



# FCC RADIO TEST REPORT

FCC ID : 2AGOZ-S3A  
Equipment : VR Headset  
Brand Name : META PLATFORMS TECHNOLOGIES, LLC  
Model Name : S3A  
Applicant : Meta Platforms Technologies, LLC.  
1 Hacker Way, Menlo Park, CA 94025, USA  
Manufacturer : Meta Platforms Technologies, LLC.  
1 Hacker Way, Menlo Park, CA 94025, USA  
Standard : FCC Part 15 Subpart E §15.407

The product was received on May 02, 2023 and testing was performed from May 04, 2023 to Jun. 14, 2023. We, Sporton International Inc. Wensan Laboratory, 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 Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

*Louis Wu*

Approved by: Louis Wu

**Sporton International Inc. Wensan Laboratory**

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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### History of this test report

Report No.	Version	Description	Issue Date
FR261607-06E	01	Initial issue of report	Jun. 30, 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	4.62 dB under the limit at 5648.500 MHz
3.5	15.207	AC Conducted Emission	Pass	15.99 dB under the limit at 0.157 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/manufacturer 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.

**Reviewed by: Yun Huang**  
**Report Producer: Ming Chen**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

Product Feature		
General Specs	Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11ax and nRF.	
Sample 1	Main-A	
Sample 2	Main-B	
Sample 3	Main-C	
Sample 4	Main-D	
Antenna Type	WLAN: <Ant. 0>: Dipole Antenna <Ant. 1>: Dipole Antenna Bluetooth: Dipole Antenna nRF: Dipole Antenna	
Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Ant. 0: 4.10 Ant. 1: 3.10

**Remark:** 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  $N_{ANT} \leq 4$ .

$G_{ANT}$  is set equal to the gain of the antenna having the highest 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.

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 0	Ant 1	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	4.10	3.10	4.10	6.62	0.00	0.62

Calculation example:

If a device has two antenna,  $G_{ANT1}= 4.10\text{dBi}$ ;  $G_{ANT2}=3.10\text{dBi}$

Directional gain of power measurement =  $\max(4.10, 3.10) + 0 = 4.10 \text{ dBi}$

Directional gain of PSD derived from formula which is

$$10 \times \log \left\{ \left[ 10^{(4.10 \text{ dBi} / 20)} + 10^{(3.10 \text{ dBi} / 20)} \right]^2 / 2 \right\}$$

= 6.62 dBi

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

## 1.2 Modification of EUT

No modifications made to the EUT during the testing.



### 1.3 Testing Location

<b>Test Site</b>	Sporton International Inc. Wensan Laboratory
<b>Test Site Location</b>	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
<b>Test Site No.</b>	<b>Sporton Site No.</b> TH05-HY, CO07-HY, 03CH13-HY

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

FCC designation No.: TW3786

### 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. The TAF code is not including all the FCC KDB listed without accreditation.
3. 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), 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

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155#	5775	165	5825

**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.



## 2.2 Test Mode

This device support 26/52/106/242/484/996-tone RU.

The 242-tone RU is covered by 20MHz channel, 484-tone RU is covered by 40MHz channel and 996-tone RU is covered by 80MHz channel.

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	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0



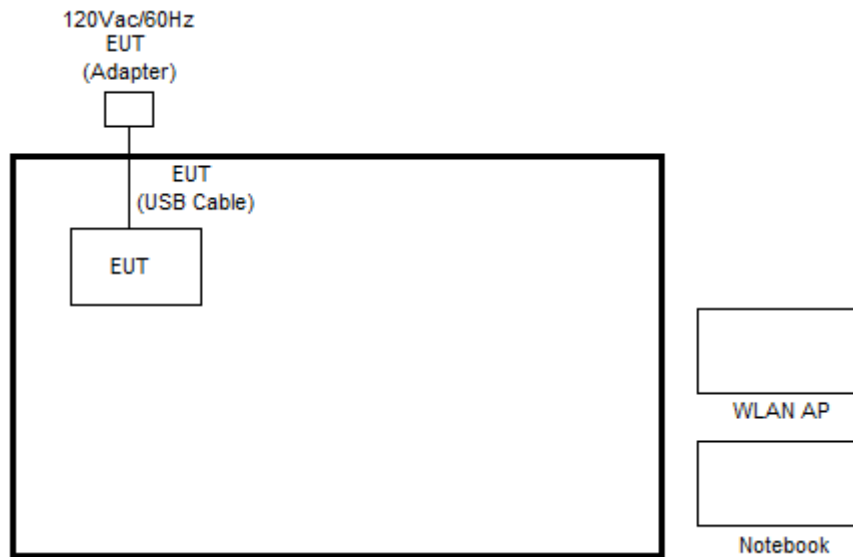
Test Cases	
<b>AC Conducted Emission</b>	Mode 1 : WLAN (5GHz) Link + Battery 2 + USB Cable 2 (Charging from Adapter) for Sample 1 Mode 2 : WLAN (5GHz) Link + Battery 2 + USB Cable 2 (Charging from Adapter) for Sample 2 Mode 3 : WLAN (5GHz) Link + Battery 2 + USB Cable 2 (Charging from Adapter) for Sample 3 Mode 4 : WLAN (5GHz) Link + Battery 2 + USB Cable 2 (Charging from Adapter) for Sample 4
<b>Remark:</b>	
1. The worst case of Conducted Emission is mode 1; only the test data of it was reported. 2. For Radiated Test Cases, the tests were performed with Battery 2, USB Cable 2 and Sample 1	

Ch. #		Band IV : 5725-5850 MHz			
		802.11a	802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

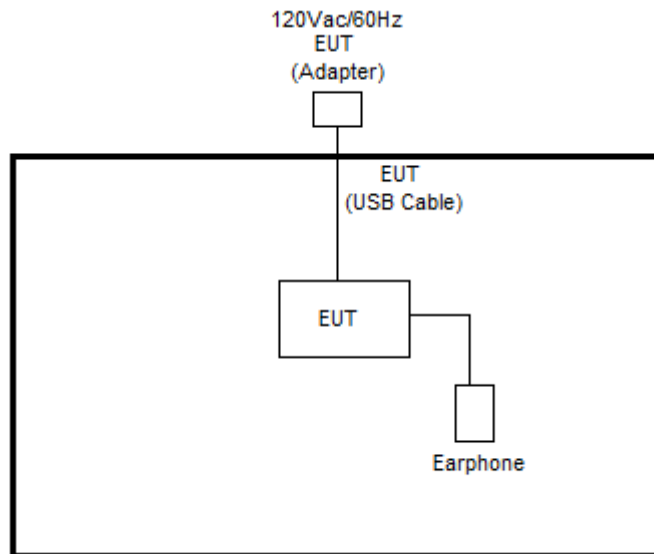
**Remark:** For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

## 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.	Earphone	Sony	MH410c	N/A	Unshielded, 1.2 m	N/A
2.	WLAN AP	Neatgear	RAXE500	MSQ-RTAC4A00	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	P79G	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	DELL	Latitude 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m



## 2.5 EUT Operation Test Setup

The RF test items, utility “QRCT v4.0.00211.0” 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.

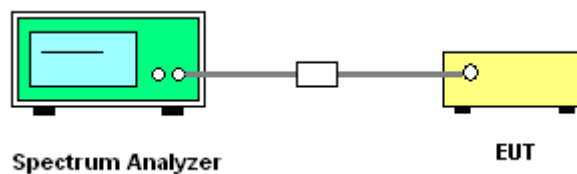
##### 3.1.2 Measuring Instruments

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

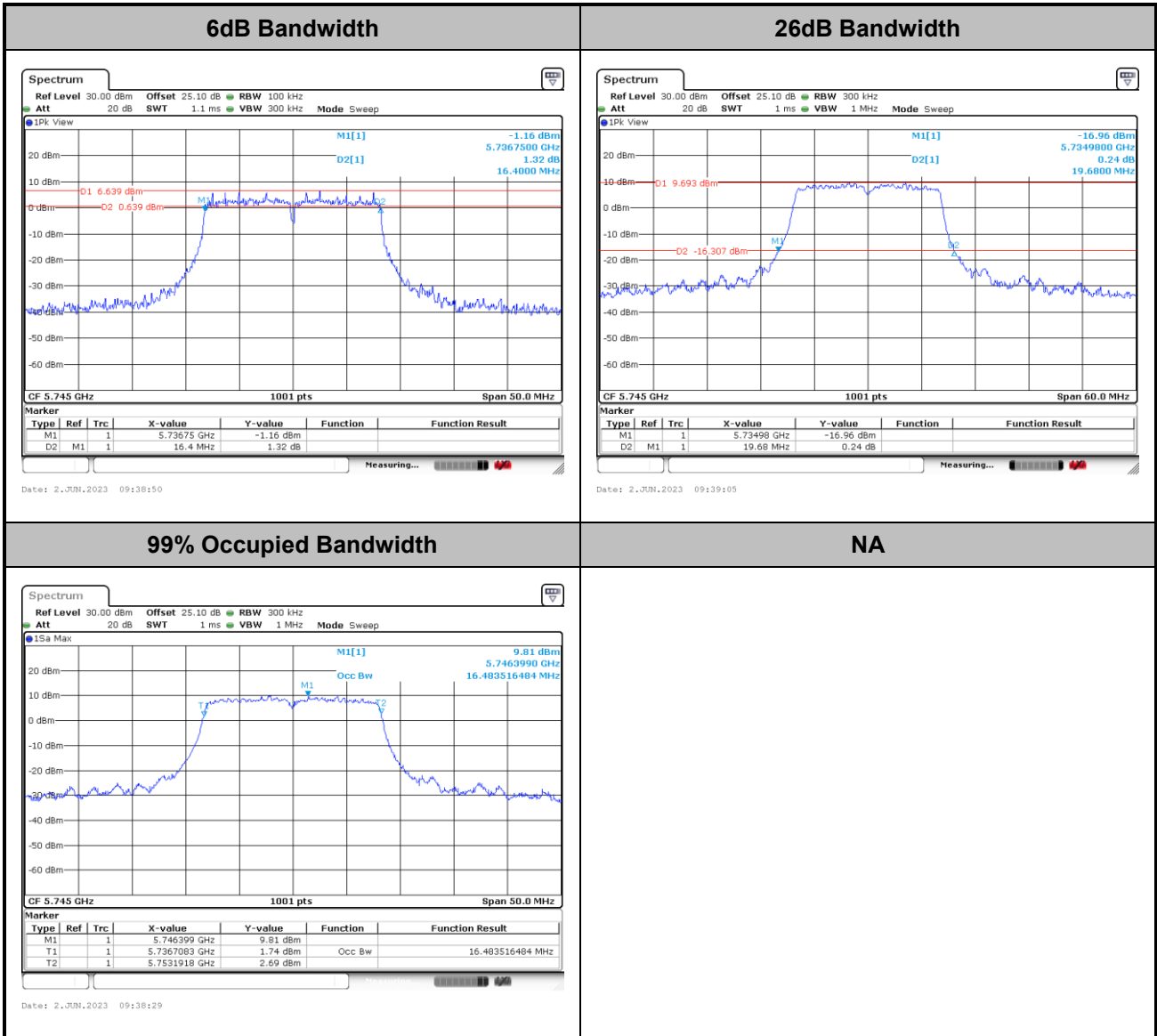


##### 3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.



<802.11a>

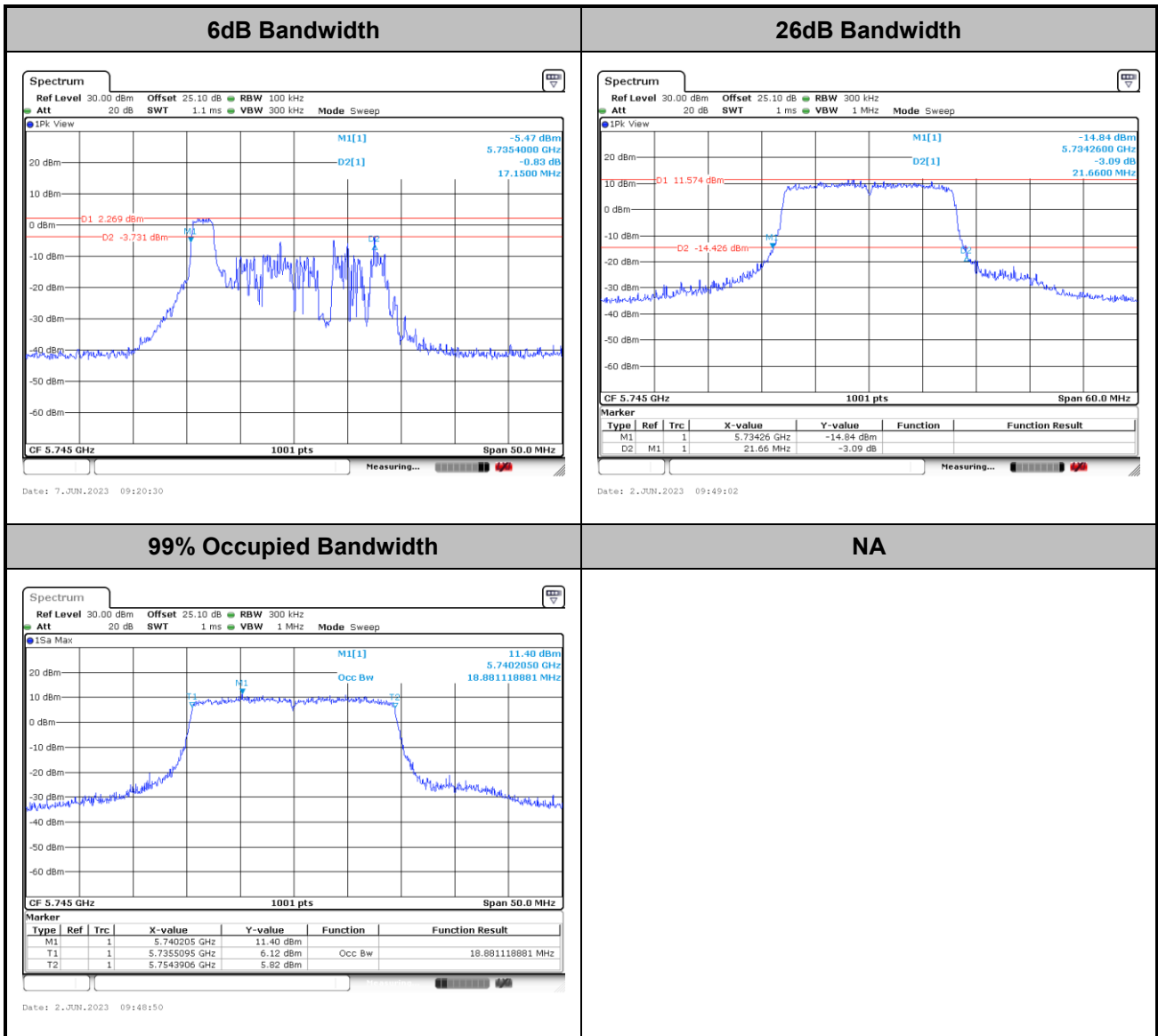


**Note:** The occupied channel bandwidth is maintained within the band of operation for all of the modulations.





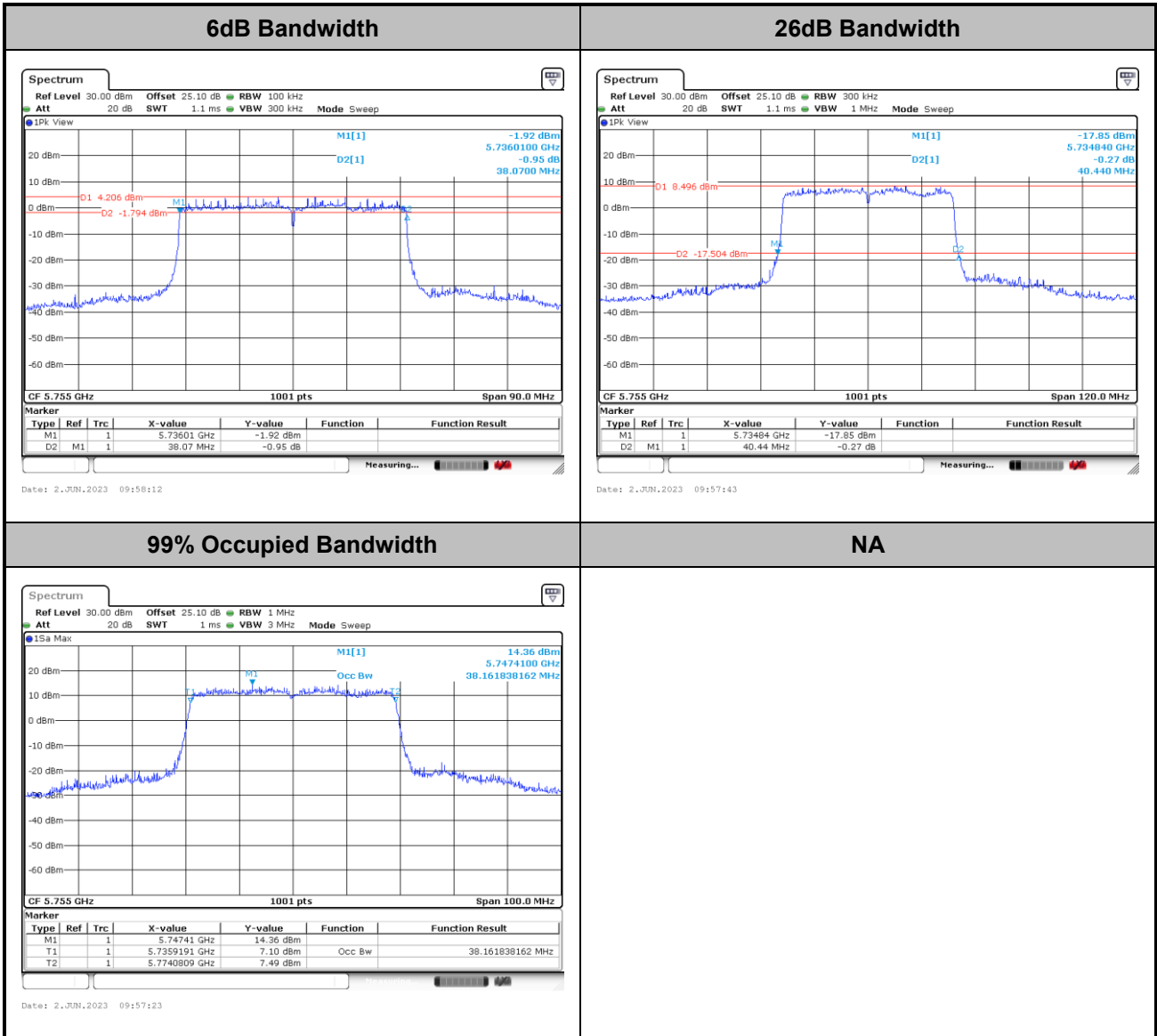
<802.11ax HE20>



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



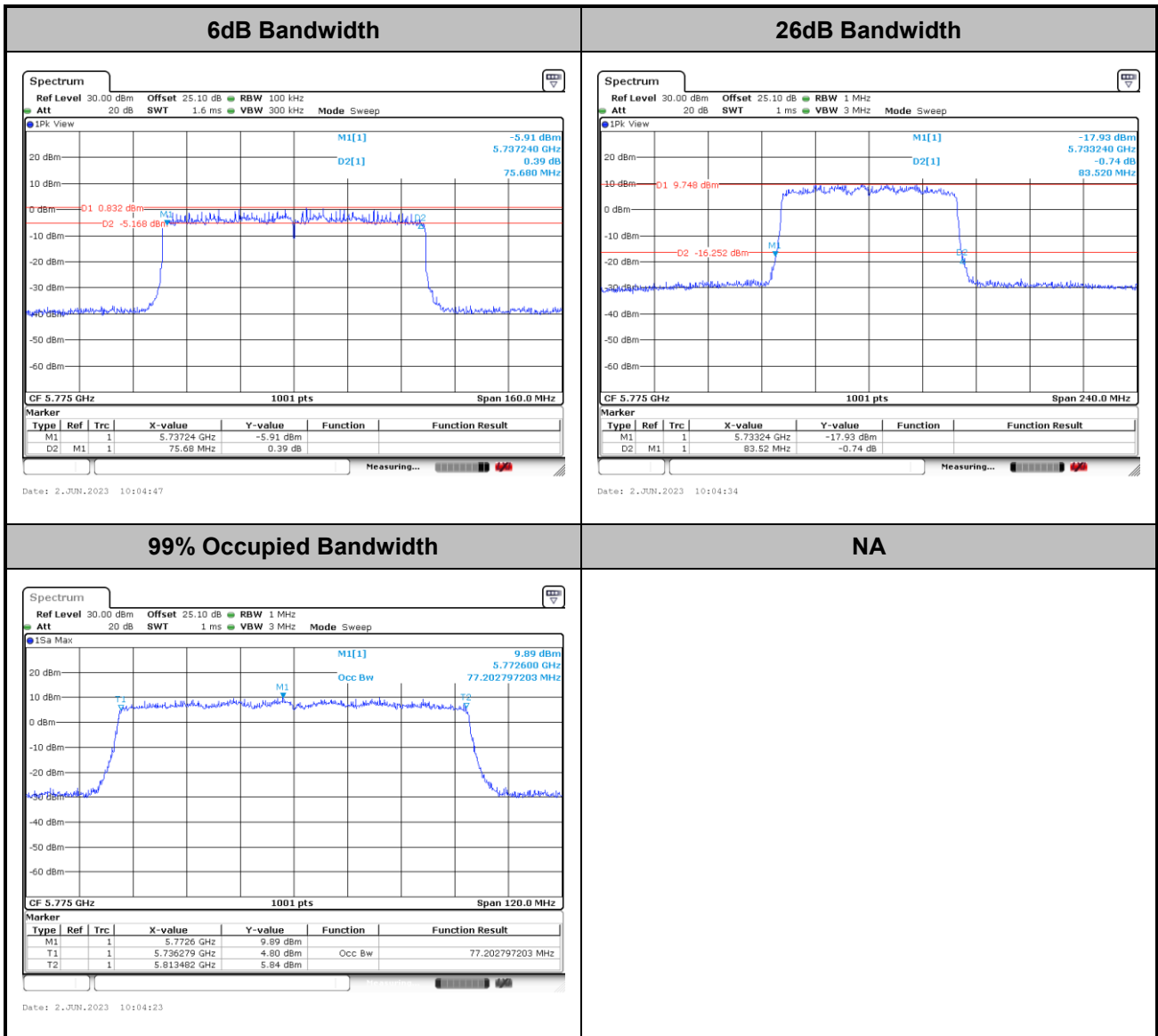
<802.11ax HE40>



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



<802.11ax HE80>



**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

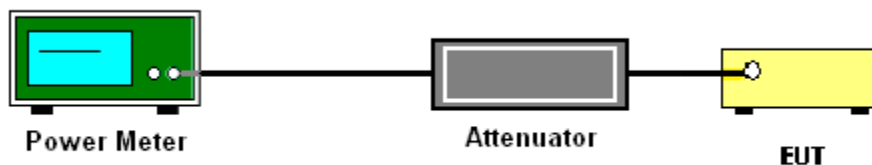
#### <CDD Modes>

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.

##### <CDD Modes>

##### # Method SA-3 #

(power averaging (rms) detection with max hold):

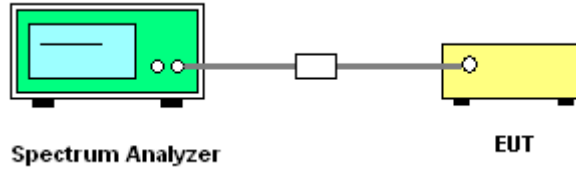
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
  - Set RBW = 300 kHz.
  - Set VBW  $\geq$  1 MHz.
  - Number of points in sweep  $\geq$  2 Span / RBW.
  - Add  $10 \log(500 \text{ kHz/RBW})$  to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
  - Sweep time  $\leq$  (number of points in sweep)  $\times$  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.  
Detector = power averaging (rms).
  - Trace mode = max hold.
  - Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.
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 PPSD and record it.
  3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (c): Measure and add  $10 \log(N_{\text{ANT}})$  dB.

With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity  $10 \log(N_{\text{ANT}})$  dB is added to each spectrum value before comparing to the emission limit. The addition of  $10 \log(N_{\text{ANT}})$  dB serves to apportion the emission limit among the  $N_{\text{ANT}}$  outputs so

that each output is permitted to contribute no more than  $1/N_{ANT}^{th}$  of the PSD limit.

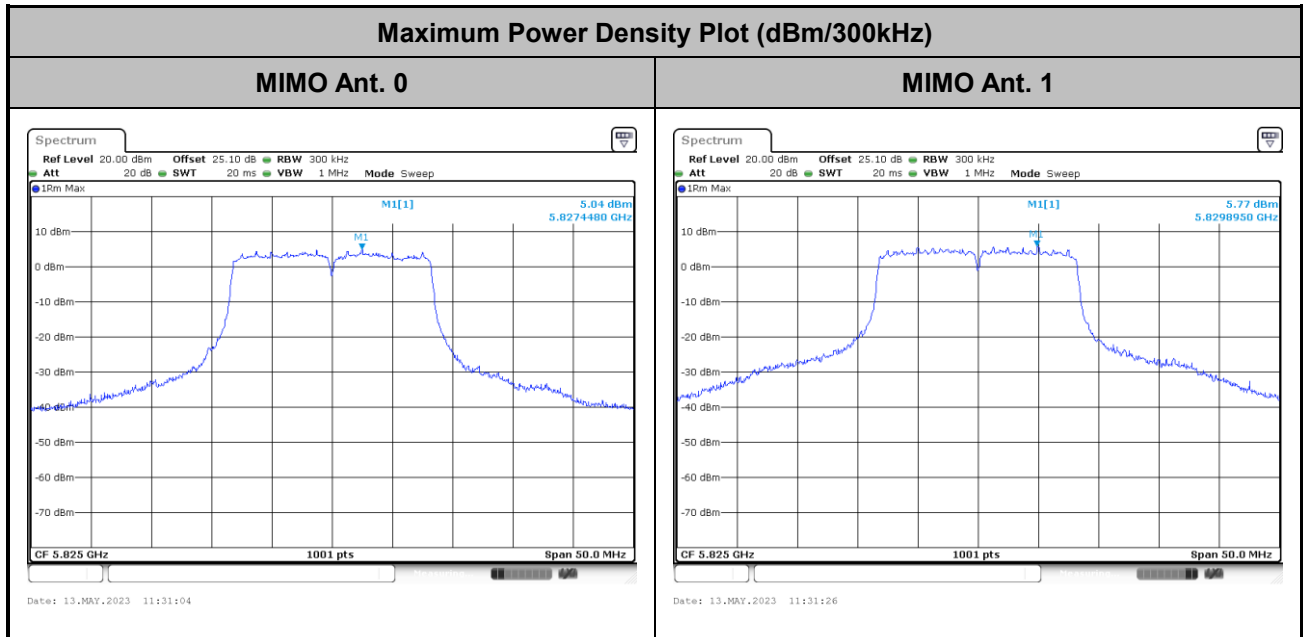
### 3.3.4 Test Setup



### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

<802.11a>



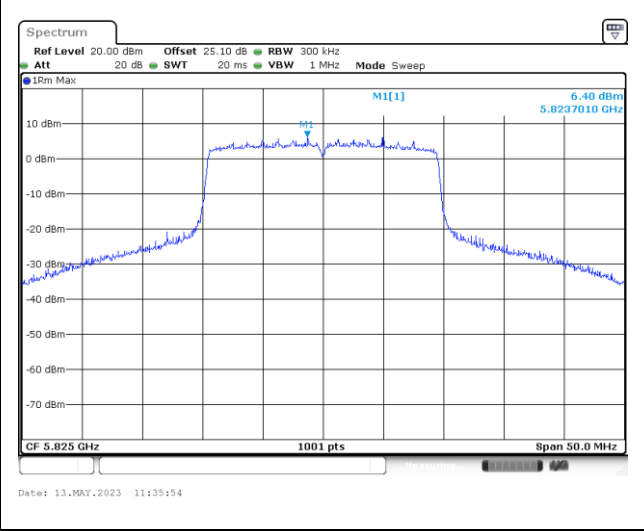
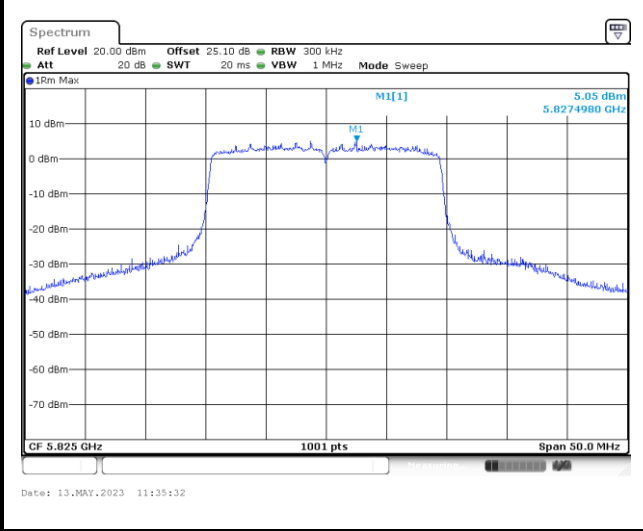


<802.11ax HE20>

Maximum Power Density Plot (dBm/300kHz)

MIMO Ant. 0

MIMO Ant. 1

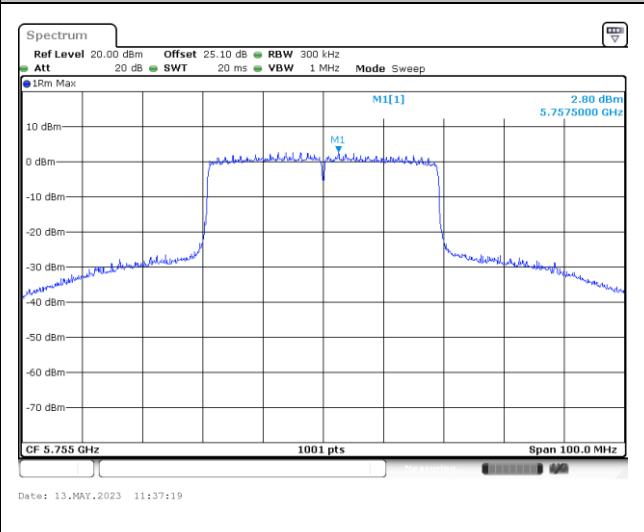
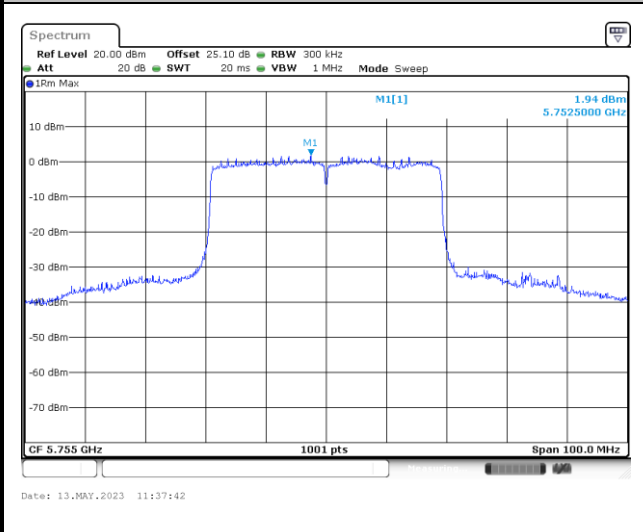


<802.11ax HE40>

Maximum Power Density Plot (dBm/300kHz)

MIMO Ant. 0

MIMO Ant. 1



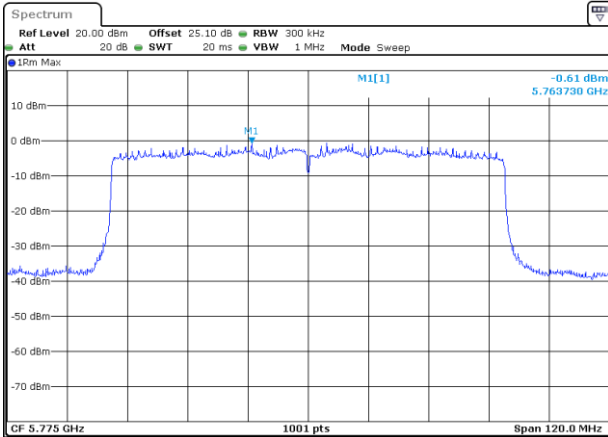


<802.11ax HE80>

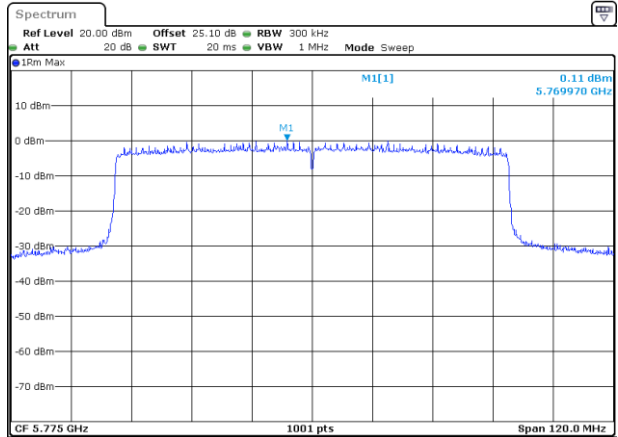
Maximum Power Density Plot (dBm/300kHz)

MIMO Ant. 0

MIMO Ant. 1



Date: 13.MAY.2023 11:41:31



Date: 13.MAY.2023 11:41:05





### 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

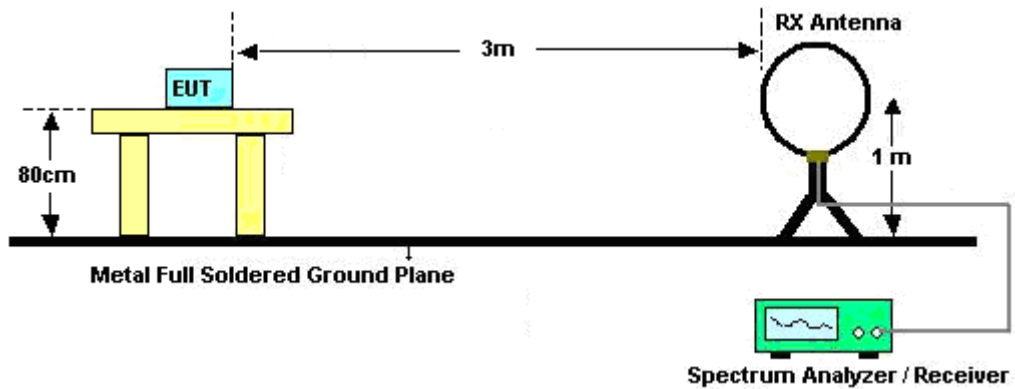
against QP limit line, the position is marked as “-”.

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.

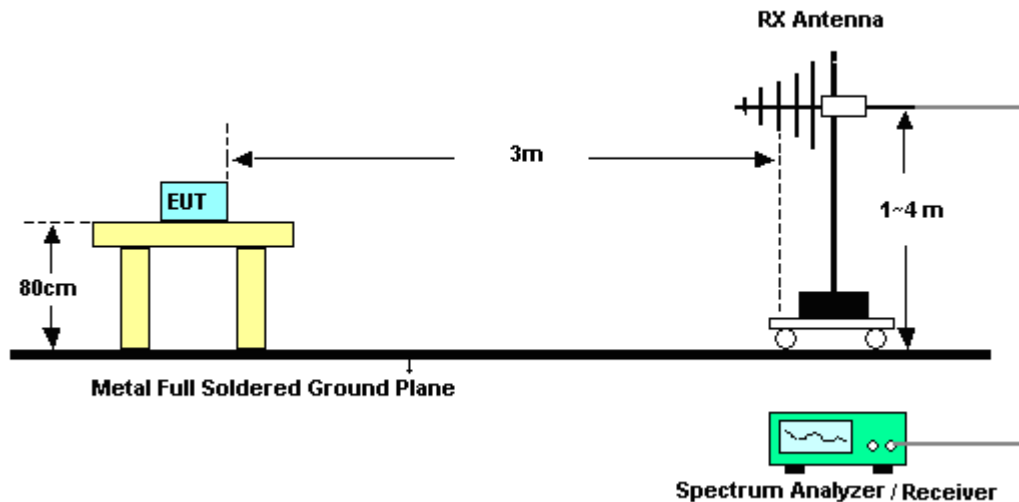
When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

### 3.4.4 Test Setup

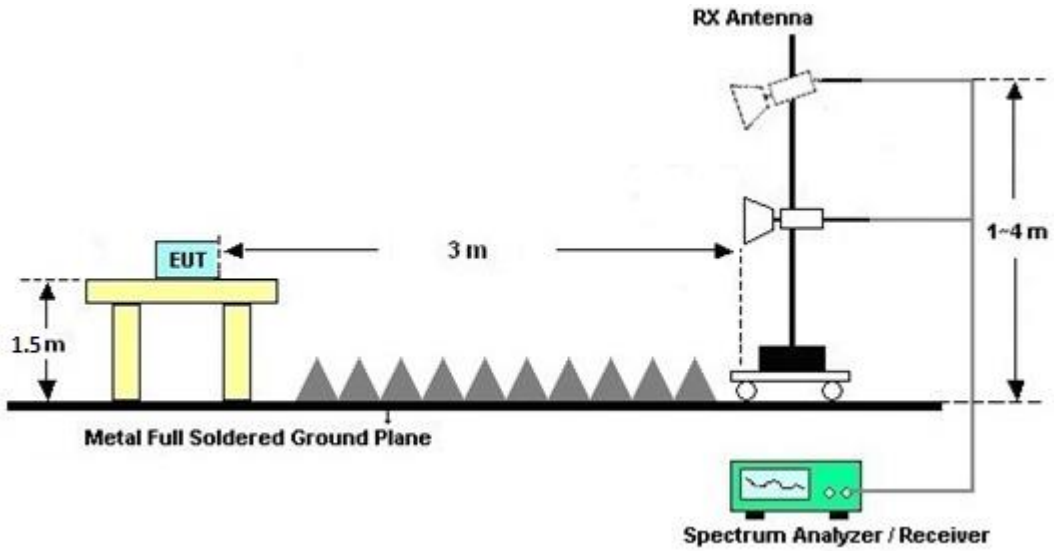
For radiated emissions below 30MHz



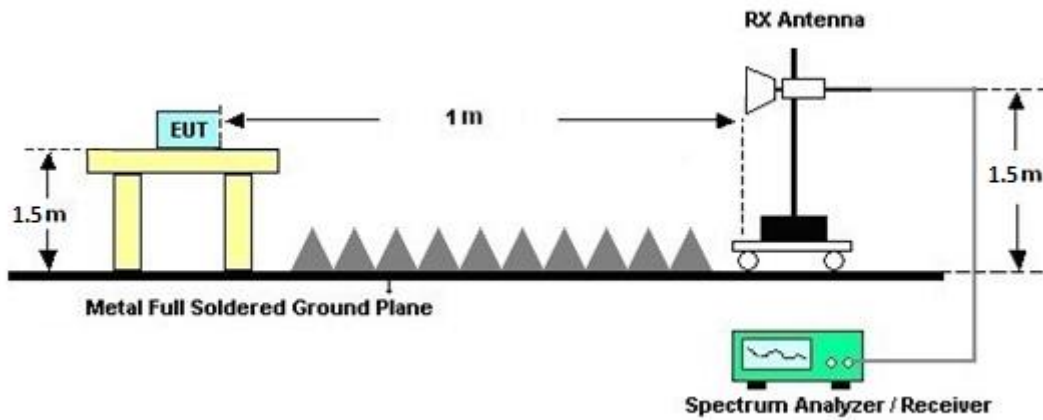
For radiated emissions from 30MHz to 1GHz



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 $\mu$ 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.

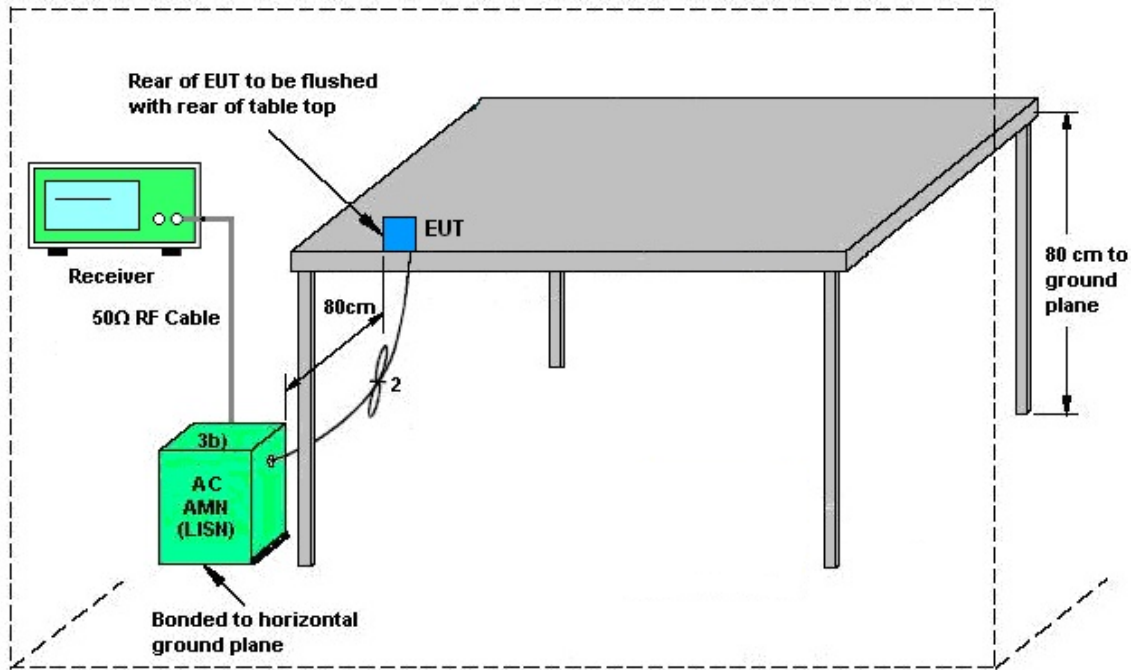
#### 3.5.2 Measuring Instruments

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



AMN = Artificial mains network (LISN)  
AE = Associated equipment  
EUT = Equipment under test  
ISN = Impedance stabilization network

### 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
Hygrometer	TECEPEL	DTM-303A	TP201996	N/A	Nov. 17, 2022	May 04, 2023 Jun. 08, 2023	Nov. 16, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 12 (NO:113)	10MHz~6GHz	Dec. 13, 2022	May 04, 2023 Jun. 08, 2023	Dec. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz(amp)	Aug. 03, 2022	May 04, 2023 Jun. 08, 2023	Aug. 02, 2023	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	May 29, 2023~ May 30, 2023	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	May 29, 2023~ May 30, 2023	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 01, 2022	May 29, 2023~ May 30, 2023	Oct. 31, 2023	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 15, 2023	May 29, 2023~ May 30, 2023	Mar. 14, 2024	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 05, 2023	May 29, 2023~ May 30, 2023	Mar. 04, 2024	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 13, 2023	May 29, 2023~ May 30, 2023	Mar. 12, 2024	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Oct. 06, 2022	May 29, 2023~ May 30, 2023	Oct. 05, 2023	Conduction (CO07-HY)
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	May 10, 2023~ Jun. 14, 2023	Sep. 19, 2023	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 08, 2022	May 10, 2023~ Jun. 14, 2023	Oct. 07, 2023	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Aug. 24, 2022	May 10, 2023~ Jun. 14, 2023	Aug. 23, 2023	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00994	18GHz~40GHz	Nov. 04, 2022	May 10, 2023~ Jun. 14, 2023	Nov. 03, 2022	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 09, 2022	May 10, 2023~ Jun. 14, 2023	Dec. 08, 2023	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 09, 2022	May 10, 2023~ Jun. 14, 2023	Nov. 08, 2023	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JPA0118-55-30 3	17100018000 54001	1GHz~18GHz	Oct. 06, 2022	May 10, 2023~ Jun. 14, 2023	Oct. 05, 2023	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 28, 2022	May 10, 2023~ Jun. 14, 2023	Jun. 27, 2023	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 07, 2022	May 10, 2023~ Jun. 14, 2023	Oct. 06, 2023	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 18, 2022	May 10, 2023~ Jun. 14, 2023	Oct. 17, 2023	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	May 10, 2023~ Jun. 14, 2023	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	May 10, 2023~ Jun. 14, 2023	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	May 10, 2023~ Jun. 14, 2023	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	May 10, 2023~ Jun. 14, 2023	N/A	Radiation (03CH11-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz~40GHz	Mar. 07, 2023	May 10, 2023~Jun. 14, 2023	Mar. 06, 2024	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801595/2	30MHz~40GHz	Mar. 07, 2023	May 10, 2023~Jun. 14, 2023	Mar. 06, 2024	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 07, 2023	May 10, 2023~Jun. 14, 2023	Mar. 06, 2024	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 07, 2023	May 10, 2023~Jun. 14, 2023	Mar. 06, 2024	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1.53G Low Pass	Sep. 12, 2022	May 10, 2023~Jun. 14, 2023	Sep. 11, 2023	Radiation (03CH11-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN3	3GHz High Pass Filter	Sep. 12, 2022	May 10, 2023~Jun. 14, 2023	Sep. 11, 2023	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40SS	SN3	6.75GHz High Pass Filter	Sep. 12, 2022	May 10, 2023~Jun. 14, 2023	Sep. 11, 2023	Radiation (03CH11-HY)
Filter	Wainwright	WHKX12-900-1000-15000-60SS	SN12	1GHz High Pass Filter	Sep. 12, 2022	May 10, 2023~Jun. 14, 2023	Sep. 11, 2023	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP140325	N/A	Nov. 07, 2022	May 10, 2023~Jun. 14, 2023	Nov. 06, 2023	Radiation (03CH11-HY)



## 5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.46 dB
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	6.3 dB
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.4 dB
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### Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.8 dB
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.3 dB
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**Appendix A. Test Result of Conducted Test Items**

Test Engineer:	Benny Ku	Temperature:	21~25	°C
Test Date:	2023/5/4~2023/6/8	Relative Humidity:	51~54	%

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

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	149	5745	16.48	16.58	19.68	25.56	16.40	16.45	0.5	Pass
11a	6Mbps	2	157	5785	16.43	16.43	19.50	19.86	16.15	16.45	0.5	Pass
11a	6Mbps	2	165	5825	16.53	16.48	20.22	21.00	16.40	16.40	0.5	Pass

**TEST RESULTS DATA**  
**Average Power Table**

U-NII-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 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	149	5745	18.30	19.10	21.73	30.00		4.10		Pass
11a	6Mbps	2	157	5785	18.10	18.90	21.53	30.00		4.10		Pass
11a	6Mbps	2	165	5825	18.30	19.30	21.84	30.00		4.10		Pass
HT20	MCS0	2	149	5745	17.80	18.80	21.34	30.00		4.10		Pass
HT20	MCS0	2	157	5785	18.20	19.10	21.68	30.00		4.10		Pass
HT20	MCS0	2	165	5825	18.10	19.10	21.64	30.00		4.10		Pass
HT40	MCS0	2	151	5755	17.80	18.90	21.40	30.00		4.10		Pass
HT40	MCS0	2	159	5795	17.70	18.80	21.30	30.00		4.10		Pass
VHT20	MCS0	2	149	5745	17.90	18.90	21.44	30.00		4.10		Pass
VHT20	MCS0	2	157	5785	18.30	19.20	21.78	30.00		4.10		Pass
VHT20	MCS0	2	165	5825	18.20	19.20	21.74	30.00		4.10		Pass
VHT40	MCS0	2	151	5755	17.90	19.00	21.50	30.00		4.10		Pass
VHT40	MCS0	2	159	5795	17.80	18.90	21.40	30.00		4.10		Pass
VHT80	MCS0	2	155	5775	16.90	17.90	20.44	30.00		4.10		Pass

**TEST RESULTS DATA**  
**Power Spectral Density**

U-NII-3 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	149	5745	2.22	7.05	7.97	10.98	29.38	6.62	Pass			
11a	6Mbps	2	157	5785	2.22	7.13	7.88	10.89	29.38	6.62	Pass			
11a	6Mbps	2	165	5825	2.22	7.26	7.99	11.00	29.38	6.62	Pass			

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

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

U-NII-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 1	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	149	5745	Full	18.88	19.03	21.66	24.66	18.65	18.95	0.5	Pass
HE20	MCS0	2	157	5785	Full	18.98	19.03	21.90	23.88	18.80	18.55	0.5	Pass
HE20	MCS0	2	165	5825	Full	18.98	18.98	21.54	22.98	18.95	18.80	0.5	Pass
HE40	MCS0	2	151	5755	Full	38.16	38.06	40.44	41.40	38.07	37.80	0.5	Pass
HE40	MCS0	2	159	5795	Full	37.96	38.06	40.32	40.68	37.89	37.98	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.20	77.32	83.52	83.28	75.68	77.76	0.5	Pass



**TEST RESULTS DATA**  
**Average Power Table**

U-NII-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 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	149	5745	Full	18.00	19.00	21.54	30.00		4.10		Pass
HE20	MCS0	2	149	5745	26/0	8.70	9.80	12.30	30.00		4.10		Pass
HE20	MCS0	2	149	5745	52/37	11.40	12.80	15.17	30.00		4.10		Pass
HE20	MCS0	2	149	5745	106/53	15.00	15.80	18.43	30.00		4.10		Pass
HE20	MCS0	2	157	5785	Full	18.40	19.30	21.88	30.00		4.10		Pass
HE20	MCS0	2	157	5785	26/4	8.50	9.50	12.04	30.00		4.10		Pass
HE20	MCS0	2	157	5785	52/38	11.30	12.70	15.07	30.00		4.10		Pass
HE20	MCS0	2	157	5785	106/53	14.90	15.80	18.38	30.00		4.10		Pass
HE20	MCS0	2	165	5825	Full	18.30	19.30	21.84	30.00		4.10		Pass
HE20	MCS0	2	165	5825	26/8	8.60	9.70	12.20	30.00		4.10		Pass
HE20	MCS0	2	165	5825	52/40	11.60	12.80	15.25	30.00		4.10		Pass
HE20	MCS0	2	165	5825	106/54	14.60	15.40	18.03	30.00		4.10		Pass
HE40	MCS0	2	151	5755	Full	18.00	19.10	21.60	30.00		4.10		Pass
HE40	MCS0	2	159	5795	Full	17.90	19.00	21.50	30.00		4.10		Pass
HE80	MCS0	2	155	5775	Full	17.00	18.00	20.54	30.00		4.10		Pass

**TEST RESULTS DATA**  
**Power Spectral Density**

U-NII-3 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	149	5745	Full	2.22	7.13	7.84	10.85	29.38	6.62	Pass			
HE20	MCS0	2	149	5745	26/0	2.22	4.90	6.69	9.70	29.38	6.62	Pass			
HE20	MCS0	2	149	5745	52/37	2.22	4.81	6.40	9.41	29.38	6.62	Pass			
HE20	MCS0	2	149	5745	106/53	2.22	5.32	6.38	9.39	29.38	6.62	Pass			
HE20	MCS0	2	157	5785	Full	2.22	7.77	8.51	11.52	29.38	6.62	Pass			
HE20	MCS0	2	157	5785	26/4	2.22	5.03	5.82	8.83	29.38	6.62	Pass			
HE20	MCS0	2	165	5825	Full	2.22	7.27	8.62	11.63	29.38	6.62	Pass			
HE20	MCS0	2	165	5825	26/8	2.22	5.48	6.13	9.14	29.38	6.62	Pass			
HE20	MCS0	2	165	5825	52/40	2.22	5.35	5.84	8.85	29.38	6.62	Pass			
HE20	MCS0	2	165	5825	106/54	2.22	5.34	6.41	9.42	29.38	6.62	Pass			
HE40	MCS0	2	151	5755	Full	2.22	4.16	5.02	8.03	29.38	6.62	Pass			
HE40	MCS0	2	159	5795	Full	2.22	4.38	4.88	7.89	29.38	6.62	Pass			
HE80	MCS0	2	155	5775	Full	2.22	1.61	2.33	5.34	29.38	6.62	Pass			

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)



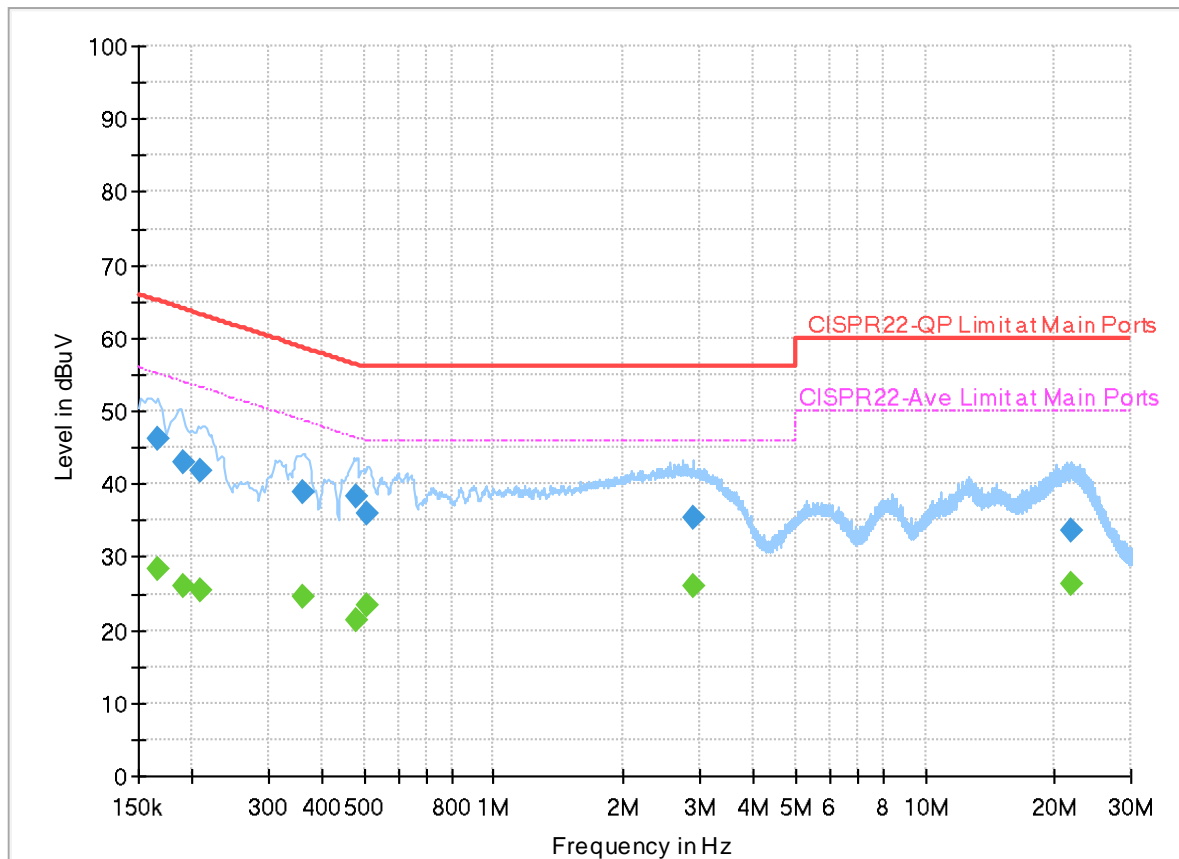
## Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	23.5~25.1°C
		Relative Humidity :	52.3~68.9%

## EUT Information

Report NO : 261607-06  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



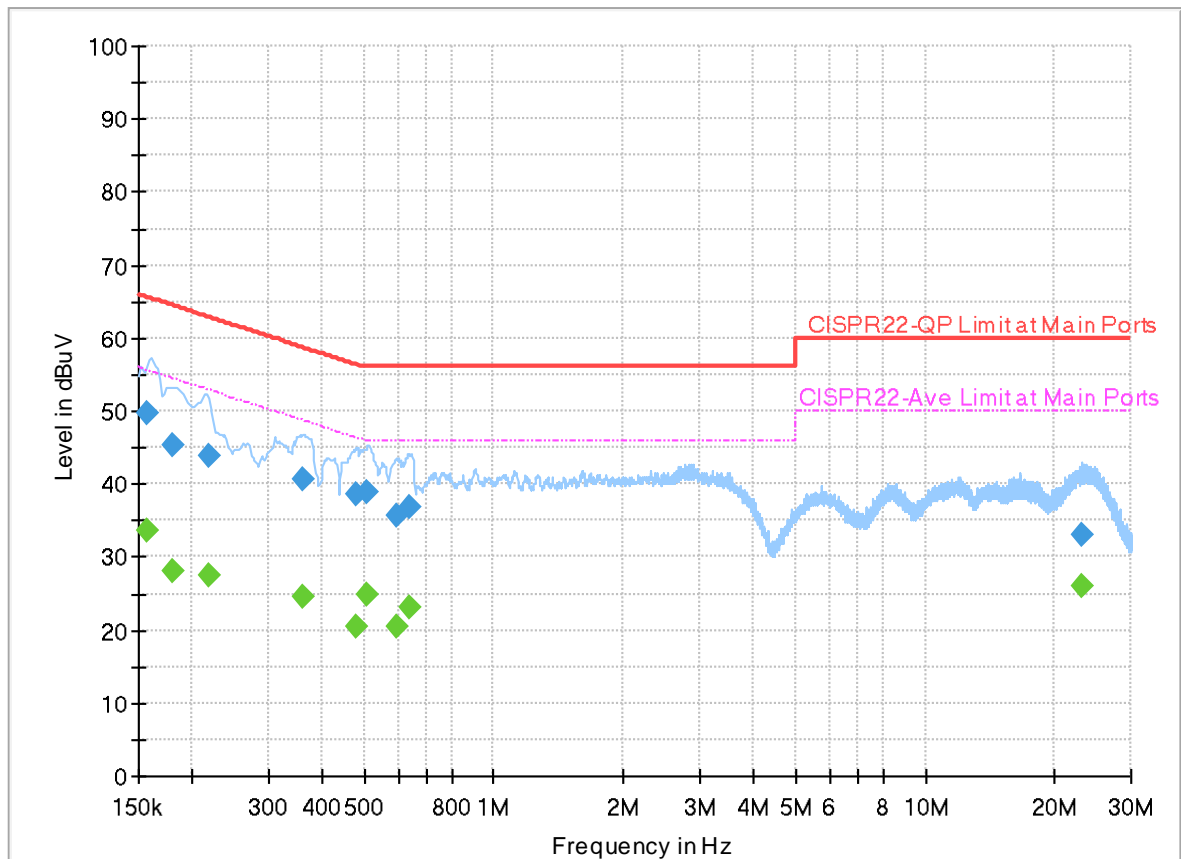
## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.166920	---	28.37	55.11	26.74	L1	OFF	19.9
0.166920	46.10	---	65.11	19.01	L1	OFF	19.9
0.190320	---	26.08	54.02	27.94	L1	OFF	19.9
0.190320	42.85	---	64.02	21.17	L1	OFF	19.9
0.209850	---	25.42	53.21	27.79	L1	OFF	20.0
0.209850	41.84	---	63.21	21.37	L1	OFF	20.0
0.359250	---	24.61	48.75	24.14	L1	OFF	20.0
0.359250	38.91	---	58.75	19.84	L1	OFF	20.0
0.478500	---	21.44	46.37	24.93	L1	OFF	20.0
0.478500	38.29	---	56.37	18.08	L1	OFF	20.0
0.505410	---	23.44	46.00	22.56	L1	OFF	20.0
0.505410	35.95	---	56.00	20.05	L1	OFF	20.0
2.900670	---	26.00	46.00	20.00	L1	OFF	20.0
2.900670	35.39	---	56.00	20.61	L1	OFF	20.0
21.924960	---	26.34	50.00	23.66	L1	OFF	20.2
21.924960	33.66	---	60.00	26.34	L1	OFF	20.2

# EUT Information

Report NO : 261607-06  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Neutral

Full Spectrum



## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	33.75	55.63	21.88	N	OFF	20.0
0.156750	49.64	---	65.63	15.99	N	OFF	20.0
0.179250	---	28.11	54.52	26.41	N	OFF	20.0
0.179250	45.33	---	64.52	19.19	N	OFF	20.0
0.217500	---	27.37	52.91	25.54	N	OFF	20.0
0.217500	43.80	---	62.91	19.11	N	OFF	20.0
0.361500	---	24.54	48.69	24.15	N	OFF	20.0
0.361500	40.77	---	58.69	17.92	N	OFF	20.0
0.481920	---	20.34	46.31	25.97	N	OFF	20.0
0.481920	38.69	---	56.31	17.62	N	OFF	20.0
0.510090	---	24.79	46.00	21.21	N	OFF	20.0
0.510090	38.88	---	56.00	17.12	N	OFF	20.0
0.593520	---	20.57	46.00	25.43	N	OFF	20.0
0.593520	35.58	---	56.00	20.42	N	OFF	20.0
0.638970	---	23.08	46.00	22.92	N	OFF	20.0
0.638970	36.89	---	56.00	19.11	N	OFF	20.0
23.212230	---	26.12	50.00	23.88	N	OFF	20.2
23.212230	33.01	---	60.00	26.99	N	OFF	20.2



## Appendix C. Radiated Spurious Emission

Test Engineer :	Yuan Lee, JC Liang and Troye Hsieh	Temperature :	17.9~25.9°C
		Relative Humidity :	51.1~67.1%



**Band 4 - 5725~5850MHz**

**WIFI 802.11a (Band Edge @ 3m)**

WIFI Ant. 0+1	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 149 5745MHz		5643.2	54.31	-13.89	68.2	43.62	33.09	11.23	33.63	198	4	P	H	
		5697.8	56.76	-46.82	103.58	45.64	33.48	11.28	33.64	198	4	P	H	
		5718	73.17	-37.07	110.24	61.9	33.61	11.3	33.64	198	4	P	H	
		5723.2	78.53	-39.57	118.1	67.23	33.64	11.3	33.64	198	4	P	H	
	*	5745	119.65	-	-	108.2	33.77	11.32	33.64	198	4	P	H	
	*	5745	112.63	-	-	101.18	33.77	11.32	33.64	198	4	A	H	
														H
														H
			5647.2	52.25	-15.95	68.2	41.56	33.09	11.23	33.63	400	52	P	V
			5694.6	52.62	-48.6	101.22	41.52	33.46	11.28	33.64	400	52	P	V
			5719.6	68.11	-42.58	110.69	56.83	33.62	11.3	33.64	400	52	P	V
			5724.6	74.93	-46.36	121.29	63.62	33.65	11.3	33.64	400	52	P	V
	*		5745	114.34	-	-	102.89	33.77	11.32	33.64	400	52	P	V
	*		5745	107.13	-	-	95.68	33.77	11.32	33.64	400	52	A	V
														V
														V



WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
		5641.75	52.24	-15.96	68.2	41.56	33.08	11.23	33.63	169	5	P	H
		5652.25	54.68	-15.19	69.87	43.95	33.12	11.24	33.63	169	5	P	H
		5714.25	60.54	-48.65	109.19	49.3	33.59	11.29	33.64	169	5	P	H
		5720	60.53	-50.27	110.8	49.25	33.62	11.3	33.64	169	5	P	H
	*	5785	120.19	-	-	108.46	34.01	11.36	33.64	169	5	P	H
	*	5785	112.85	-	-	101.12	34.01	11.36	33.64	169	5	A	H
		5850.25	59.41	-62.22	121.63	47.63	34.1	11.33	33.65	169	5	P	H
		5855.75	58.63	-51.96	110.59	46.83	34.12	11.33	33.65	169	5	P	H
		5888.5	53.45	-41.73	95.18	41.55	34.25	11.3	33.65	169	5	P	H
		5925	53.17	-15.03	68.2	41.24	34.3	11.28	33.65	169	5	P	H
													H
													H
<b>802.11a</b>													
<b>CH 157</b>													
<b>5785MHz</b>		5629.25	51.59	-16.61	68.2	40.94	33.06	11.22	33.63	395	52	P	V
		5698.75	52.87	-51.41	104.28	41.74	33.49	11.28	33.64	395	52	P	V
		5716.5	54.98	-54.84	109.82	43.73	33.6	11.29	33.64	395	52	P	V
		5720.25	56.51	-54.86	111.37	45.23	33.62	11.3	33.64	395	52	P	V
	*	5785	114.25	-	-	102.52	34.01	11.36	33.64	395	52	P	V
	*	5785	107.04	-	-	95.31	34.01	11.36	33.64	395	52	A	V
		5851.25	56.21	-63.14	119.35	44.43	34.1	11.33	33.65	395	52	P	V
		5855.75	55.55	-55.04	110.59	43.75	34.12	11.33	33.65	395	52	P	V
		5881.75	53.23	-46.96	100.19	41.34	34.23	11.31	33.65	395	52	P	V
		5949.75	52.73	-15.47	68.2	40.83	34.3	11.26	33.66	395	52	P	V
													V
													V





WiFi Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11a CH 165 5825MHz	*	5825	118.58	-	-	106.78	34.1	11.35	33.65	168	5	P	H	
	*	5825	111.95	-	-	100.15	34.1	11.35	33.65	168	5	A	H	
		5850.8	75.35	-45.03	120.38	63.57	34.1	11.33	33.65	168	5	P	H	
		5856.6	69.82	-40.53	110.35	58.01	34.13	11.33	33.65	168	5	P	H	
		5875.2	63.1	-41.95	105.05	51.24	34.2	11.31	33.65	168	5	P	H	
		5932.6	54.05	-14.15	68.2	42.13	34.3	11.27	33.65	168	5	P	H	
														H
														H
	*	5825	113.52	-	-	101.72	34.1	11.35	33.65	388	58	P	V	
	*	5825	106.54	-	-	94.74	34.1	11.35	33.65	388	58	A	V	
		5850.8	66.6	-53.78	120.38	54.82	34.1	11.33	33.65	388	58	P	V	
		5856.2	63.28	-47.18	110.46	51.48	34.12	11.33	33.65	388	58	P	V	
		5875.8	56.45	-48.16	104.61	44.59	34.2	11.31	33.65	388	58	P	V	
		5928.2	53.37	-14.83	68.2	41.45	34.3	11.27	33.65	388	58	P	V	
														V
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 4 5725~5850MHz**

**WIFI 802.11a (Harmonic @ 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+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11a CH 149 5745MHz		8034	50.54	-23.46	74	56.27	37	15.73	58.46	200	300	P	H	
		8034	47.27	-6.73	54	53	37	15.73	58.46	200	300	A	H	
		11490	47.79	-26.21	74	51.78	39.21	18.44	61.64	-	-	P	H	
		17235	47.9	-20.3	68.2	44.29	38.26	23.25	57.9	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			8034	49.48	-24.52	74	55.21	37	15.73	58.46	400	250	P	V
			8034	46.32	-7.68	54	52.05	37	15.73	58.46	400	250	A	V
			11490	47.09	-26.91	74	51.08	39.21	18.44	61.64	-	-	P	V
			17235	47.3	-20.9	68.2	43.69	38.26	23.25	57.9	-	-	P	V
														V
														V
														V
													V	
													V	
													V	



WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11a CH 157 5785MHz		8100	48.27	-25.73	74	54.09	36.9	15.7	58.42	201	311	P	H	
		8100	43.36	-10.64	54	49.18	36.9	15.7	58.42	201	311	A	H	
		11570	46.86	-27.14	74	51.15	38.99	18.5	61.78	-	-	P	H	
		17355	46.68	-21.52	68.2	42.46	38.42	23.31	57.51	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			8100	47.16	-26.84	74	52.98	36.9	15.7	58.42	382	222	P	V
			8100	44.2	-9.8	54	50.02	36.9	15.7	58.42	382	222	A	V
			11570	47.24	-26.76	74	51.53	38.99	18.5	61.78	-	-	P	V
			17355	45.54	-22.66	68.2	41.32	38.42	23.31	57.51	-	-	P	V
														V
														V
														V
													V	
													V	
													V	



WiFi Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11a CH 165 5825MHz		7770	51.46	-16.74	68.2	57.89	36.64	15.51	58.58	200	333	P	H	
		11650	46.76	-27.24	74	51.34	38.8	18.55	61.93	-	-	P	H	
		17475	46.24	-21.96	68.2	41.24	38.75	23.37	57.12	-	-	P	H	
													H	
													H	
													H	
														H
														H
														H
														H
														H
			7770	52.09	-16.11	68.2	58.52	36.64	15.51	58.58	398	244	P	V
			11650	46.53	-27.47	74	51.11	38.8	18.55	61.93	-	-	P	V
			17475	46.71	-21.49	68.2	41.71	38.75	23.37	57.12	-	-	P	V
														V
														V
														V
														V
														V
													V	
													V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													



**Band 4 5725~5850MHz**

**WIFI 802.11ax HE20\_Full (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+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Full CH 149 5745MHz		5650	55.66	-12.54	68.2	44.96	33.1	11.23	33.63	267	0	P	H	
		5698.2	70.54	-33.33	103.87	59.41	33.49	11.28	33.64	267	0	P	H	
		5720	81.02	-29.78	110.8	69.74	33.62	11.3	33.64	267	0	P	H	
		5725	84.39	-37.81	122.2	73.08	33.65	11.3	33.64	267	0	P	H	
	*	5745	119.53	-	-	108.08	33.77	11.32	33.64	267	0	P	H	
	*	5745	112.38	-	-	100.93	33.77	11.32	33.64	267	0	A	H	
														H
														H
			5623.4	53.36	-14.84	68.2	42.73	33.05	11.21	33.63	400	53	P	V
			5699.2	63.35	-41.26	104.61	52.22	33.49	11.28	33.64	400	53	P	V
			5717.8	72.89	-37.29	110.18	61.62	33.61	11.3	33.64	400	53	P	V
			5723.4	79.73	-38.82	118.55	68.43	33.64	11.3	33.64	400	53	P	V
	*		5745	116.89	-	-	105.44	33.77	11.32	33.64	400	53	P	V
	*		5745	107	-	-	95.55	33.77	11.32	33.64	400	53	A	V
													V	
													V	



WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
		5631.25	53.04	-15.16	68.2	42.39	33.06	11.22	33.63	175	6	P	H
		5693.25	53.97	-46.25	100.22	42.89	33.45	11.27	33.64	175	6	P	H
		5712.5	55.02	-53.68	108.7	43.79	33.58	11.29	33.64	175	6	P	H
		5722.5	55.68	-60.82	116.5	44.39	33.63	11.3	33.64	175	6	P	H
	*	5785	119.44	-	-	107.71	34.01	11.36	33.64	175	6	P	H
	*	5785	112.48	-	-	100.75	34.01	11.36	33.64	175	6	A	H
		5853	54.71	-60.65	115.36	42.92	34.11	11.33	33.65	175	6	P	H
		5859.75	54.53	-54.94	109.47	42.71	34.14	11.33	33.65	175	6	P	H
		5876.5	54.9	-49.19	104.09	43.03	34.21	11.31	33.65	175	6	P	H
		5935.5	53.02	-15.18	68.2	41.1	34.3	11.27	33.65	175	6	P	H
													H
<b>802.11ax</b>													H
<b>HE20 Full</b>													H
<b>CH 157</b>		5626.5	51.96	-16.24	68.2	41.33	33.05	11.21	33.63	395	52	P	V
<b>5785MHz</b>		5668.75	52.91	-29.2	82.11	42.04	33.25	11.25	33.63	395	52	P	V
		5720	52.56	-58.24	110.8	41.28	33.62	11.3	33.64	395	52	P	V
		5720.25	53.06	-58.31	111.37	41.78	33.62	11.3	33.64	395	52	P	V
	*	5785	114.71	-	-	102.98	34.01	11.36	33.64	395	52	P	V
	*	5785	106.88	-	-	95.15	34.01	11.36	33.64	395	52	A	V
		5853.5	52.59	-61.63	114.22	40.8	34.11	11.33	33.65	395	52	P	V
		5867.75	53.53	-53.7	107.23	41.69	34.17	11.32	33.65	395	52	P	V
		5897.25	53.2	-35.5	88.7	41.26	34.29	11.3	33.65	395	52	P	V
		5929.5	52.47	-15.73	68.2	40.55	34.3	11.27	33.65	395	52	P	V
													V
													V



WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Full CH 165 5825MHz	*	5825	119.04	-	-	107.24	34.1	11.35	33.65	165	3	P	H	
	*	5825	111.61	-	-	99.81	34.1	11.35	33.65	165	3	A	H	
		5850.2	77.3	-44.44	121.74	65.52	34.1	11.33	33.65	165	3	P	H	
		5857	71.02	-39.22	110.24	59.21	34.13	11.33	33.65	165	3	P	H	
		5878.8	62.94	-39.44	102.38	51.06	34.22	11.31	33.65	165	3	P	H	
		5932.4	52.79	-15.41	68.2	40.87	34.3	11.27	33.65	165	3	P	H	
														H
														H
	*	5825	113.7	-	-	101.9	34.1	11.35	33.65	388	58	P	V	
	*	5825	106.28	-	-	94.48	34.1	11.35	33.65	388	58	A	V	
		5851.6	68.37	-50.18	118.55	56.58	34.11	11.33	33.65	388	58	P	V	
		5855.4	66.75	-43.94	110.69	54.95	34.12	11.33	33.65	388	58	P	V	
		5886.4	58.07	-38.67	96.74	46.16	34.25	11.31	33.65	388	58	P	V	
		5939.8	52.94	-15.26	68.2	41.03	34.3	11.27	33.66	388	58	P	V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 4 5725~5850MHz**

**WIFI 802.11ax HE20 Full (Harmonic @ 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+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ax HE20 Full CH 149 5745MHz		11490	46.58	-27.42	74	50.57	39.21	18.44	61.64	-	-	P	H
		17235	46.9	-21.3	68.2	43.29	38.26	23.25	57.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	47.08	-26.92	74	51.07	39.21	18.44	61.64	-	-	P	V
		17235	46.47	-21.73	68.2	42.86	38.26	23.25	57.9	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V





WiFi Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Full CH 157 5785MHz		11570	47	-27	74	51.29	38.99	18.5	61.78	-	-	P	H	
		17355	44.84	-23.36	68.2	40.62	38.42	23.31	57.51	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11570	47.42	-26.58	74	51.71	38.99	18.5	61.78	-	-	P	V
			17355	45.27	-22.93	68.2	41.05	38.42	23.31	57.51	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	



WiFi Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ax HE20 Full CH 165 5825MHz		11650	46.44	-27.56	74	51.02	38.8	18.55	61.93	-	-	P	H
		17475	46.67	-21.53	68.2	41.67	38.75	23.37	57.12	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
	802.11ax HE20 Full CH 165 5825MHz		11650	46.82	-27.18	74	51.4	38.8	18.55	61.93	-	-	P
		17475	46.26	-21.94	68.2	41.26	38.75	23.37	57.12	-	-	P	V
													V
													V
													V
													V
													V
													V
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Remark		<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>											



**Band 4 5725~5850MHz**

**WIFI 802.11ax HE20\_Partial 26 (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+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Partial 26/0 CH 149 5745MHz		5644.8	52.28	-15.92	68.2	41.59	33.09	11.23	33.63	185	23	P	H	
		5665.2	52.27	-27.21	79.48	41.43	33.22	11.25	33.63	185	23	P	H	
		5718.4	53.19	-57.16	110.35	41.92	33.61	11.3	33.64	185	23	P	H	
		5720	51.87	-58.93	110.8	40.59	33.62	11.3	33.64	185	23	P	H	
	*	5745	117.76	-	-	106.31	33.77	11.32	33.64	185	23	P	H	
	*	5745	110.22	-	-	98.77	33.77	11.32	33.64	185	23	A	H	
														H
														H
			5644.6	52.23	-15.97	68.2	41.54	33.09	11.23	33.63	400	124	P	V
			5694.8	52.05	-49.32	101.37	40.95	33.46	11.28	33.64	400	124	P	V
			5707.6	51.74	-55.59	107.33	40.54	33.55	11.29	33.64	400	124	P	V
			5720.6	52.23	-59.94	112.17	40.95	33.62	11.3	33.64	400	124	P	V
		*	5745	107.98	-	-	96.53	33.77	11.32	33.64	400	124	P	V
		*	5745	100.52	-	-	89.07	33.77	11.32	33.64	400	124	A	V
													V	
													V	



WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
		5613.5	52.13	-16.07	68.2	41.53	33.03	11.2	33.63	166	24	P	H
		5661.75	52.29	-24.63	76.92	41.48	33.19	11.25	33.63	166	24	P	H
		5718.5	52.27	-58.11	110.38	41	33.61	11.3	33.64	166	24	P	H
		5722.25	51.58	-64.35	115.93	40.29	33.63	11.3	33.64	166	24	P	H
	*	5785	114.5	-	-	102.77	34.01	11.36	33.64	166	24	P	H
	*	5785	108.75	-	-	97.02	34.01	11.36	33.64	166	24	A	H
		5855	52.62	-58.18	110.8	40.82	34.12	11.33	33.65	166	24	P	H
		5873.75	53.49	-52.06	105.55	41.64	34.19	11.31	33.65	166	24	P	H
		5889	52.92	-41.89	94.81	41.01	34.26	11.3	33.65	166	24	P	H
		5947	52.72	-15.48	68.2	40.82	34.3	11.26	33.66	166	24	P	H
802.11ax													H
HE20													H
Partial 26/4													
CH 157		5637	51.03	-17.17	68.2	40.37	33.07	11.22	33.63	205	123	P	V
5785MHz		5688.5	51.8	-44.92	96.72	40.76	33.41	11.27	33.64	205	123	P	V
		5709.25	51.55	-56.24	107.79	40.34	33.56	11.29	33.64	205	123	P	V
		5722.75	51.69	-65.38	117.07	40.39	33.64	11.3	33.64	205	123	P	V
	*	5785	109.39	-	-	97.66	34.01	11.36	33.64	205	123	P	V
	*	5785	101.83	-	-	90.1	34.01	11.36	33.64	205	123	A	V
		5851.5	53.39	-65.39	118.78	41.6	34.11	11.33	33.65	205	123	P	V
		5869	53.61	-53.27	106.88	41.76	34.18	11.32	33.65	205	123	P	V
		5893.75	53.95	-37.34	91.29	42.03	34.27	11.3	33.65	205	123	P	V
		5949.5	52.52	-15.68	68.2	40.62	34.3	11.26	33.66	205	123	P	V
													V
													V



WiFi Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Partial 26/8 CH 165 5825MHz	*	5825	117.95	-	-	106.15	34.1	11.35	33.65	182	0	P	H	
	*	5825	109.44	-	-	97.64	34.1	11.35	33.65	182	0	A	H	
		5854.2	53.02	-59.6	112.62	41.22	34.12	11.33	33.65	182	0	P	H	
		5869.2	53.11	-53.71	106.82	41.26	34.18	11.32	33.65	182	0	P	H	
		5894	53.51	-37.59	91.1	41.58	34.28	11.3	33.65	182	0	P	H	
		5936.8	53	-15.2	68.2	41.08	34.3	11.27	33.65	182	0	P	H	
														H
														H
	*	5825	108.31	-	-	96.51	34.1	11.35	33.65	213	114	P	V	
	*	5825	99.72	-	-	87.92	34.1	11.35	33.65	213	114	A	V	
		5851	52.45	-67.47	119.92	40.67	34.1	11.33	33.65	213	114	P	V	
		5870.8	54.07	-52.3	106.37	42.22	34.18	11.32	33.65	213	114	P	V	
		5877.6	53.28	-49.99	103.27	41.41	34.21	11.31	33.65	213	114	P	V	
		5929.6	52.36	-15.84	68.2	40.44	34.3	11.27	33.65	213	114	P	V	
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 4 5725~5850MHz**

**WIFI 802.11ax HE20\_Partial 26 (Harmonic @ 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+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Partial 26/0 CH 149 5745MHz		8034	50.57	-23.43	74	56.3	37	15.73	58.46	200	307	P	H	
		8034	47.35	-6.65	54	53.08	37	15.73	58.46	200	307	A	H	
		11490	46.6	-27.4	74	50.59	39.21	18.44	61.64	-	-	P	H	
		17235	45.54	-22.66	68.2	41.93	38.26	23.25	57.9	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			8034	51.97	-22.03	74	57.7	37	15.73	58.46	388	238	P	V
			8034	48.87	-5.13	54	54.6	37	15.73	58.46	388	238	A	V
			11490	47.37	-26.63	74	51.36	39.21	18.44	61.64	-	-	P	V
			17235	46.77	-21.43	68.2	43.16	38.26	23.25	57.9	-	-	P	V
														V
														V
													V	
													V	
													V	
													V	



WiFi Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ax HE20 Partial 26/4 CH 157 5785MHz		11570	47.37	-26.63	74	51.66	38.99	18.5	61.78	-	-	P	H
		17355	45.08	-23.12	68.2	40.86	38.42	23.31	57.51	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			11570	47.17	-26.83	74	51.46	38.99	18.5	61.78	-	-	P
		17355	45.23	-22.97	68.2	41.01	38.42	23.31	57.51	-	-	P	V
													V
													V
													V
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													V



WiFi Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
i802.11ax HE20 Partial 26/8 CH 165 5825MHz		7770	52.86	-15.34	68.2	59.29	36.64	15.51	58.58	200	299	P	H	
		11650	47.08	-26.92	74	51.66	38.8	18.55	61.93	-	-	P	H	
		17475	47.25	-20.95	68.2	42.25	38.75	23.37	57.12	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			7770	53.46	-14.74	68.2	59.89	36.64	15.51	58.58	400	244	P	V
			11650	46.73	-27.27	74	51.31	38.8	18.55	61.93	-	-	P	V
			17475	46.29	-21.91	68.2	41.29	38.75	23.37	57.12	-	-	P	V
														V
														V
														V
														V
														V
													V	
													V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													





**Band 4 5725~5850MHz**

**WIFI 802.11ax HE20\_Partial 52 (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+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
<b>802.11ax HE20 Partial 52/37 CH 149 5745MHz</b>		5649.4	52.79	-15.41	68.2	42.09	33.1	11.23	33.63	250	15	P	H	
		5682.8	54.25	-38.26	92.51	43.26	33.36	11.26	33.63	250	15	P	H	
		5718.4	54.19	-56.16	110.35	42.92	33.61	11.3	33.64	250	15	P	H	
		5725	56.9	-65.3	122.2	45.59	33.65	11.3	33.64	250	15	P	H	
	*	5745	118.8	-	-	107.35	33.77	11.32	33.64	250	15	P	H	
	*	5745	111.67	-	-	100.22	33.77	11.32	33.64	250	15	A	H	
														H
														H
			5606.2	51.8	-16.4	68.2	41.22	33.01	11.2	33.63	250	128	P	V
			5698.2	52.34	-51.53	103.87	41.21	33.49	11.28	33.64	250	128	P	V
			5720	53.28	-57.52	110.8	42	33.62	11.3	33.64	250	128	P	V
			5720	53.28	-57.52	110.8	42	33.62	11.3	33.64	250	128	P	V
		*	5745	111.89	-	-	100.44	33.77	11.32	33.64	250	128	P	V
		*	5745	104.87	-	-	93.42	33.77	11.32	33.64	250	128	A	V
													V	
													V	



WiFi Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Partial 52/40 CH 165 5825MHz	*	5825	119.08	-	-	107.28	34.1	11.35	33.65	181	0	P	H	
	*	5825	111.24	-	-	99.44	34.1	11.35	33.65	181	0	A	H	
		5854	54.04	-59.04	113.08	42.24	34.12	11.33	33.65	181	0	P	H	
		5857.2	54.92	-55.26	110.18	43.11	34.13	11.33	33.65	181	0	P	H	
		5905	53.75	-29.21	82.96	41.81	34.3	11.29	33.65	181	0	P	H	
		5934.6	52.83	-15.37	68.2	40.91	34.3	11.27	33.65	181	0	P	H	
														H
														H
	*	5825	116.14	-	-	104.34	34.1	11.35	33.65	400	58	P	V	
	*	5825	106.32	-	-	94.52	34.1	11.35	33.65	400	58	A	V	
		5852	54.18	-63.46	117.64	42.39	34.11	11.33	33.65	400	58	P	V	
		5868.6	53.18	-53.81	106.99	41.34	34.17	11.32	33.65	400	58	P	V	
		5894.2	53.02	-37.93	90.95	41.09	34.28	11.3	33.65	400	58	P	V	
		5940	52.65	-15.55	68.2	40.74	34.3	11.27	33.66	400	58	P	V	
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 4 5725~5850MHz**

**WIFI 802.11ax HE20\_Partial 52 (Harmonic @ 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+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Partial 52/37 CH 149 5745MHz		8034	51.1	-22.9	74	56.83	37	15.73	58.46	188	310	P	H	
		8034	48.01	-5.99	54	53.74	37	15.73	58.46	188	310	A	H	
		11490	47.03	-26.97	74	51.02	39.21	18.44	61.64	-	-	P	H	
		17235	46.32	-21.88	68.2	42.71	38.26	23.25	57.9	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			8034	50.99	-23.01	74	56.72	37	15.73	58.46	400	240	P	V
			8034	47.95	-6.05	54	53.68	37	15.73	58.46	400	240	A	V
		11490	46.34	-27.66	74	50.33	39.21	18.44	61.64	-	-	P	V	
		17235	46.44	-21.76	68.2	42.83	38.26	23.25	57.9	-	-	P	V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	





**Band 4 5725~5850MHz**

**WIFI 802.11ax HE20\_Partial 106 (Band Edge @ 3m)**

WIFI Ant.	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 )	
<b>802.11ax HE20 Partial 106/53 CH 149 5745MHz</b>		5647.2	52.88	-15.32	68.2	42.19	33.09	11.23	33.63	168	0	P	H	
		5688	53.47	-42.88	96.35	42.44	33.4	11.27	33.64	168	0	P	H	
		5712.4	55.44	-53.23	108.67	44.22	33.57	11.29	33.64	168	0	P	H	
		5723.6	66	-53.01	119.01	54.7	33.64	11.3	33.64	168	0	P	H	
	*	5745	121.11	-	-	109.66	33.77	11.32	33.64	168	0	P	H	
	*	5745	111.85	-	-	100.4	33.77	11.32	33.64	168	0	A	H	
														H
														H
			5605.2	51.79	-16.41	68.2	41.22	33.01	11.19	33.63	400	52	P	V
			5699.6	52.69	-52.22	104.91	41.55	33.5	11.28	33.64	400	52	P	V
			5715	53.85	-55.55	109.4	42.61	33.59	11.29	33.64	400	52	P	V
			5724.6	60.48	-60.81	121.29	49.17	33.65	11.3	33.64	400	52	P	V
	*		5745	113.45	-	-	102	33.77	11.32	33.64	400	52	P	V
	*		5745	106.24	-	-	94.79	33.77	11.32	33.64	400	52	A	V
														V
													V	



WiFi Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Partial 106/54 CH 165 5825MHz	*	5825	118.07	-	-	106.27	34.1	11.35	33.65	253	0	P	H	
	*	5825	110.81	-	-	99.01	34.1	11.35	33.65	253	0	A	H	
		5853	63.3	-52.06	115.36	51.51	34.11	11.33	33.65	253	0	P	H	
		5861.4	55.11	-53.9	109.01	43.29	34.15	11.32	33.65	253	0	P	H	
		5876	54.15	-50.31	104.46	42.29	34.2	11.31	33.65	253	0	P	H	
		5949.2	52.87	-15.33	68.2	40.97	34.3	11.26	33.66	253	0	P	H	
														H
														H
	*	5825	114.4	-	-	102.6	34.1	11.35	33.65	400	60	P	V	
	*	5825	105.48	-	-	93.68	34.1	11.35	33.65	400	60	A	V	
		5853.4	59.26	-55.19	114.45	47.47	34.11	11.33	33.65	400	60	P	V	
		5862	53.34	-55.5	108.84	41.52	34.15	11.32	33.65	400	60	P	V	
		5883.8	53.88	-44.79	98.67	41.98	34.24	11.31	33.65	400	60	P	V	
		5929.4	53.88	-14.32	68.2	41.96	34.3	11.27	33.65	400	60	P	V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz

WIFI 802.11ax HE20\_Partial 106 (Harmonic @ 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+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Partial 106/53 CH 149 5745MHz		8043	51.52	-22.48	74	57.26	37	15.72	58.46	200	300	P	H	
		8043	48.49	-5.51	54	54.23	37	15.72	58.46	200	300	A	H	
		11490	46.83	-27.17	74	50.82	39.21	18.44	61.64	-	-	P	H	
		17235	45.97	-22.23	68.2	42.36	38.26	23.25	57.9	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			8043	52.37	-21.63	74	58.11	37	15.72	58.46	400	238	P	V
			8043	49.35	-4.65	54	55.09	37	15.72	58.46	400	238	A	V
		11490	47.15	-26.85	74	51.14	39.21	18.44	61.64	-	-	P	V	
		17235	46.62	-21.58	68.2	43.01	38.26	23.25	57.9	-	-	P	V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	







Band 4 5725~5850MHz

WIFI 802.11ax HE40\_Full (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+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
		5632.25	57.45	-10.75	68.2	46.8	33.06	11.22	33.63	273	7	P	H
		5698.25	71.48	-32.43	103.91	60.35	33.49	11.28	33.64	273	7	P	H
		5718	83.62	-26.62	110.24	72.35	33.61	11.3	33.64	273	7	P	H
		5720.5	85.76	-26.18	111.94	74.48	33.62	11.3	33.64	273	7	P	H
	*	5755	117.9	-	-	106.38	33.83	11.33	33.64	273	7	P	H
	*	5755	109.9	-	-	98.38	33.83	11.33	33.64	273	7	A	H
		5852.75	55.76	-60.17	115.93	43.97	34.11	11.33	33.65	273	7	P	H
		5861.5	55.43	-53.55	108.98	43.61	34.15	11.32	33.65	273	7	P	H
		5878.25	54.71	-48.08	102.79	42.84	34.21	11.31	33.65	273	7	P	H
		5939	53.63	-14.57	68.2	41.72	34.3	11.27	33.66	273	7	P	H
<b>802.11ax</b>													H
<b>HE40 Full</b>													H
<b>CH 151</b>		5624.5	53.08	-15.12	68.2	42.45	33.05	11.21	33.63	397	54	P	V
<b>5755MHz</b>		5693.5	59.31	-41.1	100.41	48.23	33.45	11.27	33.64	397	54	P	V
		5718.25	78.12	-32.19	110.31	66.85	33.61	11.3	33.64	397	54	P	V
		5723.75	78.9	-40.45	119.35	67.6	33.64	11.3	33.64	397	54	P	V
	*	5755	111.89	-	-	100.37	33.83	11.33	33.64	397	54	P	V
	*	5755	104.53	-	-	93.01	33.83	11.33	33.64	397	54	A	V
		5853.5	53.2	-61.02	114.22	41.41	34.11	11.33	33.65	397	54	P	V
		5864.75	53.23	-54.84	108.07	41.4	34.16	11.32	33.65	397	54	P	V
		5911	53.77	-24.76	78.53	41.83	34.3	11.29	33.65	397	54	P	V
		5926	52.56	-15.64	68.2	40.63	34.3	11.28	33.65	397	54	P	V
													V
													V



WiFi Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
		5650	61.31	-6.89	68.2	50.61	33.1	11.23	33.63	168	2	P	H
		5687.5	65.44	-30.54	95.98	54.4	33.4	11.27	33.63	168	2	P	H
		5713.25	68.3	-40.61	108.91	57.07	33.58	11.29	33.64	168	2	P	H
		5724.25	68.68	-51.81	120.49	57.37	33.65	11.3	33.64	168	2	P	H
	*	5795	116.76	-	-	104.96	34.07	11.37	33.64	168	2	P	H
	*	5795	109.37	-	-	97.57	34.07	11.37	33.64	168	2	A	H
		5853	71.8	-43.56	115.36	60.01	34.11	11.33	33.65	168	2	P	H
		5859.25	73.47	-36.14	109.61	61.65	34.14	11.33	33.65	168	2	P	H
		5882.25	66.02	-33.8	99.82	54.13	34.23	11.31	33.65	168	2	P	H
		5937.25	62.69	-5.51	68.2	50.77	34.3	11.27	33.65	168	2	P	H
802.11ax													H
HE40 Full													H
CH 159		5641	57.53	-10.67	68.2	46.85	33.08	11.23	33.63	390	60	P	V
5795MHz		5690.75	58.71	-39.67	98.38	47.65	33.43	11.27	33.64	390	60	P	V
		5720	62.57	-48.23	110.8	51.29	33.62	11.3	33.64	390	60	P	V
		5724.5	61.14	-59.92	121.06	49.83	33.65	11.3	33.64	390	60	P	V
	*	5795	111.28	-	-	99.48	34.07	11.37	33.64	390	60	P	V
	*	5795	104.06	-	-	92.26	34.07	11.37	33.64	390	60	A	V
		5850.25	64.74	-56.89	121.63	52.96	34.1	11.33	33.65	390	60	P	V
		5857.75	63.57	-46.46	110.03	51.76	34.13	11.33	33.65	390	60	P	V
		5883.25	64.82	-34.25	99.07	52.93	34.23	11.31	33.65	390	60	P	V
		5931.5	54.58	-13.62	68.2	42.66	34.3	11.27	33.65	390	60	P	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE40\_Full (Harmonic @ 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+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ax HE40 Full		11510	46.87	-27.13	74	50.91	39.17	18.46	61.67	-	-	P	H
		17265	45.4	-22.8	68.2	41.7	38.24	23.27	57.81	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
CH 151 5755MHz		11510	46.52	-27.48	74	50.56	39.17	18.46	61.67	-	-	P	V
		17265	45.58	-22.62	68.2	41.88	38.24	23.27	57.81	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V



WiFi Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE40 Full CH 159 5795MHz		8100	50.45	-23.55	74	56.27	36.9	15.7	58.42	200	300	P	H	
		8100	47.4	-6.6	54	53.22	36.9	15.7	58.42	200	300	A	H	
		11590	46.86	-27.14	74	51.24	38.93	18.51	61.82	-	-	P	H	
		17385	44.95	-23.25	68.2	40.5	38.54	23.32	57.41	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			8111	48.49	-25.51	74	54.32	36.9	15.69	58.42	400	202	P	V
			8111	45.4	-8.6	54	51.23	36.9	15.69	58.42	400	202	A	V
			11590	46.18	-27.82	74	50.56	38.93	18.51	61.82	-	-	P	V
			17385	45.64	-22.56	68.2	41.19	38.54	23.32	57.41	-	-	P	V
														V
														V
														V
													V	
													V	
													V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													



**Band 4 5725~5850MHz**

**WIFI 802.11ax HE80\_Full (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+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
		5648.5	63.58	-4.62	68.2	52.88	33.1	11.23	33.63	271	8	P	H
		5692	69.83	-29.47	99.3	58.76	33.44	11.27	33.64	271	8	P	H
		5709.5	72.37	-35.49	107.86	61.16	33.56	11.29	33.64	271	8	P	H
		5721.75	71.89	-42.9	114.79	60.6	33.63	11.3	33.64	271	8	P	H
	*	5775	113.45	-	-	101.79	33.95	11.35	33.64	271	8	P	H
	*	5775	105.39	-	-	93.73	33.95	11.35	33.64	271	8	A	H
		5850.5	68.1	-52.96	121.06	56.32	34.1	11.33	33.65	271	8	P	H
		5860.5	67.25	-42.01	109.26	55.44	34.14	11.32	33.65	271	8	P	H
		5889	61.95	-32.86	94.81	50.04	34.26	11.3	33.65	271	8	P	H
		5931.25	56.39	-11.81	68.2	44.47	34.3	11.27	33.65	271	8	P	H
<b>802.11ax</b>													H
<b>HE80 Full</b>													H
<b>CH 155</b>		5643	56.59	-11.61	68.2	45.9	33.09	11.23	33.63	397	52	P	V
<b>5775MHz</b>		5694	61.32	-39.46	100.78	50.24	33.45	11.27	33.64	397	52	P	V
		5714.75	64.91	-44.42	109.33	53.67	33.59	11.29	33.64	397	52	P	V
		5723.25	66.76	-51.45	118.21	55.46	33.64	11.3	33.64	397	52	P	V
	*	5775	108.78	-	-	97.12	33.95	11.35	33.64	397	52	P	V
	*	5775	99.68	-	-	88.02	33.95	11.35	33.64	397	52	A	V
		5851.75	60.63	-57.58	118.21	48.84	34.11	11.33	33.65	397	52	P	V
		5865	62.22	-45.78	108	50.39	34.16	11.32	33.65	397	52	P	V
		5875	57.95	-47.25	105.2	46.09	34.2	11.31	33.65	397	52	P	V
		5931.5	53.05	-15.15	68.2	41.13	34.3	11.27	33.65	397	52	P	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE80\_Full (Harmonic @ 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+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE80 Full CH 155 5775MHz		11550	46.62	-27.38	74	50.82	39.05	18.49	61.74	-	-	P	H	
		17325	44.24	-23.96	68.2	40.26	38.3	23.29	57.61	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11550	46.49	-27.51	74	50.69	39.05	18.49	61.74	-	-	P	V
			17325	45.9	-22.3	68.2	41.92	38.3	23.29	57.61	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
<b>Remark</b>	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.													



Emission below 1GHz

WIFI 802.11ax HE80\_Full (SHF @ 1m)

WIFI Ant. 0+1	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 SHF		39560	47.07	-26.93	74	59.55	44.48	-0.63	56.33	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			39296	47.22	-26.78	74	60.13	44.42	-0.77	56.56	-	-	P
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>												



Emission below 1GHz

WIFI 802.11ax HE80\_Full (LF @ 3m)

WIFI Ant. 0+1	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 LF		38.64	26.05	-13.95	40	37.3	19.91	1.05	32.21	-	-	P	H	
		160.14	30.91	-12.59	43.5	44.79	16.18	2.03	32.09	-	-	P	H	
		212.25	35.65	-7.85	43.5	50.73	14.74	2.25	32.07	100	296	Q	H	
		630.4	35.8	-10.2	46	37.95	26.04	3.84	32.03	150	314	Q	H	
		953.1	33.39	-12.61	46	29.16	30.33	4.67	30.77	-	-	P	H	
		976.9	34.12	-19.88	54	29.48	30.44	4.73	30.53	-	-	P	H	
														H
														H
														H
														H
														H
														H
														H
			38.1	33.05	-6.95	40	44.08	20.15	1.03	32.21	100	118	Q	V
			156.9	28.73	-14.77	43.5	42.42	16.41	2	32.1	-	-	P	V
			213.33	33.95	-9.55	43.5	49.06	14.71	2.25	32.07	150	304	Q	V
			630.4	38.95	-7.05	46	41.1	26.04	3.84	32.03	-	-	P	V
			959.4	33.68	-12.32	46	29.03	30.66	4.69	30.7	-	-	P	V
			982.5	34.71	-19.29	54	30.17	30.26	4.75	30.47	-	-	P	V
														V
													V	
													V	
													V	
													V	
													V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against limit line.</li> <li>The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.</li> </ol>													





**Note symbol**

*	<b>Fundamental Frequency</b> which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is <b>Margin</b> line.
P/A	<b>Peak</b> or <b>Average</b>
H/V	<b>Horizontal</b> or <b>Vertical</b>



A calculation example for radiated spurious emission is shown as below:

WIFI Ant. 0+1	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 149 5745MHz		5650	55.45	-12.75	68.2	54.51	32.22	4.58	35.86	103	308	P	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 5650MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)  
= 55.45 (dBμV/m)
2. Margin(dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 55.45(dBμV/m) – 68.2(dBμV/m)  
= -12.75 (dB)

Both peak and average measured complies with the limit line, so test result is "PASS".



## Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Yuan Lee, JC Liang and Troye Hsieh	Temperature :	17.9~25.9°C
		Relative Humidity :	51.1~67.1%

### Note symbol

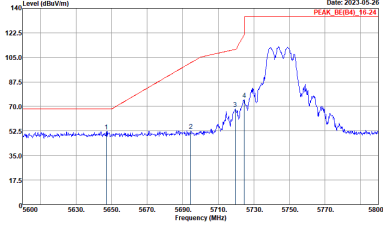
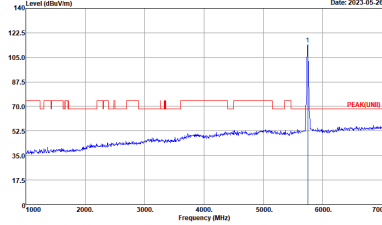
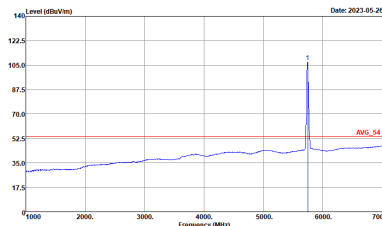
-L	Low channel location
-R	High channel location



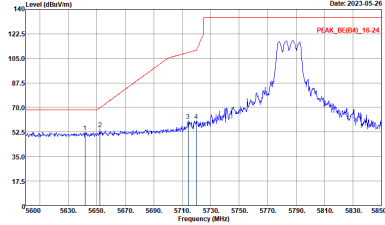
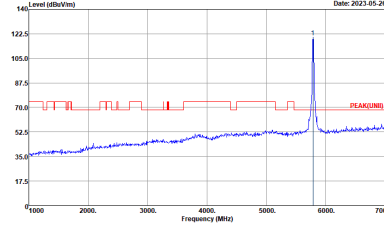
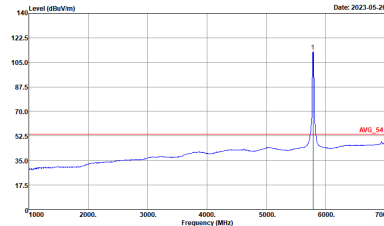
**Band 4 - 5725~5850MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-4Y Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-4Y Condition : PEAK(UNL) 3m 91200_01620_220824 HORIZONTAL : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-4Y Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 <p>Date: 2023-05-26 PEAK_BE(B4)_16_24</p> <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16_24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Date: 2023-05-26 PEAK(UN)</p> <p>Site : 03CH11-HY Condition : PEAK(UN) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	 <p>Date: 2023-05-26 AVG_54</p> <p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>

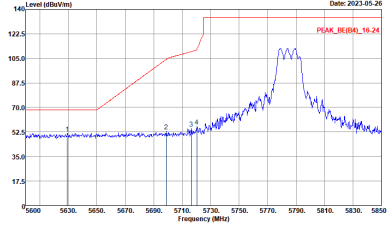
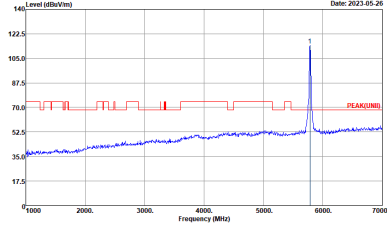
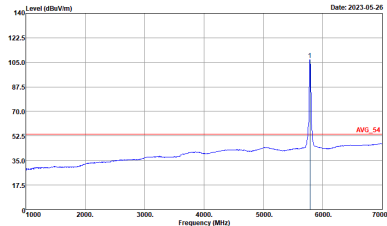


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-1HY Condition : PEAK_BE(B4)_16-24 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH11-1HY Condition : PEAK(UNL) 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-1HY Condition : AVG_S4 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



<b>WIFI</b>	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11a CH157 5785MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH11-4Y Condition : PEAK_BE(84)_16-24 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<b>Left blank</b>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-1HY Condition : PEAK_BE(84)_16-24 3m 9120D_01620_220824 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH11-1HY Condition : PEAK(UNL1) 3m 9120D_01620_220824 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-1HY Condition : AVG_54 3m 9120D_01620_220824 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



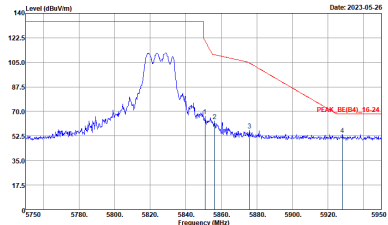
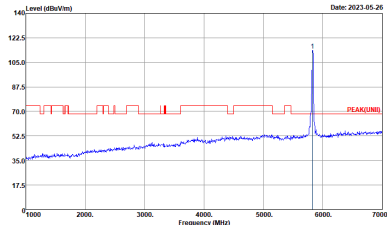
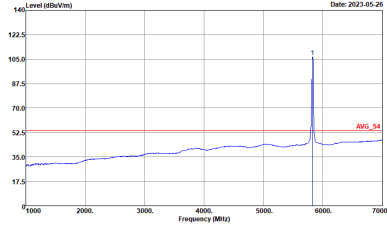


<b>WIFI</b>	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11a CH157 5785MHz</b>	
<b>0+1</b>	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH11-4Y Condition : PEAK_BE(84)_16-24 3m 9120D_01620_220824 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<b>Left blank</b>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-1Y Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-1Y Condition : PEAK(UNL) 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-1Y Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:0.0100KHz SWT:Auto</p>



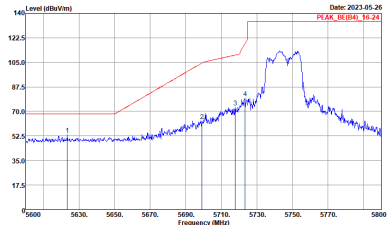
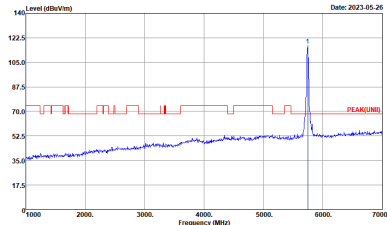
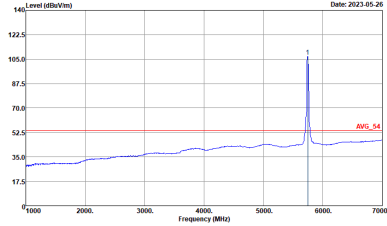
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNL) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	<p>Left blank</p>  <p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	



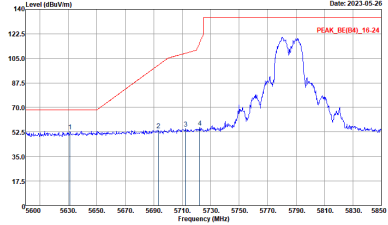
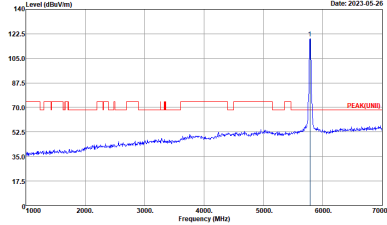
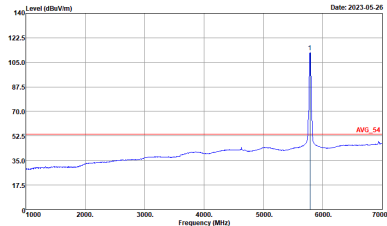
**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(94)_16-24 3m 91200_01620_220824 HORIZONTAL            : RBW:3000.0000Hz VBW:3000.0000Hz SWT:Auto</p>	<p>Site : 03CH11-HY            Condition : PEAK(LINE1) 3m 91200_01620_220824 HORIZONTAL            : RBW:3000.0000Hz VBW:3000.0000Hz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-HY            Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL            : RBW:3000.0000Hz VBW:0.0100Hz SWT:Auto</p>

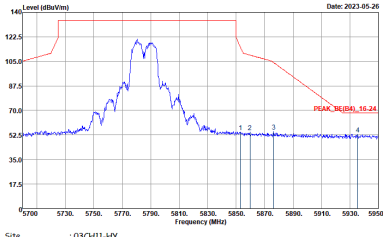


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 <p>Date: 2023-05-26 PEAK_BE(B4)_16-24</p> <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Date: 2023-05-26 PEAK(UN)</p> <p>Site : 03CH11-HY Condition : PEAK(UN)E 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	 <p>Date: 2023-05-26 AVG_54</p> <p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>

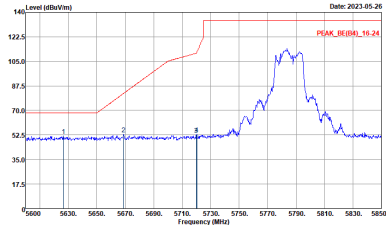
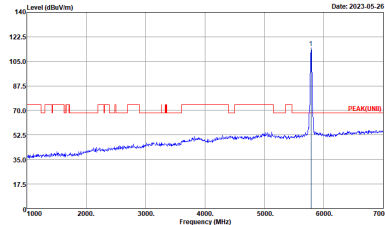
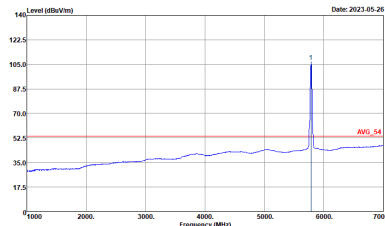


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-1Y Condition : PEAK_BE(B4)_16-24 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH11-1Y Condition : PEAK(UNL) 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-1Y Condition : AVG_S4 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-4Y Condition : PEAK_BE(B4)_16-24 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



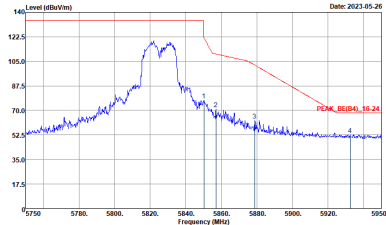
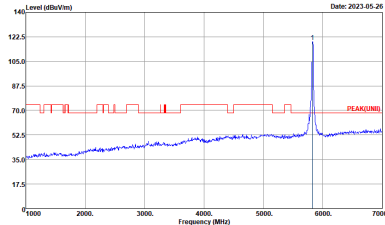
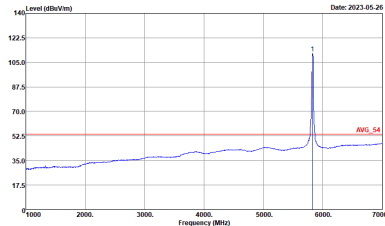
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-1Y Condition : PEAK_BE(B4)_16-24 3m 9120D_01620_220824 VERTICAL : RBW:1000.000GHz VBW:3000.000GHz SWT:Auto</p>	 <p>Site : 03CH11-1Y Condition : PEAK(UNL) 3m 9120D_01620_220824 VERTICAL : RBW:1000.000GHz VBW:3000.000GHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-1Y Condition : AVG_54 3m 9120D_01620_220824 VERTICAL : RBW:1000.000GHz VBW:0.010GHz SWT:Auto</p>



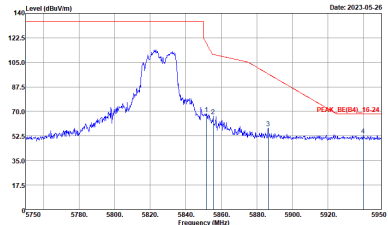
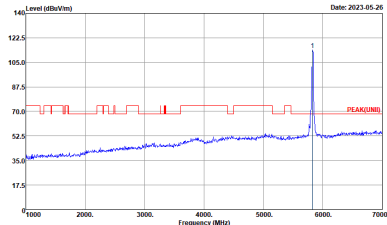
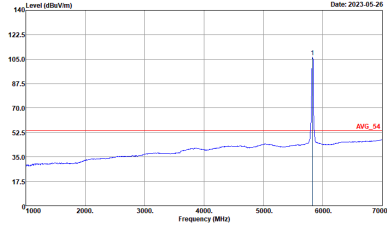


<b>WIFI</b>	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE20 Full CH157 5785MHz</b>	
<b>0+1</b>	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH11-4Y Condition : PEAK_BE(84)_16-24 3m 9120D_01620_220824 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<b>Left blank</b>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-1Y Condition : PEAK_BE(84)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-1Y Condition : PEAK(UNL) 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-1Y Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:0.0100kHz SWT:Auto</p>



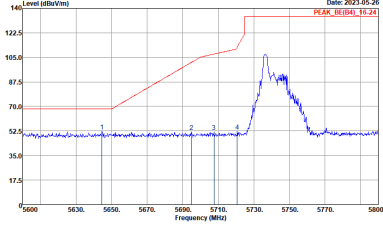
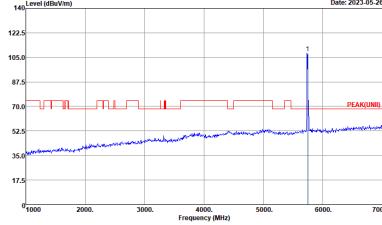
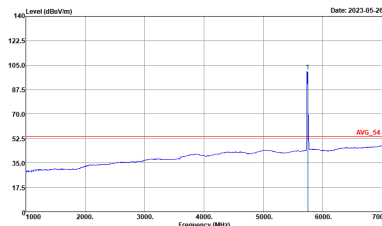
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNLE) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	
		 <p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>



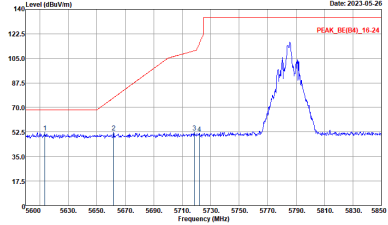
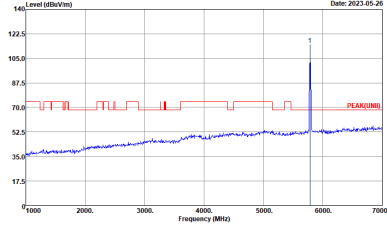
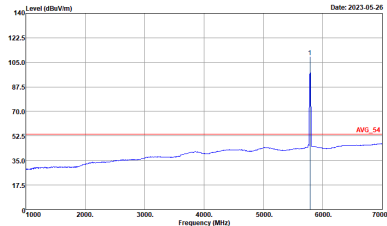
**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)**

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(94)_16-24 3m 91200_01620_220824 HORIZONTAL            RBW:3000.0000kHz VBW:3000.0000kHz SWT:Auto</p>	<p>Site : 03CH11-HY            Condition : PEAK(UN1) 3m 91200_01620_220824 HORIZONTAL            RBW:3000.0000kHz VBW:3000.0000kHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-HY            Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL            RBW:3000.0000kHz VBW:0.0100kHz SWT:Auto</p>

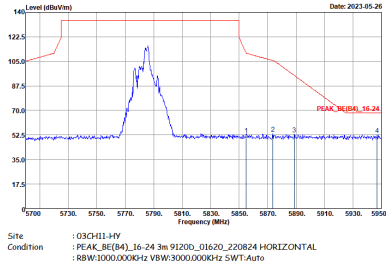


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNLE) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>

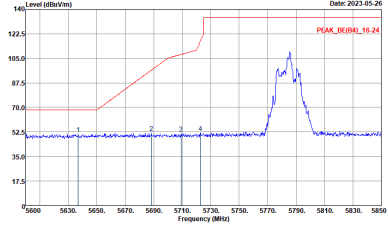
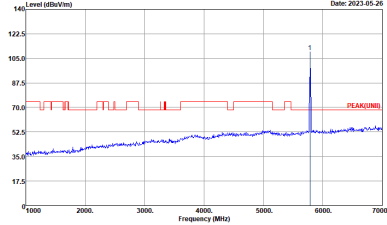
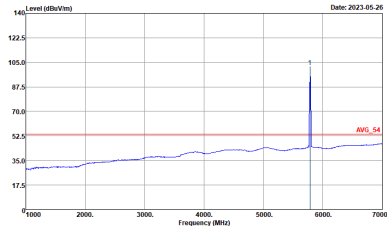


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site Condition : 03CH11-1HY : PEAK_BE(B4)_16-24 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site Condition : 03CH11-1HY : PEAK(UNL) 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site Condition : 03CH11-1HY : AVG_54 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



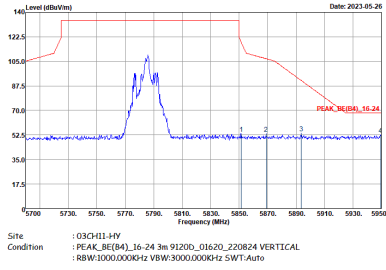
<b>WIFI</b>	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE20 Partial 26/4 CH157 5785MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>		<b>Left blank</b>



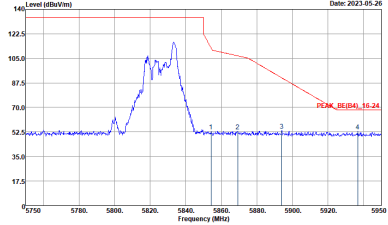
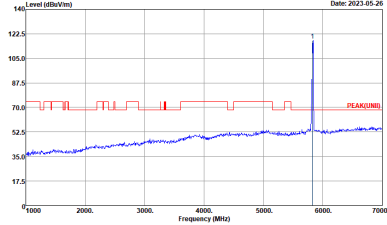
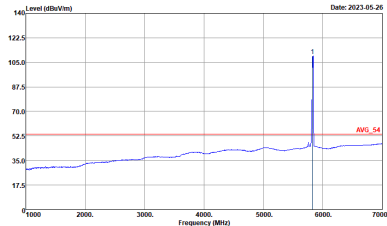
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_01620_220824 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNL) 3m 9120D_01620_220824 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-HY Condition : AVG_S4 3m 9120D_01620_220824 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



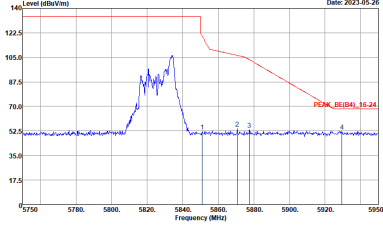
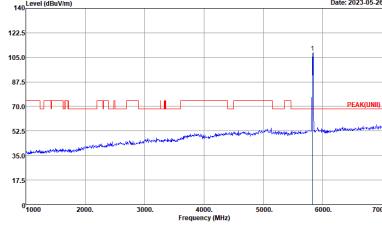
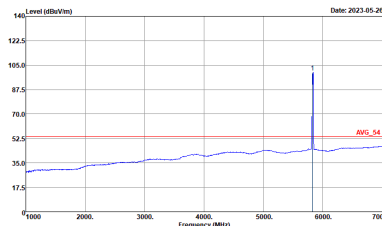


<b>WIFI</b>	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE20 Partial 26/4 CH157 5785MHz</b>	
<b>0+1</b>	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	 <p>Site : 03CH11-4Y Condition : PEAK_BE(84)_16-24 3m 9120D_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<b>Left blank</b>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-1Y Condition : PEAK_BE(B4)_16-24 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000GHz VBW:3000.000GHz SWT:Auto</p>	 <p>Site : 03CH11-1Y Condition : PEAK(UNL) 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000GHz VBW:3000.000GHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-1Y Condition : AVG_54 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000GHz VBW:0.010GHz SWT:Auto</p>



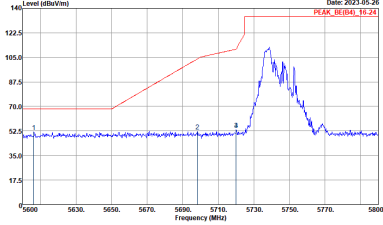
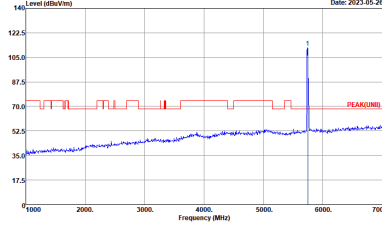
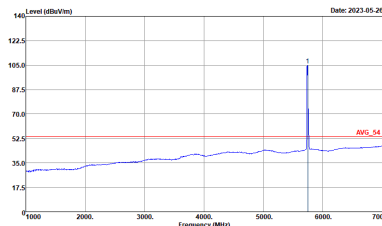
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNL) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>



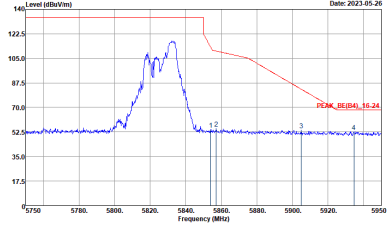
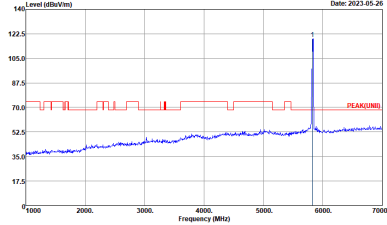
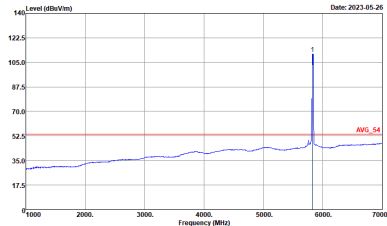
**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)**

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(05)_T(24) 3m 91200_01620_220824 HORIZONTAL            RBW:3000.0000kHz VBW:3000.0000kHz SWT:Auto</p>	<p>Site : 03CH11-HY            Condition : PEAK(UMB) 3m 91200_01620_220824 HORIZONTAL            RBW:3000.0000kHz VBW:3000.0000kHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-HY            Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL            RBW:3000.0000kHz VBW:0.0100kHz SWT:Auto</p>

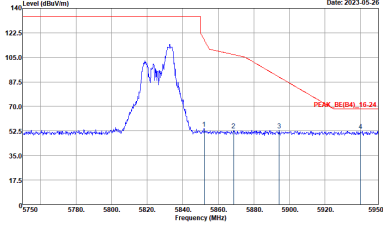
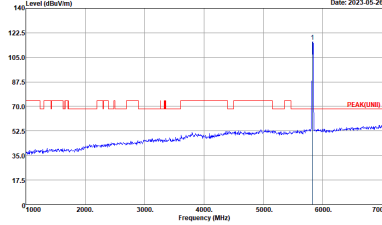
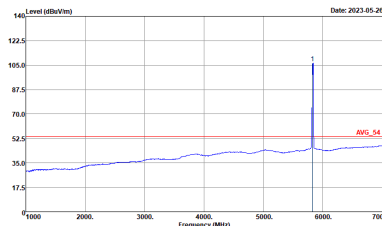


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 <p>Date: 2023-05-26 PEAK_BE(B4)_16_24</p> <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16_24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Date: 2023-05-26 PEAK(UN)1</p> <p>Site : 03CH11-HY Condition : PEAK(UN)1 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	 <p>Date: 2023-05-26 AVG_54</p> <p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site Condition : 03CH11-1HY : PEAK_BE(B4)_16-24 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site Condition : 03CH11-1HY : PEAK(UNL) 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site Condition : 03CH11-1HY : AVG_54 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNL) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	<p>Left blank</p>  <p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	

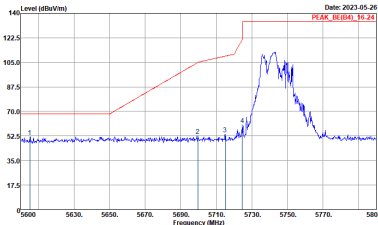
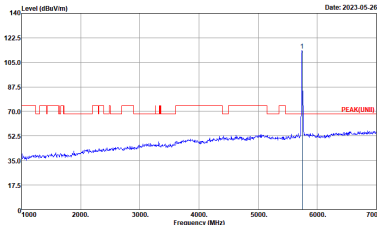
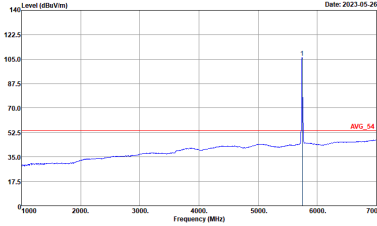


**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)**

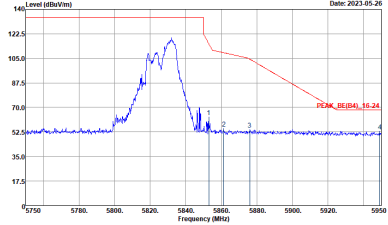
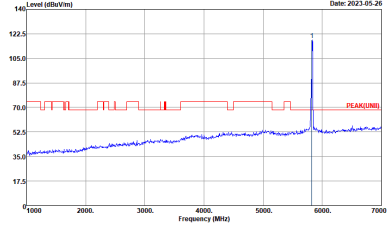
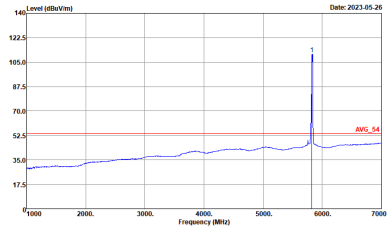
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(94)_16-24 3m 9120D_01620_220824 HORIZONTAL            : RBW:3000.0000Hz VBW:3000.0000Hz SWT:Auto</p>	<p>Site : 03CH11-HY            Condition : PEAK_UNI(1) 3m 9120D_01620_220824 HORIZONTAL            : RBW:3000.0000Hz VBW:3000.0000Hz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-HY            Condition : AVG_54 3m 9120D_01620_220824 HORIZONTAL            : RBW:3000.0000Hz VBW:0.0100Hz SWT:Auto</p>



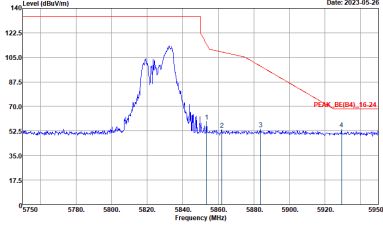
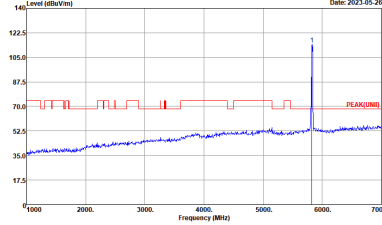
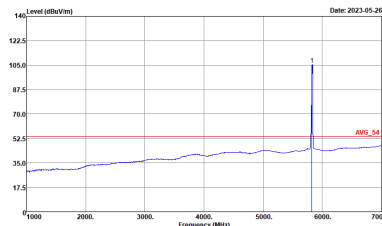


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 <p>Date: 2023-05-26 PEAK_BE(B4)_16-24</p> <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Date: 2023-05-26 PEAK(UN)E</p> <p>Site : 03CH11-HY Condition : PEAK(UN)E 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	 <p>Date: 2023-05-26 AVG_54</p> <p>Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-HY Condition : AVG_S4 3m 91200_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-HY Condition : AVG_S4 3m 91200_01620_220824 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>



**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(94)_16-24 3m 91200_01620_220824 HORIZONTAL            RBW:3000.0000kHz VBW:3000.0000kHz SWT:Auto</p>	<p>Site : 03CH11-HY            Condition : PEAK_UNE11 3m 91200_01620_220824 HORIZONTAL            RBW:3000.0000kHz VBW:3000.0000kHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-HY            Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL            RBW:3000.0000kHz VBW:0.0100kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-4Y Condition : PEAK_BE(84)_16-24 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank

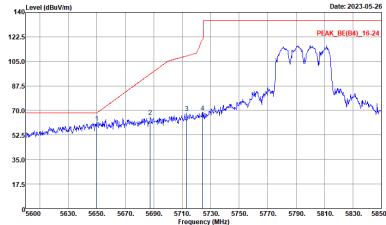
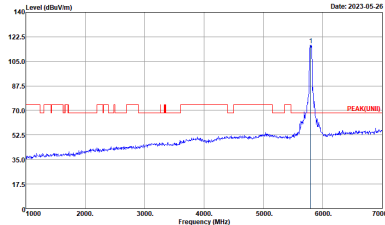
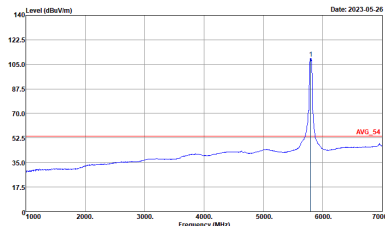


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-1HY Condition : PEAK_BE(B4)_16-24 3m 9120D_01620_220824 VERTICAL : RBW:1000.000GHz VBW:3000.000GHz SWT:Auto</p>	<p>Site : 03CH11-1HY Condition : PEAK(UNL) 3m 9120D_01620_220824 VERTICAL : RBW:1000.000GHz VBW:3000.000GHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-1HY Condition : AVG_54 3m 9120D_01620_220824 VERTICAL : RBW:1000.000GHz VBW:0.010GHz SWT:Auto</p>



<b>WIFI</b>	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE40 Full CH151 5755MHz</b>	
<b>0+1</b>	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH11-44 Condition : PEAK_BE(84)_16-24 3m 9120D_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<b>Left blank</b>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(UNL) 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-HY Condition : AVG_54 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>





<b>WIFI</b>	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE40 Full HT40 CH159 5795MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH11-4Y Condition : PEAK_BE(B4)_16-24 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<b>Left blank</b>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-1HY Condition : PEAK_BE(B4)_16-24 3m 91200_01620_220824 VERTICAL : RBW:1000.0000kHz VBW:3000.0000kHz SWT:Auto</p>	<p>Site : 03CH11-1HY Condition : PEAK(UNL) 3m 91200_01620_220824 VERTICAL : RBW:1000.0000kHz VBW:3000.0000kHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-1HY Condition : AVG_54 3m 91200_01620_220824 VERTICAL : RBW:1000.0000kHz VBW:0.0100kHz SWT:Auto</p>



<b>WIFI</b>	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE40 Full CH159 5795MHz</b>	
<b>0+1</b>	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH11-44Y Condition : PEAK_BE(84)_16-24 3m 9120D_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<b>Left blank</b>



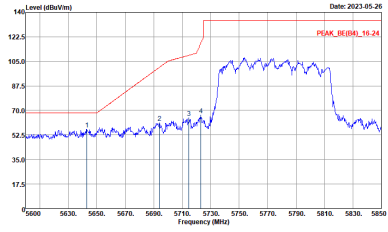
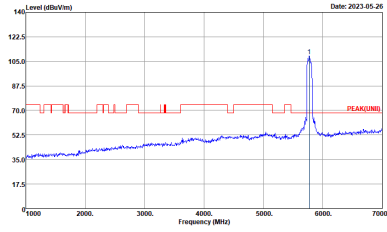
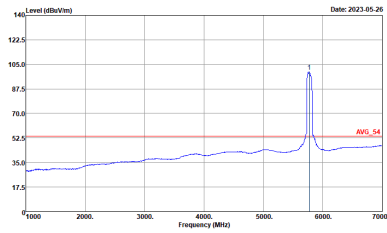
**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(94)_16-24 3m 91200_01620_220824 HORIZONTAL            RBW:3000.0000kHz VBW:3000.0000kHz SWT:Auto</p>	<p>Site : 03CH11-HY            Condition : PEAK(UN1) 3m 91200_01620_220824 HORIZONTAL            RBW:3000.0000kHz VBW:3000.0000kHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH11-HY            Condition : AVG_54 3m 91200_01620_220824 HORIZONTAL            RBW:3000.0000kHz VBW:0.0100kHz SWT:Auto</p>



<b>WIFI</b>	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE80 Full CH155 5775MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH11-4Y Condition : PEAK_BE(B4)_16-24 3m 9120D_01620_220824 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<b>Left blank</b>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-1Y Condition : PEAK_BE(04)_16-24 3m 9120D_01620_220824 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH11-1Y Condition : PEAK(UNL) 3m 9120D_01620_220824 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH11-1Y Condition : AVG_54 3m 9120D_01620_220824 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



<b>WIFI</b>	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE80 Full CH155 5775MHz</b>	
<b>0+1</b>	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH11-44 Condition : PEAK_BE(84)_16-24 3m 9120D_01620_220824 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<b>Left blank</b>



Band 4 5725~5850MHz

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-FY Condition : PEAK[UNL] 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-FY Condition : PEAK[UNL] 3m 91200_01620_220824 VERTICAL</p>





WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 VERTICAL</p>



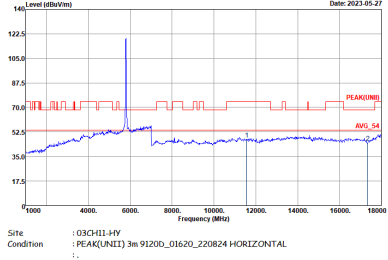
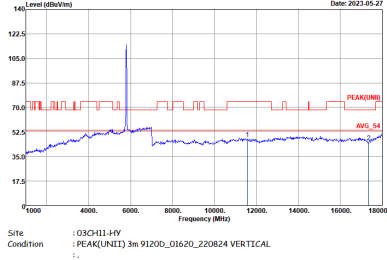
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-1Y Condition : PEAK(UNII) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-1Y Condition : PEAK(UNII) 3m 91200_01620_220824 VERTICAL</p>



**Band 4 5725~5850MHz  
WIFI 802.11ax HE20 Full (Harmonic @ 3m)**

<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE20 Full CH149 5745MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH11-11Y Condition : PEAK(UNII) 3m 91200_01620_220824 HORIZONTAL</p>	 <p>Site : 03CH11-11Y Condition : PEAK(UNII) 3m 91200_01620_220824 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-1FY Condition : PEAK(UNII) 3m 9120D_01620_220824 HORIZONTAL :</p>	<p>Site : 03CH11-1FY Condition : PEAK(UNII) 3m 9120D_01620_220824 VERTICAL :</p>



**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE20 Partial 26 (Harmonic @ 3m)**

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Horizontal	Vertical
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-1FY Condition : PEAK(UNII) 3m 91200_01620_220824 HORIZONTAL :</p>	<p>Site : 03CH11-1FY Condition : PEAK(UNII) 3m 91200_01620_220824 VERTICAL :</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-1FY Condition : PEAK(UNII) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-1FY Condition : PEAK(UNII) 3m 91200_01620_220824 VERTICAL</p>





**Band 4 5725~5850MHz  
WIFI 802.11ax HE20 Partial 52 (Harmonic @ 3m)**

<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE20 Partial 52/37 CH149 5745MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-1FY Condition : PEAK(UNII) 3m 91200_01620_220824 HORIZONTAL :</p>	<p>Site : 03CH11-1FY Condition : PEAK(UNII) 3m 91200_01620_220824 VERTICAL :</p>



**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE20 Partial 106 (Harmonic @ 3m)**

<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE20 Partial 106/53 CH149 5745MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH11-HY          Condition : PEAK(UNIT) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY          Condition : PEAK(UNIT) 3m 91200_01620_220824 VERTICAL</p>



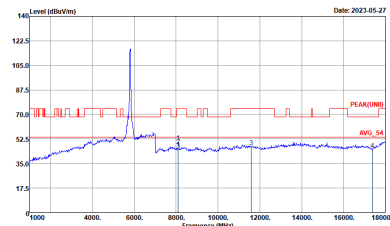
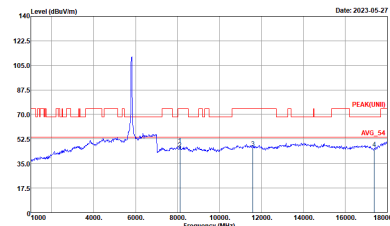
<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE20 Partial 106/54 CH165 5825MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH11-1FY Condition : PEAK(UNII) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-1FY Condition : PEAK(UNII) 3m 91200_01620_220824 VERTICAL</p>



**Band 4 5725~5850MHz  
WIFI 802.11ax HE40 Full (Harmonic @ 3m)**

<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE40 Full CH151 5755MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
0+1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH11-1FY Condition : PEAK(UNII) 3m 91200_01620_220824 HORIZONTAL</p>	 <p>Site : 03CH11-1FY Condition : PEAK(UNII) 3m 91200_01620_220824 VERTICAL</p>



**Band 4 5725~5850MHz  
WIFI 802.11ax HE80 Full (Harmonic @ 3m)**

<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE80 Full CH155 5775MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 HORIZONTAL</p>	<p>Site : 03CH11-HY Condition : PEAK(UNII) 3m 91200_01620_220824 VERTICAL</p>



**Emission above 18GHz**  
**5GHz 802.11ax HE80 Full (SHF @ 1m)**

WIFI	5GHz WIFI	
ANT	802.11ax HE80 Full SHF	
0+1	Horizontal	Vertical
<b>Peak Avg.</b>	<p>Site : 03CH11-FY            Condition : PEAK(UM) In SHF_00994_221104 HORIZONTAL            :</p>	<p>Site : 03CH11-FY            Condition : PEAK(UM) In SHF_00994_221104 VERTICAL            :</p>





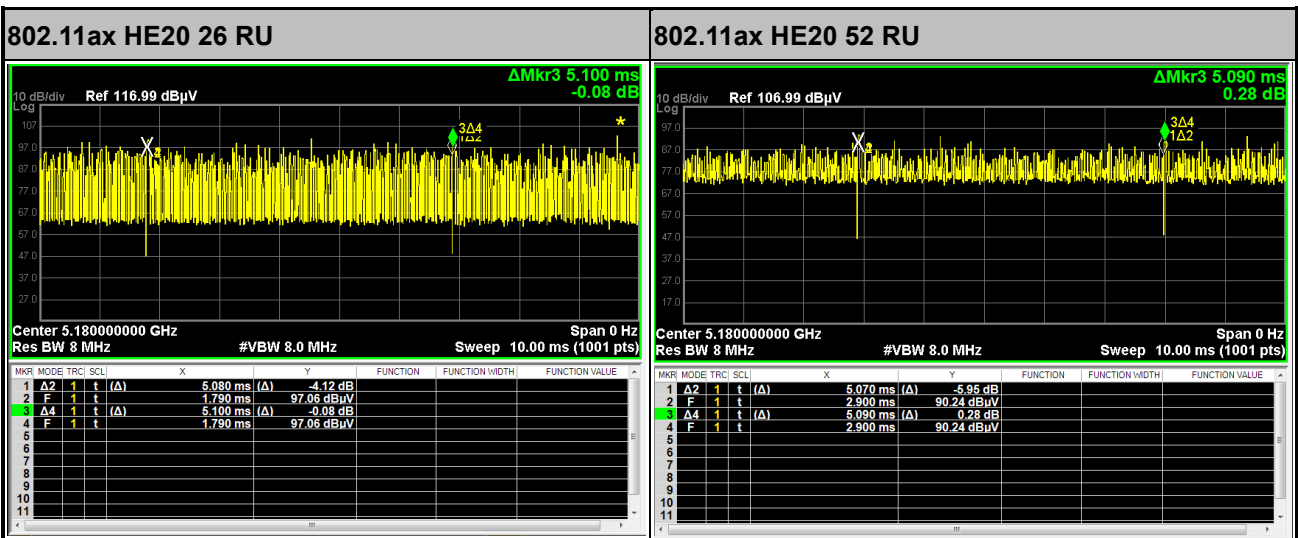
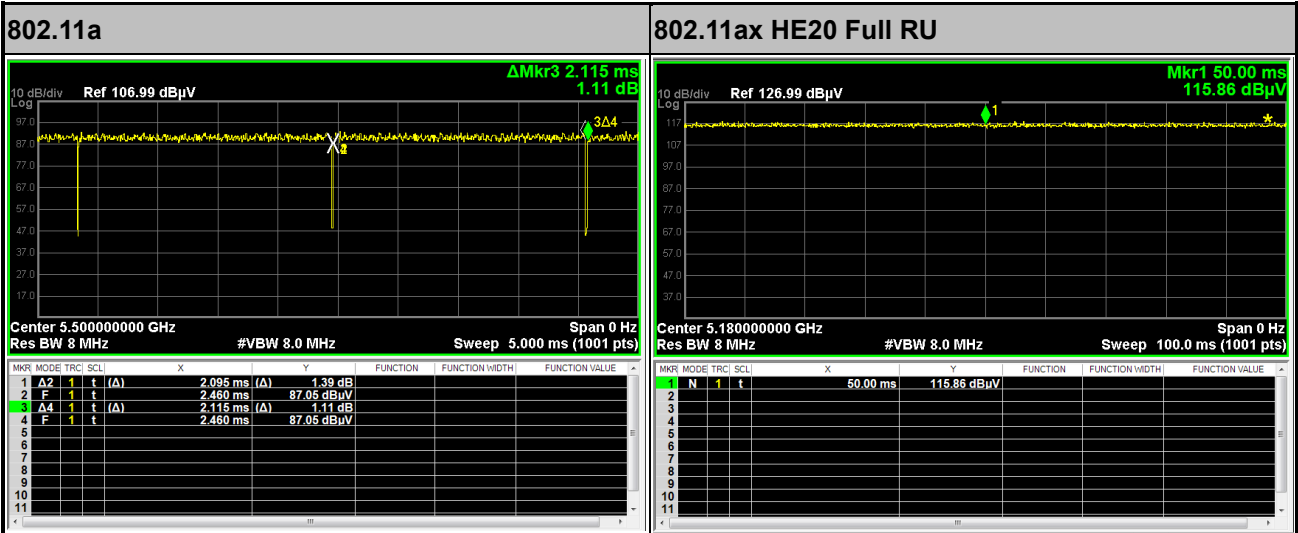
Emission below 1GHz  
5GHz 802.11ax HE80 Full (LF @ 3m)

WIFI	5GHz WIFI	
ANT	802.11ax HE80 Full LF	
0+1	Horizontal	Vertical
QP / Peak	<p>Horizontal</p>	<p>Vertical</p>



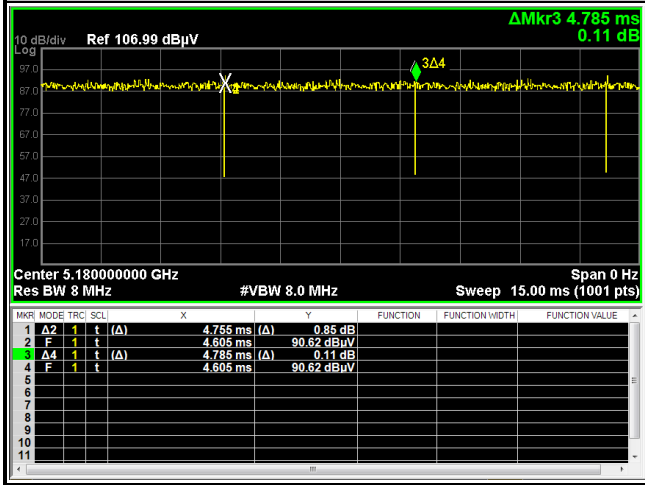
## Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
0+1	5GHz 802.11a	99.05	-	-	10Hz
0+1	5GHz 802.11ax HE20 Full RU	100.00	-	-	10Hz
0+1	5GHz 802.11ax HE20 26 RU	99.61	-	-	10Hz
0+1	5GHz 802.11ax HE20 52 RU	99.61	-	-	10Hz
0+1	5GHz 802.11ax HE20 106 RU	99.37	-	-	10Hz
0+1	5GHz 802.11ax HE40 Full RU	100.00	-	-	10Hz
0+1	5GHz 802.11ax HE80 Full RU	99.15	-	-	10Hz

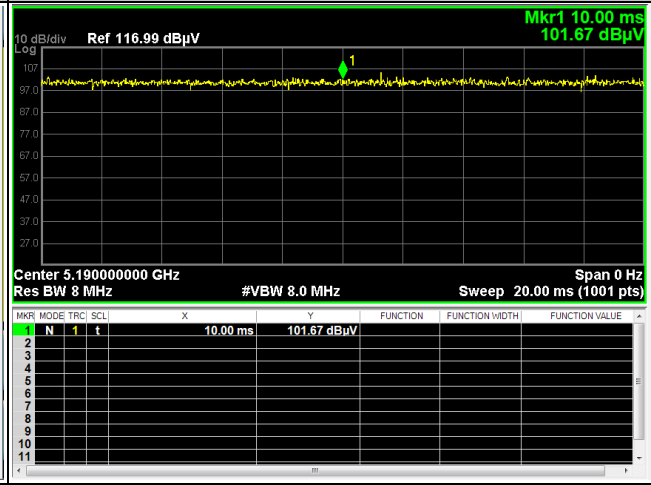




802.11ax HE20 106 RU



802.11ax HE40 Full RU



802.11ax HE80 Full RU

