



FCC RADIO TEST REPORT

FCC ID : 2ATQRSMODBV3
Equipment : SkydioLink Third Generation Radio Module
Brand Name : Skydio
Model Name : SMODBV3
Applicant : Skydio, Inc.
3000 Clearview Way San Mateo, CA 94402
Manufacturer : Skydio, Inc.
3000 Clearview Way San Mateo, CA 94402
Standard : FCC Part 15 Subpart E §15.407

The product was received on Mar. 03, 2023 and testing was performed from Mar. 31, 2023 to May 26, 2023. We, Sporton International (USA) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International (USA) Inc., the test report shall not be reproduced except in full.

Approved by: David Hung

Sporton International (USA) Inc.
1175 Montague Expressway, Milpitas, CA 95035



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Product Feature of Equipment Under Test.....	5
1.2 Modification of EUT	8
1.3 Testing Location	9
1.4 Applicable Standards.....	9
2 Test Configuration of Equipment Under Test	10
2.1 Carrier Frequency and Channel	11
2.2 Test Mode.....	13
2.3 Connection Diagram of Test System.....	16
2.4 Support Unit used in test configuration and system	17
2.5 EUT Operation Test Setup	17
2.6 Measurement Results Explanation Example.....	18
3 Test Result	19
3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement	19
3.2 Maximum Conducted Output Power Measurement	36
3.3 Power Spectral Density Measurement	37
3.4 Unwanted Emissions Measurement.....	47
3.5 AC Conducted Emission Measurement.....	52
3.6 Antenna Requirements.....	54
4 List of Measuring Equipment.....	55
5 Measurement Uncertainty	57
Appendix A. Conducted Test Results	
Appendix B. AC Conducted Emission Test Result	
Appendix C. Radiated Spurious Emission	
Appendix D. Radiated Spurious Emission Plots	
Appendix E. Duty Cycle Plots	
Appendix F. Setup Photographs	



History of this test report

Report No.	Version	Description	Issue Date
FR230303001C	01	Initial issue of report	Jun. 23, 2023
FR230303001C	02	1. Revise Antenna Directional Gain, appendix C, appendix D and appendix E 2. Add Test mode remark 3 3. This report is an updated version, replacing the report issued on Jun. 23, 2023.	Aug. 08, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	1.51 dB under the limit at 5649.40 MHz for Low Gain Antenna 2.55 dB under the limit at 5642.40 MHz for High Gain Antenna
3.5	15.207	AC Conducted Emission	Pass	16.51 dB under the limit at 0.79 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature		
General Specs Wi-Fi 2.4GHz 802.11g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax.		
Antenna Type WLAN: Dipole Antenna Antenna 0: 2.4GHz/5GHz band Tx/Rx Antenna 1: Rx only Antenna 2: 2.4GHz/5GHz band Tx/Rx Antenna 3: Rx only		
FW version: P2GoldenSPC_ver1.1.0 HW version: 360-207231-000-3		

Antenna information (Low Gain Antenna)		
Type	Dipole Antenna	
Model	360-205976-000	
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Ant. 0: 1.40 Ant. 2: 1.35

Antenna information (High Gain Antenna)		
Type	Dipole Antenna	
Model	360-205976-000	
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Ant. 0: 7.33 Ant. 2: 6.03

Remark:

1. This device is a software define radio (SDR), in which the operation modes can be configured to work as a master or a slave while integrated into specific hosts.
2. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.1.1 Antenna Directional Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F2)f)ii)

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

Directional gain = $10 \cdot \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{ANT}]$ dBi

Where $G_1, G_2, \dots, G_N$ denote single antenna gain

For PSD measurements, the directional gain calculation.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the k th antenna is being fed by spatial stream j , or zero if it is not;
 G_k is the gain in dBi of the k th antenna.

As minimum $N_{SS}=1$ is supported by EUT, the formula can be simplified as:

Directional gain = $10 \cdot \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}]$ dBi

Where $G_1, G_2, \dots, G_N$ denote single antenna gain.

The directional gain "DG" is calculated as following table.

<Low Gain Antenna>

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 0	Ant 2	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	1.40	1.35	1.38	4.39	0.00	0.00

Calculation example:

If a device has two antenna, $G_{ANT1} = 1.40\text{dBi}$; $G_{ANT2} = 1.35\text{dBi}$

Directional gain of power measurement is derived from following formula:

$$10 \times \log \{ [10^{(1.40/10)} + 10^{(1.35/10)}] / 2 \} = 1.38 \text{ dBi}$$

Directional gain of PSD is derived from following formula:

$$10 \times \log \{ \{ [10^{(1.40 \text{ dBi} / 20)} + 10^{(1.35 \text{ dBi} / 20)}] ^ 2 \} / 2 \} \\ = 4.39 \text{ dBi}$$

Power and PSD limit reduction = Composite gain – 6dBi, (min = 0)

<High Gain Antenna>

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 0	Ant 2	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	7.33	6.03	6.73	9.71	0.73	3.71

Calculation example:

If a device has two antenna, $G_{ANT1} = 7.33\text{dBi}$; $G_{ANT2} = 6.03\text{dBi}$

Directional gain of power measurement is derived from following formula:

$$10 \times \log \{ [10^{(7.33/10)} + 10^{(6.03/10)}] / 2 \} = 6.73 \text{ dBi}$$

Directional gain of PSD is derived from following formula:

$$10 \times \log \{ \{ [10^{(7.33 \text{ dBi} / 20)} + 10^{(6.03 \text{ dBi} / 20)}] ^ 2 \} / 2 \} \\ = 9.71 \text{ dBi}$$

Power and PSD limit reduction = Composite gain – 6dBi, (min = 0)

<For STBC Mode>

In STBC mode all transmit signals are completely uncorrelated, then

Following FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)d)ii), if all transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \cdot \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{\text{ANT}}] \text{ dBi}$$

The directional gain "DG" is calculated as following table.

<Low Gain Antenna>

			DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	Ant. 0 (dBi)	Ant. 2 (dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	1.40	1.35	1.38	1.38	0.00	0.00

Calculation example:

If a device has two antenna, $G_{\text{ANT1}} = 1.40\text{dBi}$; $G_{\text{ANT2}} = 1.35\text{dBi}$

Directional gain of power and PSD measurement is derived from following formula:

$$10 \times \log \{ [10^{(1.40/10)} + 10^{(1.35/10)}] / 2 \} = 1.38 \text{ dBi}$$

<High Gain Antenna>

			DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	Ant. 0 (dBi)	Ant. 2 (dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	7.33	6.03	6.73	6.73	0.73	0.73

Calculation example:

If a device has two antenna, $G_{\text{ANT1}} = 7.33\text{dBi}$; $G_{\text{ANT2}} = 6.03\text{dBi}$

Directional gain of power and PSD measurement is derived from following formula:

$$10 \times \log \{ [10^{(7.33/10)} + 10^{(6.03/10)}] / 2 \} = 6.73 \text{ dBi}$$

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

Test Site	Sporton International (USA) Inc.
Test Site Location	1175 Montague Expressway, Milpitas, CA 95035 TEL : 408 9043300
Test Site No.	Sporton Site No.
	TH01-CA, CO01-CA, 03CH02-CA

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: US 1250

1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) for High Gain Antenna, and two config (Ant. Degree 0 and Ant. Degree 90) for Low Gain Antenna, and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

<802.11ax HE20 Full RU, 802.11ax HE40 Full RU, 802.11ax HE80 Full RU, 802.11ax HE20 Single RU>

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	148	5740	158	5790
	149	5745	159*	5795
	150	5750	160	5800
	151*	5755	161	5805
	152	5760	162	5810
	153	5765	163	5815
	154	5770	164	5820
	155 [#]	5775	165	5825
	156	5780	166	5830
	157	5785	167	5835

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "[#]" are 802.11ac VHT80 and 802.11ax HE80.

<802.11ax HE5 Full RU>

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	146	5730	158	5790
	147	5735	159*	5795
	148	5740	160	5800
	149	5745	161	5805
	150	5750	162	5810
	151*	5755	163	5815
	152	5760	164	5820
	153	5765	165	5825
	154	5770	166	5830
	155 [#]	5775	167	5835
	156	5780	168	5840
	157	5785	169	5845



<802.11ax HE10 Single RU, 802.11ax HE10 Full RU >

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	147	5735	158	5790
	148	5740	159	5795
	149	5745	160	5800
	150	5750	161	5805
	151	5755	162	5810
	152	5760	163	5815
	153	5765	164	5820
	154	5770	165	5825
	155	5775	166	5830
	156	5780	167	5835
	157	5785	168	5840

2.2 Test Mode

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

The power for 802.11n and 802.11ac mode is smaller than 802.11ax mode, so all other conducted and radiated test is covered by 802.11ax mode.

The final test modes include the worst data rates for each modulation shown in the table below.

MIMO Mode

Modulation			Data Rate
802.11a	-	-	6 Mbps
802.11n HT20 (Covered by HE20)	-	-	MCS0
802.11n HT40 (Covered by HE40)	-	-	MCS0
802.11ac VHT20 (Covered by HE20)	-	-	MCS0
802.11ac VHT40 (Covered by HE40)	-	-	MCS0
802.11ac VHT80 (Covered by HE80)	-	-	MCS0
802.11ax HE20	-	Full RU	MCS0
802.11ax HE40	-	Full RU	MCS0
802.11ax HE80	-	Full RU	MCS0
11ax20 1/2 BW mode	HE10	Single RU	MCS0
11ax20 mode	HE20	Single RU	MCS0
11ax20 1/4 BW mode	HE5	Full RU	MCS0
11ax20 1/2 BW mode	HE10	Full RU	MCS0

Remark:

1. The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.
2. 802.11a is operating in CDD mode, whereas 802.11n, 802.11ac, 802.11ax are operating in STBC mode.
3. After assessment on conducted power, CSD mode is covered by CDD mode

Test Cases	
AC Conducted Emission	Mode 1 :EUT with low gain antenna + WLAN (2.4GHz) Link + Type C-USB Cable (Charging from Adapter)
	Mode 2 :EUT with low gain antenna + WLAN (5GHz) Link + Type C-USB Cable (Charging from Adapter)
	Mode 3 :EUT with high gain antenna + WLAN (2.4GHz) Link + Type C-USB Cable (Charging from Adapter)
	Mode 4 :EUT with high gain antenna + WLAN (5GHz) Link + Type C-USB Cable (Charging from Adapter)
Remark: The worst case of Conducted Emission is mode 2; only the test data of it was reported.	

<CDD Mode>

Ch. #		UNII-3 : 5725-5850 MHz
		802.11a
L	Low	148
M	Middle	157
H	High	167

<STBC Mode>

Ch. #		UNII-3 : 5725-5850 MHz	
		802.11ax HE10 Single RU	802.11ax HE20 Single RU
L	Low	147	148
M	Middle	157	157
H	High	168	167

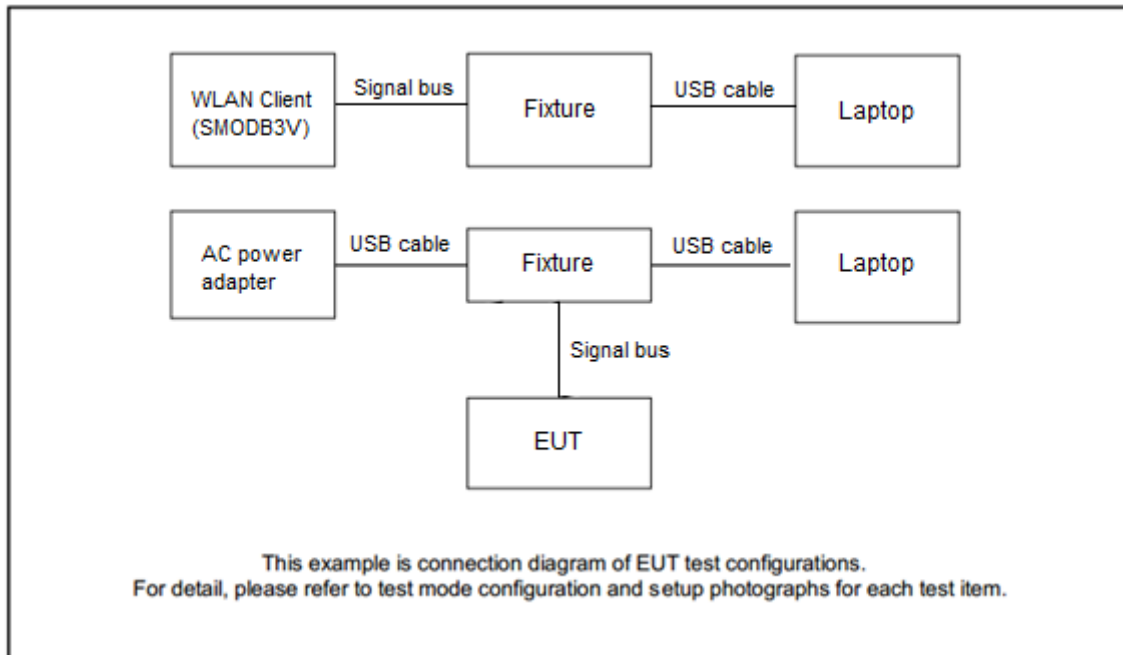
Ch. #		UNII-3 : 5725-5850 MHz	
		802.11ax HE5 Full RU	802.11ax HE10 Full RU
L	Low	146	147
M	Middle	157	157
H	High	169	168

Ch. #		UNII-3 : 5725-5850 MHz		
		802.11ax HE20 Full RU	802.11ax HE40 Full RU	802.11ax HE80 Full RU
L	Low	148	151	-
M	Middle	157	-	155
H	High	167	159	-

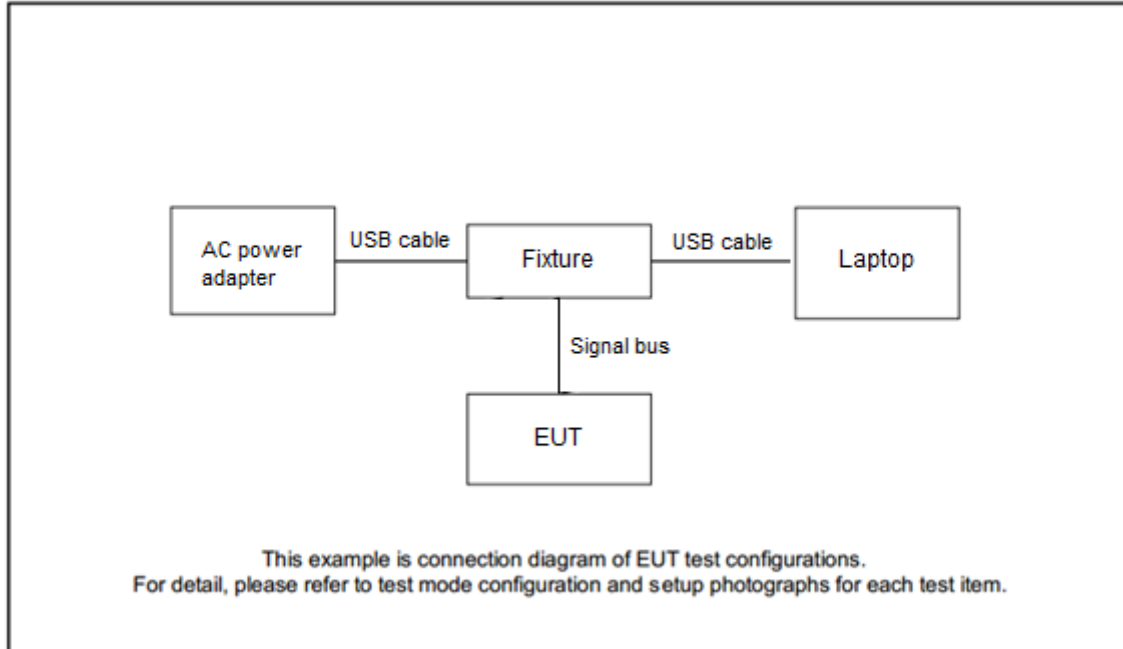
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	DELL	P91F	PD9AX201D2	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Notebook	DELL	P61G	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Notebook	Acer	N18Q13	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Adapter	Google	G9BR1	NA	NA	NA
5.	Fixture	Skydio	J1701	NA	NA	NA
6.	Type C-USB cable	NA	NA	NA	Unshielded 1.5m	NA

2.5 EUT Operation Test Setup

The RF test items, utility “QSPR Version 5.0-00202” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

26dB and 99% Occupied bandwidth are reporting only.

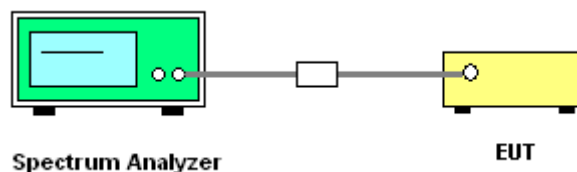
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section C) Emission bandwidth for the band 5.725-5.85 GHz
2. Set RBW = 100 kHz.
3. Set the VBW $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

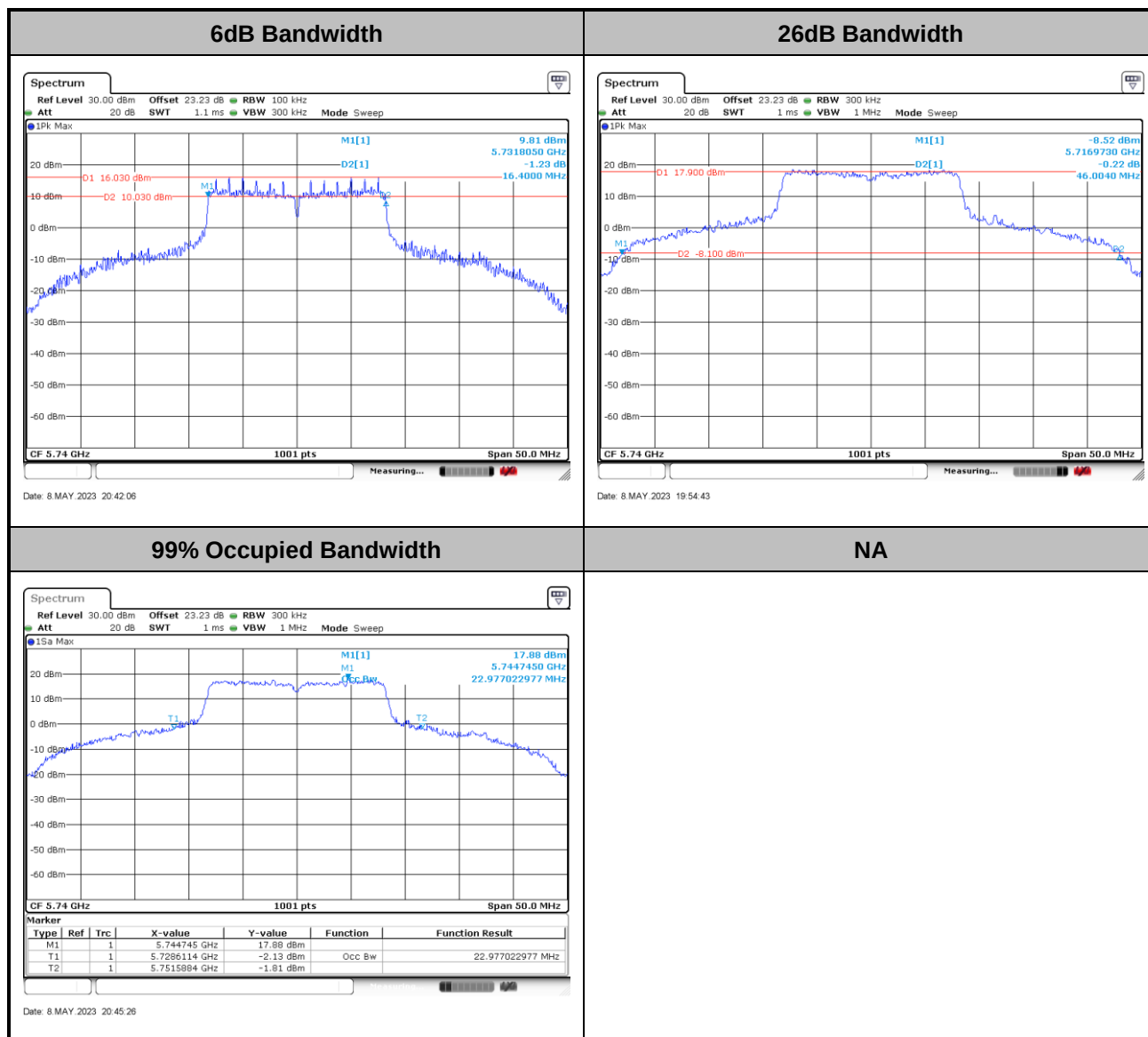


<With Low Gain Antenna>

MIMO <Ant. 0+2>

<CDD Mode>

<802.11a>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



<STBC Mode>

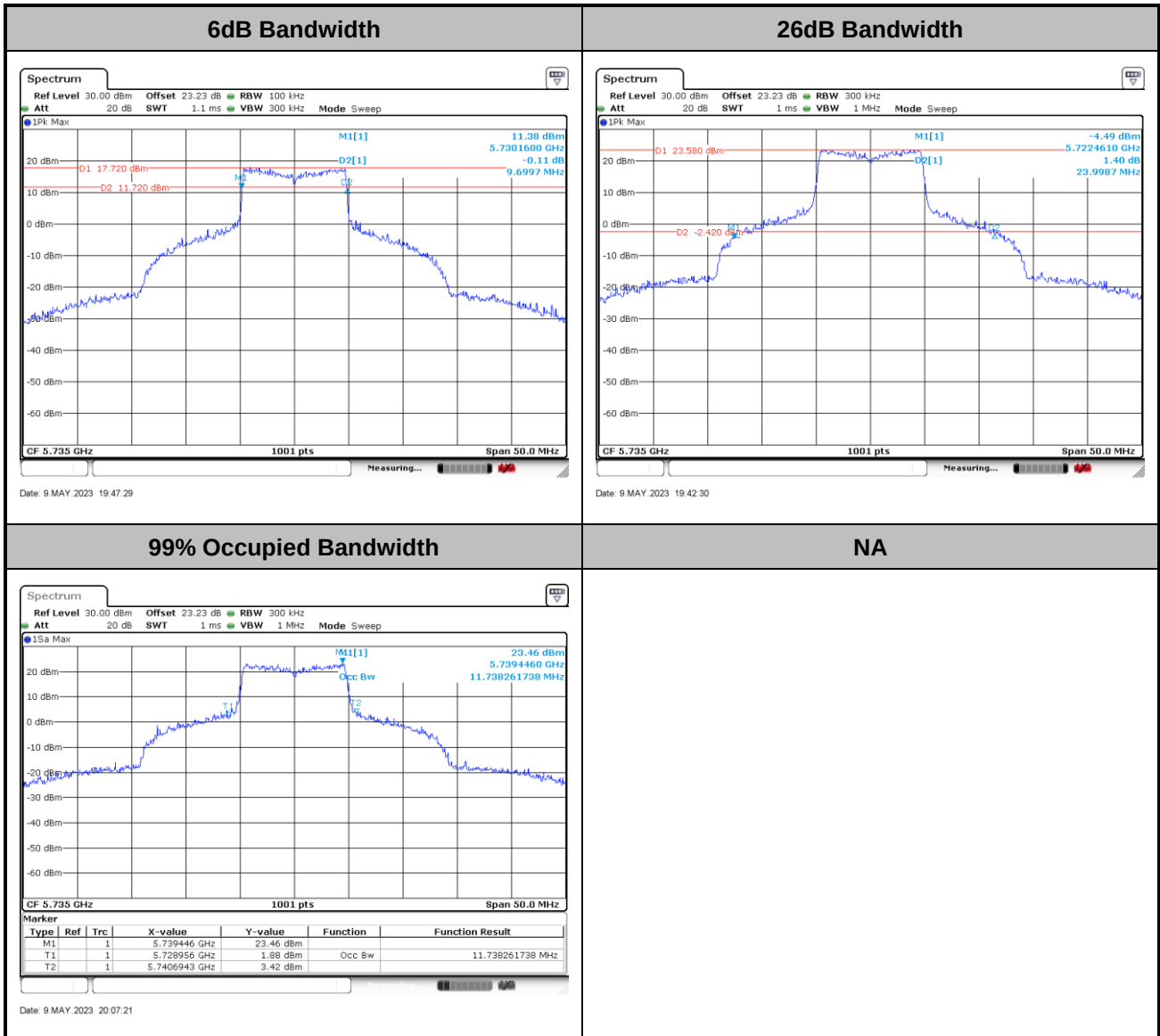
<802.11ax HE20 Full RU>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

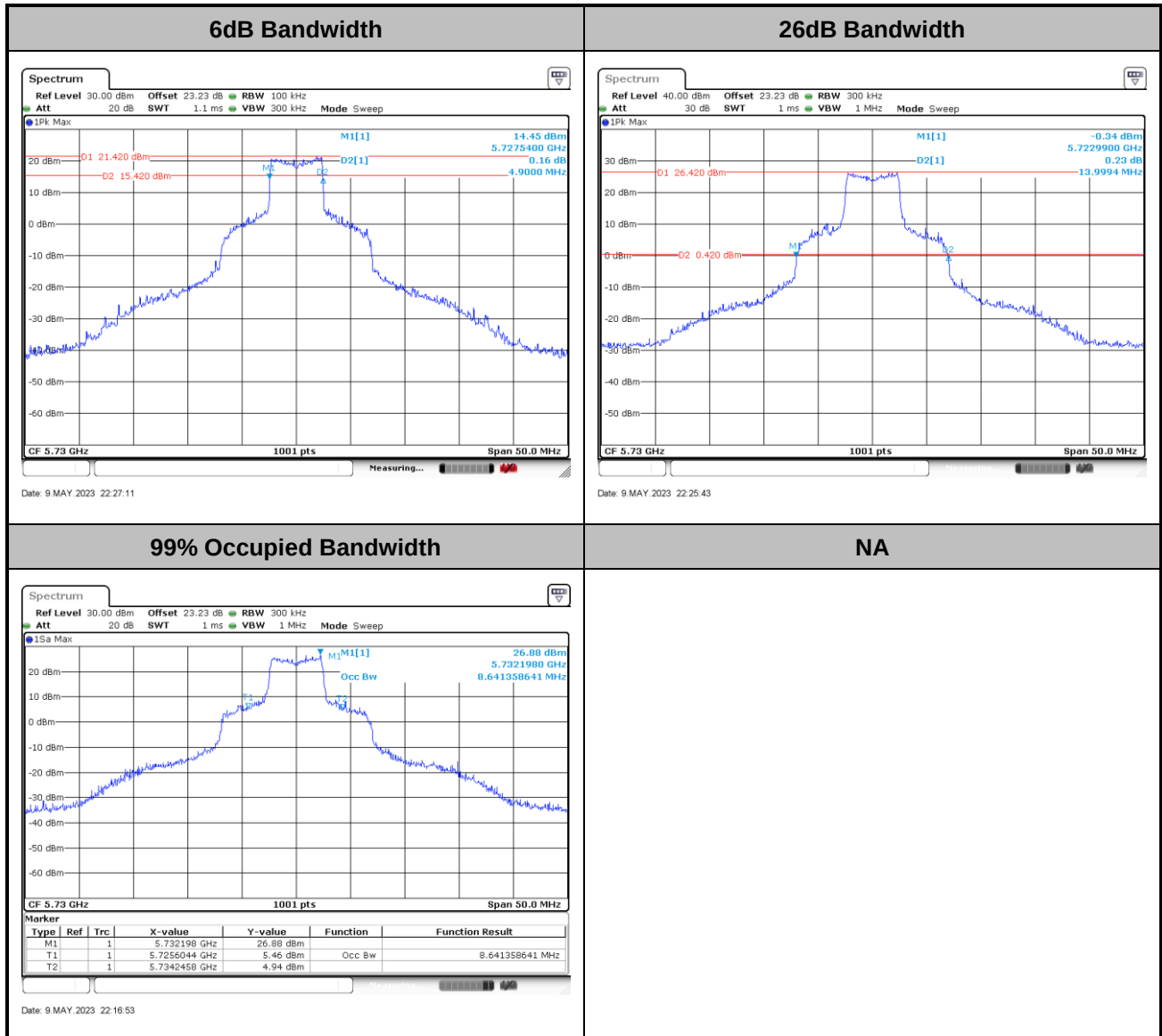


<802.11ax HE10 Full RU>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

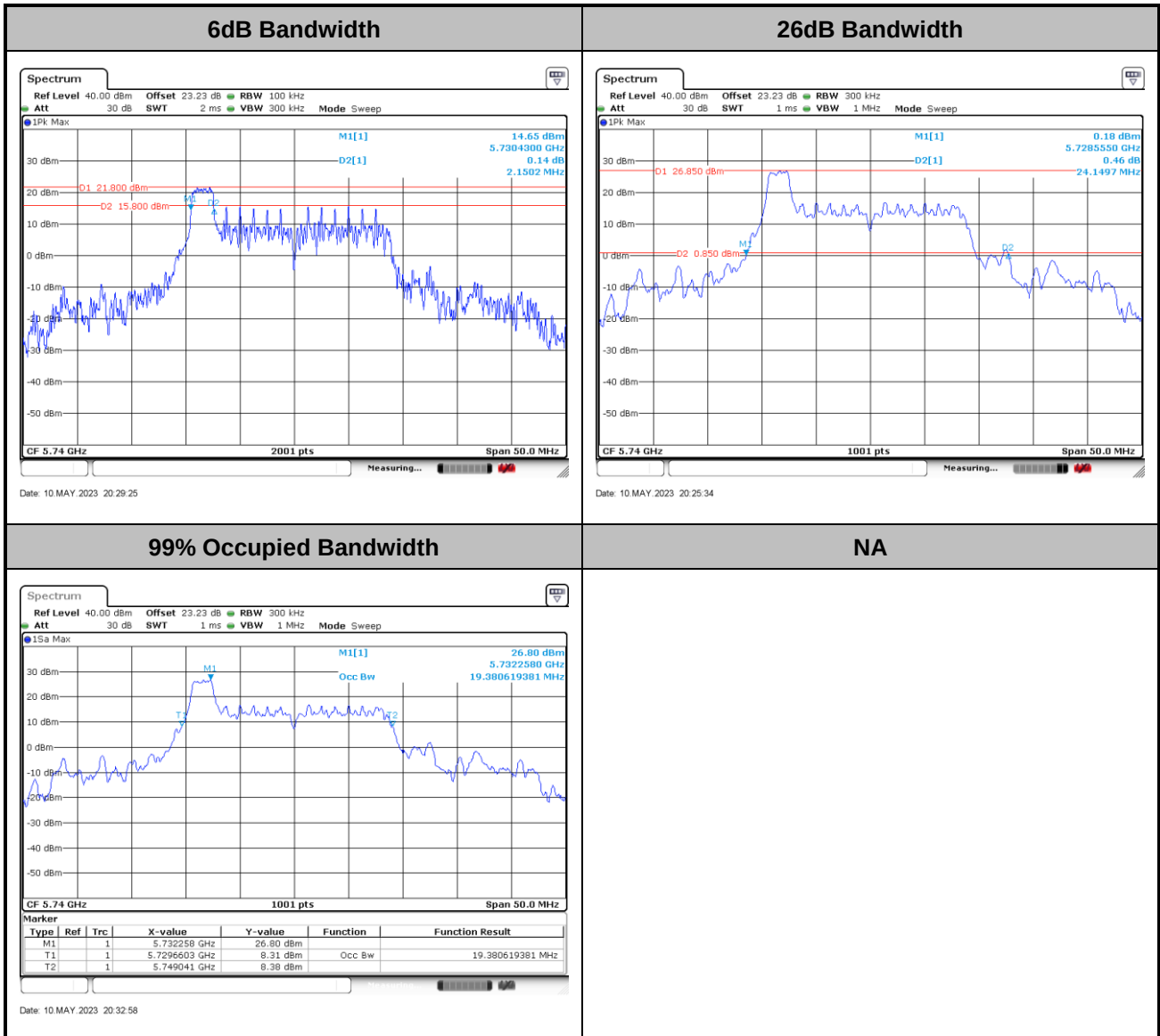
<802.11ax HE5 Full RU>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



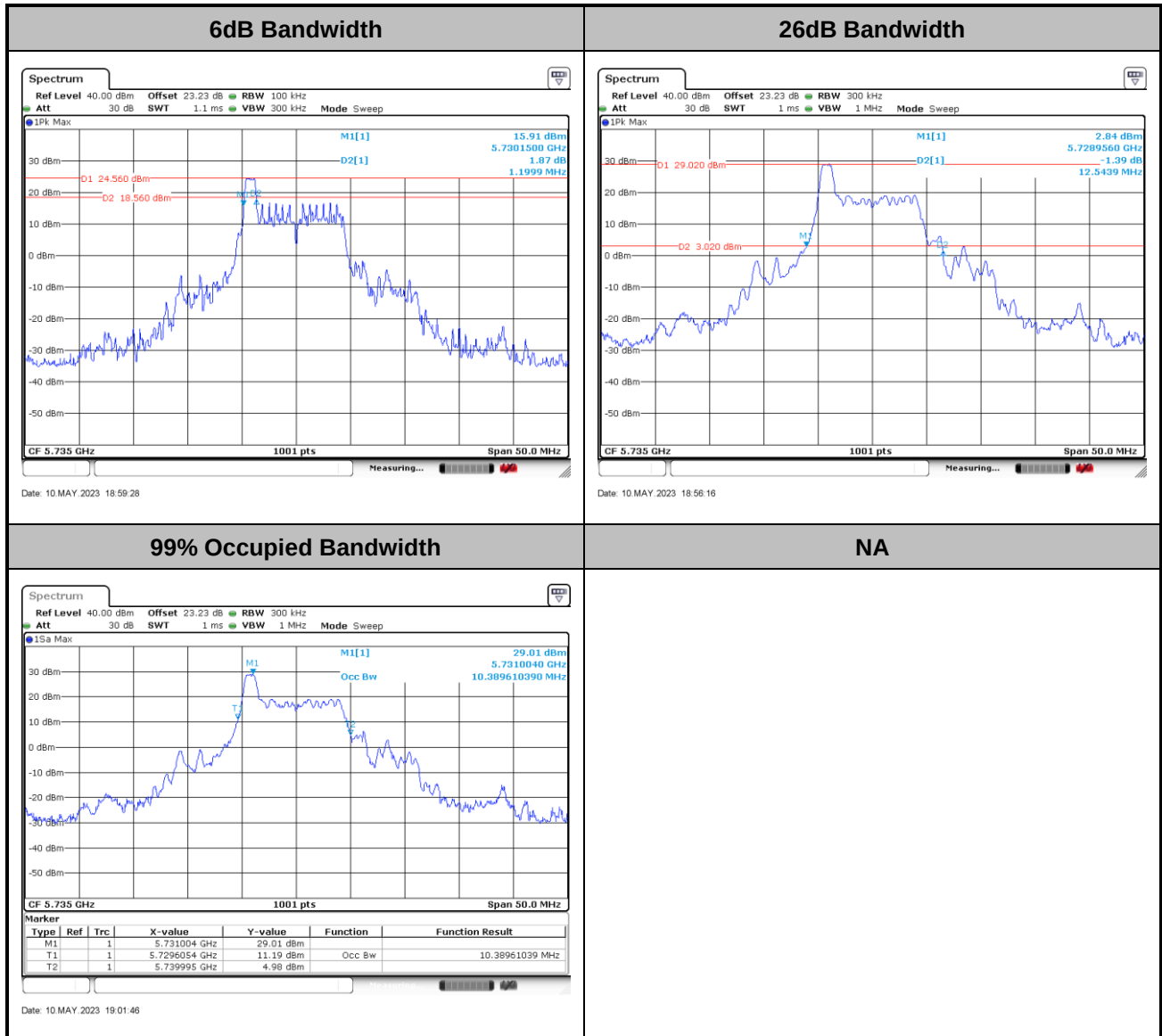
<802.11ax HE20 Single RU>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



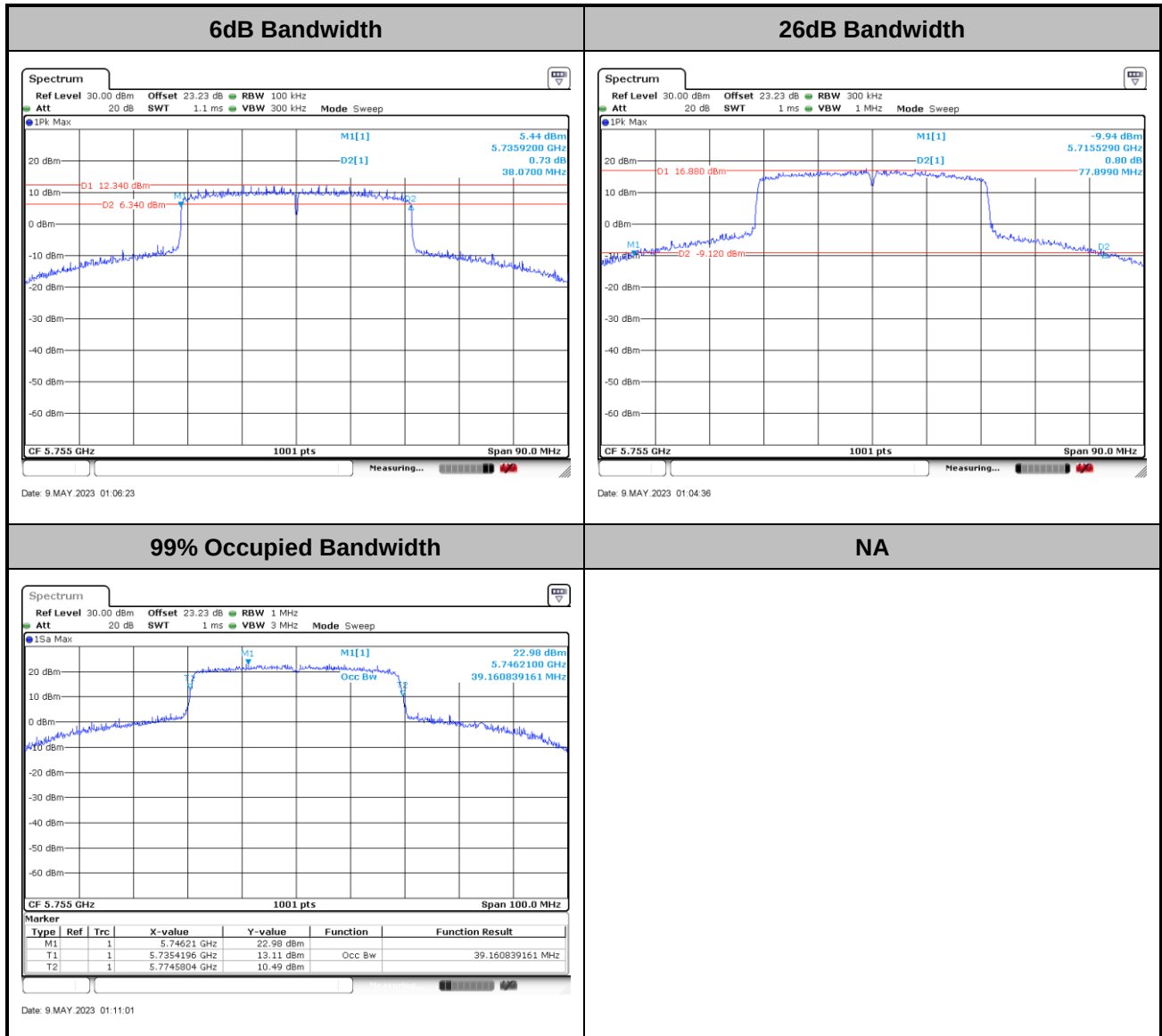
<802.11ax HE10 Single RU>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

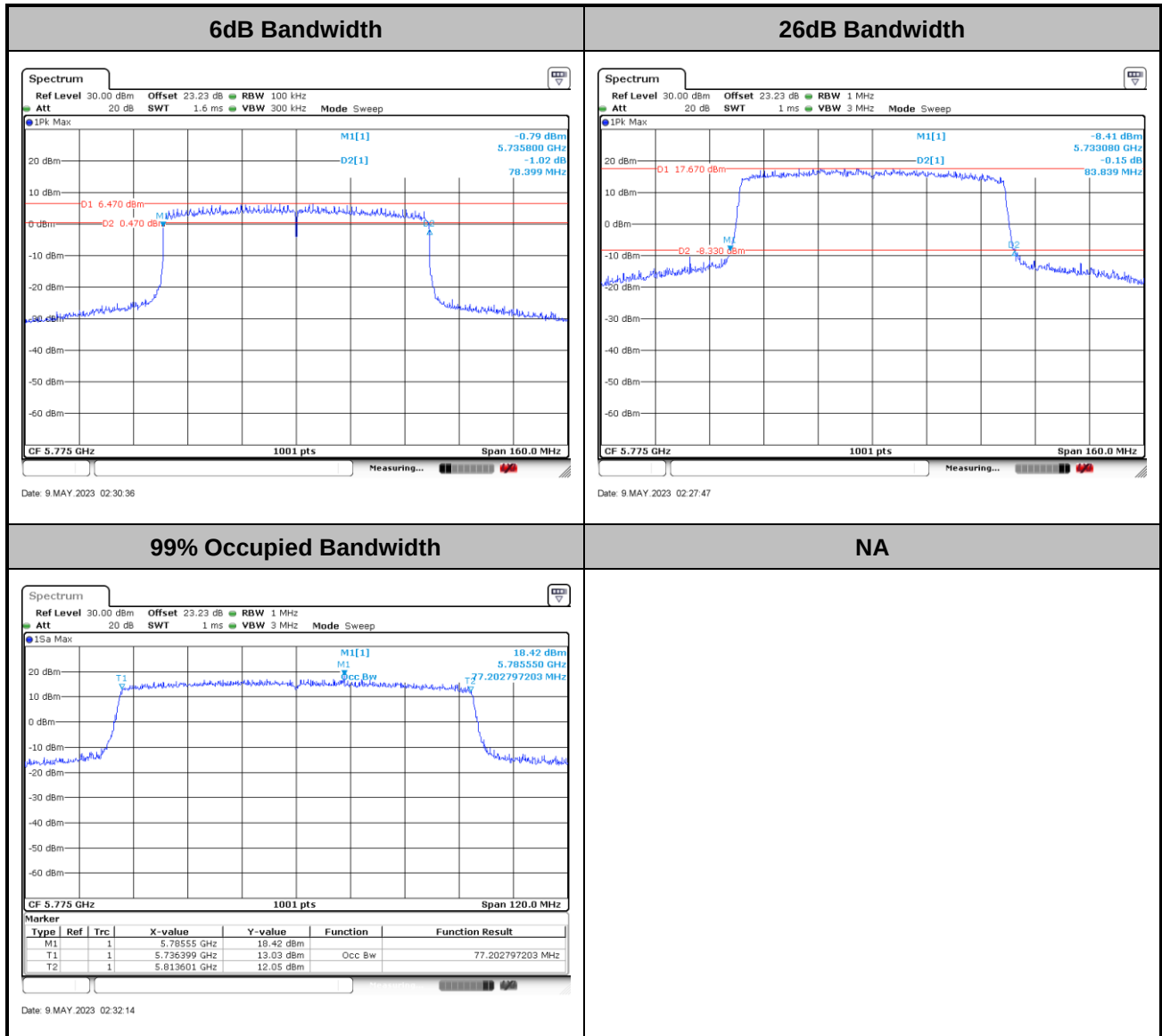


<802.11ax HE40 Full RU>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80 Full RU>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

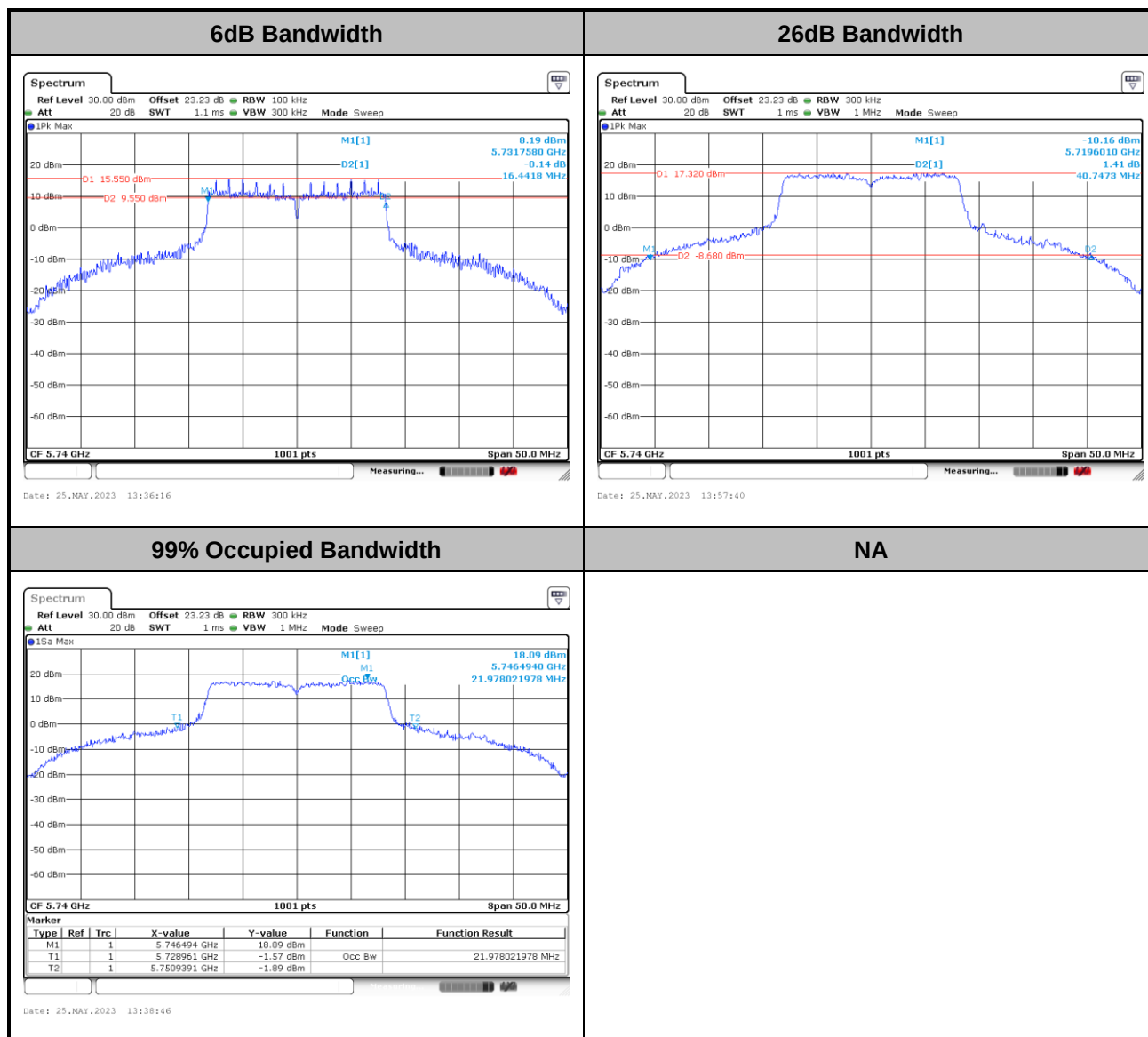


<With High Gain Antenna>

MIMO <Ant. 0+2>

<CDD Mode>

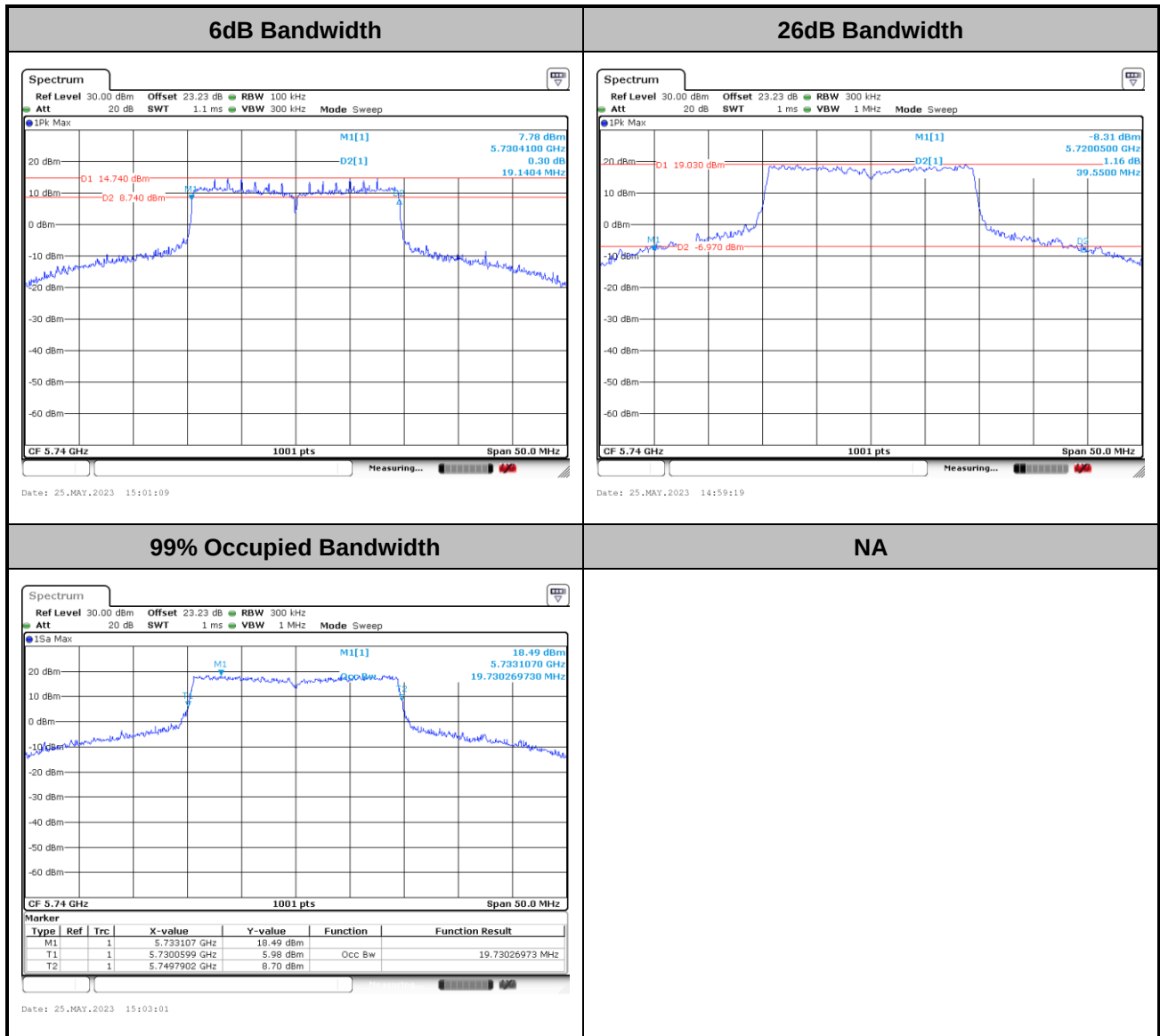
<802.11a>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<STBC Mode>

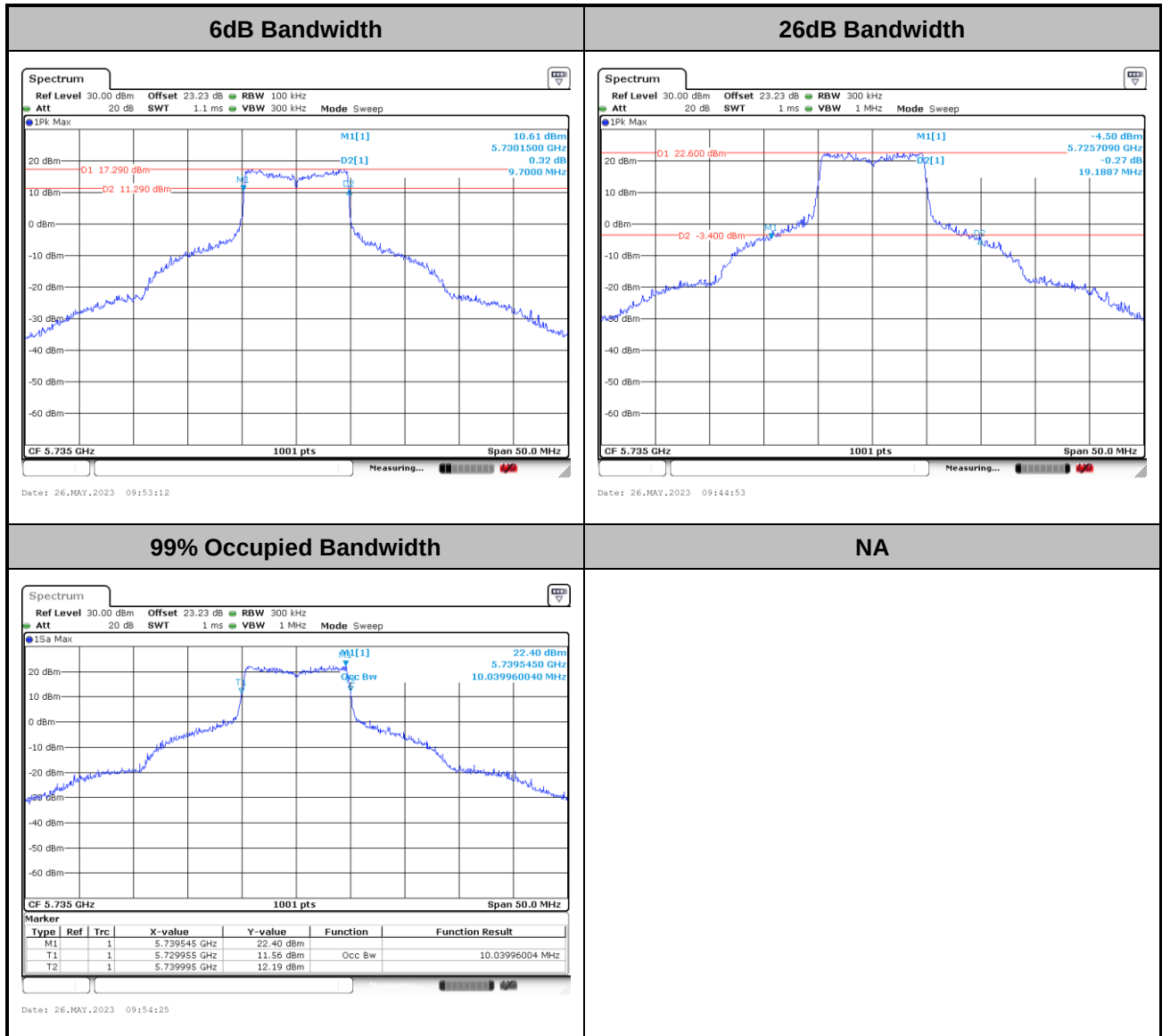
<802.11ax HE20 Full RU>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



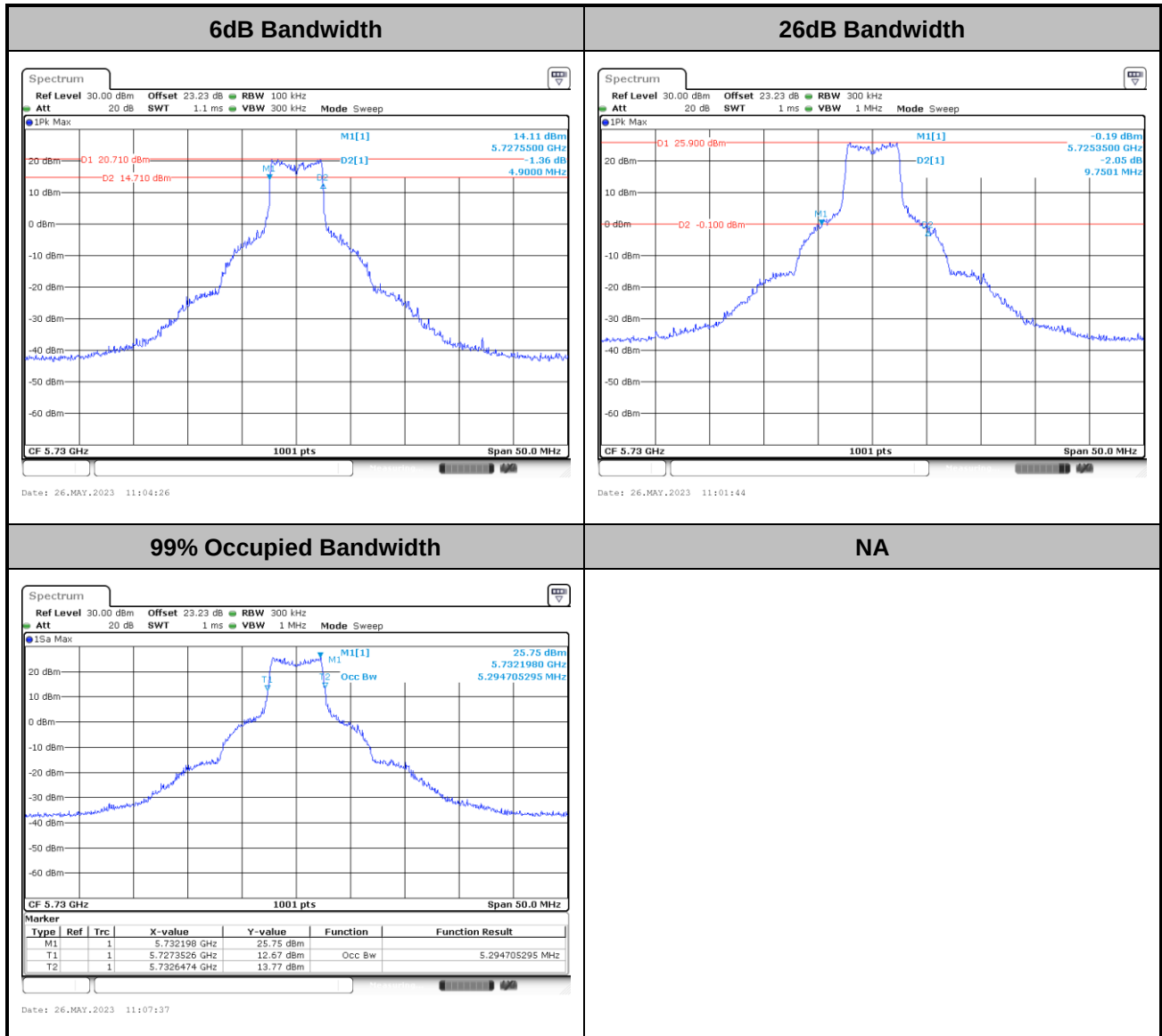
<802.11ax HE10 Full RU>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



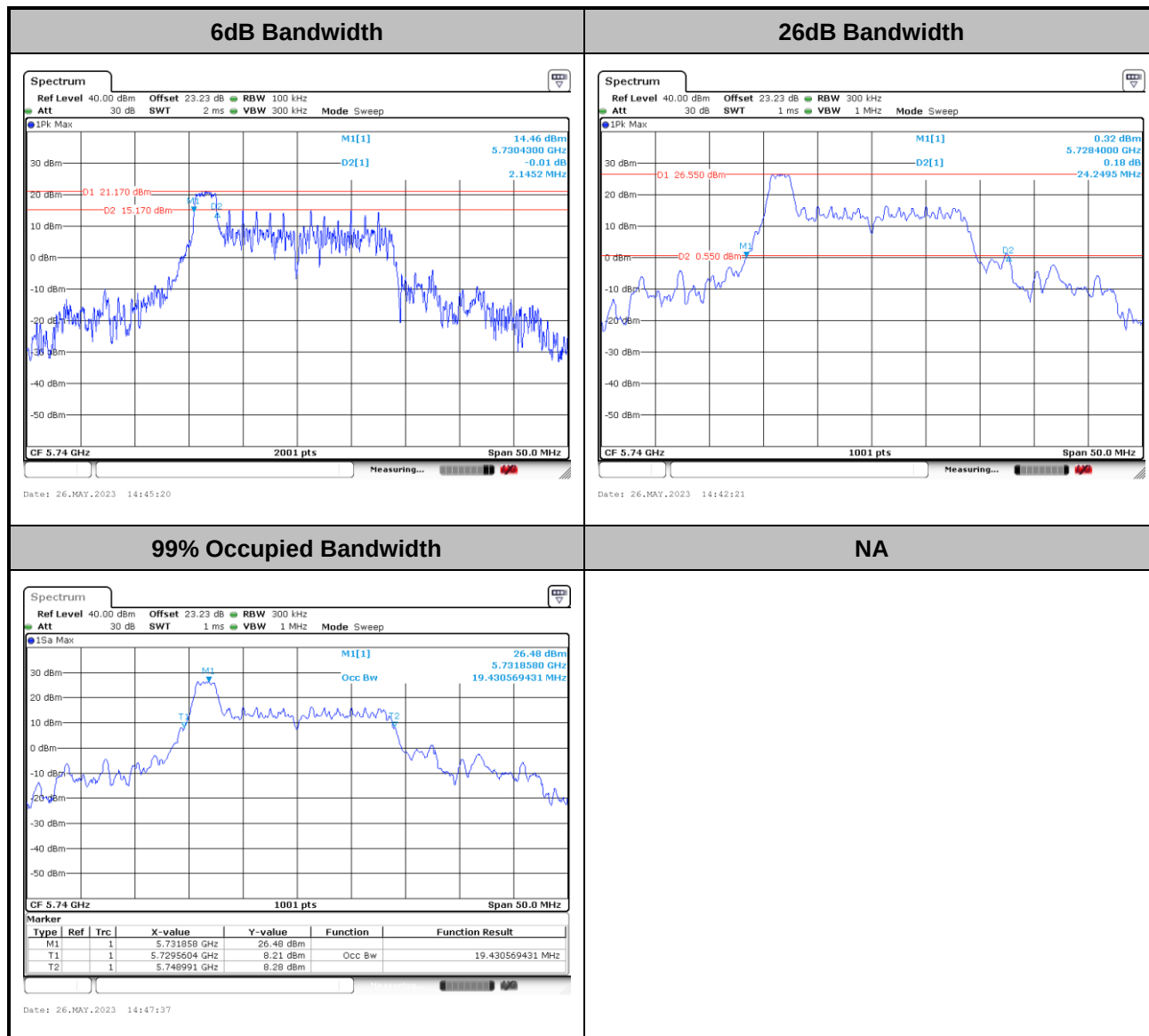
<802.11ax HE5 Full RU>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



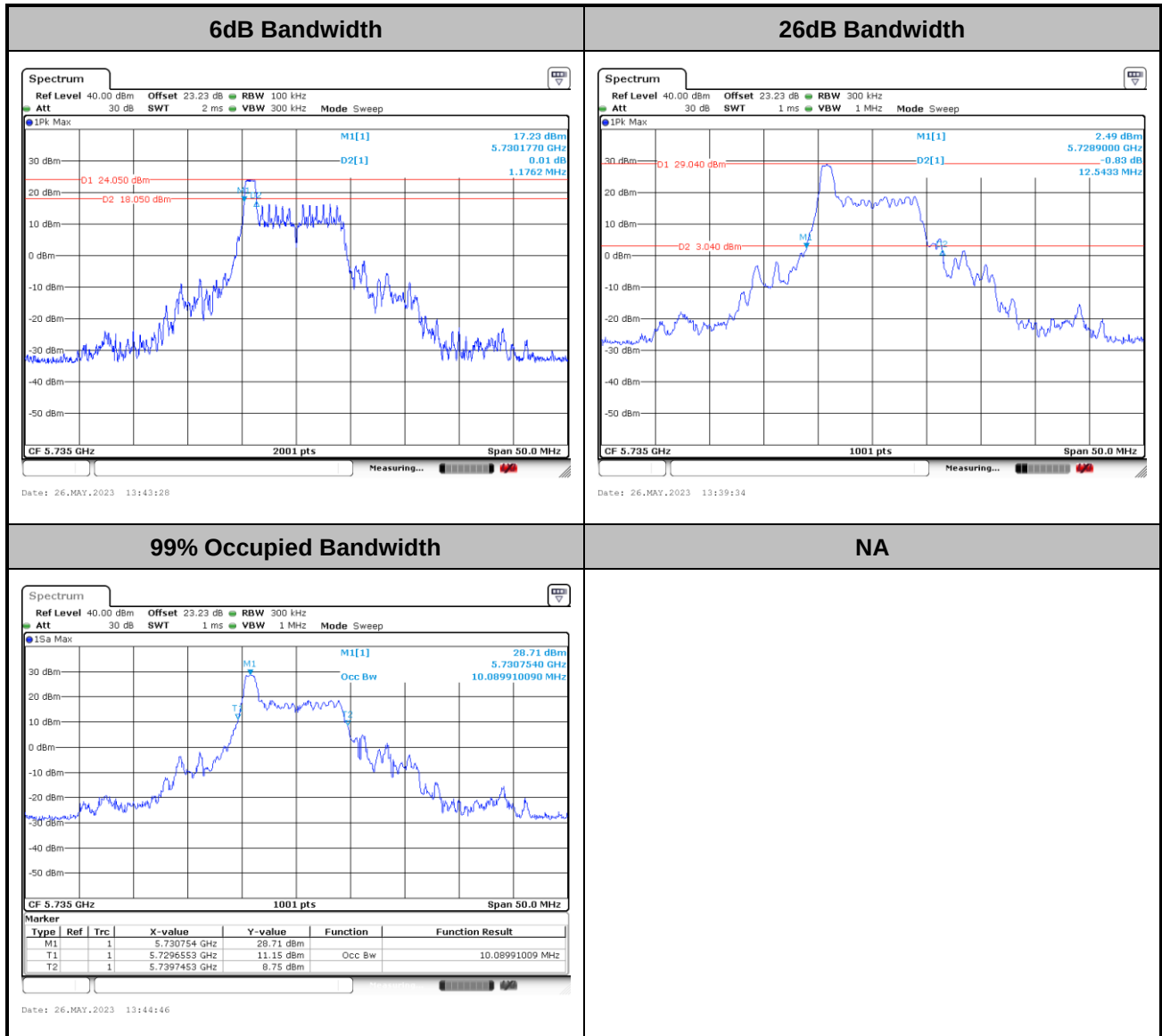
<802.11ax HE20 Single RU>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



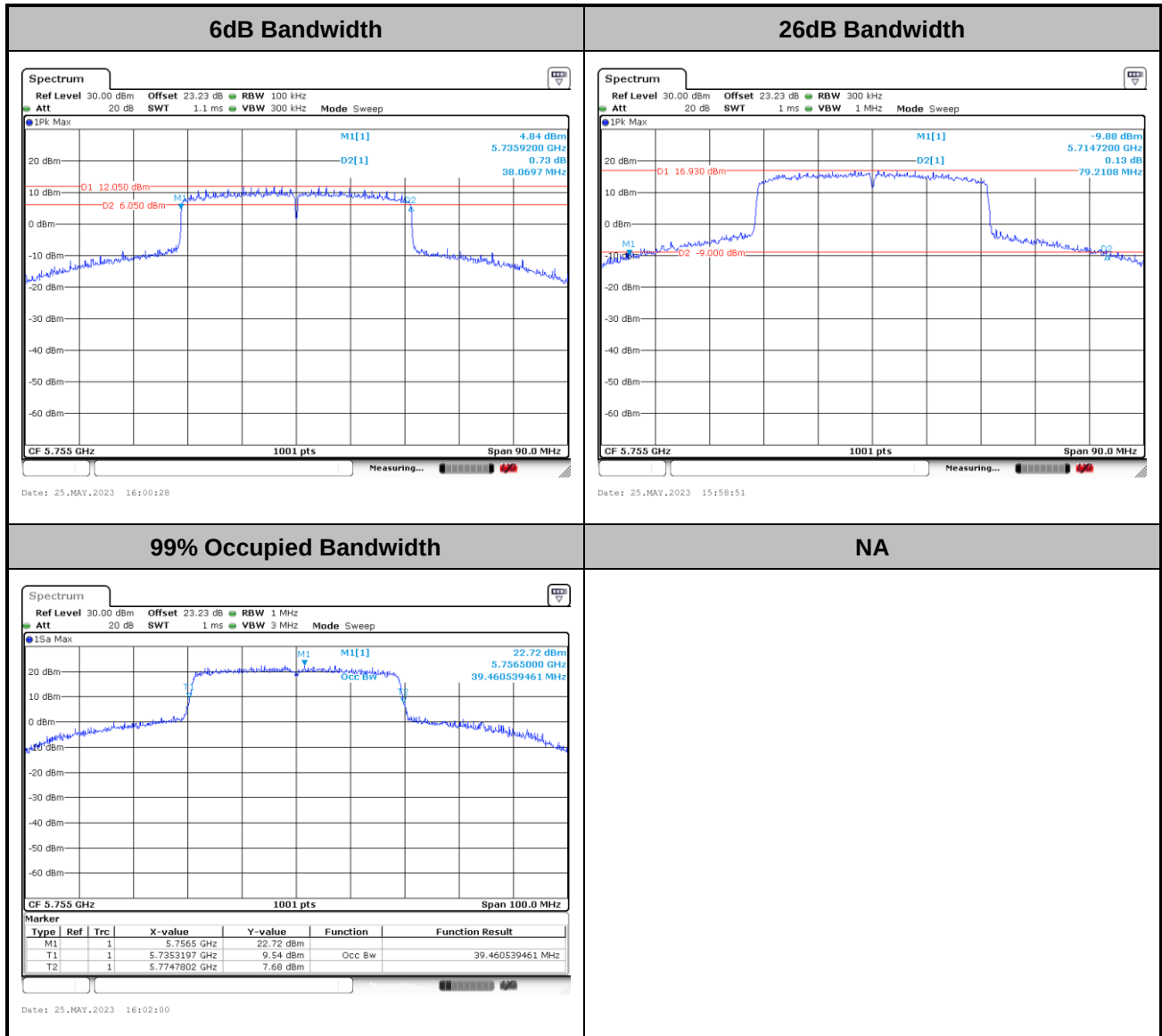
<802.11ax HE10 Single RU>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



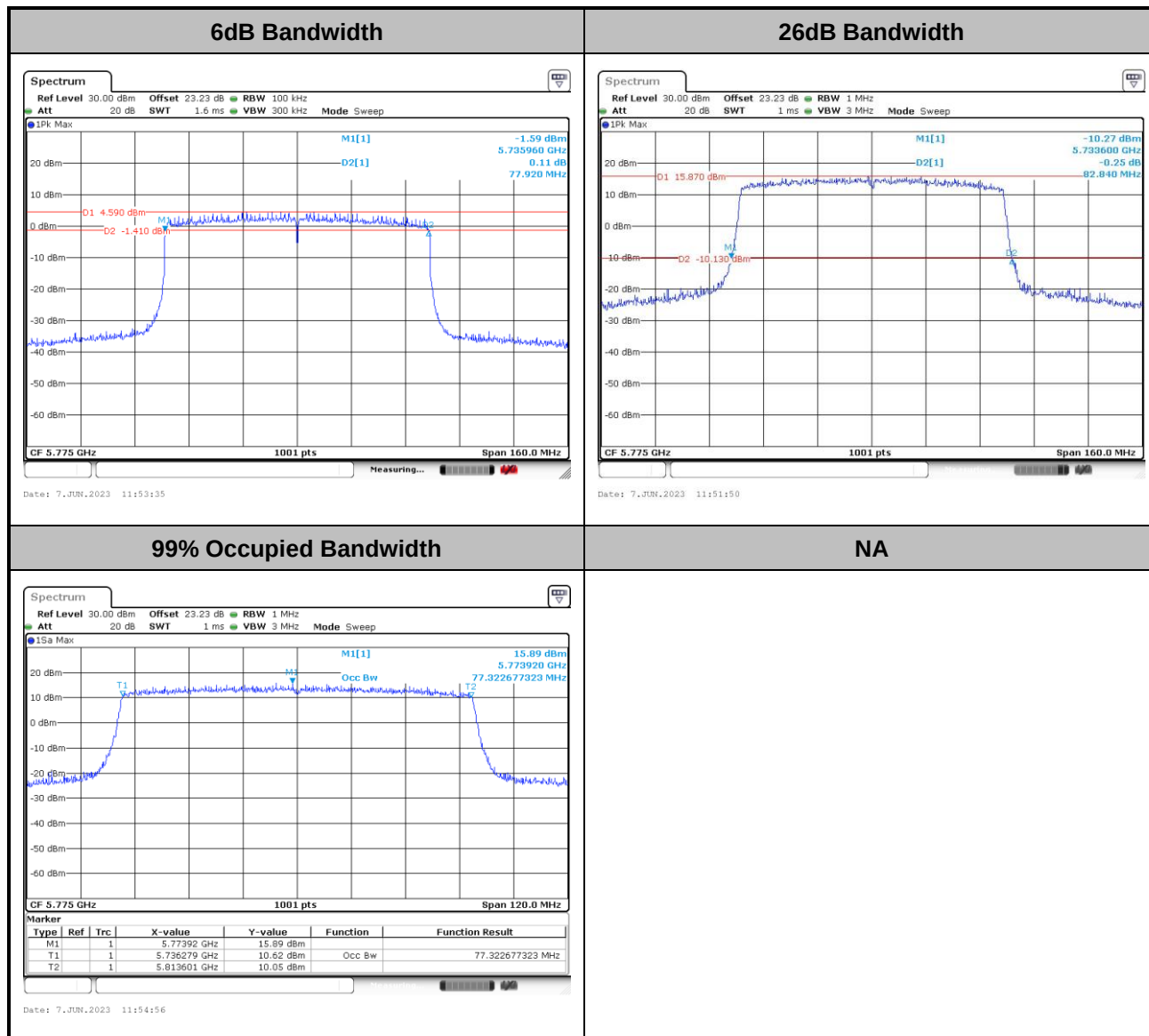
<802.11ax HE40 Full RU>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



<802.11ax HE80 Full RU>



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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

3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

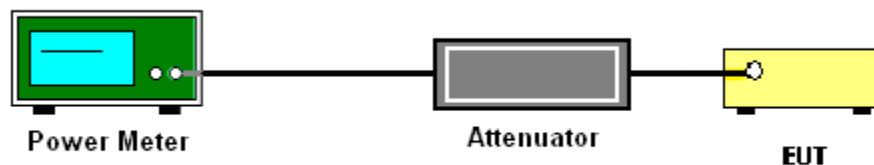
3.2.3 Test Procedures

The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

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

3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

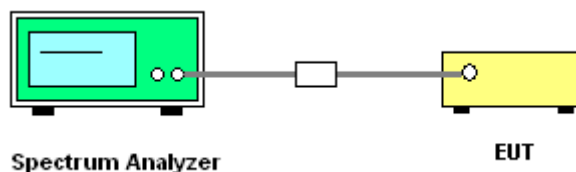
Method SA-2

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 300kHz.
 - Set VBW ≥ 1 MHz.
 - Add $10 \log(500 \text{ kHz/RBW})$ to the measured result, whereas RBW ($< 500 \text{ kHz}$) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
 - Number of points in sweep $\geq 2 \text{ Span} / \text{RBW}$.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6 \text{ dB}$ if the duty cycle is 25 percent.
1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSP and record it.
 3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (b) Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits.

3.3.4 Test Setup





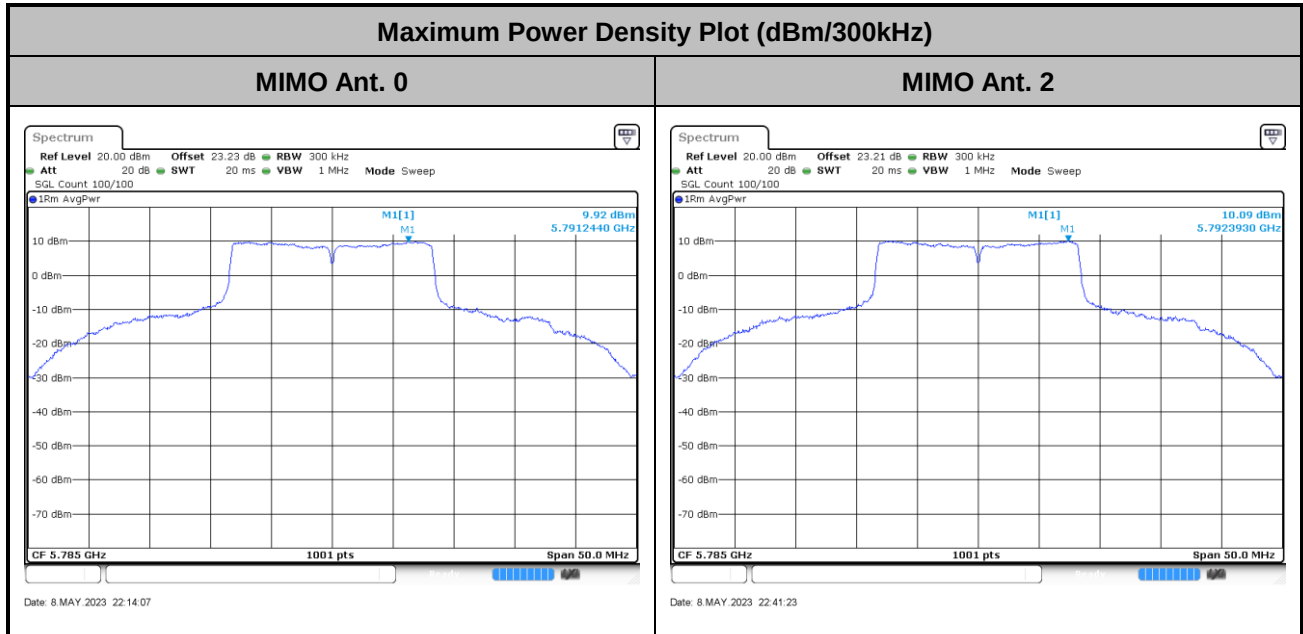
3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

<With Low Gain Antenna>

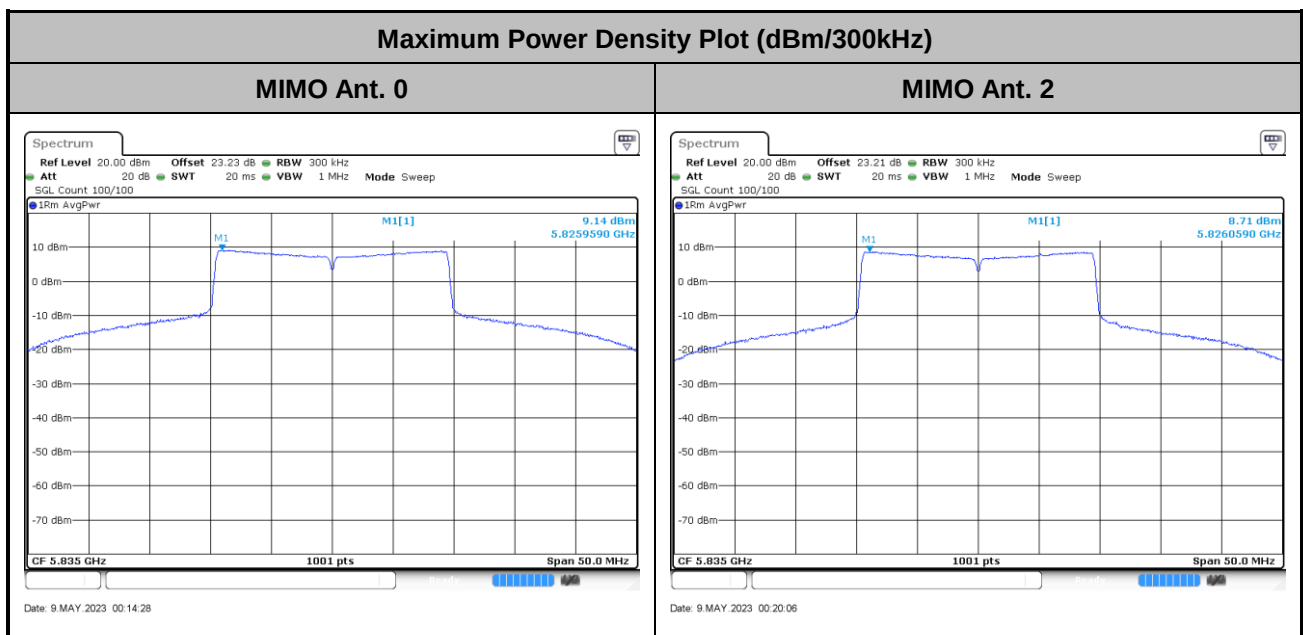
<CDD Modes>

<802.11a>



<STBC Mode>

<802.11ax HE20 Full RU>

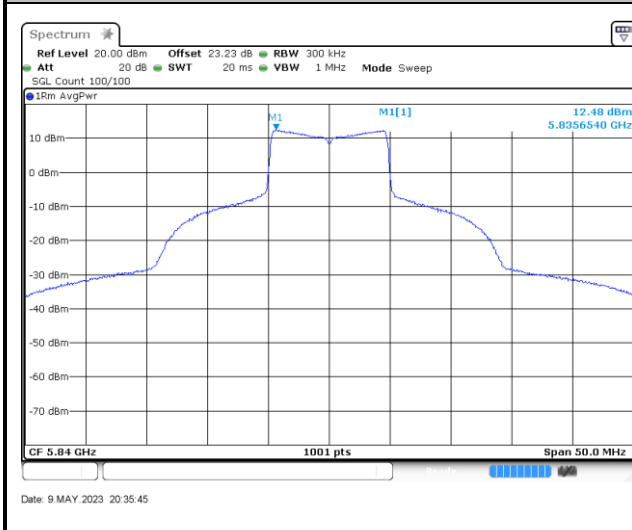




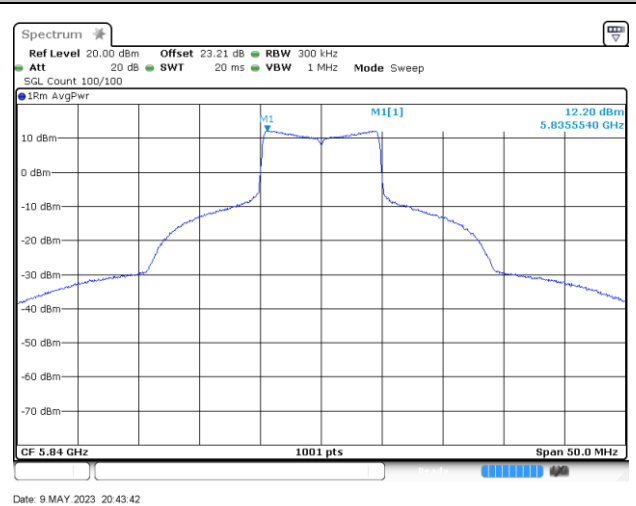
<802.11ax HE10 Full RU>

Maximum Power Density Plot (dBm/300kHz)

MIMO Ant. 0



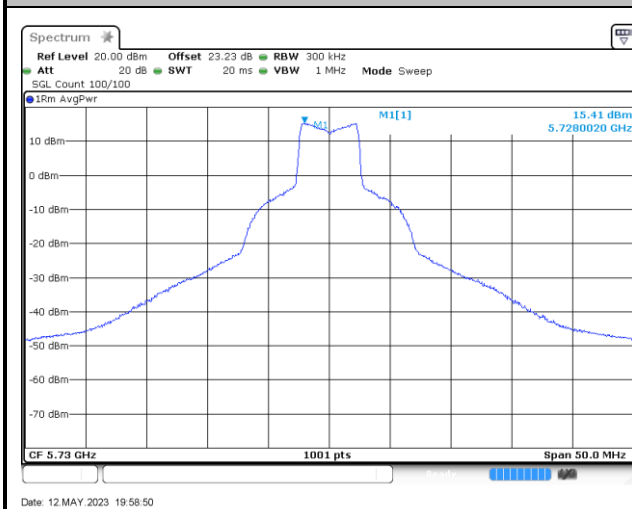
MIMO Ant. 2



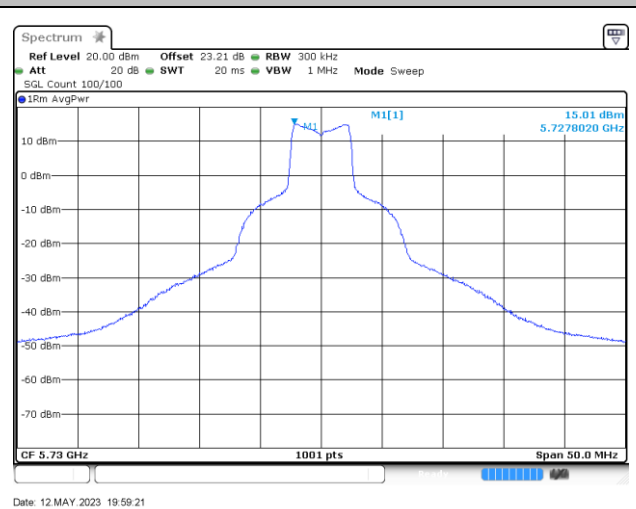
<802.11ax HE5 Full RU>

Maximum Power Density Plot (dBm/300kHz)

MIMO Ant. 0

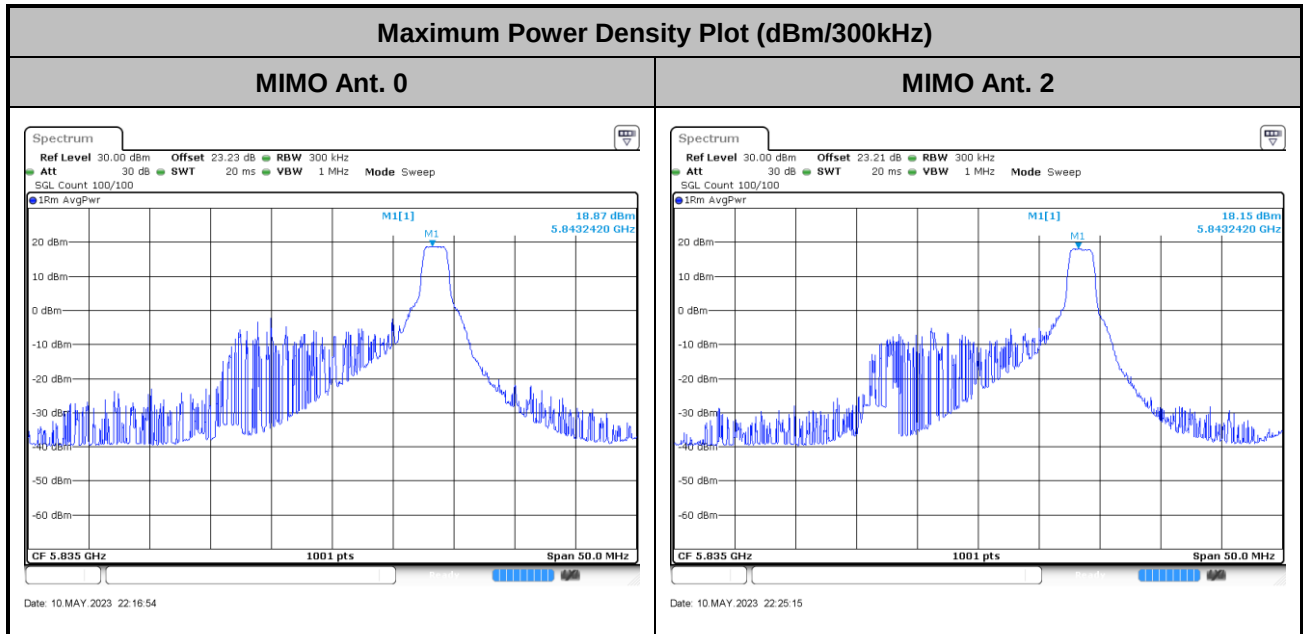


MIMO Ant. 2

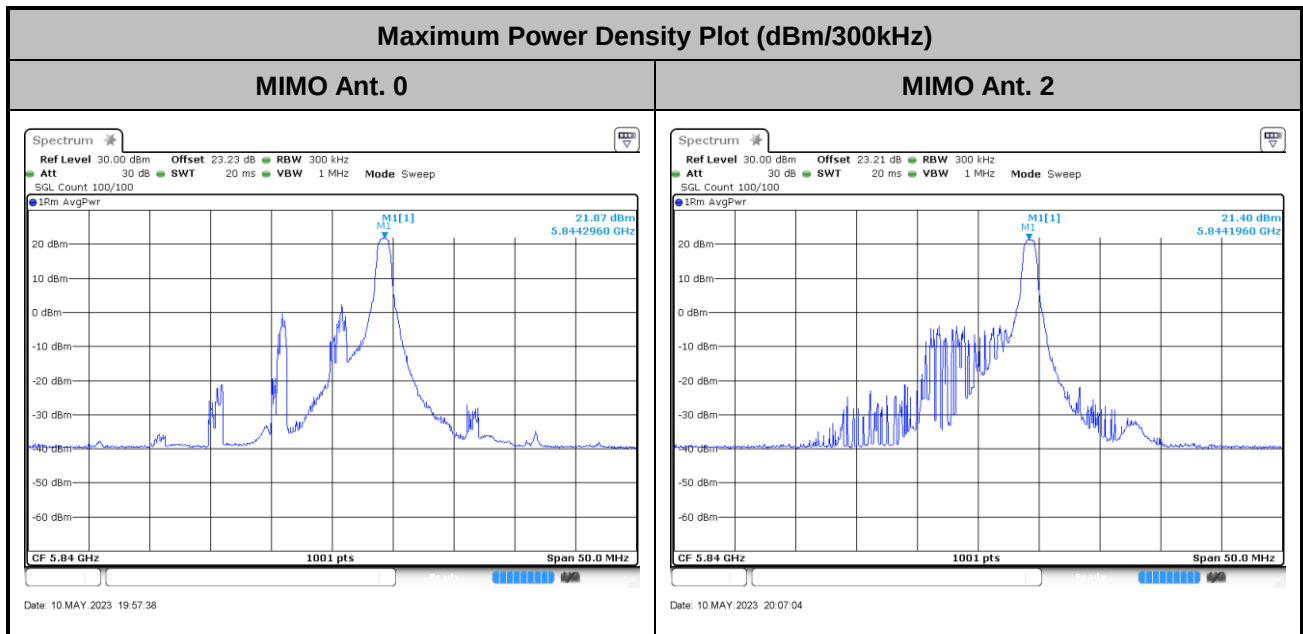




<802.11ax HE20 Single RU>



<802.11ax HE10 Single RU>

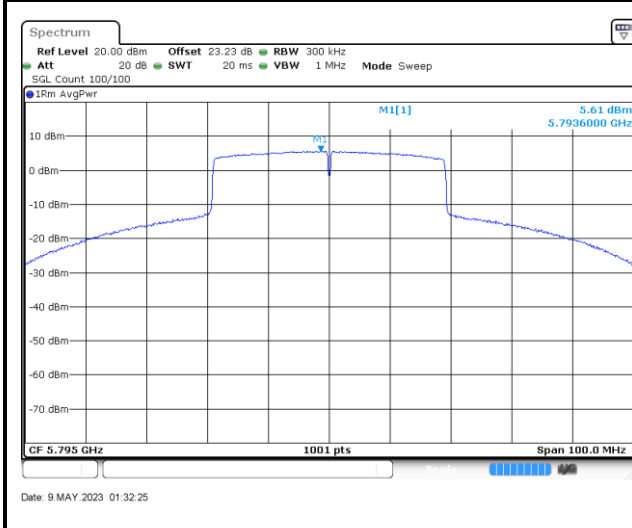




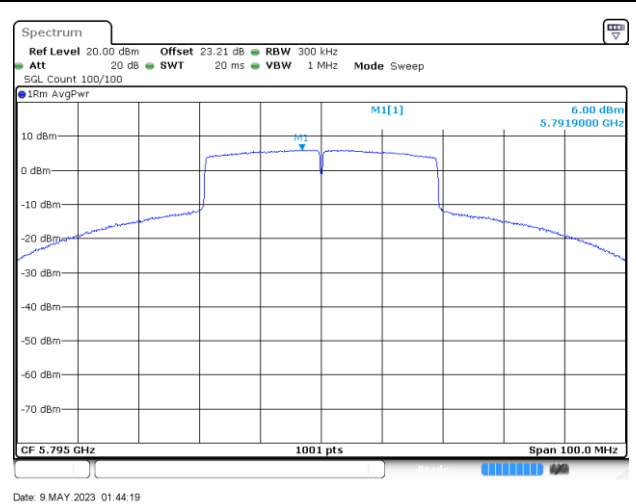
<802.11ax HE40 Full RU>

Maximum Power Density Plot (dBm/300kHz)

MIMO Ant. 0



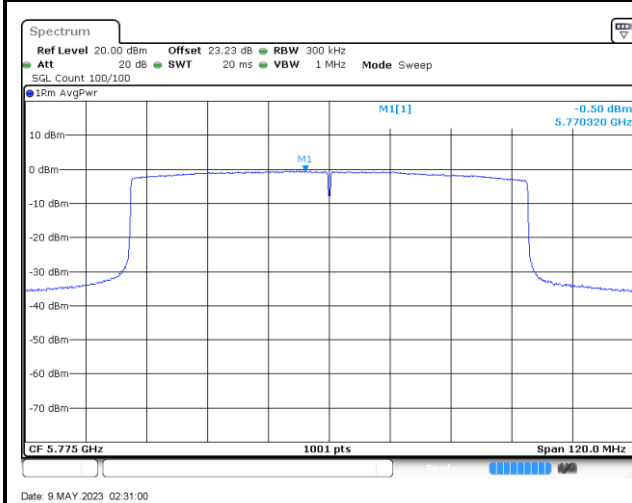
MIMO Ant. 2



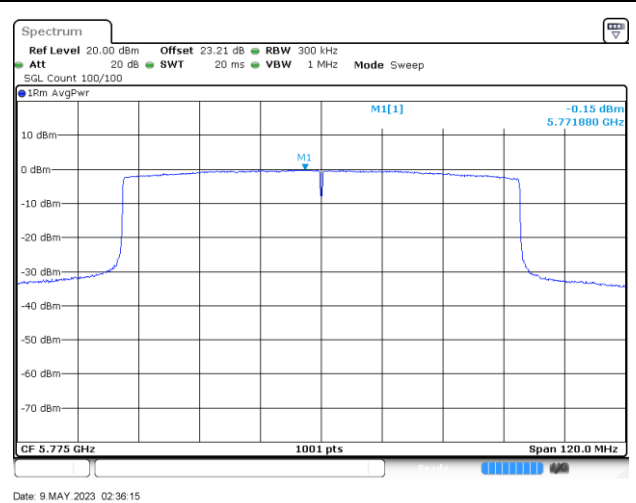
<802.11ax HE80 Full RU>

Maximum Power Density Plot (dBm/300kHz)

MIMO Ant. 0



MIMO Ant. 2





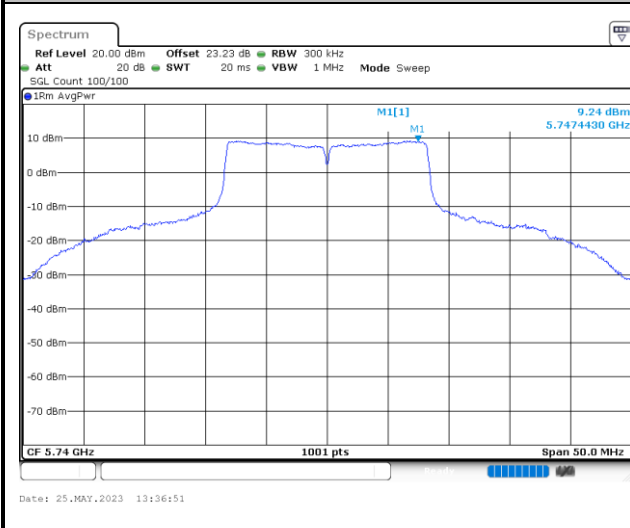
<With High Gain Antenna>

<CDD Modes>

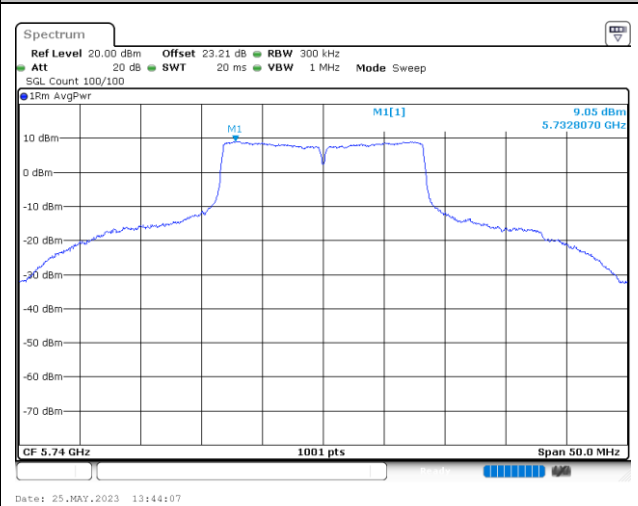
<802.11a>

Maximum Power Density Plot (dBm/300kHz)

MIMO Ant. 0



MIMO Ant. 2

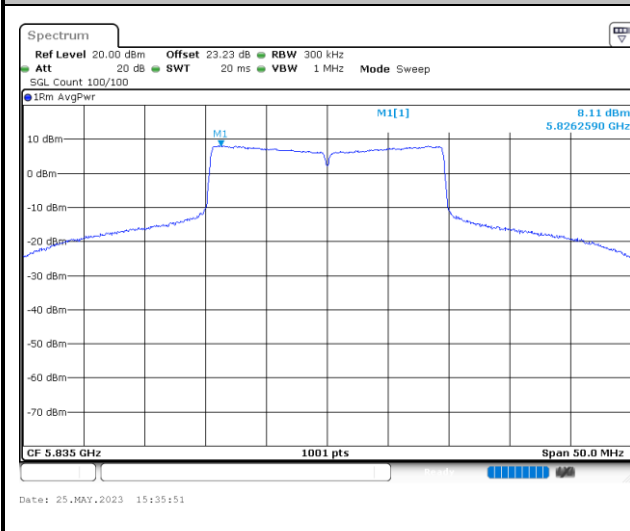


<STBC Mode>

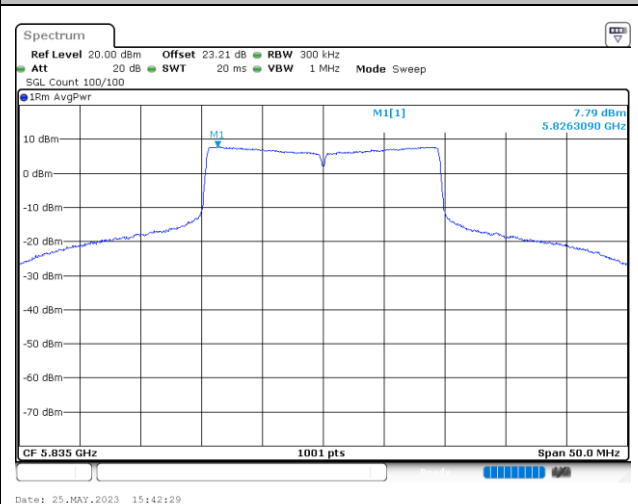
<802.11ax HE20 Full RU>

Maximum Power Density Plot (dBm/300kHz)

MIMO Ant. 0

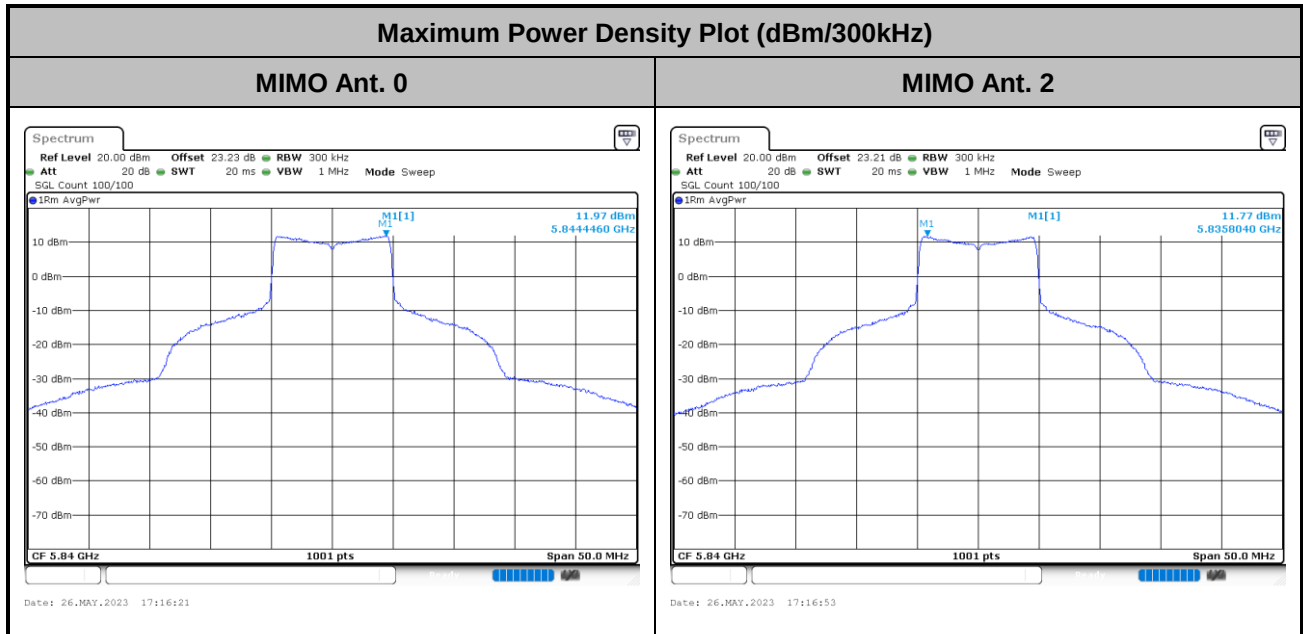


MIMO Ant. 2

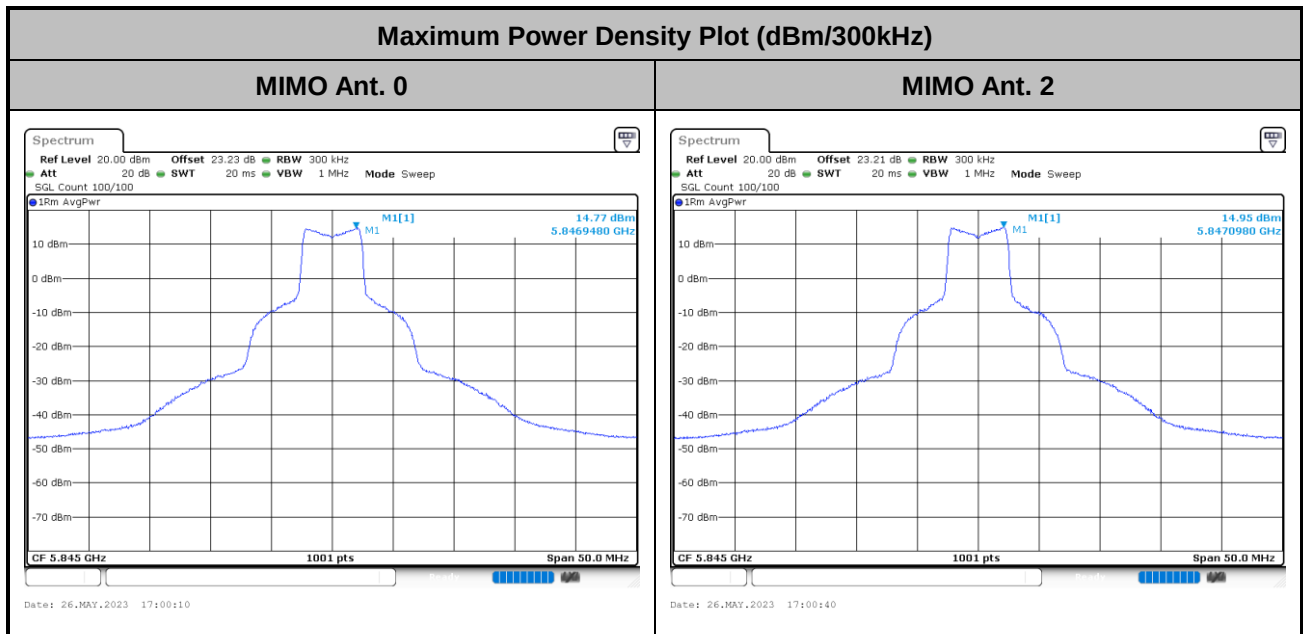




<802.11ax HE10 Full RU>

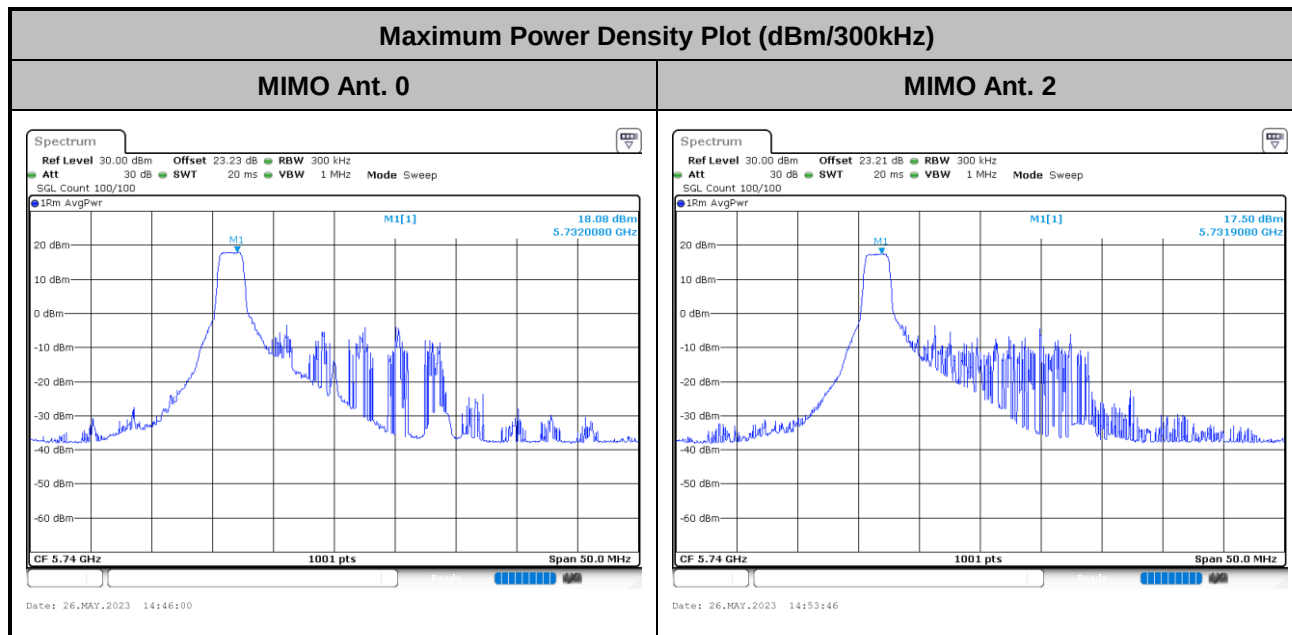


<802.11ax HE5 Full RU>

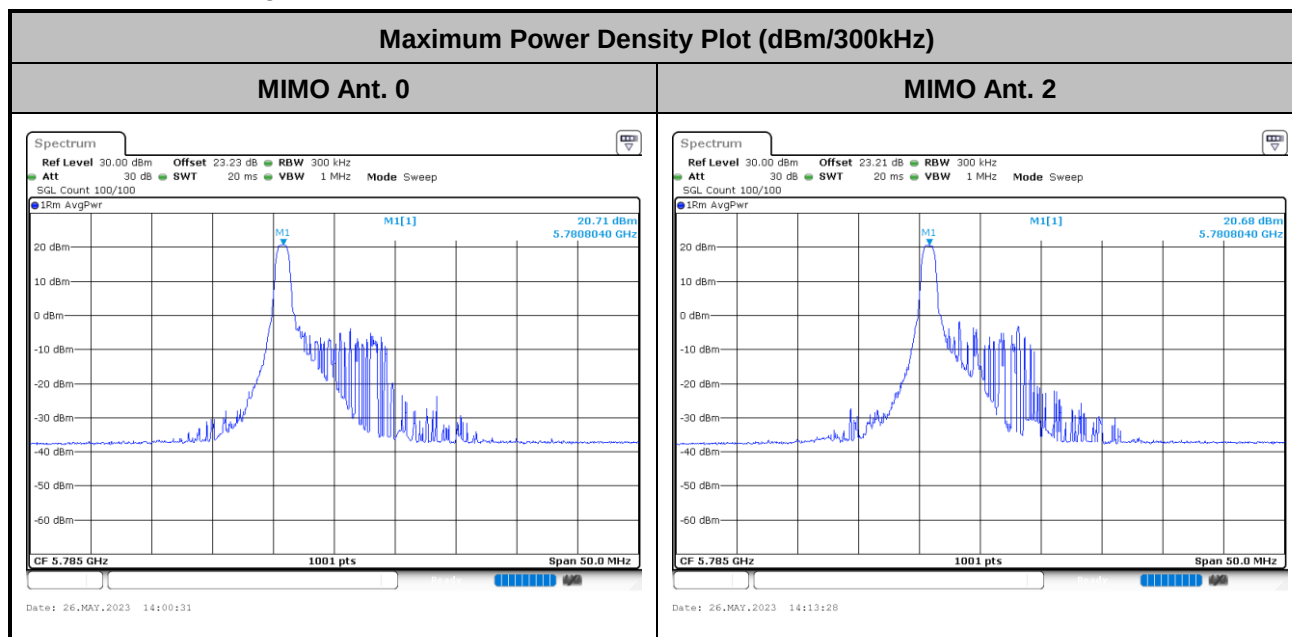




<802.11ax HE20 Single RU>

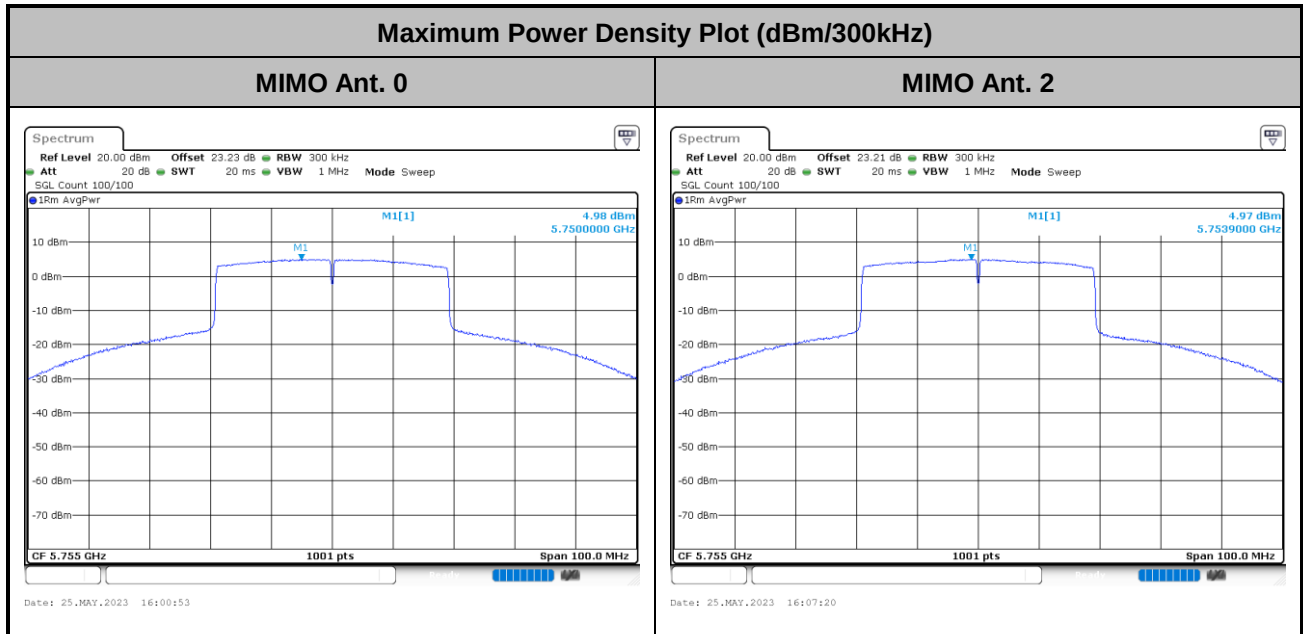


<802.11ax HE10 Single RU>

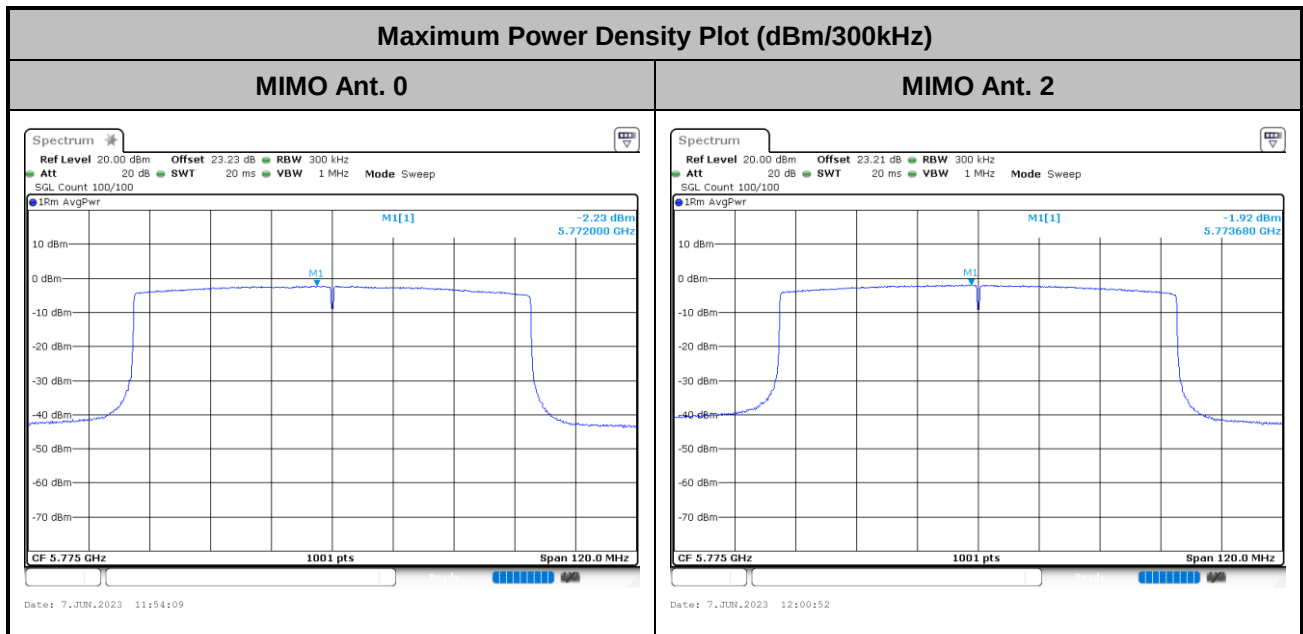




<802.11ax HE40 Full RU>



<802.11ax HE80 Full RU>



3.4 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

- (2) Unwanted spurious emissions falls in restricted bands shall comply with the general field strength limits as below table,

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

Note: The following formula is used to convert the EIRP to field strength.

$$E = \frac{1000000\sqrt{30P}}{3} \text{ } \mu\text{V/m, where P is the eirp (Watts)}$$

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.3

- (3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

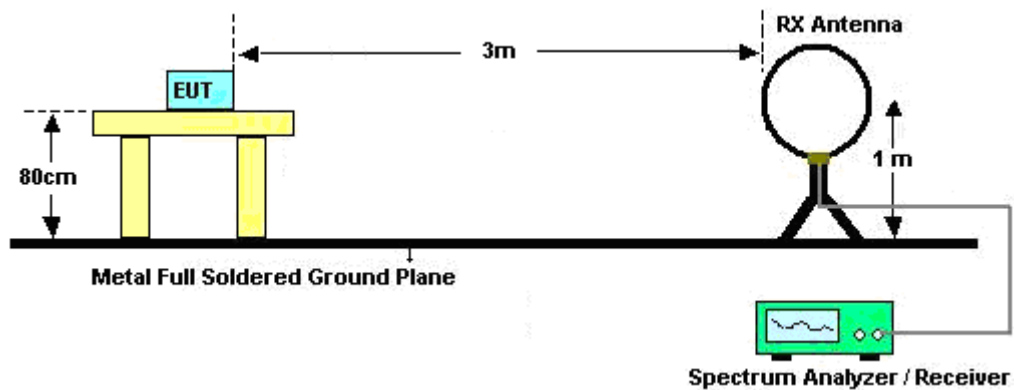
3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.

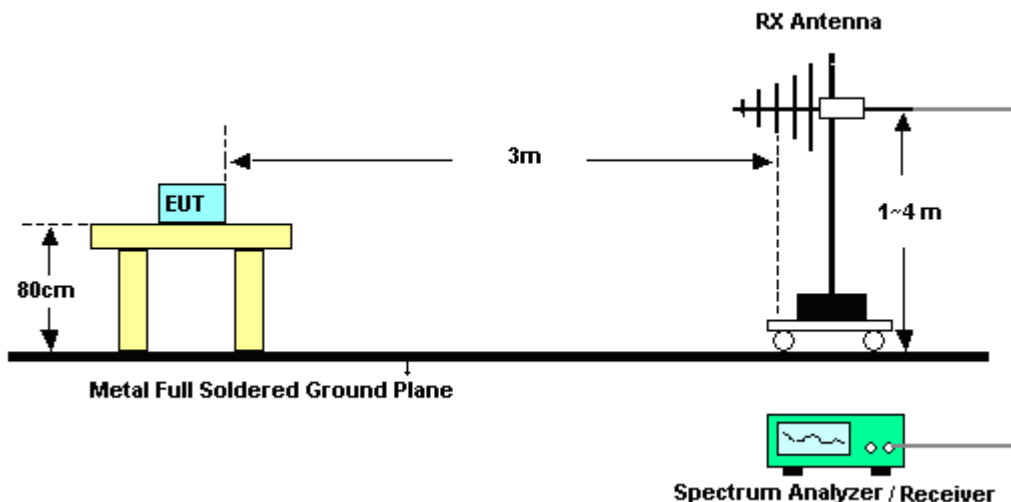
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-”.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

3.4.4 Test Setup

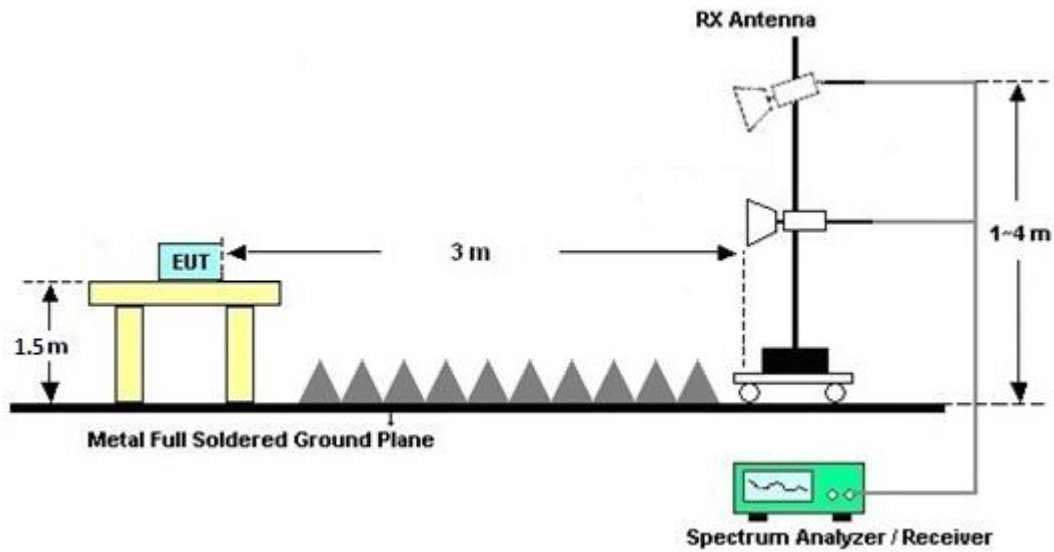
For radiated emissions below 30MHz



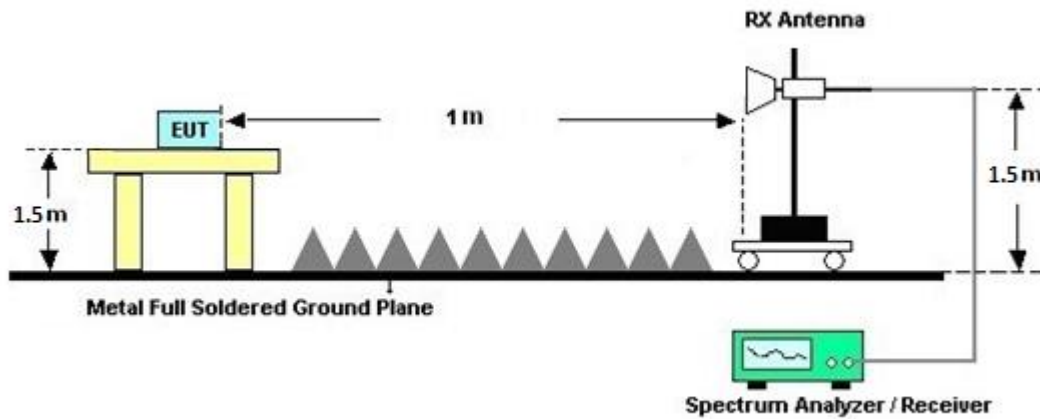
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



**3.4.5 Test Results of Radiated Emissions (9 kHz ~ 30 MHz)**

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

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

*Decreases with the logarithm of the frequency.

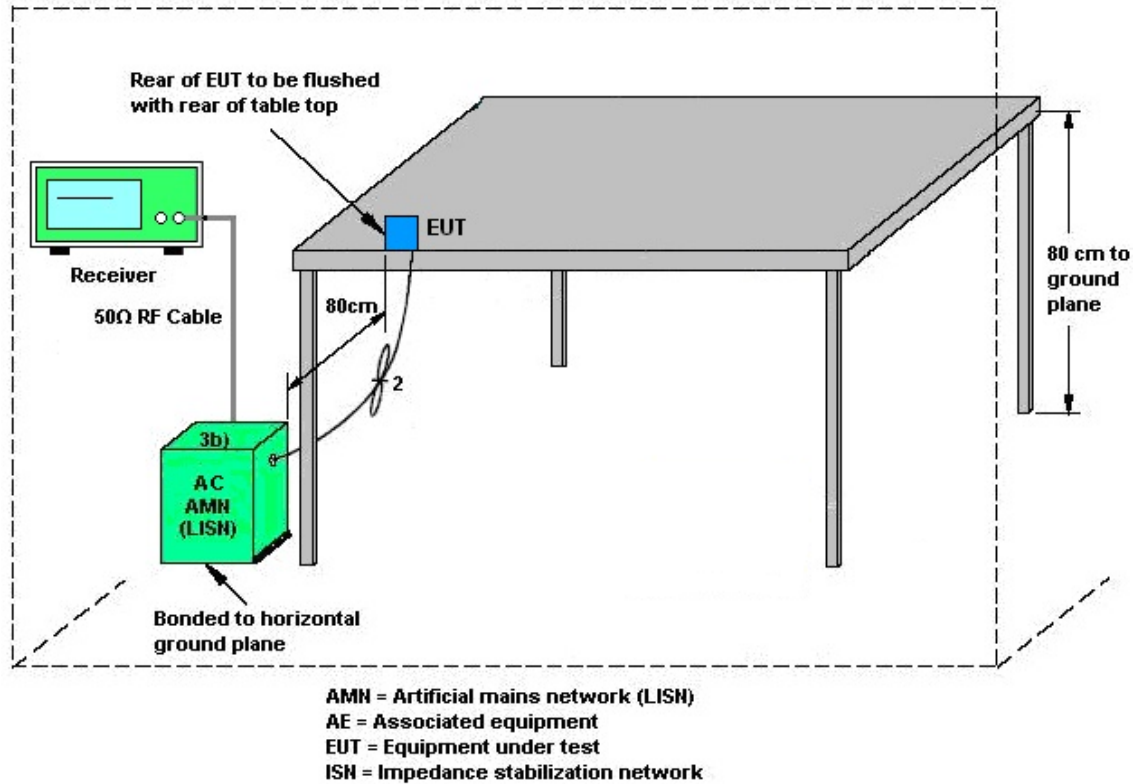
3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

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 rule.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100840	9kHz~30MHz	Jul. 05, 2022	Mar. 31, 2023~ May 24, 2023	Jul. 04, 2023	Radiation (03CH02-CA)
Bilog Antenna	TESEQ	6111D	54683	30MHz~1GHz	Nov. 01, 2022	Mar. 31, 2023~ May 24, 2023	Oct. 31, 2023	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	02113	1GHz~18GHz	Jun. 22, 2022	Mar. 31, 2023~ May 24, 2023	Jun. 21, 2023	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9170D	00842	18GHz~40GHz	Aug. 16 2022	Mar. 31, 2023~ May 24, 2023	Aug. 15 2023	Radiation (03CH02-CA)
Amplifier	SONOMA	310N	372240	N/A	May 10, 2022	Mar. 31, 2023~ May 02, 2023	May 09, 2023	Radiation (03CH02-CA)
Amplifier	SONOMA	310N	372240	N/A	May. 03, 2023	May 03, 2023~ May 24, 2023	May. 02, 2024	Radiation (03CH02-CA)
Preamplifier	Keysight	83017A	MY53270323	1GHz~26.5GHz	May 11, 2022	Mar. 31, 2023~ May 03, 2023	May 10, 2023	Radiation (03CH02-CA)
Preamplifier	Keysight	83017A	MY53270323	1GHz~26.5GHz	May 04, 2023	May 04, 2023~ May 24, 2023	May 03, 2024	Radiation (03CH02-CA)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055004	1GHz~18GHz	May 10, 2022	May 03, 2023	May 09, 2023	Radiation (03CH02-CA)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055004	1GHz~18GHz	May 04, 2023	May 04, 2023~ May 24, 2023	May 03, 2024	Radiation (03CH02-CA)
Preamplifier	E-instrument	ERA-100M-18G-56-01-A70	EC1900252	1GHz~18GHz	May 09, 2022	Mar. 31, 2023~ May 03, 2023	May 08, 2023	Radiation (03CH02-CA)
Preamplifier	E-instrument	ERA-100M-18G-56-01-A70	EC1900252	1GHz~18GHz	May 04, 2023	May 04, 2023~ May 18, 2023	May 03, 2024	Radiation (03CH02-CA)
Preamplifier	EMEC	EMC18G40G	060725	18GHz~40GHz	May 10, 2022	Mar. 31, 2023~ May 03, 2023	May 09, 2023	Radiation (03CH02-CA)
Preamplifier	EMEC	EMC18G40G	060725	18GHz~40GHz	May 04, 2023	May 04, 2023~ May 24, 2023	May 03, 2024	Radiation (03CH02-CA)
RF Cable	HUBER+SUHNER	SUCOFLEX 102	804209/2, 802406/2, 802875/2, 802952/2	N/A	Nov. 14, 2022	Mar. 31, 2023~ May 24, 2023	Nov. 13, 2023	Radiation (03CH02-CA)
High Pass Filter	WOKEN	WFIL-H6500-26500F	WR67BWC4B1	6.5G-26.5G	Apr. 10, 2023	Mar. 31, 2023~ May 24, 2023	Apr. 09, 2024	Radiation (03CH02-CA)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN8	6.75GHz High Pass Filter	Jul. 21, 2022	Mar. 31, 2023~ May 24, 2023	Jul. 20, 2023	Radiation (03CH02-CA)
Filter	Wainwright	WLK12-1200-1272-11000-40SS	SN2	1.2GHz Low Pass Filter	Jul. 21, 2022	Mar. 31, 2023~ May 24, 2023	Jul. 20, 2023	Radiation (03CH02-CA)
Hygrometer	TESEO	608-H1	45142602	N/A	Sep.12, 2022	Mar. 31, 2023~ May 24, 2023	Sep. 11, 2023	Radiation (03CH02-CA)
Controller	ChainTek	EM-1000	060876	NA	N/A	Mar. 31, 2023~ May 24, 2023	N/A	Radiation (03CH02-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Mar. 31, 2023~ May 24, 2023	N/A	Radiation (03CH02-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Mar. 31, 2023~ May 24, 2023	N/A	Radiation (03CH02-CA)
Software	Audix	E3	N/A	N/A	N/A	Mar. 31, 2023~ May 24, 2023	N/A	Radiation (03CH02-CA)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	45141354	N/A	Jul. 27, 2022	May 08, 2023~ May 26, 2023	Jul. 26, 2023	Conducted (TH01-CA)
Power Sensor	DARE!!	RPR3008W	RPR8W-2301 002	10MHz-8GHz	Aug. 02, 2023	May 08, 2023~ May 26, 2023	Jul. 02, 2024	Conducted (TH01-CA)
Switch Box	EM Electronics	EMSW26	1090304	N/A	Dec. 05, 2022	May 08, 2023~ May 26, 2023	Dec. 04, 2023	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101089	10Hz-40GHz	Jun. 01, 2022	May 08, 2023~ May 26, 2023	May 31, 2023	Conducted (TH01-CA)
LISN	TESEQ	NNB51	47407	N/A	May 16, 2023	May 25, 2023	May 15, 2024	Conduction (CO01-CA)
EMI Test Receiver	R&S	ESR7	102177	9kHz~7GHz	May 31, 2022	May 25, 2023	May 30, 2023	Conduction (CO01-CA)
Pulse limiter with 10dB attenuation	R&S	VTSD 9561-F N	9561-F- N00412	N/A	Jul. 05, 2022	May 25, 2023	Jul. 04, 2023	Conduction (CO01-CA)
Test Software	R&S	EMC32 V10.30.0	N/A	N/A	N/A	May 25, 2023	N/A	Conduction (CO01-CA)

5 Measurement Uncertainty

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.7 dB
---	--------

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.5 dB
---	--------

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
---	--------

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2 dB
---	--------

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Venkata Kondepudi	Temperature:	18.6~21.2°C	°C
Test Date:	2023/05/08~2023/05/26	Relative Humidity:	44.5~51.7%	%

<With Low Gain Antenna>

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

UNII-3 MIMO												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2		
11a	6Mbps	2	148	5740	22.98	21.83	46.00	41.02	16.40	16.39	0.5	Pass
11a	6Mbps	2	157	5785	27.32	26.57	43.20	42.75	16.39	16.39	0.5	Pass
11a	6Mbps	2	167	5835	25.57	20.83	43.10	37.90	16.45	16.40	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
11a	6Mbps	2	148	5740	26.79	26.47	29.64	30.00		1.38		Pass
11a	6Mbps	2	157	5785	26.81	26.92	29.88	30.00		1.38		Pass
11a	6Mbps	2	167	5835	26.73	26.35	29.55	30.00		1.38		Pass
HT20	MCS0	2	148	5740	26.45	26.38	29.43	30.00		1.38		Pass
HT20	MCS0	2	157	5785	26.25	26.48	29.38	30.00		1.38		Pass
HT20	MCS0	2	167	5835	26.55	26.24	29.41	30.00		1.38		Pass
HT40	MCS0	2	151	5755	26.20	25.99	29.11	30.00		1.38		Pass
HT40	MCS0	2	159	5795	26.55	26.84	29.71	30.00		1.38		Pass
VHT20	MCS0	2	148	5740	26.44	26.42	29.44	30.00		1.38		Pass
VHT20	MCS0	2	157	5785	26.33	26.44	29.40	30.00		1.38		Pass
VHT20	MCS0	2	167	5835	26.57	26.24	29.42	30.00		1.38		Pass
VHT40	MCS0	2	151	5755	26.15	25.99	29.08	30.00		1.38		Pass
VHT40	MCS0	2	159	5795	26.56	26.91	29.75	30.00		1.38		Pass
VHT80	MCS0	2	155	5775	23.13	23.39	26.27	30.00		1.38		Pass

TEST RESULTS DATA
Power Spectral Density

UNII-3 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
11a	6Mbps	2	149	5745	0.26	0.30	2.22		12.24	12.23	15.25	30.00		4.39		Pass
11a	6Mbps	2	157	5785	0.26	0.30	2.22		12.39	12.61	15.52	30.00		4.39		Pass
11a	6Mbps	2	165	5825	0.26	0.30	2.22		12.30	11.76	15.05	30.00		4.39		Pass

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

UNII-3 MIMO													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2		
HE20	MCS0	2	148	5740	Full	23.38	23.03	47.35	47.30	19.13	19.08	0.5	Pass
HE20	MCS0	2	157	5785	Full	23.28	25.42	46.78	47.40	19.14	19.10	0.5	Pass
HE20	MCS0	2	167	5835	Full	27.37	22.38	49.30	45.10	19.15	19.10	0.5	Pass
HE40	MCS0	2	151	5755	Full	39.16	38.86	77.90	75.41	38.07	38.07	0.5	Pass
HE40	MCS0	2	159	5795	Full	47.05	51.75	88.02	88.92	38.16	37.98	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.20	77.20	83.84	83.68	78.40	77.92	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
HE20	MCS0	2	148	5740	Full	26.75	26.78	29.78	30.00		1.38		Pass
HE20	MCS0	2	157	5785	Full	26.56	26.67	29.63	30.00		1.38		Pass
HE20	MCS0	2	167	5835	Full	26.87	26.50	29.70	30.00		1.38		Pass
HE40	MCS0	2	151	5755	Full	26.35	26.24	29.31	30.00		1.38		Pass
HE40	MCS0	2	159	5795	Full	26.66	26.90	29.79	30.00		1.38		Pass
HE80	MCS0	2	155	5775	Full	23.55	23.82	26.70	30.00		1.38		Pass

TEST RESULTS DATA
Power Spectral Density

UNII-3 MIMO																	
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
HE20	MCS0	2	148	5740	Full	0.69	0.69	2.22	11.98	11.65	14.83	30.00		1.38		Pass	
HE20	MCS0	2	157	5785	Full	0.69	0.69	2.22	11.52	11.71	14.62	30.00		1.38		Pass	
HE20	MCS0	2	167	5835	Full	0.69	0.69	2.22	12.08	11.62	14.86	30.00		1.38		Pass	
HE40	MCS0	2	151	5755	Full	0.69	0.71	2.22	8.26	8.07	11.18	30.00		1.38		Pass	
HE40	MCS0	2	159	5795	Full	0.69	0.71	2.22	8.52	8.92	11.74	30.00		1.38		Pass	
HE80	MCS0	2	155	5775	Full	0.70	0.67	2.22	2.42	2.74	5.59	30.00		1.38		Pass	

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

UNII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2		
11ax20 1/2BW	MCS0	2	147	5735	26/1	10.39	10.44	12.54	12.45	1.20	1.20	0.5	Pass
11ax20 1/2BW	MCS0	2	157	5785	26/1	11.19	11.29	14.85	19.40	1.15	1.20	0.5	Pass
11ax20 1/2BW	MCS0	2	168	5840	26/9	11.09	10.44	19.54	19.44	1.15	1.15	0.5	Pass
11ax20	MCS0	2	148	5740	26/1	19.38	19.28	24.15	24.10	2.15	2.16	0.5	Pass
11ax20	MCS0	2	157	5785	26/1	20.03	20.78	24.25	24.30	2.15	2.14	0.5	Pass
11ax20	MCS0	2	167	5835	26/9	20.68	19.38	24.80	22.05	2.20	2.20	0.5	Pass
11ax20 1/4BW	MCS0	2	146	5730	Full	8.64	8.04	14.00	13.35	4.90	4.90	0.5	Pass
11ax20 1/4BW	MCS0	2	157	5785	Full	8.04	7.09	13.60	12.85	4.90	4.90	0.5	Pass
11ax20 1/4BW	MCS0	2	169	5845	Full	7.59	6.39	13.25	12.24	4.90	4.87	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
11ax20 1/2BW	MCS0	2	147	5735	26/1	26.73	26.34	29.55	30.00		1.38		Pass
11ax20 1/2BW	MCS0	2	157	5785	26/1	26.94	26.83	29.90	30.00		1.38		Pass
11ax20 1/2BW	MCS0	2	168	5840	26/9	26.88	27.01	29.96	30.00		1.38		Pass
11ax20	MCS0	2	148	5740	26/1	26.70	26.29	29.51	30.00		1.38		Pass
11ax20	MCS0	2	157	5785	26/1	27.00	26.77	29.90	30.00		1.38		Pass
11ax20	MCS0	2	167	5835	26/9	26.95	26.44	29.71	30.00		1.38		Pass
11ax20 1/4BW	MCS0	2	146	5730	Full	26.94	26.93	29.95	30.00		1.38		Pass
11ax20 1/4BW	MCS0	2	157	5785	Full	26.90	26.96	29.94	30.00		1.38		Pass
11ax20 1/4BW	MCS0	2	169	5845	Full	26.94	26.78	29.87	30.00		1.38		Pass

TEST RESULTS DATA
Power Spectral Density

UNII-3 MIMO																	
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
11ax20 1/2BW	MCS0	2	147	5735	26/1	0.09	0.08	2.22		23.65	23.11	26.40	30.00		1.38		Pass
11ax20 1/2BW	MCS0	2	157	5785	26/1	0.09	0.08	2.22		23.98	23.78	26.89	30.00		1.38		Pass
11ax20 1/2BW	MCS0	2	168	5840	26/9	0.09	0.08	2.22		24.18	23.69	26.96	30.00		1.38		Pass
11ax20	MCS0	2	148	5740	26/1	0.12	0.12	2.22		20.57	20.09	23.34	30.00		1.38		Pass
11ax20	MCS0	2	157	5785	26/1	0.12	0.12	2.22		20.86	20.68	23.78	30.00		1.38		Pass
11ax20	MCS0	2	167	5835	26/9	0.12	0.12	2.22		21.21	20.49	23.87	30.00		1.38		Pass
11ax20 1/4BW	MCS0	2	146	5730	Full	0.69	0.69	2.22		18.32	17.92	21.13	30.00		1.38		Pass
11ax20 1/4BW	MCS0	2	157	5785	Full	0.69	0.69	2.22		17.62	18.15	20.90	30.00		1.38		Pass
11ax20 1/4BW	MCS0	2	169	5845	Full	0.69	0.69	2.22		17.71	17.73	20.73	30.00		1.38		Pass

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

UNII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2		
11ax20 1/2BW	MCS0	2	147	5735	Full	11.74	11.19	24.00	23.19	9.70	9.70	0.5	Pass
11ax20 1/2BW	MCS0	2	157	5785	Full	11.94	12.04	23.70	23.95	9.75	9.75	0.5	Pass
11ax20 1/2BW	MCS0	2	168	5840	Full	13.64	12.09	25.80	23.05	9.70	9.70	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
11ax20 1/2BW	MCS0	2	147	5735	Full	26.92	26.79	29.87	30.00		1.38		Pass
11ax20 1/2BW	MCS0	2	157	5785	Full	26.77	26.88	29.84	30.00		1.38		Pass
11ax20 1/2BW	MCS0	2	168	5840	Full	26.90	26.90	29.91	30.00		1.38		Pass

TEST RESULTS DATA
Power Spectral Density

UNII-3 MIMO																	
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
11ax20 1/2BW	MCS0	2	147	5735	Full	0.75	0.67	2.22		15.30	14.98	18.16	30.00		1.38		Pass
11ax20 1/2BW	MCS0	2	157	5785	Full	0.75	0.67	2.22		14.98	14.99	18.00	30.00		1.38		Pass
11ax20 1/2BW	MCS0	2	168	5840	Full	0.75	0.67	2.22		15.45	15.09	18.29	30.00		1.38		Pass

<With High Gain Antenna>

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

UNII-3 MIMO												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2		
11a	6Mbps	2	148	5740	21.98	20.23	40.75	40.70	16.44	16.40	0.5	Pass
11a	6Mbps	2	157	5785	21.28	20.38	38.60	40.20	16.39	16.40	0.5	Pass
11a	6Mbps	2	167	5835	23.28	20.80	42.23	39.88	16.39	16.40	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
11a	6Mbps	2	148	5740	26.28	26.06	29.18	29.27		6.73		Pass
11a	6Mbps	2	157	5785	26.11	26.14	29.14	29.27		6.73		Pass
11a	6Mbps	2	167	5835	26.35	26.03	29.20	29.27		6.73		Pass
HT20	MCS0	2	148	5740	25.56	25.57	28.58	29.27		6.73		Pass
HT20	MCS0	2	157	5785	25.35	25.71	28.54	29.27		6.73		Pass
HT20	MCS0	2	167	5835	25.58	25.42	28.51	29.27		6.73		Pass
HT40	MCS0	2	151	5755	26.08	26.08	29.09	29.27		6.73		Pass
HT40	MCS0	2	159	5795	25.63	25.96	28.81	29.27		6.73		Pass
VHT20	MCS0	2	148	5740	25.55	25.61	28.59	29.27		6.73		Pass
VHT20	MCS0	2	157	5785	25.48	25.59	28.55	29.27		6.73		Pass
VHT20	MCS0	2	167	5835	25.65	25.43	28.55	29.27		6.73		Pass
VHT40	MCS0	2	151	5755	26.02	26.05	29.05	29.27		6.73		Pass
VHT40	MCS0	2	159	5795	25.57	25.79	28.69	29.27		6.73		Pass
VHT80	MCS0	2	155	5775	21.55	21.94	24.76	29.27		6.73		Pass

TEST RESULTS DATA
Power Spectral Density

UNII-3 MIMO																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
11a	6Mbps	2	148	5740	0.29	0.27	2.22		11.75	11.54	14.66	26.29		9.71		Pass
11a	6Mbps	2	157	5785	0.29	0.27	2.22		11.43	11.42	14.44	26.29		9.71		Pass
11a	6Mbps	2	167	5835	0.29	0.27	2.22		11.82	11.46	14.65	26.29		9.71		Pass

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

UNII-3 MIMO													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2		
HE20	MCS0	2	148	5740	Full	19.73	19.93	39.55	38.75	19.14	19.10	0.5	Pass
HE20	MCS0	2	157	5785	Full	19.73	22.23	40.10	43.10	19.10	19.10	0.5	Pass
HE20	MCS0	2	167	5835	Full	20.38	19.83	44.20	38.28	19.15	19.10	0.5	Pass
HE40	MCS0	2	151	5755	Full	39.46	38.96	79.21	76.10	38.07	37.89	0.5	Pass
HE40	MCS0	2	159	5795	Full	38.86	38.96	77.30	78.21	38.16	37.89	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.32	77.08	82.84	83.04	77.92	78.08	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
HE20	MCS0	2	148	5740	Full	25.95	25.98	28.98	29.27		6.73		Pass
HE20	MCS0	2	157	5785	Full	25.88	26.09	29.00	29.27		6.73		Pass
HE20	MCS0	2	167	5835	Full	26.16	25.85	29.02	29.27		6.73		Pass
HE40	MCS0	2	151	5755	Full	26.27	26.16	29.23	29.27		6.73		Pass
HE40	MCS0	2	159	5795	Full	25.76	25.97	28.88	29.27		6.73		Pass
HE80	MCS0	2	155	5775	Full	21.65	22.01	24.84	29.27		6.73		Pass

TEST RESULTS DATA
Power Spectral Density

UNII-3 MIMO																	
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
HE20	MCS0	2	148	5740	Full	0.67	0.67	2.22		10.70	10.65	13.69	29.27		6.73		Pass
HE20	MCS0	2	157	5785	Full	0.67	0.67	2.22		10.54	10.77	13.67	29.27		6.73		Pass
HE20	MCS0	2	167	5835	Full	0.67	0.67	2.22		11.00	10.68	13.86	29.27		6.73		Pass
HE40	MCS0	2	151	5755	Full	0.70	0.67	2.22		7.90	7.86	10.89	29.27		6.73		Pass
HE40	MCS0	2	159	5795	Full	0.70	0.67	2.22		7.41	7.74	10.59	29.27		6.73		Pass
HE80	MCS0	2	155	5775	Full	0.69	0.69	2.22		0.67	0.99	3.85	29.27		6.73		Pass

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

UNII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2		
11ax20 1/2BW	MCS0	2	147	5735	26/1	10.09	10.49	12.54	12.45	1.18	1.17	0.5	Pass
11ax20 1/2BW	MCS0	2	157	5785	26/1	10.24	10.69	12.54	12.49	1.20	1.20	0.5	Pass
11ax20 1/2BW	MCS0	2	168	5840	26/9	9.99	9.94	11.69	11.29	1.12	1.15	0.5	Pass
11ax20	MCS0	2	148	5740	26/1	19.43	19.18	24.25	24.10	2.15	2.17	0.5	Pass
11ax20	MCS0	2	157	5785	26/1	19.43	19.33	24.20	24.15	2.20	2.18	0.5	Pass
11ax20	MCS0	2	167	5835	26/9	19.28	19.03	22.64	21.85	2.18	2.13	0.5	Pass
11ax20 1/4BW	MCS0	2	146	5730	Full	5.29	5.24	9.75	9.09	4.90	4.90	0.5	Pass
11ax20 1/4BW	MCS0	2	157	5785	Full	5.24	5.34	10.80	9.70	4.90	4.90	0.5	Pass
11ax20 1/4BW	MCS0	2	169	5845	Full	5.24	5.34	10.10	10.95	4.87	4.87	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
11ax20 1/2BW	MCS0	2	147	5735	26/1	25.97	25.69	28.84	29.27		6.73		Pass
11ax20 1/2BW	MCS0	2	157	5785	26/1	26.37	25.94	29.17	29.27		6.73		Pass
11ax20 1/2BW	MCS0	2	168	5840	26/9	26.17	26.12	29.16	29.27		6.73		Pass
11ax20	MCS0	2	148	5740	26/1	26.35	26.08	29.23	29.27		6.73		Pass
11ax20	MCS0	2	157	5785	26/1	26.33	26.10	29.23	29.27		6.73		Pass
11ax20	MCS0	2	167	5835	26/9	26.15	25.69	28.94	29.27		6.73		Pass
11ax20 1/4BW	MCS0	2	146	5730	Full	26.19	26.05	29.13	29.27		6.73		Pass
11ax20 1/4BW	MCS0	2	157	5785	Full	25.99	26.16	29.09	29.27		6.73		Pass
11ax20 1/4BW	MCS0	2	169	5845	Full	26.14	26.24	29.20	29.27		6.73		Pass

TEST RESULTS DATA
Power Spectral Density

UNII-3 MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
11ax20 1/2BW	MCS0	2	147	5735	26/1	0.10	0.11	2.22	22.82	22.63	25.74	29.27	6.73	Pass			
11ax20 1/2BW	MCS0	2	157	5785	26/1	0.10	0.11	2.22	23.03	23.01	26.03	29.27	6.73	Pass			
11ax20 1/2BW	MCS0	2	168	5840	26/9	0.10	0.11	2.22	23.04	22.97	26.01	29.27	6.73	Pass			
11ax20	MCS0	2	148	5740	26/1	0.10	0.10	2.22	20.40	19.82	23.13	29.27	6.73	Pass			
11ax20	MCS0	2	157	5785	26/1	0.10	0.10	2.22	20.04	19.85	22.96	29.27	6.73	Pass			
11ax20	MCS0	2	167	5835	26/9	0.10	0.10	2.22	19.99	19.46	22.74	29.27	6.73	Pass			
11ax20 1/4BW	MCS0	2	146	5730	Full	0.62	0.62	2.22	17.57	17.48	20.53	29.27	6.73	Pass			
11ax20 1/4BW	MCS0	2	157	5785	Full	0.62	0.62	2.22	17.27	17.45	20.37	29.27	6.73	Pass			
11ax20 1/4BW	MCS0	2	169	5845	Full	0.62	0.62	2.22	17.61	17.79	20.71	29.27	6.73	Pass			

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

UNII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2		
11ax20 1/2BW	MCS0	2	147	5735	Full	10.04	10.04	19.19	18.45	9.70	9.70	0.5	Pass
11ax20 1/2BW	MCS0	2	157	5785	Full	10.09	10.19	19.55	18.70	9.70	9.70	0.5	Pass
11ax20 1/2BW	MCS0	2	168	5840	Full	9.94	9.99	18.00	16.85	9.70	9.69	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
11ax20 1/2BW	MCS0	2	147	5735	Full	26.27	26.19	29.24	29.27		6.73		Pass
11ax20 1/2BW	MCS0	2	157	5785	Full	26.25	26.19	29.23	29.27		6.73		Pass
11ax20 1/2BW	MCS0	2	168	5840	Full	26.19	25.86	29.04	29.27		6.73		Pass

TEST RESULTS DATA
Power Spectral Density

UNII-3 MIMO																	
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
11ax20 1/2BW	MCS0	2	147	5735	Full	0.63	0.69	2.22		14.48	14.40	17.45	29.27		6.73		Pass
11ax20 1/2BW	MCS0	2	157	5785	Full	0.63	0.69	2.22		14.42	14.36	17.40	29.27		6.73		Pass
11ax20 1/2BW	MCS0	2	168	5840	Full	0.63	0.69	2.22		14.82	14.68	17.76	29.27		6.73		Pass



Appendix B. AC Conducted Emission Test Results

Test Engineer :	Abi Lin	Temperature :	21~23°C
		Relative Humidity :	37~40%

EUT Information

Test Site Location :

CO01-CA

Power:

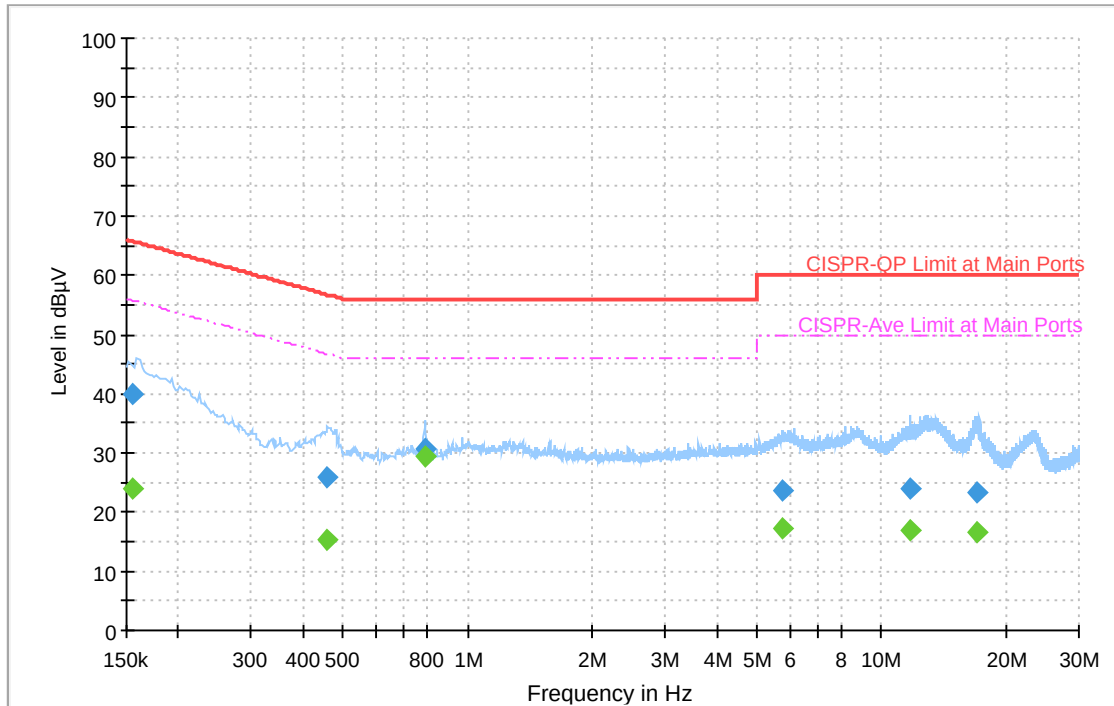
120Vac/60Hz

Mode

2

Line

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154788	39.85	---	65.74	25.89	L1	OFF	20.4
0.154788	---	24.05	55.74	31.69	L1	OFF	20.4
0.457665	25.78	---	56.74	30.95	L1	OFF	20.3
0.457665	---	15.32	46.74	31.41	L1	OFF	20.3
0.789567	30.75	---	56.00	25.25	L1	OFF	20.4
0.789567	---	29.49	46.00	16.51	L1	OFF	20.4
5.765901	23.56	---	60.00	36.44	L1	OFF	20.5
5.765901	---	17.20	50.00	32.80	L1	OFF	20.5
11.783004	24.04	---	60.00	35.96	L1	OFF	20.5
11.783004	---	17.06	50.00	32.94	L1	OFF	20.5
16.949472	23.17	---	60.00	36.83	L1	OFF	20.6
16.949472	---	16.62	50.00	33.38	L1	OFF	20.6

EUT Information

Test Site Location :

CO01-CA

Power:

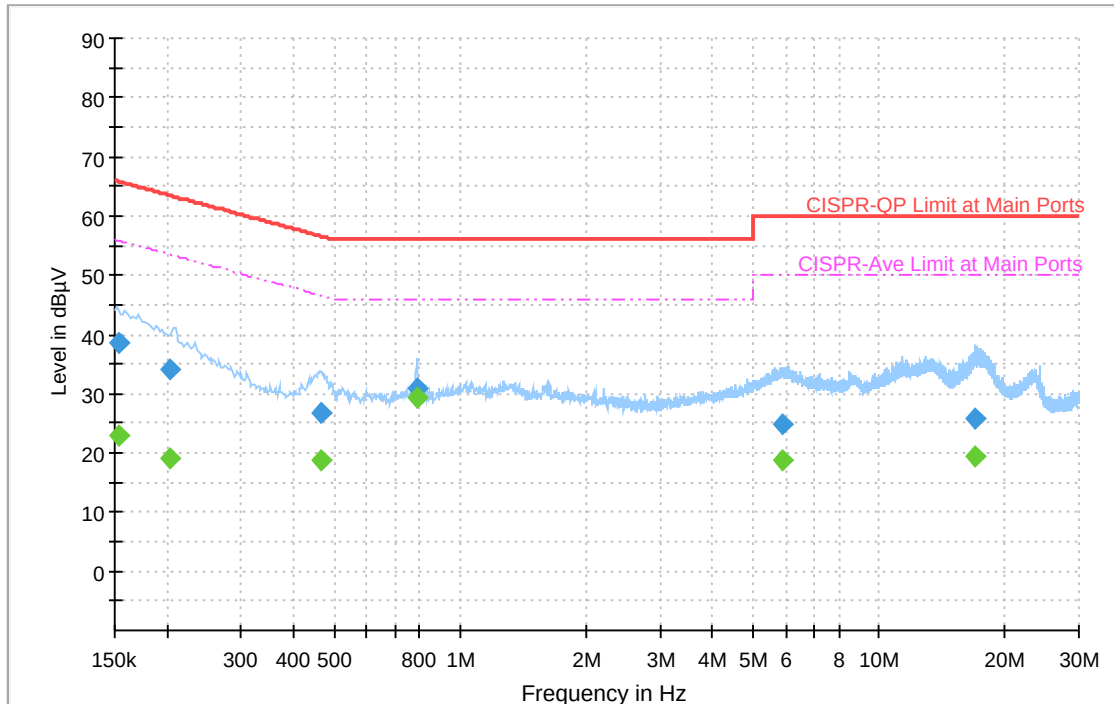
120Vac/60Hz

Mode

2

Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.153767	38.60	---	65.79	27.19	N	OFF	20.4
0.153767	---	22.84	55.79	32.95	N	OFF	20.4
0.203613	33.96	---	63.46	29.50	N	OFF	20.4
0.203613	---	19.21	53.46	34.25	N	OFF	20.4
0.463524	26.76	---	56.63	29.87	N	OFF	20.4
0.463524	---	18.73	46.63	27.90	N	OFF	20.4
0.787902	30.81	---	56.00	25.19	N	OFF	20.4
0.787902	---	29.39	46.00	16.61	N	OFF	20.4
5.874306	24.86	---	60.00	35.14	N	OFF	20.5
5.874306	---	18.72	50.00	31.28	N	OFF	20.5
16.942533	25.79	---	60.00	34.21	N	OFF	20.6
16.942533	---	19.30	50.00	30.70	N	OFF	20.6



Appendix C. Radiated Spurious Emission

Test Engineer :	Thinh Hoang , Fu Chen , Jin Peng	Temperature :	20.1~22.7°C
		Relative Humidity :	51.4~63.4%

<With Low Gain Antenna>

UNII-3 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 148 5740MHz		5649.6	55.72	-12.48	68.2	40.43	33.25	12.44	30.4	100	345	P	H
		5699.4	71.69	-33.07	104.76	56.15	33.45	12.51	30.42	100	345	P	H
		5720	93.56	-17.24	110.8	77.85	33.59	12.54	30.42	100	345	P	H
		5724.8	97.94	-23.8	121.74	82.2	33.62	12.54	30.42	100	345	P	H
	*	5740	113.47	-	-	97.61	33.72	12.56	30.42	100	345	P	H
	*	5740	108.26	-	-	92.4	33.72	12.56	30.42	100	345	A	H
													H
													H
		5649.2	61.48	-6.72	68.2	46.19	33.25	12.44	30.4	300	75	P	V
		5693.8	78.96	-21.67	100.63	63.45	33.43	12.5	30.42	300	75	P	V
		5719.6	101.57	-9.12	110.69	85.87	33.58	12.54	30.42	300	75	P	V
		5723.8	104.82	-14.64	119.46	89.09	33.61	12.54	30.42	300	75	P	V
	*	5740	123.42	-	-	107.56	33.72	12.56	30.42	300	75	P	V
	*	5740	116.43	-	-	100.57	33.72	12.56	30.42	300	75	A	V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		5635.8	53.78	-14.42	68.2	38.5	33.24	12.43	30.39	100	89	P	H
		5697.6	55.1	-48.33	103.43	39.57	33.44	12.51	30.42	100	89	P	H
		5719.4	58.49	-52.14	110.63	42.79	33.58	12.54	30.42	100	89	P	H
		5724.8	61.35	-60.39	121.74	45.61	33.62	12.54	30.42	100	89	P	H
	*	5785	112.27	-	-	96.03	34.05	12.62	30.43	100	89	P	H
	*	5785	106.09	-	-	89.85	34.05	12.62	30.43	100	89	A	H
		5850	59.04	-63.16	122.2	42.59	34.23	12.69	30.47	100	89	P	H
		5866.4	56.91	-50.7	107.61	40.45	34.23	12.71	30.48	100	89	P	H
		5880.8	56.69	-44.2	100.89	40.21	34.24	12.73	30.49	100	89	P	H
		5935.2	56.18	-12.02	68.2	39.69	34.21	12.79	30.51	100	89	P	H
													H
													H
		5633.2	56.23	-11.97	68.2	40.96	33.24	12.42	30.39	300	79	P	V
		5699.6	58.25	-46.66	104.91	42.71	33.45	12.51	30.42	300	79	P	V
		5719.6	64.05	-46.64	110.69	48.35	33.58	12.54	30.42	300	79	P	V
		5724.8	69.55	-52.19	121.74	53.81	33.62	12.54	30.42	300	79	P	V
	*	5785	122.41	-	-	106.17	34.05	12.62	30.43	300	79	P	V
	*	5785	116.16	-	-	99.92	34.05	12.62	30.43	300	79	A	V
		5853	65.44	-49.92	115.36	48.98	34.23	12.7	30.47	300	79	P	V
		5858.6	62.18	-47.61	109.79	45.73	34.23	12.7	30.48	300	79	P	V
		5881.2	57.04	-43.55	100.59	40.56	34.24	12.73	30.49	300	79	P	V
		5939	56.5	-11.7	68.2	40.01	34.21	12.79	30.51	300	79	P	V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 167 5835MHz	*	5835	115.57	-	-	99.14	34.21	12.68	30.46	360	360	P	H
	*	5835	108.65	-	-	92.22	34.21	12.68	30.46	360	360	A	H
		5851.2	94.68	-24.78	119.46	78.22	34.23	12.7	30.47	360	360	P	H
		5855.2	89.45	-21.29	110.74	72.99	34.23	12.7	30.47	360	360	P	H
		5875	70.25	-34.95	105.2	53.78	34.24	12.72	30.49	360	360	P	H
		5942	55.36	-12.84	68.2	38.86	34.21	12.8	30.51	360	360	P	H
													H
													H
	*	5835	123.56	-	-	107.13	34.21	12.68	30.46	214	6	P	V
	*	5835	116.63	-	-	100.2	34.21	12.68	30.46	214	6	A	V
		5851.2	103.48	-15.98	119.46	87.02	34.23	12.7	30.47	214	6	P	V
		5856	96.78	-13.74	110.52	80.32	34.23	12.7	30.47	214	6	P	V
		5876	81.04	-23.42	104.46	64.57	34.24	12.72	30.49	214	6	P	V
		5943.6	56.24	-11.96	68.2	39.74	34.21	12.8	30.51	214	6	P	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 148 5740MHz		11480	47.43	-26.57	74	49.97	39.06	18.08	59.68	300	281	P	H
		11480	38.25	-15.75	54	40.79	39.06	18.08	59.68	300	281	A	H
		17220	44.99	-23.21	68.2	43.79	37.58	22.6	58.98	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11480	50.34	-23.66	74	52.88	39.06	18.08	59.68	400	308	P	V
		11480	39.42	-14.58	54	41.96	39.06	18.08	59.68	400	308	A	V
		17220	49.16	-19.04	68.2	47.96	37.58	22.6	58.98	302	54	P	V
		17220	39.39	-14.61	54	38.19	37.58	22.6	58.98	302	54	A	V
													V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		11570	47.45	-26.55	74	49.87	38.75	18.14	59.31	-	-	P	H
		17355	44.78	-23.42	68.2	42.18	38.05	22.69	58.14	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	46.73	-27.27	74	49.15	38.75	18.14	59.31	-	-	P	V
		17355	44.97	-23.23	68.2	42.37	38.05	22.69	58.14	-	-	P	V
													V
													V
													V
													V
													V
													V
													V

[illegible]



UNII-3 5725~5850MHz

WIFI 802.11ax HE05 (Band Edge @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE05 CH 146 5730MHz		5608.8	54.44	-13.76	68.2	39.2	33.23	12.39	30.38	100	106	P	H
		5698	63.98	-39.75	103.73	48.45	33.44	12.51	30.42	100	106	P	H
		5719.8	89.53	-21.21	110.74	73.83	33.58	12.54	30.42	100	106	P	H
		5724.4	100.76	-20.07	120.83	85.02	33.62	12.54	30.42	100	106	P	H
	*	5730	116.5	-	-	100.72	33.65	12.55	30.42	100	106	P	H
	*	5730	110.89	-	-	95.11	33.65	12.55	30.42	100	106	A	H
													H
													H
		5617.4	54.93	-13.27	68.2	39.68	33.24	12.4	30.39	252	76	P	V
		5700	71.47	-33.73	105.2	55.93	33.45	12.51	30.42	252	76	P	V
		5719.6	97.57	-13.12	110.69	81.87	33.58	12.54	30.42	252	76	P	V
		5725	110.81	-11.39	122.2	95.07	33.62	12.54	30.42	252	76	P	V
	*	5730	126.09	-	-	110.31	33.65	12.55	30.42	252	76	P	V
	*	5730	118.94	-	-	103.16	33.65	12.55	30.42	252	76	A	V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE05 CH 157 5785MHz		5633	53.65	-14.55	68.2	38.38	33.24	12.42	30.39	372	0	P	H
		5688.6	54.14	-42.65	96.79	38.66	33.4	12.5	30.42	372	0	P	H
		5714.6	54.65	-54.64	109.29	38.99	33.55	12.53	30.42	372	0	P	H
		5725	53.91	-68.29	122.2	38.17	33.62	12.54	30.42	372	0	P	H
	*	5785	118.21	-	-	101.97	34.05	12.62	30.43	372	0	P	H
	*	5785	111.57	-	-	95.33	34.05	12.62	30.43	372	0	A	H
		5853.2	54.59	-60.31	114.9	38.13	34.23	12.7	30.47	372	0	P	H
		5872	57.23	-48.81	106.04	40.76	34.23	12.72	30.48	372	0	P	H
		5895.8	56.2	-33.57	89.77	39.71	34.24	12.75	30.5	372	0	P	H
		5939.4	55.08	-13.12	68.2	38.59	34.21	12.79	30.51	372	0	P	H
													H
													H
		5636.2	54.96	-13.24	68.2	39.68	33.24	12.43	30.39	228	0	P	V
		5671.2	56.24	-27.69	83.93	40.85	33.33	12.47	30.41	228	0	P	V
		5718.2	54.3	-56	110.3	38.62	33.57	12.53	30.42	228	0	P	V
		5723.2	55.2	-62.9	118.1	39.47	33.61	12.54	30.42	228	0	P	V
	*	5785	126.28	-	-	110.04	34.05	12.62	30.43	228	0	P	V
	*	5785	119.58	-	-	103.34	34.05	12.62	30.43	228	0	A	V
		5853.6	55.24	-58.75	113.99	38.78	34.23	12.7	30.47	228	0	P	V
		5859.6	56.48	-53.03	109.51	40.02	34.23	12.71	30.48	228	0	P	V
		5903.6	56.74	-27.26	84	40.25	34.24	12.75	30.5	228	0	P	V
		5934	56.94	-11.26	68.2	40.45	34.21	12.79	30.51	228	0	P	V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE05 CH 169 5845MHz	*	5845	120.18	-	-	103.74	34.22	12.69	30.47	360	360	P	H
	*	5845	113.48	-	-	97.04	34.22	12.69	30.47	360	360	A	H
		5850.4	100.06	-21.23	121.29	83.6	34.23	12.7	30.47	360	360	P	H
		5855	80.67	-30.13	110.8	64.21	34.23	12.7	30.47	360	360	P	H
		5903.4	56.7	-27.45	84.15	40.21	34.24	12.75	30.5	360	360	P	H
		5935.6	56.81	-11.39	68.2	40.32	34.21	12.79	30.51	360	360	P	H
													H
													H
	*	5845	128.08	-	-	111.64	34.22	12.69	30.47	223	0	P	V
	*	5845	120.5	-	-	104.06	34.22	12.69	30.47	223	0	A	V
		5850	111.25	-10.95	122.2	94.8	34.23	12.69	30.47	223	0	P	V
		5855.2	89.46	-21.28	110.74	73	34.23	12.7	30.47	223	0	P	V
		5875	64.17	-41.03	105.2	47.7	34.24	12.72	30.49	223	0	P	V
		5939.2	56.72	-11.48	68.2	40.23	34.21	12.79	30.51	223	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz

WIFI 802.11ax HE05 (Harmonic @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE5 CH 146 5730MHz		11460	52.3	-21.7	74	54.9	39.07	18.06	59.73	300	73	P	H
		11460	42.2	-11.8	54	44.8	39.07	18.06	59.73	300	73	A	H
		17190	48.21	-19.99	68.2	47.4	37.44	22.59	59.22	202	178	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11460	53.83	-20.17	74	56.43	39.07	18.06	59.73	400	306	P	V
		11460	44.26	-9.74	54	46.86	39.07	18.06	59.73	400	306	A	V
		17190	52.28	-15.92	68.2	51.47	37.44	22.59	59.22	300	53	P	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE5 CH 157 5780MHz		11570	54.85	-19.15	74	57.27	38.75	18.14	59.31	344	68	P	H
		11570	45.25	-8.75	54	47.67	38.75	18.14	59.31	344	68	A	H
		17355	43.73	-24.47	68.2	41.13	38.05	22.69	58.14	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	55.44	-18.56	74	57.86	38.75	18.14	59.31	294	282	P	V
		11570	45.78	-8.22	54	48.2	38.75	18.14	59.31	294	282	A	V
		17355	44.52	-23.68	68.2	41.92	38.05	22.69	58.14	-	-	P	V
													V
													V
													V
													V
													V
													V
													V

[illegible]



UNII-3 5725~5850MHz

WIFI 802.11ax HE10 (Band Edge @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 CH 147 5735MHz		5610.6	54.85	-13.35	68.2	39.61	33.23	12.39	30.38	100	106	P	H
		5700	68.29	-36.91	105.2	52.75	33.45	12.51	30.42	100	106	P	H
		5720	89.18	-21.62	110.8	73.47	33.59	12.54	30.42	100	106	P	H
		5724.6	97.72	-23.57	121.29	81.98	33.62	12.54	30.42	100	106	P	H
	*	5735	116.07	-	-	100.24	33.69	12.56	30.42	100	106	P	H
	*	5735	108.36	-	-	92.53	33.69	12.56	30.42	100	106	A	H
													H
													H
													H
													H
													H
													H
		5640.2	58.25	-9.95	68.2	42.97	33.25	12.43	30.4	228	0	P	V
		5700	75.05	-30.15	105.2	59.51	33.45	12.51	30.42	228	0	P	V
		5719.2	98.03	-12.55	110.58	82.34	33.58	12.53	30.42	228	0	P	V
		5725	106.65	-15.55	122.2	90.91	33.62	12.54	30.42	228	0	P	V
	*	5735	124.69	-	-	108.86	33.69	12.56	30.42	228	0	P	V
	*	5735	117.14	-	-	101.31	33.69	12.56	30.42	228	0	A	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 CH 157 5785MHz		5628.6	54.5	-13.7	68.2	39.23	33.24	12.42	30.39	386	0	P	H
		5665	54.88	-24.45	79.33	39.52	33.31	12.46	30.41	386	0	P	H
		5717.6	53.71	-56.42	110.13	38.03	33.57	12.53	30.42	386	0	P	H
		5721.4	53.11	-60.88	113.99	37.39	33.6	12.54	30.42	386	0	P	H
	*	5785	116.25	-	-	100.01	34.05	12.62	30.43	386	0	P	H
	*	5785	108.71	-	-	92.47	34.05	12.62	30.43	386	0	A	H
		5853	56.18	-59.18	115.36	39.72	34.23	12.7	30.47	386	0	P	H
		5863.2	54.89	-53.61	108.5	38.43	34.23	12.71	30.48	386	0	P	H
		5918.2	55.37	-17.84	73.21	38.87	34.23	12.77	30.5	386	0	P	H
		5944.2	55.76	-12.44	68.2	39.27	34.2	12.8	30.51	386	0	P	H
													H
													H
		5646.4	55.81	-12.39	68.2	40.52	33.25	12.44	30.4	239	0	P	V
		5665.6	55.72	-24.06	79.78	40.35	33.31	12.47	30.41	239	0	P	V
		5718.6	55.68	-54.73	110.41	39.99	33.58	12.53	30.42	239	0	P	V
		5723.6	57.15	-61.86	119.01	41.42	33.61	12.54	30.42	239	0	P	V
	*	5785	125.4	-	-	109.16	34.05	12.62	30.43	239	0	P	V
	*	5785	117.51	-	-	101.27	34.05	12.62	30.43	239	0	A	V
		5850.6	58.29	-62.54	120.83	41.83	34.23	12.7	30.47	239	0	P	V
		5868.8	55.39	-51.54	106.93	38.92	34.23	12.72	30.48	239	0	P	V
		5912.2	56.43	-21.21	77.64	39.94	34.23	12.76	30.5	239	0	P	V
		5948.6	56.7	-11.5	68.2	40.21	34.2	12.8	30.51	239	0	P	V
													V
													V

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 CH 168 5840MHz	*	5840	115.25	-	-	98.81	34.22	12.68	30.46	356	360	P	H
	*	5840	107.41	-	-	90.97	34.22	12.68	30.46	356	360	A	H
		5850.2	104.47	-17.27	121.74	88.01	34.23	12.7	30.47	356	360	P	H
		5855.6	96.15	-14.48	110.63	79.69	34.23	12.7	30.47	356	360	P	H
		5875	74.23	-30.97	105.2	57.76	34.24	12.72	30.49	356	360	P	H
		5936.8	57.25	-10.95	68.2	40.76	34.21	12.79	30.51	356	360	P	H
													H
													H
													H
													H
													H
													H
	*	5840	123.3	-	-	106.86	34.22	12.68	30.46	232	79	P	V
	*	5840	115.75	-	-	99.31	34.22	12.68	30.46	232	79	A	V
		5850	112.74	-9.46	122.2	96.29	34.23	12.69	30.47	232	79	P	V
		5855.6	103.27	-7.36	110.63	86.81	34.23	12.7	30.47	232	79	P	V
		5875.8	83.77	-20.84	104.61	67.3	34.24	12.72	30.49	232	79	P	V
		5934	61.89	-6.31	68.2	45.4	34.21	12.79	30.51	232	79	P	V
													V
													V
													V
													V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz

WIFI 802.11ax HE10 (Harmonic @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 CH 147 5735MHz		11470	45.29	-28.71	74	47.86	39.06	18.07	59.7	-	-	P	H
		17205	44.23	-23.97	68.2	43.2	37.52	22.6	59.09	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11470	49.88	-24.12	74	52.45	39.06	18.07	59.7	102	298	P	V
		11470	39.9	-14.1	54	42.47	39.06	18.07	59.7	102	298	A	V
		17205	47.12	-21.08	68.2	46.09	37.52	22.6	59.09	115	102	P	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 CH 147 5735MHz		11570	50.59	-23.41	74	53.01	38.75	18.14	59.31	275	300	P	H
		11570	40.53	-13.47	54	42.95	38.75	18.14	59.31	275	300	A	H
		17355	43.02	-25.18	68.2	40.42	38.05	22.69	58.14	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	51.25	-22.75	74	53.67	38.75	18.14	59.31	278	299	P	V
		11570	41.33	-12.67	54	43.75	38.75	18.14	59.31	278	299	A	V
		17355	43.07	-25.13	68.2	40.47	38.05	22.69	58.14	-	-	P	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 CH 168 5840MHz		11680	43.16	-30.84	74	45.75	38.42	18.22	59.23	-	-	P	H
		17520	44.67	-23.53	68.2	39.44	38.63	22.82	56.22	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	



UNII-3 5725~5850MHz

WIFI 802.11ax HE10 Single RU (Band Edge @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 Single RU CH 147 5735MHz		5604	55.03	-13.17	68.2	39.79	33.23	12.39	30.38	300	314	P	H
		5697	58.31	-44.68	102.99	42.78	33.44	12.51	30.42	300	314	P	H
		5717.6	80.3	-29.83	110.13	64.62	33.57	12.53	30.42	300	314	P	H
		5724.2	98.14	-22.24	120.38	82.41	33.61	12.54	30.42	300	314	P	H
	*	5730.5	120.76	-	-	104.97	33.66	12.55	30.42	300	314	P	H
	*	5730.5	117.73	-	-	101.94	33.66	12.55	30.42	300	314	A	H
													H
													H
		5617.6	55.79	-12.41	68.2	40.54	33.24	12.4	30.39	200	359	P	V
		5681.2	65.28	-26.05	91.33	49.83	33.37	12.49	30.41	200	359	P	V
		5718.6	85.85	-24.56	110.41	70.16	33.58	12.53	30.42	200	359	P	V
		5724.4	105.72	-15.11	120.83	89.98	33.62	12.54	30.42	200	359	P	V
	*	5730.5	120.89	-	-	105.1	33.66	12.55	30.42	200	359	P	V
	*	5730.5	114.23	-	-	98.44	33.66	12.55	30.42	200	359	A	V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 Single RU CH 157 5785MHz		5645.6	54.89	-13.31	68.2	39.6	33.25	12.44	30.4	371	0	P	H
		5654.6	54.03	-17.59	71.62	38.71	33.27	12.45	30.4	371	0	P	H
		5712.6	54.12	-54.61	108.73	38.47	33.54	12.53	30.42	371	0	P	H
		5720.4	54.22	-57.49	111.71	38.51	33.59	12.54	30.42	371	0	P	H
	*	5780.5	121.75	-	-	105.55	34.02	12.61	30.43	371	0	P	H
	*	5780.5	118.86	-	-	102.66	34.02	12.61	30.43	371	0	A	H
		5851.6	55.41	-63.14	118.55	38.95	34.23	12.7	30.47	371	0	P	H
		5858	55.68	-54.28	109.96	39.22	34.23	12.7	30.47	371	0	P	H
		5885.2	55.24	-42.39	97.63	38.76	34.24	12.73	30.49	371	0	P	H
		5947.8	55.18	-13.02	68.2	38.69	34.2	12.8	30.51	371	0	P	H
													H
													H
		5650	56.11	-12.09	68.2	40.82	33.25	12.44	30.4	240	9	P	V
		5650.2	56.13	-12.22	68.35	40.83	33.25	12.45	30.4	240	9	P	V
		5712.6	56	-52.73	108.73	40.35	33.54	12.53	30.42	240	9	P	V
		5725	55.59	-66.61	122.2	39.85	33.62	12.54	30.42	240	9	P	V
	*	5780.5	127.67	-	-	111.47	34.02	12.61	30.43	240	9	P	V
	*	5780.5	124.48	-	-	108.28	34.02	12.61	30.43	240	9	A	V
		5854.2	54.85	-57.77	112.62	38.39	34.23	12.7	30.47	240	9	P	V
		5865.8	55.79	-51.98	107.77	39.33	34.23	12.71	30.48	240	9	P	V
		5918.6	56.28	-16.64	72.92	39.78	34.23	12.77	30.5	240	9	P	V
		5937.2	55.63	-12.57	68.2	39.14	34.21	12.79	30.51	240	9	P	V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 Single RU CH 168 5840MHz	*	5845.5	124.81	-	-	108.37	34.22	12.69	30.47	281	322	P	H
	*	5845.5	120.44	-	-	104	34.22	12.69	30.47	281	322	A	H
		5850.8	87.77	-32.61	120.38	71.31	34.23	12.7	30.47	281	322	P	H
		5865.4	71.9	-35.99	107.89	55.44	34.23	12.71	30.48	281	322	P	H
		5887	57.26	-39.03	96.29	40.77	34.24	12.74	30.49	281	322	P	H
		5945.6	56.23	-11.97	68.2	39.74	34.2	12.8	30.51	281	322	P	H
													H
													H
	*	5845.5	128.82	-	-	112.38	34.22	12.69	30.47	234	356	P	V
	*	5845.5	125.54	-	-	109.1	34.22	12.69	30.47	234	356	A	V
		5850	100.02	-22.18	122.2	83.57	34.23	12.69	30.47	234	356	P	V
		5855.2	80.01	-30.73	110.74	63.55	34.23	12.7	30.47	234	356	P	V
		5881	65.18	-35.56	100.74	48.7	34.24	12.73	30.49	234	356	P	V
		5940	57.05	-11.15	68.2	40.56	34.21	12.79	30.51	234	356	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz

WIFI 802.11ax HE10 Single RU (Harmonic @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 Single RU CH 147 5735MHz		11461	53.64	-20.36	74	56.24	39.07	18.06	59.73	352	4	P	H
		11461	47.6	-6.4	54	50.2	39.07	18.06	59.73	352	4	A	H
		17191.5	51.02	-17.18	68.2	50.19	37.45	22.59	59.21	309	316	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11461	54.15	-19.85	74	56.75	39.07	18.06	59.73	400	288	P	V
		11461	47.72	-6.28	54	50.32	39.07	18.06	59.73	400	288	A	V
		17191.5	56.02	-12.18	68.2	55.19	37.45	22.59	59.21	303	53	P	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 Single RU CH 157 5785MHz		11561	57.03	-16.97	74	59.44	38.81	18.14	59.36	275	299	P	H
		11561	50.88	-3.12	54	53.29	38.81	18.14	59.36	275	299	A	H
		17341.5	50.65	-17.55	68.2	48.16	38.03	22.67	58.21	200	313	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11561	57.49	-16.51	74	59.9	38.81	18.14	59.36	277	300	P	V
		11561	51.15	-2.85	54	53.56	38.81	18.14	59.36	277	300	A	V
		17341.5	54.17	-14.03	68.2	51.68	38.03	22.67	58.21	274	43	P	V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 Single RU CH 168 5840MHz		11691	51.63	-22.37	74	54.23	38.45	18.23	59.28	301	63	P	H
		11691	44.32	-9.68	54	46.92	38.45	18.23	59.28	301	63	A	H
		17536.5	46.1	-22.1	68.2	40.6	38.63	22.83	55.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	
												H	



UNII-3 5725~5850MHz

WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 148 5740MHz		5624.4	54.83	-13.37	68.2	39.57	33.24	12.41	30.39	100	105	P	H
		5697.8	68.65	-34.93	103.58	53.12	33.44	12.51	30.42	100	105	P	H
		5718.2	89.25	-21.05	110.3	73.57	33.57	12.53	30.42	100	105	P	H
		5725	92.9	-29.3	122.2	77.16	33.62	12.54	30.42	100	105	P	H
	*	5740	112.55	-	-	96.69	33.72	12.56	30.42	100	105	P	H
	*	5740	103.75	-	-	87.89	33.72	12.56	30.42	100	105	A	H
													H
													H
		5647.4	60.94	-7.26	68.2	45.65	33.25	12.44	30.4	233	0	P	V
		5699.6	81.11	-23.8	104.91	65.57	33.45	12.51	30.42	233	0	P	V
		5719.8	99.79	-10.95	110.74	84.09	33.58	12.54	30.42	233	0	P	V
		5724	101.75	-18.17	119.92	86.02	33.61	12.54	30.42	233	0	P	V
	*	5740	121.86	-	-	106	33.72	12.56	30.42	233	0	P	V
	*	5740	113.77	-	-	97.91	33.72	12.56	30.42	233	0	A	V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 157 5785MHz		5633.6	54.1	-14.1	68.2	38.83	33.24	12.42	30.39	371	0	P	H
		5676.2	54.41	-33.22	87.63	38.99	33.35	12.48	30.41	371	0	P	H
		5718.8	58.48	-51.98	110.46	42.79	33.58	12.53	30.42	371	0	P	H
		5723.2	62.26	-55.84	118.1	46.53	33.61	12.54	30.42	371	0	P	H
	*	5785	113.24	-	-	97	34.05	12.62	30.43	371	0	P	H
	*	5785	105.68	-	-	89.44	34.05	12.62	30.43	371	0	A	H
		5850	61.61	-60.59	122.2	45.16	34.23	12.69	30.47	371	0	P	H
		5860.6	61.09	-48.14	109.23	44.63	34.23	12.71	30.48	371	0	P	H
		5875	56.31	-48.89	105.2	39.84	34.24	12.72	30.49	371	0	P	H
		5930.6	55.43	-12.77	68.2	38.94	34.22	12.78	30.51	371	0	P	H
													H
													H
		5629.4	55.8	-12.4	68.2	40.53	33.24	12.42	30.39	237	0	P	V
		5698.4	60.14	-43.88	104.02	44.61	33.44	12.51	30.42	237	0	P	V
		5718.8	70.62	-39.84	110.46	54.93	33.58	12.53	30.42	237	0	P	V
		5724.6	72.56	-48.73	121.29	56.82	33.62	12.54	30.42	237	0	P	V
	*	5785	122.81	-	-	106.57	34.05	12.62	30.43	237	0	P	V
	*	5785	114.91	-	-	98.67	34.05	12.62	30.43	237	0	A	V
		5852.6	71.38	-44.89	116.27	54.92	34.23	12.7	30.47	237	0	P	V
		5855.2	71.53	-39.21	110.74	55.07	34.23	12.7	30.47	237	0	P	V
		5878.2	60.59	-42.23	102.82	44.11	34.24	12.73	30.49	237	0	P	V
		5925.6	55.79	-12.41	68.2	39.3	34.22	12.78	30.51	237	0	P	V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 167 5835MHz	*	5835	114.83	-	-	98.4	34.21	12.68	30.46	362	360	P	H
	*	5835	107.16	-	-	90.73	34.21	12.68	30.46	362	360	A	H
		5850.4	95.98	-25.31	121.29	79.52	34.23	12.7	30.47	362	360	P	H
		5856.6	93.37	-16.98	110.35	76.91	34.23	12.7	30.47	362	360	P	H
		5881.4	71.62	-28.83	100.45	55.14	34.24	12.73	30.49	362	360	P	H
		5928.6	57.52	-10.68	68.2	41.03	34.22	12.78	30.51	362	360	P	H
													H
													H
	*	5835	122.76	-	-	106.33	34.21	12.68	30.46	219	0	P	V
	*	5835	115.29	-	-	98.86	34.21	12.68	30.46	219	0	A	V
		5851.6	101.7	-16.85	118.55	85.24	34.23	12.7	30.47	219	0	P	V
		5855.4	99.36	-11.33	110.69	82.9	34.23	12.7	30.47	219	0	P	V
		5877.2	79.59	-23.98	103.57	63.12	34.24	12.72	30.49	219	0	P	V
		5933.4	61.87	-6.33	68.2	45.38	34.21	12.79	30.51	219	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

[illegible]

[illegible]

[illegible]



UNII-3 5725~5850MHz

WIFI 802.11ax HE20 Single RU (Band Edge @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Single RU CH 148 5740MHz		5629.4	54.58	-13.62	68.2	39.31	33.24	12.42	30.39	298	360	P	H
		5675.8	67.4	-19.93	87.33	51.98	33.35	12.48	30.41	298	360	P	H
		5715.8	84.47	-25.16	109.63	68.8	33.56	12.53	30.42	298	360	P	H
		5724.8	90.85	-30.89	121.74	75.11	33.62	12.54	30.42	298	360	P	H
	*	5731	121.96	-	-	106.17	33.66	12.55	30.42	298	360	P	H
	*	5731	117.78	-	-	101.99	33.66	12.55	30.42	298	360	A	H
													H
													H
		5634.6	59.32	-8.88	68.2	44.05	33.24	12.42	30.39	239	332	P	V
		5689.8	80.63	-17.05	97.68	65.14	33.41	12.5	30.42	239	332	P	V
		5719.8	102.68	-8.06	110.74	86.98	33.58	12.54	30.42	239	332	P	V
		5725	103.1	-19.1	122.2	87.36	33.62	12.54	30.42	239	332	P	V
	*	5731	126.61	-	-	110.82	33.66	12.55	30.42	239	332	P	V
	*	5731	122.73	-	-	106.94	33.66	12.55	30.42	239	332	A	V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Single RU CH 157 5785MHz		5646.4	54.06	-14.14	68.2	38.77	33.25	12.44	30.4	370	0	P	H
		5659.6	54.15	-21.18	75.33	38.8	33.29	12.46	30.4	370	0	P	H
		5720	59.49	-51.31	110.8	43.78	33.59	12.54	30.42	370	0	P	H
		5720	59.49	-51.31	110.8	43.78	33.59	12.54	30.42	370	0	P	H
	*	5776	120.85	-	-	104.69	33.98	12.61	30.43	370	0	P	H
	*	5776	116.64	-	-	100.48	33.98	12.61	30.43	370	0	A	H
		5850.2	56.11	-65.63	121.74	39.65	34.23	12.7	30.47	370	0	P	H
		5873	56.15	-49.61	105.76	39.68	34.23	12.72	30.48	370	0	P	H
		5904.8	56.65	-26.46	83.11	40.15	34.24	12.76	30.5	370	0	P	H
		5949.4	54.79	-13.41	68.2	38.3	34.2	12.8	30.51	370	0	P	H
													H
													H
		5625.8	55.62	-12.58	68.2	40.36	33.24	12.41	30.39	241	9	P	V
		5676.8	56.34	-31.73	88.07	40.91	33.36	12.48	30.41	241	9	P	V
		5705.6	61.2	-45.57	106.77	45.61	33.49	12.52	30.42	241	9	P	V
		5724.6	66.84	-54.45	121.29	51.1	33.62	12.54	30.42	241	9	P	V
	*	5776	127.52	-	-	111.36	33.98	12.61	30.43	241	9	P	V
	*	5776	123.14	-	-	106.98	33.98	12.61	30.43	241	9	A	V
		5850	71.28	-50.92	122.2	54.83	34.23	12.69	30.47	241	9	P	V
		5859.6	63.37	-46.14	109.51	46.91	34.23	12.71	30.48	241	9	P	V
		5915.8	56.06	-18.92	74.98	39.56	34.23	12.77	30.5	241	9	P	V
		5944.2	56.77	-11.43	68.2	40.28	34.2	12.8	30.51	241	9	P	V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Single RU CH 167 5835MHz	*	5844	122.64	-	-	106.2	34.22	12.69	30.47	357	360	P	H
	*	5844	117.02	-	-	100.58	34.22	12.69	30.47	357	360	A	H
		5851.4	97.01	-22	119.01	80.55	34.23	12.7	30.47	357	360	P	H
		5857.2	86.56	-23.62	110.18	70.1	34.23	12.7	30.47	357	360	P	H
		5886.2	70.92	-25.96	96.88	54.44	34.24	12.73	30.49	357	360	P	H
		5927	56.26	-11.94	68.2	39.77	34.22	12.78	30.51	357	360	P	H
													H
													H
	*	5844	128.79	-	-	112.35	34.22	12.69	30.47	232	356	P	V
	*	5844	124.3	-	-	107.86	34.22	12.69	30.47	232	356	A	V
		5850	99.77	-22.43	122.2	83.32	34.23	12.69	30.47	232	356	P	V
		5855	94.83	-15.97	110.8	78.37	34.23	12.7	30.47	232	356	P	V
		5883.6	77.38	-21.43	98.81	60.9	34.24	12.73	30.49	232	356	P	V
		5926.6	60.21	-7.99	68.2	43.72	34.22	12.78	30.51	232	356	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**UNII-3 5725~5850MHz****WIFI 802.11ax HE20 Single RU (Harmonic @ 3m)**

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Single RU CH 148 5740MHz		11462	54.92	-19.08	74	57.52	39.07	18.06	59.73	328	58	P	H
		11462	48.26	-5.74	54	50.86	39.07	18.06	59.73	328	58	A	H
		17193	50.44	-17.76	68.2	49.59	37.46	22.59	59.2	205	177	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11462	55.16	-18.84	74	57.76	39.07	18.06	59.73	400	62	P	V
		11462	49.02	-4.98	54	51.62	39.07	18.06	59.73	400	62	A	V
		17193	55.27	-12.93	68.2	54.42	37.46	22.59	59.2	304	53	P	V
		11462	55.16	-18.84	74	57.76	39.07	18.06	59.73	400	62	A	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Single RU CH 157 5785MHz		11552	54.36	-19.64	74	56.75	38.88	18.13	59.4	299	52	P	H
		11552	47.61	-6.39	54	50	38.88	18.13	59.4	299	52	A	H
		17328	50.18	-18.02	68.2	47.81	38	22.66	58.29	299	50	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11552	55.29	-18.71	74	57.68	38.88	18.13	59.4	393	59	P	V
		11552	48.99	-5.01	54	51.38	38.88	18.13	59.4	393	59	A	V
		17328	54.68	-13.52	68.2	52.31	38	22.66	58.29	275	43	P	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Single RU CH 167 5835MHz		11688	51.11	-22.89	74	53.71	38.44	18.23	59.27	100	275	P	H
		11688	42.38	-11.62	54	44.98	38.44	18.23	59.27	100	275	A	H
		17532	45.26	-22.94	68.2	39.83	38.63	22.83	56.03	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11688	53.66	-20.34	74	56.26	38.44	18.23	59.27	100	274	P	V
		11688	45.5	-8.5	54	48.1	38.44	18.23	59.27	100	274	A	V
		17532	52.81	-15.39	68.2	47.38	38.63	22.83	56.03	288	54	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



UNII-3 5725~5850MHz

WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 151 5755MHz		5646.2	56.27	-11.93	68.2	40.98	33.25	12.44	30.4	369	0	P	H
		5699.4	68.8	-35.96	104.76	53.26	33.45	12.51	30.42	369	0	P	H
		5716.4	83.59	-26.2	109.79	67.92	33.56	12.53	30.42	369	0	P	H
		5720.6	87	-25.17	112.17	71.29	33.59	12.54	30.42	369	0	P	H
	*	5755	109.36	-	-	93.37	33.83	12.58	30.42	369	0	P	H
	*	5755	101.66	-	-	85.67	33.83	12.58	30.42	369	0	A	H
		5850	62.88	-59.32	122.2	46.43	34.23	12.69	30.47	369	0	P	H
		5855	60.17	-50.63	110.8	43.71	34.23	12.7	30.47	369	0	P	H
		5878	57.77	-45.2	102.97	41.29	34.24	12.73	30.49	369	0	P	H
		5925.2	55.78	-12.42	68.2	39.29	34.22	12.78	30.51	369	0	P	H
													H
													H
		5649.4	66.69	-1.51	68.2	51.4	33.25	12.44	30.4	240	0	P	V
		5699.8	79.12	-25.93	105.05	63.58	33.45	12.51	30.42	240	0	P	V
		5718.4	96.36	-13.99	110.35	80.67	33.58	12.53	30.42	240	0	P	V
		5723.4	96.92	-21.63	118.55	81.19	33.61	12.54	30.42	240	0	P	V
	*	5755	118.22	-	-	102.23	33.83	12.58	30.42	240	0	P	V
	*	5755	110.11	-	-	94.12	33.83	12.58	30.42	240	0	A	V
		5850.4	69.44	-51.85	121.29	52.98	34.23	12.7	30.47	240	0	P	V
		5856.2	69.65	-40.81	110.46	53.19	34.23	12.7	30.47	240	0	P	V
		5876.6	63.15	-40.86	104.01	46.68	34.24	12.72	30.49	240	0	P	V
		5928	57.38	-10.82	68.2	40.89	34.22	12.78	30.51	240	0	P	V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 159 5795MHz		5610.8	54.66	-13.54	68.2	39.42	33.23	12.39	30.38	369	0	P	H
		5697.2	59.4	-43.74	103.14	43.87	33.44	12.51	30.42	369	0	P	H
		5719.2	65.31	-45.27	110.58	49.62	33.58	12.53	30.42	369	0	P	H
		5724.2	66.91	-53.47	120.38	51.18	33.61	12.54	30.42	369	0	P	H
	*	5795	110.94	-	-	94.63	34.12	12.63	30.44	369	0	P	H
	*	5795	103.11	-	-	86.8	34.12	12.63	30.44	369	0	A	H
		5851.6	71.14	-47.41	118.55	54.68	34.23	12.7	30.47	369	0	P	H
		5855.4	70.2	-40.49	110.69	53.74	34.23	12.7	30.47	369	0	P	H
		5875.8	65.81	-38.8	104.61	49.34	34.24	12.72	30.49	369	0	P	H
		5926.4	59.95	-8.25	68.2	43.46	34.22	12.78	30.51	369	0	P	H
													H
													H
		5649.4	59.91	-8.29	68.2	44.62	33.25	12.44	30.4	239	0	P	V
		5695.8	69.58	-32.52	102.1	54.07	33.43	12.5	30.42	239	0	P	V
		5719.4	74.07	-36.56	110.63	58.37	33.58	12.54	30.42	239	0	P	V
		5723.4	76.07	-42.48	118.55	60.34	33.61	12.54	30.42	239	0	P	V
	*	5795	119.5	-	-	103.19	34.12	12.63	30.44	239	0	P	V
	*	5795	111.57	-	-	95.26	34.12	12.63	30.44	239	0	A	V
		5850.8	82.24	-38.14	120.38	65.78	34.23	12.7	30.47	239	0	P	V
		5863.4	79.75	-28.7	108.45	63.29	34.23	12.71	30.48	239	0	P	V
		5879	75.55	-26.68	102.23	59.07	34.24	12.73	30.49	239	0	P	V
		5926.4	65.69	-2.51	68.2	49.2	34.22	12.78	30.51	239	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ax HE40_Full (Harmonic @ 3m)

[illegible]

[illegible]



UNII-3 5725~5850MHz

WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 155 5775MHz		5648.4	57.12	-11.08	68.2	41.83	33.25	12.44	30.4	370	0	P	H
		5699.2	64.82	-39.79	104.61	49.28	33.45	12.51	30.42	370	0	P	H
		5720	69	-41.8	110.8	53.29	33.59	12.54	30.42	370	0	P	H
		5725	69.95	-52.25	122.2	54.21	33.62	12.54	30.42	370	0	P	H
	*	5775	104.63	-	-	88.48	33.97	12.61	30.43	370	0	P	H
	*	5775	95.87	-	-	79.72	33.97	12.61	30.43	370	0	A	H
		5853	68.74	-46.62	115.36	52.28	34.23	12.7	30.47	370	0	P	H
		5856.2	66.94	-43.52	110.46	50.48	34.23	12.7	30.47	370	0	P	H
		5875	64.11	-41.09	105.2	47.64	34.24	12.72	30.49	370	0	P	H
		5927.8	58.12	-10.08	68.2	41.63	34.22	12.78	30.51	370	0	P	H
													H
													H
		5647.8	65.56	-2.64	68.2	50.27	33.25	12.44	30.4	241	5	P	V
		5694	75.66	-25.12	100.78	60.15	33.43	12.5	30.42	241	5	P	V
		5720	80.95	-29.85	110.8	65.24	33.59	12.54	30.42	241	5	P	V
		5721.8	82.45	-32.45	114.9	66.73	33.6	12.54	30.42	241	5	P	V
	*	5775	114.48	-	-	98.33	33.97	12.61	30.43	241	5	P	V
	*	5775	104.54	-	-	88.39	33.97	12.61	30.43	241	5	A	V
		5851.2	77.5	-41.96	119.46	61.04	34.23	12.7	30.47	241	5	P	V
		5862	77.28	-31.56	108.84	60.82	34.23	12.71	30.48	241	5	P	V
		5879.8	71.97	-29.66	101.63	55.49	34.24	12.73	30.49	241	5	P	V
		5926.2	62.88	-5.32	68.2	46.39	34.22	12.78	30.51	241	5	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ax HE80_Full (Harmonic @ 3m)

[illegible]

Emission above 18GHz

5GHz WIFI 802.11ax HE40 Full (SHF @ 1m)

[illegible]



Emission below 1GHz

5GHz WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		75.59	18.41	-21.59	40	36.16	13.06	1.62	32.43	-	-	P	H
		116.33	28.05	-15.45	43.5	41.26	17.4	1.86	32.47	-	-	P	H
		132.82	35.23	-8.27	43.5	48.29	17.4	2	32.46	-	-	P	H
		353.01	30.71	-15.29	46	39.31	20.52	3.3	32.42	-	-	P	H
		500.45	32.32	-13.68	46	37.08	23.91	3.9	32.57	-	-	P	H
		959.26	34.89	-11.11	46	29.02	31.39	5.46	30.98	-	-	P	H
													H
													H
													H
													H
													H
													H
		36.79	31.06	-8.94	40	41.12	21.31	1.08	32.45	-	-	P	V
		48.43	30.67	-9.33	40	46.98	14.89	1.23	32.43	-	-	P	V
		133.79	33.93	-9.57	43.5	46.97	17.4	2.01	32.45	-	-	P	V
		211.39	27.52	-15.98	43.5	42.55	14.94	2.52	32.49	-	-	P	V
		572.23	34.04	-11.96	46	36.34	26.04	4.16	32.5	-	-	P	V
		958.29	34.2	-11.8	46	28.37	31.37	5.45	30.99	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or noise floor only.												



<With High Gain Antenna>

UNII-3 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 148 5740MHz		5628.8	60.17	-8.03	68.2	44.23	33.24	12.42	29.72	139	175	P	H
		5697	83.22	-19.77	102.99	66.97	33.44	12.51	29.7	139	175	P	H
		5719	100.17	-10.35	110.52	83.76	33.58	12.53	29.7	139	175	P	H
		5723.4	106.58	-11.97	118.55	90.13	33.61	12.54	29.7	139	175	P	H
	*	5740	125.63	-	-	109.04	33.72	12.56	29.69	139	175	P	H
	*	5740	119.92	-	-	103.33	33.72	12.56	29.69	139	175	A	H
													H
													H
		5649.4	55.71	-12.49	68.2	39.74	33.25	12.44	29.72	400	252	P	V
		5699.8	77.23	-27.82	105.05	60.97	33.45	12.51	29.7	400	252	P	V
		5719	93.07	-17.45	110.52	76.66	33.58	12.53	29.7	400	252	P	V
		5724.4	97.62	-23.21	120.83	81.16	33.62	12.54	29.7	400	252	P	V
	*	5740	118.48	-	-	101.89	33.72	12.56	29.69	400	252	P	V
	*	5740	110.97	-	-	94.38	33.72	12.56	29.69	400	252	A	V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		5641.6	59.18	-9.02	68.2	43.22	33.25	12.43	29.72	200	179	P	H
		5697.6	59.87	-43.56	103.43	43.62	33.44	12.51	29.7	200	179	P	H
		5716.2	68.3	-41.44	109.74	51.91	33.56	12.53	29.7	200	179	P	H
		5721.8	72.9	-42	114.9	56.46	33.6	12.54	29.7	200	179	P	H
	*	5785	126.69	-	-	109.71	34.05	12.62	29.69	200	179	P	H
	*	5785	120.16	-	-	103.18	34.05	12.62	29.69	200	179	A	H
		5853.6	67.95	-46.04	113.99	50.71	34.23	12.7	29.69	200	179	P	H
		5858.4	68.83	-41.02	109.85	51.59	34.23	12.7	29.69	200	179	P	H
		5879	63.83	-38.4	102.23	46.57	34.24	12.73	29.71	200	179	P	H
		5935	60.51	-7.69	68.2	43.25	34.21	12.79	29.74	200	179	P	H
													H
													H
		5622.8	55.67	-12.53	68.2	39.74	33.24	12.41	29.72	100	170	P	V
		5683.8	56.49	-36.76	93.25	40.31	33.39	12.49	29.7	100	170	P	V
		5718.8	58.52	-51.94	110.46	42.11	33.58	12.53	29.7	100	170	P	V
		5721.4	60.04	-53.95	113.99	43.6	33.6	12.54	29.7	100	170	P	V
	*	5785	117.35	-	-	100.37	34.05	12.62	29.69	100	170	P	V
	*	5785	111.21	-	-	94.23	34.05	12.62	29.69	100	170	A	V
		5850	62.99	-59.21	122.2	45.76	34.23	12.69	29.69	100	170	P	V
		5860.6	61.28	-47.95	109.23	44.03	34.23	12.71	29.69	100	170	P	V
		5918.4	57.51	-15.56	73.07	40.24	34.23	12.77	29.73	100	170	P	V
		5943.4	57.8	-10.4	68.2	40.54	34.21	12.8	29.75	100	170	P	V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 167 5835MHz	*	5835	127.58	-	-	110.38	34.21	12.68	29.69	200	175	P	H
	*	5835	120.38	-	-	103.18	34.21	12.68	29.69	200	175	A	H
		5851.6	105.78	-12.77	118.55	88.54	34.23	12.7	29.69	200	175	P	H
		5857	101.2	-9.04	110.24	83.96	34.23	12.7	29.69	200	175	P	H
		5876.8	84.01	-19.85	103.86	66.75	34.24	12.72	29.7	200	175	P	H
		5925.6	60.97	-7.23	68.2	43.71	34.22	12.78	29.74	200	175	P	H
													H
													H
	*	5835	119.65	-	-	102.45	34.21	12.68	29.69	100	233	P	V
	*	5835	111.46	-	-	94.26	34.21	12.68	29.69	100	233	A	V
		5852.4	97.05	-19.68	116.73	79.81	34.23	12.7	29.69	100	233	P	V
		5857	90.92	-19.32	110.24	73.68	34.23	12.7	29.69	100	233	P	V
		5878.6	73.23	-29.3	102.53	55.97	34.24	12.73	29.71	100	233	P	V
		5942.8	57.36	-10.84	68.2	40.1	34.21	12.8	29.75	100	233	P	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**UNII-3 - 5725~5850MHz****WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 148 5740MHz		11480	46.4	-27.6	74	48.94	39.06	18.08	59.68	-	-	P	H
		17220	44.64	-23.56	68.2	43.44	37.58	22.6	58.98	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11480	46.49	-27.51	74	49.03	39.06	18.08	59.68	-	-	P	V
		17220	45.55	-22.65	68.2	44.35	37.58	22.6	58.98	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

[illegible]

[illegible]



UNII-3 5725~5850MHz

WIFI 802.11ax HE05 (Band Edge @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE05 CH 146 5730MHz		5605.2	58.52	-9.68	68.2	42.63	33.23	12.39	29.73	192	181	P	H
		5690.4	62.46	-35.66	98.12	46.25	33.41	12.5	29.7	192	181	P	H
		5719.8	88.69	-22.05	110.74	72.27	33.58	12.54	29.7	192	181	P	H
		5724.8	114.48	-7.26	121.74	98.02	33.62	12.54	29.7	192	181	P	H
	*	5730	127.26	-	-	110.75	33.65	12.55	29.69	192	181	P	H
	*	5730	120.54	-	-	104.03	33.65	12.55	29.69	192	181	A	H
													H
													H
		5610.6	55.63	-12.57	68.2	39.74	33.23	12.39	29.73	100	223	P	V
		5696.2	56.17	-46.23	102.4	39.93	33.43	12.51	29.7	100	223	P	V
		5719.4	79.31	-31.32	110.63	62.89	33.58	12.54	29.7	100	223	P	V
		5724.8	100.07	-21.67	121.74	83.61	33.62	12.54	29.7	100	223	P	V
	*	5730	121.24	-	-	104.73	33.65	12.55	29.69	100	223	P	V
	*	5730	115.23	-	-	98.72	33.65	12.55	29.69	100	223	A	V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE05 CH 157 5785MHz		5641.6	60.57	-7.63	68.2	44.61	33.25	12.43	29.72	172	186	P	H
		5684.8	58.68	-35.31	93.99	42.5	33.39	12.49	29.7	172	186	P	H
		5714	58.21	-50.91	109.12	41.83	33.55	12.53	29.7	172	186	P	H
		5720.8	56.26	-56.36	112.62	39.83	33.59	12.54	29.7	172	186	P	H
	*	5785	127.39	-	-	110.41	34.05	12.62	29.69	172	186	P	H
	*	5785	121.5	-	-	104.52	34.05	12.62	29.69	172	186	A	H
		5853.4	57.74	-56.71	114.45	40.5	34.23	12.7	29.69	172	186	P	H
		5865	58.34	-49.66	108	41.1	34.23	12.71	29.7	172	186	P	H
		5891.6	59.33	-33.55	92.88	42.06	34.24	12.74	29.71	172	186	P	H
		5932.6	58.28	-9.92	68.2	41.02	34.21	12.79	29.74	172	186	P	H
													H
													H
		5638	55.73	-12.47	68.2	39.77	33.25	12.43	29.72	101	235	P	V
		5650.4	56.02	-12.48	68.5	40.04	33.25	12.45	29.72	101	235	P	V
		5715.2	55.37	-54.09	109.46	38.99	33.55	12.53	29.7	101	235	P	V
		5724.6	55.93	-65.36	121.29	39.47	33.62	12.54	29.7	101	235	P	V
	*	5785	121.41	-	-	104.43	34.05	12.62	29.69	101	235	P	V
	*	5785	115.32	-	-	98.34	34.05	12.62	29.69	101	235	A	V
		5852	56.16	-61.48	117.64	38.92	34.23	12.7	29.69	101	235	P	V
		5858.2	57.6	-52.3	109.9	40.36	34.23	12.7	29.69	101	235	P	V
		5923.6	57.19	-12.04	69.23	39.93	34.22	12.78	29.74	101	235	P	V
		5928.4	57.56	-10.64	68.2	40.3	34.22	12.78	29.74	101	235	P	V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE05 CH 169 5845MHz	*	5845	129.3	-	-	112.08	34.22	12.69	29.69	176	180	P	H
	*	5845	122.66	-	-	105.44	34.22	12.69	29.69	176	180	A	H
		5852	114.99	-2.65	117.64	97.75	34.23	12.7	29.69	176	180	P	H
		5855.8	92.51	-18.07	110.58	75.27	34.23	12.7	29.69	176	180	P	H
		5875.4	66.37	-38.53	104.9	49.11	34.24	12.72	29.7	176	180	P	H
		5930.2	57.93	-10.27	68.2	40.67	34.22	12.78	29.74	176	180	P	H
													H
													H
	*	5845	123.46	-	-	106.24	34.22	12.69	29.69	377	264	P	V
	*	5845	116.26	-	-	99.04	34.22	12.69	29.69	377	264	A	V
		5850	104.03	-18.17	122.2	86.8	34.23	12.69	29.69	377	264	P	V
		5855.4	84.77	-25.92	110.69	67.53	34.23	12.7	29.69	377	264	P	V
		5875	58.88	-46.32	105.2	41.62	34.24	12.72	29.7	377	264	P	V
		5933.4	57.38	-10.82	68.2	40.12	34.21	12.79	29.74	377	264	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz

WIFI 802.11ax HE05 (Harmonic @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE5 CH 146 5730MHz		11460	45.53	-28.47	74	48.13	39.07	18.06	59.73	-	-	P	H
		17190	44.6	-23.6	68.2	43.79	37.44	22.59	59.22	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11460	46.39	-27.61	74	48.99	39.07	18.06	59.73	-	-	P	V
		17190	45	-23.2	68.2	44.19	37.44	22.59	59.22	-	-	P	V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE5 CH 157 5780MHz		11570	45.36	-28.64	74	47.78	38.75	18.14	59.31	-	-	P	H
		17355	44.31	-23.89	68.2	41.72	38.05	22.68	58.14	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													V
		11570	51.29	-22.71	74	53.71	38.75	18.14	59.31	298	45	P	V
		11570	42.81	-11.19	54	45.23	38.75	18.14	59.31	298	45	A	V
		17355	49.07	-19.13	68.2	46.47	38.05	22.69	58.14	316	52	P	V
													V
													V
													V
													V
													V
													V

[illegible]



UNII-3 5725~5850MHz

WIFI 802.11ax HE10 (Band Edge @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 CH 147 5735MHz		5625.8	58.5	-9.7	68.2	42.57	33.24	12.41	29.72	222	182	P	H
		5695.8	66.99	-35.11	102.1	50.76	33.43	12.5	29.7	222	182	P	H
		5719.6	89.04	-21.65	110.69	72.62	33.58	12.54	29.7	222	182	P	H
		5722.4	106.33	-9.94	116.27	89.89	33.6	12.54	29.7	222	182	P	H
	*	5735	126.78	-	-	110.22	33.69	12.56	29.69	222	182	P	H
	*	5735	119.29	-	-	102.73	33.69	12.56	29.69	222	182	A	H
													H
													H
													H
													H
													H
													H
		5617.4	55.74	-12.46	68.2	39.83	33.24	12.4	29.73	100	254	P	V
		5699	58.05	-46.41	104.46	41.79	33.45	12.51	29.7	100	254	P	V
		5719.8	75.09	-35.65	110.74	58.67	33.58	12.54	29.7	100	254	P	V
		5725	91.73	-30.47	122.2	75.27	33.62	12.54	29.7	100	254	P	V
	*	5735	116.11	-	-	99.55	33.69	12.56	29.69	100	254	P	V
	*	5735	108.5	-	-	91.94	33.69	12.56	29.69	100	254	A	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 CH 157 5785MHz		5645.8	59.53	-8.67	68.2	43.56	33.25	12.44	29.72	164	183	P	H
		5652.4	58.49	-11.49	69.98	42.5	33.26	12.45	29.72	164	183	P	H
		5718	57.48	-52.76	110.24	41.08	33.57	12.53	29.7	164	183	P	H
		5725	57.54	-64.66	122.2	41.08	33.62	12.54	29.7	164	183	P	H
	*	5785	126.29	-	-	109.31	34.05	12.62	29.69	164	183	P	H
	*	5785	119.75	-	-	102.77	34.05	12.62	29.69	164	183	A	H
		5853.4	57.99	-56.46	114.45	40.75	34.23	12.7	29.69	164	183	P	H
		5855.4	58.65	-52.04	110.69	41.41	34.23	12.7	29.69	164	183	P	H
		5916.2	58.37	-16.32	74.69	41.1	34.23	12.77	29.73	164	183	P	H
		5928	59.1	-9.1	68.2	41.84	34.22	12.78	29.74	164	183	P	H
													H
													H
		5648.2	55.69	-12.51	68.2	39.72	33.25	12.44	29.72	100	235	P	V
		5661.4	56.25	-20.41	76.66	40.2	33.3	12.46	29.71	100	235	P	V
		5704.2	55.54	-50.84	106.38	39.24	33.48	12.52	29.7	100	235	P	V
		5722.8	55.15	-62.03	117.18	38.7	33.61	12.54	29.7	100	235	P	V
	*	5785	121.33	-	-	104.35	34.05	12.62	29.69	100	235	P	V
	*	5785	112.28	-	-	95.3	34.05	12.62	29.69	100	235	A	V
		5853.8	56.37	-57.17	113.54	39.13	34.23	12.7	29.69	100	235	P	V
		5872.8	57.84	-47.98	105.82	40.59	34.23	12.72	29.7	100	235	P	V
		5877.2	57.46	-46.11	103.57	40.2	34.24	12.72	29.7	100	235	P	V
		5944.8	57.46	-10.74	68.2	40.21	34.2	12.8	29.75	100	235	P	V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	(dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11ax HE10 CH 168 5840MHz	*	5840	128.46	-	-	111.25	34.22	12.68	29.69	177	188	P	H
	*	5840	120.28	-	-	103.07	34.22	12.68	29.69	177	188	A	H
		5850.2	106.41	-15.33	121.74	89.17	34.23	12.7	29.69	177	188	P	H
		5855	90.04	-20.76	110.8	72.8	34.23	12.7	29.69	177	188	P	H
		5875	70.98	-34.22	105.2	53.72	34.24	12.72	29.7	177	188	P	H
		5932.8	57.67	-10.53	68.2	40.41	34.21	12.79	29.74	177	188	P	H
													H
													H
													H
													H
													H
													H
	*	5840	121.44	-	-	104.23	34.22	12.68	29.69	398	264	P	V
	*	5840	113.89	-	-	96.68	34.22	12.68	29.69	398	264	A	V
		5850	99.12	-23.08	122.2	81.89	34.23	12.69	29.69	398	264	P	V
		5855.2	83.7	-27.04	110.74	66.46	34.23	12.7	29.69	398	264	P	V
		5875	66.8	-38.4	105.2	49.54	34.24	12.72	29.7	398	264	P	V
		5948.2	56.93	-11.27	68.2	39.68	34.2	12.8	29.75	398	264	P	V
													V
													V
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz

WIFI 802.11ax HE10 (Harmonic @ 3m)

WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 CH 147 5735MHz		11470	44.89	-29.11	74	47.46	39.06	18.07	59.7	-	-	P	H
		17205	43.92	-24.28	68.2	42.89	37.52	22.6	59.09	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11470	45.43	-28.57	74	48	39.06	18.07	59.7	-	-	P	V
		17205	48.86	-19.34	68.2	47.83	37.52	22.6	59.09	297	53	P	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 0+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE10 CH 157 5785MHz		11570	44.93	-29.07	74	47.35	38.75	18.14	59.31	-	-	P	H
		17355	44.47	-23.73	68.2	41.88	38.05	22.68	58.14	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	46.22	-27.78	74	48.64	38.75	18.14	59.31	-	-	P	V
		17355	44.37	-23.83	68.2	41.77	38.05	22.69	58.14	-	-	P	V
													V
													V
													V
													V
													V
													V
													V