FCC RF Test Report

APPLICANT	:	Motorola Mobility LLC
EQUIPMENT	:	Mobile Cellular Phone
BRAND NAME	:	Motorola
MODEL NAME	:	XT2243-1
FCC ID	:	IHDT56AF5
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure
TEST DATE(S)	:	Jun. 04, 2022 ~ Jun. 18, 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

ACCREDITED Cert #5145.01

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
FR242301E	Rev. 01	Initial issue of report	Jun. 29, 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 3.03 dB at 5398.800 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 6.75 dB at 0.150 MHz
3.6	15.203 & 15.407(a)	Antenna Requirement	15.203 & 15.407(a)	Pass	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Applicant

Motorola Mobility LLC
222 W, Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC
222 W, Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2243-1
FCC ID	IHDT56AF5
IMEI Code	Conducted:353593830017874/353593830017882 Conduction: 353593830020878/353593830020886 Radiation: 353593830028236/353593830028244
HW Version	DVT2
SW Version	SSJ32.60
EUT Stage	Identical Prototype

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	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna	**<MIMO Ant. 1+2>** **<5180 MHz ~ 5240 MHz>** 802.11a : 19.47 dBm / 0.0885 W 802.11n HT20 : 18.20 dBm / 0.0661 W 802.11n HT40 : 18.62 dBm / 0.0728 W 802.11ac VHT20 : 19.22 dBm / 0.0836 W 802.11ac VHT40 : 19.86 dBm / 0.0968 W 802.11ac VHT80 : 16.27 dBm / 0.0424 W 802.11ac VHT160 : 14.14 dBm / 0.0518 W 802.11ax HE20 : 19.46 dBm / 0.0883 W 802.11ax HE40 : 17.91 dBm / 0.0618 W 802.11ax HE80 : 16.23 dBm / 0.0420 W 802.11ax HE160 : 14.15 dBm / 0.0260 W **<5260 MHz ~ 5320 MHz>** 802.11a : 19.80 dBm / 0.0955 W

	802.11n HT20 : 18.46 dBm / 0.0701 W 802.11n HT40 : 19.17 dBm / 0.0826 W 802.11ac VHT20 : 19.54 dBm / 0.0899 W 802.11ac VHT40 : 19.17 dBm / 0.0826 W 802.11ac VHT80 : 17.18 dBm / 0.0522 W 802.11ax HE20 : 19.72 dBm / 0.0938 W 802.11ax HE40 : 18.33 dBm / 0.0681 W 802.11ax HE80 : 16.60 dBm / 0.0457 W **<5500 MHz ~ 5720 MHz >** 802.11a : 18.81 dBm / 0.0760 W 802.11n HT20 : 17.55 dBm / 0.0569 W 802.11n HT40 : 17.85 dBm / 0.0610 W 802.11ac VHT20 : 18.55 dBm / 0.0716 W 802.11ac VHT40 : 18.98 dBm / 0.0791 W 802.11ac VHT80 : 17.72 dBm / 0.0592 W 802.11ac VHT160 : 14.76 dBm / 0.0299 W 802.11ax HE20 : 18.73 dBm / 0.0746 W 802.11ax HE40 : 17.33 dBm / 0.0541 W 802.11ax HE80 : 17.04 dBm / 0.0506 W 802.11ax HE160 : 14.64 dBm / 0.0291 W
99% Occupied Bandwidth	**<Ant. 1>** **<5180 MHz ~ 5240 MHz>** 802.11a : 16.48 MHz 802.11ac VHT20 : 17.58 MHz 802.11ac VHT40 : 36.86 MHz 802.11ac VHT80 : 75.04 MHz 802.11ac VHT160 : 155.36 MHz 802.11ax HE20 : 18.98 MHz 802.11ax HE40 : 37.86 MHz 802.11ax HE80 : 76.84 MHz 802.11ax HE160 : 155.84 MHz **<5260 MHz ~ 5320 MHz>** 802.11a : 16.48 MHz 802.11ac VHT20 : 17.63 MHz 802.11ac VHT40 : 36.96 MHz 802.11ac VHT80 : 75.16 MHz 802.11ax HE20 : 19.03 MHz 802.11ax HE40 : 37.86 MHz 802.11ax HE80 : 76.72 MHz **<5500 MHz ~ 5720 MHz >** 802.11a : 16.33 MHz 802.11ac VHT20 : 17.53 MHz 802.11ac VHT40 : 36.36 MHz 802.11ac VHT80 : 75.04 MHz 802.11ac VHT160 : 154.17 MHz 802.11ax HE20 : 18.93 MHz 802.11ax HE40 : 37.86 MHz 802.11ax HE80 : 76.84 MHz 802.11ax HE160 : 155.60 MHz **<Ant. 2>** **<5180 MHz ~ 5240 MHz>** 802.11a : 16.38 MHz 802.11ac VHT20 : 17.53 MHz 802.11ac VHT40 : 36.06 MHz 802.11ac VHT80 : 74.93 MHz 802.11ac VHT160 : 154.41 MHz

<table>
<tr><td></td><td>802.11ax HE20 : 18.88 MHz
802.11ax HE40 : 37.76 MHz
802.11ax HE80 : 76.72 MHz
802.11ax HE160 : 155.36 MHz
<5260 MHz ~ 5320 MHz>
802.11a : 16.33 MHz
802.11ac VHT20 : 17.53 MHz
802.11ac VHT40 : 36.06 MHz
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802.11ac VHT160 : 153.93 MHz
802.11ax HE20 : 18.93 MHz
802.11ax HE40 : 37.76 MHz
802.11ax HE80 : 76.84 MHz
802.11ax HE160 : 155.36 MHz</td></tr>
<tr><td>Antenna Type / Gain</td><td><5180 MHz ~ 5240 MHz>
<Ant. 1> : IFA Antenna with gain -5.10 dBi
<Ant. 2> : IFA Antenna with gain -2.50 dBi
<5260 MHz ~ 5320 MHz>
<Ant. 1> : IFA Antenna with gain -4.50 dBi
<Ant. 2> : IFA Antenna with gain -2.40 dBi
<5500 MHz ~ 5720 MHz>
<Ant. 1> : IFA Antenna with gain -4.90 dBi
<Ant. 2> : IFA Antenna with gain -3.60 dBi</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac/ax : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)</td></tr>
<tr><td>Antenna Function Description</td><td><table><tr><td></td><td>Ant. 1</td><td>Ant. 2</td></tr><tr><td>802.11 a/n/ac/ax MIMO</td><td>V</td><td>V</td></tr></table></td></tr>
</table>

Note:

1. Note: For 802.11n HT20 / ac VHT20 / ax HE20 and 802.11n HT40 / ac VHT40 / ax HE40 mode, the whole testing have assessed only 802.11ax HE20/ac VHT40 by referring to their maximum conducted power.
2. WIFI support MIMO only and STBC by manufacturer declared.
3. WIFI do not support OFDMA partial RU tone mode.
4. WLAN 5G Ant. 1 / Ant. 2 corresponding to EUT Photo Ant. 5 / Ant. 4

1.5 Modification of EUT

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

1.6 Specification of Accessory

Specification of Accessory				
AC Adapter (US)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-681L
AC Adapter (EU)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-682L
AC Adapter (UK)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-683L
AC Adapter (AU)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-685L
AC Adapter (AR)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-686L
AC Adapter (BR)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-687L
AC Adapter (PRC)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-688L
AC Adapter (CHILE)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-689L
Battery 1	**Brand Name**	Motorola (ATL)	**Model Name**	NP44
Battery 2	**Brand Name**	Motorola (Sunwoda)	**Model Name**	NP44
Earphone 1	**Brand Name**	Motorola (Lyand)	**Model Name**	MD211(SH38D20195)
Earphone 2	**Brand Name**	Motorola (LCHSE)	**Model Name**	MD211(SH38D41948)
USB Cable	**Brand Name**	Motorola (Saibao)	**Model Name**	SC18D58980\SC18D24968
Type C to HDMI HDMI/ USBC Cable 1	**Brand Name**	Motorola (Linxee)	**Model Name**	SC18D02146
Type C to HDMI HDMI/ USBC Cable 2	**Brand Name**	Motorola (Linxee)	**Model Name**	SC18D38847

1.7 Testing Location

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

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	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		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	CO01-SZ TH01-SZ	CN1256	421272

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	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		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH04-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH04-SZ	AUDIX	E3	6.2009-8-24
2.	CO01-SZ	AUDIX	E3	6.120613b

1.9 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 (Z 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		

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	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

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		

Note:

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

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**
802.11n HT20	**MCS0**
802.11n HT40	**MCS0**
802.11ac VHT20	**MCS0**
802.11ac VHT40	**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**

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

Simultaneous transmission
802.11ac VHT160 CH50(5250MHz)+ LTE Band42
802.11ac VHT160 CH50(5250MHz)+ BLE-2M-CH00(2402MHz)+ LTE Band42
802.11ac VHT160 CH50(5250MHz)+ 11ax40_CH09(2452MHz)+ LTE Band42

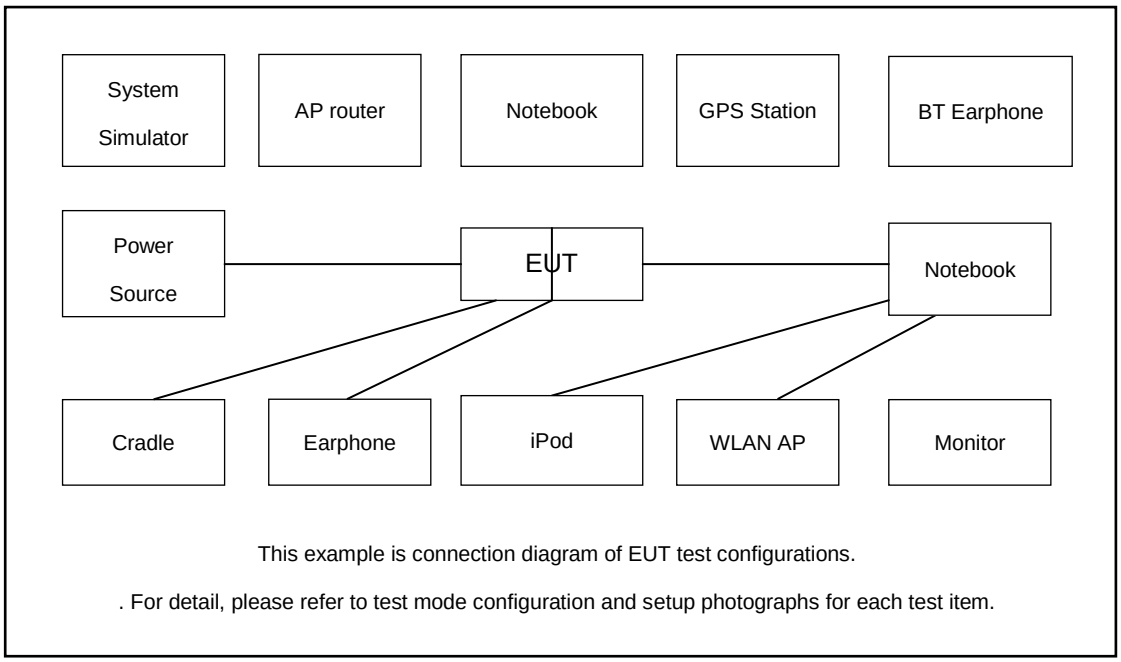
Ch. #		U-NII-1：5180-5240 MHz	U-NII-2A：5260-5320 MHz	U-NII-2C：5500- 5720 MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		U-NII-1：5180-5240 MHz	U-NII-2A：5260-5320 MHz	U-NII-2C：5500- 5720 MHz
		802.11n HT20	802.11n HT20	802.11n HT20
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
		802.11n HT40	802.11n HT40	802.11n HT40
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
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

2.3 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

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.	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 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 2.8 + 10 = 12.8 (dB)

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) ≥ 3 * RBW.
8. Measure and record the results in the test report.

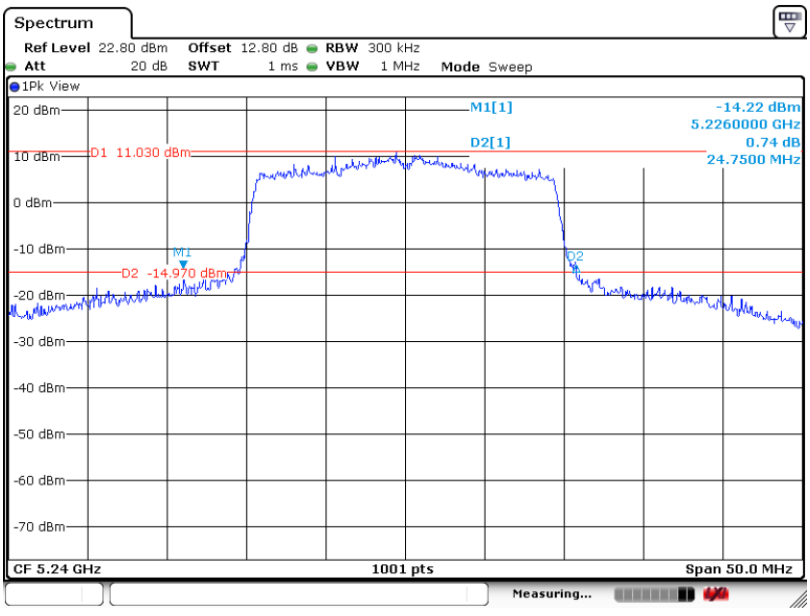
3.1.4 Test Setup

3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

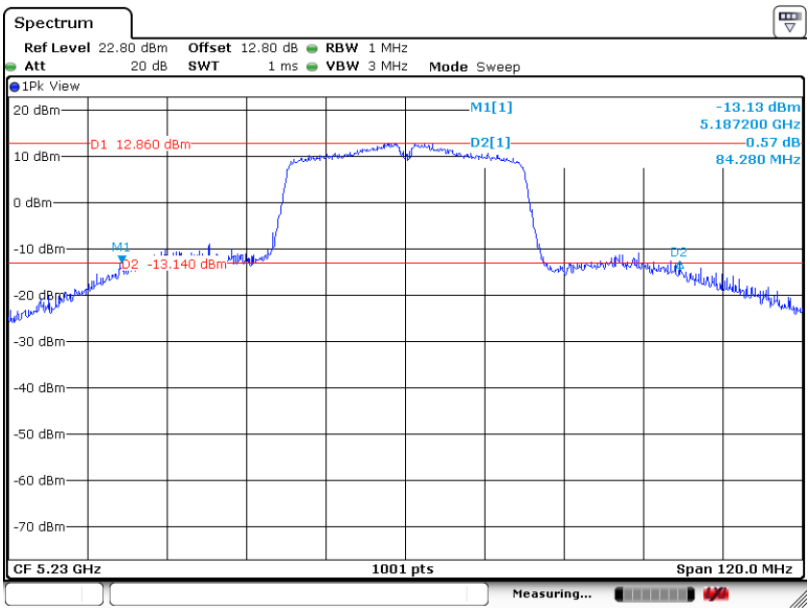
Please refer to Appendix A.

<CDD Mode>

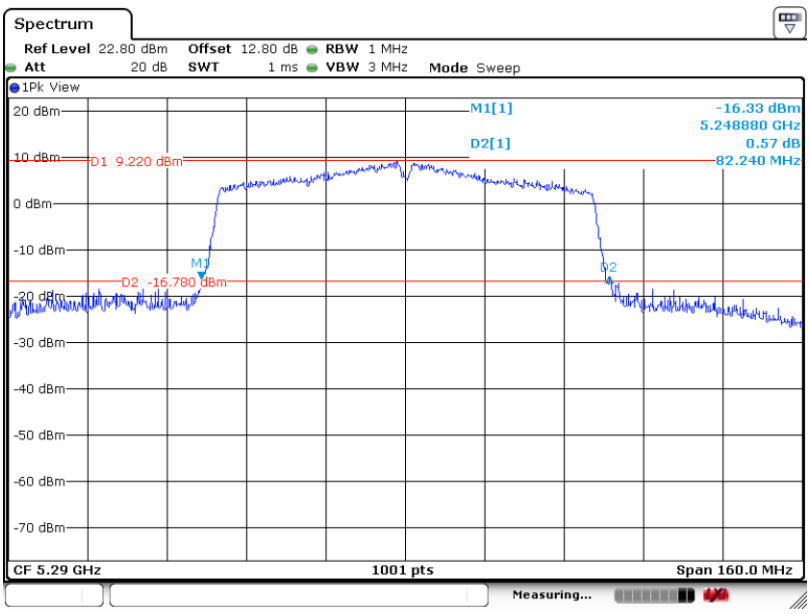
Maximum 26dB Bandwidth for 20M BW



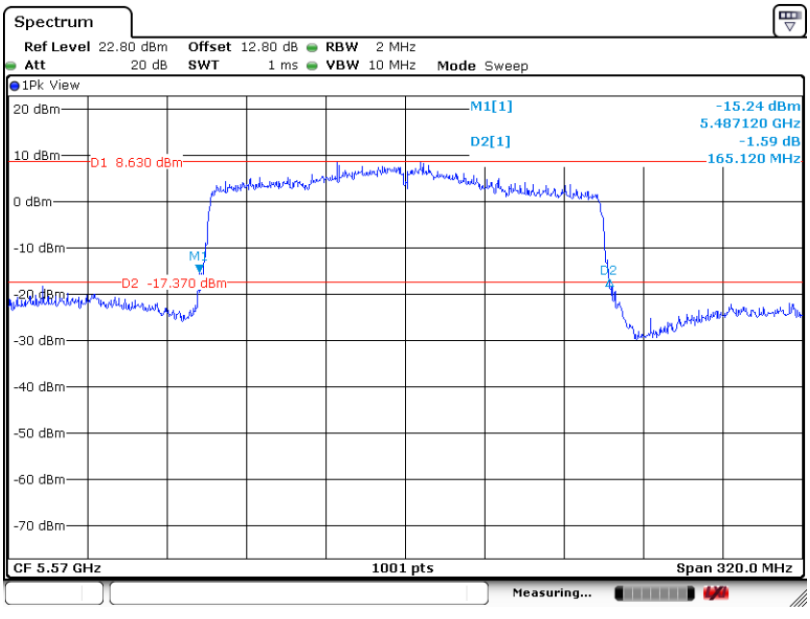
Maximum 26dB Bandwidth for 40M BW



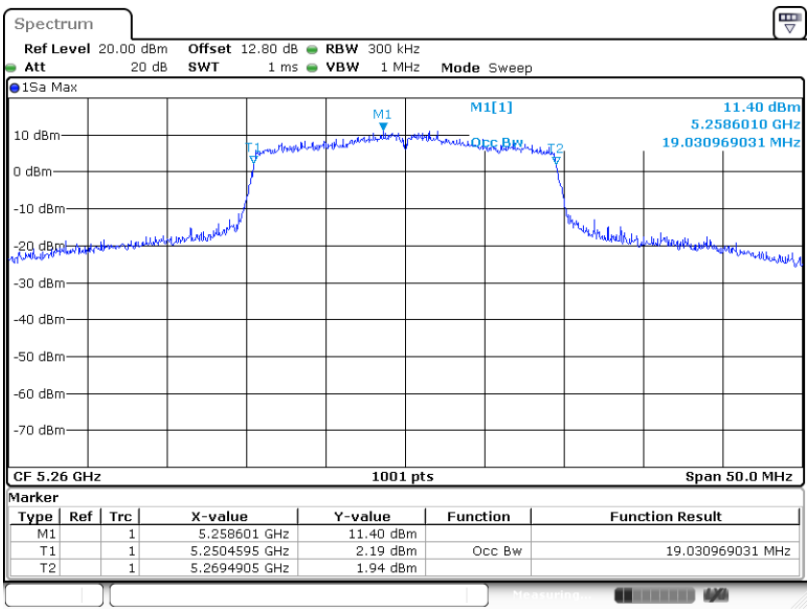
Maximum 26dB Bandwidth for 80M BW



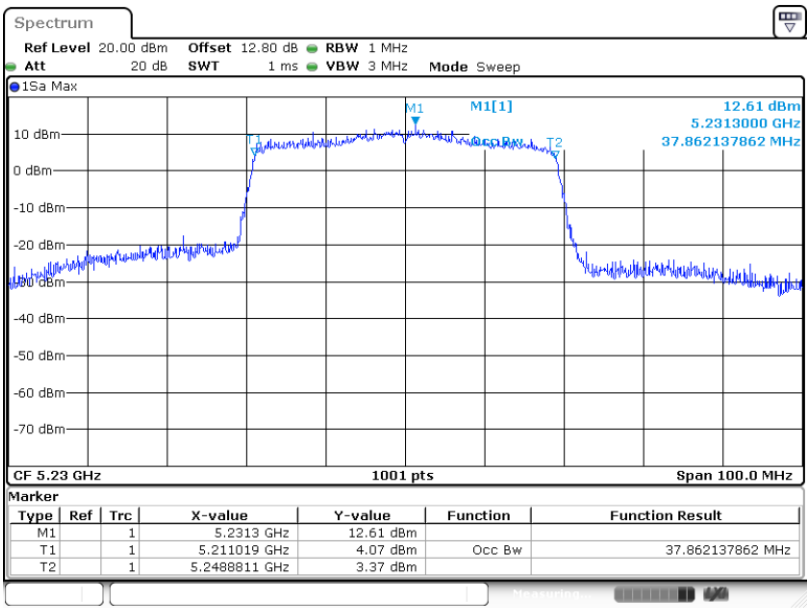
Maximum 26dB Bandwidth for 160M BW



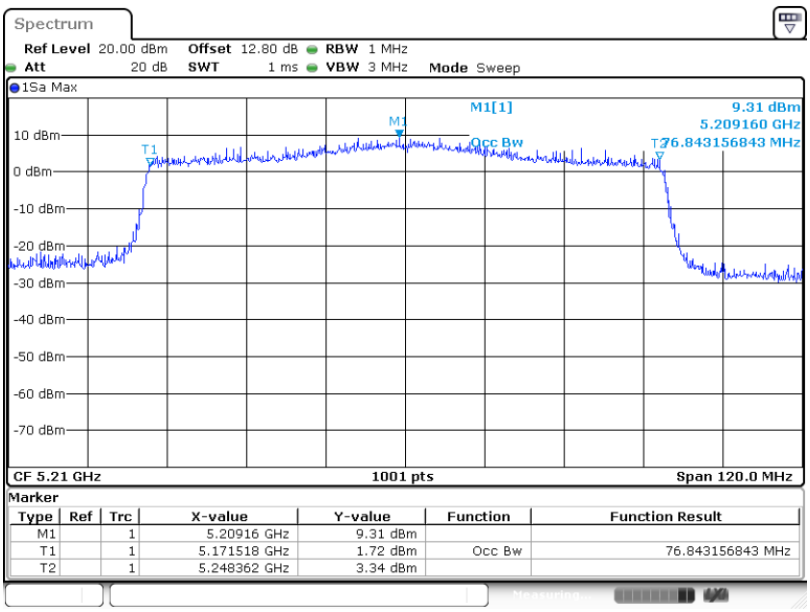
Maximum 99% Occupied Bandwidth for 20M BW



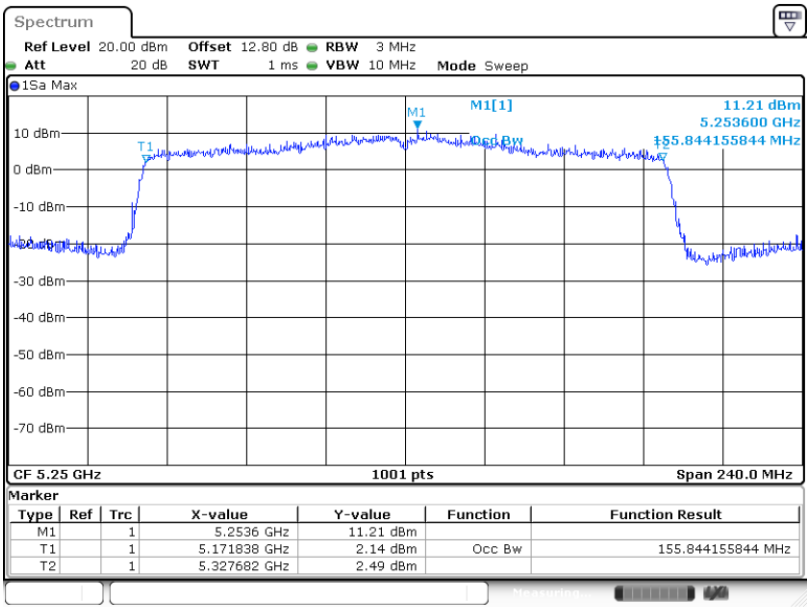
Maximum 99% Occupied Bandwidth for 40M BW



Maximum 99% Occupied Bandwidth for 80M BW



Maximum 99% Occupied Bandwidth for 160M BW



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 10 B, where B is the 26 dB 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 peak 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 peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

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 ≥ 3 MHz.
- Number of points in sweep ≥ 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. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (a): Measure and sum the spectra across the outputs.

The total final Power Spectral Density is the bin-by-bin summation to obtain the combined spectrum. For the device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points, the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

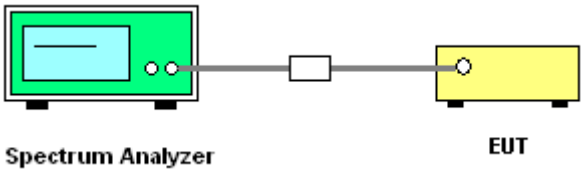
Method (b): Measure and sum spectral maxima across the outputs.

The measurement on each individual output were performed with the same span and number on each individual output. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs.

Method (c): Measure and add 10 log(N_{ANT}) dB, where N_{ANT} is the number of outputs.

The measurement on each individual output were performed with the same span and number on each individual output. The quantity 10 log(N_{ANT}) dB is added to each spectrum value before comparing to the emission limit.

3.3.4 Test Setup

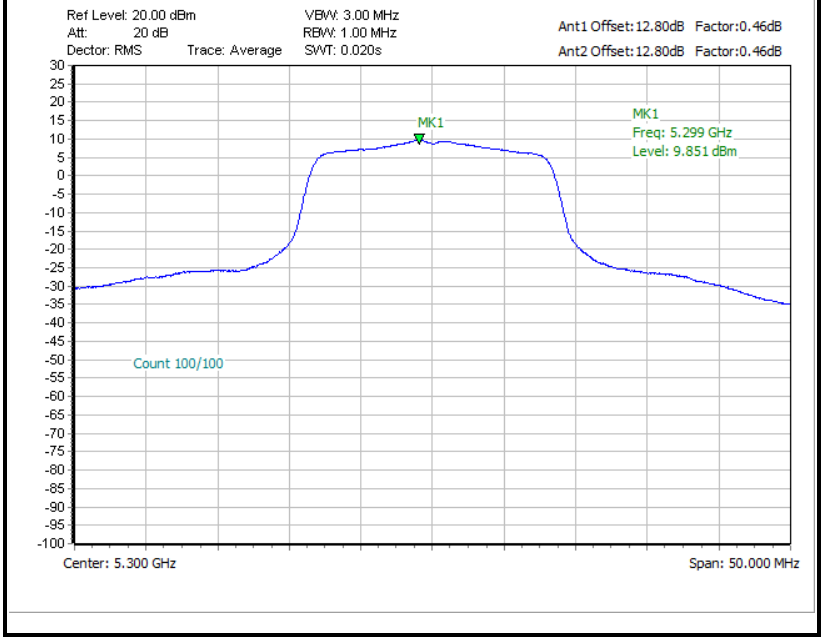


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

<CDD Modes>

Worst Case Power Density (dBm/MHz) for MIMO Ant. 2



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_{Meas} is the field strength of the emission at the measurement distance, in dBμV/m

d_{Meas} 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 ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

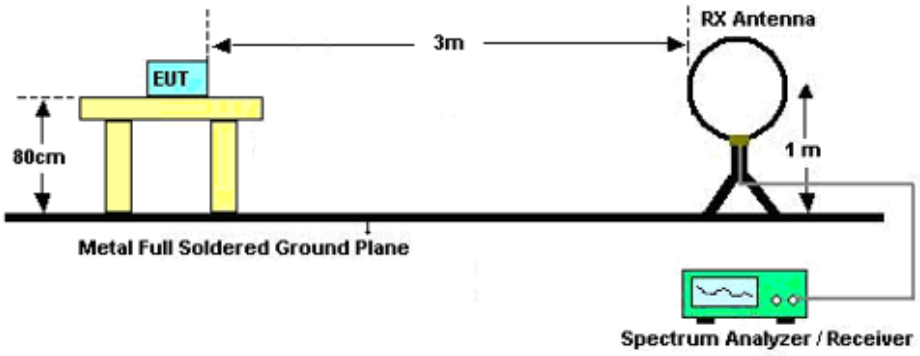
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 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.

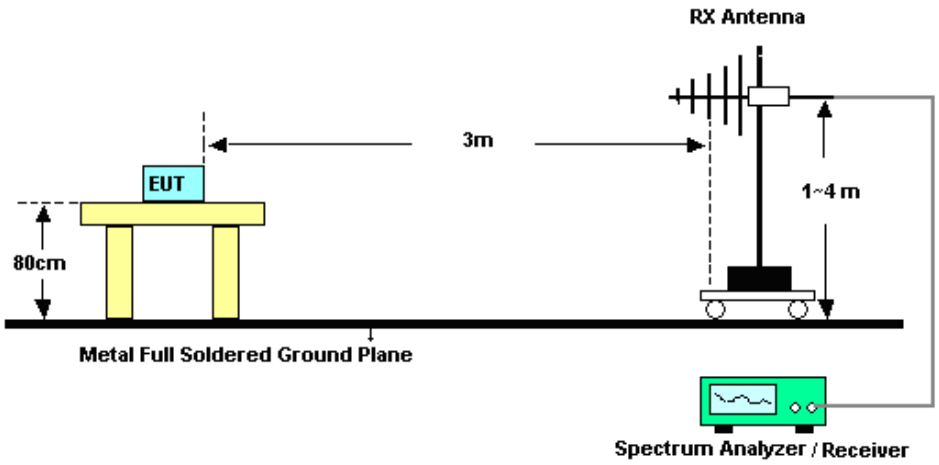
3.4.4 Test Setup

For radiated emissions below 30MHz



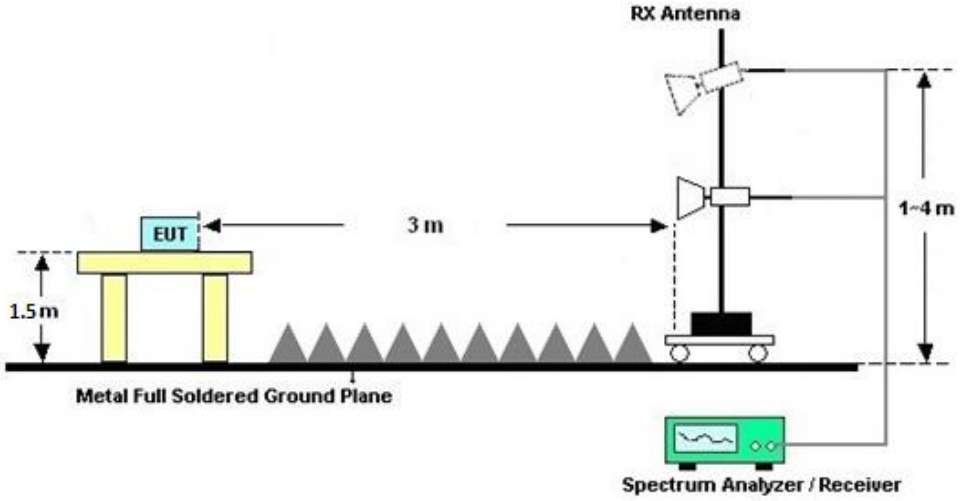
For radiated emissions from 30MHz to 1GHz

<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.

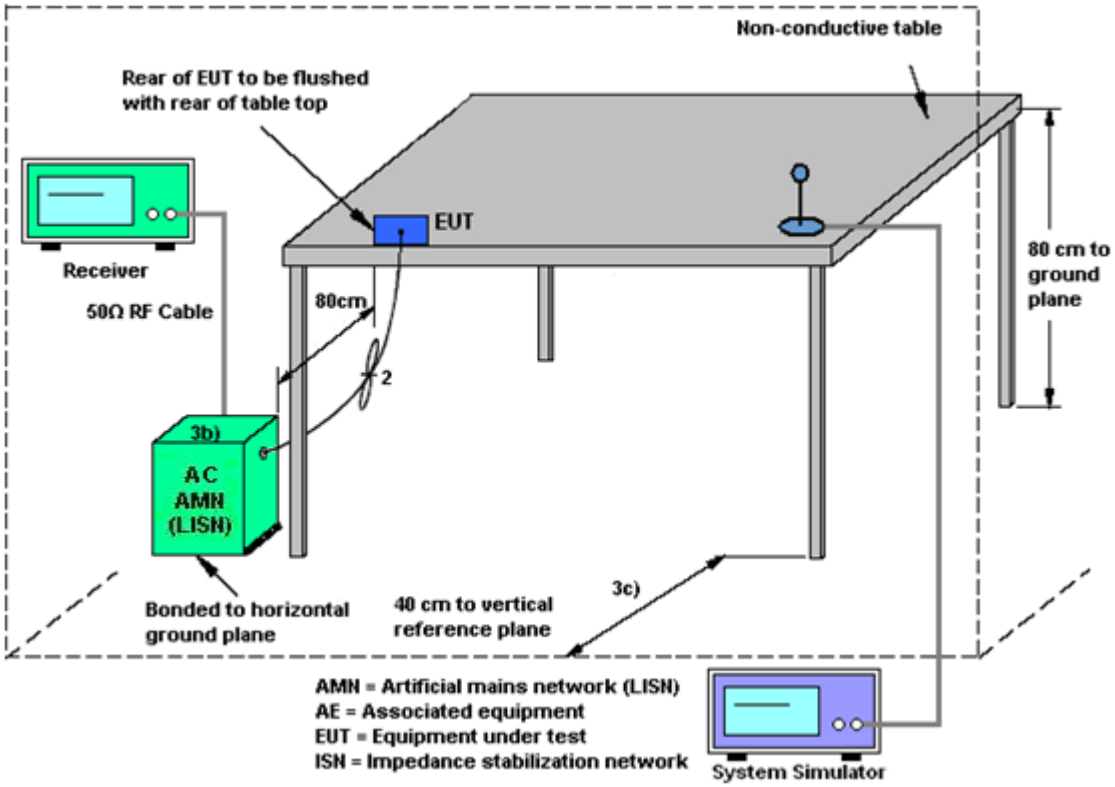
3.5.2 Measuring Instruments

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

<STBC Modes>

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

Basic methodology with NANT transmit antennas, each with the same directional gain GANT dBi, being driven by NANT transmitter outputs of equal power, and If all transmit signals are completely uncorrelated with each other,

Directional gain = GANT Max

<STBC 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	-5.10	-2.50	-2.50	-2.50	0.00	0.00
Band II	-4.50	-2.40	-2.40	-2.40	0.00	0.00
Band III	-4.90	-3.60	-3.60	-3.60	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
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 07, 2022	Jun. 06, 2022~ Jun. 09, 2022	Apr. 08, 2023	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 28, 2021	Jun. 06, 2022~ Jun. 09, 2022	Dec. 27, 2022	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1542004	50MHz Bandwidth	Dec. 28, 2021	Jun. 06, 2022~ Jun. 09, 2022	Dec. 27, 2022	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 14, 2021	Jun. 06, 2022~ Jun. 09, 2022	Jul. 13, 2022	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 22, 2021	May 30, 2022~ Jun. 18, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 20, 2021	May 30, 2022~ Jun. 18, 2022	Jul. 19, 2022	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	May 30, 2022~ Jun. 18, 2022	Jun. 21, 2022	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	Oct. 22, 2021	May 30, 2022~ Jun. 18, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1474	1GHz~18GHz	Jul. 15, 2021	May 30, 2022~ Jun. 18, 2022	Jul. 14, 2022	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 25, 2021	May 30, 2022~ Jun. 18, 2022	Jul. 24, 2022	Radiation (03CH04-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 22, 2021	May 30, 2022~ Jun. 18, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 22, 2021	May 30, 2022~ Jun. 18, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 20, 2021	May 30, 2022~ Jun. 18, 2022	Jul. 19, 2022	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY53270156	500MHz~26.5GHz	Oct. 22, 2021	May 30, 2022~ Jun. 18, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
AC Power Source	Chroma	61601	N/A	N/A	NCR	May 30, 2022~ Jun. 18, 2022	NCR	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	May 30, 2022~ Jun. 18, 2022	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	May 30, 2022~ Jun. 18, 2022	NCR	Radiation (03CH04-SZ)
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Sep. 01, 2021	Jun. 10, 2022	Aug. 31, 2022	Conduction (CO01-SZ)
AC LISN	R&S	ENV216	100063	9kHz~30MHz	Sep. 01, 2021	Jun. 10, 2022	Aug. 31, 2022	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 29, 2021	Jun. 10, 2022	Oct. 28, 2022	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 14, 2021	Jun. 10, 2022	Jul. 13, 2022	Conduction (CO01-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 Measurement

Test Item	Uncertainty
Conducted Power	±1.34 dB
Conducted Emissions	±1.34 dB
Occupied Channel Bandwidth	±0.13 %
Conducted Power Spectral Density	±1.32 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.2dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.8dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1dB

---------- THE END ----------

Appendix A. Conducted Test Results

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Chen Hong	Temperature:	21~25	°C
Test Date:	2022/6/9	Relative Humidity:	51~54	%

Report Number : FR242301E

TEST RESULTS DATA
26dB and 99% OBW

Band I								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	36	5180	16.38	16.38	20.20	19.60
11a	6Mbps	2	44	5220	16.33	16.33	20.35	19.30
11a	6Mbps	2	48	5240	16.48	16.33	22.40	19.30
VHT20	MCS0	2	36	5180	17.53	17.53	20.55	19.95
VHT20	MCS0	2	44	5220	17.53	17.53	20.65	20.50
VHT20	MCS0	2	48	5240	17.58	17.53	21.15	20.30
VHT40	MCS0	2	38	5190	36.56	36.06	39.24	39.15
VHT40	MCS0	2	46	5230	36.86	36.06	84.28	38.70
VHT80	MCS0	2	42	5210	75.04	74.93	81.92	81.28
VHT160	MCS0	2	50	5250	155.36	154.41	164.48	163.52
HE20	MCS0	2	36	5180	18.93	18.88	21.20	21.20
HE20	MCS0	2	44	5220	18.98	18.88	22.35	20.85
HE20	MCS0	2	48	5240	18.93	18.88	24.75	21.20
HE40	MCS0	2	38	5190	37.76	37.76	39.87	39.69
HE40	MCS0	2	46	5230	37.86	37.76	40.14	39.78
HE80	MCS0	2	42	5210	76.84	76.72	80.80	81.12
HE160	MCS0	2	50	5250	155.84	155.36	164.80	164.16

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	0.46	0.46	14.24	14.67	17.47	24.00		-2.50			Pass
11a	6Mbps	2	44	Full	5220	0.46	0.46	16.29	16.07	19.19	24.00		-2.50			Pass
11a	6Mbps	2	48	Full	5240	0.46	0.46	16.74	16.16	19.47	24.00		-2.50			Pass
HT20	MCS0	2	36	Full	5180	0.51	0.51	14.49	14.93	17.73	24.00		-2.50			Pass
HT20	MCS0	2	44	Full	5220	0.51	0.51	15.13	14.72	17.94	24.00		-2.50			Pass
HT20	MCS0	2	48	Full	5240	0.51	0.51	15.49	14.87	18.20	24.00		-2.50			Pass
HT40	MCS0	2	38	Full	5190	0.53	0.53	14.40	14.38	17.40	24.00		-2.50			Pass
HT40	MCS0	2	46	Full	5230	0.53	0.53	15.94	15.25	18.62	24.00		-2.50			Pass
VHT20	MCS0	2	36	Full	5180	0.51	0.51	14.51	14.95	17.75	24.00		-2.50			Pass
VHT20	MCS0	2	44	Full	5220	0.51	0.51	16.12	15.75	18.95	24.00		-2.50			Pass
VHT20	MCS0	2	48	Full	5240	0.51	0.51	16.52	15.88	19.22	24.00		-2.50			Pass
VHT40	MCS0	2	38	Full	5190	0.53	0.53	14.47	14.44	17.46	24.00		-2.50			Pass
VHT40	MCS0	2	46	Full	5230	0.53	0.53	17.35	16.29	19.86	24.00		-2.50			Pass
VHT80	MCS0	2	42	Full	5210	0.64	0.64	13.60	12.89	16.27	24.00		-2.50			Pass
VHT160	MCS0	2	50	Full	5250	0.64	0.64	11.39	10.86	14.14	24.00		-2.50			Pass
HE20	MCS0	2	36	Full	5180	0.49	0.49	14.22	14.66	17.45	24.00		-2.50			Pass
			44	Full	5220	0.49	0.49	16.26	15.98	19.13	24.00		-2.50			Pass
			48	Full	5240	0.49	0.49	16.74	16.15	19.46	24.00		-2.50			Pass
HE40	MCS0	2	38	Full	5190	0.62	0.62	14.14	14.15	17.16	24.00		-2.50			Pass
			46	Full	5230	0.62	0.62	15.30	14.45	17.91	24.00		-2.50			Pass
HE80	MCS0	2	42	Full	5210	0.65	0.65	13.54	12.87	16.23	24.00		-2.50			Pass
HE160	MCS0	2	50	Full	5250	0.63	0.63	11.46	10.78	14.15	24.00		-2.50			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	0.46	0.46			9.29	11.00		-2.50			Pass
11a	6Mbps	2	44	Full	5220	0.46	0.46			9.22	11.00		-2.50			Pass
11a	6Mbps	2	48	Full	5240	0.46	0.46			9.45	11.00		-2.50			Pass
VHT20	MCS0	2	36	Full	5180	0.51	0.51			7.90	11.00		-2.50			Pass
VHT20	MCS0	2	44	Full	5220	0.51	0.51			7.98	11.00		-2.50			Pass
VHT20	MCS0	2	48	Full	5240	0.51	0.51			8.35	11.00		-2.50			Pass
VHT40	MCS0	2	38	Full	5190	0.53	0.53			6.48	11.00		-2.50			Pass
VHT40	MCS0	2	46	Full	5230	0.53	0.53			6.36	11.00		-2.50			Pass
VHT80	MCS0	2	42	Full	5210	0.64	0.64			2.01	11.00		-2.50			Pass
VHT160	MCS0	2	50	Full	5250	0.64	0.64			-0.47	11.00		-2.50			Pass
HE20	MCS0	2	36	Full	5180	0.49	0.49			6.91	11.00		-2.50			Pass
HE20	MCS0	2	44	Full	5220	0.49	0.49			8.33	11.00		-2.50			Pass
HE20	MCS0	2	48	Full	5240	0.49	0.49			8.45	11.00		-2.50			Pass
HE40	MCS0	2	38	Full	5190	0.62	0.62			4.16	11.00		-2.50			Pass
HE40	MCS0	2	46	Full	5230	0.62	0.62			4.30	11.00		-2.50			Pass
HE80	MCS0	2	42	Full	5210	0.65	0.65			0.52	11.00		-2.50			Pass
HE160	MCS0	2	50	Full	5250	0.63	0.63			-5.05	11.00		-2.50			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.48	16.33	20.55	19.60	23.92		
11a	6Mbps	2	60	5300	16.38	16.33	20.50	19.65	23.93		
11a	6Mbps	2	64	5320	16.43	16.33	20.45	19.55	23.91		
VHT20	MCS0	2	52	5260	17.63	17.53	21.25	20.10	23.98		
VHT20	MCS0	2	60	5300	17.53	17.53	20.85	20.40	23.98		
VHT20	MCS0	2	64	5320	17.53	17.53	20.85	20.75	23.98		
VHT40	MCS0	2	54	5270	36.26	36.06	39.42	39.33	23.98		
VHT40	MCS0	2	62	5310	36.96	36.06	39.69	38.88	23.98		
VHT80	MCS0	2	58	5290	75.16	74.93	82.24	81.12	23.98		
HE20	MCS0	2	52	5260	19.03	18.93	22.50	20.80	23.98		
HE20	MCS0	2	60	5300	18.93	18.93	22.95	21.10	23.98		
HE20	MCS0	2	64	5320	18.98	18.93	21.50	20.70	23.98		
HE40	MCS0	2	54	5270	37.86	37.66	39.69	39.69	23.98		
HE40	MCS0	2	62	5310	37.76	37.66	39.87	40.05	23.98		
HE80	MCS0	2	58	5290	76.72	76.60	81.60	81.44	23.98		

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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)			DG (dBi)		FCC Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2		
11a	6Mbps	2	52	Full	5260	0.46	0.46	17.01	16.53	19.79	-2.40		23.92	Pass
11a	6Mbps	2	60	Full	5300	0.46	0.46	16.35	17.19	19.80	-2.40		23.93	Pass
11a	6Mbps	2	64	Full	5320	0.46	0.46	15.02	16.07	18.59	-2.40		23.91	Pass
HT20	MCS0	2	52	Full	5260	0.51	0.51	15.67	15.21	18.46	-2.40		23.98	Pass
HT20	MCS0	2	60	Full	5300	0.51	0.51	15.09	15.77	18.46	-2.40		23.98	Pass
HT20	MCS0	2	64	Full	5320	0.51	0.51	14.93	15.77	18.38	-2.40		23.98	Pass
HT40	MCS0	2	54	Full	5270	0.53	0.53	16.55	15.68	19.14	-2.40		23.98	Pass
HT40	MCS0	2	62	Full	5310	0.53	0.53	14.69	15.14	17.93	-2.40		23.98	Pass
VHT20	MCS0	2	52	Full	5260	0.51	0.51	16.84	16.20	19.54	-2.40		23.98	Pass
VHT20	MCS0	2	60	Full	5300	0.51	0.51	16.07	16.93	19.53	-2.40		23.98	Pass
VHT20	MCS0	2	64	Full	5320	0.51	0.51	15.37	16.28	18.86	-2.40		23.98	Pass
VHT40	MCS0	2	54	Full	5270	0.53	0.53	16.58	15.71	19.17	-2.40		23.98	Pass
VHT40	MCS0	2	62	Full	5310	0.53	0.53	14.73	15.20	17.98	-2.40		23.98	Pass
VHT80	MCS0	2	58	Full	5290	0.64	0.64	14.34	14.00	17.18	-2.40		23.98	Pass
HE20	MCS0	2	52	Full	5260	0.49	0.49	17.00	16.41	19.72	-2.40		23.98	Pass
			60	Full	5300	0.49	0.49	16.27	17.08	19.70	-2.40		23.98	Pass
			64	Full	5320	0.49	0.49	14.66	15.50	18.11	-2.40		23.98	Pass
HE40	MCS0	2	54	Full	5270	0.62	0.62	15.66	14.96	18.33	-2.40		23.98	Pass
			62	Full	5310	0.62	0.62	13.94	14.34	17.16	-2.40		23.98	Pass
HE80	MCS0	2	58	Full	5290	0.65	0.65	13.70	13.47	16.60	-2.40		23.98	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	0.46	0.46			9.54	11.00		-2.40			Pass
11a	6Mbps	2	60	Full	5300	0.46	0.46			9.85	11.00		-2.40			Pass
11a	6Mbps	2	64	Full	5320	0.46	0.46			9.70	11.00		-2.40			Pass
VHT20	MCS0	2	52	Full	5260	0.51	0.51			8.50	11.00		-2.40			Pass
VHT20	MCS0	2	60	Full	5300	0.51	0.51			8.47	11.00		-2.40			Pass
VHT20	MCS0	2	64	Full	5320	0.51	0.51			8.37	11.00		-2.40			Pass
VHT40	MCS0	2	54	Full	5270	0.53	0.53			7.07	11.00		-2.40			Pass
VHT40	MCS0	2	62	Full	5310	0.53	0.53			6.87	11.00		-2.40			Pass
VHT80	MCS0	2	58	Full	5290	0.64	0.64			2.54	11.00		-2.40			Pass
HE20	MCS0	2	52	Full	5260	0.49	0.49			8.76	11.00		-2.40			Pass
HE20	MCS0	2	60	Full	5300	0.49	0.49			8.78	11.00		-2.40			Pass
HE20	MCS0	2	64	Full	5320	0.49	0.49			7.16	11.00		-2.40			Pass
HE40	MCS0	2	54	Full	5270	0.62	0.62			4.58	11.00		-2.40			Pass
HE40	MCS0	2	62	Full	5310	0.62	0.62			3.70	11.00		-2.40			Pass
HE80	MCS0	2	58	Full	5290	0.65	0.65			0.79	11.00		-2.40			Pass

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TEST RESULTS DATA
26dB and 99% OBW

Band III											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	100	5500	16.33	16.33	19.95	19.30	23.86		
11a	6Mbps	2	116	5580	16.33	16.28	19.90	19.25	23.84		
11a	6Mbps	2	140	5700	16.33	16.28	19.20	19.20	23.83		
11a	6Mbps	2	144	5720	16.33	16.28	19.45	19.20	23.83		
VHT20	MCS0	2	100	5500	17.53	17.53	20.65	20.20	23.98		
VHT20	MCS0	2	116	5580	17.53	17.53	20.50	20.60	23.98		
VHT20	MCS0	2	140	5700	17.53	17.53	20.65	20.85	23.98		
VHT20	MCS0	2	144	5720	17.53	17.53	20.60	20.35	23.98		
VHT40	MCS0	2	102	5510	36.36	35.96	45.00	38.79	23.98		
VHT40	MCS0	2	110	5550	36.26	36.06	39.69	38.97	23.98		
VHT40	MCS0	2	134	5670	36.06	36.06	39.87	39.15	23.98		
VHT40	MCS0	2	142	5710	36.16	36.06	39.69	39.33	23.98		
VHT80	MCS0	2	106	5530	75.04	74.81	81.76	80.96	23.98		
VHT80	MCS0	2	122	5610	74.93	74.93	81.92	80.64	23.98		
VHT80	MCS0	2	138	5690	74.93	75.04	82.24	81.28	23.98		
VHT160	MCS0	2	114	5570	154.17	153.93	163.52	163.20	23.98		
HE20	MCS0	2	100	5500	18.93	18.88	21.45	21.00	23.98		
HE20	MCS0	2	116	5580	18.88	18.93	21.25	21.05	23.98		
HE20	MCS0	2	140	5700	18.88	18.83	21.15	20.95	23.98		
HE20	MCS0	2	144	5720	18.93	18.88	21.10	21.00	23.98		
HE40	MCS0	2	102	5510	37.86	37.76	40.14	40.14	23.98		
HE40	MCS0	2	110	5550	37.76	37.66	39.87	39.96	23.98		
HE40	MCS0	2	134	5670	37.86	37.66	39.51	39.60	23.98		
HE40	MCS0	2	142	5710	37.66	37.76	40.05	39.78	23.98		
HE80	MCS0	2	106	5530	76.84	76.60	81.60	81.92	23.98		
HE80	MCS0	2	122	5610	76.84	76.72	81.60	80.96	23.98		
HE80	MCS0	2	138	5690	76.84	76.84	81.92	81.60	23.98		
HE160	MCS0	2	114	5570	155.60	155.36	165.12	164.48	23.98		

TEST RESULTS DATA
Average Power Table

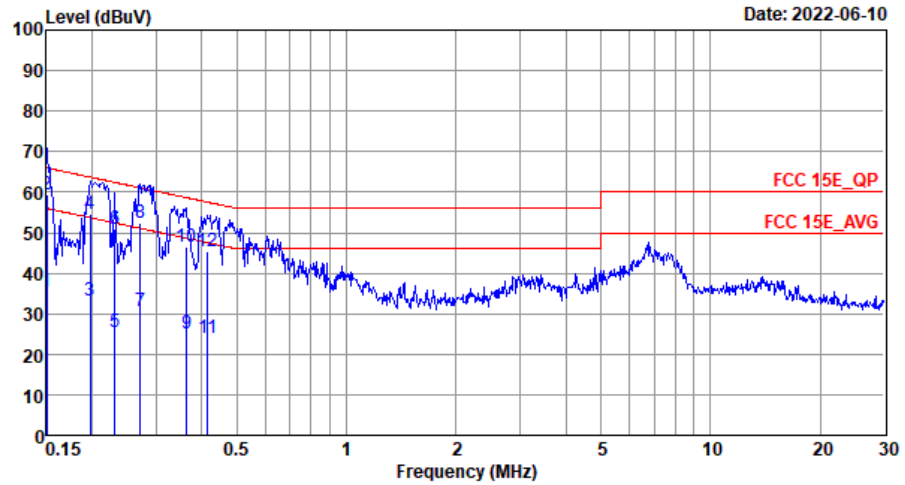
FCC Band III														
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			DG (dBi)		FCC Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2		
11a	6Mbps	2	100	Full	5500	0.46	0.46	14.57	14.64	17.62	-3.60		23.86	Pass
11a	6Mbps	2	116	Full	5580	0.46	0.46	15.18	15.69	18.45	-3.60		23.84	Pass
11a	6Mbps	2	140	Full	5700	0.46	0.46	15.69	15.56	18.64	-3.60		23.83	Pass
11a	6Mbps	2	144	Full	5720	0.46	0.46	15.66	15.94	18.81	-3.60		23.83	Pass
HT20	MCS0	2	100	Full	5500	0.51	0.51	14.39	14.55	17.48	-3.60		23.98	Pass
HT20	MCS0	2	116	Full	5580	0.51	0.51	13.88	14.41	17.17	-3.60		23.98	Pass
HT20	MCS0	2	140	Full	5700	0.51	0.51	14.41	14.16	17.30	-3.60		23.98	Pass
HT20	MCS0	2	144	Full	5720	0.51	0.51	14.53	14.54	17.55	-3.60		23.98	Pass
HT40	MCS0	2	102	Full	5510	0.53	0.53	13.93	13.94	16.94	-3.60		23.98	Pass
HT40	MCS0	2	110	Full	5550	0.53	0.53	14.83	14.86	17.85	-3.60		23.98	Pass
HT40	MCS0	2	134	Full	5670	0.53	0.53	14.68	14.78	17.74	-3.60		23.98	Pass
HT40	MCS0	2	142	Full	5710	0.53	0.53	14.94	14.71	17.83	-3.60		23.98	Pass
VHT20	MCS0	2	100	Full	5500	0.51	0.51	15.45	15.56	18.52	-3.60		23.98	Pass
VHT20	MCS0	2	116	Full	5580	0.51	0.51	14.86	15.35	18.12	-3.60		23.98	Pass
VHT20	MCS0	2	140	Full	5700	0.51	0.51	15.37	15.24	18.32	-3.60		23.98	Pass
VHT20	MCS0	2	144	Full	5720	0.51	0.51	15.45	15.63	18.55	-3.60		23.98	Pass
VHT40	MCS0	2	102	Full	5510	0.53	0.53	13.95	14.00	16.98	-3.60		23.98	Pass
VHT40	MCS0	2	110	Full	5550	0.53	0.53	16.06	15.85	18.96	-3.60		23.98	Pass
VHT40	MCS0	2	134	Full	5670	0.53	0.53	15.70	15.77	18.74	-3.60		23.98	Pass
VHT40	MCS0	2	142	Full	5710	0.53	0.53	16.03	15.91	18.98	-3.60		23.98	Pass
VHT80	MCS0	2	106	Full	5530	0.64	0.64	13.15	13.17	16.17	-3.60		23.98	Pass
VHT80	MCS0	2	122	Full	5610	0.64	0.64	14.61	14.81	17.72	-3.60		23.98	Pass
VHT80	MCS0	2	138	Full	5690	0.64	0.64	14.52	14.21	17.38	-3.60		23.98	Pass
VHT160	MCS0	2	114	Full	5570	0.64	0.64	11.56	11.94	14.76	-3.60		23.98	Pass
HE20	MCS0	2	100	Full	5500	0.49	0.49	14.95	15.01	17.99	-3.60		23.98	Pass
			116	Full	5580	0.49	0.49	15.09	15.58	18.35	-3.60		23.98	Pass
			140	Full	5700	0.49	0.49	15.61	15.50	18.56	-3.60		23.98	Pass
			144	Full	5720	0.49	0.49	15.60	15.83	18.73	-3.60		23.98	Pass
HE40	MCS0	2	102	Full	5510	0.62	0.62	14.33	14.30	17.33	-3.60		23.98	Pass
			110	Full	5550	0.62	0.62	14.20	14.19	17.21	-3.60		23.98	Pass
			134	Full	5670	0.62	0.62	14.23	13.95	17.10	-3.60		23.98	Pass
			142	Full	5710	0.62	0.62	14.58	14.01	17.31	-3.60		23.98	Pass
HE80	MCS0	2	106	Full	5530	0.65	0.65	12.60	14.15	16.46	-3.60		23.98	Pass
			122	Full	5610	0.65	0.65	14.37	12.71	16.63	-3.60		23.98	Pass
			138	Full	5690	0.65	0.65	14.27	13.77	17.04	-3.60		23.98	Pass
HE160	MCS0	2	114	Full	5570	0.63	0.63	11.59	11.66	14.64	-3.60		23.98	Pass

TEST RESULTS DATA
Power Spectral Density

Band III																
Mod.	Data Rate	NTX	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	0.46	0.46			8.92	11.00		-3.60			Pass
11a	6Mbps	2	116	Full	5580	0.46	0.46			8.33	11.00		-3.60			Pass
11a	6Mbps	2	140	Full	5700	0.46	0.46			8.53	11.00		-3.60			Pass
11a	6Mbps	2	144	Full	5720	0.46	0.46			8.78	11.00		-3.60			Pass
VHT20	MCS0	2	100	Full	5500	0.51	0.51			7.73	11.00		-3.60			Pass
VHT20	MCS0	2	116	Full	5580	0.51	0.51			7.22	11.00		-3.60			Pass
VHT20	MCS0	2	140	Full	5700	0.51	0.51			7.29	11.00		-3.60			Pass
VHT20	MCS0	2	144	Full	5720	0.51	0.51			7.86	11.00		-3.60			Pass
VHT40	MCS0	2	102	Full	5510	0.53	0.53			6.03	11.00		-3.60			Pass
VHT40	MCS0	2	110	Full	5550	0.53	0.53			5.66	11.00		-3.60			Pass
VHT40	MCS0	2	134	Full	5670	0.53	0.53			5.46	11.00		-3.60			Pass
VHT40	MCS0	2	142	Full	5710	0.53	0.53			5.61	11.00		-3.60			Pass
VHT80	MCS0	2	106	Full	5530	0.64	0.64			1.59	11.00		-3.60			Pass
VHT80	MCS0	2	122	Full	5610	0.64	0.64			1.41	11.00		-3.60			Pass
VHT80	MCS0	2	138	Full	5690	0.64	0.64			1.06	11.00		-3.60			Pass
VHT160	MCS0	2	114	Full	5570	0.64	0.64			-1.68	11.00		-3.60			Pass
HE20	MCS0	2	100	Full	5500	0.49	0.49			7.21	11.00		-3.60			Pass
HE20	MCS0	2	116	Full	5580	0.49	0.49			7.53	11.00		-3.60			Pass
HE20	MCS0	2	140	Full	5700	0.49	0.49			7.74	11.00		-3.60			Pass
HE20	MCS0	2	144	Full	5720	0.49	0.49			7.97	11.00		-3.60			Pass
HE40	MCS0	2	102	Full	5510	0.62	0.62			3.90	11.00		-3.60			Pass
HE40	MCS0	2	110	Full	5550	0.62	0.62			3.79	11.00		-3.60			Pass
HE40	MCS0	2	134	Full	5670	0.62	0.62			3.67	11.00		-3.60			Pass
HE40	MCS0	2	142	Full	5710	0.62	0.62			3.80	11.00		-3.60			Pass
HE80	MCS0	2	106	Full	5530	0.65	0.65			0.09	11.00		-3.60			Pass
HE80	MCS0	2	122	Full	5610	0.65	0.65			1.30	11.00		-3.60			Pass
HE80	MCS0	2	138	Full	5690	0.65	0.65			1.20	11.00		-3.60			Pass
HE160	MCS0	2	114	Full	5570	0.63	0.63			-4.05	11.00		-3.60			Pass

Appendix B. AC Conducted Emission Test Results

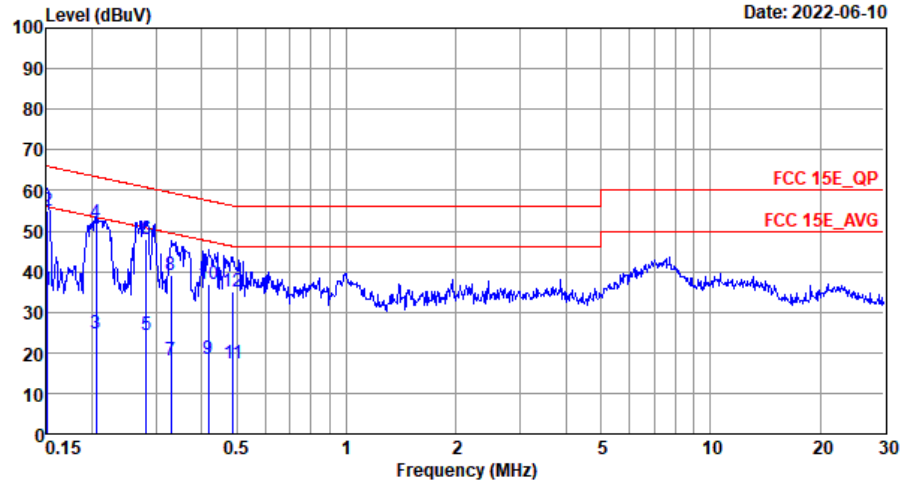
Test Engineer :	Lily Qiu	**Temperature :**	22~25℃
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



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	35.55	-20.45	56.00	14.50	10.20	10.85	Average
2	*	0.15	59.25	-6.75	66.00	38.20	10.20	10.85	QP
3		0.20	33.17	-20.54	53.71	12.80	10.20	10.17	Average
4		0.20	54.57	-9.14	63.71	34.20	10.20	10.17	QP
5		0.23	25.41	-26.98	52.39	4.80	10.19	10.42	Average
6		0.23	50.81	-11.58	62.39	30.20	10.19	10.42	QP
7		0.27	30.50	-20.57	51.07	9.60	10.17	10.73	Average
8		0.27	52.40	-8.67	61.07	31.50	10.17	10.73	QP
9		0.36	25.06	-23.59	48.65	3.70	10.09	11.27	Average
10		0.36	46.46	-12.19	58.65	25.10	10.09	11.27	QP
11		0.41	24.11	-23.44	47.55	2.50	10.10	11.51	Average
12		0.41	45.51	-12.04	57.55	23.90	10.10	11.51	QP

Test Engineer :	Lily Qiu	**Temperature :**	22~25℃
		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	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.15	35.26	-20.70	55.96	14.10	10.31	10.85	Average
2	*	0.15	54.86	-11.10	65.96	33.70	10.31	10.85	QP
3		0.21	24.87	-28.53	53.40	4.39	10.28	10.20	Average
4		0.21	51.87	-11.53	63.40	31.39	10.28	10.20	QP
5		0.28	24.22	-26.54	50.76	3.20	10.22	10.80	Average
6		0.28	47.92	-12.84	60.76	26.90	10.22	10.80	QP
7		0.33	18.17	-31.27	49.44	-3.10	10.18	11.09	Average
8		0.33	39.17	-20.27	59.44	17.90	10.18	11.09	QP
9		0.42	18.42	-29.09	47.51	-3.30	10.19	11.53	Average
10		0.42	36.82	-20.69	57.51	15.10	10.19	11.53	QP
11		0.49	17.50	-28.69	46.19	-4.50	10.19	11.81	Average
12		0.49	35.10	-21.09	56.19	13.10	10.19	11.81	QP

Note:

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

Appendix C. Radiated Spurious Emission

U-NII-1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz	*	5149.5	49.83	-24.17	74	41.94	31.98	8.51	32.6	344	2	P	H
		5150	44.15	-9.85	54	36.26	31.98	8.51	32.6	344	2	A	H
	*	5180	103.8	-	-	95.83	32.02	8.58	32.63	344	2	P	H
		5180	97.29	-	-	89.32	32.02	8.58	32.63	344	2	A	H
	*	5148.98	53.9	-20.1	74	46.01	31.98	8.51	32.6	244	77	P	V
		5149.76	47.11	-6.89	54	39.22	31.98	8.51	32.6	244	77	A	V
	*	5180	107.49	-	-	99.52	32.02	8.58	32.63	244	77	P	V
		5180	101.4	-	-	93.43	32.02	8.58	32.63	244	77	A	V
802.11a CH 44 5220MHz	*	5136.76	48.09	-25.91	74	40.18	31.96	8.51	32.56	373	0	P	H
		5149.76	39.52	-14.48	54	31.63	31.98	8.51	32.6	373	0	A	H
	*	5220	106.38	-	-	98.34	32.06	8.65	32.67	373	0	P	H
		5220	100.25	-	-	92.21	32.06	8.65	32.67	373	0	A	H
	*	5377.44	47.99	-26.01	74	38.91	32.24	9.46	32.62	373	0	P	H
		5459.28	38.19	-15.81	54	28.97	32.34	9.68	32.8	373	0	A	H
	*	5135.2	50.01	-23.99	74	42.1	31.96	8.51	32.56	215	126	P	V
		5150	42.32	-11.68	54	34.43	31.98	8.51	32.6	215	126	A	V
	*	5220	108.32	-	-	100.28	32.06	8.65	32.67	215	126	P	V
		5220	102.15	-	-	94.11	32.06	8.65	32.67	215	126	A	V
	*	5424.72	47.46	-	-	38.21	32.3	9.66	32.71	215	126	P	V
		5362.56	38.15	-15.85	54	29.07	32.24	9.46	32.62	215	126	A	V

802.11a CH 48 5240MHz	*	5141.96	49.88	-24.12	74	41.95	31.98	8.51	32.56	390	27	P	H
		5148.2	40.52	-13.48	54	32.63	31.98	8.51	32.6	390	27	A	H
	*	5240	106.76	-	-	98.49	32.08	8.85	32.66	390	27	P	H
		5240	100.6	-	-	92.33	32.08	8.85	32.66	390	27	A	H
	*	5428.32	48.1	-	-	38.83	32.3	9.68	32.71	390	27	P	H
		5358	38.66	-15.34	54	29.6	32.22	9.46	32.62	390	27	A	H
	*	5146.64	49.52	-24.48	74	41.63	31.98	8.51	32.6	100	65	P	V
		5149.5	40.99	-13.01	54	33.1	31.98	8.51	32.6	100	65	A	V
	*	5240	110.29	-	-	102.02	32.08	8.85	32.66	100	65	P	V
		5240	104.15	-	-	95.88	32.08	8.85	32.66	100	65	A	V
	*	5382	47.69	-	-	38.59	32.26	9.46	32.62	100	65	P	V
		5351.52	39.19	-14.81	54	30.13	32.22	9.46	32.62	100	65	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					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 36 5180MHz	*	10360	48.23	-20.07	68.3	48.53	39.1	12.06	51.46	-	-	P	H
		15540	50.66	-23.34	74	48.39	40.22	14.59	52.54	-	-	P	H
	*	10360	47.43	-20.87	68.3	47.73	39.1	12.06	51.46	-	-	P	V
		15540	48.35	-25.65	74	46.08	40.22	14.59	52.54	-	-	P	V
802.11a CH 44 5220MHz	*	10440	47.51	-20.79	68.3	47.62	39.15	12.12	51.38	-	-	P	H
		15660	48.19	-25.81	74	45.79	40.11	14.64	52.35	-	-	P	H
	*	10440	48.55	-19.75	68.3	48.66	39.15	12.12	51.38	-	-	P	V
		15660	48.68	-25.32	74	46.28	40.11	14.64	52.35	-	-	P	V
802.11a CH 48 5240MHz	*	10480	49.49	-18.81	68.3	49.47	39.19	12.15	51.32	-	-	P	H
		15720	48.91	-25.09	74	46.44	40.05	14.66	52.24	-	-	P	H
	*	10480	48.87	-19.43	68.3	48.85	39.19	12.15	51.32	-	-	P	V
		15720	48.31	-25.69	74	45.84	40.05	14.66	52.24	-	-	P	V

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

U-NII-1 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5148.98	50.6	-23.4	74	42.71	31.98	8.51	32.6	374	360	P	H
		5150	43.18	-10.82	54	35.29	31.98	8.51	32.6	374	360	A	H
802.11ac	*	5180	104.11	-	-	96.14	32.02	8.58	32.63	374	360	P	H
VHT20		5180	98.18	-	-	90.21	32.02	8.58	32.63	374	360	A	H
CH 36	*	5149.5	55.4	-18.6	74	47.51	31.98	8.51	32.6	229	124	P	V
5180MHz		5150	46.66	-7.34	54	38.77	31.98	8.51	32.6	229	124	A	V
	*	5180	107.37	-	-	99.4	32.02	8.58	32.63	229	124	P	V
		5180	101.18	-	-	93.21	32.02	8.58	32.63	229	124	A	V
	*	5137.8	47.8	-26.2	74	39.89	31.96	8.51	32.56	352	360	P	H
		5143.52	38.06	-15.94	54	30.13	31.98	8.51	32.56	352	360	A	H
	*	5220	107.5	-	-	99.46	32.06	8.65	32.67	352	360	P	H
		5220	101.15	-	-	93.11	32.06	8.65	32.67	352	360	A	H
802.11ac	*	5455.68	46.99	-27.01	74	37.77	32.34	9.68	32.8	352	360	P	H
VHT20		5391.6	37.73	-16.27	54	28.43	32.26	9.66	32.62	352	360	A	H
CH 44	*	5147.94	50.87	-23.13	74	42.98	31.98	8.51	32.6	320	86	P	V
5220MHz		5150	42.07	-11.93	54	34.18	31.98	8.51	32.6	320	86	A	V
	*	5220	108.21	-	-	100.17	32.06	8.65	32.67	320	86	P	V
		5220	102.15	-	-	94.11	32.06	8.65	32.67	320	86	A	V
	*	5361.36	47.51	-26.49	74	38.43	32.24	9.46	32.62	320	86	P	V
		5453.04	37.7	-16.3	54	28.48	32.34	9.68	32.8	320	86	A	V

	*	5144.04	48.83	-25.17	74	40.94	31.98	8.51	32.6	351	1	P	H
		5149.76	39.64	-14.36	54	31.75	31.98	8.51	32.6	351	1	A	H
	*	5240	106.56	-	-	98.29	32.08	8.85	32.66	351	1	P	H
		5240	100.71	-	-	92.44	32.08	8.85	32.66	351	1	A	H
802.11ac	*	5424.72	47.15	-26.85	74	37.9	32.3	9.66	32.71	351	1	P	H
VHT20		5350.8	37.74	-16.26	54	28.68	32.22	9.46	32.62	351	1	A	H
CH 48	*	5147.94	50.07	-23.93	74	42.18	31.98	8.51	32.6	320	86	P	V
5240MHz		5150	40.4	-13.6	54	32.51	31.98	8.51	32.6	320	86	A	V
	*	5240	108.08	-	-	99.81	32.08	8.85	32.66	320	86	P	V
		5240	101.82	-	-	93.55	32.08	8.85	32.66	320	86	A	V
	*	5423.28	47.42	-26.58	74	38.08	32.3	9.66	32.62	320	86	P	V
		5350.8	38.3	-15.7	54	29.24	32.22	9.46	32.62	320	86	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					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)
802.11ac	*	10360	47.7	-20.6	68.3	48	39.1	12.06	51.46	-	-	P	H
VHT20		15540	47.87	-26.13	74	45.6	40.22	14.59	52.54	-	-	P	H
CH 36	*	10360	47.8	-20.5	68.3	48.1	39.1	12.06	51.46	-	-	P	V
5180MHz		15540	47.28	-26.72	74	45.01	40.22	14.59	52.54	-	-	P	V
802.11ac	*	10440	47.47	-20.83	68.3	47.58	39.15	12.12	51.38	-	-	P	H
VHT20		15660	48.47	-25.53	74	46.07	40.11	14.64	52.35	-	-	P	H
CH 44	*	10440	47.5	-20.8	68.3	47.61	39.15	12.12	51.38	-	-	P	V
5220MHz		15660	49.22	-24.78	74	46.82	40.11	14.64	52.35	-	-	P	V
802.11ac	*	10480	48.23	-20.07	68.3	48.21	39.19	12.15	51.32	-	-	P	H
VHT20		15720	48.75	-25.25	74	46.28	40.05	14.66	52.24	-	-	P	H
CH 48	*	10480	48	-20.3	68.3	47.98	39.19	12.15	51.32	-	-	P	V
5240MHz		15720	48.24	-25.76	74	45.77	40.05	14.66	52.24	-	-	P	V

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

U-NII-1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5148.72	52.47	-21.53	74	44.58	31.98	8.51	32.6	373	28	P	H
		5150	47.95	-6.05	54	40.06	31.98	8.51	32.6	373	28	A	H
	*	5190	99.34	-	-	91.37	32.02	8.58	32.63	373	28	P	H
		5190	93.61	-	-	85.64	32.02	8.58	32.63	373	28	A	H
802.11ac	*	5395.32	47.5	-26.5	74	38.18	32.28	9.66	32.62	373	28	P	H
VHT40		5420.24	38.35	-15.65	54	29.01	32.3	9.66	32.62	373	28	A	H
CH 38	*	5147.68	57.46	-	-	49.57	31.98	8.51	32.6	100	67	P	V
5190MHz		5149.76	50.66	-3.34	54	42.77	31.98	8.51	32.6	100	67	A	V
	*	5190	102.38	-	-	94.41	32.02	8.58	32.63	100	67	P	V
		5190	97.57	-	-	89.6	32.02	8.58	32.63	100	67	A	V
	*	5353.04	47.23	-26.77	74	38.17	32.22	9.46	32.62	100	67	P	V
		5351.92	38.36	-15.64	54	29.3	32.22	9.46	32.62	100	67	A	V
	*	5149.24	56.65	-17.35	74	48.76	31.98	8.51	32.6	369	25	P	H
		5150	46.08	-7.92	54	38.19	31.98	8.51	32.6	369	25	A	H
	*	5230	102.74	-	-	94.67	32.08	8.65	32.66	369	25	P	H
		5230	98.18	-	-	90.11	32.08	8.65	32.66	369	25	A	H
802.11ac	*	5353.2	49.18	-	-	40.12	32.22	9.46	32.62	369	25	P	H
VHT40		5351.28	41.08	-12.92	54	32.02	32.22	9.46	32.62	369	25	A	H
CH 46	*	5148.72	60.24	-13.76	74	52.35	31.98	8.51	32.6	100	105	P	V
5230MHz		5150	50.04	-3.96	54	42.15	31.98	8.51	32.6	100	105	A	V
	*	5230	106.89	-	-	98.82	32.08	8.65	32.66	100	105	P	V
		5230	100.41	-	-	92.34	32.08	8.65	32.66	100	105	A	V
	*	5361.6	50.68	-23.32	74	41.6	32.24	9.46	32.62	100	105	P	V
		5350.32	43.54	-10.46	54	34.48	32.22	9.46	32.62	100	105	A	V

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

U-NII-1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac	*	10380	48.34	-19.96	68.3	48.58	39.11	12.09	51.44	-	-	P	H
VHT40		15570	48.96	-25.04	74	46.66	40.19	14.6	52.49	-	-	P	H
CH 38	*	10380	47.53	-20.77	68.3	47.77	39.11	12.09	51.44	-	-	P	V
5190MHz		15570	47.42	-26.58	74	45.12	40.19	14.6	52.49	-	-	P	V
802.11ac	*	10460	47.49	-20.81	68.3	47.53	39.17	12.15	51.36	-	-	P	H
VHT40		15690	48.32	-25.68	74	45.88	40.08	14.66	52.3	-	-	P	H
CH 46	*	10460	48.56	-19.74	68.3	48.6	39.17	12.15	51.36	-	-	P	V
5230MHz		15690	48.66	-25.34	74	46.22	40.08	14.66	52.3	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5139.1	54.52	-19.48	74	46.61	31.96	8.51	32.56	352	28	P	H
		5150	46.7	-7.3	54	38.81	31.98	8.51	32.6	352	28	A	H
	*	5210	97.48	-	-	89.44	32.06	8.65	32.67	352	28	P	H
802.11ac		5210	91.26	-	-	83.22	32.06	8.65	32.67	352	28	A	H
VHT80	*	5382.24	48	-26	74	38.9	32.26	9.46	32.62	352	28	P	H
CH 42		5350.56	38.68	-15.32	54	29.62	32.22	9.46	32.62	352	28	A	H
5210MHz	*	5148.2	59.74	-14.26	74	51.85	31.98	8.51	32.6	109	106	P	V
		5137.28	49.98	-4.02	54	42.07	31.96	8.51	32.56	109	106	A	V
	*	5210	102.22	-	-	94.18	32.06	8.65	32.67	109	106	P	V
		5210	95.3	-	-	87.26	32.06	8.65	32.67	109	106	A	V

	*	5350.32	48.58	-25.42	74	39.52	32.22	9.46	32.62	109	106	P	V
		5358.72	39.53	-14.47	54	30.47	32.22	9.46	32.62	109	106	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz	*	10420	48.22	-20.08	68.3	48.36	39.14	12.12	51.4	-	-	P	H
		15630	47.46	-26.54	74	45.09	40.13	14.62	52.38	-	-	P	H
	*	10420	48.19	-20.11	68.3	48.33	39.14	12.12	51.4	-	-	P	V
		15630	48.16	-25.84	74	45.79	40.13	14.62	52.38	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz	*	5148.98	52.21	-21.79	74	44.32	31.98	8.51	32.6	374	360	P	H
		5150	44.8	-9.2	54	36.91	31.98	8.51	32.6	374	360	A	H
	*	5180	104.66	-	-	96.69	32.02	8.58	32.63	374	360	P	H
		5180	98.51	-	-	90.54	32.02	8.58	32.63	374	360	A	H
	*	5148.98	57.18	-16.82	74	49.29	31.98	8.51	32.6	216	119	P	V
		5149.76	48.89	-5.11	54	41	31.98	8.51	32.6	216	119	A	V
	*	5180	107.36	-	-	99.39	32.02	8.58	32.63	216	119	P	V
		5180	101.29	-	-	93.32	32.02	8.58	32.63	216	119	A	V
802.11ax HE20 Full CH 44 5220MHz	*	5143.52	54.16	-19.84	74	46.23	31.98	8.51	32.56	350	360	P	H
		5149.76	42.07	-11.93	54	34.18	31.98	8.51	32.6	350	360	A	H
	*	5220	106.88	-	-	98.84	32.06	8.65	32.67	350	360	P	H
		5220	100.7	-	-	92.66	32.06	8.65	32.67	350	360	A	H
	*	5406.48	47.28	-26.72	74	37.96	32.28	9.66	32.62	350	360	P	H

		5357.28	37.97	-16.03	54	28.91	32.22	9.46	32.62	350	360	A	H
	*	5147.94	55.59	-18.41	74	47.7	31.98	8.51	32.6	358	270	P	V
		5150	42.11	-11.89	54	34.22	31.98	8.51	32.6	358	270	A	V
	*	5220	109.99	-	-	101.95	32.06	8.65	32.67	358	270	P	V
		5220	103.92	-	-	95.88	32.06	8.65	32.67	358	270	A	V
	*	5368.56	48.92	-25.08	74	39.84	32.24	9.46	32.62	358	270	P	V
		5351.04	38.55	-15.45	54	29.49	32.22	9.46	32.62	358	270	A	V
802.11ax HE20 Full CH 48 5240MHz	*	5138.84	50.21	-23.79	74	42.3	31.96	8.51	32.56	391	360	P	H
		5149.5	39.46	-14.54	54	31.57	31.98	8.51	32.6	391	360	A	H
	*	5240	108.42	-	-	100.15	32.08	8.85	32.66	391	360	P	H
		5240	102.38	-	-	94.11	32.08	8.85	32.66	391	360	A	H
	*	5350.8	48.9	-25.1	74	39.84	32.22	9.46	32.62	391	360	P	H
		5350.08	38.18	-15.82	54	29.12	32.22	9.46	32.62	391	360	A	H
	*	5148.2	49.85	-24.15	74	41.96	31.98	8.51	32.6	358	270	P	V
		5150	40.37	-13.63	54	32.48	31.98	8.51	32.6	358	270	A	V
	*	5240	108.48	-	-	100.21	32.08	8.85	32.66	358	270	P	V
		5240	102.49	-	-	94.22	32.08	8.85	32.66	358	270	A	V
	*	5359.44	51.3	-22.7	74	42.24	32.22	9.46	32.62	358	270	P	V
		5350.08	39.51	-14.49	54	30.45	32.22	9.46	32.62	358	270	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax	*	10360	48.14	-20.16	68.3	48.44	39.1	12.06	51.46	-	-	P	H
HE20 Full		15540	49.4	-24.6	74	47.13	40.22	14.59	52.54	-	-	P	H
CH 36	*	10360	47.91	-20.39	68.3	48.21	39.1	12.06	51.46	-	-	P	V
5180MHz		15540	49.58	-24.42	74	47.31	40.22	14.59	52.54	-	-	P	V
802.11ax	*	10440	48.12	-20.18	68.3	48.23	39.15	12.12	51.38	-	-	P	H
HE20 Full		15660	50.85	-23.15	74	48.45	40.11	14.64	52.35	-	-	P	H
CH 44	*	10440	48.34	-19.96	68.3	48.45	39.15	12.12	51.38	-	-	P	V
5220MHz		15660	50.31	-23.69	74	47.91	40.11	14.64	52.35	-	-	P	V
802.11ax	*	10480	48.31	-19.99	68.3	48.29	39.19	12.15	51.32	-	-	P	H
HE20 Full		15720	50.73	-23.27	74	48.26	40.05	14.66	52.24	-	-	P	H
CH 48	*	10480	49.33	-18.97	68.3	49.31	39.19	12.15	51.32	-	-	P	V
5240MHz		15720	50.51	-23.49	74	48.04	40.05	14.66	52.24	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5149.24	54.14	-19.86	74	46.25	31.98	8.51	32.6	192	301	P	H
		5149.24	46.91	-7.09	54	39.02	31.98	8.51	32.6	192	301	A	H
	*	5190	100.01	-	-	92.04	32.02	8.58	32.63	192	301	P	H
		5190	94.08	-	-	86.11	32.02	8.58	32.63	192	301	A	H
802.11ax	*	5414.08	47.76	-26.24	74	38.42	32.3	9.66	32.62	192	301	P	H
HE40 Full		5456.36	38.24	-15.76	54	29.02	32.34	9.68	32.8	192	301	A	H
CH 38	*	5149.5	56.18	-17.82	74	48.29	31.98	8.51	32.6	100	94	P	V
5190MHz		5149.5	49.89	-4.11	54	42	31.98	8.51	32.6	100	94	A	V
	*	5190	102.54	-	-	94.57	32.02	8.58	32.63	100	94	P	V
		5190	96.29	-	-	88.32	32.02	8.58	32.63	100	94	A	V
	*	5436.76	46.78	-27.22	74	37.49	32.32	9.68	32.71	100	94	P	V
		5422.48	38.29	-15.71	54	28.95	32.3	9.66	32.62	100	94	A	V
	*	5149.24	48.89	-25.11	74	41	31.98	8.51	32.6	192	301	P	H
		5148.72	40.62	-13.38	54	32.73	31.98	8.51	32.6	192	301	A	H
	*	5230	102.72	-	-	94.65	32.08	8.65	32.66	192	301	P	H
		5230	96.4	-	-	88.33	32.08	8.65	32.66	192	301	A	H
802.11ax	*	5401.68	47.12	-26.88	74	37.8	32.28	9.66	32.62	192	301	P	H
HE40 Full		5361.12	38.92	-15.08	54	29.84	32.24	9.46	32.62	192	301	A	H
CH 46	*	5149.5	49.55	-24.45	74	41.66	31.98	8.51	32.6	100	69	P	V
5230MHz		5149.24	41.99	-12.01	54	34.1	31.98	8.51	32.6	100	69	A	V
	*	5230	104.23	-	-	96.16	32.08	8.65	32.66	100	69	P	V
		5230	98.18	-	-	90.11	32.08	8.65	32.66	100	69	A	V
	*	5387.04	47.1	-26.9	74	38	32.26	9.46	32.62	100	69	P	V
		5350.08	38.99	-15.01	54	29.93	32.22	9.46	32.62	100	69	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax	*	10380	48.64	-19.66	68.3	48.88	39.11	12.09	51.44	-	-	P	H
HE40 Full		15570	50.37	-23.63	74	48.07	40.19	14.6	52.49	-	-	P	H
CH 38	*	10380	49.21	-19.09	68.3	49.45	39.11	12.09	51.44	-	-	P	V
5190MHz		15570	50.98	-23.02	74	48.68	40.19	14.6	52.49	-	-	P	V
802.11ax	*	10460	48.4	-19.9	68.3	48.44	39.17	12.15	51.36	-	-	P	H
HE40 Full		15690	50.78	-23.22	74	48.34	40.08	14.66	52.3	-	-	P	H
CH 46	*	10460	48.13	-20.17	68.3	48.17	39.17	12.15	51.36	-	-	P	V
5230MHz		15690	50.32	-23.68	74	47.88	40.08	14.66	52.3	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5148.46	53.74	-20.26	74	45.85	31.98	8.51	32.6	193	301	P	H
		5149.24	46.83	-7.17	54	38.94	31.98	8.51	32.6	193	301	A	H
	*	5210	98.11	-	-	90.07	32.06	8.65	32.67	193	301	P	H
		5210	92.15	-	-	84.11	32.06	8.65	32.67	193	301	A	H
802.11ax	*	5361.12	48.66	-25.34	74	39.58	32.24	9.46	32.62	193	301	P	H
HE80 Full		5350.8	39.08	-14.92	54	30.02	32.22	9.46	32.62	193	301	A	H
CH 42	*	5128.18	58.17	-15.83	74	50.26	31.96	8.51	32.56	100	69	P	V
5210MHz		5148.98	49.67	-4.33	54	41.78	31.98	8.51	32.6	100	69	A	V
	*	5210	102.04	-	-	94	32.06	8.65	32.67	100	69	P	V
		5210	95.9	-	-	87.86	32.06	8.65	32.67	100	69	A	V
	*	5357.52	47.96	-26.04	74	38.9	32.22	9.46	32.62	100	69	P	V
		5358.24	39.6	-14.4	54	30.54	32.22	9.46	32.62	100	69	A	V

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

U-NII-1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz	*	10420	48.86	-19.44	68.3	49	39.14	12.12	51.4	-	-	P	H
		15630	50.04	-23.96	74	47.67	40.13	14.62	52.38	-	-	P	H
	*	10420	48.87	-19.43	68.3	49.01	39.14	12.12	51.4	-	-	P	V
		15630	50.56	-23.44	74	48.19	40.13	14.62	52.38	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz	*	5081.38	48.8	-25.2	74	41	31.9	8.43	32.53	383	25	P	H
		5146.38	39.2	-14.8	54	31.31	31.98	8.51	32.6	383	25	A	H
	*	5260	105.94	-	-	97.62	32.12	8.85	32.65	383	25	P	H
		5260	97.99	-	-	89.67	32.12	8.85	32.65	383	25	A	H
	*	5447.28	47.32	-26.68	74	38.01	32.34	9.68	32.71	383	25	P	H
		5350.08	39.11	-14.89	54	30.05	32.22	9.46	32.62	383	25	A	H
	*	5149	49.36	-24.64	74	41.47	31.98	8.51	32.6	227	65	P	V
		5149.24	40.19	-13.81	54	32.3	31.98	8.51	32.6	227	65	A	V
	*	5260	109.08	-	-	100.76	32.12	8.85	32.65	227	65	P	V
		5260	101.18	-	-	92.86	32.12	8.85	32.65	227	65	A	V
	*	5360.16	48.9	-25.1	74	39.84	32.22	9.46	32.62	227	65	P	V
		5350.32	40.28	-13.72	54	31.22	32.22	9.46	32.62	227	65	A	V
802.11a	*	5051.8	46.3	-27.7	74	38.62	31.86	8.36	32.54	400	9	P	H

CH 60		5121.8	38.13	-15.87	54	30.24	31.94	8.51	32.56	400	9	A	H
5300MHz	*	5300	103.2	-	-	94.62	32.16	9.05	32.63	400	9	P	H
		5300	98.25	-	-	89.67	32.16	9.05	32.63	400	9	A	H
	*	5351.28	48.91	-25.09	74	39.85	32.22	9.46	32.62	400	9	P	H
		5351.04	42.05	-11.95	54	32.99	32.22	9.46	32.62	400	9	A	H
	*	5046.9	46.46	-27.54	74	38.78	31.86	8.36	32.54	245	122	P	V
		5123.2	38.37	-15.63	54	30.46	31.96	8.51	32.56	245	122	A	V
	*	5300	106.84	-	-	98.26	32.16	9.05	32.63	245	122	P	V
		5300	101.81	-	-	93.23	32.16	9.05	32.63	245	122	A	V
	*	5350.08	53.83	-20.17	74	44.77	32.22	9.46	32.62	245	122	P	V
		5350.08	45.73	-8.27	54	36.67	32.22	9.46	32.62	245	122	A	V
802.11a	*	5320	104.7	-	-	95.89	32.18	9.26	32.63	396	1	P	H
		5320	96.94	-	-	88.13	32.18	9.26	32.63	396	1	A	H
	*	5350.88	53.24	-20.76	74	44.18	32.22	9.46	32.62	396	1	P	H
		5352.32	44.88	-9.12	54	35.82	32.22	9.46	32.62	396	1	A	H
CH 64	*	5320	107.73	-	-	98.92	32.18	9.26	32.63	236	84	P	V
		5320	100.03	-	-	91.22	32.18	9.26	32.63	236	84	A	V
5320MHz	*	5351.04	58.76	-15.24	74	49.7	32.22	9.46	32.62	236	84	P	V
		5350.72	49.11	-4.89	54	40.05	32.22	9.46	32.62	236	84	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz	*	10520	49.08	-19.22	68.3	49.03	39.22	12.17	51.34	-	-	P	H
		15780	48.86	-25.14	74	46.33	40	14.69	52.16	-	-	P	H
	*	10520	48.77	-19.53	68.3	48.72	39.22	12.17	51.34	-	-	P	V
		15780	48.3	-25.7	74	45.77	40	14.69	52.16	-	-	P	V
802.11a CH 60 5300MHz		10600	48.88	-25.12	74	48.89	39.29	12.23	51.53	-	-	P	H
	*	15900	50.63	-25.12	74	47.96	39.89	14.75	51.97	-	-	P	H
		10600	49.25	-24.75	74	49.26	39.29	12.23	51.53	-	-	P	V
	*	15900	49.49	-24.51	74	46.82	39.89	14.75	51.97	-	-	P	V
802.11a CH 64 5320MHz		10640	48.32	-25.68	74	48.34	39.32	12.26	51.6	-	-	P	H
	*	15960	50.42	-23.58	74	47.67	39.83	14.78	51.86	-	-	P	H
		10640	48.3	-25.7	74	48.32	39.32	12.26	51.6	-	-	P	V
	*	15960	49.56	-24.44	74	46.81	39.83	14.78	51.86	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 52 5260MHz	*	5038.48	47.33	-26.67	74	39.65	31.86	8.36	32.54	387	28	P	H
		5147.16	38.43	-15.57	54	30.54	31.98	8.51	32.6	387	28	A	H
	*	5260	104.11	-	-	95.79	32.12	8.85	32.65	387	28	P	H
		5260	98.43	-	-	90.11	32.12	8.85	32.65	387	28	A	H
	*	5454.72	46.1	-27.9	74	36.88	32.34	9.68	32.8	387	28	P	H
		5350.08	38.52	-15.48	54	29.46	32.22	9.46	32.62	387	28	A	H
	*	5126.88	49.04	-24.96	74	41.13	31.96	8.51	32.56	227	72	P	V
		5147.94	39.55	-14.45	54	31.66	31.98	8.51	32.6	227	72	A	V
	*	5260	107.85	-	-	99.53	32.12	8.85	32.65	227	72	P	V
		5260	101.88	-	-	93.56	32.12	8.85	32.65	227	72	A	V

	*	5359.44	46.94	-27.06	74	37.88	32.22	9.46	32.62	227	72	P	V
		5350.32	39.76	-14.24	54	30.7	32.22	9.46	32.62	227	72	A	V
	*	5134.75	46.18	-27.82	74	38.27	31.96	8.51	32.56	400	24	P	H
		5062.65	37.81	-16.19	54	30.11	31.88	8.36	32.54	400	24	A	H
	*	5300	105.91	-	-	97.33	32.16	9.05	32.63	400	24	P	H
		5300	98.81	-	-	90.23	32.16	9.05	32.63	400	24	A	H
802.11ac	*	5351.04	52.32	-21.68	74	43.26	32.22	9.46	32.62	400	24	P	H
VHT20		5350.8	44.85	-9.15	54	35.79	32.22	9.46	32.62	400	24	A	H
CH 60	*	5127.05	47.26	-26.74	74	39.35	31.96	8.51	32.56	244	119	P	V
5300MHz		5145.95	38	-16	54	30.11	31.98	8.51	32.6	244	119	A	V
	*	5300	106.76	-	-	98.18	32.16	9.05	32.63	244	119	P	V
		5300	101.7	-	-	93.12	32.16	9.05	32.63	244	119	A	V
	*	5351.28	55.39	-18.61	74	46.33	32.22	9.46	32.62	244	119	P	V
	*	5350.5	47.46	-6.54	54	38.4	32.22	9.46	32.62	244	119	P	V
	*	5320	106.03	-	-	97.22	32.18	9.26	32.63	395	23	P	H
		5320	99.03	-	-	90.22	32.18	9.26	32.63	395	23	A	H
802.11ac	*	5353.76	54.85	-19.15	74	45.79	32.22	9.46	32.62	395	23	P	H
VHT20		5353.44	44.42	-9.58	54	35.36	32.22	9.46	32.62	395	23	A	H
CH 64	*	5320	106.94	-	-	98.13	32.18	9.26	32.63	248	83	P	V
5320MHz		5320	100.03	-	-	91.22	32.18	9.26	32.63	248	83	A	V
	*	5351.84	58.05	-15.95	74	48.99	32.22	9.46	32.62	248	83	P	V
		5351.04	50.88	-3.12	54	41.82	32.22	9.46	32.62	248	83	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac	*	10520	48.71	-19.59	68.3	48.66	39.22	12.17	51.34	-	-	P	H
VHT20		15780	49.4	-24.6	74	46.87	40	14.69	52.16	-	-	P	H
CH 52	*	10520	49.78	-18.52	68.3	49.73	39.22	12.17	51.34	-	-	P	V
5260MHz		15780	48.62	-25.38	74	46.09	40	14.69	52.16	-	-	P	V
802.11ac		10600	48.85	-25.15	74	48.86	39.29	12.23	51.53	-	-	P	H
VHT20	*	15900	50.15	-23.85	74	47.48	39.89	14.75	51.97	-	-	P	H
CH 60		10600	49.03	-24.97	74	49.04	39.29	12.23	51.53	-	-	P	V
5300MHz	*	15900	50.78	-23.22	74	48.11	39.89	14.75	51.97	-	-	P	V
802.11ac		10640	47.86	-26.14	74	47.88	39.32	12.26	51.6	-	-	P	H
VHT20	*	15960	50.49	-23.51	74	47.74	39.83	14.78	51.86	-	-	P	H
CH 64		10640	48.2	-25.8	74	48.22	39.32	12.26	51.6	-	-	P	V
5320MHz	*	15960	50.47	-23.53	74	47.72	39.83	14.78	51.86	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 54 5270MHz	*	5143.15	49.31	-24.69	74	41.38	31.98	8.51	32.56	385	26	P	H
		5142.1	41.79	-12.21	54	33.86	31.98	8.51	32.56	385	26	A	H
	*	5270	103.11	-	-	94.79	32.12	8.85	32.65	385	26	P	H
		5270	96.99	-	-	88.67	32.12	8.85	32.65	385	26	A	H
	*	5350.08	53.17	-20.83	74	44.11	32.22	9.46	32.62	385	26	P	H
		5351.04	44.46	-9.54	54	35.4	32.22	9.46	32.62	385	26	A	H
	*	5149.45	53.21	-20.79	74	45.32	31.98	8.51	32.6	112	70	P	V
		5148.4	44.58	-9.42	54	36.69	31.98	8.51	32.6	112	70	A	V
	*	5270	107.89	-	-	99.57	32.12	8.85	32.65	112	70	P	V
		5270	100.43	-	-	92.11	32.12	8.85	32.65	112	70	A	V
	*	5353.92	56.74	-17.26	74	47.68	32.22	9.46	32.62	112	70	P	V
		5350.08	49.73	-4.27	54	40.67	32.22	9.46	32.62	112	70	A	V
802.11ac VHT40 CH 62 5310MHz	*	5093.1	47.35	-26.65	74	39.53	31.92	8.43	32.53	382	28	P	H
		5073.15	38.35	-15.65	54	30.62	31.9	8.36	32.53	382	28	A	H
	*	5310	101.95	-	-	93.14	32.18	9.26	32.63	382	28	P	H
		5310	94.47	-	-	85.66	32.18	9.26	32.63	382	28	A	H
	*	5351.04	54.61	-19.39	74	45.55	32.22	9.46	32.62	382	28	P	H
		5350.56	46.09	-7.91	54	37.03	32.22	9.46	32.62	382	28	A	H
	*	5043.75	47.65	-26.35	74	39.97	31.86	8.36	32.54	100	66	P	V
		5099.4	38.44	-15.56	54	30.62	31.92	8.43	32.53	100	66	A	V
	*	5310	106.64	-	-	97.83	32.18	9.26	32.63	100	66	P	V
		5310	100.07	-	-	91.26	32.18	9.26	32.63	100	66	A	V
	*	5350.32	57.7	-16.3	74	48.64	32.22	9.46	32.62	100	66	P	V
		5350.08	49.83	-4.17	54	40.77	32.22	9.46	32.62	100	66	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac	*	10540	48.45	-19.85	68.3	48.4	39.23	12.2	51.38	-	-	P	H
VHT40		15810	50.36	-23.64	74	47.78	39.97	14.71	52.1	-	-	P	H
CH 54	*	10540	49.93	-18.37	68.3	49.88	39.23	12.2	51.38	-	-	P	V
5270MHz		15810	49.01	-24.99	74	46.43	39.97	14.71	52.1	-	-	P	V
802.11ac		10620	49.31	-24.69	74	49.32	39.3	12.26	51.57	-	-	P	H
VHT40	*	15930	50.39	-23.61	74	47.68	39.86	14.76	51.91	-	-	P	H
CH 62		10620	50.04	-23.96	74	50.05	39.3	12.26	51.57	-	-	P	V
5310MHz	*	15930	50.67	-23.33	74	47.96	39.86	14.76	51.91	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5142.1	48.65	-25.35	74	40.72	31.98	8.51	32.56	388	27	P	H
		5150	40.35	-13.65	54	32.46	31.98	8.51	32.6	388	27	A	H
	*	5290	98.41	-	-	89.86	32.14	9.05	32.64	388	27	P	H
		5290	90.89	-	-	82.34	32.14	9.05	32.64	388	27	A	H
802.11ac	*	5350.08	52.96	-21.04	74	43.9	32.22	9.46	32.62	388	27	P	H
VHT80		5358.72	44.84	-9.16	54	35.78	32.22	9.46	32.62	388	27	A	H
CH 58	*	5148.75	49.58	-24.42	74	41.69	31.98	8.51	32.6	100	67	P	V
5290MHz		5148.4	41.94	-12.06	54	34.05	31.98	8.51	32.6	100	67	A	V
	*	5290	102.44	-	-	93.89	32.14	9.05	32.64	100	67	P	V
		5290	94.78	-	-	86.23	32.14	9.05	32.64	100	67	A	V
	*	5355.36	56.91	-17.09	74	47.85	32.22	9.46	32.62	100	67	P	V
		5357.28	49.25	-4.75	54	40.19	32.22	9.46	32.62	100	67	A	V

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

U-NII-2A 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac	*	10580	49.08	-19.22	68.3	49.07	39.27	12.23	51.49	-	-	P	H
VHT80		15870	50.33	-23.67	74	47.68	39.91	14.73	51.99	-	-	P	H
CH 58	*	10580	49.14	-19.16	68.3	49.13	39.27	12.23	51.49	-	-	P	V
5290MHz		15870	50.7	-23.3	74	48.05	39.91	14.73	51.99	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ac VHT160 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5119.08	57.55	-16.45	74	49.66	31.94	8.51	32.56	383	26	P	H
		5120.9	48.22	-5.78	54	40.33	31.94	8.51	32.56	383	26	A	H
	*	5250	93.77	-	-	85.47	32.1	8.85	32.65	383	26	P	H
		5250	86.92	-	-	78.62	32.1	8.85	32.65	383	26	A	H
802.11ac	*	5381.04	56.3	-17.7	74	47.2	32.26	9.46	32.62	383	26	P	H
VHT160		5391.12	47.82	-6.18	54	38.52	32.26	9.66	32.62	383	26	A	H
CH 50	*	5118.3	58.66	-15.34	74	50.77	31.94	8.51	32.56	107	64	P	V
5250MHz		5118.56	50.2	-3.8	54	42.31	31.94	8.51	32.56	107	64	A	V
	*	5250	94.3	-	-	86	32.1	8.85	32.65	107	64	P	V
		5250	86.96	-	-	78.66	32.1	8.85	32.65	107	64	A	V
	*	5390.16	58.79	-15.21	74	49.49	32.26	9.66	32.62	107	64	P	V
		5398.8	50.97	-3.03	54	41.65	32.28	9.66	32.62	107	64	A	V

Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.

U-NII-2A 5250~5350MHz

WIFI 802.11ac VHT160 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT160 CH 50 5250MHz	*	10500	48.86	-19.44	68.3	48.78	39.21	12.17	51.3	-	-	P	H
		15750	49.65	-24.35	74	47.15	40.02	14.67	52.19	-	-	P	H
	*	10500	48.47	-19.83	68.3	48.39	39.21	12.17	51.3	-	-	P	V
		15750	49.41	-24.59	74	46.91	40.02	14.67	52.19	-	-	P	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 52 5260MHz	*	5145.86	50.15	-23.85	74	42.26	31.98	8.51	32.6	382	22	P	H
		5147.68	38.9	-15.1	54	31.01	31.98	8.51	32.6	382	22	A	H
	*	5260	107.79	-	-	99.47	32.12	8.85	32.65	382	22	P	H
		5260	99.98	-	-	91.66	32.12	8.85	32.65	382	22	A	H
	*	5358	48.9	-25.1	74	39.84	32.22	9.46	32.62	382	22	P	H
		5353.44	38.7	-15.3	54	29.64	32.22	9.46	32.62	382	22	A	H
	*	5144.3	49.99	-24.01	74	42.1	31.98	8.51	32.6	249	109	P	V
		5147.68	39.41	-14.59	54	31.52	31.98	8.51	32.6	249	109	A	V
	*	5260	111.11	-	-	102.79	32.12	8.85	32.65	249	109	P	V
		5260	101.99	-	-	93.67	32.12	8.85	32.65	249	109	A	V
	*	5376	50.42	-23.58	74	41.34	32.24	9.46	32.62	249	109	P	V
		5350.08	39.34	-14.66	54	30.28	32.22	9.46	32.62	249	109	A	V
802.11ax HE20 Full CH 60	*	5066.15	47.41	-26.59	74	39.71	31.88	8.36	32.54	394	26	P	H
		5143.85	37.94	-16.06	54	30.05	31.98	8.51	32.6	394	26	A	H
	*	5300	106.73	-	-	98.15	32.16	9.05	32.63	394	26	P	H

5300MHz		5300	99.81	-	-	91.23	32.16	9.05	32.63	394	26	A	H
	*	5355.36	54.59	-19.41	74	45.53	32.22	9.46	32.62	394	26	P	H
		5350.56	45.03	-8.97	54	35.97	32.22	9.46	32.62	394	26	A	H
	*	5029.75	47.52	-26.48	74	39.93	31.84	8.29	32.54	247	103	P	V
		5148.05	38.12	-15.88	54	30.23	31.98	8.51	32.6	247	103	A	V
	*	5300	107.49	-	-	98.91	32.16	9.05	32.63	247	103	P	V
		5300	101.7	-	-	93.12	32.16	9.05	32.63	247	103	A	V
	*	5355.12	57.66	-16.34	74	48.6	32.22	9.46	32.62	247	103	P	V
		5350.08	48.18	-5.82	54	39.12	32.22	9.46	32.62	247	103	A	V
802.11ax HE20 Full CH 64 5320MHz	*	5320	106.07	-	-	97.26	32.18	9.26	32.63	396	360	P	H
		5320	99.92	-	-	91.11	32.18	9.26	32.63	396	360	A	H
	*	5351.68	48.56	-25.44	74	39.5	32.22	9.46	32.62	396	360	P	H
		5353.12	41.5	-12.5	54	32.44	32.22	9.46	32.62	396	360	A	H
	*	5320	108.23	-	-	99.42	32.18	9.26	32.63	236	90	P	V
		5320	102.14	-	-	93.33	32.18	9.26	32.63	236	90	A	V
	*	5351.68	59.82	-14.18	74	50.76	32.22	9.46	32.62	236	90	P	V
		5351.04	50.83	-3.17	54	41.77	32.22	9.46	32.62	236	90	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					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)
802.11ax	*	10520	47.97	-20.33	68.3	47.92	39.22	12.17	51.34	-	-	P	H
HE20 Full		15780	50.55	-23.45	74	48.02	40	14.69	52.16	-	-	P	H
CH 52	*	10520	48.43	-19.87	68.3	48.38	39.22	12.17	51.34	-	-	P	V
5260MHz		15780	50.55	-23.45	74	48.02	40	14.69	52.16	-	-	P	V
802.11ax		10600	48.67	-25.33	74	48.68	39.29	12.23	51.53	-	-	P	H
HE20 Full	*	15900	50.49	-23.51	74	47.82	39.89	14.75	51.97	-	-	P	H
CH 60		10600	49.38	-24.62	74	49.39	39.29	12.23	51.53	-	-	P	V
5300MHz	*	15900	50.07	-23.93	74	47.4	39.89	14.75	51.97	-	-	P	V
802.11ax		10640	47.68	-26.32	74	47.7	39.32	12.26	51.6	-	-	P	H

HE20 Full	*	15960	50.19	-23.81	74	47.44	39.83	14.78	51.86	-	-	P	H
CH 64		10640	48.4	-25.6	74	48.42	39.32	12.26	51.6	-	-	P	V
5320MHz	*	15960	50.37	-23.63	74	47.62	39.83	14.78	51.86	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					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)
802.11ax HE40 Full CH 54 5270MHz	*	5120.4	47.72	-26.28	74	39.83	31.94	8.51	32.56	100	27	P	H
		5149.1	39.11	-14.89	54	31.22	31.98	8.51	32.6	100	27	A	H
	*	5270	101.99	-	-	93.67	32.12	8.85	32.65	100	27	P	H
		5270	95.87	-	-	87.55	32.12	8.85	32.65	100	27	A	H
	*	5353.92	49.35	-24.65	74	40.29	32.22	9.46	32.62	100	27	P	H
		5350.32	38.99	-15.01	54	29.93	32.22	9.46	32.62	100	27	A	H
	*	5150.15	46.75	-27.44	74	40.98	31.98	8.51	32.6	100	95	P	V
		5149.1	39.63	-14.37	54	31.74	31.98	8.51	32.6	100	95	A	V
	*	5270	106.8	-	-	98.48	32.12	8.85	32.65	100	95	P	V
		5270	100.65	-	-	92.33	32.12	8.85	32.65	100	95	A	V
	*	5368.8	49.29	-24.71	74	40.21	32.24	9.46	32.62	100	95	P	V
802.11ax HE40 Full CH 62 5310MHz	*	5123.2	47.51	-26.49	74	39.6	31.96	8.51	32.56	186	300	P	H
		5078.05	38.42	-15.58	54	30.62	31.9	8.43	32.53	186	300	A	H
	*	5310	102.8	-	-	93.99	32.18	9.26	32.63	186	300	P	H
		5310	96.47	-	-	87.66	32.18	9.26	32.63	186	300	A	H
	*	5350.32	57.82	-16.18	74	48.76	32.22	9.46	32.62	186	300	P	H
		5350.08	49.97	-4.03	54	40.91	32.22	9.46	32.62	186	300	A	H
	*	5033.25	47.36	-26.64	74	39.77	31.84	8.29	32.54	100	68	P	V
		5126.7	38.49	-15.51	54	30.58	31.96	8.51	32.56	100	68	A	V
	*	5310	105.09	-	-	96.28	32.18	9.26	32.63	100	68	P	V
		5310	98.92	-	-	90.11	32.18	9.26	32.63	100	68	A	V
	*	5350.08	58.39	-15.61	74	49.33	32.22	9.46	32.62	100	68	P	V
		5350.08	50.55	-3.45	54	41.49	32.22	9.46	32.62	100	68	A	V

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

U-NII-2A 5250~5350MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax	*	10540	48.87	-19.43	68.3	48.82	39.23	12.2	51.38	-	-	P	H
HE40 Full		15810	48.78	-25.22	74	46.2	39.97	14.71	52.1	-	-	P	H
CH 54	*	10540	48.6	-19.70	68.3	48.55	39.23	12.2	51.38	-	-	P	V
5270MHz		15810	49.54	-24.46	74	46.96	39.97	14.71	52.1	-	-	P	V
802.11ax	*	10620	49.99	-24.01	74	50	39.3	12.26	51.57	-	-	P	H
HE40 Full		15930	49.68	-24.32	74	46.97	39.86	14.76	51.91	-	-	P	H
CH 62		10620	48.32	-25.68	74	48.33	39.3	12.26	51.57	-	-	P	V
5310MHz	*	15930	50.6	-23.4	74	47.89	39.86	14.76	51.91	-	-	P	V

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

U-NII-2A 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5023.45	47.78	-26.22	74	40.19	31.84	8.29	32.54	193	301	P	H
		5144.9	39.72	-14.28	54	31.83	31.98	8.51	32.6	193	301	A	H
	*	5290	101.05	-	-	92.5	32.14	9.05	32.64	193	301	P	H
802.11ax		5290	94.88	-	-	86.33	32.14	9.05	32.64	193	301	A	H
HE80 Full	*	5360.64	58.02	-15.98	74	48.94	32.24	9.46	32.62	193	301	P	H
CH 58		5350.08	48.06	-5.94	54	39	32.22	9.46	32.62	193	301	A	H
5290MHz	*	5091.35	48.28	-25.72	74	40.46	31.92	8.43	32.53	109	68	P	V
		5150	41.22	-12.78	54	33.33	31.98	8.51	32.6	109	68	A	V
	*	5290	104.34	-	-	95.79	32.14	9.05	32.64	109	68	P	V
		5290	98.21	-	-	89.66	32.14	9.05	32.64	109	68	A	V

	*	5353.92	57.46	-16.54	74	48.4	32.22	9.46	32.62	109	68	P	V
		5356.8	48.49	-5.51	54	39.43	32.22	9.46	32.62	109	68	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax	*	10580	49.64	-18.66	68.3	49.63	39.27	12.23	51.49	-	-	P	H
HE80 Full		15870	50.05	-23.95	74	47.4	39.91	14.73	51.99	-	-	P	H
CH 58	*	10580	48.92	-19.38	68.3	48.91	39.27	12.23	51.49	-	-	P	V
5290MHz		15870	50.11	-23.89	74	47.46	39.91	14.73	51.99	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5148.46	53.39	-20.61	74	45.5	31.98	8.51	32.6	194	301	P	H
		5119.08	44.44	-9.56	54	36.55	31.94	8.51	32.56	194	301	A	H
	*	5250	97.09	-	-	88.79	32.1	8.85	32.65	194	301	P	H
		5250	90.85	-	-	82.55	32.1	8.85	32.65	194	301	A	H
802.11ax	*	5381.52	60.18	-13.82	74	51.08	32.26	9.46	32.62	194	301	P	H
HE160 Full		5381.52	50.9	-3.1	54	41.8	32.26	9.46	32.62	194	301	A	H
CH 50	*	5113.88	58.96	-15.04	74	51.12	31.94	8.43	32.53	109	68	P	V
5250MHz		5118.56	49.97	-4.03	54	42.08	31.94	8.51	32.56	109	68	A	V
	*	5250	97.35	-	-	89.05	32.1	8.85	32.65	109	68	P	V
		5250	91.41	-	-	83.11	32.1	8.85	32.65	109	68	A	V
	*	5384.16	59.83	-14.17	74	50.73	32.26	9.46	32.62	109	68	P	V
		5398.56	50.39	-3.61	54	41.07	32.28	9.66	32.62	109	68	A	V

Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.

U-NII-2A 5250~5350MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 50 5250MHz	*	10580	49.64	-19.09	68.3	49.63	39.27	12.23	51.49	-	-	P	H
		15870	50.05	-23.95	74	47.4	39.91	14.73	51.99	-	-	P	H
	*	10580	48.92	-19.61	68.3	48.91	39.27	12.23	51.49	-	-	P	V
		15870	50.11	-23.89	74	47.46	39.91	14.73	51.99	-	-	P	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

U-NII-2C - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5456.4	59.33	-14.67	74	50.11	32.34	9.68	32.8	244	302	P	H
	*	5467.44	62.62	-5.68	68.3	53.36	32.36	9.7	32.8	244	302	P	H
		5459.76	49.56	-4.44	54	40.34	32.34	9.68	32.8	244	302	A	H
	*	5500	104.68	-	-	95.47	32.4	9.7	32.89	244	302	P	H
		5500	98.54	-	-	89.33	32.4	9.7	32.89	244	302	A	H
		5459.92	58.9	-15.1	74	49.68	32.34	9.68	32.8	252	82	P	V
	*	5462.32	62.14	-6.16	68.3	52.92	32.34	9.68	32.8	252	82	P	V
		5460	50.14	-3.86	54	40.92	32.34	9.68	32.8	252	82	A	V
	*	5500	107.58	-	-	98.37	32.4	9.7	32.89	252	82	P	V
		5500	101.45	-	-	92.24	32.4	9.7	32.89	252	82	A	V
802.11a CH 116 5580MHz		5452.48	47.27	-26.73	74	38.05	32.34	9.68	32.8	249	302	P	H
	*	5463.76	47.05	-21.25	68.3	37.81	32.36	9.68	32.8	249	302	P	H
		5452.96	38.67	-15.33	54	29.45	32.34	9.68	32.8	249	302	A	H

	*	5580	106.16	-	-	96.71	32.44	9.74	32.73	249	302	P	H
		5580	99.56	-	-	90.11	32.44	9.74	32.73	249	302	A	H
	*	5755.235	48.49	-19.81	68.3	38.77	32.56	10.09	32.93	249	302	P	H
		5459.44	48.33	-25.67	74	39.11	32.34	9.68	32.8	256	97	P	V
	*	5460.16	47.19	-21.11	68.3	37.97	32.34	9.68	32.8	256	97	P	V
		5449.6	38.66	-15.34	54	29.35	32.34	9.68	32.71	256	97	A	V
	*	5580	108.79	-	-	99.34	32.44	9.74	32.73	256	97	P	V
		5580	102.71	-	-	93.26	32.44	9.74	32.73	256	97	A	V
	*	5730.665	49.38	-18.92	68.3	39.77	32.53	10.01	32.93	256	97	P	V
802.11a CH 140 5700MHz	*	5700	103.16	-	-	93.52	32.51	10.01	32.88	304	300	P	H
		5700	97.08	-	-	87.44	32.51	10.01	32.88	304	300	A	H
	*	5726.44	58.01	-10.29	68.3	48.37	32.53	10.01	32.9	304	300	P	H
	*	5700	105.15	-	-	95.51	32.51	10.01	32.88	234	84	P	V
		5700	98.79	-	-	89.15	32.51	10.01	32.88	234	84	A	V
	*	5725.96	56.59	-11.71	68.3	46.95	32.53	10.01	32.9	234	84	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					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 100 5500MHz		11000	47.61	-26.39	74	47.9	39.6	12.51	52.4	-	-	P	H
	*	16500	50.15	-18.15	68.3	46.99	40.51	15.15	52.5	-	-	P	H
		11000	47.26	-26.74	74	47.55	39.6	12.51	52.4	-	-	P	V
	*	16500	50.55	-17.75	68.3	47.39	40.51	15.15	52.5	-	-	P	V
802.11a CH 116 5580MHz		11160	47.06	-26.94	74	47.35	39.63	12.65	52.57	-	-	P	H
	*	16740	50.31	-17.99	68.3	46.37	40.84	15.36	52.26	-	-	P	H
		11160	47.48	-26.52	74	47.77	39.63	12.65	52.57	-	-	P	V
	*	16740	50.11	-18.19	68.3	46.17	40.84	15.36	52.26	-	-	P	V
802.11a CH 140 5700MHz		11400	47.38	-26.62	74	47.68	39.68	12.82	52.8	-	-	P	H
	*	17100	50.2	-18.1	68.3	44.78	41.94	15.62	52.14	-	-	P	H
		11400	46.83	-27.17	74	47.13	39.68	12.82	52.8	-	-	P	V

	*	17100	49.2	-19.1	68.3	43.78	41.94	15.62	52.14	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.8	58.46	-15.54	74	49.24	32.34	9.68	32.8	227	290	P	H
	*	5469.52	62.08	-6.22	68.3	52.82	32.36	9.7	32.8	227	290	P	H
		5460	49.66	-4.34	54	40.44	32.34	9.68	32.8	227	290	A	H
802.11ac	*	5500	106.74	-	-	97.53	32.4	9.7	32.89	227	290	P	H
VHT20		5500	98.84	-	-	89.63	32.4	9.7	32.89	227	290	A	H
CH 100		5459.6	60.99	-13.01	74	51.77	32.34	9.68	32.8	247	77	P	V
5500MHz	*	5468.4	62.45	-5.85	68.3	53.19	32.36	9.7	32.8	247	77	P	V
		5460	50.38	-3.62	54	41.16	32.34	9.68	32.8	247	77	A	V
	*	5500	108.2	-	-	98.99	32.4	9.7	32.89	247	77	P	V
		5500	101.34	-	-	92.13	32.4	9.7	32.89	247	77	A	V
		5429.68	47	-27	74	37.71	32.32	9.68	32.71	230	298	P	H
	*	5466.64	46.87	-21.43	68.3	37.61	32.36	9.7	32.8	230	298	P	H
		5459.2	37.9	-16.1	54	28.68	32.34	9.68	32.8	230	298	A	H
	*	5580	106.23	-	-	96.78	32.44	9.74	32.73	230	298	P	H
802.11ac		5580	99.37	-	-	89.92	32.44	9.74	32.73	230	298	A	H
VHT20	*	5747.36	47.65	-20.65	68.3	37.95	32.54	10.09	32.93	230	298	P	H
CH 116		5350.72	47.6	-26.4	74	38.54	32.22	9.46	32.62	248	78	P	V
5580MHz	*	5464.72	46.78	-21.52	68.3	37.54	32.36	9.68	32.8	248	78	P	V
		5459.2	38.21	-15.79	54	28.99	32.34	9.68	32.8	248	78	A	V
	*	5580	108.67	-	-	99.22	32.44	9.74	32.73	248	78	P	V
		5580	100.84	-	-	91.39	32.44	9.74	32.73	248	78	A	V
	*	5759.96	49.1	-19.2	68.3	39.41	32.56	10.09	32.96	248	78	P	V

	*	5700	108.11	-	-	98.47	32.51	10.01	32.88	233	300	P	H
802.11ac		5700	100.88	-	-	91.24	32.51	10.01	32.88	233	300	A	H
VHT20	*	5732.04	59.76	-8.54	68.3	50.15	32.53	10.01	32.93	233	300	P	H
CH 140	*	5700	108.13	-	-	98.49	32.51	10.01	32.88	244	57	P	V
5700MHz		5700	100.99	-	-	91.35	32.51	10.01	32.88	244	57	A	V
	*	5725.56	59.29	-9.01	68.3	49.65	32.53	10.01	32.9	244	57	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11000	47.13	-26.87	74	47.42	39.6	12.51	52.4	-	-	P	H
VHT20	*	16500	49.49	-18.81	68.3	46.33	40.51	15.15	52.5	-	-	P	H
CH 100		11000	47.51	-26.49	74	47.8	39.6	12.51	52.4	-	-	P	V
5500MHz	*	16500	49.31	-18.99	68.3	46.15	40.51	15.15	52.5	-	-	P	V
802.11ac		11160	46.62	-27.38	74	46.91	39.63	12.65	52.57	-	-	P	H
VHT20	*	16740	47.17	-21.13	68.3	43.23	40.84	15.36	52.26	-	-	P	H
CH 116		11160	46.37	-27.63	74	46.66	39.63	12.65	52.57	-	-	P	V
5580MHz	*	16740	48.2	-20.1	68.3	44.26	40.84	15.36	52.26	-	-	P	V
802.11ac		11400	48.01	-25.99	74	48.31	39.68	12.82	52.8	-	-	P	H
VHT20	*	17100	50.51	-17.79	68.3	45.09	41.94	15.62	52.14	-	-	P	H
CH 140		11400	45.86	-28.14	74	46.16	39.68	12.82	52.8	-	-	P	V
5700MHz	*	17100	50.13	-18.17	68.3	44.71	41.94	15.62	52.14	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5452.24	51.75	-22.25	74	42.53	32.34	9.68	32.8	241	300	P	H
	*	5470	58.88	-9.42	68.3	49.62	32.36	9.7	32.8	241	300	P	H
		5459.92	43.75	-10.25	54	34.53	32.34	9.68	32.8	241	300	A	H
	*	5510	100.25	-	-	90.98	32.4	9.72	32.85	241	300	P	H
802.11ac		5510	94.12	-	-	84.85	32.4	9.72	32.85	241	300	A	H
VHT40	*	5752.715	48.57	-19.73	68.3	38.85	32.56	10.09	32.93	241	300	P	H
CH 102		5459.92	55.24	-18.76	74	46.02	32.34	9.68	32.8	258	64	P	V
5510MHz	*	5468.8	59.47	-8.83	68.3	50.21	32.36	9.7	32.8	258	64	P	V
		5459.92	46.51	-7.49	54	37.29	32.34	9.68	32.8	258	64	A	V
	*	5510	102.63	-	-	93.36	32.4	9.72	32.85	258	64	P	V
		5510	95.5	-	-	86.23	32.4	9.72	32.85	258	64	A	V
	*	5738.855	48.35	-19.95	68.3	38.65	32.54	10.09	32.93	258	64	P	V
		5459.2	50.29	-23.71	74	41.07	32.34	9.68	32.8	226	299	P	H
	*	5461.36	51.79	-16.51	68.3	42.57	32.34	9.68	32.8	226	299	P	H
		5459.44	43.57	-10.43	54	34.35	32.34	9.68	32.8	226	299	A	H
	*	5550	102.07	-	-	92.71	32.43	9.74	32.81	226	299	P	H
802.11ac		5550	97.98	-	-	88.62	32.43	9.74	32.81	226	299	A	H
VHT40	*	5741.375	47.47	-20.83	68.3	37.77	32.54	10.09	32.93	226	299	P	H
CH 110		5458.72	53.99	-20.01	74	44.77	32.34	9.68	32.8	274	64	P	V
5550MHz	*	5469.28	56.36	-11.94	68.3	47.1	32.36	9.7	32.8	274	64	P	V
		5458.72	45.83	-8.17	54	36.61	32.34	9.68	32.8	274	64	A	V
	*	5550	104.98	-	-	95.62	32.43	9.74	32.81	274	64	P	V
		5550	99.02	-	-	89.66	32.43	9.74	32.81	274	64	A	V
	*	5725.31	48.75	-19.55	68.3	39.11	32.53	10.01	32.9	274	64	P	V

		5421.05	47.48	-26.52	74	38.14	32.3	9.66	32.62	242	295	P	H
	*	5466.55	46.1	-22.2	68.3	36.84	32.36	9.7	32.8	242	295	P	H
		5451.15	38.26	-15.74	54	29.04	32.34	9.68	32.8	242	295	A	H
	*	5670	103.63	-	-	94.05	32.5	9.92	32.84	242	295	P	H
802.11ac		5670	96.92	-	-	87.34	32.5	9.92	32.84	242	295	A	H
VHT40	*	5725.45	56.32	-11.98	68.3	46.68	32.53	10.01	32.9	242	295	P	H
CH 134		5429.8	47.1	-26.9	74	37.81	32.32	9.68	32.71	263	68	P	V
5670MHz	*	5469.7	46.38	-21.92	68.3	37.12	32.36	9.7	32.8	263	68	P	V
		5431.9	38.57	-15.43	54	29.28	32.32	9.68	32.71	263	68	A	V
	*	5670	105.5	-	-	95.92	32.5	9.92	32.84	263	68	P	V
		5670	97.84	-	-	88.26	32.5	9.92	32.84	263	68	A	V
	*	5737.7	54.77	-13.53	68.3	45.15	32.54	10.01	32.93	263	68	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					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)
802.11ac		11020	47.37	-26.63	74	47.65	39.6	12.54	52.42	-	-	P	H
VHT40	*	16530	49.32	-18.98	68.3	46.05	40.56	15.18	52.47	-	-	P	H
CH 102		11020	46.93	-27.07	74	47.21	39.6	12.54	52.42	-	-	P	V
5510MHz	*	16530	49.82	-18.48	68.3	46.55	40.56	15.18	52.47	-	-	P	V
802.11ac		11100	46.74	-27.26	74	47.02	39.62	12.6	52.5	-	-	P	H
VHT40	*	16650	50.05	-18.25	68.3	46.39	40.73	15.27	52.34	-	-	P	H
CH 110		11100	46.83	-27.17	74	47.11	39.62	12.6	52.5	-	-	P	V
5550MHz	*	16650	50.5	-17.8	68.3	46.84	40.73	15.27	52.34	-	-	P	V
802.11ac		11340	46.55	-27.45	74	46.85	39.67	12.76	52.73	-	-	P	H
VHT40	*	17010	50.62	-17.68	68.3	45.76	41.32	15.56	52.02	-	-	P	H
CH 134		11340	45.87	-28.13	74	46.17	39.67	12.76	52.73	-	-	P	V
5670MHz	*	17010	50.33	-17.97	68.3	45.47	41.32	15.56	52.02	-	-	P	V

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

U-NII-2C 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5441.44	56.19	-17.81	74	46.9	32.32	9.68	32.71	237	302	P	H
	*	5462.08	57.45	-10.85	68.3	48.23	32.34	9.68	32.8	237	302	P	H
		5459.92	47.46	-6.54	54	38.24	32.34	9.68	32.8	237	302	A	H
	*	5530	97.09	-	-	87.77	32.41	9.72	32.81	237	302	P	H
802.11ac		5530	90.55	-	-	81.23	32.41	9.72	32.81	237	302	A	H
VHT80	*	5753.975	46.98	-21.32	68.3	37.26	32.56	10.09	32.93	237	302	P	H
CH 106		5457.28	58.01	-15.99	74	48.79	32.34	9.68	32.8	241	75	P	V
5530MHz	*	5469.28	58.79	-9.51	68.3	49.53	32.36	9.7	32.8	241	75	P	V
		5459.68	49.92	-4.08	54	40.7	32.34	9.68	32.8	241	75	A	V
	*	5530	99.42	-	-	90.1	32.41	9.72	32.81	241	75	P	V
		5530	92.66	-	-	83.34	32.41	9.72	32.81	241	75	A	V
	*	5739.485	47.31	-20.99	68.3	37.61	32.54	10.09	32.93	241	75	P	V
		5458.96	52.53	-21.47	74	43.31	32.34	9.68	32.8	243	306	P	H
	*	5460.4	55.92	-12.38	68.3	46.7	32.34	9.68	32.8	243	306	P	H
		5459.92	44.03	-9.97	54	34.81	32.34	9.68	32.8	243	306	A	H
	*	5610	100.35	-	-	90.9	32.46	9.76	32.77	243	306	P	H
802.11ac		5610	92.57	-	-	83.12	32.46	9.76	32.77	243	306	A	H
VHT80	*	5729.3	53.58	-14.72	68.3	43.94	32.53	10.01	32.9	243	306	P	H
CH 122		5458.24	54.21	-19.79	74	44.99	32.34	9.68	32.8	248	73	P	V
5610MHz	*	5468.56	57.61	-10.69	68.3	48.35	32.36	9.7	32.8	248	73	P	V
		5459.92	45.63	-8.37	54	36.41	32.34	9.68	32.8	248	73	A	V
	*	5610	101.2	-	-	91.75	32.46	9.76	32.77	248	73	P	V
		5610	95.08	-	-	85.63	32.46	9.76	32.77	248	73	A	V
	*	5740.325	51.95	-16.35	68.3	42.25	32.54	10.09	32.93	248	73	P	V

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

U-NII-2C 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11060	47.95	-26.05	74	48.24	39.61	12.57	52.47	-	-	P	H
VHT80	*	16590	49.96	-18.34	68.3	46.5	40.63	15.24	52.41	-	-	P	H
CH 106		11060	48.18	-25.82	74	48.47	39.61	12.57	52.47	-	-	P	V
5530MHz	*	16590	48.32	-19.98	68.3	44.86	40.63	15.24	52.41	-	-	P	V
802.11ac		11220	48.36	-25.64	74	48.66	39.64	12.68	52.62	-	-	P	H
VHT80	*	16830	49.27	-19.03	68.3	45.06	40.96	15.42	52.17	-	-	P	H
CH 122		11220	47.08	-26.92	74	47.38	39.64	12.68	52.62	-	-	P	V
5610MHz	*	16830	50.7	-17.6	68.3	46.49	40.96	15.42	52.17	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ac VHT160 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT160 CH 114 5570MHz	*	5429.92	59.83	-14.17	74	50.54	32.32	9.68	32.71	226	299	P	H
		5463.76	54.58	-13.72	68.3	45.34	32.36	9.68	32.8	226	299	A	H
	*	5420.8	49.27	-4.73	54	39.93	32.3	9.66	32.62	226	299	P	H
		5570	93.45	-	-	84.04	32.44	9.74	32.77	226	299	A	H
	*	5570	85.64	-	-	76.23	32.44	9.74	32.77	226	299	P	H
		5725.625	59.73	-8.57	68.3	50.09	32.53	10.01	32.9	226	299	A	H
	*	5416.72	59.67	-14.33	74	50.33	32.3	9.66	32.62	246	81	P	V
		5469.28	54.52	-13.78	68.3	45.26	32.36	9.7	32.8	246	81	A	V
	*	5428.24	50.31	-3.69	54	41.04	32.3	9.68	32.71	246	81	P	V

		5570	95.38	-	-	85.97	32.44	9.74	32.77	246	81	A	V
	*	5570	88.08	-	-	78.67	32.44	9.74	32.77	246	81	P	V
		5737.91	59.13	-9.17	68.3	49.51	32.54	10.01	32.93	246	81	A	V
Remark	5. No other spurious found. 6. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ac VHT160 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac	*	11140	47.03	-26.97	74	47.31	39.63	12.62	52.53	-	-	P	H
VHT160		16710	50.34	-17.96	68.3	46.5	40.8	15.33	52.29	-	-	P	H
CH 114	*	11140	47.14	-26.86	74	47.42	39.63	12.62	52.53	-	-	P	V
5570MHz		16710	49.28	-19.02	68.3	45.44	40.8	15.33	52.29	-	-	P	V
Remark	5. No other spurious found. 6. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.6	60.6	-13.4	74	51.38	32.34	9.68	32.8	224	301	P	H
	*	5463.12	63.06	-5.24	68.3	53.82	32.36	9.68	32.8	224	301	P	H
	*	5460	49.82	-4.18	54	40.6	32.34	9.68	32.8	224	301	P	H
802.11ax	*	5500	106.23	-	-	97.02	32.4	9.7	32.89	224	301	P	H
HE20 Full		5500	99.32	-	-	90.11	32.4	9.7	32.89	224	301	A	H
CH 100		5455.92	62.41	-11.59	74	53.19	32.34	9.68	32.8	244	84	P	V
5500MHz	*	5467.12	63.85	-4.45	68.3	54.59	32.36	9.7	32.8	244	84	P	V
		5459.44	49.94	-4.06	54	40.72	32.34	9.68	32.8	244	84	A	V
	*	5500	107.86	-	-	98.65	32.4	9.7	32.89	244	84	P	V
		5500	100.44	-	-	91.23	32.4	9.7	32.89	244	84	A	V
802.11ax		5414.32	48.02	-25.98	74	38.68	32.3	9.66	32.62	245	297	P	H
HE20 Full	*	5468.8	49.31	-18.99	68.3	40.05	32.36	9.7	32.8	245	297	P	H

CH 116		5457.04	38.32	-15.68	54	29.1	32.34	9.68	32.8	245	297	A	H
5580MHz	*	5580	106.91	-	-	97.46	32.44	9.74	32.73	245	297	P	H
		5580	99.79	-	-	90.34	32.44	9.74	32.73	245	297	A	H
	*	5745.47	48.58	-19.72	68.3	38.88	32.54	10.09	32.93	245	297	P	H
		5458.24	48.41	-25.59	74	39.19	32.34	9.68	32.8	230	78	P	V
	*	5466.4	48.35	-19.95	68.3	39.09	32.36	9.7	32.8	230	78	P	V
		5459.92	38.77	-15.23	54	29.55	32.34	9.68	32.8	230	78	A	V
	*	5580	107.83	-	-	98.38	32.44	9.74	32.73	230	78	P	V
		5580	100.68	-	-	91.23	32.44	9.74	32.73	230	78	A	V
	*	5739.17	48.64	-19.66	68.3	38.94	32.54	10.09	32.93	230	78	P	V
	*	5700	105.75	-	-	96.11	32.51	10.01	32.88	237	296	P	H
802.11ax		5700	98.33	-	-	88.69	32.51	10.01	32.88	237	296	A	H
HE20 Full	*	5729.16	60.58	-7.72	68.3	50.94	32.53	10.01	32.9	237	296	P	H
CH 140	*	5700	106.57	-	-	96.93	32.51	10.01	32.88	237	67	P	V
5700MHz		5700	98.89	-	-	89.25	32.51	10.01	32.88	237	67	A	V
	*	5725.88	64.14	-4.16	68.3	54.5	32.53	10.01	32.9	237	67	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C 5470~5725MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBµV/m)	(dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11ax		11000	47.87	-26.13	74	48.16	39.6	12.51	52.4	-	-	P	H
HE20 Full	*	16500	49.16	-19.14	68.3	46	40.51	15.15	52.5	-	-	P	H
CH 100		11000	47.33	-26.67	74	47.62	39.6	12.51	52.4	-	-	P	V
5500MHz	*	16500	50.23	-18.07	68.3	47.07	40.51	15.15	52.5	-	-	P	V
802.11ax		11160	47.22	-26.78	74	47.51	39.63	12.65	52.57	-	-	P	H
HE20 Full	*	16740	50.59	-17.71	68.3	46.65	40.84	15.36	52.26	-	-	P	H
CH 116		11160	47.3	-26.7	74	47.59	39.63	12.65	52.57	-	-	P	V
5580MHz	*	16740	50.69	-17.61	68.3	46.75	40.84	15.36	52.26	-	-	P	V
802.11ax		11400	47.16	-26.84	74	47.46	39.68	12.82	52.8	-	-	P	H
HE20 Full	*	17100	50.63	-17.67	68.3	45.21	41.94	15.62	52.14	-	-	P	H

CH 140		11400	46.46	-27.54	74	46.76	39.68	12.82	52.8	-	-	P	V
5700MHz	*	17100	50.65	-17.65	68.3	45.23	41.94	15.62	52.14	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C 5470~5725MHz

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

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5458.96	53.95	-20.05	74	44.73	32.34	9.68	32.8	241	290	P	H
	*	5467.36	58.94	-9.36	68.3	49.68	32.36	9.7	32.8	241	290	P	H
		5459.92	46.38	-7.62	54	37.16	32.34	9.68	32.8	241	290	A	H
	*	5510	101.99	-	-	92.72	32.4	9.72	32.85	241	290	P	H
802.11ax		5510	95.38	-	-	86.11	32.4	9.72	32.85	241	290	A	H
HE40 Full	*	5745.785	48.07	-20.23	68.3	38.37	32.54	10.09	32.93	241	290	P	H
CH 102		5459.2	57.83	-16.17	74	48.61	32.34	9.68	32.8	276	71	P	V
5510MHz	*	5468.32	64.12	-4.18	68.3	54.86	32.36	9.7	32.8	276	71	P	V
		5459.68	49.48	-4.52	54	40.26	32.34	9.68	32.8	276	71	A	V
	*	5510	103.68	-	-	94.41	32.4	9.72	32.85	276	71	P	V
		5510	96.93	-	-	87.66	32.4	9.72	32.85	276	71	A	V
	*	5750.825	48.56	-19.74	68.3	38.86	32.54	10.09	32.93	276	71	P	V
		5451.52	49.15	-24.85	74	39.93	32.34	9.68	32.8	228	287	P	H
	*	5469.52	52.85	-15.45	68.3	43.59	32.36	9.7	32.8	228	287	P	H
		5459.92	40.76	-13.24	54	31.54	32.34	9.68	32.8	228	287	A	H
	*	5550	103.17	-	-	93.81	32.43	9.74	32.81	228	287	P	H
802.11ax		5550	95.68	-	-	86.32	32.43	9.74	32.81	228	287	A	H
HE40 Full	*	5727.515	47.99	-20.31	68.3	38.35	32.53	10.01	32.9	228	287	P	H
CH 110		5459.44	53.31	-20.69	74	44.09	32.34	9.68	32.8	254	69	P	V
5550MHz	*	5470	54.42	-13.88	68.3	45.16	32.36	9.7	32.8	254	69	P	V
		5459.68	43.05	-10.95	54	33.83	32.34	9.68	32.8	254	69	A	V
	*	5550	105.46	-	-	96.1	32.43	9.74	32.81	254	69	P	V
		5550	99.59	-	-	90.23	32.43	9.74	32.81	254	69	A	V
	*	5748.62	47.71	-20.59	68.3	38.01	32.54	10.09	32.93	254	69	P	V

		5354.55	47.29	-26.71	74	38.23	32.22	9.46	32.62	230	294	P	H
	*	5462.35	46.12	-22.18	68.3	36.9	32.34	9.68	32.8	230	294	P	H
		5446.25	38.28	-15.72	54	28.97	32.34	9.68	32.71	230	294	A	H
	*	5670	103.01	-	-	93.43	32.5	9.92	32.84	230	294	P	H
802.11ax		5670	95.92	-	-	86.34	32.5	9.92	32.84	230	294	A	H
HE40 Full	*	5729.3	53.17	-15.13	68.3	43.53	32.53	10.01	32.9	230	294	P	H
CH 134		5434.35	47.15	-26.85	74	37.86	32.32	9.68	32.71	233	107	P	V
5670MHz	*	5460.25	47.43	-20.87	68.3	38.21	32.34	9.68	32.8	233	107	P	V
		5451.15	38.37	-15.63	54	29.15	32.34	9.68	32.8	233	107	A	V
	*	5670	103.44	-	-	93.86	32.5	9.92	32.84	233	107	P	V
		5670	96.21	-	-	86.63	32.5	9.92	32.84	233	107	A	V
	*	5726.5	52.73	-15.57	68.3	43.09	32.53	10.01	32.9	233	107	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C 5470~5725MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					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)
802.11ax		11020	47.07	-26.93	74	47.35	39.6	12.54	52.42	-	-	P	H
HE40 Full	*	16530	48.87	-19.43	68.3	45.6	40.56	15.18	52.47	-	-	P	H
CH 102		11020	48.02	-25.98	74	48.3	39.6	12.54	52.42	-	-	P	V
5510MHz	*	16530	47.89	-20.41	68.3	44.62	40.56	15.18	52.47	-	-	P	V
802.11ax		11100	47.2	-26.8	74	47.48	39.62	12.6	52.5	-	-	P	H
HE40 Full	*	16650	48.63	-19.67	68.3	44.97	40.73	15.27	52.34	-	-	P	H
CH 110		11100	47.55	-26.45	74	47.83	39.62	12.6	52.5	-	-	P	V
5550MHz	*	16650	50.07	-18.23	68.3	46.41	40.73	15.27	52.34	-	-	P	V
802.11ax		11340	47.15	-26.85	74	47.45	39.67	12.76	52.73	-	-	P	H
HE40 Full	*	17010	50.66	-17.64	68.3	45.8	41.32	15.56	52.02	-	-	P	H
CH 134		11340	47.06	-26.94	74	47.36	39.67	12.76	52.73	-	-	P	V
5670MHz	*	17010	50.93	-17.37	68.3	46.07	41.32	15.56	52.02	-	-	P	V

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

U-NII-2C 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5449.36	55.93	-18.07	74	46.62	32.34	9.68	32.71	255	304	P	H
	*	5460.64	56.52	-11.78	68.3	47.3	32.34	9.68	32.8	255	304	P	H
		5452.48	46.69	-7.31	54	37.47	32.34	9.68	32.8	255	304	A	H
	*	5530	98.45	-	-	89.13	32.41	9.72	32.81	255	304	P	H
802.11ax		5530	90.66	-	-	81.34	32.41	9.72	32.81	255	304	A	H
HE80 Full	*	5741.06	47.88	-20.42	68.3	38.18	32.54	10.09	32.93	255	304	P	H
CH 106		5458.24	58.85	-15.15	74	49.63	32.34	9.68	32.8	239	84	P	V
5530MHz	*	5468.8	60.48	-7.82	68.3	51.22	32.36	9.7	32.8	239	84	P	V
		5458	50.16	-3.84	54	40.94	32.34	9.68	32.8	239	84	A	V
	*	5530	99.8	-	-	90.48	32.41	9.72	32.81	239	84	P	V
		5530	91.48	-	-	82.16	32.41	9.72	32.81	239	84	A	V
	*	5758.07	48.52	-19.78	68.3	38.83	32.56	10.09	32.96	239	84	P	V
		5450.32	48.96	-25.04	74	39.74	32.34	9.68	32.8	229	303	P	H
	*	5466.4	51.13	-17.17	68.3	41.87	32.36	9.7	32.8	229	303	P	H
		5459.68	40.38	-13.62	54	31.16	32.34	9.68	32.8	229	303	A	H
	*	5610	99.25	-	-	89.8	32.46	9.76	32.77	229	303	P	H
802.11ax		5610	89.68	-	-	80.23	32.46	9.76	32.77	229	303	A	H
HE80 Full	*	5735.95	49.29	-19.01	68.3	39.67	32.54	10.01	32.93	229	303	P	H
CH 122		5449.12	51.19	-22.81	74	41.88	32.34	9.68	32.71	242	87	P	V
5610MHz	*	5470	53.63	-14.67	68.3	44.37	32.36	9.7	32.8	242	87	P	V
		5459.92	42.38	-11.62	54	33.16	32.34	9.68	32.8	242	87	A	V
	*	5610	101.24	-	-	91.79	32.46	9.76	32.77	242	87	P	V
		5610	93.12	-	-	83.67	32.46	9.76	32.77	242	87	A	V
	*	5730.525	52.65	-15.65	68.3	43.04	32.53	10.01	32.93	242	87	P	V

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

U-NII-2C 5470~5725MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBμV/m)	(dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11ax		11060	47.51	-26.49	74	47.8	39.61	12.57	52.47	-	-	P	H
HE80 Full	*	16590	50.14	-18.16	68.3	46.68	40.63	15.24	52.41	-	-	P	H
CH 106		11060	47.56	-26.44	74	47.85	39.61	12.57	52.47	-	-	P	V
5530MHz	*	16590	50.45	-17.85	68.3	46.99	40.63	15.24	52.41	-	-	P	V
802.11ax		11220	47.36	-26.64	74	47.66	39.64	12.68	52.62	-	-	P	H
HE80 Full	*	16830	50.13	-18.17	68.3	45.92	40.96	15.42	52.17	-	-	P	H
CH 122		11220	46.8	-27.2	74	47.1	39.64	12.68	52.62	-	-	P	V
5610MHz	*	16830	48.97	-19.33	68.3	44.76	40.96	15.42	52.17	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	(dBμV/m)	(dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11ax HE160 Full CH 114 5570MHz	*	5429.44	58.33	-15.67	74	49.04	32.32	9.68	32.71	236	297	P	H
		5461.12	54.13	-14.17	68.3	44.91	32.34	9.68	32.8	236	297	A	H
	*	5431.12	48.65	-5.35	54	39.36	32.32	9.68	32.71	236	297	P	H
		5570	95.44	-	-	86.03	32.44	9.74	32.77	236	297	A	H
	*	5570	88.27	-	-	78.86	32.44	9.74	32.77	236	297	P	H
		5726.57	58.36	-9.94	68.3	48.72	32.53	10.01	32.9	236	297	A	H
	*	5418.4	58.98	-15.02	74	49.64	32.3	9.66	32.62	245	88	P	V
		5465.2	54.76	-13.54	68.3	45.52	32.36	9.68	32.8	245	88	A	V
	*	5427.76	50.1	-3.9	54	40.83	32.3	9.68	32.71	245	88	P	V
		5570	97.26	-	-	87.85	32.44	9.74	32.77	245	88	A	V
	*	5570	89.54	-	-	80.13	32.44	9.74	32.77	245	88	P	V

		5728.145	57.02	-11.28	68.3	47.38	32.53	10.01	32.9	245	88	A	V
Remark	7. No other spurious found. 8. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax	*	11140	46.65	-27.35	74	46.93	39.63	12.62	52.53	-	-	P	H
HE160 Full		16710	49.76	-18.54	68.3	45.92	40.8	15.33	52.29	-	-	P	H
CH 114	*	11140	46.74	-27.26	74	47.02	39.63	12.62	52.53	-	-	P	V
5570MHz		16710	50.04	-18.26	68.3	46.2	40.8	15.33	52.29	-	-	P	V
Remark	7. No other spurious found. 8. All results are PASS against Peak and Average limit line.												

U-NII-2C 5470~5725MHz

Emission below 1GHz

WIFI 802.11ac VHT160 (LF)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		30	24.49	-15.51	40	30.5	25.86	0.53	32.4	-	-	P	H
		103.72	19.89	-23.61	43.5	34.6	16.45	1.04	32.2	-	-	P	H
		276.38	31.06	-14.94	46	41.74	19.34	1.73	31.75	-	-	P	H
5GHz		575.14	28.95	-17.05	46	31.06	26.17	2.51	30.79	-	-	P	H
802.11ac		796.3	30.4	-15.6	46	29.9	28.86	2.93	31.29	-	-	P	H
VHT80		940.83	32.47	-13.53	46	29.92	30.83	3.22	31.5	-	-	P	H
LF		30	24.47	-15.53	40	30.48	25.86	0.53	32.4	-	-	P	V
		54.25	23.19	-16.81	40	41.4	13.46	0.73	32.4	-	-	P	V
		159.01	20.46	-23.04	43.5	34.64	16.71	1.29	32.18	-	-	P	V
		281.23	24.75	-21.25	46	35.29	19.46	1.74	31.74	-	-	P	V

		616.85	29.39	-16.61	46	31.12	26.42	2.59	30.74	-	-	P	V
		951.5	32.09	-13.91	46	29.23	31.13	3.23	31.5	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<Straddle Channel>

U-NII-2C - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					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		5397.3	47.91	-26.09	74	38.59	32.28	9.66	32.62	233	299	P	H
		5469.9	46.82	-21.48	68.3	37.56	32.36	9.7	32.8	233	299	P	H
		5720	104.61	-	-	94.97	32.53	10.01	32.9	233	299	P	H
	*	5900	48.46	-19.84	68.3	38.53	32.64	10.42	33.13	233	299	P	H
	*	5455.6	38.16	-15.84	54	28.94	32.34	9.68	32.8	233	299	P	H
		5720	98.49	-	-	88.85	32.53	10.01	32.9	233	299	A	H
		5390.7	48.37	-25.63	74	39.07	32.26	9.66	32.62	245	105	P	V
		5465.5	47.06	-21.24	68.3	37.82	32.36	9.68	32.8	245	105	P	V
		5720	105.13	-	-	95.49	32.53	10.01	32.9	245	105	P	V
	*	5900	50.28	-18.02	68.3	40.35	32.64	10.42	33.13	245	105	P	V
	*	5458.9	38.17	-15.83	54	28.95	32.34	9.68	32.8	245	105	P	V
		5720	98.55	-	-	88.91	32.53	10.01	32.9	245	105	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	45.12	-28.88	74	45.41	39.69	12.85	52.83	-	-	P	H
	*	17160	50.57	-17.73	68.3	44.71	42.44	15.65	52.23	-	-	P	H
		11440	44.58	-29.42	74	44.87	39.69	12.85	52.83	-	-	P	V
	*	17160	50.5	-17.8	68.3	44.64	42.44	15.65	52.23	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 144 5720MHz		5350	47.57	-26.43	74	38.51	32.22	9.46	32.62	227	295	P	H
		5466.05	47.1	-21.2	68.3	37.84	32.36	9.7	32.8	227	295	P	H
		5720	105.85	-	-	96.21	32.53	10.01	32.9	227	295	P	H
	*	5864.8	49.51	-18.79	68.3	39.65	32.62	10.33	33.09	227	295	P	H
	*	5457.8	37.99	-16.01	54	28.77	32.34	9.68	32.8	227	295	P	H
		5720	98.89	-	-	89.25	32.53	10.01	32.9	227	295	A	H
		5438	47.96	-26.04	74	38.67	32.32	9.68	32.71	234	62	P	V
		5465.5	46.68	-21.62	68.3	37.44	32.36	9.68	32.8	234	62	P	V
		5720	105.79	-	-	96.15	32.53	10.01	32.9	234	62	P	V
	*	5853.8	49.31	-18.99	68.3	39.5	32.62	10.25	33.06	234	62	P	V
	*	5407.75	38.16	-15.84	54	28.84	32.28	9.66	32.62	234	62	P	V
		5720	98.85	-	-	89.21	32.53	10.01	32.9	234	62	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11440	44.73	-29.27	74	45.02	39.69	12.85	52.83	-	-	P	H
VHT20	*	17160	50.37	-17.93	68.3	44.51	42.44	15.65	52.23	-	-	P	H
CH 144		11440	44.79	-29.21	74	45.08	39.69	12.85	52.83	-	-	P	V
5720MHz	*	17160	50.59	-17.71	68.3	44.73	42.44	15.65	52.23	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5416.55	47.72	-26.28	74	38.38	32.3	9.66	32.62	231	299	P	H
		5465.5	48.22	-20.08	68.3	38.98	32.36	9.68	32.8	231	299	P	H
		5710	102.8	-	-	93.17	32.52	10.01	32.9	231	299	P	H
	*	5850.5	49.04	-19.26	68.3	39.24	32.61	10.25	33.06	231	299	P	H
802.11ac	*	5423.15	38.13	-15.87	54	28.79	32.3	9.66	32.62	231	299	P	H
VHT40		5710	96.05	-	-	86.42	32.52	10.01	32.9	231	299	A	H
CH 142		5380.8	47.99	-26.01	74	38.89	32.26	9.46	32.62	245	76	P	V
5710MHz		5469.35	48.62	-19.68	68.3	39.36	32.36	9.7	32.8	245	76	P	V
		5710	103.31	-	-	93.68	32.52	10.01	32.9	245	76	P	V
	*	5876.35	49.9	-18.4	68.3	40.03	32.63	10.33	33.09	245	76	P	V
	*	5441.3	38.27	-15.73	54	28.98	32.32	9.68	32.71	245	76	P	V
		5710	96.54	-	-	86.91	32.52	10.01	32.9	245	76	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11420	46.27	-27.73	74	46.59	39.68	12.82	52.82	-	-	P	H
VHT40	*	17130	50.13	-18.17	68.3	44.48	42.19	15.65	52.19	-	-	P	H
CH 142		11420	45.82	-28.18	74	46.14	39.68	12.82	52.82	-	-	P	V
5710MHz	*	17130	50.79	-17.51	68.3	45.14	42.19	15.65	52.19	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5452.85	47.95	-26.05	74	38.73	32.34	9.68	32.8	233	300	P	H
		5462.2	47.8	-20.5	68.3	38.58	32.34	9.68	32.8	233	300	P	H
		5690	98.28	-	-	88.73	32.51	9.92	32.88	233	300	P	H
	*	5852.15	50.05	-18.25	68.3	40.25	32.61	10.25	33.06	233	300	P	H
802.11ac	*	5458.35	38.92	-15.08	54	29.7	32.34	9.68	32.8	233	300	P	H
VHT80		5690	91.31	-	-	81.76	32.51	9.92	32.88	233	300	A	H
CH 138		5447.35	49.12	-24.88	74	39.81	32.34	9.68	32.71	263	62	P	V
5690MHz		5463.3	49.26	-19.04	68.3	40.02	32.36	9.68	32.8	263	62	P	V
		5690	99.54	-	-	89.99	32.51	9.92	32.88	263	62	P	V
	*	5850	49.93	-18.37	68.3	40.13	32.61	10.25	33.06	263	62	P	V
	*	5458.9	39.7	-14.3	54	30.48	32.34	9.68	32.8	263	62	P	V
		5690	92.52	-	-	82.97	32.51	9.92	32.88	263	62	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11380	46.94	-27.06	74	47.25	39.68	12.79	52.78	-	-	P	H
VHT80	*	17070	50.2	-18.1	68.3	45.01	41.69	15.59	52.09	-	-	P	H
CH 138		11380	45.15	-28.85	74	45.46	39.68	12.79	52.78	-	-	P	V
5690MHz	*	17070	50.19	-18.11	68.3	45	41.69	15.59	52.09	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5445.7	47.87	-26.13	74	38.56	32.34	9.68	32.71	231	299	P	H
		5465.5	47.3	-21	68.3	38.06	32.36	9.68	32.8	231	299	P	H
		5720	107.03	-	-	97.39	32.53	10.01	32.9	231	299	P	H
		5870.85	49.06	-19.24	68.3	39.19	32.63	10.33	33.09	231	299	P	H
802.11ax		5450.1	37.49	-16.51	54	28.27	32.34	9.68	32.8	231	299	P	H
HE20 Full		5720	98.28	-	-	88.64	32.53	10.01	32.9	231	299	A	H
CH 144		5429.75	47.51	-26.49	74	38.22	32.32	9.68	32.71	235	63	P	V
5720MHz		5467.15	48.36	-19.94	68.3	39.1	32.36	9.7	32.8	235	63	P	V
		5720	107.5	-	-	97.86	32.53	10.01	32.9	235	63	P	V
		5853.25	49.73	-18.57	68.3	39.93	32.61	10.25	33.06	235	63	P	V
		5452.85	37.69	-16.31	54	28.47	32.34	9.68	32.8	235	63	P	V
		5720	98.86	-	-	89.22	32.53	10.01	32.9	235	63	A	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11440	45.38	-28.62	74	45.67	39.69	12.85	52.83	-	-	P	H
HE20 Full		17160	50.88	-17.42	68.3	45.02	42.44	15.65	52.23	-	-	P	H
CH 144		11440	45	-29	74	45.29	39.69	12.85	52.83	-	-	P	V
5720MHz		17160	50.5	-17.8	68.3	44.64	42.44	15.65	52.23	-	-	P	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5423.15	47.84	-26.16	74	38.5	32.3	9.66	32.62	231	294	P	H
		5464.95	46.14	-22.16	68.3	36.9	32.36	9.68	32.8	231	294	P	H
		5710	101.45	-	-	91.82	32.52	10.01	32.9	231	294	P	H
		5871.95	49.65	-18.65	68.3	39.78	32.63	10.33	33.09	231	294	P	H
802.11ax		5456.15	38.12	-15.88	54	28.9	32.34	9.68	32.8	231	294	P	H
HE40 Full		5710.8	94.25	-	-	84.62	32.52	10.01	32.9	231	294	A	H
CH 142		5402.8	47.91	-26.09	74	38.59	32.28	9.66	32.62	244	79	P	V
5710MHz		5462.2	47.17	-21.13	68.3	37.95	32.34	9.68	32.8	244	79	P	V
		5710	101.32	-	-	91.69	32.52	10.01	32.9	244	79	P	V
		5898.35	49.18	-19.12	68.3	39.25	32.64	10.42	33.13	244	79	P	V
		5426.45	38.1	-15.9	54	28.85	32.3	9.66	32.71	244	79	P	V
		5710	93.82	-	-	84.19	32.52	10.01	32.9	244	79	A	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11420	44.95	-29.05	74	45.27	39.68	12.82	52.82	-	-	P	H
HE40 Full		17130	50.3	-18	68.3	44.65	42.19	15.65	52.19	-	-	P	H
CH 142		11420	45.62	-28.38	74	45.94	39.68	12.82	52.82	-	-	P	V
5710MHz		17130	50.36	-17.94	68.3	44.71	42.19	15.65	52.19	-	-	P	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

U-NII-2C Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5451.2	47.66	-26.34	74	38.44	32.34	9.68	32.8	230	300	P	H
		5468.25	47.27	-21.03	68.3	38.01	32.36	9.7	32.8	230	300	P	H
		5690	100.9	-	-	91.35	32.51	9.92	32.88	230	300	P	H
		5867.55	49.76	-18.54	68.3	39.9	32.62	10.33	33.09	230	300	P	H
802.11ax		5418.75	38.45	-15.55	54	29.11	32.3	9.66	32.62	230	300	P	H
HE80 Full		5690	90.83	-	-	81.28	32.51	9.92	32.88	230	300	A	H
CH 138		5392.9	49.16	-24.84	74	39.86	32.26	9.66	32.62	250	77	P	V
5690MHz		5469.9	47.28	-21.02	68.3	38.02	32.36	9.7	32.8	250	77	P	V
		5690	98.82	-	-	89.27	32.51	9.92	32.88	250	77	P	V
		5856	49.72	-18.58	68.3	39.83	32.62	10.33	33.06	250	77	P	V
		5422.6	38.55	-15.45	54	29.21	32.3	9.66	32.62	250	77	P	V
		5690	92.19	-	-	82.64	32.51	9.92	32.88	250	77	A	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11380	46.2	-27.8	74	46.51	39.68	12.79	52.78	-	-	P	H
HE80 Full		17070	50.01	-18.29	68.3	44.82	41.69	15.59	52.09	-	-	P	H
CH 138		11380	45.77	-28.23	74	46.08	39.68	12.79	52.78	-	-	P	V
5690MHz		17070	50.69	-17.61	68.3	45.5	41.69	15.59	52.09	-	-	P	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

<Simultaneous transmission>

U-NII-1 5150~5250MHz

WIFI 802.11acVHT 160 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin 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 CH 50 5250MHz & LTE Band42	*	5120.12	53.96	-20.04	74	46.07	31.94	8.51	32.56	400	151	P	H
	*	5130	45.66	-8.34	54	37.75	31.96	8.51	32.56	400	151	A	H
		5250	92.62	-	-	84.32	32.1	8.85	32.65	400	151	P	H
		5250	85.43	-	-	77.13	32.1	8.85	32.65	400	151	A	H
		5381.76	54.7	-19.3	74	45.6	32.26	9.46	32.62	400	151	P	H
		5401.2	46.88	-7.12	54	37.56	32.28	9.66	32.62	400	151	A	H
		5092.3	59.39	-14.61	74	51.57	31.92	8.43	32.53	243	105	P	V
		5108.94	50.61	-3.39	54	42.77	31.94	8.43	32.53	243	105	A	V
		5250	96.32	-	-	88.02	32.1	8.85	32.65	243	105	P	V
		5250	89.43	-	-	81.13	32.1	8.85	32.65	243	105	A	V
		5399.04	60.46	-13.54	74	51.14	32.28	9.66	32.62	243	105	P	V
		5399.28	50.84	-3.16	54	41.52	32.28	9.66	32.62	243	105	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

WIFI 802.11acVHT 160 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin 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)
	*	5111.02	56.81	-17.19	74	48.97	31.94	8.43	32.53	347	25	P	H
	*	5121.16	47.44	-6.56	54	39.55	31.94	8.51	32.56	347	25	A	H
802.11ac		5250	93.2	-	-	84.9	32.1	8.85	32.65	347	25	P	H
VHT160 CH		5250	86.62	-	-	78.32	32.1	8.85	32.65	347	25	A	H
50		5382	56.46	-17.54	74	47.36	32.26	9.46	32.62	347	25	P	H
5250MHz		5400.96	48.41	-5.59	54	39.09	32.28	9.66	32.62	347	25	A	H
&BLE-2M-C		5108.94	59.11	-14.89	74	51.27	31.94	8.43	32.53	240	85	P	V
H00		5118.56	50.37	-3.63	54	42.48	31.94	8.51	32.56	240	85	A	V
2402MHz&		5250	95.42	-	-	87.12	32.1	8.85	32.65	240	85	P	V
LTE		5250	88.43	-	-	80.13	32.1	8.85	32.65	240	85	A	V
Band42		5399.04	61.79	-12.21	74	52.47	32.28	9.66	32.62	240	85	P	V
		5398.8	50.37	-3.63	54	41.05	32.28	9.66	32.62	240	85	A	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

WIFI 802.11acVHT 160 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin 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	*	5112.58	56.64	-17.36	74	48.8	31.94	8.43	32.53	362	30	P	H
VHT160 CH	*	5121.16	48.7	-5.3	54	40.81	31.94	8.51	32.56	362	30	A	H
50		5250	94.64	-	-	86.34	32.1	8.85	32.65	362	30	P	H
5250MHz		5250	86.93	-	-	78.63	32.1	8.85	32.65	362	30	A	H
&11ax40_C		5401.92	57.05	-16.95	74	47.73	32.28	9.66	32.62	362	30	P	H
H09		5401.2	49.46	-4.54	54	40.14	32.28	9.66	32.62	362	30	A	H
2452MHz&	*	5122.2	57.76	-16.24	74	49.87	31.94	8.51	32.56	306	106	P	V
LTE		5119.86	49.88	-4.12	54	41.99	31.94	8.51	32.56	306	106	A	V

Band42		5250	95.4	-	-	87.1	32.1	8.85	32.65	306	106	P	V
		5250	88.42	-	-	80.12	32.1	8.85	32.65	306	106	A	V
		5377.68	60.21	-13.79	74	51.11	32.26	9.46	32.62	306	106	P	V
		5398.56	50.47	-3.53	54	41.15	32.28	9.66	32.62	306	106	A	V
Remark	5. No other spurious found. 6. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

WIFI 802.11ax HE80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin 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 CH 42 5250MHz &BLE-2M-CH00 2402MHz& LTE Band42		4844	47.64	-26.36	74	34.31	33.8	12.03	32.5	-	-	P	H
		7266	47.96	-26.04	74	49.88	35.76	14.14	51.82	-	-	P	H
		7302	48.53	-25.47	74	50.4	35.76	14.16	51.79	-	-	P	H
		10420	50.25	-18.05	68.3	48.57	37.43	15.32	51.07	-	-	P	H
		11043	57.08	-16.92	74	54.11	37.84	16.49	51.36	-	-	P	H
		14724	46.53	-21.77	68.3	42.2	39.31	17.36	52.34	-	-	P	H
		15630	47.66	-26.34	74	42.52	40.17	17.82	52.85	-	-	P	H
		4844	47.8	-26.2	74	34.47	33.8	12.03	32.5	-	-	P	V
		7266	47.5	-26.5	74	49.42	35.76	14.14	51.82	-	-	P	V
		7302	47.9	-26.1	74	49.77	35.76	14.16	51.79	-	-	P	V
		10420	50.38	-17.92	68.3	48.7	37.43	15.32	51.07	-	-	P	V
		11043	57.7	-16.3	74	54.73	37.84	16.49	51.36	-	-	P	V
		14724	45.8	-22.5	68.3	41.47	39.31	17.36	52.34	-	-	P	V
		15630	47.2	-26.8	74	42.06	40.17	17.82	52.85	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

2.4GHz 2400~2483.5MH

WIFI 802. 11ax40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin 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 CH 50 5250MHz &11ax40_CH09 2452MHz & LTE Band42	*	2361.66	50.12	-23.88	74	51.67	26.99	5.34	33.88	257	306	P	H
	*	2389.94	39.33	-14.67	54	40.77	27.02	5.37	33.83	257	306	A	H
		2452	102.54	-	-	103.83	27.06	5.41	33.76	257	306	P	H
		2452	93.52	-	-	94.81	27.06	5.41	33.76	257	306	A	H
		2484.11	65.81	-8.19	74	66.98	27.09	5.46	33.72	257	306	P	H
		2483.9	50.21	-3.79	54	51.38	27.09	5.46	33.72	257	306	A	H
	*	2366	50.21	-23.79	74	51.74	26.99	5.34	33.86	114	275	P	V
		2389.94	39.17	-14.83	54	40.61	27.02	5.37	33.83	114	275	A	V
		2452	103.55	-	-	104.84	27.06	5.41	33.76	114	275	P	V
		2452	92.85	-	-	94.14	27.06	5.41	33.76	114	275	A	V
		2483.5	62.21	-11.79	74	63.38	27.09	5.46	33.72	114	275	P	V
		2483.69	50.51	-3.49	54	51.68	27.09	5.46	33.72	114	275	A	V
Remark	7. No other spurious found. 8. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MH

WIFI 802.BLE-2M-CH00 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin 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 CH 50 5250MHz &BLE-2M-CH00 2402MHz& LTE Band42	*	2360.19	50.29	-23.71	74	51.84	26.99	5.34	33.88	100	319	P	H
	*	2367.96	42.51	-11.49	54	44.04	26.99	5.34	33.86	100	319	A	H
		2402	94.44	-	-	95.88	27.02	5.37	33.83	100	319	P	H
		2402	94.36	-	-	95.8	27.02	5.37	33.83	100	319	A	H
	*	2378.775	49.61	-24.39	74	51.13	27	5.34	33.86	273	263	P	V
		2336.88	42.11	-11.89	54	43.72	26.98	5.31	33.9	273	263	A	V
		2402	95.23	-	-	96.67	27.02	5.37	33.83	273	263	P	V
		2402	95.16	-	-	96.6	27.02	5.37	33.83	273	263	A	V
Remark	9. No other spurious found. 10. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ac VHT160 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin 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 CH 50 5250MHz & LTE Band42	*	6982	43.99	-24.31	68.3	49.42	35.84	10.23	51.5	-	-	P	H
	*	10473	48.75	-19.55	68.3	48.76	39.18	12.15	51.34	-	-	P	H
		10500	47.58	-20.72	68.3	47.5	39.21	12.17	51.3	-	-	P	H
		13964	46.95	-21.35	68.3	45.22	41.24	13.86	53.37	-	-	P	H
		15750	49.08	-24.92	74	46.58	40.02	14.67	52.19	-	-	P	H
	*	6982	44.08	-24.22	68.3	49.51	35.84	10.23	51.5	-	-	P	V
		10473	48.97	-19.33	68.3	48.98	39.18	12.15	51.34	-	-	P	V
		10500	47.45	-20.85	68.3	47.37	39.21	12.17	51.3	-	-	P	V
		13964	48.34	-19.96	68.3	46.61	41.24	13.86	53.37	-	-	P	V
		15750	49.46	-24.54	74	46.96	40.02	14.67	52.19	-	-	P	V
Remark	11. No other spurious found. 12. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ac VHT160 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin 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 CH 50 5250MHz &BLE-2M-CH00 2402MHz& LTE Band42	*	6982	44.16	-24.14	68.3	32.43	35.84	10.23	34.34	-	-	P	H
	*	10473	46.96	-21.34	68.3	46.97	39.18	12.15	51.34	-	-	P	H
		10500	48.19	-20.11	68.3	48.11	39.21	12.17	51.3	-	-	P	H
		13964	47.45	-20.85	68.3	45.72	41.24	13.86	53.37	-	-	P	H
		15750	49.52	-24.48	74	47.02	40.02	14.67	52.19	-	-	P	H
	*	6982	43.28	-25.02	68.3	31.55	35.84	10.23	34.34	-	-	P	V
		10473	48.35	-19.95	68.3	48.36	39.18	12.15	51.34	-	-	P	V
		10500	47.75	-20.55	68.3	47.67	39.21	12.17	51.3	-	-	P	V
		13964	46.35	-21.95	68.3	44.62	41.24	13.86	53.37	-	-	P	V
		15750	49.47	-24.53	74	46.97	40.02	14.67	52.19	-	-	P	V
Remark	13. No other spurious found. 14. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ac VHT160 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin 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 CH 50 5250MHz &11ax40_CH09 2452MHz& LTE Band42	*	6982	44.83	-23.47	68.3	50.26	35.84	10.23	51.5	-	-	P	H
	*	10473	48.76	-19.54	68.3	48.77	39.18	12.15	51.34	-	-	P	H
		11510	46.76	-27.24	74	47.08	39.7	12.88	52.9	-	-	P	H
		13964	50.4	-17.9	68.3	48.67	41.24	13.86	53.37	-	-	P	H
		17265	50.99	-17.31	68.3	44.44	43.18	15.74	52.37	-	-	P	H
	*	6982	45.08	-23.22	68.3	50.51	35.84	10.23	51.5	-	-	P	V
		10473	48.13	-20.17	68.3	48.14	39.18	12.15	51.34	-	-	P	V
		11510	47.93	-26.07	74	48.25	39.7	12.88	52.9	-	-	P	V
		13964	49.39	-18.91	68.3	47.66	41.24	13.86	53.37	-	-	P	V
		17265	50.37	-17.93	68.3	43.82	43.18	15.74	52.37	-	-		
Remark	15. No other spurious found. 16. All results are PASS against Peak and Average limit line.												

Note symbol

*	**Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is **Margin** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		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. Margin (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. Margin (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. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

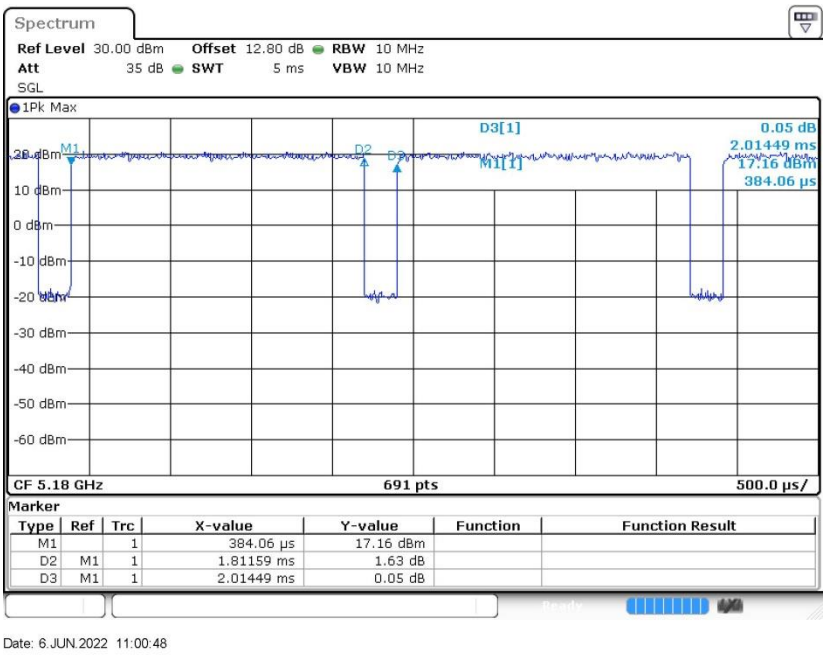
= -10.46(dB)

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

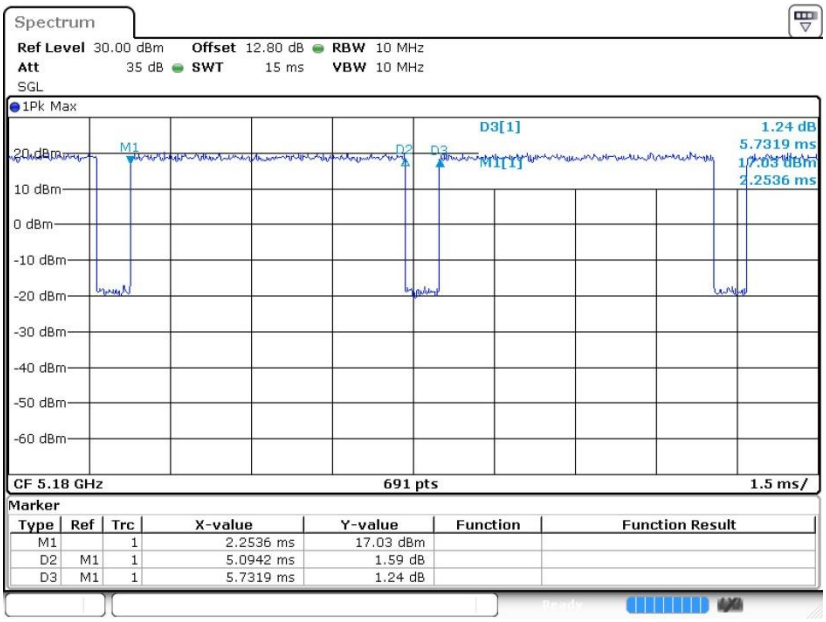
Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	89.93	1.812	0.552	1KHz
802.11n HT20	88.87	5.094	0.196	300Hz
802.11n HT40	88.56	2.625	0.381	1KHz
802.11ac VHT20	88.87	5.094	0.196	300Hz
802.11ac VHT40	88.56	2.625	0.381	1KHz
802.11ac VHT80	86.31	2.138	0.468	1KHz
802.11ac VHT160	86.31	2.138	0.468	1KHz
802.11ax HE20	89.35	3.891	0.257	300Hz
802.11ax HE40	86.69	2.209	0.453	1KHz
802.11ax HE80	86.07	2.158	0.463	1KHz
802.11ax HE160	86.42	2.158	0.463	1KHz

802.11a



802.11n HT20



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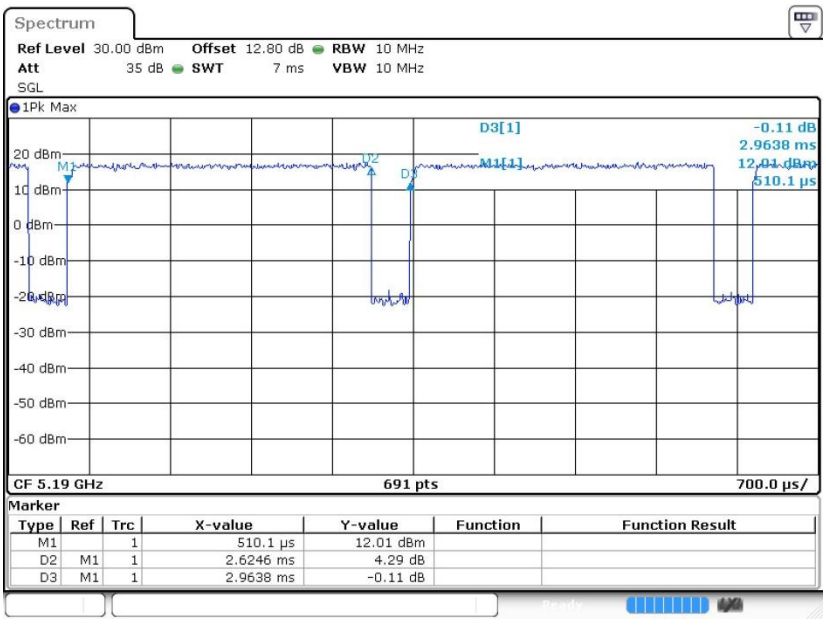
802.11n HT40



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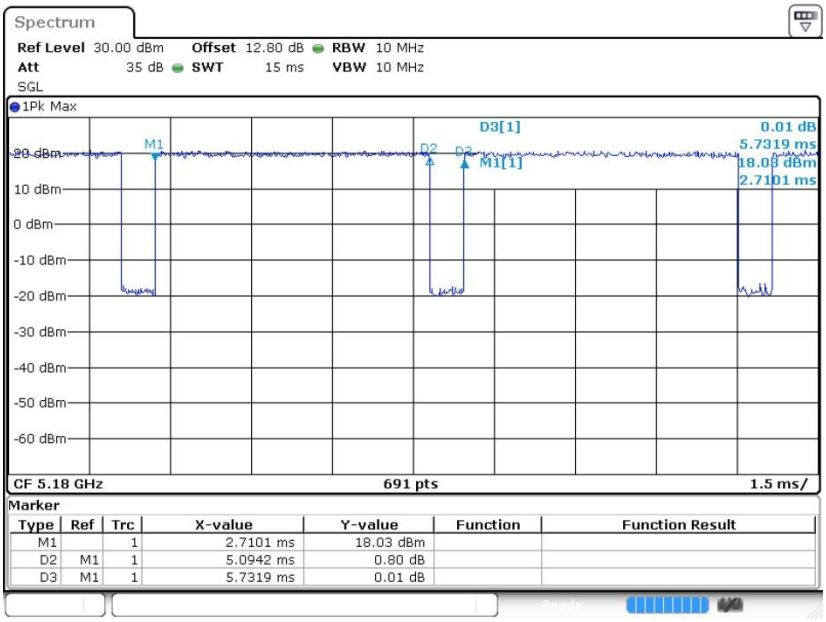
802.11ac VHT20



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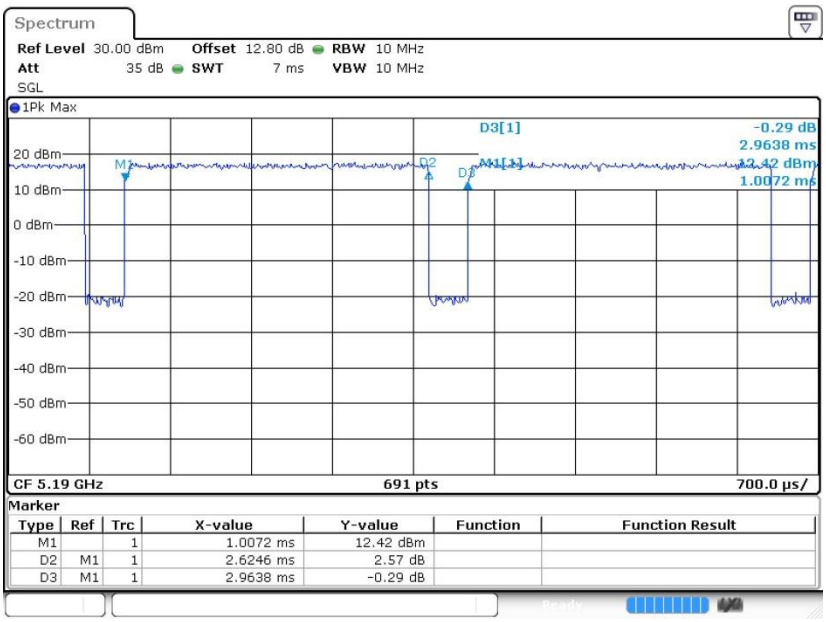

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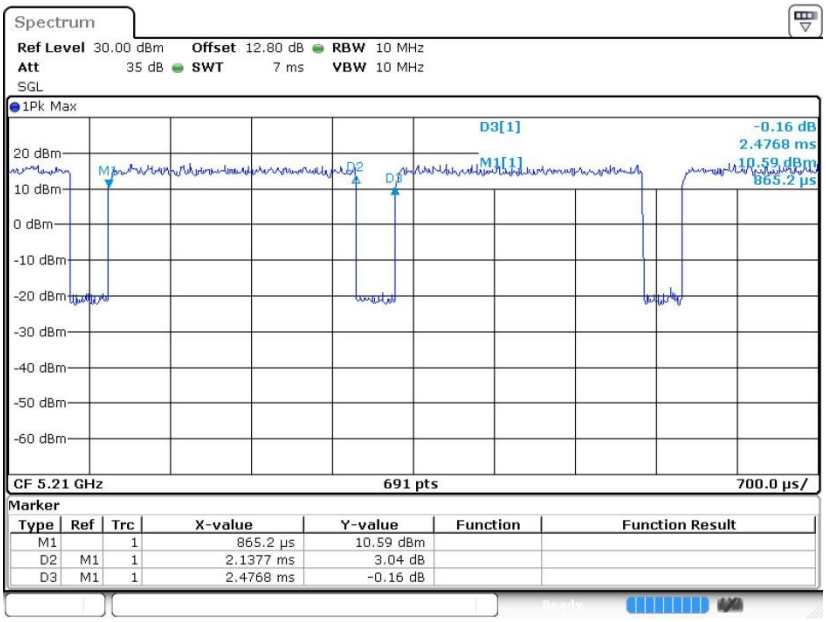

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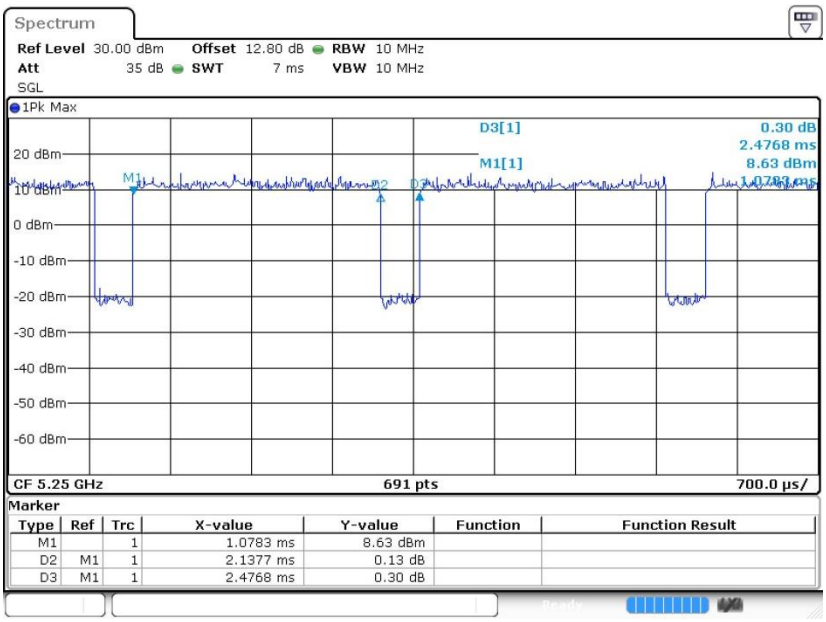
802.11ac VHT160



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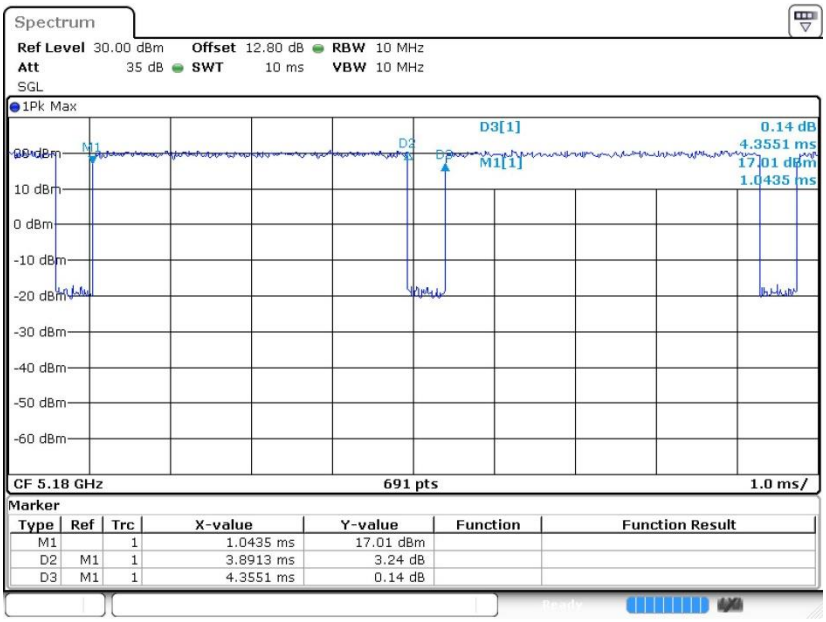
802.11ax HE20



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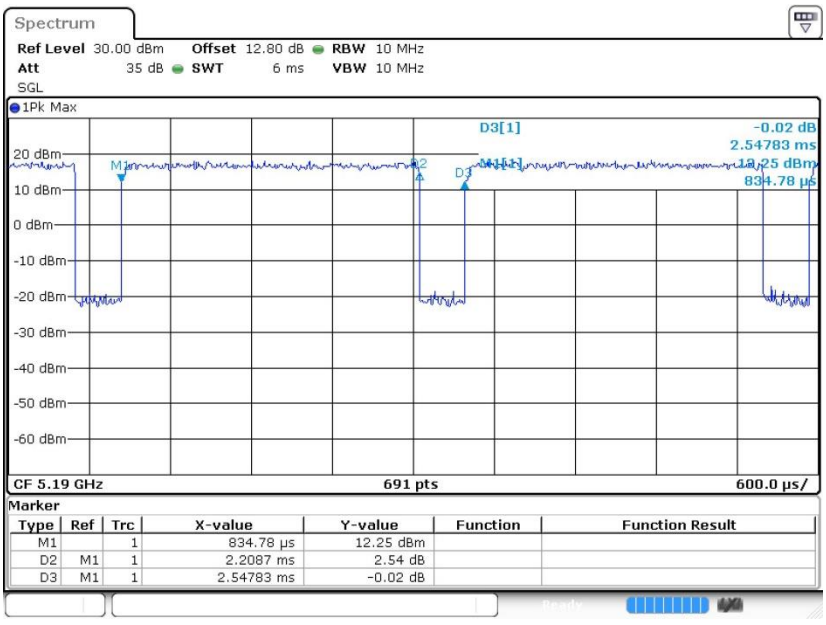

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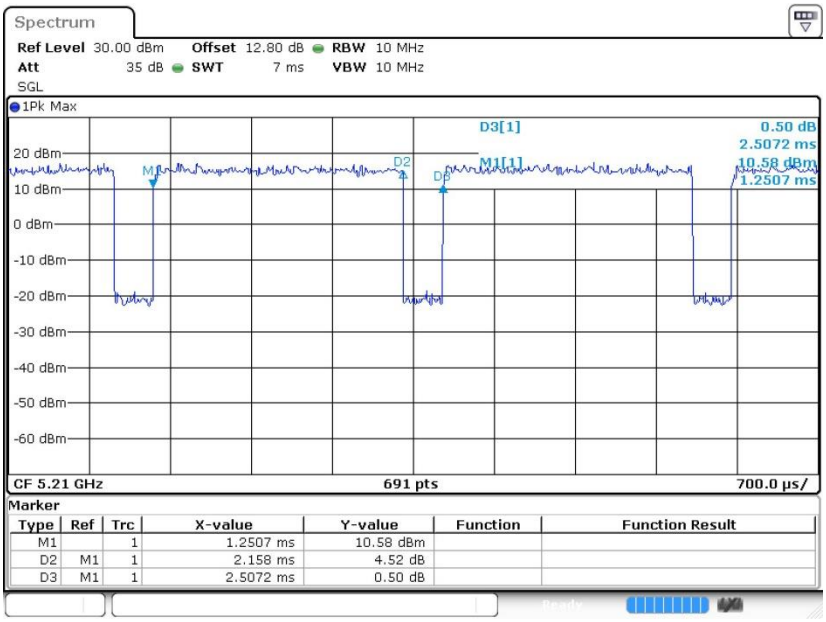

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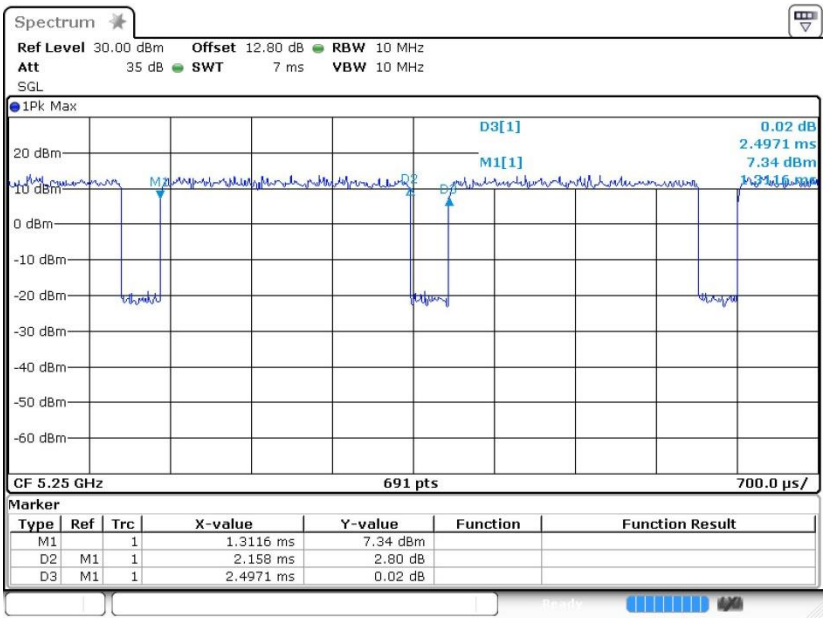
802.11ax HE160



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