LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11ax-20 MHz(SU) LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

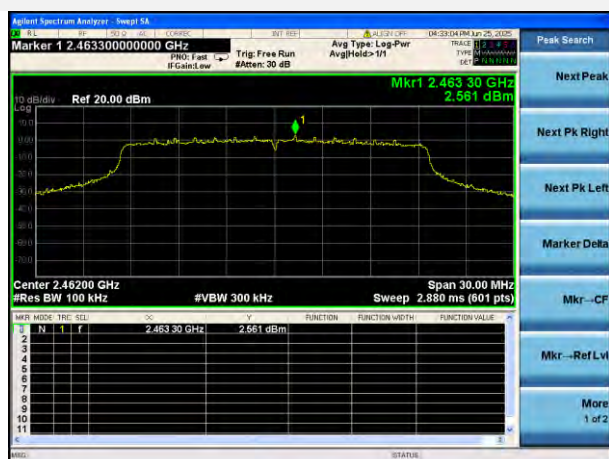
802.11ax-20 MHz(SU) MIDDLE CHANNEL CARRIER LEVEL



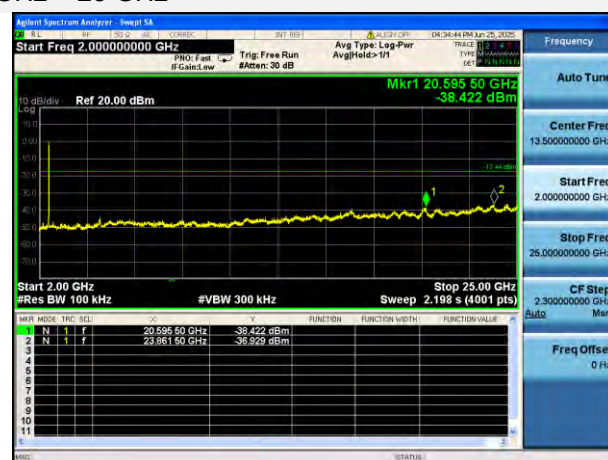
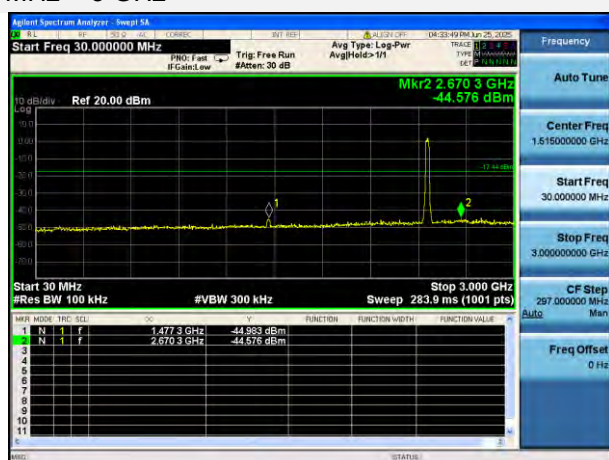
802.11ax-20 MHz(SU) MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



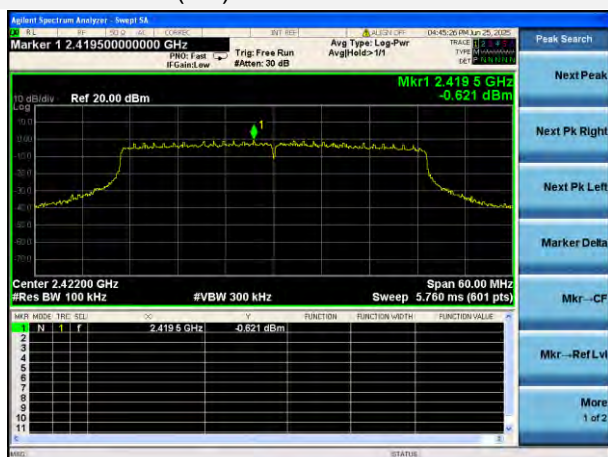
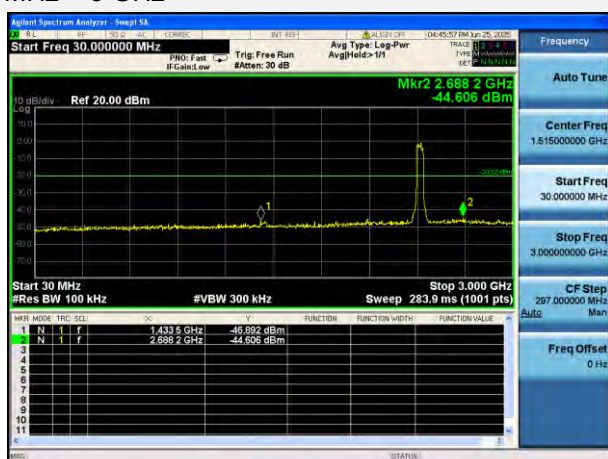
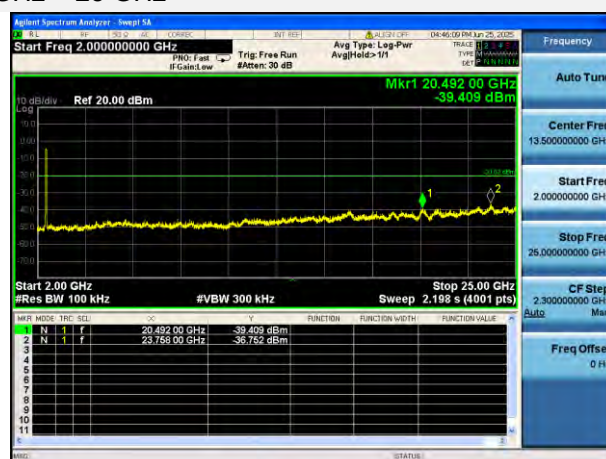
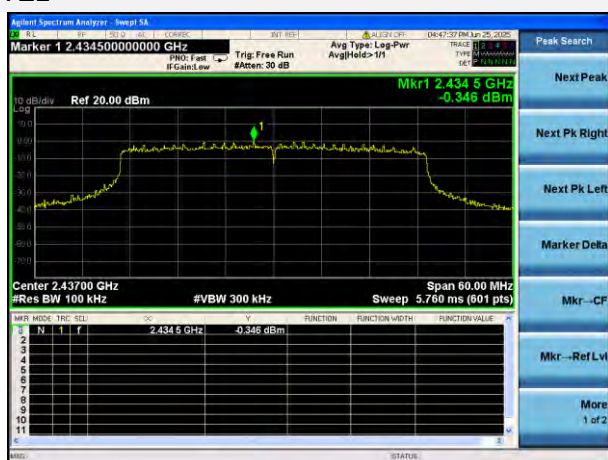
802.11ax-20 MHz(SU) HIGH CHANNEL CARRIER LEVEL



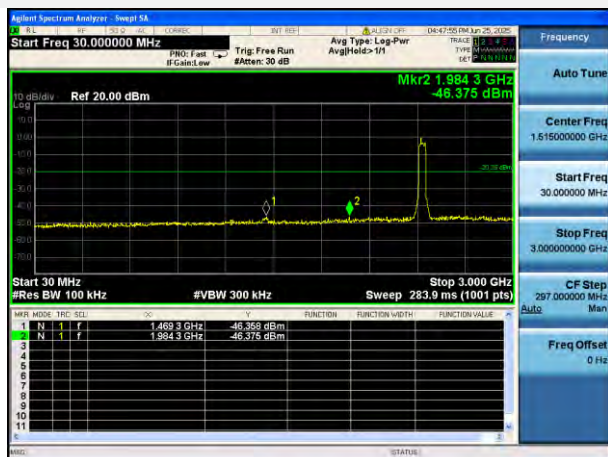
802.11ax-20 MHz(SU) HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



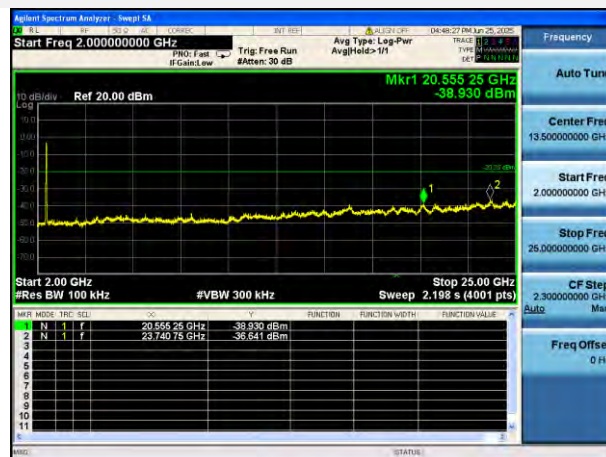
802.11ax-40 MHz(SU) LOW CHANNEL CARRIER LEVEL

802.11ax-40 MHz(SU) LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11ax-40 MHz(SU) LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz802.11ax-40 MHz(SU) MIDDLE CHANNEL CARRIER
LEVEL

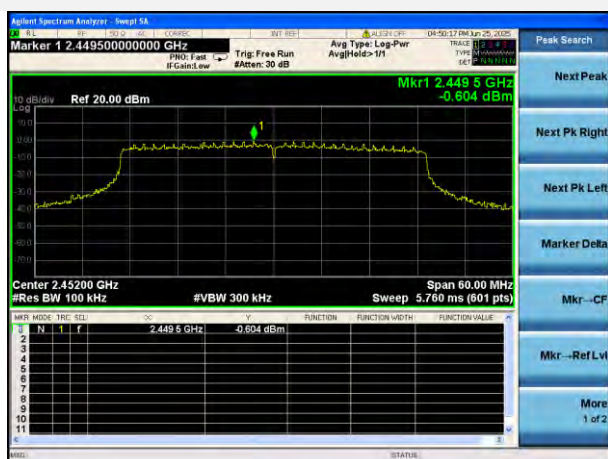
802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



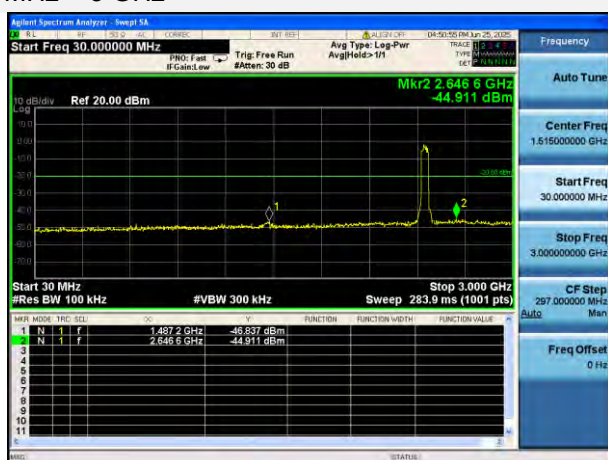
802.11ax-40 MHz(SU) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



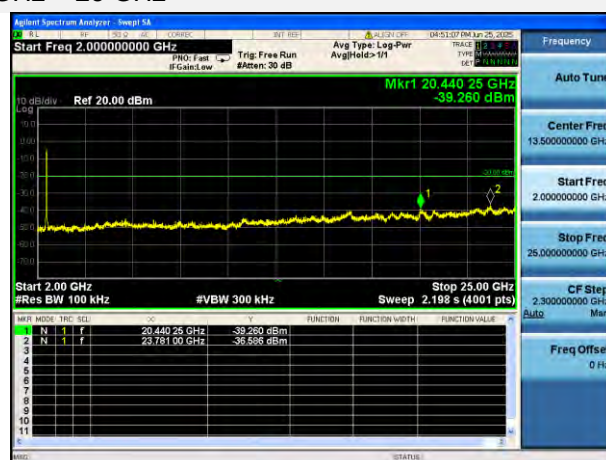
802.11ax-40 MHz(SU) HIGH CHANNEL CARRIER LEVEL



802.11ax-40 MHz(SU) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



802.11ax-40 MHz(SU) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



A.4 Band Edge (Authorized-band band-edge)

Note: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

Test Data

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-45.83	1.35	-18.65	Pass
High Channel	-48.59	6.36	-13.64	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-25.75	2.74	-17.26	Pass
High Channel	-45.22	2.28	-17.72	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-25.53	2.65	-17.35	Pass
High Channel	-41.59	2.43	-17.57	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-30.19	-0.58	-20.58	Pass
High Channel	-40.30	-0.85	-20.85	Pass

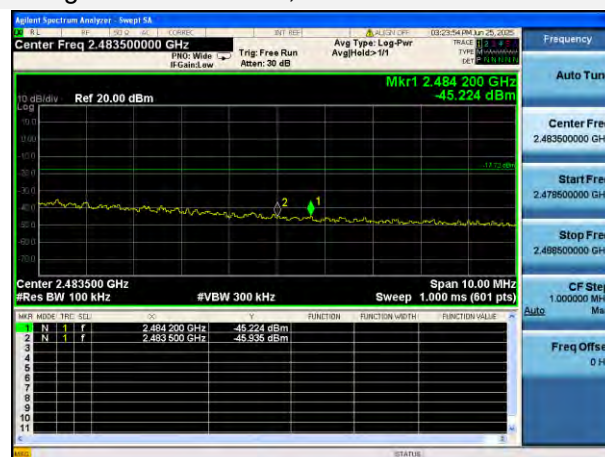
802.11ax-20 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-24.93	2.85	-17.15	Pass
High Channel	-40.36	2.56	-17.44	Pass

802.11ax-40 MHz(SU) Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-30.18	-0.62	-20.62	Pass
High Channel	-38.71	-0.60	-20.60	Pass

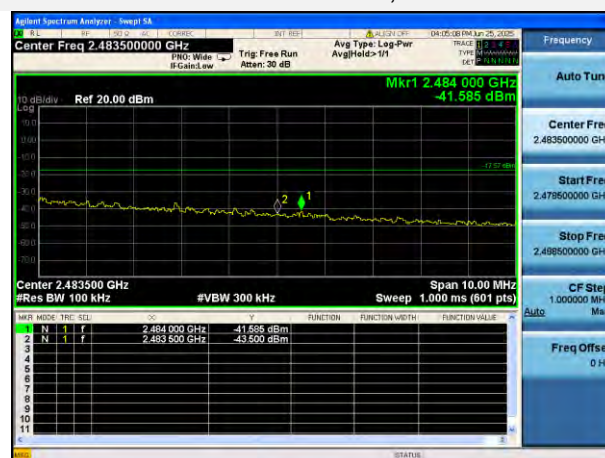
802.11g HIGH CHANNEL, BAND EDGE



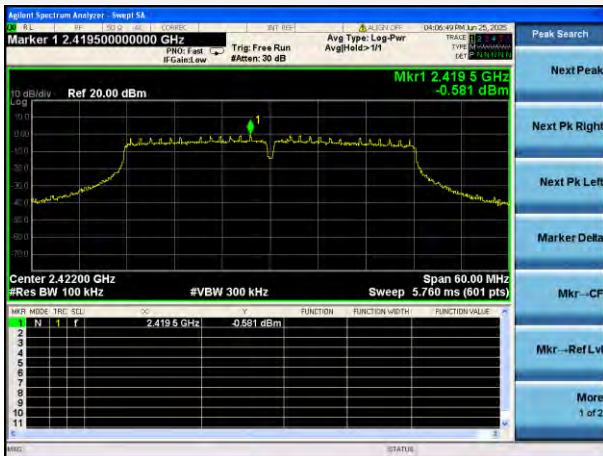
802.11n-20 MHz LOW CHANNEL, BAND EDGE



802.11n-20 MHz HIGH CHANNEL, BAND EDGE



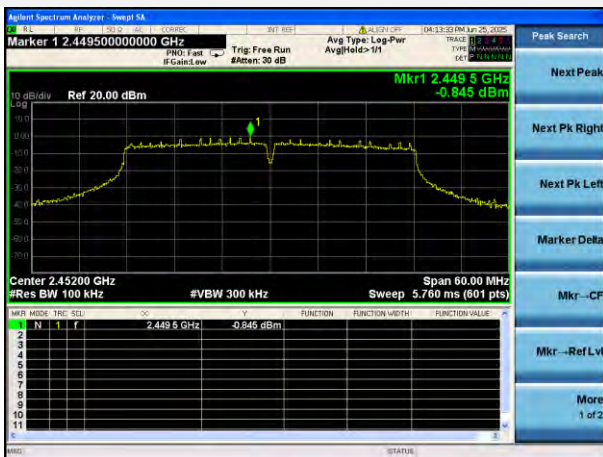
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



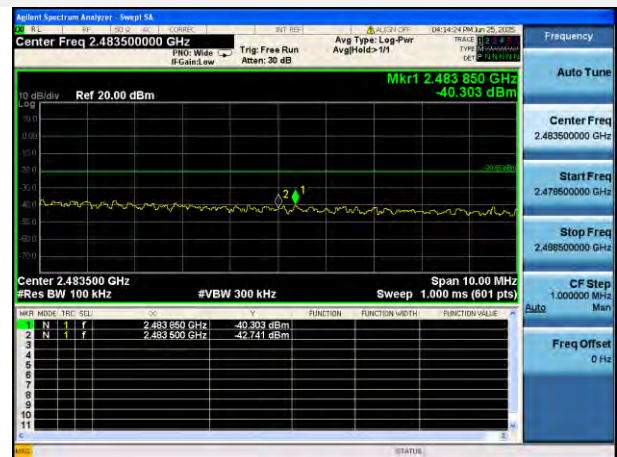
802.11n-40 MHz LOW CHANNEL, BAND EDGE



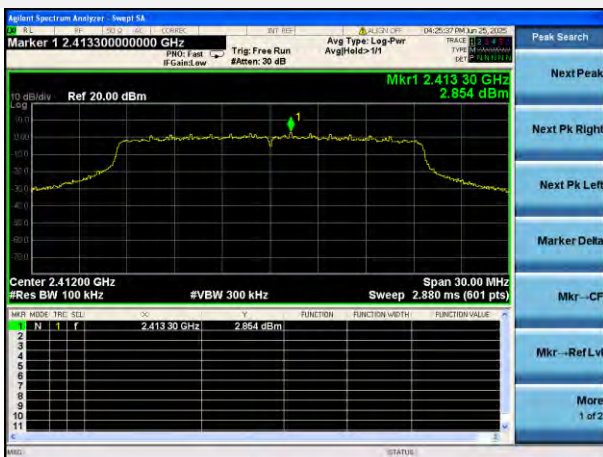
802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



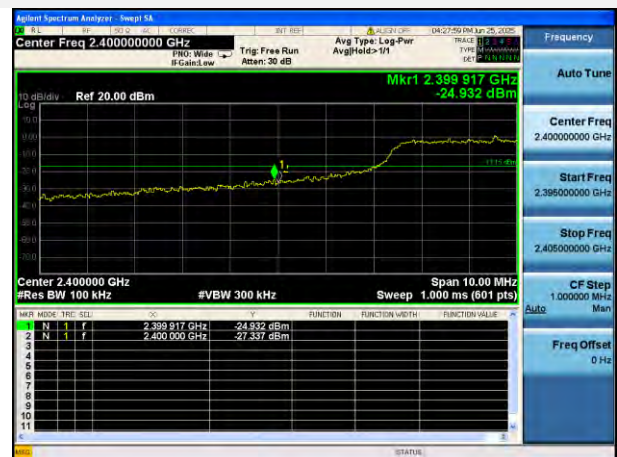
802.11n-40 MHz HIGH CHANNEL, BAND EDGE



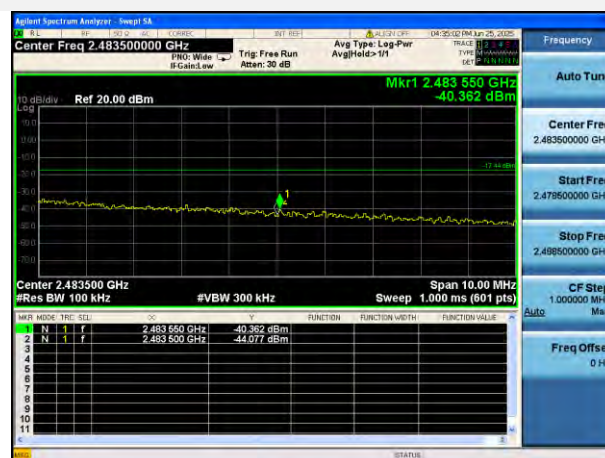
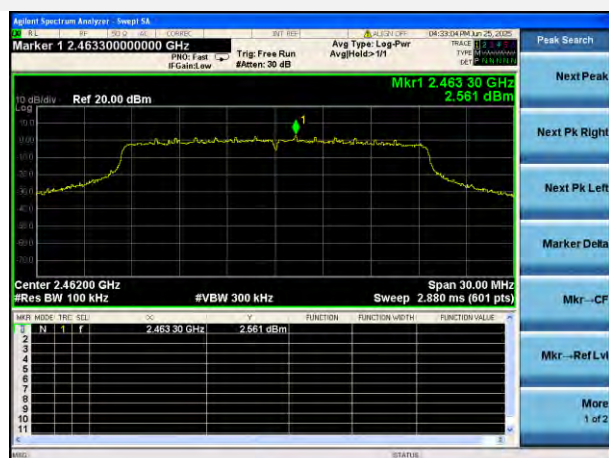
802.11ax-20 MHz(SU) LOW CHANNEL, CARRIER LEVEL



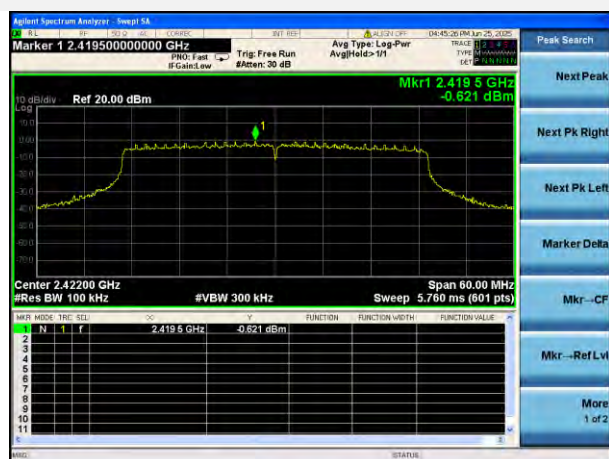
802.11ax-20 MHz(SU) LOW CHANNEL, BAND EDGE



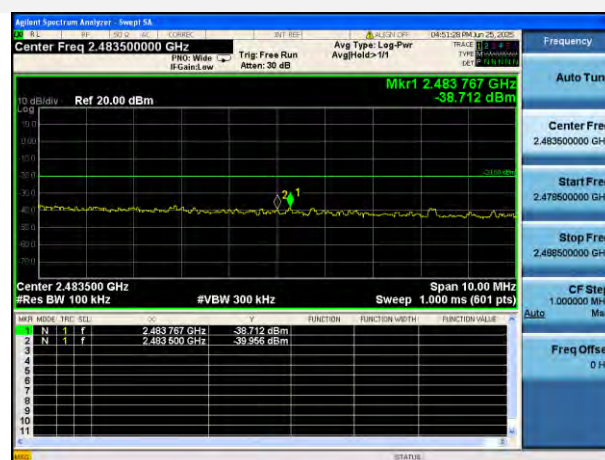
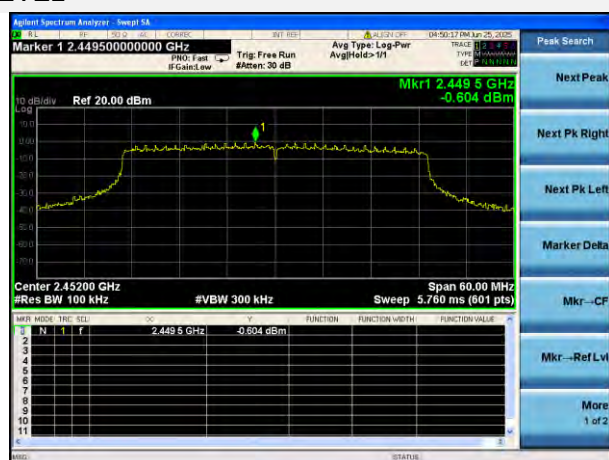
802.11ax-20 MHz(SU) HIGH CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) LOW CHANNEL, BAND EDGE



802.11ax-40 MHz(SU) HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

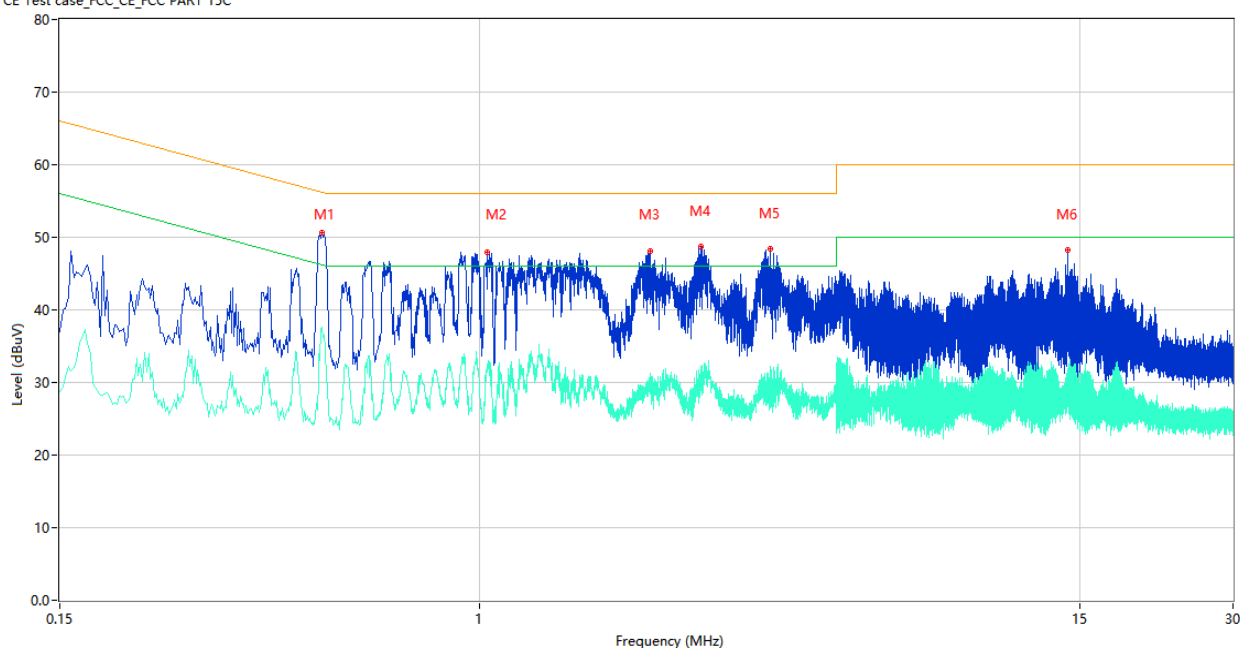
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

PHASE L

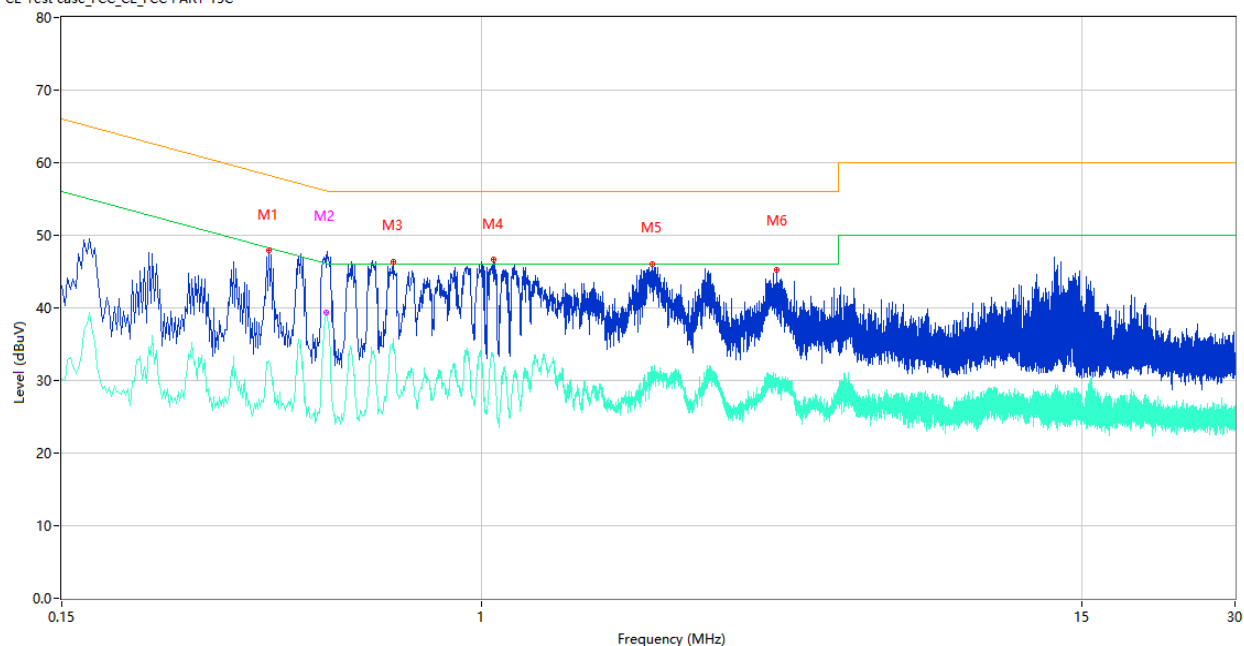
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.490	50.64	10.00	56.17	5.53	Peak	L	Pass
1**	0.490	37.56	10.00	46.17	8.61	AV	L	Pass
2	1.036	47.92	10.12	56.00	8.08	Peak	L	Pass
2**	1.036	31.43	10.12	46.00	14.57	AV	L	Pass
3	2.160	48.11	10.16	56.00	7.89	Peak	L	Pass
3**	2.160	31.22	10.16	46.00	14.78	AV	L	Pass
4	2.712	48.66	10.10	56.00	7.34	Peak	L	Pass
4**	2.712	32.21	10.10	46.00	13.79	AV	L	Pass
5	3.710	48.35	10.33	56.00	7.65	Peak	L	Pass
5**	3.710	31.70	10.33	46.00	14.30	AV	L	Pass
6	14.234	48.18	10.59	60.00	11.82	Peak	L	Pass
6**	14.234	27.82	10.59	50.00	22.18	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.382	47.86	10.67	58.24	10.38	Peak	N	Pass
1**	0.382	32.74	10.67	48.24	15.50	AV	N	Pass
2	0.494	47.30	10.00	56.10	8.80	Peak	N	Pass
2**	0.494	39.39	10.00	46.10	6.71	AV	N	Pass
3	0.670	46.40	10.40	56.00	9.60	Peak	N	Pass
3**	0.670	35.78	10.40	46.00	10.22	AV	N	Pass
4	1.054	46.66	10.16	56.00	9.34	Peak	N	Pass
4**	1.054	33.13	10.16	46.00	12.87	AV	N	Pass
5	2.158	46.05	10.17	56.00	9.95	Peak	N	Pass
5**	2.158	31.91	10.17	46.00	14.09	AV	N	Pass
6	3.796	45.29	10.35	56.00	10.71	Peak	N	Pass
6**	3.796	30.34	10.35	46.00	15.66	AV	N	Pass

A.6 Radiated Emission

Note¹: The symbol of “--” in the table which means not application.

Note²: For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

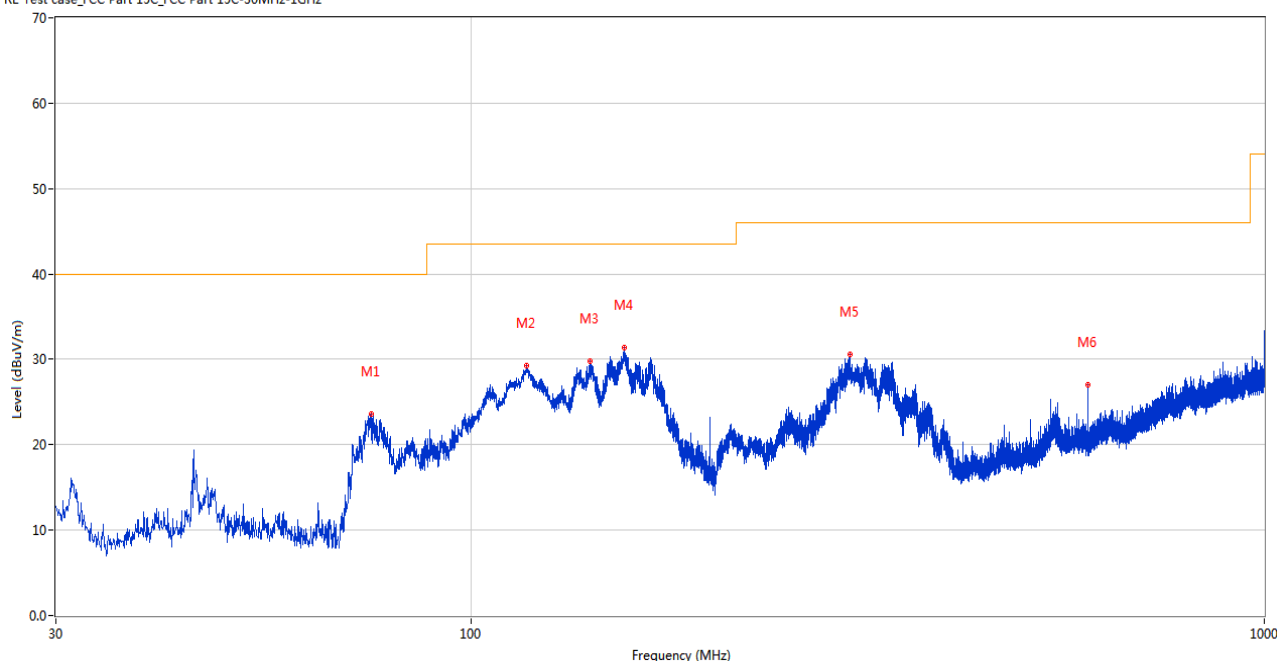
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

30 MHz to 1 GHz, ANT H

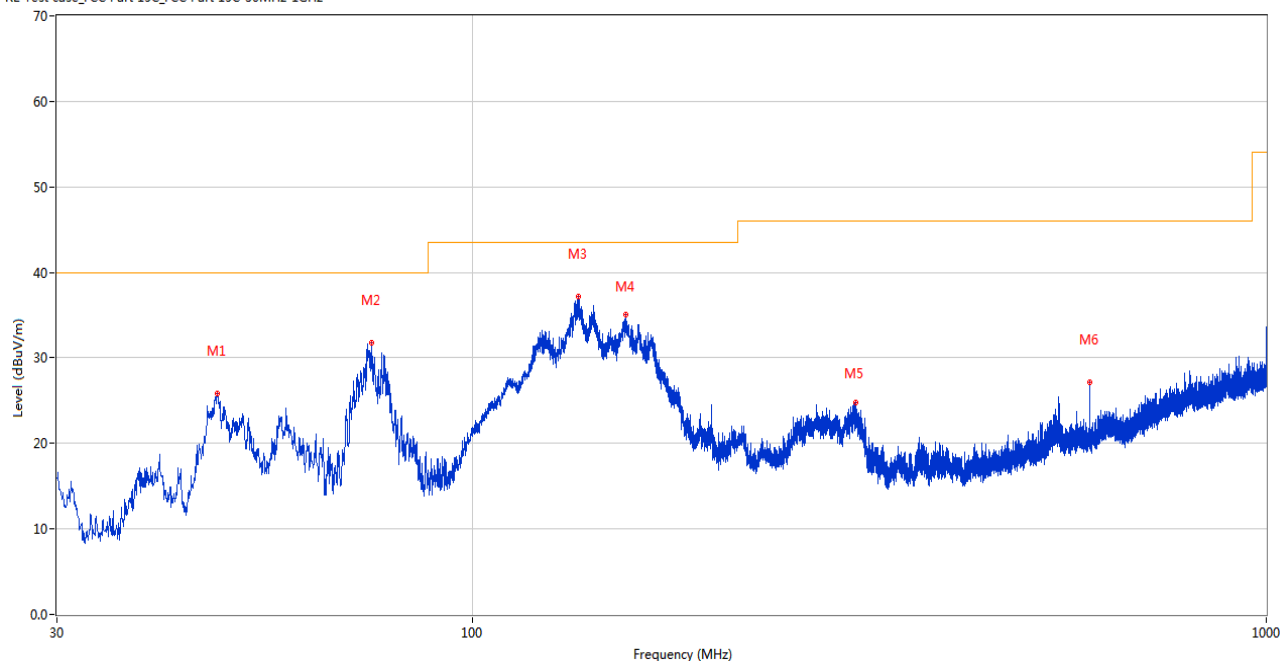
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	74.911	23.65	-29.50	40.0	16.35	Peak	134.00	200	Horizontal	Pass
2	117.543	29.30	-28.41	43.5	14.20	Peak	315.00	200	Horizontal	Pass
3	141.259	29.84	-26.52	43.5	13.66	Peak	272.00	200	Horizontal	Pass
4	155.954	31.35	-25.63	43.5	12.15	Peak	279.00	200	Horizontal	Pass
5	300.339	30.64	-24.60	46.0	15.36	Peak	102.00	100	Horizontal	Pass
6	600.020	27.06	-16.89	46.0	18.94	Peak	330.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	47.751	25.81	-26.85	40.0	14.19	Peak	175.00	100	Vertical	Pass
2	74.766	31.80	-29.45	40.0	8.20	Peak	104.00	100	Vertical	Pass
3	136.070	37.16	-26.39	43.5	6.34	Peak	234.00	100	Vertical	Pass
4	156.100	35.02	-25.63	43.5	8.48	Peak	185.00	100	Vertical	Pass
5	304.219	24.79	-24.54	46.0	21.21	Peak	245.00	100	Vertical	Pass
6	599.972	27.19	-16.89	46.0	18.81	Peak	216.00	100	Vertical	Pass

Note ¹: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note ²: The spurious above 18G is noise only, do not show on the report.

1 GHz to 18 GHz, ANT H 802.11b Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.309	41.79	74.0	32.21	Peak	304.00	300	Horizontal	Pass
1**	1332.309	33.96	54.0	20.04	AV	304.00	300	Horizontal	Pass
2	2999.388	51.43	74.0	22.57	Peak	180.00	100	Horizontal	Pass
2**	2999.388	40.90	54.0	13.10	AV	180.00	100	Horizontal	Pass
3	4930.968	49.21	74.0	24.79	Peak	171.00	200	Horizontal	Pass
3**	4930.968	40.57	54.0	13.43	AV	171.00	200	Horizontal	Pass
4	6808.608	51.70	74.0	22.30	Peak	7.00	400	Horizontal	Pass
4**	6808.608	42.79	54.0	11.21	AV	7.00	400	Horizontal	Pass
5	13411.612	54.63	74.0	19.37	Peak	162.00	400	Horizontal	Pass
5**	13411.612	44.03	54.0	9.97	AV	162.00	400	Horizontal	Pass
6	17425.924	58.76	74.0	15.24	Peak	289.00	200	Horizontal	Pass
6**	17425.924	46.73	54.0	7.27	AV	289.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.490	43.81	74.0	30.19	Peak	153.00	400	Vertical	Pass
1**	1336.490	37.76	54.0	16.24	AV	153.00	400	Vertical	Pass
2	2985.746	53.30	74.0	20.70	Peak	250.00	100	Vertical	Pass
2**	2985.746	40.46	54.0	13.54	AV	250.00	100	Vertical	Pass
3	4853.969	52.26	74.0	21.74	Peak	229.00	200	Vertical	Pass
3**	4853.969	43.38	54.0	10.62	AV	229.00	200	Vertical	Pass
4	6604.251	52.24	74.0	21.76	Peak	33.00	100	Vertical	Pass
4**	6604.251	47.81	54.0	6.19	AV	33.00	100	Vertical	Pass
5	13438.256	52.65	74.0	21.35	Peak	103.00	200	Vertical	Pass
5**	13438.256	48.82	54.0	5.18	AV	103.00	200	Vertical	Pass
6	17417.791	55.88	74.0	18.12	Peak	312.00	400	Vertical	Pass
6**	17417.791	46.66	54.0	7.34	AV	312.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1326.668	47.49	74.0	26.51	Peak	254.00	300	Horizontal	Pass
1**	1326.668	35.37	54.0	18.63	AV	254.00	300	Horizontal	Pass
2	2995.653	51.91	74.0	22.09	Peak	186.00	200	Horizontal	Pass
2**	2995.653	42.34	54.0	11.66	AV	186.00	200	Horizontal	Pass
3	4937.706	50.17	74.0	23.83	Peak	62.00	200	Horizontal	Pass
3**	4937.706	44.00	54.0	10.00	AV	62.00	200	Horizontal	Pass
4	6809.423	56.16	74.0	17.84	Peak	112.00	300	Horizontal	Pass
4**	6809.423	45.31	54.0	8.69	AV	112.00	300	Horizontal	Pass
5	13412.961	54.11	74.0	19.89	Peak	38.00	100	Horizontal	Pass
5**	13412.961	46.30	54.0	7.70	AV	38.00	100	Horizontal	Pass
6	17428.447	53.78	74.0	20.22	Peak	244.00	200	Horizontal	Pass
6**	17428.447	48.52	54.0	5.48	AV	244.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1335.820	42.61	74.0	31.39	Peak	260.00	100	Vertical	Pass
1**	1335.820	34.90	54.0	19.10	AV	260.00	100	Vertical	Pass
2	2983.743	50.92	74.0	23.08	Peak	16.00	100	Vertical	Pass
2**	2983.743	44.34	54.0	9.66	AV	16.00	100	Vertical	Pass
3	4854.603	46.49	74.0	27.51	Peak	292.00	200	Vertical	Pass
3**	4854.603	41.96	54.0	12.04	AV	292.00	200	Vertical	Pass
4	6608.256	51.99	74.0	22.01	Peak	293.00	200	Vertical	Pass
4**	6608.256	42.17	54.0	11.83	AV	293.00	200	Vertical	Pass
5	13432.657	53.34	74.0	20.66	Peak	18.00	100	Vertical	Pass
5**	13432.657	46.09	54.0	7.91	AV	18.00	100	Vertical	Pass
6	17420.094	57.27	74.0	16.73	Peak	338.00	300	Vertical	Pass
6**	17420.094	46.67	54.0	7.33	AV	338.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.291	42.90	74.0	31.10	Peak	328.00	300	Horizontal	Pass
1**	1328.291	38.30	54.0	15.70	AV	328.00	300	Horizontal	Pass
2	2994.605	52.19	74.0	21.81	Peak	121.00	400	Horizontal	Pass
2**	2994.605	41.16	54.0	12.84	AV	121.00	400	Horizontal	Pass
3	4938.186	50.55	74.0	23.45	Peak	50.00	200	Horizontal	Pass
3**	4938.186	42.69	54.0	11.31	AV	50.00	200	Horizontal	Pass
4	6805.810	52.77	74.0	21.23	Peak	206.00	100	Horizontal	Pass
4**	6805.810	43.26	54.0	10.74	AV	206.00	100	Horizontal	Pass
5	13411.183	55.97	74.0	18.03	Peak	354.00	200	Horizontal	Pass
5**	13411.183	44.45	54.0	9.55	AV	354.00	200	Horizontal	Pass
6	17423.878	53.27	74.0	20.73	Peak	156.00	200	Horizontal	Pass
6**	17423.878	49.55	54.0	4.45	AV	156.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.450	48.00	74.0	26.00	Peak	97.00	300	Vertical	Pass
1**	1329.450	35.96	54.0	18.04	AV	97.00	300	Vertical	Pass
2	2981.395	47.67	74.0	26.33	Peak	184.00	300	Vertical	Pass
2**	2981.395	40.76	54.0	13.24	AV	184.00	300	Vertical	Pass
3	4857.282	46.91	74.0	27.09	Peak	255.00	200	Vertical	Pass
3**	4857.282	42.84	54.0	11.16	AV	255.00	200	Vertical	Pass
4	6606.300	53.30	74.0	20.70	Peak	345.00	400	Vertical	Pass
4**	6606.300	45.07	54.0	8.93	AV	345.00	400	Vertical	Pass
5	13432.361	52.54	74.0	21.46	Peak	327.00	200	Vertical	Pass
5**	13432.361	48.57	54.0	5.43	AV	327.00	200	Vertical	Pass
6	17419.224	55.11	74.0	18.89	Peak	4.00	100	Vertical	Pass
6**	17419.224	47.23	54.0	6.77	AV	4.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.180	45.68	74.0	28.32	Peak	354.00	300	Horizontal	Pass
1**	1331.180	37.33	54.0	16.67	AV	354.00	300	Horizontal	Pass
2	2999.532	51.51	74.0	22.49	Peak	267.00	100	Horizontal	Pass
2**	2999.532	40.31	54.0	13.69	AV	267.00	100	Horizontal	Pass
3	4937.697	50.73	74.0	23.27	Peak	114.00	200	Horizontal	Pass
3**	4937.697	42.44	54.0	11.56	AV	114.00	200	Horizontal	Pass
4	6806.581	54.31	74.0	19.69	Peak	80.00	400	Horizontal	Pass
4**	6806.581	42.73	54.0	11.27	AV	80.00	400	Horizontal	Pass
5	13414.839	55.12	74.0	18.88	Peak	154.00	100	Horizontal	Pass
5**	13414.839	46.87	54.0	7.13	AV	154.00	100	Horizontal	Pass
6	17425.985	55.02	74.0	18.98	Peak	75.00	200	Horizontal	Pass
6**	17425.985	46.51	54.0	7.49	AV	75.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.581	44.96	74.0	29.04	Peak	61.00	100	Vertical	Pass
1**	1330.581	35.42	54.0	18.58	AV	61.00	100	Vertical	Pass
2	2981.959	50.92	74.0	23.08	Peak	130.00	100	Vertical	Pass
2**	2981.959	42.92	54.0	11.08	AV	130.00	100	Vertical	Pass
3	4853.110	49.89	74.0	24.11	Peak	240.00	200	Vertical	Pass
3**	4853.110	39.76	54.0	14.24	AV	240.00	200	Vertical	Pass
4	6609.546	53.65	74.0	20.35	Peak	146.00	300	Vertical	Pass
4**	6609.546	42.15	54.0	11.85	AV	146.00	300	Vertical	Pass
5	13434.163	56.31	74.0	17.69	Peak	101.00	300	Vertical	Pass
5**	13434.163	48.71	54.0	5.29	AV	101.00	300	Vertical	Pass
6	17414.137	57.82	74.0	16.18	Peak	245.00	300	Vertical	Pass
6**	17414.137	44.38	54.0	9.62	AV	245.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.153	45.16	74.0	28.84	Peak	279.00	300	Horizontal	Pass
1**	1330.153	35.31	54.0	18.69	AV	279.00	300	Horizontal	Pass
2	2993.084	50.25	74.0	23.75	Peak	25.00	400	Horizontal	Pass
2**	2993.084	39.37	54.0	14.63	AV	25.00	400	Horizontal	Pass
3	4931.230	50.91	74.0	23.09	Peak	11.00	200	Horizontal	Pass
3**	4931.230	43.51	54.0	10.49	AV	11.00	200	Horizontal	Pass
4	6805.813	55.41	74.0	18.59	Peak	107.00	400	Horizontal	Pass
4**	6805.813	43.99	54.0	10.01	AV	107.00	400	Horizontal	Pass
5	13410.336	58.52	74.0	15.48	Peak	36.00	200	Horizontal	Pass
5**	13410.336	48.88	54.0	5.12	AV	36.00	200	Horizontal	Pass
6	17429.124	55.36	74.0	18.64	Peak	321.00	400	Horizontal	Pass
6**	17429.124	48.28	54.0	5.72	AV	321.00	400	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.530	47.72	74.0	26.28	Peak	202.00	400	Vertical	Pass
1**	1332.530	35.51	54.0	18.49	AV	202.00	400	Vertical	Pass
2	2979.170	52.70	74.0	21.30	Peak	36.00	200	Vertical	Pass
2**	2979.170	43.43	54.0	10.57	AV	36.00	200	Vertical	Pass
3	4852.746	47.56	74.0	26.44	Peak	33.00	200	Vertical	Pass
3**	4852.746	41.68	54.0	12.32	AV	33.00	200	Vertical	Pass
4	6603.513	53.49	74.0	20.51	Peak	105.00	300	Vertical	Pass
4**	6603.513	43.45	54.0	10.55	AV	105.00	300	Vertical	Pass
5	13435.299	54.11	74.0	19.89	Peak	262.00	400	Vertical	Pass
5**	13435.299	43.65	54.0	10.35	AV	262.00	400	Vertical	Pass
6	17415.318	56.56	74.0	17.44	Peak	351.00	400	Vertical	Pass
6**	17415.318	48.11	54.0	5.89	AV	351.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.708	44.52	74.0	29.48	Peak	340.00	200	Horizontal	Pass
1**	1331.708	37.34	54.0	16.66	AV	340.00	200	Horizontal	Pass
2	2999.422	52.91	74.0	21.09	Peak	217.00	100	Horizontal	Pass
2**	2999.422	44.18	54.0	9.82	AV	217.00	100	Horizontal	Pass
3	4932.630	51.68	74.0	22.32	Peak	107.00	200	Horizontal	Pass
3**	4932.630	40.21	54.0	13.79	AV	107.00	200	Horizontal	Pass
4	6803.687	53.36	74.0	20.64	Peak	253.00	200	Horizontal	Pass
4**	6803.687	42.45	54.0	11.55	AV	253.00	200	Horizontal	Pass
5	13412.803	58.20	74.0	15.80	Peak	75.00	100	Horizontal	Pass
5**	13412.803	46.62	54.0	7.38	AV	75.00	100	Horizontal	Pass
6	17426.832	58.92	74.0	15.08	Peak	226.00	400	Horizontal	Pass
6**	17426.832	44.60	54.0	9.40	AV	226.00	400	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.049	42.52	74.0	31.48	Peak	68.00	300	Vertical	Pass
1**	1336.049	40.48	54.0	13.52	AV	68.00	300	Vertical	Pass
2	2978.272	52.03	74.0	21.97	Peak	345.00	300	Vertical	Pass
2**	2978.272	43.24	54.0	10.76	AV	345.00	300	Vertical	Pass
3	4857.442	50.63	74.0	23.37	Peak	173.00	200	Vertical	Pass
3**	4857.442	41.68	54.0	12.32	AV	173.00	200	Vertical	Pass
4	6607.999	54.53	74.0	19.47	Peak	80.00	100	Vertical	Pass
4**	6607.999	47.00	54.0	7.00	AV	80.00	100	Vertical	Pass
5	13432.263	53.30	74.0	20.70	Peak	76.00	100	Vertical	Pass
5**	13432.263	43.91	54.0	10.09	AV	76.00	100	Vertical	Pass
6	17417.036	55.12	74.0	18.88	Peak	97.00	100	Vertical	Pass
6**	17417.036	50.11	54.0	3.89	AV	97.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.501	42.69	74.0	31.31	Peak	191.00	400	Horizontal	Pass
1**	1329.501	39.48	54.0	14.52	AV	191.00	400	Horizontal	Pass
2	2995.505	48.99	74.0	25.01	Peak	48.00	300	Horizontal	Pass
2**	2995.505	44.15	54.0	9.85	AV	48.00	300	Horizontal	Pass
3	4933.245	52.57	74.0	21.43	Peak	246.00	200	Horizontal	Pass
3**	4933.245	43.48	54.0	10.52	AV	246.00	200	Horizontal	Pass
4	6809.417	52.20	74.0	21.80	Peak	353.00	100	Horizontal	Pass
4**	6809.417	43.98	54.0	10.02	AV	353.00	100	Horizontal	Pass
5	13414.510	55.34	74.0	18.66	Peak	166.00	100	Horizontal	Pass
5**	13414.510	47.06	54.0	6.94	AV	166.00	100	Horizontal	Pass
6	17429.643	58.19	74.0	15.81	Peak	334.00	400	Horizontal	Pass
6**	17429.643	47.17	54.0	6.83	AV	334.00	400	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.521	47.97	74.0	26.03	Peak	293.00	200	Vertical	Pass
1**	1336.521	39.63	54.0	14.37	AV	293.00	200	Vertical	Pass
2	2983.446	51.68	74.0	22.32	Peak	300.00	100	Vertical	Pass
2**	2983.446	41.61	54.0	12.39	AV	300.00	100	Vertical	Pass
3	4857.432	46.95	74.0	27.05	Peak	0.00	200	Vertical	Pass
3**	4857.432	41.47	54.0	12.53	AV	0.00	200	Vertical	Pass
4	6604.930	54.42	74.0	19.58	Peak	312.00	100	Vertical	Pass
4**	6604.930	42.26	54.0	11.74	AV	312.00	100	Vertical	Pass
5	13436.896	53.18	74.0	20.82	Peak	26.00	100	Vertical	Pass
5**	13436.896	46.68	54.0	7.32	AV	26.00	100	Vertical	Pass
6	17413.919	56.65	74.0	17.35	Peak	88.00	100	Vertical	Pass
6**	17413.919	47.88	54.0	6.12	AV	88.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.242	44.84	74.0	29.16	Peak	112.00	300	Horizontal	Pass
1**	1331.242	35.63	54.0	18.37	AV	112.00	300	Horizontal	Pass
2	2995.271	53.18	74.0	20.82	Peak	9.00	400	Horizontal	Pass
2**	2995.271	40.54	54.0	13.46	AV	9.00	400	Horizontal	Pass
3	4933.784	51.78	74.0	22.22	Peak	295.00	200	Horizontal	Pass
3**	4933.784	41.28	54.0	12.72	AV	295.00	200	Horizontal	Pass
4	6810.786	54.14	74.0	19.86	Peak	4.00	400	Horizontal	Pass
4**	6810.786	43.42	54.0	10.58	AV	4.00	400	Horizontal	Pass
5	13408.289	57.82	74.0	16.18	Peak	300.00	300	Horizontal	Pass
5**	13408.289	44.38	54.0	9.62	AV	300.00	300	Horizontal	Pass
6	17426.557	55.42	74.0	18.58	Peak	221.00	200	Horizontal	Pass
6**	17426.557	46.38	54.0	7.62	AV	221.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.481	44.14	74.0	29.86	Peak	340.00	300	Vertical	Pass
1**	1332.481	36.28	54.0	17.72	AV	340.00	300	Vertical	Pass
2	2984.675	51.94	74.0	22.06	Peak	7.00	100	Vertical	Pass
2**	2984.675	43.81	54.0	10.19	AV	7.00	100	Vertical	Pass
3	4853.731	48.21	74.0	25.79	Peak	157.00	200	Vertical	Pass
3**	4853.731	41.26	54.0	12.74	AV	157.00	200	Vertical	Pass
4	6607.694	54.15	74.0	19.85	Peak	8.00	100	Vertical	Pass
4**	6607.694	47.98	54.0	6.02	AV	8.00	100	Vertical	Pass
5	13437.366	57.53	74.0	16.47	Peak	116.00	100	Vertical	Pass
5**	13437.366	47.62	54.0	6.38	AV	116.00	100	Vertical	Pass
6	17420.072	56.41	74.0	17.59	Peak	14.00	400	Vertical	Pass
6**	17420.072	49.49	54.0	4.51	AV	14.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1326.265	42.09	74.0	31.91	Peak	162.00	100	Horizontal	Pass
1**	1326.265	38.46	54.0	15.54	AV	162.00	100	Horizontal	Pass
2	3000.111	49.28	74.0	24.72	Peak	160.00	100	Horizontal	Pass
2**	3000.111	42.35	54.0	11.65	AV	160.00	100	Horizontal	Pass
3	4935.797	50.29	74.0	23.71	Peak	51.00	200	Horizontal	Pass
3**	4935.797	43.50	54.0	10.50	AV	51.00	200	Horizontal	Pass
4	6808.916	52.84	74.0	21.16	Peak	148.00	100	Horizontal	Pass
4**	6808.916	46.52	54.0	7.48	AV	148.00	100	Horizontal	Pass
5	13409.673	55.20	74.0	18.80	Peak	239.00	200	Horizontal	Pass
5**	13409.673	47.05	54.0	6.95	AV	239.00	200	Horizontal	Pass
6	17429.281	55.22	74.0	18.78	Peak	111.00	400	Horizontal	Pass
6**	17429.281	46.23	54.0	7.77	AV	111.00	400	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1335.940	44.26	74.0	29.74	Peak	209.00	300	Vertical	Pass
1**	1335.940	34.80	54.0	19.20	AV	209.00	300	Vertical	Pass
2	2978.736	48.34	74.0	25.66	Peak	165.00	200	Vertical	Pass
2**	2978.736	43.37	54.0	10.63	AV	165.00	200	Vertical	Pass
3	4856.323	51.37	74.0	22.63	Peak	137.00	200	Vertical	Pass
3**	4856.323	41.19	54.0	12.81	AV	137.00	200	Vertical	Pass
4	6610.742	52.31	74.0	21.69	Peak	352.00	200	Vertical	Pass
4**	6610.742	44.49	54.0	9.51	AV	352.00	200	Vertical	Pass
5	13435.737	53.10	74.0	20.90	Peak	184.00	200	Vertical	Pass
5**	13435.737	46.51	54.0	7.49	AV	184.00	200	Vertical	Pass
6	17415.920	58.81	74.0	15.19	Peak	201.00	400	Vertical	Pass
6**	17415.920	46.33	54.0	7.67	AV	201.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.358	46.69	74.0	27.31	Peak	73.00	200	Horizontal	Pass
1**	1328.358	34.53	54.0	19.47	AV	73.00	200	Horizontal	Pass
2	2998.178	48.94	74.0	25.06	Peak	250.00	300	Horizontal	Pass
2**	2998.178	43.62	54.0	10.38	AV	250.00	300	Horizontal	Pass
3	4930.904	51.98	74.0	22.02	Peak	227.00	200	Horizontal	Pass
3**	4930.904	38.81	54.0	15.19	AV	227.00	200	Horizontal	Pass
4	6804.675	54.16	74.0	19.84	Peak	94.00	100	Horizontal	Pass
4**	6804.675	46.66	54.0	7.34	AV	94.00	100	Horizontal	Pass
5	13412.506	54.02	74.0	19.98	Peak	268.00	200	Horizontal	Pass
5**	13412.506	47.53	54.0	6.47	AV	268.00	200	Horizontal	Pass
6	17425.682	58.84	74.0	15.16	Peak	163.00	200	Horizontal	Pass
6**	17425.682	47.85	54.0	6.15	AV	163.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.425	42.72	74.0	31.28	Peak	198.00	200	Vertical	Pass
1**	1331.425	37.84	54.0	16.16	AV	198.00	200	Vertical	Pass
2	2981.716	48.06	74.0	25.94	Peak	259.00	300	Vertical	Pass
2**	2981.716	40.82	54.0	13.18	AV	259.00	300	Vertical	Pass
3	4852.461	52.05	74.0	21.95	Peak	124.00	200	Vertical	Pass
3**	4852.461	40.51	54.0	13.49	AV	124.00	200	Vertical	Pass
4	6608.086	51.34	74.0	22.66	Peak	244.00	300	Vertical	Pass
4**	6608.086	47.11	54.0	6.89	AV	244.00	300	Vertical	Pass
5	13436.107	54.03	74.0	19.97	Peak	290.00	400	Vertical	Pass
5**	13436.107	47.30	54.0	6.70	AV	290.00	400	Vertical	Pass
6	17416.428	58.51	74.0	15.49	Peak	184.00	400	Vertical	Pass
6**	17416.428	45.86	54.0	8.14	AV	184.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.267	44.05	74.0	29.95	Peak	319.00	300	Horizontal	Pass
1**	1328.267	37.29	54.0	16.71	AV	319.00	300	Horizontal	Pass
2	2994.089	52.74	74.0	21.26	Peak	56.00	200	Horizontal	Pass
2**	2994.089	39.09	54.0	14.91	AV	56.00	200	Horizontal	Pass
3	4937.683	54.50	74.0	19.50	Peak	355.00	200	Horizontal	Pass
3**	4937.683	41.87	54.0	12.13	AV	355.00	200	Horizontal	Pass
4	6804.127	54.15	74.0	19.85	Peak	78.00	100	Horizontal	Pass
4**	6804.127	44.56	54.0	9.44	AV	78.00	100	Horizontal	Pass
5	13408.825	57.17	74.0	16.83	Peak	194.00	100	Horizontal	Pass
5**	13408.825	48.60	54.0	5.40	AV	194.00	100	Horizontal	Pass
6	17426.244	57.87	74.0	16.13	Peak	242.00	200	Horizontal	Pass
6**	17426.244	45.55	54.0	8.45	AV	242.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.891	46.21	74.0	27.79	Peak	41.00	300	Vertical	Pass
1**	1330.891	40.21	54.0	13.79	AV	41.00	300	Vertical	Pass
2	2980.790	49.69	74.0	24.31	Peak	174.00	100	Vertical	Pass
2**	2980.790	44.75	54.0	9.25	AV	174.00	100	Vertical	Pass
3	4857.874	51.84	74.0	22.16	Peak	89.00	200	Vertical	Pass
3**	4857.874	39.18	54.0	14.82	AV	89.00	200	Vertical	Pass
4	6603.751	53.89	74.0	20.11	Peak	51.00	100	Vertical	Pass
4**	6603.751	45.85	54.0	8.15	AV	51.00	100	Vertical	Pass
5	13437.190	54.29	74.0	19.71	Peak	215.00	300	Vertical	Pass
5**	13437.190	48.98	54.0	5.02	AV	215.00	300	Vertical	Pass
6	17418.519	55.79	74.0	18.21	Peak	276.00	200	Vertical	Pass
6**	17418.519	46.34	54.0	7.66	AV	276.00	200	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.886	47.17	74.0	26.83	Peak	152.00	100	Horizontal	Pass
1**	1332.886	39.18	54.0	14.82	AV	152.00	100	Horizontal	Pass
2	2994.492	52.05	74.0	21.95	Peak	186.00	100	Horizontal	Pass
2**	2994.492	40.96	54.0	13.04	AV	186.00	100	Horizontal	Pass
3	4934.652	53.99	74.0	20.01	Peak	305.00	200	Horizontal	Pass
3**	4934.652	41.45	54.0	12.55	AV	305.00	200	Horizontal	Pass
4	6805.716	53.95	74.0	20.05	Peak	97.00	200	Horizontal	Pass
4**	6805.716	45.26	54.0	8.74	AV	97.00	200	Horizontal	Pass
5	13412.928	53.71	74.0	20.29	Peak	61.00	300	Horizontal	Pass
5**	13412.928	48.84	54.0	5.16	AV	61.00	300	Horizontal	Pass
6	17428.430	55.60	74.0	18.40	Peak	158.00	300	Horizontal	Pass
6**	17428.430	47.40	54.0	6.60	AV	158.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.563	45.00	74.0	29.00	Peak	212.00	100	Vertical	Pass
1**	1334.563	37.48	54.0	16.52	AV	212.00	100	Vertical	Pass
2	2982.253	49.54	74.0	24.46	Peak	352.00	200	Vertical	Pass
2**	2982.253	39.46	54.0	14.54	AV	352.00	200	Vertical	Pass
3	4853.175	46.68	74.0	27.32	Peak	250.00	200	Vertical	Pass
3**	4853.175	42.02	54.0	11.98	AV	250.00	200	Vertical	Pass
4	6609.289	51.49	74.0	22.51	Peak	174.00	200	Vertical	Pass
4**	6609.289	42.86	54.0	11.14	AV	174.00	200	Vertical	Pass
5	13436.205	57.32	74.0	16.68	Peak	190.00	400	Vertical	Pass
5**	13436.205	43.56	54.0	10.44	AV	190.00	400	Vertical	Pass
6	17414.224	59.67	74.0	14.33	Peak	300.00	100	Vertical	Pass
6**	17414.224	47.80	54.0	6.20	AV	300.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.539	42.20	74.0	31.80	Peak	94.00	100	Horizontal	Pass
1**	1331.539	34.04	54.0	19.96	AV	94.00	100	Horizontal	Pass
2	2999.792	49.03	74.0	24.97	Peak	303.00	300	Horizontal	Pass
2**	2999.792	42.64	54.0	11.36	AV	303.00	300	Horizontal	Pass
3	4934.707	51.69	74.0	22.31	Peak	260.00	200	Horizontal	Pass
3**	4934.707	42.68	54.0	11.32	AV	260.00	200	Horizontal	Pass
4	6804.204	54.44	74.0	19.56	Peak	134.00	200	Horizontal	Pass
4**	6804.204	42.15	54.0	11.85	AV	134.00	200	Horizontal	Pass
5	13414.671	56.35	74.0	17.65	Peak	108.00	300	Horizontal	Pass
5**	13414.671	46.94	54.0	7.06	AV	108.00	300	Horizontal	Pass
6	17422.433	54.54	74.0	19.46	Peak	348.00	100	Horizontal	Pass
6**	17422.433	47.13	54.0	6.87	AV	348.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V802.11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1335.860	47.29	74.0	26.71	Peak	243.00	200	Vertical	Pass
1**	1335.860	37.82	54.0	16.18	AV	243.00	200	Vertical	Pass
2	2979.720	52.27	74.0	21.73	Peak	117.00	200	Vertical	Pass
2**	2979.720	39.54	54.0	14.46	AV	117.00	200	Vertical	Pass
3	4852.867	50.78	74.0	23.22	Peak	2.00	200	Vertical	Pass
3**	4852.867	42.41	54.0	11.59	AV	2.00	200	Vertical	Pass
4	6605.341	51.69	74.0	22.31	Peak	151.00	400	Vertical	Pass
4**	6605.341	46.84	54.0	7.16	AV	151.00	400	Vertical	Pass
5	13432.175	56.13	74.0	17.87	Peak	250.00	300	Vertical	Pass
5**	13432.175	48.34	54.0	5.66	AV	250.00	300	Vertical	Pass
6	17419.716	59.13	74.0	14.87	Peak	76.00	300	Vertical	Pass
6**	17419.716	46.78	54.0	7.22	AV	76.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax20(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.962	43.38	74.0	30.62	Peak	342.00	100	Horizontal	Pass
1**	1329.962	39.78	54.0	14.22	AV	342.00	100	Horizontal	Pass
2	2998.651	50.68	74.0	23.32	Peak	20.00	100	Horizontal	Pass
2**	2998.651	41.89	54.0	12.11	AV	20.00	100	Horizontal	Pass
3	4937.450	50.43	74.0	23.57	Peak	259.00	200	Horizontal	Pass
3**	4937.450	40.15	54.0	13.85	AV	259.00	200	Horizontal	Pass
4	6806.941	51.80	74.0	22.20	Peak	280.00	200	Horizontal	Pass
4**	6806.941	42.34	54.0	11.66	AV	280.00	200	Horizontal	Pass
5	13410.478	52.69	74.0	21.31	Peak	196.00	200	Horizontal	Pass
5**	13410.478	47.56	54.0	6.44	AV	196.00	200	Horizontal	Pass
6	17427.631	57.08	74.0	16.92	Peak	75.00	300	Horizontal	Pass
6**	17427.631	47.21	54.0	6.79	AV	75.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax20(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.635	44.59	74.0	29.41	Peak	332.00	300	Vertical	Pass
1**	1336.635	38.96	54.0	15.04	AV	332.00	300	Vertical	Pass
2	2984.787	49.26	74.0	24.74	Peak	48.00	200	Vertical	Pass
2**	2984.787	38.87	54.0	15.13	AV	48.00	200	Vertical	Pass
3	4852.204	50.80	74.0	23.20	Peak	158.00	200	Vertical	Pass
3**	4852.204	37.64	54.0	16.36	AV	158.00	200	Vertical	Pass
4	6606.579	56.04	74.0	17.96	Peak	268.00	100	Vertical	Pass
4**	6606.579	44.95	54.0	9.05	AV	268.00	100	Vertical	Pass
5	13432.053	53.97	74.0	20.03	Peak	65.00	300	Vertical	Pass
5**	13432.053	46.41	54.0	7.59	AV	65.00	300	Vertical	Pass
6	17413.331	60.06	74.0	13.94	Peak	257.00	100	Vertical	Pass
6**	17413.331	46.95	54.0	7.05	AV	257.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H802.11ax20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.255	45.81	74.0	28.19	Peak	348.00	100	Horizontal	Pass
1**	1333.255	34.02	54.0	19.98	AV	348.00	100	Horizontal	Pass
2	2997.095	52.61	74.0	21.39	Peak	288.00	200	Horizontal	Pass
2**	2997.095	42.77	54.0	11.23	AV	288.00	200	Horizontal	Pass
3	4937.045	51.35	74.0	22.65	Peak	5.00	200	Horizontal	Pass
3**	4937.045	43.19	54.0	10.81	AV	5.00	200	Horizontal	Pass
4	6808.650	56.79	74.0	17.21	Peak	291.00	400	Horizontal	Pass
4**	6808.650	42.44	54.0	11.56	AV	291.00	400	Horizontal	Pass
5	13407.782	56.22	74.0	17.78	Peak	167.00	400	Horizontal	Pass
5**	13407.782	47.85	54.0	6.15	AV	167.00	400	Horizontal	Pass
6	17425.091	57.20	74.0	16.80	Peak	97.00	100	Horizontal	Pass
6**	17425.091	45.88	54.0	8.12	AV	97.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.690	42.59	74.0	31.41	Peak	135.00	200	Vertical	Pass
1**	1329.690	35.88	54.0	18.12	AV	135.00	200	Vertical	Pass
2	2978.619	49.45	74.0	24.55	Peak	134.00	100	Vertical	Pass
2**	2978.619	42.62	54.0	11.38	AV	134.00	100	Vertical	Pass
3	4857.942	51.95	74.0	22.05	Peak	87.00	200	Vertical	Pass
3**	4857.942	42.86	54.0	11.14	AV	87.00	200	Vertical	Pass
4	6604.186	51.43	74.0	22.57	Peak	18.00	200	Vertical	Pass
4**	6604.186	43.78	54.0	10.22	AV	18.00	200	Vertical	Pass
5	13433.993	56.93	74.0	17.07	Peak	3.00	200	Vertical	Pass
5**	13433.993	48.11	54.0	5.89	AV	3.00	200	Vertical	Pass
6	17418.643	59.63	74.0	14.37	Peak	102.00	400	Vertical	Pass
6**	17418.643	46.02	54.0	7.98	AV	102.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax40(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.497	43.15	74.0	30.85	Peak	235.00	200	Horizontal	Pass
1**	1330.497	39.27	54.0	14.73	AV	235.00	200	Horizontal	Pass
2	2996.354	51.85	74.0	22.15	Peak	233.00	100	Horizontal	Pass
2**	2996.354	42.95	54.0	11.05	AV	233.00	100	Horizontal	Pass
3	4933.695	50.70	74.0	23.30	Peak	267.00	200	Horizontal	Pass
3**	4933.695	38.70	54.0	15.30	AV	267.00	200	Horizontal	Pass
4	6804.378	55.48	74.0	18.52	Peak	36.00	200	Horizontal	Pass
4**	6804.378	45.54	54.0	8.46	AV	36.00	200	Horizontal	Pass
5	13408.687	58.11	74.0	15.89	Peak	8.00	200	Horizontal	Pass
5**	13408.687	47.09	54.0	6.91	AV	8.00	200	Horizontal	Pass
6	17428.913	54.83	74.0	19.17	Peak	258.00	300	Horizontal	Pass
6**	17428.913	44.66	54.0	9.34	AV	258.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax40(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.942	42.39	74.0	31.61	Peak	238.00	300	Vertical	Pass
1**	1329.942	38.60	54.0	15.40	AV	238.00	300	Vertical	Pass
2	2982.689	51.63	74.0	22.37	Peak	18.00	300	Vertical	Pass
2**	2982.689	44.37	54.0	9.63	AV	18.00	300	Vertical	Pass
3	4853.640	48.41	74.0	25.59	Peak	34.00	200	Vertical	Pass
3**	4853.640	41.76	54.0	12.24	AV	34.00	200	Vertical	Pass
4	6607.238	51.65	74.0	22.35	Peak	102.00	300	Vertical	Pass
4**	6607.238	45.89	54.0	8.11	AV	102.00	300	Vertical	Pass
5	13434.967	52.43	74.0	21.57	Peak	201.00	100	Vertical	Pass
5**	13434.967	48.87	54.0	5.13	AV	201.00	100	Vertical	Pass
6	17413.783	56.88	74.0	17.12	Peak	8.00	100	Vertical	Pass
6**	17413.783	47.09	54.0	6.91	AV	8.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax40(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.360	47.11	74.0	26.89	Peak	265.00	200	Horizontal	Pass
1**	1328.360	38.41	54.0	15.59	AV	265.00	200	Horizontal	Pass
2	3000.090	50.67	74.0	23.33	Peak	232.00	400	Horizontal	Pass
2**	3000.090	39.09	54.0	14.91	AV	232.00	400	Horizontal	Pass
3	4937.699	53.86	74.0	20.14	Peak	39.00	200	Horizontal	Pass
3**	4937.699	42.98	54.0	11.02	AV	39.00	200	Horizontal	Pass
4	6810.816	56.45	74.0	17.55	Peak	163.00	400	Horizontal	Pass
4**	6810.816	45.10	54.0	8.90	AV	163.00	400	Horizontal	Pass
5	13408.800	56.89	74.0	17.11	Peak	159.00	200	Horizontal	Pass
5**	13408.800	44.85	54.0	9.15	AV	159.00	200	Horizontal	Pass
6	17428.232	57.40	74.0	16.60	Peak	238.00	200	Horizontal	Pass
6**	17428.232	46.30	54.0	7.70	AV	238.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax40(SU) Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.846	46.13	74.0	27.87	Peak	129.00	300	Vertical	Pass
1**	1331.846	35.19	54.0	18.81	AV	129.00	300	Vertical	Pass
2	2980.906	48.02	74.0	25.98	Peak	259.00	400	Vertical	Pass
2**	2980.906	42.19	54.0	11.81	AV	259.00	400	Vertical	Pass
3	4854.575	48.68	74.0	25.32	Peak	47.00	200	Vertical	Pass
3**	4854.575	41.31	54.0	12.69	AV	47.00	200	Vertical	Pass
4	6605.668	51.63	74.0	22.37	Peak	73.00	300	Vertical	Pass
4**	6605.668	42.32	54.0	11.68	AV	73.00	300	Vertical	Pass
5	13435.978	56.31	74.0	17.69	Peak	49.00	300	Vertical	Pass
5**	13435.978	43.84	54.0	10.16	AV	49.00	300	Vertical	Pass
6	17414.001	54.90	74.0	19.10	Peak	148.00	400	Vertical	Pass
6**	17414.001	46.36	54.0	7.64	AV	148.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11ax40(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.343	44.55	74.0	29.45	Peak	288.00	400	Horizontal	Pass
1**	1333.343	35.70	54.0	18.30	AV	288.00	400	Horizontal	Pass
2	2999.824	48.76	74.0	25.24	Peak	13.00	400	Horizontal	Pass
2**	2999.824	39.23	54.0	14.77	AV	13.00	400	Horizontal	Pass
3	4937.265	49.98	74.0	24.02	Peak	81.00	200	Horizontal	Pass
3**	4937.265	41.54	54.0	12.46	AV	81.00	200	Horizontal	Pass
4	6807.043	55.59	74.0	18.41	Peak	176.00	300	Horizontal	Pass
4**	6807.043	46.86	54.0	7.14	AV	176.00	300	Horizontal	Pass
5	13413.281	56.16	74.0	17.84	Peak	285.00	400	Horizontal	Pass
5**	13413.281	46.61	54.0	7.39	AV	285.00	400	Horizontal	Pass
6	17426.354	55.23	74.0	18.77	Peak	338.00	300	Horizontal	Pass
6**	17426.354	47.18	54.0	6.82	AV	338.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11ax40(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1335.307	46.45	74.0	27.55	Peak	360.00	100	Vertical	Pass
1**	1335.307	36.80	54.0	17.20	AV	360.00	100	Vertical	Pass
2	2985.623	52.01	74.0	21.99	Peak	120.00	100	Vertical	Pass
2**	2985.623	44.08	54.0	9.92	AV	120.00	100	Vertical	Pass
3	4855.786	48.58	74.0	25.42	Peak	191.00	200	Vertical	Pass
3**	4855.786	39.15	54.0	14.85	AV	191.00	200	Vertical	Pass
4	6610.398	52.16	74.0	21.84	Peak	102.00	200	Vertical	Pass
4**	6610.398	47.26	54.0	6.74	AV	102.00	200	Vertical	Pass
5	13434.033	55.27	74.0	18.73	Peak	335.00	100	Vertical	Pass
5**	13434.033	48.41	54.0	5.59	AV	335.00	100	Vertical	Pass
6	17414.757	58.90	74.0	15.10	Peak	146.00	300	Vertical	Pass
6**	17414.757	48.11	54.0	5.89	AV	146.00	300	Vertical	Pass

A.7 Band Edge (Restricted-band band-edge)

Note ¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note ²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note ³: According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Test Data**802.11b LOW CHANNEL**

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2330.667	55.34	74.0	18.66	Peak	360.00	100	Horizontal	Pass
1**	2330.667	43.42	54.0	10.58	AV	360.00	100	Horizontal	Pass
2	2389.833	52.86	74.0	21.14	Peak	39.00	100	Horizontal	Pass
2**	2389.833	42.83	54.0	11.17	AV	39.00	100	Horizontal	Pass

802.11b HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	53.49	74.0	20.51	Peak	22.00	100	Horizontal	Pass
1**	2483.550	43.16	54.0	10.84	AV	22.00	100	Horizontal	Pass
2	2489.650	55.37	74.0	18.63	Peak	291.00	200	Horizontal	Pass
2**	2489.650	43.47	54.0	10.53	AV	291.00	200	Horizontal	Pass

802.11g LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2331.333	58.12	74.0	15.88	Peak	20.00	150	Horizontal	Pass
1**	2331.333	43.38	54.0	10.62	AV	20.00	150	Horizontal	Pass
2	2389.833	56.60	74.0	17.40	Peak	20.00	150	Horizontal	Pass
2**	2389.833	44.30	54.0	9.70	AV	20.00	150	Horizontal	Pass

802.11g HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	57.57	74.0	16.43	Peak	42.00	150	Horizontal	Pass
1**	2483.550	44.80	54.0	9.20	AV	42.00	150	Horizontal	Pass
2	2483.850	58.53	74.0	15.47	Peak	42.00	100	Horizontal	Pass
2**	2483.850	44.93	54.0	9.07	AV	42.00	100	Horizontal	Pass

802.11n20 LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2314.667	58.57	74.0	15.43	Peak	47.00	100	Horizontal	Pass
1**	2314.667	42.93	54.0	11.07	AV	47.00	100	Horizontal	Pass
2	2389.833	56.48	74.0	17.52	Peak	35.00	150	Horizontal	Pass
2**	2389.833	44.46	54.0	9.54	AV	35.00	150	Horizontal	Pass

802.11n20 HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	58.25	74.0	15.75	Peak	168.00	100	Horizontal	Pass
1**	2483.550	45.38	54.0	8.62	AV	168.00	100	Horizontal	Pass
2	2484.050	59.12	74.0	14.88	Peak	29.00	150	Horizontal	Pass
2**	2484.050	44.93	54.0	9.07	AV	29.00	150	Horizontal	Pass

802.11n40 LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.000	58.89	74.0	15.11	Peak	159.00	150	Horizontal	Pass
1**	2389.000	44.46	54.0	9.54	AV	159.00	150	Horizontal	Pass
2	2389.833	57.63	74.0	16.37	Peak	162.00	100	Horizontal	Pass
2**	2389.833	44.56	54.0	9.44	AV	162.00	100	Horizontal	Pass

802.11n40 HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	53.74	74.0	20.26	Peak	66.00	100	Horizontal	Pass
1**	2483.550	43.47	54.0	10.53	AV	66.00	100	Horizontal	Pass
2	2492.900	55.75	74.0	18.25	Peak	151.00	100	Horizontal	Pass
2**	2492.900	43.20	54.0	10.80	AV	151.00	100	Horizontal	Pass

802.11ax20(SU) LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.500	58.20	74.0	15.80	Peak	42.00	200	Horizontal	Pass
1**	2389.500	44.19	54.0	9.81	AV	42.00	200	Horizontal	Pass
2	2389.833	58.86	74.0	15.14	Peak	34.00	100	Horizontal	Pass
2**	2389.833	44.25	54.0	9.75	AV	34.00	100	Horizontal	Pass

802.11ax20(SU) HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	58.59	74.0	15.41	Peak	191.00	100	Horizontal	Pass
1**	2483.550	44.90	54.0	9.10	AV	191.00	100	Horizontal	Pass
2	2483.850	58.89	74.0	15.11	Peak	163.00	150	Horizontal	Pass
2**	2483.850	44.94	54.0	9.06	AV	163.00	150	Horizontal	Pass

802.11ax40(SU) LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2389.167	60.66	74.0	13.34	Peak	41.00	150	Horizontal	Pass
1**	2389.167	44.32	54.0	9.68	AV	41.00	150	Horizontal	Pass
2	2389.833	59.07	74.0	14.93	Peak	165.00	100	Horizontal	Pass
2**	2389.833	44.56	54.0	9.44	AV	165.00	100	Horizontal	Pass

802.11ax40(SU) HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.550	58.28	74.0	15.72	Peak	191.00	100	Horizontal	Pass
1**	2483.550	44.90	54.0	9.10	AV	191.00	100	Horizontal	Pass
2	2483.900	59.57	74.0	14.43	Peak	33.00	100	Horizontal	Pass
2**	2483.900	44.94	54.0	9.06	AV	33.00	100	Horizontal	Pass

A.8 Power Spectral Density (PSD)

Test Data

802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-14.18	8
Middle	-14.68	8
High	-9.04	8

802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.54	8
Middle	-12.12	8
High	-13.36	8

802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-12.96	8
Middle	-12.01	8
High	-13.15	8

802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-15.69	8
Middle	-14.78	8
High	-16.24	8

802.11ax-20 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-11.33	8
Middle	-11.75	8
High	-13.14	8

802.11ax-40 MHz(SU) Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-16.62	8
Middle	-15.52	8
High	-16.38	8

Test Plots

802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL



802.11n-20 MHz LOW CHANNEL



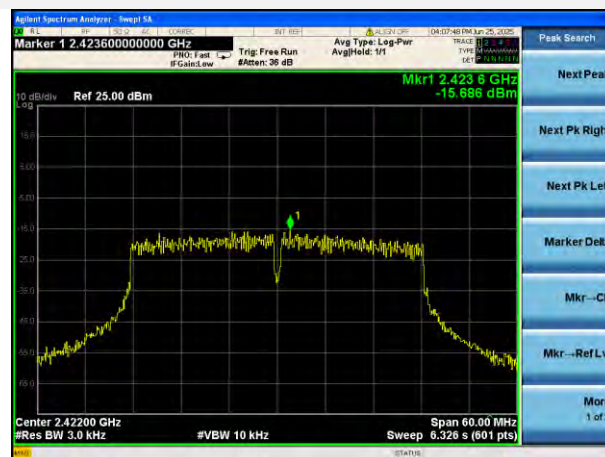
802.11n-20 MHz MIDDLE CHANNEL



802.11n-20 MHz HIGH CHANNEL



802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



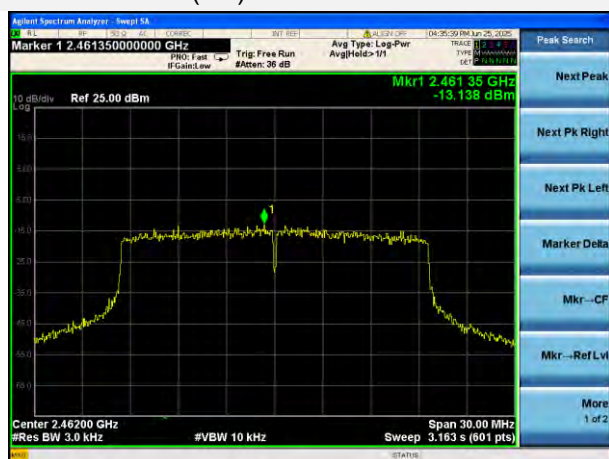
802.11ax-20 MHz(SU) LOW CHANNEL



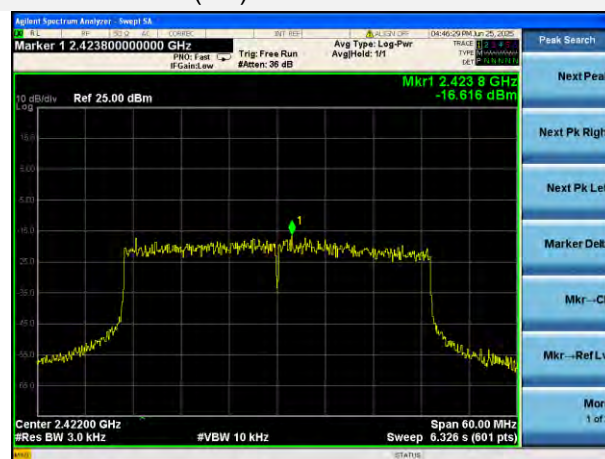
802.11ax-20 MHz(SU) MIDDLE CHANNEL



802.11ax-20 MHz(SU) HIGH CHANNEL



802.11ax-40 MHz(SU) LOW CHANNEL



802.11ax-40 MHz(SU) MIDDLE CHANNEL



802.11ax-40 MHz(SU) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2550017-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2550017-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2550017-AI.PDF”.

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