



# FCC RF Test Report

**APPLICANT** : vivo Mobile Communication Co., Ltd.  
**EQUIPMENT** : Mobile Phone  
**BRAND NAME** : vivo  
**MODEL NAME** : V2145  
**FCC ID** : 2AUCY-V2145  
**STANDARD** : FCC Part 15 Subpart E § 15.407  
**CLASSIFICATION** : (NII) Unlicensed National Information Infrastructure  
**TEST DATE(S)** : Mar. 21, 2022 ~ Apr. 08, 2022

We, Sporton International Inc. (ShenZhen), 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. (ShenZhen), the test report shall not be reproduced except in full.

Jason Jia



Approved by: Jason Jia

**Sporton International Inc. (ShenZhen)**

**1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055**

**People's Republic of China**



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### REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR212202F	Rev. 01	Initial issue of report	Apr. 26, 2022



## SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	2.1049 & 15.403(i)	26dB & 99% Bandwidth	-	Report only	-
3.2	15.407(a)	Maximum Conducted Output Power	≤ 24 dBm	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 11 dBm	Pass	-
3.4	15.407(b)	Unwanted Emissions	15.407(b) & 15.209(a)	Pass	Under limit 2.25 dB at 5470.000 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 4.95 dB at 0.170 MHz
3.6	15.203 & 15.407(a)	Antenna Requirement	15.203 & 15.407(a)	Pass	-

<b>Declaration of Conformity:</b>
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
<b>Comments and Explanations:</b>
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.



# 1 General Description

## 1.1 Applicant

vivo Mobile Communication Co., Ltd.  
No.1, vivo Road, Chang'an, Dongguan,Guangdong,China

## 1.2 Manufacturer

vivo Mobile Communication Co., Ltd.  
No.1, vivo Road, Chang'an, Dongguan,Guangdong,China

## 1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	vivo
Model Name	V2145
FCC ID	2AUCY-V2145
IMEI Code	Conducted: N/A Conduction: 868488069969903 Radiation: 868488069969622/868488069969630
HW Version	MP_0.1
SW Version	PD2185BF_EX_A_12.0.9.2.W30.V000L1
EUT Stage	Production Unit

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.



### 1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
<b>Tx/Rx Frequency Range</b>	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
<b>Maximum Output Power to Antenna</b>	<p><b>MIMO&lt;Ant.1+2&gt;</b></p> <p><b>&lt;5180 MHz ~ 5240 MHz&gt;</b>  802.11a : 20.71 dBm / 0.1178 W  802.11n HT20 : 20.69 dBm / 0.1172 W  802.11n HT40 : 19.62 dBm / 0.0916 W  802.11ac VHT20 : 20.76 dBm / 0.1191 W  802.11ac VHT40 : 19.68 dBm / 0.0929 W  802.11ac VHT80 : 19.15 dBm / 0.0822 W  802.11ac VHT160 : 18.56 dBm / 0.0718 W  802.11ax HE20 : 20.13 dBm / 0.1030 W  802.11ax HE40 : 19.51 dBm / 0.0893 W  802.11ax HE80 : 19.10 dBm / 0.0813 W  802.11ax HE160 : 18.22 dBm / 0.0664 W</p> <p><b>&lt;5260 MHz ~ 5320 MHz&gt;</b>  802.11a : 20.68 dBm / 0.1169 W  802.11n HT20 : 20.60 dBm / 0.1148 W  802.11n HT40 : 18.15 dBm / 0.0653 W  802.11ac VHT20 : 20.67 dBm / 0.1167 W  802.11ac VHT40 : 19.12 dBm / 0.0817 W  802.11ac VHT80 : 18.12 dBm / 0.0649 W  802.11ax HE20 : 20.14 dBm / 0.1033 W  802.11ax HE40 : 19.34 dBm / 0.0859 W  802.11ax HE80 : 18.20 dBm / 0.0661 W</p> <p><b>&lt;5500 MHz ~ 5720 MHz &gt;</b>  802.11a : 20.61 dBm / 0.1151 W  802.11n HT20 : 20.61 dBm / 0.1151 W  802.11n HT40 : 20.17 dBm / 0.1040 W  802.11ac VHT20 : 20.68 dBm / 0.1169 W  802.11ac VHT40 : 20.23 dBm / 0.1054 W  802.11ac VHT80 : 19.13 dBm / 0.0818 W  802.11ac VHT160 : 19.12 dBm / 0.0817 W  802.11ax HE20 : 19.11 dBm / 0.0815 W  802.11ax HE40 : 19.22 dBm / 0.0836 W  802.11ax HE80 : 19.32 dBm / 0.0855 W  802.11ax HE160 : 18.60 dBm / 0.0724 W</p>
<b>99% Occupied Bandwidth</b>	<p><b>&lt;5180 MHz ~ 5240 MHz&gt;</b>  802.11a : 16.43 MHz  802.11ac VHT20 : 17.63 MHz  802.11ac VHT40 : 36.36 MHz  802.11ac VHT80 : 75.40 MHz  802.11ac VHT160 : 154.65 MHz  802.11ax HE20 : 18.98 MHz  802.11ax HE40 : 37.96 MHz  802.11ax HE80 : 77.32 MHz  802.11ax HE160 : 156.08 MHz</p> <p><b>&lt;5260 MHz ~ 5320 MHz&gt;</b>  802.11a : 16.43 MHz  802.11ac VHT20 : 17.63 MHz</p>



	802.11ac VHT40 : 36.26 MHz 802.11ac VHT80 : 75.52 MHz 802.11ax HE20 : 18.98 MHz 802.11ax HE40 : 37.96 MHz 802.11ax HE80 : 77.32 MHz <b>&lt;5500 MHz ~ 5720 MHz &gt;</b> 802.11a : 16.43 MHz 802.11ac VHT20 : 17.63 MHz 802.11ac VHT40 : 36.46 MHz 802.11ac VHT80 : 75.52 MHz 802.11ac VHT160 : 154.41 MHz 802.11ax HE20 : 18.93 MHz 802.11ax HE40 : 37.96 MHz 802.11ax HE80 : 77.32 MHz 802.11ax HE160 : 155.84 MHz						
<b>Antenna Type / Gain</b>	<b>&lt;5180 MHz ~ 5240 MHz&gt;</b> <Ant. 1> : PIFA Antenna with gain -3.00 dBi <Ant. 2> : PIFA Antenna with gain -3.00 dBi <b>&lt;5260 MHz ~ 5320 MHz&gt;</b> <Ant. 1> : PIFA Antenna with gain -3.00 dBi <Ant. 2> : PIFA Antenna with gain -3.00 dBi <b>&lt;5500 MHz ~ 5720 MHz&gt;</b> <Ant. 1> : PIFA Antenna with gain -3.00 dBi <Ant. 2> : PIFA Antenna with gain -3.00 dBi						
<b>Type of Modulation</b>	802.11a/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac/ax: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)						
<b>Antenna Function Description</b>	<table border="1"> <thead> <tr> <th></th> <th>Ant. 1</th> <th>Ant. 2</th> </tr> </thead> <tbody> <tr> <td>802.11 a/n/ac/ax SISO/MIMO</td> <td>V</td> <td>V</td> </tr> </tbody> </table>		Ant. 1	Ant. 2	802.11 a/n/ac/ax SISO/MIMO	V	V
	Ant. 1	Ant. 2					
802.11 a/n/ac/ax SISO/MIMO	V	V					

**Note:**

1. Note: For 802.11n HT20 / ac VHT20 and 802.11n HT40 / ac VHT40 mode, the whole testing have assessed only 802.11ac VHT20/VHT40 by referring to their maximum conducted power.
2. For SISO&MIMO (CDD) mode, the whole testing has assessed only MIMO mode by referring to their higher conducted power.
3. The device support partial RU for 802.11ax mode.
4. Ant. 1/2 corresponds to ant. 23/24 in the EP report respectively.

### 1.5 Modification of EUT

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



### 1.6 Testing Location

Sporton International Inc. (Shenzhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

<b>Test Firm</b>	Sporton International Inc. (Shenzhen)		
<b>Test Site Location</b>	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
<b>Test Site No.</b>	<b>Sporton Site No.</b>	<b>FCC Designation No.</b>	<b>FCC Test Firm Registration No.</b>
	CO01-SZ TH01-SZ	CN1256	421272

<b>Test Firm</b>	Sporton International Inc. (Shenzhen)		
<b>Test Site Location</b>	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
<b>Test Site No.</b>	<b>Sporton Site No.</b>	<b>FCC Designation No.</b>	<b>FCC Test Firm Registration No.</b>
	03CH03-SZ	CN1256	421272

### 1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH03-SZ	AUDIX	E3	6.2009-8-24
2.	CO01-SZ	AUDIX	E3	6.120613b





## 1.8 Applicable Standards

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

- ♦ 47 CFR Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ 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. 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 (X 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)
5180-5240 MHz U-NII-1	36	5180	44	5220
	38	5190	46	5230
	40	5200	48	5240
	42	5210	50	5250
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5260-5320 MHz U-NII-2A	52	5260	60	5300
	54	5270	62	5310
	56	5280	64	5320
	58	5290		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5500- 5720 MHz MHz U-NII-2C	100	5500	114	5570
	102	5510	116	5580
	104	5520	132	5660
	106	5530	134	5670
	108	5540	136	5680
	110	5550	140	5700
	112	5560		



Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118	5590	124	5620
	120	5600	126	5630
	122	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138	5690	144	5720
	142	5710		

## 2.2 Test Mode

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

### MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0
802.11ac VHT160	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

Co-location
LTE B42 Link + 11ax HE80_Tx_CH106 Partial RU 484/65
LTE B42 link + BLE_Tx_CH39 + 11ax HE80_Tx_CH106 Partial RU 484/65
LTE B42 link +11ax HE20_Tx_CH11 + 11ax HE80_Tx_CH106 Partial RU 484/65

Test Cases	
AC Conducted Emission	Mode 1 : GSM 850 Idle + Bluetooth Link + WLAN Link(5G) + USB Cable 1(Charging from Adapter 1) + Battery 1
<b>Remark:</b> 1. For Radiated Test Cases, The tests were performance with Adapter1 and USB Cable1.	



Ch. #		U-NII-1 : 5180-5240 MHz	U-NII-2A : 5260-5320 MHz	U-NII-2C : 5500- 5720 MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

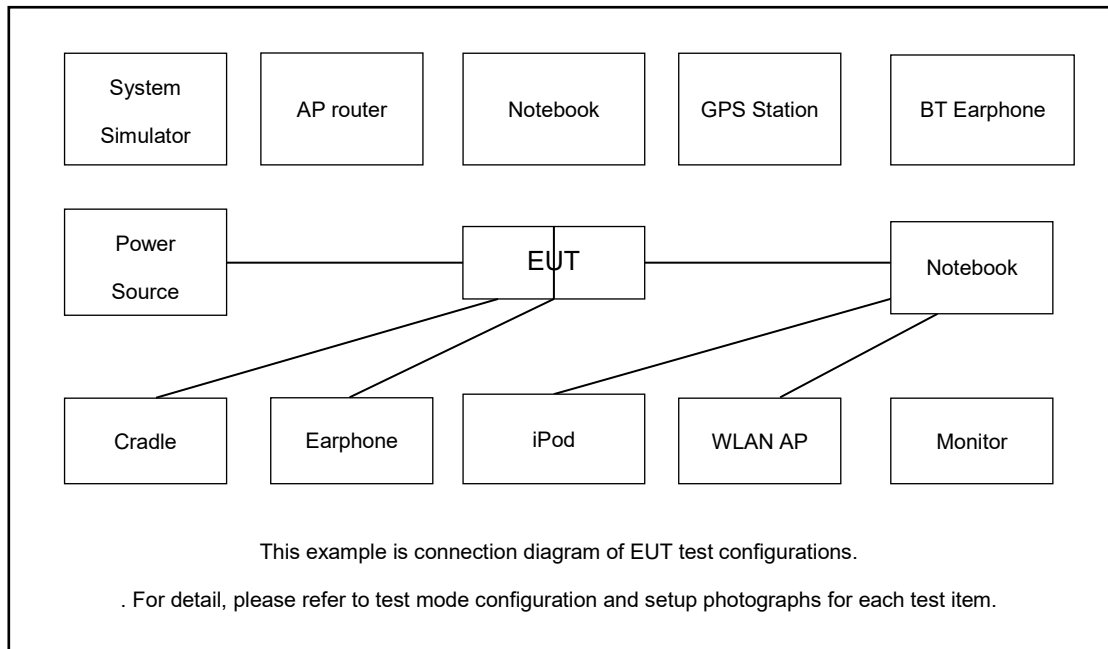
Ch. #		U-NII-1 : 5180-5240 MHz	U-NII-2A : 5260-5320 MHz	U-NII-2C : 5500- 5720 MHz
		11ac/ax VHT20/HE20	11ac/ax VHT20/HE20	11ac/ax VHT20/HE20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		U-NII-1 : 5180-5240 MHz	U-NII-2A : 5260-5320 MHz	U-NII-2C : 5500- 5720 MHz
		11ac/ax VHT40/HE40	11ac/ax VHT40/HE40	11ac/ax VHT40/HE40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		U-NII-1 : 5180-5240 MHz	U-NII-2A : 5260-5320 MHz	U-NII-2C : 5500- 5720 MHz
		11ac/ax VHT80/HE80	11ac/ax VHT80/HE80	11ac/ax VHT80/HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

Ch. #		U-NII-1& U-NII-2A : 5180-5320 MHz	U-NII-2C : 5500- 5720 MHz
		11ac/ax VHT160/HE160	11ac/ax VHT160/HE160
L	Low	-	-
M	Middle	50	114
H	High	-	-

### 2.3 Connection Diagram of Test System



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

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Base Station(LTE)	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	WLAN AP	Dlink	DIR-820L	KA2IR820LA1	N/A	Unshielded,1.8m
3.	NOTE BOOK	Lenovo	E540	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Bluetooth Earphone	Samsung	EO-MG900	PYAHS-107W	N/A	N/A



## 2.5 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuous transmit.

For AC power line conducted emissions, the EUT was set to connect with the WLAN AP under large package sizes transmission.

## 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 2.8 dB and 10 dB attenuator.

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 2.8 + 10 = 12.8 \text{ (dB)} \end{aligned}$$

### 3 Test Result

#### 3.1 26dB & 99% Occupied Bandwidth Measurement

##### 3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

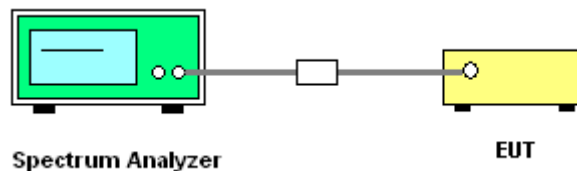
##### 3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 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
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1% to 5% of the OBW and set the Video bandwidth (VBW)  $\geq 3 * RBW$ .
8. Measure and record the results in the test report.

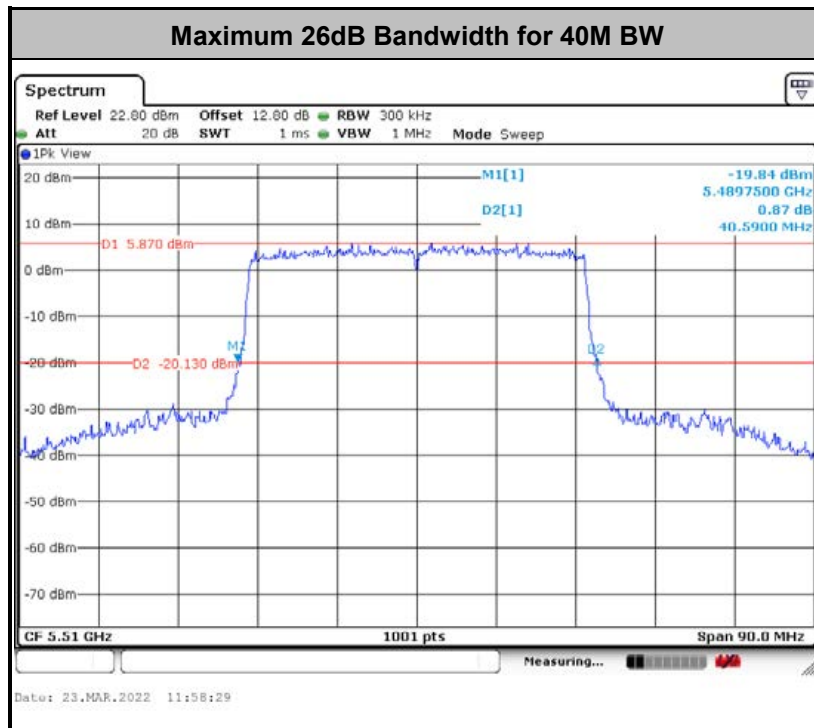
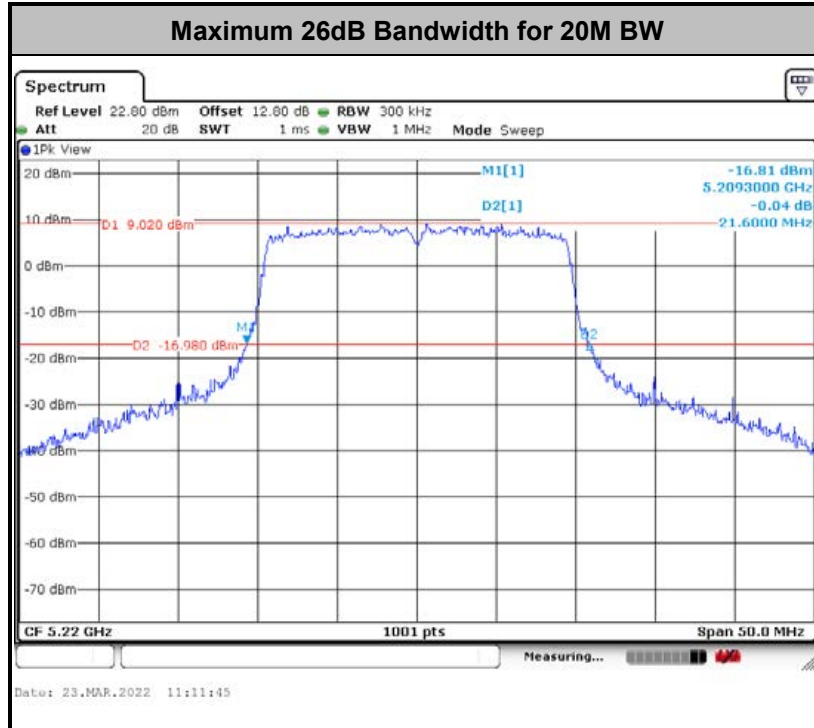
##### 3.1.4 Test Setup



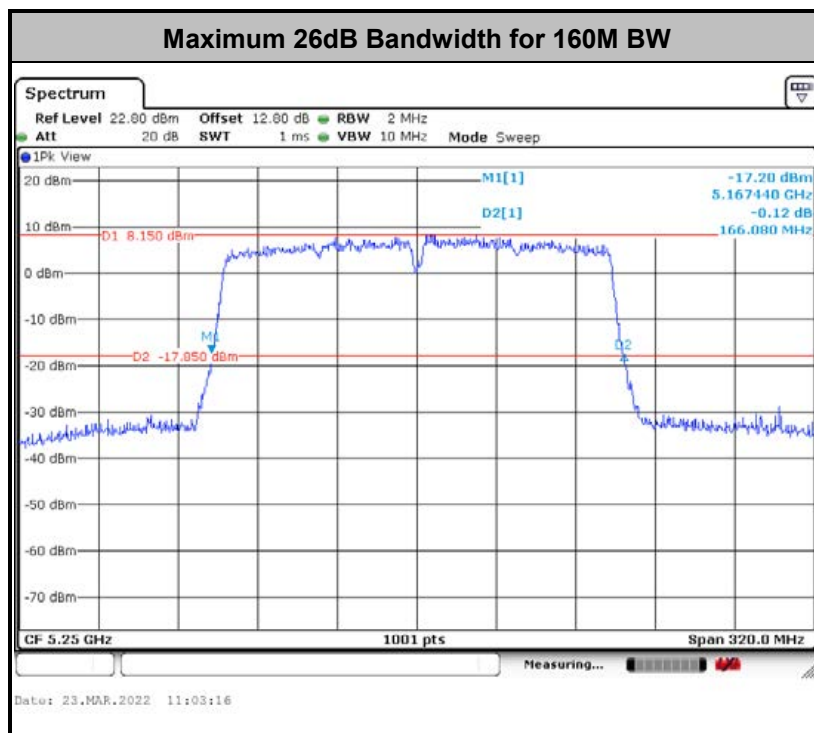
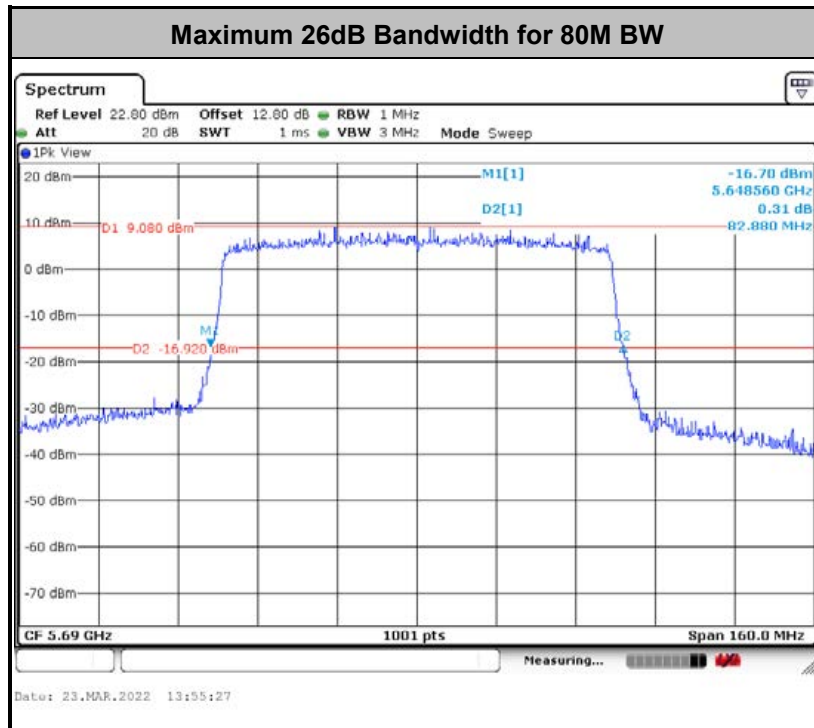


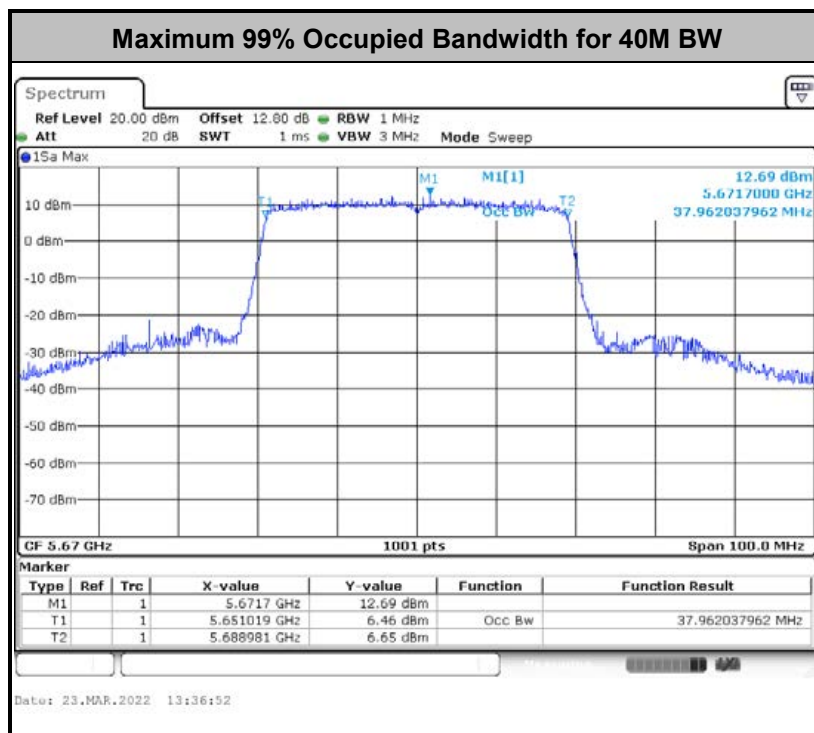
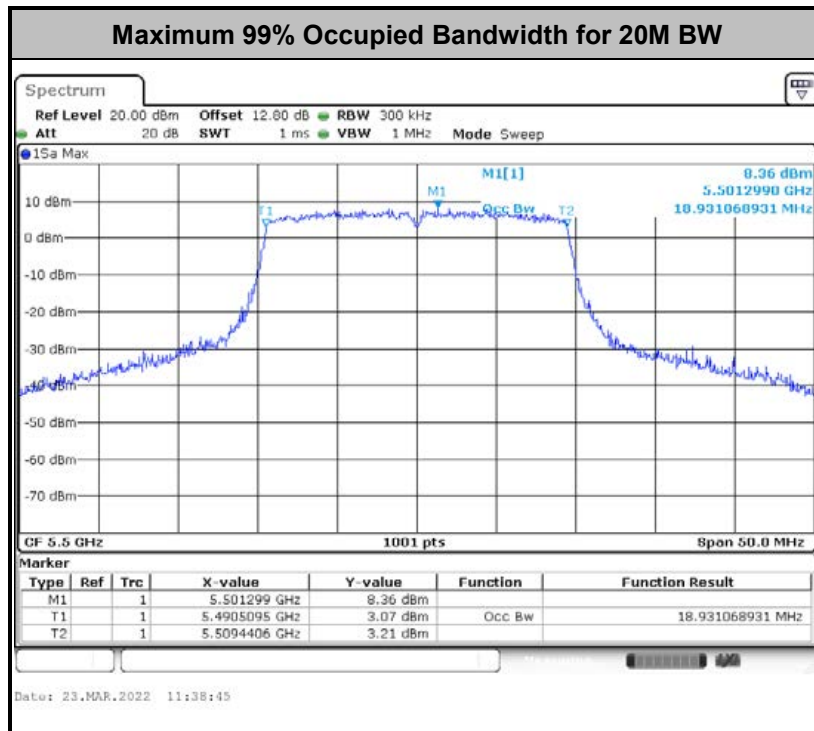
### 3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

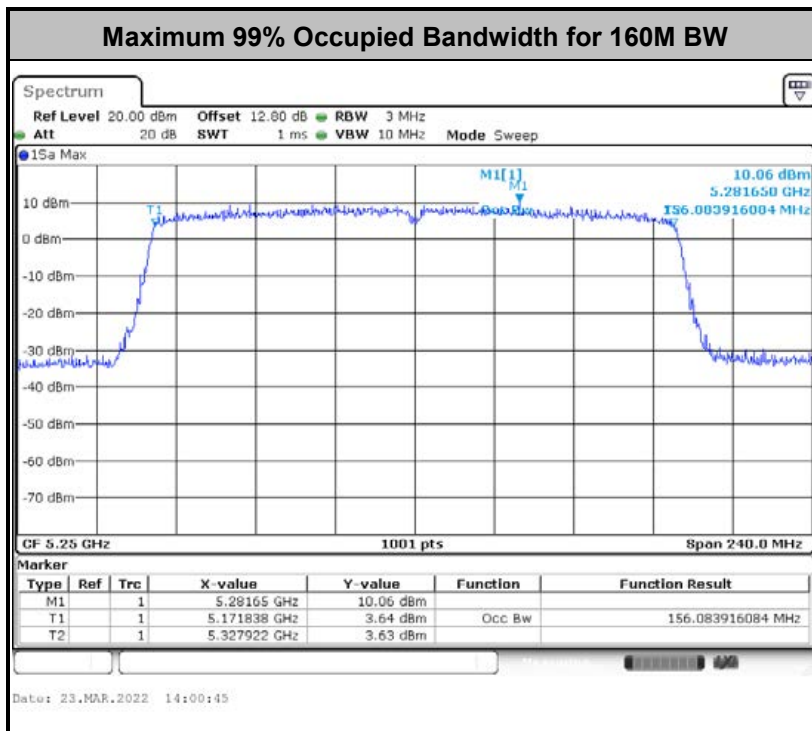
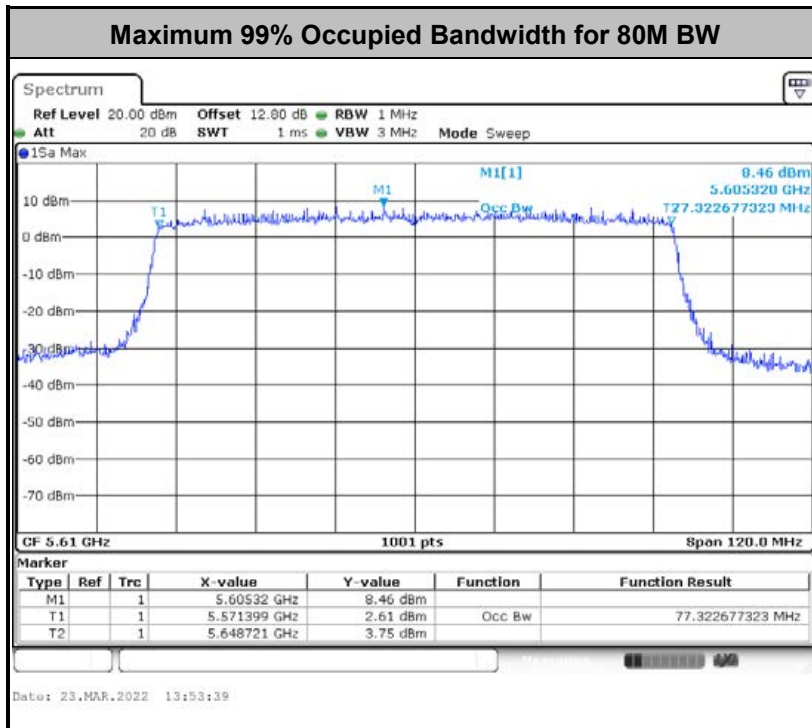
Please refer to Appendix A.











**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

**<FCC 14-30 CFR 15.407>**

For mobile and portable client devices in the 5.15 – 5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW.

For the 5.25–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm  $10 \log B$ , where B is the 26 dB emission bandwidth in megahertz.

For the 5.47–5.6 GHz and 5.65–5.725 GHz band, the maximum conducted output power shall not exceed 250 mW or  $11 + 10 \log_{10} B$ , dBm, whichever power is less. The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log_{10} B$ , dBm, whichever is less. B is the 99% emission bandwidth in megahertz.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

### 3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.2.3 Test Procedures

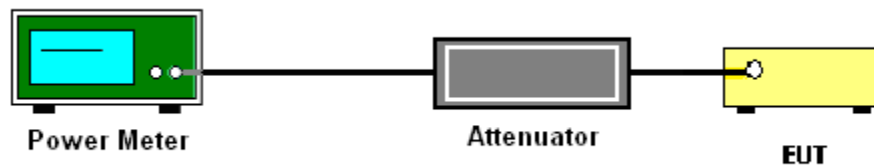
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor,  $10 \log(1/x)$ , where  $x$  is the duty cycle.
4. For MIMO mode, the measure-and-sum technique should be used for measuring the in-band transmit power of a device.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



### 3.3 Power Spectral Density Measurement

#### 3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For mobile and portable client devices in the 5.15 – 5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

For the 5.25–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the 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

The measuring equipment is listed in the section 4 of this test report.

### 3.3.3 Test Procedures

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

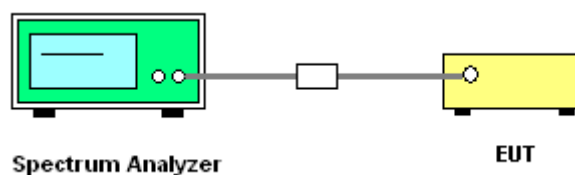
Section F) Maximum power spectral density.

#### # Method SA-2 #

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

- Measure the duty cycle.
  - Set span to encompass the entire emission bandwidth (EBW) of the signal.
  - Set RBW = 1 MHz.
  - Set VBW  $\geq$  3 MHz.
  - Number of points in sweep  $\geq$  2 Span / RBW.
  - Sweep time = auto.
  - Detector = RMS
  - Trace average at least 100 traces in power averaging mode.
  - Add  $10 \log(1/x)$ , where  $x$  is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add  $10 \log(1/0.25) = 6$  dB if the duty cycle is 25 percent.
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.

### 3.3.4 Test Setup

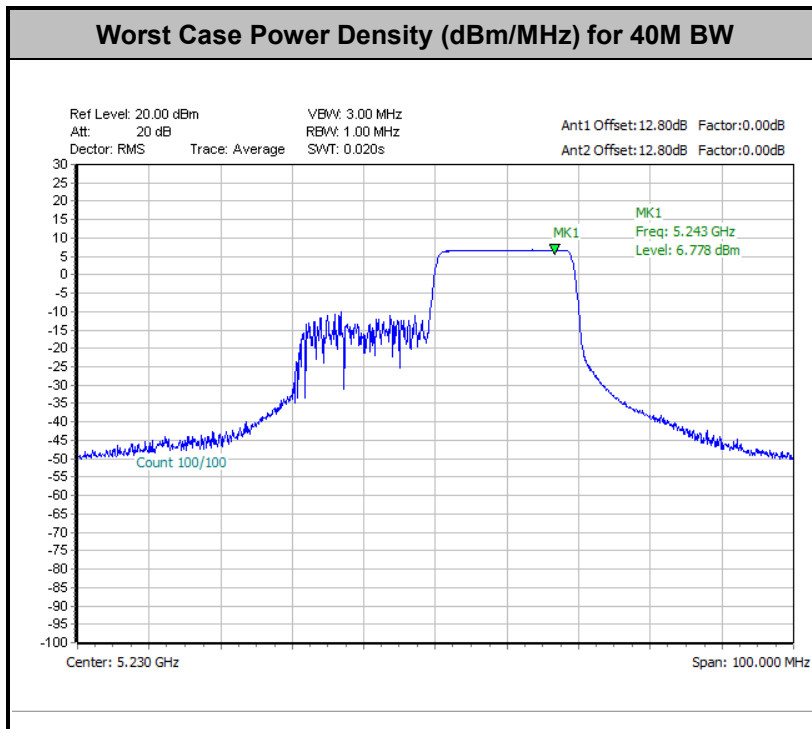
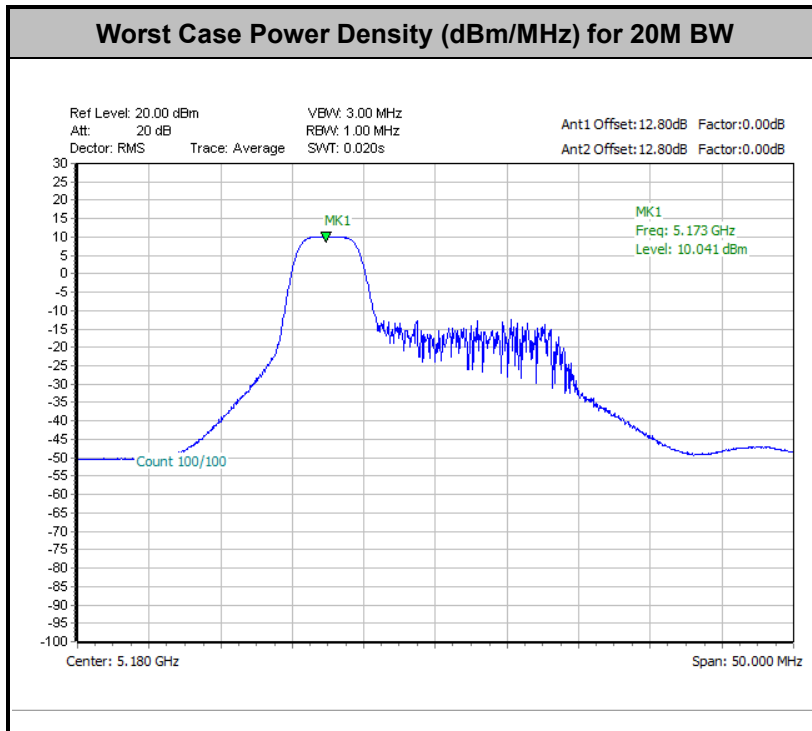


### 3.3.5 Test Result of Power Spectral Density

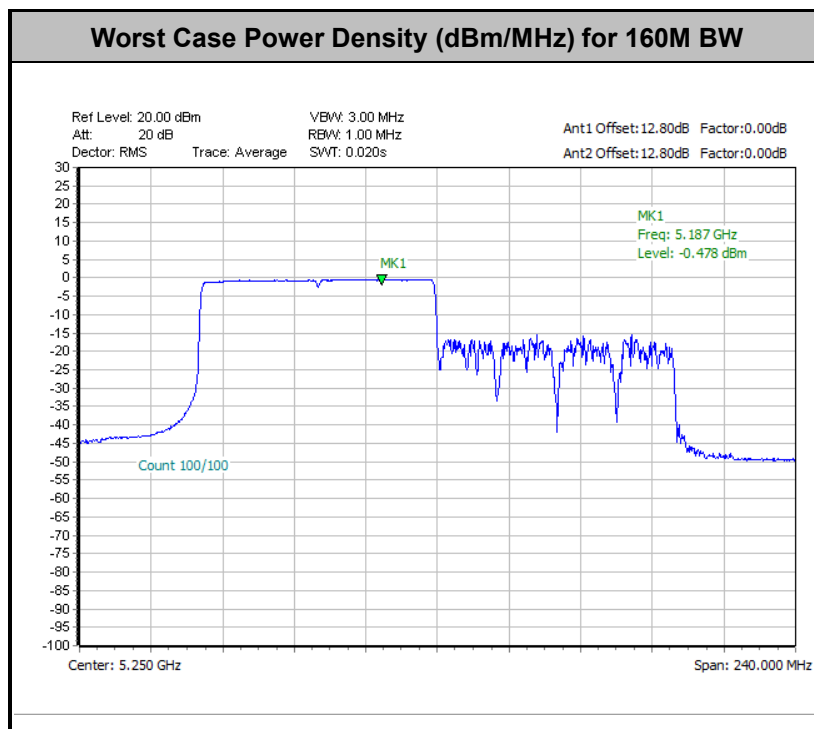
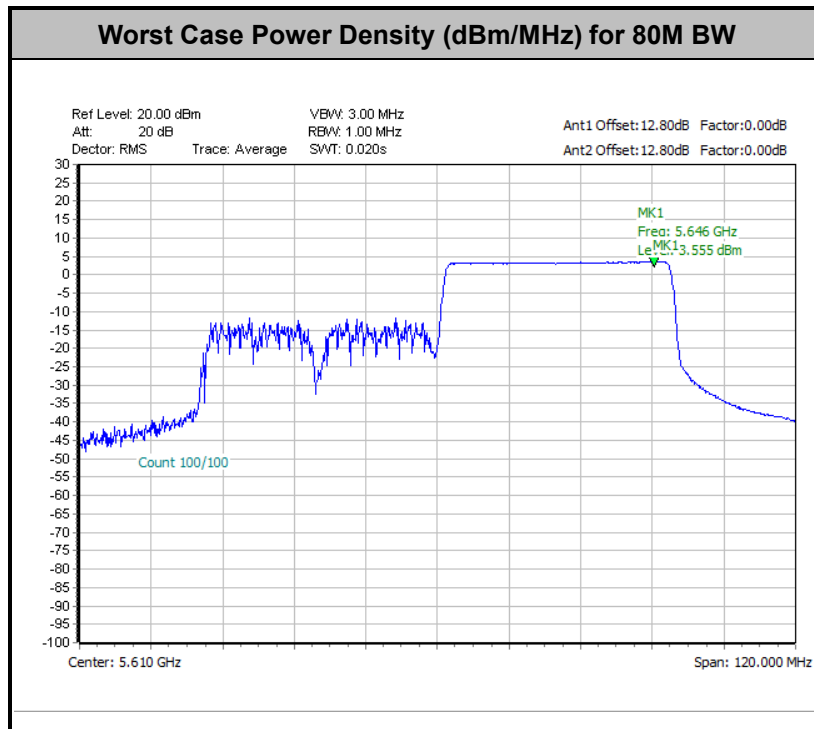
Please refer to Appendix A.



<CDD Modes>







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



### 3.4 Unwanted Emissions Measurement

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

#### 3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5725 MHz band: all emissions outside of the 5470-5725 MHz band shall not exceed an EIRP of -27 dBm/MHz.

- (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



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

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

$$EIRP = E_{Meas} + 20\log (d_{Meas}) - 104.7$$

where

EIRP is the equivalent isotropically radiated power, in dBm

E<sub>Meas</sub> is the field strength of the emission at the measurement distance, in dBμV/m

d<sub>Meas</sub> is the measurement distance, in m

(3) ANSI C63.10-2013 clause 12.7.3 note 97

As specified by regulatory requirements, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit. However, an out-of-band emission that complies with both the average and peak general regulatory limits is not required to satisfy the peak emission limit.

### 3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

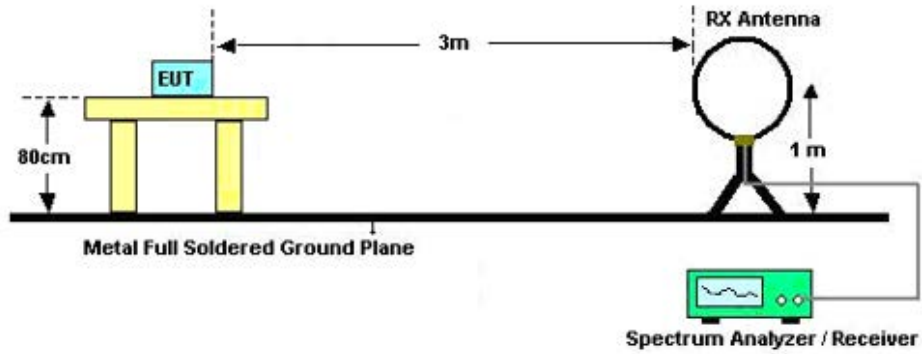


### 3.4.3 Test Procedures

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 1000MHz
    - 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 1000MHz
    - 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 1GHz and 1.5 meter for frequency above 1GHz 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 1GHz, 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 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak 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.

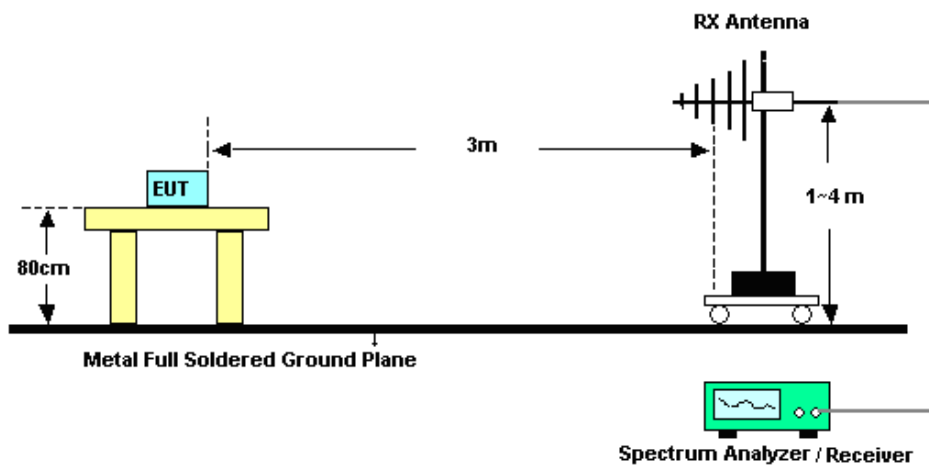
### 3.4.4 Test Setup

For radiated emissions below 30MHz



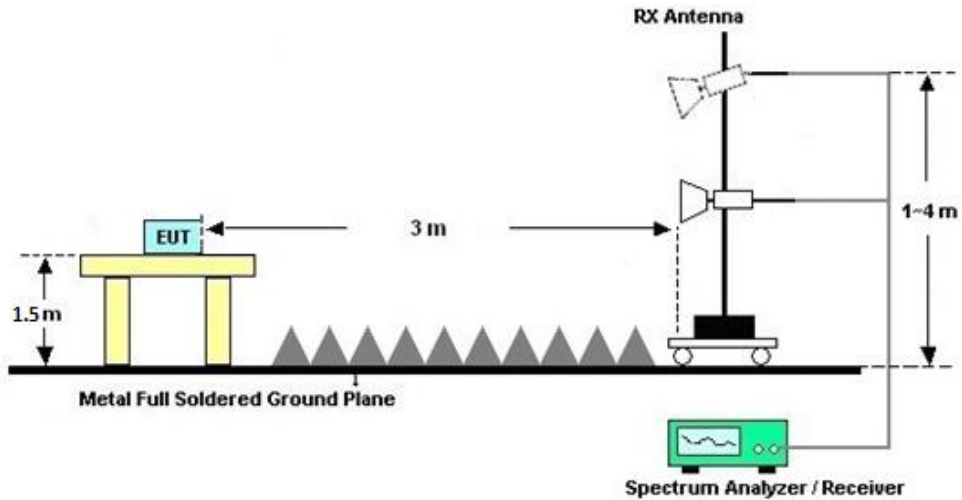
For radiated emissions from 30MHz to 1GHz

<CDD Mode>



For radiated emissions above 1GHz

<CDD Mode>



### 3.4.5 Test Results of Radiated Spurious 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 semi-Anechoic chamber, and the result came out very similar.

### 3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

### 3.4.7 Duty Cycle

Please refer to Appendix D.

### 3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix C.



### 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 (dBµV)	
	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.

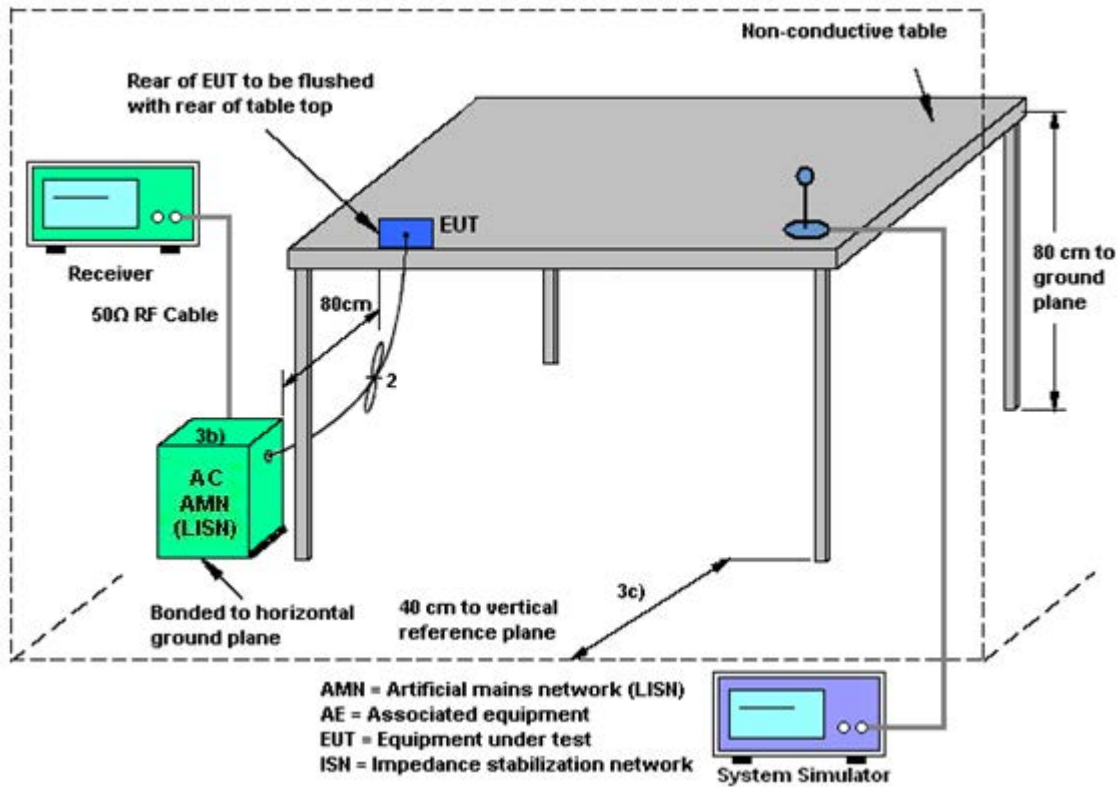
#### 3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 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 should 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 Antenna Requirements

#### 3.6.1 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.

#### 3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

#### 3.6.3 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>						
	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-3.00	-3.00	-3.00	0.01	0.00	0.00
Band II	-3.00	-3.00	-3.00	0.01	0.00	0.00
Band III	-3.00	-3.00	-3.00	0.01	0.00	0.00

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

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



## 4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Mar. 06, 2022	Mar. 26, 2022	Mar. 05, 2023	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2 LISN	00103912	9kHz~30MHz	Dec. 25, 2020	Mar. 26, 2022	Dec 24, 2021	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 15, 2020	Mar. 26, 2022	Oct. 14, 2021	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 21, 2020	Mar. 26, 2022	Jul. 20, 2021	Conduction (CO01-SZ)
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 08, 2021	Mar. 21, 2022~Mar. 23, 2022	Apr. 07, 2022	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 22, 2020	Mar. 21, 2022~Mar. 23, 2022	Jul. 21, 2021	Conducted (TH01-SZ)
Power Sensor	Anritsu	MA24440A	11707	50MHz~40GHz	Jun. 04, 2021	Mar. 21, 2022~Mar. 23, 2022	Jun.03, 2022	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 06, 2022	Apr. 08, 2022	Apr. 05, 2023	Radiation (03CH03-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 06, 2022	Apr. 08, 2022	Apr. 05, 2023	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	Apr. 08, 2022	Jun. 21, 2022	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Jun. 22, 2020	Apr. 08, 2022	Jun. 21, 2022	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 25 2021	Apr. 08, 2022	Apr. 24 2022	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Oct. 22,2021	Apr. 08, 2022	Oct. 21,2022	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 11, 2021	Apr. 08, 2022	Apr. 10, 2022	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz~3000MHz	Oct. 22, 2021	Apr. 08, 2022	Oct. 21, 2022	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 22, 2021	Apr. 08, 2022	Oct. 21, 2022	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5 GHz	Dec. 30, 2021	Apr. 08, 2022	Dec. 29, 2022	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Apr. 08, 2022	NCR	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Apr. 08, 2022	NCR	Radiation (03CH03-SZ)

NCR: No Calibration Required



## 5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.2 dB
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.0 dB
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.9 dB
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.0 dB
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----- THE END -----



## **Appendix A. Conducted Test Results**

## Appendix A. Test Result of Conducted Test Items

Test Engineer:	Zhang Xue Yi	Temperature:	21~25	°C
Test Date:	2022/3/23	Relative Humidity:	51~54	%

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

Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	16.43	16.43	19.90	19.70	-	-	22.16		
11a	6Mbps	2	44	5220	16.43	16.43	20.00	19.70	-	-	22.16		
11a	6Mbps	2	48	5240	16.43	16.43	19.95	19.70	-	-	22.16		
VHT20	MCS0	2	36	5180	17.63	17.58	21.15	21.00	-	-	22.45		
VHT20	MCS0	2	44	5220	17.63	17.58	20.85	20.95	-	-	22.45		
VHT20	MCS0	2	48	5240	17.58	17.58	21.00	20.90	-	-	22.45		
VHT40	MCS0	2	38	5190	36.36	36.26	39.42	39.24	-	-	23.01		
VHT40	MCS0	2	46	5230	36.26	36.16	39.51	39.42	-	-	23.01		
VHT80	MCS0	2	42	5210	75.40	75.40	82.56	81.92	-	-	23.01		
VHT160	MCS0	2	50	5250	154.41	154.65	166.08	165.12	-	-	23.01		
HE20	MCS0	2	36	5180	18.98	18.93	21.40	21.30	-	-	22.77		
HE20	MCS0	2	44	5220	18.98	18.93	21.60	21.05	-	-	22.77		
HE20	MCS0	2	48	5240	18.93	18.88	21.25	21.35	-	-	22.76		
HE40	MCS0	2	38	5190	37.96	37.96	40.23	40.05	-	-	23.01		
HE40	MCS0	2	46	5230	37.96	37.96	40.41	40.14	-	-	23.01		
HE80	MCS0	2	42	5210	77.32	77.20	82.40	82.08	-	-	23.01		
HE160	MCS0	2	50	5250	155.84	156.08	165.12	165.44	-	-	23.01		

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

FCC Band I															
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	Full	5180	0.04	0.04	17.57	17.81	20.71	24.00	-3.00		Pass	
11a	6Mbps	2	44	Full	5220	0.04	0.04	17.52	17.77	20.66	24.00	-3.00		Pass	
11a	6Mbps	2	48	Full	5240	0.04	0.04	17.76	17.58	20.69	24.00	-3.00		Pass	
HT20	MCS0	2	36	Full	5180	0.00	0.00	17.62	17.73	20.69	24.00	-3.00		Pass	
HT20	MCS0	2	44	Full	5220	0.00	0.00	17.61	17.55	20.59	24.00	-3.00		Pass	
HT20	MCS0	2	48	Full	5240	0.00	0.00	17.57	17.52	20.56	24.00	-3.00		Pass	
HT40	MCS0	2	38	Full	5190	0.00	0.00	16.56	16.65	19.62	24.00	-3.00		Pass	
HT40	MCS0	2	46	Full	5230	0.00	0.00	16.55	16.58	19.58	24.00	-3.00		Pass	
VHT20	MCS0	2	36	Full	5180	0.00	0.00	17.70	17.79	20.76	24.00	-3.00		Pass	
VHT20	MCS0	2	44	Full	5220	0.00	0.00	17.69	17.61	20.66	24.00	-3.00		Pass	
VHT20	MCS0	2	48	Full	5240	0.00	0.00	17.65	17.58	20.63	24.00	-3.00		Pass	
VHT40	MCS0	2	38	Full	5190	0.00	0.00	16.62	16.71	19.68	24.00	-3.00		Pass	
VHT40	MCS0	2	46	Full	5230	0.00	0.00	16.63	16.65	19.65	24.00	-3.00		Pass	
VHT80	MCS0	2	42	Full	5210	0.00	0.00	16.18	16.09	19.15	24.00	-3.00		Pass	
VHT160	MCS0	2	50	Full	5250	0.00	0.00	15.57	15.53	18.56	24.00	-3.00		Pass	
HE20	MCS0	2	36	Full	5180	0.00	0.00	17.08	17.15	20.13	24.00	-3.00		Pass	
				26/0		0.00	0.00	9.95	10.07	13.02	24.00	-3.00		Pass	
				52/37		0.00	0.00	13.20	13.23	16.23	24.00	-3.00		Pass	
				106/53		0.00	0.00	15.94	15.95	18.96	24.00	-3.00		Pass	
			44	Full	5220	0.00	0.00	17.02	17.12	20.08	24.00	-3.00		Pass	
				Full		0.00	0.00	17.11	17.03	20.08	24.00	-3.00		Pass	
				26/8		0.00	0.00	10.35	9.86	13.12	24.00	-3.00		Pass	
				52/40		0.00	0.00	13.09	12.83	15.97	24.00	-3.00		Pass	
				106/54		0.00	0.00	16.25	15.93	19.10	24.00	-3.00		Pass	
				Full		0.00	0.00	16.12	16.31	19.23	24.00	-3.00		Pass	
HE40	MCS0	2	38	Full	5190	0.00	0.00	16.42	16.34	19.39	24.00	-3.00		Pass	
				242/61		0.00	0.00	16.25	16.16	19.22	24.00	-3.00		Pass	
			46	Full	5230	0.00	0.00	16.64	16.35	19.51	24.00	-3.00		Pass	
				242/62		0.00	0.00	15.61	15.56	18.60	24.00	-3.00		Pass	
HE80	MCS0	2	42	Full	5210	0.00	0.00	16.12	15.97	19.06	24.00	-3.00		Pass	
				484/65		0.00	0.00	16.32	15.85	19.10	24.00	-3.00		Pass	
				484/66		0.00	0.00	15.19	15.06	18.14	24.00	-3.00		Pass	
HE160	MCS0	2	50	Full	5250	0.00	0.00	15.31	15.11	18.22	24.00	-3.00		Pass	
				996/67		0.00	0.00	15.31	15.11	18.22	24.00	-3.00		Pass	

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

FCC Band I															
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	Full	5180	0.04	0.04			8.67	11.00	0.01		Pass	
11a	6Mbps	2	44	Full	5220	0.04	0.04			8.50	11.00	0.01		Pass	
11a	6Mbps	2	48	Full	5240	0.04	0.04			8.48	11.00	0.01		Pass	
VHT20	MCS0	2	36	Full	5180	0.00	0.00			8.07	11.00	0.01		Pass	
VHT20	MCS0	2	44	Full	5220	0.00	0.00			8.20	11.00	0.01		Pass	
VHT20	MCS0	2	48	Full	5240	0.00	0.00			8.10	11.00	0.01		Pass	
VHT40	MCS0	2	38	Full	5190	0.00	0.00			4.65	11.00	0.01		Pass	
VHT40	MCS0	2	46	Full	5230	0.00	0.00			4.20	11.00	0.01		Pass	
VHT80	MCS0	2	42	Full	5210	0.00	0.00			0.94	11.00	0.01		Pass	
VHT160	MCS0	2	50	Full	5250	0.00	0.00			-2.91	11.00	0.01		Pass	
HE20	MCS0	2	36	Full	5180	0.00	0.00			7.12	11.00	0.01		Pass	
				26/0		0.00	0.00			9.77	11.00	0.01		Pass	
				52/37		0.00	0.00			10.04	11.00	0.01		Pass	
				106/53		0.00	0.00			9.78	11.00	0.01		Pass	
HE20	MCS0	2	44	Full	5220	0.00	0.00			7.13	11.00	0.01		Pass	
HE20	MCS0	2	48	Full	5240	0.00	0.00			7.23	11.00	0.01		Pass	
				26/8		0.00	0.00			10.01	11.00	0.01		Pass	
				52/40		0.00	0.00			9.90	11.00	0.01		Pass	
				106/54		0.00	0.00			10.01	11.00	0.01		Pass	
HE40	MCS0	2	38	Full	5190	0.00	0.00			3.81	11.00	0.01		Pass	
				242/61		0.00	0.00			6.70	11.00	0.01		Pass	
HE40	MCS0	2	46	Full	5230	0.00	0.00			3.81	11.00	0.01		Pass	
				242/62		0.00	0.00			6.78	11.00	0.01		Pass	
HE80	MCS0	2	42	Full	5210	0.00	0.00			-0.46	11.00	0.01		Pass	
				484/65		0.00	0.00			3.31	11.00	0.01		Pass	
				484/66		0.00	0.00			3.43	11.00	0.01		Pass	
HE160	MCS0	2	50	Full	5250	0.00	0.00			-3.59	11.00	0.01		Pass	
				996/67		0.00	0.00			-0.48	11.00	0.01		Pass	



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

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.38	16.43	20.20	19.75	23.14		29.14		23.96		
11a	6Mbps	2	60	5300	16.43	16.43	20.00	19.65	23.16		29.16		23.93		
11a	6Mbps	2	64	5320	16.43	16.38	20.00	19.70	23.14		29.14		23.94		
VHT20	MCS0	2	52	5260	17.58	17.58	20.85	20.65	23.45		29.45		23.98		
VHT20	MCS0	2	60	5300	17.63	17.58	21.10	21.05	23.45		29.45		23.98		
VHT20	MCS0	2	64	5320	17.63	17.58	21.30	21.00	23.45		29.45		23.98		
VHT40	MCS0	2	54	5270	36.16	36.26	39.24	39.15	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.26	36.26	39.51	39.51	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.40	75.52	82.56	81.76	23.98		30.00		23.98		
HE20	MCS0	2	52	5260	18.93	18.93	21.30	21.45	23.77		29.77		23.98		
HE20	MCS0	2	60	5300	18.98	18.88	21.55	21.55	23.76		29.76		23.98		
HE20	MCS0	2	64	5320	18.98	18.93	21.25	21.50	23.77		29.77		23.98		
HE40	MCS0	2	54	5270	37.96	37.96	40.23	39.96	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	37.96	37.96	39.87	40.14	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	77.20	77.32	82.24	82.40	23.98		30.00		23.98		

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

FCC Band II																
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	Full	5260	0.04	0.04	17.79	17.54	20.68	23.96	-3.00	26.99	Pass		
11a	6Mbps	2	60	Full	5300	0.04	0.04	17.59	17.56	20.59	23.93	-3.00	26.99	Pass		
11a	6Mbps	2	64	Full	5320	0.04	0.04	17.60	17.52	20.58	23.94	-3.00	26.99	Pass		
HT20	MCS0	2	52	Full	5260	0.00	0.00	17.62	17.50	20.57	23.98	-3.00	26.99	Pass		
HT20	MCS0	2	60	Full	5300	0.00	0.00	17.58	17.53	20.57	23.98	-3.00	26.99	Pass		
HT20	MCS0	2	64	Full	5320	0.00	0.00	17.63	17.55	20.60	23.98	-3.00	26.99	Pass		
HT40	MCS0	2	54	Full	5270	0.00	0.00	15.15	15.02	18.10	23.98	-3.00	26.99	Pass		
HT40	MCS0	2	62	Full	5310	0.00	0.00	15.19	15.08	18.15	23.98	-3.00	26.99	Pass		
VHT20	MCS0	2	52	Full	5260	0.00	0.00	17.70	17.56	20.64	23.98	-3.00	26.99	Pass		
VHT20	MCS0	2	60	Full	5300	0.00	0.00	17.66	17.59	20.64	23.98	-3.00	26.99	Pass		
VHT20	MCS0	2	64	Full	5320	0.00	0.00	17.71	17.61	20.67	23.98	-3.00	26.99	Pass		
VHT40	MCS0	2	54	Full	5270	0.00	0.00	16.14	16.03	19.10	23.98	-3.00	26.99	Pass		
VHT40	MCS0	2	62	Full	5310	0.00	0.00	16.13	16.09	19.12	23.98	-3.00	26.99	Pass		
VHT80	MCS0	2	58	Full	5290	0.00	0.00	15.15	15.06	18.12	23.98	-3.00	26.99	Pass		
HE20	MCS0	2	52	Full	5260	0.00	0.00	17.15	17.07	20.12	23.98	-3.00	26.99	Pass		
				26/0		0.00	0.00	10.25	9.83	13.06	23.98	-3.00	26.99	Pass		
				52/37		0.00	0.00	12.86	12.76	15.82	23.98	-3.00	26.99	Pass		
				106/53		0.00	0.00	16.13	15.84	19.00	23.98	-3.00	26.99	Pass		
			60	Full	5300	0.00	0.00	17.16	17.09	20.14	23.98	-3.00	26.99	Pass		
				26/8		0.00	0.00	10.02	9.73	12.89	23.98	-3.00	26.99	Pass		
				52/40		0.00	0.00	12.73	12.65	15.70	23.98	-3.00	26.99	Pass		
				106/54		0.00	0.00	15.95	15.75	18.86	23.98	-3.00	26.99	Pass		
				64		Full	5320	0.00	0.00	16.37	16.04	19.22	23.98	-3.00	26.99	Pass
						242/61		0.00	0.00	16.47	16.18	19.34	23.98	-3.00	26.99	Pass
HE40	MCS0	2	54	Full	5270	0.00	0.00	16.21	16.06	19.15	23.98	-3.00	26.99	Pass		
				242/62		0.00	0.00	16.33	16.09	19.22	23.98	-3.00	26.99	Pass		
			62	Full	5310	0.00	0.00	15.12	15.08	18.11	23.98	-3.00	26.99	Pass		
				484/65		0.00	0.00	15.42	14.94	18.20	23.98	-3.00	26.99	Pass		
HE80	MCS0	2	58	Full	5290	0.00	0.00	15.12	15.08	18.11	23.98	-3.00	26.99	Pass		
				484/66		0.00	0.00	15.45	14.88	18.18	23.98	-3.00	26.99	Pass		

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

Band II															
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	Full	5260	0.04	0.04			8.40	11.00	0.01		Pass	
11a	6Mbps	2	60	Full	5300	0.04	0.04			8.24	11.00	0.01		Pass	
11a	6Mbps	2	64	Full	5320	0.04	0.04			8.24	11.00	0.01		Pass	
VHT20	MCS0	2	52	Full	5260	0.00	0.00			8.06	11.00	0.01		Pass	
VHT20	MCS0	2	60	Full	5300	0.00	0.00			7.91	11.00	0.01		Pass	
VHT20	MCS0	2	64	Full	5320	0.00	0.00			7.86	11.00	0.01		Pass	
VHT40	MCS0	2	54	Full	5270	0.00	0.00			3.44	11.00	0.01		Pass	
VHT40	MCS0	2	62	Full	5310	0.00	0.00			3.38	11.00	0.01		Pass	
VHT80	MCS0	2	58	Full	5290	0.00	0.00			-0.28	11.00	0.01		Pass	
				Full		0.00	0.00			7.12	11.00	0.01		Pass	
HE20	MCS0	2	52	26/0	5260	0.00	0.00			9.94	11.00	0.01		Pass	
				52/37		0.00	0.00			9.82	11.00	0.01		Pass	
				106/53		0.00	0.00			9.91	11.00	0.01		Pass	
HE20	MCS0	2	60	Full	5300	0.00	0.00			7.07	11.00	0.01		Pass	
				Full		0.00	0.00			7.02	11.00	0.01		Pass	
HE20	MCS0	2	64	26/8	5320	0.00	0.00			9.86	11.00	0.01		Pass	
				52/40		0.00	0.00			9.74	11.00	0.01		Pass	
				106/54		0.00	0.00			9.87	11.00	0.01		Pass	
HE40	MCS0	2	54	Full	5270	0.00	0.00			3.73	11.00	0.01		Pass	
				242/61		0.00	0.00			6.72	11.00	0.01		Pass	
HE40	MCS0	2	62	Full	5310	0.00	0.00			3.68	11.00	0.01		Pass	
				242/62		0.00	0.00			6.62	11.00	0.01		Pass	
HE80	MCS0	2	58	Full	5290	0.00	0.00			-1.30	11.00	0.01		Pass	
				484/65		0.00	0.00			2.57	11.00	0.01		Pass	
				484/66		0.00	0.00			2.58	11.00	0.01		Pass	

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

Band III															
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	100	5500	16.43	16.43	20.10	19.45	23.16	29.16	23.89				
11a	6Mbps	2	116	5580	16.43	16.38	20.05	19.70	23.14	29.14	23.94				
11a	6Mbps	2	140	5700	16.43	16.43	19.45	19.35	23.16	29.16	23.87				
11a	6Mbps	2	144	5720	16.43	16.43	19.45	19.60	23.16	29.16	23.89				
VHT20	MCS0	2	100	5500	17.58	17.58	21.10	20.60	23.45	29.45	23.98				
VHT20	MCS0	2	116	5580	17.63	17.58	21.15	20.90	23.45	29.45	23.98				
VHT20	MCS0	2	140	5700	17.63	17.58	20.80	20.80	23.45	29.45	23.98				
VHT20	MCS0	2	144	5720	17.58	17.58	20.90	20.90	23.45	29.45	23.98				
VHT40	MCS0	2	102	5510	36.26	36.26	39.51	39.60	23.98	30.00	23.98				
VHT40	MCS0	2	110	5550	36.46	36.26	40.05	39.51	23.98	30.00	23.98				
VHT40	MCS0	2	134	5670	36.36	36.26	39.60	39.69	23.98	30.00	23.98				
VHT40	MCS0	2	142	5710	36.26	36.36	39.60	39.60	23.98	30.00	23.98				
VHT80	MCS0	2	106	5530	75.40	75.40	82.40	82.08	23.98	30.00	23.98				
VHT80	MCS0	2	122	5610	75.52	75.52	82.40	82.72	23.98	30.00	23.98				
VHT80	MCS0	2	138	5690	75.52	75.52	82.56	82.24	23.98	30.00	23.98				
VHT160	MCS0	2	114	5570	154.41	154.41	165.12	164.80	23.98	30.00	23.98				
HE20	MCS0	2	100	5500	18.93	18.93	21.35	21.15	23.77	29.77	23.98				
HE20	MCS0	2	116	5580	18.93	18.93	21.35	21.40	23.77	29.77	23.98				
HE20	MCS0	2	140	5700	18.93	18.93	21.35	21.30	23.77	29.77	23.98				
HE20	MCS0	2	144	5720	18.93	18.93	21.60	21.25	23.77	29.77	23.98				
HE40	MCS0	2	102	5510	37.96	37.96	40.59	40.14	23.98	30.00	23.98				
HE40	MCS0	2	110	5550	37.96	37.96	40.14	40.32	23.98	30.00	23.98				
HE40	MCS0	2	134	5670	37.96	37.96	40.32	40.50	23.98	30.00	23.98				
HE40	MCS0	2	142	5710	37.96	37.86	40.32	40.32	23.98	30.00	23.98				
HE80	MCS0	2	106	5530	77.20	77.20	82.72	82.40	23.98	30.00	23.98				
HE80	MCS0	2	122	5610	77.32	77.32	82.72	82.40	23.98	30.00	23.98				
HE80	MCS0	2	138	5690	77.20	77.32	82.88	82.40	23.98	30.00	23.98				
HE160	MCS0	2	114	5570	155.60	155.84	164.80	164.80	23.98	30.00	23.98				

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

FCC Band III																		
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail		
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2				
11a	6Mbps	2	100	Full	5500	0.04	0.04	17.58	17.51	20.56	23.89		-3.00	26.99	Pass			
11a	6Mbps	2	116	Full	5580	0.04	0.04	17.55	17.64	20.61	23.94		-3.00	26.99	Pass			
11a	6Mbps	2	140	Full	5700	0.04	0.04	17.51	17.58	20.56	23.87		-3.00	26.99	Pass			
11a	6Mbps	2	144	Full	5720	0.04	0.04	17.52	17.55	20.55	23.89		-3.00	26.99	Pass			
HT20	MCS0	2	100	Full	5500	0.00	0.00	17.56	17.52	20.55	23.98		-3.00	26.99	Pass			
HT20	MCS0	2	116	Full	5580	0.00	0.00	17.62	17.57	20.61	23.98		-3.00	26.99	Pass			
HT20	MCS0	2	140	Full	5700	0.00	0.00	17.58	17.55	20.58	23.98		-3.00	26.99	Pass			
HT20	MCS0	2	144	Full	5720	0.00	0.00	17.53	17.57	20.56	23.98		-3.00	26.99	Pass			
HT40	MCS0	2	102	Full	5510	0.00	0.00	17.09	17.06	20.09	23.98		-3.00	26.99	Pass			
HT40	MCS0	2	110	Full	5550	0.00	0.00	17.13	17.07	20.11	23.98		-3.00	26.99	Pass			
HT40	MCS0	2	134	Full	5670	0.00	0.00	17.04	17.28	20.17	23.98		-3.00	26.99	Pass			
HT40	MCS0	2	142	Full	5710	0.00	0.00	17.03	17.15	20.10	23.98		-3.00	26.99	Pass			
VHT20	MCS0	2	100	Full	5500	0.00	0.00	17.64	17.58	20.62	23.98		-3.00	26.99	Pass			
VHT20	MCS0	2	116	Full	5580	0.00	0.00	17.70	17.63	20.68	23.98		-3.00	26.99	Pass			
VHT20	MCS0	2	140	Full	5700	0.00	0.00	17.66	17.61	20.65	23.98		-3.00	26.99	Pass			
VHT20	MCS0	2	144	Full	5720	0.00	0.00	17.61	17.63	20.63	23.98		-3.00	26.99	Pass			
VHT40	MCS0	2	102	Full	5510	0.00	0.00	17.15	17.11	20.14	23.98		-3.00	26.99	Pass			
VHT40	MCS0	2	110	Full	5550	0.00	0.00	17.21	17.13	20.18	23.98		-3.00	26.99	Pass			
VHT40	MCS0	2	134	Full	5670	0.00	0.00	17.09	17.35	20.23	23.98		-3.00	26.99	Pass			
VHT40	MCS0	2	142	Full	5710	0.00	0.00	17.08	17.19	20.15	23.98		-3.00	26.99	Pass			
VHT80	MCS0	2	106	Full	5530	0.00	0.00	16.05	16.14	19.11	23.98		-3.00	26.99	Pass			
VHT80	MCS0	2	122	Full	5610	0.00	0.00	16.11	16.06	19.10	23.98		-3.00	26.99	Pass			
VHT80	MCS0	2	138	Full	5690	0.00	0.00	16.06	16.17	19.13	23.98		-3.00	26.99	Pass			
VHT160	MCS0	2	114	Full	5570	0.00	0.00	16.08	16.13	19.12	23.98		-3.00	26.99	Pass			
HE20	MCS0	2	100	Full	5500	0.00	0.00	16.18	16.02	19.11	23.98		-3.00	26.99	Pass			
				26/0		0.00	0.00	9.36	9.07	12.23	23.98		-3.00	26.99	Pass			
				52/37		0.00	0.00	12.23	11.93	15.09	23.98		-3.00	26.99	Pass			
				106/53		0.00	0.00	15.25	14.96	18.12	23.98		-3.00	26.99	Pass			
			116	Full	5580	0.00	0.00	16.11	16.05	19.09	23.98		-3.00	26.99	Pass			
				26/8		0.00	0.00	16.14	16.06	19.11	23.98		-3.00	26.99	Pass			
				52/40		0.00	0.00	8.68	8.46	11.58	23.98		-3.00	26.99	Pass			
				106/54		0.00	0.00	11.35	11.47	14.42	23.98		-3.00	26.99	Pass			
			140	Full	5700	0.00	0.00	15.17	14.86	18.03	23.98		-3.00	26.99	Pass			
				26/8		0.00	0.00	16.02	16.09	19.07	23.98		-3.00	26.99	Pass			
				52/40		0.00	0.00	9.01	9.15	12.09	23.98		-3.00	26.99	Pass			
				106/54		0.00	0.00	12.11	11.92	15.03	23.98		-3.00	26.99	Pass			
144	Full	5720	0.00	0.00	15.06	14.89	17.99	23.98		-3.00	26.99	Pass						
	26/8		0.00	0.00	16.02	16.09	19.07	23.98		-3.00	26.99	Pass						
	52/40		0.00	0.00	9.01	9.15	12.09	23.98		-3.00	26.99	Pass						
	106/54		0.00	0.00	12.11	11.92	15.03	23.98		-3.00	26.99	Pass						
HE40	MCS0	2	102	Full	5510	0.00	0.00	16.19	16.03	19.12	23.98		-3.00	26.99	Pass			
				242/61		0.00	0.00	16.18	15.89	19.05	23.98		-3.00	26.99	Pass			
			110	Full	5550	0.00	0.00	16.17	16.05	19.12	23.98		-3.00	26.99	Pass			
				242/62		0.00	0.00	16.08	16.34	19.22	23.98		-3.00	26.99	Pass			
			134	Full	5670	0.00	0.00	16.18	16.21	19.21	23.98		-3.00	26.99	Pass			
				242/62		0.00	0.00	16.08	16.01	19.06	23.98		-3.00	26.99	Pass			
142	Full	5710	0.00	0.00	15.98	15.76	18.88	23.98		-3.00	26.99	Pass						
	242/62		0.00	0.00	15.98	15.76	18.88	23.98		-3.00	26.99	Pass						
HE80	MCS0	2	106	Full	5530	0.00	0.00	16.18	16.03	19.12	23.98		-3.00	26.99	Pass			
				484/65		0.00	0.00	15.96	15.68	18.83	23.98		-3.00	26.99	Pass			
			122	Full	5610	0.00	0.00	16.16	16.05	19.12	23.98		-3.00	26.99	Pass			
				484/66		0.00	0.00	16.53	16.08	19.32	23.98		-3.00	26.99	Pass			
			138	Full	5690	0.00	0.00	16.12	16.01	19.08	23.98		-3.00	26.99	Pass			
				484/66		0.00	0.00	16.15	15.71	18.95	23.98		-3.00	26.99	Pass			
			HE160	MCS0	2	114	Full	5570	0.00	0.00	15.55	15.62	18.60	23.98		-3.00	26.99	Pass
							996/67		0.00	0.00	15.00	15.06	18.04	23.98		-3.00	26.99	Pass

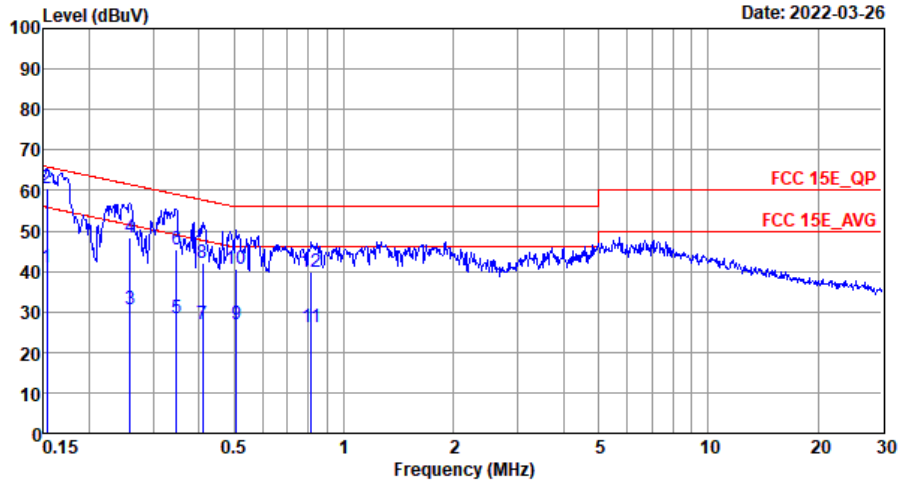
**TEST RESULTS DATA**  
**Power Spectral Density**

Band III															
Mod.	Data Rate	N <sub>TX</sub>	CH.		Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	100	Full	5500	0.04	0.04			8.16	11.00	0.01		Pass	
11a	6Mbps	2	116	Full	5580	0.04	0.04			8.52	11.00	0.01		Pass	
11a	6Mbps	2	140	Full	5700	0.04	0.04			8.17	11.00	0.01		Pass	
11a	6Mbps	2	144	Full	5720	0.04	0.04			8.07	11.00	0.01		Pass	
VHT20	MCS0	2	100	Full	5500	0.00	0.00			7.75	11.00	0.01		Pass	
VHT20	MCS0	2	116	Full	5580	0.00	0.00			7.85	11.00	0.01		Pass	
VHT20	MCS0	2	140	Full	5700	0.00	0.00			7.50	11.00	0.01		Pass	
VHT20	MCS0	2	144	Full	5720	0.00	0.00			7.31	11.00	0.01		Pass	
VHT40	MCS0	2	102	Full	5510	0.00	0.00			4.87	11.00	0.01		Pass	
VHT40	MCS0	2	110	Full	5550	0.00	0.00			5.06	11.00	0.01		Pass	
VHT40	MCS0	2	134	Full	5670	0.00	0.00			4.94	11.00	0.01		Pass	
VHT40	MCS0	2	142	Full	5710	0.00	0.00			5.01	11.00	0.01		Pass	
VHT80	MCS0	2	106	Full	5530	0.00	0.00			0.80	11.00	0.01		Pass	
VHT80	MCS0	2	122	Full	5610	0.00	0.00			0.88	11.00	0.01		Pass	
VHT80	MCS0	2	138	Full	5690	0.00	0.00			0.65	11.00	0.01		Pass	
VHT160	MCS0	2	114	Full	5570	0.00	0.00			-2.21	11.00	0.01		Pass	
HE20	MCS0	2	100	Full	5500	0.00	0.00			5.95	11.00	0.01		Pass	
				26/0		0.00	0.00	9.07	11.00	0.01		Pass			
				52/37		0.00	0.00	9.00	11.00	0.01		Pass			
				106/53		0.00	0.00	9.01	11.00	0.01		Pass			
HE20	MCS0	2	116	Full	5580	0.00	0.00			6.33	11.00	0.01		Pass	
HE20	MCS0	2	140	Full	5700	0.00	0.00			6.04	11.00	0.01		Pass	
				26/8		0.00	0.00	8.67	11.00	0.01		Pass			
				52/40		0.00	0.00	8.59	11.00	0.01		Pass			
				106/54		0.00	0.00	9.15	11.00	0.01		Pass			
HE20	MCS0	2	144	Full	5720	0.00	0.00			6.63	11.00	0.01		Pass	
				26/8		0.00	0.00	8.83	11.00	0.01		Pass			
				52/40		0.00	0.00	8.89	11.00	0.01		Pass			
				106/54		0.00	0.00	8.88	11.00	0.01		Pass			
HE40	MCS0	2	102	Full	5510	0.00	0.00			3.68	11.00	0.01		Pass	
				242/61		0.00	0.00			6.11	11.00	0.01		Pass	
HE40	MCS0	2	110	Full	5550	0.00	0.00			3.79	11.00	0.01		Pass	
HE40	MCS0	2	134	Full	5670	0.00	0.00			3.61	11.00	0.01		Pass	
				242/62		0.00	0.00			6.49	11.00	0.01		Pass	
HE40	MCS0	2	142	Full	5710	0.00	0.00			3.48	11.00	0.01		Pass	
				242/62		0.00	0.00			6.19	11.00	0.01		Pass	
HE80	MCS0	2	106	Full	5530	0.00	0.00			0.05	11.00	0.01		Pass	
				484/65		0.00	0.00			3.03	11.00	0.01		Pass	
HE80	MCS0	2	122	Full	5610	0.00	0.00			0.19	11.00	0.01		Pass	
				484/66		0.00	0.00			3.56	11.00	0.01		Pass	
HE80	MCS0	2	138	Full	5690	0.00	0.00			0.13	11.00	0.01		Pass	
				484/66		0.00	0.00			3.22	11.00	0.01		Pass	
HE160	MCS0	2	114	Full	5570	0.00	0.00			-2.82	11.00	0.01		Pass	
				996/67		0.00	0.00			-0.82	11.00	0.01		Pass	



## Appendix B. AC Conducted Emission Test Results

Test Engineer :	Xie YuQiang	Temperature :	22~25°C
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

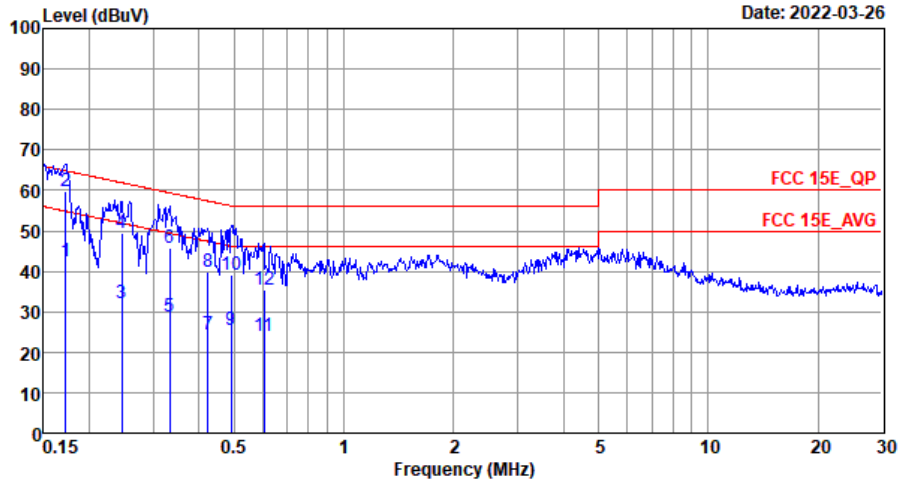


Site : CO01-SZ  
 Condition: FCC 15E\_QP LISN\_20210901\_L LINE

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	41.01	-14.81	55.82	20.00	10.20	10.81	Average
2 *	0.15	60.61	-5.21	65.82	39.60	10.20	10.81	QP
3	0.26	30.81	-20.66	51.47	10.00	10.18	10.63	Average
4	0.26	48.41	-13.06	61.47	27.60	10.18	10.63	QP
5	0.35	28.46	-20.59	49.05	7.20	10.08	11.18	Average
6	0.35	45.26	-13.79	59.05	24.00	10.08	11.18	QP
7	0.41	26.80	-20.84	47.64	5.20	10.10	11.50	Average
8	0.41	42.20	-15.44	57.64	20.60	10.10	11.50	QP
9	0.51	27.04	-18.96	46.00	5.10	10.12	11.82	Average
10	0.51	40.64	-15.36	56.00	18.70	10.12	11.82	QP
11	0.81	26.33	-19.67	46.00	5.50	10.11	10.72	Average
12	0.81	40.03	-15.97	56.00	19.20	10.11	10.72	QP



Test Engineer :	Xie YuQiang	Temperature :	22~25°C
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ  
 Condition: FCC 15E\_QP LISN\_20210901\_N NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.17	42.41	-12.45	54.86	21.60	10.30	10.51	Average
2 *	0.17	59.91	-4.95	64.86	39.10	10.30	10.51	QP
3	0.25	32.20	-19.71	51.91	11.41	10.25	10.54	Average
4	0.25	49.50	-12.41	61.91	28.71	10.25	10.54	QP
5	0.33	28.69	-20.71	49.40	7.41	10.18	11.10	Average
6	0.33	45.89	-13.51	59.40	24.61	10.18	11.10	QP
7	0.42	24.25	-23.12	47.37	2.50	10.19	11.56	Average
8	0.42	39.95	-17.42	57.37	18.20	10.19	11.56	QP
9	0.49	25.52	-20.62	46.14	3.50	10.19	11.83	Average
10	0.49	39.22	-16.92	56.14	17.20	10.19	11.83	QP
11	0.60	24.04	-21.96	46.00	2.39	10.24	11.41	Average
12	0.60	35.54	-20.46	56.00	13.89	10.24	11.41	QP

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)





## Appendix C. Radiated Spurious Emission

### Band 1 - 5150~5250MHz WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11a CH 36 5180MHz		5148.98	60.29	-13.71	74	51.46	34.2	7.48	32.85	121	23	P	H
		5150	42.71	-11.29	54	33.88	34.2	7.48	32.85	121	23	A	H
	*	5180	106.49	-	-	97.59	34.26	7.53	32.89	121	23	P	H
		5180	99.13	-	-	90.23	34.26	7.53	32.89	121	23	A	H
		5149.5	55.87	-18.13	74	47.04	34.2	7.48	32.85	357	229	P	V
		5149.76	42.72	-11.28	54	33.89	34.2	7.48	32.85	357	229	A	V
	*	5180	106.75	-	-	97.85	34.26	7.53	32.89	357	229	P	V
		5180	99.32	-	-	90.42	34.26	7.53	32.89	357	229	A	V
802.11a CH 44 5220MHz		5080.34	50.91	-23.09	74	42.3	33.96	7.38	32.73	107	22	P	H
		5150	37.48	-16.52	54	28.65	34.2	7.48	32.85	107	22	A	H
	*	5220	105.31	-	-	96.38	34.34	7.57	32.98	107	22	P	H
		5220	98.26	-	-	89.33	34.34	7.57	32.98	107	22	A	H
		5389.2	49.22	-24.78	74	40.25	34.5	7.7	33.23	107	22	P	H
		5439.6	36.58	-17.42	54	27.61	34.5	7.79	33.32	107	22	A	H
		5001.82	49.63	-24.37	74	41.1	33.9	7.23	32.6	374	236	P	V
		5070.2	37.43	-16.57	54	28.87	33.94	7.35	32.73	374	236	A	V
	*	5220	105.96	-	-	97.03	34.34	7.57	32.98	374	236	P	V
		5220	99.06	-	-	90.13	34.34	7.57	32.98	374	236	A	V
		5430.72	50.12	-23.88	74	41.15	34.5	7.79	33.32	374	236	P	V
		5440.08	36.51	-17.49	54	27.54	34.5	7.79	33.32	374	236	A	V



802.11a CH 48 5240MHz		5021.58	49.66	-24.34	74	41.11	33.9	7.29	32.64	114	22	P	H
		5066.3	37.35	-16.65	54	28.8	33.93	7.35	32.73	114	22	A	H
	*	5240	106.47	-	-	97.48	34.38	7.59	32.98	114	22	P	H
		5240	98.88	-	-	89.89	34.38	7.59	32.98	114	22	A	H
		5457.84	49.13	-24.87	74	40.15	34.5	7.84	33.36	114	22	P	H
		5438.16	36.59	-17.41	54	27.62	34.5	7.79	33.32	114	22	A	H
		5130.26	49.61	-24.39	74	40.84	34.12	7.46	32.81	368	229	P	V
		5054.08	37.35	-16.65	54	28.8	33.91	7.32	32.68	368	229	A	V
	*	5240	105.24	-	-	96.25	34.38	7.59	32.98	368	229	P	V
		5240	98.62	-	-	89.63	34.38	7.59	32.98	368	229	A	V
		5439.36	48.66	-25.34	74	39.69	34.5	7.79	33.32	368	229	P	V
		5442.48	36.51	-17.49	54	27.54	34.5	7.79	33.32	368	229	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 1+2	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 36 5180MHz		10360	46.8	-21.5	68.3	51.99	37.19	10.8	53.18	202	0	P	H
		15540	50.63	-23.37	74	51.32	40.03	13.67	54.39	-	-	P	H
		10360	49.28	-19.02	68.3	54.47	37.19	10.8	53.18	-	-	P	V
		15540	51.34	-22.66	74	52.03	40.03	13.67	54.39	-	-	P	V
802.11a CH 44 5220MHz		10440	46.85	-21.45	68.3	52.03	37.25	10.84	53.27	-	-	P	H
		15660	51.89	-22.11	74	52.55	40.13	13.76	54.55	-	-	P	H
		10440	49.03	-19.27	68.3	54.21	37.25	10.84	53.27	-	-	P	V
		15660	50.91	-23.09	74	51.57	40.13	13.76	54.55	-	-	P	V
802.11a CH 48 5240MHz		10480	46.6	-21.7	68.3	51.79	37.28	10.87	53.34	-	-	P	H
		15720	49.82	-24.18	74	50.47	40.18	13.81	54.64	-	-	P	H
		10480	47.73	-20.57	68.3	52.92	37.28	10.87	53.34	-	-	P	V
		15720	50.4	-23.6	74	51.05	40.18	13.81	54.64	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT20 CH 36 5180MHz		5149.24	59.73	-14.27	74	50.9	34.2	7.48	32.85	100	23	P	H
		5150	45.5	-8.5	54	36.67	34.2	7.48	32.85	100	23	A	H
	*	5180	105.26	-	-	96.36	34.26	7.53	32.89	100	23	P	H
		5180	98.57	-	-	89.67	34.26	7.53	32.89	100	23	A	H
		5147.42	54.42	-19.58	74	45.6	34.19	7.48	32.85	377	222	P	V
		5150	43.74	-10.26	54	34.91	34.2	7.48	32.85	377	222	A	V
	*	5180	103.91	-	-	95.01	34.26	7.53	32.89	377	222	P	V
	5180	96.46	-	-	87.56	34.26	7.53	32.89	377	222	A	V	
802.11ac VHT20 CH 44 5220MHz		5080.34	50.71	-23.29	74	42.1	33.96	7.38	32.73	100	21	P	H
		5150	37.49	-16.51	54	28.66	34.2	7.48	32.85	100	21	A	H
	*	5220	105.41	-	-	96.48	34.34	7.57	32.98	100	21	P	H
		5220	97.53	-	-	88.6	34.34	7.57	32.98	100	21	A	H
		5441.04	49.34	-24.66	74	40.37	34.5	7.79	33.32	100	21	P	H
		5439.36	36.65	-17.35	54	27.68	34.5	7.79	33.32	100	21	A	H
		5010.14	50.2	-23.8	74	41.64	33.9	7.26	32.6	394	230	P	V
		5066.82	37.48	-16.52	54	28.93	33.93	7.35	32.73	394	230	A	V
	*	5220	104.98	-	-	96.05	34.34	7.57	32.98	394	230	P	V
		5220	97.57	-	-	88.64	34.34	7.57	32.98	394	230	A	V
		5383.44	48.67	-25.33	74	39.7	34.5	7.7	33.23	394	230	P	V
	5439.6	36.58	-17.42	54	27.61	34.5	7.79	33.32	394	230	A	V	



<b>802.11ac</b>  <b>VHT20</b>  <b>CH 48</b>  <b>5240MHz</b>		5106.08	50.2	-23.8	74	41.52	34.02	7.43	32.77	100	14	P	H
		5052.78	37.38	-16.62	54	28.83	33.91	7.32	32.68	100	14	A	H
	*	5240	105.7	-	-	96.71	34.38	7.59	32.98	100	14	P	H
		5240	97.54	-	-	88.55	34.38	7.59	32.98	100	14	A	H
		5373.36	48.87	-25.13	74	39.87	34.5	7.69	33.19	100	14	P	H
		5441.76	36.62	-17.38	54	27.65	34.5	7.79	33.32	100	14	A	H
		5019.24	49.85	-24.15	74	41.33	33.9	7.26	32.64	390	228	P	V
		5067.34	37.35	-16.65	54	28.8	33.93	7.35	32.73	390	228	A	V
	*	5240	105.15	-	-	96.16	34.38	7.59	32.98	390	228	P	V
		5240	97.11	-	-	88.12	34.38	7.59	32.98	390	228	A	V
		5412	48.18	-25.82	74	39.2	34.5	7.75	33.27	390	228	P	V
		5437.2	36.53	-17.47	54	27.56	34.5	7.79	33.32	390	228	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT20 CH 36 5180MHz		10360	46.35	-21.95	68.3	51.54	37.19	10.8	53.18	-	-	P	H
		15540	50.61	-23.39	74	51.3	40.03	13.67	54.39	-	-	P	H
		10360	47.37	-20.93	68.3	52.56	37.19	10.8	53.18	-	-	P	V
		15540	50.8	-23.2	74	51.49	40.03	13.67	54.39	-	-	P	V
802.11ac VHT20 CH 44 5220MHz		10440	46.57	-21.73	68.3	51.75	37.25	10.84	53.27	-	-	P	H
		15660	50.98	-23.02	74	51.64	40.13	13.76	54.55	-	-	P	H
		10440	47.18	-21.12	68.3	52.36	37.25	10.84	53.27	-	-	P	V
		15660	52.2	-21.8	74	52.86	40.13	13.76	54.55	-	-	P	V
802.11ac VHT20 CH 48 5240MHz		10480	47.82	-20.48	68.3	53.01	37.28	10.87	53.34	-	-	P	H
		15720	49.54	-24.46	74	50.19	40.18	13.81	54.64	-	-	P	H
		10480	47.22	-21.08	68.3	52.41	37.28	10.87	53.34	-	-	P	V
		15720	50.02	-23.98	74	50.67	40.18	13.81	54.64	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT40 CH 38 5190MHz		5135.72	54.8	-19.2	74	46.01	34.14	7.46	32.81	100	40	P	H
		5150	43.77	-10.23	54	34.94	34.2	7.48	32.85	100	40	A	H
	*	5190	101.83	-	-	92.91	34.28	7.53	32.89	100	40	P	H
		5190	93.39	-	-	84.47	34.28	7.53	32.89	100	40	A	H
		5438.16	48.01	-25.99	74	39.04	34.5	7.79	33.32	100	40	P	H
		5441.24	36.64	-17.36	54	27.67	34.5	7.79	33.32	100	40	A	H
		5137.54	55.07	-18.93	74	46.27	34.15	7.46	32.81	335	234	P	V
		5150	44.2	-9.8	54	35.37	34.2	7.48	32.85	335	234	A	V
	*	5190	101.87	-	-	92.95	34.28	7.53	32.89	335	234	P	V
		5190	94.16	-	-	85.24	34.28	7.53	32.89	335	234	A	V
		5443.48	48.35	-25.65	74	39.38	34.5	7.79	33.32	335	234	P	V
		5437.88	36.57	-17.43	54	27.6	34.5	7.79	33.32	335	234	A	V
802.11ac VHT40 CH 46 5230MHz		5081.12	49.97	-24.03	74	41.36	33.96	7.38	32.73	100	14	P	H
		5149.5	37.79	-16.21	54	28.96	34.2	7.48	32.85	100	14	A	H
	*	5230	101.33	-	-	92.36	34.36	7.59	32.98	100	14	P	H
		5230	93.41	-	-	84.44	34.36	7.59	32.98	100	14	A	H
		5367.84	49.06	-24.94	74	40.06	34.5	7.69	33.19	100	14	P	H
		5440.8	36.64	-17.36	54	27.67	34.5	7.79	33.32	100	14	A	H
		5040.56	49.58	-24.42	74	41.04	33.9	7.32	32.68	329	234	P	V
		5130.52	37.62	-16.38	54	28.85	34.12	7.46	32.81	329	234	A	V
	*	5230	100.3	-	-	91.33	34.36	7.59	32.98	329	234	P	V
		5230	94.08	-	-	85.11	34.36	7.59	32.98	329	234	A	V
	5455.44	48.67	-25.33	74	39.69	34.5	7.84	33.36	329	234	P	V	
	5440.56	36.62	-17.38	54	27.65	34.5	7.79	33.32	329	234	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT40 (Harmonic @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT40 CH 38 5190MHz		10380	46.46	-21.84	68.3	51.66	37.2	10.81	53.21	-	-	P	H
		15570	50.11	-23.89	74	50.79	40.06	13.7	54.44	-	-	P	H
		10380	46.7	-21.6	68.3	51.9	37.2	10.81	53.21	-	-	P	V
		15570	50.95	-23.05	74	51.63	40.06	13.7	54.44	-	-	P	V
802.11ac VHT40 CH 46 5230MHz		10460	46.24	-22.06	68.3	51.41	37.27	10.85	53.29	-	-	P	H
		15690	50.86	-23.14	74	51.52	40.15	13.79	54.6	-	-	P	H
		10460	47.23	-21.07	68.3	52.4	37.27	10.85	53.29	-	-	P	V
		15690	50.07	-23.93	74	50.73	40.15	13.79	54.6	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT80 CH 42 5210MHz		5141.96	57.56	-16.44	74	48.76	34.17	7.48	32.85	100	299	P	H
		5148.72	46.71	-7.29	54	37.89	34.19	7.48	32.85	100	299	A	H
	*	5210	100.58	-	-	91.63	34.32	7.57	32.94	100	299	P	H
		5210	91.5	-	-	82.55	34.32	7.57	32.94	100	299	A	H
		5425.2	49.11	-24.89	74	40.13	34.5	7.75	33.27	100	299	P	H
		5439.84	37.2	-16.8	54	28.23	34.5	7.79	33.32	100	299	A	H
		5134.42	54.25	-19.75	74	45.46	34.14	7.46	32.81	374	220	P	V
		5150	43.42	-10.58	54	34.59	34.2	7.48	32.85	374	220	A	V
	*	5210	96.93	-	-	87.98	34.32	7.57	32.94	374	220	P	V
		5210	89.8	-	-	80.85	34.32	7.57	32.94	374	220	A	V
		5436.72	48.2	-25.8	74	39.23	34.5	7.79	33.32	374	220	P	V
		5441.28	37	-17	54	28.03	34.5	7.79	33.32	374	220	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





**Band 1 5150~5250MHz**

**WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT80 CH 42 5210MHz		10420	46.2	-22.1	68.3	51.38	37.24	10.83	53.25	-	-	P	H
		15630	50.92	-23.08	74	51.6	40.1	13.75	54.53	-	-	P	H
		10420	46.9	-21.4	68.3	52.08	37.24	10.83	53.25	-	-	P	V
		15630	50.27	-23.73	74	50.95	40.1	13.75	54.53	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 1 5150~5250MHz**

**WIFI 802.11ac VHT160 (Band Edge @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT160 CH50 5250MHz		5142.74	55.42	-18.58	74	46.62	34.17	7.48	32.85	107	51	P	H
		5148.2	42.88	-11.12	54	34.06	34.19	7.48	32.85	107	51	A	H
	*	5250	96.01	-	-	87.02	34.4	7.61	33.02	107	51	P	H
		5250	89.28	-	-	80.29	34.4	7.61	33.02	107	51	A	H
		5395.2	56.25	-17.75	74	47.27	34.5	7.71	33.23	107	51	P	H
		5354.16	43.53	-10.47	54	34.54	34.5	7.68	33.19	107	51	A	H
		5132.34	54.12	-19.88	74	45.34	34.13	7.46	32.81	276	234	P	V
		5128.44	41.32	-12.68	54	32.56	34.11	7.46	32.81	276	234	A	V
	*	5250	94.67	-	-	85.68	34.4	7.61	33.02	276	234	P	V
		5250	88.28	-	-	79.29	34.4	7.61	33.02	276	234	A	V
		5389.68	56.9	-17.1	74	47.93	34.5	7.7	33.23	276	234	P	V
		5369.52	43.11	-10.89	54	34.11	34.5	7.69	33.19	276	234	A	V
	Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



**Band 1 5150~5250MHz**

**WIFI 802.11ac VHT160 (Harmonic @ 3m)**

WIFI Ant. 1+2	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 )
802.11ac		10500	46.74	-21.56	68.3	50.4	37.3	10.87	50.73	-	-	P	H
VHT160		15750	49.34	-24.66	74	46.34	40.2	13.84	51.29	-	-	P	H
CH50		10500	47.38	-20.38	68.3	50.63	37.3	10.87	50.73	-	-	P	V
5250MHz		15750	48.97	-25.03	74	47.51	40.2	13.84	51.29	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 1 - 5150~5250MHz**

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

WIFI Ant. 1+2	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 HE20 Full CH 36 5180MHz		5149.76	57.23	-16.77	74	48.4	34.2	7.48	32.85	107	21	P	H
		5150	41.95	-12.05	54	33.12	34.2	7.48	32.85	107	21	A	H
	*	5180	104.21	-	-	95.31	34.26	7.53	32.89	107	21	P	H
		5180	96.02	-	-	87.12	34.26	7.53	32.89	107	21	A	H
		5149.5	52.66	-21.34	74	43.83	34.2	7.48	32.85	377	228	P	V
		5150	41.11	-12.89	54	32.28	34.2	7.48	32.85	377	228	A	V
	*	5180	104.56	-	-	95.66	34.26	7.53	32.89	377	228	P	V
802.11ax HE20 Full CH 44 5220MHz		5135.2	50.26	-23.74	74	41.47	34.14	7.46	32.81	107	21	P	H
		5000.52	37.67	-16.33	54	29.14	33.9	7.23	32.6	107	21	A	H
	*	5220	104.55	-	-	95.62	34.34	7.57	32.98	107	21	P	H
		5220	96.18	-	-	87.25	34.34	7.57	32.98	107	21	A	H
		5453.28	48.6	-25.4	74	39.62	34.5	7.84	33.36	107	21	P	H
		5439.36	36.61	-17.39	54	27.64	34.5	7.79	33.32	107	21	A	H
		5101.92	49.75	-24.25	74	41.1	34.01	7.41	32.77	370	229	P	V
		5002.6	37.79	-16.21	54	29.26	33.9	7.23	32.6	370	229	A	V
	*	5220	104.78	-	-	95.85	34.34	7.57	32.98	370	229	P	V
		5220	96.27	-	-	87.34	34.34	7.57	32.98	370	229	A	V
	5404.56	48.96	-25.04	74	40.02	34.5	7.71	33.27	370	229	P	V	



		5438.16	36.7	-17.3	54	27.73	34.5	7.79	33.32	370	229	A	V
<b>802.11ax</b>  <b>HE20 Full</b>  <b>CH 48</b>  <b>5240MHz</b>		5009.1	50.67	-23.33	74	42.11	33.9	7.26	32.6	103	21	P	H
		5001.56	37.69	-16.31	54	29.16	33.9	7.23	32.6	103	21	A	H
	*	5240	104.47	-	-	95.48	34.38	7.59	32.98	103	21	P	H
		5240	96.27	-	-	87.28	34.38	7.59	32.98	103	21	A	H
		5410.8	48.09	-25.91	74	39.15	34.5	7.71	33.27	103	21	P	H
		5440.32	36.61	-17.39	54	27.64	34.5	7.79	33.32	103	21	A	H
		5072.8	49.92	-24.08	74	41.32	33.95	7.38	32.73	350	231	P	V
		5051.74	37.81	-16.19	54	29.27	33.9	7.32	32.68	350	231	A	V
	*	5240	105.62	-	-	96.63	34.38	7.59	32.98	350	231	P	V
		5240	96.53	-	-	87.54	34.38	7.59	32.98	350	231	A	V
		5443.2	49.7	-24.3	74	40.73	34.5	7.79	33.32	350	231	P	V
		5438.4	36.89	-17.11	54	27.92	34.5	7.79	33.32	350	231	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	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		10360	46.87	-21.43	68.3	52.06	37.19	10.8	53.18	-	-	P	H
HE20 Full		15540	50.62	-23.38	74	51.31	40.03	13.67	54.39	-	-	P	H
CH 36		10360	47.73	-20.57	68.3	52.92	37.19	10.8	53.18	-	-	P	V
5180MHz		15540	50.38	-23.62	74	51.07	40.03	13.67	54.39	-	-	P	V
802.11ax		10440	47.26	-21.04	68.3	52.44	37.25	10.84	53.27	-	-	P	H
HE20 Full		15660	51.18	-22.82	74	51.84	40.13	13.76	54.55	-	-	P	H
CH 44		10440	46.81	-21.49	68.3	51.99	37.25	10.84	53.27	-	-	P	V
5220MHz		15660	50.18	-23.82	74	50.84	40.13	13.76	54.55	-	-	P	V
802.11ax		10480	46.34	-21.96	68.3	51.53	37.28	10.87	53.34	-	-	P	H
HE20 Full		15720	48.67	-25.33	74	49.32	40.18	13.81	54.64	-	-	P	H
CH 48		10480	47.53	-20.77	68.3	52.72	37.28	10.87	53.34	-	-	P	V
5240MHz		15720	49.16	-24.84	74	49.81	40.18	13.81	54.64	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 HE20 Partial 106/53 CH 36 5180MHz		5059.02	49.67	-24.33	74	41.08	33.92	7.35	32.68	115	20	P	H
		5149.76	37.68	-16.32	54	28.85	34.2	7.48	32.85	115	20	A	H
		5180	107.61	-	-	98.71	34.26	7.53	32.89	115	20	P	H
		5180	100.31	-	-	91.41	34.26	7.53	32.89	115	20	A	H
		5031.46	49.82	-24.18	74	41.27	33.9	7.29	32.64	361	244	P	V
		5049.92	37.66	-16.34	54	29.12	33.9	7.32	32.68	361	244	A	V
		5180	106.79	-	-	97.89	34.26	7.53	32.89	361	244	P	V
802.11ax HE20 Partial 106/54 CH 48 5240MHz		5180	101.26	-	-	92.36	34.26	7.53	32.89	361	244	A	V
		5065	49.94	-24.06	74	41.39	33.93	7.35	32.73	102	33	P	H
		5046.02	37.54	-16.46	54	29	33.9	7.32	32.68	102	33	A	H
		5240	107.99	-	-	99	34.38	7.59	32.98	102	33	P	H
		5240	100.33	-	-	91.34	34.38	7.59	32.98	102	33	A	H
		5454.48	49.56	-24.44	74	40.58	34.5	7.84	33.36	102	33	P	H
		5441.28	36.63	-17.37	54	27.66	34.5	7.79	33.32	102	33	A	H
		5101.4	50.44	-23.56	74	41.79	34.01	7.41	32.77	330	241	P	V
		5002.86	37.55	-16.45	54	29.02	33.9	7.23	32.6	330	241	A	V
		5240	108.85	-	-	99.86	34.38	7.59	32.98	330	241	P	V
		5240	101.33	-	-	92.34	34.38	7.59	32.98	330	241	A	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE20 Partial 106 (Harmonic @ 3m)**

WIFI Ant. 1+2	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 HE20 Partial 106/53 CH 36 5180MHz		10360	44.89	-23.41	68.3	50.08	37.19	10.8	53.18	-	-	P	H
		15540	48.87	-25.13	74	49.56	40.03	13.67	54.39	-	-	P	H
		10360	48.77	-19.53	68.3	53.96	37.19	10.8	53.18	-	-	P	V
		15540	49.62	-24.38	74	50.31	40.03	13.67	54.39	-	-	P	V
802.11ax HE20 Partial 106/54 CH 48 5240MHz		10480	45.77	-22.53	68.3	50.96	37.28	10.87	53.34	-	-	P	H
		15720	49.7	-24.3	74	50.35	40.18	13.81	54.64	-	-	P	H
		10480	47.09	-21.21	68.3	52.28	37.28	10.87	53.34	-	-	P	V
		15720	49.23	-24.77	74	49.88	40.18	13.81	54.64	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

WIFI Ant. 1+2	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 HE40 Full CH 38 5190MHz		5148.2	53.22	-20.78	74	44.4	34.19	7.48	32.85	302	296	P	H
		5150	43.14	-10.86	54	34.31	34.2	7.48	32.85	302	296	A	H
	*	5190	100.77	-	-	91.85	34.28	7.53	32.89	302	296	P	H
		5190	92.42	-	-	83.5	34.28	7.53	32.89	302	296	A	H
		5435.08	48.52	-25.48	74	39.55	34.5	7.79	33.32	302	296	P	H
		5440.12	36.78	-17.22	54	27.81	34.5	7.79	33.32	302	296	A	H
		5148.98	53.64	-20.36	74	44.81	34.2	7.48	32.85	378	236	P	V
		5150	42	-12	54	33.17	34.2	7.48	32.85	378	236	A	V
	*	5190	101.18	-	-	92.26	34.28	7.53	32.89	378	236	P	V
		5190	94.55	-	-	85.63	34.28	7.53	32.89	378	236	A	V
		5414.64	48.73	-25.27	74	39.75	34.5	7.75	33.27	378	236	P	V
		5437.88	36.85	-17.15	54	27.88	34.5	7.79	33.32	378	236	A	V



802.11ax HE40 Full CH 46 5230MHz		5038.48	49.27	-24.73	74	40.73	33.9	7.32	32.68	307	355	P	H
		5050.18	37.72	-16.28	54	29.18	33.9	7.32	32.68	307	355	A	H
	*	5230	97.7	-	-	88.73	34.36	7.59	32.98	307	355	P	H
		5230	91.62	-	-	82.65	34.36	7.59	32.98	307	355	A	H
		5366.4	49.91	-24.09	74	40.91	34.5	7.69	33.19	307	355	P	H
		5439.36	36.75	-17.25	54	27.78	34.5	7.79	33.32	307	355	A	H
		5016.12	50.32	-23.68	74	41.8	33.9	7.26	32.64	396	233	P	V
		5050.44	37.74	-16.26	54	29.2	33.9	7.32	32.68	396	233	A	V
	*	5230	101.24	-	-	92.27	34.36	7.59	32.98	396	233	P	V
		5230	93.33	-	-	84.36	34.36	7.59	32.98	396	233	A	V
		5436.48	48.39	-25.61	74	39.42	34.5	7.79	33.32	396	233	P	V
		5442.48	36.74	-17.26	54	27.77	34.5	7.79	33.32	396	233	A	V
	Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

**Band 1 5150~5250MHz**

**WIFI 802.11ax HE40 Full (Harmonic @ 3m)**

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11ax		10380	45.9	-22.4	68.3	51.1	37.2	10.81	53.21	-	-	P	H
HE40 Full		15570	50.49	-23.51	74	51.17	40.06	13.7	54.44	-	-	P	H
CH 38		10380	46.18	-22.12	68.3	51.38	37.2	10.81	53.21	-	-	P	V
5190MHz		15570	50.75	-23.25	74	51.43	40.06	13.7	54.44	-	-	P	V
802.11ax		10460	45.81	-22.49	68.3	50.98	37.27	10.85	53.29	-	-	P	H
HE40 Full		15690	50.93	-23.07	74	51.59	40.15	13.79	54.6	-	-	P	H
CH 46		10460	46.51	-21.79	68.3	51.68	37.27	10.85	53.29	-	-	P	V
5230MHz		15690	50.95	-23.05	74	51.61	40.15	13.79	54.6	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 HE40 Partial 242/61 CH 38 5190MHz		5147.68	53.47	-20.53	74	44.65	34.19	7.48	32.85	104	301	P	H	
		5150	39.99	-14.01	54	31.16	34.2	7.48	32.85	104	301	A	H	
		5190	104.69	-	-	-	95.77	34.28	7.53	32.89	104	301	P	H
		5190	97.55	-	-	-	88.63	34.28	7.53	32.89	104	301	A	H
		5418	48.02	-25.98	74	39.04	34.5	7.75	33.27	104	301	P	H	
		5439.56	36.66	-17.34	54	27.69	34.5	7.79	33.32	104	301	A	H	
		5148.72	56.64	-17.36	74	47.82	34.19	7.48	32.85	361	239	P	V	
		5149.76	39.44	-14.56	54	30.61	34.2	7.48	32.85	361	239	A	V	
		5190	104.69	-	-	-	95.77	34.28	7.53	32.89	361	239	P	V
		5190	97.61	-	-	-	88.69	34.28	7.53	32.89	361	239	A	V
		5379.36	48.12	-25.88	74	39.15	34.5	7.7	33.23	361	239	P	V	
		5439.28	36.63	-17.37	54	27.66	34.5	7.79	33.32	361	239	A	V	
802.11ax HE40 Partial 242/62 CH 46 5230MHz		5090.22	50.08	-23.92	74	41.46	33.98	7.41	32.77	102	18	P	H	
		5045.24	37.55	-16.45	54	29.01	33.9	7.32	32.68	102	18	A	H	
		5230	104.56	-	-	-	95.59	34.36	7.59	32.98	102	18	P	H
		5230	97.2	-	-	-	88.23	34.36	7.59	32.98	102	18	A	H
		5442.24	48.6	-25.4	74	39.63	34.5	7.79	33.32	102	18	P	H	
		5436.96	36.69	-17.31	54	27.72	34.5	7.79	33.32	102	18	A	H	
		5018.46	49.87	-24.13	74	41.35	33.9	7.26	32.64	371	235	P	V	
		5070.2	37.57	-16.43	54	29.01	33.94	7.35	32.73	371	235	A	V	
		5230	103.12	-	-	-	94.15	34.36	7.59	32.98	371	235	P	V
		5230	96.23	-	-	-	87.26	34.36	7.59	32.98	371	235	A	V
		5446.32	48.32	-25.68	74	39.3	34.5	7.84	33.32	371	235	P	V	
		5440.32	36.63	-17.37	54	27.66	34.5	7.79	33.32	371	235	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													





Band 1 5150~5250MHz
WIFI 802.11ax HE40 Partial 242 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 1+2, 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). Rows include test results for 802.11ax HE40 Partial 242/61 CH 38 5190MHz and 802.11ax HE40 Partial 242/62 CH 46 5230MHz.

Remark

- 1. No other spurious found.
2. All results are PASS against Peak and Average limit line.



**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

WIFI Ant. 1+2	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 CH 42 5210MHz		5148.46	53.42	-20.58	74	44.6	34.19	7.48	32.85	110	42	P	H
		5150	42.6	-11.4	54	33.77	34.2	7.48	32.85	110	42	A	H
		5210	95.72	-	-	86.77	34.32	7.57	32.94	110	42	P	H
		5210	88.59	-	-	79.64	34.32	7.57	32.94	110	42	A	H
		5368.08	49.15	-24.85	74	40.15	34.5	7.69	33.19	110	42	P	H
		5439.36	36.77	-17.23	54	27.8	34.5	7.79	33.32	110	42	A	H
		5146.9	54.66	-19.34	74	45.84	34.19	7.48	32.85	299	233	P	V
		5149.5	43.29	-10.71	54	34.46	34.2	7.48	32.85	299	233	A	V
		5210	96.57	-	-	87.62	34.32	7.57	32.94	299	233	P	V
		5210	89.22	-	-	80.27	34.32	7.57	32.94	299	233	A	V
		5433.12	49.21	-24.79	74	40.24	34.5	7.79	33.32	299	233	P	V
	5437.92	36.74	-17.26	54	27.77	34.5	7.79	33.32	299	233	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE80 Full (Harmonic @ 3m)**

WIFI Ant. 1+2	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 CH 42 5210MHz		10420	45.82	-22.48	68.3	51	37.24	10.83	53.25			P	H
		15630	50.9	-23.1	74	51.58	40.1	13.75	54.53			P	H
		10420	46.55	-21.75	68.3	51.73	37.24	10.83	53.25			P	V
		15630	50.1	-23.9	74	50.78	40.1	13.75	54.53			P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 1+2	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 HE160 Full CH 50 5250MHz		5127.92	55.43	-18.57	74	46.67	34.11	7.46	32.81	100	24	P	H
		5148.2	41.72	-12.28	54	32.9	34.19	7.48	32.85	100	24	A	H
		5250	97.11	-	-	88.12	34.4	7.61	33.02	100	24	P	H
		5250	90.29	-	-	81.3	34.4	7.61	33.02	100	24	A	H
		5365.92	54.15	-19.85	74	45.15	34.5	7.69	33.19	100	24	P	H
		5355.12	43.08	-10.92	54	34.09	34.5	7.68	33.19	100	24	A	H
		5140.4	54.08	-19.92	74	45.25	34.16	7.48	32.81	329	232	P	V
		5141.44	40.9	-13.1	54	32.1	34.17	7.48	32.85	329	232	A	V
		5250	96.68	-	-	87.69	34.4	7.61	33.02	329	232	P	V
		5250	90.54	-	-	81.55	34.4	7.61	33.02	329	232	A	V
		5389.92	53.73	-20.27	74	44.76	34.5	7.7	33.23	329	232	P	V
	5359.92	42.7	-11.3	54	33.71	34.5	7.68	33.19	329	232	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 1+2	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 HE160 Full CH 50 5250MHz		10500	46.74	-21.56	68.3	49.3	37.3	10.87	50.73	-	-	P	H
		15750	49.34	-24.66	74	46.59	40.2	13.84	51.29	-	-	P	H
		10500	47.92	-20.38	68.3	50.48	37.3	10.87	50.73	-	-	P	V
		15750	48.97	-25.03	74	46.22	40.2	13.84	51.29	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz**  
**WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 Partial 484/65 CH 42 5210MHz		5141.44	61.15	-12.85	74	52.35	34.17	7.48	32.85	104	301	P	H
		5149.5	43.8	-10.2	54	34.97	34.2	7.48	32.85	104	301	A	H
		5210	101.87	-	-	92.92	34.32	7.57	32.94	104	301	P	H
		5210	94.29	-	-	85.34	34.32	7.57	32.94	104	301	A	H
		5417.52	49.21	-24.79	74	40.23	34.5	7.75	33.27	104	301	P	H
		5438.88	36.71	-17.29	54	27.74	34.5	7.79	33.32	104	301	A	H
		5145.34	63.61	-10.39	74	54.8	34.18	7.48	32.85	341	234	P	V
		5150	43.49	-10.51	54	34.66	34.2	7.48	32.85	341	234	A	V
		5210	100.2	-	-	91.25	34.32	7.57	32.94	341	234	P	V
		5210	92.61	-	-	83.66	34.32	7.57	32.94	341	234	A	V
		5399.76	48.57	-25.43	74	39.59	34.5	7.71	33.23	341	234	P	V
		5438.4	36.71	-17.29	54	27.74	34.5	7.79	33.32	341	234	A	V
802.11ax HE80 Partial 484/66 CH 42 5210MHz		5108.68	55.79	-18.21	74	47.1	34.03	7.43	32.77	111	300	P	H
		5150	39.55	-14.45	54	30.72	34.2	7.48	32.85	111	300	A	H
		5210	100.23	-	-	91.28	34.32	7.57	32.94	111	300	P	H
		5210	93.53	-	-	84.58	34.32	7.57	32.94	111	300	A	H
		5436.96	48.84	-25.16	74	39.87	34.5	7.79	33.32	111	300	P	H
		5438.4	36.72	-17.28	54	27.75	34.5	7.79	33.32	111	300	A	H
		5136.5	56.52	-17.48	74	47.72	34.15	7.46	32.81	333	240	P	V
		5133.9	39.03	-14.97	54	30.24	34.14	7.46	32.81	333	240	A	V
		5210	102.19	-	-	93.24	34.32	7.57	32.94	333	240	P	V
		5210	94.7	-	-	85.75	34.32	7.57	32.94	333	240	A	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz
WIFI 802.11ax HE80 Partial 484 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 1+2, 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). Rows include test results for 802.11ax HE80 Partial 484/65 CH 42 and 484/66 CH 42 at 10420 and 15630 MHz.

- 1. No other spurious found.
2. All results are PASS against Peak and Average limit line.



Band 1 5150~5250MHz
WIFI 802.11ax HE160 Partial 996(Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 1+2, 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). Rows include test results for frequencies like 5127.4, 5117.78, 5250, 5403.36, 5398.8, 5121.68, 5124.02, 5250, 5250, 5405.52, 5399.04.

- 1. No other spurious found.
2. All results are PASS against Peak and Average limit line.



**Band 1 5150~5250MHz**

**WIFI 802.11ax HE160 Partial 996 (Harmonic @ 3m)**

WIFI Ant. 1+2	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 HE160 Partial 996/67 CH 50 5250MHz		10500	47.35	-20.95	68.3	49.91	37.3	10.87	50.73	-	-	P	H
		15750	49.61	-24.39	74	46.86	40.2	13.84	51.29	-	-	P	H
		10500	47.56	-20.74	68.3	50.12	37.3	10.87	50.73	-	-	P	V
		15750	49.02	-24.98	74	46.27	40.2	13.84	51.29	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 2 - 5250~5350MHz**

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

WIFI Ant. 1+2	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 52 5260MHz		5044.2	49.55	-24.45	74	41.01	33.9	7.32	32.68	100	22	P	H
		5065	37.36	-16.64	54	28.81	33.93	7.35	32.73	100	22	A	H
	*	5260	106.03	-	-	97.03	34.4	7.62	33.02	100	22	P	H
		5260	99.13	-	-	90.13	34.4	7.62	33.02	100	22	A	H
		5398.8	48.2	-25.8	74	39.22	34.5	7.71	33.23	100	22	P	H
		5440.32	36.58	-17.42	54	27.61	34.5	7.79	33.32	100	22	A	H
		5052.26	49.86	-24.14	74	41.32	33.9	7.32	32.68	366	230	P	V
		5066.82	37.34	-16.66	54	28.79	33.93	7.35	32.73	366	230	A	V
	*	5260	104.61	-	-	95.61	34.4	7.62	33.02	366	230	P	V
		5260	97.94	-	-	88.94	34.4	7.62	33.02	366	230	A	V
		5390.16	48.37	-25.63	74	39.4	34.5	7.7	33.23	366	230	P	V
		5439.36	36.55	-17.45	54	27.58	34.5	7.79	33.32	366	230	A	V
802.11a CH 60 5300MHz		5011.2	49.26	-24.74	74	40.74	33.9	7.26	32.64	100	21	P	H
		5047.95	37.35	-16.65	54	28.81	33.9	7.32	32.68	100	21	A	H
	*	5300	106	-	-	97.06	34.4	7.65	33.11	100	21	P	H
		5300	99.22	-	-	90.28	34.4	7.65	33.11	100	21	A	H



		5397.84	48.44	-25.56	74	39.46	34.5	7.71	33.23	100	21	P	H
		5434.56	36.63	-17.37	54	27.66	34.5	7.79	33.32	100	21	A	H
		5039.2	49.75	-24.25	74	41.21	33.9	7.32	32.68	360	213	P	V
		5069.3	37.31	-16.69	54	28.75	33.94	7.35	32.73	360	213	A	V
	*	5300	105.1	-	-	96.16	34.4	7.65	33.11	360	213	P	V
		5300	98.4	-	-	89.46	34.4	7.65	33.11	360	213	A	V
		5424.24	48.56	-25.44	74	39.58	34.5	7.75	33.27	360	213	P	V
		5440.56	36.65	-17.35	54	27.68	34.5	7.79	33.32	360	213	A	V
<b>802.11a</b> <b>CH 64</b> <b>5320MHz</b>	*	5320	106.01	-	-	97.02	34.44	7.66	33.11	100	21	P	H
		5320	98.73	-	-	89.74	34.44	7.66	33.11	100	21	A	H
		5351.36	51.79	-22.21	74	42.8	34.5	7.68	33.19	100	21	P	H
		5352.32	39.01	-14.99	54	30.02	34.5	7.68	33.19	100	21	A	H
	*	5320	104.35	-	-	95.36	34.44	7.66	33.11	359	238	P	V
		5320	98.3	-	-	89.31	34.44	7.66	33.11	359	238	A	V
		5350.72	50.32	-23.68	74	41.33	34.5	7.68	33.19	359	238	P	V
		5350.08	40	-14	54	31.01	34.5	7.68	33.19	359	238	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





**Band 2 5250~5350MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 1+2	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 52 5260MHz		10520	46.41	-21.89	68.3	51.58	37.33	10.88	53.38	-	-	P	H
		15780	50.46	-23.54	74	51.1	40.22	13.85	54.71	-	-	P	H
		10520	47.12	-21.18	68.3	52.29	37.33	10.88	53.38	-	-	P	V
		15780	50.87	-23.13	74	51.51	40.22	13.85	54.71	-	-	P	V
802.11a CH 60 5300MHz		10600	46.02	-27.98	74	51.14	37.44	10.93	53.49	-	-	P	H
		15900	49.24	-24.76	74	49.85	40.32	13.94	54.87	-	-	P	H
		10600	47.87	-26.13	74	52.99	37.44	10.93	53.49	-	-	P	V
		15900	50.5	-23.5	74	51.11	40.32	13.94	54.87	-	-	P	V
802.11a CH 64 5320MHz		10640	47.19	-26.81	74	52.28	37.5	10.95	53.54	-	-	P	H
		15960	49.93	-24.07	74	50.53	40.37	13.99	54.96	-	-	P	H
		10640	47.15	-26.85	74	52.24	37.5	10.95	53.54	-	-	P	V
		15960	50.24	-23.76	74	50.84	40.37	13.99	54.96	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT20 CH 52 5260MHz		5056.16	51.36	-22.64	74	42.78	33.91	7.35	32.68	100	22	P	H
		5048.1	37.34	-16.66	54	28.8	33.9	7.32	32.68	100	22	A	H
	*	5260	104.96	-	-	95.96	34.4	7.62	33.02	100	22	P	H
		5260	97.04	-	-	88.04	34.4	7.62	33.02	100	22	A	H
		5429.76	49	-25	74	40.03	34.5	7.79	33.32	100	22	P	H
		5439.36	36.59	-17.41	54	27.62	34.5	7.79	33.32	100	22	A	H
		5080.08	50.46	-23.54	74	41.85	33.96	7.38	32.73	383	213	P	V
		5070.72	37.33	-16.67	54	28.77	33.94	7.35	32.73	383	213	A	V
	*	5260	105.14	-	-	96.14	34.4	7.62	33.02	383	213	P	V
		5260	97.45	-	-	88.45	34.4	7.62	33.02	383	213	A	V
		5384.88	49.83	-24.17	74	40.86	34.5	7.7	33.23	383	213	P	V
		5440.08	36.6	-17.4	54	27.63	34.5	7.79	33.32	383	213	A	V
802.11ac VHT20 CH 60 5300MHz		5010.85	50.68	-23.32	74	42.12	33.9	7.26	32.6	103	14	P	H
		5050.75	37.32	-16.68	54	28.78	33.9	7.32	32.68	103	14	A	H
	*	5300	104.14	-	-	95.2	34.4	7.65	33.11	103	14	P	H
		5300	97.27	-	-	88.33	34.4	7.65	33.11	103	14	A	H
		5439.12	48.78	-25.22	74	39.81	34.5	7.79	33.32	103	14	P	H
		5437.92	36.61	-17.39	54	27.64	34.5	7.79	33.32	103	14	A	H
		5065.8	49.75	-24.25	74	41.2	33.93	7.35	32.73	304	235	P	V
		5069.65	37.35	-16.65	54	28.79	33.94	7.35	32.73	304	235	A	V
	*	5230	104.32	-	-	95.35	34.36	7.59	32.98	304	235	P	V
		5230	97.86	-	-	88.89	34.36	7.59	32.98	304	235	A	V
		5424.24	48.84	-25.16	74	39.86	34.5	7.75	33.27	304	235	P	V
		5442.72	36.69	-17.31	54	27.72	34.5	7.79	33.32	304	235	A	V



802.11ac VHT20 CH 64 5320MHz	*	5320	105.77	-	-	96.78	34.44	7.66	33.11	100	14	P	H
		5320	97.57	-	-	88.58	34.44	7.66	33.11	100	14	A	H
		5352.48	51.35	-22.65	74	42.36	34.5	7.68	33.19	100	14	P	H
		5350.08	40.02	-13.98	54	31.03	34.5	7.68	33.19	100	14	A	H
	*	5320	105.01	-	-	96.02	34.44	7.66	33.11	300	232	P	V
		5320	97.65	-	-	88.66	34.44	7.66	33.11	300	232	A	V
		5351.84	51.38	-22.62	74	42.39	34.5	7.68	33.19	300	232	P	V
		5350.08	39.33	-14.67	54	30.34	34.5	7.68	33.19	300	232	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

WIFI Ant. 1+2	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)
802.11ac		10520	46.3	-22	68.3	51.47	37.33	10.88	53.38	-	-	P	H
VHT20		15780	50.82	-23.18	74	51.46	40.22	13.85	54.71	-	-	P	H
CH 52		10520	47.85	-20.45	68.3	53.02	37.33	10.88	53.38	-	-	P	V
5260MHz		15780	50.12	-23.88	74	50.76	40.22	13.85	54.71	-	-	P	V
802.11ac	*	10600	47.04	-26.96	74	52.16	37.44	10.93	53.49	-	-	P	H
VHT20		15900	50.85	-23.15	74	50.46	40.32	13.94	54.87	-	-	P	H
CH 60	*	10600	47.47	-26.53	74	51.59	37.44	10.93	53.49	-	-	P	V
5300MHz		15900	50.43	-23.57	74	50.04	40.32	13.94	54.87	-	-	P	V
802.11ac		10640	47.91	-26.09	74	53	37.5	10.95	53.54	-	-	P	H
VHT20		15960	50.06	-23.94	74	50.66	40.37	13.99	54.96	-	-	P	H
CH 64		10640	47.82	-26.18	74	52.91	37.5	10.95	53.54	-	-	P	V
5320MHz		15960	50.59	-23.41	74	51.19	40.37	13.99	54.96	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT40 CH 54 5270MHz		5108.85	49.41	-24.59	74	40.71	34.04	7.43	32.77	100	34	P	H
		5048.3	37.61	-16.39	54	29.07	33.9	7.32	32.68	100	34	A	H
	*	5270	100.07	-	-	91.07	34.4	7.62	33.02	100	34	P	H
		5270	92.77	-	-	83.77	34.4	7.62	33.02	100	34	A	H
		5440.56	49.67	-24.33	74	40.7	34.5	7.79	33.32	100	34	P	H
		5436.48	36.9	-17.1	54	27.93	34.5	7.79	33.32	100	34	A	H
		5107.45	49.36	-24.64	74	40.67	34.03	7.43	32.77	309	231	P	V
		5069.65	37.38	-16.62	54	28.82	33.94	7.35	32.73	309	231	A	V
	*	5270	99.62	-	-	90.62	34.4	7.62	33.02	309	231	P	V
		5270	92.33	-	-	83.33	34.4	7.62	33.02	309	231	A	V
		5379.84	48.13	-25.87	74	39.16	34.5	7.7	33.23	309	231	P	V
		5436.48	36.63	-17.37	54	27.66	34.5	7.79	33.32	309	231	A	V
802.11ac VHT40 CH 62 5310MHz		5014.7	50.87	-23.13	74	42.35	33.9	7.26	32.64	113	21	P	H
		5063.35	37.61	-16.39	54	29.06	33.93	7.35	32.73	113	21	A	H
	*	5310	101.17	-	-	92.2	34.42	7.66	33.11	113	21	P	H
		5310	93.71	-	-	84.74	34.42	7.66	33.11	113	21	A	H
		5350.32	51.83	-22.17	74	42.84	34.5	7.68	33.19	113	21	P	H
		5350.32	41.2	-12.8	54	32.21	34.5	7.68	33.19	113	21	A	H
		5039.2	49.56	-24.44	74	41.02	33.9	7.32	32.68	284	231	P	V
		5066.15	37.34	-16.66	54	28.79	33.93	7.35	32.73	284	231	A	V
	*	5310	101.35	-	-	92.38	34.42	7.66	33.11	284	231	P	V
		5310	93.02	-	-	84.05	34.42	7.66	33.11	284	231	A	V
	5350.32	52	-22	74	43.01	34.5	7.68	33.19	284	231	P	V	
	5350.08	42.13	-11.87	54	33.14	34.5	7.68	33.19	284	231	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT40 (Harmonic @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT40 CH 54 5270MHz		10540	47.56	-20.74	68.3	52.72	37.36	10.89	53.41	-	-	P	H
		15810	50.01	-23.99	74	50.64	40.25	13.87	54.75	-	-	P	H
		10540	46.22	-22.08	68.3	51.38	37.36	10.89	53.41	-	-	P	V
		15810	50.12	-23.88	74	50.75	40.25	13.87	54.75	-	-	P	V
802.11ac VHT40 CH 62 5310MHz		10620	47.61	-26.39	74	52.72	37.47	10.94	53.52	-	-	P	H
		15930	50.67	-23.33	74	51.28	40.34	13.96	54.91	-	-	P	H
		10620	47.58	-26.42	74	52.69	37.47	10.94	53.52	-	-	P	V
		15930	49.3	-24.7	74	49.91	40.34	13.96	54.91	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT80 CH 58 5290MHz		5121.45	49.91	-24.09	74	41.2	34.09	7.43	32.81	100	300	P	H
		5149.45	38.18	-15.82	54	29.35	34.2	7.48	32.85	100	300	A	H
	*	5290	100.3	-	-	91.32	34.4	7.64	33.06	100	300	P	H
		5290	91.63	-	-	82.65	34.4	7.64	33.06	100	300	A	H
		5353.44	55.21	-18.79	74	46.22	34.5	7.68	33.19	100	300	P	H
		5350.08	41.68	-12.32	54	32.69	34.5	7.68	33.19	100	300	A	H
		5026.95	50.14	-23.86	74	41.59	33.9	7.29	32.64	322	218	P	V
		5052.5	37.9	-16.1	54	29.35	33.91	7.32	32.68	322	218	A	V
	*	5290	97.89	-	-	88.91	34.4	7.64	33.06	322	218	P	V
		5290	89.85	-	-	80.87	34.4	7.64	33.06	322	218	A	V
		5377.2	50.7	-23.3	74	41.74	34.5	7.69	33.23	322	218	P	V
		5350.32	40.14	-13.86	54	31.15	34.5	7.68	33.19	322	218	A	V
	Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



**Band 2 5250~5350MHz**  
**WIFI 802.11ac VVHT80 (Harmonic @ 3m)**

WIFI Ant. 1+2	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)
802.11ac		10580	47.86	-20.44	68.3	53	37.41	10.92	53.47	-	-	P	H
VHT80		15870	50.42	-23.58	74	51.04	40.3	13.92	54.84	-	-	P	H
CH 58		10580	46.41	-21.89	68.3	51.55	37.41	10.92	53.47	-	-	P	V
5290MHz		15870	50.2	-23.8	74	50.82	40.3	13.92	54.84	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 2 5250~5350MHz**  
**WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI Ant. 1+2	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 HE20 Full CH 52 5260MHz		5085.54	50.75	-23.25	74	42.13	33.97	7.38	32.73	100	21	P	H
		5020.02	37.67	-16.33	54	29.15	33.9	7.26	32.64	100	21	A	H
	*	5260	105.12	-	-	96.12	34.4	7.62	33.02	100	21	P	H
		5260	97.12	-	-	88.12	34.4	7.62	33.02	100	21	A	H
		5438.64	49.76	-24.24	74	40.79	34.5	7.79	33.32	100	21	P	H
		5442.72	36.73	-17.27	54	27.76	34.5	7.79	33.32	100	21	A	H
		5062.4	51.12	-22.88	74	42.53	33.92	7.35	32.68	328	236	P	V
		5049.66	37.77	-16.23	54	29.23	33.9	7.32	32.68	328	236	A	V
	*	5260	105.03	-	-	96.03	34.4	7.62	33.02	328	236	P	V
		5260	96.14	-	-	87.14	34.4	7.62	33.02	328	236	A	V
		5408.16	49.77	-24.23	74	40.83	34.5	7.71	33.27	328	236	P	V
		5439.84	36.91	-17.09	54	27.94	34.5	7.79	33.32	328	236	A	V
802.11ax HE20 Full CH 60 5300MHz		5034.65	49.91	-24.09	74	41.36	33.9	7.29	32.64	100	20	P	H
		5039.55	37.64	-16.36	54	29.1	33.9	7.32	32.68	100	20	A	H
	*	5300	104.78	-	-	95.84	34.4	7.65	33.11	100	20	P	H
		5300	96.8	-	-	87.86	34.4	7.65	33.11	100	20	A	H
		5368.32	48.07	-25.93	74	39.07	34.5	7.69	33.19	100	20	P	H
		5438.4	36.8	-17.2	54	27.83	34.5	7.79	33.32	100	20	A	H



		5135.8	49.47	-24.53	74	40.68	34.14	7.46	32.81	341	240	P	V
		5039.9	37.76	-16.24	54	29.22	33.9	7.32	32.68	341	240	A	V
	*	5300	104.61	-	-	95.67	34.4	7.65	33.11	341	240	P	V
		5300	96.06	-	-	87.12	34.4	7.65	33.11	341	240	A	V
		5387.04	48.32	-25.68	74	39.35	34.5	7.7	33.23	341	240	P	V
		5439.6	36.9	-17.1	54	27.93	34.5	7.79	33.32	341	240	A	V
<b>802.11ax</b> <b>HE20 Full</b> <b>CH 64</b> <b>5320MHz</b>	*	5320	104.57	-	-	95.58	34.44	7.66	33.11	100	21	P	H
		5320	96.68	-	-	87.69	34.44	7.66	33.11	100	21	A	H
		5351.2	55.36	-18.64	74	46.37	34.5	7.68	33.19	100	21	P	H
		5350.08	41.43	-12.57	54	32.44	34.5	7.68	33.19	100	21	A	H
	*	5320	104.32	-	-	95.33	34.44	7.66	33.11	285	235	P	V
		5320	97.1	-	-	88.11	34.44	7.66	33.11	285	235	A	V
		5350.4	54.33	-19.67	74	45.34	34.5	7.68	33.19	285	235	P	V
		5350.08	41.25	-12.75	54	32.26	34.5	7.68	33.19	285	235	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	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		10520	46.15	-22.15	68.3	51.32	37.33	10.88	53.38	-	-	P	H
HE20 Full		15780	50.27	-23.73	74	50.91	40.22	13.85	54.71	-	-	P	H
CH 52		10520	46.84	-21.46	68.3	52.01	37.33	10.88	53.38	-	-	P	V
5260MHz		15780	49.95	-24.05	74	50.59	40.22	13.85	54.71	-	-	P	V
802.11ax		10600	46.77	-27.23	74	51.89	37.44	10.93	53.49	-	-	P	H
HE20 Full		15900	49.25	-24.75	74	48.86	40.32	13.94	54.87	-	-	P	H
CH 60		10600	47.34	-26.66	74	51.46	37.44	10.93	53.49	-	-	P	V
5300MHz		15900	49	-25	74	49.61	40.32	13.94	54.87	-	-	P	V
802.11ax		10640	47.09	-26.91	74	52.18	37.5	10.95	53.54	-	-	P	H
HE20 Full		15960	49.54	-24.46	74	50.14	40.37	13.99	54.96	-	-	P	H
CH 64		10640	46.82	-27.18	74	51.91	37.5	10.95	53.54	-	-	P	V
5320MHz		15960	49.99	-24.01	74	50.59	40.37	13.99	54.96	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz**  
**WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 HE20 Partial 106/53 CH 52 5260MHz		5093.34	51.05	-22.95	74	42.42	33.99	7.41	32.77	100	20	P	H
		5047.06	37.51	-16.49	54	28.97	33.9	7.32	32.68	100	20	A	H
		5260	107.43	-	-	98.43	34.4	7.62	33.02	100	20	P	H
		5260	100.76	-	-	91.76	34.4	7.62	33.02	100	20	A	H
		5444.64	49.48	-24.52	74	40.51	34.5	7.79	33.32	100	20	P	H
		5437.44	36.62	-17.38	54	27.65	34.5	7.79	33.32	100	20	A	H
		5097.24	50.97	-23.03	74	42.34	33.99	7.41	32.77	330	241	P	V
		5046.8	37.55	-16.45	54	29.01	33.9	7.32	32.68	330	241	A	V
		5260	106.48	-	-	97.48	34.4	7.62	33.02	330	241	P	V
		5260	99.63	-	-	90.63	34.4	7.62	33.02	330	241	A	V
		5436.24	48.98	-25.02	74	40.01	34.5	7.79	33.32	330	241	P	V
		5437.2	36.63	-17.37	54	27.66	34.5	7.79	33.32	330	241	A	V
802.11ax HE20 Partial 106/54 CH 64 5320MHz		5320	107.19	-	-	98.2	34.44	7.66	33.11	100	44	P	H
		5320	100.28	-	-	91.29	34.44	7.66	33.11	100	44	A	H
		5410.72	49.67	-24.33	74	40.73	34.5	7.71	33.27	100	44	P	H
		5438.72	36.7	-17.3	54	27.73	34.5	7.79	33.32	100	44	A	H
		5320	105.59	-	-	96.6	34.44	7.66	33.11	321	245	P	V
		5320	98.62	-	-	89.63	34.44	7.66	33.11	321	245	A	V
		5371.36	48.33	-25.67	74	39.33	34.5	7.69	33.19	321	245	P	V
	5439.68	36.69	-17.31	54	27.72	34.5	7.79	33.32	321	245	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ax HE20 Partial 106 (Harmonic @ 3m)

WIFI Ant. 1+2	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 HE20 Partial 106/53 CH 52 5260MHz		10520	46.52	-21.78	68.3	51.69	37.33	10.88	53.38	-	-	P	H
		15780	51	-23	74	51.64	40.22	13.85	54.71	-	-	P	H
		10520	46.76	-21.54	68.3	51.93	37.33	10.88	53.38	-	-	P	V
		15780	49.51	-24.49	74	50.15	40.22	13.85	54.71	-	-	P	V
802.11ax HE20 Partial 106/54 CH 64 5320MHz		10640	45.93	-28.07	74	51.02	37.5	10.95	53.54	-	-	P	H
		15960	49.06	-24.94	74	49.66	40.37	13.99	54.96	-	-	P	H
		10640	46.63	-27.37	74	51.72	37.5	10.95	53.54	-	-	P	V
		15960	48.43	-25.57	74	49.03	40.37	13.99	54.96	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 1+2	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 HE40 Full CH 54 5270MHz		5010.15	50.5	-23.5	74	41.94	33.9	7.26	32.6	273	296	P	H
		5050.75	37.69	-16.31	54	29.15	33.9	7.32	32.68	273	296	A	H
		5270	100.26	-	-	91.26	34.4	7.62	33.02	273	296	P	H
		5270	92.42	-	-	83.42	34.4	7.62	33.02	273	296	A	H
		5392.32	49.57	-24.43	74	40.6	34.5	7.7	33.23	273	296	P	H
		5440.8	36.95	-17.05	54	27.98	34.5	7.79	33.32	273	296	A	H
		5028	49.72	-24.28	74	41.17	33.9	7.29	32.64	365	231	P	V
		5035	37.68	-16.32	54	29.13	33.9	7.29	32.64	365	231	A	V
		5270	101.76	-	-	92.76	34.4	7.62	33.02	365	231	P	V
		5270	94.32	-	-	85.32	34.4	7.62	33.02	365	231	A	V
		5451.6	48.67	-25.33	74	39.65	34.5	7.84	33.32	365	231	P	V
		5424	36.85	-17.15	54	27.87	34.5	7.75	33.27	365	231	A	V



<b>802.11ax</b> <b>HE40 Full</b> <b>CH 62</b> <b>5310MHz</b>		5052.85	50.67	-23.33	74	42.12	33.91	7.32	32.68	259	297	P	H
		5036.05	37.66	-16.34	54	29.11	33.9	7.29	32.64	259	297	A	H
		5310	99.78	-	-	90.81	34.42	7.66	33.11	259	297	P	H
		5310	92.67	-	-	83.7	34.42	7.66	33.11	259	297	A	H
		5354.16	50.26	-23.74	74	41.27	34.5	7.68	33.19	259	297	P	H
		5350.08	40.39	-13.61	54	31.4	34.5	7.68	33.19	259	297	A	H
		5060.2	50.01	-23.99	74	41.42	33.92	7.35	32.68	336	231	P	V
		5038.15	37.69	-16.31	54	29.15	33.9	7.32	32.68	336	231	A	V
		5310	100.11	-	-	91.14	34.42	7.66	33.11	336	231	P	V
		5310	92.94	-	-	83.97	34.42	7.66	33.11	336	231	A	V
		5351.28	51.59	-22.41	74	42.6	34.5	7.68	33.19	336	231	P	V
		5350.08	40.69	-13.31	54	31.7	34.5	7.68	33.19	336	231	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 2 5250~5350MHz**

**WIFI 802.11ax HE40 Full (Harmonic @ 3m)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
<b>802.11ax</b>		10540	46.07	-22.23	68.3	51.23	37.36	10.89	53.41	-	-	P	H
<b>HE40 Full</b>		15810	50.57	-23.43	74	51.2	40.25	13.87	54.75	-	-	P	H
<b>CH 54</b>		10540	46.09	-22.21	68.3	51.25	37.36	10.89	53.41	-	-	P	V
<b>5270MHz</b>		15810	50.25	-23.75	74	50.88	40.25	13.87	54.75	-	-	P	V
<b>802.11ax</b>		10620	46.57	-27.43	74	51.68	37.47	10.94	53.52	-	-	P	H
<b>HE40 Full</b>		15930	50.34	-23.66	74	50.95	40.34	13.96	54.91	-	-	P	H
<b>CH 62</b>		10620	46.86	-27.14	74	51.97	37.47	10.94	53.52	-	-	P	V
<b>5310MHz</b>		15930	50.27	-23.73	74	50.88	40.34	13.96	54.91	-	-	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 1+2, 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). Rows include data for 802.11ax HE40 Partial 242/61 CH 54 5270MHz and 802.11ax HE40 Partial 242/62 CH 62 5310MHz.

Remark

- 1. No other spurious found.
2. All results are PASS against Peak and Average limit line.



**Band 2 5250~5350MHz**  
**WIFI 802.11ax HE40 Partial 242 (Harmonic @ 3m)**

WIFI Ant. 1+2	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 HE40 Partial 242/54 CH 61 5270MHz		10540	47.1	-21.2	68.3	52.26	37.36	10.89	53.41	-	-	P	H
		15810	50.34	-23.66	74	50.97	40.25	13.87	54.75	-	-	P	H
		10540	46.9	-21.4	68.3	52.06	37.36	10.89	53.41	-	-	P	V
		15810	50.81	-23.19	74	51.44	40.25	13.87	54.75	-	-	P	V
802.11ax HE40 Partial 242/62 CH 62 5310MHz		10620	47.28	-26.72	74	52.39	37.47	10.94	53.52	-	-	P	H
		15930	49.36	-24.64	74	49.97	40.34	13.96	54.91	-	-	P	H
		10620	47.22	-26.78	74	52.33	37.47	10.94	53.52	-	-	P	V
		15930	49.11	-24.89	74	49.72	40.34	13.96	54.91	-	-	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz**  
**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

WIFI Ant. 1+2	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 CH 58 5290MHz		5059.85	49.62	-24.38	74	41.03	33.92	7.35	32.68	105	34	P	H
		5038.5	37.63	-16.37	54	29.09	33.9	7.32	32.68	105	34	A	H
		5290	96.01	-	-	87.03	34.4	7.64	33.06	105	34	P	H
		5290	89.23	-	-	80.25	34.4	7.64	33.06	105	34	A	H
		5356.32	50.03	-23.97	74	41.04	34.5	7.68	33.19	105	34	P	H
		5351.28	39.7	-14.3	54	30.71	34.5	7.68	33.19	105	34	A	H
		5080.85	49.99	-24.01	74	41.38	33.96	7.38	32.73	288	228	P	V
		5005.6	37.65	-16.35	54	29.09	33.9	7.26	32.6	288	228	A	V
		5290	96.34	-	-	87.36	34.4	7.64	33.06	288	228	P	V
		5290	89.33	-	-	80.35	34.4	7.64	33.06	288	228	A	V
		5355.6	51.69	-22.31	74	42.7	34.5	7.68	33.19	288	228	P	V
	5350.32	39.06	-14.94	54	30.07	34.5	7.68	33.19	288	228	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 2 5250~5350MHz**  
**WIFI 802.11ax HE80 Full (Harmonic @ 3m)**

WIFI Ant. 1+2	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 CH 58 5290MHz		10580	46.87	-21.43	68.3	52.01	37.41	10.92	53.47	-	-	P	H
		15870	50.25	-23.75	74	50.87	40.3	13.92	54.84	-	-	P	H
		10580	46.47	-21.83	68.3	51.61	37.41	10.92	53.47	-	-	P	V
		15870	50.57	-23.43	74	51.19	40.3	13.92	54.84	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz**  
**WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 Partial 484/65 CH 58 5290MHz		5144.55	49.79	-24.21	74	40.98	34.18	7.48	32.85	100	300	P	H
		5053.2	37.61	-16.39	54	29.06	33.91	7.32	32.68	100	300	A	H
		5290	101.08	-	-	92.1	34.4	7.64	33.06	100	300	P	H
		5290	93.64	-	-	84.66	34.4	7.64	33.06	100	300	A	H
		5376.96	63.47	-10.53	74	54.51	34.5	7.69	33.23	100	300	P	H
		5359.2	39.19	-14.81	54	30.2	34.5	7.68	33.19	100	300	A	H
		5130.55	50.34	-23.66	74	41.57	34.12	7.46	32.81	330	244	P	V
		5053.9	37.59	-16.41	54	29.04	33.91	7.32	32.68	330	244	A	V
		5290	101.02	-	-	92.04	34.4	7.64	33.06	330	244	P	V
		5290	93.29	-	-	84.31	34.4	7.64	33.06	330	244	A	V
		5365.44	62.45	-11.55	74	53.45	34.5	7.69	33.19	330	244	P	V
		5361.6	38.43	-15.57	54	29.43	34.5	7.69	33.19	330	244	A	V
802.11ax HE80 Partial 484/66 CH 58 5290MHz		5053.9	49.41	-24.59	74	40.86	33.91	7.32	32.68	100	301	P	H
		5051.45	37.58	-16.42	54	29.04	33.9	7.32	32.68	100	301	A	H
		5290	100.4	-	-	91.42	34.4	7.64	33.06	100	301	P	H
		5290	92.58	-	-	83.6	34.4	7.64	33.06	100	301	A	H
		5350.56	59.82	-14.18	74	50.83	34.5	7.68	33.19	100	301	P	H
		5350.08	41.25	-12.75	54	32.26	34.5	7.68	33.19	100	301	A	H
		5028.35	50.36	-23.64	74	41.81	33.9	7.29	32.64	341	239	P	V
		5044.1	37.58	-16.42	54	29.04	33.9	7.32	32.68	341	239	A	V
		5290	100.06	-	-	91.08	34.4	7.64	33.06	341	239	P	V
		5290	92.63	-	-	83.65	34.4	7.64	33.06	341	239	A	V
		5352	54.57	-19.43	74	45.58	34.5	7.68	33.19	341	239	P	V
		5352.24	40.07	-13.93	54	31.08	34.5	7.68	33.19	341	239	A	V

**Remark**

- No other spurious found.
- All results are PASS against Peak and Average limit line.





**Band 2 5250~5350MHz**  
**WIFI 802.11ax HE80 Partial 484 (Harmonic @ 3m)**

WIFI Ant. 1+2	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 Partial 484/65 CH 58 5290MHz		10580	47.48	-20.82	68.3	52.62	37.41	10.92	53.47	-	-	P	H
		15870	50.49	-23.51	74	51.11	40.3	13.92	54.84	-	-	P	H
		10580	47.01	-21.29	68.3	52.15	37.41	10.92	53.47	-	-	P	V
		15870	50.63	-23.37	74	51.25	40.3	13.92	54.84	-	-	P	V
802.11ax HE80 Partial 484/66 CH 58 5290MHz		10580	47.19	-21.11	68.3	52.33	37.41	10.92	53.47	-	-	P	H
		15870	50.18	-23.82	74	50.8	40.3	13.92	54.84	-	-	P	H
		10580	47.11	-21.19	68.3	52.25	37.41	10.92	53.47	-	-	P	V
		15870	50.55	-23.45	74	51.17	40.3	13.92	54.84	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11a CH 100 5500MHz		5436.72	49.9	-24.1	74	40.93	34.5	7.79	33.32	327	350	P	H
		5469.36	51.71	-16.59	68.3	42.69	34.5	7.88	33.36	327	350	P	H
		5460	36.93	-17.07	54	27.95	34.5	7.84	33.36	327	350	A	H
	*	5500	105.59	-	-	96.53	34.5	7.96	33.4	327	350	P	H
		5500	98.41	-	-	89.35	34.5	7.96	33.4	327	350	A	H
		5422.32	49.73	-24.27	74	40.75	34.5	7.75	33.27	369	216	P	V
		5466.8	53.12	-15.18	68.3	44.1	34.5	7.88	33.36	369	216	P	V
		5460	37.21	-16.79	54	28.23	34.5	7.84	33.36	369	216	A	V
	*	5500	107.27	-	-	98.21	34.5	7.96	33.4	369	216	P	V
	5500	100.19	-	-	91.13	34.5	7.96	33.4	369	216	A	V	
802.11a CH 116 5580MHz		5440.24	48.11	-25.89	74	39.14	34.5	7.79	33.32	105	82	P	H
		5461.6	48.04	-20.26	68.3	39.06	34.5	7.84	33.36	105	82	P	H
		5458.72	36.62	-17.38	54	27.64	34.5	7.84	33.36	105	82	A	H
	*	5580	106.26	-	-	97.18	34.5	7.97	33.39	105	82	P	H
		5580	100.31	-	-	91.23	34.5	7.97	33.39	105	82	A	H
		5733.185	49.37	-18.93	68.3	39.57	34.7	8.45	33.35	105	82	P	H
		5451.52	49.48	-24.52	74	40.46	34.5	7.84	33.32	356	220	P	V
		5468.56	47.09	-21.21	68.3	38.07	34.5	7.88	33.36	356	220	P	V
		5441.92	36.63	-17.37	54	27.66	34.5	7.79	33.32	356	220	A	V
	*	5580	107.25	-	-	98.17	34.5	7.97	33.39	356	220	P	V
		5580	100.72	-	-	91.64	34.5	7.97	33.39	356	220	A	V
	5729.405	48.95	-19.35	68.3	39.15	34.7	8.45	33.35	356	220	P	V	
802.11a CH 140 5700MHz	*	5700	107.44	-	-	97.58	34.7	8.52	33.36	111	83	P	H
		5700	100.38	-	-	90.52	34.7	8.52	33.36	111	83	A	H
		5726.52	64.12	-4.18	68.3	54.32	34.7	8.45	33.35	111	83	P	H
	*	5700	107.78	-	-	97.92	34.7	8.52	33.36	361	220	P	V
		5700	100.72	-	-	90.86	34.7	8.52	33.36	361	220	A	V
		5726.28	63.82	-4.48	68.3	54.02	34.7	8.45	33.35	361	220	P	V

**Remark** 1. No other spurious found.  
2. All results are PASS against Peak and Average limit line.



**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 1+2	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 100 5500MHz		11000	47.52	-26.48	74	52.38	38	11.14	54	-	-	P	H
		16500	52.86	-15.44	68.3	50.92	41.25	14.27	53.58	-	-	P	H
		11000	47.33	-26.67	74	52.19	38	11.14	54	-	-	P	V
		16500	52.54	-15.76	68.3	50.6	41.25	14.27	53.58	-	-	P	V
802.11a CH 116 5580MHz		11160	47.01	-26.99	74	51.53	38.1	11.28	53.9	-	-	P	H
		16740	50.9	-17.4	68.3	47.75	41.66	14.4	52.91	-	-	P	H
		11160	46.65	-27.35	74	51.17	38.1	11.28	53.9	-	-	P	V
		16740	50.81	-17.49	68.3	47.66	41.66	14.4	52.91	-	-	P	V
802.11a CH 140 5700MHz		11400	46.49	-27.51	74	50.54	38.24	11.47	53.76	-	-	P	H
		17100	50.56	-17.74	68.3	46.17	41.97	14.69	52.27	-	-	P	H
		11400	46.89	-27.11	74	50.94	38.24	11.47	53.76	-	-	P	V
		17100	50.19	-18.11	68.3	45.8	41.97	14.69	52.27	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT20 CH 100 5500MHz		5456.4	50.29	-23.71	74	41.31	34.5	7.84	33.36	114	38	P	H
		5469.2	54.08	-14.22	68.3	45.06	34.5	7.88	33.36	114	38	P	H
		5459.6	37.37	-16.63	54	28.39	34.5	7.84	33.36	114	38	A	H
	*	5500	106.19	-	-	97.13	34.5	7.96	33.4	114	38	P	H
		5500	98.94	-	-	89.88	34.5	7.96	33.4	114	38	A	H
		5458.16	49.54	-24.46	74	40.56	34.5	7.84	33.36	298	234	P	V
		5468.72	53.45	-14.85	68.3	44.43	34.5	7.88	33.36	298	234	P	V
		5460	37.35	-16.65	54	28.37	34.5	7.84	33.36	298	234	A	V
	*	5500	104.48	-	-	95.42	34.5	7.96	33.4	298	234	P	V
	5500	97.93	-	-	88.87	34.5	7.96	33.4	298	234	A	V	
802.11ac VHT20 CH 116 5580MHz		5429.68	48.83	-25.17	74	39.86	34.5	7.79	33.32	110	37	P	H
		5468.08	48.82	-19.48	68.3	39.8	34.5	7.88	33.36	110	37	P	H
		5438.8	36.66	-17.34	54	27.69	34.5	7.79	33.32	110	37	A	H
	*	5580	105.09	-	-	96.01	34.5	7.97	33.39	110	37	P	H
		5580	98.63	-	-	89.55	34.5	7.97	33.39	110	37	A	H
		5730.035	50.18	-18.12	68.3	40.38	34.7	8.45	33.35	110	37	P	H
		5443.6	48.26	-25.74	74	39.29	34.5	7.79	33.32	323	236	P	V
		5460.88	48.21	-20.09	68.3	39.23	34.5	7.84	33.36	323	236	P	V
		5458.48	36.65	-17.35	54	27.67	34.5	7.84	33.36	323	236	A	V
*	5580	106.64	-	-	97.56	34.5	7.97	33.39	323	236	P	V	
	5580	99.2	-	-	90.12	34.5	7.97	33.39	323	236	A	V	
	5724.995	50.48	-17.82	68.3	40.68	34.7	8.45	33.35	323	236	P	V	
802.11ac VHT20 CH 140 5700MHz	*	5700	104.93	-	-	95.07	34.7	8.52	33.36	100	119	P	H
		5700	98.63	-	-	88.77	34.7	8.52	33.36	100	119	A	H
		5725	57.85	-10.45	68.3	48.05	34.7	8.45	33.35	100	119	P	H
	*	5700	106.93	-	-	97.07	34.7	8.52	33.36	283	236	P	V
		5700	99.78	-	-	89.92	34.7	8.52	33.36	283	236	A	V
	5725	60.48	-7.82	68.3	50.68	34.7	8.45	33.35	283	236	P	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz**  
**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT20		11000	47.36	-26.64	74	52.22	38	11.14	54	-	-	P	H
		16500	50.17	-18.13	68.3	48.23	41.25	14.27	53.58	-	-	P	H
CH 100 5500MHz		11000	46.76	-27.24	74	51.62	38	11.14	54	-	-	P	V
		16500	50	-18.3	68.3	48.06	41.25	14.27	53.58	-	-	P	V
802.11ac VHT20 CH 116 5580MHz		11160	47.06	-26.94	74	51.58	38.1	11.28	53.9	-	-	P	H
		16740	50.4	-17.9	68.3	47.25	41.66	14.4	52.91	-	-	P	H
		11160	46.76	-27.24	74	51.28	38.1	11.28	53.9	-	-	P	V
		16740	50.12	-18.18	68.3	46.97	41.66	14.4	52.91	-	-	P	V
802.11ac VHT20 CH 140 5700MHz		11400	46.95	-27.05	74	51	38.24	11.47	53.76	-	-	P	H
		17100	50.75	-17.55	68.3	46.36	41.97	14.69	52.27	-	-	P	H
		11400	46.78	-27.22	74	50.83	38.24	11.47	53.76	-	-	P	V
		17100	50.66	-17.64	68.3	46.27	41.97	14.69	52.27	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 )
802.11ac VHT40 CH 102 5510MHz		5456.8	52.58	-21.42	74	43.6	34.5	7.84	33.36	104	40	P	H
		5469.52	57.47	-10.83	68.3	48.45	34.5	7.88	33.36	104	40	P	H
		5459.92	40.64	-13.36	54	31.66	34.5	7.84	33.36	104	40	A	H
	*	5510	102.01	-	-	92.95	34.5	7.96	33.4	104	40	P	H
		5510	94.3	-	-	85.24	34.5	7.96	33.4	104	40	A	H
		5753.66	48.88	-19.42	68.3	39.13	34.71	8.39	33.35	104	40	P	H
		5459.68	52.43	-21.57	74	43.45	34.5	7.84	33.36	313	237	P	V
		5469.28	57.37	-10.93	68.3	48.35	34.5	7.88	33.36	313	237	P	V
		5459.92	39.98	-14.02	54	31	34.5	7.84	33.36	313	237	A	V
	*	5510	101.87	-	-	92.81	34.5	7.96	33.4	313	237	P	V
		5510	93.5	-	-	84.44	34.5	7.96	33.4	313	237	A	V
		5735.705	50.89	-17.41	68.3	41.12	34.7	8.42	33.35	313	237	P	V
802.11ac VHT40 CH 110 5550MHz		5447.92	48.51	-25.49	74	39.49	34.5	7.84	33.32	102	85	P	H
		5469.76	48.21	-20.09	68.3	39.19	34.5	7.88	33.36	102	85	P	H
		5459.92	37.42	-16.58	54	28.44	34.5	7.84	33.36	102	85	A	H
	*	5550	101.22	-	-	92.14	34.5	7.97	33.39	102	85	P	H
		5550	94.49	-	-	85.41	34.5	7.97	33.39	102	85	A	H
		5742.005	49.03	-19.27	68.3	39.26	34.7	8.42	33.35	102	85	P	H
		5456.08	50.07	-23.93	74	41.09	34.5	7.84	33.36	293	236	P	V
		5462.08	49.27	-19.03	68.3	40.29	34.5	7.84	33.36	293	236	P	V
		5459.68	37.06	-16.94	54	28.08	34.5	7.84	33.36	293	236	A	V
	*	5550	102.7	-	-	93.62	34.5	7.97	33.39	293	236	P	V
	5550	94.94	-	-	85.86	34.5	7.97	33.39	293	236	A	V	
	5736.965	50.16	-18.14	68.3	40.39	34.7	8.42	33.35	293	236	P	V	



802.11ac VHT40 CH 134 5670MHz		5381.85	49.24	-24.76	74	40.27	34.5	7.7	33.23	110	80	P	H
		5469	46.93	-21.37	68.3	37.91	34.5	7.88	33.36	110	80	P	H
		5438.55	36.57	-17.43	54	27.6	34.5	7.79	33.32	110	80	A	H
	*	5670	103.15	-	-	93.47	34.64	8.41	33.37	110	80	P	H
		5670	96.12	-	-	86.44	34.64	8.41	33.37	110	80	A	H
		5728.075	57.97	-10.33	68.3	48.17	34.7	8.45	33.35	110	80	P	H
		5377.3	49.15	-24.85	74	40.19	34.5	7.69	33.23	278	236	P	V
		5465.15	48.65	-19.65	68.3	39.63	34.5	7.88	33.36	278	236	P	V
		5441	36.56	-17.44	54	27.59	34.5	7.79	33.32	278	236	A	V
	*	5670	105.19	-	-	95.51	34.64	8.41	33.37	278	236	P	V
		5670	96.74	-	-	87.06	34.64	8.41	33.37	278	236	A	V
		5726.15	53.04	-15.26	68.3	43.24	34.7	8.45	33.35	278	236	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz**  
**WIFI 802.11ac VHT40 (Harmonic @ 3m)**

WIFI Ant. 1+2	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 )
802.11ac		11020	46.48	-27.52	74	51.31	38.01	11.15	53.99	-	-	P	H
VHT40		16530	50.27	-18.03	68.3	48.16	41.3	14.29	53.48	-	-	P	H
CH 102		11020	47.64	-26.36	74	52.47	38.01	11.15	53.99	-	-	P	V
5510MHz		16530	50.8	-17.5	68.3	48.69	41.3	14.29	53.48	-	-	P	V
802.11ac		11100	47.39	-26.61	74	52.05	38.06	11.22	53.94	-	-	P	H
VHT40		16650	50.49	-17.81	68.3	47.78	41.51	14.35	53.15	-	-	P	H
CH 110		11100	47.67	-26.33	74	52.33	38.06	11.22	53.94	-	-	P	V
5550MHz		16650	50.8	-17.5	68.3	48.09	41.51	14.35	53.15	-	-	P	V
802.11ac		11340	47.33	-26.67	74	51.51	38.2	11.42	53.8	-	-	P	H
VHT40		17010	50.69	-17.61	68.3	46.25	42.09	14.56	52.21	-	-	P	H
CH 134		11340	47.02	-26.98	74	51.2	38.2	11.42	53.8	-	-	P	V
5670MHz		17010	50.35	-17.95	68.3	45.91	42.09	14.56	52.21	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





**Band 3 - 5470~5725MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT80 CH 106 5530MHz		5458	52.77	-21.23	74	43.79	34.5	7.84	33.36	100	32	P	H
		5465.68	55.23	-13.07	68.3	46.21	34.5	7.88	33.36	100	32	P	H
		5459.92	42.17	-11.83	54	33.19	34.5	7.84	33.36	100	32	A	H
	*	5530	98.21	-	-	89.15	34.5	7.96	33.4	100	32	P	H
		5530	90.94	-	-	81.88	34.5	7.96	33.4	100	32	A	H
		5730.35	49.83	-18.47	68.3	40.03	34.7	8.45	33.35	100	32	P	H
		5450.32	53.58	-20.42	74	44.56	34.5	7.84	33.32	297	236	P	V
		5469.04	54.48	-13.82	68.3	45.46	34.5	7.88	33.36	297	236	P	V
		5459.92	41.85	-12.15	54	32.87	34.5	7.84	33.36	297	236	A	V
	*	5530	99	-	-	89.94	34.5	7.96	33.4	297	236	P	V
		5530	90.84	-	-	81.78	34.5	7.96	33.4	297	236	A	V
		5737.28	50.35	-17.95	68.3	40.58	34.7	8.42	33.35	297	236	P	V
802.11ac VHT80 CH 122 5610MHz		5395.12	48.37	-25.63	74	39.39	34.5	7.71	33.23	101	122	P	H
		5468.56	49.69	-18.61	68.3	40.67	34.5	7.88	33.36	101	122	P	H
		5458.96	37.09	-16.91	54	28.11	34.5	7.84	33.36	101	122	A	H
	*	5610	98.75	-	-	89.64	34.52	7.97	33.38	101	122	P	H
		5610	90.79	-	-	81.68	34.52	7.97	33.38	101	122	A	H
		5725.1	50.7	-17.6	68.3	40.9	34.7	8.45	33.35	101	122	P	H
		5394.64	48.55	-25.45	74	39.57	34.5	7.71	33.23	305	237	P	V
		5461.6	48.04	-20.26	68.3	39.06	34.5	7.84	33.36	305	237	P	V
		5459.68	37.35	-16.65	54	28.37	34.5	7.84	33.36	305	237	A	V
	*	5610	99.72	-	-	90.61	34.52	7.97	33.38	305	237	P	V
	5610	91.58	-	-	82.47	34.52	7.97	33.38	305	237	A	V	
	5738.75	51.08	-17.22	68.3	41.31	34.7	8.42	33.35	305	237	P	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT80 CH 106 5530MHz		11060	47.26	-26.74	74	51.98	38.04	11.2	53.96	-	-	P	H
		16590	50.78	-17.52	68.3	48.4	41.4	14.32	53.34	-	-	P	H
		11060	47.17	-26.83	74	51.89	38.04	11.2	53.96	-	-	P	V
		16590	50.38	-17.92	68.3	48	41.4	14.32	53.34	-	-	P	V
802.11ac VHT80 CH 122 5610MHz		11220	47.32	-26.68	74	51.74	38.13	11.32	53.87	-	-	P	H
		16830	50.42	-17.88	68.3	46.84	41.81	14.44	52.67	-	-	P	H
		11220	46.7	-27.3	74	51.12	38.13	11.32	53.87	-	-	P	V
		16830	50.67	-17.63	68.3	47.09	41.81	14.44	52.67	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT160 (Band Edge @ 3m)**

WIFI Ant. 1+2	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)
802.11ac VHT160 CH114 5570MHz		5445.04	57.97	-16.03	74	49	34.5	7.79	33.32	100	75	P	H
		5469.28	58.32	-9.98	68.3	49.3	34.5	7.88	33.36	100	75	A	H
	*	5459.68	44.18	-9.82	54	35.2	34.5	7.84	33.36	100	75	P	H
		5570	95.46	-	-	86.38	34.5	7.97	33.39	100	75	A	H
		5570	89.14	-	-	80.06	34.5	7.97	33.39	100	75	P	H
		5728.46	56.91	-11.39	68.3	47.11	34.7	8.45	33.35	100	75	A	H
		5434	56.74	-17.26	74	47.77	34.5	7.79	33.32	276	238	P	V
		5463.76	57.09	-11.21	68.3	48.07	34.5	7.88	33.36	276	238	A	V
	*	5459.44	44.05	-9.95	54	35.07	34.5	7.84	33.36	276	238	P	V
		5570	94.9	-	-	85.82	34.5	7.97	33.39	276	238	A	V
		5570	88.94	-	-	79.86	34.5	7.97	33.39	276	238	P	V
		5740.115	56.05	-12.25	68.3	46.28	34.7	8.42	33.35	276	238	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 5470~5725MHz  
WIFI 802.11ac VHT160 (Harmonic @ 3m)**

WIFI Ant. 1+2	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)
802.11ac		11140	49.6	-24.4	74	50.17	38.08	11.25	49.9	-	-	P	H
VHT160		16710	50.56	-17.74	68.3	45.94	41.61	14.38	51.37	-	-	P	H
CH114		11140	49.91	-24.09	74	50.48	38.08	11.25	49.9	-	-	P	V
5570MHz		16710	51.24	-17.06	68.3	46.62	41.61	14.38	51.37	-	-	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 5470~5725MHz**  
**WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI Ant. 1+2	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 HE20 Full CH 100 5500MHz		5453.84	50.13	-23.87	74	41.15	34.5	7.84	33.36	103	19	P	H
		5468.24	49.43	-18.87	68.3	40.41	34.5	7.88	33.36	103	19	P	H
		5459.76	37.18	-16.82	54	28.2	34.5	7.84	33.36	103	19	A	H
	*	5500	102.94	-	-	93.88	34.5	7.96	33.4	103	19	P	H
		5500	95.3	-	-	86.24	34.5	7.96	33.4	103	19	A	H
		5429.04	49.35	-24.65	74	40.38	34.5	7.79	33.32	368	210	P	V
		5466.16	48.6	-19.7	68.3	39.58	34.5	7.88	33.36	368	210	P	V
		5459.92	37.04	-16.96	54	28.06	34.5	7.84	33.36	368	210	A	V
	*	5500	103.96	-	-	94.9	34.5	7.96	33.4	368	210	P	V
	5500	96.16	-	-	87.1	34.5	7.96	33.4	368	210	A	V	
802.11ax HE20 Full CH 116 5580MHz		5417.2	48.65	-25.35	74	39.67	34.5	7.75	33.27	114	79	P	H
		5463.28	47.73	-20.57	68.3	38.71	34.5	7.88	33.36	114	79	P	H
		5441.68	36.6	-17.4	54	27.63	34.5	7.79	33.32	114	79	A	H
	*	5580	102.82	-	-	93.74	34.5	7.97	33.39	114	79	P	H
		5580	95.41	-	-	86.33	34.5	7.97	33.39	114	79	A	H
		5741.375	49.6	-18.7	68.3	39.83	34.7	8.42	33.35	114	79	P	H
		5369.68	49.46	-24.54	74	40.46	34.5	7.69	33.19	337	210	P	V
		5470	48.56	-19.74	68.3	39.54	34.5	7.88	33.36	337	210	P	V
		5459.92	36.65	-17.35	54	27.67	34.5	7.84	33.36	337	210	A	V
*	5580	104.54	-	-	95.46	34.5	7.97	33.39	337	210	P	V	
	5580	96.56	-	-	87.48	34.5	7.97	33.39	337	210	A	V	
	5738.855	50.16	-18.14	68.3	40.39	34.7	8.42	33.35	337	210	P	V	
802.11ax HE20 Full CH 140 5700MHz	*	5700	104.59	-	-	94.73	34.7	8.52	33.36	103	122	P	H
		5700	96.07	-	-	86.21	34.7	8.52	33.36	103	122	A	H
		5725.08	53.31	-14.99	68.3	43.51	34.7	8.45	33.35	103	122	P	H
	*	5700	105.28	-	-	95.42	34.7	8.52	33.36	323	221	P	V
		5700	97.14	-	-	87.28	34.7	8.52	33.36	323	221	A	V
	5725.48	52.78	-15.52	68.3	42.98	34.7	8.45	33.35	323	221	P	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 5470~5725MHz**  
**WIFI 802.11ax HE20 (Harmonic @ 3m)**

WIFI Ant. 1+2	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		11000	47.9	-26.1	74	52.76	38	11.14	54	-	-	P	H
HE20 Full		16500	50.93	-17.37	68.3	48.99	41.25	14.27	53.58	-	-	P	H
CH 100		11000	47.28	-26.72	74	52.14	38	11.14	54	-	-	P	V
5500MHz		16500	50.6	-17.7	68.3	48.66	41.25	14.27	53.58	-	-	P	V
802.11ax		11160	46.59	-27.41	74	51.11	38.1	11.28	53.9	-	-	P	H
HE20 Full		16740	50.17	-18.13	68.3	47.02	41.66	14.4	52.91	-	-	P	H
CH 116		11160	47.39	-26.61	74	51.91	38.1	11.28	53.9	-	-	P	V
5580MHz		16740	50.67	-17.63	68.3	47.52	41.66	14.4	52.91	-	-	P	V
802.11ax		11400	46.29	-27.71	74	50.34	38.24	11.47	53.76	-	-	P	H
HE20 Full		17100	50.59	-17.71	68.3	46.2	41.97	14.69	52.27	-	-	P	H
CH 140		11400	48.42	-25.58	74	52.47	38.24	11.47	53.76	-	-	P	V
5700MHz		17100	50.32	-17.98	68.3	45.93	41.97	14.69	52.27	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 5470~5725MHz**  
**WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 HE20 Partial 106/53 CH 100 5500MHz		5441.2	49.5	-24.5	74	40.53	34.5	7.79	33.32	110	23	P	H
		5470	49.43	-18.87	68.3	40.41	34.5	7.88	33.36	110	23	P	H
		5457.68	36.97	-17.03	54	27.99	34.5	7.84	33.36	110	23	A	H
		5500	105.87	-	-	96.81	34.5	7.96	33.4	110	23	P	H
		5500	99.06	-	-	90	34.5	7.96	33.4	110	23	A	H
		5459.76	49.17	-24.83	74	40.19	34.5	7.84	33.36	318	239	P	V
		5466.8	49.41	-18.89	68.3	40.39	34.5	7.88	33.36	318	239	P	V
		5460	36.93	-17.07	54	27.95	34.5	7.84	33.36	318	239	A	V
		5500	105.61	-	-	96.55	34.5	7.96	33.4	318	239	P	V
		5500	99.09	-	-	90.03	34.5	7.96	33.4	318	239	A	V
802.11ax HE20 Partial 106/54 CH 140 5700MHz		5700	106.24	-	-	96.38	34.7	8.52	33.36	105	58	P	H
		5700	101.14	-	-	91.28	34.7	8.52	33.36	105	58	A	H
		5725.88	61.45	-6.85	68.3	51.65	34.7	8.45	33.35	105	58	P	H
		5700	108.69	-	-	98.83	34.7	8.52	33.36	314	239	P	V
		5700	100.49	-	-	90.63	34.7	8.52	33.36	314	239	A	V
		5725	55.04	-13.26	68.3	45.24	34.7	8.45	33.35	314	239	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 5470~5725MHz**  
**WIFI 802.11ax HE20 Partial 106 (Harmonic @ 3m)**

WIFI Ant. 1+2	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 HE20 Partial 106/53 CH 100 5500MHz		11000	46.61	-27.39	74	51.47	38	11.14	54	-	-	P	H
		16500	50.06	-18.24	68.3	48.12	41.25	14.27	53.58	-	-	P	H
		11000	46.82	-27.18	74	51.68	38	11.14	54	-	-	P	V
		16500	50.97	-17.33	68.3	49.03	41.25	14.27	53.58	-	-	P	V
802.11ax HE20 Partial 106/54 CH 140 5700MHz		11400	46.24	-27.76	74	50.29	38.24	11.47	53.76	-	-	P	H
		17100	50.97	-17.33	68.3	46.58	41.97	14.69	52.27	-	-	P	H
		11400	46.6	-27.4	74	50.65	38.24	11.47	53.76	-	-	P	V
		17100	50.03	-18.27	68.3	45.64	41.97	14.69	52.27	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 1+2, 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). Rows include 802.11ax HE40 Full CH 102 5510MHz and 802.11ax HE40 Full CH 110 5550MHz.





802.11ax HE40 Full CH 134 5670MHz		5389.55	48.66	-25.34	74	39.69	34.5	7.7	33.23	116	53	P	H
		5469.7	47.22	-21.08	68.3	38.2	34.5	7.88	33.36	116	53	P	H
		5438.9	36.75	-17.25	54	27.78	34.5	7.79	33.32	116	53	A	H
		5670	100.6	-	-	90.92	34.64	8.41	33.37	116	53	P	H
		5670	92.24	-	-	82.56	34.64	8.41	33.37	116	53	A	H
		5733.675	50.12	-18.18	68.3	40.32	34.7	8.45	33.35	116	53	P	H
		5395.5	47.98	-26.02	74	39	34.5	7.71	33.23	295	229	P	V
		5464.1	47.62	-20.68	68.3	38.6	34.5	7.88	33.36	295	229	P	V
		5441.7	36.74	-17.26	54	27.77	34.5	7.79	33.32	295	229	A	V
		5670	101.71	-	-	92.03	34.64	8.41	33.37	295	229	P	V
		5670	94.45	-	-	84.77	34.64	8.41	33.37	295	229	A	V
		5733.675	50.16	-18.14	68.3	40.36	34.7	8.45	33.35	295	229	P	V
Remark	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol>												



Band 3 5470~5725MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	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		11020	47	-27	74	51.83	38.01	11.15	53.99	-	-	P	H
HE40 Full		16530	50.35	-17.95	68.3	48.24	41.3	14.29	53.48	-	-	P	H
CH 102		11020	48.29	-25.71	74	53.12	38.01	11.15	53.99	-	-	P	V
5510MHz		16530	50.15	-18.15	68.3	48.04	41.3	14.29	53.48	-	-	P	V
802.11ax		11100	47.26	-26.74	74	51.92	38.06	11.22	53.94	-	-	P	H
HE40 Full		16650	50.13	-18.17	68.3	47.42	41.51	14.35	53.15	-	-	P	H
CH 110		11100	47.64	-26.36	74	52.3	38.06	11.22	53.94	-	-	P	V
5550MHz		16650	50.72	-17.58	68.3	48.01	41.51	14.35	53.15	-	-	P	V
802.11ax		11340	45.51	-28.49	74	49.69	38.2	11.42	53.8	-	-	P	H
HE40 Full		17010	50.72	-17.58	68.3	46.28	42.09	14.56	52.21	-	-	P	H
CH 134		11340	47.14	-26.86	74	51.32	38.2	11.42	53.8	-	-	P	V
5670MHz		17010	50.89	-17.41	68.3	46.45	42.09	14.56	52.21	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 5470~5725MHz**  
**WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 HE40 Partial 242/61 CH 102 5510MHz		5457.52	58.91	-15.09	74	49.93	34.5	7.84	33.36	110	22	P	H
		5468.32	65.93	-2.37	68.3	56.91	34.5	7.88	33.36	110	22	P	H
		5457.76	37.27	-16.73	54	28.29	34.5	7.84	33.36	110	22	A	H
		5510	105.24	-	-	96.18	34.5	7.96	33.4	110	22	P	H
		5510	97.97	-	-	88.91	34.5	7.96	33.4	110	22	A	H
		5745.155	49.24	-19.06	68.3	39.47	34.7	8.42	33.35	110	22	P	H
		5459.92	58.18	-15.82	74	49.2	34.5	7.84	33.36	302	243	P	V
		5465.2	65.95	-2.35	68.3	56.93	34.5	7.88	33.36	302	243	P	V
		5459.92	37.28	-16.72	54	28.3	34.5	7.84	33.36	302	243	A	V
		5510	105.66	-	-	96.6	34.5	7.96	33.4	302	243	P	V
		5510	97.68	-	-	88.62	34.5	7.96	33.4	302	243	A	V
		5742.95	49.18	-19.12	68.3	39.41	34.7	8.42	33.35	302	243	P	V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		5428.4	48.77	-25.23	74	39.84	34.5	7.75	33.32	109	17	P	H
		5465.85	48.1	-20.2	68.3	39.08	34.5	7.88	33.36	109	17	P	H
		5439.95	36.66	-17.34	54	27.69	34.5	7.79	33.32	109	17	A	H
		5670	104.53	-	-	94.85	34.64	8.41	33.37	109	17	P	H
		5670	97.45	-	-	87.77	34.64	8.41	33.37	109	17	A	H
		5727.725	56.71	-11.59	68.3	46.91	34.7	8.45	33.35	109	17	P	H
		5428.75	48.1	-25.9	74	39.13	34.5	7.79	33.32	332	242	P	V
		5462.35	47.67	-20.63	68.3	38.69	34.5	7.84	33.36	332	242	P	V
		5439.6	36.64	-17.36	54	27.67	34.5	7.79	33.32	332	242	A	V
		5670	106.53	-	-	96.85	34.64	8.41	33.37	332	242	P	V
		5670	98.97	-	-	89.29	34.64	8.41	33.37	332	242	A	V
		5752.05	49.8	-18.5	68.3	40.06	34.7	8.39	33.35	332	242	P	V

**Remark**

- No other spurious found.
- All results are PASS against Peak and Average limit line.



Band 3 5470~5725MHz

WIFI 802.11ax HE40 Partial 242 (Harmonic @ 3m)

WIFI Ant. 1+2	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 HE40 Partial 242/61 CH 102 5510MHz		11020	47.92	-26.08	74	52.75	38.01	11.15	53.99	-	-	P	H
		16530	50.17	-18.13	68.3	48.06	41.3	14.29	53.48	-	-	P	H
		11020	47.52	-26.48	74	52.35	38.01	11.15	53.99	-	-	P	V
		16530	50.79	-17.51	68.3	48.68	41.3	14.29	53.48	-	-	P	V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		11340	46.84	-27.16	74	51.02	38.2	11.42	53.8	-	-	P	H
		17010	50.43	-17.87	68.3	45.99	42.09	14.56	52.21	-	-	P	H
		11340	47.29	-26.71	74	51.47	38.2	11.42	53.8	-	-	P	V
		17010	50.35	-17.95	68.3	45.91	42.09	14.56	52.21	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 5470~5725MHz**  
**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

WIFI Ant. 1+2	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 CH 106 5530MHz		5456.08	52.57	-21.43	74	43.59	34.5	7.84	33.36	105	34	P	H
		5466.16	54.54	-13.76	68.3	45.52	34.5	7.88	33.36	105	34	P	H
		5459.92	41.15	-12.85	54	32.17	34.5	7.84	33.36	105	34	A	H
		5530	96.93	-	-	87.87	34.5	7.96	33.4	105	34	P	H
		5530	89.19	-	-	80.13	34.5	7.96	33.4	105	34	A	H
		5745.155	50.05	-18.25	68.3	40.28	34.7	8.42	33.35	105	34	P	H
		5458	53.61	-20.39	74	44.63	34.5	7.84	33.36	287	233	P	V
		5467.6	54	-14.3	68.3	44.98	34.5	7.88	33.36	287	233	P	V
		5459.68	41.33	-12.67	54	32.35	34.5	7.84	33.36	287	233	A	V
		5530	97.86	-	-	88.8	34.5	7.96	33.4	287	233	P	V
		5530	90.03	-	-	80.97	34.5	7.96	33.4	287	233	A	V
		5755.235	50.22	-18.08	68.3	40.47	34.71	8.39	33.35	287	233	P	V
802.11ax HE80 Full CH 122 5610MHz		5431.84	48.55	-25.45	74	39.58	34.5	7.79	33.32	104	33	P	H
		5469.04	49.27	-19.03	68.3	40.25	34.5	7.88	33.36	104	33	P	H
		5459.92	36.98	-17.02	54	28	34.5	7.84	33.36	104	33	A	H
		5610	96.76	-	-	87.65	34.52	7.97	33.38	104	33	P	H
		5610	89.68	-	-	80.57	34.52	7.97	33.38	104	33	A	H
		5734.55	49.44	-18.86	68.3	39.67	34.7	8.42	33.35	104	33	P	H
		5423.2	49.25	-24.75	74	40.27	34.5	7.75	33.27	288	228	P	V
		5469.76	48.56	-19.74	68.3	39.54	34.5	7.88	33.36	288	228	P	V
		5459.92	36.99	-17.01	54	28.01	34.5	7.84	33.36	288	228	A	V
		5610	98.26	-	-	89.15	34.52	7.97	33.38	288	228	P	V
	5610	90.64	-	-	81.53	34.52	7.97	33.38	288	228	A	V	
	5731.575	49.21	-19.09	68.3	39.41	34.7	8.45	33.35	288	228	P	V	

**Remark**

- No other spurious found.
- All results are PASS against Peak and Average limit line.



**Band 3 5470~5725MHz**

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

WIFI Ant. 1+2	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		11060	47.85	-26.15	74	52.57	38.04	11.2	53.96	-	-	P	H
HE80 Full		16590	50.64	-17.66	68.3	48.26	41.4	14.32	53.34	-	-	P	H
CH 106		11060	47.69	-26.31	74	52.41	38.04	11.2	53.96	-	-	P	V
5530MHz		16590	50.76	-17.54	68.3	48.38	41.4	14.32	53.34	-	-	P	V
802.11ax		11220	47.17	-26.83	74	51.59	38.13	11.32	53.87	-	-	P	H
HE80 Full		16830	50.27	-18.03	68.3	46.69	41.81	14.44	52.67	-	-	P	H
CH 122		11220	47.91	-26.09	74	52.33	38.13	11.32	53.87	-	-	P	V
5610MHz		16830	50.35	-17.95	68.3	46.77	41.81	14.44	52.67	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 3 5470~5725MHz**

**WIFI 802.11ax HE160 Full (Band Edge @ 3m)**

WIFI Ant. 1+2	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		5450.56	54.7	-19.3	74	45.68	34.5	7.84	33.32	100	88	P	H
		5460.4	53.46	-14.84	68.3	44.48	34.5	7.84	33.36	100	88	A	H
		5459.92	42.16	-11.84	54	33.18	34.5	7.84	33.36	100	88	P	H
		5570	96.93	-	-	87.85	34.5	7.97	33.39	100	88	A	H
		5570	90.07	-	-	80.99	34.5	7.97	33.39	100	88	P	H
HE160 Full		5726.885	52.52	-15.78	68.3	42.72	34.7	8.45	33.35	100	88	A	H
CH114		5459.2	56.57	-17.43	74	47.59	34.5	7.84	33.36	310	246	P	V
5570MHz		5470	55.36	-12.94	68.3	46.34	34.5	7.88	33.36	310	246	A	V
		5459.68	43.27	-10.73	54	34.29	34.5	7.84	33.36	310	246	P	V
		5570	95.92	-	-	86.84	34.5	7.97	33.39	310	246	A	V
		5570	89.04	-	-	79.96	34.5	7.97	33.39	310	246	P	V
		5734.445	52.95	-15.35	68.3	43.15	34.7	8.45	33.35	310	246	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 5470~5725MHz**  
**WIFI 802.11ax HE160 Full (Harmonic @ 3m)**

WIFI Ant. 1+2	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		11140	48.91	-25.09	74	49.48	38.08	11.25	49.9	-	-	P	H
HE160 Full		16710	50.81	-17.49	68.3	46.19	41.61	14.38	51.37	-	-	P	H
CH114		11140	48.4	-25.6	74	48.97	38.08	11.25	49.9	-	-	P	V
5570MHz		16710	51.04	-17.26	68.3	46.42	41.61	14.38	51.37	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 5470~5725MHz**  
**WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 Partial 484/65 CH 106 5530MHz		5437.84	63.65	-10.35	74	54.68	34.5	7.79	33.32	100	295	P	H
		5470	66.05	-2.25	68.3	57.03	34.5	7.88	33.36	100	295	P	H
		5459.92	40.57	-13.43	54	31.59	34.5	7.84	33.36	100	295	A	H
		5530	102.44	-	-	93.38	34.5	7.96	33.4	100	295	P	H
		5530	94.92	-	-	85.86	34.5	7.96	33.4	100	295	A	H
		5737.28	50.04	-18.26	68.3	40.27	34.7	8.42	33.35	100	295	P	H
		5439.04	60.4	-13.6	74	51.43	34.5	7.79	33.32	336	244	P	V
		5468.56	65.44	-2.86	68.3	56.42	34.5	7.88	33.36	336	244	P	V
		5458.48	39.83	-14.17	54	30.85	34.5	7.84	33.36	336	244	A	V
		5530	102.86	-	-	93.8	34.5	7.96	33.4	336	244	P	V
		5530	94.7	-	-	85.64	34.5	7.96	33.4	336	244	A	V
		5726.57	50.53	-17.77	68.3	40.73	34.7	8.45	33.35	336	244	P	V
802.11ax HE80 Partial 484/66 CH 122 5610MHz		5400.4	47.68	-26.32	74	38.7	34.5	7.71	33.23	100	122	P	H
		5464.72	46.99	-21.31	68.3	37.97	34.5	7.88	33.36	100	122	P	H
		5459.68	36.8	-17.2	54	27.82	34.5	7.84	33.36	100	122	A	H
		5610	100.9	-	-	91.79	34.52	7.97	33.38	100	122	P	H
		5610	93	-	-	83.89	34.52	7.97	33.38	100	122	A	H
		5740.325	49.4	-18.9	68.3	39.63	34.7	8.42	33.35	100	122	P	H
		5455.84	48.04	-25.96	74	39.06	34.5	7.84	33.36	306	243	P	V
		5466.16	48.61	-19.69	68.3	39.59	34.5	7.88	33.36	306	243	P	V
		5459.68	36.94	-17.06	54	27.96	34.5	7.84	33.36	306	243	A	V
		5610	103.62	-	-	94.51	34.52	7.97	33.38	306	243	P	V
		5610	95.81	-	-	86.7	34.52	7.97	33.38	306	243	A	V
		5758.175	49.8	-18.5	68.3	40.04	34.72	8.39	33.35	306	243	P	V

<b>Remark</b>	1. No other spurious found.
	2. All results are PASS against Peak and Average limit line.





**Band 3 5470~5725MHz**

**WIFI 802.11ax HE80 Partial 484 (Harmonic @ 3m)**

WIFI Ant. 1+2	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 Partial 484/65 CH 106 5530MHz		11060	46.8	-27.2	74	51.52	38.04	11.2	53.96	-	-	P	H
		16590	50.18	-18.12	68.3	47.8	41.4	14.32	53.34	-	-	P	H
		11060	46.64	-27.36	74	51.36	38.04	11.2	53.96	-	-	P	V
		16590	49.63	-18.67	68.3	47.25	41.4	14.32	53.34	-	-	P	V
802.11ax HE80 Partial 484/66 CH 122 5610MHz		11220	47.5	-26.5	74	51.92	38.13	11.32	53.87	-	-	P	H
		16830	50.03	-18.27	68.3	46.45	41.81	14.44	52.67	-	-	P	H
		11220	47.19	-26.81	74	51.61	38.13	11.32	53.87	-	-	P	V
		16830	49.78	-18.52	68.3	46.2	41.81	14.44	52.67	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 5470~5725MHz**  
**WIFI 802.11ax HE160 Partial 996(Band Edge @ 3m)**

WIFI Ant. 1+2	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 HE160 Partial 996/67 CH 114 5570MHz		5450.32	63.65	-10.35	74	54.63	34.5	7.84	33.32	100	23	Pk	H
		5461.36	59.97	-8.33	68.3	50.99	34.5	7.84	33.36	100	23	P	H
		5447.68	49.81	-4.19	54	40.79	34.5	7.84	33.32	100	23	A	H
		5570	98.03	-	-	88.95	34.5	7.97	33.39	100	23	P	H
		5570	89.42	-	-	80.34	34.5	7.97	33.39	100	23	A	H
		5729.09	59.91	-8.39	68.3	50.11	34.7	8.45	33.35	100	23	P	H
		5444.08	64.77	-9.23	74	55.8	34.5	7.79	33.32	298	235	P	V
		5470	58.98	-9.32	68.3	49.96	34.5	7.88	33.36	298	235	P	V
		5440.48	48.22	-5.78	54	39.25	34.5	7.79	33.32	298	235	A	V
		5570	98.23	-	-	89.15	34.5	7.97	33.39	298	235	P	V
		5570	91.49	-	-	82.41	34.5	7.97	33.39	298	235	A	V
	5726.57	63.36	-4.94	68.3	53.56	34.7	8.45	33.35	298	235	P	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 3 5470~5725MHz**  
**WIFI 802.11ax HE160 Partial 996 (Harmonic @ 3m)**

WIFI Ant. 1+2	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 HE160 Partial 996/67 CH 114 5570MHz		11140	48.43	-25.57	74	49	38.08	11.25	49.9	-	-	P	H
		16710	49.22	-19.08	68.3	44.6	41.61	14.38	51.37	-	-	P	H
		11140	49.11	-24.89	74	49.68	38.08	11.25	49.9	-	-	P	V
		16710	51.65	-16.65	68.3	47.03	41.61	14.38	51.37	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - Straddle Channel**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11a CH 144 5720MHz		5438.55	48.92	-25.08	74	39.95	34.5	7.79	33.32	100	130	P	H
		5462.75	48.84	-19.46	68.3	39.82	34.5	7.88	33.36	100	130	P	H
		5720	108.74	-	-	98.94	34.7	8.45	33.35	100	130	P	H
		5857.65	50.38	-17.92	68.3	40.35	34.92	8.44	33.33	100	130	P	H
		5441.85	37.39	-16.61	54	28.42	34.5	7.79	33.32	100	130	A	H
		5720	99.4	-	-	89.6	34.7	8.45	33.35	100	130	A	H
		5418.75	49.17	-24.83	74	40.19	34.5	7.75	33.27	294	237	P	V
		5466.05	48.89	-19.41	68.3	39.87	34.5	7.88	33.36	294	237	P	V
		5720	109.32	-	-	99.52	34.7	8.45	33.35	294	237	P	V
		5892.85	50.76	-17.54	68.3	40.6	34.99	8.5	33.33	294	237	P	V
		5434.7	37.35	-16.65	54	28.38	34.5	7.79	33.32	294	237	A	V
		5720	100.3	-	-	90.5	34.7	8.45	33.35	294	237	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 3 - Straddle Channel**  
**WIFI 802.11a (Harmonic @ 3m)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11a CH 144 5720MHz		11440	46.51	-27.49	74	50.49	38.26	11.5	53.74	-	-	P	H
		17160	49.57	-18.73	68.3	45.2	41.89	14.8	52.32	-	-	P	H
		11440	46.76	-27.24	74	50.74	38.26	11.5	53.74	-	-	P	V
		17160	49.68	-18.62	68.3	45.31	41.89	14.8	52.32	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT20 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 )
802.11ac VHT20 CH 144 5720MHz		5411.6	48.69	-25.31	74	39.71	34.5	7.75	33.27	100	125	P	H
		5467.7	48.8	-19.5	68.3	39.78	34.5	7.88	33.36	100	125	P	H
		5720	107.72	-	-	97.92	34.7	8.45	33.35	100	125	P	H
		5873.6	49.74	-18.56	68.3	39.65	34.95	8.47	33.33	100	125	P	H
		5458.35	37.33	-16.67	54	28.35	34.5	7.84	33.36	100	125	A	H
		5720	97.17	-	-	87.37	34.7	8.45	33.35	100	125	A	H
		5456.15	48.79	-25.21	74	39.81	34.5	7.84	33.36	294	237	P	V
		5466.6	48.19	-20.11	68.3	39.17	34.5	7.88	33.36	294	237	P	V
		5720	107.46	-	-	97.66	34.7	8.45	33.35	294	237	P	V
		5849.95	49.6	-	-	39.62	34.9	8.41	33.33	294	237	P	V
		5431.4	37.38	-16.62	54	28.41	34.5	7.79	33.32	294	237	A	V
	5720	98.14	-	-	88.34	34.7	8.45	33.35	294	237	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

WIFI Ant. 1+2	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 )
802.11ac VHT20 CH 144 5720MHz		11440	46.92	-27.08	74	50.9	38.26	11.5	53.74	-	-	P	H
		17160	50.21	-18.09	68.3	45.84	41.89	14.8	52.32	-	-	P	H
		11440	46.32	-27.68	74	50.3	38.26	11.5	53.74	-	-	P	V
		17160	49.62	-18.68	68.3	45.25	41.89	14.8	52.32	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT40 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 )
802.11ac VHT40 CH 142 5710MHz		5357.7	48.69	-25.31	74	39.7	34.5	7.68	33.19	100	124	P	H
		5466.05	48.19	-20.11	68.3	39.17	34.5	7.88	33.36	100	124	P	H
		5710	103.67	-	-	93.84	34.7	8.49	33.36	100	124	P	H
		5850	50.81	-17.49	68.3	40.83	34.9	8.41	33.33	100	124	P	H
		5458.35	37.51	-16.49	54	28.53	34.5	7.84	33.36	100	124	A	H
		5710	94.28	-	-	84.45	34.7	8.49	33.36	100	124	A	H
		5438	49.61	-24.39	74	40.64	34.5	7.79	33.32	294	235	P	V
		5463.85	48.77	-19.53	68.3	39.75	34.5	7.88	33.36	294	235	P	V
		5710	104.17	-	-	94.34	34.7	8.49	33.36	294	235	P	V
		5883.5	50.63	-17.67	68.3	40.52	34.97	8.47	33.33	294	235	P	V
		5455.05	37.32	-16.68	54	28.34	34.5	7.84	33.36	294	235	A	V
	5710	94.81	-	-	84.98	34.7	8.49	33.36	294	235	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ac VHT40 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 1+2, 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). Rows include 802.11ac VHT40 and CH 142 5710MHz.

Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 1+2, 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). Rows include 802.11ac VHT80 and CH 138 5690MHz.



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1+2	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)
802.11ac		11380	45.55	-28.45	74	49.63	38.23	11.46	53.77	-	-	P	H
VVHT80		17070	49.28	-19.02	68.3	44.88	42.01	14.64	52.25	-	-	P	H
CH 138		11380	46.31	-27.69	74	50.39	38.23	11.46	53.77	-	-	P	V
5690MHz		17070	49.71	-18.59	68.3	45.31	42.01	14.64	52.25	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 3 - Straddle Channel**  
**WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI Ant. 1+2	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 HE20 Full CH 144 5720MHz		5458.35	48.83	-25.17	74	39.85	34.5	7.84	33.36	100	127	P	H
		5466.05	49.43	-18.87	68.3	40.41	34.5	7.88	33.36	100	127	P	H
		5720	106.02	-	-	96.22	34.7	8.45	33.35	100	127	P	H
		5852.15	50.91	-17.39	68.3	40.93	34.9	8.41	33.33	100	127	P	H
		5433.6	37.36	-16.64	54	28.39	34.5	7.79	33.32	100	127	A	H
		5720	95.39	-	-	85.59	34.7	8.45	33.35	100	127	A	H
		5372	49.89	-24.11	74	40.89	34.5	7.69	33.19	293	238	P	V
		5464.4	48.51	-19.79	68.3	39.49	34.5	7.88	33.36	293	238	P	V
		5720	106.28	-	-	96.48	34.7	8.45	33.35	293	238	P	V
		5890.65	49.92	-18.38	68.3	39.77	34.98	8.5	33.33	293	238	P	V
	5438.55	37.51	-16.49	54	28.54	34.5	7.79	33.32	293	238	A	V	
	5720	95.8	-	-	86	34.7	8.45	33.35	293	238	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - Straddle Channel**  
**WIFI 802.11ax HE20 Full (Harmonic @ 3m)**

WIFI Ant. 1+2	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 HE20 Full CH 144 5720MHz		11440	46.34	-27.66	74	50.32	38.26	11.5	53.74	-	-	P	H
		17160	50.87	-17.43	68.3	46.5	41.89	14.8	52.32	-	-	P	H
		11440	46.48	-27.52	74	50.46	38.26	11.5	53.74	-	-	P	V
		17160	49.27	-19.03	68.3	44.9	41.89	14.8	52.32	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 3 - Straddle Channel**  
**WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 HE20 Partial 106/54 CH 144 5720MHz		5364.3	47.73	-26.27	74	38.73	34.5	7.69	33.19	100	126	P	H
		5466.05	45.61	-22.69	68.3	36.59	34.5	7.88	33.36	100	126	P	H
		5720	107.07	-	-	97.27	34.7	8.45	33.35	100	126	P	H
		5886.25	49.14	-19.16	68.3	39.03	34.97	8.47	33.33	100	126	P	H
		5440.75	37.32	-16.68	54	28.35	34.5	7.79	33.32	100	126	A	H
		5720	98.97	-	-	89.17	34.7	8.45	33.35	100	126	A	H
		5459.45	49	-25	74	40.02	34.5	7.84	33.36	279	231	P	V
		5468.25	49.22	-19.08	68.3	40.2	34.5	7.88	33.36	279	231	P	V
		5720	110.5	-	-	100.7	34.7	8.45	33.35	279	231	P	V
		5855.45	50.6	-17.7	68.3	40.58	34.91	8.44	33.33	279	231	P	V
		5431.95	37.26	-16.74	54	28.29	34.5	7.79	33.32	279	231	A	V
		5720	100.01	-	-	90.21	34.7	8.45	33.35	279	231	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





**Band 3 Straddle Channel**  
**WIFI 802.11ax HE20 Partial 106 (Harmonic @ 3m)**

WIFI Ant. 1+2	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 HE20 Partial 106/54 CH 144 5720MHz		11440	46.05	-27.95	74	50.03	38.26	11.5	53.74	-	-	P	H
		17160	49.28	-19.02	68.3	44.91	41.89	14.8	52.32	-	-	P	H
		11440	46.66	-27.34	74	50.64	38.26	11.5	53.74	-	-	P	V
		17160	50.84	-17.46	68.3	46.47	41.89	14.8	52.32	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 3 - Straddle Channel**  
**WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

WIFI Ant. 1+2	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 HE40 Full CH 142 5710MHz		5367.6	49.92	-24.08	74	40.92	34.5	7.69	33.19	100	124	P	H
		5468.8	49.25	-19.05	68.3	40.23	34.5	7.88	33.36	100	124	P	H
		5710	105.08	-	-	95.25	34.7	8.49	33.36	100	124	P	H
		5891.2	51.31	-16.99	68.3	41.16	34.98	8.5	33.33	100	124	P	H
		5429.2	37.23	-16.77	54	28.26	34.5	7.79	33.32	100	124	A	H
		5710	92.59	-	-	82.76	34.7	8.49	33.36	100	124	A	H
		5430.85	49.9	-24.1	74	40.93	34.5	7.79	33.32	293	236	P	V
		5467.7	48.85	-19.45	68.3	39.83	34.5	7.88	33.36	293	236	P	V
		5710	103.42	-	-	93.59	34.7	8.49	33.36	293	236	P	V
		5872.5	50.6	-17.7	68.3	40.52	34.94	8.47	33.33	293	236	P	V
		5431.95	37.39	-16.61	54	28.42	34.5	7.79	33.32	293	236	A	V
		5710	92.83	-	-	83	34.7	8.49	33.36	293	236	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - Straddle Channel**  
**WIFI 802.11ax HE40 Full (Harmonic @ 3m)**

WIFI Ant. 1+2	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		11420	45.77	-28.23	74	49.78	38.25	11.49	53.75	157	285	P	H
HE40 Full		17130	51.82	-16.48	68.3	47.43	41.93	14.75	52.29	165	246	P	H
CH 142		11420	46.81	-27.19	74	50.82	38.25	11.49	53.75	122	291	P	V
5710MHz		17130	50.49	-17.81	68.3	46.1	41.93	14.75	52.29	153	102	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 3 5470~5725MHz**  
**WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 HE40 Partial 242/62 CH 142 5710MHz		5458.9	49.45	-24.55	74	40.47	34.5	7.84	33.36	100	122	P	H
		5463.3	48.53	-19.77	68.3	39.51	34.5	7.88	33.36	100	122	P	H
		5710	108.39	-	-	98.56	34.7	8.49	33.36	100	122	P	H
		5887.35	50.67	-17.63	68.3	40.56	34.97	8.47	33.33	100	122	P	H
		5438.55	37.4	-16.6	54	28.43	34.5	7.79	33.32	100	122	A	H
		5710	96.43	-	-	86.6	34.7	8.49	33.36	100	122	A	H
		5452.3	49.9	-24.1	74	40.88	34.5	7.84	33.32	279	232	P	V
		5468.25	48.71	-19.59	68.3	39.69	34.5	7.88	33.36	279	232	P	V
		5710	108.5	-	-	98.67	34.7	8.49	33.36	279	232	P	V
		5869.75	50.46	-17.84	68.3	40.41	34.94	8.44	33.33	279	232	P	V
		5441.85	37.4	-16.6	54	28.43	34.5	7.79	33.32	279	232	A	V
		5710	97.59	-	-	87.76	34.7	8.49	33.36	279	232	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 Straddle Channel**

**WIFI 802.11ax HE40 Partial 242 (Harmonic @ 3m)**

WIFI Ant. 1+2	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 HE40 Partial 242/62 CH 142 5710MHz		11420	45.42	-28.58	74	49.43	38.25	11.49	53.75	-	-	P	H
		17130	49.42	-18.88	68.3	45.03	41.93	14.75	52.29	-	-	P	H
		11420	46.85	-27.15	74	50.86	38.25	11.49	53.75	-	-	P	V
		17130	50.54	-17.76	68.3	46.15	41.93	14.75	52.29	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 3 Straddle Channel**

**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

WIFI Ant. 1+2	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 CH 138 5690MHz		5416	48.82	-25.18	74	39.84	34.5	7.75	33.27	100	122	P	H
		5460.55	48.96	-19.34	68.3	39.98	34.5	7.84	33.36	100	122	P	H
		5690	99.95	-	-	90.11	34.68	8.52	33.36	100	122	P	H
		5871.4	50.82	-17.48	68.3	40.74	34.94	8.47	33.33	100	122	P	H
		5446.25	37.46	-16.54	54	28.44	34.5	7.84	33.32	100	122	A	H
		5690	88.86	-	-	79.02	34.68	8.52	33.36	100	122	A	H
		5395.1	49	-25	74	40.02	34.5	7.71	33.23	296	236	P	V
		5462.2	48.59	-19.71	68.3	39.61	34.5	7.84	33.36	296	236	P	V
		5690	100.59	-	-	90.75	34.68	8.52	33.36	296	236	P	V
		5890.1	51.43	-16.87	68.3	41.28	34.98	8.5	33.33	296	236	P	V
		5455.05	37.33	-16.67	54	28.35	34.5	7.84	33.36	296	236	A	V
		5690	89.66	-	-	79.82	34.68	8.52	33.36	296	236	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 1+2, 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). Rows include 802.11ax HE80 Full and CH 138 5690MHz.

Band 3 5470~5725MHz

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

Table with 14 columns: WIFI Ant. 1+2, 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). Rows include 802.11ax HE80 Partial 484/66 and CH 138 5690MHz.



**Band 3 Straddle Channel**  
**WIFI 802.11ax HE80 Partial 484 (Harmonic @ 3m)**

WIFI Ant. 1+2	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 Partial 484/66 CH 138 5690MHz		11380	46.05	-27.95	74	50.03	38.26	11.5	53.74	-	-	P	H
		17070	49.28	-19.02	68.3	44.91	41.89	14.8	52.32	-	-	P	H
		11380	46.66	-27.34	74	50.64	38.26	11.5	53.74	-	-	P	V
		17070	50.84	-17.46	68.3	46.47	41.89	14.8	52.32	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Emission below 1GHz**

**WIFI 802.11ax HE80 Partial 484 (LF @ 3m)**

WIFI Ant. 1+2	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 Partial 484 LF		50.37	20.31	-19.69	40	35.96	15.42	0.63	31.7	-	-	P	H
		91.11	26.12	-17.38	43.5	40.62	16.11	0.83	31.44	-	-	P	H
		133.79	22.33	-21.17	43.5	34.71	18.14	1.01	31.53	-	-	P	H
		175.5	22.64	-20.86	43.5	36.82	16.08	1.09	31.35	-	-	P	H
		590.66	24.79	-21.21	46	28.28	25.41	2.08	30.98	-	-	P	H
		815.7	27.63	-18.37	46	29.26	26.85	2.45	30.93	-	-	P	H
		55.22	27.58	-12.42	40	44.58	14.32	0.63	31.95	-	-	P	V
		91.11	26.19	-17.31	43.5	40.69	16.11	0.83	31.44	-	-	P	V
		172.59	26.68	-16.82	43.5	40.74	16.2	1.09	31.35	-	-	P	V
		262.8	19.62	-26.38	46	29.78	19.79	1.22	31.17	-	-	P	V
		584.84	24.66	-21.34	46	28.23	25.32	2.08	30.97	-	-	P	V
		897.18	28.32	-17.68	46	29.71	27.16	2.54	31.09	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Co-location

Band 3 - 5470~5725MHz

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

WIFI Ant. 1+2	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 Partial 484/65 CH 106+ LTE B42 5530MHz		5440.96	59.28	-14.72	74	50.31	34.5	7.79	33.32	100	118	P	H
		5469.76	62.26	-6.04	68.3	53.24	34.5	7.88	33.36	100	118	P	H
		5459.92	39.73	-14.27	54	30.75	34.5	7.84	33.36	100	118	A	H
		5530	94.98	-	-	85.92	34.5	7.96	33.4	100	118	P	H
		5530	87.76	-	-	78.7	34.5	7.96	33.4	100	118	A	H
		5725.94	47.28	-21.02	68.3	37.48	34.7	8.45	33.35	100	118	P	H
		5441.44	58.47	-15.53	74	49.5	34.5	7.79	33.32	285	234	P	V
		5469.52	62.08	-6.22	68.3	53.06	34.5	7.88	33.36	285	234	P	V
		5459.92	40.13	-13.87	54	31.15	34.5	7.84	33.36	285	234	A	V
		5530	99.03	-	-	89.97	34.5	7.96	33.4	285	234	P	V
		5530	91.58	-	-	82.52	34.5	7.96	33.4	285	234	A	V
		5747.99	47.97	-20.33	68.3	38.2	34.7	8.42	33.35	285	234	P	V
802.11ax HE80 Partial 484/65 CH 106+ LTE B42+ BLE_CH39 5530MHz		5440.72	61.25	-12.75	74	52.28	34.5	7.79	33.32	100	119	P	H
		5465.2	64.08	-4.22	68.3	55.06	34.5	7.88	33.36	100	119	P	H
		5459.92	40.21	-13.79	54	31.23	34.5	7.84	33.36	100	119	A	H
		5530	103.95	-	-	94.89	34.5	7.96	33.4	100	119	P	H
		5530	95.94	-	-	86.88	34.5	7.96	33.4	100	119	A	H
		5736.965	50.97	-17.33	68.3	41.2	34.7	8.42	33.35	100	119	P	H
		5459.44	61	-13	74	52.02	34.5	7.84	33.36	297	232	P	V
		5465.44	64.81	-3.49	68.3	55.79	34.5	7.88	33.36	297	232	P	V
		5459.92	39.95	-14.05	54	30.97	34.5	7.84	33.36	297	232	A	V
		5530	102.85	-	-	93.79	34.5	7.96	33.4	297	232	P	V
		5530	94.75	-	-	85.69	34.5	7.96	33.4	297	232	A	V
		5733.815	49.73	-18.57	68.3	39.93	34.7	8.45	33.35	297	232	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WiFi Ant. 1+2	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		2480	95.81	-	-	92.3	32.14	4.99	33.62	335	324	P	H
HE80 Partial		2480	94.84	-	-	91.33	32.14	4.99	33.62	335	324	A	H
484/65		2491.32	52.16	-21.84	74	48.63	32.12	5.01	33.6	335	324	P	H
CH 106+ LTE		2499.08	40.7	-13.3	54	37.19	32.1	5.01	33.6	335	324	A	H
B42+		2480	93.78	-	-	90.27	32.14	4.99	33.62	376	244	P	V
BLE_CH39		2480	93.03	-	-	89.52	32.14	4.99	33.62	376	244	A	V
5530MHz		2486.92	52.4	-21.6	74	48.9	32.13	4.99	33.62	376	244	P	V
		2488.04	40.7	-13.3	54	37.19	32.12	5.01	33.62	376	244	A	V
802.11ax		5459.44	61.59	-12.41	74	52.61	34.5	7.84	33.36	100	121	P	H
		5469.76	65.81	-2.49	68.3	56.79	34.5	7.88	33.36	100	121	P	H
802.11ax		5459.92	39.64	-14.36	54	30.66	34.5	7.84	33.36	100	121	A	H
HE80 Partial		5530	103.26	-	-	94.2	34.5	7.96	33.4	100	121	P	H
484/65		5530	95.49	-	-	86.43	34.5	7.96	33.4	100	121	A	H
CH 106+ LTE		5757.755	49.45	-18.85	68.3	39.69	34.72	8.39	33.35	100	121	P	H
B42+		5458.96	62.56	-11.44	74	53.58	34.5	7.84	33.36	337	233	P	V
11ax_CH11		5469.76	64.94	-3.36	68.3	55.92	34.5	7.88	33.36	337	233	P	V
5530MHz		5459.92	41.41	-12.59	54	32.43	34.5	7.84	33.36	337	233	A	V
		5530	101.83	-	-	92.77	34.5	7.96	33.4	337	233	P	V
		5530	94.56	-	-	85.5	34.5	7.96	33.4	337	233	A	V
		5728.775	49.49	-18.81	68.3	39.69	34.7	8.45	33.35	337	233	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1+2	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		2462	113.89	-	-	110.36	32.18	4.98	33.63	114	304	P	H
HE80 Partial		2462	103.73	-	-	100.2	32.18	4.98	33.63	114	304	A	H
484/65		2485.04	65.33	-8.67	74	61.83	32.13	4.99	33.62	114	304	P	H
CH 106+ LTE		2483.52	39.54	-14.46	54	36.04	32.13	4.99	33.62	114	304	A	H
B42+		2462	114.27	-	-	110.74	32.18	4.98	33.63	193	258	P	V
11ax_CH11		2462	104.15	-	-	100.62	32.18	4.98	33.63	193	258	A	V
5530MHz		2484.8	64.41	-9.59	74	60.91	32.13	4.99	33.62	193	258	P	V
		2483.52	39.82	-14.18	54	36.32	32.13	4.99	33.62	193	258	A	V

**Band 3 5470~5725MHz**

**WIFI 802.11ax HE80 Partial 484 (Harmonic @ 3m)**

WIFI Ant. 1+2	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		6986.5	43.26	-25.04	68.3	53.31	35.5	8.72	54.27	-	-	P	H
		10479.75	45.01	-23.29	68.3	50.2	37.28	10.87	53.34	-	-	P	H
		11060	46.24	-27.76	74	50.96	38.04	11.2	53.96	-	-	P	H
	HE80 Partial		13973	48.18	-20.12	68.3	49.74	38.8	12.74	53.1	-	-	P
484/65		16590	51.18	-17.12	68.3	48.8	41.4	14.32	53.34	-	-	P	H
CH 106+ LTE		6986.5	43.21	-25.09	68.3	53.26	35.5	8.72	54.27	-	-	P	V
B42		10479.75	45.03	-23.27	68.3	50.22	37.28	10.87	53.34	-	-	P	V
5530MHz		11060	46.8	-27.2	74	51.52	38.04	11.2	53.96	-	-	P	V
		13973	49.34	-18.96	68.3	50.9	38.8	12.74	53.1	-	-	P	V
		16590	51.22	-17.08	68.3	48.84	41.4	14.32	53.34	-	-	P	V
802.11ax		4960	50.77	-23.23	74	42.34	33.82	7.22	32.61	-	-	P	H
HE80 Partial		6986.5	43.65	-24.65	68.3	53.7	35.5	8.72	54.27	-	-	P	
484/65		7440	43.65	-30.35	74	53.06	35.68	8.95	54.04	-	-	P	H
CH 106+ LTE		10479.75	45.36	-22.94	68.3	50.55	37.28	10.87	53.34	-	-	P	
B42+		11060	47.3	-26.7	74	52.02	38.04	11.2	53.96	-	-	P	H
BLE_CH39		13973	48.41	-19.89	68.3	49.97	38.8	12.74	53.1	-	-	P	
5530MHz		16590	51.41	-16.89	68.3	49.03	41.4	14.32	53.34	-	-	P	H
		4960	50.32	-23.68	74	41.89	33.82	7.22	32.61	-	-	P	V





		6986.5	42.66	-25.64	68.3	52.71	35.5	8.72	54.27	-	-	P	
		7440	44.21	-29.79	74	53.62	35.68	8.95	54.04	-	-	P	
		10479.75	46.35	-21.95	68.3	51.54	37.28	10.87	53.34	-	-	P	V
		11060	46.61	-27.39	74	51.33	38.04	11.2	53.96	-	-	P	V
		13973	48.36	-19.94	68.3	49.92	38.8	12.74	53.1	-	-	P	V
		16590	50.7	-17.6	68.3	48.32	41.4	14.32	53.34	-	-	P	V
<b>802.11ax</b> <b>HE80 Partial</b> <b>484/65</b> <b>CH 106+ LTE</b> <b>B42+</b> <b>11ax_CH11</b> <b>5530MHz</b>		4924	48.97	-25.03	74	40.57	33.8	7.22	32.62	-	-	P	H
		6986.5	45.63	-22.67	68.3	53.33	35.5	8.72	51.92	-	-	P	H
		7386	46.91	-27.09	74	53.99	35.65	8.95	51.68	-	-	P	H
		10479.75	47.72	-20.58	68.3	50.25	37.28	10.87	50.68	-	-	P	H
		11060	50.15	-23.85	74	50.8	38.04	11.2	49.89	-	-	P	H
		16590	52.16	-16.14	68.3	47.81	41.4	14.32	51.37	-	-	P	H
		4924	48.97	-25.03	74	40.57	33.8	7.22	32.62	-	-	P	H
		4924	50.17	-23.83	74	41.77	33.8	7.22	32.62	-	-	P	V
		6986.5	44.08	-24.22	68.3	54.13	35.5	8.72	54.27	-	-	P	V
		7386	43.67	-30.33	74	53.14	35.65	8.95	54.07	-	-	P	V
		10479.5	46.83	-21.47	68.3	52.02	37.28	10.87	53.34	-	-	P	V
		11060	45.19	-28.81	74	49.91	38.04	11.2	53.96	-	-	P	V
		13973	50.87	-17.43	68.3	50.16	38.8	12.74	50.83	-	-	P	V
	16590	52.5	-15.8	68.3	48.15	41.4	14.32	51.37	-	-	P	V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Note symbol

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



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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
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)

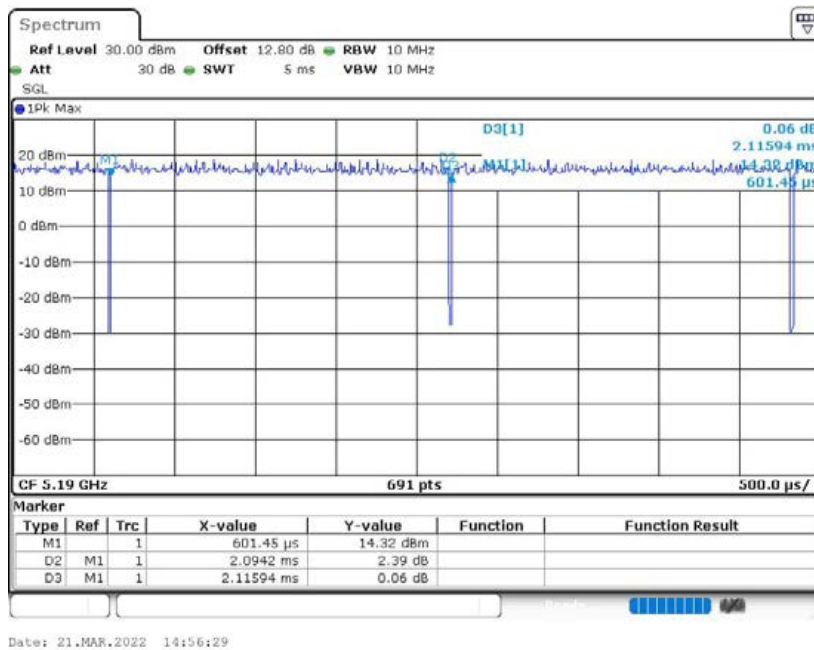
**Both peak and average measured complies with the limit line, so test result is “PASS”.**



## Appendix D. Duty Cycle Plots

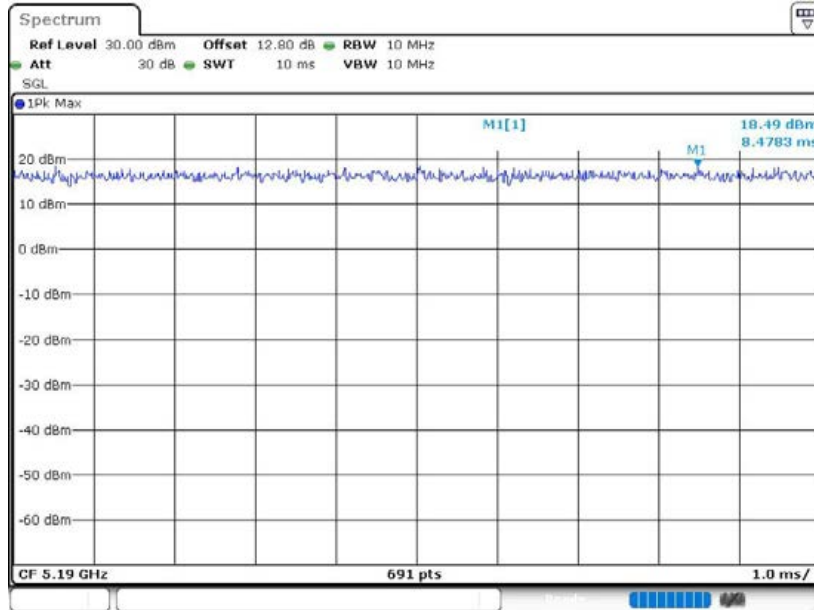
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	98.97	-	-	10Hz
802.11ac VHT20	100	-	-	10Hz
802.11ac VHT40	100	-	-	10Hz
802.11ac VHT80	100	-	-	10Hz
802.11ac VHT160	100	-	-	10Hz
802.11ax HE20	100	-	-	10Hz
802.11ax HE40	100	-	-	10Hz
802.11ax HE80	100	-	-	10Hz
802.11ax HE160	100	-	-	10Hz

### 802.11a



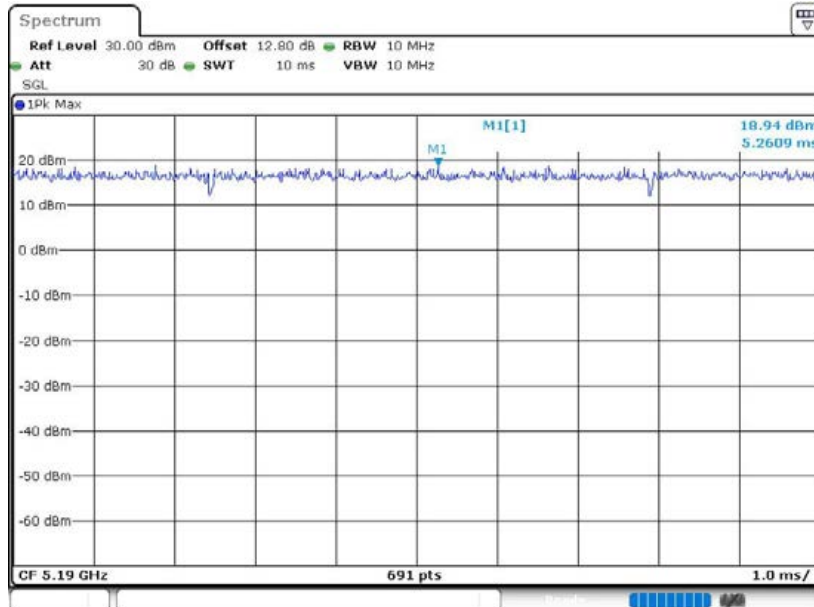


### 802.11ac VHT20



Date: 21.MAR.2022 14:58:58

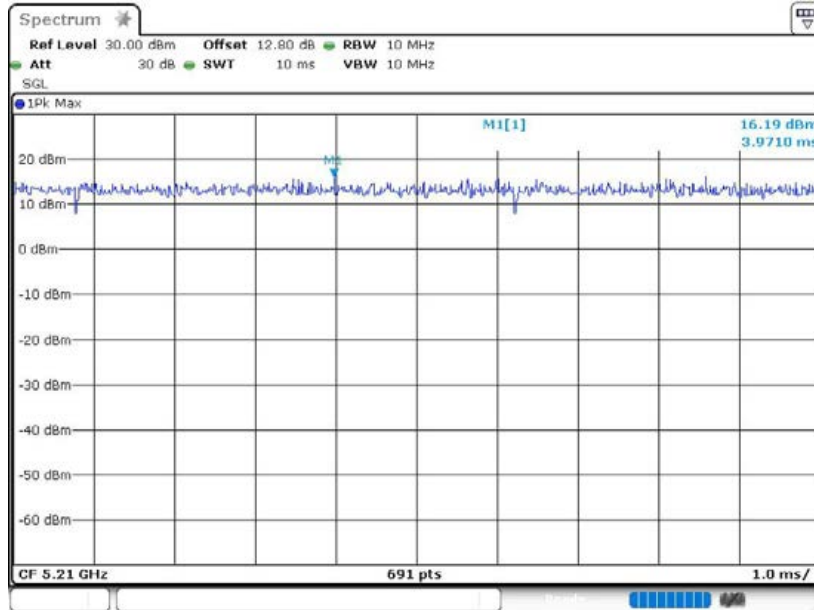
### 802.11ac VHT40



Date: 21.MAR.2022 15:03:24

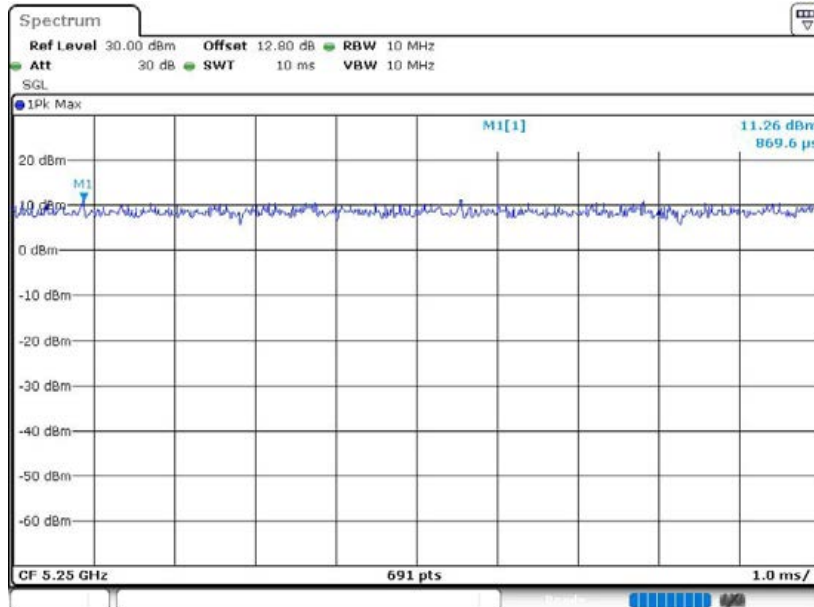


802.11ac VHT80



Date: 21.MAR.2022 15:04:53

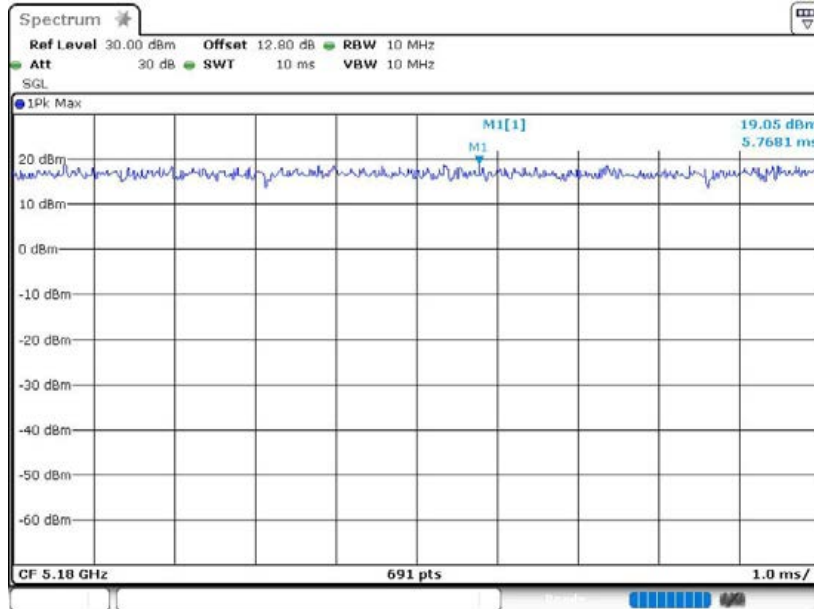
802.11ac VHT160



Date: 21.MAR.2022 15:07:28



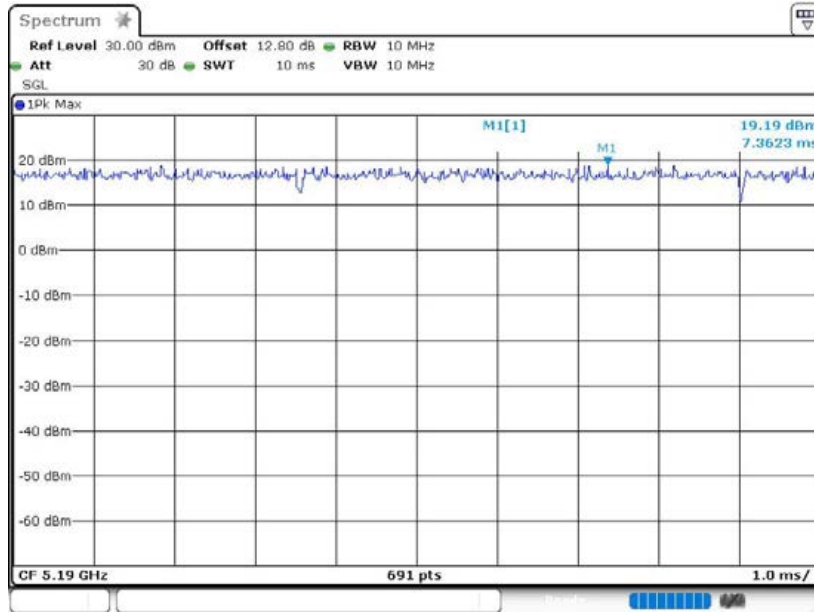
802.11ax HE20



Date: 21.MAR.2022 15:02:03

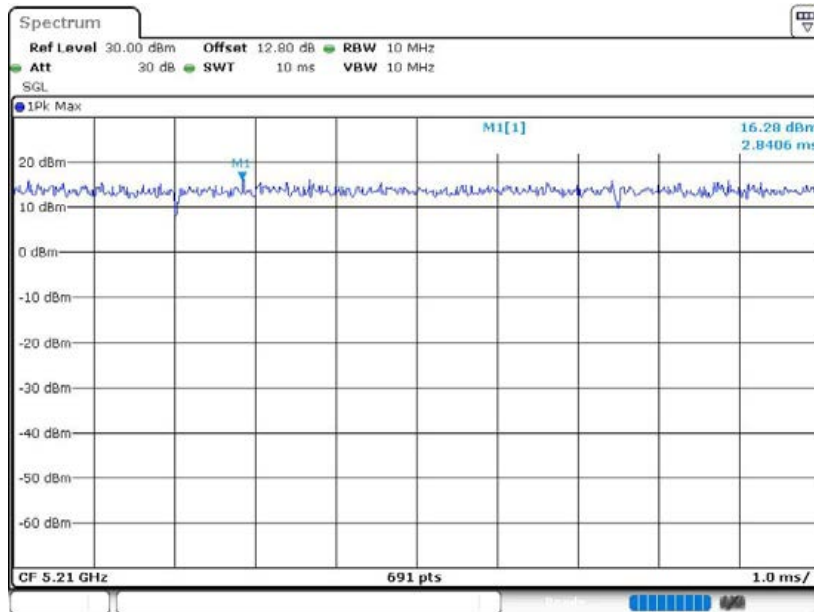


802.11ax HE40



Date: 21.MAR.2022 15:02:28

802.11ax HE80

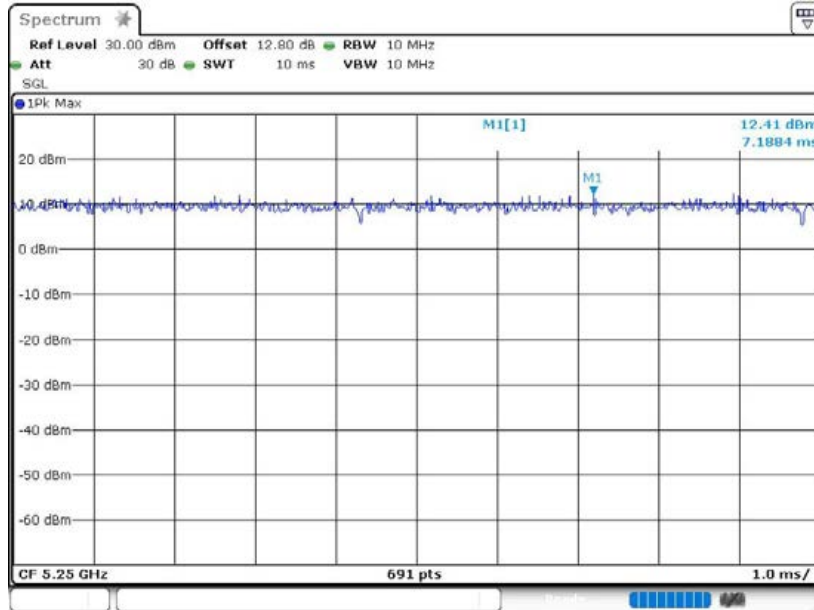


Date: 21.MAR.2022 15:05:50





802.11ax HE160



Date: 21.MAR.2022 15:06:41