FCC RF Test Report

APPLICANT	:	Motorola Mobility LLC
EQUIPMENT	:	Mobile Cellular Phone
BRAND NAME	:	Motorola
MODEL NAME	:	XT2143-1
FCC ID	:	IHDT56ZP3
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure
TEST DATE(S)	:	Jun. 03, 2021 ~ Jun. 11, 2021

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

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager

ACCREDITED Cert #5145.01

Sporton International (ShenZhen) Inc.
1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055
People's Republic of China

TABLE OF CONTENTS

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR151701E	Rev. 01	Initial issue of report	Jun. 29, 2021

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	2.1049 & 15.403(i)	26dB & 99% Bandwidth	-	N/A	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 3.04 dB at 5470.000 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 13.45 dB at 0.190 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.7	15.203 & 15.407(a)	Antenna Requirement	N/A	N/A	-

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	XT2143-1
FCC ID	IHDT56ZP3
EUT supports Radios application	GSM/WCDMA/LTE/5G NR WLAN 2.4GHz 802.11b/g/n HT20 WLAN 2.4GHz 802.11ac/ax VHT20/HE20 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80/VHT160 WLAN 5GHz 802.11ax HE20/HE40/HE80/HE160 WLAN 6GHz 802.11a/n HT20/HT40 WLAN 6GHz 802.11ac VHT20/VHT40/VHT80/VHT160 WLAN 6GHz 802.11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE NFC and GNSS
IMEI Code	Conducted: 353121920026637/353121920026645 Conduction: 353121920024616/353121920024624 Radiation: 353121920043038/353121920043046
HW Version	DVT2
SW Version	RRG31.35
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 ~ 5700 MHz
Maximum Output Power to Antenna	**<MIMO Ant. 1+2>** **<5180 MHz ~ 5240 MHz>** 802.11a : 21.09 dBm / 0.1285 W 802.11n HT20 : 20.89 dBm / 0.1227 W 802.11n HT40 : 20.35 dBm / 0.1084 W 802.11ac VHT20 : 20.81 dBm / 0.1205 W 802.11ac VHT40 : 20.33 dBm / 0.1079 W 802.11ac VHT80 : 18.11 dBm / 0.0647 W 802.11ac VHT160 : 17.40 dBm / 0.0550 W 802.11ax HE20 : 21.16 dBm / 0.1306 W 802.11ax HE40 : 20.11 dBm / 0.1026 W 802.11ax HE80 : 18.51 dBm / 0.0710 W 802.11ax HE160 : 17.53 dBm / 0.0566 W **<5260 MHz ~ 5320 MHz>** 802.11a : 20.87 dBm / 0.1222 W 802.11n HT20 : 20.48 dBm / 0.1117 W 802.11n HT40 : 20.15 dBm / 0.1035 W 802.11ac VHT20 : 20.43 dBm / 0.1104 W 802.11ac VHT40 : 20.09 dBm / 0.1021 W 802.11ac VHT80 : 19.35 dBm / 0.0861 W 802.11ax HE20 : 20.71 dBm / 0.1178 W 802.11ax HE40 : 19.85 dBm / 0.0966 W 802.11ax HE80 : 19.39 dBm / 0.0869 W **<5500 MHz ~ 5700 MHz >** 802.11a : 20.33 dBm / 0.1079 W 802.11n HT20 : 19.91 dBm / 0.0979 W 802.11n HT40 : 19.68 dBm / 0.0929 W 802.11ac VHT20 : 19.89 dBm / 0.0975 W 802.11ac VHT40 : 19.62 dBm / 0.0916 W 802.11ac VHT80 : 17.62 dBm / 0.0578 W 802.11ax HE20 : 20.22 dBm / 0.1052 W 802.11ax HE40 : 19.44 dBm / 0.0879 W 802.11ax HE80 : 17.22 dBm / 0.0527 W
99% Occupied Bandwidth	**<MIMO Ant. 1+2>** **<5180 MHz ~ 5240 MHz>** 802.11a : 16.33 MHz 802.11n HT20 : 17.53 MHz 802.11n HT40 : 36.16 MHz 802.11ac VHT80 : 75.52 MHz 802.11ac VHT160 : 153.69 MHz 802.11ax HE20 : 18.93 MHz 802.11ax HE40 : 37.86 MHz 802.11ax HE80 : 77.32 MHz 802.11ax HE160 : 154.89 MHz **<5260 MHz ~ 5320 MHz >** 802.11a : 16.33 MHz 802.11n HT20 : 17.53 MHz 802.11n HT40 : 36.16 MHz

<table>
<tr><td></td><td>802.11ac VHT80 : 75.52 MHz
802.11ax HE20 : 18.93 MHz
802.11ax HE40 : 37.86 MHz
802.11ax HE80 : 77.44 MHz
<5500 MHz ~ 5700 MHz >
802.11a : 16.33 MHz
802.11n HT20 : 17.63 MHz
802.11n HT40 : 36.36 MHz
802.11ac VHT80 : 75.88 MHz
802.11ax HE20 : 18.93 MHz
802.11ax HE40 : 37.96 MHz
802.11ax HE80 : 77.44 MHz</td></tr>
<tr><td>Antenna Type / Gain</td><td><5180 MHz ~ 5240 MHz >
<Ant. 1> : PIFA antenna with gain -3.0 dBi
<Ant. 2> : PIFA Antenna with gain -2.9 dBi
<5260 MHz ~ 5320 MHz >
<Ant. 1> : PIFA antenna with gain -3.2 dBi
<Ant. 2> : PIFA Antenna with gain -3.2 dBi
<5500 MHz ~ 5700 MHz >
<Ant. 1> : PIFA antenna with gain -3.5 dBi
<Ant. 2> : PIFA Antenna with gain -3.2 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. WLAN operation in 5600 MHz ~ 5650 MHz is notched.
2. Note: For 802.11n HT20 / ac VHT20 and 802.11n HT40 / ac VHT40 mode, the whole testing have assessed only 802.11n HT20/HT40 by referring to their maximum conducted power.
3. The EUT supports for MIMO mode only.

1.5 Modification of EUT

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

1.6 Testing Location

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

Test Firm	Sporton International (Shenzhen) Inc.		
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 (Shenzhen) Inc.		
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.**
	03CH02-SZ	CN1256	421272

1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a
2.	CO01-SZ	AUDIX	E3	6.120613b

1.8 Applicable Standards

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

- 47 CFR Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

1.9 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	**Brand Name**	Motorola(Salom)	**Model Name**	MC-301
AC Adapter 1(EU)	**Brand Name**	Motorola(Salom)	**Model Name**	MC-302
AC Adapter 1(UK)	**Brand Name**	Motorola(Salom)	**Model Name**	MC-303
AC Adapter 1(Brazil)	**Brand Name**	Motorola(Salom)	**Model Name**	MC-307
AC Adapter 1(AU)	**Brand Name**	Motorola(Salom)	**Model Name**	MC-305
AC Adapter 2(US)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-301
AC Adapter 2(EU)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-302
AC Adapter 2(UK)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-303
AC Adapter 2(AU)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-305
AC Adapter 2(IN)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-304
AC Adapter 3(Brazil)	**Brand Name**	Motorola(Flex)	**Model Name**	MC-307
Battery	**Brand Name**	Motorola(ATL)	**Model Name**	MB40
Earphone 1	**Brand Name**	Motorola(Lyand)	**Model Name**	MH191(SH38C81577)
Earphone 2	**Brand Name**	Motorola(LCHSE)	**Model Name**	MH191(SH38C81576)
Earphone 3 (Brazil only)	**Brand Name**	Motorola(Lyand)	**Model Name**	MH181(SH38C37773)
Earphone 4 (Brazil only)	**Brand Name**	Motorola(Cosonic)	**Model Name**	MH181(SH38C44959)
USB Cable 1	**Brand Name**	Motorola(Luxshare)	**Model Name**	SC18D13217
USB Cable 2	**Brand Name**	Motorola(Saibao)	**Model Name**	SC18D13215
USB Cable 3	**Brand Name**	Motorola(Cabletech)	**Model Name**	SC18D13216
Type C to audio cable	**Brand Name**	Motorola(Luxshare)	**Model Name**	SC18C27844

2 Test Configuration of Equipment Under Test

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

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5180-5250 MHz U-NII-1	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210	50$	5250

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5260-5320 MHz U-NII-2A	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5500-5700 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

Note:

1. The above Frequency and Channel in "*" were 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel in "#" were 802.11ac VHT80 and 802.11ax HE80.
3. The above Frequency and Channel in "$" were 802.11ac VHT160 and 802.11ax HE160.

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 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 1(Charging from Adapter 3) + Battery
Remark: For Radiated Test Cases, The tests were performed with Adapter 1, Battery and USB Cable 1.	

Ch. #		U-NII-1：5180-5250 MHz	U-NII-2A：5260-5320 MHz	U-NII-2C：5500-5700MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

Ch. #		U-NII-1：5180-5250 MHz	U-NII-2A：5260-5320 MHz	U-NII-2C：5500-5700MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

Ch. #		U-NII-1：5180-5250 MHz	U-NII-2A：5260-5320 MHz	U-NII-2C：5500-5700MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134

Ch. #		U-NII-1：5180-5250 MHz	U-NII-2A：5260-5320 MHz	U-NII-2C：5500-5700MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	-

Ch. #		U-NII-1：5150-5250 MHz
		802.11ac VHT160
L	Low	-
M	Middle	50
H	High	-

Ch. #		U-NII-1：5180-5250 MHz	U-NII-2A：5260-5320 MHz	U-NII-2C：5500-5700MHz
		802.11ax HE20	802.11ax HE20	802.11ax HE20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

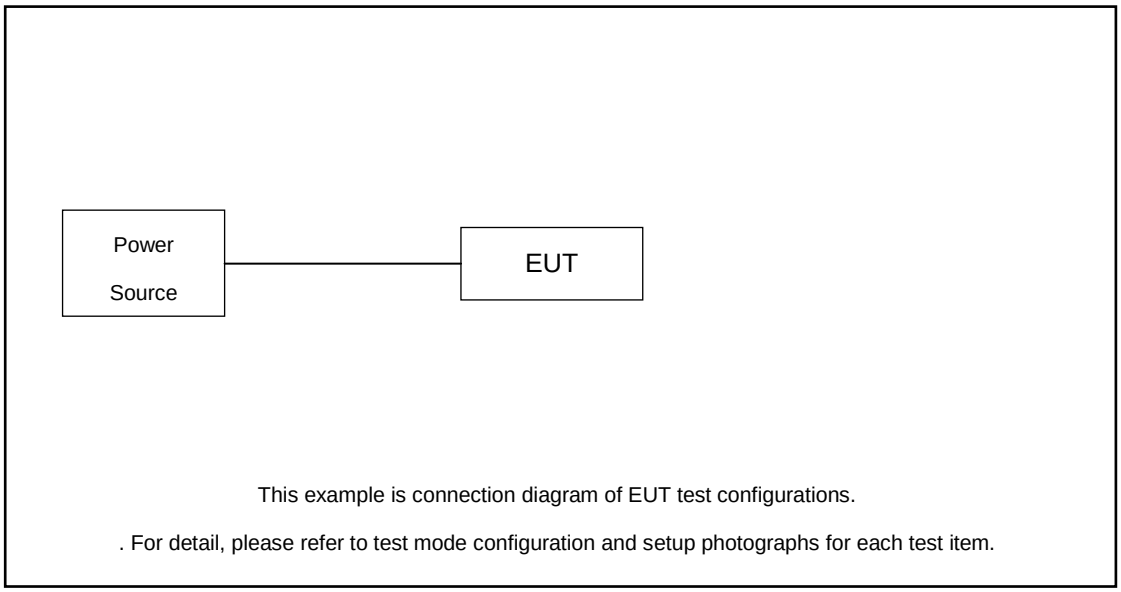
Ch. #		U-NII-1：5180-5250 MHz	U-NII-2A：5260-5320 MHz	U-NII-2C：5500-5700MHz
		802.11ax HE40	802.11ax HE40	802.11ax HE40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134

Ch. #		U-NII-1：5180-5250 MHz	U-NII-2A：5260-5320 MHz	U-NII-2C：5500-5700MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	-
M	Middle	42	58	106
H	High	-	-	-

Ch. #		U-NII-1：5180-5250 MHz
		802.11ax HE160
L	Low	-
M	Middle	50
H	High	-

2.3 Connection Diagram of Test System

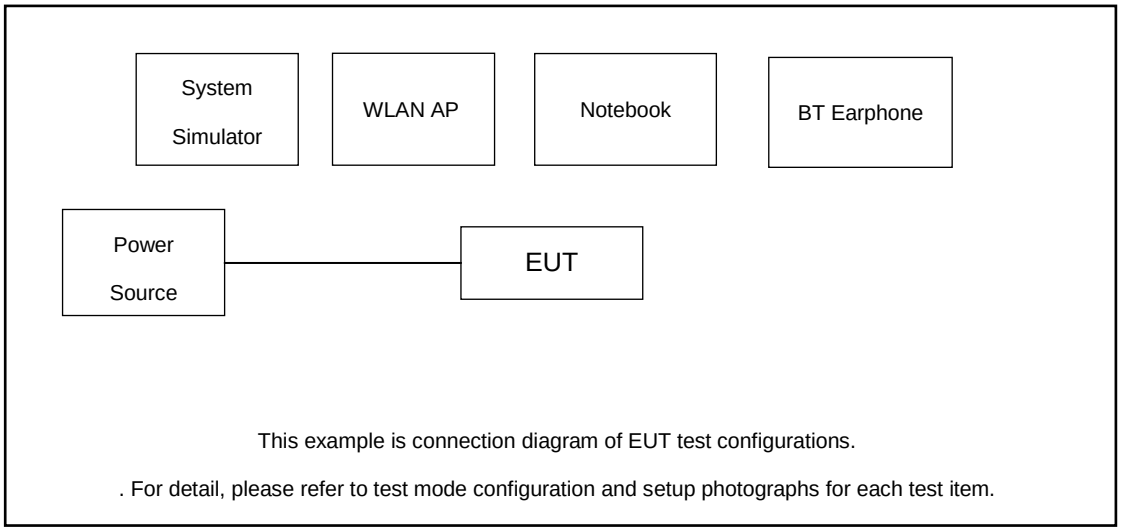
For Radiated Emission



This example is connection diagram of EUT test configurations.

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

For Conducted Emission



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.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	D-Link	DIR-820L	KA2IR820LA1	N/A	Unshielded,1.8m
3.	Notebook	DELL	Inspiron 15-7570	Fcc DoC	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
4.	Bluetooth Earphone	Samsung	EO-MG900	N/A	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/receive.

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 4.7 dB and 20dB attenuator.

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

= 4.7 + 20 = 24.7 (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.

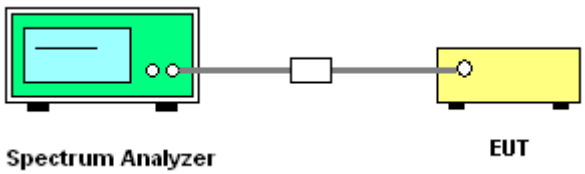
3.1.2 Measuring Instruments

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. Measure and record the results in the test report.

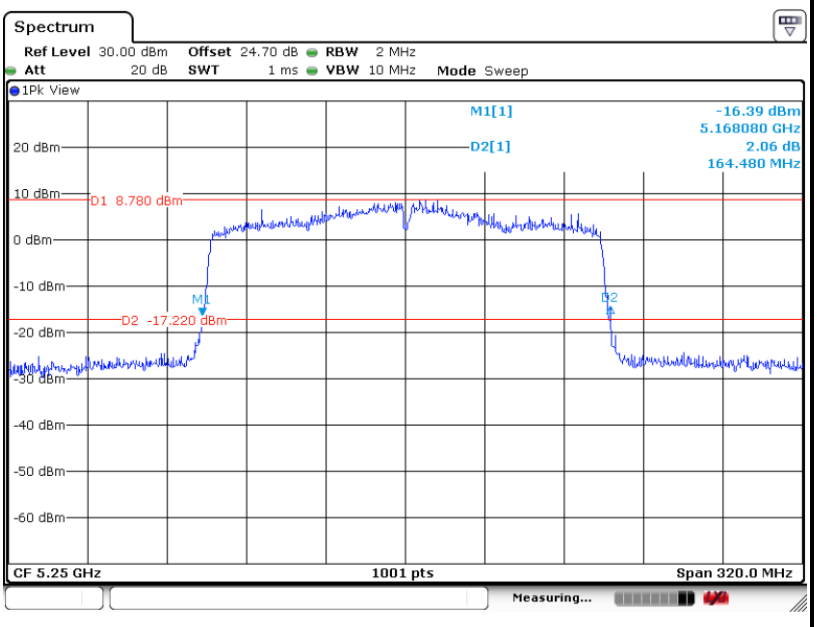
3.1.4 Test Setup



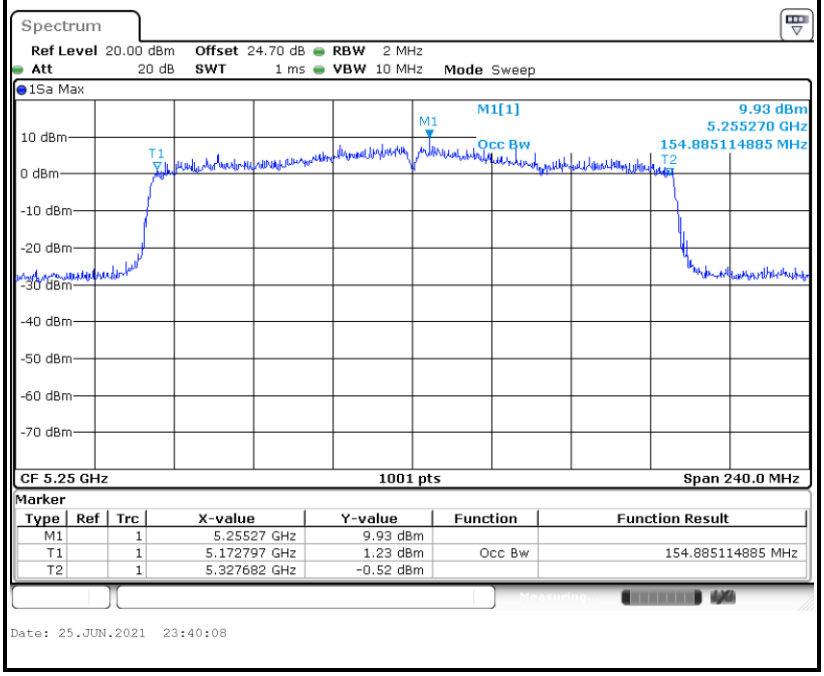
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

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

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

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.

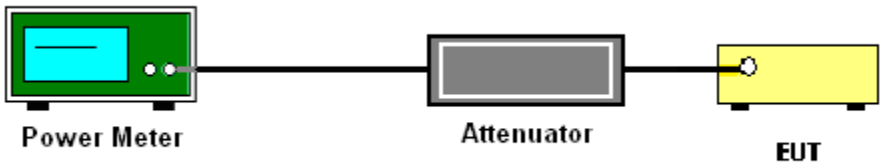
3.2.3 Test Procedures

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.

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.

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).

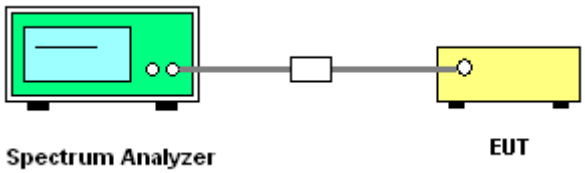
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), 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 from a 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.

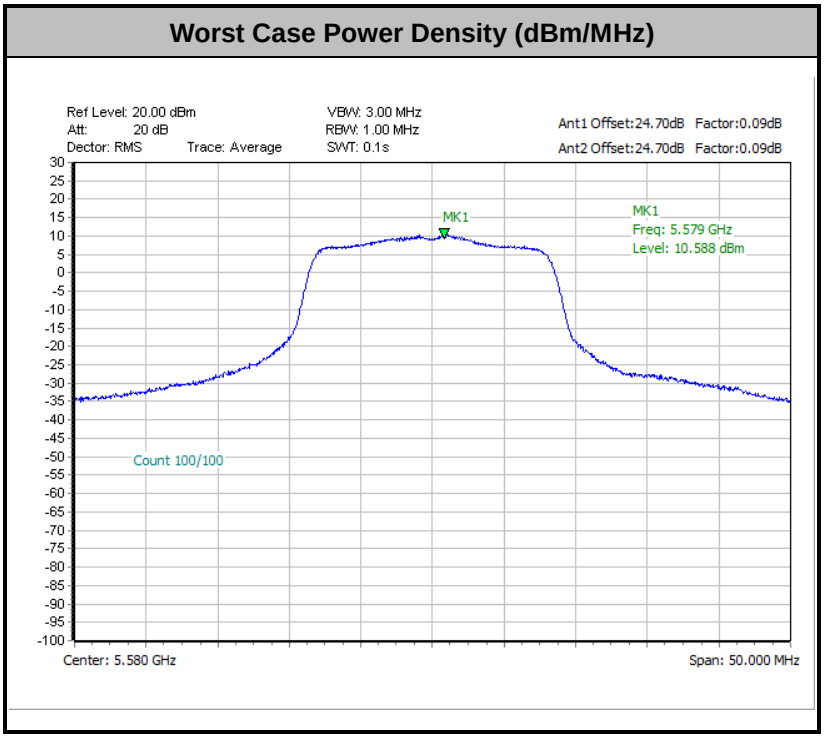
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



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 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz 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

3.4.2 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.

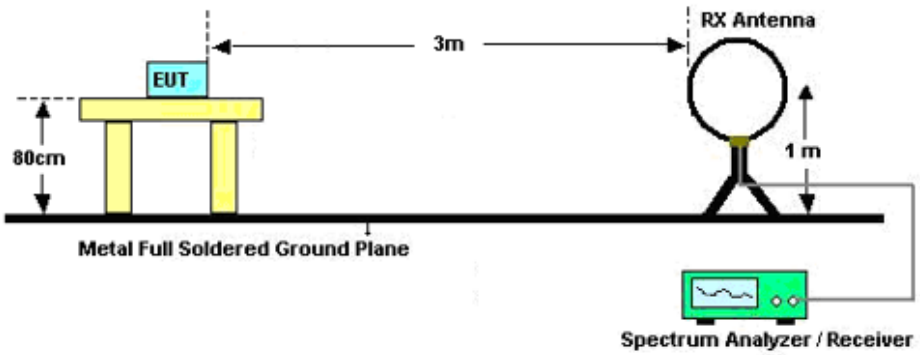
   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (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

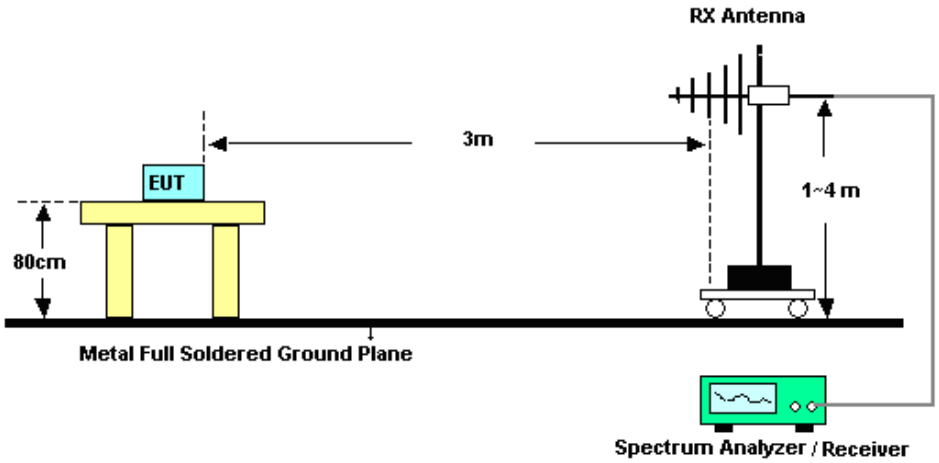
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting 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

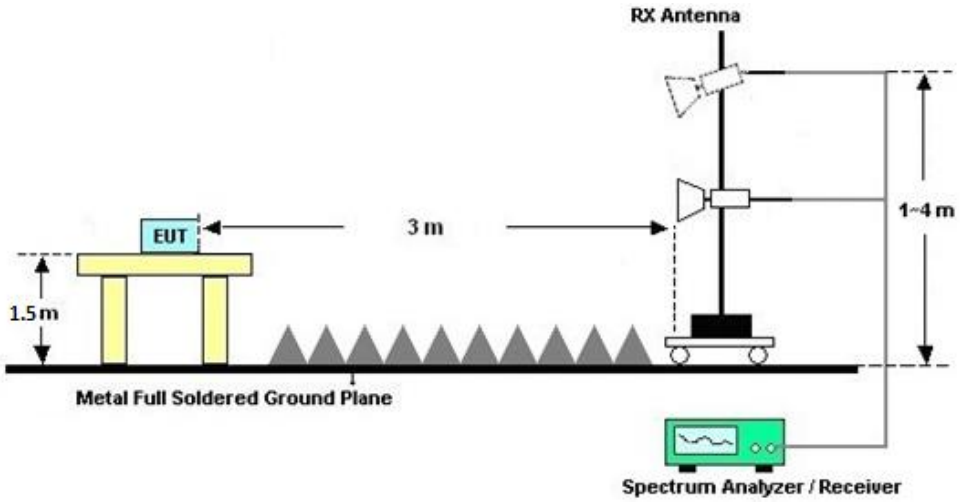
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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.

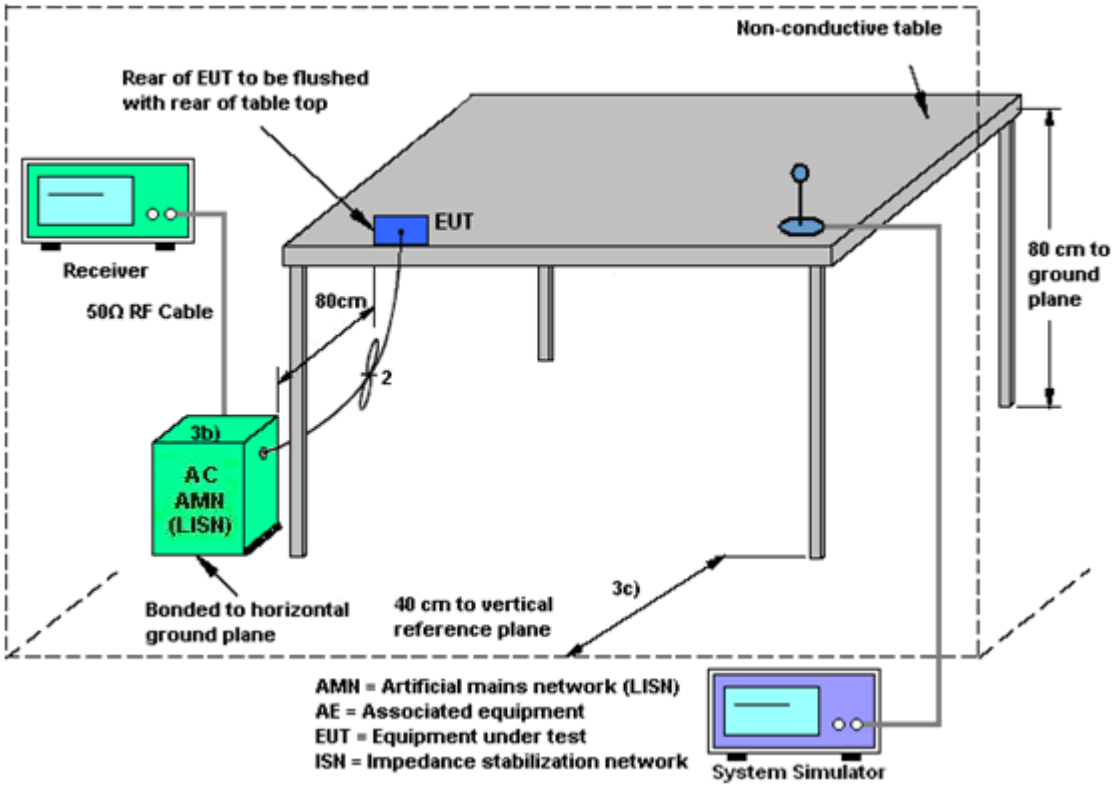
3.5.2 Measuring Instruments

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 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

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

3.6.3 Test Result of Automatically Discontinue Transmission

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

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

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

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-3.00	-2.90	-2.90	0.06	0.00	0.00
Band II	-3.20	-3.20	-3.20	-0.19	0.00	0.00
Band III	-3.50	-3.20	-3.20	-0.34	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. 08, 2021	Jun. 25, 2021	Apr. 07, 2022	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1207253	30MHz~40GHz	Dec. 25, 2020	Jun. 25, 2021	Dec. 24, 2021	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Dec. 25, 2020	Jun. 25, 2021	Dec. 24, 2021	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 21, 2020	Jun. 09, 2021	Jul. 20, 2021	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	Jun. 09, 2021	Jun. 21, 2021	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Jul. 15, 2020	Jun. 09, 2021	Jul. 14, 2021	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 25, 2020	Jun. 09, 2021	Jul. 24, 2021	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 21. 2020	Jun. 09, 2021	Jul. 20. 2021	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 23, 2021	Jun. 09, 2021	Apr. 22, 2022	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 16, 2020	Jun. 09, 2021	Oct. 15, 2021	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 16, 2020	Jun. 09, 2021	Oct. 15, 2021	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 16, 2020	Jun. 09, 2021	Oct. 15, 2021	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010002470	N/A	NCR	Jun. 09, 2021	NCR	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Jun. 09, 2021	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Jun. 09, 2021	NCR	Radiation (03CH02-SZ)
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Mar. 07, 2021	Jun. 11, 2021	Mar. 06, 2022	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2 LISN	00103912	9kHz~30MHz	Dec. 25, 2020	Jun. 11, 2021	Dec. 24, 2021	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 15, 2020	Jun. 11, 2021	Oct. 14, 2021	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 21, 2020	Jun. 11, 2021	Jul. 20, 2021	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 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))	**5.0dB**

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

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

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

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

Appendix A. Conducted Test Results

Report Number : FR151701E

Test Engineer:	Liu Qiu Qiu	Temperature:	24~26	°C
Test Date:	2021/6/25	Relative Humidity:	50~53	%

TEST RESULTS DATA
26dB and 99% OBW

Band I													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.23	16.28	20.38	20.08	-		22.10			
11a	6Mbps	2	44	5220	16.28	16.33	20.48	20.28	-		22.12			
11a	6Mbps	2	48	5240	16.28	16.33	20.48	20.08	-		22.12			
HT20	MCS0	2	36	5180	17.53	17.53	21.63	21.43	-		22.44			
HT20	MCS0	2	44	5220	17.53	17.53	21.73	21.63	-		22.44			
HT20	MCS0	2	48	5240	17.53	17.53	21.88	21.83	-		22.44			
HT40	MCS0	2	38	5190	36.16	36.16	41.09	40.55	-		23.01			
HT40	MCS0	2	46	5230	36.16	36.06	40.91	40.73	-		23.01			
VHT80	MCS0	2	42	5210	75.52	75.52	81.36	80.88	-		23.01			
VHT160	MCS0	2	50	5250	153.69	152.49	163.84	162.24	-		23.01			
HE20	MCS0	2	36	5180	18.88	18.83	22.08	22.68	-		22.75			
HE20	MCS0	2	44	5220	18.83	18.88	22.18	22.68	-		22.75			
HE20	MCS0	2	48	5240	18.93	18.93	22.33	22.48	-		22.77			
HE40	MCS0	2	38	5190	37.76	37.76	41.45	41.09	-		23.01			
HE40	MCS0	2	46	5230	37.76	37.86	41.54	41.45	-		23.01			
HE80	MCS0	2	42	5210	77.32	77.32	81.52	81.36	-		23.01			
HE160	MCS0	2	50	5250	154.89	154.65	164.48	162.88	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I													
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			DG (dBi)		Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	
11a	6Mbps	2	36	Full	5180	0.09	0.09	17.25	18.21	20.77	-2.90		Pass
11a	6Mbps	2	44	Full	5220	0.09	0.09	17.75	18.38	21.09	-2.90		Pass
11a	6Mbps	2	48	Full	5240	0.09	0.09	17.62	18.21	20.94	-2.90		Pass
HT20	MCS0	2	36	Full	5180	0.00	0.00	17.42	18.30	20.89	-2.90		Pass
HT20	MCS0	2	44	Full	5220	0.00	0.00	17.37	17.92	20.66	-2.90		Pass
HT20	MCS0	2	48	Full	5240	0.00	0.00	17.27	17.90	20.61	-2.90		Pass
HT40	MCS0	2	38	Full	5190	0.00	0.00	15.37	16.00	18.71	-2.90		Pass
HT40	MCS0	2	46	Full	5230	0.00	0.00	17.18	17.49	20.35	-2.90		Pass
VHT20	MCS0	2	36	Full	5180	0.00	0.00	17.35	18.20	20.81	-2.90		Pass
VHT20	MCS0	2	44	Full	5220	0.00	0.00	17.32	17.85	20.60	-2.90		Pass
VHT20	MCS0	2	48	Full	5240	0.00	0.00	17.22	17.74	20.50	-2.90		Pass
VHT40	MCS0	2	38	Full	5190	0.00	0.00	15.35	15.97	18.68	-2.90		Pass
VHT40	MCS0	2	46	Full	5230	0.00	0.00	17.18	17.46	20.33	-2.90		Pass
VHT80	MCS0	2	42	Full	5210	0.00	0.00	15.03	15.16	18.11	-2.90		Pass
VHT160	MCS0	2	50	Full	5250	0.00	0.00	14.69	14.06	17.40	-2.90		Pass
HE20	MCS0	2	36	Full	5180	0.00	0.00	17.75	18.51	21.16	-2.90		Pass
				26/0		0.00	0.00	9.66	9.10	12.40	-2.90		Pass
				52/37		0.00	0.00	12.41	12.14	15.29	-2.90		Pass
				106/53		0.00	0.00	14.62	14.38	17.51	-2.90		Pass
			44	Full	5220	0.00	0.00	17.65	18.26	20.98	-2.90		Pass
			48	Full	5240	0.00	0.00	17.54	18.03	20.80	-2.90		Pass
				26/8		0.00	0.00	9.62	9.40	12.52	-2.90		Pass
				52/40		0.00	0.00	12.00	11.74	14.88	-2.90		Pass
				106/54		0.00	0.00	15.21	15.19	18.21	-2.90		Pass
HE40	MCS0	2	38	Full	5190	0.00	0.00	15.00	15.55	18.29	-2.90		Pass
				242/61		0.00	0.00	12.08	11.38	14.75	-2.90		Pass
			46	Full	5230	0.00	0.00	17.00	17.20	20.11	-2.90		Pass
				242/62		0.00	0.00	15.68	14.70	18.23	-2.90		Pass
HE80	MCS0	2	42	Full	5210	0.00	0.00	15.43	15.57	18.51	-2.90		Pass
				484/65		0.00	0.00	11.42	11.26	14.35	-2.90		Pass
				484/66		0.00	0.00	11.49	11.29	14.40	-2.90		Pass
HE160	MCS0	2	50	Full	5250	0.00	0.00	14.77	14.25	17.53	-2.90		Pass
				996/67		0.00	0.00	12.12	11.14	14.67	-2.90		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	0.09	0.09			10.30	11.00		0.06			Pass
11a	6Mbps	2	44	Full	5220	0.09	0.09			10.24	11.00		0.06			Pass
11a	6Mbps	2	48	Full	5240	0.09	0.09			10.25	11.00		0.06			Pass
HT20	MCS0	2	36	Full	5180	0.00	0.00			9.51	11.00		0.06			Pass
HT20	MCS0	2	44	Full	5220	0.00	0.00			9.44	11.00		0.06			Pass
HT20	MCS0	2	48	Full	5240	0.00	0.00			9.48	11.00		0.06			Pass
HT40	MCS0	2	38	Full	5190	0.00	0.00			6.80	11.00		0.06			Pass
HT40	MCS0	2	46	Full	5230	0.00	0.00			6.72	11.00		0.06			Pass
VHT80	MCS0	2	42	Full	5210	0.00	0.00			3.42	11.00		0.06			Pass
VHT160	MCS0	2	50	Full	5250	0.00	0.00			-1.81	11.00		0.06			Pass
HE20	MCS0	2	36	Full	5180	0.00	0.00			9.60	11.00		0.06			Pass
				26/0		0.00	0.00			9.32	11.00		0.06			Pass
				52/37		0.00	0.00			9.28	11.00		0.06			Pass
				106/53		0.00	0.00			9.38	11.00		0.06			Pass
HE20	MCS0	2	44	Full	5220	0.00	0.00			9.52	11.00		0.06			Pass
HE20	MCS0	2	48	Full	5240	0.00	0.00			9.45	11.00		0.06			Pass
				26/8		0.00	0.00			9.41	11.00		0.06			Pass
				52/40		0.00	0.00			8.97	11.00		0.06			Pass
				106/54		0.00	0.00			9.35	11.00		0.06			Pass
HE40	MCS0	2	38	Full	5190	0.00	0.00			4.51	11.00		0.06			Pass
				242/61		0.00	0.00			4.14	11.00		0.06			Pass
HE40	MCS0	2	46	Full	5230	0.00	0.00			6.19	11.00		0.06			Pass
				242/62		0.00	0.00			5.78	11.00		0.06			Pass
HE80	MCS0	2	42	Full	5210	0.00	0.00			2.23	11.00		0.06			Pass
				484/65		0.00	0.00			1.93	11.00		0.06			Pass
				484/66		0.00	0.00			1.99	11.00		0.06			Pass
HE160	MCS0	2	50	Full	5250	0.00	0.00			-1.92	11.00		0.06			Pass
				996/67		0.00	0.00			-2.47	11.00		0.06			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.28	16.33	20.63	20.13	23.12		29.12		23.98		
11a	6Mbps	2	60	5300	16.28	16.28	20.48	20.28	23.12		29.12		23.98		
11a	6Mbps	2	64	5320	16.28	16.33	20.53	20.33	23.12		29.12		23.98		
HT20	MCS0	2	52	5260	17.53	17.53	21.68	21.38	23.44		29.44		23.98		
HT20	MCS0	2	60	5300	17.53	17.53	21.78	21.58	23.44		29.44		23.98		
HT20	MCS0	2	64	5320	17.53	17.53	21.78	21.68	23.44		29.44		23.98		
HT40	MCS0	2	54	5270	36.16	36.16	41.09	40.55	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.16	36.16	40.73	41.00	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.40	75.52	82.16	81.20	23.98		30.00		23.98		
HE20	MCS0	2	52	5260	18.83	18.88	22.38	22.58	23.75		29.75		23.98		
HE20	MCS0	2	60	5300	18.83	18.88	22.18	22.83	23.75		29.75		23.98		
HE20	MCS0	2	64	5320	18.88	18.93	22.13	22.63	23.76		29.76		23.98		
HE40	MCS0	2	54	5270	37.86	37.76	41.45	41.18	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	37.86	37.86	41.36	41.27	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	77.44	77.44	81.84	81.20	23.98		30.00		23.98		

Report Number : FR151701E

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)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2		
11a	6Mbps	2	52	Full	5260	0.09	0.09	17.67	18.05	20.87	-3.20		26.99	Pass
11a	6Mbps	2	60	Full	5300	0.09	0.09	17.56	18.07	20.83	-3.20		26.99	Pass
11a	6Mbps	2	64	Full	5320	0.09	0.09	17.22	18.25	20.78	-3.20		26.99	Pass
HT20	MCS0	2	52	Full	5260	0.00	0.00	17.26	17.59	20.44	-3.20		26.99	Pass
HT20	MCS0	2	60	Full	5300	0.00	0.00	17.16	17.75	20.48	-3.20		26.99	Pass
HT20	MCS0	2	64	Full	5320	0.00	0.00	16.93	17.84	20.42	-3.20		26.99	Pass
HT40	MCS0	2	54	Full	5270	0.00	0.00	17.10	17.18	20.15	-3.20		26.99	Pass
HT40	MCS0	2	62	Full	5310	0.00	0.00	15.38	16.27	18.86	-3.20		26.99	Pass
VHT20	MCS0	2	52	Full	5260	0.00	0.00	17.25	17.57	20.42	-3.20		26.99	Pass
VHT20	MCS0	2	60	Full	5300	0.00	0.00	17.14	17.69	20.43	-3.20		26.99	Pass
VHT20	MCS0	2	64	Full	5320	0.00	0.00	16.85	17.75	20.33	-3.20		26.99	Pass
VHT40	MCS0	2	54	Full	5270	0.00	0.00	17.05	17.10	20.09	-3.20		26.99	Pass
VHT40	MCS0	2	62	Full	5310	0.00	0.00	15.35	16.24	18.83	-3.20		26.99	Pass
VHT80	MCS0	2	58	Full	5290	0.00	0.00	16.38	16.30	19.35	-3.20		26.99	Pass
HE20	MCS0	2	52	Full	5260	0.00	0.00	17.53	17.83	20.69	-3.20		26.99	Pass
				26/0		0.00	0.00	9.44	9.32	12.39	-3.20		26.99	Pass
				52/37		0.00	0.00	12.15	12.37	15.27	-3.20		26.99	Pass
				106/53		0.00	0.00	14.72	15.06	17.90	-3.20		26.99	Pass
			60	Full	5300	0.00	0.00	17.45	17.93	20.71	-3.20		26.99	Pass
			64	Full	5320	0.00	0.00	17.24	18.11	20.71	-3.20		26.99	Pass
				26/8		0.00	0.00	8.94	9.86	12.43	-3.20		26.99	Pass
				52/40		0.00	0.00	11.20	12.84	15.11	-3.20		26.99	Pass
				106/54		0.00	0.00	14.12	14.86	17.52	-3.20		26.99	Pass
HE40	MCS0	2	54	Full	5270	0.00	0.00	16.81	16.87	19.85	-3.20		26.99	Pass
				242/61		0.00	0.00	15.08	15.39	18.25	-3.20		26.99	Pass
			62	Full	5310	0.00	0.00	14.97	15.79	18.41	-3.20		26.99	Pass
				242/62		0.00	0.00	12.88	14.78	16.94	-3.20		26.99	Pass
HE80	MCS0	2	58	Full	5290	0.00	0.00	16.40	16.36	19.39	-3.20		26.99	Pass
				484/65		0.00	0.00	14.73	15.05	17.90	-3.20		26.99	Pass
				484/66		0.00	0.00	12.46	12.88	15.69	-3.20		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II																
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	Full	5260	0.09	0.09			10.41	11.00		-0.19			Pass
11a	6Mbps	2	60	Full	5300	0.09	0.09			10.55	11.00		-0.19			Pass
11a	6Mbps	2	64	Full	5320	0.09	0.09			10.47	11.00		-0.19			Pass
HT20	MCS0	2	52	Full	5260	0.00	0.00			9.49	11.00		-0.19			Pass
HT20	MCS0	2	60	Full	5300	0.00	0.00			9.67	11.00		-0.19			Pass
HT20	MCS0	2	64	Full	5320	0.00	0.00			9.74	11.00		-0.19			Pass
HT40	MCS0	2	54	Full	5270	0.00	0.00			6.35	11.00		-0.19			Pass
HT40	MCS0	2	62	Full	5310	0.00	0.00			7.01	11.00		-0.19			Pass
VHT80	MCS0	2	58	Full	5290	0.00	0.00			3.26	11.00		-0.19			Pass
HE20	MCS0	2	52	Full	5260	0.00	0.00			9.72	11.00		-0.19			Pass
				26/0		0.00	0.00			9.39	11.00		-0.19			Pass
				52/37		0.00	0.00			9.32	11.00		-0.19			Pass
				106/53		0.00	0.00			9.09	11.00		-0.19			Pass
HE20	MCS0	2	60	Full	5300	0.00	0.00			9.69	11.00		-0.19			Pass
HE20	MCS0	2	64	Full	5320	0.00	0.00			9.61	11.00		-0.19			Pass
				26/8		0.00	0.00			9.28	11.00		-0.19			Pass
				52/40		0.00	0.00			9.23	11.00		-0.19			Pass
				106/54		0.00	0.00			9.48	11.00		-0.19			Pass
HE40	MCS0	2	54	Full	5270	0.00	0.00			6.31	11.00		-0.19			Pass
				242/61		0.00	0.00			5.69	11.00		-0.19			Pass
HE40	MCS0	2	62	Full	5310	0.00	0.00			5.20	11.00		-0.19			Pass
				242/62		0.00	0.00			5.13	11.00		-0.19			Pass
HE80	MCS0	2	58	Full	5290	0.00	0.00			3.26	11.00		-0.19			Pass
				484/65		0.00	0.00			3.31	11.00		-0.19			Pass
				484/66		0.00	0.00			3.19	11.00		-0.19			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	100	5500	16.33	16.33	20.58	20.13	23.13		29.13		23.98		
11a	6Mbps	2	116	5580	16.33	16.33	20.68	21.33	23.13		29.13		23.98		
11a	6Mbps	2	140	5700	16.33	16.33	20.78	20.53	23.13		29.13		23.98		
HT20	MCS0	2	100	5500	17.53	17.53	21.78	21.53	23.44		29.44		23.98		
HT20	MCS0	2	116	5580	17.58	17.58	21.88	21.58	23.45		29.45		23.98		
HT20	MCS0	2	140	5700	17.58	17.63	22.08	21.98	23.45		29.45		23.98		
HT40	MCS0	2	102	5510	36.26	36.26	41.09	40.55	23.98		30.00		23.98		
HT40	MCS0	2	110	5550	36.36	36.26	41.18	40.46	23.98		30.00		23.98		
HT40	MCS0	2	134	5670	36.16	36.26	41.63	40.82	23.98		30.00		23.98		
VHT80	MCS0	2	106	5530	75.88	75.76	81.20	80.72	23.98		30.00		23.98		
HE20	MCS0	2	100	5500	18.88	18.88	22.38	22.53	23.76		29.76		23.98		
HE20	MCS0	2	116	5580	18.88	18.93	22.18	22.68	23.76		29.76		23.98		
HE20	MCS0	2	140	5700	18.93	18.93	22.33	22.78	23.77		29.77		23.98		
HE40	MCS0	2	102	5510	37.86	37.86	41.36	41.00	23.98		30.00		23.98		
HE40	MCS0	2	110	5550	37.86	37.86	41.27	41.09	23.98		30.00		23.98		
HE40	MCS0	2	134	5670	37.96	37.86	41.45	41.18	23.98		30.00		23.98		
HE80	MCS0	2	106	5530	77.44	77.44	81.68	81.04	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

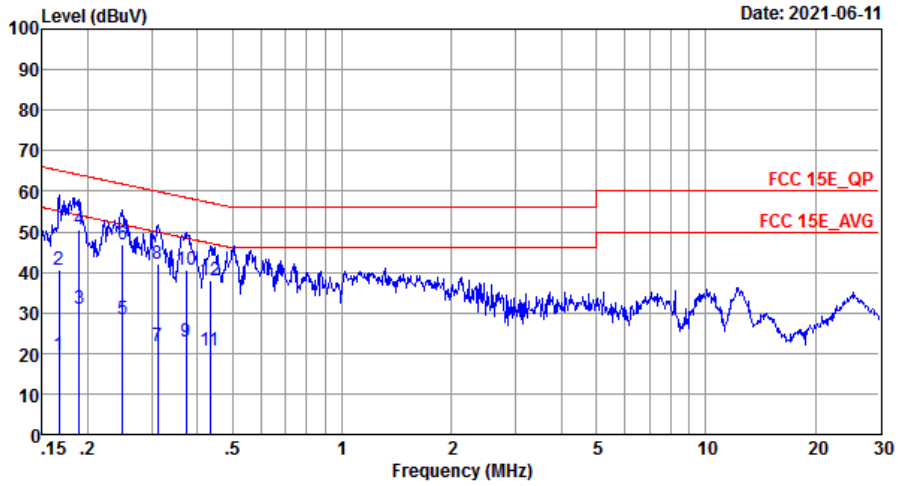
FCC Band III																
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	Full	5500	0.09	0.09	17.80	16.77	20.33	23.98		-3.20		26.99	Pass
11a	6Mbps	2	116	Full	5580	0.09	0.09	17.37	17.09	20.24	23.98		-3.20		26.99	Pass
11a	6Mbps	2	140	Full	5700	0.09	0.09	14.69	14.46	17.59	23.98		-3.20		26.99	Pass
HT20	MCS0	2	100	Full	5500	0.00	0.00	17.38	16.37	19.91	23.98		-3.20		26.99	Pass
HT20	MCS0	2	116	Full	5580	0.00	0.00	17.06	16.67	19.88	23.98		-3.20		26.99	Pass
HT20	MCS0	2	140	Full	5700	0.00	0.00	14.45	14.08	17.28	23.98		-3.20		26.99	Pass
HT40	MCS0	2	102	Full	5510	0.00	0.00	17.27	15.98	19.68	23.98		-3.20		26.99	Pass
HT40	MCS0	2	110	Full	5550	0.00	0.00	16.99	15.93	19.50	23.98		-3.20		26.99	Pass
HT40	MCS0	2	134	Full	5670	0.00	0.00	16.56	15.77	19.19	23.98		-3.20		26.99	Pass
VHT20	MCS0	2	100	Full	5500	0.00	0.00	17.35	16.36	19.89	23.98		-3.20		26.99	Pass
VHT20	MCS0	2	116	Full	5580	0.00	0.00	17.04	16.59	19.83	23.98		-3.20		26.99	Pass
VHT20	MCS0	2	140	Full	5700	0.00	0.00	14.42	14.06	17.25	23.98		-3.20		26.99	Pass
VHT40	MCS0	2	102	Full	5510	0.00	0.00	17.19	15.93	19.62	23.98		-3.20		26.99	Pass
VHT40	MCS0	2	110	Full	5550	0.00	0.00	16.97	15.86	19.46	23.98		-3.20		26.99	Pass
VHT40	MCS0	2	134	Full	5670	0.00	0.00	16.50	15.66	19.11	23.98		-3.20		26.99	Pass
VHT80	MCS0	2	106	Full	5530	0.00	0.00	15.30	13.80	17.62	23.98		-3.20		26.99	Pass
HE20	MCS0	2	100	Full	5500	0.00	0.00	17.74	16.60	20.22	23.98		-3.20		26.99	Pass
				26/0		0.00	0.00	10.51	8.66	12.69	23.98		-3.20		26.99	Pass
				52/37		0.00	0.00	12.83	11.10	15.06	23.98		-3.20		26.99	Pass
				106/53		0.00	0.00	14.65	13.44	17.10	23.98		-3.20		26.99	Pass
			116	Full	5580	0.00	0.00	17.30	16.93	20.13	23.98		-3.20		26.99	Pass
			140	Full	5700	0.00	0.00	15.42	14.53	18.01	23.98		-3.20		26.99	Pass
				26/8		0.00	0.00	6.50	3.66	8.32	23.98		-3.20		26.99	Pass
				52/40		0.00	0.00	10.11	7.23	11.91	23.98		-3.20		26.99	Pass
				106/54		0.00	0.00	11.54	9.22	13.54	23.98		-3.20		26.99	Pass
HE40	MCS0	2	102	Full	5510	0.00	0.00	15.42	14.24	17.88	23.98		-3.20		26.99	Pass
				242/61		0.00	0.00	14.37	12.57	16.57	23.98		-3.20		26.99	Pass
			110	Full	5550	0.00	0.00	16.83	15.70	19.31	23.98		-3.20		26.99	Pass
			134	Full	5670	0.00	0.00	16.82	16.00	19.44	23.98		-3.20		26.99	Pass
				242/62		0.00	0.00	12.87	10.02	14.69	23.98		-3.20		26.99	Pass
HE80	MCS0	2	106	Full	5530	0.00	0.00	14.89	13.41	17.22	23.98		-3.20		26.99	Pass
				484/65		0.00	0.00	10.33	9.75	13.06	23.98		-3.20		26.99	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	0.09	0.09			10.30	11.00		-0.34			Pass
11a	6Mbps	2	116	Full	5580	0.09	0.09			10.59	11.00		-0.34			Pass
11a	6Mbps	2	140	Full	5700	0.09	0.09			10.12	11.00		-0.34			Pass
HT20	MCS0	2	100	Full	5500	0.00	0.00			9.54	11.00		-0.34			Pass
HT20	MCS0	2	116	Full	5580	0.00	0.00			9.47	11.00		-0.34			Pass
HT20	MCS0	2	140	Full	5700	0.00	0.00			9.22	11.00		-0.34			Pass
HT40	MCS0	2	102	Full	5510	0.00	0.00			6.94	11.00		-0.34			Pass
HT40	MCS0	2	110	Full	5550	0.00	0.00			7.36	11.00		-0.34			Pass
HT40	MCS0	2	134	Full	5670	0.00	0.00			7.00	11.00		-0.34			Pass
VHT80	MCS0	2	106	Full	5530	0.00	0.00			3.54	11.00		-0.34			Pass
HE20	MCS0	2	100	Full	5500	0.00	0.00			9.75	11.00		-0.34			Pass
				26/0		0.00	0.00			9.59	11.00		-0.34			Pass
				52/37		0.00	0.00			9.09	11.00		-0.34			Pass
				106/53		0.00	0.00			9.14	11.00		-0.34			Pass
HE20	MCS0	2	116	Full	5580	0.00	0.00			9.63	11.00		-0.34			Pass
HE20	MCS0	2	140	Full	5700	0.00	0.00			7.14	11.00		-0.34			Pass
				26/8		0.00	0.00			6.86	11.00		-0.34			Pass
				52/40		0.00	0.00			6.71	11.00		-0.34			Pass
				106/54		0.00	0.00			6.97	11.00		-0.34			Pass
HE40	MCS0	2	102	Full	5510	0.00	0.00			5.58	11.00		-0.34			Pass
				242/61		0.00	0.00			4.98	11.00		-0.34			Pass
HE40	MCS0	2	110	Full	5550	0.00	0.00			6.34	11.00		-0.34			Pass
HE40	MCS0	2	134	Full	5670	0.00	0.00			5.84	11.00		-0.34			Pass
				242/62		0.00	0.00			5.77	11.00		-0.34			Pass
HE80	MCS0	2	106	Full	5530	0.00	0.00			1.94	11.00		-0.34			Pass
				484/65		0.00	0.00			1.43	11.00		-0.34			Pass

Appendix B. AC Conducted Emission Test Results

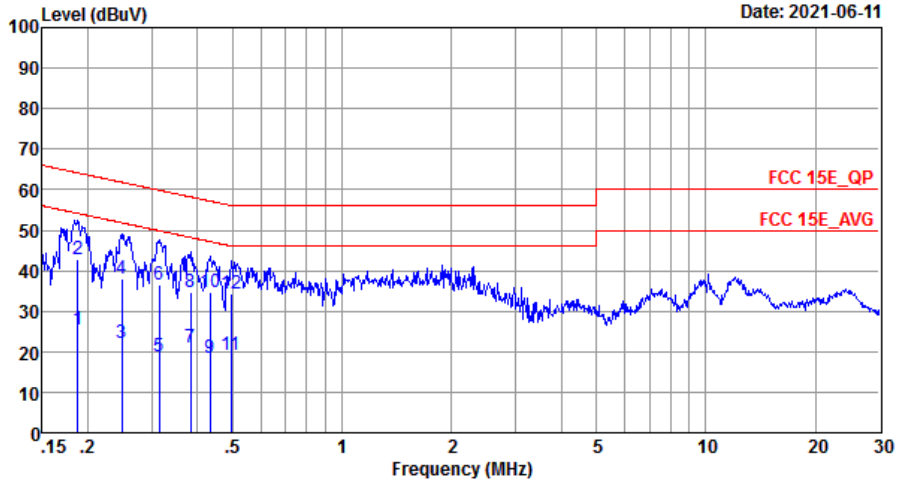
Test Engineer :	Yuqiang Xie	**Temperature :**	22~25℃
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ
Condition: FCC 15E_QP LISN_20201030_L LINE

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.17	19.60	-35.52	55.12	9.50	0.08	10.02	Average
2		0.17	40.50	-24.62	65.12	30.40	0.08	10.02	QP
3		0.19	30.91	-23.15	54.06	20.80	0.08	10.03	Average
4	*	0.19	50.61	-13.45	64.06	40.50	0.08	10.03	QP
5		0.25	28.58	-23.20	51.78	18.51	0.04	10.03	Average
6		0.25	46.78	-15.00	61.78	36.71	0.04	10.03	QP
7		0.31	21.86	-28.07	49.93	11.80	0.02	10.04	Average
8		0.31	41.96	-17.97	59.93	31.90	0.02	10.04	QP
9		0.37	23.01	-25.42	48.43	12.91	0.06	10.04	Average
10		0.37	40.41	-18.02	58.43	30.31	0.06	10.04	QP
11		0.43	20.83	-26.37	47.20	10.69	0.09	10.05	Average
12		0.43	38.13	-19.07	57.20	27.99	0.09	10.05	QP

Test Engineer :	Yuqiang Xie	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_20201030_N NEUTRAL

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.19	25.41	-28.74	54.15	15.30	0.08	10.03	Average
2	*	0.19	42.71	-21.44	64.15	32.60	0.08	10.03	QP
3		0.25	22.28	-29.54	51.82	12.21	0.04	10.03	Average
4		0.25	37.88	-23.94	61.82	27.81	0.04	10.03	QP
5		0.31	18.96	-30.88	49.84	8.90	0.02	10.04	Average
6		0.31	36.56	-23.28	59.84	26.50	0.02	10.04	QP
7		0.38	21.11	-27.10	48.21	11.00	0.07	10.04	Average
8		0.38	34.61	-23.60	58.21	24.50	0.07	10.04	QP
9		0.43	18.63	-28.57	47.20	8.49	0.09	10.05	Average
10		0.43	34.83	-22.37	57.20	24.69	0.09	10.05	QP
11		0.49	19.05	-27.05	46.10	8.90	0.10	10.05	Average
12		0.49	34.35	-21.75	56.10	24.20	0.10	10.05	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

5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable 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		5145.34	57.3	-16.7	74	48.13	31.9	10.06	32.79	137	36	P	H
		5149.5	50.89	-3.11	54	41.72	31.9	10.06	32.79	137	36	A	H
	*	5180	109.29	-	-	100.31	31.7	10.09	32.81	137	36	P	H
		5180	102.54	-	-	93.56	31.7	10.09	32.81	137	36	A	H
		5149.24	53.15	-20.85	74	43.98	31.9	10.06	32.79	223	16	P	V
		5150	45.93	-8.07	54	36.76	31.9	10.06	32.79	223	16	A	V
	*	5180	106.22	-	-	97.24	31.7	10.09	32.81	223	16	P	V
		5180	99.8	-	-	90.82	31.7	10.09	32.81	223	16	A	V
802.11a CH 44 5220MHz		5133.12	48.3	-25.7	74	39.15	31.87	10.06	32.78	139	39	P	H
		5149.24	40.11	-13.89	54	30.94	31.9	10.06	32.79	139	39	A	H
	*	5220	109.99	-	-	101.19	31.5	10.13	32.83	139	39	P	H
		5220	101.97	-	-	93.17	31.5	10.13	32.83	139	39	A	H
		5457.6	45.45	-28.55	74	36.35	31.7	10.38	32.98	139	39	P	H
		5446.56	38.1	-15.9	54	28.99	31.7	10.38	32.97	139	39	A	H
		5040.04	48.14	-25.86	74	39.17	31.7	9.99	32.72	224	21	P	V
		5002.86	39.47	-14.53	54	30.72	31.5	9.95	32.7	224	21	A	V
	*	5220	105.94	-	-	97.14	31.5	10.13	32.83	224	21	P	V
		5220	100.07	-	-	91.27	31.5	10.13	32.83	224	21	A	V
		5384.88	45.9	-28.1	74	36.97	31.57	10.3	32.94	224	21	P	V
		5449.68	38.12	-15.88	54	29.01	31.7	10.38	32.97	224	21	A	V

802.11a CH 48 5240MHz		5096.46	47.61	-26.39	74	38.55	31.8	10.02	32.76	152	40	P	H
		5149.5	39.51	-14.49	54	30.34	31.9	10.06	32.79	152	40	A	H
	*	5240	109.23	-	-	100.5	31.4	10.17	32.84	152	40	P	H
		5240	102.15	-	-	93.42	31.4	10.17	32.84	152	40	A	H
		5448.96	46.22	-27.78	74	37.11	31.7	10.38	32.97	152	40	P	H
		5443.44	38.09	-15.91	54	28.98	31.7	10.38	32.97	152	40	A	H
		5042.64	48.84	-25.16	74	39.88	31.7	9.99	32.73	196	14	P	V
		5088.92	39.21	-14.79	54	30.14	31.8	10.02	32.75	196	14	A	V
	*	5240	105.33	-	-	96.6	31.4	10.17	32.84	196	14	P	V
		5240	99.08	-	-	90.35	31.4	10.17	32.84	196	14	A	V
		5413.92	45.88	-28.12	74	36.79	31.7	10.34	32.95	196	14	P	V
		5441.76	38.02	-15.98	54	28.91	31.7	10.38	32.97	196	14	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	49.96	-18.34	68.3	52.12	39.67	11.56	53.39	152	260	P	H
		15540	50.04	-23.96	74	48.71	38.5	14.74	51.91	189	238	P	H
		10360	48.74	-19.56	68.3	50.9	39.67	11.56	53.39	152	260	P	V
		15540	49.72	-24.28	74	48.39	38.5	14.74	51.91	189	238	P	V
802.11a CH 44 5220MHz		10440	48.54	-19.76	68.3	50.58	39.8	11.61	53.45	150	230	P	H
		15660	50.28	-23.72	74	49.26	38.2	14.78	51.96	160	225	P	H
		10440	48.25	-20.05	68.3	50.29	39.8	11.61	53.45	150	230	P	V
		15660	49.24	-24.76	74	48.22	38.2	14.78	51.96	160	225	P	V
802.11a CH 48 5240MHz		10480	48.37	-19.93	68.3	50.45	39.8	11.61	53.49	150	289	P	H
		15720	47.87	-26.13	74	47.14	37.98	14.74	51.99	150	291	P	H
		10480	48.26	-20.04	68.3	50.34	39.8	11.61	53.49	150	289	P	V
		15720	48.65	-25.35	74	47.92	37.98	14.74	51.99	150	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5147.68	56.89	-17.11	74	47.72	31.9	10.06	32.79	133	7	P	H
		5150	50.53	-3.47	54	41.36	31.9	10.06	32.79	133	7	A	H
802.11n	*	5180	109.88	-	-	100.9	31.7	10.09	32.81	133	7	P	H
HT20		5180	103.21	-	-	94.23	31.7	10.09	32.81	133	7	A	H
CH 36		5149.99	51.28	-22.72	74	42.11	31.9	10.06	32.79	193	6	P	V
5180MHz		5149.76	43.09	-10.91	54	33.92	31.9	10.06	32.79	193	6	A	V
	*	5180	105.01	-	-	96.03	31.7	10.09	32.81	193	6	P	V
		5180	98.05	-	-	89.07	31.7	10.09	32.81	193	6	A	V
		5148.2	48.75	-25.25	74	39.58	31.9	10.06	32.79	173	41	P	H
		5149.76	39.59	-14.41	54	30.42	31.9	10.06	32.79	173	41	A	H
	*	5220	108.5	-	-	99.7	31.5	10.13	32.83	173	41	P	H
		5220	102.51	-	-	93.71	31.5	10.13	32.83	173	41	A	H
802.11n		5396.64	45.75	-28.25	74	36.65	31.7	10.34	32.94	173	41	P	H
HT20		5442.96	37.19	-16.81	54	28.08	31.7	10.38	32.97	173	41	A	H
CH 44		5099.58	47.49	-26.51	74	38.43	31.8	10.02	32.76	245	8	P	V
5220MHz		5148.72	38.57	-15.43	54	29.4	31.9	10.06	32.79	245	8	A	V
	*	5220	105.11	-	-	96.31	31.5	10.13	32.83	245	8	P	V
		5220	97.87	-	-	89.07	31.5	10.13	32.83	245	8	A	V
		5351.04	45.65	-28.35	74	36.97	31.3	10.3	32.92	245	8	P	V
		5459.28	37.13	-16.87	54	28.03	31.7	10.38	32.98	245	8	A	V

		5144.82	47.89	-26.11	74	38.72	31.9	10.06	32.79	152	53	P	H
		5146.9	38.6	-15.4	54	29.43	31.9	10.06	32.79	152	53	A	H
	*	5240	108.54	-	-	99.81	31.4	10.17	32.84	152	53	P	H
		5240	101.62	-	-	92.89	31.4	10.17	32.84	152	53	A	H
802.11n		5440.8	46.74	-27.26	74	37.63	31.7	10.38	32.97	152	53	P	H
HT20		5445.84	37.1	-16.9	54	27.99	31.7	10.38	32.97	152	53	A	H
CH 48		5078	49.12	-24.88	74	40.08	31.77	10.02	32.75	251	9	P	V
5240MHz		5000.26	38.36	-15.64	54	29.61	31.5	9.95	32.7	251	9	A	V
	*	5240	105.9	-	-	97.17	31.4	10.17	32.84	251	9	P	V
		5240	98.86	-	-	90.13	31.4	10.17	32.84	251	9	A	V
		5438.64	46.83	-27.17	74	37.72	31.7	10.38	32.97	251	9	P	V
		5441.28	37.1	-16.9	54	27.99	31.7	10.38	32.97	251	9	A	V

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

5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		10360	49.67	-18.63	68.3	51.83	39.67	11.56	53.39	152	260	P	H
HT20		15540	50.11	-23.89	74	48.78	38.5	14.74	51.91	189	238	P	H
CH 36		10360	48.99	-19.31	68.3	51.15	39.67	11.56	53.39	152	260	P	V
5180MHz		15540	50.46	-23.54	74	49.13	38.5	14.74	51.91	189	238	P	V
802.11n		10440	49.44	-18.86	68.3	51.48	39.8	11.61	53.45	150	230	P	H
HT20		15660	48.37	-25.63	74	47.35	38.2	14.78	51.96	160	225	P	H
CH 44		10440	49.08	-19.22	68.3	51.12	39.8	11.61	53.45	150	230	P	V
5220MHz		15660	48.57	-25.43	74	47.55	38.2	14.78	51.96	160	225	P	V
802.11n		10480	47.62	-20.68	68.3	49.7	39.8	11.61	53.49	150	289	P	H
HT20		15720	49.18	-24.82	74	48.45	37.98	14.74	51.99	150	291	P	H
CH 48		10480	49.6	-18.7	68.3	51.68	39.8	11.61	53.49	150	289	P	V
5240MHz		15720	47.52	-26.48	74	46.79	37.98	14.74	51.99	150	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5141.7	59.75	-14.25	74	50.57	31.9	10.06	32.78	128	8	P	H
		5150	50.69	-3.31	54	41.52	31.9	10.06	32.79	128	8	A	H
	*	5190	103.09	-	-	94.11	31.7	10.09	32.81	128	8	P	H
		5190	95.34	-	-	86.36	31.7	10.09	32.81	128	8	A	H
		5430.04	47.4	-26.6	74	38.29	31.7	10.38	32.97	128	8	P	H
		5442.36	37.4	-16.6	54	28.29	31.7	10.38	32.97	128	8	A	H
		5148.2	59.45	-14.55	74	50.28	31.9	10.06	32.79	159	14	P	V
		5150	49.99	-4.01	54	40.82	31.9	10.06	32.79	159	14	A	V
		5190	101.12	-	-	92.14	31.7	10.09	32.81	159	14	P	V
		5190	93.83	-	-	84.85	31.7	10.09	32.81	159	14	A	V
		5416.04	47.88	-26.12	74	38.79	31.7	10.34	32.95	159	14	P	V
		5443.2	37.43	-16.57	54	28.32	31.7	10.38	32.97	159	14	A	V
802.11n HT40 CH 46 5230MHz		5148.98	51.06	-22.94	74	42.61	31.9	9.34	32.79	127	2	P	H
		5150	43.06	-10.94	54	34.61	31.9	9.34	32.79	127	2	A	H
	*	5230	104.68	-	-	96.58	31.4	9.54	32.84	127	2	P	H
		5230	98.31	-	-	90.21	31.4	9.54	32.84	127	2	A	H
		5444.88	47.48	-26.52	74	38.88	31.7	9.87	32.97	127	2	P	H
		5350.08	37.72	-16.28	54	29.54	31.3	9.8	32.92	127	2	A	H
		5136.5	59.94	-14.06	74	51.54	31.87	9.31	32.78	159	12	P	V
		5143.26	47.18	-6.82	54	38.72	31.9	9.34	32.78	159	12	A	V
	*	5230	104.72	-	-	96.62	31.4	9.54	32.84	159	12	P	V
		5230	98.22	-	-	90.12	31.4	9.54	32.84	159	12	A	V
		5353.92	49.65	-24.35	74	41.47	31.3	9.8	32.92	159	12	P	V
		5350.08	38.61	-15.39	54	30.43	31.3	9.8	32.92	159	12	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		10380	48.82	-19.48	68.3	50.91	39.73	11.59	53.41	150	360	P	H
HT40		15570	49.27	-24.73	74	48.01	38.4	14.79	51.93	155	360	P	H
CH 38		10380	47.96	-20.34	68.3	50.05	39.73	11.59	53.41	150	360	P	V
5190MHz		15570	49.52	-24.48	74	48.26	38.4	14.79	51.93	155	360	P	V
802.11n		10460	48.39	-19.91	68.3	50.44	39.8	11.61	53.46	150	360	P	H
HT40		15690	49.09	-24.91	74	48.2	38.13	14.74	51.98	150	225	P	H
CH 46		10460	48.93	-19.37	68.3	50.98	39.8	11.61	53.46	150	360	P	V
5230MHz		15690	48.79	-25.21	74	47.9	38.13	14.74	51.98	150	225	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5148.98	59.12	-14.88	74	49.95	31.9	10.06	32.79	125	24	P	H
		5148.98	50.34	-3.66	54	41.17	31.9	10.06	32.79	125	24	A	H
	*	5210	100.94	-	-	92.14	31.5	10.13	32.83	125	24	P	H
		5210	95.03	-	-	86.23	31.5	10.13	32.83	125	24	A	H
802.11ac		5447.52	47.12	-26.88	74	38.01	31.7	10.38	32.97	125	24	P	H
VHT80		5443.2	37.53	-16.47	54	28.42	31.7	10.38	32.97	125	24	A	H
CH 42		5147.94	58.85	-15.15	74	49.68	31.9	10.06	32.79	167	7	P	V
5210MHz		5149.76	47.95	-6.05	54	38.78	31.9	10.06	32.79	167	7	A	V
	*	5210	98.88	-	-	90.08	31.5	10.13	32.83	167	7	P	V
		5210	90.92	-	-	82.12	31.5	10.13	32.83	167	7	A	V
		5432.64	46.74	-27.26	74	37.63	31.7	10.38	32.97	167	7	P	V
		5457.6	37.45	-16.55	54	28.35	31.7	10.38	32.98	167	7	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10420	48.6	-19.7	68.3	50.62	39.8	11.61	53.43	150	230	P	H
VHT80		15630	49.67	-24.33	74	48.6	38.23	14.8	51.96	160	225	P	H
CH 42		10420	48.77	-19.53	68.3	50.79	39.8	11.61	53.43	150	230	P	V
5210MHz		15630	50.79	-23.21	74	49.72	38.23	14.8	51.96	160	225	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5146.9	48.29	-25.71	74	39.12	31.9	10.06	32.79	117	13	P	H
		5135.2	39.21	-14.79	54	30.06	31.87	10.06	32.78	117	13	A	H
	*	5260	108.03	-	-	99.42	31.3	10.17	32.86	117	13	P	H
		5260	101.77	-	-	93.16	31.3	10.17	32.86	117	13	A	H
		5370.96	45.69	-28.31	74	36.88	31.43	10.3	32.92	117	13	P	H
		5419.92	38.13	-15.87	54	29.04	31.7	10.34	32.95	117	13	A	H
		5042.9	48.11	-25.89	74	39.15	31.7	9.99	32.73	212	22	P	V
		5000.52	39.27	-14.73	54	30.52	31.5	9.95	32.7	212	22	A	V
	*	5260	105.55	-	-	96.94	31.3	10.17	32.86	212	22	P	V
		5260	99.33	-	-	90.72	31.3	10.17	32.86	212	22	A	V
		5448.48	46.04	-27.96	74	36.93	31.7	10.38	32.97	212	22	P	V
		5437.92	38.04	-15.96	54	28.93	31.7	10.38	32.97	212	22	A	V
802.11a CH 60 5300MHz		5132.3	48.47	-25.53	74	39.32	31.87	10.06	32.78	200	7	P	H
		5004.2	39.8	-14.2	54	30.98	31.57	9.95	32.7	200	7	A	H
	*	5300	108.5	-	-	99.88	31.3	10.21	32.89	200	7	P	H
		5300	100.76	-	-	92.14	31.3	10.21	32.89	200	7	A	H
		5366.4	46.17	-27.83	74	37.36	31.43	10.3	32.92	200	7	P	H
		5350.08	38.51	-15.49	54	29.83	31.3	10.3	32.92	200	7	A	H
		5063.7	47.96	-26.04	74	38.97	31.73	9.99	32.73	132	18	P	V
		5091	39.46	-14.54	54	30.39	31.8	10.02	32.75	132	18	A	V
	*	5300	104.62	-	-	96	31.3	10.21	32.89	132	18	P	V
		5300	97.63	-	-	89.01	31.3	10.21	32.89	132	18	A	V
		5358.48	46.13	-27.87	74	37.45	31.3	10.3	32.92	132	18	P	V
		5443.92	38.33	-15.67	54	29.22	31.7	10.38	32.97	132	18	A	V

802.11a CH 64 5320MHz	*	5320	107.92	-	-	99.25	31.3	10.26	32.89	110	12	P	H
		5320	101.19	-	-	92.52	31.3	10.26	32.89	110	12	A	H
		5350.4	51.4	-22.6	74	42.72	31.3	10.3	32.92	110	12	P	H
		5350.24	45.74	-8.26	54	37.06	31.3	10.3	32.92	110	12	A	H
	*	5320	105.24	-	-	96.57	31.3	10.26	32.89	132	8	P	V
		5320	98.2	-	-	89.53	31.3	10.26	32.89	132	8	A	V
		5454.72	46.38	-27.62	74	37.28	31.7	10.38	32.98	132	8	P	V
		5350.08	40.05	-13.95	54	31.37	31.3	10.3	32.92	132	8	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	47.99	-20.31	68.3	50.02	39.8	11.65	53.48	150	220	P	H
		15780	47.79	-26.21	74	47.39	37.63	14.78	52.01	159	345	P	H
		10520	48.07	-20.23	68.3	50.1	39.8	11.65	53.48	150	220	P	V
		15780	47.41	-26.59	74	47.01	37.63	14.78	52.01	159	345	P	V
802.11a CH 60 5300MHz		10600	47.76	-26.24	74	49.48	39.8	11.86	53.38	185	215	P	H
		15900	47.49	-26.51	74	47.29	37.4	14.86	52.06	196	190	P	H
		10600	48.5	-25.5	74	50.22	39.8	11.86	53.38	185	215	P	V
		15900	47.83	-26.17	74	47.63	37.4	14.86	52.06	196	190	P	V
802.11a CH 64 5320MHz		10640	48.29	-25.71	74	49.99	39.8	11.83	53.33	152	135	P	H
		15960	48.3	-25.7	74	48.1	37.4	14.89	52.09	173	245	P	H
		10640	49.17	-24.83	74	50.87	39.8	11.83	53.33	152	135	P	V
		15960	48.17	-25.83	74	47.97	37.4	14.89	52.09	173	245	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5089.96	48.22	-25.78	74	39.15	31.8	10.02	32.75	180	360	P	H
		5135.46	38.77	-15.23	54	29.62	31.87	10.06	32.78	180	360	A	H
	*	5260	107.89	-	-	99.28	31.3	10.17	32.86	180	360	P	H
		5260	101.29	-	-	92.68	31.3	10.17	32.86	180	360	A	H
802.11n		5370	45.95	-28.05	74	37.14	31.43	10.3	32.92	180	360	P	H
HT20		5445.36	37.56	-16.44	54	28.45	31.7	10.38	32.97	180	360	A	H
CH 52		5099.32	48.37	-25.63	74	39.31	31.8	10.02	32.76	121	16	P	V
5260MHz		5137.02	38.8	-15.2	54	29.65	31.87	10.06	32.78	121	16	P	V
	*	5260	106.14	-	-	97.53	31.3	10.17	32.86	121	16	P	V
		5260	99.64	-	-	91.03	31.3	10.17	32.86	121	16	A	V
		5442	47.65	-26.35	74	38.54	31.7	10.38	32.97	121	16	P	V
		5444.88	37.62	-16.38	54	28.51	31.7	10.38	32.97	121	16	A	V
		5030.45	48.24	-25.76	74	39.38	31.63	9.95	32.72	155	3	P	H
		5094.85	38.7	-15.3	54	29.64	31.8	10.02	32.76	155	3	A	H
	*	5300	108.21	-	-	99.59	31.3	10.21	32.89	155	3	P	H
		5300	101.48	-	-	92.86	31.3	10.21	32.89	155	3	A	H
802.11n		5353.92	47.52	-26.48	74	38.84	31.3	10.3	32.92	155	3	P	H
HT20		5350.08	38.99	-15.01	54	30.31	31.3	10.3	32.92	155	3	A	H
CH 60		5027.3	47.91	-26.09	74	39.05	31.63	9.95	32.72	132	0	P	V
5300MHz		5027.3	39.34	-14.66	54	30.48	31.63	9.95	32.72	132	0	A	V
	*	5300	105.62	-	-	97	31.3	10.21	32.89	132	0	P	V
		5300	98.63	-	-	90.01	31.3	10.21	32.89	132	0	A	V
		5389.44	45.07	-28.93	74	36.1	31.57	10.34	32.94	132	0	P	V
		5388.24	38.13	-15.87	54	29.16	31.57	10.34	32.94	132	0	A	V

802.11n HT20 CH 64 5320MHz	*	5320	108.43	-	-	99.76	31.3	10.26	32.89	136	3	P	H
		5320	100.56	-	-	91.89	31.3	10.26	32.89	136	3	A	H
		5350.56	51.42	-22.58	74	42.74	31.3	10.3	32.92	136	3	P	H
		5350.08	45.27	-8.73	54	36.59	31.3	10.3	32.92	136	3	A	H
	*	5320	105.46	-	-	96.79	31.3	10.26	32.89	132	8	P	V
		5320	98.53	-	-	89.86	31.3	10.26	32.89	132	8	A	V
		5428.16	44.29	-29.71	74	35.18	31.7	10.38	32.97	132	8	P	V
		5354.08	40.32	-13.68	54	31.64	31.3	10.3	32.92	132	8	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		10520	47.38	-20.92	68.3	49.41	39.8	11.65	53.48	150	220	P	H
HT20		15780	48.06	-25.94	74	47.66	37.63	14.78	52.01	159	345	P	H
CH 52		10520	47.76	-20.54	68.3	49.79	39.8	11.65	53.48	150	220	P	V
5260MHz		15780	47.28	-26.72	74	46.88	37.63	14.78	52.01	159	345	P	V
802.11n		10600	49.57	-24.43	74	51.29	39.8	11.86	53.38	185	215	P	H
HT20		15900	48.73	-25.27	74	48.53	37.4	14.86	52.06	196	190	P	H
CH 60		10600	48.47	-25.53	74	50.19	39.8	11.86	53.38	185	215	P	V
5300MHz		15900	47.51	-26.49	74	47.31	37.4	14.86	52.06	196	190	P	V
802.11n		10640	48.84	-25.16	74	50.54	39.8	11.83	53.33	152	135	P	H
HT20		15960	47.95	-26.05	74	47.75	37.4	14.89	52.09	173	245	P	H
CH 64		10640	47.82	-26.18	74	49.52	39.8	11.83	53.33	152	135	P	V
5320MHz		15960	47.4	-26.6	74	47.2	37.4	14.89	52.09	173	245	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5085.05	48.18	-25.82	74	39.94	31.77	9.22	32.75	147	7	P	H
		5150	39.42	-14.58	54	30.97	31.9	9.34	32.79	147	7	A	H
	*	5270	103.54	-	-	95.44	31.3	9.66	32.86	147	7	P	H
		5270	96.66	-	-	88.56	31.3	9.66	32.86	147	7	A	H
		5370.24	47.31	-26.69	74	39	31.43	9.8	32.92	147	7	P	H
		5350.32	38.9	-15.1	54	30.72	31.3	9.8	32.92	147	7	A	H
		5138.6	49.32	-24.68	74	40.92	31.87	9.31	32.78	156	5	P	V
		5149.8	39.02	-14.98	54	30.57	31.9	9.34	32.79	156	5	A	V
	*	5270	102.76	-	-	94.66	31.3	9.66	32.86	156	5	P	V
		5270	95.46	-	-	87.36	31.3	9.66	32.86	156	5	A	V
		5353.92	48.02	-25.98	74	39.84	31.3	9.8	32.92	156	5	P	V
		5352.48	38.27	-15.73	54	30.09	31.3	9.8	32.92	156	5	A	V
802.11n HT40 CH 62 5310MHz		5019.95	49.2	-24.8	74	41.26	31.57	9.09	32.72	105	8	P	H
		5135.8	38.11	-15.89	54	29.71	31.87	9.31	32.78	105	8	A	H
	*	5310	103.87	-	-	95.68	31.3	9.78	32.89	105	8	P	H
		5310	95.88	-	-	87.69	31.3	9.78	32.89	105	8	A	H
		5351.76	59.1	-14.9	74	50.92	31.3	9.8	32.92	105	8	P	H
		5350	50.77	-3.23	54	42.59	31.3	9.8	32.92	105	8	P	H
		5145.6	46.75	-27.25	74	38.3	31.9	9.34	32.79	153	15	P	V
		5100.8	37.78	-16.22	54	29.49	31.8	9.25	32.76	153	15	A	V
	*	5310	101.57	-	-	93.38	31.3	9.78	32.89	153	15	P	V
		5310	93.82	-	-	85.63	31.3	9.78	32.89	153	15	A	V
		5350.56	52.05	-21.95	74	43.87	31.3	9.8	32.92	153	15	P	V
		5350.08	46.16	-7.84	54	37.98	31.3	9.8	32.92	153	15	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		10540	48.33	-19.97	68.3	50.3	39.8	11.69	53.46	150	220	P	H
HT40		15810	48.81	-25.19	74	48.62	37.4	14.81	52.02	168	345	P	H
CH 54		10540	48.49	-19.81	68.3	50.46	39.8	11.69	53.46	150	220	P	V
5270MHz		15810	48.33	-25.67	74	48.14	37.4	14.81	52.02	168	345	P	V
802.11n		10620	47.89	-26.11	74	49.6	39.8	11.85	53.36	150	220	P	H
HT40		15930	48.46	-25.54	74	48.25	37.4	14.88	52.07	160	100	P	H
CH 62		10620	48.22	-25.78	74	49.93	39.8	11.85	53.36	150	220	P	V
5310MHz		15930	48.22	-25.78	74	48.01	37.4	14.88	52.07	160	100	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.8	50.33	-23.67	74	41.16	31.9	10.06	32.79	109	37	P	H
		5149.8	41.81	-12.19	54	32.64	31.9	10.06	32.79	109	37	A	H
	*	5290	99.5	-	-	90.86	31.3	10.21	32.87	109	37	P	H
		5290	92.74	-	-	84.1	31.3	10.21	32.87	109	37	A	H
802.11ac		5353.2	54	-20	74	45.32	31.3	10.3	32.92	109	37	P	H
VHT80		5350.08	46.19	-7.81	54	37.51	31.3	10.3	32.92	109	37	A	H
CH 58		5126.7	49.25	-24.75	74	40.1	31.87	10.06	32.78	193	0	P	V
5290MHz		5149.8	39.59	-14.41	54	30.42	31.9	10.06	32.79	193	0	A	V
	*	5290	96.91	-	-	88.27	31.3	10.21	32.87	193	0	P	V
		5290	90.77	-	-	82.13	31.3	10.21	32.87	193	0	A	V
		5352.72	50.2	-23.8	74	41.52	31.3	10.3	32.92	193	0	P	V
		5350.32	43.35	-10.65	54	34.67	31.3	10.3	32.92	193	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10580	49.26	-19.04	68.3	51.04	39.8	11.82	53.4	186	41	P	H
VHT80		15870	47.87	-26.13	74	47.67	37.4	14.85	52.05	156	156	P	H
CH 58		10580	48.62	-19.68	68.3	50.4	39.8	11.82	53.4	186	41	P	V
5290MHz		15870	47.89	-26.11	74	47.69	37.4	14.85	52.05	156	156	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5459.76	56.37	-17.63	74	47.27	31.7	10.38	32.98	119	2	P	H
		5469.84	59.91	-8.39	68.3	50.69	31.77	10.43	32.98	119	2	P	H
		5460	46.98	-7.02	54	37.88	31.7	10.38	32.98	119	2	P	H
	*	5500	109.2	-	-	99.87	31.9	10.43	33	119	2	P	H
		5500	103.49	-	-	94.16	31.9	10.43	33	119	2	A	H
		5458	51.65	-22.35	74	42.55	31.7	10.38	32.98	180	1	P	V
		5469.04	60.32	-7.98	68.3	51.1	31.77	10.43	32.98	180	1	P	V
		5458.64	43.72	-10.28	54	34.62	31.7	10.38	32.98	180	1	P	V
	*	5500	105.76	-	-	96.43	31.9	10.43	33	180	1	P	V
		5500	99.45	-	-	90.12	31.9	10.43	33	180	1	A	V
802.11a CH 116 5580MHz		5445.28	46.39	-27.61	74	37.28	31.7	10.38	32.97	123	3	P	H
		5467.84	46.12	-22.18	68.3	36.9	31.77	10.43	32.98	123	3	P	H
		5459.44	37.77	-16.23	54	28.67	31.7	10.38	32.98	123	3	A	H
	*	5580	109.52	-	-	100.23	31.73	10.52	32.96	123	3	P	H
		5580	103.14	-	-	93.85	31.73	10.52	32.96	123	3	A	H
		5741.69	47.05	-21.25	68.3	37.23	32.1	10.62	32.9	123	3	P	H
		5367.04	47.1	-26.9	74	38.29	31.43	10.3	32.92	200	2	P	V
		5461.6	45.93	-22.37	68.3	36.83	31.7	10.38	32.98	200	2	P	V
		5459.44	37.69	-16.31	54	28.59	31.7	10.38	32.98	200	2	A	V
	*	5580	106.81	-	-	97.52	31.73	10.52	32.96	200	2	P	V
		5580	99.39	-	-	90.1	31.73	10.52	32.96	200	2	A	V
		5751.14	46.97	-21.33	68.3	37.15	32.1	10.62	32.9	200	2	P	V

802.11a CH 140 5700MHz	*	5700	109.22	-	-	99.53	32	10.61	32.92	127	354	P	H
		5700	105.71	-	-	96.02	32	10.61	32.92	127	354	A	H
		5725	65.05	-3.25	68.3	55.28	32.07	10.61	32.91	127	354	P	H
	*	5700	103.84	-	-	94.15	32	10.61	32.92	194	348	P	V
		5700	98.29	-	-	88.6	32	10.61	32.92	194	348	A	V
		5725.4	59.43	-8.87	68.3	49.66	32.07	10.61	32.91	194	348	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	50.77	-23.23	74	51.56	40.1	12.01	52.9	163	230	P	H
		16500	50.99	-17.31	68.3	48.92	38.5	15.27	51.7	178	296	P	H
		11000	50.71	-23.29	74	51.5	40.1	12.01	52.9	163	230	P	V
		16500	50.51	-17.79	68.3	48.44	38.5	15.27	51.7	178	296	P	V
802.11a CH 116 5580MHz		11160	49.95	-24.05	74	50.98	39.67	12.1	52.8	170	200	P	H
		16740	49.86	-18.44	68.3	46.54	39.9	15.41	51.99	156	350	P	H
		11160	49.03	-24.97	74	50.06	39.67	12.1	52.8	170	200	P	V
		16740	49.97	-18.33	68.3	46.65	39.9	15.41	51.99	156	350	P	V
802.11a CH 140 5700MHz		11400	49.56	-24.44	74	50.13	39.9	12.19	52.66	157	285	P	H
		17100	50.19	-18.11	68.3	46.94	40.2	15.45	52.4	165	246	P	H
		11400	50.02	-23.98	74	50.59	39.9	12.19	52.66	157	285	P	V
		17100	50.3	-18	68.3	47.05	40.2	15.45	52.4	165	246	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.12	50.93	-23.07	74	42.31	31.7	9.9	32.98	107	8	P	H
		5469.04	54.33	-13.97	68.3	45.62	31.77	9.92	32.98	107	8	P	H
		5460	44.13	-9.87	54	35.51	31.7	9.9	32.98	107	8	A	H
802.11n	*	5500	107.17	-	-	98.3	31.9	9.97	33	107	8	P	H
HT20		5500	101.99	-	-	93.12	31.9	9.97	33	107	8	A	H
CH 100		5459.6	51.07	-22.93	74	42.45	31.7	9.9	32.98	148	7	P	V
5500MHz		5469.36	56.88	-11.42	68.3	48.17	31.77	9.92	32.98	148	7	P	V
		5458.16	42.17	-11.83	54	33.55	31.7	9.9	32.98	148	7	A	V
	*	5500	105.8	-	-	96.93	31.9	9.97	33	148	7	P	V
		5500	99.1	-	-	90.23	31.9	9.97	33	148	7	A	V
		5378.8	47.06	-26.94	74	38.62	31.57	9.81	32.94	113	5	P	H
		5465.92	45.44	-22.86	68.3	36.73	31.77	9.92	32.98	113	5	P	H
		5459.68	37.18	-16.82	54	28.56	31.7	9.9	32.98	113	5	A	H
	*	5580	109.89	-	-	100.91	31.73	10.21	32.96	113	5	P	H
802.11n		5580	103.23	-	-	94.25	31.73	10.21	32.96	113	5	A	H
HT20		5734.13	47.25	-21.05	68.3	37.64	32.07	10.44	32.9	113	5	P	H
CH 116		5416.72	46.7	-27.3	74	38.11	31.7	9.84	32.95	147	10	P	V
5580MHz		5463.28	46.35	-21.95	68.3	37.64	31.77	9.92	32.98	147	10	P	V
		5459.68	37.16	-16.84	54	28.54	31.7	9.9	32.98	147	10	A	V
	*	5580	104.43	-	-	95.45	31.73	10.21	32.96	147	10	P	V
		5580	98.61	-	-	89.63	31.73	10.21	32.96	147	10	A	V
		5753.66	46.21	-22.09	68.3	36.43	32.13	10.55	32.9	147	10	P	V

	*	5700	108.63	-	-	99.23	32	10.32	32.92	124	355	P	H
802.11n		5700	102.26	-	-	92.86	32	10.32	32.92	124	355	A	H
HT20		5727.72	62.22	-6.08	68.3	52.62	32.07	10.44	32.91	124	355	P	H
CH 140	*	5700	103.83	-	-	94.43	32	10.32	32.92	129	8	P	V
5700MHz		5700	96.05	-	-	86.65	32	10.32	32.92	129	8	A	V
		5725.4	58.68	-9.62	68.3	49.08	32.07	10.44	32.91	129	8	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		11000	51.1	-22.9	74	51.89	40.1	12.01	52.9	163	230	P	H
HT20		16500	50.17	-18.13	68.3	48.1	38.5	15.27	51.7	178	296	P	H
CH 100		11000	49.27	-24.73	74	50.06	40.1	12.01	52.9	163	230	P	V
5500MHz		16500	50.35	-17.95	68.3	48.28	38.5	15.27	51.7	178	296	P	V
802.11n		11160	50.81	-23.19	74	51.84	39.67	12.1	52.8	170	200	P	H
HT20		16740	53.06	-15.24	68.3	49.74	39.9	15.41	51.99	156	350	P	H
CH 116		11160	49.94	-24.06	74	50.97	39.67	12.1	52.8	170	200	P	V
5580MHz		16740	50.42	-17.88	68.3	47.1	39.9	15.41	51.99	156	350	P	V
802.11n		11400	50.05	-23.95	74	50.62	39.9	12.19	52.66	157	285	P	H
HT20		17100	50.63	-17.67	68.3	47.38	40.2	15.45	52.4	165	246	P	H
CH 140		11400	49.35	-24.65	74	49.92	39.9	12.19	52.66	157	285	P	V
5700MHz		17100	49.77	-18.53	68.3	46.52	40.2	15.45	52.4	165	246	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.92	57.63	-16.37	74	49.01	31.7	9.9	32.98	113	0	P	H
		5470	65.26	-3.04	68.3	56.55	31.77	9.92	32.98	113	0	P	H
		5460	50.59	-3.41	54	41.97	31.7	9.9	32.98	113	0	A	H
	*	5510	104.59	-	-	95.71	31.9	9.97	32.99	113	0	P	H
802.11n		5510	98.25	-	-	89.37	31.9	9.97	32.99	113	0	A	H
HT40		5759.96	46.92	-21.38	68.3	37.13	32.13	10.55	32.89	113	0	P	H
CH 102		5459.2	58.56	-15.44	74	49.94	31.7	9.9	32.98	158	13	P	V
5510MHz		5470	62.43	-5.87	68.3	53.72	31.77	9.92	32.98	158	13	P	V
		5459.92	50.36	-3.64	54	41.74	31.7	9.9	32.98	158	13	A	V
	*	5510	102.5	-	-	93.62	31.9	9.97	32.99	158	13	P	V
		5510	95.41	-	-	86.53	31.9	9.97	32.99	158	13	A	V
		5761.535	46.53	-21.77	68.3	36.74	32.13	10.55	32.89	158	13	P	V
		5449.36	49.14	-24.86	74	40.51	31.7	9.9	32.97	103	10	P	H
		5470	52.03	-16.27	68.3	43.32	31.77	9.92	32.98	103	10	P	H
		5459.92	42.62	-11.38	54	34	31.7	9.9	32.98	103	10	A	H
	*	5550	105.38	-	-	96.51	31.7	10.15	32.98	103	10	P	H
802.11n		5550	98.99	-	-	90.12	31.7	10.15	32.98	103	10	A	H
HT40		5752.085	47.66	-20.64	68.3	37.88	32.13	10.55	32.9	103	10	P	H
CH 110		5459.2	49.36	-24.64	74	40.74	31.7	9.9	32.98	157	15	P	V
5550MHz		5467.12	51.94	-16.36	68.3	43.23	31.77	9.92	32.98	157	15	P	V
		5459.92	41.06	-12.94	54	32.44	31.7	9.9	32.98	157	15	A	V
	*	5550	103.07	-	-	94.2	31.7	10.15	32.98	157	15	P	V
		5550	96.72	-	-	87.85	31.7	10.15	32.98	157	15	A	V
		5733.185	47.09	-21.21	68.3	37.48	32.07	10.44	32.9	202	2	P	V

		5441	48.18	-25.82	74	39.58	31.7	9.87	32.97	103	10	P	H
		5467.25	46.95	-21.35	68.3	38.24	31.77	9.92	32.98	103	10	P	H
		5457.1	37.3	-16.7	54	28.68	31.7	9.9	32.98	103	10	A	H
	*	5670	108.25	-	-	99.01	31.85	10.32	32.93	103	10	P	H
802.11n		5670	102.71	-	-	93.47	31.85	10.32	32.93	103	10	A	H
HT40		5728.95	64.56	-3.74	68.3	54.96	32.07	10.44	32.91	103	10	P	H
CH 134		5413.35	46.11	-27.89	74	37.52	31.7	9.84	32.95	154	13	P	V
5670MHz		5461.3	44.83	-23.47	68.3	36.21	31.7	9.9	32.98	154	13	P	V
		5459.55	37.17	-16.83	54	28.55	31.7	9.9	32.98	154	13	A	V
	*	5670	103.16	-	-	93.92	31.85	10.32	32.93	154	13	P	V
		5670	96.83	-	-	87.59	31.85	10.32	32.93	154	13	A	V
		5726.675	56.32	-11.98	68.3	46.72	32.07	10.44	32.91	154	13	P	V

Remark

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

5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		11020	50.31	-23.69	74	50.84	39.83	12.34	52.7	200	360	P	H
HT40		16530	50.65	-17.65	68.3	46.85	40.53	15.59	52.32	200	360	P	H
CH 102		11020	49.75	-24.25	74	50.28	39.83	12.34	52.7	200	360	P	V
5510MHz		16530	50.2	-18.1	68.3	46.4	40.53	15.59	52.32	200	360	P	V
802.11n		11100	49.75	-24.25	74	50.62	39.8	12.17	52.84	150	200	P	H
HT40		16650	50.4	-17.9	68.3	47.56	39.45	15.28	51.89	180	350	P	H
CH 110		11100	50.52	-23.48	74	51.39	39.8	12.17	52.84	150	200	P	V
5550MHz		16650	50.6	-17.7	68.3	47.76	39.45	15.28	51.89	180	350	P	V
802.11n		11340	50.31	-23.69	74	50.84	39.83	12.34	52.7	200	360	P	H
HT40		17010	49.65	-18.65	68.3	45.85	40.53	15.59	52.32	200	360	P	H
CH 134		11340	48.75	-25.25	74	49.28	39.83	12.34	52.7	200	360	P	V
5670MHz		17010	50.2	-18.1	68.3	46.4	40.53	15.59	52.32	200	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.32	58.54	-15.46	74	49.92	31.7	9.9	32.98	160	11	P	H
		5469.28	59.75	-8.55	68.3	51.04	31.77	9.92	32.98	160	11	P	H
		5458.24	49.54	-4.46	54	40.92	31.7	9.9	32.98	160	11	A	H
	*	5530	101.65	-	-	92.77	31.83	10.03	32.98	160	11	P	H
802.11ac		5530	94	-	-	85.12	31.83	10.03	32.98	160	11	A	H
VHT80		5725.31	47.8	-20.5	68.3	38.2	32.07	10.44	32.91	160	11	P	H
CH 106		5459.2	57.27	-16.73	74	48.65	31.7	9.9	32.98	167	0	P	V
5530MHz		5465.44	56.73	-11.57	68.3	48.02	31.77	9.92	32.98	167	0	P	V
		5459.68	46.65	-7.35	54	38.03	31.7	9.9	32.98	167	0	A	V
	*	5530	97.95	-	-	89.07	31.83	10.03	32.98	167	0	P	V
		5530	92.11	-	-	83.23	31.83	10.03	32.98	167	0	A	V
		5743.265	47.62	-20.68	68.3	37.93	32.1	10.49	32.9	167	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11060	50.31	-23.69	74	51.15	39.9	12.12	52.86	150	200	P	H
VHT80		16590	49.39	-18.91	68.3	47.02	38.92	15.25	51.8	180	350	P	H
CH 106		11060	49.55	-24.45	74	50.39	39.9	12.12	52.86	150	200	P	V
5530MHz		16590	50.42	-17.88	68.3	48.05	38.92	15.25	51.8	180	350	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ac VHT160 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT160 CH 50 5250MHz		5108.94	61.87	-12.13	74	52.78	31.83	10.02	32.76	171	45	P	H
		5145.86	50.94	-3.06	54	41.77	31.9	10.06	32.79	171	45	A	H
		5250	96.19	-	-	87.58	31.3	10.17	32.86	171	45	P	H
	*	5250	89.85	-	-	81.24	31.3	10.17	32.86	171	45	A	H
		5357.52	55.89	-18.11	74	47.21	31.3	10.3	32.92	171	45	P	H
		5355.6	45.95	-8.05	54	37.27	31.3	10.3	32.92	171	45	A	H
		5109.72	59.76	-14.24	74	50.67	31.83	10.02	32.76	182	15	P	V
		5147.94	48.95	-5.05	54	39.78	31.9	10.06	32.79	182	15	A	V
		5250	94.86	-	-	86.25	31.3	10.17	32.86	182	15	P	V
	*	5250	88.72	-	-	80.11	31.3	10.17	32.86	182	15	A	V
		5356.8	53.62	-20.38	74	44.94	31.3	10.3	32.92	182	15	P	V
		5350.8	45.04	-8.96	54	36.36	31.3	10.3	32.92	182	15	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ac VHT160 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable 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	48.55	-19.75	68.3	50.64	39.8	11.61	53.5	155	289	P	H
		15750	48.67	-25.33	74	48.15	37.75	14.77	52	102	255	P	H
		10500	48.7	-19.6	68.3	50.79	39.8	11.61	53.5	155	289	P	V
		15750	49.18	-24.82	74	48.66	37.75	14.77	52	102	255	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ax HE160 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5145.08	63.37	-10.63	74	54.2	31.9	10.06	32.79	172	59	P	H
		5145.86	50.71	-3.29	54	41.54	31.9	10.06	32.79	172	59	P	H
		5250	96.84	-	-	88.23	31.3	10.17	32.86	172	59	P	H
	*	5250	90.96	-	-	82.35	31.3	10.17	32.86	172	59	A	H
802.11ax		5351.28	53.16	-20.84	74	44.48	31.3	10.3	32.92	172	59	P	H
HE160		5355.36	44.57	-9.43	54	35.89	31.3	10.3	32.92	172	59	A	H
CH 50		5137.8	60.74	-13.26	74	51.59	31.87	10.06	32.78	184	15	P	V
5250MHz		5148.46	49.4	-4.6	54	40.23	31.9	10.06	32.79	184	15	A	V
		5250	94.91	-	-	86.3	31.3	10.17	32.86	184	15	P	V
	*	5250	87.55	-	-	78.94	31.3	10.17	32.86	184	15	A	V
		5353.2	53.27	-20.73	74	44.59	31.3	10.3	32.92	184	15	P	V
		5350.32	45.56	-8.44	54	36.88	31.3	10.3	32.92	184	15	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ax HE160 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10500	48.66	-19.64	68.3	50.75	39.8	11.61	53.5	155	289	P	H
HE160		15750	47.93	-26.07	74	47.41	37.75	14.77	52	102	255	P	H
CH 50		10500	48.77	-19.53	68.3	50.86	39.8	11.61	53.5	155	289	P	V
5250MHz		15750	48.58	-25.42	74	48.06	37.75	14.77	52	102	255	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 LF		91.11	25.49	-18.01	43.5	41.63	15	0.96	32.1	-	-	P	H
		288.99	23.85	-22.15	46	34.74	19.06	1.77	31.72	-	-	P	H
		451.95	24.51	-21.49	46	30.46	23.14	2.2	31.29	-	-	P	H
		571.26	27.85	-18.15	46	29.99	26.18	2.5	30.82	-	-	P	H
		734.22	31.03	-14.97	46	31.28	27.94	2.82	31.01	100	230	P	H
		982.54	32.85	-21.15	54	29.85	30.9	3.28	31.18	-	-	P	H
		32.91	34.67	-5.33	40	42.92	23.6	0.55	32.4	100	230	P	V
		157.07	24.33	-19.17	43.5	38.53	16.7	1.28	32.18	-	-	P	V
		292.87	23.41	-22.59	46	34.18	19.16	1.78	31.71	-	-	P	V
		560.59	27.69	-18.31	46	29.56	26.5	2.48	30.85	-	-	P	V
		846.74	30.14	-15.86	46	29.41	29.08	3.04	31.39	-	-	P	V
		988.36	33.02	-20.98	54	30.23	30.62	3.29	31.12	-	-		V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

- 5150~5250MHz

WIFI 802.11ax HE20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5141.7	56.9	-17.1	74	47.72	31.9	10.06	32.78	144	0	P	H
		5150	50.62	-3.38	54	41.45	31.9	10.06	32.79	144	0	P	H
802.11ax	*	5180	110.56	-	-	101.58	31.7	10.09	32.81	144	0	P	H
HE20		5180	103.54	-	-	94.56	31.7	10.09	32.81	144	0	A	H
CH 36		5147.68	56.77	-17.23	74	47.6	31.9	10.06	32.79	172	13	P	V
5180MHz		5148.98	47.48	-6.52	54	38.31	31.9	10.06	32.79	172	13	A	V
	*	5180	107.74	-	-	98.76	31.7	10.09	32.81	172	13	P	V
		5180	101.11	-	-	92.13	31.7	10.09	32.81	172	13	A	V
		5144.04	49.07	-24.93	74	39.9	31.9	10.06	32.79	165	37	P	H
		5149.76	39.72	-14.28	54	30.55	31.9	10.06	32.79	165	37	A	H
	*	5220	108.89	-	-	100.09	31.5	10.13	32.83	165	37	P	H
		5220	102.49	-	-	93.69	31.5	10.13	32.83	165	37	A	H
802.11ax		5410.56	46.99	-27.01	74	37.9	31.7	10.34	32.95	165	37	P	H
HE20		5457.84	37.32	-16.68	54	28.22	31.7	10.38	32.98	165	37	A	H
CH 44		5111.28	49.65	-24.35	74	40.56	31.83	10.02	32.76	198	14	P	V
5220MHz		5149.76	38.7	-15.3	54	29.53	31.9	10.06	32.79	198	14	A	V
	*	5220	104.73	-	-	95.93	31.5	10.13	32.83	198	14	P	V
		5220	97.18	-	-	88.38	31.5	10.13	32.83	198	14	A	V
		5434.08	45.92	-28.08	74	36.81	31.7	10.38	32.97	198	14	P	V
		5443.44	37.31	-16.69	54	28.2	31.7	10.38	32.97	198	14	A	V

		5089.7	49.12	-24.88	74	40.05	31.8	10.02	32.75	172	37	P	H
		5150	38.91	-15.09	54	29.74	31.9	10.06	32.79	172	37	A	H
	*	5240	106.55	-	-	97.82	31.4	10.17	32.84	172	37	P	H
		5240	100.25	-	-	91.52	31.4	10.17	32.84	172	37	A	H
802.11ax		5432.4	46.68	-27.32	74	37.57	31.7	10.38	32.97	172	37	P	H
HE20		5459.28	37.3	-16.7	54	28.2	31.7	10.38	32.98	172	37	A	H
CH 48		5026.26	48.48	-25.52	74	39.62	31.63	9.95	32.72	209	5	P	V
5240MHz		5000.26	38.63	-15.37	54	29.88	31.5	9.95	32.7	209	5	A	V
	*	5240	104.35	-	-	95.62	31.4	10.17	32.84	209	5	P	V
		5240	97.7	-	-	88.97	31.4	10.17	32.84	209	5	A	V
		5402.64	45.9	-28.1	74	36.81	31.7	10.34	32.95	209	5	P	V
		5444.64	37.31	-16.69	54	28.2	31.7	10.38	32.97	209	5	A	V

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

5150~5250MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10360	48.09	-20.21	68.3	50.25	39.67	11.56	53.39	152	260	P	H
HE20		15540	49.93	-24.07	74	48.6	38.5	14.74	51.91	189	238	P	H
CH 36		10360	48.38	-19.92	68.3	50.54	39.67	11.56	53.39	152	260	P	V
5180MHz		15540	50.07	-23.93	74	48.74	38.5	14.74	51.91	189	238	P	V
802.11ax		10440	48.39	-19.91	68.3	50.43	39.8	11.61	53.45	150	230	P	H
HE20		15660	49.7	-24.3	74	48.68	38.2	14.78	51.96	160	225	P	H
CH 44		10440	47.85	-20.45	68.3	49.89	39.8	11.61	53.45	150	230	P	V
5220MHz		15660	50.66	-23.34	74	49.64	38.2	14.78	51.96	160	225	P	V
802.11ax		10480	49.35	-18.95	68.3	51.43	39.8	11.61	53.49	150	289	P	H
HE20		15720	47.67	-26.33	74	46.94	37.98	14.74	51.99	150	291	P	H
CH 48		10480	47.97	-20.33	68.3	50.05	39.8	11.61	53.49	150	289	P	V
5240MHz		15720	48.07	-25.93	74	47.34	37.98	14.74	51.99	150	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5150~5250MHz

WIFI 802.11ax HE40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.76	57.49	-16.51	74	49.04	31.9	9.34	32.79	140	3	P	H
		5150	50.73	-3.27	54	42.28	31.9	9.34	32.79	140	3	A	H
	*	5190	102.65	-	-	94.36	31.7	9.4	32.81	140	3	P	H
		5190	96.43	-	-	88.14	31.7	9.4	32.81	140	3	A	H
802.11ax		5422.76	46.93	-27.07	74	38.34	31.7	9.84	32.95	140	3	P	H
HE40		5442.92	37.04	-16.96	54	28.44	31.7	9.87	32.97	140	3	A	H
CH 38		5147.94	57.66	-16.34	74	49.21	31.9	9.34	32.79	203	10	P	V
5190MHz		5149.24	50.47	-3.53	54	42.02	31.9	9.34	32.79	203	10	A	V
		5190	101.23	-	-	92.94	31.7	9.4	32.81	209	10	P	V
		5190	92.85	-	-	84.56	31.7	9.4	32.81	209	10	A	V
		5355.84	47.51	-26.49	74	39.33	31.3	9.8	32.92	145	19	P	V
		5457.76	37.01	-16.99	54	28.39	31.7	9.9	32.98	145	19	A	V
		5149.24	52.56	-21.44	74	44.11	31.9	9.34	32.79	157	46	P	H
		5150	44.31	-9.69	54	35.86	31.9	9.34	32.79	157	46	A	H
	*	5230	106.96	-	-	98.86	31.4	9.54	32.84	157	46	P	H
		5230	100.42	-	-	92.32	31.4	9.54	32.84	157	46	A	H
802.11ax		5353.92	46.46	-27.54	74	38.28	31.3	9.8	32.92	157	46	P	H
HE40		5350.56	38.04	-15.96	54	29.86	31.3	9.8	32.92	157	46	A	H
CH 46		5120.64	47.97	-26.03	74	39.64	31.83	9.28	32.78	170	22	P	V
5230MHz		5150	40.29	-13.71	54	31.84	31.9	9.34	32.79	170	22	A	V
	*	5230	100.95	-	-	92.85	31.4	9.54	32.84	170	22	P	V
		5230	94.63	-	-	86.53	31.4	9.54	32.84	170	22	A	V
		5374.56	48	-26	74	39.71	31.43	9.8	32.94	170	22	P	V
		5442.96	37.06	-16.94	54	28.46	31.7	9.87	32.97	170	22	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5150~5250MHz

WIFI 802.11ax HE40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10480	49.35	-18.95	68.3	51.43	39.8	11.61	53.49	150	289	P	H
HE40		15720	47.67	-26.33	74	46.94	37.98	14.74	51.99	150	291	P	H
CH 38		10480	47.97	-20.33	68.3	50.05	39.8	11.61	53.49	150	289	P	V
5190MHz		15720	48.07	-25.93	74	47.34	37.98	14.74	51.99	150	291	P	V
802.11ax		10460	48.23	-20.07	68.3	50.28	39.8	11.61	53.46	150	360	P	H
HE40		15690	49.42	-24.58	74	48.53	38.13	14.74	51.98	150	225	P	H
CH 46		10460	49.95	-18.35	68.3	52	39.8	11.61	53.46	150	360	P	V
5230MHz		15690	49.53	-24.47	74	48.64	38.13	14.74	51.98	150	225	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5150~5250MHz

WIFI 802.11ax HE80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5145.34	59.06	-14.94	74	50.61	31.9	9.34	32.79	168	11	P	H
		5147.42	50.61	-3.39	54	42.16	31.9	9.34	32.79	168	11	A	H
	*	5210	100.7	-	-	92.54	31.5	9.49	32.83	168	11	P	H
		5210	93.79	-	-	85.63	31.5	9.49	32.83	168	11	A	H
802.11ax		5363.04	46.27	-27.73	74	37.96	31.43	9.8	32.92	168	11	P	H
HE80		5351.04	37.7	-16.3	54	29.52	31.3	9.8	32.92	168	11	A	H
CH 42		5143.26	56.4	-17.6	74	47.94	31.9	9.34	32.78	206	8	P	V
5210MHz		5150	47.93	-6.07	54	39.48	31.9	9.34	32.79	206	8	A	V
	*	5210	99.87	-	-	91.71	31.5	9.49	32.83	206	8	P	V
		5210	92.83	-	-	84.67	31.5	9.49	32.83	206	8	A	V
		5411.28	46.8	-27.2	74	38.23	31.7	9.82	32.95	206	8	P	V
		5443.92	37.05	-16.95	54	28.45	31.7	9.87	32.97	206	8	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5150~5250MHz

WIFI 802.11ax HE80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10420	48.83	-19.47	68.3	50.85	39.8	11.61	53.43	150	230	P	H
HE80		15630	50.11	-23.89	74	49.04	38.23	14.8	51.96	160	225	P	H
CH 42		10420	48.48	-19.82	68.3	50.5	39.8	11.61	53.43	150	230	P	V
5210MHz		15630	49.58	-24.42	74	48.51	38.23	14.8	51.96	160	225	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11ax HE20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5120.9	48.6	-25.4	74	39.49	31.83	10.06	32.78	147	45	P	H
		5000.52	38.58	-15.42	54	29.83	31.5	9.95	32.7	147	45	A	H
	*	5260	106.09	-	-	97.48	31.3	10.17	32.86	147	45	P	H
		5260	100.74	-	-	92.13	31.3	10.17	32.86	147	45	A	H
802.11ax		5454.96	47.42	-26.58	74	38.32	31.7	10.38	32.98	147	45	P	H
HE20		5444.16	37.28	-16.72	54	28.17	31.7	10.38	32.97	147	45	A	H
CH 52		5046.8	49.39	-24.61	74	40.43	31.7	9.99	32.73	207	4	P	V
5260MHz		5071.24	38.42	-15.58	54	29.45	31.73	9.99	32.75	207	4	P	V
	*	5260	104	-	-	95.39	31.3	10.17	32.86	207	4	P	V
		5260	96.23	-	-	87.62	31.3	10.17	32.86	207	4	A	V
		5393.52	46.01	-27.99	74	37.04	31.57	10.34	32.94	207	4	P	V
		5444.64	37.33	-16.67	54	28.22	31.7	10.38	32.97	207	4	A	V
		5141.75	48.12	-25.88	74	38.94	31.9	10.06	32.78	149	39	P	H
		5000.7	38.86	-15.14	54	30.11	31.5	9.95	32.7	149	39	A	H
	*	5300	105.31	-	-	96.69	31.3	10.21	32.89	149	39	P	H
		5300	98.44	-	-	89.82	31.3	10.21	32.89	149	39	A	H
802.11ax		5411.04	46.96	-27.04	74	37.87	31.7	10.34	32.95	149	39	P	H
HE20		5350.56	38.28	-15.72	54	29.6	31.3	10.3	32.92	149	39	A	H
CH 60		5058.45	47.78	-26.22	74	38.79	31.73	9.99	32.73	206	0	P	V
5300MHz		5000	38.8	-15.2	54	30.05	31.5	9.95	32.7	206	0	A	V
	*	5300	102.66	-	-	94.04	31.3	10.21	32.89	206	0	P	V
		5300	96.17	-	-	87.55	31.3	10.21	32.89	206	0	A	V
		5411.76	46.64	-27.36	74	37.55	31.7	10.34	32.95	206	0	P	V
		5350.56	37.59	-16.41	54	28.91	31.3	10.3	32.92	206	0	A	V

	*	5320	108.12	-	-	99.45	31.3	10.26	32.89	133	1	P	H
		5320	101.22	-	-	92.55	31.3	10.26	32.89	133	1	A	H
802.11ax		5351.68	58.1	-15.9	74	49.42	31.3	10.3	32.92	133	1	P	H
HE20		5350.24	48.1	-5.9	54	39.42	31.3	10.3	32.92	133	1	A	H
CH 64	*	5320	103.71	-	-	95.04	31.3	10.26	32.89	176	9	P	V
5320MHz		5320	97.36	-	-	88.69	31.3	10.26	32.89	176	9	A	V
		5350.24	49.62	-24.38	74	40.94	31.3	10.3	32.92	176	9	P	V
		5350.08	43.05	-10.95	54	34.37	31.3	10.3	32.92	176	9	A	V

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

5250~5350MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10520	48.12	-20.18	68.3	50.15	39.8	11.65	53.48	150	220	P	H
HE20		15780	47.72	-26.28	74	47.32	37.63	14.78	52.01	159	345	P	H
CH 52		10520	47.31	-20.99	68.3	49.34	39.8	11.65	53.48	150	220	P	V
5260MHz		15780	47.68	-26.32	74	47.28	37.63	14.78	52.01	159	345	P	V
802.11ax		10600	48.01	-25.99	74	49.73	39.8	11.86	53.38	185	215	P	H
HE20		15900	47.92	-26.08	74	47.72	37.4	14.86	52.06	196	190	P	H
CH 60		10600	47.84	-26.16	74	49.56	39.8	11.86	53.38	185	215	P	V
5300MHz		15900	48.02	-25.98	74	47.82	37.4	14.86	52.06	196	190	P	V
802.11ax		10640	48.22	-25.78	74	49.92	39.8	11.83	53.33	152	135	P	H
HE20		15960	48.04	-25.96	74	47.84	37.4	14.89	52.09	173	245	P	H
CH 64		10640	48.66	-25.34	74	50.36	39.8	11.83	53.33	152	135	P	V
5320MHz		15960	48.51	-25.49	74	48.31	37.4	14.89	52.09	173	245	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11ax HE40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 CH 54 5270MHz		5121.1	48.65	-25.35	74	40.32	31.83	9.28	32.78	160	43	P	H
		5150	40.34	-13.66	54	31.89	31.9	9.34	32.79	160	43	A	H
	*	5270	104.62	-	-	96.52	31.3	9.66	32.86	160	43	P	H
		5270	98.22	-	-	90.12	31.3	9.66	32.86	160	43	A	H
		5424.24	47.9	-26.1	74	39.31	31.7	9.84	32.95	160	43	P	H
		5350.8	38.91	-15.09	54	30.73	31.3	9.8	32.92	160	43	A	H
		5081.9	48.08	-25.92	74	39.84	31.77	9.22	32.75	192	17	P	V
		5149.45	38.47	-15.53	54	30.02	31.9	9.34	32.79	192	17	A	V
	*	5270	99.56	-	-	91.46	31.3	9.66	32.86	192	17	P	V
		5270	92.55	-	-	84.45	31.3	9.66	32.86	192	17	A	V
		5371.92	47.19	-26.81	74	38.88	31.43	9.8	32.92	192	17	P	V
		5350.56	37.2	-16.8	54	29.02	31.3	9.8	32.92	192	17	A	V
802.11ax HE40 CH 62 5310MHz		5073.5	47.63	-26.37	74	39.39	31.77	9.22	32.75	142	2	P	H
		5149.45	38.15	-15.85	54	29.7	31.9	9.34	32.79	142	2	A	H
	*	5310	103.8	-	-	95.61	31.3	9.78	32.89	142	2	P	H
		5310	95.24	-	-	87.05	31.3	9.78	32.89	142	2	A	H
		5350.32	59.47	-14.53	74	51.29	31.3	9.8	32.92	142	2	P	H
		5350.08	50.86	-3.14	54	42.68	31.3	9.8	32.92	142	2	P	H
		5002.1	48.14	-25.86	74	40.28	31.5	9.06	32.7	204	9	P	V
		5102.2	37.99	-16.01	54	29.7	31.8	9.25	32.76	204	9	A	V
	*	5310	98.98	-	-	90.79	31.3	9.78	32.89	204	9	P	V
		5310	91.31	-	-	83.12	31.3	9.78	32.89	204	9	A	V
		5357.52	50.94	-23.06	74	42.76	31.3	9.8	32.92	204	9	P	V
		5356.32	44.06	-9.94	54	35.88	31.3	9.8	32.92	204	9	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11ax HE40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10540	48.3	-20	68.3	50.27	39.8	11.69	53.46	150	220	P	H
HE40		15810	47.72	-26.28	74	47.53	37.4	14.81	52.02	168	345	P	H
CH 54		10540	48.83	-19.47	68.3	50.8	39.8	11.69	53.46	150	220	P	V
5270MHz		15810	48.42	-25.58	74	48.23	37.4	14.81	52.02	168	345	P	V
802.11ax		10620	47.95	-26.05	74	49.66	39.8	11.85	53.36	150	220	P	H
HE40		15930	48.14	-25.86	74	47.93	37.4	14.88	52.07	160	100	P	H
CH 62		10620	48.1	-25.9	74	49.81	39.8	11.85	53.36	150	220	P	V
5310MHz		15930	49.18	-24.82	74	48.97	37.4	14.88	52.07	160	100	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11ax HE80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5143.5	50.29	-23.71	74	41.83	31.9	9.34	32.78	129	0	P	H
		5150	41.77	-12.23	54	33.32	31.9	9.34	32.79	129	0	A	H
	*	5290	101.19	-	-	93.05	31.3	9.71	32.87	129	0	P	H
		5290	94.73	-	-	86.59	31.3	9.71	32.87	129	0	A	H
802.11ax		5353.2	58.75	-15.25	74	50.57	31.3	9.8	32.92	129	0	P	H
HE80		5354.64	50.64	-3.36	54	42.46	31.3	9.8	32.92	129	0	A	H
CH 58		5140	49.89	-24.11	74	41.43	31.9	9.34	32.78	192	4	P	V
5290MHz		5149.45	39.95	-14.05	54	31.5	31.9	9.34	32.79	192	4	A	V
	*	5290	99.52	-	-	91.38	31.3	9.71	32.87	192	4	P	V
		5290	93.6	-	-	85.46	31.3	9.71	32.87	192	4	A	V
		5356.8	55.57	-18.43	74	47.39	31.3	9.8	32.92	192	4	P	V
		5350.8	45.67	-8.33	54	37.49	31.3	9.8	32.92	192	4	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11ax HE80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10580	47.72	-20.58	68.3	49.5	39.8	11.82	53.4	186	41	P	H
HE80		15870	48.92	-25.08	74	48.72	37.4	14.85	52.05	156	156	P	H
CH 58		10580	47.72	-20.58	68.3	49.5	39.8	11.82	53.4	186	41	P	V
5290MHz		15870	48.92	-25.08	74	48.72	37.4	14.85	52.05	156	156	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11ax HE20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5458.64	55.65	-18.35	74	46.55	31.7	10.38	32.98	167	2	P	H
		5469.36	61.03	-7.27	68.3	51.81	31.77	10.43	32.98	167	2	P	H
		5460	48.27	-5.73	54	39.17	31.7	10.38	32.98	167	2	A	H
802.11ax	*	5500	109.29	-	-	99.96	31.9	10.43	33	167	2	P	H
HE20		5500	101.45	-	-	92.12	31.9	10.43	33	167	2	A	H
CH 100		5459.12	54.31	-19.69	74	45.21	31.7	10.38	32.98	163	3	P	V
5500MHz		5468.4	62.03	-6.27	68.3	52.81	31.77	10.43	32.98	163	3	P	V
		5459.44	45.65	-8.35	54	36.55	31.7	10.38	32.98	163	3	A	V
	*	5500	105.88	-	-	96.55	31.9	10.43	33	163	3	P	V
		5500	98.45	-	-	89.12	31.9	10.43	33	163	3	A	V
		5443.84	47.11	-26.89	74	38	31.7	10.38	32.97	142	354	P	H
		5466.16	46.89	-21.41	68.3	37.67	31.77	10.43	32.98	142	354	P	H
		5459.92	37.82	-16.18	54	28.72	31.7	10.38	32.98	142	354	A	H
	*	5580	110.96	-	-	101.67	31.73	10.52	32.96	142	354	P	H
802.11ax		5580	102.41	-	-	93.12	31.73	10.52	32.96	142	354	A	H
HE20		5760.905	48.16	-20.14	68.3	38.3	32.13	10.62	32.89	142	354	P	H
CH 116		5454.16	46.42	-27.58	74	37.32	31.7	10.38	32.98	183	338	P	V
5580MHz		5461.12	46.35	-21.95	68.3	37.25	31.7	10.38	32.98	183	338	P	V
		5459.68	37.72	-16.28	54	28.62	31.7	10.38	32.98	183	338	A	V
	*	5580	106.81	-	-	97.52	31.73	10.52	32.96	183	338	P	V
		5580	99.41	-	-	90.12	31.73	10.52	32.96	183	338	A	V
		5764.685	46.83	-21.47	68.3	36.97	32.13	10.62	32.89	183	338	P	V

	*	5700	109.17	-	-	99.48	32	10.61	32.92	114	355	P	H
802.11ax		5700	102.92	-	-	93.23	32	10.61	32.92	114	355	A	H
HE20		5728.76	64.9	-3.4	68.3	55.13	32.07	10.61	32.91	114	355	P	H
CH 140	*	5700	104.36	-	-	94.67	32	10.61	32.92	204	336	P	V
5700MHz		5700	95.92	-	-	86.23	32	10.61	32.92	204	336	A	V
		5725	58.81	-9.49	68.3	49.04	32.07	10.61	32.91	204	336	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11000	50	-24	74	50.79	40.1	12.01	52.9	163	230	P	H
HE20		16500	50.58	-17.72	68.3	48.51	38.5	15.27	51.7	178	296	P	H
CH 100		11000	50.11	-23.89	74	50.9	40.1	12.01	52.9	163	230	P	V
5500MHz		16500	51.08	-17.22	68.3	49.01	38.5	15.27	51.7	178	296	P	V
802.11ax		11160	49.94	-24.06	74	50.97	39.67	12.1	52.8	170	200	P	H
HE20		16740	52.34	-15.96	68.3	49.02	39.9	15.41	51.99	156	350	P	H
CH 116		11160	50.47	-23.53	74	51.5	39.67	12.1	52.8	170	200	P	V
5580MHz		16740	52.19	-16.11	68.3	48.87	39.9	15.41	51.99	156	350	P	V
802.11ax		11400	49.55	-24.45	74	50.12	39.9	12.19	52.66	157	285	P	H
HE20		17100	51.65	-16.65	68.3	48.4	40.2	15.45	52.4	165	246	P	H
CH 140		11400	49.79	-24.21	74	50.36	39.9	12.19	52.66	157	285	P	V
5700MHz		17100	52.26	-16.04	68.3	49.01	40.2	15.45	52.4	165	246	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11ax HE40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 CH 102 5510MHz		5454.16	54.14	-19.86	74	45.52	31.7	9.9	32.98	145	0	P	H
		5464	61.7	-6.6	68.3	52.99	31.77	9.92	32.98	145	0	P	H
		5459.92	48.89	-5.11	54	40.27	31.7	9.9	32.98	145	0	A	H
	*	5510	103.8	-	-	94.92	31.9	9.97	32.99	145	0	P	H
		5510	96.97	-	-	88.09	31.9	9.97	32.99	145	0	A	H
		5759.33	47.45	-20.85	68.3	37.66	32.13	10.55	32.89	145	0	P	H
		5458.48	55.09	-18.91	74	46.47	31.7	9.9	32.98	202	9	P	V
		5469.52	58.41	-9.89	68.3	49.7	31.77	9.92	32.98	202	9	P	V
		5459.92	46.63	-7.37	54	38.01	31.7	9.9	32.98	202	9	A	V
	*	5510	100.34	-	-	91.46	31.9	9.97	32.99	202	9	P	V
		5510	93.63	-	-	84.75	31.9	9.97	32.99	202	9	A	V
		5736.65	48.47	-19.83	68.3	38.78	32.1	10.49	32.9	202	9	P	V
802.11ax HE40 CH 110 5550MHz		5453.44	50.17	-23.83	74	41.55	31.7	9.9	32.98	115	2	P	H
		5462.32	52.53	-15.77	68.3	43.91	31.7	9.9	32.98	115	2	P	H
		5459.68	42.63	-11.37	54	34.01	31.7	9.9	32.98	115	2	A	H
	*	5550	107.74	-	-	98.87	31.7	10.15	32.98	115	2	P	H
		5550	101.51	-	-	92.64	31.7	10.15	32.98	115	2	A	H
		5746.415	48.2	-20.1	68.3	38.51	32.1	10.49	32.9	115	2	P	H
		5456.8	47.44	-26.56	74	38.82	31.7	9.9	32.98	202	2	P	V
		5468.32	52.05	-16.25	68.3	43.34	31.77	9.92	32.98	202	2	P	V
		5459.92	40.34	-13.66	54	31.72	31.7	9.9	32.98	202	2	A	V
	*	5550	103.93	-	-	95.06	31.7	10.15	32.98	202	2	P	V
		5550	97.43	-	-	88.56	31.7	10.15	32.98	202	2	A	V
		5733.185	47.09	-21.21	68.3	37.48	32.07	10.44	32.9	202	2	P	V

		5450.45	46.58	-27.42	74	37.96	31.7	9.9	32.98	119	3	P	H
		5464.8	46.4	-21.9	68.3	37.69	31.77	9.92	32.98	119	3	P	H
		5459.9	37.25	-16.75	54	28.63	31.7	9.9	32.98	119	3	A	H
	*	5670	109.55	-	-	100.31	31.85	10.32	32.93	119	3	P	H
802.11ax		5670	102.52	-	-	93.28	31.85	10.32	32.93	119	3	A	H
HE40		5729.3	64.25	-4.05	68.3	54.65	32.07	10.44	32.91	119	3	P	H
CH 134		5439.95	46.31	-27.69	74	37.71	31.7	9.87	32.97	202	4	P	V
5670MHz		5463.75	45.12	-23.18	68.3	36.41	31.77	9.92	32.98	202	4	P	V
		5458.5	37.15	-16.85	54	28.53	31.7	9.9	32.98	202	4	A	V
	*	5670	104.33	-	-	95.09	31.85	10.32	32.93	202	4	P	V
		5670	98.65	-	-	89.41	31.85	10.32	32.93	202	4	A	V
		5726.325	61.29	-7.01	68.3	51.69	32.07	10.44	32.91	202	4	P	V

Remark

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

5470~5725MHz

WIFI 802.11ax HE40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11020	49.93	-24.07	74	50.73	40.05	12.04	52.89	170	230	P	H
HE40		16530	51.12	-17.18	68.3	48.93	38.67	15.26	51.74	160	300	P	H
CH 102		11020	49.61	-24.39	74	50.41	40.05	12.04	52.89	170	230	P	V
5510MHz		16530	51	-17.3	68.3	48.81	38.67	15.26	51.74	160	300	P	V
802.11ax		11100	49.96	-24.04	74	50.83	39.8	12.17	52.84	150	200	P	H
HE40		16650	51.76	-16.54	68.3	48.92	39.45	15.28	51.89	180	350	P	H
CH 110		11100	50.1	-23.9	74	50.97	39.8	12.17	52.84	150	200	P	V
5550MHz		16650	51.77	-16.53	68.3	48.93	39.45	15.28	51.89	180	350	P	V
802.11ax		11340	50.13	-23.87	74	50.66	39.83	12.34	52.7	200	360	P	H
HE40		17010	52.68	-15.62	68.3	48.88	40.53	15.59	52.32	200	360	P	H
CH 134		11340	49.84	-24.16	74	50.37	39.83	12.34	52.7	200	360	P	V
5670MHz		17010	52.06	-16.24	68.3	48.26	40.53	15.59	52.32	200	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11ax HE80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 CH 106 5530MHz		5458.48	57.7	-16.3	74	49.08	31.7	9.9	32.98	133	3	P	H
		5468.56	61.08	-7.22	68.3	52.37	31.77	9.92	32.98	133	3	P	H
		5457.76	50.12	-3.88	54	41.5	31.7	9.9	32.98	133	3	A	H
	*	5530	101.87	-	-	92.99	31.83	10.03	32.98	133	3	P	H
		5530	94.14	-	-	85.26	31.83	10.03	32.98	133	3	A	H
		5764.37	48.64	-19.66	68.3	38.85	32.13	10.55	32.89	133	3	P	H
		5457.52	55.14	-18.86	74	46.52	31.7	9.9	32.98	203	2	P	V
		5462.08	57.95	-10.35	68.3	49.33	31.7	9.9	32.98	203	2	P	V
		5459.2	46.8	-7.2	54	38.18	31.7	9.9	32.98	203	2	A	V
	*	5530	98.94	-	-	90.06	31.83	10.03	32.98	203	2	P	V
		5530	92.5	-	-	83.62	31.83	10.03	32.98	203	2	A	V
		5759.33	47.74	-20.56	68.3	37.95	32.13	10.55	32.89	203	2	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11ax HE80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 CH 106 5530MHz		11060	49.94	-24.06	74	50.78	39.9	12.12	52.86	150	200	P	H
		16590	50.43	-17.87	68.3	48.06	38.92	15.25	51.8	180	350	P	H
		11060	50.87	-23.13	74	51.71	39.9	12.12	52.86	150	200	P	V
		16590	50.73	-17.57	68.3	48.36	38.92	15.25	51.8	180	350	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Partial RU:

- 5150~5250MHz

WIFI 802.11ax HE20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable 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)
		5132.86	63.64	-10.36	74	56.75	32.24	7.46	32.81	187	325	P	H
		5136.24	42.66	-11.34	54	35.77	32.24	7.46	32.81	187	325	A	H
802.11ax	*	5180	103.63	-	-	96.74	32.25	7.53	32.89	187	325	P	H
HE20		5180	92.33	-	-	85.44	32.25	7.53	32.89	187	325	A	H
CH 36		5146.9	68.72	-5.28	74	61.85	32.24	7.48	32.85	211	333	P	V
5180MHz		5149.5	47.54	-6.46	54	40.67	32.24	7.48	32.85	211	333	A	V
	*	5180	103.24	-	-	96.35	32.25	7.53	32.89	211	333	P	V
		5180	92.13	-	-	85.24	32.25	7.53	32.89	211	333	A	V
		5149.76	52.38	-21.62	74	45.51	32.24	7.48	32.85	232	352	P	H
		5150	37.45	-16.55	54	30.58	32.24	7.48	32.85	232	352	A	H
	*	5240	104.81	-	-	97.93	32.27	7.59	32.98	232	352	P	H
		5240	97	-	-	90.12	32.27	7.59	32.98	232	352	A	H
802.11ax		5430.48	45.25	-28.75	74	38.44	32.34	7.79	33.32	232	352	P	H
HE20		5432.64	35.55	-18.45	54	28.74	32.34	7.79	33.32	232	352	A	H
CH 48		5146.38	51.21	-22.79	74	44.34	32.24	7.48	32.85	265	360	P	V
5240MHz		5150	37.18	-16.82	54	30.31	32.24	7.48	32.85	265	360	A	V
	*	5240	103.24	-	-	96.36	32.27	7.59	32.98	265	360	P	V
		5240	92.5	-	-	85.62	32.27	7.59	32.98	265	360	A	V
		5354.4	45.44	-28.56	74	38.64	32.31	7.68	33.19	265	360	P	V
		5427.6	35.57	-18.43	54	28.81	32.33	7.75	33.32	265	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5150~5250MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10360	49.6	-18.7	68.3	59.07	38.72	10.8	58.99	152	260	P	H
HE20		15540	50.31	-23.69	74	56.87	38.7	13.67	58.93	189	238	P	H
CH 36		10360	49.91	-18.39	68.3	59.38	38.72	10.8	58.99	152	260	P	V
5180MHz		15540	49.27	-24.73	74	55.83	38.7	13.67	58.93	189	238	P	V
802.11ax		10480	50.26	-18.04	68.3	59.36	38.89	10.87	58.86	150	289	P	H
HE20		15720	49.87	-24.13	74	57.05	38.13	13.81	59.12	150	291	P	H
CH 48		10480	50.09	-18.21	68.3	59.19	38.89	10.87	58.86	150	289	P	V
5240MHz		15720	50.73	-23.27	74	57.91	38.13	13.81	59.12	150	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5150~5250MHz

WIFI 802.11ax HE40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5150.00	63.37	-10.63	74	56.5	32.24	7.48	32.85	140	39	P	H
		5148.46	43.22	-10.78	54	36.35	32.24	7.48	32.85	140	39	A	H
	*	5190	104.5	-	-	97.61	32.25	7.53	32.89	140	39	P	H
		5190	96.75	-	-	89.86	32.25	7.53	32.89	140	39	A	H
802.11ax		5379.64	45.49	-28.51	74	38.7	32.32	7.7	33.23	140	39	P	H
HE40		5351.08	35.49	-18.51	54	28.69	32.31	7.68	33.19	140	39	A	H
CH 38		5149.24	61.83	-12.17	74	54.96	32.24	7.48	32.85	100	12	P	V
5190MHz		5149.5	40.09	-13.91	54	33.22	32.24	7.48	32.85	100	12	A	V
	*	5190	99.04	-	-	92.15	32.25	7.53	32.89	100	12	P	V
		5190	91.24	-	-	84.35	32.25	7.53	32.89	100	12	A	V
		5373.48	45.21	-28.79	74	38.4	32.31	7.69	33.19	100	12	P	V
		5431.44	35.39	-18.61	54	28.58	32.34	7.79	33.32	100	12	A	V
		5141.96	68.33	-5.67	74	61.46	32.24	7.48	32.85	119	33	P	H
		5141.18	45.92	-8.08	54	39.05	32.24	7.48	32.85	119	33	A	H
	*	5230	105.99	-	-	99.11	32.27	7.59	32.98	119	33	P	H
		5230	98.75	-	-	91.87	32.27	7.59	32.98	119	33	A	H
802.11ax		5357.52	59.71	-14.29	74	52.91	32.31	7.68	33.19	119	33	P	H
HE40		5353.68	38.1	-15.9	54	31.3	32.31	7.68	33.19	119	33	A	H
CH 42		5137.02	61.4	-12.6	74	54.51	32.24	7.46	32.81	141	16	P	V
5320MHz		5148.2	39.63	-14.37	54	32.76	32.24	7.48	32.85	141	16	A	V
	*	5230	101.73	-	-	94.85	32.27	7.59	32.98	141	16	P	V
		5230	94.55	-	-	87.67	32.27	7.59	32.98	141	16	A	V
		5359.92	54.48	-19.52	74	47.68	32.31	7.68	33.19	141	16	P	V
		5353.68	36.16	-17.84	54	29.36	32.31	7.68	33.19	141	16	A	V

Remark

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

5150~5250MHz

WIFI 802.11ax HE40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10380	49.24	-19.06	68.3	58.65	38.75	10.81	58.97	150	360	P	H
HE40		15570	49.74	-24.26	74	56.42	38.59	13.7	58.97	155	360	P	H
CH 38		10380	50.09	-18.21	68.3	59.5	38.75	10.81	58.97	150	360	P	V
5320MHz		15570	50.91	-23.09	74	57.59	38.59	13.7	58.97	155	360	P	V
802.11ax		10460	50.26	-18.04	68.3	59.47	38.84	10.85	58.9	150	360	P	H
HE40		15690	50.99	-23.01	74	58.06	38.23	13.79	59.09	150	225	P	H
CH 42		10460	49.77	-18.53	68.3	58.98	38.84	10.85	58.9	150	360	P	V
5320MHz		15690	49.28	-24.72	74	56.35	38.23	13.79	59.09	150	225	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5150~5250MHz

WIFI 802.11ax HE80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.5	69.5	-4.5	74	62.63	32.24	7.48	32.85	164	34	P	H
		5150	50.31	-3.69	54	43.44	32.24	7.48	32.85	164	34	A	H
	*	5210	97.38	-	-	90.49	32.26	7.57	32.94	164	34	P	H
802.11ax		5210	88.65	-	-	81.76	32.26	7.57	32.94	164	34	A	H
HE80		5358.72	48.97	-25.03	74	42.17	32.31	7.68	33.19	164	34	P	H
CH42		5356.08	35.7	-18.3	54	28.9	32.31	7.68	33.19	164	34	A	H
Partial		5146.9	62.97	-11.03	74	56.1	32.24	7.48	32.85	113	15	P	V
RU484-65		5149.76	45.96	-8.04	54	39.09	32.24	7.48	32.85	113	15	A	V
5210MHz	*	5210	95.33	-	-	88.44	32.26	7.57	32.94	113	15	P	V
		5210	87.16	-	-	80.27	32.26	7.57	32.94	113	15	A	V
		5418.48	46.3	-27.7	74	39.49	32.33	7.75	33.27	113	15	P	V
		5356.32	35.77	-18.23	54	28.97	32.31	7.68	33.19	113	15	A	V
		5149.76	70.1	-3.9	74	63.23	32.24	7.48	32.85	113	15	P	H
		5149.76	48.36	-5.64	54	41.49	32.24	7.48	32.85	113	15	A	H
	*	5210	97.22	-	-	90.33	32.26	7.57	32.94	113	15	P	H
802.11ax		5210	86.34	-	-	79.45	32.26	7.57	32.94	113	15	A	H
HE80		5365.2	47.51	-26.49	74	40.7	32.31	7.69	33.19	113	15	P	H
CH42		5356.32	35.94	-18.06	54	29.14	32.31	7.68	33.19	113	15	A	H
Partial		5147.94	63.48	-10.52	74	56.61	32.24	7.48	32.85	126	15	P	V
RU484-66		5147.68	42.73	-11.27	54	35.86	32.24	7.48	32.85	126	15	A	V
5210MHz	*	5218	94.83	-	-	87.94	32.26	7.57	32.94	126	15	P	V
		5218	87.26	-	-	80.37	32.26	7.57	32.94	126	15	A	V
		5440.56	46.28	-27.72	74	39.47	32.34	7.79	33.32	126	15	P	V
		5357.52	35.7	-18.3	54	28.9	32.31	7.68	33.19	126	15	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5150~5250MHz

WIFI 802.11ax HE80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 CH42 Partial RU484-65 5210MHz		10420	48.04	-20.26	68.3	57.35	38.79	10.83	58.93	150	360	P	H
		15630	48.32	-25.68	74	55.22	38.39	13.75	59.04	150	225	P	H
		10420	46.72	-21.58	68.3	56.03	38.79	10.83	58.93	150	360	P	V
		15630	48.34	-25.66	74	55.24	38.39	13.75	59.04	150	225	P	V
802.11ax HE80 CH42 Partial RU484-66 5210MHz		10420	47.41	-20.89	68.3	56.72	38.79	10.83	58.93	150	360	P	H
		15630	47.99	-26.01	74	54.89	38.39	13.75	59.04	150	225	P	H
		10420	46.51	-21.79	68.3	55.82	38.79	10.83	58.93	150	360	P	V
		15630	48.18	-25.82	74	55.08	38.39	13.75	59.04	150	225	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11ax HE20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5147.68	48.49	-25.51	74	41.62	32.24	7.48	32.85	136	42	P	H
		5149.76	37.33	-16.67	54	30.46	32.24	7.48	32.85	136	42	A	H
	*	5260	108.22	-	-	101.34	32.28	7.62	33.02	136	42	P	H
		5260	97.28	-	-	90.4	32.28	7.62	33.02	136	42	A	H
802.11ax		5351.04	52.21	-21.79	74	45.41	32.31	7.68	33.19	136	42	P	H
HE20		5351.76	36.03	-17.97	54	29.23	32.31	7.68	33.19	136	42	A	H
CH 52		5013	46.71	-27.29	74	39.89	32.2	7.26	32.64	130	13	P	V
5260MHz		5074.1	37.16	-16.84	54	30.29	32.22	7.38	32.73	130	13	A	V
	*	5260	103.2	-	-	96.32	32.28	7.62	33.02	130	13	P	V
		5260	94.53	-	-	87.65	32.28	7.62	33.02	130	13	A	V
		5359.2	45.69	-28.31	74	38.89	32.31	7.68	33.19	130	13	P	V
		5352.96	35.71	-18.29	54	28.91	32.31	7.68	33.19	130	13	A	V
		5320	106.82	-	-	99.97	32.3	7.66	33.11	166	44	P	H
		5320	94.27	-	-	87.42	32.3	7.66	33.11	166	44	A	H
802.11ax	*	5350.08	67.03	-6.97	74	60.23	32.31	7.68	33.19	166	44	P	H
HE20		5350.08	43.91	-10.09	54	37.11	32.31	7.68	33.19	166	44	A	H
CH 64		5320	102.75	-	-	95.9	32.3	7.66	33.11	183	0	P	V
5320MHz		5320	92.09	-	-	85.24	32.3	7.66	33.11	183	0	A	V
	*	5354.08	58.75	-15.25	74	51.95	32.31	7.68	33.19	183	0	P	V
		5350.08	36.81	-17.19	54	30.01	32.31	7.68	33.19	183	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10520	49.24	-19.06	68.3	58.24	38.94	10.88	58.82	150	220	P	H
HE20		15780	50.97	-23.03	74	58.33	37.97	13.85	59.18	159	345	P	H
CH 52		10520	49.58	-18.72	68.3	58.58	38.94	10.88	58.82	150	220	P	V
5320MHz		15780	49.9	-24.1	74	57.26	37.97	13.85	59.18	159	345	P	V
802.11ax		10640	49.1	-24.9	74	57.74	39.1	10.95	58.69	152	135	P	H
HE20		15960	50.82	-23.18	74	58.8	37.4	13.99	59.37	173	245	P	H
CH 64		10640	49.21	-24.79	74	57.85	39.1	10.95	58.69	152	135	P	V
5320MHz		15960	49.92	-24.08	74	57.9	37.4	13.99	59.37	173	245	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11ax HE40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 CH 54 5270MHz		5148.75	63.37	-10.63	74	56.5	32.24	7.48	32.85	134	38	P	H
		5150	42.83	-11.17	54	35.96	32.24	7.48	32.85	134	38	A	H
	*	5270	105.73	-	-	98.85	32.28	7.62	33.02	134	38	P	H
		5270	98.2	-	-	91.32	32.28	7.62	33.02	134	38	A	H
		5353.68	61.3	-12.7	74	54.5	32.31	7.68	33.19	134	38	P	H
		5350.08	39.09	-14.91	54	32.29	32.31	7.68	33.19	134	38	A	H
		5146.65	55.2	-18.8	74	48.33	32.24	7.48	32.85	115	15	P	V
		5150	37.62	-16.38	54	30.75	32.24	7.48	32.85	115	15	A	V
	*	5270	101.48	-	-	94.6	32.28	7.62	33.02	115	15	P	V
		5270	93.61	-	-	86.73	32.28	7.62	33.02	115	15	A	V
		5379.6	56.34	-17.66	74	49.55	32.32	7.7	33.23	115	15	P	V
		5352	36.98	-17.02	54	30.18	32.31	7.68	33.19	115	15	A	V
802.11ax HE40 CH 62 5310MHz		5141.75	49.76	-24.24	74	42.89	32.24	7.48	32.85	130	36	P	H
		5149.8	37.37	-16.63	54	30.5	32.24	7.48	32.85	130	36	A	H
	*	5310	102.5	-	-	95.65	32.3	7.66	33.11	130	36	P	H
		5310	95.78	-	-	88.93	32.3	7.66	33.11	130	36	A	H
		5364	67.31	-6.69	74	60.5	32.31	7.69	33.19	130	36	P	H
		5350.08	50.14	-3.86	54	43.34	32.31	7.68	33.19	130	36	A	H
		5006.3	47.45	-26.55	74	40.59	32.2	7.26	32.6	111	14	P	V
		5074.2	37.04	-16.96	54	30.17	32.22	7.38	32.73	111	14	A	V
	*	5310	98.77	-	-	91.92	32.3	7.66	33.11	111	14	P	V
		5310	91.16	-	-	84.31	32.3	7.66	33.11	111	14	A	V
		5352.24	63.45	-10.55	74	56.65	32.31	7.68	33.19	111	14	P	V
		5350.08	44.25	-9.75	54	37.45	32.31	7.68	33.19	111	14	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11ax HE40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10540	47.14	-21.16	68.3	56.09	38.96	10.89	58.8	150	220	P	H
HE40		15810	47.43	-26.57	74	54.9	37.87	13.87	59.21	168	345	P	H
CH54		10540	47.1	-21.2	68.3	56.05	38.96	10.89	58.8	150	220	P	V
5270MHz		15810	47.38	-26.62	74	54.85	37.87	13.87	59.21	168	345	P	V
802.11ax		10620	47.83	-26.17	74	56.52	39.08	10.94	58.71	150	220	P	H
HE40		15930	47.58	-26.42	74	55.44	37.51	13.96	59.33	160	100	P	H
CH 62		10620	46.08	-27.92	74	54.77	39.08	10.94	58.71	150	220	P	V
5310MHz		15930	47.35	-26.65	74	55.21	37.51	13.96	59.33	160	100	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11ax HE80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5124.6	66.45	-7.55	74	59.56	32.24	7.46	32.81	165	45	P	H
		5117.6	42.97	-11.03	54	36.12	32.23	7.43	32.81	165	45	A	H
	*	5290	103.99	-	-	97.12	32.29	7.64	33.06	165	45	P	H
802.11ax		5290	93.61	-	-	86.74	32.29	7.64	33.06	165	45	A	H
HE80		5368.08	70.24	-3.76	74	63.43	32.31	7.69	33.19	165	45	P	H
CH 58		5358.72	50.5	-3.5	54	43.7	32.31	7.68	33.19	165	45	A	H
Partial		5149.45	59.33	-14.67	74	52.46	32.24	7.48	32.85	152	0	P	V
RU484-65		5134.75	38.73	-15.27	54	31.84	32.24	7.46	32.81	152	0	A	V
5290MHz	*	5290	97.74	-	-	90.87	32.29	7.64	33.06	152	0	P	V
		5290	88.08	-	-	81.21	32.29	7.64	33.06	152	0	A	V
		5368.32	68.76	-5.24	74	61.95	32.31	7.69	33.19	152	0	P	V
		5368.32	47.6	-6.4	54	40.79	32.31	7.69	33.19	152	0	A	V
		5145.6	62.23	-11.77	74	55.36	32.24	7.48	32.85	147	39	P	H
		5148.4	40.9	-13.1	54	34.03	32.24	7.48	32.85	147	39	A	H
	*	5290	100.09	-	-	93.22	32.29	7.64	33.06	147	39	P	H
802.11ax		5290	90.07	-	-	83.2	32.29	7.64	33.06	147	39	A	H
HE80		5365.44	66.14	-7.86	74	59.33	32.31	7.69	33.19	147	39	P	H
CH 58		5350.08	50.59	-3.41	54	43.79	32.31	7.68	33.19	147	39	A	H
Partial		5129.5	54.02	-19.98	74	47.13	32.24	7.46	32.81	136	19	P	V
RU484-66		5137.55	37.55	-16.45	54	30.66	32.24	7.46	32.81	136	19	A	V
5290MHz	*	5290	93.18	-	-	86.31	32.29	7.64	33.06	136	19	P	V
		5290	86.53	-	-	79.66	32.29	7.64	33.06	136	19	A	V
		5371.92	59.29	-14.71	74	52.48	32.31	7.69	33.19	136	19	P	V
		5350.08	45.4	-8.6	54	38.6	32.31	7.68	33.19	136	19	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5250~5350MHz

WIFI 802.11ax HE80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 CH58 Partial RU484-65 5290MHz		10580	48.22	-20.08	68.3	57.02	39.03	10.92	58.75	185	215	P	H
		15870	47.88	-26.12	74	55.58	37.66	13.92	59.28	196	190	P	H
		10580	46.79	-21.51	68.3	55.59	39.03	10.92	58.75	170	232	P	V
		15870	46.54	-27.46	74	54.24	37.66	13.92	59.28	190	130	P	V
802.11ax HE80 CH58 Partial RU484-66 5290MHz		10580	48.54	-19.76	68.3	57.34	39.03	10.92	58.75	185	215	P	H
		15870	48.09	-25.91	74	55.79	37.66	13.92	59.28	196	190	P	H
		10580	47.12	-21.18	68.3	55.92	39.03	10.92	58.75	170	232	P	V
		15870	46.77	-27.23	74	54.47	37.66	13.92	59.28	190	130	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11ax HE20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5458.96	63.24	-10.76	74	56.42	32.34	7.84	33.36	100	7	P	H
		5467.44	65.15	-3.15	68.3	58.28	32.35	7.88	33.36	100	7	P	H
		5458.64	41.77	-12.23	54	34.95	32.34	7.84	33.36	100	7	A	H
802.11ax	*	5500	105.12	-	-	98.2	32.36	7.96	33.4	100	7	P	H
HE20		5500	98.11	-	-	91.19	32.36	7.96	33.4	100	7	A	H
CH 100		5458.64	60.25	-13.75	74	53.43	32.34	7.84	33.36	100	357	P	V
5500MHz		5468.24	61.86	-6.44	68.3	54.99	32.35	7.88	33.36	100	357	P	V
		5458.8	36.75	-17.25	54	29.93	32.34	7.84	33.36	100	357	A	V
	*	5500	104.79	-	-	97.87	32.36	7.96	33.4	100	357	P	V
		5500	96.08	-	-	89.16	32.36	7.96	33.4	100	357	A	V
		5700	104.81	-	-	97.2	32.45	8.52	33.36	103	4	P	H
802.11ax		5700	98.04	-	-	90.43	32.45	8.52	33.36	103	4	A	H
HE20		5734.36	62.54	-5.76	68.3	54.96	32.48	8.45	33.35	103	4	P	H
CH 140		5700	99.54	-	-	91.93	32.45	8.52	33.36	100	360	P	V
5700MHz		5700	93.59	-	-	85.98	32.45	8.52	33.36	100	360	A	V
		5725.4	60.92	-7.38	68.3	53.34	32.48	8.45	33.35	100	360	P	V

5470~5725MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11000	49.38	-24.62	74	56.94	39.6	11.14	58.3	163	230	P	H
HE20		16500	50.15	-18.15	68.3	56	38.72	14.27	58.84	196	273	P	H
CH 100		11000	49.53	-24.47	74	57.09	39.6	11.14	58.3	155	212	P	V
5500MHz		16500	50.29	-18.01	68.3	56.14	38.72	14.27	58.84	178	296	P	V
802.11ax		11400	49.41	-24.59	74	56.43	39.36	11.47	57.85	157	285	P	H
HE20		17100	49.09	-19.21	68.3	51.86	40.7	14.69	58.16	165	246	P	H
CH 140		11400	49.53	-24.47	74	56.55	39.36	11.47	57.85	122	291	P	V
5700MHz		17100	50.29	-18.01	68.3	53.06	40.7	14.69	58.16	153	102	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11ax HE40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5452.72	63.63	-10.37	74	56.77	32.34	7.84	33.32	120	8	P	H
		5470	64.65	-3.65	68.3	57.78	32.35	7.88	33.36	120	8	P	H
		5459.92	42.68	-11.32	54	35.86	32.34	7.84	33.36	120	8	A	H
	*	5510	101.05	-	-	94.13	32.36	7.96	33.4	120	8	P	H
802.11ax		5510	94.55	-	-	87.63	32.36	7.96	33.4	120	8	A	H
HE40		5759.33	46.85	-21.45	68.3	39.3	32.51	8.39	33.35	120	8		H
CH 102		5452.24	65.49	-8.51	74	58.63	32.34	7.84	33.32	100	7	P	V
5510MHz		5468.56	63.76	-4.54	68.3	56.89	32.35	7.88	33.36	100	7	P	V
		5452.24	44.72	-9.28	54	37.86	32.34	7.84	33.32	100	7	A	V
	*	5510	100.48	-	-	93.56	32.36	7.96	33.4	100	7	P	V
		5510	93.19	-	-	86.27	32.36	7.96	33.4	100	7	A	V
		5744.84	46.93	-21.37	68.3	39.37	32.49	8.42	33.35	100	7		V
		5406.35	44.56	-29.44	74	37.8	32.32	7.71	33.27	125	4	P	H
		5467.6	43.13	-25.17	68.3	36.26	32.35	7.88	33.36	125	4	P	H
		5459.55	35.4	-18.6	54	28.58	32.34	7.84	33.36	125	4	A	H
	*	5670	103.07	-	-	95.6	32.43	8.41	33.37	125	4	P	H
802.11ax		5670	95.79	-	-	88.32	32.43	8.41	33.37	125	4	A	H
HE40		5728.25	62.32	-5.98	68.3	54.74	32.48	8.45	33.35	125	4	P	H
CH 134		5359.45	45.19	-28.81	74	38.39	32.31	7.68	33.19	127	0	P	V
5670MHz		5460.25	45.18	-23.12	68.3	38.36	32.34	7.84	33.36	127	0	P	V
		5459.55	35.43	-18.57	54	28.61	32.34	7.84	33.36	127	0	A	V
	*	5670	98.94	-	-	91.47	32.43	8.41	33.37	127	0	P	V
		5670	91.79	-	-	84.32	32.43	8.41	33.37	127	0	A	V
		5728.075	57.84	-10.46	68.3	50.26	32.48	8.45	33.35	127	0	P	V

Remark

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

5470~5725MHz

WIFI 802.11ax HE40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11020	49.77	-24.23	74	57.31	39.59	11.15	58.28	170	230	P	H
HE40		16530	46.79	-21.51	68.3	52.48	38.82	14.29	58.8	160	300	P	H
CH 102		11020	46.12	-27.88	74	53.66	39.59	11.15	58.28	170	230	P	V
5510MHz		16530	46.39	-21.91	68.3	52.08	38.82	14.29	58.8	160	300	P	V
802.11ax		11340	49.61	-24.39	74	56.72	39.4	11.42	57.93	195	335	P	H
HE40		17010	48.08	-20.22	68.3	51.6	40.2	14.56	58.28	205	310	P	H
CH 134		11340	47.47	-26.53	74	54.58	39.4	11.42	57.93	205	325	P	V
5670MHz		17010	46.42	-21.88	68.3	49.94	40.2	14.56	58.28	185	290	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11ax HE80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 CH 106 Partial RU484-65 5530MHz		5457.52	55.93	-18.07	74	49.11	32.34	7.84	33.36	101	357	P	H
		5468.56	64.57	-3.73	68.3	57.7	32.35	7.88	33.36	101	357	P	H
		5459.92	40.23	-13.77	54	33.41	32.34	7.84	33.36	101	357	A	H
	*	5530	96.67	-	-	89.75	32.36	7.96	33.4	101	357	P	H
		5530	89.39	-	-	82.47	32.36	7.96	33.4	101	357	A	H
		5760.275	47.85	-20.45	68.3	40.3	32.51	8.39	33.35	101	357	P	H
		5459.2	57.23	-16.77	74	50.41	32.34	7.84	33.36	107	343	P	V
		5465.92	61.64	-6.66	68.3	54.77	32.35	7.88	33.36	107	343	P	V
		5459.92	40.04	-13.96	54	33.22	32.34	7.84	33.36	107	343	A	V
	*	5530	94.11	-	-	87.19	32.36	7.96	33.4	107	343	P	V
		5530	86.73	-	-	79.81	32.36	7.96	33.4	107	343	A	V
		5725.94	46.64	-21.66	68.3	39.06	32.48	8.45	33.35	107	343	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

5470~5725MHz

WIFI 802.11ax HE80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 CH 106 Partial RU484-65 5530MHz		11060	48.99	-25.01	74	56.46	39.56	11.2	58.23	170	230	P	H
		16590	46.95	-21.35	68.3	52.42	38.96	14.32	58.75	155	305	P	H
		11060	45.59	-28.41	74	53.06	39.56	11.2	58.23	166	212	P	V
		16590	48.08	-20.22	68.3	53.55	38.96	14.32	58.75	132	343	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ax HE160 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 CH 50 5250MHz		5112.84	64.4	-9.6	74	57.51	32.23	7.43	32.77	104	99	P	H
		5148.46	50.09	-3.91	54	43.22	32.24	7.48	32.85	104	99	A	H
	*	5250	96.38	-	-	89.51	32.28	7.61	33.02	104	99	P	H
		5250	86.48	-	-	79.61	32.28	7.61	33.02	104	99	A	H
		5394.96	60.85	-13.15	74	54.05	32.32	7.71	33.23	104	99	P	H
		5399.04	42.97	-11.03	54	36.17	32.32	7.71	33.23	104	99	A	H
		5100.62	63.61	-10.39	74	56.74	32.23	7.41	32.77	127	180	P	V
		5148.2	49.78	-4.22	54	42.91	32.24	7.48	32.85	127	180	A	V
	*	5250	94.92	-	-	88.05	32.28	7.61	33.02	127	180	P	V
		5250	85.53	-	-	78.66	32.28	7.61	33.02	127	180	A	V
		5400.72	63.92	-10.08	74	57.12	32.32	7.71	33.23	127	180	P	V
		5396.16	44.05	-9.95	54	37.25	32.32	7.71	33.23	127	180	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ax HE160 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 CH 50 5250MHz		10500	50.17	-18.13	68.3	59.77	38.37	10.87	58.84	155	321	P	H
		15750	48.75	-25.25	74	55.87	38.2	13.84	59.16	150	291	P	H
		10500	50.01	-18.29	68.3	59.61	38.37	10.87	58.84	155	321	P	V
		15750	48.28	-25.72	74	55.4	38.2	13.84	59.16	150	291	P	V
Remark	1. No other spurious found. 2. 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 **over limit** 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	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b 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. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

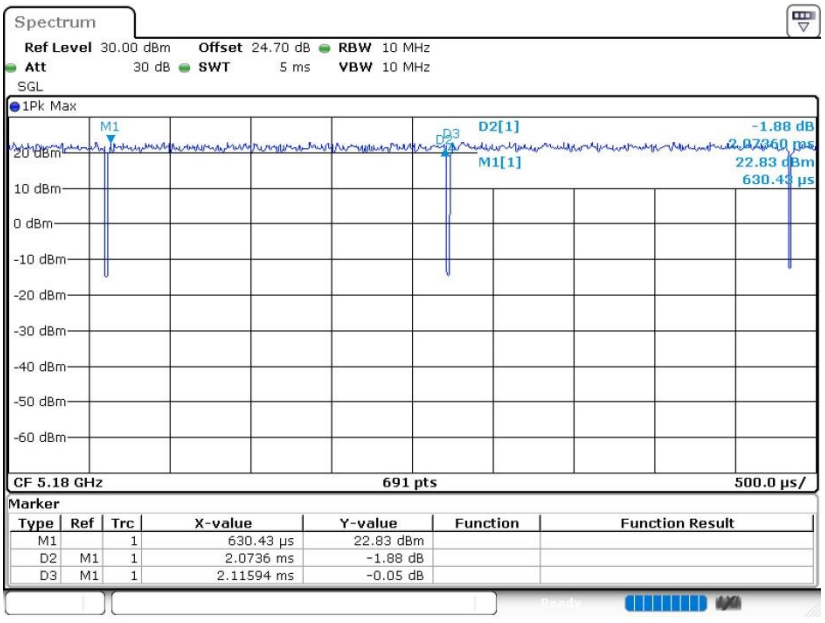
= -10.46(dB)

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

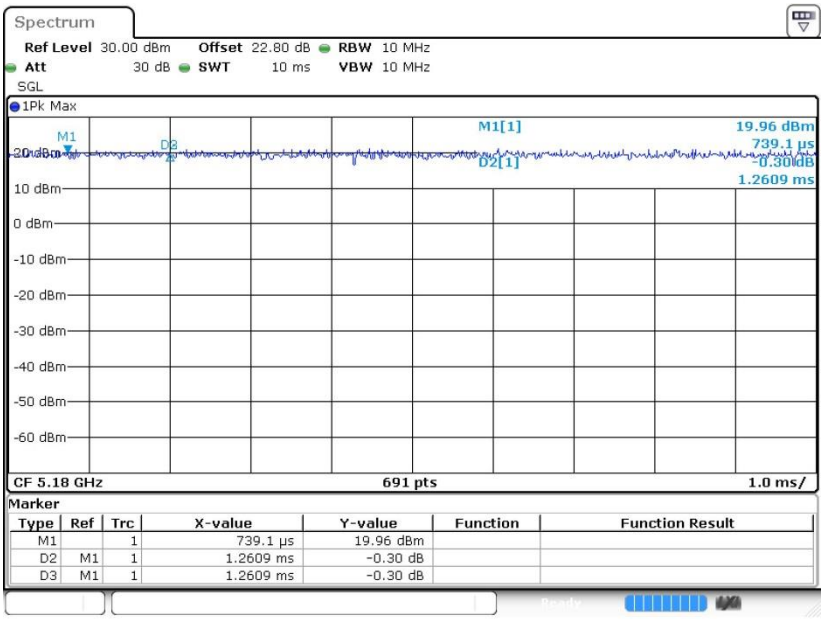
Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
1+2	802.11a	98.00	-	-	10Hz
1+2	802.11n HT20	100	-	-	10Hz
1+2	802.11n HT40	100	-	-	10Hz
1+2	802.11ac VHT80	100	-	-	10Hz
1+2	802.11ac VHT160	100	-	-	10Hz
1+2	802.11ax HE20	100	-	-	10Hz
1+2	802.11ax HE40	100	-	-	10Hz
1+2	802.11ax HE80	100	-	-	10Hz
1+2	802.11ax HE160	100	-	-	10Hz

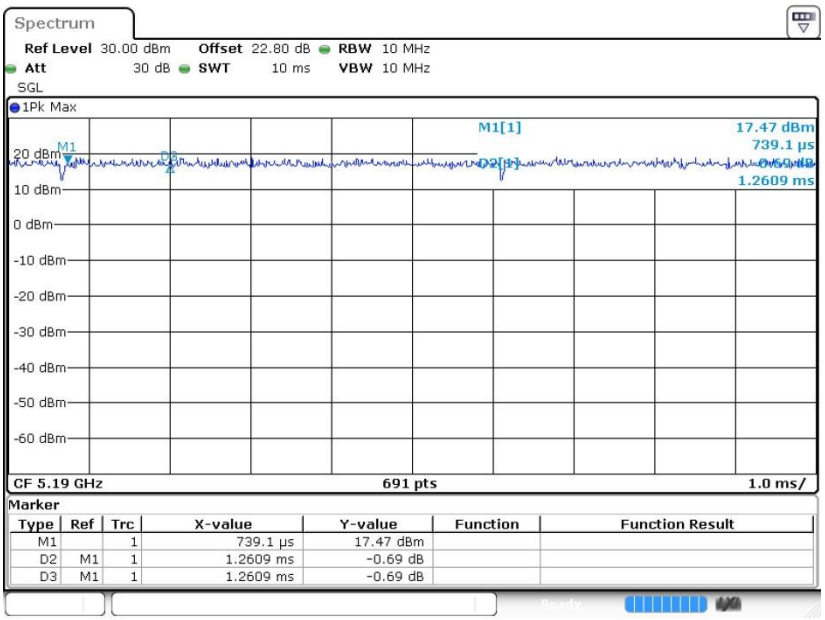
802.11a



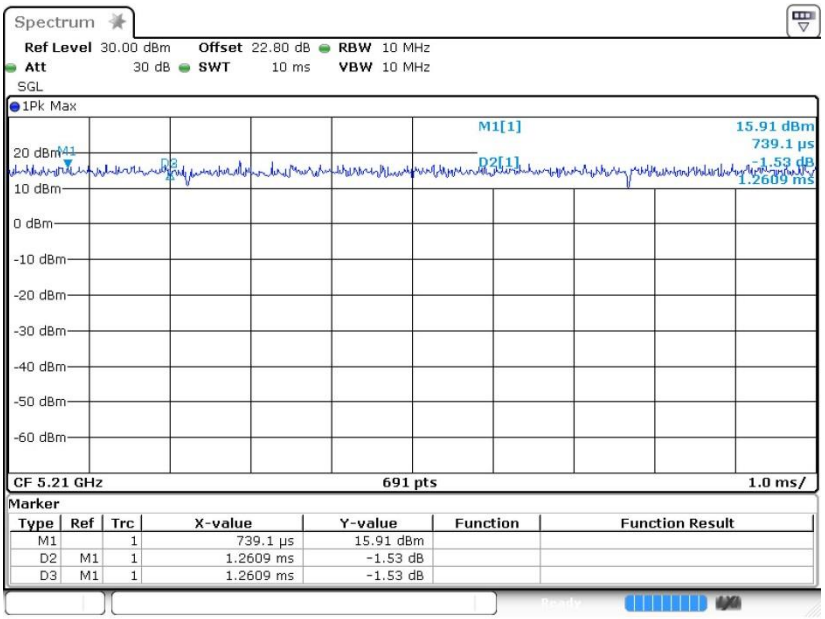
802.11n HT20



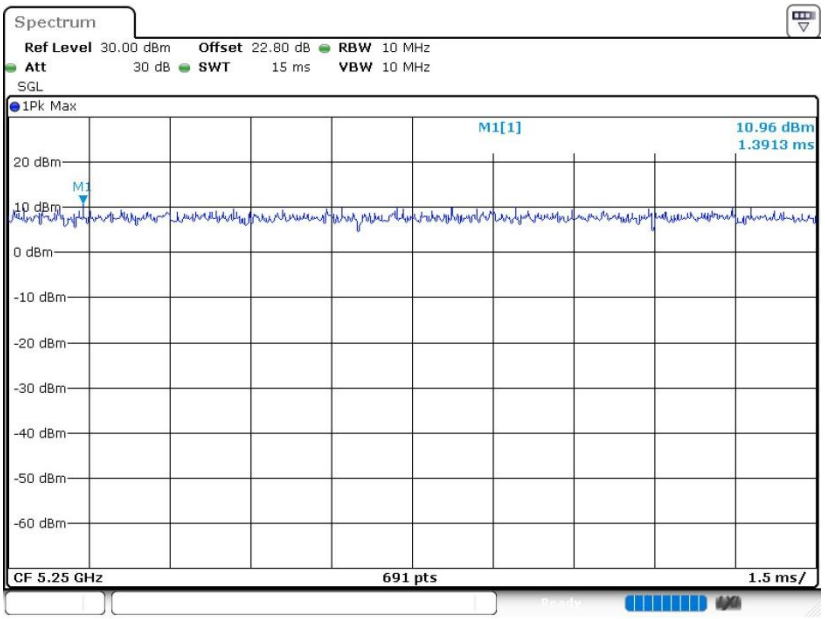
802.11n HT40



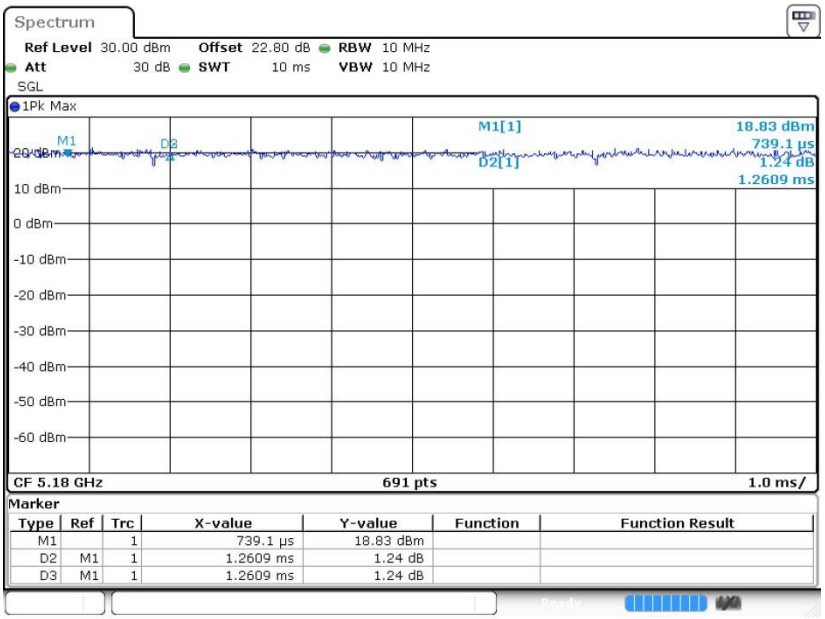
802.11ac VHT80



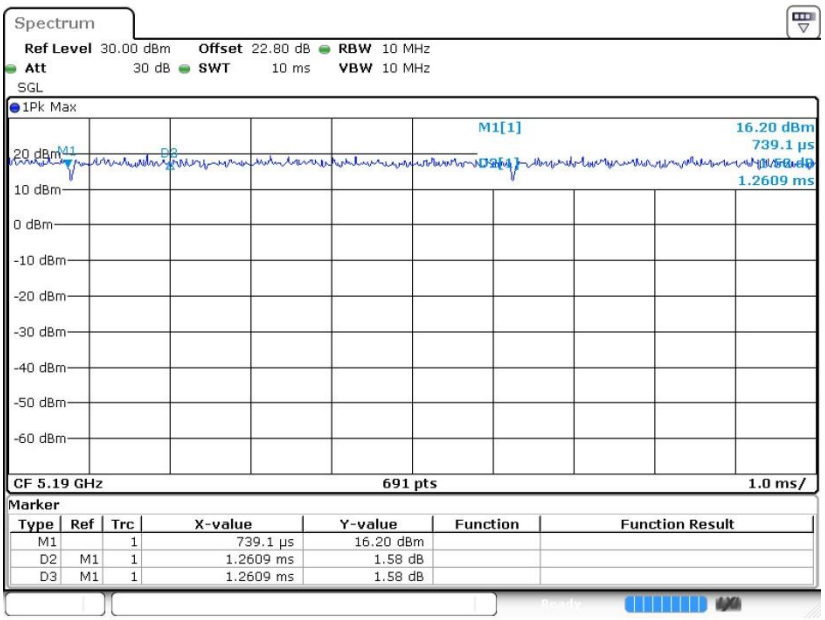
802.11ac VHT160



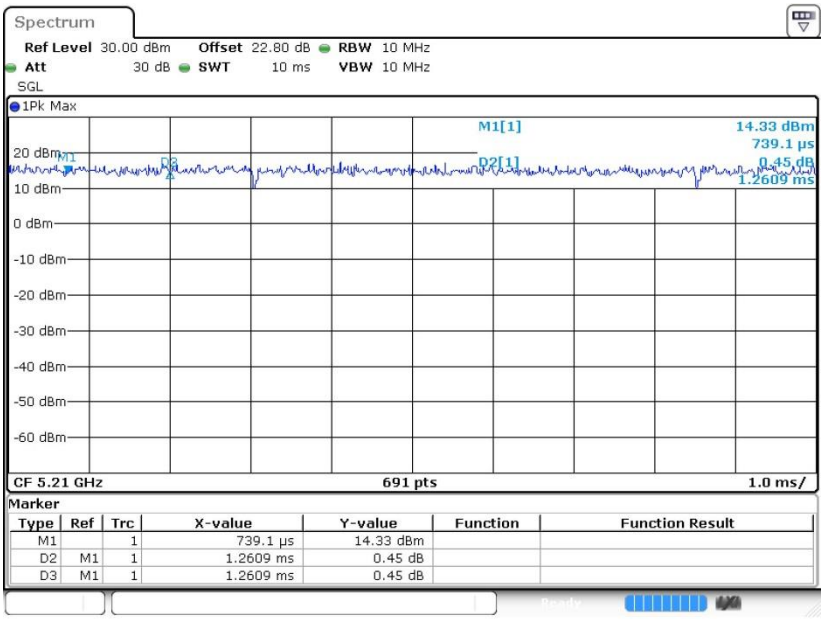
802.11ax HE20



802.11ax HE40



802.11ax HE80



802.11ax HE160