



FCC RF Test Report

APPLICANT : OnePlus Technology (Shenzhen) Co., Ltd.
EQUIPMENT : Smart Phone
BRAND NAME : ONEPLUS
MODEL NAME : LE2127
FCC ID : 2ABZ2-EF14A
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

The product was received on Oct. 27, 2020 and testing was completed on Dec. 19, 2020. 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



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People's Republic of China**



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR002703-02G	Rev. 01	Initial issue of report	Feb. 05, 2021

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	2.1049 & 15.403(i)	26dB & 99% Bandwidth	-	Pass	-
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 3.14 dB at 5149.500 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 17.66 dB at 0.150 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.7	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-

Declaration of Conformity:

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

Comments and Explanations:

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



1 General Description

1.1 Applicant

OnePlus Technology (Shenzhen) Co., Ltd.

18C02, 18C03, 18C04 and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen

1.2 Manufacturer

OnePlus Technology (Shenzhen) Co., Ltd.

18C02, 18C03, 18C04 and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Smart Phone
Brand Name	ONEPLUS
Model Name	LE2127
FCC ID	2ABZ2-EF14A
EUT supports Radios application	CDMA/GSM/WCDMA/LTE/5G NR WLAN 2.4GHz 802.11b/g/n/ac HT20/HT40/VHT20/VHT40 WLAN 2.4GHz 802.11ax HE20/HE40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80/VHT160 WLAN 5GHz 802.11ax HE20/HE40/HE80/HE160 Bluetooth BR / EDR / LE / ANT+ GNSS/NFC/WPT
IMEI Code	Conducted: 990016750029629 Conduction: 990016750028217 Radiation: 990016750028241
HW Version	22
SW Version	11.2.0.0.LE5ACB
EUT Stage	Production Unit

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

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna	<MIMO Ant.1+2> <5180 MHz ~ 5240 MHz> 802.11a : 21.22 dBm / 0.1324 W 802.11n HT20 : 21.01 dBm / 0.1262 W 802.11n HT40 : 21.15 dBm / 0.1303 W 802.11ac VHT20 : 20.93 dBm / 0.1239 W 802.11ac VHT40 : 21.03 dBm / 0.1268 W 802.11ac VHT80 : 20.09 dBm / 0.1021 W 802.11ac VHT160 : 18.98 dBm / 0.0791 W 802.11ax HE20 : 21.11 dBm / 0.1291 W 802.11ax HE40 : 21.11 dBm / 0.1291 W 802.11ax HE80 : 20.25 dBm / 0.1059 W 802.11ax HE160 : 19.04 dBm / 0.0802 W <5260 MHz ~ 5320 MHz> 802.11a : 21.26 dBm / 0.1337 W 802.11n HT20 : 20.98 dBm / 0.1253 W 802.11n HT40 : 21.05 dBm / 0.1274 W 802.11ac VHT20 : 20.90 dBm / 0.1230 W 802.11ac VHT40 : 20.93 dBm / 0.1239 W 802.11ac VHT80 : 19.99 dBm / 0.0998 W 802.11ax HE20 : 21.06 dBm / 0.1276 W 802.11ax HE40 : 20.95 dBm / 0.1245 W 802.11ax HE80 : 20.18 dBm / 0.1042 W <5500 MHz ~ 5720 MHz > 802.11a : 21.16 dBm / 0.1306 W 802.11n HT20 : 21.00 dBm / 0.1259 W 802.11n HT40 : 21.23 dBm / 0.1327 W 802.11ac VHT20 : 20.92 dBm / 0.1236 W 802.11ac VHT40 : 21.12 dBm / 0.1294 W 802.11ac VHT80 : 19.90 dBm / 0.0977 W 802.11ac VHT160 : 20.23 dBm / 0.1054 W 802.11ax HE20 : 21.10 dBm / 0.1288 W 802.11ax HE40 : 21.16 dBm / 0.1306 W 802.11ax HE80 : 20.03 dBm / 0.1007 W 802.11ax HE160 : 20.30 dBm / 0.1072 W
99% Occupied Bandwidth	<MIMO Ant.1+2> <5180 MHz ~ 5240 MHz> 802.11a : 16.48 MHz 802.11n HT20 : 17.63 MHz 802.11n HT40 : 36.36 MHz 802.11ac VHT80 : 76.48 MHz 802.11ac VHT160 : 154.73 MHz 802.11ax HE20 : 18.98 MHz 802.11ax HE40 : 37.96 MHz 802.11ax HE80 : 78.16 MHz 802.11ax HE160 : 156.00 MHz <5260 MHz ~ 5320 MHz> 802.11a : 16.43 MHz

	802.11n HT20 : 17.63 MHz 802.11n HT40 : 36.36 MHz 802.11ac VHT80 : 76.60 MHz 802.11ax HE20 : 18.98 MHz 802.11ax HE40 : 38.06 MHz 802.11ax HE80 : 78.16 MHz <5500 MHz ~ 5720 MHz > 802.11a : 16.48 MHz 802.11n HT20 : 17.63 MHz 802.11n HT40 : 36.36 MHz 802.11ac VHT80 : 76.60 MHz 802.11ac VHT160 : 154.41 MHz 802.11ax HE20 : 19.03 MHz 802.11ax HE40 : 38.06 MHz 802.11ax HE80 : 78.16 MHz 802.11ax HE160 : 156.32 MHz								
Antenna Type / Gain	<5150 MHz ~ 5250 MHz> <Ant. 1> : PIFA Antenna with gain -3.00 dBi <Ant. 2> : PIFA Antenna with gain -3.00 dBi <5250 MHz ~ 5350 MHz> <Ant. 1> : PIFA Antenna with gain -3.00 dBi <Ant. 2> : PIFA Antenna with gain -3.00 dBi <5470 MHz ~ 5725 MHz> <Ant. 1> : PIFA Antenna with gain -3.00 dBi <Ant. 2> : PIFA Antenna with gain -3.00 dBi								
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac/ax : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM /4096QAM)								
Antenna Function Description	<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>				Ant. 1	Ant. 2	802.11 a/n/ac/ax MIMO	V	V
	Ant. 1	Ant. 2							
802.11 a/n/ac/ax MIMO	V	V							

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 the higher conducted power.

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.
	03CH03-SZ	CN1256	421272

1.7 Test Software

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



1.8 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42 [#]	5210	50 ²	5250
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (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)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	114 ²	5570
	102*	5510	116	5580
	104	5520	132	5660
	106 [#]	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700
	112	5560		



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

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138 [#]	5690	144	5720
	142*	5710		

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 "²" 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 : GSM 850 Idle + Bluetooth Link + WLAN Link(5G) + USB Cable 1(Charging from Adapter) + Battery
Remark: For Radiated Test Cases, The tests were performance with Adapter, Battery and USB Cable 1.	



Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	-
Straddle		-	-	138

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT160	802.11ac VHT160	802.11ac VHT160
L	Low	-	-	-
M	Middle	50	-	114
H	High	-	-	-
Straddle		-	-	-



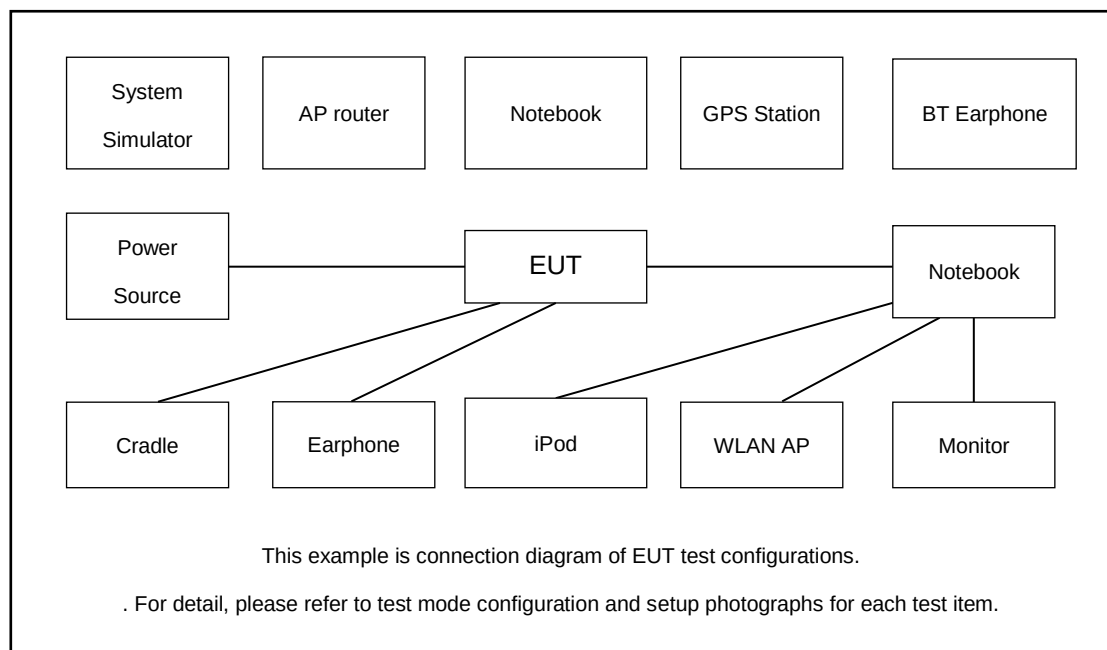
Ch. #		Band I : 5180-5240 MHz	Band II : 5260-5320 MHz	Band III : 5500-5720MHz
		802.11ax HE20	8 802.11ax HE20	802.11ax HE20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I : 5180-5240 MHz	Band II : 5260-5320 MHz	Band III : 5500-5720MHz
		802.11ax HE40	802.11ax HE40	802.11ax HE40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		Band I : 5180-5240 MHz	Band II : 5260-5320 MHz	Band III : 5500-5720MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ax HE160	802.11ax HE160	802.11ax HE160
L	Low	-	-	-
M	Middle	50	-	114
H	High	-	-	-
Straddle		-	-	-

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Base Station(GSM)	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	Bluetooth Earphone	Samsung	EO-MG900	PYAHS-107W	N/A	N/A
3.	WLAN AP	D-link	DIR-820L	KA2IR820LA1	N/A	Unshielded,1.8m

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 5.1 dB and 20dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 5.1 + 20 = 25.1 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

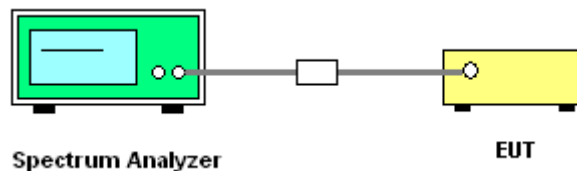
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

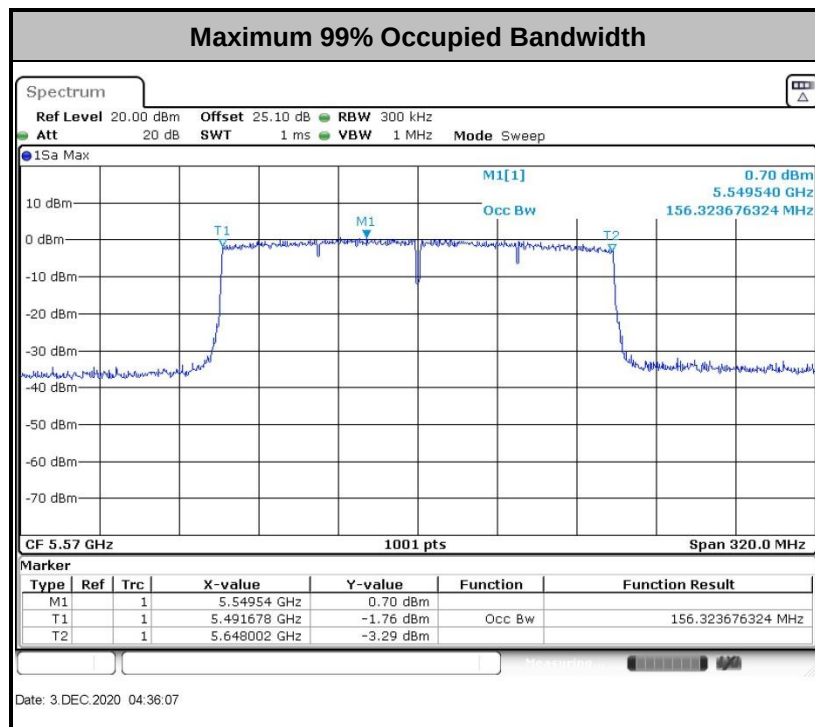
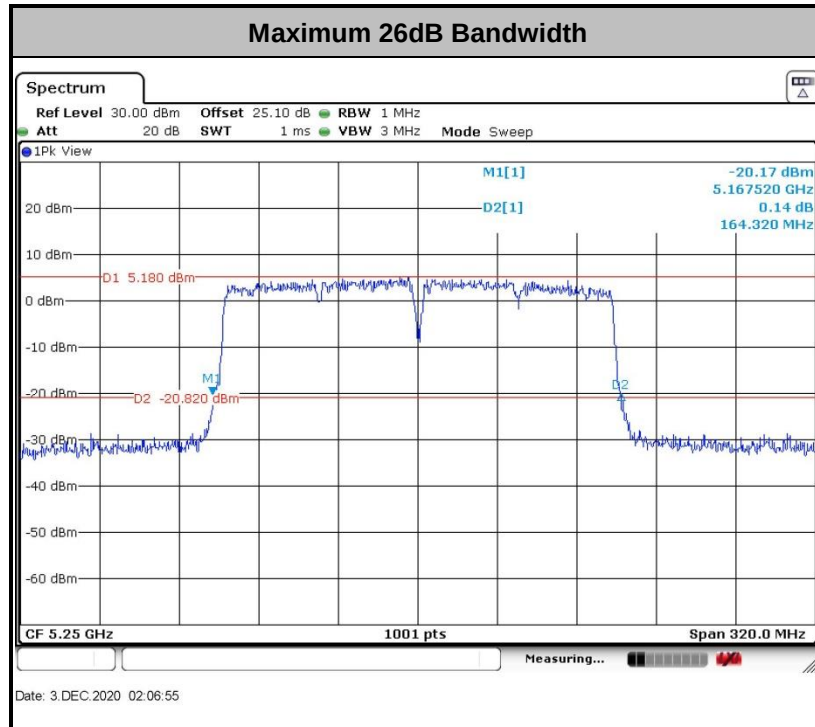
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1MHz and set the Video bandwidth (VBW) $\geq 3 * \text{RBW}$.
8. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



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



3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

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

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

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

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

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

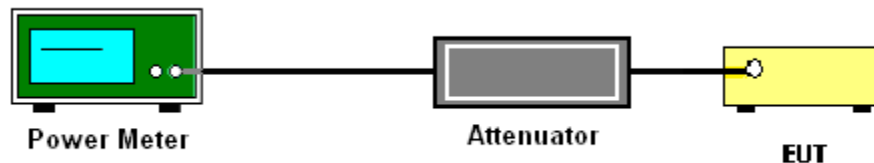
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

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

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

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Method SA-2

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

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

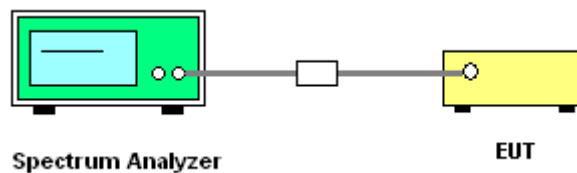
dB if the duty cycle is 25 percent.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. 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.

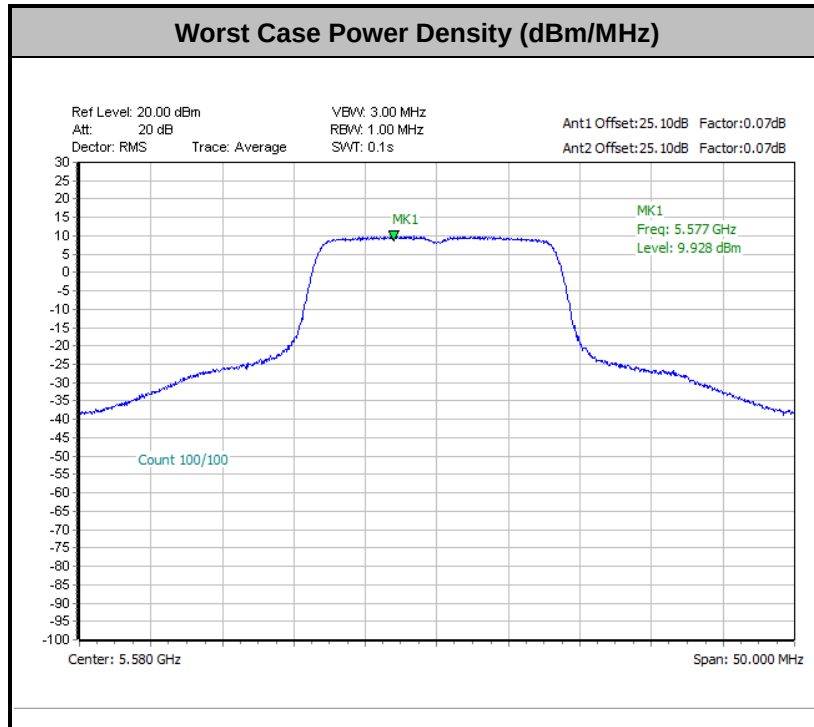
3.3.4 Test Setup





3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



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.

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

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.

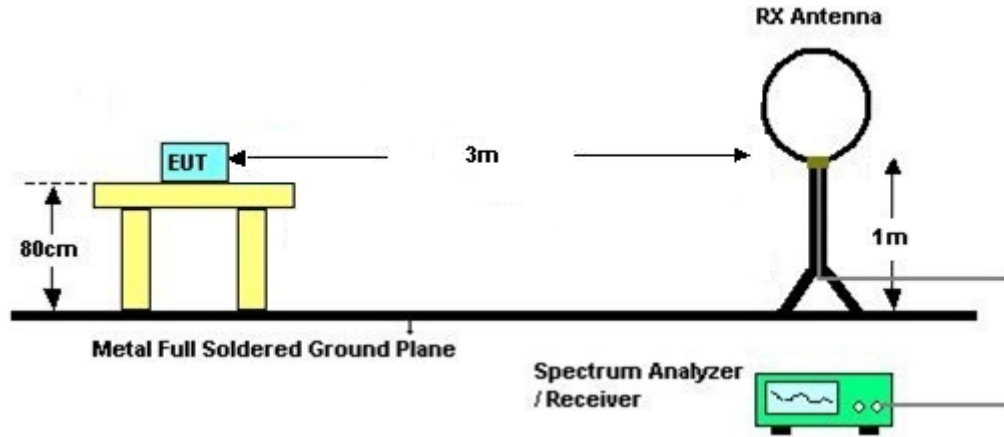


3.4.3 Test Procedures

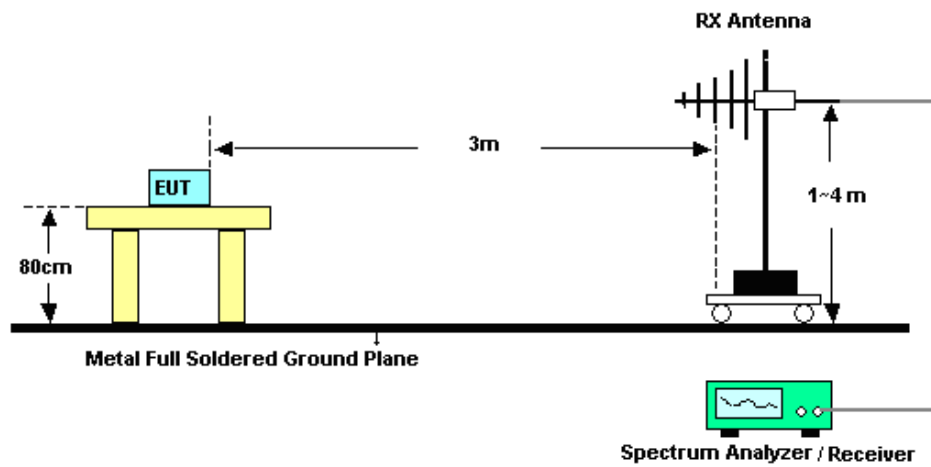
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
 - (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

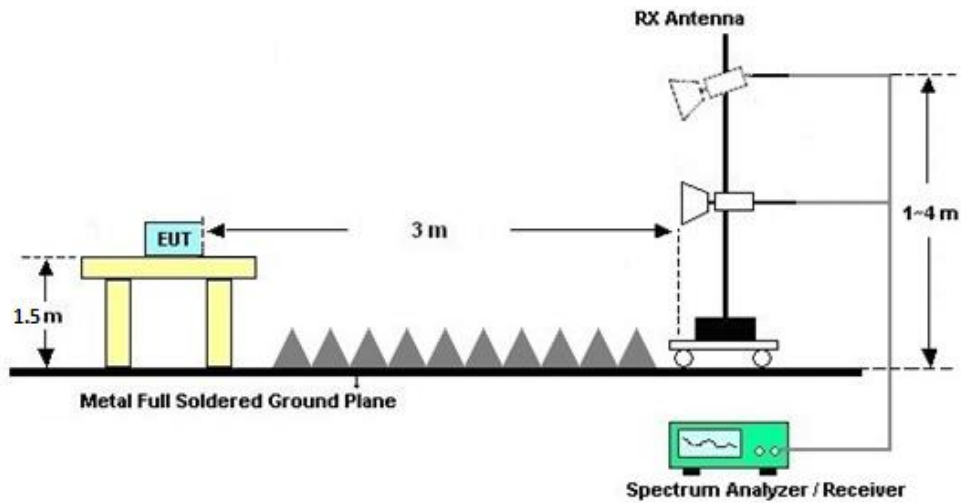
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



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.

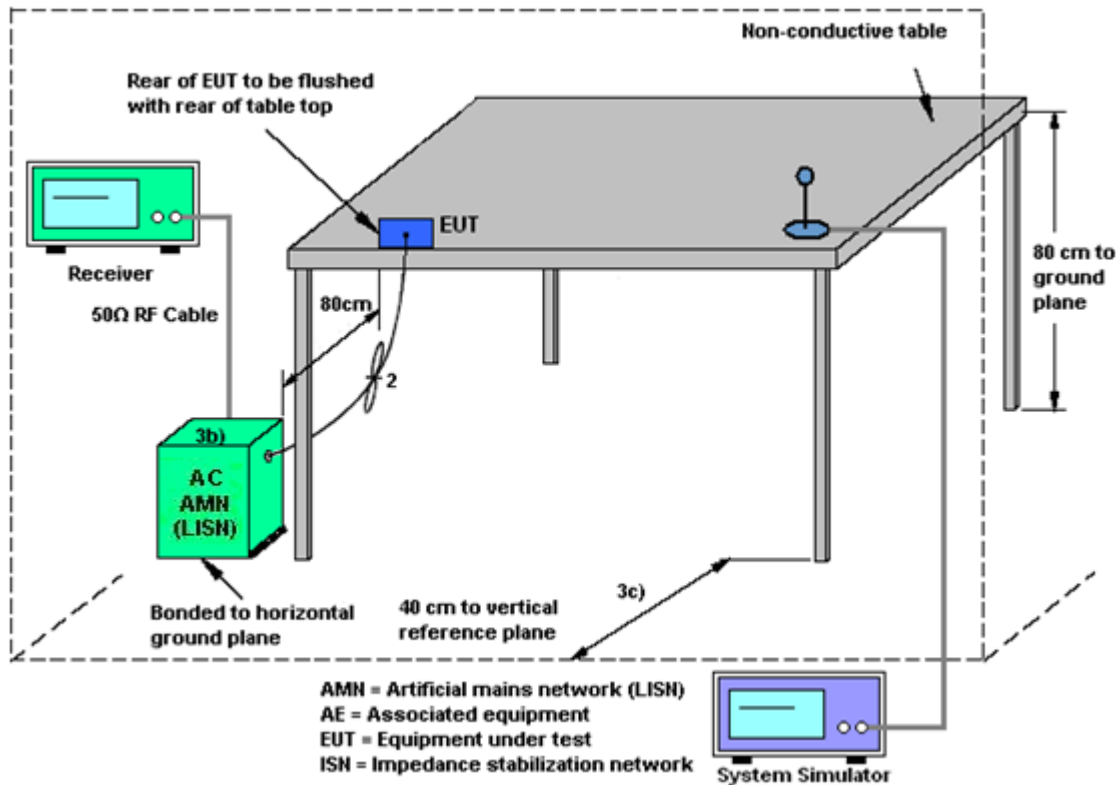
3.5.2 Measuring Instruments

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 = $10 \log(\text{NANT}/\text{NSS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $\text{NANT} \leq 4$.

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

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

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



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 17, 2020	Dec. 03, 2020	Apr. 16, 2021	Conducted (TH01-SZ)
Pulse Power Sensor	Anritsu	MA2411B	1207253	30MHz~40GHz	Dec. 24, 2019	Dec. 03, 2020	Dec. 23, 2020	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Dec. 24, 2019	Dec. 03, 2020	Dec. 23, 2020	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 17, 2020	Dec. 19, 2020	Apr. 16, 2021	Radiation (03CH03-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 17, 2020	Dec. 19, 2020	Apr. 16, 2021	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	Dec. 19, 2020	Jun. 21, 2022	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz~2GHz	Jun. 22, 2020	Dec. 19, 2020	Jun. 21, 2022	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 30, 2020	Dec. 19, 2020	Apr. 29, 2021	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 21, 2020	Dec. 19, 2020	Jul. 20, 2021	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18GHz~40GHz	Apr. 23, 2020	Dec. 19, 2020	Apr. 22, 2021	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102210	0.01Hz~3000MHz	Oct. 17, 2019	Dec. 19, 2020	Oct. 16, 2021	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 17, 2019	Dec. 19, 2020	Oct. 15, 2021	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 26, 2019	Dec. 19, 2020	Dec. 25, 2020	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Dec. 19, 2020	NCR	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Dec. 19, 2020	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Dec. 19, 2020	NCR	Radiation (03CH03-SZ)
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Dec. 26, 2019	Nov. 27, 2020	Dec. 25, 2020	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2 LISN	00103912	9kHz~30MHz	Dec. 26, 2019	Nov. 27, 2020	Dec. 25, 2020	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 15, 2020	Nov. 27, 2020	Oct. 14, 2021	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 21, 2020	Nov. 27, 2020	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% ($U = 2Uc(y)$)	2.7dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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Appendix A. Conducted Test Results

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Zhang Jiang	Temperature:	21~25	°C
Test Date:	2020/12/3	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	16.48	16.38	21.08	20.53	-	-	22.14	-	
11a	6Mbps	2	44	5220	16.43	16.38	21.23	20.38	-	-	22.14	-	
11a	6Mbps	2	48	5240	16.43	16.38	21.48	20.58	-	-	22.14	-	
HT20	MCS0	2	36	5180	17.63	17.63	22.38	21.98	-	-	22.46	-	
HT20	MCS0	2	44	5220	17.63	17.63	22.28	22.13	-	-	22.46	-	
HT20	MCS0	2	48	5240	17.63	17.63	22.08	21.78	-	-	22.46	-	
HT40	MCS0	2	38	5190	36.36	36.36	41.09	41.09	-	-	23.01	-	
HT40	MCS0	2	46	5230	36.26	36.36	40.73	40.82	-	-	23.01	-	
VHT80	MCS0	2	42	5210	76.48	76.36	82.80	82.00	-	-	23.01	-	
VHT160	MCS0	2	50	5250	154.73	154.41	163.04	164.32	-	-	23.01	-	
HE20	MCS0	2	36	5180	18.93	18.98	22.98	22.73	-	-	22.77	-	
HE20	MCS0	2	44	5220	18.93	18.98	22.83	22.78	-	-	22.77	-	
HE20	MCS0	2	48	5240	18.98	18.93	22.53	22.93	-	-	22.77	-	
HE40	MCS0	2	38	5190	37.96	37.96	41.63	41.45	-	-	23.01	-	
HE40	MCS0	2	46	5230	37.96	37.96	41.54	41.63	-	-	23.01	-	
HE80	MCS0	2	42	5210	78.16	78.04	82.00	82.00	-	-	23.01	-	
HE160	MCS0	2	50	5250	156.00	156.00	162.72	162.40	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC Band I																
Mod.	Data Rate	NTx	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	Full	5180	0.07	0.07	18.26	18.03	21.16	24.00	-3.00			Pass	
11a	6Mbps	2	44	Full	5220	0.07	0.07	18.06	18.35	21.22	24.00	-3.00			Pass	
11a	6Mbps	2	48	Full	5240	0.07	0.07	17.90	18.04	20.98	24.00	-3.00			Pass	
HT20	MCS0	2	36	Full	5180	0.00	0.00	18.05	17.88	20.98	24.00	-3.00			Pass	
HT20	MCS0	2	44	Full	5220	0.00	0.00	17.85	18.15	21.01	24.00	-3.00			Pass	
HT20	MCS0	2	48	Full	5240	0.00	0.00	17.70	17.89	20.81	24.00	-3.00			Pass	
HT40	MCS0	2	38	Full	5190	0.00	0.00	17.37	17.12	20.26	24.00	-3.00			Pass	
HT40	MCS0	2	46	Full	5230	0.00	0.00	18.07	18.20	21.15	24.00	-3.00			Pass	
VHT20	MCS0	2	36	Full	5180	0.00	0.00	17.97	17.79	20.89	24.00	-3.00			Pass	
VHT20	MCS0	2	44	Full	5220	0.00	0.00	17.77	18.06	20.93	24.00	-3.00			Pass	
VHT20	MCS0	2	48	Full	5240	0.00	0.00	17.62	17.80	20.72	24.00	-3.00			Pass	
VHT40	MCS0	2	38	Full	5190	0.00	0.00	17.26	17.00	20.14	24.00	-3.00			Pass	
VHT40	MCS0	2	46	Full	5230	0.00	0.00	17.96	18.08	21.03	24.00	-3.00			Pass	
VHT80	MCS0	2	42	Full	5210	0.00	0.00	17.10	17.05	20.09	24.00	-3.00			Pass	
VHT160	MCS0	2	50	Full	5250	0.00	0.00	15.83	16.11	18.98	24.00	-3.00			Pass	
HE20	MCS0	2	36	Full	5180	0.00	0.00	18.13	17.98	21.07	24.00	-3.00			Pass	
				26/0		0.00	0.00	8.25	7.86	11.07	24.00	-3.00			Pass	
				52/37		0.00	0.00	11.26	11.15	14.22	24.00	-3.00			Pass	
				106/53		0.00	0.00	13.96	14.70	17.36	24.00	-3.00			Pass	
			44	Full	5220	0.00	0.00	17.95	18.25	21.11	24.00	-3.00			Pass	
				Full		0.00	0.00	17.80	17.96	20.89	24.00	-3.00			Pass	
				26/8		0.00	0.00	7.97	7.84	10.92	24.00	-3.00			Pass	
				52/40		0.00	0.00	10.98	11.00	14.00	24.00	-3.00			Pass	
				106/54		0.00	0.00	13.88	14.50	17.21	24.00	-3.00			Pass	
				Full		0.00	0.00	18.18	17.96	21.08	24.00	-3.00			Pass	
HE40	MCS0	2	38	Full	5190	0.00	0.00	15.09	15.16	18.14	24.00	-3.00			Pass	
				242/61		0.00	0.00	17.97	18.22	21.11	24.00	-3.00			Pass	
			46	Full	5230	0.00	0.00	15.22	15.42	18.33	24.00	-3.00			Pass	
				242/62		0.00	0.00	17.21	17.26	20.25	24.00	-3.00			Pass	
HE80	MCS0	2	42	Full	5210	0.00	0.00	14.07	14.86	17.49	24.00	-3.00			Pass	
				484/65		0.00	0.00	13.95	14.75	17.38	24.00	-3.00			Pass	
				484/66		0.00	0.00	15.87	16.18	19.04	24.00	-3.00			Pass	
HE160	MCS0	2	50	Full	5250	0.00	0.00	14.06	14.85	17.48	24.00	-3.00			Pass	
996/67	0.00	0.00	14.06	14.85		17.48	24.00	-3.00			Pass					

TEST RESULTS DATA
Power Spectral Density

FCC Band I															
Mod.	Data Rate	NTx	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	Full	5180	0.07	0.07			9.90	11.00	0.01		Pass	
11a	6Mbps	2	44	Full	5220	0.07	0.07			9.83	11.00	0.01		Pass	
11a	6Mbps	2	48	Full	5240	0.07	0.07			9.75	11.00	0.01		Pass	
HT20	MCS0	2	36	Full	5180	0.00	0.00			9.70	11.00	0.01		Pass	
HT20	MCS0	2	44	Full	5220	0.00	0.00			9.85	11.00	0.01		Pass	
HT20	MCS0	2	48	Full	5240	0.00	0.00			9.45	11.00	0.01		Pass	
HT40	MCS0	2	38	Full	5190	0.00	0.00			6.68	11.00	0.01		Pass	
HT40	MCS0	2	46	Full	5230	0.00	0.00			6.67	11.00	0.01		Pass	
VHT80	MCS0	2	42	Full	5210	0.00	0.00			2.71	11.00	0.01		Pass	
VHT160	MCS0	2	50	Full	5250	0.00	0.00			-0.46	11.00	0.01		Pass	
HE20	MCS0	2	36	Full	5180	0.00	0.00			9.66	11.00	0.01		Pass	
				26/0		0.00	0.00			8.68	11.00	0.01		Pass	
				52/37		0.00	0.00			9.07	11.00	0.01		Pass	
				106/53		0.00	0.00			9.12	11.00	0.01		Pass	
HE20	MCS0	2	44	Full	5220	0.00	0.00			9.69	11.00	0.01		Pass	
HE20	MCS0	2	48	Full	5240	0.00	0.00			9.34	11.00	0.01		Pass	
				26/8		0.00	0.00			8.55	11.00	0.01		Pass	
				52/40		0.00	0.00			8.72	11.00	0.01		Pass	
				106/54		0.00	0.00			9.14	11.00	0.01		Pass	
HE40	MCS0	2	38	Full	5190	0.00	0.00			6.72	11.00	0.01		Pass	
				242/61		0.00	0.00		6.17	11.00	0.01		Pass		
HE40	MCS0	2	46	Full	5230	0.00	0.00		6.61	11.00	0.01		Pass		
				242/62		0.00	0.00		6.38	11.00	0.01		Pass		
HE80	MCS0	2	42	Full	5210	0.00	0.00		2.77	11.00	0.01		Pass		
				484/65		0.00	0.00		2.68	11.00	0.01		Pass		
				484/66		0.00	0.00		2.62	11.00	0.01		Pass		
HE160	MCS0	2	50	Full	5250	0.00	0.00		-0.57	11.00	0.01		Pass		
				996/67		0.00	0.00		-0.60	11.00	0.01		Pass		

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.43	16.38	21.83	20.33	23.14		29.14		23.98		
11a	6Mbps	2	60	5300	16.43	16.38	21.48	20.33	23.14		29.14		23.98		
11a	6Mbps	2	64	5320	16.43	16.38	21.08	20.53	23.14		29.14		23.98		
HT20	MCS0	2	52	5260	17.63	17.58	22.38	21.63	23.45		29.45		23.98		
HT20	MCS0	2	60	5300	17.63	17.58	22.53	21.73	23.45		29.45		23.98		
HT20	MCS0	2	64	5320	17.58	17.58	21.98	21.78	23.45		29.45		23.98		
HT40	MCS0	2	54	5270	36.36	36.36	41.36	40.64	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.36	36.26	41.00	40.82	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.60	76.24	83.28	82.16	23.98		30.00		23.98		
HE20	MCS0	2	52	5260	18.93	18.98	23.73	23.08	23.77		29.77		23.98		
HE20	MCS0	2	60	5300	18.98	18.93	23.43	23.03	23.77		29.77		23.98		
HE20	MCS0	2	64	5320	18.93	18.93	23.28	23.08	23.77		29.77		23.98		
HE40	MCS0	2	54	5270	37.96	37.96	41.54	41.45	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	38.06	37.96	41.45	41.45	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	78.16	78.16	82.80	82.64	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II																
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	Full	5260	0.07	0.07	18.01	17.97	21.00	23.98		-3.00	26.99	Pass	
11a	6Mbps	2	60	Full	5300	0.07	0.07	18.18	17.92	21.06	23.98		-3.00	26.99	Pass	
11a	6Mbps	2	64	Full	5320	0.07	0.07	18.24	18.25	21.26	23.98		-3.00	26.99	Pass	
HT20	MCS0	2	52	Full	5260	0.00	0.00	17.83	17.81	20.83	23.98		-3.00	26.99	Pass	
HT20	MCS0	2	60	Full	5300	0.00	0.00	17.99	17.73	20.87	23.98		-3.00	26.99	Pass	
HT20	MCS0	2	64	Full	5320	0.00	0.00	18.00	17.94	20.98	23.98		-3.00	26.99	Pass	
HT40	MCS0	2	54	Full	5270	0.00	0.00	17.99	17.84	20.93	23.98		-3.00	26.99	Pass	
HT40	MCS0	2	62	Full	5310	0.00	0.00	18.35	17.70	21.05	23.98		-3.00	26.99	Pass	
VHT20	MCS0	2	52	Full	5260	0.00	0.00	17.75	17.72	20.75	23.98		-3.00	26.99	Pass	
VHT20	MCS0	2	60	Full	5300	0.00	0.00	17.91	17.64	20.79	23.98		-3.00	26.99	Pass	
VHT20	MCS0	2	64	Full	5320	0.00	0.00	17.92	17.85	20.90	23.98		-3.00	26.99	Pass	
VHT40	MCS0	2	54	Full	5270	0.00	0.00	17.88	17.72	20.81	23.98		-3.00	26.99	Pass	
VHT40	MCS0	2	62	Full	5310	0.00	0.00	18.24	17.58	20.93	23.98		-3.00	26.99	Pass	
VHT80	MCS0	2	58	Full	5290	0.00	0.00	16.89	17.07	19.99	23.98		-3.00	26.99	Pass	
HE20	MCS0	2	52	Full	5260	0.00	0.00	17.92	17.90	20.92	23.98		-3.00	26.99	Pass	
				26/0		0.00	0.00	8.27	8.05	11.17	23.98		-3.00	26.99	Pass	
				52/37		0.00	0.00	11.21	11.04	14.14	23.98		-3.00	26.99	Pass	
				106/53		0.00	0.00	14.00	14.47	17.25	23.98		-3.00	26.99	Pass	
			64	Full	5320	0.00	0.00	18.11	17.84	20.99	23.98		-3.00	26.99	Pass	
				26/8		0.00	0.00	8.24	8.06	11.16	23.98		-3.00	26.99	Pass	
				52/40		0.00	0.00	11.25	11.06	14.17	23.98		-3.00	26.99	Pass	
				106/54		0.00	0.00	14.12	14.18	17.16	23.98		-3.00	26.99	Pass	
HE40	MCS0	2	54	Full	5270	0.00	0.00	17.91	17.86	20.90	23.98		-3.00	26.99	Pass	
				242/61		0.00	0.00	14.97	15.46	18.23	23.98		-3.00	26.99	Pass	
			62	Full	5310	0.00	0.00	18.23	17.62	20.95	23.98		-3.00	26.99	Pass	
				242/62		0.00	0.00	15.22	15.00	18.12	23.98		-3.00	26.99	Pass	
HE80	MCS0	2	58	Full	5290	0.00	0.00	17.02	17.31	20.18	23.98		-3.00	26.99	Pass	
				484/65		0.00	0.00	14.08	14.58	17.35	23.98		-3.00	26.99	Pass	
				484/66		0.00	0.00	14.05	14.48	17.28	23.98		-3.00	26.99	Pass	

TEST RESULTS DATA
Power Spectral Density

Band II																
Mod.	Data Rate	NTx	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	Full	5260	0.07	0.07			9.70	11.00		0.01		Pass	
11a	6Mbps	2	60	Full	5300	0.07	0.07			9.84	11.00		0.01		Pass	
11a	6Mbps	2	64	Full	5320	0.07	0.07			9.91	11.00		0.01		Pass	
HT20	MCS0	2	52	Full	5260	0.00	0.00			9.28	11.00		0.01		Pass	
HT20	MCS0	2	60	Full	5300	0.00	0.00			9.44	11.00		0.01		Pass	
HT20	MCS0	2	64	Full	5320	0.00	0.00			9.50	11.00		0.01		Pass	
HT40	MCS0	2	54	Full	5270	0.00	0.00			6.40	11.00		0.01		Pass	
HT40	MCS0	2	62	Full	5310	0.00	0.00			6.40	11.00		0.01		Pass	
VHT80	MCS0	2	58	Full	5290	0.00	0.00			2.32	11.00		0.01		Pass	
HE20	MCS0	2	52	Full	5260	0.00	0.00			9.19	11.00		0.01		Pass	
				26/0		0.00	0.00			8.74	11.00		0.01		Pass	
				52/37		0.00	0.00			9.05	11.00		0.01		Pass	
				106/53		0.00	0.00			8.93	11.00		0.01		Pass	
HE20	MCS0	2	60	Full	5300	0.00	0.00			9.19	11.00		0.01		Pass	
HE20	MCS0	2	64	Full	5320	0.00	0.00			9.44	11.00		0.01		Pass	
				26/8		0.00	0.00			8.88	11.00		0.01		Pass	
				52/40		0.00	0.00			8.78	11.00		0.01		Pass	
				106/54		0.00	0.00			8.81	11.00		0.01		Pass	
HE40	MCS0	2	54	Full	5270	0.00	0.00			6.28	11.00		0.01		Pass	
HE40	MCS0	2	62	Full	5310	0.00	0.00		6.22	11.00		0.01		Pass		
				242/62		0.00	0.00		6.11	11.00		0.01		Pass		
HE80	MCS0	2	58	Full	5290	0.00	0.00		2.53	11.00		0.01		Pass		
				484/65		0.00	0.00		2.43	11.00		0.01		Pass		
				484/66		0.00	0.00		2.25	11.00		0.01		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	16.43	16.38	21.08	20.58	23.14		29.14		23.98		
11a	6Mbps	2	116	5580	16.43	16.38	21.23	20.53	23.14		29.14		23.98		
11a	6Mbps	2	140	5700	16.48	16.43	21.63	20.73	23.16		29.16		23.98		
11a	6Mbps	2	144	5720	16.48	16.38	21.48	20.43	23.14		29.14		23.98		
HT20	MCS0	2	100	5500	17.58	17.63	22.08	22.18	23.45		29.45		23.98		
HT20	MCS0	2	116	5580	17.63	17.63	21.88	22.73	23.46		29.46		23.98		
HT20	MCS0	2	140	5700	17.63	17.63	22.68	21.68	23.46		29.46		23.98		
HT20	MCS0	2	144	5720	17.63	17.63	22.48	21.83	23.46		29.46		23.98		
HT40	MCS0	2	102	5510	36.26	36.26	40.91	41.00	23.98		30.00		23.98		
HT40	MCS0	2	110	5550	36.36	36.36	41.27	41.18	23.98		30.00		23.98		
HT40	MCS0	2	134	5670	36.36	36.26	41.18	40.55	23.98		30.00		23.98		
HT40	MCS0	2	142	5710	36.36	36.36	41.00	40.46	23.98		30.00		23.98		
VHT80	MCS0	2	106	5530	76.36	76.48	82.48	82.32	23.98		30.00		23.98		
VHT80	MCS0	2	122	5610	76.60	76.36	82.48	81.84	23.98		30.00		23.98		
VHT80	MCS0	2	138	5690	76.48	76.24	82.80	82.32	23.98		30.00		23.98		
VHT160	MCS0	2	114	5570	154.41	154.41	164.00	164.00	23.98		30.00		23.98		
HE20	MCS0	2	100	5500	18.98	18.98	23.03	23.13	23.78		29.78		23.98		
HE20	MCS0	2	116	5580	18.98	19.03	23.58	23.08	23.78		29.78		23.98		
HE20	MCS0	2	140	5700	18.98	18.98	23.18	23.03	23.78		29.78		23.98		
HE20	MCS0	2	144	5720	18.98	18.98	23.78	22.88	23.78		29.78		23.98		
HE40	MCS0	2	102	5510	38.06	38.06	41.72	41.27	23.98		30.00		23.98		
HE40	MCS0	2	110	5550	37.96	38.06	41.36	41.63	23.98		30.00		23.98		
HE40	MCS0	2	134	5670	37.96	37.96	41.63	41.45	23.98		30.00		23.98		
HE40	MCS0	2	142	5710	37.96	37.96	41.99	41.45	23.98		30.00		23.98		
HE80	MCS0	2	106	5530	78.16	78.16	82.64	82.16	23.98		30.00		23.98		
HE80	MCS0	2	122	5610	78.04	78.16	83.12	82.16	23.98		30.00		23.98		
HE80	MCS0	2	138	5690	78.16	78.16	83.44	82.96	23.98		30.00		23.98		
HE160	MCS0	2	114	5570	156.32	155.68	163.04	163.36	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	0.07	0.07	17.73	18.23	21.00	23.98		-3.00	26.99	Pass	
11a	6Mbps	2	116	Full	5580	0.07	0.07	18.20	18.09	21.16	23.98		-3.00	26.99	Pass	
11a	6Mbps	2	140	Full	5700	0.07	0.07	18.34	17.46	20.93	23.98		-3.00	26.99	Pass	
11a	6Mbps	2	144	Full	5720	0.07	0.07	18.30	17.63	20.99	23.98		-3.00	26.99	Pass	
HT20	MCS0	2	100	Full	5500	0.00	0.00	17.54	18.10	20.84	23.98		-3.00	26.99	Pass	
HT20	MCS0	2	116	Full	5580	0.00	0.00	18.03	17.95	21.00	23.98		-3.00	26.99	Pass	
HT20	MCS0	2	140	Full	5700	0.00	0.00	18.19	17.30	20.78	23.98		-3.00	26.99	Pass	
HT20	MCS0	2	144	Full	5720	0.00	0.00	18.10	17.48	20.81	23.98		-3.00	26.99	Pass	
HT40	MCS0	2	102	Full	5510	0.00	0.00	17.72	18.20	20.98	23.98		-3.00	26.99	Pass	
HT40	MCS0	2	110	Full	5550	0.00	0.00	18.19	18.25	21.23	23.98		-3.00	26.99	Pass	
HT40	MCS0	2	134	Full	5670	0.00	0.00	18.31	17.57	20.97	23.98		-3.00	26.99	Pass	
HT40	MCS0	2	142	Full	5710	0.00	0.00	18.34	17.44	20.92	23.98		-3.00	26.99	Pass	
VHT20	MCS0	2	100	Full	5500	0.00	0.00	17.46	18.01	20.75	23.98		-3.00	26.99	Pass	
VHT20	MCS0	2	116	Full	5580	0.00	0.00	17.95	17.86	20.92	23.98		-3.00	26.99	Pass	
VHT20	MCS0	2	140	Full	5700	0.00	0.00	18.11	17.21	20.69	23.98		-3.00	26.99	Pass	
VHT20	MCS0	2	144	Full	5720	0.00	0.00	18.02	17.39	20.73	23.98		-3.00	26.99	Pass	
VHT40	MCS0	2	102	Full	5510	0.00	0.00	17.61	18.08	20.86	23.98		-3.00	26.99	Pass	
VHT40	MCS0	2	110	Full	5550	0.00	0.00	18.08	18.13	21.12	23.98		-3.00	26.99	Pass	
VHT40	MCS0	2	134	Full	5670	0.00	0.00	18.20	17.45	20.85	23.98		-3.00	26.99	Pass	
VHT40	MCS0	2	142	Full	5710	0.00	0.00	18.23	17.32	20.81	23.98		-3.00	26.99	Pass	
VHT80	MCS0	2	106	Full	5530	0.00	0.00	16.44	17.23	19.86	23.98		-3.00	26.99	Pass	
VHT80	MCS0	2	122	Full	5610	0.00	0.00	16.70	16.95	19.84	23.98		-3.00	26.99	Pass	
VHT80	MCS0	2	138	Full	5690	0.00	0.00	17.18	16.57	19.90	23.98		-3.00	26.99	Pass	
VHT160	MCS0	2	114	Full	5570	0.00	0.00	17.11	17.33	20.23	23.98		-3.00	26.99	Pass	
HE20	MCS0	2	100	Full	5500	0.00	0.00	17.63	18.21	20.94	23.98		-3.00	26.99	Pass	
				26/0		0.00	0.00	7.82	8.51	11.19	23.98		-3.00	26.99	Pass	
				52/37		0.00	0.00	10.66	11.61	14.17	23.98		-3.00	26.99	Pass	
				106/53		0.00	0.00	14.14	14.61	17.39	23.98		-3.00	26.99	Pass	
			116	Full	5580	0.00	0.00	18.12	18.05	21.10	23.98		-3.00	26.99	Pass	
				Full		0.00	0.00	18.20	17.42	20.84	23.98		-3.00	26.99	Pass	
				26/8		0.00	0.00	9.95	9.33	12.66	23.98		-3.00	26.99	Pass	
				52/40		0.00	0.00	12.07	11.36	14.74	23.98		-3.00	26.99	Pass	
			140	106/54	5700	0.00	0.00	14.50	14.70	17.61	23.98		-3.00	26.99	Pass	
				Full		0.00	0.00	18.22	17.50	20.89	23.98		-3.00	26.99	Pass	
				26/8		0.00	0.00	8.37	7.67	11.04	23.98		-3.00	26.99	Pass	
				52/40		0.00	0.00	11.55	10.60	14.11	23.98		-3.00	26.99	Pass	
144	106/54	5720	0.00	0.00	14.18	13.95	17.08	23.98		-3.00	26.99	Pass				
	Full		0.00	0.00	18.22	17.50	20.89	23.98		-3.00	26.99	Pass				
	26/8		0.00	0.00	8.37	7.67	11.04	23.98		-3.00	26.99	Pass				
	52/40		0.00	0.00	11.55	10.60	14.11	23.98		-3.00	26.99	Pass				
HE40	MCS0	2	102	Full	5510	0.00	0.00	17.66	18.25	20.98	23.98		-3.00	26.99	Pass	
				242/61		0.00	0.00	14.23	14.77	17.52	23.98		-3.00	26.99	Pass	
			110	Full	5550	0.00	0.00	18.06	18.24	21.16	23.98		-3.00	26.99	Pass	
				Full		0.00	0.00	18.27	17.55	20.94	23.98		-3.00	26.99	Pass	
			134	242/62	5670	0.00	0.00	15.88	15.28	18.60	23.98		-3.00	26.99	Pass	
				Full		0.00	0.00	18.26	17.45	20.88	23.98		-3.00	26.99	Pass	
HE80	MCS0	2	106	Full	5530	0.00	0.00	16.61	17.36	20.01	23.98		-3.00	26.99	Pass	
				484/65		0.00	0.00	13.20	13.88	16.56	23.98		-3.00	26.99	Pass	
			122	Full	5610	0.00	0.00	16.87	17.14	20.02	23.98		-3.00	26.99	Pass	
				484/66		0.00	0.00	14.73	15.07	17.91	23.98		-3.00	26.99	Pass	
			138	Full	5690	0.00	0.00	17.30	16.72	20.03	23.98		-3.00	26.99	Pass	
				484/66		0.00	0.00	13.98	14.03	17.02	23.98		-3.00	26.99	Pass	
HE160	MCS0	2	114	Full	5570	0.00	0.00	17.18	17.39	20.30	23.98		-3.00	26.99	Pass	
				996/67		0.00	0.00	13.47	13.98	16.74	23.98		-3.00	26.99	Pass	

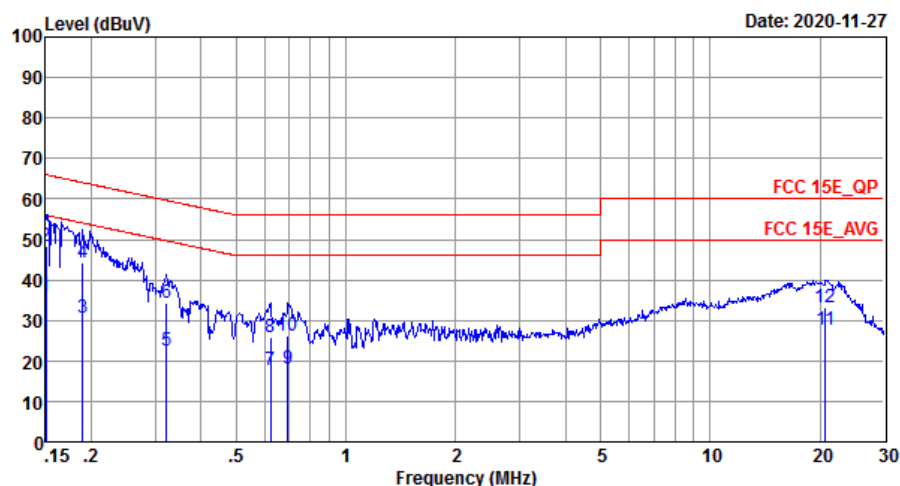
TEST RESULTS DATA
Power Spectral Density

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	0.07	0.07			9.84	11.00	0.01			Pass	
11a	6Mbps	2	116	Full	5580	0.07	0.07			9.93	11.00	0.01			Pass	
11a	6Mbps	2	140	Full	5700	0.07	0.07			9.66	11.00	0.01			Pass	
11a	6Mbps	2	144	Full	5720	0.07	0.07			9.56	11.00	0.01			Pass	
HT20	MCS0	2	100	Full	5500	0.00	0.00			9.44	11.00	0.01			Pass	
HT20	MCS0	2	116	Full	5580	0.00	0.00			9.53	11.00	0.01			Pass	
HT20	MCS0	2	140	Full	5700	0.00	0.00			9.24	11.00	0.01			Pass	
HT20	MCS0	2	144	Full	5720	0.00	0.00			9.26	11.00	0.01			Pass	
HT40	MCS0	2	102	Full	5510	0.00	0.00			6.46	11.00	0.01			Pass	
HT40	MCS0	2	110	Full	5550	0.00	0.00			6.59	11.00	0.01			Pass	
HT40	MCS0	2	134	Full	5670	0.00	0.00			6.37	11.00	0.01			Pass	
HT40	MCS0	2	142	Full	5710	0.00	0.00			6.38	11.00	0.01			Pass	
VHT80	MCS0	2	106	Full	5530	0.00	0.00			2.29	11.00	0.01			Pass	
VHT80	MCS0	2	122	Full	5610	0.00	0.00			2.07	11.00	0.01			Pass	
VHT80	MCS0	2	138	Full	5690	0.00	0.00			2.11	11.00	0.01			Pass	
VHT160	MCS0	2	114	Full	5570	0.00	0.00			-0.44	11.00	0.01			Pass	
HE20	MCS0	2	100	Full	5500	0.00	0.00			9.33	11.00	0.01			Pass	
				26/0		0.00	0.00			8.99	11.00	0.01			Pass	
				52/37		0.00	0.00			9.24	11.00	0.01			Pass	
				106/53		0.00	0.00			9.19	11.00	0.01			Pass	
HE20	MCS0	2	116	Full	5580	0.00	0.00			9.32	11.00	0.01			Pass	
HE20	MCS0	2	140	Full	5700	0.00	0.00			9.17	11.00	0.01			Pass	
				26/8		0.00	0.00			8.77	11.00	0.01			Pass	
				52/40		0.00	0.00			8.30	11.00	0.01			Pass	
				106/54		0.00	0.00			8.32	11.00	0.01			Pass	
HE20	MCS0	2	144	Full	5720	0.00	0.00		9.48	11.00	0.01			Pass		
				26/8		0.00	0.00		8.77	11.00	0.01			Pass		
				52/40		0.00	0.00		8.91	11.00	0.01			Pass		
				106/54		0.00	0.00		8.89	11.00	0.01			Pass		
HE40	MCS0	2	102	Full	5510	0.00	0.00		6.50	11.00	0.01			Pass		
HE40	MCS0	2	110	242/61	5550	0.00	0.00		5.69	11.00	0.01			Pass		
HE40	MCS0	2	134	Full	5670	0.00	0.00		6.87	11.00	0.01			Pass		
HE40	MCS0	2	134	242/62	5670	0.00	0.00		6.21	11.00	0.01			Pass		
HE40	MCS0	2	142	Full	5710	0.00	0.00		5.57	11.00	0.01			Pass		
HE40	MCS0	2	142	242/62	5710	0.00	0.00		6.26	11.00	0.01			Pass		
HE40	MCS0	2	142	Full	5710	0.00	0.00		5.79	11.00	0.01			Pass		
HE80	MCS0	2	106	Full	5530	0.00	0.00		2.41	11.00	0.01			Pass		
HE80	MCS0	2	106	484/65	5530	0.00	0.00		1.72	11.00	0.01			Pass		
HE80	MCS0	2	122	Full	5610	0.00	0.00		2.41	11.00	0.01			Pass		
HE80	MCS0	2	122	484/66	5610	0.00	0.00		2.12	11.00	0.01			Pass		
HE80	MCS0	2	138	Full	5690	0.00	0.00		2.39	11.00	0.01			Pass		
HE80	MCS0	2	138	484/66	5690	0.00	0.00		1.92	11.00	0.01			Pass		
HE160	MCS0	2	114	Full	5570	0.00	0.00		-0.36	11.00	0.01			Pass		
HE160	MCS0	2	114	996/67	5570	0.00	0.00		-1.12	11.00	0.01			Pass		



Appendix B. AC Conducted Emission Test Results

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

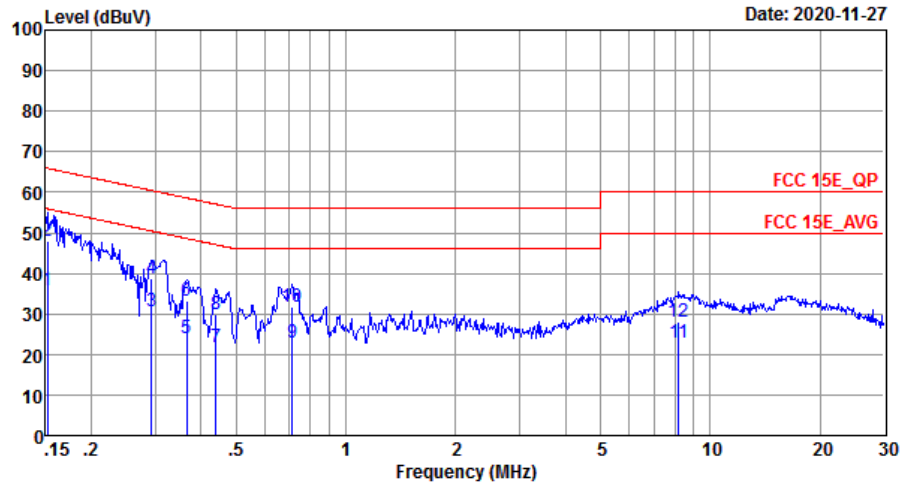


Site : C001-SZ
Condition: FCC 15E_QP LISN_20200719_L LINE

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	36.34	-19.66	56.00	26.30	0.03	10.01	Average
2 *	0.15	48.34	-17.66	66.00	38.30	0.03	10.01	QP
3	0.19	30.54	-23.52	54.06	20.50	0.03	10.01	Average
4	0.19	44.34	-19.72	64.06	34.30	0.03	10.01	QP
5	0.32	22.64	-27.02	49.66	12.60	0.03	10.01	Average
6	0.32	34.24	-25.42	59.66	24.20	0.03	10.01	QP
7	0.62	17.59	-28.41	46.00	7.50	0.02	10.07	Average
8	0.62	25.99	-30.01	56.00	15.90	0.02	10.07	QP
9	0.69	18.19	-27.81	46.00	8.10	0.02	10.07	Average
10	0.69	26.09	-29.91	56.00	16.00	0.02	10.07	QP
11	20.70	27.72	-22.28	50.00	16.10	1.32	10.30	Average
12	20.70	33.32	-26.68	60.00	21.70	1.32	10.30	QP



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



Site : CO01-SZ
Condition: FCC 15E_QP LISN_20200719_N NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.15	35.84	-20.07	55.91	25.80	0.03	10.01	Average
2 *	0.15	47.84	-18.07	65.91	37.80	0.03	10.01	QP
3	0.29	30.64	-19.82	50.46	20.60	0.03	10.01	Average
4	0.29	38.74	-21.72	60.46	28.70	0.03	10.01	QP
5	0.37	24.13	-24.48	48.61	14.10	0.02	10.01	Average
6	0.37	33.33	-25.28	58.61	23.30	0.02	10.01	QP
7	0.44	21.85	-25.22	47.07	11.80	0.02	10.03	Average
8	0.44	29.75	-27.32	57.07	19.70	0.02	10.03	QP
9	0.71	22.79	-23.21	46.00	12.70	0.02	10.07	Average
10	0.71	31.59	-24.41	56.00	21.50	0.02	10.07	QP
11	8.19	22.94	-27.06	50.00	12.60	0.11	10.23	Average
12	8.19	28.04	-31.96	60.00	17.70	0.11	10.23	QP

Note:

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



Appendix C. Radiated Spurious Emission

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preampl 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		5128.7	48.29	-25.71	74	41.94	31.54	7.46	32.65	100	297	P	H
		5148.46	39.4	-14.6	54	32.99	31.57	7.48	32.64	100	297	A	H
	*	5180	109.7	-	-	103.17	31.63	7.53	32.63	100	297	P	H
		5180	101.99	-	-	95.46	31.63	7.53	32.63	100	297	A	H
		5131.04	48.31	-25.69	74	41.96	31.54	7.46	32.65	326	259	P	V
		5148.46	38.5	-15.5	54	32.09	31.57	7.48	32.64	326	259	A	V
	*	5180	107.16	-	-	100.63	31.63	7.53	32.63	326	259	P	V
		5180	99.58	-	-	93.05	31.63	7.53	32.63	326	259	A	V
802.11a CH 44 5220MHz		5130	48.81	-25.19	74	42.46	31.54	7.46	32.65	101	293	P	H
		5150	38.42	-15.58	54	32.01	31.57	7.48	32.64	101	293	A	H
	*	5220	109.05	-	-	102.41	31.69	7.57	32.62	101	293	P	H
		5220	102.56	-	-	95.92	31.69	7.57	32.62	101	293	A	H
		5436.72	45.36	-28.64	74	38.01	32.08	7.79	32.52	101	293	P	H
		5354.88	37.63	-16.37	54	30.57	31.93	7.68	32.55	101	293	A	H
		5107.12	46.49	-27.51	74	40.21	31.51	7.43	32.66	326	259	P	V
		5150	37.76	-16.24	54	31.35	31.57	7.48	32.64	326	259	A	V
	*	5220	107.53	-	-	100.89	31.69	7.57	32.62	326	259	P	V
		5220	100.54	-	-	93.9	31.69	7.57	32.62	326	259	A	V
		5379.84	46.36	-27.64	74	39.21	31.99	7.7	32.54	326	259	P	V
		5350.08	37.52	-16.48	54	30.46	31.93	7.68	32.55	326	259	A	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 48 5240MHz		5086.06	47.3	-26.7	74	41.14	31.45	7.38	32.67	100	296	P	H
		5104.52	38.33	-15.67	54	32.1	31.48	7.41	32.66	100	296	A	H
	*	5240	110.01	-	-	103.31	31.72	7.59	32.61	100	296	P	H
		5240	102.66	-	-	95.96	31.72	7.59	32.61	100	296	A	H
		5385.12	46.86	-27.14	74	39.71	31.99	7.7	32.54	100	296	P	H
		5354.4	38.07	-15.93	54	31.01	31.93	7.68	32.55	100	296	A	H
		5141.18	47.15	-26.85	74	40.75	31.57	7.48	32.65	326	259	P	V
		5149.76	37.39	-16.61	54	30.98	31.57	7.48	32.64	326	259	A	V
	*	5240	107.9	-	-	101.2	31.72	7.59	32.61	326	259	P	V
		5240	102.01	-	-	95.31	31.72	7.59	32.61	326	259	A	V
		5421.6	45.55	-28.45	74	38.28	32.05	7.75	32.53	326	259	P	V
		5350.08	37.29	-16.71	54	30.23	31.93	7.68	32.55	326	259	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	47.79	-20.51	68.3	57.26	38.72	10.8	58.99	152	260	P	H
		15540	47.14	-26.86	74	53.7	38.7	13.67	58.93	189	238	P	H
		10360	47.52	-20.78	68.3	56.99	38.72	10.8	58.99	152	260	P	V
		15540	46.49	-27.51	74	53.05	38.7	13.67	58.93	189	238	P	V
802.11a CH 44 5220MHz		10440	49.87	-18.43	68.3	59.13	38.82	10.84	58.92	150	230	P	H
		15660	47.97	-26.03	74	54.94	38.33	13.76	59.06	160	225	P	H
		10440	49.1	-19.2	68.3	58.36	38.82	10.84	58.92	150	230	P	V
		15660	47.46	-26.54	74	54.43	38.33	13.76	59.06	160	225	P	V
802.11a CH 48 5240MHz		10480	50.02	-18.28	68.3	59.12	38.89	10.87	58.86	150	289	P	H
		15720	47.31	-26.69	74	54.49	38.13	13.81	59.12	150	291	P	H
		10480	50.2	-18.1	68.3	59.3	38.89	10.87	58.86	150	289	P	V
		15720	47.94	-26.06	74	55.12	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.												



Band 1 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5149.5	48.56	-25.44	74	42.15	31.57	7.48	32.64	108	295	P	H
		5149.5	40.19	-13.81	54	33.78	31.57	7.48	32.64	108	295	A	H
	*	5180	107.38	-	-	100.85	31.63	7.53	32.63	108	295	P	H
		5180	98.89	-	-	92.36	31.63	7.53	32.63	108	295	A	H
		5148.72	48.18	-25.82	74	41.77	31.57	7.48	32.64	290	260	P	V
		5149.5	39.8	-14.2	54	33.39	31.57	7.48	32.64	290	260	A	V
	*	5180	105.01	-	-	98.48	31.63	7.53	32.63	290	260	P	V
		5180	96.9	-	-	90.37	31.63	7.53	32.63	290	260	A	V
802.11n HT20 CH 44 5220MHz		5145.08	47.95	-26.05	74	41.54	31.57	7.48	32.64	100	295	P	H
		5149.24	38.71	-15.29	54	32.3	31.57	7.48	32.64	100	295	A	H
	*	5220	108.67	-	-	102.03	31.69	7.57	32.62	100	295	P	H
		5220	102.11	-	-	95.47	31.69	7.57	32.62	100	295	A	H
		5350.08	46.59	-27.41	74	39.53	31.93	7.68	32.55	100	295	P	H
		5355.84	38.27	-15.73	54	31.21	31.93	7.68	32.55	100	295	A	H
		5113.88	46.64	-27.36	74	40.36	31.51	7.43	32.66	286	262	P	V
		5073.84	37.74	-16.26	54	31.58	31.45	7.38	32.67	286	262	A	V
	*	5220	106.23	-	-	99.59	31.69	7.57	32.62	286	262	P	V
		5220	99	-	-	92.36	31.69	7.57	32.62	286	262	A	V
		5420.4	46.03	-27.97	74	38.76	32.05	7.75	32.53	286	262	P	V
		5380.32	37.4	-16.6	54	30.25	31.99	7.7	32.54	286	262	A	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 48 5240MHz		5072.54	48.24	-25.76	74	42.08	31.45	7.38	32.67	100	297	P	H
		5105.3	38.58	-15.42	54	32.35	31.48	7.41	32.66	100	297	A	H
	*	5240	108.79	-	-	102.09	31.72	7.59	32.61	100	297	P	H
		5240	102.04	-	-	95.34	31.72	7.59	32.61	100	297	A	H
		5399.04	46.37	-27.63	74	39.17	32.02	7.71	32.53	100	297	P	H
		5396.88	38.18	-15.82	54	30.99	32.02	7.71	32.54	100	297	A	H
		5101.66	46.54	-27.46	74	40.31	31.48	7.41	32.66	302	260	P	V
		5088.92	37.73	-16.27	54	31.51	31.48	7.41	32.67	302	260	A	V
	*	5240	105.89	-	-	99.19	31.72	7.59	32.61	302	260	P	V
		5240	99.04	-	-	92.34	31.72	7.59	32.61	302	260	A	V
		5374.32	46.1	-27.9	74	38.99	31.96	7.69	32.54	302	260	P	V
		5388.96	37.57	-16.43	54	30.42	31.99	7.7	32.54	302	260	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz
WIFI 802.11n 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	49.4	-18.9	68.3	58.87	38.72	10.8	58.99	152	260	P	H
		15540	47.22	-26.78	74	53.78	38.7	13.67	58.93	189	238	P	H
		10360	49.8	-18.5	68.3	59.27	38.72	10.8	58.99	152	260	P	V
		15540	47.88	-26.12	74	54.44	38.7	13.67	58.93	189	238	P	V
802.11n HT20 CH 44 5220MHz		10440	49.59	-18.71	68.3	58.85	38.82	10.84	58.92	150	230	P	H
		15660	47.44	-26.56	74	54.41	38.33	13.76	59.06	160	225	P	H
		10440	47.64	-20.66	68.3	56.9	38.82	10.84	58.92	150	230	P	V
		15660	46.43	-27.57	74	53.4	38.33	13.76	59.06	160	225	P	V
802.11n HT20 CH 48 5240MHz		10480	50.54	-17.76	68.3	59.64	38.89	10.87	58.86	150	289	P	H
		15720	47.5	-26.5	74	54.68	38.13	13.81	59.12	150	291	P	H
		10480	50.37	-17.93	68.3	59.47	38.89	10.87	58.86	150	289	P	V
		15720	47.67	-26.33	74	54.85	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.												



Band 1 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5149.24	54.6	-19.4	74	48.19	31.57	7.48	32.64	100	296	P	H
		5150	48.82	-5.18	54	42.41	31.57	7.48	32.64	100	296	A	H
	*	5190	104.62	-	-	98.09	31.63	7.53	32.63	100	296	P	H
		5190	97.42	-	-	90.89	31.63	7.53	32.63	100	296	A	H
		5372.92	46.01	-27.99	74	38.91	31.96	7.69	32.55	100	296	P	H
		5350.52	38.16	-15.84	54	31.1	31.93	7.68	32.55	100	296	A	H
		5148.72	54	-20	74	47.59	31.57	7.48	32.64	288	258	P	V
		5150	47.17	-6.83	54	40.76	31.57	7.48	32.64	288	258	A	V
	*	5190	102.39	-	-	95.86	31.63	7.53	32.63	288	258	P	V
		5190	93.73	-	-	87.2	31.63	7.53	32.63	288	258	A	V
		5418	46.05	-27.95	74	38.78	32.05	7.75	32.53	288	258	P	V
		5353.04	37.36	-16.64	54	30.3	31.93	7.68	32.55	288	258	A	V
802.11n HT40 CH 46 5230MHz		5131.56	48.52	-25.48	74	42.17	31.54	7.46	32.65	100	296	P	H
		5149.76	39.4	-14.6	54	32.99	31.57	7.48	32.64	100	296	A	H
	*	5230	106.12	-	-	99.42	31.72	7.59	32.61	100	296	P	H
		5230	99.33	-	-	92.63	31.72	7.59	32.61	100	296	A	H
		5350.08	46.98	-27.02	74	39.92	31.93	7.68	32.55	100	296	P	H
		5355.84	39.06	-14.94	54	32	31.93	7.68	32.55	100	296	A	H
		5085.54	46.59	-27.41	74	40.43	31.45	7.38	32.67	283	259	P	V
		5150	38.2	-15.8	54	31.79	31.57	7.48	32.64	283	259	A	V
	*	5230	104.16	-	-	97.46	31.72	7.59	32.61	283	259	P	V
		5230	96.19	-	-	89.49	31.72	7.59	32.61	283	259	A	V
		5416.08	46.69	-27.31	74	39.42	32.05	7.75	32.53	283	259	P	V
		5388.72	37.72	-16.28	54	30.57	31.99	7.7	32.54	283	259	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz
WIFI 802.11n 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	49.49	-18.81	68.3	58.9	38.75	10.81	58.97	150	360	P	H
		15570	47.76	-26.24	74	54.44	38.59	13.7	58.97	155	360	P	H
		10380	48.63	-19.67	68.3	32.19	38.75	10.81	33.12	150	360	P	V
		15570	47.07	-26.93	74	28.04	38.59	13.7	33.26	155	360	P	V
802.11n HT40 CH 46 5230MHz		10460	49.59	-18.71	68.3	58.8	38.84	10.85	58.9	150	360	P	H
		15690	47.1	-26.9	74	54.17	38.23	13.79	59.09	150	225	P	H
		10460	48.45	-19.85	68.3	57.66	38.84	10.85	58.9	150	360	P	V
		15690	47.51	-26.49	74	54.58	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.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5139.1	57.67	-16.33	74	51.32	31.54	7.46	32.65	100	296	P	H
		5149.5	50.86	-3.14	54	44.45	31.57	7.48	32.64	100	296	A	H
	*	5210	101.91	-	-	95.27	31.69	7.57	32.62	100	296	P	H
		5210	95.85	-	-	89.21	31.69	7.57	32.62	100	296	A	H
		5360.64	46.89	-27.11	74	39.79	31.96	7.69	32.55	100	296	P	H
		5353.44	38.73	-15.27	54	31.67	31.93	7.68	32.55	100	296	A	H
		5149.76	56.01	-17.99	74	49.6	31.57	7.48	32.64	286	260	P	V
		5149.5	47.88	-6.12	54	41.47	31.57	7.48	32.64	286	260	A	V
	*	5210	99.19	-	-	92.55	31.69	7.57	32.62	286	260	P	V
		5210	91.82	-	-	85.18	31.69	7.57	32.62	286	260	A	V
		5389.2	46.94	-27.06	74	39.79	31.99	7.7	32.54	286	260	P	V
		5352	37.65	-16.35	54	30.59	31.93	7.68	32.55	286	260	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10420	50.06	-18.24	68.3	59.37	38.79	10.83	58.93	150	360	P	H
VHT80		15630	47.84	-26.16	74	54.74	38.39	13.75	59.04	150	225	P	H
CH 42		10420	49.69	-18.61	68.3	59	38.79	10.83	58.93	150	360	P	V
5210MHz		15630	47.87	-26.13	74	54.77	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.												



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5114.92	50.65	-23.35	74	44.37	31.51	7.43	32.66	100	296	P	H
		5104.52	39.14	-14.86	54	32.91	31.48	7.41	32.66	100	296	A	H
	*	5260	109.36	-	-	102.55	31.78	7.62	32.59	100	296	P	H
		5260	102.77	-	-	95.96	31.78	7.62	32.59	100	296	A	H
		5355.36	47.97	-26.03	74	40.91	31.93	7.68	32.55	100	296	P	H
		5395.68	38.89	-15.11	54	31.7	32.02	7.71	32.54	100	296	A	H
		5074.36	47.25	-26.75	74	41.09	31.45	7.38	32.67	337	260	P	V
		5108.94	37.32	-16.68	54	31.04	31.51	7.43	32.66	337	260	A	V
	*	5260	107.42	-	-	100.61	31.78	7.62	32.59	337	260	P	V
		5260	100.26	-	-	93.45	31.78	7.62	32.59	337	260	A	V
		5379.12	46.71	-27.29	74	39.56	31.99	7.7	32.54	337	260	P	V
		5412.48	37.29	-16.71	54	30.02	32.05	7.75	32.53	337	260	A	V
802.11a CH 60 5300MHz		5034.65	47.28	-26.72	74	41.32	31.36	7.29	32.69	100	298	P	H
		5150	37.94	-16.06	54	31.53	31.57	7.48	32.64	100	298	A	H
	*	5300	109.43	-	-	102.51	31.84	7.65	32.57	100	298	P	H
		5300	102.61	-	-	95.69	31.84	7.65	32.57	100	298	A	H
		5399.52	47.15	-26.85	74	39.95	32.02	7.71	32.53	100	298	P	H
		5353.68	38.45	-15.55	54	31.39	31.93	7.68	32.55	100	298	A	H
		5118.3	46.86	-27.14	74	40.57	31.51	7.43	32.65	337	260	P	V
		5149.8	37.28	-16.72	54	30.87	31.57	7.48	32.64	337	260	A	V
	*	5300	108.71	-	-	101.79	31.84	7.65	32.57	337	260	P	V
		5300	101.44	-	-	94.52	31.84	7.65	32.57	337	260	A	V
		5374.32	47.15	-26.85	74	40.04	31.96	7.69	32.54	337	260	P	V
		5384.64	37.71	-16.29	54	30.56	31.99	7.7	32.54	337	260	A	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 64 5320MHz	*	5320	110.03	-	-	103.07	31.87	7.66	32.57	108	49	P	H
		5320	103.19	-	-	96.23	31.87	7.66	32.57	108	49	A	H
		5416.48	47.34	-26.66	74	40.07	32.05	7.75	32.53	108	49	P	H
		5350.08	39.31	-14.69	54	32.25	31.93	7.68	32.55	108	49	A	H
	*	5320	109.47	-	-	102.51	31.87	7.66	32.57	276	256	P	V
		5320	102.41	-	-	95.45	31.87	7.66	32.57	276	256	A	V
		5425.92	46.6	-27.4	74	39.32	32.05	7.75	32.52	276	256	P	V
		5350.08	38.63	-15.37	54	31.57	31.93	7.68	32.55	276	256	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	49.86	-18.44	68.3	58.86	38.94	10.88	58.82	150	220	P	H
		15780	47.49	-26.51	74	54.85	37.97	13.85	59.18	159	345	P	H
		10520	49.81	-18.49	68.3	58.81	38.94	10.88	58.82	150	220	P	V
		15780	47.89	-26.11	74	55.25	37.97	13.85	59.18	159	345	P	V
802.11a CH 60 5300MHz		10600	47.78	-26.22	74	56.53	39.05	10.93	58.73	185	215	P	H
		15900	47.54	-26.46	74	55.29	37.61	13.94	59.3	196	190	P	H
		10600	47.71	-26.29	74	56.46	39.05	10.93	58.73	185	215	P	V
		15900	47.46	-26.54	74	55.21	37.61	13.94	59.3	196	190	P	V
802.11a CH 64 5320MHz		10640	47.29	-26.71	74	55.93	39.1	10.95	58.69	152	135	P	H
		15960	47.58	-26.42	74	55.56	37.4	13.99	59.37	173	245	P	H
		10640	46.26	-27.74	74	54.9	39.1	10.95	58.69	152	135	P	V
		15960	47.77	-26.23	74	55.75	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.												



Band 2 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5094.64	47.45	-26.55	74	41.22	31.48	7.41	32.66	100	296	P	H
		5113.1	38.61	-15.39	54	32.33	31.51	7.43	32.66	100	296	A	H
	*	5260	107.9	-	-	101.09	31.78	7.62	32.59	100	296	P	H
		5260	100.49	-	-	93.68	31.78	7.62	32.59	100	296	A	H
		5430.72	46.02	-27.98	74	38.67	32.08	7.79	32.52	100	296	P	H
		5399.28	38.23	-15.77	54	31.03	32.02	7.71	32.53	100	296	A	H
		5089.7	46.71	-27.29	74	40.49	31.48	7.41	32.67	301	259	P	V
		5112.58	37.74	-16.26	54	31.46	31.51	7.43	32.66	301	259	A	V
	*	5260	105.3	-	-	98.49	31.78	7.62	32.59	301	259	P	V
		5260	98.05	-	-	91.24	31.78	7.62	32.59	301	259	A	V
		5382.48	45.35	-28.65	74	38.2	31.99	7.7	32.54	301	259	P	V
		5417.76	37.52	-16.48	54	30.25	32.05	7.75	32.53	301	259	A	V
802.11n HT20 CH 60 5300MHz		5137.55	47.01	-26.99	74	40.66	31.54	7.46	32.65	100	295	P	H
		5149.5	38.61	-15.39	54	32.2	31.57	7.48	32.64	100	295	A	H
	*	5300	108.2	-	-	101.28	31.84	7.65	32.57	100	295	P	H
		5300	101.48	-	-	94.56	31.84	7.65	32.57	100	295	A	H
		5443.68	47.77	-26.23	74	40.42	32.08	7.79	32.52	100	295	P	H
		5440.56	38.29	-15.71	54	30.94	32.08	7.79	32.52	100	295	A	H
		5094.15	47.48	-26.52	74	41.25	31.48	7.41	32.66	294	259	P	V
		5149.45	37.9	-16.1	54	31.49	31.57	7.48	32.64	294	259	A	V
	*	5300	106.48	-	-	99.56	31.84	7.65	32.57	294	259	P	V
		5300	99.24	-	-	92.32	31.84	7.65	32.57	294	259	A	V
		5436.72	47.24	-26.76	74	39.89	32.08	7.79	32.52	294	259	P	V
		5460	37.72	-16.28	54	30.28	32.11	7.84	32.51	294	259	A	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 64 5320MHz	*	5320	108.19	-	-	101.23	31.87	7.66	32.57	100	294	P	H
		5320	100.22	-	-	93.26	31.87	7.66	32.57	100	294	A	H
		5350.24	47.85	-26.15	74	40.79	31.93	7.68	32.55	100	294	P	H
		5350.08	40.42	-13.58	54	33.36	31.93	7.68	32.55	100	294	A	H
	*	5320	106.79	-	-	99.83	31.87	7.66	32.57	313	260	P	V
		5320	99.29	-	-	92.33	31.87	7.66	32.57	313	260	A	V
		5351.52	46.75	-27.25	74	39.69	31.93	7.68	32.55	313	260	P	V
		5350.08	38.97	-15.03	54	31.91	31.93	7.68	32.55	313	260	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		10520	50.08	-18.22	68.3	59.08	38.94	10.88	58.82	150	220	P	H
HT20		15780	47.39	-26.61	74	54.75	37.97	13.85	59.18	159	345	P	H
CH 52		10520	49.84	-18.46	68.3	58.84	38.94	10.88	58.82	150	220	P	V
5260MHz		15780	46.98	-27.02	74	54.34	37.97	13.85	59.18	159	345	P	V
802.11n		10600	47.55	-26.45	74	56.3	39.05	10.93	58.73	185	215	P	H
HT20		15900	47.43	-26.57	74	55.18	37.61	13.94	59.3	196	190	P	H
CH 60		10600	47.86	-26.14	74	56.61	39.05	10.93	58.73	185	215	P	V
5300MHz		15900	47.73	-26.27	74	55.48	37.61	13.94	59.3	196	190	P	V
802.11n		10640	47.58	-26.42	74	56.22	39.1	10.95	58.69	152	135	P	H
HT20		15960	47.27	-26.73	74	55.25	37.4	13.99	59.37	173	245	P	H
CH 64		10640	47.38	-26.62	74	56.02	39.1	10.95	58.69	152	135	P	V
5320MHz		15960	47.26	-26.74	74	55.24	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.												



Band 2 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5113.4	47.32	-26.68	74	41.04	31.51	7.43	32.66	100	295	P	H
		5131.95	39.12	-14.88	54	32.77	31.54	7.46	32.65	100	295	A	H
	*	5270	105.45	-	-	98.64	31.78	7.62	32.59	100	295	P	H
		5270	98.7	-	-	91.89	31.78	7.62	32.59	100	295	A	H
		5399.52	47.9	-26.1	74	40.7	32.02	7.71	32.53	100	295	P	H
		5399.52	38.96	-15.04	54	31.76	32.02	7.71	32.53	100	295	A	H
		5115.5	46.53	-27.47	74	40.25	31.51	7.43	32.66	300	261	P	V
		5126	38.22	-15.78	54	31.87	31.54	7.46	32.65	300	261	A	V
	*	5270	103.72	-	-	96.91	31.78	7.62	32.59	300	261	P	V
		5270	96.08	-	-	89.27	31.78	7.62	32.59	300	261	A	V
		5352.96	48.19	-25.81	74	41.13	31.93	7.68	32.55	300	261	P	V
		5399.52	38.02	-15.98	54	30.82	32.02	7.71	32.53	300	261	A	V
802.11n HT40 CH 62 5310MHz		5143.85	47.11	-26.89	74	40.7	31.57	7.48	32.64	100	295	P	H
		5149.5	38.74	-15.26	54	32.33	31.57	7.48	32.64	100	295	A	H
	*	5310	106.2	-	-	99.24	31.87	7.66	32.57	100	295	P	H
		5310	98.05	-	-	91.09	31.87	7.66	32.57	100	295	A	H
		5350.32	61.34	-12.66	74	54.28	31.93	7.68	32.55	100	295	P	H
		5350.08	50.65	-3.35	54	43.59	31.93	7.68	32.55	100	295	A	H
		5144.55	46.93	-27.07	74	40.52	31.57	7.48	32.64	313	262	P	V
		5149.1	37.94	-16.06	54	31.53	31.57	7.48	32.64	313	262	A	V
	*	5310	103.87	-	-	96.91	31.87	7.66	32.57	313	262	P	V
		5310	96.15	-	-	89.19	31.87	7.66	32.57	313	262	A	V
		5350.08	59.34	-14.66	74	52.28	31.93	7.68	32.55	313	262	P	V
		5350.08	48.31	-5.69	54	41.25	31.93	7.68	32.55	313	262	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	50.28	-18.02	68.3	59.23	38.96	10.89	58.8	150	220	P	H
		15810	47.91	-26.09	74	55.38	37.87	13.87	59.21	168	345	P	H
		10540	49.41	-18.89	68.3	58.36	38.96	10.89	58.8	150	220	P	V
		15810	47.76	-26.24	74	55.23	37.87	13.87	59.21	168	345	P	V
802.11n HT40 CH 62 5310MHz		10620	47.81	-26.19	74	56.5	39.08	10.94	58.71	150	220	P	H
		15930	46.77	-27.23	74	54.63	37.51	13.96	59.33	160	100	P	H
		10620	47.9	-26.1	74	56.59	39.08	10.94	58.71	150	220	P	V
		15930	46.13	-27.87	74	53.99	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.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5127.05	48.7	-25.3	74	42.35	31.54	7.46	32.65	100	296	P	H
		5149.8	39.12	-14.88	54	32.71	31.57	7.48	32.64	100	296	A	H
	*	5290	102.56	-	-	95.69	31.81	7.64	32.58	100	296	P	H
		5290	94.22	-	-	87.35	31.81	7.64	32.58	100	296	A	H
		5352	58.07	-15.93	74	51.01	31.93	7.68	32.55	100	296	P	H
		5350.32	50.52	-3.48	54	43.46	31.93	7.68	32.55	100	296	A	H
		5062.3	46.48	-27.52	74	40.39	31.42	7.35	32.68	299	268	P	V
		5138.25	37.87	-16.13	54	31.52	31.54	7.46	32.65	299	268	A	V
	*	5290	99.1	-	-	92.23	31.81	7.64	32.58	299	268	P	V
		5290	91.65	-	-	84.78	31.81	7.64	32.58	299	268	A	V
		5355.6	53.86	-20.14	74	46.8	31.93	7.68	32.55	299	268	P	V
		5350.32	46.5	-7.5	54	39.44	31.93	7.68	32.55	299	268	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10580	50.12	-18.18	68.3	58.92	39.03	10.92	58.75	185	215	P	H
VHT80		15870	47.4	-26.6	74	55.1	37.66	13.92	59.28	196	190	P	H
CH 58		10580	50.47	-17.83	68.3	59.27	39.03	10.92	58.75	170	232	P	V
5290MHz		15870	47.72	-26.28	74	55.42	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.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz	*	5453.04	48.21	-25.79	74	40.77	32.11	7.84	32.51	100	61	P	H
		5470	50.62	-17.68	68.3	43.11	32.14	7.88	32.51	100	61	P	H
		5460	39.39	-14.61	54	31.95	32.11	7.84	32.51	100	61	A	H
		5500	110.35	-	-	102.69	32.2	7.96	32.5	100	61	P	H
		5500	103.87	-	-	96.21	32.2	7.96	32.5	100	61	A	H
	*	5350.96	46.66	-27.34	74	39.6	31.93	7.68	32.55	276	256	P	V
		5467.44	46.59	-21.71	68.3	39.08	32.14	7.88	32.51	276	256	P	V
		5458.96	38.38	-15.62	54	30.94	32.11	7.84	32.51	276	256	A	V
		5500	109.28	-	-	101.62	32.2	7.96	32.5	276	256	P	V
		5500	101.98	-	-	94.32	32.2	7.96	32.5	276	256	A	V
802.11a CH 116 5580MHz		5428.96	46.59	-27.41	74	39.24	32.08	7.79	32.52	102	60	P	H
		5466.88	46.86	-21.44	68.3	39.35	32.14	7.88	32.51	102	60	P	H
		5459.68	38.22	-15.78	54	30.78	32.11	7.84	32.51	102	60	A	H
	*	5580	111.21	-	-	103.51	32.23	7.97	32.5	102	60	P	H
		5580	105.01	-	-	97.31	32.23	7.97	32.5	102	60	A	H
		5736.335	47.88	-20.42	68.3	39.66	32.3	8.42	32.5	102	60	P	H
		5437.6	46.54	-27.46	74	39.19	32.08	7.79	32.52	300	267	P	V
		5461.84	46.18	-22.12	68.3	38.74	32.11	7.84	32.51	300	267	P	V
		5443.36	37.83	-16.17	54	30.48	32.08	7.79	32.52	300	267	A	V
	*	5580	110.12	-	-	102.42	32.23	7.97	32.5	300	267	P	V
		5580	102.7	-	-	95	32.23	7.97	32.5	300	267	A	V
		5743.58	47.41	-20.89	68.3	39.19	32.3	8.42	32.5	300	267	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 140 5700MHz	*	5700	110.4	-	-	102.1	32.28	8.52	32.5	101	65	P	H
		5700	102.93	-	-	94.63	32.28	8.52	32.5	101	65	A	H
		5725.64	56.5	-11.8	68.3	48.26	32.29	8.45	32.5	101	65	P	H
	*	5700	109.08	-	-	100.78	32.28	8.52	32.5	300	268	P	V
		5700	102.53	-	-	94.23	32.28	8.52	32.5	300	268	A	V
		5727.24	53.74	-14.56	68.3	45.5	32.29	8.45	32.5	300	268	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	47.6	-26.4	74	55.16	39.6	11.14	58.3	163	230	P	H
		16500	50.4	-17.9	68.3	56.25	38.72	14.27	58.84	196	273	P	H
		11000	47.35	-26.65	74	54.91	39.6	11.14	58.3	155	212	P	V
		16500	50.57	-17.73	68.3	56.42	38.72	14.27	58.84	178	296	P	V
802.11a CH 116 5580MHz		11160	46.98	-27.02	74	54.31	39.5	11.28	58.11	183	32	P	H
		16740	50.98	-17.32	68.3	55.77	39.39	14.4	58.58	163	332	P	H
		11160	47.1	-26.9	74	54.43	39.5	11.28	58.11	170	200	P	V
		16740	50.22	-18.08	68.3	55.01	39.39	14.4	58.58	156	350	P	V
802.11a CH 140 5700MHz		11400	46.45	-27.55	74	53.47	39.36	11.47	57.85	157	285	P	H
		17100	50.02	-18.28	68.3	52.79	40.7	14.69	58.16	165	246	P	H
		11400	46.62	-27.38	74	53.64	39.36	11.47	57.85	122	291	P	V
		17100	50.31	-17.99	68.3	53.08	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.												



Band 3 - 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5459.76	47.01	-26.99	74	39.57	32.11	7.84	32.51	100	298	P	H
		5470	54.78	-13.52	68.3	47.27	32.14	7.88	32.51	100	298	P	H
		5459.12	39.22	-14.78	54	31.78	32.11	7.84	32.51	100	298	A	H
	*	5500	107.89	-	-	100.23	32.2	7.96	32.5	100	298	P	H
		5500	101.29	-	-	93.63	32.2	7.96	32.5	100	298	A	H
		5352.4	45.98	-28.02	74	38.92	31.93	7.68	32.55	310	260	P	V
		5469.84	47.42	-20.88	68.3	39.91	32.14	7.88	32.51	310	260	P	V
		5460	38.37	-15.63	54	30.93	32.11	7.84	32.51	310	260	A	V
	*	5500	107.54	-	-	99.88	32.2	7.96	32.5	310	260	P	V
		5500	100.22	-	-	92.56	32.2	7.96	32.5	310	260	A	V
802.11n HT20 CH 116 5580MHz		5439.52	46.4	-27.6	74	39.05	32.08	7.79	32.52	100	297	P	H
		5468.32	46.84	-21.46	68.3	39.33	32.14	7.88	32.51	100	297	P	H
		5440	38.77	-15.23	54	31.42	32.08	7.79	32.52	100	297	A	H
	*	5580	108.89	-	-	101.19	32.23	7.97	32.5	100	297	P	H
		5580	101.78	-	-	94.08	32.23	7.97	32.5	100	297	A	H
		5728.775	47.45	-20.85	68.3	39.21	32.29	8.45	32.5	100	297	P	H
		5417.2	46.44	-27.56	74	39.17	32.05	7.75	32.53	318	258	P	V
		5466.16	45.21	-23.09	68.3	37.7	32.14	7.88	32.51	318	258	P	V
		5439.04	37.92	-16.08	54	30.57	32.08	7.79	32.52	318	258	A	V
	*	5580	108.64	-	-	100.94	32.23	7.97	32.5	318	258	P	V
		5580	101.25	-	-	93.55	32.23	7.97	32.5	318	258	A	V
		5726.57	47.48	-20.82	68.3	39.24	32.29	8.45	32.5	318	258	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 140 5700MHz	*	5700	107.3	-	-	99	32.28	8.52	32.5	100	63	P	H
		5700	101.56	-	-	93.26	32.28	8.52	32.5	100	63	A	H
		5725.24	52.24	-16.06	68.3	44	32.29	8.45	32.5	100	63	P	H
	*	5700	108.45	-	-	100.15	32.28	8.52	32.5	302	264	P	V
		5700	100.87	-	-	92.57	32.28	8.52	32.5	302	264	A	V
		5725.08	54.16	-14.14	68.3	45.92	32.29	8.45	32.5	302	264	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	47.84	-26.16	74	55.4	39.6	11.14	58.3	163	230	P	H
		16500	49.48	-18.82	68.3	55.33	38.72	14.27	58.84	196	273	P	H
		11000	47.08	-26.92	74	54.64	39.6	11.14	58.3	155	212	P	V
		16500	49.34	-18.96	68.3	55.19	38.72	14.27	58.84	178	296	P	V
802.11n HT20 CH 116 5580MHz		11160	47.2	-26.8	74	54.53	39.5	11.28	58.11	183	32	P	H
		16740	50.2	-18.1	68.3	54.99	39.39	14.4	58.58	163	332	P	H
		11160	47.3	-26.7	74	54.63	39.5	11.28	58.11	170	200	P	V
		16740	49.24	-19.06	68.3	54.03	39.39	14.4	58.58	156	350	P	V
802.11n HT20 CH 140 5700MHz		11400	47.87	-26.13	74	30.58	39.36	11.47	33.54	157	285	P	H
		17100	50.54	-17.76	68.3	53.31	40.7	14.69	58.16	165	246	P	H
		11400	47.56	-26.44	74	54.58	39.36	11.47	57.85	122	291	P	V
		17100	50.64	-17.66	68.3	53.41	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.												



Band 3 - 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5452.72	49.63	-24.37	74	42.19	32.11	7.84	32.51	100	296	P	H
		5469.04	60.13	-8.17	68.3	52.62	32.14	7.88	32.51	100	296	P	H
		5459.92	44.79	-9.21	54	37.35	32.11	7.84	32.51	100	296	A	H
	*	5510	105.69	-	-	98.03	32.2	7.96	32.5	100	296	P	H
		5510	98.72	-	-	91.06	32.2	7.96	32.5	100	296	A	H
		5757.44	45.99	-22.31	68.3	37.8	32.3	8.39	32.5	100	296	P	H
		5453.92	48.51	-25.49	74	41.07	32.11	7.84	32.51	309	263	P	V
		5470	55.03	-13.27	68.3	47.52	32.14	7.88	32.51	309	263	P	V
		5459.92	42.42	-11.58	54	34.98	32.11	7.84	32.51	309	263	A	V
	*	5510	104.51	-	-	96.85	32.2	7.96	32.5	309	263	P	V
		5510	97.79	-	-	90.13	32.2	7.96	32.5	309	263	A	V
		5730.035	46.96	-21.34	68.3	38.72	32.29	8.45	32.5	309	263	P	V
802.11n HT40 CH 110 5550MHz		5406.4	47.12	-26.88	74	39.92	32.02	7.71	32.53	100	64	P	H
		5464.96	47.42	-20.88	68.3	39.91	32.14	7.88	32.51	100	64	P	H
		5441.68	39.33	-14.67	54	31.98	32.08	7.79	32.52	100	64	A	H
	*	5550	106.93	-	-	99.24	32.22	7.97	32.5	100	64	P	H
		5550	99.43	-	-	91.74	32.22	7.97	32.5	100	64	A	H
		5751.77	46.77	-21.53	68.3	38.58	32.3	8.39	32.5	100	64	P	H
		5407.84	46.99	-27.01	74	39.79	32.02	7.71	32.53	306	263	P	V
		5467.12	47.04	-21.26	68.3	39.53	32.14	7.88	32.51	306	263	P	V
		5441.68	38.43	-15.57	54	31.08	32.08	7.79	32.52	306	263	A	V
	*	5550	105.54	-	-	97.85	32.22	7.97	32.5	306	263	P	V
		5550	98.1	-	-	90.41	32.22	7.97	32.5	306	263	A	V
		5741.375	46.93	-21.37	68.3	38.71	32.3	8.42	32.5	306	263	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 134 5670MHz		5397.6	47.02	-26.98	74	39.83	32.02	7.71	32.54	100	62	P	H
		5464.1	46.69	-21.61	68.3	39.18	32.14	7.88	32.51	100	62	P	H
		5459.9	37.51	-16.49	54	30.07	32.11	7.84	32.51	100	62	A	H
	*	5670	107.32	-	-	99.14	32.27	8.41	32.5	100	62	P	H
		5670	99.45	-	-	91.27	32.27	8.41	32.5	100	62	A	H
		5725.275	49.23	-19.07	68.3	40.99	32.29	8.45	32.5	100	62	P	H
		5402.15	46	-28	74	38.8	32.02	7.71	32.53	292	259	P	V
		5469.7	45.66	-22.64	68.3	38.15	32.14	7.88	32.51	292	259	P	V
		5459.9	37.12	-16.88	54	29.68	32.11	7.84	32.51	292	259	A	V
	*	5670	105.87	-	-	97.69	32.27	8.41	32.5	292	259	P	V
		5670	98.59	-	-	90.41	32.27	8.41	32.5	292	259	A	V
		5727.375	48.8	-19.5	68.3	40.56	32.29	8.45	32.5	292	259	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n 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)	Path Loss (dB)	Preamplifier Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	47.4	-26.6	74	54.94	39.59	11.15	58.28	170	230	P	H
		16530	49.51	-18.79	68.3	55.2	38.82	14.29	58.8	160	300	P	H
		11020	47.57	-26.43	74	55.11	39.59	11.15	58.28	170	230	P	V
		16530	50.32	-17.98	68.3	56.01	38.82	14.29	58.8	160	300	P	V
802.11n HT40 CH 110 5550MHz		11100	47.2	-26.8	74	54.63	39.54	11.22	58.19	160	220	P	H
		16650	48.78	-19.52	68.3	53.95	39.15	14.35	58.67	180	353	P	H
		11100	47.33	-26.67	74	54.76	39.54	11.22	58.19	155	210	P	V
		16650	49.54	-18.76	68.3	54.71	39.15	14.35	58.67	171	352	P	V
802.11n HT40 CH 134 5670MHz		11340	47.59	-26.41	74	54.7	39.4	11.42	57.93	195	335	P	H
		17010	48.72	-19.58	68.3	52.24	40.2	14.56	58.28	205	310	P	H
		11340	47.05	-26.95	74	54.16	39.4	11.42	57.93	205	325	P	V
		17010	49.07	-19.23	68.3	52.59	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.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5458.96	53.1	-20.9	74	45.66	32.11	7.84	32.51	100	58	P	H
		5465.2	54.93	-13.37	68.3	47.42	32.14	7.88	32.51	100	58	P	H
		5459.92	46.89	-7.11	54	39.45	32.11	7.84	32.51	100	58	A	H
	*	5530	102.71	-	-	95.04	32.21	7.96	32.5	100	58	P	H
		5530	95.59	-	-	87.92	32.21	7.96	32.5	100	58	A	H
		5749.88	47.76	-20.54	68.3	39.54	32.3	8.42	32.5	100	58	P	H
		5459.44	50.56	-23.44	74	43.12	32.11	7.84	32.51	276	261	P	V
		5470	53.05	-15.25	68.3	45.54	32.14	7.88	32.51	276	261	P	V
		5458.72	43.72	-10.28	54	36.28	32.11	7.84	32.51	276	261	A	V
	*	5530	101.79	-	-	94.12	32.21	7.96	32.5	276	261	P	V
		5530	94.76	-	-	87.09	32.21	7.96	32.5	276	261	A	V
		5729.405	47.31	-20.99	68.3	39.07	32.29	8.45	32.5	276	261	P	V
802.11ac VHT80 CH 122 5610MHz		5421.76	46.74	-27.26	74	39.47	32.05	7.75	32.53	100	57	P	H
		5460.4	46.88	-21.42	68.3	39.44	32.11	7.84	32.51	100	57	P	H
		5458.72	39.17	-14.83	54	31.73	32.11	7.84	32.51	100	57	A	H
	*	5610	102.51	-	-	94.8	32.24	7.97	32.5	100	57	P	H
		5610	95.02	-	-	87.31	32.24	7.97	32.5	100	57	A	H
		5725.8	47.7	-20.6	68.3	39.46	32.29	8.45	32.5	100	57	P	H
		5440.24	46.57	-27.43	74	39.22	32.08	7.79	32.52	313	265	P	V
		5464	46.44	-21.86	68.3	38.93	32.14	7.88	32.51	313	265	P	V
		5459.92	38.43	-15.57	54	30.99	32.11	7.84	32.51	313	265	A	V
	*	5610	102.15	-	-	94.44	32.24	7.97	32.5	313	265	P	V
		5610	93.85	-	-	86.14	32.24	7.97	32.5	313	265	A	V
		5744	46.86	-21.44	68.3	38.64	32.3	8.42	32.5	313	265	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11060	47.16	-26.84	74	54.63	39.56	11.2	58.23	170	230	P	H
VHT80		16590	49.57	-18.73	68.3	55.04	38.96	14.32	58.75	155	305	P	H
CH 106		11060	47.1	-26.9	74	54.57	39.56	11.2	58.23	166	212	P	V
5530MHz		16590	49.39	-18.91	68.3	54.86	38.96	14.32	58.75	132	343	P	V
802.11ac		11220	47.93	-26.07	74	55.2	39.47	11.32	58.06	200	360	P	H
VHT80		16830	49.54	-18.76	68.3	53.96	39.63	14.44	58.49	170	315	P	H
CH 122		11220	47.24	-26.76	74	54.51	39.47	11.32	58.06	155	260	P	V
5610MHz		16830	48.38	-19.92	68.3	52.8	39.63	14.44	58.49	180	220	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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT160 CH 50 5250MHz		5141.18	56.93	-17.07	74	50.53	31.57	7.48	32.65	100	297	P	H
		5147.68	47.83	-6.17	54	41.42	31.57	7.48	32.64	100	297	A	H
		5250	101.13	-	-	94.36	31.75	7.61	32.59	100	297	P	H
	*	5250	94.02	-	-	87.25	31.75	7.61	32.59	100	297	A	H
		5352.72	60	-14	74	52.94	31.93	7.68	32.55	100	297	P	H
		5350.8	50.51	-3.49	54	43.45	31.93	7.68	32.55	100	297	A	H
		5145.6	52.47	-21.53	74	46.06	31.57	7.48	32.64	356	271	P	V
		5147.68	42.39	-11.61	54	35.98	31.57	7.48	32.64	356	271	A	V
		5250	95.62	-	-	88.85	31.75	7.61	32.59	356	271	P	V
	*	5250	89.64	-	-	82.87	31.75	7.61	32.59	356	271	A	V
		5392.8	53.95	-20.05	74	46.8	31.99	7.7	32.54	356	271	P	V
		5363.28	43.36	-10.64	54	36.26	31.96	7.69	32.55	356	271	A	V
802.11ac VHT160 CH 114 5570MHz		5458.96	58.62	-15.38	74	51.18	32.11	7.84	32.51	100	294	P	H
		5463.04	59.41	-8.89	68.3	51.9	32.14	7.88	32.51	100	294	P	H
		5459.44	49.5	-4.5	54	42.06	32.11	7.84	32.51	100	294	A	H
	*	5570	102.5	-	-	94.8	32.23	7.97	32.5	100	294	P	H
		5570	96.28	-	-	88.58	32.23	7.97	32.5	100	294	A	H
		5727.83	58.63	-9.67	68.3	50.39	32.29	8.45	32.5	100	294	P	H
		5432.32	54.17	-19.83	74	46.82	32.08	7.79	32.52	357	263	P	V
		5461.36	56.53	-11.77	68.3	49.09	32.11	7.84	32.51	357	263	P	V
		5459.92	43.8	-10.2	54	36.36	32.11	7.84	32.51	357	263	A	V
	*	5570	98.57	-	-	90.87	32.23	7.97	32.5	357	263	P	V
		5570	92.57	-	-	84.87	32.23	7.97	32.5	357	263	A	V
		5724.995	57.32	-10.98	68.3	49.08	32.29	8.45	32.5	357	263	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT160 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamplifier Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10500	48.49	-19.81	68.3	57.55	38.91	10.87	58.84	155	321	P	H
VHT160		15750	47.47	-26.53	74	54.77	38.02	13.84	59.16	150	291	P	H
CH 50		10500	47.28	-21.02	68.3	56.34	38.91	10.87	58.84	155	321	P	V
5250MHz		15750	47.93	-26.07	74	55.23	38.02	13.84	59.16	150	291	P	V
802.11ac		11140	47.07	-26.93	74	54.45	39.52	11.25	58.15	173	42	P	H
VHT160		16710	47.81	-20.49	68.3	52.76	39.29	14.38	58.62	153	312	P	H
CH 114		11140	47.18	-26.82	74	54.56	39.52	11.25	58.15	173	42	P	V
5570MHz		16710	48.64	-19.66	68.3	53.59	39.29	14.38	58.62	153	312	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	47.1	-26.9	74	54.08	39.34	11.5	57.82	157	285	P	H
		17160	50.81	-17.49	68.3	52.97	41.1	14.8	58.06	165	246	P	H
		11440	47.2	-26.8	74	54.18	39.34	11.5	57.82	122	291	P	V
		17160	49.99	-18.31	68.3	52.15	41.1	14.8	58.06	153	102	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		11440	47.47	-26.53	74	54.45	39.34	11.5	57.82	157	285	P	H
		17160	50.22	-18.08	68.3	52.38	41.1	14.8	58.06	165	246	P	H
		11440	47.13	-26.87	74	54.11	39.34	11.5	57.82	122	291	P	V
		17160	49.59	-18.71	68.3	51.75	41.1	14.8	58.06	153	102	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n 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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		11420	47.9	-26.1	74	54.89	39.35	11.49	57.83	157	285	P	H
		17130	49.63	-18.67	68.3	52.09	40.9	14.75	58.11	165	246	P	H
		11420	47.72	-26.28	74	54.71	39.35	11.49	57.83	122	291	P	V
		17130	50.25	-18.05	68.3	52.71	40.9	14.75	58.11	153	102	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11380	47.5	-26.5	74	54.54	39.37	11.46	57.87	157	285	P	H
VHT80		17070	50.04	-18.26	68.3	53.11	40.5	14.64	58.21	165	246	P	H
CH 138		11380	47.54	-26.46	74	54.58	39.37	11.46	57.87	122	291	P	V
5690MHz		17070	50.03	-18.27	68.3	53.1	40.5	14.64	58.21	153	102	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11ac VHT80 LF		89.17	25.8	-17.7	43.5	44.6	14.02	2.36	35.18	-	-	P	H
		136.7	22.96	-20.54	43.5	36.79	18.77	2.53	35.13	-	-	P	H
		293.84	23.83	-22.17	46	35.97	19.62	3.15	34.91	-	-	P	H
		326.82	31.13	-14.87	46	42.35	20.47	3.21	34.9	100	45	P	H
		391.81	27.47	-18.53	46	37.03	21.96	3.3	34.82	-	-	P	H
		683.78	27.05	-18.95	46	30.87	26.7	3.98	34.5	-	-	P	H
		67.83	32.08	-7.92	40	46.69	18.19	2.34	35.14	100	264	P	V
		90.14	33.91	-9.59	43.5	52.82	13.92	2.35	35.18	-	-	P	V
		153.19	31.93	-11.57	43.5	45.18	19.29	2.56	35.1	-	-	P	V
		238.55	26.28	-19.72	46	40.51	17.96	2.83	35.02	-	-	P	V
		403.45	27.31	-18.69	46	36.65	22.14	3.31	34.79	-	-	P	V
		508.21	27.21	-18.79	46	34.38	24.01	3.5	34.68	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Band 1 - 5150~5250MHz

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 36 5180MHz		5149.99	52.29	-21.71	74	45.88	31.57	7.48	32.64	100	293	P	H
		5150	42.51	-11.49	54	36.1	31.57	7.48	32.64	100	293	A	H
	*	5180	107.79	-	-	101.26	31.63	7.53	32.63	100	293	P	H
		5180	100.3	-	-	93.77	31.63	7.53	32.63	100	293	A	H
		5128.7	47.32	-26.68	74	40.97	31.54	7.46	32.65	346	259	P	V
		5150	40.9	-13.1	54	34.49	31.57	7.48	32.64	346	259	A	V
	*	5180	106.55	-	-	100.02	31.63	7.53	32.63	346	259	P	V
		5180	98.5	-	-	91.97	31.63	7.53	32.63	346	259	A	V
802.11ax HE20 Full CH 44 5220MHz		5040.56	47.68	-26.32	74	41.66	31.39	7.32	32.69	100	294	P	H
		5134.94	38.08	-15.92	54	31.73	31.54	7.46	32.65	100	294	A	H
	*	5220	108.04	-	-	101.4	31.69	7.57	32.62	100	294	P	H
		5220	100.41	-	-	93.77	31.69	7.57	32.62	100	294	A	H
		5434.56	46.36	-27.64	74	39.01	32.08	7.79	32.52	100	294	P	H
		5352.24	38.14	-15.86	54	31.08	31.93	7.68	32.55	100	294	A	H
		5036.4	47.81	-26.19	74	41.85	31.36	7.29	32.69	355	261	P	V
		5074.62	37.19	-16.81	54	31.03	31.45	7.38	32.67	355	261	A	V
	*	5220	105.55	-	-	98.91	31.69	7.57	32.62	355	261	P	V
		5220	98.01	-	-	91.37	31.69	7.57	32.62	355	261	A	V
		5406	46.5	-27.5	74	39.3	32.02	7.71	32.53	355	261	P	V
		5383.44	37.39	-16.61	54	30.24	31.99	7.7	32.54	355	261	A	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 48 5240MHz		5097.24	48.77	-25.23	74	42.54	31.48	7.41	32.66	100	292	P	H
		5101.92	37.91	-16.09	54	31.68	31.48	7.41	32.66	100	292	A	H
	*	5240	108.55	-	-	101.85	31.72	7.59	32.61	100	292	P	H
		5240	99.12	-	-	92.42	31.72	7.59	32.61	100	292	A	H
		5361.12	47.34	-26.66	74	40.24	31.96	7.69	32.55	100	292	P	H
		5400.24	38.29	-15.71	54	31.09	32.02	7.71	32.53	100	292	A	H
		5123.24	46.64	-27.36	74	40.29	31.54	7.46	32.65	303	258	P	V
		5089.44	37.37	-16.63	54	31.15	31.48	7.41	32.67	303	258	A	V
	*	5240	106.67	-	-	99.97	31.72	7.59	32.61	303	258	P	V
		5240	99.26	-	-	92.56	31.72	7.59	32.61	303	258	A	V
		5352.48	46.69	-27.31	74	39.63	31.93	7.68	32.55	303	258	P	V
		5381.28	37.73	-16.27	54	30.58	31.99	7.7	32.54	303	258	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamplifier Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10360	49.43	-18.87	68.3	58.9	38.72	10.8	58.99	152	260	P	H
HE20 Full		15540	47.43	-26.57	74	53.99	38.7	13.67	58.93	189	238	P	H
CH 36		10360	49.2	-19.1	68.3	58.67	38.72	10.8	58.99	152	260	P	V
5180MHz		15540	47.28	-26.72	74	53.84	38.7	13.67	58.93	189	238	P	V
802.11ax		10440	49.99	-18.31	68.3	59.25	38.82	10.84	58.92	150	230	P	H
HE20 Full		15660	47.2	-26.8	74	54.17	38.33	13.76	59.06	160	225	P	H
CH 44		10440	49.64	-18.66	68.3	58.9	38.82	10.84	58.92	150	230	P	V
5220MHz		15660	47.91	-26.09	74	54.88	38.33	13.76	59.06	160	225	P	V
802.11ax		10480	50.04	-18.26	68.3	59.14	38.89	10.87	58.86	150	289	P	H
HE20 Full		15720	47.32	-26.68	74	54.5	38.13	13.81	59.12	150	291	P	H
CH 48		10480	49.74	-18.56	68.3	58.84	38.89	10.87	58.86	150	289	P	V
5240MHz		15720	47.5	-26.5	74	54.68	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.												



Band 1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5148.98	59.05	-14.95	74	52.64	31.57	7.48	32.64	100	294	P	H
		5150	49.32	-4.68	54	42.91	31.57	7.48	32.64	100	294	A	H
	*	5190	106.22	-	-	99.69	31.63	7.53	32.63	100	294	P	H
		5190	96.54	-	-	90.01	31.63	7.53	32.63	100	294	A	H
		5353.6	46.44	-27.56	74	39.38	31.93	7.68	32.55	100	294	P	H
		5351.36	38.07	-15.93	54	31.01	31.93	7.68	32.55	100	294	A	H
		5150.02	55.97	-12.33	68.3	49.56	31.57	7.48	32.64	290	257	P	V
		5150	49.09	-4.91	54	42.68	31.57	7.48	32.64	290	257	A	V
	*	5190	102.44	-	-	95.91	31.63	7.53	32.63	290	257	P	V
		5190	94.89	-	-	88.36	31.63	7.53	32.63	290	257	A	V
		5428.36	46.96	-27.04	74	39.68	32.05	7.75	32.52	290	257	P	V
		5350.24	37.37	-16.63	54	30.31	31.93	7.68	32.55	290	257	A	V
802.11ax HE40 Full CH 46 5230MHz		5132.6	49.17	-24.83	74	42.82	31.54	7.46	32.65	100	292	P	H
		5131.3	38.6	-15.4	54	32.25	31.54	7.46	32.65	100	292	A	H
	*	5230	105.92	-	-	99.22	31.72	7.59	32.61	100	292	P	H
		5230	99.04	-	-	92.34	31.72	7.59	32.61	100	292	A	H
		5376.96	46.98	-27.02	74	39.87	31.96	7.69	32.54	100	292	P	H
		5353.68	38.73	-15.27	54	31.67	31.93	7.68	32.55	100	292	A	H
		5124.54	47.21	-26.79	74	40.86	31.54	7.46	32.65	275	258	P	V
		5150	37.99	-16.01	54	31.58	31.57	7.48	32.64	275	258	A	V
	*	5230	103.88	-	-	97.18	31.72	7.59	32.61	275	258	P	V
		5230	95.04	-	-	88.34	31.72	7.59	32.61	275	258	A	V
		5350.08	47.11	-26.89	74	40.05	31.93	7.68	32.55	275	258	P	V
		5360.64	37.87	-16.13	54	30.77	31.96	7.69	32.55	275	258	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10380	49.45	-18.85	68.3	58.86	38.75	10.81	58.97	150	360	P	H
HE40 Full		15570	47	-27	74	53.68	38.59	13.7	58.97	155	360	P	H
CH 38		10380	50.21	-18.09	68.3	59.62	38.75	10.81	58.97	150	360	P	V
5190MHz		15570	47.46	-26.54	74	54.14	38.59	13.7	58.97	155	360	P	V
802.11ax		10460	50.56	-17.74	68.3	59.77	38.84	10.85	58.9	150	360	P	H
HE40 Full		15690	47.32	-26.68	74	54.39	38.23	13.79	59.09	150	225	P	H
CH 46		10460	49.21	-19.09	68.3	58.42	38.84	10.85	58.9	150	360	P	V
5230MHz		15690	47.14	-26.86	74	54.21	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.												



Band 1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5147.16	56.59	-17.41	74	50.18	31.57	7.48	32.64	100	293	P	H
		5150	47.23	-6.77	54	40.82	31.57	7.48	32.64	100	293	A	H
	*	5210	102.67	-	-	96.03	31.69	7.57	32.62	100	293	P	H
		5210	95.29	-	-	88.65	31.69	7.57	32.62	100	293	A	H
		5382	47.32	-26.68	74	40.17	31.99	7.7	32.54	100	293	P	H
		5352.96	38.98	-15.02	54	31.92	31.93	7.68	32.55	100	293	A	H
		5149.76	54.33	-19.67	74	47.92	31.57	7.48	32.64	319	258	P	V
		5150	45.23	-8.77	54	38.82	31.57	7.48	32.64	319	258	A	V
	*	5210	100.12	-	-	93.48	31.69	7.57	32.62	319	258	P	V
		5210	93.65	-	-	87.01	31.69	7.57	32.62	319	258	A	V
		5420.64	46.82	-27.18	74	39.55	32.05	7.75	32.53	319	258	P	V
		5385.6	37.84	-16.16	54	30.69	31.99	7.7	32.54	319	258	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10420	50.71	-17.59	68.3	60.02	38.79	10.83	58.93	150	360	P	H
HE80 Full		15630	47.18	-26.82	74	54.08	38.39	13.75	59.04	150	225	P	H
CH 42		10420	49.27	-19.03	68.3	58.58	38.79	10.83	58.93	150	360	P	V
5210MHz		15630	47.43	-26.57	74	54.33	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.												



Band 2 - 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 52 5260MHz		5104.52	47.25	-26.75	74	41.02	31.48	7.41	32.66	100	294	P	H
		5131.82	38.04	-15.96	54	31.69	31.54	7.46	32.65	100	294	A	H
	*	5260	107.62	-	-	100.81	31.78	7.62	32.59	100	294	P	H
		5260	100.06	-	-	93.25	31.78	7.62	32.59	100	294	A	H
		5393.04	48.13	-25.87	74	40.98	31.99	7.7	32.54	100	294	P	H
		5398.8	38.4	-15.6	54	31.2	32.02	7.71	32.53	100	294	A	H
		5134.68	46.94	-27.06	74	40.59	31.54	7.46	32.65	299	259	P	V
		5110.5	37.45	-16.55	54	31.17	31.51	7.43	32.66	299	259	A	V
	*	5260	104.95	-	-	98.14	31.78	7.62	32.59	299	259	P	V
		5260	98.7	-	-	91.89	31.78	7.62	32.59	299	259	A	V
		5454.24	48.15	-25.85	74	40.71	32.11	7.84	32.51	299	259	P	V
		5419.2	37.72	-16.28	54	30.45	32.05	7.75	32.53	299	259	A	V
802.11ax HE20 Full CH 60 5300MHz		5143.15	47.7	-26.3	74	41.3	31.57	7.48	32.65	332	259	P	H
		5149.8	36.52	-17.48	54	30.11	31.57	7.48	32.64	332	259	A	H
	*	5300	100.69	-	-	93.77	31.84	7.65	32.57	332	259	P	H
		5300	99.48	-	-	92.56	31.84	7.65	32.57	332	259	A	H
		5446.8	45.31	-28.69	74	37.88	32.11	7.84	32.52	332	259	P	H
		5442.72	36.5	-17.5	54	29.15	32.08	7.79	32.52	332	259	A	H
		5141.4	47.17	-26.83	74	40.77	31.57	7.48	32.65	332	260	P	V
		5145.95	37.26	-16.74	54	30.85	31.57	7.48	32.64	332	260	A	V
	*	5300	107.01	-	-	100.09	31.84	7.65	32.57	332	260	P	V
		5300	99.05	-	-	92.13	31.84	7.65	32.57	332	260	A	V
		5371.44	47.25	-26.75	74	40.15	31.96	7.69	32.55	332	260	P	V
		5440.32	37.92	-16.08	54	30.57	32.08	7.79	32.52	332	260	A	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 64 5320MHz	*	5320	108.45	-	-	101.49	31.87	7.66	32.57	100	294	P	H
		5320	100.44	-	-	93.48	31.87	7.66	32.57	100	294	A	H
		5350.72	51.22	-22.78	74	44.16	31.93	7.68	32.55	100	294	P	H
		5350.08	42.3	-11.7	54	35.24	31.93	7.68	32.55	100	294	A	H
	*	5320	107.03	-	-	100.07	31.87	7.66	32.57	310	260	P	V
		5320	99.24	-	-	92.28	31.87	7.66	32.57	310	260	A	V
		5350.56	50.98	-23.02	74	43.92	31.93	7.68	32.55	310	260	P	V
		5350.4	41.22	-12.78	54	34.16	31.93	7.68	32.55	310	260	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamplifier Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10520	50.03	-18.27	68.3	59.03	38.94	10.88	58.82	150	220	P	H
HE20 Full		15780	47.26	-26.74	74	54.62	37.97	13.85	59.18	159	345	P	H
CH 52		10520	50.11	-18.19	68.3	59.11	38.94	10.88	58.82	150	220	P	V
5260MHz		15780	47.74	-26.26	74	55.1	37.97	13.85	59.18	159	345	P	V
802.11ax		10600	47.18	-26.82	74	55.93	39.05	10.93	58.73	185	215	P	H
HE20 Full		15900	46.56	-27.44	74	54.31	37.61	13.94	59.3	196	190	P	H
CH 60		10600	47.11	-26.89	74	55.86	39.05	10.93	58.73	185	215	P	V
5300MHz		15900	47.36	-26.64	74	55.11	37.61	13.94	59.3	196	190	P	V
802.11ax		10640	47.04	-26.96	74	55.68	39.1	10.95	58.69	152	135	P	H
HE20 Full		15960	47.83	-26.17	74	55.81	37.4	13.99	59.37	173	245	P	H
CH 64		10640	47.42	-26.58	74	56.06	39.1	10.95	58.69	152	135	P	V
5320MHz		15960	47.86	-26.14	74	55.84	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.												



Band 2 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 54 5270MHz		5121.1	48.28	-25.72	74	41.99	31.51	7.43	32.65	100	293	P	H
		5132.65	39.47	-14.53	54	33.12	31.54	7.46	32.65	100	293	A	H
	*	5270	106.35	-	-	99.54	31.78	7.62	32.59	100	293	P	H
		5270	99.17	-	-	92.36	31.78	7.62	32.59	100	293	A	H
		5381.52	48.73	-25.27	74	41.58	31.99	7.7	32.54	100	293	P	H
		5399.28	39.99	-14.01	54	32.79	32.02	7.71	32.53	100	293	A	H
		5130.55	47.77	-26.23	74	41.42	31.54	7.46	32.65	295	259	P	V
		5131.25	38.4	-15.6	54	32.05	31.54	7.46	32.65	295	259	A	V
	*	5270	105.37	-	-	98.56	31.78	7.62	32.59	295	259	P	V
		5270	96.73	-	-	89.92	31.78	7.62	32.59	295	259	A	V
		5410.8	47.82	-26.18	74	40.62	32.02	7.71	32.53	295	259	P	V
802.11ax HE40 Full CH 62 5310MHz		5121.1	47.49	-26.51	74	41.2	31.51	7.43	32.65	100	293	P	H
		5149.45	38.48	-15.52	54	32.07	31.57	7.48	32.64	100	293	A	H
	*	5310	105.25	-	-	98.29	31.87	7.66	32.57	100	293	P	H
		5310	98.03	-	-	91.07	31.87	7.66	32.57	100	293	A	H
		5350.08	57.23	-16.77	74	50.17	31.93	7.68	32.55	100	293	P	H
		5350.32	47.5	-6.5	54	40.44	31.93	7.68	32.55	100	293	A	H
		5110.6	46.08	-27.92	74	39.8	31.51	7.43	32.66	293	260	P	V
		5149.8	37.61	-16.39	54	31.2	31.57	7.48	32.64	293	260	A	V
	*	5310	103.37	-	-	96.41	31.87	7.66	32.57	293	260	P	V
		5310	94.77	-	-	87.81	31.87	7.66	32.57	293	260	A	V
		5351.52	53.03	-20.97	74	45.97	31.93	7.68	32.55	293	260	P	V
		5350.08	45.31	-8.69	54	38.25	31.93	7.68	32.55	293	260	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10540	46.35	-21.95	68.3	55.3	38.96	10.89	58.8	150	220	P	H
HE40 Full		15810	47.15	-26.85	74	54.62	37.87	13.87	59.21	168	345	P	H
CH 54		10540	49.76	-18.54	68.3	58.71	38.96	10.89	58.8	150	220	P	V
5270MHz		15810	47.79	-26.21	74	55.26	37.87	13.87	59.21	168	345	P	V
802.11ax		10620	47.19	-26.81	74	55.88	39.08	10.94	58.71	150	220	P	H
HE40 Full		15930	47.04	-26.96	74	54.9	37.51	13.96	59.33	160	100	P	H
CH 62		10620	47.91	-26.09	74	56.6	39.08	10.94	58.71	150	220	P	V
5310MHz		15930	47.83	-26.17	74	55.69	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.												



Band 2 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 58 5290MHz		5144.9	48.31	-25.69	74	41.9	31.57	7.48	32.64	100	293	P	H
		5133	38.79	-15.21	54	32.44	31.54	7.46	32.65	100	293	A	H
	*	5290	103.66	-	-	96.79	31.81	7.64	32.58	100	293	P	H
		5290	95.48	-	-	88.61	31.81	7.64	32.58	100	293	A	H
		5352.24	55.61	-18.39	74	48.55	31.93	7.68	32.55	100	293	P	H
		5351.04	47.76	-6.24	54	40.7	31.93	7.68	32.55	100	293	A	H
		5124.95	47.57	-26.43	74	41.22	31.54	7.46	32.65	297	258	P	V
		5134.05	37.99	-16.01	54	31.64	31.54	7.46	32.65	297	258	A	V
	*	5290	101.83	-	-	94.96	31.81	7.64	32.58	297	258	P	V
		5290	93	-	-	86.13	31.81	7.64	32.58	297	258	A	V
		5356.8	54.36	-19.64	74	47.3	31.93	7.68	32.55	297	258	P	V
		5351.04	45.53	-8.47	54	38.47	31.93	7.68	32.55	297	258	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10580	49.96	-18.34	68.3	58.76	39.03	10.92	58.75	185	215	P	H
HE80 Full		15870	47.37	-26.63	74	55.07	37.66	13.92	59.28	196	190	P	H
CH 58		10580	50.04	-18.26	68.3	58.84	39.03	10.92	58.75	170	232	P	V
5290MHz		15870	47.47	-26.53	74	55.17	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.												



Band 3 - 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		5381.84	47.73	-26.27	74	40.58	31.99	7.7	32.54	100	294	P	H
		5469.52	53.76	-14.54	68.3	46.25	32.14	7.88	32.51	100	294	P	H
		5460	39.92	-14.08	54	32.48	32.11	7.84	32.51	100	294	A	H
	*	5500	109.44	-	-	101.78	32.2	7.96	32.5	100	294	P	H
		5500	101.7	-	-	94.04	32.2	7.96	32.5	100	294	A	H
		5451.76	46.79	-27.21	74	39.35	32.11	7.84	32.51	325	259	P	V
		5469.84	51.49	-16.81	68.3	43.98	32.14	7.88	32.51	325	259	P	V
		5460	38.73	-15.27	54	31.29	32.11	7.84	32.51	325	259	A	V
	*	5500	108.07	-	-	100.41	32.2	7.96	32.5	325	259	P	V
		5500	99.89	-	-	92.23	32.2	7.96	32.5	325	259	A	V
802.11ax HE20 Full CH 116 5580MHz		5441.68	47.13	-26.87	74	39.78	32.08	7.79	32.52	100	61	P	H
		5469.28	47.9	-20.4	68.3	40.39	32.14	7.88	32.51	100	61	P	H
		5458.72	38.25	-15.75	54	30.81	32.11	7.84	32.51	100	61	A	H
	*	5580	110.72	-	-	103.02	32.23	7.97	32.5	100	61	P	H
		5580	101.72	-	-	94.02	32.23	7.97	32.5	100	61	A	H
		5728.46	46.84	-21.46	68.3	38.6	32.29	8.45	32.5	100	61	P	H
		5426.56	47.52	-26.48	74	40.24	32.05	7.75	32.52	317	261	P	V
		5466.4	45.51	-22.79	68.3	38	32.14	7.88	32.51	317	261	P	V
		5444.32	38.11	-15.89	54	30.76	32.08	7.79	32.52	317	261	A	V
	*	5580	110.77	-	-	103.07	32.23	7.97	32.5	317	261	P	V
		5580	101.62	-	-	93.92	32.23	7.97	32.5	317	261	A	V
		5730.035	48.16	-20.14	68.3	39.92	32.29	8.45	32.5	317	261	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 140 5700MHz	*	5700	109.46	-	-	101.16	32.28	8.52	32.5	100	63	P	H
		5700	100.33	-	-	92.03	32.28	8.52	32.5	100	63	A	H
		5725.16	58.46	-9.84	68.3	50.22	32.29	8.45	32.5	100	63	P	H
	*	5700	109.52	-	-	101.22	32.28	8.52	32.5	322	260	P	V
		5700	100.64	-	-	92.34	32.28	8.52	32.5	322	260	A	V
		5725.32	59.06	-9.24	68.3	50.82	32.29	8.45	32.5	322	260	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamplifier Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11000	47.95	-26.05	74	55.51	39.6	11.14	58.3	163	230	P	H
HE20 Full		16500	49.44	-18.86	68.3	55.29	38.72	14.27	58.84	196	273	P	H
CH 100		11000	47.66	-26.34	74	55.22	39.6	11.14	58.3	155	212	P	V
5500MHz		16500	48.71	-19.59	68.3	54.56	38.72	14.27	58.84	178	296	P	V
802.11ax		11160	47.15	-26.85	74	54.48	39.5	11.28	58.11	183	32	P	H
HE20 Full		16740	49.84	-18.46	68.3	54.63	39.39	14.4	58.58	163	332	P	H
CH 116		11160	47.87	-26.13	74	55.2	39.5	11.28	58.11	170	200	P	V
5580MHz		16740	49.69	-18.61	68.3	54.48	39.39	14.4	58.58	156	350	P	V
802.11ax		11400	47.88	-26.12	74	54.9	39.36	11.47	57.85	157	285	P	H
HE20 Full		17100	50.25	-18.05	68.3	53.02	40.7	14.69	58.16	165	246	P	H
CH 140		11400	47.03	-26.97	74	54.05	39.36	11.47	57.85	122	291	P	V
5700MHz		17100	50.14	-18.16	68.3	52.91	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.												



Band 3 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 102 5510MHz		5458.72	53	-21	74	45.56	32.11	7.84	32.51	100	62	P	H
		5468.08	57.93	-10.37	68.3	50.42	32.14	7.88	32.51	100	62	P	H
		5459.92	45	-9	54	37.56	32.11	7.84	32.51	100	62	A	H
	*	5510	109.91	-	-	102.25	32.2	7.96	32.5	100	62	P	H
		5510	101.92	-	-	94.26	32.2	7.96	32.5	100	62	A	H
		5752.4	46.16	-22.14	68.3	37.97	32.3	8.39	32.5	100	62	P	H
		5459.44	51.64	-22.36	74	44.2	32.11	7.84	32.51	309	261	P	V
		5466.4	56.84	-11.46	68.3	49.33	32.14	7.88	32.51	309	261	P	V
		5459.92	43.72	-10.28	54	36.28	32.11	7.84	32.51	309	261	A	V
	*	5510	108.59	-	-	100.93	32.2	7.96	32.5	309	261	P	V
		5510	97.9	-	-	90.24	32.2	7.96	32.5	309	261	A	V
		5742.635	48.89	-19.41	68.3	40.67	32.3	8.42	32.5	309	261	P	V
802.11ax HE40 Full CH 110 5550MHz		5446.24	48.75	-25.25	74	41.32	32.11	7.84	32.52	100	60	P	H
		5467.36	48.92	-19.38	68.3	41.41	32.14	7.88	32.51	100	60	P	H
		5459.92	39.72	-14.28	54	32.28	32.11	7.84	32.51	100	60	A	H
	*	5550	107.91	-	-	100.22	32.22	7.97	32.5	100	60	P	H
		5550	100.41	-	-	92.72	32.22	7.97	32.5	100	60	A	H
		5740.115	47.75	-20.55	68.3	39.53	32.3	8.42	32.5	100	60	P	H
		5430.88	47.85	-26.15	74	40.5	32.08	7.79	32.52	303	261	P	V
		5470	47.82	-20.48	68.3	40.31	32.14	7.88	32.51	303	261	P	V
		5440	39.02	-14.98	54	31.67	32.08	7.79	32.52	303	261	A	V
	*	5550	105.77	-	-	98.08	32.22	7.97	32.5	303	261	P	V
		5550	97.36	-	-	89.67	32.22	7.97	32.5	303	261	A	V
		5755.55	47.55	-20.75	68.3	39.36	32.3	8.39	32.5	303	261	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 134 5670MHz		5453.25	47.28	-26.72	74	39.84	32.11	7.84	32.51	100	66	P	H
		5461.65	45.67	-22.63	68.3	38.23	32.11	7.84	32.51	100	66	P	H
		5459.9	37.36	-16.64	54	29.92	32.11	7.84	32.51	100	66	A	H
	*	5670	105.71	-	-	97.53	32.27	8.41	32.5	100	66	P	H
		5670	98.67	-	-	90.49	32.27	8.41	32.5	100	66	A	H
		5725.275	50.78	-17.52	68.3	42.54	32.29	8.45	32.5	100	66	P	H
		5382.9	45.88	-28.12	74	38.73	31.99	7.7	32.54	294	253	P	V
		5466.55	45.37	-22.93	68.3	37.86	32.14	7.88	32.51	294	253	P	V
		5459.9	37.19	-16.81	54	29.75	32.11	7.84	32.51	294	253	A	V
	*	5670	107.51	-	-	99.33	32.27	8.41	32.5	294	253	P	V
		5670	98.86	-	-	90.68	32.27	8.41	32.5	294	253	A	V
		5726.15	51.57	-16.73	68.3	43.33	32.29	8.45	32.5	294	253	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11020	47.03	-26.97	74	54.57	39.59	11.15	58.28	170	230	P	H
HE40 Full		16530	49.9	-18.4	68.3	55.59	38.82	14.29	58.8	160	300	P	H
CH 102		11020	47.38	-26.62	74	54.92	39.59	11.15	58.28	170	230	P	V
5510MHz		16530	49.08	-19.22	68.3	54.77	38.82	14.29	58.8	160	300	P	V
802.11ax		11100	47.12	-26.88	74	54.55	39.54	11.22	58.19	160	220	P	H
HE40 Full		16650	50.99	-17.31	68.3	56.16	39.15	14.35	58.67	180	353	P	H
CH 110		11100	47.86	-26.14	74	55.29	39.54	11.22	58.19	155	210	P	V
5550MHz		16650	50.05	-18.25	68.3	55.22	39.15	14.35	58.67	171	352	P	V
802.11ax		11340	47.95	-26.05	74	55.06	39.4	11.42	57.93	195	335	P	H
HE40 Full		17010	49.58	-18.72	68.3	53.1	40.2	14.56	58.28	205	310	P	H
CH 134		11340	47.41	-26.59	74	54.52	39.4	11.42	57.93	205	325	P	V
5670MHz		17010	50.08	-18.22	68.3	53.6	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.												



Band 3 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 106 5530MHz		5459.44	51.69	-22.31	74	44.25	32.11	7.84	32.51	103	60	P	H
		5466.4	55.93	-12.37	68.3	48.42	32.14	7.88	32.51	103	60	P	H
		5459.92	43.18	-10.82	54	35.74	32.11	7.84	32.51	103	60	A	H
	*	5530	102.91	-	-	95.24	32.21	7.96	32.5	103	60	P	H
		5530	94.6	-	-	86.93	32.21	7.96	32.5	103	60	A	H
		5726.885	47.15	-21.15	68.3	38.91	32.29	8.45	32.5	103	60	P	H
		5442.64	49.48	-24.52	74	42.13	32.08	7.79	32.52	307	262	P	V
		5468.56	55.45	-12.85	68.3	47.94	32.14	7.88	32.51	307	262	P	V
		5459.68	41.63	-12.37	54	34.19	32.11	7.84	32.51	307	262	A	V
	*	5530	102.52	-	-	94.85	32.21	7.96	32.5	307	262	P	V
		5530	93.83	-	-	86.16	32.21	7.96	32.5	307	262	A	V
		5735.705	46.83	-21.47	68.3	38.61	32.3	8.42	32.5	307	262	P	V
802.11ax HE80 Full CH 122 5610MHz		5459.68	47.43	-26.57	74	39.99	32.11	7.84	32.51	100	60	P	H
		5468.32	47.67	-20.63	68.3	40.16	32.14	7.88	32.51	100	60	P	H
		5459.92	39.38	-14.62	54	31.94	32.11	7.84	32.51	100	60	A	H
	*	5610	103.83	-	-	96.12	32.24	7.97	32.5	100	60	P	H
		5610	97.57	-	-	89.86	32.24	7.97	32.5	100	60	A	H
		5740.5	48.24	-20.06	68.3	40.02	32.3	8.42	32.5	100	60	P	H
		5446.24	47.48	-26.52	74	40.05	32.11	7.84	32.52	315	262	P	V
		5461.84	47.79	-20.51	68.3	40.35	32.11	7.84	32.51	315	262	P	V
		5459.92	38.98	-15.02	54	31.54	32.11	7.84	32.51	315	262	A	V
	*	5610	103.61	-	-	95.9	32.24	7.97	32.5	315	262	P	V
		5610	94.9	-	-	87.19	32.24	7.97	32.5	315	262	A	V
		5730.525	49.93	-18.37	68.3	41.69	32.29	8.45	32.5	315	262	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamplifier Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11060	47.11	-26.89	74	54.58	39.56	11.2	58.23	170	230	P	H
HE80 Full		16590	50.37	-17.93	68.3	55.84	38.96	14.32	58.75	155	305	P	H
CH 106		11060	47.07	-26.93	74	54.54	39.56	11.2	58.23	166	212	P	V
5530MHz		16590	50.78	-17.52	68.3	56.25	38.96	14.32	58.75	132	343	P	V
802.11ax		11220	47.88	-26.12	74	55.15	39.47	11.32	58.06	200	360	P	H
HE80 Full		16830	48.22	-20.08	68.3	52.64	39.63	14.44	58.49	170	315	P	H
CH 122		11220	47.92	-26.08	74	55.19	39.47	11.32	58.06	155	260	P	V
5610MHz		16830	48.49	-19.81	68.3	52.91	39.63	14.44	58.49	180	220	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 50 5250MHz		5140.66	53.67	-20.33	74	47.27	31.57	7.48	32.65	100	294	P	H
		5148.72	43.01	-10.99	54	36.6	31.57	7.48	32.64	100	294	A	H
		5250	100.44	-	-	93.67	31.75	7.61	32.59	100	294	P	H
	*	5250	93.88	-	-	87.11	31.75	7.61	32.59	100	294	A	H
		5365.92	55.92	-18.08	74	48.82	31.96	7.69	32.55	100	294	P	H
		5351.28	48.35	-5.65	54	41.29	31.93	7.68	32.55	100	294	A	H
		5138.84	50.45	-23.55	74	44.1	31.54	7.46	32.65	352	256	P	V
		5149.5	40.5	-13.5	54	34.09	31.57	7.48	32.64	352	256	A	V
		5250	95.78	-	-	89.01	31.75	7.61	32.59	352	256	P	V
	*	5250	89.39	-	-	82.62	31.75	7.61	32.59	352	256	A	V
		5350.32	51.23	-22.77	74	44.17	31.93	7.68	32.55	352	256	P	V
		5351.04	41.98	-12.02	54	34.92	31.93	7.68	32.55	352	256	A	V
802.11ax HE160 Full CH 114 5570MHz		5458.72	57.02	-16.98	74	49.58	32.11	7.84	32.51	100	295	P	H
		5465.2	56.24	-12.06	68.3	48.73	32.14	7.88	32.51	100	295	P	H
		5417.2	46.42	-7.58	54	39.15	32.05	7.75	32.53	100	295	A	H
	*	5570	102.17	-	-	94.47	32.23	7.97	32.5	100	295	P	H
		5570	95.91	-	-	88.21	32.23	7.97	32.5	100	295	A	H
		5750.195	58.08	-10.22	68.3	49.86	32.3	8.42	32.5	100	295	P	H
		5413.6	51.91	-22.09	74	44.64	32.05	7.75	32.53	356	263	P	V
		5465.2	51.08	-17.22	68.3	43.57	32.14	7.88	32.51	356	263	P	V
		5424.16	42.72	-11.28	54	35.45	32.05	7.75	32.53	356	263	A	V
	*	5570	98.85	-	-	91.15	32.23	7.97	32.5	356	263	P	V
		5570	92.39	-	-	84.69	32.23	7.97	32.5	356	263	A	V
		5734.13	55.94	-12.36	68.3	47.7	32.29	8.45	32.5	356	263	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		10500	50.57	-17.73	68.3	59.63	38.91	10.87	58.84	155	321	P	H
HE160 Full		15750	47.83	-26.17	74	55.13	38.02	13.84	59.16	150	291	P	H
CH 50		10500	50.19	-18.11	68.3	59.25	38.91	10.87	58.84	100	16	P	V
5250MHz		15750	47.82	-26.18	74	55.12	38.02	13.84	59.16	100	44	P	V
802.11ax		11140	47.52	-26.48	74	54.9	39.52	11.25	58.15	173	42	P	H
HE160 Full		16710	48.94	-19.36	68.3	53.89	39.29	14.38	58.62	153	312	P	H
CH 114		11140	47.39	-26.61	74	54.77	39.52	11.25	58.15	173	42	P	V
5610MHz		16710	48.18	-20.12	68.3	53.13	39.29	14.38	58.62	153	312	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11440	47.54	-26.46	74	54.52	39.34	11.5	57.82	157	285	P	H
HE20 Full		17160	50.13	-18.17	68.3	52.29	41.1	14.8	58.06	165	246	P	H
CH 144		11440	47.61	-26.39	74	54.59	39.34	11.5	57.82	122	291	P	V
5720MHz		17160	49.85	-18.45	68.3	52.01	41.1	14.8	58.06	153	102	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11420	47.42	-26.58	74	54.41	39.35	11.49	57.83	157	285	P	H
HE40 Full		17130	50.09	-18.21	68.3	52.55	40.9	14.75	58.11	165	246	P	H
CH 142		11420	47.34	-26.66	74	54.33	39.35	11.49	57.83	122	291	P	V
5710MHz		17130	50.06	-18.24	68.3	52.52	40.9	14.75	58.11	153	102	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11380	47.69	-26.31	74	54.73	39.37	11.46	57.87	157	285	P	H
HE80 Full		17070	50.35	-17.95	68.3	53.42	40.5	14.64	58.21	165	246	P	H
CH 138		11380	47.85	-26.15	74	54.89	39.37	11.46	57.87	122	291	P	V
5690MHz		17070	49.95	-18.35	68.3	53.02	40.5	14.64	58.21	153	102	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 - 5150~5250MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 106/53 CH 36 5180MHz		5135.98	48.74	-25.26	74	42.39	31.54	7.46	32.65	107	301	P	H
		5148.2	38.65	-15.35	54	32.24	31.57	7.48	32.64	107	301	A	H
	*	5180	110.69	-	-	104.16	31.63	7.53	32.63	107	301	P	H
		5180	102.51	-	-	95.98	31.63	7.53	32.63	107	301	A	H
		5057.46	47.7	-26.3	74	41.61	31.42	7.35	32.68	100	273	P	V
		5093.6	37.08	-16.92	54	30.85	31.48	7.41	32.66	100	273	A	V
	*	5180	102.24	-	-	95.71	31.63	7.53	32.63	100	273	P	V
		5180	96.23	-	-	89.7	31.63	7.53	32.63	100	273	A	V
802.11ax HE20 Partial 106/54 CH 48 5240MHz		5017.68	47.54	-26.46	74	41.64	31.33	7.26	32.69	100	298	P	H
		5135.2	37.94	-16.06	54	31.59	31.54	7.46	32.65	100	298	A	H
		5240	110.3	-	-	103.6	31.72	7.59	32.61	100	298	P	H
		5240	103.27	-	-	96.57	31.72	7.59	32.61	100	298	A	H
		5353.44	47.56	-26.44	74	40.5	31.93	7.68	32.55	100	298	P	H
		5355.84	38.35	-15.65	54	31.29	31.93	7.68	32.55	100	298	A	H
		5082.94	46.25	-27.75	74	40.09	31.45	7.38	32.67	352	267	P	V
		5128.44	36.99	-17.01	54	30.64	31.54	7.46	32.65	352	267	A	V
		5240	105.88	-	-	99.18	31.72	7.59	32.61	352	267	P	V
		5240	99.1	-	-	92.4	31.72	7.59	32.61	352	267	A	V
		5434.56	45.96	-28.04	74	38.61	32.08	7.79	32.52	352	267	P	V
		5416.08	36.82	-17.18	54	29.55	32.05	7.75	32.53	352	267	A	V



Band 1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 36 5180MHz		10360	48.92	-19.38	68.3	58.39	38.72	10.8	58.99	152	260	P	H
		15540	47.96	-26.04	74	54.52	38.7	13.67	58.93	189	238	P	H
		10360	46.16	-22.14	68.3	55.63	38.72	10.8	58.99	152	260	P	V
		15540	47.45	-26.55	74	54.01	38.7	13.67	58.93	189	238	P	V
802.11ax HE20 Partial 106/54 CH 48 5240MHz		10480	50.31	-17.99	68.3	59.41	38.89	10.87	58.86	150	289	P	H
		15720	47.08	-26.92	74	54.26	38.13	13.81	59.12	150	291	P	H
		10480	49.28	-19.02	68.3	58.38	38.89	10.87	58.86	150	289	P	V
		15720	47.44	-26.56	74	54.62	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.												



Band 1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 38 5190MHz		5072.8	49.71	-24.29	74	43.55	31.45	7.38	32.67	100	299	P	H
		5150	39.5	-14.5	54	33.09	31.57	7.48	32.64	100	299	A	H
	*	5190	107.68	-	-	101.15	31.63	7.53	32.63	100	299	P	H
		5190	100.44	-	-	93.91	31.63	7.53	32.63	100	299	A	H
		5354.72	46.8	-27.2	74	39.74	31.93	7.68	32.55	100	299	P	H
		5350	38.61	-15.39	54	31.55	31.93	7.68	32.55	100	299	A	H
		5147.42	53.3	-20.7	74	46.89	31.57	7.48	32.64	295	251	P	V
		5147.94	37.28	-16.72	54	30.87	31.57	7.48	32.64	295	251	A	V
	*	5190	103.25	-	-	96.72	31.63	7.53	32.63	295	251	P	V
		5190	96.71	-	-	90.18	31.63	7.53	32.63	295	251	A	V
		5446.84	47.09	-26.91	74	39.66	32.11	7.84	32.52	295	251	P	V
		5357.52	36.51	-17.49	54	29.45	31.93	7.68	32.55	295	251	A	V
802.11ax HE40 Partial 242/62 CH 46 5230MHz		5121.16	50.85	-23.15	74	44.56	31.51	7.43	32.65	100	299	P	H
		5120.12	39.92	-14.08	54	33.63	31.51	7.43	32.65	100	299	A	H
		5230	107.75	-	-	101.05	31.72	7.59	32.61	100	299	P	H
	*	5230	101.6	-	-	94.9	31.72	7.59	32.61	100	299	A	H
		5405.52	49.63	-24.37	74	42.43	32.02	7.71	32.53	100	299	P	H
		5359.68	39.68	-14.32	54	32.62	31.93	7.68	32.55	100	299	A	H
		5115.44	48.41	-25.59	74	42.13	31.51	7.43	32.66	301	253	P	V
		5121.16	37.61	-16.39	54	31.32	31.51	7.43	32.65	301	253	A	V
		5230	103.8	-	-	97.1	31.72	7.59	32.61	301	253	P	V
	*	5230	97.92	-	-	91.22	31.72	7.59	32.61	301	253	A	V
		5410.8	47.08	-26.92	74	39.88	32.02	7.71	32.53	301	253	P	V
		5362.08	37.45	-16.55	54	30.35	31.96	7.69	32.55	301	253	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 38 5190MHz		10380	49.48	-18.82	68.3	58.89	38.75	10.81	58.97	150	360	P	H
		15570	47.33	-26.67	74	54.01	38.59	13.7	58.97	155	360	P	H
		10380	48.93	-19.37	68.3	58.34	38.75	10.81	58.97	123	84	P	V
		15570	47.84	-26.16	74	54.52	38.59	13.7	58.97	134	54	P	V
802.11ax HE40 Partial 242/62 CH 46 5230MHz		10460	50.11	-18.19	68.3	59.32	38.84	10.85	58.9	150	360	P	H
		15690	47.68	-26.32	74	54.75	38.23	13.79	59.09	100	188	P	H
		10460	50.66	-17.64	68.3	59.87	38.84	10.85	58.9	100	33	P	V
		15690	47.6	-26.4	74	54.67	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.												



Band 1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 42 5210MHz		5147.94	59.59	-14.41	74	53.18	31.57	7.48	32.64	100	293	P	H
		5148.46	43.13	-10.87	54	36.72	31.57	7.48	32.64	100	293	A	H
		5210	103.97	-	-	97.33	31.69	7.57	32.62	100	293	P	H
		5210	95.85	-	-	89.21	31.69	7.57	32.62	100	293	A	H
		5369.76	48.16	-25.84	74	41.06	31.96	7.69	32.55	100	293	P	H
		5353.68	39.4	-14.6	54	32.34	31.93	7.68	32.55	100	293	A	H
		5084.5	49.3	-24.7	74	43.14	31.45	7.38	32.67	317	249	P	V
		5148.2	39.84	-14.16	54	33.43	31.57	7.48	32.64	317	249	A	V
		5210	101.02	-	-	94.38	31.69	7.57	32.62	317	249	P	V
		5210	93.71	-	-	87.07	31.69	7.57	32.62	317	249	A	V
		5411.04	45.67	-28.33	74	38.47	32.02	7.71	32.53	317	249	P	V
		5358.96	36.64	-17.36	54	29.58	31.93	7.68	32.55	317	249	A	V
802.11ax HE80 Partial 484/66 CH 42 5210MHz		5145.86	55.01	-18.99	74	48.6	31.57	7.48	32.64	109	294	P	H
		5136.24	39.15	-14.85	54	32.8	31.54	7.46	32.65	109	294	A	H
		5210	102.81	-	-	96.17	31.69	7.57	32.62	109	294	P	H
		5210	96.01	-	-	89.37	31.69	7.57	32.62	109	294	A	H
		5408.64	48.53	-25.47	74	41.33	32.02	7.71	32.53	109	294	P	H
		5357.28	38.69	-15.31	54	31.63	31.93	7.68	32.55	109	294	A	H
		5099.06	47.51	-26.49	74	41.28	31.48	7.41	32.66	323	267	P	V
		5135.98	37.47	-16.53	54	31.12	31.54	7.46	32.65	323	267	A	V
		5210	101.19	-	-	94.55	31.69	7.57	32.62	323	267	P	V
		5210	93.97	-	-	87.33	31.69	7.57	32.62	323	267	A	V
		5430.72	45.68	-28.32	74	38.33	32.08	7.79	32.52	323	267	P	V
		5378.64	37.21	-16.79	54	30.06	31.99	7.7	32.54	323	267	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 42 5210MHz		10420	48.75	-19.55	68.3	32.25	38.79	10.83	33.12	150	360	P	H
		15630	47.73	-26.27	74	28.78	38.39	13.75	33.19	150	225	P	H
		10420	49.52	-18.78	68.3	58.83	38.79	10.83	58.93	150	360	P	V
		15630	46.64	-27.36	74	53.54	38.39	13.75	59.04	150	225	P	V
802.11ax HE80 Partial 484/66 CH 42 5210MHz		10420	49.05	-19.25	68.3	58.36	38.79	10.83	58.93	150	360	P	H
		15630	47.27	-26.73	74	54.17	38.39	13.75	59.04	150	225	P	H
		10420	50.31	-17.99	68.3	59.62	38.79	10.83	58.93	150	360	P	V
		15630	46.91	-27.09	74	53.81	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.												


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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/67 CH 50 5250MHz		5126.88	69.18	-4.82	74	62.83	31.54	7.46	32.65	100	296	P	H
		5127.92	47.76	-6.24	54	41.41	31.54	7.46	32.65	100	296	A	H
		5250	100.86	-	-	94.09	31.75	7.61	32.59	100	296	P	H
		5250	94.76	-	-	87.99	31.75	7.61	32.59	100	296	A	H
		5398.8	65.12	-8.88	74	57.92	32.02	7.71	32.53	100	296	P	H
		5397.36	41.38	-12.62	54	34.19	32.02	7.71	32.54	100	296	A	H
		5130.52	59.61	-14.39	74	53.26	31.54	7.46	32.65	366	270	P	V
		5128.18	42.4	-11.6	54	36.05	31.54	7.46	32.65	366	270	A	V
		5250	96.76	-	-	89.99	31.75	7.61	32.59	366	270	P	V
		5250	90.55	-	-	83.78	31.75	7.61	32.59	366	270	A	V
		5388.24	63.58	-10.42	74	56.43	31.99	7.7	32.54	366	270	P	V
		5404.32	42.27	-11.73	54	35.07	32.02	7.71	32.53	366	270	A	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/67 CH 50 5250MHz		10500	49.42	-18.88	68.3	58.48	38.91	10.87	58.84	122	124	P	H
		15750	47.24	-26.76	74	54.54	38.02	13.84	59.16	184	67	P	H
		10500	49.4	-18.9	68.3	58.46	38.91	10.87	58.84	155	321	P	V
		15750	47.53	-26.47	74	54.83	38.02	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.												



Band 2 - 5250~5350MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 52 5260MHz		5108.94	48.48	-25.52	74	42.2	31.51	7.43	32.66	100	299	P	H
		5101.66	38.02	-15.98	54	31.79	31.48	7.41	32.66	100	299	A	H
	*	5260	109.25	-	-	102.44	31.78	7.62	32.59	100	299	P	H
		5260	102.18	-	-	95.37	31.78	7.62	32.59	100	299	A	H
		5433.84	47.56	-26.44	74	40.21	32.08	7.79	32.52	100	299	P	H
		5413.68	37.91	-16.09	54	30.64	32.05	7.75	32.53	100	299	A	H
		5082.68	46.59	-27.41	74	40.43	31.45	7.38	32.67	100	266	P	V
		5104.78	37	-17	54	30.77	31.48	7.41	32.66	100	266	A	V
	*	5260	102.58	-	-	95.77	31.78	7.62	32.59	100	266	P	V
		5260	95.33	-	-	88.52	31.78	7.62	32.59	100	266	A	V
		5372.4	45.37	-28.63	74	38.27	31.96	7.69	32.55	100	266	P	V
802.11ax HE20 Partial 106/54 CH 64 5300MHz		5442.48	36.4	-17.6	54	29.05	32.08	7.79	32.52	100	266	A	V
		5320	109.12	-	-	102.16	31.87	7.66	32.57	100	57	P	H
		5320	102.96	-	-	96	31.87	7.66	32.57	100	57	A	H
		5354.24	47.74	-26.26	74	40.68	31.93	7.68	32.55	100	57	P	H
		5414.4	38.99	-15.01	54	31.72	32.05	7.75	32.53	100	57	A	H
		5320	107.41	-	-	100.45	31.87	7.66	32.57	357	245	P	V
		5320	101.19	-	-	94.23	31.87	7.66	32.57	357	245	A	V
		5352.64	46.54	-27.46	74	39.48	31.93	7.68	32.55	357	245	P	V
		5414.56	37.51	-16.49	54	30.24	32.05	7.75	32.53	357	245	A	V



Band 2 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 52 5260MHz		10520	50.29	-18.01	68.3	59.29	38.94	10.88	58.82	150	220	P	H
		15780	47.72	-26.28	74	55.08	37.97	13.85	59.18	159	345	P	H
		10520	50.55	-17.75	68.3	59.55	38.94	10.88	58.82	150	220	P	V
		15780	47.6	-26.4	74	54.96	37.97	13.85	59.18	159	345	P	V
802.11ax HE20 Partial 106/54 CH 64 5300MHz		10640	47.21	-26.79	74	30.31	39.1	10.95	33.15	150	220	P	H
		15960	46.11	-27.89	74	27.64	37.4	13.99	32.92	159	345	P	H
		10640	47.89	-26.11	74	30.99	39.1	10.95	33.15	150	220	P	V
		15960	45.94	-28.06	74	27.47	37.4	13.99	32.92	159	345	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 54 5270MHz		5133	49.54	-24.46	74	43.19	31.54	7.46	32.65	100	298	P	H
		5140.7	39.27	-14.73	54	32.87	31.57	7.48	32.65	100	298	A	H
		5270	108.78	-	-	101.97	31.78	7.62	32.59	100	298	P	H
		5270	102.03	-	-	95.22	31.78	7.62	32.59	100	298	A	H
		5354.4	51.37	-22.63	74	44.31	31.93	7.68	32.55	100	298	P	H
		5382	40.5	-13.5	54	33.35	31.99	7.7	32.54	100	298	A	H
		5067.2	48.31	-25.69	74	42.22	31.42	7.35	32.68	285	251	P	V
		5141.4	37.44	-16.56	54	31.04	31.57	7.48	32.65	285	251	A	V
		5270	102.7	-	-	95.89	31.78	7.62	32.59	285	251	P	V
		5270	96.27	-	-	89.46	31.78	7.62	32.59	285	251	A	V
		5382.24	47.47	-26.53	74	40.32	31.99	7.7	32.54	285	251	P	V
		5382.48	38.14	-15.86	54	30.99	31.99	7.7	32.54	285	251	A	V
802.11ax HE40 Partial 242/62 CH 62 5310MHz		5143.15	49.37	-24.63	74	42.97	31.57	7.48	32.65	100	299	P	H
		5149.8	38.31	-15.69	54	31.9	31.57	7.48	32.64	100	299	A	H
	*	5310	107.68	-	-	100.72	31.87	7.66	32.57	100	299	P	H
		5310	101.19	-	-	94.23	31.87	7.66	32.57	100	299	A	H
		5353.68	58.34	-15.66	74	51.28	31.93	7.68	32.55	100	299	P	H
		5441.76	39.76	-14.24	54	32.41	32.08	7.79	32.52	100	299	A	H
		5077.7	48.14	-25.86	74	41.98	31.45	7.38	32.67	258	248	P	V
		5149.8	36.79	-17.21	54	30.38	31.57	7.48	32.64	258	248	A	V
	*	5310	102.32	-	-	95.36	31.87	7.66	32.57	258	248	P	V
		5310	96.51	-	-	89.55	31.87	7.66	32.57	258	248	A	V
		5353.92	52.16	-21.84	74	45.1	31.93	7.68	32.55	258	248	P	V
		5442.24	37.51	-16.49	54	30.16	32.08	7.79	32.52	258	248	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 54 5270MHz		10540	49.23	-19.07	68.3	58.18	38.96	10.89	58.8	150	220	P	H
		15810	47.95	-26.05	74	55.42	37.87	13.87	59.21	168	345	P	H
		10540	49.9	-18.4	68.3	58.85	38.96	10.89	58.8	150	220	P	V
		15810	47.53	-26.47	74	55	37.87	13.87	59.21	168	345	P	V
802.11ax HE40 Partial 242/62 CH 62 5310MHz		10620	47.84	-26.16	74	56.53	39.08	10.94	58.71	150	220	P	H
		15930	46.6	-27.4	74	54.46	37.51	13.96	59.33	160	100	P	H
		10620	47.89	-26.11	74	56.58	39.08	10.94	58.71	188	220	P	V
		15930	46.83	-27.17	74	54.69	37.51	13.96	59.33	231	146	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 58 5290MHz		5149.8	50.08	-23.92	74	43.67	31.57	7.48	32.64	100	294	P	H
		5145.95	39.64	-14.36	54	33.23	31.57	7.48	32.64	100	294	A	H
		5290	104.78	-	-	97.91	31.81	7.64	32.58	100	294	P	H
		5290	95.91	-	-	89.04	31.81	7.64	32.58	100	294	A	H
		5383.2	53.4	-20.6	74	46.25	31.99	7.7	32.54	100	294	P	H
		5373.36	45.22	-8.78	54	38.11	31.96	7.69	32.54	100	294	A	H
		5141.4	47.06	-26.94	74	40.66	31.57	7.48	32.65	350	258	P	V
		5145.95	37.61	-16.39	54	31.2	31.57	7.48	32.64	350	258	A	V
		5290	102.2	-	-	95.33	31.81	7.64	32.58	350	258	P	V
		5290	93.02	-	-	86.15	31.81	7.64	32.58	350	258	A	V
		5448.96	46.8	-27.2	74	39.37	32.11	7.84	32.52	350	258	P	V
		5367.84	37.77	-16.23	54	30.67	31.96	7.69	32.55	350	258	A	V
802.11ax HE80 Partial 484/66 CH 58 5290MHz		5087.5	51.1	-22.9	74	44.94	31.45	7.38	32.67	100	294	P	H
		5145.6	38.4	-15.6	54	31.99	31.57	7.48	32.64	100	294	A	H
		5290	104.27	-	-	97.4	31.81	7.64	32.58	100	294	P	H
		5290	96.56	-	-	89.69	31.81	7.64	32.58	100	294	A	H
		5350.08	51.8	-22.2	74	44.74	31.93	7.68	32.55	100	294	P	H
		5350.08	42.04	-11.96	54	34.98	31.93	7.68	32.55	100	294	A	H
		5130.55	46.28	-27.72	74	39.93	31.54	7.46	32.65	349	271	P	V
		5149.8	37.45	-16.55	54	31.04	31.57	7.48	32.64	349	271	A	V
		5290	100.08	-	-	93.21	31.81	7.64	32.58	349	271	P	V
		5290	93.14	-	-	86.27	31.81	7.64	32.58	349	271	A	V
		5359.2	51.57	-22.43	74	44.51	31.93	7.68	32.55	349	271	P	V
		5350.08	38.01	-15.99	54	30.95	31.93	7.68	32.55	349	271	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 58 5290MHz		10580	49.45	-18.85	68.3	58.25	39.03	10.92	58.75	185	215	P	H
		15870	47.37	-26.63	74	55.07	37.66	13.92	59.28	196	190	P	H
		10580	49.93	-18.37	68.3	58.73	39.03	10.92	58.75	170	232	P	V
		15870	47.31	-26.69	74	55.01	37.66	13.92	59.28	190	130	P	V
802.11ax HE80 Partial 484/65 CH 58 5290MHz		10580	49.45	-18.85	68.3	58.25	39.03	10.92	58.75	185	215	P	H
		15870	47.63	-26.37	74	55.33	37.66	13.92	59.28	196	190	P	H
		10580	50.07	-18.23	68.3	58.87	39.03	10.92	58.75	170	232	P	V
		15870	47.46	-26.54	74	55.16	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.												



Band 3 - 5470~5725MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 100 5500MHz		5396.24	45.89	-28.11	74	38.7	32.02	7.71	32.54	116	62	P	H
		5467.76	47.87	-20.43	68.3	40.36	32.14	7.88	32.51	116	62	P	H
		5459.44	37.62	-16.38	54	30.18	32.11	7.84	32.51	116	62	A	H
	*	5500	108.14	-	-	100.48	32.2	7.96	32.5	116	62	P	H
		5500	101.73	-	-	94.07	32.2	7.96	32.5	116	62	A	H
		5377.84	46.21	-27.79	74	39.06	31.99	7.7	32.54	100	2	P	V
		5462.96	44.89	-23.41	68.3	37.38	32.14	7.88	32.51	100	2	P	V
		5460	36.54	-17.46	54	29.1	32.11	7.84	32.51	100	2	A	V
	*	5500	104.57	-	-	96.91	32.2	7.96	32.5	100	2	P	V
802.11ax HE20 Partial 106/54 CH 140 5700MHz		5500	96.72	-	-	89.06	32.2	7.96	32.5	100	2	A	V
	*	5700	107.12	-	-	98.82	32.28	8.52	32.5	109	297	P	H
		5700	99.26	-	-	90.96	32.28	8.52	32.5	109	297	A	H
		5729.4	47.88	-20.42	68.3	39.64	32.29	8.45	32.5	109	297	P	H
	*	5700	105.54	-	-	97.24	32.28	8.52	32.5	102	318	P	V
		5700	98.26	-	-	89.96	32.28	8.52	32.5	102	318	A	V
Remark		5726.44	48.61	-19.69	68.3	40.37	32.29	8.45	32.5	102	318	P	V
	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 100 5500MHz		11000	47.65	-26.35	74	55.21	39.6	11.14	58.3	163	230	P	H
		16500	49.04	-19.26	68.3	54.89	38.72	14.27	58.84	196	273	P	H
		11000	47.82	-26.18	74	55.38	39.6	11.14	58.3	155	212	P	V
		16500	49.49	-18.81	68.3	55.34	38.72	14.27	58.84	178	296	P	V
802.11ax HE20 Partial 106/54 CH 140 5700MHz		11400	47.83	-26.17	74	54.85	39.36	11.47	57.85	157	285	P	H
		17100	49.64	-18.66	68.3	52.41	40.7	14.69	58.16	165	246	P	H
		11400	47.08	-26.92	74	54.1	39.36	11.47	57.85	122	291	P	V
		17100	49.29	-19.01	68.3	52.06	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.												



Band 3 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 102 5510MHz		5421.04	49.57	-24.43	74	42.3	32.05	7.75	32.53	101	295	P	H
		5463.04	49	-19.3	68.3	41.49	32.14	7.88	32.51	101	295	P	H
		5392.48	40.8	-13.2	54	33.65	31.99	7.7	32.54	101	295	A	H
	*	5510	108.77	-	-	101.11	32.2	7.96	32.5	101	295	P	H
		5510	101.08	-	-	93.42	32.2	7.96	32.5	101	295	A	H
		5759.645	48.31	-19.99	68.3	40.12	32.3	8.39	32.5	101	295	P	H
		5453.92	45.95	-28.05	74	38.51	32.11	7.84	32.51	205	271	P	V
		5461.36	44.6	-23.7	68.3	37.16	32.11	7.84	32.51	205	271	P	V
		5458.96	36.66	-17.34	54	29.22	32.11	7.84	32.51	205	271	A	V
	*	5510	100.71	-	-	93.05	32.2	7.96	32.5	205	271	P	V
		5510	94.55	-	-	86.89	32.2	7.96	32.5	205	271	A	V
		5755.865	47.1	-21.2	68.3	38.91	32.3	8.39	32.5	205	271	P	V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		5400.4	45.5	-28.5	74	38.3	32.02	7.71	32.53	105	293	P	H
		5466.55	45.46	-22.84	68.3	37.95	32.14	7.88	32.51	105	293	P	H
		5459.9	37.26	-16.74	54	29.82	32.11	7.84	32.51	105	293	A	H
	*	5670	107.05	-	-	98.87	32.27	8.41	32.5	105	293	P	H
		5670	99.81	-	-	91.63	32.27	8.41	32.5	105	293	A	H
		5719.15	55.59	-12.71	68.3	47.35	32.29	8.45	32.5	105	293	P	H
		5373.1	45.71	-28.29	74	38.61	31.96	7.69	32.55	323	267	P	V
		5465.15	45.13	-23.17	68.3	37.62	32.14	7.88	32.51	323	267	P	V
		5459.9	36.43	-17.57	54	28.99	32.11	7.84	32.51	323	267	A	V
	*	5670	106.45	-	-	98.27	32.27	8.41	32.5	323	267	P	V
		5670	99.81	-	-	91.63	32.27	8.41	32.5	323	267	A	V
		5739.625	46.63	-21.67	68.3	38.41	32.3	8.42	32.5	323	267	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 102 5510MHz		11020	47.16	-26.84	74	54.7	39.59	11.15	58.28	187	256	P	H
		16530	49.36	-18.94	68.3	55.05	38.82	14.29	58.8	100	30	P	H
		11020	47.23	-26.77	74	54.77	39.59	11.15	58.28	170	230	P	V
		16530	50.14	-18.16	68.3	55.83	38.82	14.29	58.8	160	300	P	V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		11340	47.95	-26.05	74	55.06	39.4	11.42	57.93	195	335	P	H
		17010	49.14	-19.16	68.3	52.66	40.2	14.56	58.28	205	310	P	H
		11340	47.06	-26.94	74	54.17	39.4	11.42	57.93	166	314	P	V
		17010	49.53	-18.77	68.3	53.05	40.2	14.56	58.28	100	121	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 106 5530MHz		5396.32	48.48	-25.52	74	41.29	32.02	7.71	32.54	100	301	P	H
		5464	48.03	-20.27	68.3	40.52	32.14	7.88	32.51	100	301	P	H
		5387.2	39.13	-14.87	54	31.98	31.99	7.7	32.54	100	301	A	H
		5530	103.02	-	-	95.35	32.21	7.96	32.5	100	301	P	H
		5530	96.2	-	-	88.53	32.21	7.96	32.5	100	301	A	H
		5735.705	47.04	-21.26	68.3	38.82	32.3	8.42	32.5	100	301	P	H
		5413.36	45.97	-28.03	74	38.7	32.05	7.75	32.53	100	9	P	V
		5463.76	45.92	-22.38	68.3	38.41	32.14	7.88	32.51	100	9	P	V
		5458.72	36.52	-17.48	54	29.08	32.11	7.84	32.51	100	9	A	V
		5530	97.62	-	-	89.95	32.21	7.96	32.5	100	9	P	V
		5530	90.24	-	-	82.57	32.21	7.96	32.5	100	9	A	V
		5737.28	46.34	-21.96	68.3	38.12	32.3	8.42	32.5	100	9	P	V
802.11ax HE80 Partial 484/66 CH 122 5610MHz		5450.8	47.23	-26.77	74	39.79	32.11	7.84	32.51	141	329	P	H
		5461.84	46.51	-21.79	68.3	39.07	32.11	7.84	32.51	141	329	P	H
		5459.44	37.82	-16.18	54	30.38	32.11	7.84	32.51	141	329	A	H
		5610	101.93	-	-	94.22	32.24	7.97	32.5	141	329	P	H
		5610	94.48	-	-	86.77	32.24	7.97	32.5	141	329	A	H
		5743.475	47.28	-21.02	68.3	39.06	32.3	8.42	32.5	141	329	P	H
		5459.68	45.3	-28.7	74	37.86	32.11	7.84	32.51	100	2	P	V
		5470.96	44.89	-23.41	68.3	37.38	32.14	7.88	32.51	100	2	P	V
		5445.04	36.48	-17.52	54	29.13	32.08	7.79	32.52	100	2	A	V
		5610	99.56	-	-	91.85	32.24	7.97	32.5	100	2	P	V
		5610	91.04	-	-	83.33	32.24	7.97	32.5	100	2	A	V
		5745.925	47.2	-21.1	68.3	38.98	32.3	8.42	32.5	100	2	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 106 5530MHz		11060	47.46	-26.54	74	54.93	39.56	11.2	58.23	170	230	P	H
		16590	50.36	-17.94	68.3	55.83	38.96	14.32	58.75	155	305	P	H
		11060	46.87	-27.13	74	54.34	39.56	11.2	58.23	166	212	P	V
		16590	50	-18.3	68.3	55.47	38.96	14.32	58.75	132	343	P	V
802.11ax HE80 Partial 484/66 CH 122 5610MHz		11220	47.52	-26.48	74	54.79	39.47	11.32	58.06	200	360	P	H
		16830	48.69	-19.61	68.3	53.11	39.63	14.44	58.49	170	315	P	H
		11220	46.96	-27.04	74	54.23	39.47	11.32	58.06	155	260	P	V
		16830	48.3	-20	68.3	52.72	39.63	14.44	58.49	180	220	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/67 CH 144 5570MHz		5407.36	56.64	-17.36	74	49.44	32.02	7.71	32.53	100	295	P	H
		5464	52.37	-15.93	68.3	44.86	32.14	7.88	32.51	100	295	P	H
		5442.88	40.98	-13.02	54	33.63	32.08	7.79	32.52	100	295	A	H
		5570	102.21	-	-	94.51	32.23	7.97	32.5	100	295	P	H
		5570	96.57	-	-	88.87	32.23	7.97	32.5	100	295	A	H
		5725.31	57.18	-11.12	68.3	48.94	32.29	8.45	32.5	100	295	P	H
		5448.16	56.1	-17.9	74	48.67	32.11	7.84	32.52	344	262	P	V
		5468.32	53.48	-14.82	68.3	45.97	32.14	7.88	32.51	344	262	P	V
		5444.32	38.44	-15.56	54	31.09	32.08	7.79	32.52	344	262	A	V
		5570	99.99	-	-	92.29	32.23	7.97	32.5	344	262	P	V
		5570	93.69	-	-	85.99	32.23	7.97	32.5	344	262	A	V
		5728.145	61.36	-6.94	68.3	53.12	32.29	8.45	32.5	344	262	P	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/67 CH 144 5570MHz		11140	47.41	-26.59	74	54.79	39.52	11.25	58.15	122	181	P	H
		16710	48.07	-20.23	68.3	53.02	39.29	14.38	58.62	165	15	P	H
		11140	47.25	-26.75	74	54.63	39.52	11.25	58.15	173	42	P	V
		16710	48.29	-20.01	68.3	53.24	39.29	14.38	58.62	153	312	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/54 CH 144 5720MHz		11440	47.06	-26.94	74	49.05	39.34	11.5	52.83	157	285	P	H
		17160	49.92	-18.38	68.3	46.25	41.1	14.8	52.23	165	246	P	H
		11440	47.42	-26.58	74	49.41	39.34	11.5	52.83	122	291	P	V
		17160	50.26	-18.04	68.3	46.59	41.1	14.8	52.23	153	102	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/62 CH 142 5710MHz		11420	46.52	-27.48	74	48.5	39.35	11.49	52.82	157	285	P	H
		17130	50.37	-17.93	68.3	46.91	40.9	14.75	52.19	165	246	P	H
		11420	47.08	-26.92	74	49.06	39.35	11.49	52.82	122	291	P	V
		17130	50.3	-18	68.3	46.84	40.9	14.75	52.19	153	102	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/66 CH 138 5690MHz		11380	47.63	-26.37	74	49.58	39.37	11.46	52.78	157	285	P	H
		17070	50.26	-18.04	68.3	47.21	40.5	14.64	52.09	165	246	P	H
		11380	47.95	-26.05	74	49.9	39.37	11.46	52.78	122	291	P	V
		17070	51.91	-16.39	68.3	48.86	40.5	14.64	52.09	153	102	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	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
 = 55.45 (dBμV/m)
2. Over Limit(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 74(dBμV/m)
 = -18.55(dB)

For Average Limit @ 2390MHz:

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

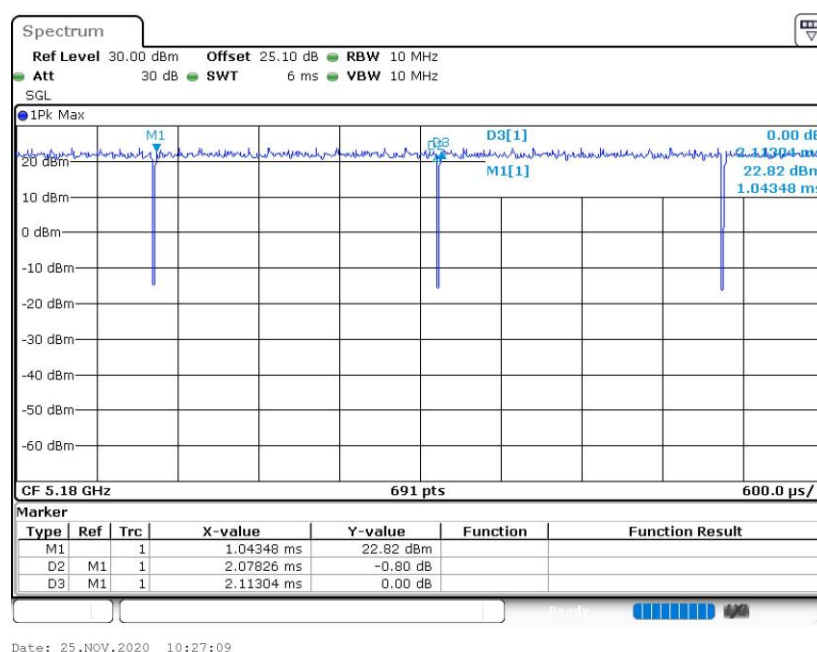
Both peak and average measured complies with the limit line, so test result is “PASS”.

Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
1+2	802.11a	98.35	-	-	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

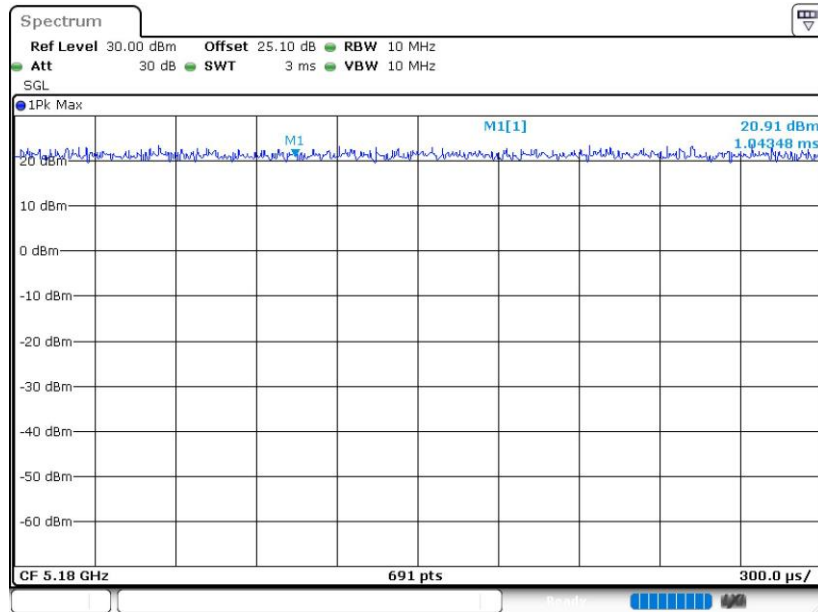
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802.11a



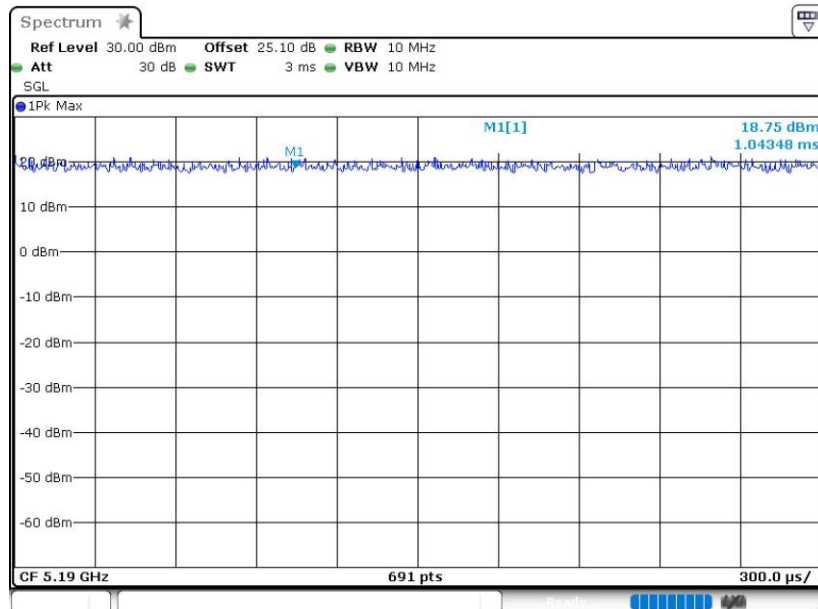


802.11n HT20



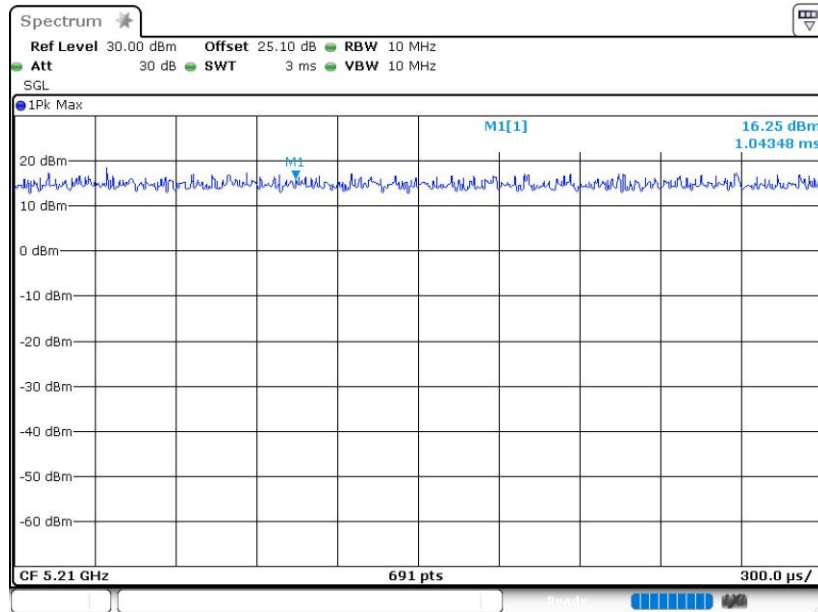
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802.11n HT40



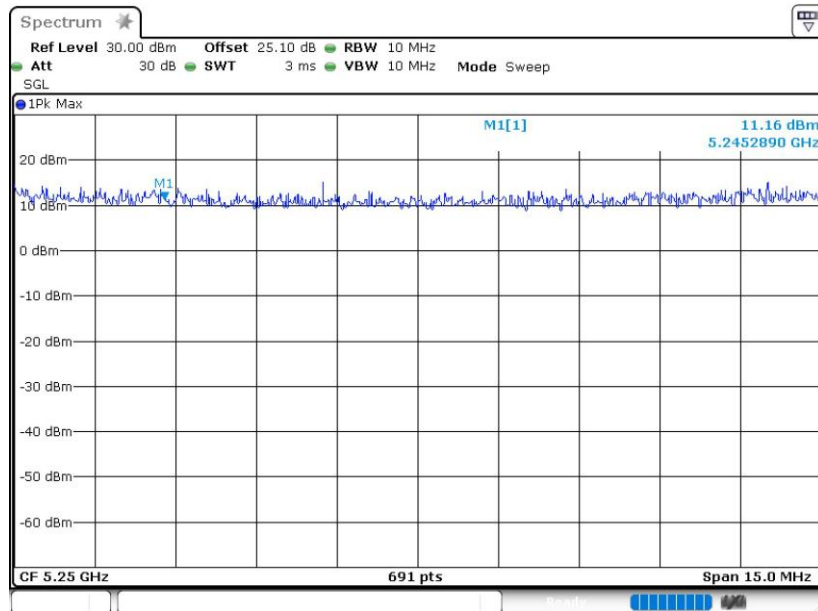
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802.11ac VHT80



Date: 25.NOV.2020 10:51:59

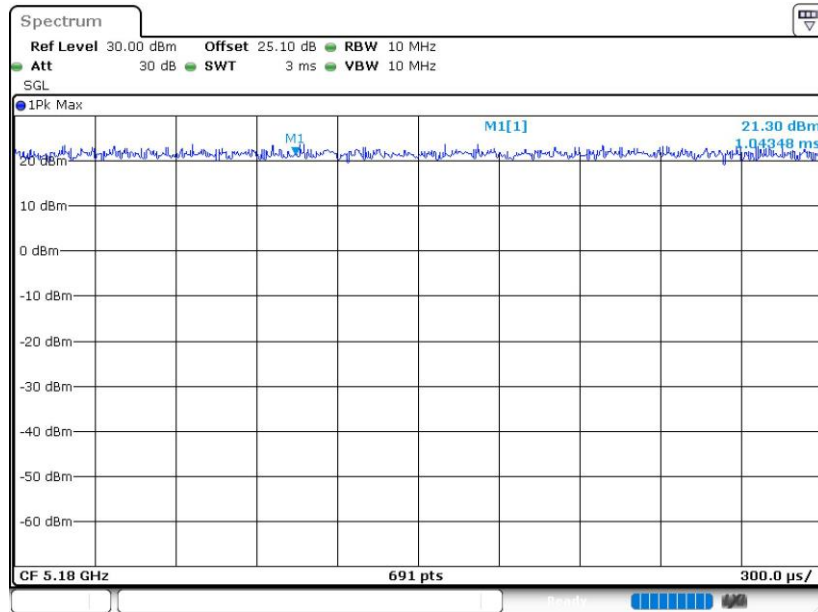
802.11ac VHT160



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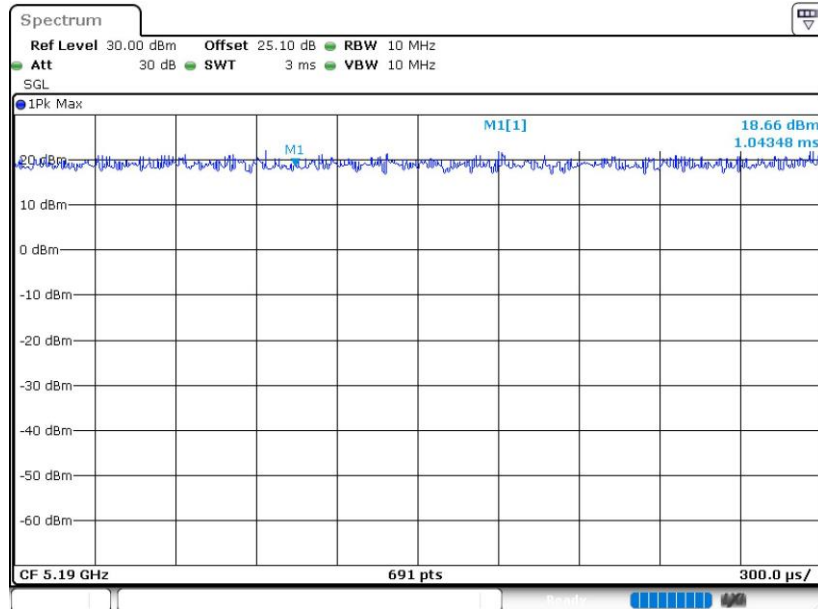


802.11ax HE20



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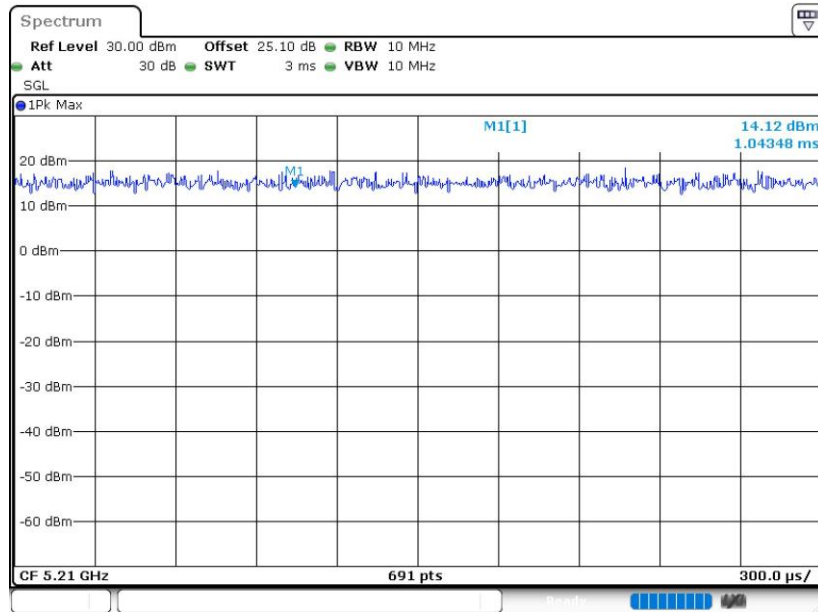
802.11ax HE40



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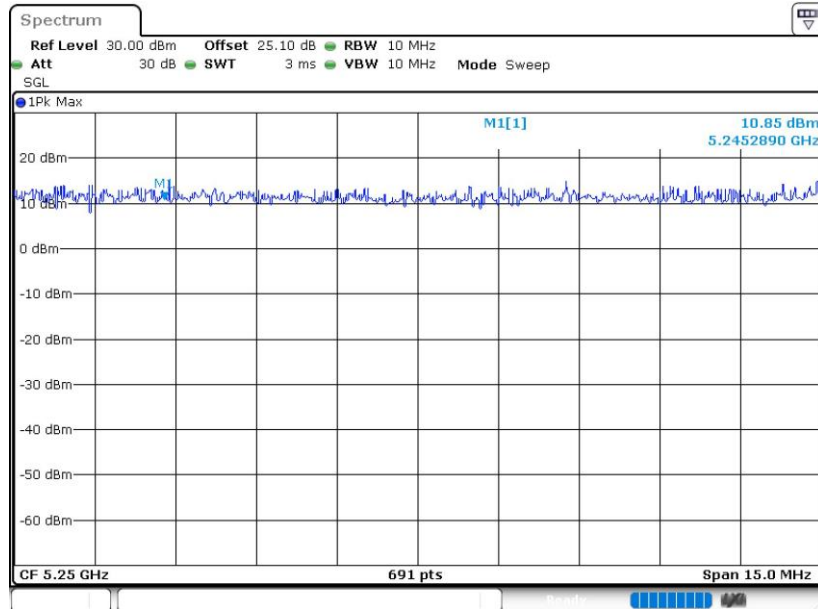


802.11ax HE80



Date: 25.NOV.2020 11:13:51

802.11ax VHE160



Date: 25.NOV.2020 11:40:30