



# FCC RADIO TEST REPORT

FCC ID : PY7-45256F  
Equipment : GSM/WCDMA/LTE/5G Phone with BT, DTS/UNII  
a/b/g/n/ac/ax, GPS and NFC  
Brand Name : Sony  
Applicant : Sony Corporation  
1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan  
Manufacturer : Sony Corporation  
1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan  
Standard : FCC Part 15 Subpart E §15.407

The product was received on Mar. 24, 2021 and testing was started from Mar. 30, 2021 and completed on Apr. 28, 2021. We, Sporton International Inc. EMC & Wireless Communications 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 of Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

*Louis Wu*

Approved by: Louis Wu

**Sporton International Inc. EMC & Wireless Communications Laboratory**

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



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### History of this test report

Report No.	Version	Description	Issued Date
FR132425F	01	Initial issue of report	Apr. 30, 2021



## 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	Under limit 5.30 dB at 18000.000 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 11.40 dB at 0.335 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Wii Chang**

**Report Producer: Cindy Liu**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, DTS/UNII a/b/g/n/ac/ax, NFC, and GNSS.

Product Specification subjective to this standard	
Antenna Type / Gain	<Chain 0>: Loop Antenna with gain -1.9 dBi <Chain 1>: Monopole Antenna with gain -6.3 dBi

**Remark:** The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

EUT Information List			
HW Version	SW Version	S/N	Performed Test Item
A	0.325	QV7200A968	RF conducted measurement
	0.325	QV7200J77E	Radiated Spurious Emission
	0.747	QV7200P17E	AC Conducted Emission

Accessory List	
AC Adapter	Model Name : XQZ-UC1
	S/N : 0020W51300095 (for Radiated Spurious Emission) 0020W51300096 (for Conducted Emission)
Earphone	Model Name : MH750
	S/N : N/A
Bluetooth Earphone	Model Name : SBH82D
	S/N : N/A
USB Cable	Model Name : XQZ-UB1
	S/N : N/A

**Note:**

1. Above EUT list used are electrically identical per declared by manufacturer.
2. Above the accessories list are used to exercise the EUT during test, and the serial number of each type of accessories is listed in each section of this report. .
3. For other wireless features of this EUT, test report will be issued separately.

## 1.2 Modification of EUT

No modifications are made to the EUT during all test items.



### 1.3 Testing Location

<b>Test Site</b>	Sporton International Inc. EMC & Wireless Communications Laboratory
<b>Test Site Location</b>	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
<b>Test Site No.</b>	<b>Sporton Site No.</b> TH02-HY, CO05-HY, DFS02-HY

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

<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> 03CH11-HY (TAF Code: 3786)
<b>Remark</b>	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory

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

FCC designation No.: TW1190 and TW3786

### 1.4 Applicable Standards

According to the specifications of 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 test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



## 2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

### 2.1 Carrier Frequency and Channel

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

**Note:**

1. The above Frequency and Channel in "\*" were 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel in "#n" were 802.11ac VHT80 and 802.11ax HE80.



## 2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

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:** Since the verify power, the same operating range bandwidth and smaller power can be covered by the higher power.

Test Cases	
AC Conducted Emission	Mode 1 : GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + MPEG4 + Earphone + USB Cable (Charging from AC Adapter) + Battery

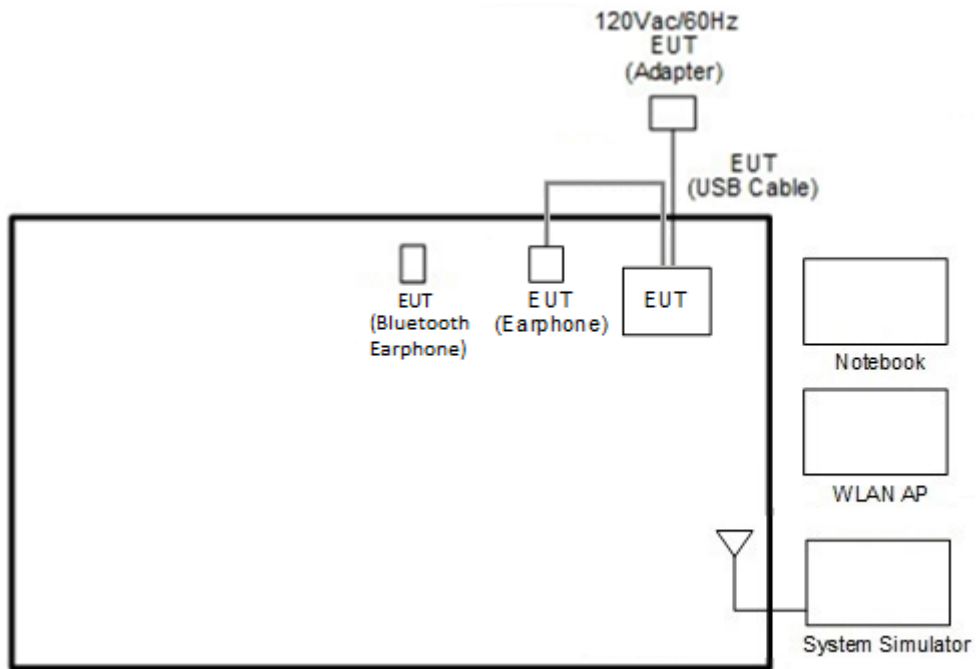
Ch. #	Band IV : 5725-5850 MHz			
	802.11a	802.11ax HE20	802.11ax HE40	802.11ax HE80
L Low	149	149	151	-
M Middle	157	157	-	155
H High	165	165	159	-

**Remark:** For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

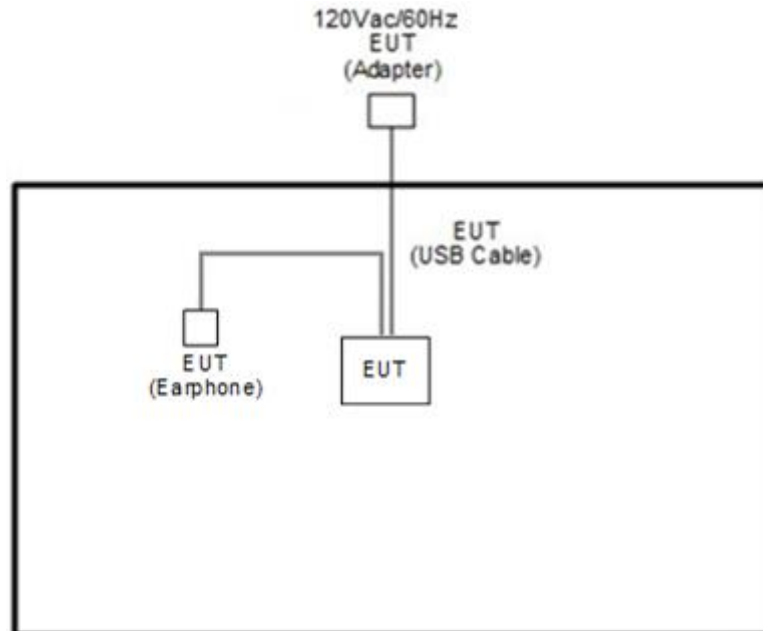


## 2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>





## 2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	Dell	Latitude 3400	FCC DOC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
4.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

## 2.5 EUT Operation Test Setup

The RF test items, utility “FTMC\_bridge\_v0.39” 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.

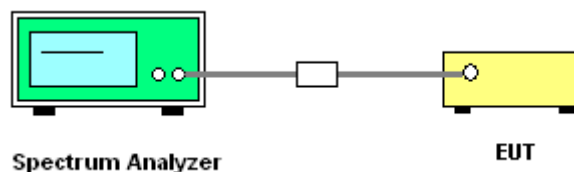
##### 3.1.2 Measuring Instruments

See list of measuring equipment of 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

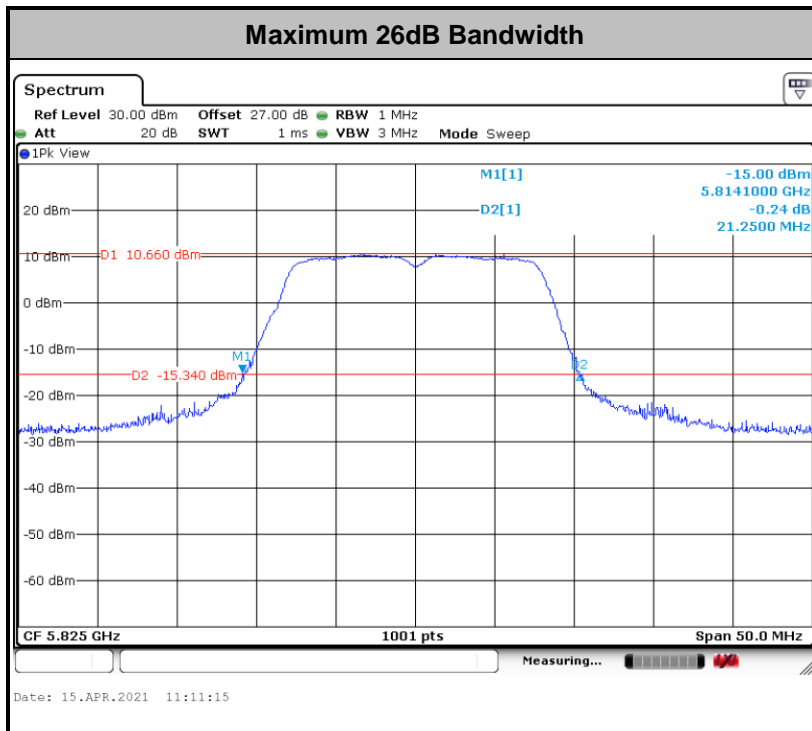
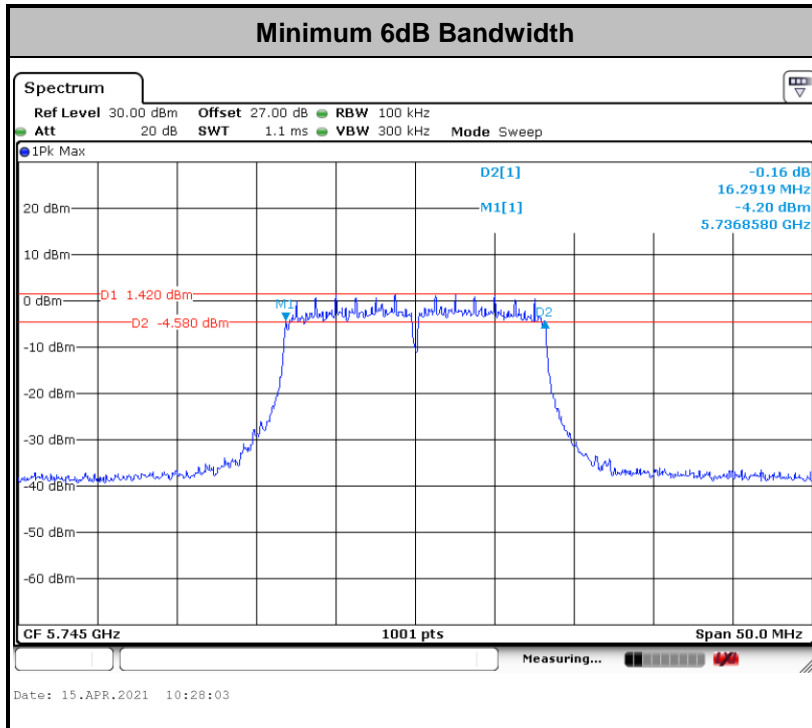


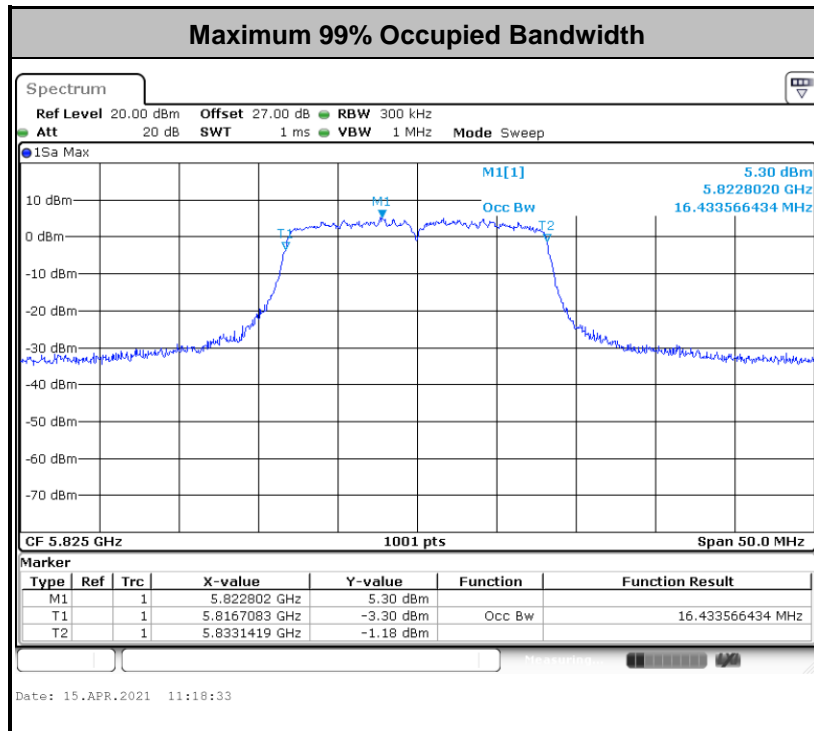
##### 3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.



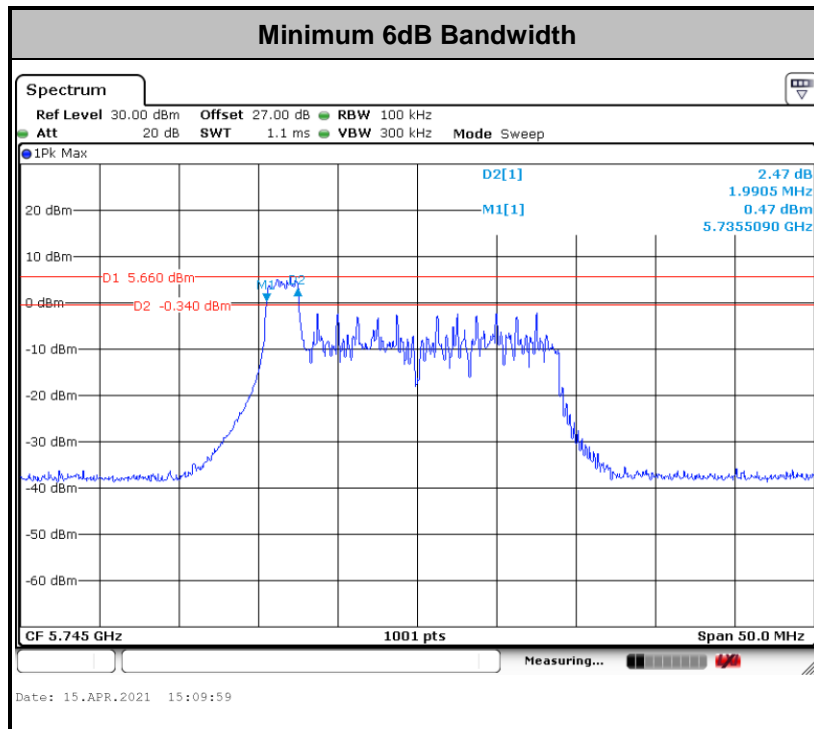
<For 802.11a Mode>

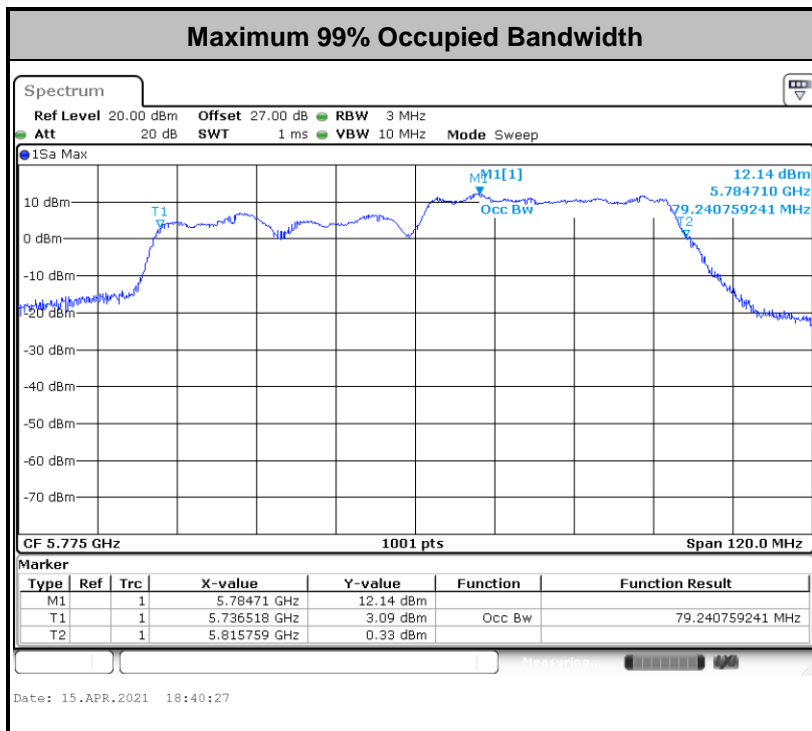
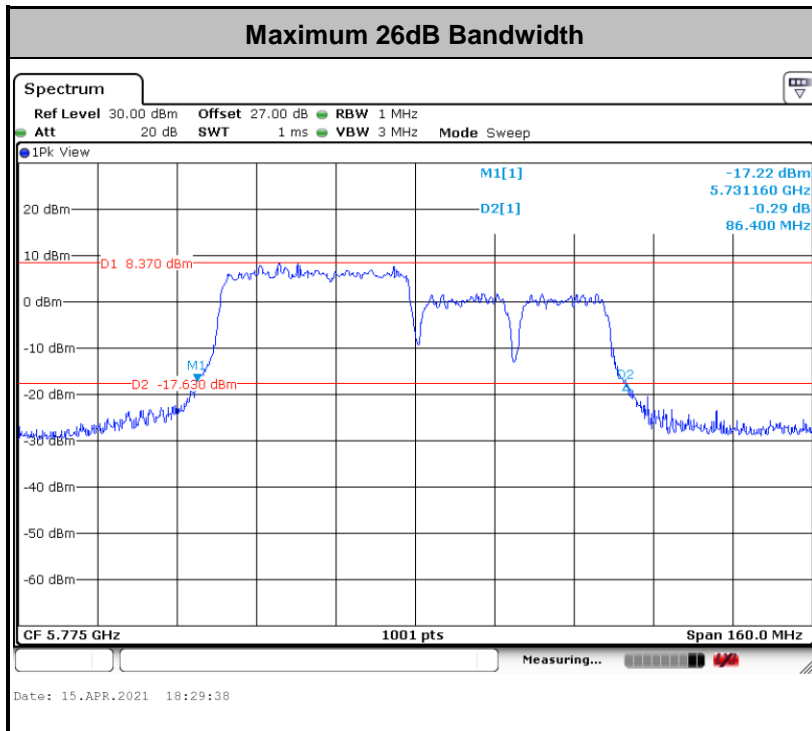




**Note:** The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<For 802.11ax Mode>





**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

See list of measuring equipment of this test report.

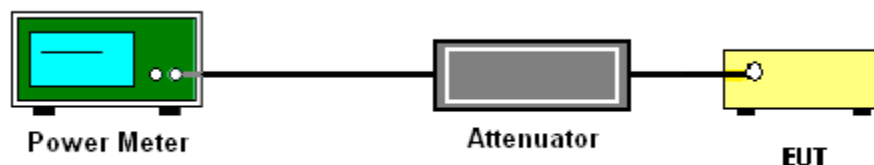
### 3.2.3 Test Procedures

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.

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

1. Please refer to Appendix A.
2. We test only "Maximum Conducted Output Power" in the normal power. We measured other testing items by higher power table.



### 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

See list of measuring equipment of 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-3 #

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

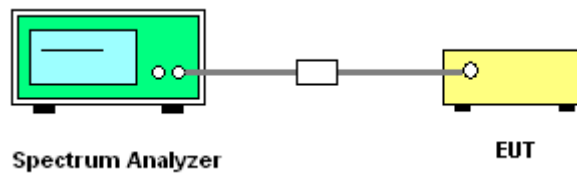
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
  - Set RBW = 1 MHz.
  - Set VBW  $\geq$  3 MHz.
  - Number of points in sweep  $\geq$  2 Span / RBW.
  - Sweep time  $\leq$  (number of points in sweep)  $\times$  T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.  
Detector = power averaging (rms).
  - Trace mode = max hold.
  - Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.
1. The RF output of EUT was 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  $1/N_{ANT}^{th}$  of the PSD limit.



### 3.3.4 Test Setup

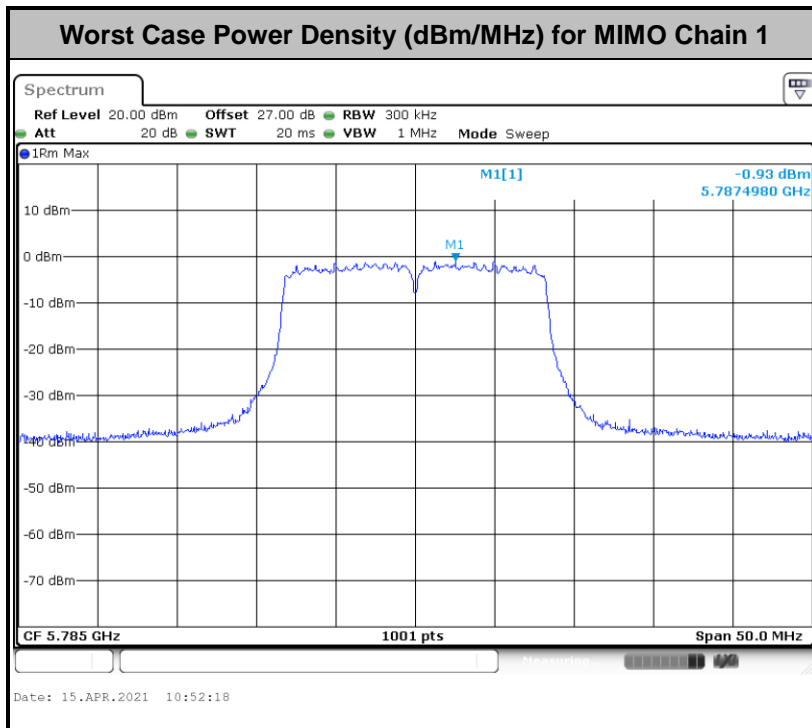
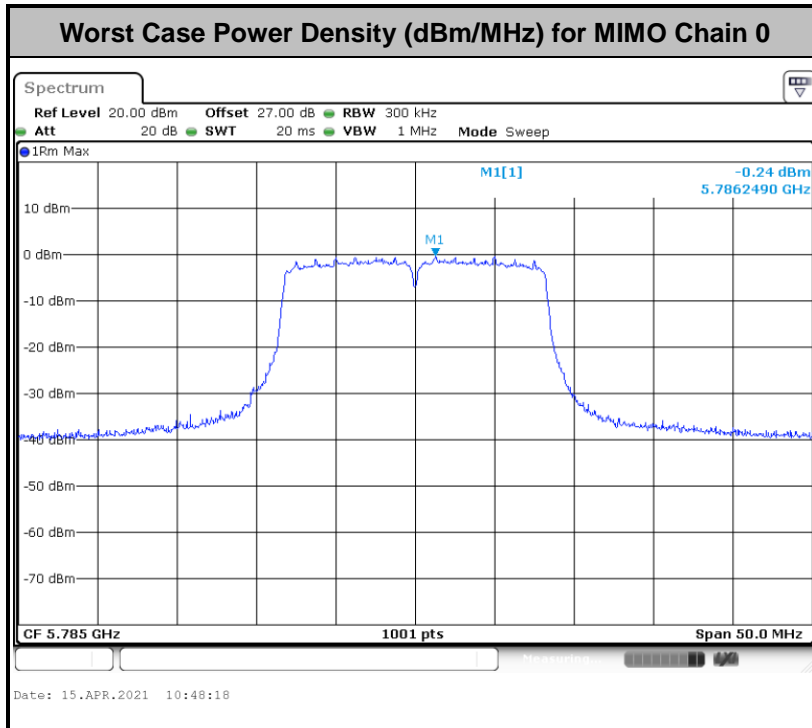


### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

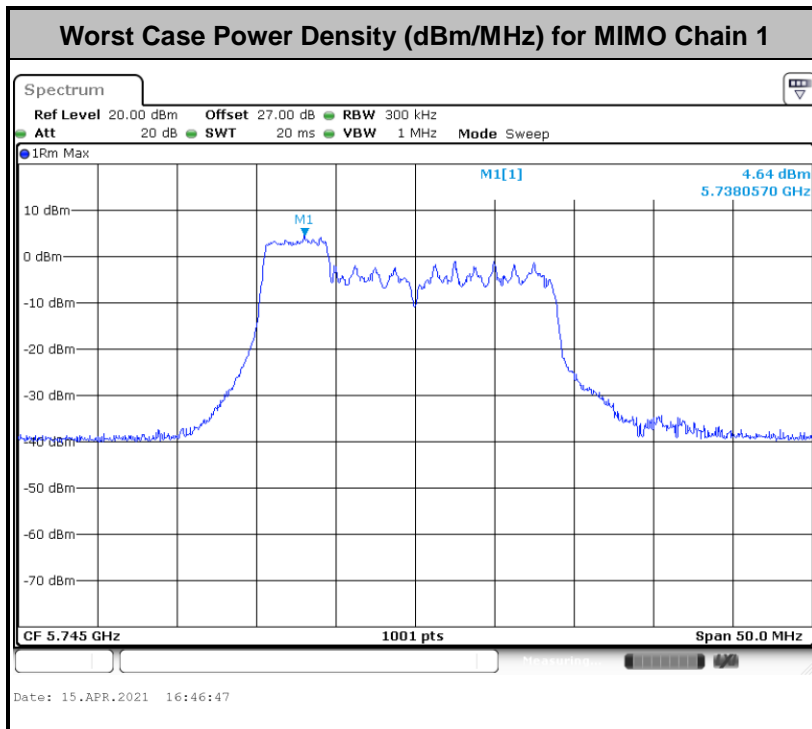
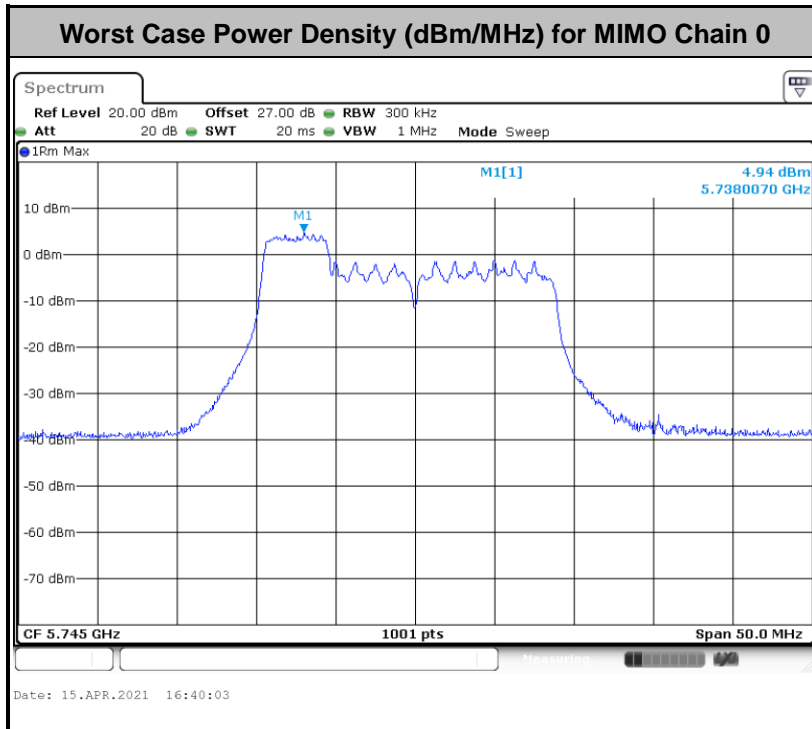


<For 802.11a Mode>





<For 802.11ax Mode>





### 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 fallen 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

See list of measuring equipment of this test report.

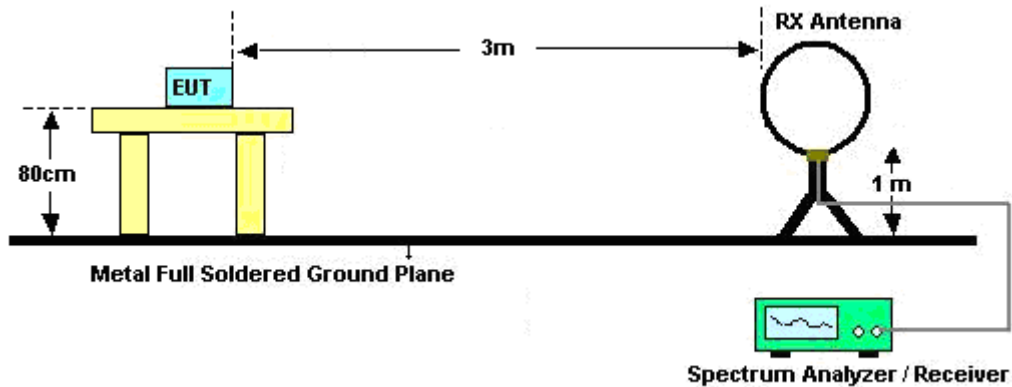
### 3.4.3 Test Procedures

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

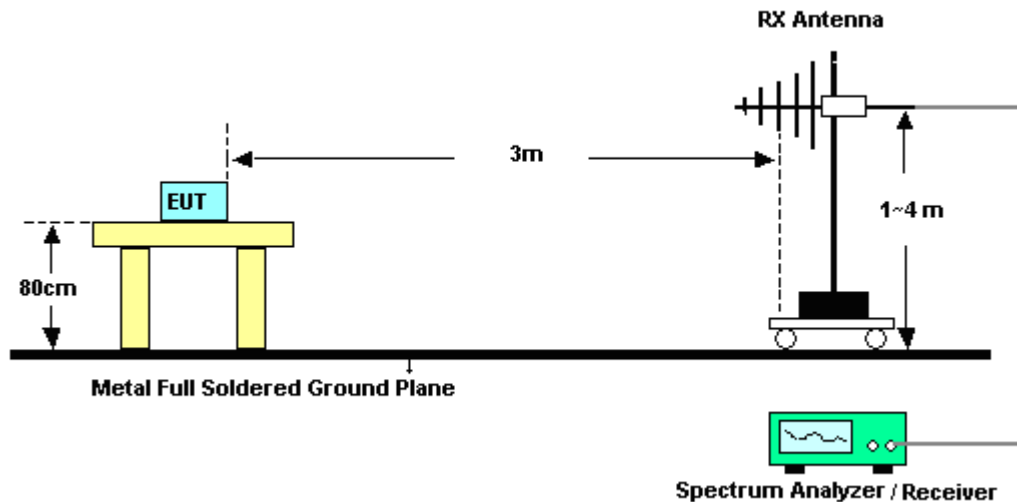
7. For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

### 3.4.4 Test Setup

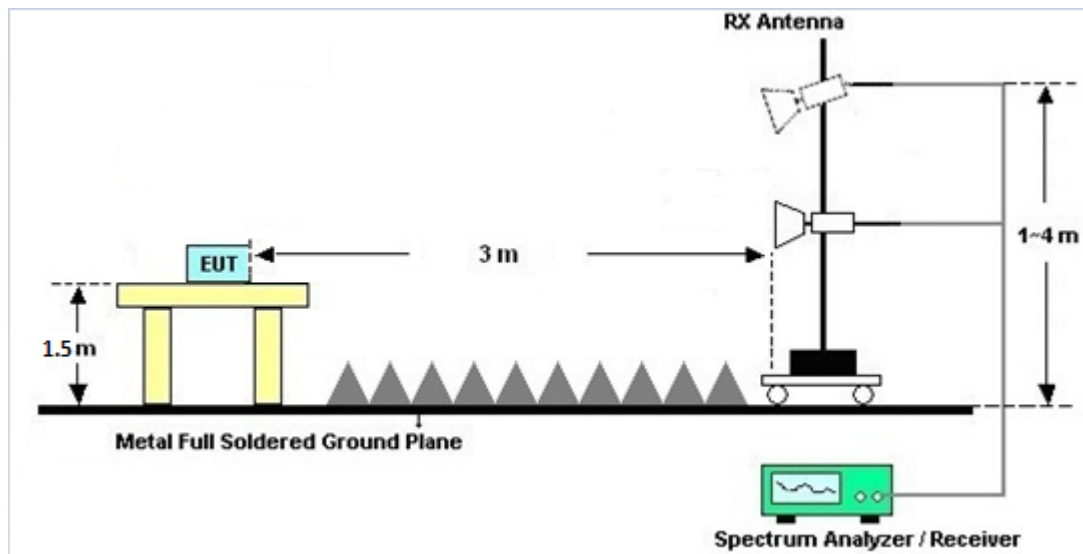
For radiated emissions below 30MHz



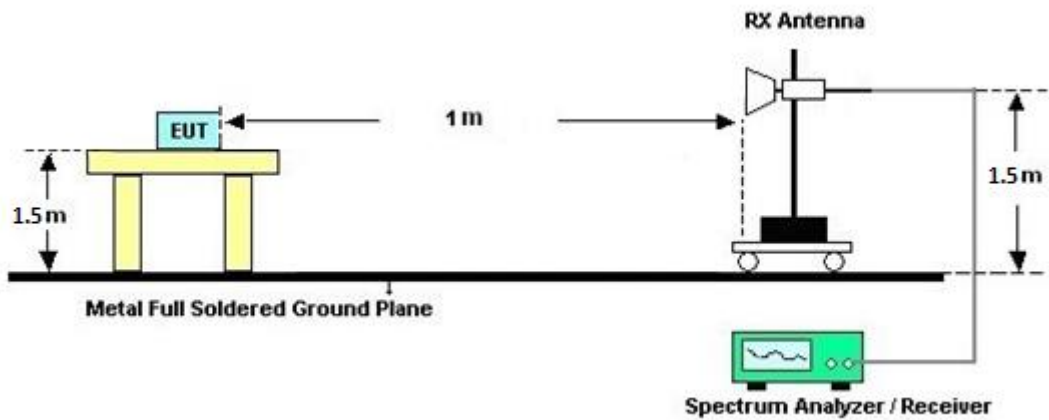
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz





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

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

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

### **3.4.6 Test Result of Radiated Band Edges**

Please refer to Appendix C and D.

### **3.4.7 Duty Cycle**

Please refer to Appendix E.

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

Please refer to Appendix C and D.





### 3.5 AC Conducted Emission Measurement

#### 3.5.1 Limit of AC Conducted Emission

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

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

\*Decreases with the logarithm of the frequency.

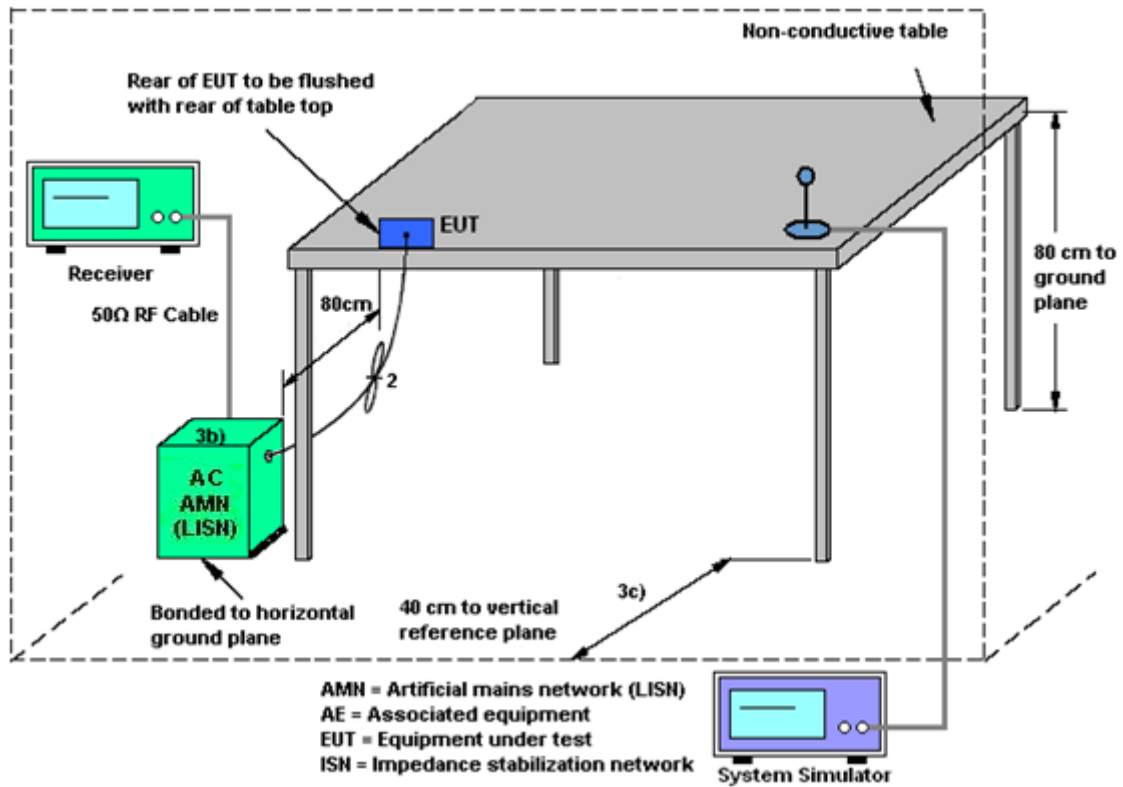
#### 3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.5.3 Test Procedures

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

### 3.5.4 Test Setup



### 3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



## **3.6 Automatically Discontinue Transmission**

### **3.6.1 Limit of Automatically Discontinue Transmission**

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

### **3.6.2 Measuring Instruments**

See list of measuring equipment of this test report.

### **3.6.3 Test Result of Automatically Discontinue Transmission**

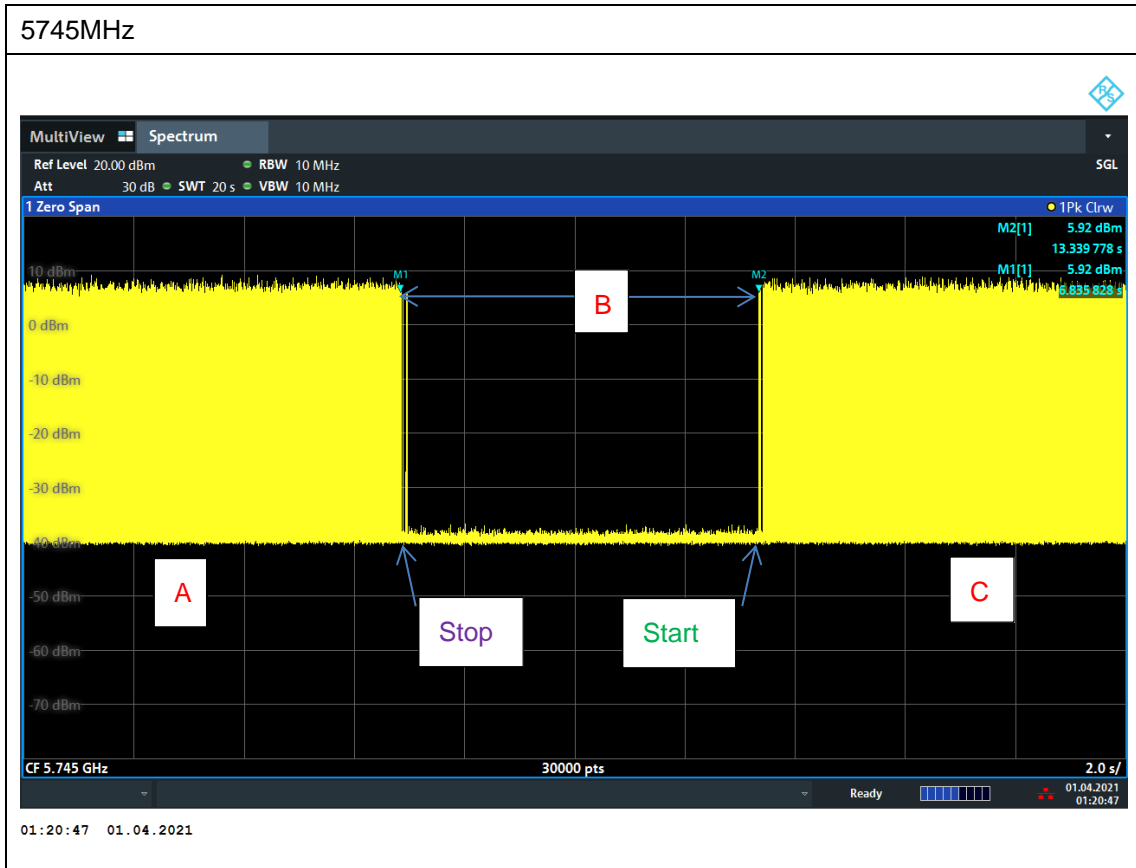
EUT is verified this characteristic during the function check of normal sample associated with an access point:

- A. Information start: make EUT supply information to the access point.
- B. Information stop: stop supplying information to the access point.

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

- C. Information start: make EUT supply information to the access point again.

The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.



**Note:** The control / signalling information during the period B is precluded.



### 3.7 Antenna Requirements

#### 3.7.1 Standard Applicable

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### 3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

#### 3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain = 10 log(NANT/NSS=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain GANT is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)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.

<CDD Modes>						
	Chain 0	Chain 1	DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	-1.90	-6.30	-1.90	-0.81	0.00	0.00

Power Limit Reduction = DG(Power) – 6dBi, ( min = 0 )

PSD Limit Reduction = DG(PSD) – 6dBi, ( min = 0 )



## 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	Jul. 14, 2020	Apr. 11, 2021~ Apr. 17, 2021	Jul. 13, 2021	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 11, 2020	Apr. 11, 2021~ Apr. 17, 2021	Oct. 10, 2021	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-132 6	1GHz ~ 18GHz	Nov. 03, 2020	Apr. 11, 2021~ Apr. 17, 2021	Nov. 02, 2021	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA9170	00994	18GHz~40GHz	Nov. 19, 2020	Apr. 11, 2021~ Apr. 17, 2021	Nov. 18, 2021	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 02, 2020	Apr. 11, 2021~ Apr. 17, 2021	Dec. 01, 2021	Radiation (03CH11-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Oct. 27, 2020	Apr. 11, 2021~ Apr. 17, 2021	Oct. 26, 2021	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY532700 80	1GHz~26.5GHz	Nov. 12, 2020	Apr. 11, 2021~ Apr. 17, 2021	Nov. 11, 2021	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 15, 2020	Apr. 11, 2021~ Apr. 17, 2021	Jun. 14, 2021	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY542004 86	10Hz~44GHz	Oct. 23, 2020	Apr. 11, 2021~ Apr. 17, 2021	Oct. 22, 2021	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1~4m	N/A	Apr. 11, 2021~ Apr. 17, 2021	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Apr. 11, 2021~ Apr. 17, 2021	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-00105 3	N/A	N/A	Apr. 11, 2021~ Apr. 17, 2021	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4 PE	9kHz-30MHz	Mar. 11, 2021	Apr. 11, 2021~ Apr. 17, 2021	Mar. 10, 2022	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 11, 2021	Apr. 11, 2021~ Apr. 17, 2021	Mar. 10, 2022	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4 PE	30M-18G	Mar. 11, 2021	Apr. 11, 2021~ Apr. 17, 2021	Mar. 10, 2022	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 11, 2021	Apr. 11, 2021~ Apr. 17, 2021	Mar. 10, 2022	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1 530-8000-40S S	SN11	1.53G Low Pass	Sep. 14, 2020	Apr. 11, 2021~ Apr. 17, 2021	Sep. 13, 2021	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000 -40SS	SN3	6.75GHz High Pass Filter	Sep. 15, 2020	Apr. 11, 2021~ Apr. 17, 2021	Sep. 14, 2021	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP140325	N/A	Nov. 18, 2020	Apr. 11, 2021~ Apr. 17, 2021	Nov. 17, 2021	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP200880	QA-3-031	Oct. 22, 2020	Apr. 11, 2021~ Apr. 17, 2021	Oct. 21, 2021	Radiation (03CH11-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Apr. 09, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	Apr. 09, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Apr. 09, 2021	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 01, 2020	Apr. 09, 2021	Nov. 30, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Apr. 09, 2021	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Apr. 09, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Feb. 25, 2021	Apr. 09, 2021	Feb. 24, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Apr. 09, 2021	Dec. 30, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 03, 2021	Mar. 30, 2021~ Apr. 28, 2021	Mar. 02, 2022	Conducted (TH02-HY)
Power Sensor	DARE	RPR3006W	16I00054S NO10	10MHz~6GHz	Dec. 16, 2020	Mar. 30, 2021~ Apr. 28, 2021	Dec. 15, 2021	Conducted (TH02-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Jul. 22, 2020	Mar. 30, 2021~ Apr. 28, 2021	Jul. 21, 2021	Conducted (TH02-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2021	Mar. 30, 2021~ Apr. 28, 2021	Mar. 16, 2022	Conducted (TH02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3044	101048	10Hz~44GHz	Apr. 29, 2020	Apr. 01, 2021	Apr. 28, 2021	DFS (DFS02-HY)



## 5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	2.3
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.4
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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
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.1
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**Appendix A. Test Result of Conducted Test Items**

Test Engineer:	Eason huang/Shiming Liu	Temperature:	21~25	°C
Test Date:	2021/3/30~04/28	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
					Chain 0	Chain 1	Chain 0	Chain 1	Chain 0	Chain 1		
11a	6Mbps	2	149	5745	16.38	16.29	20.95	20.40	16.29	16.29	0.5	Pass
11a	6Mbps	2	157	5785	16.38	16.29	21.15	20.15	16.29	16.29	0.5	Pass
11a	6Mbps	2	165	5825	16.43	16.29	21.25	20.30	16.29	16.29	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
					Chain 0	Chain 1	SUM	Chain 0	Chain 1	Chain 0	Chain 1	
11a	6Mbps	2	149	5745	10.30	10.30	13.31	30.00		-1.90		Pass
11a	6Mbps	2	157	5785	10.40	10.40	13.41	30.00		-1.90		Pass
11a	6Mbps	2	165	5825	10.50	10.40	13.46	30.00		-1.90		Pass
HT20	MCS0	2	149	5745	10.40	10.40	13.41	30.00		-1.90		Pass
HT20	MCS0	2	157	5785	10.20	10.40	13.31	30.00		-1.90		Pass
HT20	MCS0	2	165	5825	10.40	10.40	13.41	30.00		-1.90		Pass
HT40	MCS0	2	151	5755	10.30	10.40	13.36	30.00		-1.90		Pass
HT40	MCS0	2	159	5795	10.40	10.40	13.41	30.00		-1.90		Pass
VHT20	MCS0	2	149	5745	10.40	10.40	13.41	30.00		-1.90		Pass
VHT20	MCS0	2	157	5785	10.20	10.40	13.31	30.00		-1.90		Pass
VHT20	MCS0	2	165	5825	10.40	10.40	13.41	30.00		-1.90		Pass
VHT40	MCS0	2	151	5755	10.30	10.40	13.36	30.00		-1.90		Pass
VHT40	MCS0	2	159	5795	10.40	10.40	13.41	30.00		-1.90		Pass
VHT80	MCS0	2	155	5775	10.40	10.40	13.41	30.00		-1.90		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
					Chain 0	Chain 1	Chain 0	Chain 1	SUM	Chain 0	Chain 1	Chain 0	Chain 1	
11a	6Mbps	2	149	5745	2.22	1.39	1.27	4.40	30.00	30.00	-0.81	-0.81	Pass	
11a	6Mbps	2	157	5785	2.22	1.98	1.29	4.99	30.00	30.00	-0.81	-0.81	Pass	
11a	6Mbps	2	165	5825	2.22	1.98	1.56	4.99	30.00	30.00	-0.81	-0.81	Pass	

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

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

Band IV MIMO													
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Chain 0	Chain 1	Chain 0	Chain 1	Chain 0	Chain 1		
HE20	MCS0	2	149	5745	Full	18.93	18.83	22.35	22.60	18.84	18.54	0.5	Pass
HE20	MCS0	2	149	5745	26/0	18.58	18.53	22.30	21.95	1.99	2.04	0.5	Pass
HE20	MCS0	2	149	5745	52/37	18.43	18.33	22.85	22.25	16.99	16.99	0.5	Pass
HE20	MCS0	2	149	5745	106/53	18.33	18.23	22.50	23.20	17.14	17.29	0.5	Pass
HE20	MCS0	2	157	5785	Full	18.93	18.88	22.25	22.60	18.64	18.69	0.5	Pass
HE20	MCS0	2	157	5785	26/4	17.23	17.08	20.30	19.45	2.65	2.65	0.5	Pass
HE20	MCS0	2	157	5785	52/38	17.23	17.08	20.75	19.95	15.03	15.04	0.5	Pass
HE20	MCS0	2	157	5785	106/53	18.33	18.28	22.20	22.95	17.14	17.69	0.5	Pass
HE20	MCS0	2	165	5825	Full	18.88	18.88	22.55	22.55	18.79	18.79	0.5	Pass
HE20	MCS0	2	165	5825	26/8	18.58	18.43	21.75	21.55	2.11	2.06	0.5	Pass
HE20	MCS0	2	165	5825	52/40	18.43	18.23	22.60	21.75	15.74	16.99	0.5	Pass
HE20	MCS0	2	165	5825	106/54	18.28	18.33	22.75	22.55	17.14	17.34	0.5	Pass
HE40	MCS0	2	151	5755	Full	37.96	37.96	41.49	41.31	37.78	37.78	0.5	Pass
HE40	MCS0	2	151	5755	242/61	37.76	37.66	43.56	42.66	36.61	36.88	0.5	Pass
HE40	MCS0	2	159	5795	Full	37.96	37.96	41.31	41.58	37.60	37.42	0.5	Pass
HE40	MCS0	2	159	5795	242/62	37.86	37.76	43.56	42.21	36.61	36.61	0.5	Pass
HE80	MCS0	2	155	5775	Full	78.16	77.92	82.56	82.40	77.56	77.24	0.5	Pass
HE80	MCS0	2	155	5775	484/65	78.40	78.16	86.40	83.84	76.60	76.60	0.5	Pass
HE80	MCS0	2	155	5775	484/66	78.76	79.24	85.28	85.12	76.60	76.60	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
						Chain 0	Chain 1	SUM	Chain 0	Chain 1	Chain 0	Chain 1	
HE20	MCS0	2	149	5745	Full	10.50	10.40	13.46	30.00	30.00	-1.90	-1.90	Pass
HE20	MCS0	2	149	5745	26/0	9.00	8.90	11.96	30.00	30.00	-1.90	-1.90	Pass
HE20	MCS0	2	149	5745	52/37	10.40	10.40	13.41	30.00	30.00	-1.90	-1.90	Pass
HE20	MCS0	2	149	5745	106/53	10.40	10.50	13.46	30.00	30.00	-1.90	-1.90	Pass
HE20	MCS0	2	157	5785	Full	10.30	10.50	13.41	30.00	30.00	-1.90	-1.90	Pass
HE20	MCS0	2	165	5825	Full	10.50	10.40	13.46	30.00	30.00	-1.90	-1.90	Pass
HE20	MCS0	2	165	5825	26/8	9.00	8.90	11.96	30.00	30.00	-1.90	-1.90	Pass
HE20	MCS0	2	165	5825	52/40	10.40	10.50	13.46	30.00	30.00	-1.90	-1.90	Pass
HE20	MCS0	2	165	5825	106/54	10.50	10.40	13.46	30.00	30.00	-1.90	-1.90	Pass
HE40	MCS0	2	151	5755	Full	10.40	10.50	13.46	30.00	30.00	-1.90	-1.90	Pass
HE40	MCS0	2	151	5755	242/61	10.50	10.40	13.46	30.00	30.00	-1.90	-1.90	Pass
HE40	MCS0	2	159	5795	Full	10.50	10.40	13.46	30.00	30.00	-1.90	-1.90	Pass
HE40	MCS0	2	159	5795	242/62	10.50	10.40	13.46	30.00	30.00	-1.90	-1.90	Pass
HE80	MCS0	2	155	5775	Full	10.50	10.40	13.46	30.00	30.00	-1.90	-1.90	Pass
HE80	MCS0	2	155	5775	484/65	10.40	10.40	13.41	30.00	30.00	-1.90	-1.90	Pass
HE80	MCS0	2	155	5775	484/66	10.40	10.40	13.41	30.00	30.00	-1.90	-1.90	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
						Chain 0	Chain 1	Chain 0	Chain 1	SUM	Chain 0	Chain 1	Chain 0	Chain 1	
HE20	MCS0	2	149	5745	Full	2.22	0.68	0.93	3.94	30.00	-0.81	Pass			
HE20	MCS0	2	149	5745	26/0	2.22	6.26	5.87	9.27	30.00	-0.81	Pass			
HE20	MCS0	2	149	5745	52/37	2.22	7.16	6.86	10.17	30.00	-0.81	Pass			
HE20	MCS0	2	149	5745	106/53	2.22	3.80	3.45	6.81	30.00	-0.81	Pass			
HE20	MCS0	2	157	5785	Full	2.22	2.55	1.92	5.56	30.00	-0.81	Pass			
HE20	MCS0	2	157	5785	26/4	2.22	6.16	5.86	9.17	30.00	-0.81	Pass			
HE20	MCS0	2	157	5785	52/38	2.22	6.72	5.94	9.73	30.00	-0.81	Pass			
HE20	MCS0	2	157	5785	106/53	2.22	4.48	3.50	7.49	30.00	-0.81	Pass			
HE20	MCS0	2	165	5825	Full	2.22	2.49	1.33	5.50	30.00	-0.81	Pass			
HE20	MCS0	2	165	5825	26/8	2.22	6.75	5.91	9.76	30.00	-0.81	Pass			
HE20	MCS0	2	165	5825	52/40	2.22	6.83	5.91	9.84	30.00	-0.81	Pass			
HE20	MCS0	2	165	5825	106/54	2.22	4.96	3.65	7.97	30.00	-0.81	Pass			
HE40	MCS0	2	151	5755	Full	2.22	-1.86	-1.85	1.16	30.00	-0.81	Pass			
HE40	MCS0	2	151	5755	242/61	2.22	-1.06	-1.44	1.95	30.00	-0.81	Pass			
HE40	MCS0	2	159	5795	Full	2.22	-0.39	-1.21	2.62	30.00	-0.81	Pass			
HE40	MCS0	2	159	5795	242/62	2.22	1.58	0.74	4.59	30.00	-0.81	Pass			
HE80	MCS0	2	155	5775	Full	2.22	-2.96	-3.31	0.05	30.00	-0.81	Pass			
HE80	MCS0	2	155	5775	484/65	2.22	-2.77	-3.35	0.24	30.00	-0.81	Pass			
HE80	MCS0	2	155	5775	484/66	2.22	-2.27	-3.26	0.74	30.00	-0.81	Pass			

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



## Appendix B. AC Conducted Emission Test Results

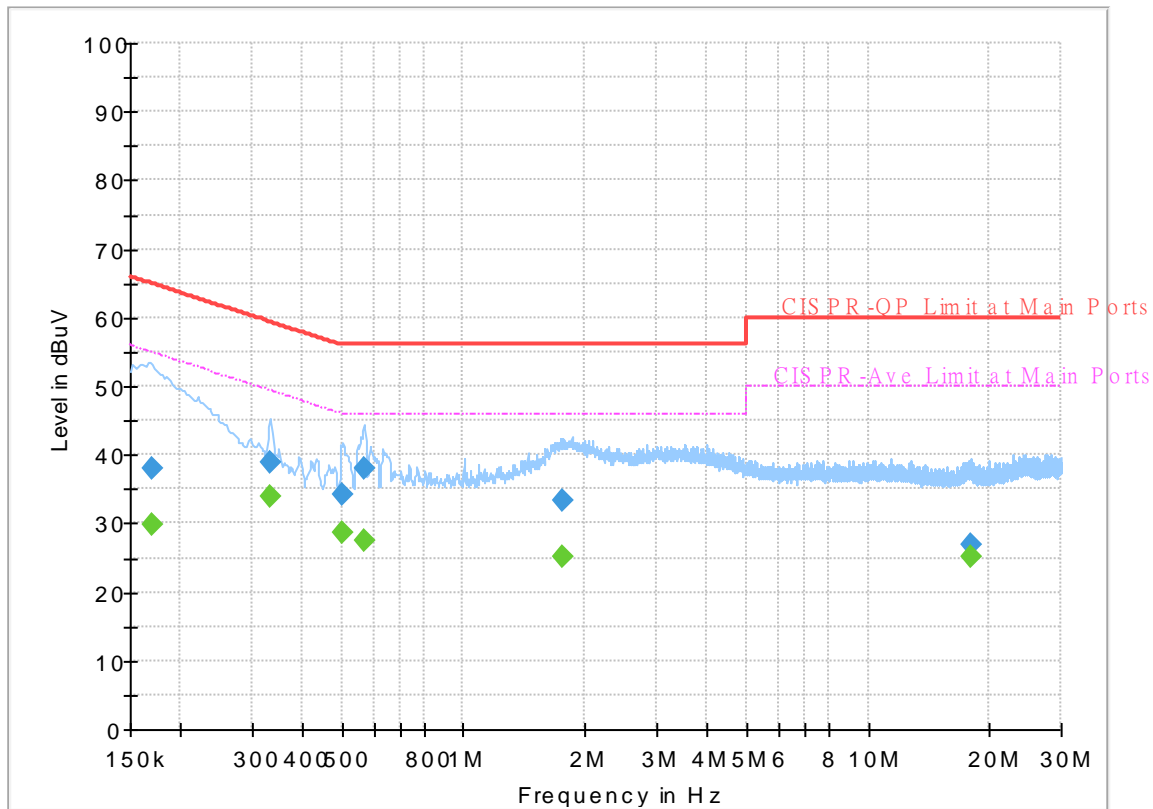
Test Engineer :	Howard Huang	Temperature :	23~26°C
		Relative Humidity :	40~50%



# EUT Information

Report NO : 132425  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



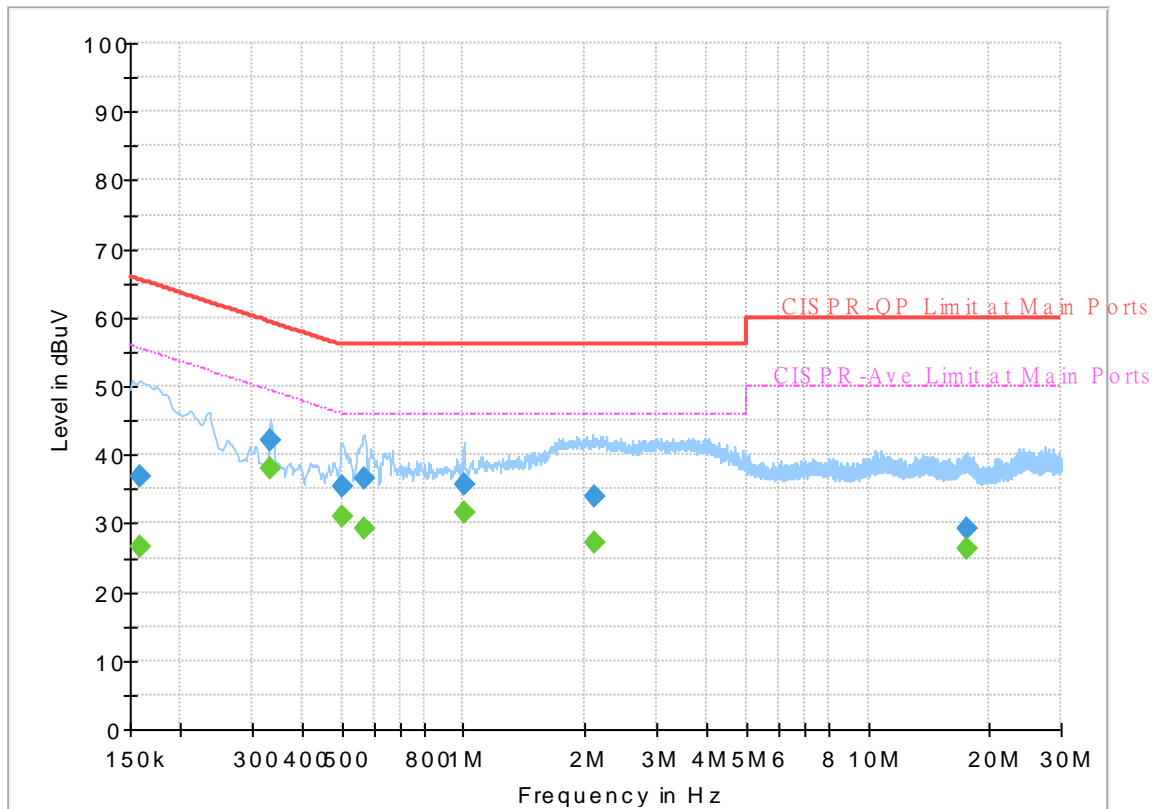
## Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.170250	---	29.85	54.95	25.10	L1	OFF	19.7
0.170250	38.05	---	64.95	26.90	L1	OFF	19.7
0.332250	---	33.79	49.40	15.61	L1	OFF	19.7
0.332250	38.79	---	59.40	20.61	L1	OFF	19.7
0.503250	---	28.52	46.00	17.48	L1	OFF	19.9
0.503250	34.13	---	56.00	21.87	L1	OFF	19.9
0.566250	---	27.58	46.00	18.42	L1	OFF	19.9
0.566250	38.12	---	56.00	17.88	L1	OFF	19.9
1.758750	---	25.17	46.00	20.83	L1	OFF	20.2
1.758750	33.27	---	56.00	22.73	L1	OFF	20.2
17.954250	---	25.08	50.00	24.92	L1	OFF	20.5
17.954250	27.00	---	60.00	33.00	L1	OFF	20.5

# EUT Information

Report NO : 132425  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Neutral

Full Spectrum



## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	26.74	55.52	28.78	N	OFF	19.7
0.159000	36.78	---	65.52	28.74	N	OFF	19.7
0.334500	---	37.94	49.34	11.40	N	OFF	19.8
0.334500	42.17	---	59.34	17.17	N	OFF	19.8
0.501000	---	31.06	46.00	14.94	N	OFF	19.9
0.501000	35.44	---	56.00	20.56	N	OFF	19.9
0.566250	---	29.31	46.00	16.69	N	OFF	20.0
0.566250	36.70	---	56.00	19.30	N	OFF	20.0
1.002750	---	31.57	46.00	14.43	N	OFF	20.3
1.002750	35.64	---	56.00	20.36	N	OFF	20.3
2.103000	---	27.29	46.00	18.71	N	OFF	20.2
2.103000	33.92	---	56.00	22.08	N	OFF	20.2
17.490750	---	26.18	50.00	23.82	N	OFF	20.6
17.490750	29.16	---	60.00	30.84	N	OFF	20.6



### Appendix C. Radiated Spurious Emission

Test Engineer :	Bill Cheng, Fu Chen and Troye Hsieh	Temperature :	19.1~24°C
		Relative Humidity :	33.2~68.9%

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

WIFI Chain 0+1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( 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		5612.2	51.19	-17.01	68.2	41.74	31.72	10.69	32.96	166	305	P	H	
		5655.6	50.97	-21.39	72.36	41.38	31.8	10.74	32.95	166	305	P	H	
		5716.8	53.76	-56.15	109.91	44.02	31.87	10.81	32.94	166	305	P	H	
		5725	57.06	-65.14	122.2	47.28	31.9	10.82	32.94	166	305	P	H	
	*	5745	107.05	-	-	97.16	31.98	10.85	32.94	166	305	P	H	
	*	5745	98.28	-	-	88.39	31.98	10.85	32.94	166	305	A	H	
														H
														H
			5607.6	51.38	-16.82	68.2	41.93	31.72	10.69	32.96	302	4	P	V
			5677.2	51.14	-37.23	88.37	41.52	31.8	10.77	32.95	302	4	P	V
			5701.8	50.64	-55.06	105.7	40.97	31.81	10.8	32.94	302	4	P	V
			5723	52.43	-65.21	117.64	42.66	31.89	10.82	32.94	302	4	P	V
	*	5745	102.92	-	-	93.03	31.98	10.85	32.94	302	4	P	V	
	*	5745	95.07	-	-	85.18	31.98	10.85	32.94	302	4	A	V	
													V	
													V	



WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
		5633.5	51.24	-16.96	68.2	41.71	31.77	10.72	32.96	141	311	P	H
		5663.75	51.58	-26.83	78.41	41.98	31.8	10.75	32.95	141	311	P	H
		5708.75	50.63	-57.02	107.65	40.93	31.83	10.81	32.94	141	311	P	H
		5723	49.53	-68.11	117.64	39.76	31.89	10.82	32.94	141	311	P	H
	*	5785	107.02	-	-	96.99	32.07	10.89	32.93	141	311	P	H
	*	5785	99.19	-	-	89.16	32.07	10.89	32.93	141	311	A	H
		5852	50.2	-67.44	117.64	39.86	32.3	10.96	32.92	141	311	P	H
		5859.75	51.41	-58.06	109.47	41.05	32.32	10.96	32.92	141	311	P	H
		5924	51.69	-17.25	68.94	41.17	32.4	11.02	32.9	141	311	P	H
		5940	51.63	-16.57	68.2	41.09	32.4	11.04	32.9	141	311	P	H
													H
													H
<b>802.11a</b>													
<b>CH 157</b>													
<b>5785MHz</b>		5649	51.07	-17.13	68.2	41.48	31.8	10.74	32.95	128	4	P	V
		5657.25	51.44	-22.15	73.59	41.84	31.8	10.75	32.95	128	4	P	V
		5715.25	51.53	-57.94	109.47	41.8	31.86	10.81	32.94	128	4	P	V
		5722.75	49.59	-67.48	117.07	39.82	31.89	10.82	32.94	128	4	P	V
	*	5785	104.14	-	-	94.11	32.07	10.89	32.93	128	4	P	V
	*	5785	97.01	-	-	86.98	32.07	10.89	32.93	128	4	A	V
		5852	50.64	-67	117.64	40.3	32.3	10.96	32.92	128	4	P	V
		5860.75	51.84	-57.35	109.19	41.48	32.32	10.96	32.92	128	4	P	V
		5884.5	51.69	-46.46	98.15	41.24	32.37	10.99	32.91	128	4	P	V
		5948	51.75	-16.45	68.2	41.21	32.4	11.04	32.9	128	4	P	V
													V
													V



WiFi Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11a CH 165 5825MHz	*	5825	105.92	-	-	95.71	32.2	10.93	32.92	165	310	P	H	
	*	5825	98.5	-	-	88.29	32.2	10.93	32.92	165	310	A	H	
		5852	53.18	-64.46	117.64	42.84	32.3	10.96	32.92	165	310	P	H	
		5870.4	51.76	-54.73	106.49	41.36	32.34	10.97	32.91	165	310	P	H	
		5906.2	50.95	-31.13	82.08	40.45	32.4	11.01	32.91	165	310	P	H	
		5946.6	52.14	-16.06	68.2	41.6	32.4	11.04	32.9	165	310	P	H	
														H
														H
	*	5825	104.81	-	-	94.6	32.2	10.93	32.92	126	4	P	V	
	*	5825	97.92	-	-	87.71	32.2	10.93	32.92	126	4	A	V	
		5850.8	51.37	-69.01	120.38	41.03	32.3	10.96	32.92	126	4	P	V	
		5870.6	50.83	-55.6	106.43	40.43	32.34	10.97	32.91	126	4	P	V	
		5899.8	52.29	-34.52	86.81	41.8	32.4	11	32.91	126	4	P	V	
		5937.6	51.67	-16.53	68.2	41.14	32.4	11.03	32.9	126	4	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 Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11a CH 149 5745MHz		11490	47.75	-26.25	74	56.43	39.79	17.75	66.22	100	0	P	H
		17235	48.04	-20.16	68.2	51.38	40.07	22.75	66.16	100	0	P	H
		17945	58.29	-15.71	74	53.73	46.3	23.44	65.18	100	0	P	H
		17945	47.44	-6.56	54	42.88	46.3	23.44	65.18	100	0	A	H
		11490	46.71	-27.29	74	55.39	39.79	17.75	66.22	100	0	P	V
		17235	47.37	-20.83	68.2	50.71	40.07	22.75	66.16	100	0	P	V
		17923	57.74	-16.26	74	53.68	45.86	23.42	65.22	100	0	P	V
		17923	47.16	-6.84	54	43.1	45.86	23.42	65.22	100	0	A	V
802.11a CH 157 5785MHz		11570	46.84	-27.16	74	55.64	39.59	17.83	66.22	100	0	P	H
		17355	47.6	-20.6	68.2	50.12	40.64	22.87	66.03	100	0	P	H
		17945	58.15	-15.85	74	53.59	46.3	23.44	65.18	100	0	P	H
		17945	47.53	-6.47	54	42.97	46.3	23.44	65.18	100	0	A	H
		11570	47.44	-26.56	74	56.24	39.59	17.83	66.22	100	0	P	V
		17355	48.39	-19.81	68.2	50.91	40.64	22.87	66.03	100	0	P	V
		17934	58.86	-15.14	74	54.55	46.08	23.43	65.2	100	0	P	V
		17934	47.44	-6.56	54	43.13	46.08	23.43	65.2	100	0	A	V
802.11a CH 165 5825MHz		11650	46.66	-27.34	74	55.73	39.25	17.9	66.22	100	0	P	H
		17475	49.94	-18.26	68.2	51.48	41.38	22.98	65.9	100	0	P	H
		17912	56.75	-17.25	74	52.94	45.64	23.41	65.24	100	0	P	H
		17912	46.59	-7.41	54	42.78	45.64	23.41	65.24	100	0	A	H
		11650	46.51	-27.49	74	55.58	39.25	17.9	66.22	100	0	P	V
		17475	49.51	-18.69	68.2	51.05	41.38	22.98	65.9	100	0	P	V
		17912	56.97	-17.03	74	53.16	45.64	23.41	65.24	100	0	P	V
		17912	47.14	-6.86	54	43.33	45.64	23.41	65.24	100	0	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Full CH 149 5745MHz		5634.8	50.51	-17.69	68.2	40.98	31.77	10.72	32.96	147	315	P	H	
		5658.4	51.63	-22.81	74.44	42.03	31.8	10.75	32.95	147	315	P	H	
		5719.4	53.9	-56.73	110.63	44.14	31.88	10.82	32.94	147	315	P	H	
		5724	56.89	-63.03	119.92	47.11	31.9	10.82	32.94	147	315	P	H	
	*	5745	105.5	-	-	95.61	31.98	10.85	32.94	147	315	P	H	
	*	5745	96.42	-	-	86.53	31.98	10.85	32.94	147	315	A	H	
														H
														H
			5639	51.65	-16.55	68.2	42.1	31.78	10.72	32.95	114	16	P	V
			5669.6	51.06	-31.68	82.74	41.45	31.8	10.76	32.95	114	16	P	V
			5701.2	50.67	-54.87	105.54	41.01	31.8	10.8	32.94	114	16	P	V
			5723.2	51.85	-66.25	118.1	42.08	31.89	10.82	32.94	114	16	P	V
	*		5745	103.84	-	-	93.95	31.98	10.85	32.94	114	16	P	V
	*		5745	93.27	-	-	83.38	31.98	10.85	32.94	114	16	A	V
														V
													V	



WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
		5618.5	50.61	-17.59	68.2	41.13	31.74	10.7	32.96	141	317	P	H
		5679.5	50.4	-39.67	90.07	40.78	31.8	10.77	32.95	141	317	P	H
		5718.75	51.1	-59.35	110.45	41.34	31.88	10.82	32.94	141	317	P	H
		5725	49.2	-73	122.2	39.42	31.9	10.82	32.94	141	317	P	H
	*	5785	107.51	-	-	97.48	32.07	10.89	32.93	141	317	P	H
	*	5785	97.81	-	-	87.78	32.07	10.89	32.93	141	317	A	H
		5853	50.22	-65.14	115.36	39.87	32.31	10.96	32.92	141	317	P	H
		5873.25	50.73	-54.96	105.69	40.31	32.35	10.98	32.91	141	317	P	H
		5883.25	51.33	-47.74	99.07	40.89	32.37	10.98	32.91	141	317	P	H
		5932.5	51.16	-17.04	68.2	40.63	32.4	11.03	32.9	141	317	P	H
													H
<b>802.11ax</b>													H
<b>HE20 Full</b>													H
<b>CH 157</b>		5633	50.19	-18.01	68.2	40.66	31.77	10.72	32.96	121	17	P	V
<b>5785MHz</b>		5693.75	50.2	-50.39	100.59	40.56	31.8	10.79	32.95	121	17	P	V
		5702	49.9	-55.86	105.76	40.23	31.81	10.8	32.94	121	17	P	V
		5724.5	49.11	-71.95	121.06	39.33	31.9	10.82	32.94	121	17	P	V
	*	5785	104.21	-	-	94.18	32.07	10.89	32.93	121	17	P	V
	*	5785	94.53	-	-	84.5	32.07	10.89	32.93	121	17	A	V
		5852.75	49.79	-66.14	115.93	39.44	32.31	10.96	32.92	121	17	P	V
		5871	50.73	-55.59	106.32	40.33	32.34	10.97	32.91	121	17	P	V
		5922.25	51.91	-18.32	70.23	41.39	32.4	11.02	32.9	121	17	P	V
		5945	50.66	-17.54	68.2	40.12	32.4	11.04	32.9	121	17	P	V
													V
													V





WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Full CH 165 5825MHz	*	5825	106.2	-	-	95.99	32.2	10.93	32.92	160	319	P	H	
	*	5825	97.11	-	-	86.9	32.2	10.93	32.92	160	319	A	H	
		5850.8	54.46	-65.92	120.38	44.12	32.3	10.96	32.92	160	319	P	H	
		5856	52.23	-58.29	110.52	41.88	32.31	10.96	32.92	160	319	P	H	
		5911	51.33	-27.2	78.53	40.83	32.4	11.01	32.91	160	319	P	H	
		5941.2	50.78	-17.42	68.2	40.24	32.4	11.04	32.9	160	319	P	H	
														H
														H
	*	5825	104.24	-	-	94.03	32.2	10.93	32.92	120	17	P	V	
	*	5825	94.46	-	-	84.25	32.2	10.93	32.92	120	17	A	V	
		5853.6	51.97	-62.02	113.99	41.62	32.31	10.96	32.92	120	17	P	V	
		5870.8	51.32	-55.05	106.37	40.92	32.34	10.97	32.91	120	17	P	V	
		5896	51.37	-38.25	89.62	40.89	32.39	11	32.91	120	17	P	V	
		5949.8	51.61	-16.59	68.2	41.07	32.4	11.04	32.9	120	17	P	V	
														V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ax HE20 Full CH 149 5745MHz		11490	48.38	-25.62	74	57.06	39.79	17.75	66.22	100	0	P	H
		17235	47.93	-20.27	68.2	51.27	40.07	22.75	66.16	100	0	P	H
		17934	58.08	-15.92	74	53.77	46.08	23.43	65.2	100	0	P	H
		17934	47.29	-6.71	54	42.98	46.08	23.43	65.2	100	0	A	H
		11490	47.31	-26.69	74	55.99	39.79	17.75	66.22	100	0	P	V
		17235	48.25	-19.95	68.2	51.59	40.07	22.75	66.16	100	0	P	V
		17956	58.39	-15.61	74	53.59	46.52	23.45	65.17	100	0	P	V
	17956	47.93	-6.07	54	43.13	46.52	23.45	65.17	100	0	A	V	
802.11ax HE20 Full CH 157 5785MHz		11570	46.55	-27.45	74	55.35	39.59	17.83	66.22	100	0	P	H
		17355	49.23	-18.97	68.2	51.75	40.64	22.87	66.03	100	0	P	H
		17956	58.46	-15.54	74	53.66	46.52	23.45	65.17	100	0	P	H
		17956	47.73	-6.27	54	42.93	46.52	23.45	65.17	100	0	A	H
		11570	48.01	-25.99	74	56.81	39.59	17.83	66.22	100	0	P	V
		17355	47.37	-20.83	68.2	49.89	40.64	22.87	66.03	100	0	P	V
		17956	57.82	-16.18	74	53.02	46.52	23.45	65.17	100	0	P	V
	17956	47.81	-6.19	54	43.01	46.52	23.45	65.17	100	0	A	V	
802.11ax HE20 Full CH 165 5825MHz		11650	46.03	-27.97	74	55.1	39.25	17.9	66.22	100	0	P	H
		17475	49.93	-18.27	68.2	51.47	41.38	22.98	65.9	100	0	P	H
		18000	57.37	-16.63	74	51.58	47.4	23.49	65.1	100	0	P	H
		18000	48.7	-5.3	54	42.91	47.4	23.49	65.1	100	0	A	H
		11650	46.51	-27.49	74	55.58	39.25	17.9	66.22	100	0	P	V
		17475	49.53	-18.67	68.2	51.07	41.38	22.98	65.9	100	0	P	V
		17934	57.77	-16.23	74	53.46	46.08	23.43	65.2	100	0	P	V
	17934	48.18	-5.82	54	43.87	46.08	23.43	65.2	100	0	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Partial 26/0 CH 149 5745MHz		5627	50.87	-17.33	68.2	41.37	31.75	10.71	32.96	170	300	P	H	
		5673.2	51.03	-34.38	85.41	41.42	31.8	10.76	32.95	170	300	P	H	
		5705.6	51.07	-55.7	106.77	41.39	31.82	10.8	32.94	170	300	P	H	
		5721	51.68	-61.4	113.08	41.92	31.88	10.82	32.94	170	300	P	H	
	*	5745	110.65	-	-	100.76	31.98	10.85	32.94	170	300	P	H	
	*	5745	102.9	-	-	93.01	31.98	10.85	32.94	170	300	A	H	
													H	
														H
			5609	52.09	-16.11	68.2	42.64	31.72	10.69	32.96	133	17	P	V
			5687	50.36	-45.25	95.61	40.73	31.8	10.78	32.95	133	17	P	V
			5720	50.6	-60.2	110.8	40.84	31.88	10.82	32.94	133	17	P	V
			5722.8	50.74	-66.44	117.18	40.97	31.89	10.82	32.94	133	17	P	V
		*	5745	109.2	-	-	99.31	31.98	10.85	32.94	133	17	P	V
		*	5745	99.79	-	-	89.9	31.98	10.85	32.94	133	17	A	V
													V	
													V	



WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Partial 26/8 CH 165 5825MHz	*	5825	110.84	-	-	100.63	32.2	10.93	32.92	150	317	P	H	
	*	5825	102.46	-	-	92.25	32.2	10.93	32.92	150	317	A	H	
		5850	51.16	-71.04	122.2	40.83	32.3	10.95	32.92	150	317	P	H	
		5866.6	51.49	-56.06	107.55	41.1	32.33	10.97	32.91	150	317	P	H	
		5919.4	51.55	-20.78	72.33	41.03	32.4	11.02	32.9	150	317	P	H	
		5948.2	50.96	-17.24	68.2	40.42	32.4	11.04	32.9	150	317	P	H	
														H
														H
	*	5825	108.47	-	-	98.26	32.2	10.93	32.92	119	17	P	V	
	*	5825	100.04	-	-	89.83	32.2	10.93	32.92	119	17	A	V	
		5850.8	50.79	-69.59	120.38	40.45	32.3	10.96	32.92	119	17	P	V	
		5868	51.12	-56.04	107.16	40.72	32.34	10.97	32.91	119	17	P	V	
		5904	50.94	-32.76	83.7	40.45	32.4	11	32.91	119	17	P	V	
		5928.4	50.68	-17.52	68.2	40.15	32.4	11.03	32.9	119	17	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 Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ax HE20 Partial 26/0 CH 149 5745MHz		11490	46.73	-27.27	74	55.41	39.79	17.75	66.22	100	0	P	H
		17235	47.42	-20.78	68.2	50.76	40.07	22.75	66.16	100	0	P	H
		17934	58.69	-15.31	74	54.38	46.08	23.43	65.2	100	0	P	H
		17934	47.13	-6.87	54	42.82	46.08	23.43	65.2	100	0	A	H
		11490	47.98	-26.02	74	56.66	39.79	17.75	66.22	100	0	P	V
		17235	47.06	-21.14	68.2	50.4	40.07	22.75	66.16	100	0	P	V
		17934	58.39	-15.61	74	54.08	46.08	23.43	65.2	100	0	P	V
		17934	48.07	-5.93	54	43.76	46.08	23.43	65.2	100	0	A	V
802.11ax HE20 Partial 26/8 CH 165 5825MHz		11650	46.37	-27.63	74	55.44	39.25	17.9	66.22	100	0	P	H
		17475	49.49	-18.71	68.2	51.03	41.38	22.98	65.9	100	0	P	H
		17923	58.46	-15.54	74	54.4	45.86	23.42	65.22	100	0	P	H
		17923	46.99	-7.01	54	42.93	45.86	23.42	65.22	100	0	A	H
		11650	46.03	-27.97	74	55.1	39.25	17.9	66.22	100	0	P	V
		17475	49.5	-18.7	68.2	51.04	41.38	22.98	65.9	100	0	P	V
		17956	57.96	-16.04	74	53.16	46.52	23.45	65.17	100	0	P	V
		17956	47.96	-6.04	54	43.16	46.52	23.45	65.17	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.		
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )		
802.11ax HE20 Partial 52/37 CH 149 5745MHz		5610.2	50.69	-17.51	68.2	41.24	31.72	10.69	32.96	122	310	P	H		
		5667.8	50.86	-30.55	81.41	41.25	31.8	10.76	32.95	122	310	P	H		
		5720	51.76	-59.04	110.8	42	31.88	10.82	32.94	122	310	P	H		
		5722.6	55.64	-61.09	116.73	45.87	31.89	10.82	32.94	122	310	P	H		
	*	5745	112.66	-	-	102.77	31.98	10.85	32.94	122	310	P	H		
	*	5745	102.37	-	-	92.48	31.98	10.85	32.94	122	310	A	H		
														H	
															H
			5627.4	51.17	-17.03	68.2	41.67	31.75	10.71	32.96	134	18	P	V	
			5687.2	51.33	-44.43	95.76	41.7	31.8	10.78	32.95	134	18	P	V	
			5716.8	50.67	-59.24	109.91	40.93	31.87	10.81	32.94	134	18	P	V	
			5724.6	56.39	-64.9	121.29	46.61	31.9	10.82	32.94	134	18	P	V	
		*	5745	108.66	-	-	98.77	31.98	10.85	32.94	134	18	P	V	
		*	5745	99.73	-	-	89.84	31.98	10.85	32.94	134	18	A	V	
													V		
													V		



WiFi Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Partial 52/40 CH 165 5825MHz	*	5825	110.47	-	-	100.26	32.2	10.93	32.92	133	316	P	H	
	*	5825	102.1	-	-	91.89	32.2	10.93	32.92	133	316	A	H	
		5851	56.16	-63.76	119.92	45.82	32.3	10.96	32.92	133	316	P	H	
		5868.8	51.6	-55.33	106.93	41.2	32.34	10.97	32.91	133	316	P	H	
		5913.2	51.38	-25.52	76.9	40.88	32.4	11.01	32.91	133	316	P	H	
		5949.6	50.93	-17.27	68.2	40.39	32.4	11.04	32.9	133	316	P	H	
														H
														H
	*	5825	110.28	-	-	100.07	32.2	10.93	32.92	120	20	P	V	
	*	5825	100.19	-	-	89.98	32.2	10.93	32.92	120	20	A	V	
		5853.4	50.53	-63.92	114.45	40.18	32.31	10.96	32.92	120	20	P	V	
		5868.4	51.22	-55.83	107.05	40.82	32.34	10.97	32.91	120	20	P	V	
		5883.4	53.44	-45.52	98.96	42.99	32.37	10.99	32.91	120	20	P	V	
		5944.4	51.38	-16.82	68.2	40.84	32.4	11.04	32.9	120	20	P	V	
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz

WIFI 802.11ax HE20\_Partial 52 (Harmonic @ 3m)

WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ax HE20 Partial 52/37 CH 149 5745MHz		11490	47.09	-26.91	74	55.77	39.79	17.75	66.22	100	0	P	H
		17235	47.27	-20.93	68.2	50.61	40.07	22.75	66.16	100	0	P	H
		17934	57.57	-16.43	74	53.26	46.08	23.43	65.2	100	0	P	H
		17934	47.28	-6.72	54	42.97	46.08	23.43	65.2	100	0	A	H
		11490	47.88	-26.12	74	56.56	39.79	17.75	66.22	100	0	P	V
		17235	48.58	-19.62	68.2	51.92	40.07	22.75	66.16	100	0	P	V
		17934	58.81	-15.19	74	54.5	46.08	23.43	65.2	100	0	P	V
		17934	47.51	-6.49	54	43.2	46.08	23.43	65.2	100	0	A	V
802.11ax HE20 Partial 52/40 CH 165 5825MHz		11650	46.33	-27.67	74	55.4	39.25	17.9	66.22	100	0	P	H
		17475	49.63	-18.57	68.2	51.17	41.38	22.98	65.9	100	0	P	H
		17945	57.75	-16.25	74	53.19	46.3	23.44	65.18	100	0	P	H
		17945	47.34	-6.66	54	42.78	46.3	23.44	65.18	100	0	A	H
		11650	47.41	-26.59	74	56.48	39.25	17.9	66.22	100	0	P	V
		17475	49.53	-18.67	68.2	51.07	41.38	22.98	65.9	100	0	P	V
		17945	57.26	-16.74	74	52.7	46.3	23.44	65.18	100	0	P	V
		17945	47.72	-6.28	54	43.16	46.3	23.44	65.18	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





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

WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Partial 106/53 CH 149 5745MHz		5634.8	51.13	-17.07	68.2	41.6	31.77	10.72	32.96	112	305	P	H	
		5696	51.38	-50.87	102.25	41.73	31.8	10.79	32.94	112	305	P	H	
		5716.8	51.52	-58.39	109.91	41.78	31.87	10.81	32.94	112	305	P	H	
		5724.2	55.74	-64.64	120.38	45.96	31.9	10.82	32.94	112	305	P	H	
	*	5745	107.96	-	-	98.07	31.98	10.85	32.94	112	305	P	H	
	*	5745	99.28	-	-	89.39	31.98	10.85	32.94	112	305	A	H	
														H
														H
			5638.6	50.78	-17.42	68.2	41.24	31.78	10.72	32.96	122	17	P	V
			5676.2	51.28	-36.35	87.63	41.66	31.8	10.77	32.95	122	17	P	V
			5719.6	53.73	-56.96	110.69	43.97	31.88	10.82	32.94	122	17	P	V
			5725	59.58	-62.62	122.2	49.8	31.9	10.82	32.94	122	17	P	V
	*		5745	107.08	-	-	97.19	31.98	10.85	32.94	122	17	P	V
	*		5745	96.78	-	-	86.89	31.98	10.85	32.94	122	17	A	V
													V	
													V	



WiFi Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE20 Partial 106/54 CH 165 5825MHz	*	5825	110.42	-	-	100.21	32.2	10.93	32.92	133	316	P	H	
	*	5825	100.59	-	-	90.38	32.2	10.93	32.92	133	316	A	H	
		5851.2	56.88	-62.58	119.46	46.54	32.3	10.96	32.92	133	316	P	H	
		5855	53.12	-57.68	110.8	42.77	32.31	10.96	32.92	133	316	P	H	
		5891.8	52.08	-40.65	92.73	41.62	32.38	10.99	32.91	133	316	P	H	
		5942.2	51.85	-16.35	68.2	41.31	32.4	11.04	32.9	133	316	P	H	
														H
														H
	*	5825	108.24	-	-	98.03	32.2	10.93	32.92	120	17	P	V	
	*	5825	98.36	-	-	88.15	32.2	10.93	32.92	120	17	A	V	
		5854.6	50.8	-60.91	111.71	40.45	32.31	10.96	32.92	120	17	P	V	
		5857.8	51.34	-58.67	110.01	40.98	32.32	10.96	32.92	120	17	P	V	
	5889.8	51.52	-42.7	94.22	41.06	32.38	10.99	32.91	120	17	P	V		
	5931.4	51.27	-16.93	68.2	40.74	32.4	11.03	32.9	120	17	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 106 (Harmonic @ 3m)

WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ax HE20 Partial 106/53 CH 149 5745MHz		11490	46.46	-27.54	74	55.14	39.79	17.75	66.22	100	0	P	H
		17235	47.83	-20.37	68.2	51.17	40.07	22.75	66.16	100	0	P	H
		17945	58.71	-15.29	74	54.15	46.3	23.44	65.18	100	0	P	H
		17945	47.47	-6.53	54	42.91	46.3	23.44	65.18	100	0	A	H
		11490	46.89	-27.11	74	55.57	39.79	17.75	66.22	100	0	P	V
		17235	48.09	-20.11	68.2	51.43	40.07	22.75	66.16	100	0	P	V
		17945	58.03	-15.97	74	53.47	46.3	23.44	65.18	100	0	P	V
		17945	48.42	-5.58	54	43.86	46.3	23.44	65.18	100	0	A	V
802.11ax HE20 Partial 106/54 CH 165 5825MHz		11650	47	-27	74	56.07	39.25	17.9	66.22	100	0	P	H
		17475	49.32	-18.88	68.2	50.86	41.38	22.98	65.9	100	0	P	H
		17945	58.78	-15.22	74	54.22	46.3	23.44	65.18	100	0	P	H
		17945	47.34	-6.66	54	42.78	46.3	23.44	65.18	100	0	A	H
		11650	46.51	-27.49	74	55.58	39.25	17.9	66.22	100	0	P	V
		17475	49.63	-18.57	68.2	51.17	41.38	22.98	65.9	100	0	P	V
		17945	59.1	-14.9	74	54.54	46.3	23.44	65.18	100	0	P	V
		17945	47.74	-6.26	54	43.18	46.3	23.44	65.18	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
		5619.25	50.2	-18	68.2	40.72	31.74	10.7	32.96	158	308	P	H
		5670	50.74	-32.3	83.04	41.13	31.8	10.76	32.95	158	308	P	H
		5715.5	53.86	-55.68	109.54	44.13	31.86	10.81	32.94	158	308	P	H
		5723.25	54.86	-63.35	118.21	45.09	31.89	10.82	32.94	158	308	P	H
	*	5755	103.3	-	-	93.36	32.01	10.86	32.93	158	308	P	H
	*	5755	93.31	-	-	83.37	32.01	10.86	32.93	158	308	A	H
		5853.75	50.13	-63.52	113.65	39.78	32.31	10.96	32.92	158	308	P	H
		5867.75	51.06	-56.17	107.23	40.66	32.34	10.97	32.91	158	308	P	H
		5912.5	50.9	-26.52	77.42	40.4	32.4	11.01	32.91	158	308	P	H
		5941.25	50.3	-17.9	68.2	39.76	32.4	11.04	32.9	158	308	P	H
<b>802.11ax</b>													H
<b>HE40 Full</b>													H
<b>CH 151</b>		5644.75	50.06	-18.14	68.2	40.49	31.79	10.73	32.95	118	17	P	V
<b>5755MHz</b>		5676	50.19	-37.29	87.48	40.57	31.8	10.77	32.95	118	17	P	V
		5720	50.71	-60.09	110.8	40.95	31.88	10.82	32.94	118	17	P	V
		5722	52.28	-63.08	115.36	42.51	31.89	10.82	32.94	118	17	P	V
	*	5755	101.06	-	-	91.12	32.01	10.86	32.93	118	17	P	V
	*	5755	90.27	-	-	80.33	32.01	10.86	32.93	118	17	A	V
		5854.25	51.04	-61.47	112.51	40.69	32.31	10.96	32.92	118	17	P	V
		5873.5	49.84	-55.78	105.62	39.42	32.35	10.98	32.91	118	17	P	V
		5905.5	51.2	-31.39	82.59	40.71	32.4	11	32.91	118	17	P	V
		5931.75	51.35	-16.85	68.2	40.82	32.4	11.03	32.9	118	17	P	V
													V
													V



WiFi Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE40 Full CH 159 5795MHz		5636.75	50.17	-18.03	68.2	40.64	31.77	10.72	32.96	135	317	P	H	
		5675	51.32	-35.42	86.74	41.7	31.8	10.77	32.95	135	317	P	H	
		5700.75	50.41	-55	105.41	40.75	31.8	10.8	32.94	135	317	P	H	
		5722.75	49.04	-68.03	117.07	39.27	31.89	10.82	32.94	135	317	P	H	
	*	5795	104.72	-	-	94.66	32.09	10.9	32.93	135	317	P	H	
	*	5795	94.61	-	-	84.55	32.09	10.9	32.93	135	317	A	H	
		5854.25	50.94	-61.57	112.51	40.59	32.31	10.96	32.92	135	317	P	H	
		5865.5	50.88	-56.98	107.86	40.49	32.33	10.97	32.91	135	317	P	H	
		5903.5	51.92	-32.15	84.07	41.43	32.4	11	32.91	135	317	P	H	
		5927.25	51.14	-17.06	68.2	40.62	32.4	11.02	32.9	135	317	P	H	
														H
														H
			5622.75	50.66	-17.54	68.2	41.16	31.75	10.71	32.96	121	18	P	V
			5685.75	50.31	-44.38	94.69	40.68	31.8	10.78	32.95	121	18	P	V
			5709.75	50.63	-57.3	107.93	40.92	31.84	10.81	32.94	121	18	P	V
			5724	50.25	-69.67	119.92	40.47	31.9	10.82	32.94	121	18	P	V
	*		5795	100.6	-	-	90.54	32.09	10.9	32.93	121	18	P	V
	*		5795	91.83	-	-	81.77	32.09	10.9	32.93	121	18	A	V
			5853.25	50.07	-64.72	114.79	39.72	32.31	10.96	32.92	121	18	P	V
			5866.75	50.77	-56.74	107.51	40.38	32.33	10.97	32.91	121	18	P	V
		5920	50.82	-21.07	71.89	40.3	32.4	11.02	32.9	121	18	P	V	
		5931.5	50.79	-17.41	68.2	40.26	32.4	11.03	32.9	121	18	P	V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz

WIFI 802.11ax HE40\_Full (Harmonic @ 3m)

WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ax HE40 Full CH 151 5755MHz		11510	47.57	-26.43	74	56.25	39.77	17.77	66.22	100	0	P	H
		17265	46.61	-21.59	68.2	49.83	40.13	22.78	66.13	100	0	P	H
		17956	58.05	-15.95	74	53.25	46.52	23.45	65.17	100	0	P	H
		17956	47.79	-6.21	54	42.99	46.52	23.45	65.17	100	0	A	H
		11510	47.03	-26.97	74	55.71	39.77	17.77	66.22	100	0	P	V
		17265	46.65	-21.55	68.2	49.87	40.13	22.78	66.13	100	0	P	V
		17945	58	-16	74	53.44	46.3	23.44	65.18	100	0	P	V
	17945	47.65	-6.35	54	43.09	46.3	23.44	65.18	100	0	A	V	
802.11ax HE40 Full CH 159 5795MHz		11590	46.56	-27.44	74	55.4	39.53	17.85	66.22	100	0	P	H
		17385	49.5	-18.7	68.2	51.72	40.88	22.9	66	100	0	P	H
		17934	58.79	-15.21	74	54.48	46.08	23.43	65.2	100	0	P	H
		17934	47.23	-6.77	54	42.92	46.08	23.43	65.2	100	0	A	H
		11590	47.02	-26.98	74	55.86	39.53	17.85	66.22	100	0	P	V
		17385	49.37	-18.83	68.2	51.59	40.88	22.9	66	100	0	P	V
		17923	58.58	-15.42	74	54.52	45.86	23.42	65.22	100	0	P	V
	17923	47.26	-6.74	54	43.2	45.86	23.42	65.22	100	0	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE40\_Partial 242 (Band Edge @ 3m)

WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE40 Partial 262/61 CH 151 5755MHz		5619.75	50.8	-17.4	68.2	41.32	31.74	10.7	32.96	150	317	P	H	
		5697.25	53.39	-49.78	103.17	43.74	31.8	10.79	32.94	150	317	P	H	
		5717.5	59.6	-50.5	110.1	49.85	31.87	10.82	32.94	150	317	P	H	
		5724	61.62	-58.3	119.92	51.84	31.9	10.82	32.94	150	317	P	H	
	*	5755	103.99	-	-	94.05	32.01	10.86	32.93	150	317	P	H	
	*	5755	94.9	-	-	84.96	32.01	10.86	32.93	150	317	A	H	
		5850.25	49.55	-72.08	121.63	39.21	32.3	10.96	32.92	150	317	P	H	
		5865.5	50.31	-57.55	107.86	39.92	32.33	10.97	32.91	150	317	P	H	
		5916	51.05	-23.79	74.84	40.55	32.4	11.01	32.91	150	317	P	H	
		5928.25	51.45	-16.75	68.2	40.92	32.4	11.03	32.9	150	317	P	H	
														H
														H
			5640	51.46	-16.74	68.2	41.9	31.78	10.73	32.95	100	16	P	V
			5675.5	50.07	-37.04	87.11	40.45	31.8	10.77	32.95	100	16	P	V
			5720	56.61	-54.19	110.8	46.85	31.88	10.82	32.94	100	16	P	V
			5724	59.19	-60.73	119.92	49.41	31.9	10.82	32.94	100	16	P	V
	*		5755	100.9	-	-	90.96	32.01	10.86	32.93	100	16	P	V
	*		5755	91.43	-	-	81.49	32.01	10.86	32.93	100	16	A	V
			5850.25	50.6	-71.03	121.63	40.26	32.3	10.96	32.92	100	16	P	V
			5865.25	51.31	-56.62	107.93	40.92	32.33	10.97	32.91	100	16	P	V
		5906.5	50.92	-30.93	81.85	40.42	32.4	11.01	32.91	100	16	P	V	
		5929.5	50.95	-17.25	68.2	40.42	32.4	11.03	32.9	100	16	P	V	
													V	
													V	



WiFi Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE40 Partial 262/62 CH 159 5795MHz		5611.25	51.52	-16.68	68.2	42.07	31.72	10.69	32.96	164	310	P	H	
		5652.75	50.52	-19.72	70.24	40.93	31.8	10.74	32.95	164	310	P	H	
		5703	50.98	-55.06	106.04	41.31	31.81	10.8	32.94	164	310	P	H	
		5721.25	50.28	-63.37	113.65	40.51	31.89	10.82	32.94	164	310	P	H	
	*	5795	105.11	-	-	95.05	32.09	10.9	32.93	164	310	P	H	
	*	5795	94.98	-	-	84.92	32.09	10.9	32.93	164	310	A	H	
		5850.5	52.45	-68.61	121.06	42.11	32.3	10.96	32.92	164	310	P	H	
		5855.75	51.36	-59.23	110.59	41.01	32.31	10.96	32.92	164	310	P	H	
		5880.25	51.94	-49.36	101.3	41.51	32.36	10.98	32.91	164	310	P	H	
		5930.25	51.49	-16.71	68.2	40.96	32.4	11.03	32.9	164	310	P	H	
														H
														H
			5633.5	50.97	-17.23	68.2	41.44	31.77	10.72	32.96	100	339	P	V
			5663.25	51	-27.04	78.04	41.4	31.8	10.75	32.95	100	339	P	V
			5707.5	50.72	-56.58	107.3	41.03	31.83	10.8	32.94	100	339	P	V
			5724.5	50.27	-70.79	121.06	40.49	31.9	10.82	32.94	100	339	P	V
	*		5795	101.53	-	-	91.47	32.09	10.9	32.93	100	339	P	V
	*		5795	92.35	-	-	82.29	32.09	10.9	32.93	100	339	A	V
			5853.25	52.02	-62.77	114.79	41.67	32.31	10.96	32.92	100	339	P	V
			5873	51.52	-54.24	105.76	41.1	32.35	10.98	32.91	100	339	P	V
		5911	52.59	-25.94	78.53	42.09	32.4	11.01	32.91	100	339	P	V	
		5933.25	50.91	-17.29	68.2	40.38	32.4	11.03	32.9	100	339	P	V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													





Band 4 5725~5850MHz

WIFI 802.11ax HE40\_Partial 242 (Harmonic @ 3m)

WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ax HE40 Partial 262/61 CH 151 5755MHz		11510	47.48	-26.52	74	56.16	39.77	17.77	66.22	100	0	P	H
		17265	46.84	-21.36	68.2	50.06	40.13	22.78	66.13	100	0	P	H
		17934	58.52	-15.48	74	54.21	46.08	23.13	65.2	100	0	P	H
		17934	47.19	-6.81	54	42.88	46.08	23.13	65.2	100	0	A	H
		11510	47.33	-26.67	74	56.01	39.77	17.77	66.22	100	0	P	V
		17265	46.44	-21.76	68.2	49.66	40.13	22.78	66.13	100	0	P	V
		17945	58.32	-15.68	74	53.76	46.3	23.14	65.18	100	0	P	V
		17945	47.72	-6.28	54	43.16	46.3	23.14	65.18	100	0	A	V
802.11ax HE40 Partial 262/62 CH 159 5795MHz		11590	48.28	-25.72	74	57.12	39.53	17.85	66.22	100	0	P	H
		17385	48.85	-19.35	68.2	51.07	40.88	22.9	66	100	0	P	H
		17934	58.67	-15.33	74	54.36	46.08	23.13	65.2	100	0	P	H
		17934	47.24	-6.76	54	42.93	46.08	23.13	65.2	100	0	A	H
		11590	47.33	-26.67	74	56.17	39.53	17.85	66.22	100	0	P	V
		17385	48.77	-19.43	68.2	50.99	40.88	22.9	66	100	0	P	V
		17945	58.99	-15.01	74	54.43	46.3	23.14	65.18	100	0	P	V
		17945	47.85	-6.15	54	43.29	46.3	23.14	65.18	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
		5648.75	52.6	-15.6	68.2	43.01	31.8	10.74	32.95	151	318	P	H
		5690.25	54.07	-43.94	98.01	44.44	31.8	10.78	32.95	151	318	P	H
		5714.75	60.42	-48.91	109.33	50.69	31.86	10.81	32.94	151	318	P	H
		5721.25	59.07	-54.58	113.65	49.3	31.89	10.82	32.94	151	318	P	H
	*	5775	101.89	-	-	91.89	32.05	10.88	32.93	151	318	P	H
	*	5775	93.14	-	-	83.14	32.05	10.88	32.93	151	318	A	H
		5852.75	55.08	-60.85	115.93	44.73	32.31	10.96	32.92	151	318	P	H
		5855.5	54.83	-55.83	110.66	44.48	32.31	10.96	32.92	151	318	P	H
		5875.25	53.66	-51.35	105.01	43.24	32.35	10.98	32.91	151	318	P	H
		5948	50.6	-17.6	68.2	40.06	32.4	11.04	32.9	151	318	P	H
<b>802.11ax</b>													H
<b>HE80 Full</b>													H
<b>CH 155</b>													
<b>5775MHz</b>		5625.25	50.85	-17.35	68.2	41.35	31.75	10.71	32.96	119	17	P	V
		5694.5	51.88	-49.27	101.15	42.23	31.8	10.79	32.94	119	17	P	V
		5706.5	54.76	-52.26	107.02	45.07	31.83	10.8	32.94	119	17	P	V
		5722.25	54.27	-61.66	115.93	44.5	31.89	10.82	32.94	119	17	P	V
	*	5775	98.75	-	-	88.75	32.05	10.88	32.93	119	17	P	V
	*	5775	89.86	-	-	79.86	32.05	10.88	32.93	119	17	A	V
		5850	51.06	-71.14	122.2	40.73	32.3	10.95	32.92	119	17	P	V
		5858.75	52.18	-57.57	109.75	41.82	32.32	10.96	32.92	119	17	P	V
		5877	51.01	-52.7	103.71	40.59	32.35	10.98	32.91	119	17	P	V
		5942.75	51.95	-16.25	68.2	41.41	32.4	11.04	32.9	119	17	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 Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ax HE80 Full CH 155 5775MHz		11550	46.69	-27.31	74	55.45	39.65	17.81	66.22	100	0	P	H
		17325	47.57	-20.63	68.2	50.39	40.4	22.84	66.06	100	0	P	H
		17945	58.09	-15.91	74	53.53	46.3	23.44	65.18	100	0	P	H
		17945	47.52	-6.48	54	42.96	46.3	23.44	65.18	100	0	A	H
		11550	47.67	-26.33	74	56.43	39.65	17.81	66.22	100	0	P	V
		17325	48.73	-19.47	68.2	51.55	40.4	22.84	66.06	100	0	P	V
		17956	58.14	-15.86	74	53.34	46.52	23.45	65.17	100	0	P	V
		17956	47.94	-6.06	54	43.14	46.52	23.45	65.17	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE80\_Partial 484 (Band Edge @ 3m)

WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE80 Partial 484/65 CH 155 5775MHz		5627.75	51.05	-17.15	68.2	41.54	31.76	10.71	32.96	150	318	P	H	
		5693.5	57.74	-42.67	100.41	48.1	31.8	10.79	32.95	150	318	P	H	
		5717.25	69.27	-40.76	110.03	59.53	31.87	10.81	32.94	150	318	P	H	
		5721.25	69.11	-44.54	113.65	59.34	31.89	10.82	32.94	150	318	P	H	
	*	5775	103.55	-	-	93.55	32.05	10.88	32.93	150	318	P	H	
	*	5775	94.54	-	-	84.54	32.05	10.88	32.93	150	318	A	H	
		5850.75	63.22	-57.27	120.49	52.88	32.3	10.96	32.92	150	318	P	H	
		5857.25	66.34	-43.83	110.17	55.99	32.31	10.96	32.92	150	318	P	H	
		5877.25	59.01	-44.52	103.53	48.59	32.35	10.98	32.91	150	318	P	H	
		5926.25	51.75	-16.45	68.2	41.23	32.4	11.02	32.9	150	318	P	H	
														H
														H
			5614.25	51.12	-17.08	68.2	41.65	31.73	10.7	32.96	100	17	P	V
			5680	55.26	-35.18	90.44	45.64	31.8	10.77	32.95	100	17	P	V
			5720	65.57	-45.23	110.8	55.81	31.88	10.82	32.94	100	17	P	V
			5720.1	65.57	-45.46	111.03	55.81	31.88	10.82	32.94	100	17	P	V
	*		5775	99.94	-	-	89.94	32.05	10.88	32.93	100	17	P	V
	*		5775	90.07	-	-	80.07	32.05	10.88	32.93	100	17	A	V
			5854.75	63.99	-47.38	111.37	53.64	32.31	10.96	32.92	100	17	P	V
			5859.75	64.78	-44.69	109.47	54.42	32.32	10.96	32.92	100	17	P	V
		5875	56.42	-48.78	105.2	46	32.35	10.98	32.91	100	17	P	V	
		5949.5	50.72	-17.48	68.2	40.18	32.4	11.04	32.9	100	17	P	V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



WiFi Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
0+1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE80 Partial 484/66 CH 155 5775MHz		5616.75	50.48	-17.72	68.2	41.01	31.73	10.7	32.96	150	319	P	H	
		5699.75	58.86	-46.16	105.02	49.21	31.8	10.79	32.94	150	319	P	H	
		5717.5	68.16	-41.94	110.1	58.41	31.87	10.82	32.94	150	319	P	H	
		5722.25	67.19	-48.74	115.93	57.42	31.89	10.82	32.94	150	319	P	H	
	*	5775	104.37	-	-	94.37	32.05	10.88	32.93	150	319	P	H	
	*	5775	95.3	-	-	85.3	32.05	10.88	32.93	150	319	A	H	
		5850.75	59.94	-60.55	120.49	49.6	32.3	10.96	32.92	150	319	P	H	
		5857.25	65.07	-45.1	110.17	54.72	32.31	10.96	32.92	150	319	P	H	
		5877.25	57.09	-46.44	103.53	46.67	32.35	10.98	32.91	150	319	P	H	
		5928.75	51.53	-16.67	68.2	41	32.4	11.03	32.9	150	319	P	H	
														H
														H
			5629.25	50.3	-17.9	68.2	40.79	31.76	10.71	32.96	100	16	P	V
			5680	55.67	-34.77	90.44	46.05	31.8	10.77	32.95	100	16	P	V
			5719.75	64.24	-46.49	110.73	54.48	31.88	10.82	32.94	100	16	P	V
			5724.25	64.24	-56.25	120.49	54.46	31.9	10.82	32.94	100	16	P	V
	*		5775	101.75	-	-	91.75	32.05	10.88	32.93	100	16	P	V
	*		5775	92.69	-	-	82.69	32.05	10.88	32.93	100	16	A	V
			5855	62.27	-48.53	110.8	51.92	32.31	10.96	32.92	100	16	P	V
			5864.25	62.56	-45.65	108.21	52.17	32.33	10.97	32.91	100	16	P	V
		5875.25	56.29	-48.72	105.01	45.87	32.35	10.98	32.91	100	16	P	V	
		5939.25	51.4	-16.8	68.2	40.86	32.4	11.04	32.9	100	16	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\_Partial 484 (Harmonic @ 3m)

WIFI Chain	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ax HE80 Partial 484/65 CH 155 5775MHz		11550	47.64	-26.36	74	56.4	39.65	17.81	66.22	100	0	P	H
		17325	48.12	-20.08	68.2	50.94	40.4	22.84	66.06	100	0	P	H
		17956	58.27	-15.73	74	53.47	46.52	23.45	65.17	100	0	P	H
		17956	47.73	-6.27	54	42.93	46.52	23.45	65.17	100	0	A	H
		11550	47.44	-26.56	74	56.2	39.65	17.81	66.22	100	0	P	V
		17325	48.31	-19.89	68.2	51.13	40.4	22.84	66.06	100	0	P	V
		17934	58.2	-15.8	74	53.89	46.08	23.43	65.2	100	0	P	V
		17934	48.15	-5.85	54	43.84	46.08	23.43	65.2	100	0	A	V
802.11ax HE80 Partial 484/66 CH 155 5775MHz		11550	46.94	-27.06	74	55.7	39.65	17.81	66.22	100	0	P	H
		17325	47.7	-20.5	68.2	50.52	40.4	22.84	66.06	100	0	P	H
		17945	58.19	-15.81	74	53.63	46.3	23.44	65.18	100	0	P	H
		17945	47.48	-6.52	54	42.92	46.3	23.44	65.18	100	0	A	H
		11550	46.95	-27.05	74	55.71	39.65	17.81	66.22	100	0	P	V
		17325	48.8	-19.4	68.2	51.62	40.4	22.84	66.06	100	0	P	V
		17934	58.32	-15.68	74	54.01	46.08	23.43	65.2	100	0	P	V
		17934	48.18	-5.82	54	43.87	46.08	23.43	65.2	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Emission above 1GHz**

**WIFI 802.11ax HE80 Full (SHF @ 3m)**

WIFI Chain 0+1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ax HE80 Full SHF		35820	44.82	-23.38	68.2	61.09	43.62	-1.19	58.7	100	0	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
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													H
													H
													H
													H
													H
			37404	45.37	-22.83	68.2	60.97	43.12	-1.06	57.66	100	0	P
													V
													V
													V
													V
													V
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													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against limit line.												



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

WIFI Chain 0+1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11ax HE80 Full LF		43.58	21.66	-18.34	40	35.85	17.3	1.03	32.52	-	-	P	H	
		104.69	30.9	-12.6	43.5	45.46	16.38	1.56	32.5	100	0	P	H	
		160.95	25.13	-18.37	43.5	39.37	16.31	1.97	32.52	-	-	P	H	
		780.78	29.62	-16.38	46	29.05	28.12	4.2	31.75	-	-	P	H	
		860.32	30.89	-15.11	46	28.51	29.31	4.43	31.36	-	-	P	H	
		950.53	31.45	-14.55	46	26.92	30.7	4.7	30.87	-	-	P	H	
														H
														H
														H
														H
														H
														H
														H
			44.55	33.95	-6.05	40	48.54	16.88	1.05	32.52	100	0	P	V
			73.65	29.71	-10.29	40	48.52	12.4	1.32	32.53	-	-	P	V
			138.64	25.44	-18.06	43.5	38.86	17.31	1.79	32.52	-	-	P	V
			857.41	30.55	-15.45	46	28.24	29.27	4.41	31.37	-	-	P	V
			884.57	31.04	-14.96	46	28.62	29.17	4.51	31.26	-	-	P	V
			957.32	30.92	-15.08	46	26.01	31.02	4.72	30.83	-	-	P	V
														V
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against 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 Chain 0+1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( 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 )
802.11b CH 01		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	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. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

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. Over Limit(dB)
  - = Level(dBμV/m) – Limit Line(dBμV/m)
  - = 55.45(dBμV/m) – 74(dBμV/m)
  - = -18.55(dB)

**For Average Limit @ 2390MHz:**

1. Level(dBμV/m)
  - = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
  - = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
  - = 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
  - = 43.54(dBμV/m) – 54(dBμV/m)
  - = -10.46(dB)

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



## Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Bill Cheng, Fu Chen and Troye Hsieh	Temperature :	19.1~24°C
		Relative Humidity :	33.2~68.9%

### Note symbol

-L	Low channel location
-R	High channel location



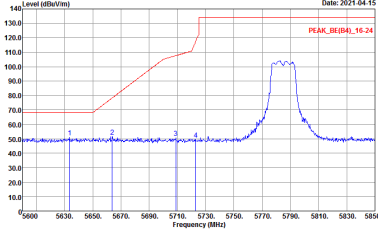
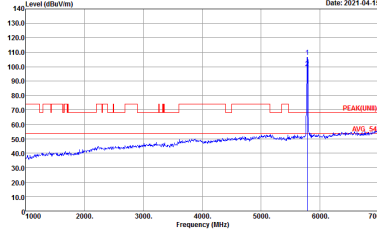
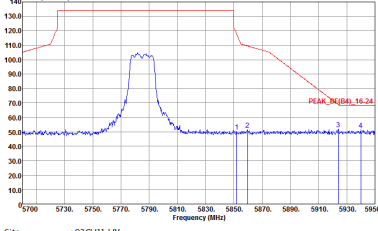
**Band 4 - 5725~5850MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11a CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL            -RBW:1000.000KHz VSW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY            Condition : PEAK(UNIT) 3m HORN 91200-HF_1326 HORIZONTAL            -RBW:1000.000KHz VSW:3000.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11a CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY          Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH11-HY          Condition : PEAK(FUNB)_16-24 3m HORN 91200-HF_1326 VERTICAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11a CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(FUN1) 3m HORN 91200-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11a CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	<p>Date: 2021-04-15 PEAK_BE(B4)_16-24</p> <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2021-04-15 PEAK(FUNB) AUS_57</p> <p>Site : 03CH11-HY Condition : PEAK(FUNB)_3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Date: 2021-04-15 PEAK_BE(B4)_16-24</p> <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11a CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY          Condition : PEAK_05(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY          Condition : PEAK_05(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>





WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11a CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY          Condition : PEAK_SE[94]_16-24 3m HORN 91200-HF_1326 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY          Condition : PEAK[LINE] 3m HORN 91200-HF_1326 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



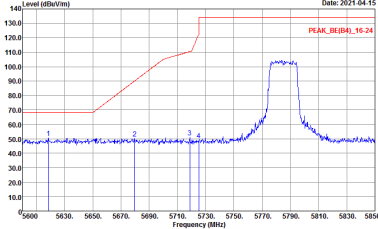
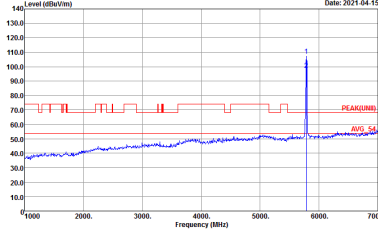
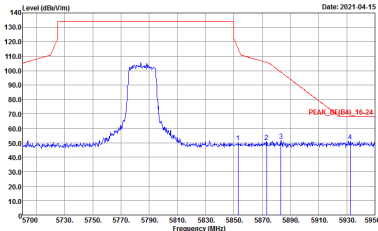
Band 4 5725~5850MHz  
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Full CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-4HY Condition : PEAK_BE(84)_16-24 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-4HY Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>

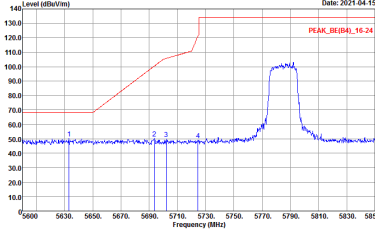
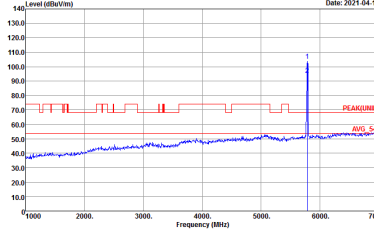
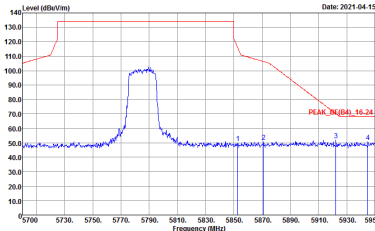


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Full CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY          Condition : PEAK_SE[04]_16-24 3m HORN 91200-HF_1326 VERTICAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH11-HY          Condition : PEAK[LINE] 3m HORN 91200-HF_1326 VERTICAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Full CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Date: 2021-04-15 PEAK_BE(B4)_16-24</p> <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2021-04-15 PEAK(FUNB) AVG_53</p> <p>Site : 03CH11-HY Condition : PEAK(FUNB)_3m HORN 91200-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	 <p>Date: 2021-04-15 PEAK_BE(B4)_16-24</p> <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Full CH157 5785MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(FUN1) 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Full CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY          Condition : PEAK_SE[94]_16-24 3m HORN 91200-HF_1326 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH11-HY          Condition : PEAK[LINE] 3m HORN 91200-HF_1326 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Full CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY          Condition : PEAK_SE[94]_16-24 3m HORN 91200-HF_1326 VERTICAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH11-HY          Condition : PEAK[LINE] 3m HORN 91200-HF_1326 VERTICAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>

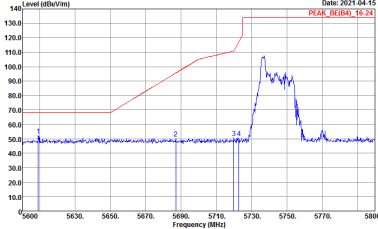
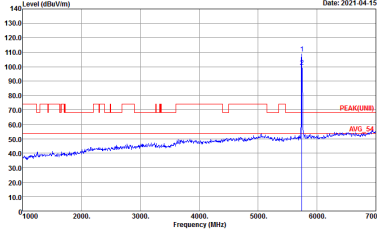


**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)**

<b>WIFI</b>	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
<b>Chain</b>	<b>802.11ax HE20 Partial 26/0 CH149 5745MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH11-4Y          Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF_1326 HORIZONTAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-4Y          Condition : PEAK(UNII) 3m HORN 91200-HF_1326 HORIZONTAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>





WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	 <p>Date: 2021-04-15 PEAK BE(B4)_16.24</p> <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2021-04-15 PEAK(FUNB) AVG_53</p> <p>Site : 03CH11-HY Condition : PEAK(FUNB)_3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY          Condition : PEAK_05(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH11-HY          Condition : PEAK(UNB) 3m HORN 91200-HF_1326 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Partial 26/8 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY          Condition : PEAK_05(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH11-HY          Condition : PEAK_05(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



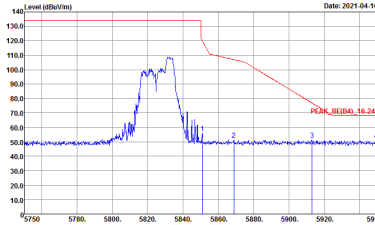
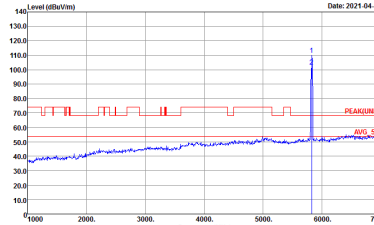
Band 4 5725~5850MHz  
WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Partial 52/37 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-4Y Condition : PEAK_BE(84)_16-24 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-4Y Condition : PEAK(UNB) 3m HORN 9120D-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>

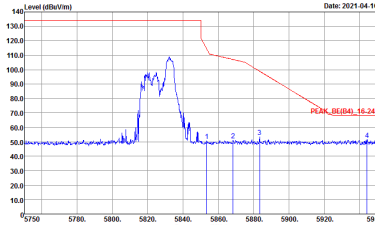
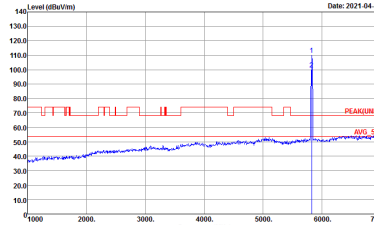


<b>WIFI</b>	<b>Band 4 5725~5850MHz Band Edge @ 3m</b>	
<b>Chain</b>	<b>802.11ax HE20 Partial 52/37 CH149 5745MHz</b>	
<b>0+1</b>	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH11-HY Condition : PEAK_SE[84]_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH11-HY Condition : PEAK[LINE] 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Partial 52/40 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-HY          Condition : PEAK_05(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-HY          Condition : PEAK(UNB) 3m HORN 91200-HF_1326 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Partial 52/40 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY          Condition : PEAK_05(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-HY          Condition : PEAK(UNB) 3m HORN 91200-HF_1326 VERTICAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



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

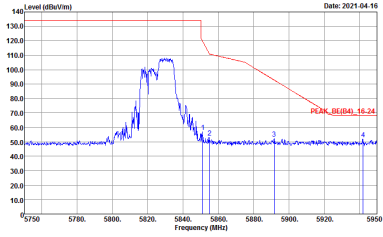
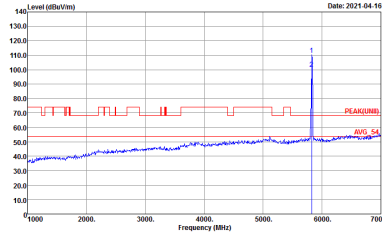
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Partial 106/53 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-4Y Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-4Y Condition : PEAK(UNB) 3m HORN 91200-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>





WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Partial 106/53 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%;"> <p>Date: 2021-04-16 PEAK: 86[84], 16.24</p> <p>Site : 03CH11-HY Condition : PEAK_86[84], 16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> </div> <div style="width: 45%;"> <p>Date: 2021-04-16 PEAK[UNB] AVG: 51</p> <p>Site : 03CH11-HY Condition : PEAK[UNB] 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> </div> </div>	



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Partial 106/54 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-HY          Condition : PEAK_05(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH11-HY          Condition : PEAK(UNB) 3m HORN 91200-HF_1326 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE20 Partial 106/54 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY          Condition : PEAK_05(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY          Condition : PEAK(UMB) 3m HORN 91200-HF_1326 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE40 Full CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY            Condition : PEAK(UNB) 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE40 Full CH151 5755MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY            Condition : PEAK(FUNB) 3m HORN 91200-HF_1326 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE40 Full HT40 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY Condition : PEAK(FUNB) 3m HORN 91200-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE40 Full CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY Condition : PEAK(FUNB) 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank

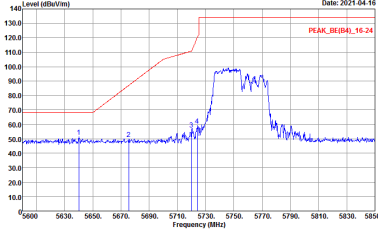
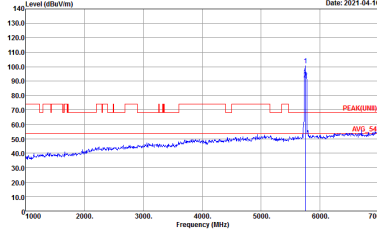
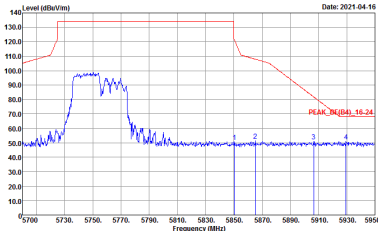


**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)**

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE40 Partial 242/61 CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY            Condition : PEAK(UNB) 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank





WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE40 Partial 242/61 CH151 5755MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(FUN1) 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE40 Partial 242/62 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY            Condition : PEAK(FUNB) 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



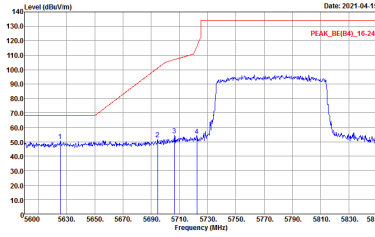
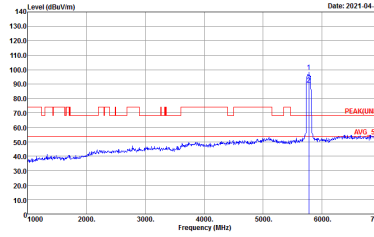
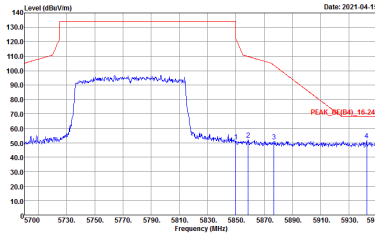
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE40 Partial 242/62 CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY            Condition : PEAK(FUNB) 3m HORN 91200-HF_1326 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE80 Full CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY            Condition : PEAK(UNB) 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



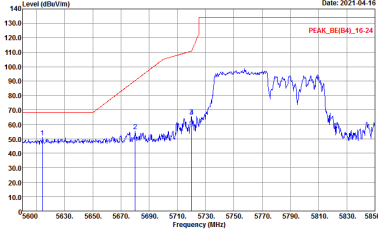
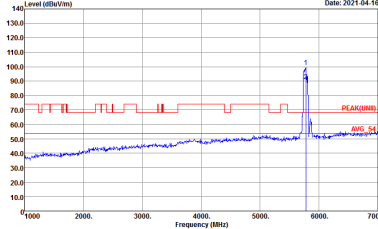
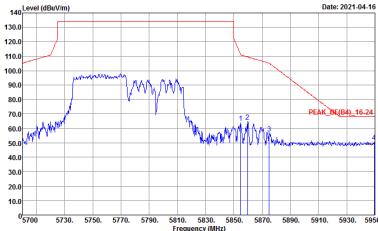
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE80 Full CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(FUN1) 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



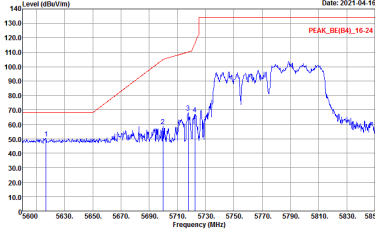
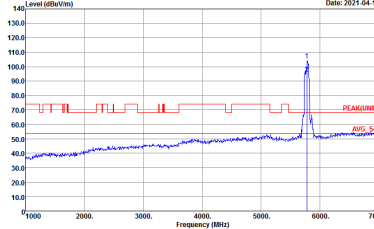
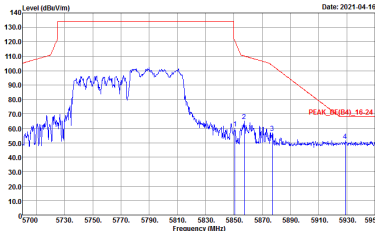
**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)**

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE80 Partial 484/65 CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH11-HY            Condition : PEAK(UNB) 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	<p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



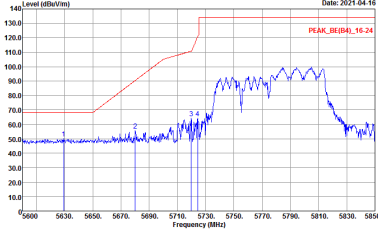
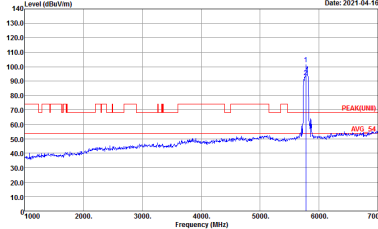
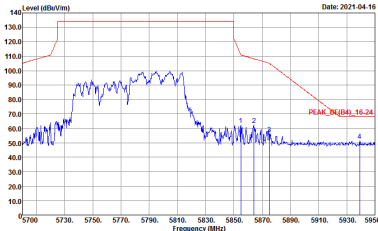
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE80 Partial 484/65 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(FUN)1 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE80 Partial 484/66 CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 5775 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5690 to 5810 MHz. A red line indicates the peak level at approximately 130 dBuV/m. The plot is dated 2021-04-16.</p> <p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 5775 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 4000 to 7000 MHz. A red line indicates the peak level at approximately 130 dBuV/m. The plot is dated 2021-04-16.</p> <p>Site : 03CH11-HY            Condition : PEAK(FUN1) 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 5775 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5700 to 5950 MHz. A red line indicates the peak level at approximately 130 dBuV/m. The plot is dated 2021-04-16.</p> <p>Site : 03CH11-HY            Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank





WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
Chain	802.11ax HE80 Partial 484/66 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH11-HY Condition : PEAK(FUN) 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



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

<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>Chain</b>	<b>802.11a CH149 5745MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b>		
<b>Avg.</b>	<p>Site : 03CH11-HY          Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : 03CH11-HY          Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 VERTICAL</p>



<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>Chain</b>	<b>802.11a CH157 5785MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 VERTICAL</p>



<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>Chain</b>	<b>802.11a CH165 5825MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 VERTICAL</p>



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

<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>Chain</b>	<b>802.11ax HE20 Full CH149 5745MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : IP          Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : IS          Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p>



<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>Chain</b>	<b>802.11ax HE20 Full CH157 5785MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 VERTICAL</p>



<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>Chain</b>	<b>802.11ax HE20 Full CH165 5825MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 VERTICAL</p>



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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
Chain	802.11ax HE20 Partial 26/0 CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : IP Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : IS Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p>





<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>Chain</b>	<b>802.11ax HE20 Partial 26/8 CH165 5825MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 VERTICAL</p>



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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
Chain	802.11ax HE20 Partial 52/37 CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : IS Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : IS Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p>



<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>Chain</b>	<b>802.11ax HE20 Partial 52/40 CH165 5825MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF 1326 VERTICAL</p>



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

<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>Chain</b>	<b>802.11ax HE20 Partial 106/53 CH149 5745MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : IP          Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : IS          Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p>



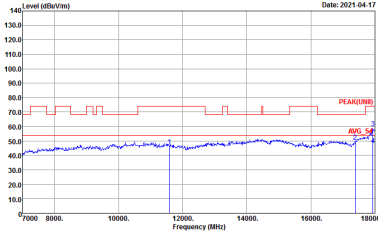
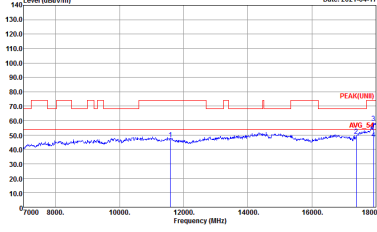
<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>Chain</b>	<b>802.11ax HE20 Partial 106/54 CH165 5825MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 VERTICAL</p>



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

<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>Chain</b>	<b>802.11ax HE40 Full CH151 5755MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : IP Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : IS Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p>



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
Chain	802.11ax HE40 Full CH159 5795MHz	
0+1	Horizontal	Vertical
Peak Avg.	 <p>Site : 15 Condition : PEAK(UNII) 3m HORN 91200-HF_1326 HORIZONTAL</p>	 <p>Site : 15 Condition : PEAK(UNII) 3m HORN 91200-HF_1326 VERTICAL</p>



Band 4 5725~5850MHz  
WIFI 802.11ax HE40 Partial 242 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
Chain	802.11ax HE40 Partial 242/61 CH151 5755MHz	
0+1	Horizontal	Vertical
Peak Avg.	<p>Site : IP Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : IS Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p>





<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>Chain</b>	<b>802.11ax HE40 Partial 242/62 CH159 5795MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 VERTICAL</p>



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

<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>Chain</b>	<b>802.11ax HE80 Full CH155 5775MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : IP Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : IS Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p>



**Band 4 5725~5850MHz**  
**WIFI 802.11ax HE80 Partial 484 (Harmonic @ 3m)**

<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>Chain</b>	<b>802.11ax HE80 Partial 484/65 CH155 5775MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : IP          Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : IS          Condition : PEAK(UNIT) 3m HORN 9120D-HF_1326 VERTICAL</p>



<b>WIFI</b>	<b>Band 4 5725~5850MHz Harmonic @ 3m</b>	
<b>Chain</b>	<b>802.11ax HE80 Partial 484/66 CH155 5775MHz</b>	
<b>0+1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 HORIZONTAL</p>	<p>Site : 15 Condition : PEAK(UNII) 3m HORN 9120D-HF_1326 VERTICAL</p>



Emission above 18GHz  
5GHz WIFI 802.11ax HE80 Full (SHF)

WIFI	5GHz WIFI	
Chain	802.11ax HE80 Full SHF	
0+1	Horizontal	Vertical
QP / Peak	<p>Site : 03CH15-HY Condition : PEAK(UNII)_1M SHF ANT_9170_00994 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII)_1M SHF ANT_9170_00994 VERTICAL</p>



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

WIFI	5GHz WIFI	
Chain	802.11ax HE80 Full LF	
0+1	Horizontal	Vertical
QP / Peak	<p>Site : 03CHI1-HY Condition : QP 3m BE-LOG 6111D-LF_ETC HORIZONTAL</p>	<p>Site : 03CHI1-HY Condition : QP 3m BE-LOG 6111D-LF_ETC VERTICAL</p>

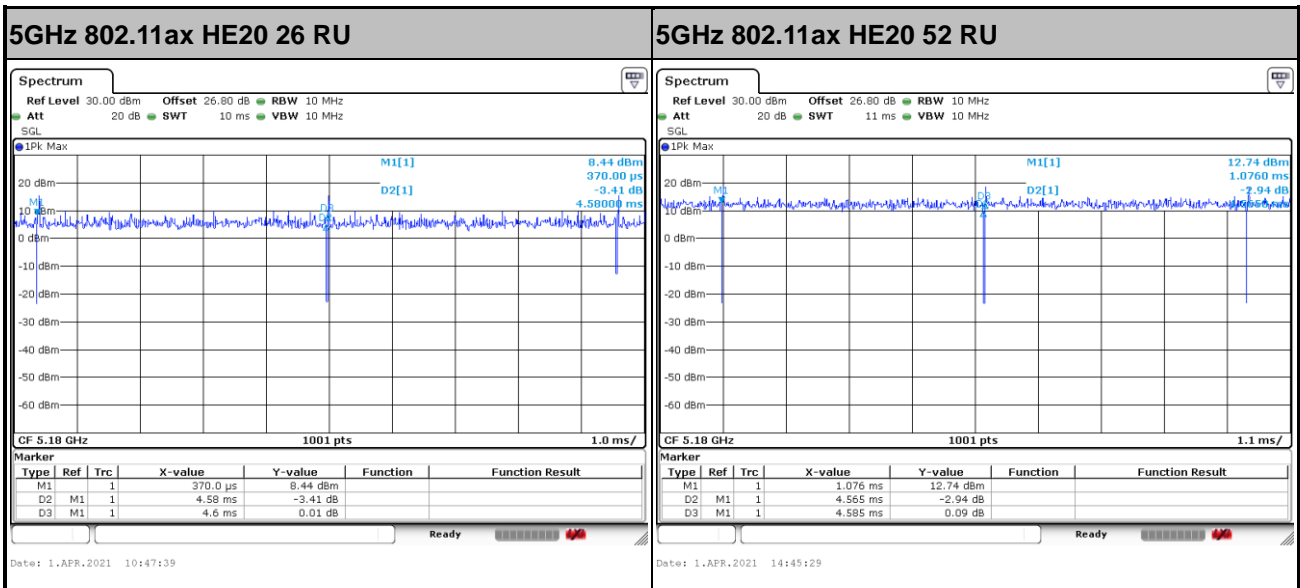
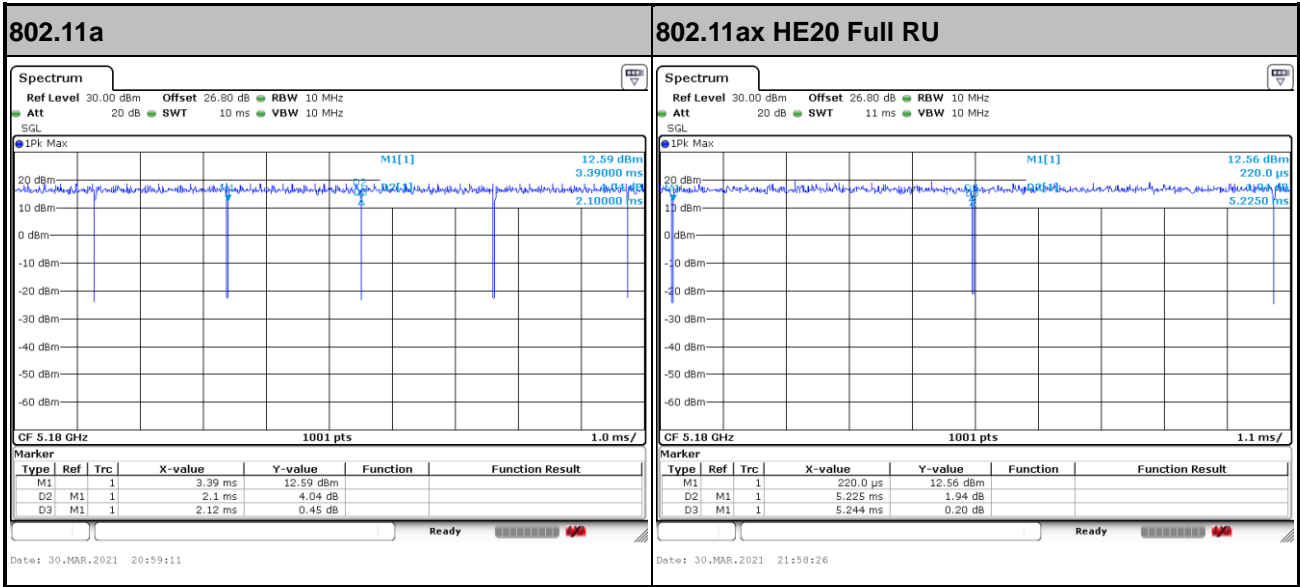


## Appendix E. Duty Cycle Plots

Chain	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
0+1	802.11a for Chain 0	99.06	-	-	10Hz	0.04
0+1	802.11a for Chain 1	99.05	-	-	10Hz	0.04
0+1	5GHz 802.11ax HE20 Full RU for Chain 0	99.64	-	-	10Hz	0.02
0+1	5GHz 802.11ax HE20 Full RU for Chain 1	99.62	-	-	10Hz	0.02
0+1	5GHz 802.11ax HE20 26 RU for Chain 0	99.56	-	-	10Hz	0.02
0+1	5GHz 802.11ax HE20 26 RU for Chain 1	99.57	-	-	10Hz	0.02
0+1	5GHz 802.11ax HE20 52 RU for Chain 0	99.56	-	-	10Hz	0.02
0+1	5GHz 802.11ax HE20 52 RU for Chain 1	99.72	-	-	10Hz	0.01
0+1	5GHz 802.11ax HE20 106 RU for Chain 0	99.39	-	-	10Hz	0.03
0+1	5GHz 802.11ax HE20 106 RU for Chain 1	99.39	-	-	10Hz	0.03
0+1	5GHz 802.11ax HE40 Full RU for Chain 0	99.62	-	-	10Hz	0.02
0+1	5GHz 802.11ax HE40 Full RU for Chain 1	99.50	-	-	10Hz	0.02
0+1	5GHz 802.11ax HE40 242 RU for Chain 0	98.64	-	-	10Hz	0.06
0+1	5GHz 802.11ax HE40 242 RU for Chain 1	98.64	-	-	10Hz	0.06
0+1	5GHz 802.11ax HE80 Full RU for Chain 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE80 Full RU for Chain 1	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ax HE80 484 RU for Chain 0	97.93	758	1.32	3kHz	0.09
0+1	5GHz 802.11ax HE80 484 RU for Chain 1	97.93	758	1.32	3kHz	0.09



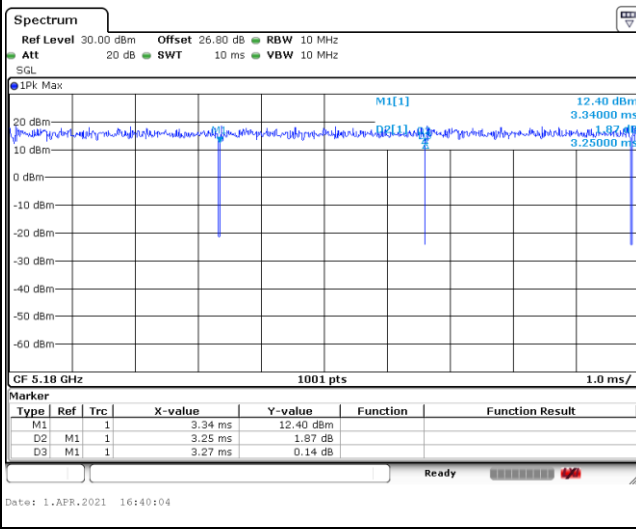
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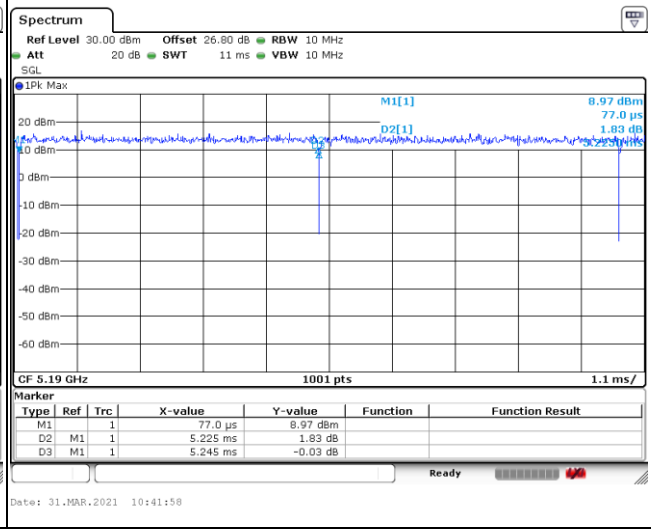




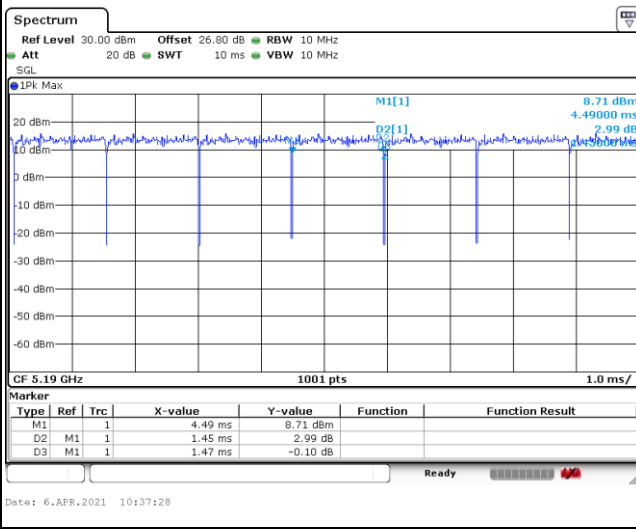
5GHz 802.11ax HE20 106 RU



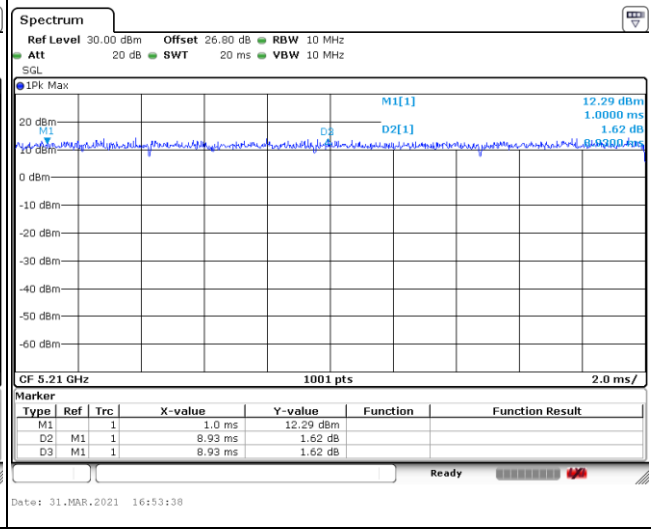
802.11ax HE40 Full RU

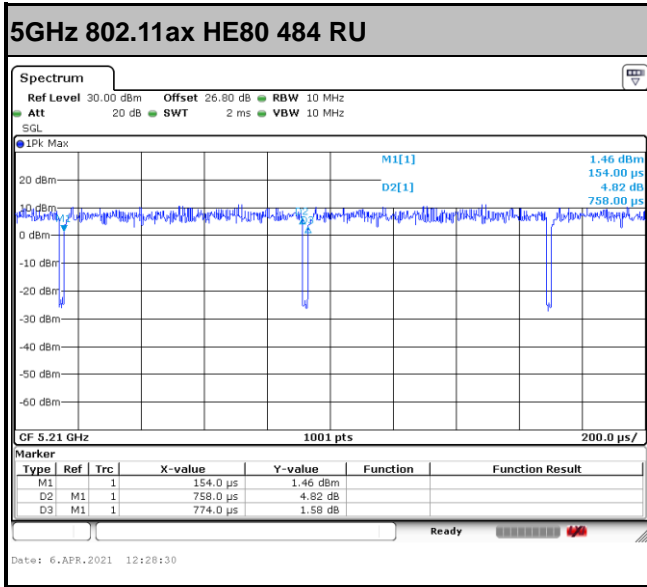


5GHz 802.11ax HE40 242 RU



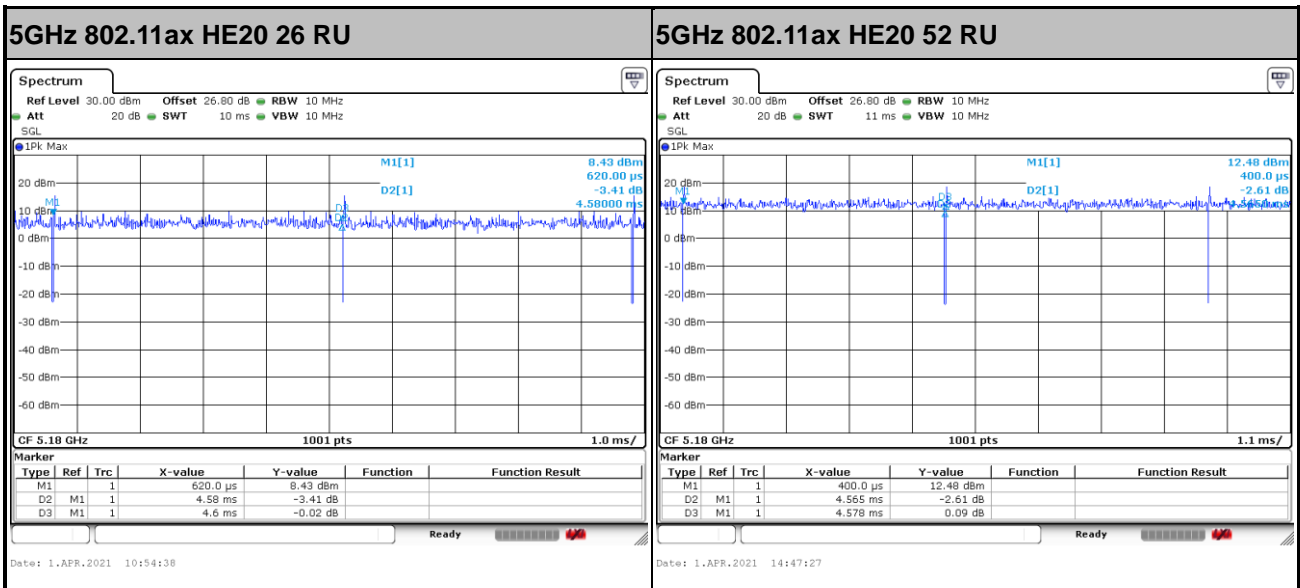
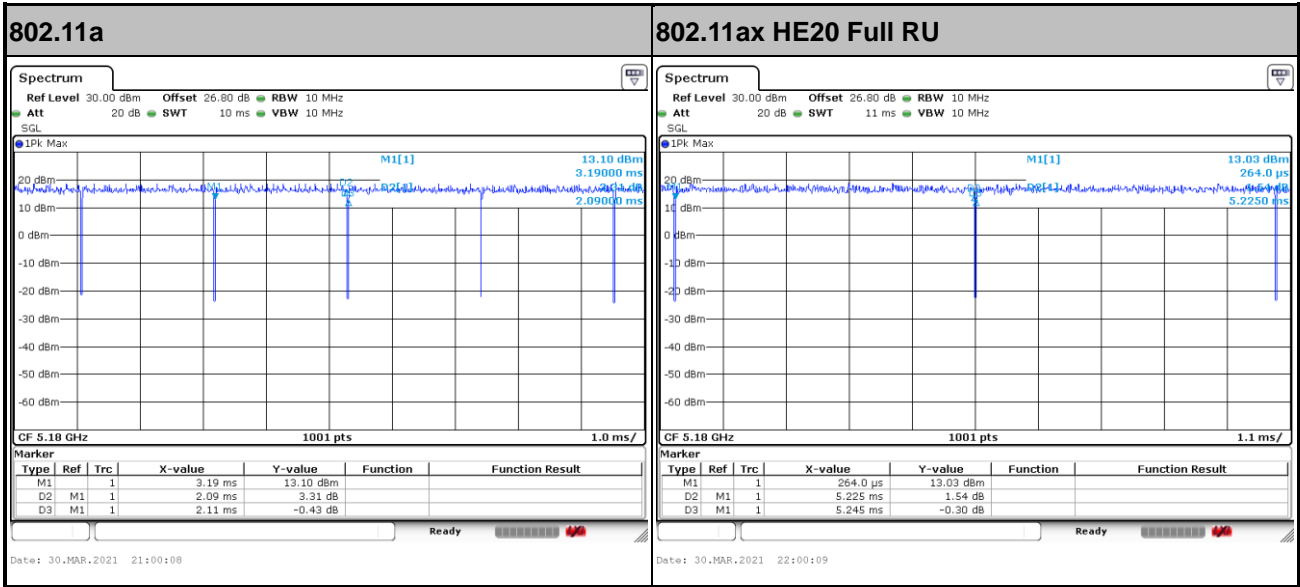
802.11ax HE80 Full RU





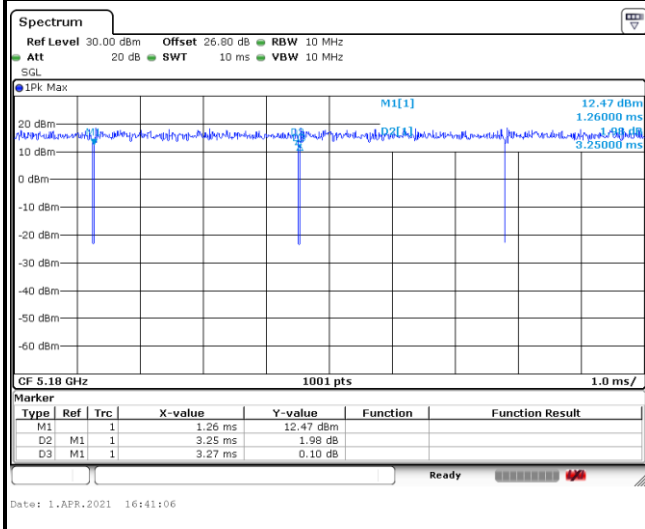


MIMO <Chain 1>

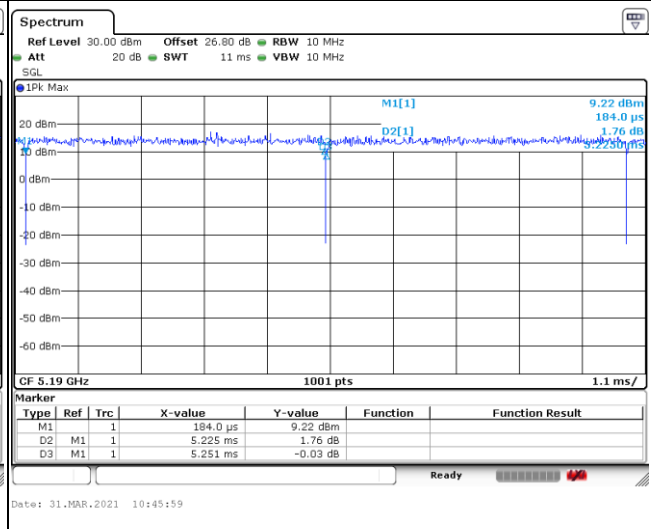




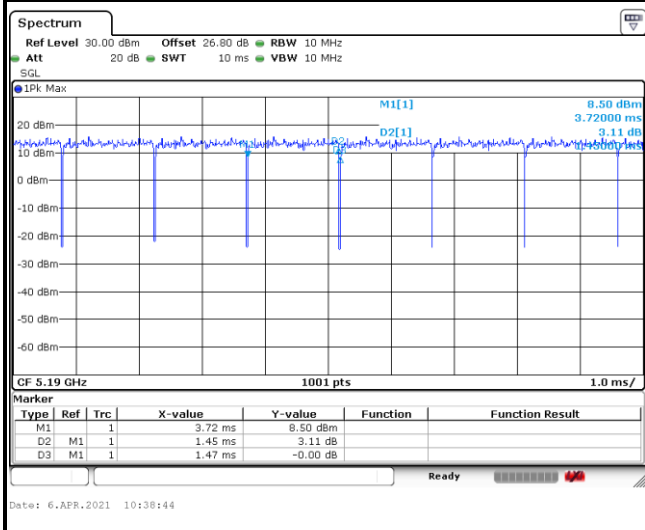
5GHz 802.11ax HE20 106 RU



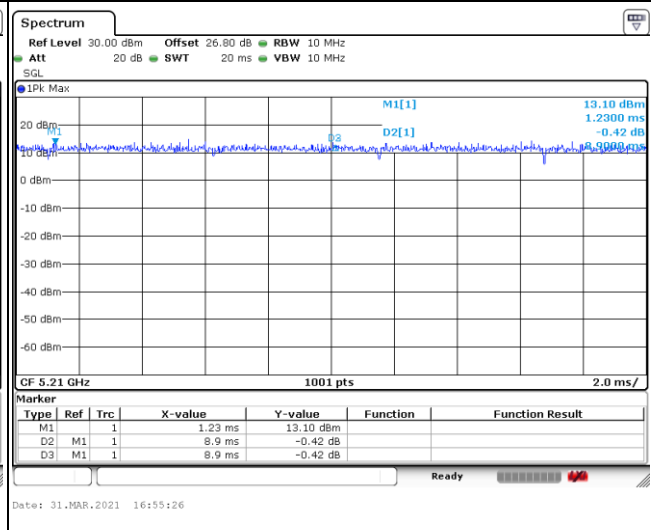
802.11ax HE40 Full RU

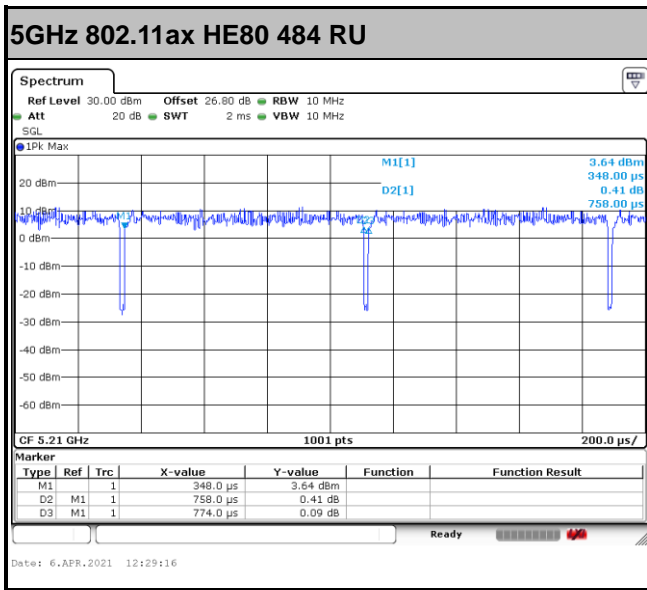


5GHz 802.11ax HE40 242 RU



802.11ax HE80 Full RU





—THE END—