



# FCC RADIO TEST REPORT

FCC ID : J9CQCARD7280P  
Equipment : QCARD7280P  
Brand Name : Qualcomm  
Model Name : QCARD7280P-3  
Applicant : Qualcomm Technologies, Inc.  
5775 Morehouse Drive, San Diego,  
California 92121, United State  
Manufacturer : Qualcomm Technologies, Inc.  
5775 Morehouse Drive, San Diego,  
California 92121, United State  
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jun. 29, 2022 and testing was performed from Aug. 24, 2022 to Nov. 03, 2022. 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
FR1N1011-01E	01	Initial issue of report	Jan. 06, 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	0.11 dB under the limit at 7704.000 MHz
-	15.207	AC Conducted Emission	Not Required	-
3.5	15.203 15.407(a)	Antenna Requirement	Pass	-

**Note:** Not required means after assessing, test items are not necessary to carry out.

Declaration of Conformity:
<p>1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.</p> <p>2. The measurement uncertainty please refer to report "Uncertainty of Evaluation".</p>
Comments and Explanations:
The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

**Reviewed by: Avis Chuang**

**Report Producer: Ruby Zou**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, and Wi-Fi 6GHz 802.11a/n/ac/ax.

Antenna Information								
Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (MHz)	Ant. Type	Connector Type	Cable Length (mm)
A	Chain0/1	HONG BO	260-25094	3.53	2.4~2.4835 GHz	PIFA	i-pex (MHF 4L)	300mm
				3.06	5.15~5.25 GHz			
				3.07	5.25~5.35 GHz			
				4.81	5.47~5.725 GHz			
				4.2	5.725~5.850 GHz			
B	Chain0/1	HONG BO	260-25083	5.09	5.850~5.895 GHz	PIFA	i-pex (MHF 4L)	300mm
				5.14	5.925~6.425 GHz			
				5.09	6.425~6.525 GHz			
				5.16	6.525~6.875 GHz			
				5.12	6.875~7.125 GHz			
C	Chain0/1	HONG BO	260-25084	3.22	2.4~2.4835 GHz	Monopole	i-pex (MHF 4L)	200mm
				3.35	5.15~5.25 GHz			
				3.42	5.25~5.35 GHz			
				4.77	5.47~5.725 GHz			
				4.72	5.725~5.850 GHz			
				4.71	5.850~5.895 GHz			
				4.75	5.925~6.425 GHz			
				4.29	6.425~6.525 GHz			
				4.81	6.525~6.875 GHz			
				4.74	6.875~7.125 GHz			

**Remark:**

1. Ant. 5 means Chain 0 and Ant. 4 means Chain 1.
2. The maximum gain was chosen for test.
3. The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations in report summary.

### 1.1.1 Antenna Directional Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

The directional gain calculated as

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

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.

The EUT supports beamforming for 802.11ac and 11ax modes.

The directional gain calculation is following F)2)e)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain “DG” is calculated as following table.

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 5	Ant 4	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
<b>Band IV</b>	4.72	4.72	7.73	7.73	1.73	1.73

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

*PSD limit reduction = Composite gain + PSD Array gain – 6dBi, ( min = 0 )*

Calculation example:

The DG for PSD is derived from formula is

$$10 \times \log \{ \{ [ 10^{\wedge} (4.72 \text{ dBi} / 20) + 10^{\wedge} (4.72 \text{ dBi} / 20) ]^{\wedge} 2 \} / 2 \}$$

$$= 7.73 \text{ dBi}$$

### 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, 03CH16-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

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: radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

### 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 <sup>#</sup>	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 "<sup>#</sup>" are 802.11ac VHT80 and 802.11ax HE80.





## 2.2 Test Mode

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 802.11n/ac mode has no higher power and PSD than 802.11ax mode, thus the 802.11ax mode is chosen as main test configuration, and the 802.11n/ac mode is verified the power.

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

### MIMO Mode

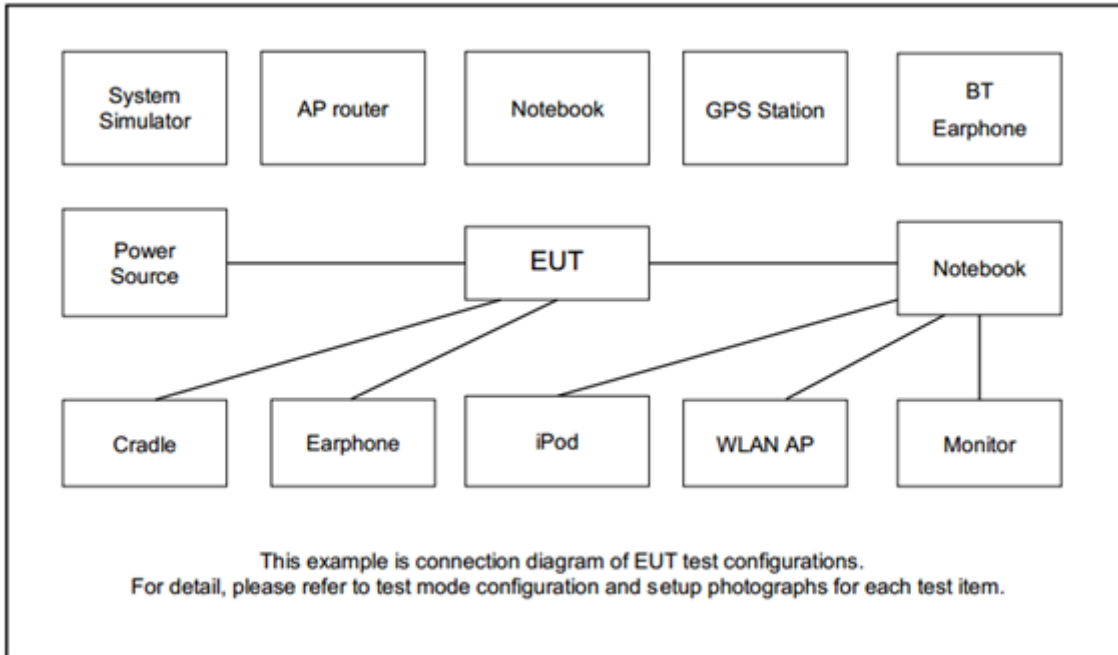
Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by HE20)	MCS0
802.11n HT40 (Covered by HE40)	MCS0
802.11ac VHT20 (Covered by HE20)	MCS0
802.11ac VHT40 (Covered by HE40)	MCS0
802.11ac VHT80 (Covered by HE80)	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

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



### 2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Fixture	Qualcomm	20-33568-H1	N/A	N/A	N/A

### 2.5 EUT Operation Test Setup

The RF test items, utility “QRCT v4.0.00195.0” 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.

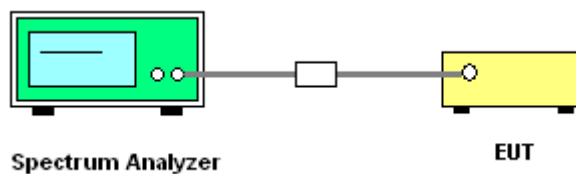
##### 3.1.2 Measuring Instruments

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



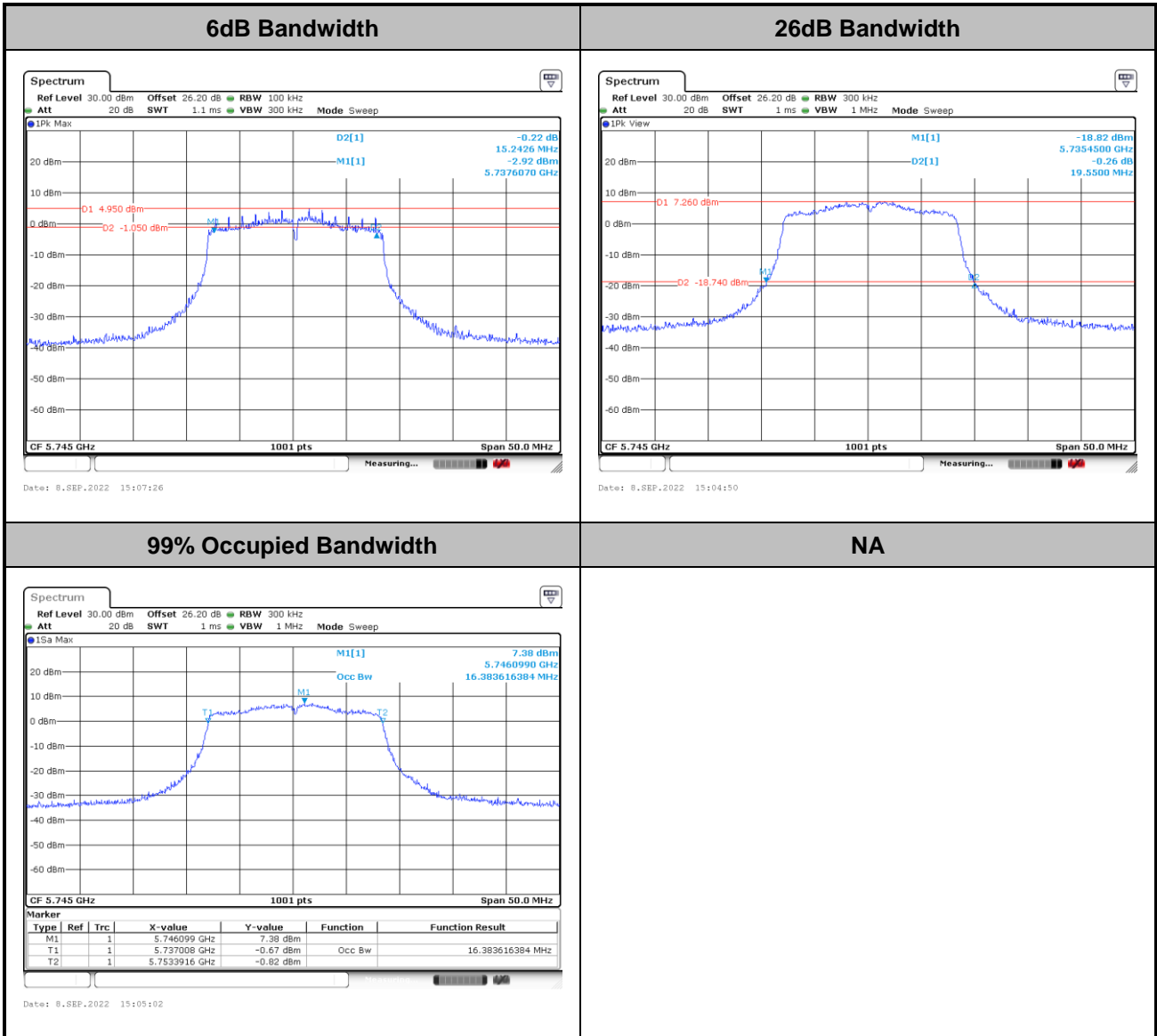
##### 3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.



MIMO <Ant. 5+4>

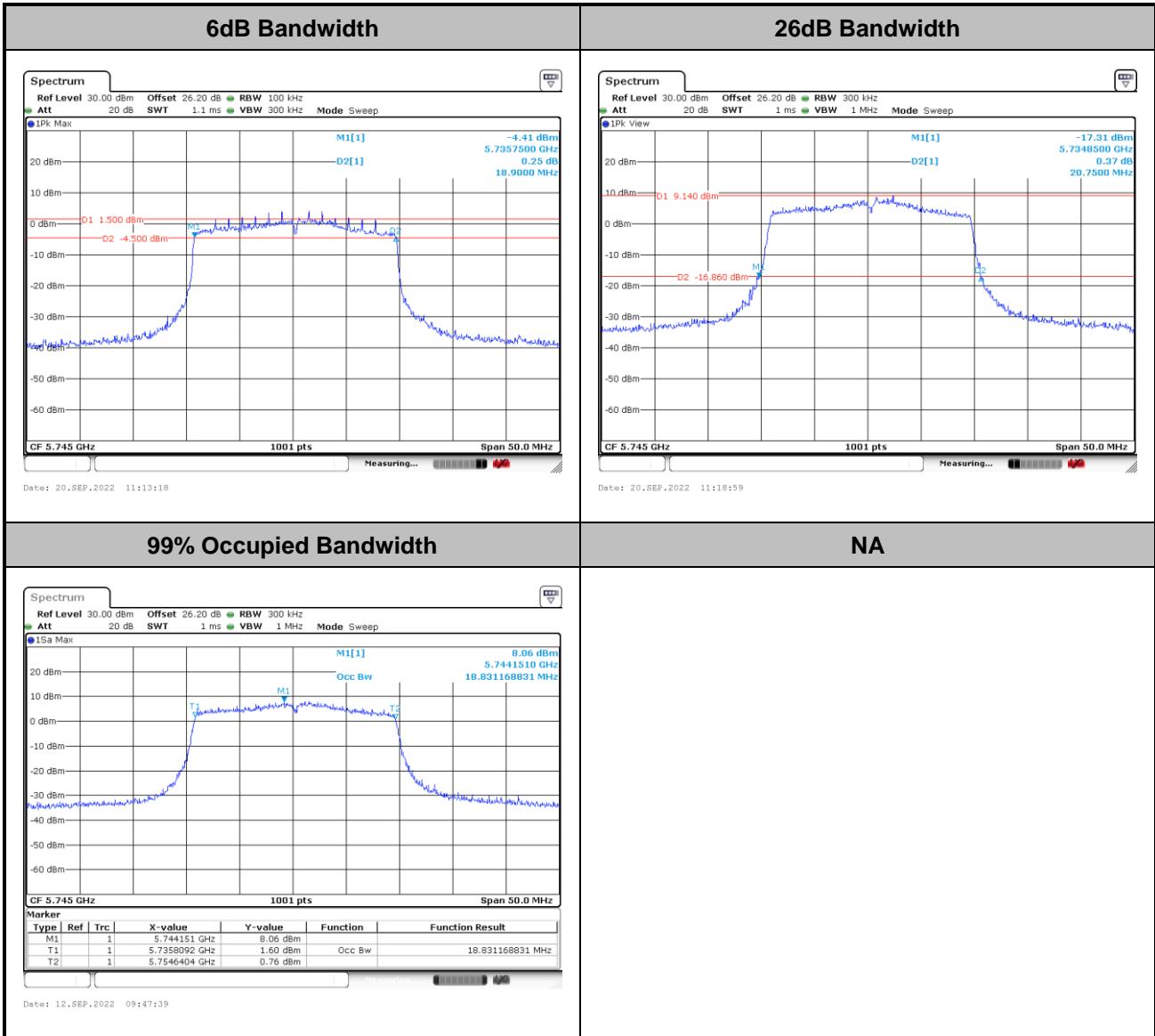
<802.11a>



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



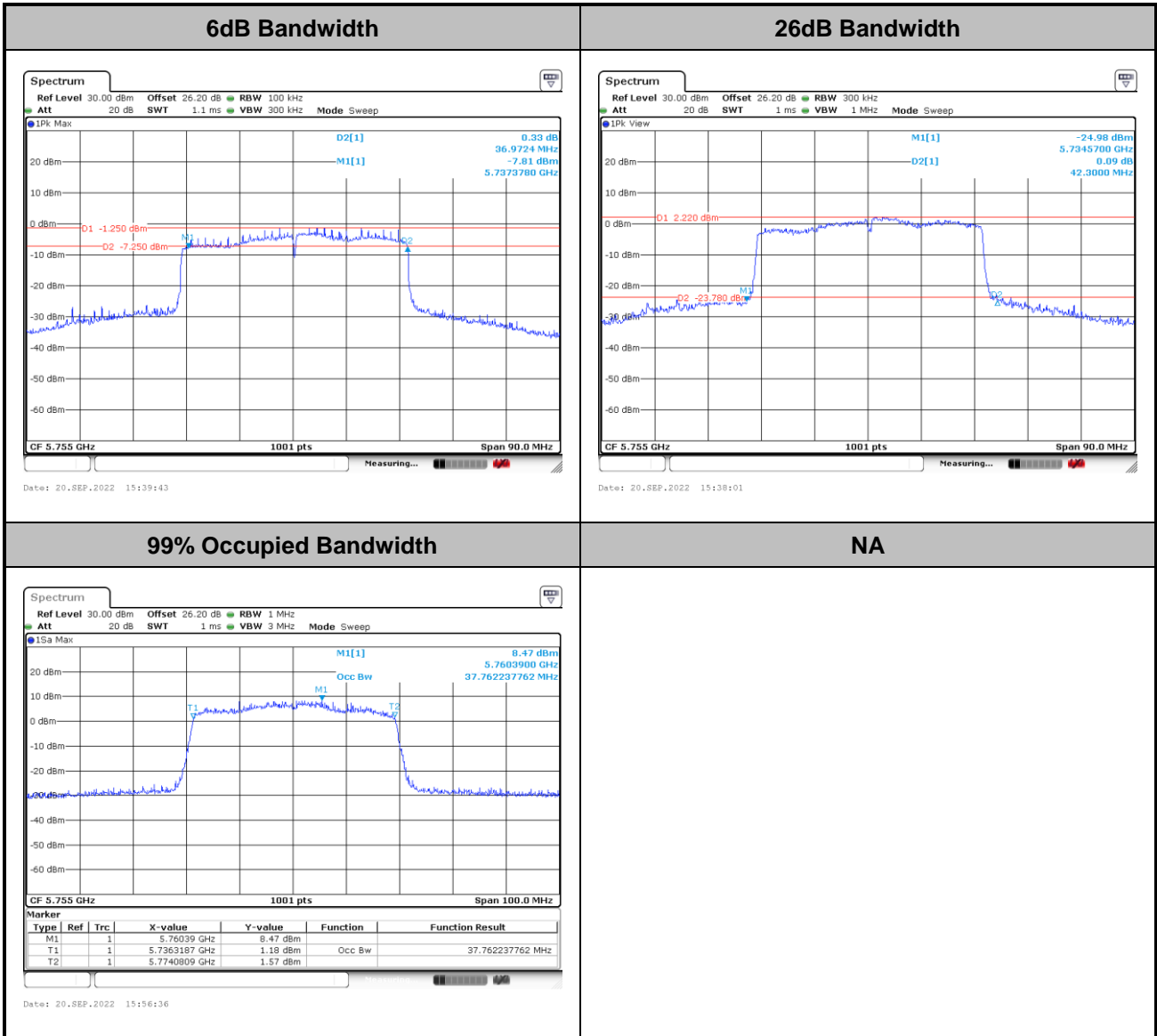
<802.11ax HE20>



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



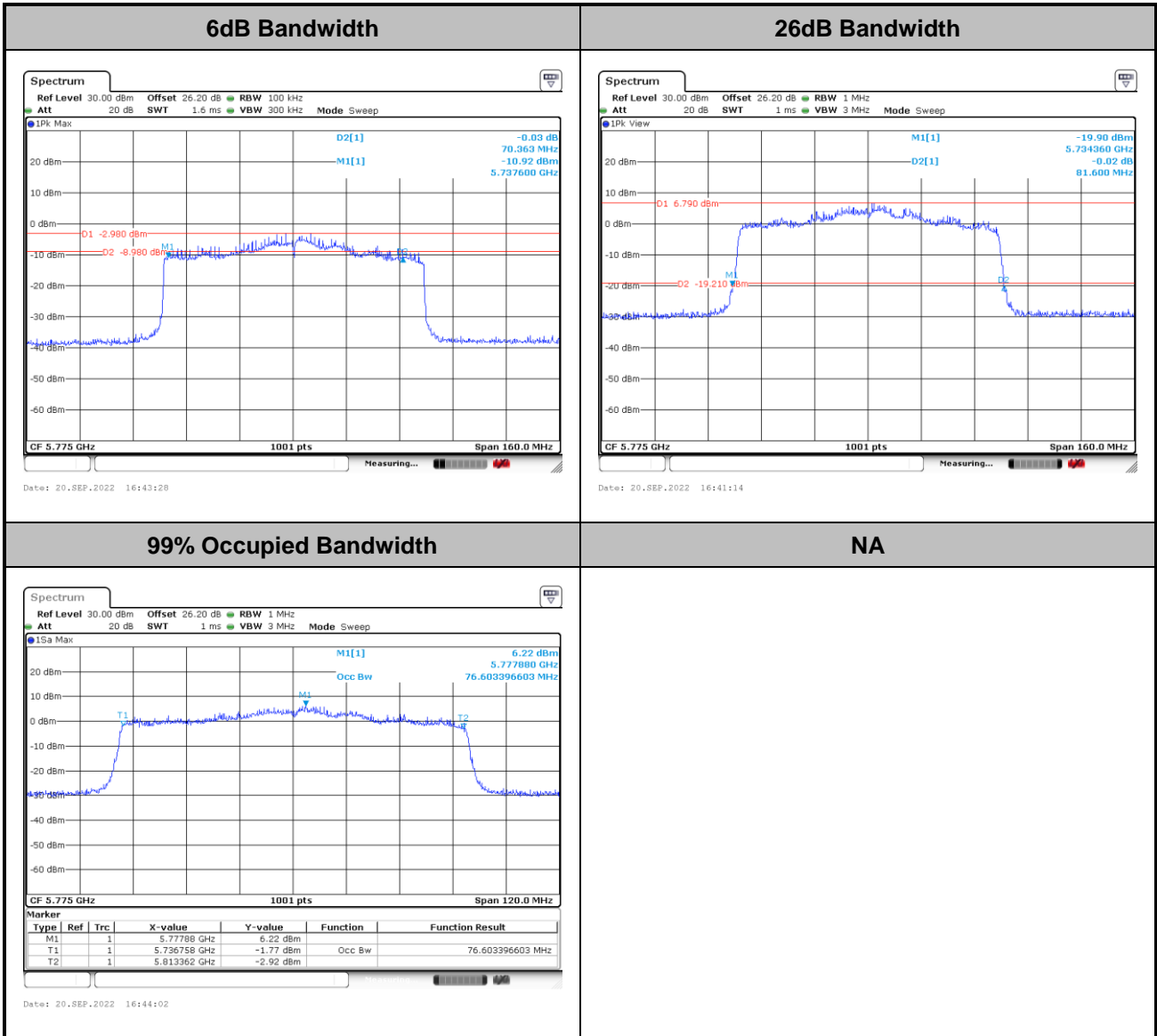
<802.11ax HE40>



**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.

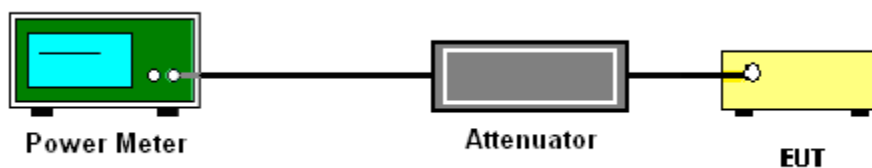
### 3.2.3 Test Procedures

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

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

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

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



### 3.3 Power Spectral Density Measurement

#### 3.3.1 Limit of Power Spectral Density

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

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

#### 3.3.2 Measuring Instruments

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

#### 3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section F) Maximum power spectral density.

##### # Method SA-2 #

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

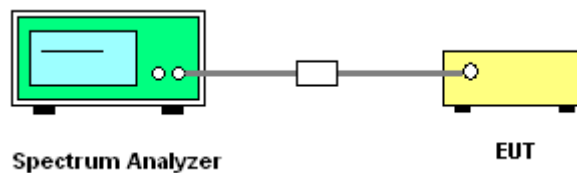
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300kHz.
- Set VBW  $\geq$  1 MHz.
- Add  $10 \log(500 \text{ kHz/RBW})$  to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- Number of points in sweep  $\geq 2 \text{ Span} / \text{RBW}$ .
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add  $10 \log(1/x)$ , where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add  $10 \log(1/0.25) = 6 \text{ dB}$  if the duty cycle is 25 percent.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (c): Measure and add  $10 \log(N_{ANT})$  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  $10 \log(N_{ANT})$  dB is added to each spectrum value before comparing to the emission limit. The addition of  $10 \log(N_{ANT})$  dB serves to apportion the emission limit among the  $N_{ANT}$  outputs so that each output is permitted to contribute no more than  $1/N_{ANT}^{\text{th}}$  of the PSD limit.

### 3.3.4 Test Setup

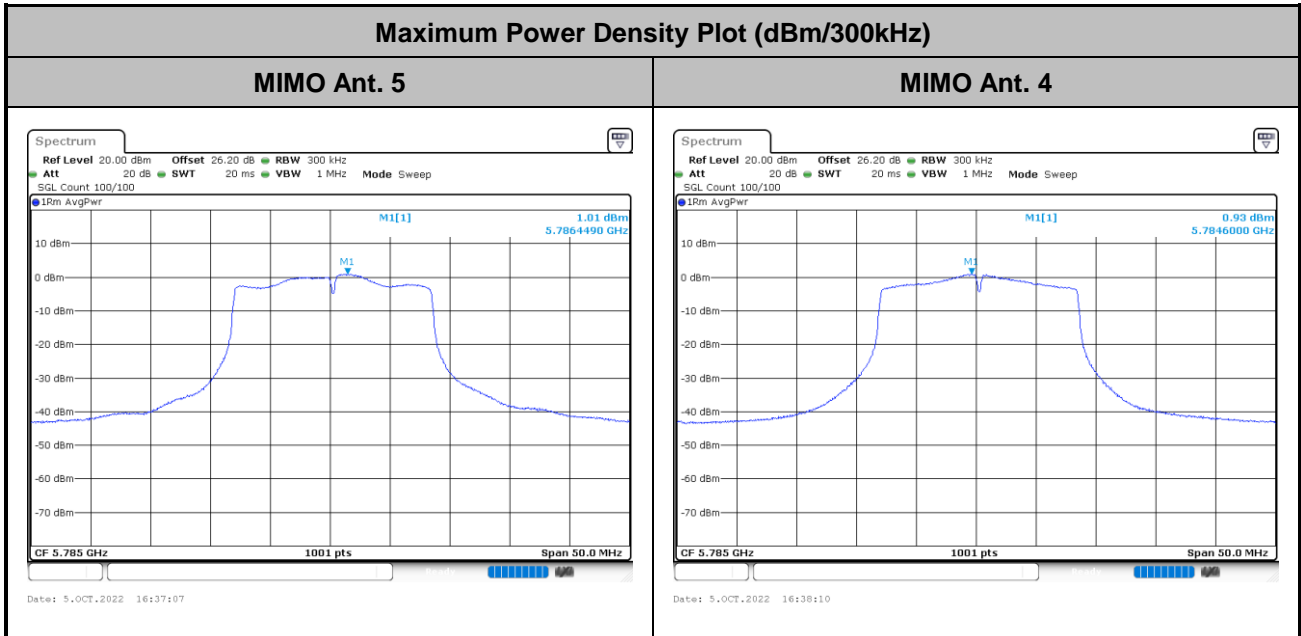




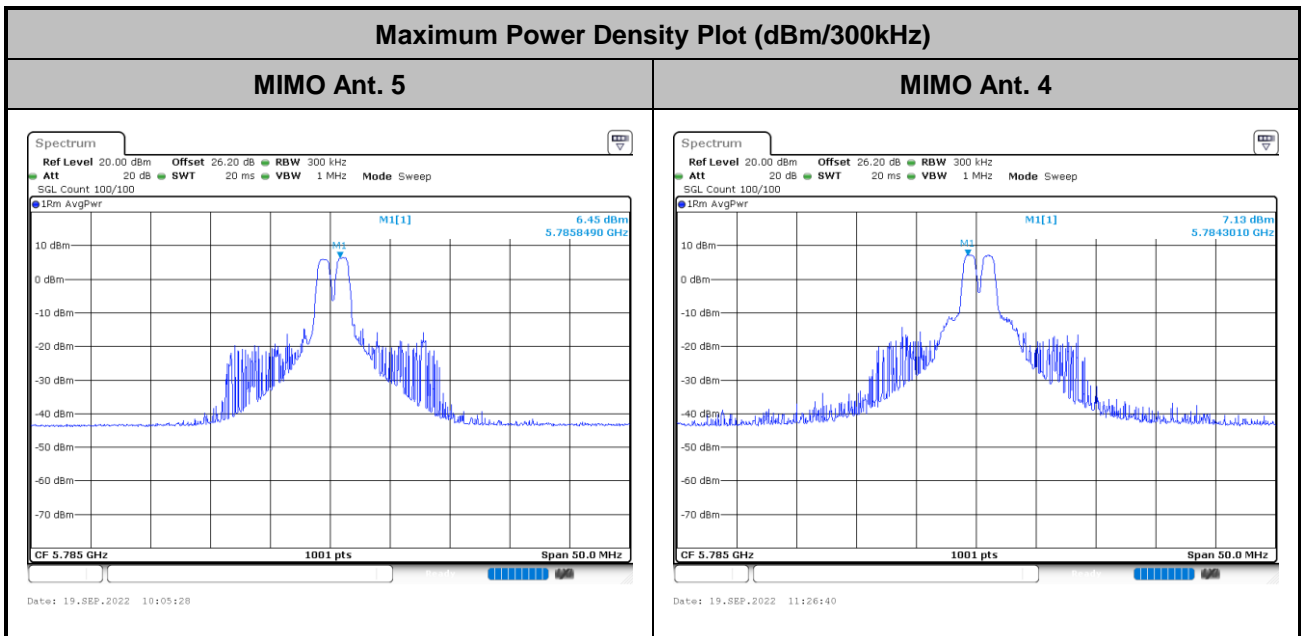
### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

<802.11a>

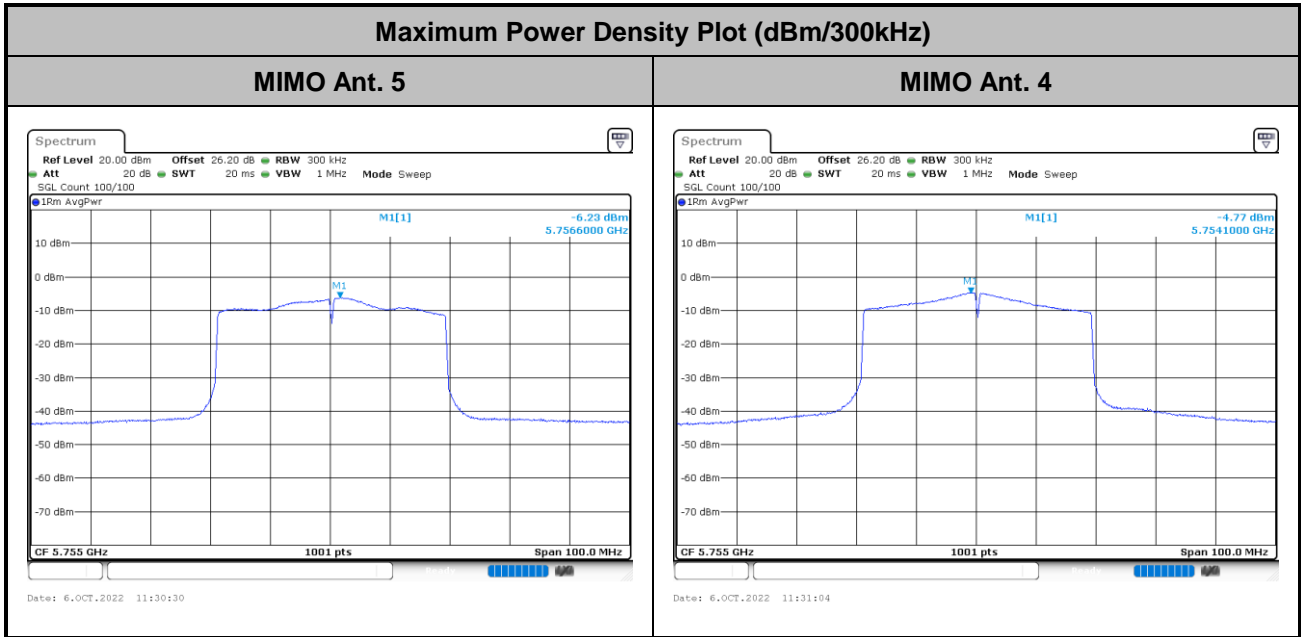


<802.11ax HE20>

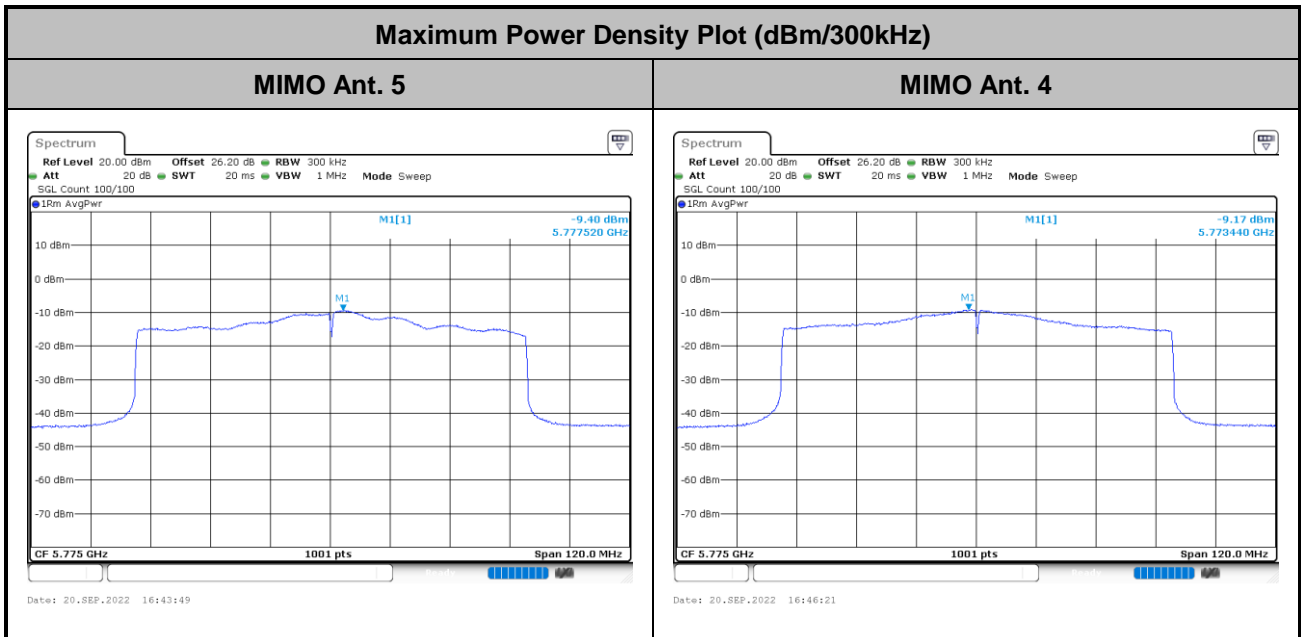




<802.11ax HE40>



<802.11ax HE80>



Note: Average Power Density (dB) = Measured value+ Duty Factor



### 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.

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

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 the ANSI C63.10 Section 11.12.2 Antenna-port conducted measurements.
2. Measure the conducted output power (in dBm) using the peak detector.
3. Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP.
4. Add the appropriate maximum ground reflection factor to the EIRP (6 dB for frequencies  $\leq$  30 MHz; 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive; and 0 dB for frequencies  $>$  1000 MHz).
5. Convert the resultant EIRP to an equivalent electric field strength using the following relationship:

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

where

E is the electric field strength in dB $\mu$ V/m

EIRP is the equivalent isotropically radiated power in dBm

d is the specified measurement distance in 3m

6. Compare the resultant electric field strength level with the applicable regulatory limit.
7. Corrected Reading for conducted spurious emission: Antenna Gain + Path Loss + MIMO Factor + Read Level = Level
8. Perform the cabinet radiated spurious emission test and verify radiated spurious emission with Antenna A and C
9. 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



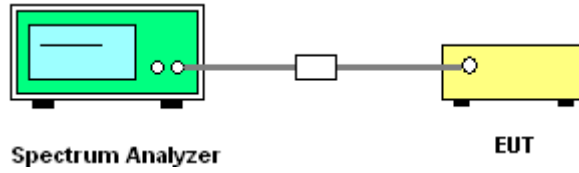
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.
10. 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.
  11. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
  12. 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.
  13. 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.
  14. 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 “-“..
  15. 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 “-“.

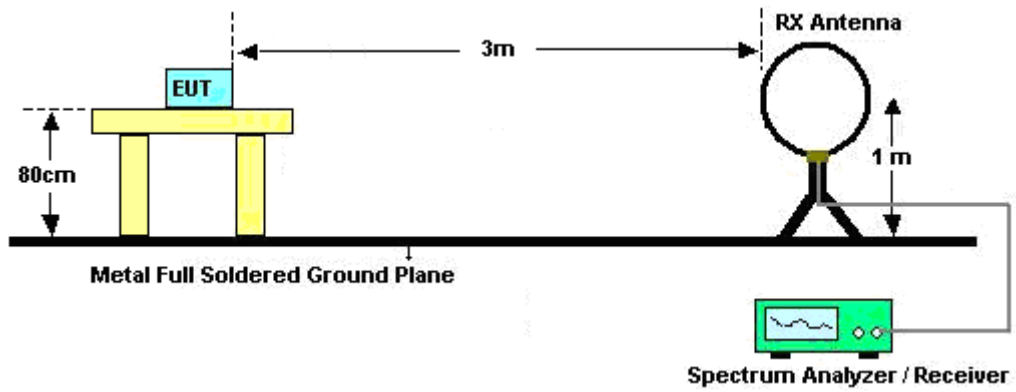


### 3.4.4 Test Setup

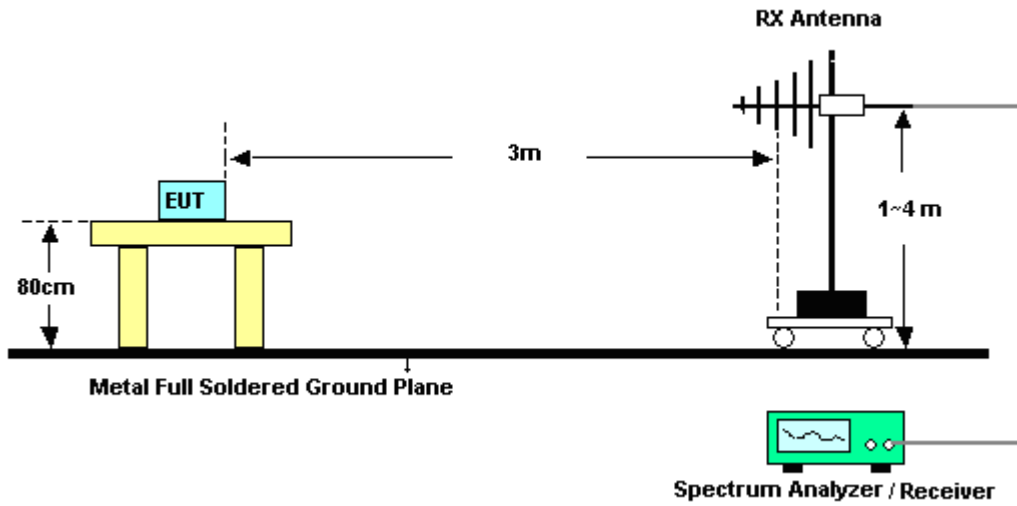
For Conducted Measurement Setup:



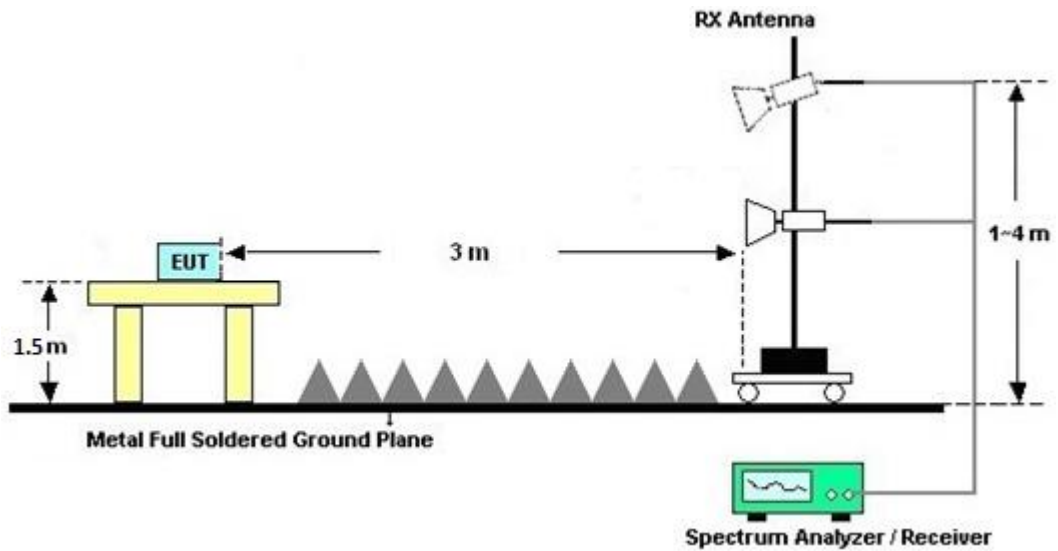
For radiated emissions below 30MHz



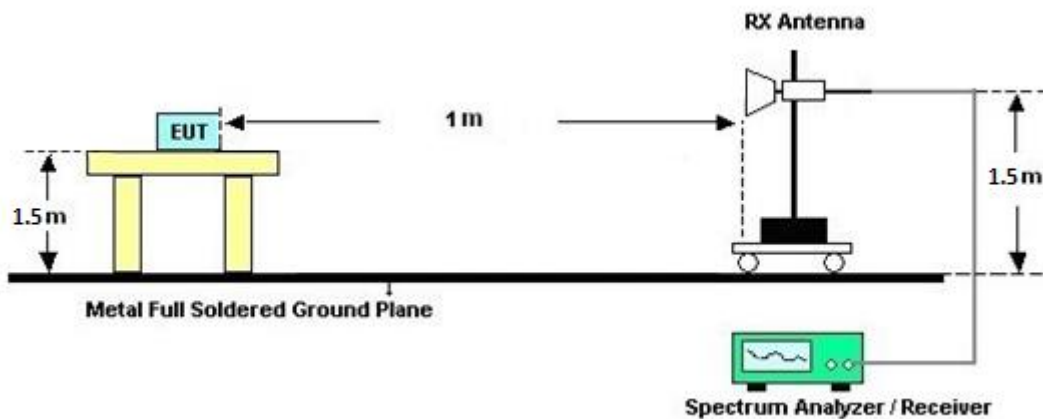
For radiated emissions from 30MHz to 1GHz



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 Conduced Spurious at Band Edges in the Restricted Band**

Please refer to Appendix B and C.

**3.4.7 Test Result of Conduced Spurious Emission in the Restricted Band**

Please refer to Appendix B and C.

**3.4.8 Test Result of Cabinet Radiated Spurious at Band Edges**

Please refer to Appendix D and E.

**3.4.9 Test Result of Cabinet Radiated Spurious Emissions (30MHz ~ 10th Harmonic)**

Please refer to Appendix D and E.

**3.4.10 Test Result of Radiated Spurious Emissions in the Restricted Band**

Please refer to Appendix F and G.

**3.4.11 Duty Cycle**

Please refer to Appendix H.



## **3.5 Antenna Requirements**

### **3.5.1 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.

### **3.5.2 Antenna Anti-Replacement Construction**

An embedded-in antenna design is used.



## 4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	May 13, 2022	Sep. 28, 2022~ Oct. 13, 2022	May 12, 2023	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 24, 2021	Sep. 28, 2022~ Oct. 13, 2022	Dec. 23, 2022	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 30, 2021	Sep. 28, 2022~ Oct. 13, 2022	Nov. 29, 2022	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 04, 2022	Sep. 28, 2022~ Oct. 13, 2022	Jul. 03, 2023	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Sep. 28, 2022~ Oct. 07, 2022	Feb. 05, 2023	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N -06	47020 & 06	30MHz~1GHz	Oct. 08, 2022	Oct. 08, 2022 ~ Oct. 13, 2022	Oct. 07, 2023	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Dec. 15, 2021	Sep. 28, 2022~ Oct. 13, 2022	Dec. 14, 2022	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1GHz~18GHz	Mar. 10, 2022	Sep. 28, 2022~ Oct. 13, 2022	Mar. 09, 2023	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 09, 2021	Sep. 28, 2022~ Oct. 13, 2022	Dec. 08, 2022	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 27, 2021	Sep. 28, 2022~ Oct. 13, 2022	Dec. 26, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	805935/4	N/A	Aug. 09, 2022	Sep. 28, 2022~ Oct. 13, 2022	Aug. 08, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	802434/4	N/A	Aug. 09, 2022	Sep. 28, 2022~ Oct. 13, 2022	Aug. 08, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5 757	N/A	Aug. 09, 2022	Sep. 28, 2022~ Oct. 13, 2022	Aug. 08, 2023	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Sep. 28, 2022~ Oct. 13, 2022	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Sep. 28, 2022~ Oct. 13, 2022	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Sep. 28, 2022~ Oct. 13, 2022	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Sep. 28, 2022~ Oct. 13, 2022	N/A	Radiation (03CH16-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Sep. 08, 2022~ Oct. 06, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO 10 (NO:248)	10MHz~6GHz	Dec. 29, 2021	Sep. 08, 2022~ Oct. 06, 2022	Dec. 28, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz(amp)	Aug. 03, 2022	Sep. 08, 2022~ Oct. 06, 2022	Aug. 02, 2023	Conducted (TH05-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	ROHDE & SCHWARZ	FSV40	101565	10Hz~40GHz	Dec. 29, 2021	Aug. 24, 2022~ Nov. 03, 2022	Dec. 28, 2022	CSE (TH05-HY)
Spectrum Analyzer	ROHDE & SCHWARZ	FSV40	101906	10Hz~40GHz	Aug. 09, 2022	Aug. 24, 2022~ Nov. 03, 2022	Aug. 08, 2023	CSE (TH05-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Aug. 24, 2022~ Nov. 03, 2022	Mar. 09, 2023	CSE (TH05-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 10, 2021	Aug. 24, 2022~ Nov. 03, 2022	Dec. 09, 2022	CSE (TH05-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30MHz~18GHz	Feb. 09, 2022	Aug. 24, 2022~ Nov. 03, 2022	Feb. 08, 2023	CSE (TH05-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 21, 2022	Aug. 24, 2022~ Nov. 03, 2022	Feb. 20, 2023	CSE (TH05-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz~40GHz	Feb. 21, 2022	Aug. 24, 2022~ Nov. 03, 2022	Feb. 20, 2023	CSE (TH05-HY)
Filter	Wainwright	WLKS1200-12 SS	SN2	1.2GHz Low Pass Filter	Mar. 15, 2022	Aug. 24, 2022~ Nov. 03, 2022	Mar. 14, 2023	CSE (TH05-HY)
Filter	Wainwright	7GHz High Pass Filter	SN96	7GHz High Pass Filter	Nov. 04, 2021	Aug. 24, 2022~ Nov. 02, 2022	Nov. 03, 2022	CSE (TH05-HY)
Filter	Wainwright	7GHz High Pass Filter	SN97	7GHz High Pass Filter	Nov. 04, 2021	Aug. 24, 2022~ Nov. 02, 2022	Nov. 03, 2022	CSE (TH05-HY)
Filter	Wainwright	7GHz High Pass Filter	SN98	7GHz High Pass Filter	Nov. 03, 2022	Nov. 03, 2022	Nov. 02, 2023	CSE (TH05-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN24	6.75GHz High Pass Filter	Aug. 05, 2022	Aug. 24, 2022~ Nov. 03, 2022	Aug. 04, 2023	CSE (TH05-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN17	6.75GHz High Pass Filter	May 23, 2022	Aug. 24, 2022~ Nov. 03, 2022	May 22, 2023	CSE (TH05-HY)



## 5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.8 dB
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.2 dB
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.8 dB
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**Appendix A. Test Result of Conducted Test Items**

Test Engineer:	Eason Huang	Temperature:	21~25	°C
Test Date:	2022/9/8~2022/10/06	Relative Humidity:	51~54	%



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

Band IV 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 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4		
11a	6Mbps	2	149	5745	16.38	16.38	19.55	19.55	15.24	15.19	0.5	Pass
11a	6Mbps	2	157	5785	16.33	16.33	19.25	19.60	15.19	15.19	0.5	Pass
11a	6Mbps	2	165	5825	16.38	16.43	19.55	20.55	15.24	15.19	0.5	Pass

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

Band IV MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 5	Ant 4	SUM	Ant 5	Ant 4	Ant 5	Ant 4	
11a	6Mbps	2	149	5745	14.30	14.60	17.46	28.27	28.27	7.73	7.73	Pass
11a	6Mbps	2	157	5785	16.70	16.80	19.76	28.27	28.27	7.73	7.73	Pass
11a	6Mbps	2	165	5825	15.10	15.10	18.11	28.27	28.27	7.73	7.73	Pass
HT20	MCS0	2	149	5745	13.40	13.80	16.61	28.27	28.27	7.73	7.73	Pass
HT20	MCS0	2	157	5785	15.40	16.40	18.94	28.27	28.27	7.73	7.73	Pass
HT20	MCS0	2	165	5825	13.10	14.50	16.87	28.27	28.27	7.73	7.73	Pass
HT40	MCS0	2	151	5755	12.80	13.40	16.12	28.27	28.27	7.73	7.73	Pass
HT40	MCS0	2	159	5795	13.40	13.80	16.61	28.27	28.27	7.73	7.73	Pass
VHT20	MCS0	2	149	5745	13.50	14.00	16.77	28.27	28.27	7.73	7.73	Pass
VHT20	MCS0	2	157	5785	15.60	16.50	19.08	28.27	28.27	7.73	7.73	Pass
VHT20	MCS0	2	165	5825	13.20	14.70	17.02	28.27	28.27	7.73	7.73	Pass
VHT40	MCS0	2	151	5755	12.90	13.50	16.22	28.27	28.27	7.73	7.73	Pass
VHT40	MCS0	2	159	5795	13.60	13.90	16.76	28.27	28.27	7.73	7.73	Pass
VHT80	MCS0	2	155	5775	12.30	12.50	15.41	28.27	28.27	7.73	7.73	Pass

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

Band IV 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 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	Ant 5	Ant 4	
11a	6Mbps	2	149	5745	2.22	0.76	1.22	4.23	28.27	28.27	7.73	7.73	Pass	
11a	6Mbps	2	157	5785	2.22	3.23	3.15	6.24	28.27	28.27	7.73	7.73	Pass	
11a	6Mbps	2	165	5825	2.22	0.40	1.52	4.53	28.27	28.27	7.73	7.73	Pass	

Note: PSD Sum = Max PSD(Ant. 5, Ant. 4) + 10 log (n)

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

Band IV 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 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4		
HE20	MCS0	2	149	5745	Full	18.83	18.88	20.75	21.05	18.90	15.34	0.5	Pass
HE20	MCS0	2	149	5745	26/0	18.93	19.08	21.25	21.00	2.20	17.14	0.5	Pass
HE20	MCS0	2	149	5745	52/37	18.58	18.73	21.45	22.90	17.19	17.19	0.5	Pass
HE20	MCS0	2	149	5745	106/53	18.63	18.78	26.10	23.05	17.19	17.79	0.5	Pass
HE20	MCS0	2	149	5745	242/61	19.28	19.38	22.85	31.20	19.14	19.19	0.5	Pass
HE20	MCS0	2	157	5785	Full	18.83	18.93	21.05	21.20	15.19	16.09	0.5	Pass
HE20	MCS0	2	157	5785	26/4	17.33	17.23	19.00	18.85	8.90	6.45	0.5	Pass
HE20	MCS0	2	157	5785	52/38	17.33	17.23	19.45	18.95	15.19	15.19	0.5	Pass
HE20	MCS0	2	157	5785	106/53	18.38	18.38	25.05	23.25	17.19	17.84	0.5	Pass
HE20	MCS0	2	157	5785	242/61	19.83	19.63	38.35	38.90	18.99	19.19	0.5	Pass
HE20	MCS0	2	165	5825	Full	18.88	18.98	21.05	21.05	15.69	15.19	0.5	Pass
HE20	MCS0	2	165	5825	26/8	18.83	18.53	20.60	20.40	2.11	2.16	0.5	Pass
HE20	MCS0	2	165	5825	52/40	18.43	18.33	20.85	21.05	17.14	17.09	0.5	Pass
HE20	MCS0	2	165	5825	106/54	18.48	18.33	22.30	20.90	17.24	17.29	0.5	Pass
HE20	MCS0	2	165	5825	242/61	19.13	23.02	25.30	43.03	19.14	19.19	0.5	Pass
HE40	MCS0	2	151	5755	Full	37.76	37.76	42.30	40.41	36.97	35.26	0.5	Pass
HE40	MCS0	2	151	5755	484/65	38.26	38.06	42.39	42.30	38.32	36.70	0.5	Pass
HE40	MCS0	2	159	5795	Full	37.76	38.06	40.41	42.57	35.26	36.43	0.5	Pass
HE40	MCS0	2	159	5795	484/65	38.76	39.66	55.17	66.87	38.23	38.32	0.5	Pass
HE80	MCS0	2	155	5775	Full	76.60	76.72	81.60	81.60	70.36	71.48	0.5	Pass
HE80	MCS0	2	155	5775	996/67	77.92	78.16	110.24	115.84	78.36	78.36	0.5	Pass

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

Band IV MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 5	Ant 4	SUM	Ant 5	Ant 4	Ant 5	Ant 4	
HE20	MCS0	2	149	5745	Full	13.60	14.10	16.87	28.27		7.73		Pass
HE20	MCS0	2	149	5745	26/0	13.60	13.40	16.51	28.27		7.73		Pass
HE20	MCS0	2	149	5745	52/37	13.90	13.80	16.86	28.27		7.73		Pass
HE20	MCS0	2	149	5745	106/53	14.40	14.00	17.21	28.27		7.73		Pass
HE20	MCS0	2	149	5745	242/61	13.60	14.70	17.20	28.27		7.73		Pass
HE20	MCS0	2	157	5785	Full	15.70	16.60	19.18	28.27		7.73		Pass
HE20	MCS0	2	157	5785	26/4	14.60	15.50	18.08	28.27		7.73		Pass
HE20	MCS0	2	157	5785	52/38	14.80	15.50	18.17	28.27		7.73		Pass
HE20	MCS0	2	157	5785	106/53	15.00	15.30	18.16	28.27		7.73		Pass
HE20	MCS0	2	157	5785	242/61	16.60	17.30	19.97	28.27		7.73		Pass
HE20	MCS0	2	165	5825	Full	13.30	14.80	17.12	28.27		7.73		Pass
HE20	MCS0	2	165	5825	26/8	13.20	15.40	17.45	28.27		7.73		Pass
HE20	MCS0	2	165	5825	52/40	14.50	15.50	18.04	28.27		7.73		Pass
HE20	MCS0	2	165	5825	106/54	14.40	15.40	17.94	28.27		7.73		Pass
HE20	MCS0	2	165	5825	242/61	16.10	17.10	19.64	28.27		7.73		Pass
HE40	MCS0	2	151	5755	Full	13.00	13.60	16.32	28.27		7.73		Pass
HE40	MCS0	2	151	5755	484/65	12.00	13.00	15.54	28.27		7.73		Pass
HE40	MCS0	2	159	5795	Full	13.70	14.00	16.86	28.27		7.73		Pass
HE40	MCS0	2	159	5795	484/65	13.40	13.90	16.67	28.27		7.73		Pass
HE80	MCS0	2	155	5775	Full	12.40	12.60	15.51	28.27		7.73		Pass
HE80	MCS0	2	155	5775	996/67	11.30	11.80	14.57	28.27		7.73		Pass

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

Band IV 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 5	Ant 4	Ant 5	Ant 4	SUM	Ant 5	Ant 4	Ant 5	Ant 4	
HE20	MCS0	2	149	5745	Full	2.22		-0.53	0.45	3.46	28.27		7.73	Pass	
HE20	MCS0	2	149	5745	26/0	2.22		7.19	7.02	10.20	28.27		7.73	Pass	
HE20	MCS0	2	149	5745	52/37	2.22		4.63	4.50	7.64	28.27		7.73	Pass	
HE20	MCS0	2	149	5745	106/53	2.22		0.15	1.81	4.82	28.27		7.73	Pass	
HE20	MCS0	2	149	5745	242/61	2.22		-1.79	-0.13	2.88	28.27		7.73	Pass	
HE20	MCS0	2	157	5785	Full	2.22		1.60	2.78	5.79	28.27		7.73	Pass	
HE20	MCS0	2	157	5785	26/4	2.22		8.67	9.35	12.36	28.27		7.73	Pass	
HE20	MCS0	2	157	5785	52/38	2.22		5.92	6.53	9.54	28.27		7.73	Pass	
HE20	MCS0	2	157	5785	106/53	2.22		3.52	3.19	6.53	28.27		7.73	Pass	
HE20	MCS0	2	157	5785	242/61	2.22		1.63	1.96	4.97	28.27		7.73	Pass	
HE20	MCS0	2	165	5825	Full	2.22		-0.79	1.18	4.19	28.27		7.73	Pass	
HE20	MCS0	2	165	5825	26/8	2.22		6.98	9.04	12.05	28.27		7.73	Pass	
HE20	MCS0	2	165	5825	52/40	2.22		4.79	6.58	9.59	28.27		7.73	Pass	
HE20	MCS0	2	165	5825	106/54	2.22		2.28	3.82	6.83	28.27		7.73	Pass	
HE20	MCS0	2	165	5825	242/61	2.22		0.94	2.09	5.10	28.27		7.73	Pass	
HE40	MCS0	2	151	5755	Full	2.22		-4.01	-2.55	0.46	28.27		7.73	Pass	
HE40	MCS0	2	151	5755	484/65	2.22		-6.56	-5.26	-2.25	28.27		7.73	Pass	
HE40	MCS0	2	159	5795	Full	2.22		-3.89	-3.42	-0.41	28.27		7.73	Pass	
HE40	MCS0	2	159	5795	484/65	2.22		-5.11	-5.06	-2.05	28.27		7.73	Pass	
HE80	MCS0	2	155	5775	Full	2.22		-7.18	-6.95	-3.94	28.27		7.73	Pass	
HE80	MCS0	2	155	5775	996/67	2.22		-10.09	-9.96	-6.95	28.27		7.73	Pass	

Note: PSD Sum = Max PSD(Ant. 5, Ant. 4) + 10 log (n)



## Appendix B. Conducted Spurious Emission

Test Engineer :	Kai Liao, Ken Wu and Nick Yu	Temperature :	21.5~25.9°C
		Relative Humidity :	45.3~64.5%

UNII 3 - 5725~5850MHz

WIFI 802.11a (Band Edge)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	MIMO	Grounding	Peak
Ant.				Limit	Line	Level	Gain	Loss	Factor	Factor	Avg.
4		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11a CH 149 5745MHz		5608	-30.04	-3.04	-27	-42.57	7.73	1.79	3.01	0	P
		5698.4	-18.69	-27.51	8.82	-31.16	7.73	1.73	3.01	0	P
		5717.6	-8.78	-23.71	14.93	-21.24	7.73	1.72	3.01	0	P
		5725	2.37	-24.63	27	-10.08	7.73	1.71	3.01	0	P
	*	5745	23.21	-	-	10.77	7.73	1.7	3.01	0	P
	*	5745	12.96	-	-	0.52	7.73	1.7	3.01	0	A
802.11a CH 157 5785MHz		5644.8	-30.81	-3.81	-27	-43.31	7.73	1.76	3.01	0	P
		5695	-26.51	-32.82	6.31	-38.98	7.73	1.73	3.01	0	P
		5711.2	-21.74	-34.88	13.14	-34.2	7.73	1.72	3.01	0	P
		5720.6	-22.6	-39.57	16.97	-35.06	7.73	1.72	3.01	0	P
	*	5785	24.37	-	-	11.96	7.73	1.67	3.01	0	P
	*	5785	14.84	-	-	2.43	7.73	1.67	3.01	0	A
		5850.37	-23.25	-49.41	26.16	-35.64	7.73	1.65	3.01	0	P
		5858.98	-23.37	-37.85	14.48	-35.76	7.73	1.65	3.01	0	P
		5878.045	-25.02	-32.76	7.74	-37.4	7.73	1.64	3.01	0	P
		5935.855	-36.31	-9.31	-27	-48.73	7.73	1.68	3.01	0	P
802.11a CH 165 5825MHz	*	5825	22.04	-	-	9.65	7.73	1.65	3.01	0	P
	*	5825	12.62	-	-	0.23	7.73	1.65	3.01	0	A
		5851.6	-5.94	-29.29	23.35	-18.33	7.73	1.65	3.01	0	P
		5859.2	-14.96	-29.38	14.42	-27.35	7.73	1.65	3.01	0	P
		5878.4	-19.92	-27.39	7.47	-32.3	7.73	1.64	3.01	0	P
		5930	-31.71	-4.71	-27	-44.12	7.73	1.67	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 5725~5850MHz
WIFI 802.11a (Harmonic)

Table with 12 columns: WIFI Ant. 4, Note, Frequency (MHz), Level (dBm), Over Limit (dB), Limit Line (dBm), Read Level (dBm), Antenna Gain (dBi), Path Loss (dB), MIMO Factor (dB), Grounding Factor (dB), Peak Avg. (P/A). Rows include data for channels 149, 157, and 165 at various frequencies.





UNII 3 - 5725~5850MHz

WIFI 802.11ax HE20 Full (Band Edge)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	MIMO	Grounding	Peak
Ant.				Limit	Line	Level	Gain	Loss	Factor	Factor	Avg.
4		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE20 Full CH 149 5745MHz		5649.6	-34.2	-7.2	-27	-46.7	7.73	1.76	3.01	0	P
		5698.6	-17.69	-26.66	8.97	-30.16	7.73	1.73	3.01	0	P
		5720	-10.4	-26	15.6	-22.86	7.73	1.72	3.01	0	P
		5725	-3.18	-30.18	27	-15.63	7.73	1.71	3.01	0	P
	*	5745	22.38	-	-	9.94	7.73	1.7	3.01	0	P
	*	5745	11.76	-	-	-0.68	7.73	1.7	3.01	0	A
802.11ax HE20 Full CH 157 5785MHz		5646.8	-32.33	-5.33	-27	-44.83	7.73	1.76	3.01	0	P
		5699.6	-23.14	-32.85	9.71	-35.61	7.73	1.73	3.01	0	P
		5719.4	-21.28	-36.71	15.43	-33.74	7.73	1.72	3.01	0	P
		5723.6	-20.38	-44.19	23.81	-32.83	7.73	1.71	3.01	0	P
	*	5785	26.02	-	-	13.61	7.73	1.67	3.01	0	P
	*	5785	13.96	-	-	1.55	7.73	1.67	3.01	0	A
		5851.805	-18.05	-40.93	22.88	-30.44	7.73	1.65	3.01	0	P
		5862.875	-16	-29.39	13.39	-28.39	7.73	1.65	3.01	0	P
		5889.73	-20.92	-19.99	-0.93	-33.3	7.73	1.64	3.01	0	P
802.11ax HE20 Full CH 165 5825MHz		5927.245	-33.16	-6.16	-27	-45.57	7.73	1.67	3.01	0	P
	*	5825	22.38	-	-	9.99	7.73	1.65	3.01	0	P
	*	5825	12.05	-	-	-0.34	7.73	1.65	3.01	0	A
		5852.4	-10.31	-31.84	21.53	-22.7	7.73	1.65	3.01	0	P
		5855.6	-13.32	-28.75	15.43	-25.71	7.73	1.65	3.01	0	P
		5875.6	-19.81	-29.36	9.55	-32.19	7.73	1.64	3.01	0	P
	5926	-31.87	-4.87	-27	-44.28	7.73	1.67	3.01	0	P	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic)

WIFI Ant. 4	Note	Frequency ( MHz )	Level ( dBm )	Over Limit ( dB )	Limit Line ( dBm )	Read Level ( dBm )	Antenna Gain ( dBi )	Path Loss ( dB )	MIMO Factor ( dB )	Ground ing Factor ( dB )	Peak Avg. (P/A)
802.11ax HE20 Full CH 149 5745MHz		7660.7	-46.41	-25.21	-21.2	-60.46	7.73	3.31	3.01	0	P
		7660.7	-47.17	-5.97	-41.2	-61.22	7.73	3.31	3.01	0	A
802.11ax HE20 Full CH 157 5785MHz		11490	-63.55	-42.35	-21.2	-77.9	7.73	3.61	3.01	0	P
		17235	-62.77	-35.77	-27	-77.9	7.73	4.39	3.01	0	P
802.11ax HE20 Full CH 165 5825MHz		7712.2	-46.14	-24.94	-21.2	-60.17	7.73	3.29	3.01	0	P
		7712.2	-47.64	-6.44	-41.2	-61.67	7.73	3.29	3.01	0	A
802.11ax HE20 Full CH 165 5825MHz		11570	-59.6	-38.4	-21.2	-74.03	7.73	3.69	3.01	0	P
		17355	-60.27	-33.27	-27	-75.36	7.73	4.35	3.01	0	P
802.11ax HE20 Full CH 165 5825MHz		7766	-46.79	-19.79	-27	-60.8	7.73	3.27	3.01	0	P
		7766	-47.57	-6.37	-41.2	-61.58	7.73	3.27	3.01	0	A
802.11ax HE20 Full CH 165 5825MHz		11650	-64.56	-43.36	-21.2	-79.11	7.73	3.81	3.01	0	P
		17475	-57.9	-30.9	-27	-72.95	7.73	4.31	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 - 5725~5850MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	MIMO	Grounding	Peak
Ant.				Limit	Line	Level	Gain	Loss	Factor	Factor	Avg.
4		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE20 Partial 26/0 CH 149 5745MHz		5641.2	-31.97	-4.97	-27	-44.48	7.73	1.77	3.01	0	P
		5696.2	-14.73	-21.93	7.2	-27.2	7.73	1.73	3.01	0	P
		5702	-9.45	-20.01	10.56	-21.92	7.73	1.73	3.01	0	P
		5725	-13.79	-40.79	27	-26.24	7.73	1.71	3.01	0	P
	*	5745	29	-	-	16.56	7.73	1.7	3.01	0	P
	*	5745	20.41	-	-	7.97	7.73	1.7	3.01	0	A
802.11ax HE20 Partial 26/4 CH 157 5785MHz		5632.2	-37.52	-10.52	-27	-50.03	7.73	1.77	3.01	0	P
		5685.4	-31.5	-30.73	-0.77	-43.98	7.73	1.74	3.01	0	P
		5717.8	-24.91	-39.9	14.99	-37.37	7.73	1.72	3.01	0	P
		5721.8	-25.04	-44.75	19.71	-37.5	7.73	1.72	3.01	0	P
	*	5785	29.76	-	-	17.35	7.73	1.67	3.01	0	P
	*	5785	21.28	-	-	8.87	7.73	1.67	3.01	0	A
		5853.24	-27.27	-46.88	19.61	-39.66	7.73	1.65	3.01	0	P
		5856.725	-24.68	-39.8	15.12	-37.07	7.73	1.65	3.01	0	P
	5889.935	-31.71	-30.63	-1.08	-44.09	7.73	1.64	3.01	0	P	
	5934.215	-37.1	-10.1	-27	-49.52	7.73	1.68	3.01	0	P	
802.11ax HE20 Partial 26/8 CH 165 5825MHz	*	5825	29.05	-	-	16.66	7.73	1.65	3.01	0	P
	*	5825	19.98	-	-	7.59	7.73	1.65	3.01	0	A
		5851.4	-22.59	-46.4	23.81	-34.98	7.73	1.65	3.01	0	P
		5873.2	-16.51	-27.01	10.5	-28.89	7.73	1.64	3.01	0	P
		5875.6	-17.78	-27.33	9.55	-30.16	7.73	1.64	3.01	0	P
		5948.8	-35.71	-8.71	-27	-48.14	7.73	1.69	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 5725~5850MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic)

WIFI Ant. 4	Note	Frequency ( MHz )	Level ( dBm )	Over Limit ( dB )	Limit Line ( dBm )	Read Level ( dBm )	Antenna Gain ( dBi )	Path Loss ( dB )	MIMO Factor ( dB )	Grounding Factor ( dB )	Peak Avg. (P/A)
802.11ax HE20 Partial 26/0 CH 149 5745MHz		7660.7	-46.8	-25.6	-21.2	-60.85	7.73	3.31	3.01	0	P
		7660.7	-47.42	-6.22	-41.2	-61.47	7.73	3.31	3.01	0	A
		11490	-57.12	-35.92	-21.2	-71.47	7.73	3.61	3.01	0	P
		17235	-61.6	-34.6	-27	-76.73	7.73	4.39	3.01	0	P
802.11ax HE20 Partial 26/4 CH 157 5785MHz		7715.62	-44.49	-23.29	-21.2	-58.79	7.73	3.56	3.01	0	P
		7715.62	-48.82	-7.62	-41.2	-63.12	7.73	3.56	3.01	0	A
		11570	-52.15	-30.95	-21.2	-66.47	7.73	3.58	3.01	0	P
		17355	-53.16	-26.16	-27	-68.39	7.73	4.49	3.01	0	P
802.11ax HE20 Partial 26/8 CH 165 5825MHz		7766.72	-45.64	-18.64	-27	-59.9	7.73	3.52	3.01	0	P
		7766.72	-45.18	-3.98	-41.2	-59.44	7.73	3.52	3.01	0	A
		11650	-60.51	-39.31	-21.2	-74.93	7.73	3.68	3.01	0	P
		17475	-59.17	-32.17	-27	-74.35	7.73	4.44	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 - 5725~5850MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Gain	Path Loss	MIMO Factor	Grounding Factor	Peak Avg.
4		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE20 Partial 52/37 CH 149 5745MHz		5645.2	-31.46	-4.46	-27	-43.96	7.73	1.76	3.01	0	P
		5699.4	-21.08	-30.64	9.56	-33.55	7.73	1.73	3.01	0	P
		5718.8	-16.37	-31.63	15.26	-28.83	7.73	1.72	3.01	0	P
		5723.2	-16.27	-39.17	22.9	-28.72	7.73	1.71	3.01	0	P
	*	5745	27.88	54.88	-27	15.44	7.73	1.7	3.01	0	P
	*	5745	18.21	59.41	-41.2	5.77	7.73	1.7	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 - 5725~5850MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Gain	Path Loss	MIMO Factor	Grounding Factor	Peak Avg.
4		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE20 Partial 106/53 CH 149 5745MHz		5646.4	-30.51	-3.51	-27	-43.01	7.73	1.76	3.01	0	P
		5697	-18.19	-25.98	7.79	-30.66	7.73	1.73	3.01	0	P
		5713.8	-8.68	-22.55	13.87	-21.14	7.73	1.72	3.01	0	P
		5720.4	-6.76	-23.27	16.51	-19.22	7.73	1.72	3.01	0	P
	*	5745	26.04	-	-	13.6	7.73	1.7	3.01	0	P
	*	5745	15.75	-	-	3.31	7.73	1.7	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 - 5725~5850MHz

WIFI 802.11ax HE20 Partial 242 (Band Edge)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Gain	Path Loss	MIMO Factor	Grounding Factor	Peak Avg.
4		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE20 Partial 242/61 CH 149 5745MHz		5647	-29.08	-2.08	-27	-41.58	7.73	1.76	3.01	0	P
		5699	-18.2	-27.46	9.26	-30.67	7.73	1.73	3.01	0	P
		5719	-10.46	-25.78	15.32	-22.92	7.73	1.72	3.01	0	P
		5724.4	-4.9	-30.53	25.63	-17.35	7.73	1.71	3.01	0	P
	*	5745	22.56	-	-	10.12	7.73	1.7	3.01	0	P
	*	5745	11.84	-	-	-0.6	7.73	1.7	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 - 5725~5850MHz

WIFI 802.11ax HE40 Full (Band Edge)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Gain	Path Loss	MIMO Factor	Grounding Factor	Peak Avg.
4		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE40 Full CH 151 5755MHz		5639.6	-30.48	-3.48	-27	-42.99	7.73	1.77	3.01	0	P
		5697.2	-19.7	-27.64	7.94	-32.17	7.73	1.73	3.01	0	P
		5720	-12.55	-28.15	15.6	-25.01	7.73	1.72	3.01	0	P
		5721.2	-9.17	-27.51	18.34	-21.63	7.73	1.72	3.01	0	P
	*	5755	19.39	-	-	6.96	7.73	1.69	3.01	0	P
	*	5755	7.61	-	-	-4.82	7.73	1.69	3.01	0	A
		5855	-29.71	-45.31	15.6	-42.1	7.73	1.65	3.01	0	P
		5865.335	-30.86	-43.56	12.7	-43.25	7.73	1.65	3.01	0	P
		5899.365	-29.54	-21.47	-8.07	-41.92	7.73	1.64	3.01	0	P
802.11ax HE40 Full CH 159 5795MHz		5940.98	-35.76	-8.76	-27	-48.18	7.73	1.68	3.01	0	P
		5646.6	-30.54	-3.54	-27	-43.04	7.73	1.76	3.01	0	P
		5658.4	-23.16	-2.4	-20.76	-35.65	7.73	1.75	3.01	0	P
		5719.6	-20.1	-35.59	15.49	-32.56	7.73	1.72	3.01	0	P
		5721.4	-20.43	-39.22	18.79	-32.89	7.73	1.72	3.01	0	P
	*	5795	20.31	-	-	7.91	7.73	1.66	3.01	0	P
	*	5795	8.96	-	-	-3.44	7.73	1.66	3.01	0	A
		5852.83	-14.44	-34.99	20.55	-26.83	7.73	1.65	3.01	0	P
		5865.54	-18.52	-31.17	12.65	-30.91	7.73	1.65	3.01	0	P
	5918.225	-23.64	-1.64	-22	-36.04	7.73	1.66	3.01	0	P	
	5927.245	-28.86	-1.86	-27	-41.27	7.73	1.67	3.01	0	P	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										





UNII 3 5725~5850MHz

WIFI 802.11ax HE40 Full (Harmonic)

WIFI Ant. 4	Note	Frequency ( MHz )	Level ( dBm )	Over Limit ( dB )	Limit Line ( dBm )	Read Level ( dBm )	Antenna Gain ( dBi )	Path Loss ( dB )	MIMO Factor ( dB )	Grounding Factor ( dB )	Peak Avg. ( P/A )
802.11ax HE40 Full CH 151 5755MHz		11570	-66.15	-44.95	-21.2	-80.58	7.73	3.69	3.01	0	P
		17265	-62.21	-35.21	-27	-77.33	7.73	4.38	3.01	0	P
802.11ax HE40 Full CH 159 5795MHz		7727.65	-46.75	-25.55	-21.2	-60.77	7.73	3.28	3.01	0	P
		7727.65	-47.52	-6.32	-41.2	-61.54	7.73	3.28	3.01	0	A
		11590	-61.13	-39.93	-21.2	-75.6	7.73	3.73	3.01	0	P
		17385	-61.34	-34.34	-27	-76.42	7.73	4.34	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 - 5725~5850MHz

WIFI 802.11ax HE40 Partial 484 (Band Edge)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	MIMO	Grounding	Peak
Ant.				Limit	Line	Level	Gain	Loss	Factor	Factor	Avg.
4		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE40 Partial 484/65 CH 151 5755MHz		5645.8	-35.01	-8.01	-27	-47.51	7.73	1.76	3.01	0	P
		5699.4	-20.2	-29.76	9.56	-32.67	7.73	1.73	3.01	0	P
		5718.8	-15.39	-30.65	15.26	-27.85	7.73	1.72	3.01	0	P
		5722	-13.06	-33.22	20.16	-25.52	7.73	1.72	3.01	0	P
	*	5755	17.74	-	-	5.31	7.73	1.69	3.01	0	P
	*	5755	6.9	-	-	-5.53	7.73	1.69	3.01	0	A
		5849.96	-34.11	-73.11	39	-46.5	7.73	1.65	3.01	0	P
		5857.75	-34.21	-49.04	14.83	-46.6	7.73	1.65	3.01	0	P
		5883.17	-35.26	-39.19	3.93	-47.64	7.73	1.64	3.01	0	P
	5934.01	-36.67	-9.67	-27	-49.09	7.73	1.68	3.01	0	P	
802.11ax HE40 Partial 484/65 CH 159 5795MHz		5614.6	-33.33	-6.33	-27	-45.85	7.73	1.78	3.01	0	P
		5699	-25.83	-35.09	9.26	-38.3	7.73	1.73	3.01	0	P
		5719.8	-18.18	-33.72	15.54	-30.64	7.73	1.72	3.01	0	P
		5723	-18.72	-41.16	22.44	-31.17	7.73	1.71	3.01	0	P
	*	5795	19.17	-	-	6.77	7.73	1.66	3.01	0	P
	*	5795	8.62	-	-	-3.78	7.73	1.66	3.01	0	A
		5850.575	-22.5	-48.19	25.69	-34.89	7.73	1.65	3.01	0	P
		5871.28	-24.45	-35.49	11.04	-36.84	7.73	1.65	3.01	0	P
		5880.71	-24.38	-30.14	5.76	-36.76	7.73	1.64	3.01	0	P
	5934.83	-33.16	-6.16	-27	-45.58	7.73	1.68	3.01	0	P	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



**UNII 3 - 5725~5850MHz**

**WIFI 802.11ax HE80 Full (Band Edge)**

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Gain	Path Loss	MIMO Factor	Grounding Factor	Peak Avg.
4		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
<b>802.11ax HE80 Full CH 155 5775MHz</b>		5649	-28.68	-1.68	-27	-41.18	7.73	1.76	3.01	0	P
		5697.2	-19.6	-27.54	7.94	-32.07	7.73	1.73	3.01	0	P
		5719.8	-15.31	-30.85	15.54	-27.77	7.73	1.72	3.01	0	P
		5722.2	-15.5	-36.12	20.62	-27.96	7.73	1.72	3.01	0	P
	*	5775	16.7	-	-	4.29	7.73	1.67	3.01	0	P
	*	5775	4.01	-	-	-8.4	7.73	1.67	3.01	0	A
		5853.445	-24.45	-43.6	19.15	-36.84	7.73	1.65	3.01	0	P
		5873.74	-22.87	-33.22	10.35	-35.25	7.73	1.64	3.01	0	P
		5876.815	-25.13	-33.78	8.65	-37.51	7.73	1.64	3.01	0	P
	5928.475	-33.74	-6.74	-27	-46.15	7.73	1.67	3.01	0	P	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 5725~5850MHz

WIFI 802.11ax HE80 Full (Harmonic)

WIFI Ant. 4	Note	Frequency ( MHz )	Level ( dBm )	Over Limit ( dB )	Limit Line ( dBm )	Read Level ( dBm )	Antenna Gain ( dBi )	Path Loss ( dB )	MIMO Factor ( dB )	Grounding Factor ( dB )	Peak Avg. (P/A)
802.11ax HE80 Full CH 155 5775MHz		7700	-46.2	-25	-21.2	-60.23	7.73	3.29	3.01	0	P
		7700	-46.74	-5.54	-41.2	-60.77	7.73	3.29	3.01	0	A
		11550	-65.49	-44.29	-21.2	-79.92	7.73	3.69	3.01	0	P
		17325	-61.06	-34.06	-27	-76.16	7.73	4.36	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



**UNII 3 - 5725~5850MHz**

**WIFI 802.11ax HE80 Partial 996 (Band Edge)**

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Gain	Path Loss	MIMO Factor	Grounding Factor	Peak Avg.
4		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE80 Partial 996/67 CH 155 5775MHz		5648.6	-29.91	-2.91	-27	-42.41	7.73	1.76	3.01	0	P
		5686.6	-22.29	-22.41	0.12	-34.77	7.73	1.74	3.01	0	P
		5717.6	-15.25	-30.18	14.93	-27.71	7.73	1.72	3.01	0	P
		5721.6	-14.89	-34.14	19.25	-27.35	7.73	1.72	3.01	0	P
	*	5775	14.57	-	-	2.16	7.73	1.67	3.01	0	P
	*	5775	3.19	-	-	-9.22	7.73	1.67	3.01	0	A
		5851.805	-26.28	-49.16	22.88	-38.67	7.73	1.65	3.01	0	P
		5865.335	-24.29	-36.99	12.7	-36.68	7.73	1.65	3.01	0	P
		5877.635	-27.73	-35.77	8.04	-40.11	7.73	1.64	3.01	0	P
	5928.065	-32.38	-5.38	-27	-44.79	7.73	1.67	3.01	0	P	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



Emission above 25GHz

5GHz WIFI 802.11ax HE40 Full (SHF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	MIMO	Grounding	Peak
Ant.				Limit	Line	Level	Gain	Loss	Factor	Factor	Avg.
4		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
5GHz 802.11ax HE40 Full SHF		39952	-46.41	-25.21	-21.2	-71.7	7.73	14.55	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



Emission below 1GHz

5GHz WIFI 802.11ax HE40 Full (LF)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Gain	Path Loss	MIMO Factor	Grounding Factor	Peak Avg.
4		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
5GHz 802.11ax HE40 Full LF		45.12	-74.62	-19.42	-55.2	-90.25	7.73	0.19	3.01	4.7	P
		204.69	-74.22	-22.52	-51.7	-90.13	7.73	0.47	3.01	4.7	P
		254.37	-74	-24.8	-49.2	-89.92	7.73	0.48	3.01	4.7	P
		470.8	-73.35	-24.15	-49.2	-89.42	7.73	0.63	3.01	4.7	P
		691.3	-73.52	-24.32	-49.2	-89.81	7.73	0.85	3.01	4.7	P
		900.6	-72.62	-23.42	-49.2	-89.07	7.73	1.01	3.01	4.7	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 - 5725~5850MHz

WIFI 802.11a (Band Edge)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	MIMO	Grounding	Peak
Ant.				Limit	Line	Level	Gain	Loss	Factor	Factor	Avg.
5		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11a CH 149 5745MHz		5648.4	-29.7	-2.7	-27	-41.84	7.73	1.4	3.01	0	P
		5689.4	-15.98	-18.16	2.18	-28.11	7.73	1.39	3.01	0	P
		5720	-11.55	-27.15	15.6	-23.66	7.73	1.37	3.01	0	P
		5724.6	-10.77	-36.86	26.09	-22.87	7.73	1.36	3.01	0	P
	*	5745	21.71	-	-	9.64	7.73	1.33	3.01	0	P
	*	5745	12.42	-	-	0.35	7.73	1.33	3.01	0	A
802.11a CH 157 5785MHz		5645.2	-29.88	-2.88	-27	-42.02	7.73	1.4	3.01	0	P
		5699.6	-24.78	-34.49	9.71	-36.91	7.73	1.39	3.01	0	P
		5718.2	-18.42	-33.52	15.1	-30.53	7.73	1.37	3.01	0	P
		5720.8	-17.52	-34.94	17.42	-29.63	7.73	1.37	3.01	0	P
	*	5785	23.19	-	-	11.16	7.73	1.29	3.01	0	P
	*	5785	14.28	-	-	2.25	7.73	1.29	3.01	0	A
		5853.855	-16.65	-34.86	18.21	-28.75	7.73	1.36	3.01	0	P
		5858.365	-14.62	-29.28	14.66	-26.72	7.73	1.36	3.01	0	P
		5878.865	-20.96	-28.09	7.13	-33.11	7.73	1.41	3.01	0	P
	5931.755	-28.67	-1.67	-27	-40.87	7.73	1.46	3.01	0	P	
802.11a CH 165 5825MHz	*	5825	22.55	-	-	10.13	7.73	1.68	3.01	0	P
	*	5825	12.51	-	-	0.09	7.73	1.68	3.01	0	A
		5851	-14.49	-39.21	24.72	-26.9	7.73	1.67	3.01	0	P
		5858.8	-11.48	-26.01	14.53	-23.89	7.73	1.67	3.01	0	P
		5917.8	-24.65	-2.96	-21.69	-37.07	7.73	1.68	3.01	0	P
		5935.8	-29.15	-2.15	-27	-41.59	7.73	1.7	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										





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

WIFI Ant. 5	Note	Frequency ( MHz )	Level ( dBm )	Over Limit ( dB )	Limit Line ( dBm )	Read Level ( dBm )	Antenna Gain ( dBi )	Path Loss ( dB )	MIMO Factor ( dB )	Ground ing Factor ( dB )	Peak Avg. ( P/A )
<b>802.11a CH 149 5745MHz</b>		7660	-42.92	-21.72	-21.2	-57.24	7.73	3.58	3.01	0	P
		7660	-43.49	-2.29	-41.2	-57.81	7.73	3.58	3.01	0	A
		11490	-69.84	-48.64	-21.2	-84.09	7.73	3.51	3.01	0	P
		17235	-63.78	-36.78	-27	-79.07	7.73	4.55	3.01	0	P
<b>802.11a CH 157 5785MHz</b>		7712.2	-42.8	-21.6	-21.2	-57.1	7.73	3.56	3.01	0	P
		7712.2	-43.77	-2.57	-41.2	-58.07	7.73	3.56	3.01	0	A
		11570	-67.44	-46.24	-21.2	-81.76	7.73	3.58	3.01	0	P
		17355	-64.28	-37.28	-27	-79.51	7.73	4.49	3.01	0	P
<b>802.11a CH 165 5825MHz</b>		7768.85	-43.76	-16.76	-27	-58.02	7.73	3.52	3.01	0	P
		7768.85	-44.17	-2.97	-41.2	-58.43	7.73	3.52	3.01	0	A
		11650	-68.24	-47.04	-21.2	-82.66	7.73	3.68	3.01	0	P
		17475	-64.28	-37.28	-27	-79.46	7.73	4.44	3.01	0	P
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 - 5725~5850MHz

WIFI 802.11ax HE20 Full (Band Edge)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	MIMO	Grounding	Peak
Ant.				Limit	Line	Level	Gain	Loss	Factor	Factor	Avg.
5		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE20 Full CH 149 5745MHz		5638	-29.19	-2.19	-27	-41.7	7.73	1.77	3.01	0	P
		5652.2	-28.47	-3.11	-25.36	-40.98	7.73	1.77	3.01	0	P
		5719.2	-9.83	-25.21	15.38	-22.31	7.73	1.74	3.01	0	P
		5725	-5.41	-32.41	27	-17.88	7.73	1.73	3.01	0	P
	*	5745	22.35	-	-	9.89	7.73	1.72	3.01	0	P
	*	5745	11.95	-	-	-0.51	7.73	1.72	3.01	0	A
802.11ax HE20 Full CH 157 5785MHz		5649	-28.93	-1.93	-27	-41.44	7.73	1.77	3.01	0	P
		5652.6	-26.61	-1.54	-25.07	-39.12	7.73	1.77	3.01	0	P
		5719	-14.38	-29.7	15.32	-26.86	7.73	1.74	3.01	0	P
		5720.6	-17.29	-34.26	16.97	-29.77	7.73	1.74	3.01	0	P
	*	5785	24.48	-	-	12.04	7.73	1.7	3.01	0	P
	*	5785	13.72	-	-	1.28	7.73	1.7	3.01	0	A
		5850.575	-18.33	-44.02	25.69	-30.74	7.73	1.67	3.01	0	P
		5860.825	-16.98	-30.95	13.97	-29.39	7.73	1.67	3.01	0	P
		5920.48	-28.68	-5.01	-23.67	-41.1	7.73	1.68	3.01	0	P
	5947.13	-29.45	-2.45	-27	-41.9	7.73	1.71	3.01	0	P	
802.11ax HE20 Full CH 165 5825MHz	*	5825	23.27	-	-	10.85	7.73	1.68	3.01	0	P
	*	5825	11.66	-	-	-0.76	7.73	1.68	3.01	0	A
		5850	-13.13	-40.13	27	-25.54	7.73	1.67	3.01	0	P
		5856.2	-17.44	-32.7	15.26	-29.85	7.73	1.67	3.01	0	P
		5878.4	-20.43	-27.9	7.47	-32.84	7.73	1.67	3.01	0	P
		5944.6	-31.9	-4.9	-27	-44.35	7.73	1.71	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



**UNII 3 5725~5850MHz**

**WIFI 802.11ax HE20 Full (Harmonic)**

WIFI Ant. 5	Note	Frequency ( MHz )	Level ( dBm )	Over Limit ( dB )	Limit Line ( dBm )	Read Level ( dBm )	Antenna Gain ( dBi )	Path Loss ( dB )	MIMO Factor ( dB )	Ground ing Factor ( dB )	Peak Avg. ( P/A )
<b>802.11ax HE20 Full CH 149 5745MHz</b>		7660.7	-41.3	-20.1	-21.2	-55.62	7.73	3.58	3.01	0	P
		7660.7	-41.67	-0.47	-41.2	-55.99	7.73	3.58	3.01	0	A
		11490	-68.78	-47.58	-21.2	-83.03	7.73	3.51	3.01	0	P
		17235	-66.2	-39.2	-27	-81.49	7.73	4.55	3.01	0	P
<b>802.11ax HE20 Full CH 157 5785MHz</b>		7712.2	-41.5	-20.3	-21.2	-55.8	7.73	3.56	3.01	0	P
		7712.2	-41.84	-0.64	-41.2	-56.14	7.73	3.56	3.01	0	A
		11570	-65.56	-44.36	-21.2	-79.88	7.73	3.58	3.01	0	P
		17355	-65.88	-38.88	-27	-81.11	7.73	4.49	3.01	0	P
<b>802.11ax HE20 Full CH 165 5825MHz</b>		7766	-42.25	-15.25	-27	-56.51	7.73	3.52	3.01	0	P
		7766	-42.53	-1.33	-41.2	-56.79	7.73	3.52	3.01	0	A
		11650	-68.39	-47.19	-21.2	-82.81	7.73	3.68	3.01	0	P
		17475	-65.54	-38.54	-27	-80.72	7.73	4.44	3.01	0	P
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 - 5725~5850MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	MIMO	Grounding	Peak
Ant.				Limit	Line	Level	Gain	Loss	Factor	Factor	Avg.
5		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE20 Partial 26/0 CH 149 5745MHz		5649.8	-30.07	-3.07	-27	-42.58	7.73	1.77	3.01	0	P
		5695	-16.56	-22.87	6.31	-29.05	7.73	1.75	3.01	0	P
		5714.4	-16.31	-30.34	14.03	-28.79	7.73	1.74	3.01	0	P
		5720.4	-17.41	-33.92	16.51	-29.89	7.73	1.74	3.01	0	P
	*	5745	29.98	-	-	17.52	7.73	1.72	3.01	0	P
	*	5745	20.61	-	-	8.15	7.73	1.72	3.01	0	A
802.11ax HE20 Partial 26/4 CH 157 5785MHz		5643.6	-33.75	-6.75	-27	-46.26	7.73	1.77	3.01	0	P
		5697	-26.2	-33.99	7.79	-38.69	7.73	1.75	3.01	0	P
		5719.8	-19.83	-35.37	15.54	-32.31	7.73	1.74	3.01	0	P
		5720.6	-19.73	-36.7	16.97	-32.21	7.73	1.74	3.01	0	P
	*	5785	28.57	-	-	16.13	7.73	1.7	3.01	0	P
	*	5785	19.46	-	-	7.02	7.73	1.7	3.01	0	A
		5852.83	-21.3	-41.85	20.55	-33.71	7.73	1.67	3.01	0	P
		5857.135	-22.25	-37.25	15	-34.66	7.73	1.67	3.01	0	P
		5876.61	-26.66	-35.46	8.8	-39.07	7.73	1.67	3.01	0	P
	5932.575	-35.32	-8.32	-27	-47.76	7.73	1.7	3.01	0	P	
802.11ax HE20 Partial 26/8 CH 165 5825MHz	*	5825	27.01	-	-	14.59	7.73	1.68	3.01	0	P
	*	5825	18.69	-	-	6.27	7.73	1.68	3.01	0	A
		5853.2	-20.56	-40.26	19.7	-32.97	7.73	1.67	3.01	0	P
		5859.8	-25.03	-39.28	14.25	-37.44	7.73	1.67	3.01	0	P
		5891.8	-33.53	-31.06	-2.47	-45.93	7.73	1.66	3.01	0	P
		5938.6	-37.3	-10.3	-27	-49.74	7.73	1.7	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 5725~5850MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic)

WIFI Ant. 5	Note	Frequency ( MHz )	Level ( dBm )	Over Limit ( dB )	Limit Line ( dBm )	Read Level ( dBm )	Antenna Gain ( dBi )	Path Loss ( dB )	MIMO Factor ( dB )	Grounding Factor ( dB )	Peak Avg. ( P/A )
802.11ax HE20 Partial 26/0 CH 149 5745MHz		7660.7	-41.44	-20.24	-21.2	-55.76	7.73	3.58	3.01	0	P
		7660.7	-41.96	-0.76	-41.2	-56.28	7.73	3.58	3.01	0	A
		11490	-69.31	-48.11	-21.2	-83.56	7.73	3.51	3.01	0	P
		17235	-65.3	-38.3	-27	-80.59	7.73	4.55	3.01	0	P
802.11ax HE20 Partial 26/4 CH 157 5785MHz		7715.62	-37.58	-16.38	-21.2	-51.88	7.73	3.56	3.01	0	P
		7715.62	-37.96	3.24*	-41.2	-52.26	7.73	3.56	3.01	0	A
		11570	-63.35	-42.15	-21.2	-77.67	7.73	3.58	3.01	0	P
		17355	-55.88	-28.88	-27	-71.11	7.73	4.49	3.01	0	P
802.11ax HE20 Partial 26/8 CH 165 5825MHz		7766.72	-38.66	-11.66	-27	-52.92	7.73	3.52	3.01	0	P
		7766.72	-38.18	3.02*	-41.2	-52.44	7.73	3.52	3.01	0	A
		11650	-63.62	-42.42	-21.2	-78.04	7.73	3.68	3.01	0	P
		17475	-58.94	-31.94	-27	-74.12	7.73	4.44	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The unwanted emission of CH157 and CH165 was verified and passed by radiated measurement, please refer appendix F2.										



**UNII 3 - 5725~5850MHz**

**WIFI 802.11ax HE20 Partial 52 (Band Edge)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	MIMO	Grounding	Peak
Ant.				Limit	Line	Level	Gain	Loss	Factor	Factor	Avg.
5		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
<b>802.11ax HE20 Partial 52/37 CH 149 5745MHz</b>		5639.8	-31.89	-4.89	-27	-44.4	7.73	1.77	3.01	0	P
		5695.4	-20.4	-27.01	6.61	-32.89	7.73	1.75	3.01	0	P
		5718.6	-15.27	-30.48	15.21	-27.75	7.73	1.74	3.01	0	P
		5722.6	-15.18	-36.71	21.53	-27.65	7.73	1.73	3.01	0	P
	*	5745	28.39	-	-	15.93	7.73	1.72	3.01	0	P
	*	5745	18.2	-	-	5.74	7.73	1.72	3.01	0	A
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 - 5725~5850MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Gain	Path Loss	MIMO Factor	Grounding Factor	Peak Avg.
5		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE20 Partial 106/53 CH 149 5745MHz		5638.6	-34.11	-7.11	-27	-46.62	7.73	1.77	3.01	0	P
		5697	-20.95	-28.74	7.79	-33.44	7.73	1.75	3.01	0	P
		5719.8	-10.3	-25.84	15.54	-22.78	7.73	1.74	3.01	0	P
		5724.4	-7.84	-33.47	25.63	-20.31	7.73	1.73	3.01	0	P
	*	5745	24.93	-	-	12.47	7.73	1.72	3.01	0	P
	*	5745	15.78	-	-	3.32	7.73	1.72	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



**UNII 3 - 5725~5850MHz**

**WIFI 802.11ax HE20 Partial 242 (Band Edge)**

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Gain	Path Loss	MIMO Factor	Grounding Factor	Peak Avg.
5		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE20 Partial 242/61 CH 149 5745MHz		5639.8	-30.76	-3.76	-27	-43.27	7.73	1.77	3.01	0	P
		5690	-20.58	-23.21	2.63	-33.07	7.73	1.75	3.01	0	P
		5719.8	-12.08	-27.62	15.54	-24.56	7.73	1.74	3.01	0	P
		5725	-5.64	-32.64	27	-18.11	7.73	1.73	3.01	0	P
	*	5745	21.65	-	-	9.19	7.73	1.72	3.01	0	P
	*	5745	11.88	-	-	-0.58	7.73	1.72	3.01	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										





UNII 3 - 5725~5850MHz

WIFI 802.11ax HE40 Full (Band Edge)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	MIMO	Grounding	Peak
Ant.				Limit	Line	Level	Gain	Loss	Factor	Factor	Avg.
5		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE40 Full CH 151 5755MHz		5638.6	-30.03	-3.03	-27	-42.54	7.73	1.77	3.01	0	P
		5651.6	-29.58	-3.77	-25.81	-42.09	7.73	1.77	3.01	0	P
		5717.6	-10.96	-25.89	14.93	-23.44	7.73	1.74	3.01	0	P
		5722	-8.06	-28.22	20.16	-20.54	7.73	1.74	3.01	0	P
	*	5755	18.69	-	-	6.24	7.73	1.71	3.01	0	P
	*	5755	8.26	-	-	-4.19	7.73	1.71	3.01	0	A
		5854.265	-29.42	-46.7	17.28	-41.83	7.73	1.67	3.01	0	P
		5864.105	-30.09	-43.14	13.05	-42.5	7.73	1.67	3.01	0	P
		5895.47	-31.78	-26.59	-5.19	-44.18	7.73	1.66	3.01	0	P
		5933.19	-36.39	-9.39	-27	-48.83	7.73	1.7	3.01	0	P
802.11ax HE40 Full CH 159 5795MHz		5648	-29.58	-2.58	-27	-42.09	7.73	1.77	3.01	0	P
		5690.6	-24.78	-27.85	3.07	-37.27	7.73	1.75	3.01	0	P
		5711.2	-23.66	-36.8	13.14	-36.14	7.73	1.74	3.01	0	P
		5722.8	-22.7	-44.69	21.99	-35.17	7.73	1.73	3.01	0	P
	*	5795	19.38	-	-	6.95	7.73	1.69	3.01	0	P
	*	5795	8.81	-	-	-3.62	7.73	1.69	3.01	0	A
		5852.01	-17.94	-40.36	22.42	-30.35	7.73	1.67	3.01	0	P
		5865.54	-16.97	-29.62	12.65	-29.38	7.73	1.67	3.01	0	P
		5917.405	-25.34	-3.94	-21.4	-37.76	7.73	1.68	3.01	0	P
		5946.72	-30.31	-3.31	-27	-42.76	7.73	1.71	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



**UNII 3 5725~5850MHz**

**WIFI 802.11ax HE40 Full (Harmonic)**

WIFI Ant. 5	Note	Frequency ( MHz )	Level ( dBm )	Over Limit ( dB )	Limit Line ( dBm )	Read Level ( dBm )	Antenna Gain ( dBi )	Path Loss ( dB )	MIMO Factor ( dB )	Grounding Factor ( dB )	Peak Avg. (P/A)
802.11ax HE40 Full CH 151 5755MHz		11570	-68.42	-47.22	-21.2	-82.74	7.73	3.58	3.01	0	P
		17265	-65.41	-38.41	-27	-80.68	7.73	4.53	3.01	0	P
802.11ax HE40 Full CH 159 5795MHz		7727.65	-42.05	-20.85	-21.2	-56.33	7.73	3.54	3.01	0	P
		7727.65	-42.28	-1.08	-41.2	-56.56	7.73	3.54	3.01	0	A
		11590	-68.65	-47.45	-21.2	-83	7.73	3.61	3.01	0	P
		17385	-66.18	-39.18	-27	-81.4	7.73	4.48	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 - 5725~5850MHz

WIFI 802.11ax HE40 Partial 484 (Band Edge)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	MIMO	Grounding	Peak
Ant.				Limit	Line	Level	Gain	Loss	Factor	Factor	Avg.
5		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE40 Partial 484/65 CH 151 5755MHz		5643.4	-36.18	-9.18	-27	-48.69	7.73	1.77	3.01	0	P
		5698	-25.66	-34.19	8.53	-38.15	7.73	1.75	3.01	0	P
		5717.8	-14.87	-29.86	14.99	-27.35	7.73	1.74	3.01	0	P
		5724	-14.6	-39.32	24.72	-27.07	7.73	1.73	3.01	0	P
	*	5755	19.08	-	-	6.63	7.73	1.71	3.01	0	P
	*	5755	6.33	-	-	-6.12	7.73	1.71	3.01	0	A
		5854.88	-36.63	-52.5	15.87	-49.04	7.73	1.67	3.01	0	P
		5869.23	-36.96	-48.57	11.61	-49.37	7.73	1.67	3.01	0	P
		5902.645	-36.15	-25.65	-10.5	-48.55	7.73	1.66	3.01	0	P
		5927.45	-36.67	-9.67	-27	-49.1	7.73	1.69	3.01	0	P
802.11ax HE40 Partial 484/65 CH 159 5795MHz		5646.6	-33.2	-6.2	-27	-45.71	7.73	1.77	3.01	0	P
		5692.6	-27.73	-32.27	4.54	-40.22	7.73	1.75	3.01	0	P
		5712.6	-28.06	-41.59	13.53	-40.54	7.73	1.74	3.01	0	P
		5724.2	-27.38	-52.56	25.18	-39.85	7.73	1.73	3.01	0	P
	*	5795	18.71	-	-	6.28	7.73	1.69	3.01	0	P
	*	5795	7.92	-	-	-4.51	7.73	1.69	3.01	0	A
		5853.445	-23.52	-42.67	19.15	-35.93	7.73	1.67	3.01	0	P
		5857.34	-24.92	-39.86	14.94	-37.33	7.73	1.67	3.01	0	P
		5875.79	-26.27	-35.68	9.41	-38.68	7.73	1.67	3.01	0	P
		5925.605	-31.14	-4.14	-27	-43.57	7.73	1.69	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 - 5725~5850MHz

WIFI 802.11ax HE80 Full (Band Edge)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Gain	Path Loss	MIMO Factor	Grounding Factor	Peak Avg.
5		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE80 Full CH 155 5775MHz		5638.8	-30.7	-3.7	-27	-43.21	7.73	1.77	3.01	0	P
		5695	-21.42	-27.73	6.31	-33.91	7.73	1.75	3.01	0	P
		5716.8	-12.92	-27.63	14.71	-25.4	7.73	1.74	3.01	0	P
		5720	-16.73	-32.33	15.6	-29.21	7.73	1.74	3.01	0	P
	*	5775	14.97	-	-	2.53	7.73	1.7	3.01	0	P
	*	5775	4.29	-	-	-8.15	7.73	1.7	3.01	0	A
		5850.165	-25.41	-52.03	26.62	-37.82	7.73	1.67	3.01	0	P
		5855.905	-24.3	-39.65	15.35	-36.71	7.73	1.67	3.01	0	P
		5879.07	-26.96	-33.94	6.98	-39.37	7.73	1.67	3.01	0	P
	5934.215	-32.73	-5.73	-27	-45.17	7.73	1.7	3.01	0	P	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



UNII 3 5725~5850MHz

WIFI 802.11ax HE80 Full (Harmonic)

WIFI Ant. 5	Note	Frequency ( MHz )	Level ( dBm )	Over Limit ( dB )	Limit Line ( dBm )	Read Level ( dBm )	Antenna Gain ( dBi )	Path Loss ( dB )	MIMO Factor ( dB )	Grounding Factor ( dB )	Peak Avg. (P/A)
802.11ax HE80 Full CH 155 5775MHz		7700	-40.97	-19.77	-21.2	-55.27	7.73	3.56	3.01	0	P
		7700	-41.1	0.1*	-41.2	-55.4	7.73	3.56	3.01	0	A
		11550	-69.35	-48.15	-21.2	-83.67	7.73	3.58	3.01	0	P
		17325	-66.38	-39.38	-27	-81.63	7.73	4.51	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The unwanted emission of CH155 was verified and passed by radiated measurement, please refer appendix F2.										



UNII 3 - 5725~5850MHz

WIFI 802.11ax HE80 Partial 996 (Band Edge)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Gain	Path Loss	MIMO Factor	Grounding Factor	Peak Avg.
5		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11ax HE80 Partial 996/67 CH 155 5775MHz		5647	-33.18	-6.18	-27	-45.69	7.73	1.77	3.01	0	P
		5687	-22.33	-22.74	0.41	-34.83	7.73	1.76	3.01	0	P
		5717.4	-15.18	-30.05	14.87	-27.66	7.73	1.74	3.01	0	P
		5721.8	-14.85	-34.56	19.71	-27.33	7.73	1.74	3.01	0	P
	*	5775	13.33	-	-	0.89	7.73	1.7	3.01	0	P
	*	5775	2.83	-	-	-9.61	7.73	1.7	3.01	0	A
		5853.445	-23.74	-42.89	19.15	-36.15	7.73	1.67	3.01	0	P
		5866.975	-24.16	-36.4	12.24	-36.57	7.73	1.67	3.01	0	P
		5875.38	-28.63	-38.35	9.72	-41.04	7.73	1.67	3.01	0	P
		5933.805	-32.75	-5.75	-27	-45.19	7.73	1.7	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



Emission above 25GHz

5GHz WIFI 802.11ax HE20 Partial 26 (SHF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	MIMO	Grounding	Peak
Ant.				Limit	Line	Level	Gain	Loss	Factor	Factor	Avg.
5		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
5GHz 802.11ax HE20 Partial SHF		39849	-42.48	-21.28	-21.2	-67.07	7.73	13.85	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



Emission below 1GHz

5GHz WIFI 802.11ax HE20 Partial 26 (LF)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Gain	Path Loss	MIMO Factor	Grounding Factor	Peak Avg.
5		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
5GHz 802.11ax HE20 Partial LF		77.52	-74.78	-19.58	-55.2	-85.77	7.73	0.25	3.01	0	P
		205.23	-73.85	-22.15	-51.7	-85.07	7.73	0.48	3.01	0	P
		238.98	-74.64	-25.44	-49.2	-85.85	7.73	0.47	3.01	0	P
		412.7	-74.05	-24.85	-49.2	-85.39	7.73	0.6	3.01	0	P
		649.3	-73.1	-23.9	-49.2	-84.6	7.73	0.76	3.01	0	P
		925.1	-72.64	-23.44	-49.2	-84.47	7.73	1.09	3.01	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										





**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>over limit</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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	MIMO	Grounding	Peak
Ant.				Limit	Line	Level	Gain	Loss	Factor	Factor	Avg.
5		( MHz )	( dBm )	( dB )	( dBm )	( dBm )	( dBi )	( dB )	( dB )	( dB )	( P/A )
802.11a CH 165 5825MHz		7768.85	-40.82	-13.82	-27	-54.19	7.73	2.63	3.01	0	P
		7768.85	-43.88	-2.68	-41.2	-57.25	7.73	2.63	3.01	0	A
		11650	-66.05	-44.85	-21.2	-79.69	7.73	2.9	3.01	0	P
		17475	-61.96	-34.96	-27	-76.63	7.73	3.93	3.01	0	P
		23300	-59.02	-32.02	-27	-76.37	7.73	6.61	3.01	0	P

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. MIMO Factor(dB) = 10 log (N<sub>ANT</sub>), where N<sub>ANT</sub> is the number of outputs
3. Grounding Factor(dB) = Ground reflection factor (i.e., 6 dB for f ≤ 30 MHz and 4.7 dB for 30 MHz < f ≤ 960 MHz)
4. Level(dBm) = Antenna Gain(dBi) + Path Loss(dB) + Read Level(dBm) + MIMO Factor(dB) + Grounding Factor(dB)
5. Over Limit(dB) = Level(dBm) – Limit Line(dBm)

**For Peak Limit @ 7768.85MHz:**

1. Level(dBm)
  - = Antenna Gain (dBi) + Path Loss (dB) + MIMO Factor (dB) + Grounding Factor (dB) + Read Level (dBm)
  - = 7.73(dBi) + 2.63(dB) + 3.01(dB) – 54.19 (dBm)
  - = -40.82 (dBm)
2. Over Limit(dB)
  - = Level (dBm) – Limit Line (dBm)
  - = -40.82 (dBm) + 27(dBm)
  - = -13.82(dB)

**For Average Limit @ 7768.85MHz:**

1. Level(dBm)
  - = Antenna Gain (dBi) + Path Loss (dB) + MIMO Factor (dB) + Grounding Factor (dB) + Read Level (dBm)
  - = 7.73(dBi) + 2.63(dB) + 3.01(dB) – 57.25 (dBm)
  - = -43.88 (dBm)
2. Over Limit(dB) = Level(dBm) – Limit Line(dBm)
  - = -43.88 (dBm) + 41.2(dBm)
  - = -2.68(dB)

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



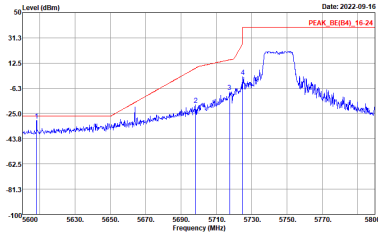
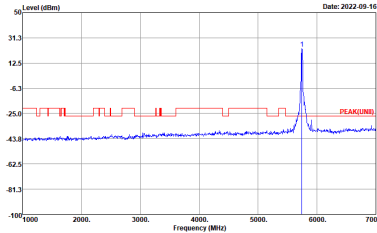
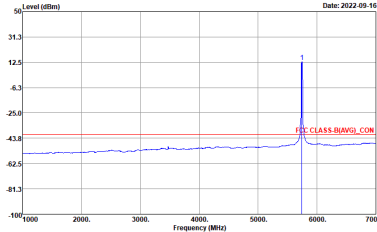
## Appendix C. Conducted Spurious Emission Plots

Test Engineer :	Kai Liao, Ken Wu and Nick Yu	Temperature :	21.5~25.9°C
		Relative Humidity :	45.3~64.5%



UNII 3 - 5725~5850MHz

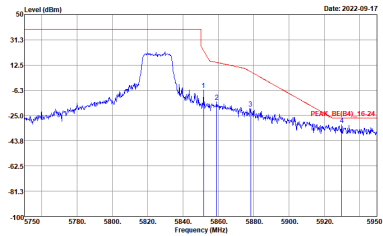
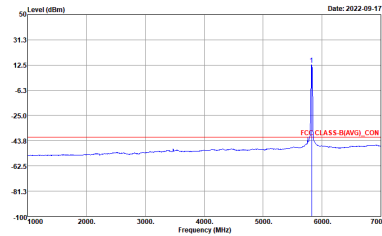
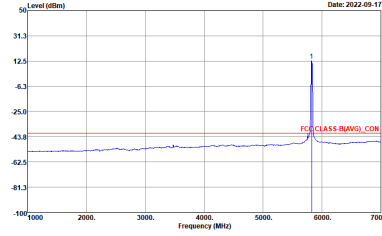
802.11a (Band Edge)

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11a CH149 5745MHz	
4	CSE	Fundamental
Peak	 <p>Site : TH95-HY            Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>	 <p>Site : TH95-HY            Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>
Avg.	Left blank	 <p>Site : TH95-HY            Condition : FCC CLASS (B4VGL)_CON ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>



WIFI	UNII 3 5725-5850MHz Band Edge	
ANT	802.11a CH157 5785MHz	
4	CSE	Fundamental
Peak	<p>Site : TH05-HY Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL REW:1000.000kHz VIEW:3000.000kHz Detector : Peak</p>	<p>Site : TH05-HY Condition : PEAK(LIN) ANT GAIN+7.73 HORIZONTAL REW:1000.000kHz VIEW:3000.000kHz Detector : Peak</p>
Peak/ Avg.	<p>Site : TH05-HY Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL REW:1000.000kHz VIEW:3000.000kHz Detector : Peak</p>	<p>Site : TH05-HY Condition : FCC CLASS B/A/W/D_CON ANT GAIN+7.73 HORIZONTAL REW:1000.000kHz VIEW:0.010kHz Detector : Peak</p>



WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11a CH165 5825MHz	
4	CSE	Fundamental
Peak	 <p>Site : THS5-HY Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	 <p>Site : THS5-HY Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
Avg.	Left blank	 <p>Site : THS5-HY Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>



**UNII 3 - 5725~5850MHz**  
**802.11ax HE20 Full (Band Edge)**

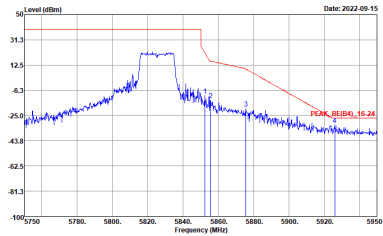
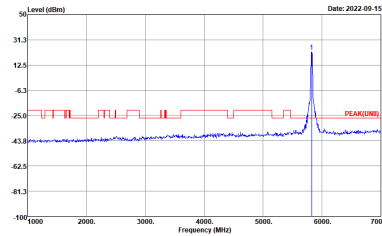
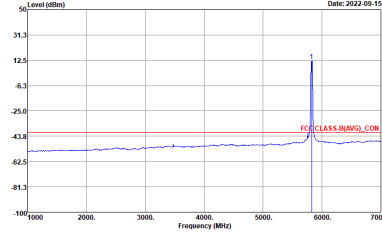
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ANT	802.11ax HE20 Full CH149 5745MHz	
4	CSE	Fundamental
Peak	<p>Date: 2022-09-15 PEAK_BE(B4)_16.24</p> <p>Site : TH05-HY Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	<p>Date: 2022-09-15 PEAK(LNB)</p> <p>Site : TH05-HY Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
Avg.	Left blank	<p>Date: 2022-09-15 FCC CLASS(BA)G1_CON</p> <p>Site : TH05-HY Condition : FCC CLASS(BA)G1_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>



WIFI	UNII 3 5725-5850MHz Band Edge	
ANT	802.11ax HE20 Full CH157 5785MHz	
4	CSE	Fundamental
Peak	<p>Site : TH05-HY            Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VIEW:3000.000kHz            Detector : Peak</p>	<p>Site : TH05-HY            Condition : PEAK(LIN) ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VIEW:3000.000kHz            Detector : Peak</p>
Peak/ Avg.	<p>Site : TH05-HY            Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VIEW:3000.000kHz            Detector : Peak</p>	<p>Site : TH05-HY            Condition : FCC CLASS B/A/W/D_CON ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VIEW:0.010kHz            Detector : Peak</p>





WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE20 Full CH165 5825MHz	
4	CSE	Fundamental
Peak	 <p>Site : THIS-HY Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	 <p>Site : THIS-HY Condition : PEAK(LIN) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
Avg.	Left blank	 <p>Site : THIS-HY Condition : FCC CLASS-B(AV)G_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>



**UNII 3 - 5725~5850MHz**  
**802.11ax HE20 Partial 26 (Band Edge)**

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
4	CSE	Fundamental
Peak	<p>Site : TH05-HY            Condition : PEAK_BE(BA)_16.24 ANT GAIN+7.73 HORIZONTAL            Detector : RBW:1000.000kHz VBW:3000.000kHz            : Peak</p>	<p>Site : TH05-HY            Condition : PEAK(LIN) ANT GAIN+7.73 HORIZONTAL            Detector : RBW:1000.000kHz VBW:3000.000kHz            : Peak</p>
Avg.	Left blank	<p>Site : TH05-HY            Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL            Detector : RBW:1000.000kHz VBW:0.010kHz            : Peak</p>



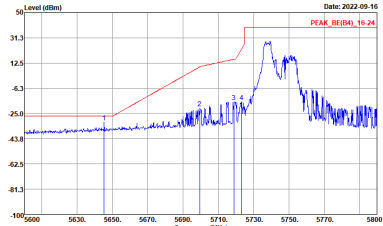
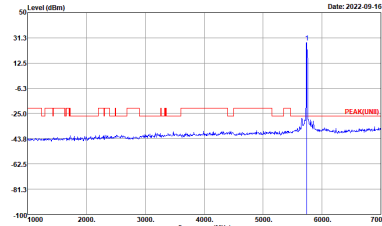
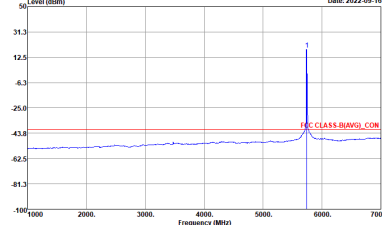
WIFI	UNII 3 5725-5850MHz Band Edge	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
4	CSE	Fundamental
Peak	<p>Site : TH05-HY Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	<p>Site : TH05-HY Condition : PEAK(LINB) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
Peak/ Avg.	<p>Site : TH05-HY Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	<p>Site : TH05-HY Condition : FCC CLASS-BUAVG_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>



WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
4	CSE	Fundamental
Peak	<p>Site : THIS-HY Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	<p>Site : THIS-HY Condition : PEAK(LIN) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
Avg.	Left blank	<p>Site : THIS-HY Condition : FCC CLASS-B(AV)G_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>



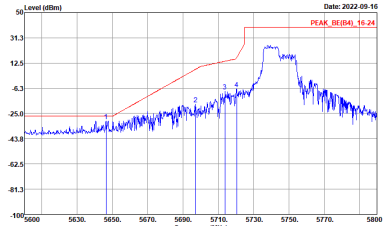
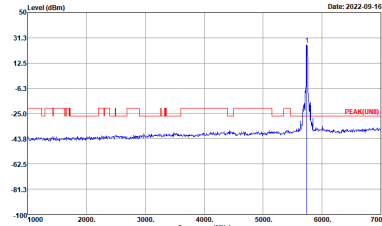
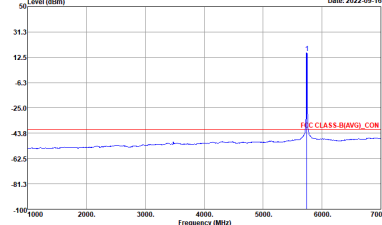
**UNII 3 - 5725~5850MHz**  
**802.11ax HE20 Partial 52 (Band Edge)**

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
4	CSE	Fundamental
Peak	 <p>Date: 2022-09-16 PEAK_BE(B4)_16.24</p> <p>Site : TH95-HY Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	 <p>Date: 2022-09-16 PEAK(LNB)</p> <p>Site : TH95-HY Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
Avg.	Left blank	 <p>Date: 2022-09-16 FCC CLASS(BA)VG1_CON</p> <p>Site : TH95-HY Condition : FCC CLASS(BA)VG1_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>



UNII 3 - 5725~5850MHz

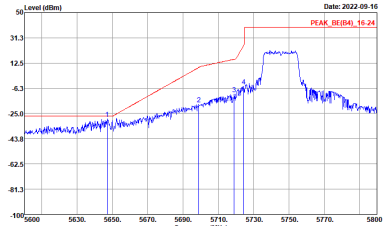
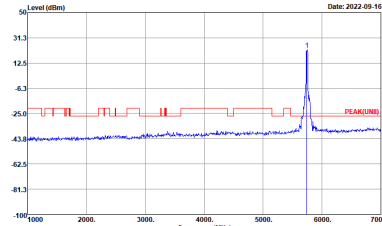
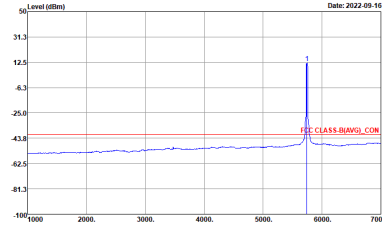
802.11ax HE20 Partial 106 (Band Edge)

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
4	CSE	Fundamental
Peak	 <p>Level (dBm) vs Frequency (MHz) plot for CSE. The plot shows a rising signal level from approximately -43 dBm at 5600 MHz to a peak of -31.3 dBm at 5745 MHz. A red line indicates the peak level. The x-axis ranges from 5600 to 5800 MHz, and the y-axis ranges from -100 to 50 dBm.</p> <p>Date: 2022-09-16 PEAK_BE(B4)_16.24</p> <p>Site : TH05-HY Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	 <p>Level (dBm) vs Frequency (MHz) plot for Fundamental. The plot shows a sharp peak at approximately 5745 MHz with a level of -31.3 dBm. The rest of the spectrum is flat at approximately -43 dBm. A red line indicates the peak level. The x-axis ranges from 1000 to 7000 MHz, and the y-axis ranges from -100 to 50 dBm.</p> <p>Date: 2022-09-16 PEAK(LNB)</p> <p>Site : TH05-HY Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
Avg.	Left blank	 <p>Level (dBm) vs Frequency (MHz) plot for Fundamental (Avg). The plot shows a sharp peak at approximately 5745 MHz with a level of -31.3 dBm. The rest of the spectrum is flat at approximately -43 dBm. A red line indicates the peak level. The x-axis ranges from 1000 to 7000 MHz, and the y-axis ranges from -100 to 50 dBm.</p> <p>Date: 2022-09-16 FCC CLASS(BA)G1_CON</p> <p>Site : TH05-HY Condition : FCC CLASS(BA)G1_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>



UNII 3 - 5725~5850MHz

802.11ax HE20 Partial 242 (Band Edge)

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE20 Partial 242/61 CH149 5745MHz	
4	CSE	Fundamental
Peak	 <p>Level (dBm) vs Frequency (MHz) plot for CSE Peak. The plot shows a rising signal level from approximately -43 dBm at 5600 MHz to a peak of -16.24 dBm at 5745 MHz. The x-axis ranges from 5600 to 5800 MHz, and the y-axis ranges from -100 to 50 dBm.</p> <p>Site : TH05-HY            Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>	 <p>Level (dBm) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a sharp peak at approximately 5745 MHz with a level of -16.24 dBm. The x-axis ranges from 1000 to 7000 MHz, and the y-axis ranges from -100 to 50 dBm.</p> <p>Site : TH05-HY            Condition : PEAK(FUN) ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>
Avg.	Left blank	 <p>Level (dBm) vs Frequency (MHz) plot for Fundamental Avg. The plot shows a sharp peak at approximately 5745 MHz with a level of -16.24 dBm. The x-axis ranges from 1000 to 7000 MHz, and the y-axis ranges from -100 to 50 dBm.</p> <p>Site : TH05-HY            Condition : FCC CLASS (B4V) ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>



UNII 3 - 5725~5850MHz

802.11ax HE40 Full (Band Edge)

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE40 Full CH151 5755MHz	
4	CSE	Fundamental
Peak	<p>Date: 2022-09-15</p> <p>Site : TH05-HY Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	<p>Date: 2022-09-15</p> <p>Site : TH05-HY Condition : PEAK(FUNB) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
Peak/ Avg.	<p>Date: 2022-09-15</p> <p>Site : TH05-HY Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	<p>Date: 2022-09-15</p> <p>Site : TH05-HY Condition : FCC CLASS(BA)AVG_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>





WIFI	UNII 3 5725-5850MHz Band Edge	
ANT	802.11ax HE20 Full CH159 5795MHz	
4	CSE	Fundamental
Peak	<p>Site : TH05-HY            Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>	<p>Site : TH05-HY            Condition : PEAK(LIN) ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>
Peak/ Avg.	<p>Site : TH05-HY            Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>	<p>Site : TH05-HY            Condition : FCC CLASS-BUWGL_CON ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>



UNII 3 - 5725~5850MHz

802.11ax HE40 Partial 484 (Band Edge)

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE40 Partial 484/65 CH151 5755MHz	
4	CSE	Fundamental
Peak	<p>Site : TH05-HY            Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>	<p>Site : TH05-HY            Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>
Peak/ Avg.	<p>Site : TH05-HY            Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>	<p>Site : TH05-HY            Condition : FCC CLASS(BA)WV1_CON ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>



WIFI	UNII 3 5725-5850MHz Band Edge	
ANT	802.11ax HE40 Partial 484/65 CH159 5795MHz	
4	CSE	Fundamental
Peak	<p>Site : TH05-HY            Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>	<p>Site : TH05-HY            Condition : PEAK(LIN) ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>
Peak/ Avg.	<p>Site : TH05-HY            Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>	<p>Site : TH05-HY            Condition : FCC CLASS B/W/D_0.0100Hz ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>



**UNII 3 - 5725~5850MHz**  
**802.11ax HE80 Full (Band Edge)**

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE80 Full CH155 5775MHz	
4	CSE	Fundamental
Peak	<p>Date: 2022-09-15</p> <p>Site : TH05-HY            Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VIEW:3000.000kHz            Detector : Peak</p>	<p>Date: 2022-09-15</p> <p>Site : TH05-HY            Condition : PEAK(FUNB) ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VIEW:3000.000kHz            Detector : Peak</p>
Peak/ Avg.	<p>Date: 2022-09-15</p> <p>Site : TH05-HY            Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VIEW:3000.000kHz            Detector : Peak</p>	<p>Date: 2022-09-15</p> <p>Site : TH05-HY            Condition : PEAK_CLASS(B4AVG)_CON ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VIEW:0.010kHz            Detector : Peak</p>



UNII 3 - 5725~5850MHz

802.11ax HE80 Partial 996 (Band Edge)

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE80 Partial 996/67 CH155 5775MHz	
4	CSE	Fundamental
Peak	<p>Site : TH05-HY Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	<p>Site : TH05-HY Condition : PEAK(FUN) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
Peak/ Avg.	<p>Site : TH05-HY Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	<p>Site : TH05-HY Condition : FCC CLASS (B/A/V/G)_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>



UNII 3 - 5725~5850MHz

WIFI 802.11a (Harmonic)

WIFI	UNII 3 5725~5850MHz Harmonic	
ANT	802.11a	
4	CH149 5745MHz	CH157 5785MHz
<p>Peak</p> <p>Avg.</p>	<p>Site : THSS-HY            Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>	<p>Site : THSS-HY            Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>



WIFI	UNII 3 5725~5850MHz Harmonic	
ANT	802.11a	
4	CH165 5825MHz	
Peak Avg.	<p>Site : TING-RY Condition : PEAK(LIM) ANT GAIN+7.73 HORIZONTAL RBW: 1000.000kHz VBW: 3000.000kHz Detector : Peak</p>	Left blank



**UNII 3 - 5725~5850MHz**  
**WIFI 802.11ax HE20 Full (Harmonic)**

<b>WIFI</b>	<b>UNII 3 5725~5850MHz Harmonic</b>	
<b>ANT</b>	<b>802.11ax HE20 Full</b>	
<b>4</b>	<b>CH149 5745MHz</b>	<b>CH157 5785MHz</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : THSS-HY          Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL          Detector : REW:1000.000kHz VIEW:3000.000kHz          : Peak</p>	<p>Site : THSS-HY          Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL          Detector : REW:1000.000kHz VIEW:3000.000kHz          : Peak</p>





WIFI	UNII 3 5725~5850MHz Harmonic	
ANT	802.11ax HE20 Full	
4	CH165 5825MHz	
Peak Avg.	<p>Site : TING-RY Condition : PEAK(LIN) ANT GAIN+7.73 HORIZONTAL RBW: 1000.000kHz VBW: 3000.000kHz Detector : Peak</p>	Left blank



UNII 3 - 5725~5850MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic)

WIFI	UNII 3 5725~5850MHz Harmonic	
ANT	802.11ax HE20 Partial 26	
4	Partial 26/0 CH149 5745MHz	Partial 26/4 CH157 5785MHz
Peak Avg.	<p>Site : THSS-HY Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	<p>Site : THSS-HY Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>



WIFI	UNII 3 5725~5850MHz Harmonic	
ANT	802.11ax HE20 Partial 26	
4	Partial 26/8 CH165 5825MHz	
Peak Avg.	<p>Site : TING-RY Condition : PEAK(LIN) ANT GAIN+7.73 HORIZONTAL RBW: 1000.000kHz VBW: 3000.000kHz Detector : Peak</p>	Left blank



**UNII 3 - 5725~5850MHz**  
**WIFI 802.11ax HE40 Full (Harmonic)**

<b>WIFI</b>	<b>UNII 3 5725~5850MHz Harmonic</b>	
<b>ANT</b>	<b>802.11ax HE40 Full</b>	
<b>4</b>	<b>CH151 5755MHz</b>	<b>CH159 5795MHz</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : THSS-HY          Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL          Detector : Peak</p>	<p>Site : THSS-HY          Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL          Detector : Peak</p>

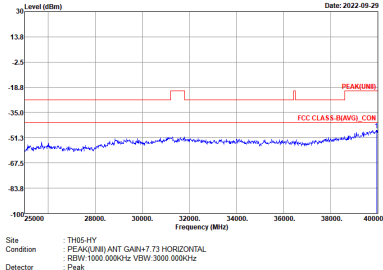


**UNII 3 - 5725~5850MHz**  
**WIFI 802.11ax HE80 Full (Harmonic)**

<b>WIFI</b>	<b>UNII 3 5725~5850MHz Harmonic</b>	
<b>ANT</b>	<b>802.11ax HE80 Full</b>	
<b>4</b>	<b>CH155 5775MHz</b>	
<p><b>Peak</b> <b>Avg.</b></p>	<p>Site : TH95-HY          Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL          RBW: 1000.000kHz VBW: 3000.000kHz          Detector : Peak</p>	<p align="center">Left blank</p>

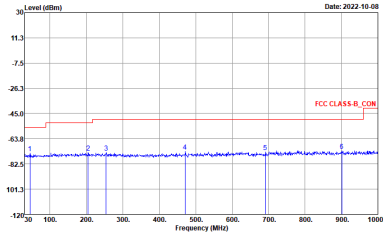


Emission above 25GHz  
5GHz WIFI 802.11ax HE40 Full (SHF)

WIFI	5GHz 5725~5850MHz	
ANT	802.11ax HE40 Full SHF	
5	CSE	-
Peak Avg.	 <p>Site : TH95-HY Condition : PEAK(QUBI) ANT GAIN+7.73 HORIZONTAL REW:1000.000kHz VEW:3000.000kHz Detector : Peak</p>	Left blank



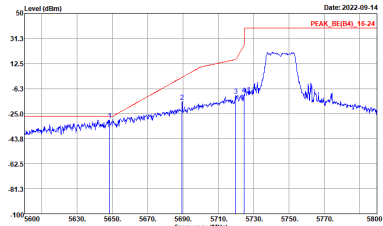
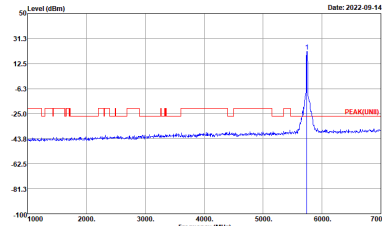
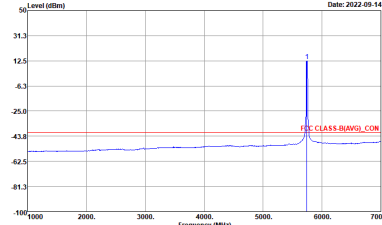
Emission below 1GHz  
5GHz WIFI 802.11ax HE40 Full (LF)

WIFI	5GHz 5725~5850MHz	
ANT	802.11ax HE40 Full LF	
4	CSE	-
QP / Peak	 <p>Site : TH05 HY Condition : FCC CLASS B, CON ANT GNBH7.73 HORIZONTAL RBW: 120.0000Hz, VBW: 200.0000Hz Detector : Peak</p>	Left blank



UNII 3 - 5725~5850MHz

802.11a (Band Edge)

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11a CH149 5745MHz	
5	CSE	Fundamental
Peak	 <p>Site : THIS-HY Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	 <p>Site : THIS-HY Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
Avg.	Left blank	 <p>Site : THIS-HY Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>





WIFI	UNII 3 5725-5850MHz Band Edge	
ANT	802.11a CH157 5785MHz	
5	CSE	Fundamental
Peak	<p>Site : THIS-HY            Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>	<p>Site : THIS-HY            Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>
Peak/ Avg.	<p>Site : THIS-HY            Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>	<p>Site : THIS-HY            Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:0.010kHz            Detector : Peak</p>

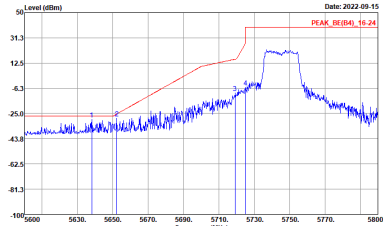
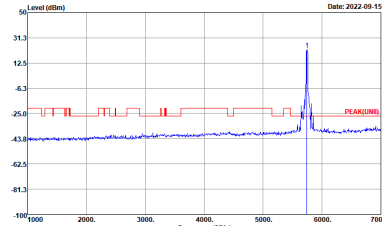
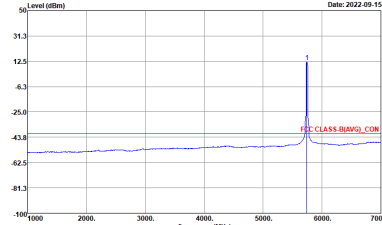


WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11a CH165 5825MHz	
5	CSE	Fundamental
Peak		
Avg.	Left blank	

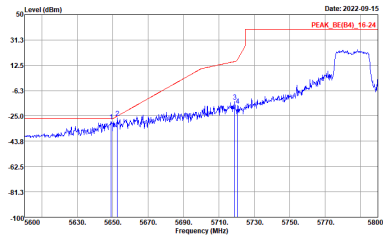
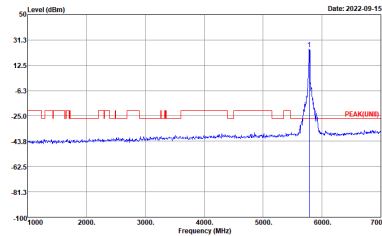
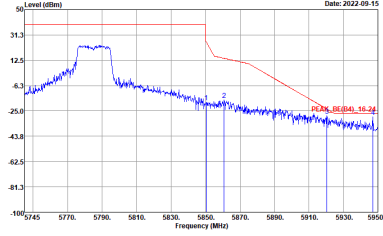
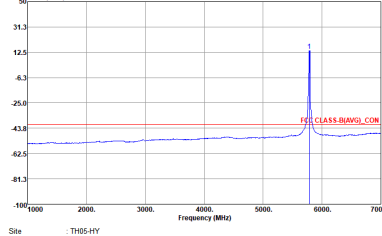


UNII 3 - 5725~5850MHz

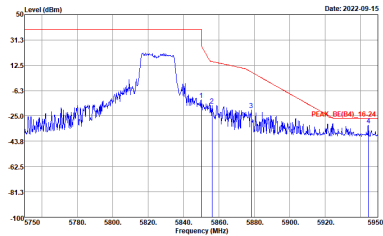
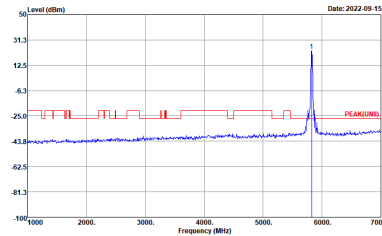
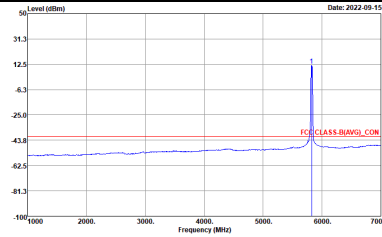
802.11ax HE20 Full (Band Edge)

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE20 Full CH149 5745MHz	
5	CSE	Fundamental
Peak	 <p>Level (dBm) vs Frequency (MHz) plot for CSE. The plot shows a rising signal level from approximately -43 dBm at 5725 MHz to a peak of 31.3 dBm at 5745 MHz. A red line indicates the peak level. The x-axis ranges from 5690 to 5800 MHz, and the y-axis ranges from -100 to 50 dBm.</p> <p>Date: 2022-09-15 PEAK_RE(B4)_16.24</p> <p>Site : THIS-HY Condition : PEAK_RE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	 <p>Level (dBm) vs Frequency (MHz) plot for Fundamental. The plot shows a sharp peak at approximately 5745 MHz with a level of 31.3 dBm. A red line indicates the peak level. The x-axis ranges from 1000 to 7000 MHz, and the y-axis ranges from -100 to 50 dBm.</p> <p>Date: 2022-09-15 PEAK(LNB)</p> <p>Site : THIS-HY Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
Avg.	Left blank	 <p>Level (dBm) vs Frequency (MHz) plot for Fundamental (Avg). The plot shows a sharp peak at approximately 5745 MHz with a level of 31.3 dBm. A red line indicates the peak level. The x-axis ranges from 1000 to 7000 MHz, and the y-axis ranges from -100 to 50 dBm.</p> <p>Date: 2022-09-15 FCC CLASS-B(AVG)_CON</p> <p>Site : THIS-HY Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>



WIFI	UNII 3 5725-5850MHz Band Edge	
ANT	802.11ax HE20 Full CH157 5785MHz	
5	CSE	Fundamental
Peak	 <p>Date: 2022-09-15</p> <p>Site : THIS-HY Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	 <p>Date: 2022-09-15</p> <p>Site : THIS-HY Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
Peak/ Avg.	 <p>Date: 2022-09-15</p> <p>Site : THIS-HY Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	 <p>Date: 2022-09-15</p> <p>Site : THIS-HY Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>



WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE20 Full CH165 5825MHz	
5	CSE	Fundamental
Peak	 <p>Level (dBm) vs Frequency (MHz) plot for CSE. The plot shows a signal between 5750 and 5950 MHz. A red line indicates the peak level at approximately 5825 MHz, with a value of -25.0 dBm. The plot includes a noise floor and a signal envelope. The date is 2022-09-15.</p> <p>Site : THIS-HY            Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>	 <p>Level (dBm) vs Frequency (MHz) plot for Fundamental. The plot shows a signal between 1000 and 7000 MHz. A sharp peak is visible at approximately 5825 MHz, with a value of -25.0 dBm. The plot includes a noise floor and a signal envelope. The date is 2022-09-15.</p> <p>Site : THIS-HY            Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>
Avg.	Left blank	 <p>Level (dBm) vs Frequency (MHz) plot for Avg. Fundamental. The plot shows a signal between 1000 and 7000 MHz. A sharp peak is visible at approximately 5825 MHz, with a value of -43.8 dBm. The plot includes a noise floor and a signal envelope. The date is 2022-09-15.</p> <p>Site : THIS-HY            Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:0.010kHz            Detector : Peak</p>



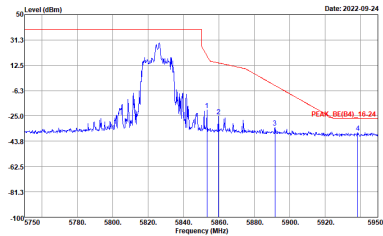
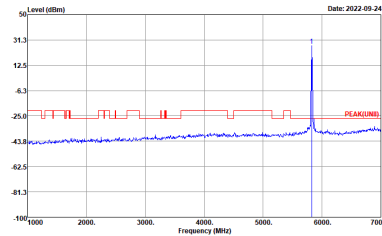
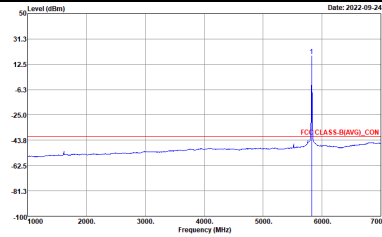
**UNII 3 - 5725~5850MHz**  
**802.11ax HE20 Partial 26 (Band Edge)**

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
5	CSE	Fundamental
Peak	<p>Date: 2022-09-16            PEAK_BE(B4)_16.24</p> <p>Site : TH05-HY            Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>	<p>Date: 2022-09-16            PEAK(LIN)</p> <p>Site : TH05-HY            Condition : PEAK(LIN) ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>
Avg.	Left blank	<p>Date: 2022-09-16            FCC CLASS-B(AVG)_CON</p> <p>Site : TH05-HY            Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:3.010kHz            Detector : Peak</p>



WIFI	UNII 3 5725-5850MHz Band Edge	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
5	CSE	Fundamental
Peak	<p>Site : THIS-HY            Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>	<p>Site : THIS-HY            Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>
Peak/ Avg.	<p>Site : THIS-HY            Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>	<p>Site : THIS-HY            Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VBW:0.010kHz            Detector : Peak</p>



WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
5	CSE	Fundamental
Peak	 <p>Level (dBm) vs Frequency (MHz) plot for CSE. The plot shows a signal between 5750 and 5950 MHz. A red line indicates the peak level at approximately 31.3 dBm. The x-axis is labeled 'Frequency (MHz)' and the y-axis is labeled 'Level (dBm)'. The date is 2022-09-24.</p> <p>Site : THIS-HY            Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>	 <p>Level (dBm) vs Frequency (MHz) plot for Fundamental. The plot shows a signal between 1000 and 7000 MHz. A sharp peak is visible at approximately 5825 MHz, reaching a level of about 31.3 dBm. The x-axis is labeled 'Frequency (MHz)' and the y-axis is labeled 'Level (dBm)'. The date is 2022-09-24.</p> <p>Site : THIS-HY            Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>
Avg.	Left blank	 <p>Level (dBm) vs Frequency (MHz) plot for Avg. Fundamental. The plot shows a signal between 1000 and 7000 MHz. A peak is visible at approximately 5825 MHz, reaching a level of about 31.3 dBm. The x-axis is labeled 'Frequency (MHz)' and the y-axis is labeled 'Level (dBm)'. The date is 2022-09-24.</p> <p>Site : THIS-HY            Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>





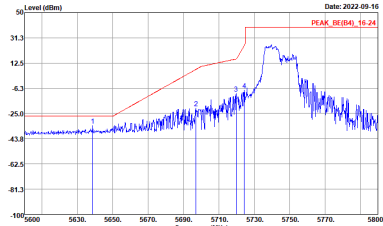
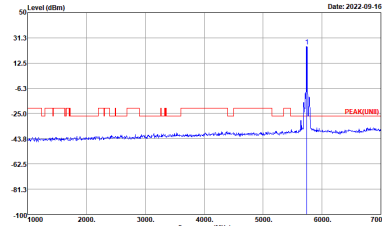
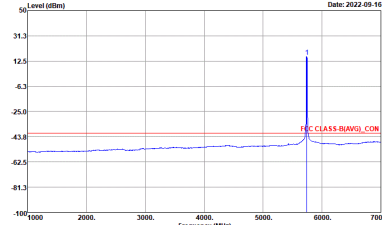
**UNII 3 - 5725~5850MHz**  
**802.11ax HE20 Partial 52 (Band Edge)**

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
5	CSE	Fundamental
Peak	<p>Date: 2022-09-16 PEAK_RE(B4)_16.24</p> <p>Site : THS5-HY Condition : PEAK_RE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	<p>Date: 2022-09-16 PEAK(LNB)</p> <p>Site : THS5-HY Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
Avg.	Left blank	<p>Date: 2022-09-16 FCC CLASS-B(AVG)_CON</p> <p>Site : THS5-HY Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>



UNII 3 - 5725~5850MHz

802.11ax HE20 Partial 106 (Band Edge)

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
5	CSE	Fundamental
Peak	 <p>Site : THSS-HY            Condition : PEAK_RE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>	 <p>Site : THSS-HY            Condition : PEAK_UN(B) ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>
Avg.	Left blank	 <p>Site : THSS-HY            Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL            Detector : Peak</p>



UNII 3 - 5725~5850MHz

802.11ax HE20 Partial 242 (Band Edge)

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE20 Partial 242/61 CH149 5745MHz	
5	CSE	Fundamental
Peak	<p>Date: 2022-09-16 PEAK_RE(B4)_16.24</p> <p>Site : THIS-HY Condition : PEAK_RE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	<p>Date: 2022-09-16 PEAK(LNB)</p> <p>Site : THIS-HY Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
Avg.	Left blank	<p>Date: 2022-09-16 FCC CLASS-B(AVG)_CON</p> <p>Site : THIS-HY Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>



**UNII 3 - 5725~5850MHz**  
**802.11ax HE40 Full (Band Edge)**

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE40 Full CH151 5755MHz	
5	CSE	Fundamental
Peak	<p>Date: 2022-09-15</p> <p>Site : THIS-HY            Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>	<p>Date: 2022-09-15</p> <p>Site : THIS-HY            Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>
	<p>Date: 2022-09-15</p> <p>Site : THIS-HY            Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>	<p>Date: 2022-09-15</p> <p>Site : THIS-HY            Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:0.010kHz            Detector : Peak</p>
Peak/ Avg.		



WIFI	UNII 3 5725-5850MHz Band Edge	
ANT	802.11ax HE40 Full CH159 5795MHz	
5	CSE	Fundamental
Peak	<p>Site : THIS-HY            Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>	<p>Site : THIS-HY            Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>
Peak/ Avg.	<p>Site : THIS-HY            Condition : PEAK_BE(B4)_16-24 ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>	<p>Site : THIS-HY            Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL            RBW:1000.000kHz VBW:0.010kHz            Detector : Peak</p>



UNII 3 - 5725~5850MHz

802.11ax HE40 Partial 484 (Band Edge)

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE40 Partial 484/65 CH151 5755MHz	
5	CSE	Fundamental
Peak	<p>Site : THIS-HY Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	<p>Site : THIS-HY Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
	<p>Site : THIS-HY Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	<p>Site : THIS-HY Condition : FCC CLASS-B(AVG)_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>



WIFI	UNII 3 5725-5850MHz Band Edge	
ANT	802.11ax HE40 Partial 484/65 CH159 5795MHz	
5	CSE	Fundamental
Peak	<p>Date: 2022-09-24</p> <p>Site : TH05-HY            Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VIEW:3000.000kHz            Detector : Peak</p>	<p>Date: 2022-09-24</p> <p>Site : TH05-HY            Condition : PEAK(LNB) ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VIEW:3000.000kHz            Detector : Peak</p>
Peak/ Avg.	<p>Date: 2022-09-24</p> <p>Site : TH05-HY            Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VIEW:3000.000kHz            Detector : Peak</p>	<p>Date: 2022-09-24</p> <p>Site : TH05-HY            Condition : FCC CLASS-BUAWD_CON ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VIEW:0.010kHz            Detector : Peak</p>



**UNII 3 - 5725~5850MHz**  
**802.11ax HE80 Full (Band Edge)**

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE80 Full CH155 5775MHz	
5	CSE	Fundamental
Peak	<p>Date: 2022-09-15</p> <p>Site : TH95-HY            Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>	<p>Date: 2022-09-15</p> <p>Site : TH95-HY            Condition : PEAK(UNB) ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>
	<p>Date: 2022-09-15</p> <p>Site : TH95-HY            Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>	<p>Date: 2022-09-15</p> <p>Site : TH95-HY            Condition : FCC_CLASS(B4)W3_CON ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VBW:0.010kHz            Detector : Peak</p>
Peak/ Avg.		





UNII 3 - 5725~5850MHz

802.11ax HE80 Partial 996 (Band Edge)

WIFI	UNII 3 5725~5850MHz Band Edge	
ANT	802.11ax HE80 Partial 996/87 CH155 5775MHz	
5	CSE	Fundamental
Peak	<p>Site : TH95-HY Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	<p>Site : TH95-HY Condition : PEAK(LIN) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>
Peak/ Avg.	<p>Site : TH95-HY Condition : PEAK_BE(B4)_16.24 ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	<p>Site : TH95-HY Condition : FCC CLASS(BA)AVG_CON ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>

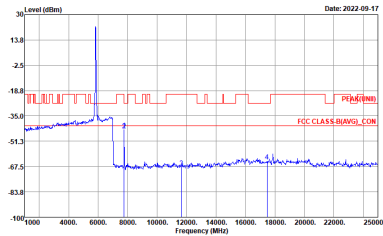


UNII 3 - 5725~5850MHz

WIFI 802.11a (Harmonic)

WIFI	UNII 3 5725~5850MHz Harmonic	
ANT	802.11a	
5	CH149 5745MHz	CH157 5785MHz
Peak Avg.	<p>Site : THSS-HY          Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz          Detector : Peak</p>	<p>Site : THSS-HY          Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz          Detector : Peak</p>



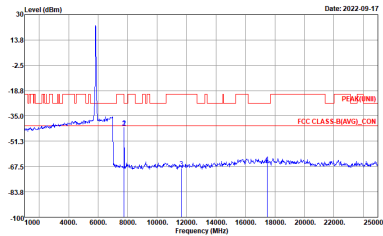
WIFI	<b>UNII 3 5725~5850MHz Harmonic</b>	
ANT	<b>802.11a</b>	
5	<b>CH165 5825MHz</b>	
<b>Peak Avg.</b>	 <p style="font-size: small;">             Date: 2022-09-17              Site : THSS-HY              Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL              : RBW:1000.000kHz VBW:3000.000kHz              Detector : Peak           </p>	<b>Left blank</b>



**UNII 3 - 5725~5850MHz**  
**WIFI 802.11ax HE20 Full (Harmonic)**

<b>WIFI</b>	<b>UNII 3 5725~5850MHz Harmonic</b>	
<b>ANT</b>	<b>802.11ax HE20 Full</b>	
<b>5</b>	<b>CH149 5745MHz</b>	<b>CH157 5785MHz</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : THSS-HY          Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz          Detector : Peak</p>	<p>Site : THSS-HY          Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz          Detector : Peak</p>



WIFI	UNII 3 5725~5850MHz Harmonic	
ANT	802.11ax HE20 Full	
5	CH165 5825MHz	
Peak Avg.	 <p>Site : THSS-HY Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz - Peak</p>	Left blank



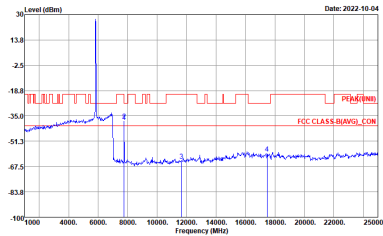
UNII 3 - 5725~5850MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic)

WIFI	UNII 3 5725~5850MHz Harmonic	
ANT	802.11ax HE20 Partial 26	
5	Partial 26/0 CH149 5745MHz	Partial 26/4 CH157 5785MHz
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>Site : THSS-HY            Condition : PEAK(AVERAGE) ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>	<p>Site : THSS-HY            Condition : PEAK(AVERAGE) ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>

**Remark:** The unwanted emission of CH157 was verified and passed by radiated measurement, please refer appendix G2.



WIFI	UNII 3 5725~5850MHz Harmonic	
ANT	802.11ax HE20 Partial 26	
5	Partial 26/8 CH165 5825MHz	
Peak Avg.	 <p>Site : THSS-HY          Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL          RBW:1000.000kHz VBW:3000.000kHz          Detector : Peak</p>	Left blank

**Remark:** The unwanted emission of CH165 was verified and passed by radiated measurement, please refer appendix G2.



**UNII 3 - 5725~5850MHz**  
**WIFI 802.11ax HE40 Full (Harmonic)**

WIFI	UNII 3 5725~5850MHz Harmonic	
ANT	802.11ax HE40 Full	
5	CH151 5755MHz	CH159 5795MHz
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>Site : THSS-HY            Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>	<p>Site : THSS-HY            Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak</p>





**UNII 3 - 5725~5850MHz**  
**WIFI 802.11ax HE80 Full (Harmonic)**

<b>WIFI</b>	<b>UNII 3 5725~5850MHz Harmonic</b>	
<b>ANT</b>	<b>802.11ax HE80 Full</b>	
<b>5</b>	<b>CH155 5775MHz</b>	
<b>Peak</b> <b>Avg.</b>	<p> <small>           Date: 2022-09-17            Site : THSE-HY            Condition : PEAK(AVG) ANT GAIN+7.73 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak         </small> </p>	<b>Left blank</b>

**Remark:** The unwanted emission of CH155 was verified and passed by radiated measurement, please refer appendix G2.

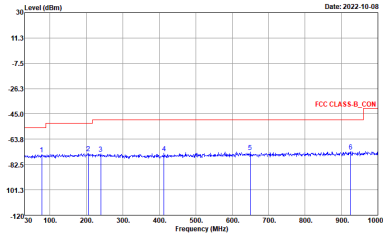


**Emission above 25GHz**  
**5GHz WIFI 802.11ax HE80 Full (SHF)**

<b>WIFI</b>	<b>5GHz 5725~5850MHz</b>	
<b>ANT</b>	<b>802.11ax HE80 Full</b>	
<b>5</b>	<b>CSE</b>	-
<b>Peak</b> <b>Avg.</b>	<p>Site : TH95-HY Condition : PEAK(Q100) ANT GAIN+7.73 HORIZONTAL Detector : Peak</p>	Left blank



Emission below 1GHz  
5GHz WIFI 802.11ax HE80 Full(LF)

WIFI	5GHz 5725~5850MHz	
ANT	802.11ax HE80 Full	
5	CSE	
QP / Peak	 <p>Site : TH05-HY Condition : FCC CLASS B_CON ANT GAIN+7.73 HORIZONTAL RBW : 120.0000Hz VIEW : 300.0000Hz Detector : Peak</p>	Left blank



### Appendix D. Cabinet Radiated Spurious Emission

Test Engineer :	Andy Yang, Karl Hou and Steven Wu	Temperature :	20~25°C
		Relative Humidity :	50~60%

**Band 4 - 5725~5850MHz**  
**WIFI 802.11a (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 )	
802.11a CH 149 5745MHz		5608.2	53.25	-14.95	68.2	38.2	33.08	11.56	29.59	100	122	P	H	
		5669.8	53.55	-29.34	82.89	38.35	33.16	11.64	29.6	100	122	P	H	
		5712	53.21	-55.35	108.56	37.68	33.45	11.69	29.61	100	122	P	H	
		5725	52.36	-69.84	122.2	36.76	33.5	11.71	29.61	100	122	P	H	
	*	5745	89.74	-	-	74.04	33.58	11.73	29.61	100	122	P	H	
	*	5745	82.21	-	-	66.51	33.58	11.73	29.61	100	122	A	H	
														H
														H
			5622.6	53.51	-14.69	68.2	38.47	33.05	11.58	29.59	381	32	P	V
			5699.8	54.15	-50.9	105.05	38.69	33.4	11.67	29.61	381	32	P	V
			5713.8	53.5	-55.57	109.07	37.96	33.46	11.69	29.61	381	32	P	V
			5723	54.06	-63.58	117.64	38.48	33.49	11.7	29.61	381	32	P	V
	*	5745	91.17	-	-	75.47	33.58	11.73	29.61	381	32	P	V	
	*	5745	85.73	-	-	70.03	33.58	11.73	29.61	381	32	A	V	
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



WIFI Ant. 5+4	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 157 5785MHz		5606.6	54.03	-14.17	68.2	38.97	33.09	11.56	29.59	116	122	P	H	
		5661.4	54.14	-22.52	76.66	39.02	33.09	11.63	29.6	116	122	P	H	
		5718	52.71	-57.53	110.24	37.15	33.47	11.7	29.61	116	122	P	H	
		5720.8	52.34	-60.28	112.62	36.77	33.48	11.7	29.61	116	122	P	H	
	*	5785	89.2	-	-	73.23	33.81	11.78	29.62	116	122	P	H	
	*	5785	82.47	-	-	66.5	33.81	11.78	29.62	116	122	A	H	
		5855	53.6	-57.2	110.8	37.27	34.12	11.84	29.63	116	122	P	H	
		5863	54.18	-54.38	108.56	37.82	34.15	11.85	29.64	116	122	P	H	
		5879.6	54.51	-47.27	101.78	38.07	34.22	11.86	29.64	116	122	P	H	
		5932.2	54.72	-13.48	68.2	38.17	34.3	11.9	29.65	116	122	P	H	
														H
														H
			5644.2	54.12	-14.08	68.2	39.1	33.01	11.61	29.6	394	32	P	V
			5692.2	53.35	-46.1	99.45	37.94	33.34	11.67	29.6	394	32	P	V
			5720	53.09	-57.71	110.8	37.52	33.48	11.7	29.61	394	32	P	V
			5723.8	54.21	-65.25	119.46	38.62	33.5	11.7	29.61	394	32	P	V
	*		5785	93.95	-	-	77.98	33.81	11.78	29.62	394	32	P	V
	*		5785	86.73	-	-	70.76	33.81	11.78	29.62	394	32	A	V
			5852.2	53.87	-63.31	117.18	37.55	34.11	11.84	29.63	394	32	P	V
			5868.8	53.98	-52.95	106.93	37.59	34.18	11.85	29.64	394	32	P	V
		5915.6	54.74	-20.39	75.13	38.19	34.3	11.89	29.64	394	32	P	V	
		5941.2	54.78	-13.42	68.2	38.22	34.3	11.91	29.65	394	32	P	V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



WiFi Ant. 5+4	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 165 5825MHz	*	5825	87.62	-	-	71.43	34	11.82	29.63	100	123	P	H	
	*	5825	81.55	-	-	65.36	34	11.82	29.63	100	123	A	H	
		5854.4	54.03	-58.14	112.17	37.7	34.12	11.84	29.63	100	123	P	H	
		5873.8	55.47	-50.07	105.54	39.05	34.2	11.86	29.64	100	123	P	H	
		5921.6	54.56	-16.15	70.71	38.02	34.3	11.89	29.65	100	123	P	H	
		5934.6	54.25	-13.95	68.2	37.7	34.3	11.9	29.65	100	123	P	H	
														H
														H
	*	5825	92.03	-	-	75.84	34	11.82	29.63	377	29	29	P	V
	*	5825	85.84	-	-	69.65	34	11.82	29.63	377	29	29	A	V
		5851.6	52.98	-65.57	118.55	36.66	34.11	11.84	29.63	377	29	29	P	V
		5866.8	53.95	-53.54	107.49	37.57	34.17	11.85	29.64	377	29	29	P	V
		5922.6	54.6	-15.37	69.97	38.06	34.3	11.89	29.65	377	29	29	P	V
		5928.8	54.05	-14.15	68.2	37.5	34.3	11.9	29.65	377	29	29	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. 5+4	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		11490	47.79	-26.21	74	57.76	39.2	17.05	66.22	-	-	P	H	
		17235	47.65	-20.55	68.2	53.87	38.47	21.47	66.16	-	-	P	H	
													H	
													H	
			11490	47.79	-26.21	74	57.76	39.2	17.05	66.22	-	-	P	V
			17235	48.74	-19.46	68.2	54.96	38.47	21.47	66.16	-	-	P	V
														V
802.11a CH 157 5785MHz		11570	47.86	-26.14	74	57.97	38.99	17.12	66.22	-	-	P	H	
		17355	47.16	-21.04	68.2	52.91	38.76	21.52	66.03	-	-	P	H	
													H	
													H	
			11570	47.48	-26.52	74	57.59	38.99	17.12	66.22	-	-	P	V
			17355	46.79	-21.41	68.2	52.54	38.76	21.52	66.03	-	-	P	V
														V
802.11a CH 165 5825MHz		11650	47.88	-26.12	74	58.11	38.8	17.19	66.22	-	-	P	H	
		17475	48.03	-20.17	68.2	53.39	38.97	21.57	65.9	-	-	P	H	
													H	
													H	
			11650	47.37	-26.63	74	57.6	38.8	17.19	66.22	-	-	P	V
			17475	48.13	-20.07	68.2	53.49	38.97	21.57	65.9	-	-	P	V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



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

WIFI Ant. 5+4	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 )
		5635.8	53.13	-15.07	68.2	38.1	33.03	11.59	29.59	115	122	P	H
		5668	52.8	-28.76	81.56	37.62	33.14	11.64	29.6	115	122	P	H
		5717.4	53.55	-56.52	110.07	37.99	33.47	11.7	29.61	115	122	P	H
		5721.8	52.68	-62.22	114.9	37.1	33.49	11.7	29.61	115	122	P	H
	*	5785	93.15	-	-	77.18	33.81	11.78	29.62	115	122	P	H
	*	5785	81.93	-	-	65.96	33.81	11.78	29.62	115	122	A	H
		5852.6	52.86	-63.41	116.27	36.54	34.11	11.84	29.63	115	122	P	H
		5856.6	53.67	-56.68	110.35	37.33	34.13	11.84	29.63	115	122	P	H
		5887	54.96	-41.33	96.29	38.48	34.25	11.87	29.64	115	122	P	H
		5939	54.38	-13.82	68.2	37.83	34.3	11.9	29.65	115	122	P	H
<b>802.11ax</b>													H
<b>HE20 Full</b>													H
<b>CH 157</b>		5609.8	53.49	-14.71	68.2	38.44	33.08	11.56	29.59	395	33	P	V
<b>5785MHz</b>		5678.8	53.45	-36.1	89.55	38.17	33.23	11.65	29.6	395	33	P	V
		5715.2	54.18	-55.28	109.46	38.64	33.46	11.69	29.61	395	33	P	V
		5721.8	52.81	-62.09	114.9	37.23	33.49	11.7	29.61	395	33	P	V
	*	5785	94.23	-	-	78.26	33.81	11.78	29.62	395	33	P	V
	*	5785	86.48	-	-	70.51	33.81	11.78	29.62	395	33	A	V
		5852	53.45	-64.19	117.64	37.13	34.11	11.84	29.63	395	33	P	V
		5855.4	54.38	-56.31	110.69	38.05	34.12	11.84	29.63	395	33	P	V
		5917.2	54.68	-19.27	73.95	38.14	34.3	11.89	29.65	395	33	P	V
		5928.2	53.86	-14.34	68.2	37.31	34.3	11.9	29.65	395	33	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 Full (Harmonic @ 3m)**

WIFI Ant. 5+4	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11ax HE20 Full CH 157 5785MHz		11570	47.35	-26.65	74	57.46	38.99	17.12	66.22	-	-	P	H	
		17355	47.03	-21.17	68.2	52.78	38.76	21.52	66.03	-	-	P	H	
													H	
													H	
			11570	47.95	-26.05	74	58.06	38.99	17.12	66.22	-	-	P	V
			17355	46.87	-21.33	68.2	52.62	38.76	21.52	66.03	-	-	P	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 26 (Band Edge @ 3m)**

WIFI Ant. 5+4	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 )
		5603.6	53.61	-14.59	68.2	38.56	33.09	11.55	29.59	106	212	P	H
		5661.4	54.16	-22.5	76.66	39.04	33.09	11.63	29.6	106	212	P	H
		5700.6	54.75	-50.62	105.37	39.28	33.4	11.68	29.61	106	212	P	H
		5722.4	52.57	-63.7	116.27	36.99	33.49	11.7	29.61	106	212	P	H
	*	5785	95.81	-	-	79.84	33.81	11.78	29.62	106	212	P	H
	*	5785	86.66	-	-	70.69	33.81	11.78	29.62	106	212	A	H
		5855	53.03	-57.77	110.8	36.7	34.12	11.84	29.63	106	212	P	H
		5861.8	54.25	-54.64	108.89	37.89	34.15	11.85	29.64	106	212	P	H
		5914	55.13	-21.18	76.31	38.58	34.3	11.89	29.64	106	212	P	H
		5942.8	54.29	-13.91	68.2	37.73	34.3	11.91	29.65	106	212	P	H
<b>802.11ax HE20</b>													H
<b>Partial 26/4</b>													H
<b>CH 157</b>		5605.4	54.45	-13.75	68.2	39.39	33.09	11.56	29.59	374	28	P	V
<b>5785MHz</b>		5696.6	53.96	-48.73	102.69	38.53	33.37	11.67	29.61	374	28	P	V
		5708	53.88	-53.56	107.44	38.37	33.43	11.69	29.61	374	28	P	V
		5723	52.59	-65.05	117.64	37.01	33.49	11.7	29.61	374	28	P	V
	*	5785	99.18	-	-	83.21	33.81	11.78	29.62	374	28	P	V
	*	5785	89.57	-	-	73.6	33.81	11.78	29.62	374	28	A	V
		5850	54.11	-68.09	122.2	37.8	34.1	11.84	29.63	374	28	P	V
		5872	53.97	-52.07	106.04	37.57	34.19	11.85	29.64	374	28	P	V
		5906.8	55.25	-26.38	81.63	38.71	34.3	11.88	29.64	374	28	P	V
		5946	55.15	-13.05	68.2	38.59	34.3	11.91	29.65	374	28	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. 5+4	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11ax HE20 Partial 26/4 CH 157 5785MHz		11570	47.89	-26.11	74	58	38.99	17.12	66.22	-	-	P	H	
		17355	47.66	-20.54	68.2	53.41	38.76	21.52	66.03	-	-	P	H	
													H	
													H	
			11570	47.92	-26.08	74	58.03	38.99	17.12	66.22	-	-	P	V
			17355	47.81	-20.39	68.2	53.56	38.76	21.52	66.03	-	-	P	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 HE40\_Full (Band Edge @ 3m)**

WIFI Ant. 5+4	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 )
		5617.6	52.8	-15.4	68.2	37.76	33.06	11.57	29.59	400	310	P	H
		5688.6	53.07	-43.72	96.79	37.7	33.31	11.66	29.6	400	310	P	H
		5701	53.05	-52.43	105.48	37.58	33.4	11.68	29.61	400	310	P	H
		5722.2	52.09	-63.73	115.82	36.51	33.49	11.7	29.61	400	310	P	H
	*	5795	86.6	-	-	70.56	33.87	11.79	29.62	400	310	P	H
	*	5795	76.9	-	-	60.86	33.87	11.79	29.62	400	310	A	H
		5851.8	52.9	-65.2	118.1	36.58	34.11	11.84	29.63	400	310	P	H
		5872.8	54.39	-51.43	105.82	37.99	34.19	11.85	29.64	400	310	P	H
		5889.4	54.59	-39.92	94.51	38.1	34.26	11.87	29.64	400	310	P	H
		5944.6	54.53	-13.67	68.2	37.97	34.3	11.91	29.65	400	310	P	H
<b>802.11ax</b>													H
<b>HE40 Full</b>													H
<b>CH 159</b>		5633.8	52.58	-15.62	68.2	37.55	33.03	11.59	29.59	331	73	P	V
<b>5795MHz</b>		5684.8	53.31	-40.68	93.99	37.97	33.28	11.66	29.6	331	73	P	V
		5708.6	53.05	-54.56	107.61	37.54	33.43	11.69	29.61	331	73	P	V
		5724.4	52.79	-68.04	120.83	37.19	33.5	11.71	29.61	331	73	P	V
	*	5795	89.44	-	-	73.4	33.87	11.79	29.62	331	73	P	V
	*	5795	80.56	-	-	64.52	33.87	11.79	29.62	331	73	A	V
		5850.6	52.98	-67.85	120.83	36.67	34.1	11.84	29.63	331	73	P	V
		5862.8	53.87	-54.74	108.61	37.51	34.15	11.85	29.64	331	73	P	V
		5887.4	54.86	-41.13	95.99	38.38	34.25	11.87	29.64	331	73	P	V
		5943.6	55.05	-13.15	68.2	38.49	34.3	11.91	29.65	331	73	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. 5+4	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11ax HE40 Full CH 159 5795MHz		11590	47.96	-26.04	74	58.11	38.93	17.14	66.22	-	-	P	H	
		17385	48.31	-19.89	68.2	53.92	38.85	21.54	66	-	-	P	H	
													H	
													H	
			11590	47.49	-26.51	74	57.64	38.93	17.14	66.22	-	-	P	V
			17385	47.78	-20.42	68.2	53.39	38.85	21.54	66	-	-	P	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. 5+4	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 )
		5649.8	52.48	-15.72	68.2	37.47	33	11.61	29.6	100	123	P	H
		5653.6	53.66	-17.21	70.87	38.61	33.03	11.62	29.6	100	123	P	H
		5700.6	52.69	-52.68	105.37	37.22	33.4	11.68	29.61	100	123	P	H
		5721.8	53.27	-61.63	114.9	37.69	33.49	11.7	29.61	100	123	P	H
	*	5775	83.2	-	-	67.3	33.75	11.77	29.62	100	123	P	H
	*	5775	73.46	-	-	57.56	33.75	11.77	29.62	100	123	A	H
		5851.4	52.96	-66.05	119.01	36.64	34.11	11.84	29.63	100	123	P	H
		5873	54.38	-51.38	105.76	37.98	34.19	11.85	29.64	100	123	P	H
		5887.8	54.69	-41.01	95.7	38.21	34.25	11.87	29.64	100	123	P	H
		5945.6	54.78	-13.42	68.2	38.22	34.3	11.91	29.65	100	123	P	H
<b>802.11ax</b>													H
<b>HE80 Full</b>													H
<b>CH 155</b>		5644.6	53.52	-14.68	68.2	38.5	33.01	11.61	29.6	300	67	P	V
<b>5775MHz</b>		5672.6	53.66	-31.3	84.96	38.44	33.18	11.64	29.6	300	67	P	V
		5702.6	54.07	-51.86	105.93	38.59	33.41	11.68	29.61	300	67	P	V
		5723.4	52.51	-66.04	118.55	36.93	33.49	11.7	29.61	300	67	P	V
	*	5775	85.63	-	-	69.73	33.75	11.77	29.62	300	67	P	V
	*	5775	76.4	-	-	60.5	33.75	11.77	29.62	300	67	A	V
		5850.6	53.22	-67.61	120.83	36.91	34.1	11.84	29.63	300	67	P	V
		5873	53.73	-52.03	105.76	37.33	34.19	11.85	29.64	300	67	P	V
		5890	55.67	-38.4	94.07	39.18	34.26	11.87	29.64	300	67	P	V
		5931	54.83	-13.37	68.2	38.28	34.3	11.9	29.65	300	67	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. 5+4	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11ax HE80 Full CH 155 5775MHz		11550	47.9	-26.1	74	57.96	39.05	17.11	66.22	-	-	P	H	
		17325	47.74	-20.46	68.2	53.62	38.67	21.51	66.06	-	-	P	H	
													H	
													H	
			11550	47.95	-26.05	74	58.01	39.05	17.11	66.22	-	-	P	V
			17325	47.9	-20.3	68.2	53.78	38.67	21.51	66.06	-	-	P	V
														V
														V
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>													



**Emission above 18GHz**

**5GHz WIFI 802.11ax HE20 Full (SHF @ 1m)**

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5+4		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11ax HE20 Full SHF		22416	34.89	-39.11	74	54.43	38.27	-3.28	54.53	-	-	P	H
		34806	44.83	-43.37	88.2	63.37	41.42	-1.5	58.46	-	-	P	H
													H
													H
		22752	37.1	-36.9	74	56.12	38.5	-3.22	54.3	-	-	P	V
		34680	42.58	-45.62	88.2	61.14	41.42	-1.54	58.44	-	-	P	V
													V
													V
<b>Remark</b>	<ol style="list-style-type: none"> <li>1. No other spurious found.</li> <li>2. All results are PASS against limit line.</li> <li>3. 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**

**5GHz WIFI 802.11ax HE20 Full (LF @ 3m)**

WIFI Ant. 5+4	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 Full LF</b>		70.74	24.85	-15.15	40	43.59	12.3	1.24	32.28	-	-	P	H
		109.54	29	-14.5	43.5	42.82	16.83	1.61	32.26	-	-	P	H
		184.23	26.53	-16.97	43.5	41.84	14.88	2.13	32.32	-	-	P	H
		489.78	25.91	-20.09	46	31.19	23.86	3.39	32.53	-	-	P	H
		756.53	30.47	-15.53	46	30.46	28.14	4.28	32.41	-	-	P	H
		953.44	32.97	-13.03	46	28.83	30.64	4.81	31.31	-	-	P	H
		68.8	33.51	-6.49	40	52.29	12.29	1.21	32.28	-	-	P	V
		108.57	36.56	-6.94	43.5	50.36	16.85	1.61	32.26	-	-	P	V
		186.17	27.96	-15.54	43.5	43.28	14.86	2.14	32.32	-	-	P	V
		512.09	25.3	-20.7	46	30.34	24.04	3.48	32.56	-	-	P	V
		768.17	30.59	-15.41	46	30.61	28.09	4.3	32.41	-	-	P	V
		858.38	31.78	-14.22	46	30.18	29.05	4.58	32.03	-	-	P	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>over limit</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	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
5+4													
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)

**Peak measured complies with the limit line, so test result is “PASS”.**



## Appendix E. Cabinet Radiated Spurious Emission Plots

Test Engineer :	Andy Yang, Karl Hou and Steven Wu	Temperature :	20~25°C
		Relative Humidity :	50~60%



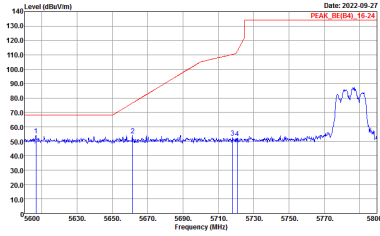
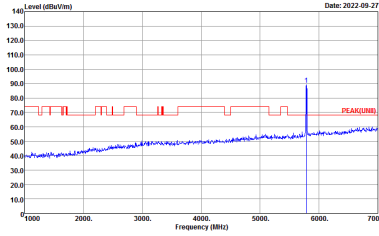
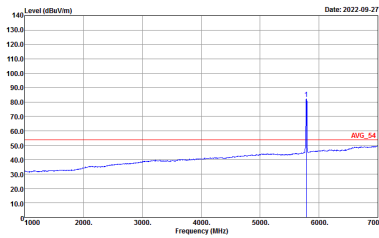
**Band 4 - 5725~5850MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY            Condition : PEAK_85(B4)_16-24 3m 91200_1522_220310 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH16-HY            Condition : PEAK(LINE) 3m 91200_1522_220310 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH16-HY            Condition : AVG_54 3m 91200_1522_220310 HORIZONTAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
5+4	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH16-HY Condition : PEAK(LIN) 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	<p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



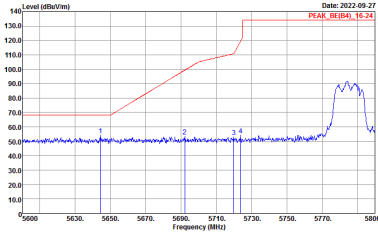
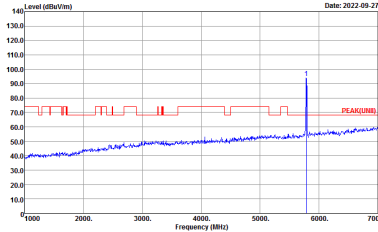
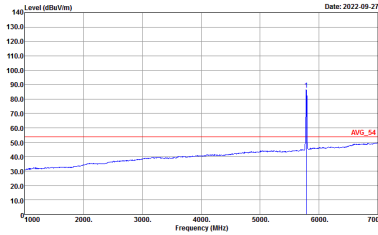
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
5+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



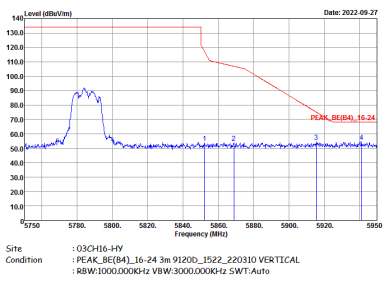
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
5+4	Horizontal	Fundamental
Peak	<p>Site : 03CH16+HY Condition : PEAK_BE(B4)_16-24 3m 91200_1922_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



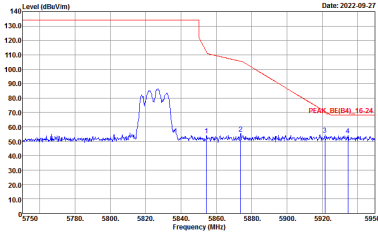
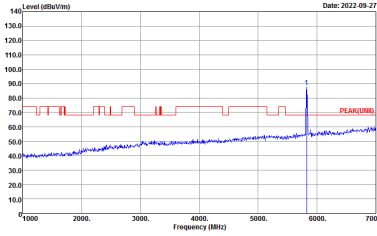
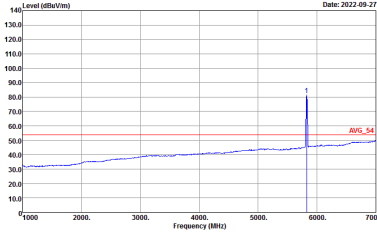


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

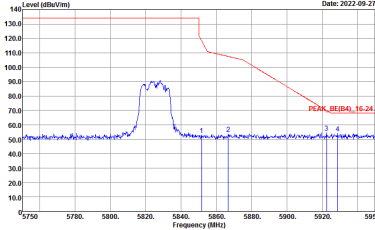
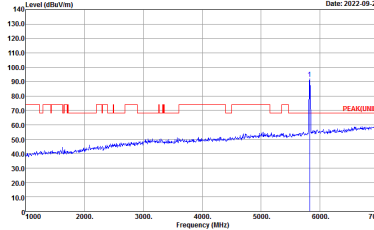
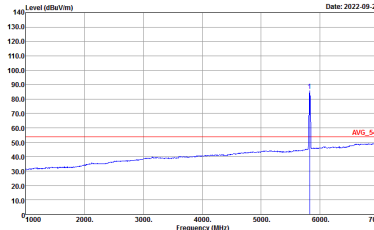


<b>WIFI</b>	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11a CH157 5785MHz</b>	
<b>5+4</b>	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	 <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1922_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<b>Left blank</b>



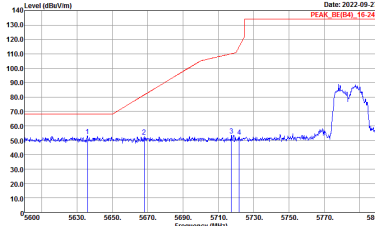
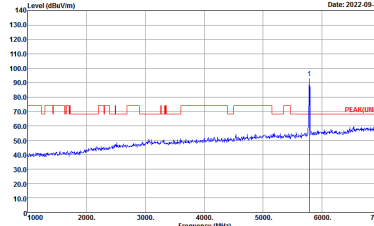
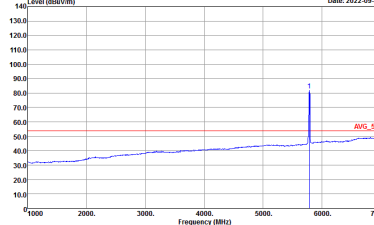
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
5+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



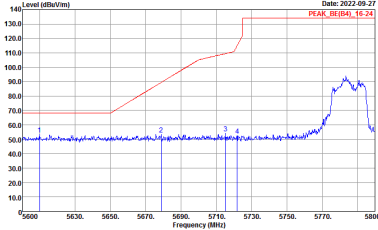
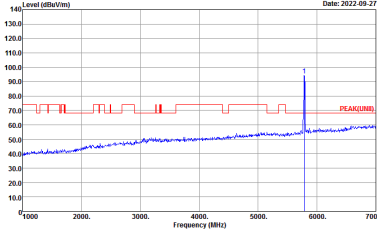
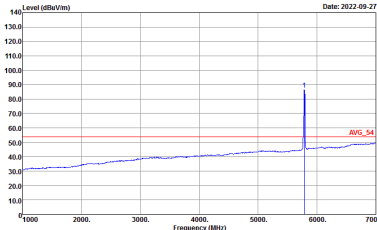
**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
ANT	<b>802.11ax HE20 Full CH157 5785MHz</b>	
5+4	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	 <p>Site : 03CH16-HY          Condition : PEAK_BE(84)_16-24 3m 91200_1522_220310 HORIZONTAL          RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY          Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL          RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<b>Avg</b>	<b>Left blank</b>	
		 <p>Site : 03CH16-HY          Condition : AV6_54 3m 91200_1522_220310 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 Full CH157 5785MHz</b>	
<b>5+4</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH16-4FY Condition : PEAK_BE(B4)_16-24 3m 91200_1922_220310 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 HE20 Full CH157 5785MHz	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNI) 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

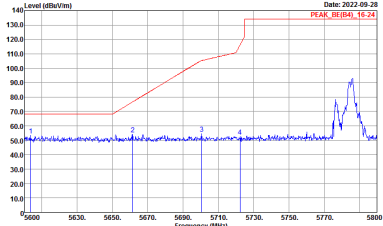
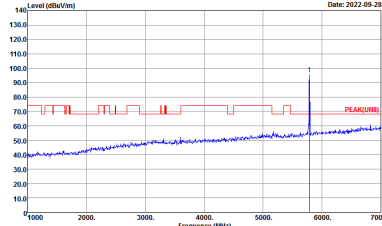
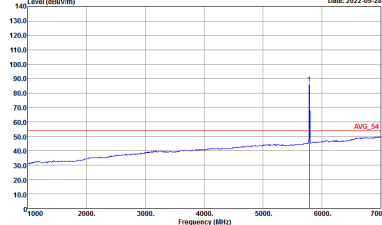


<b>WIFI</b>	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE20 Full CH157 5785MHz</b>	
<b>5+4</b>	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 91200_1922_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<b>Left blank</b>





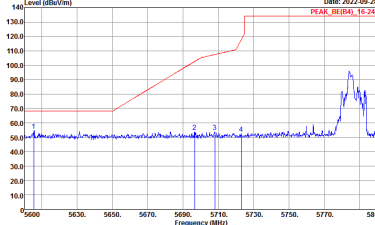
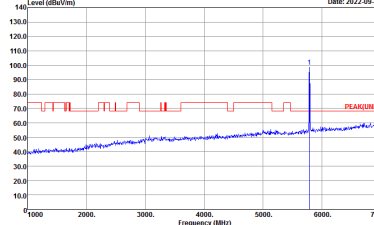
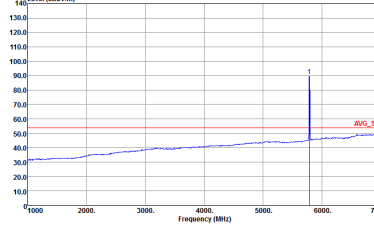
**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)**

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
5+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY            Condition : PEAK_BE(B4)_16-24 3m 91200_1522_220310 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	<p align="center">Left blank</p>  <p>Site : 03CH16-HY            Condition : AVG_54 3m 91200_1522_220310 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>5+4</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH16-4FY Condition : PEAK_BE(B4)_16-24 3m 91200_1922_220310 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<b>Left blank</b>



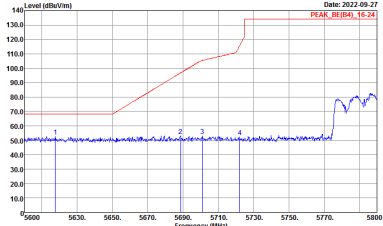
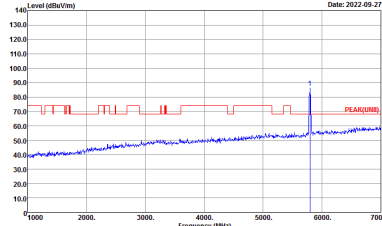
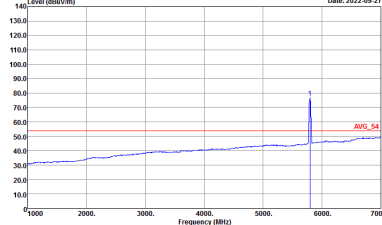
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 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>5+4</b>	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH16-HY          Condition : PEAK_BE(B4)_16-24 3m 91200_1922_220310 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<b>Left blank</b>



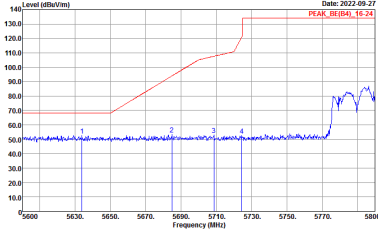
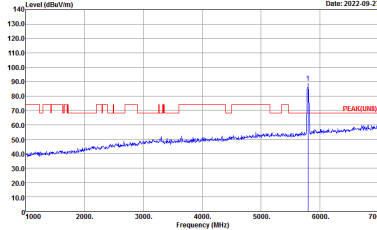
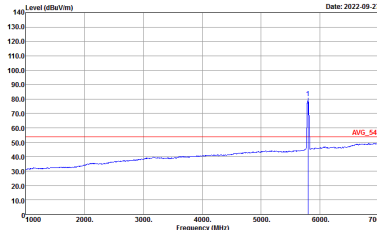
**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
5+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY          Condition : PEAK_BE(B4)_16-24 3m 91200_1522_220310 HORIZONTAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY          Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	<p align="center">Left blank</p>  <p>Site : 03CH16-HY          Condition : AVG_54 3m 91200_1522_220310 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>5+4</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH16+HY Condition : PEAK_BE(B4)_16-24 3m 91200_1922_220310 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	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII)_3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

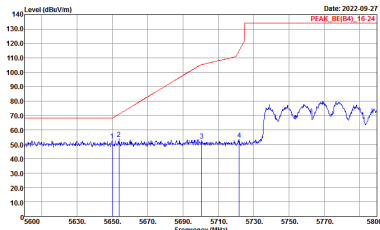
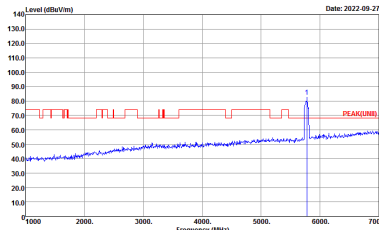
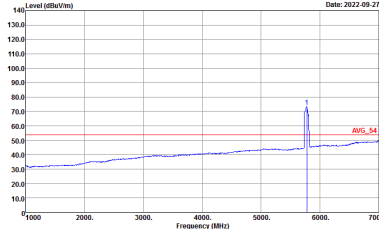


<b>WIFI</b>	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE40 Full CH159 5795MHz</b>	
<b>5+4</b>	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH16+HY Condition : PEAK_BE(B4)_16-24 3m 91200_1922_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<b>Left blank</b>





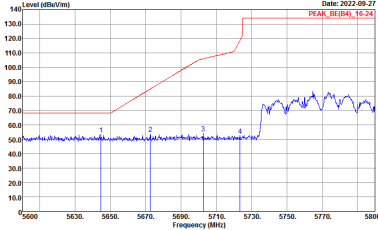
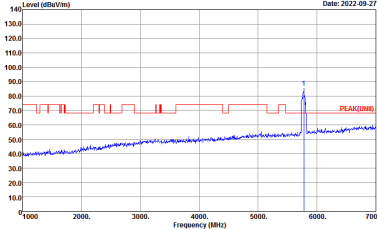
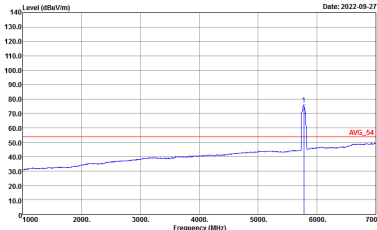
**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
5+4	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY          Condition : PEAK_BE(B4)_16-24 3m 91200_1522_220310 HORIZONTAL          RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY          Condition : PEAK(UNIT) 3m 91200_1522_220310 HORIZONTAL          RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	
		 <p>Site : 03CH16-HY          Condition : AVG_54 3m 91200_1522_220310 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 HE80 Full CH155 5775MHz</b>	
<b>5+4</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH16+HY Condition : PEAK_BE(B4)_16-24 3m 91200_1922_220310 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	
5+4	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(84)_16-24 3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII)_3m 91200_1522_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	Left blank	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 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>5+4</b>	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH16-4FY Condition : PEAK_BE(B4)_16-24 3m 91200_1922_220310 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<b>Left blank</b>



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

<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11a CH149 5745MHz</b>	
<b>5+4</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 05C116-HY          Condition : PEAK(LINE) 3m 9120D_1522_220310 HORIZONTAL          Detector : Peak</p>	<p>Site : 05C116-HY          Condition : PEAK(LINE) 3m 9120D_1522_220310 VERTICAL          Detector : Peak</p>

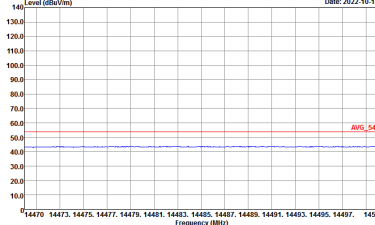
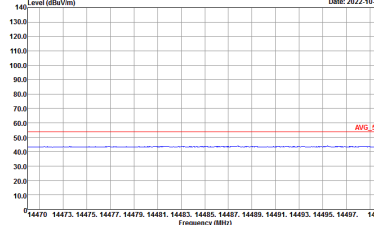
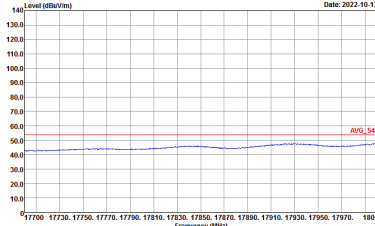
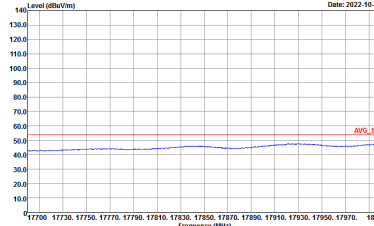


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
5+4	Horizontal	Vertical
<b>14.47G</b> <b>~14.5G</b> <b>Avg.</b>	<p>Site : 03CH16-HY            Condition : AVG_54 3m 91200_1522_220310 HORIZONTAL            Detector : Peak</p>	<p>Site : 03CH16-HY            Condition : AVG_54 3m 91200_1522_220310 VERTICAL            Detector : Peak</p>
	<p>Site : 03CH16-HY            Condition : AVG_54 3m 91200_1522_220310 VERTICAL            Detector : Peak</p>	<p>Site : 03CH16-HY            Condition : AVG_54 3m 91200_1522_220310 VERTICAL            Detector : Peak</p>
<b>17.7G</b> <b>~18G</b> <b>Avg</b>		



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
5+4	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINEI) 3m 91200_1522_220310 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH16-HY Condition : PEAK(LINEI) 3m 91200_1522_220310 VERTICAL Detector : Peak</p>



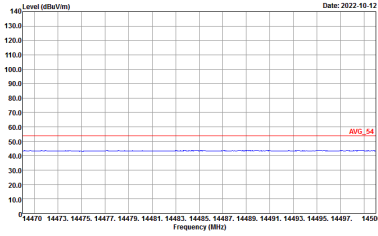
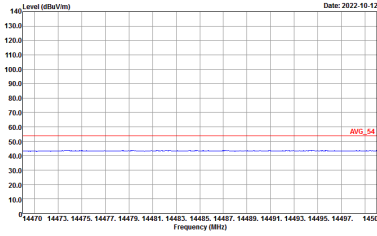
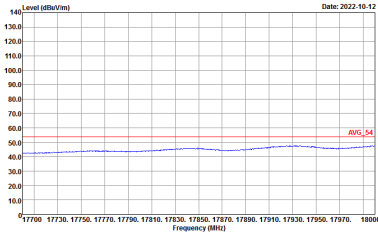
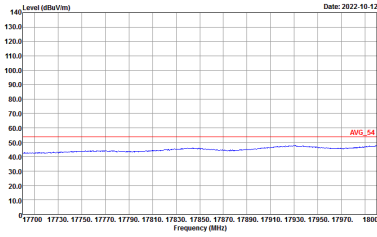
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
5+4	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 HORIZONTAL Detector : Peak</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL Detector : Peak</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg</b></p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL Detector : Peak</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL Detector : Peak</p>





WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
5+4	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522_220310 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522_220310 VERTICAL Detector : Peak</p>



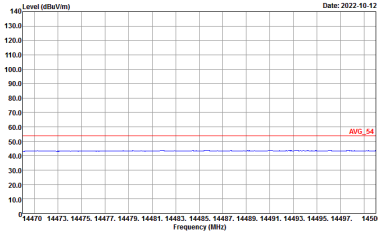
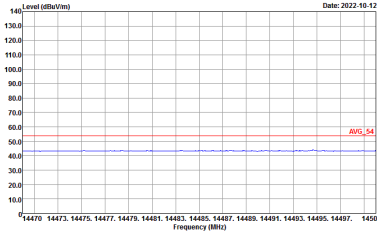
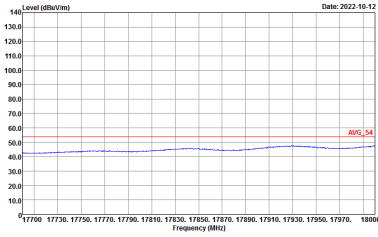
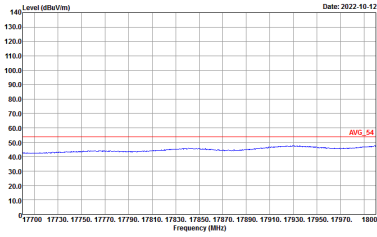
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
5+4	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 HORIZONTAL Detector : Peak</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL Detector : Peak</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg</b></p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 HORIZONTAL Detector : Peak</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL Detector : Peak</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 CH157 5785MHz</b>	
<b>5+4</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522_220310 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522_220310 VERTICAL Detector : Peak</p>



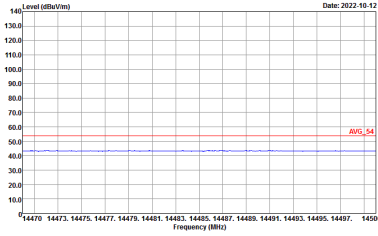
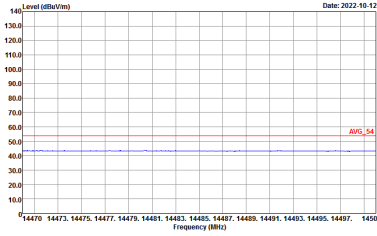
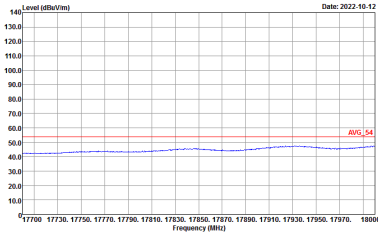
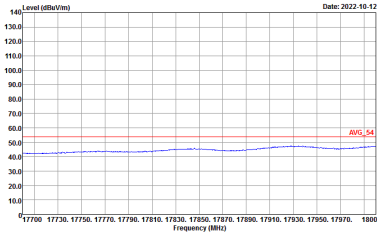
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
5+4	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 HORIZONTAL Detector : Peak</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL Detector : Peak</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg</b></p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL Detector : Peak</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL Detector : Peak</p>



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

<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ax HE20 Partial 26/4 CH157 5785MHz</b>	
<b>5+4</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522_220310 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522_220310 VERTICAL Detector : Peak</p>



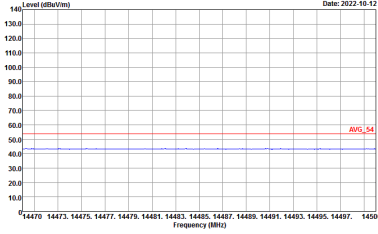
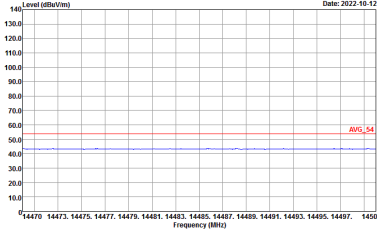
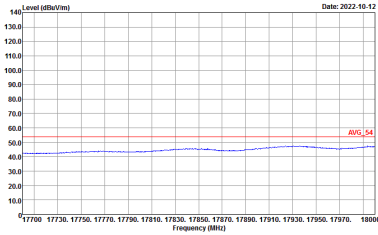
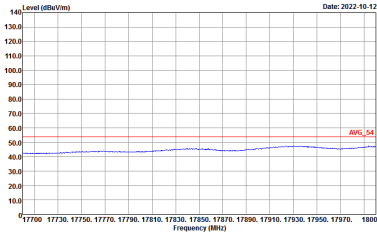
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
5+4	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 HORIZONTAL Detector : Peak</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL Detector : Peak</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg</b></p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 HORIZONTAL Detector : Peak</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL Detector : Peak</p>



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

Table with 2 columns: Horizontal and Vertical. Rows include WIFI (Band 4 5725~5850MHz Harmonic @ 3m), ANT (802.11ax HE40 Full CH159 5795MHz), 5+4, and Peak Avg. Each plot shows Level (dBu/Vm) vs Frequency (MHz) with Peak and Avg lines.



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
5+4	Horizontal	Vertical
<p>14.47G ~14.5G Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 HORIZONTAL Detector : Peak</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL Detector : Peak</p>
<p>17.7G ~18G Avg</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL Detector : Peak</p>	 <p>Site : 03CH16-HY Condition : AVG_54 3m 91200_1522_220310 VERTICAL Detector : Peak</p>





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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
5+4	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522_220310 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522_220310 VERTICAL Detector : Peak</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
5+4	Horizontal	Vertical
<b>14.47G</b> <b>~14.5G</b> <b>Avg.</b>	<p>Site : 03CH16-HY            Condition : AVG_54 3m 91200_1522_220310 HORIZONTAL            Detector : Peak</p>	<p>Site : 03CH16-HY            Condition : AVG_54 3m 91200_1522_220310 VERTICAL            Detector : Peak</p>
	<p>Site : 03CH16-HY            Condition : AVG_54 3m 91200_1522_220310 VERTICAL            Detector : Peak</p>	<p>Site : 03CH16-HY            Condition : AVG_54 3m 91200_1522_220310 VERTICAL            Detector : Peak</p>
<b>17.7G</b> <b>~18G</b> <b>Avg</b>		



Emission above 18GHz  
5GHz WIFI 802.11ax HE20 Full (SHF @ 1m)

WIFI	5GHz WIFI	
ANT	802.11ax HE20 Full SHF	
5+4	Horizontal	Vertical
Peak Avg.	<p>Site : 05C116-HY Condition : PEAK(LINE1)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak</p>	<p>Site : 05C116-HY Condition : PEAK(LINE1)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak</p>



Emission below 1GHz
5GHz WIFI 802.11ax HE20 Full (LF @ 3m)

Table with 2 columns: Horizontal and Vertical. Each column contains a spectral plot showing Level (dBuV/m) vs Frequency (MHz) with a 'QP' marker. The table also includes headers for WIFI, ANT, and 5+4.