FCC RF Test Report

APPLICANT	:	Lenovo(Shanghai) Electronics Technology Co., Ltd.
EQUIPMENT	:	Portable Tablet Computer
BRAND NAME	:	Lenovo
MODEL NAME	:	Lenovo YT-K606F
FCC ID	:	O57YTK606F
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure

The product was received on Jan. 14, 2021 and testing was completed on Mar. 01, 2021. We, Sporton International (Kunshan) 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 (Kunshan) Inc., the test report shall not be reproduced except in full.

Jason Jia

Reviewed by: Jason Jia / Supervisor

James Huang

Approved by: James Huang / Manager

ACCREDITED
Cert #5145.02

Sporton International (Kunshan) Inc.
No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR111401D	Rev. 01	Initial issue of report	Mar. 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 3.78 dB at 5149.980 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 11.91 dB at 0.570 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

Lenovo(Shanghai) Electronics Technology Co., Ltd.
Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone

1.2 Manufacturer

Lenovo PC HK Limited
23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong, P.R.China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Portable Tablet Computer
Brand Name	Lenovo
Model Name	Lenovo YT-K606F
FCC ID	O57YTK606F
EUT supports Radios application	WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 2.4GHz 802.11ax HE20/HE40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80 WLAN 5GHz 802.11ax HE20/HE40/HE80 Bluetooth BR/EDR/LE
HW Version	Lenovo YT-K606F
SW Version	YT-K606F_RF01_210125
EUT Stage	Identical Prototype

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

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna	**<MIMO Ant.1+2>** **<5180 MHz ~ 5240 MHz>** 802.11a : 17.30 dBm / 0.0537 W 802.11n HT20 : 17.57 dBm / 0.0571 W 802.11n HT40 : 17.09 dBm / 0.0512 W 802.11ac VHT20 : 17.52 dBm / 0.0565 W 802.11ac VHT40 : 17.01 dBm / 0.0502 W 802.11ac VHT80 : 16.08 dBm / 0.0406 W 802.11ax HE20 : 17.68 dBm / 0.0586 W 802.11ax HE40 : 17.45 dBm / 0.0556 W 802.11ax HE80 : 16.13 dBm / 0.0410 W

	<5260 MHz ~ 5320 MHz> 802.11a : 20.99 dBm / 0.1256 W 802.11n HT20 : 21.36 dBm / 0.1368 W 802.11n HT40 : 17.38 dBm / 0.0547 W 802.11ac VHT20 : 21.17 dBm / 0.1309 W 802.11ac VHT40 : 17.34 dBm / 0.0542 W 802.11ac VHT80 : 16.42 dBm / 0.0439 W 802.11ax HE20 : 20.33 dBm / 0.1079 W 802.11ax HE40 : 17.78 dBm / 0.0600 W 802.11ax HE80 : 16.49 dBm / 0.0446 W **<5500 MHz ~ 5720 MHz >** 802.11a : 21.03 dBm / 0.1268 W 802.11n HT20 : 21.41 dBm / 0.1384 W 802.11n HT40 : 17.54 dBm / 0.0568 W 802.11ac VHT20 : 21.20 dBm / 0.1318 W 802.11ac VHT40 : 17.46 dBm / 0.0557 W 802.11ac VHT80 : 16.58 dBm / 0.0455 W 802.11ax HE20 : 20.41 dBm / 0.1099 W 802.11ax HE40 : 17.92 dBm / 0.0619 W 802.11ax HE80 : 16.58 dBm / 0.0455 W
99% Occupied Bandwidth	**<MIMO Ant.1+2>** **<5180 MHz ~ 5240 MHz>** 802.11a : 16.98 MHz 802.11n HT20 : 17.98 MHz 802.11n HT40 : 36.16 MHz 802.11ac VHT80 : 75.40 MHz 802.11ax HE20 : 19.28 MHz 802.11ax HE40 : 37.86 MHz 802.11ax HE80 : 77.20 MHz **<5260 MHz ~ 5320 MHz>** 802.11a : 16.93 MHz 802.11n HT20 : 18.03 MHz 802.11n HT40 : 36.16 MHz 802.11ac VHT80 : 75.40 MHz 802.11ax HE20 : 19.33 MHz 802.11ax HE40 : 37.86 MHz 802.11ax HE80 : 77.08 MHz **<5500 MHz ~ 5720 MHz >** 802.11a : 16.98 MHz 802.11n HT20 : 18.03 MHz 802.11n HT40 : 36.16 MHz 802.11ac VHT80 : 75.40 MHz 802.11ax HE20 : 19.33 MHz 802.11ax HE40 : 37.96 MHz 802.11ax HE80 : 77.20 MHz
Antenna Type / Gain	**<5150 MHz ~ 5250 MHz>** <Ant. 1> : LDS Antenna with gain -0.90 dBi <Ant. 2> : LDS Antenna with gain 0.00 dBi **<5250 MHz ~ 5350 MHz>** <Ant. 1> : LDS Antenna with gain -1.70 dBi <Ant. 2> : LDS Antenna with gain -1.60 dBi **<5470 MHz ~ 5725 MHz>** <Ant. 1> : LDS Antenna with gain -1.40 dBi <Ant. 2> : LDS Antenna with gain -1.80 dBi

Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac/ax : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)
Antenna Function Description	

	Ant. 1	Ant. 2
802.11 a/n/ac/ax SISO	V	V
802.11 a/n/ac/ax MIMO	V	V

Note:

1. For 802.11n HT20 / ac VHT20 and 802.11n HT40 / ac VHT40 mode, the whole testing have assessed only 802.11n HT20/ HT40 by referring to their maximum conducted power.
2. For SISO & MIMO mode, the whole testing has assessed MIMO mode by referring to their 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 (Kunshan) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International (Kunshan) Inc.		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	CO01-KS 03CH05-KS TH01-KS	CN1257	314309

1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH05-KS	AUDIX	E3	6.2009-8-24al
2.	CO01-KS	AUDIX	E3	6.2009-8-24

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		

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

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

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

Note:

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

2.2 Test Mode

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

MIMO Mode

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20	**MCS0**
802.11n HT40	**MCS0**
802.11ac VHT80	**MCS0**
802.11ax HE20	**MCS0**
802.11ax HE40	**MCS0**
802.11ax HE80	**MCS0**

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN Link(5G) + USB Cable(Charging from Adapter 2) + HDMI Load With Notebook for Sample 2
Remark: For Radiated Test Cases, The tests were performance with Adapter1 and Sample 2.	

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

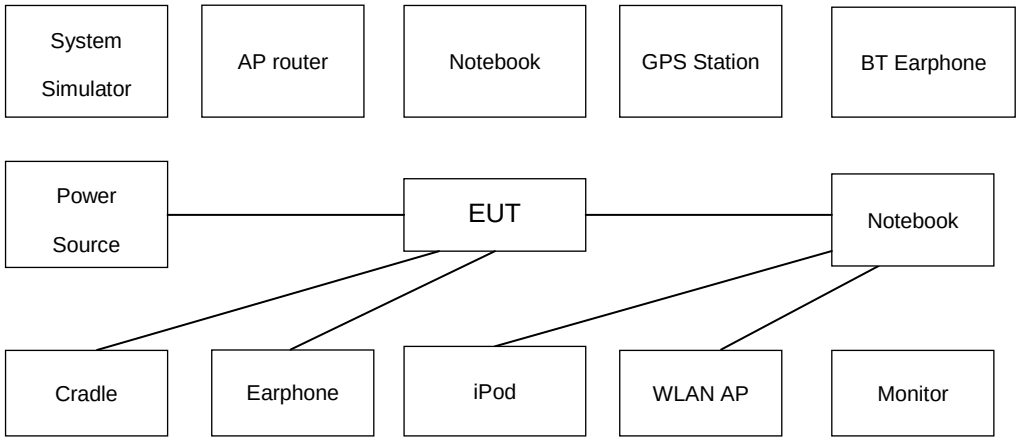
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	-
Straddle		-	-	138

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE20	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：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		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：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	-
Straddle		-	-	138

2.3 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

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

2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Lenovo	LBH308	N/A	N/A	N/A
2.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded,1.8m
3.	Notebook	Lenovo	V130-15IKB005	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
4.	Hard Disk	Lenovo	F310	DoC	Shielded, 1.2m	N/A
5.	SD Card	Kingston	8GB	N/A	N/A	N/A

2.5 EUT Operation Test Setup

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

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

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 7.3 dB.

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

= 7.3 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

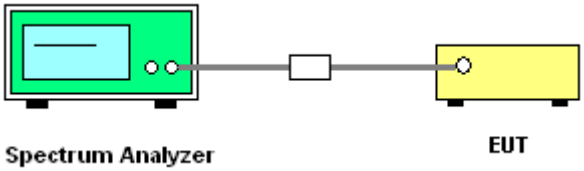
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

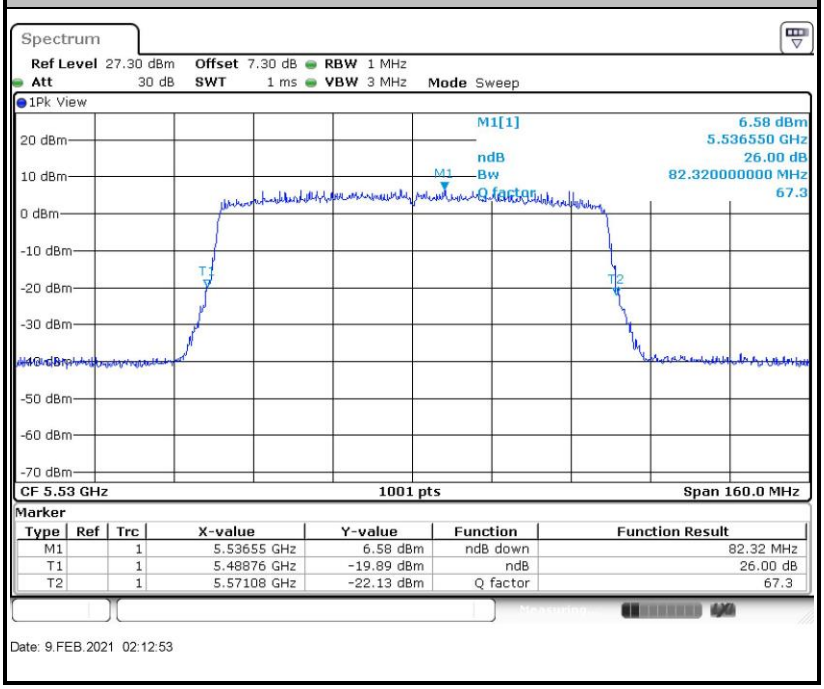
3.1.4 Test Setup



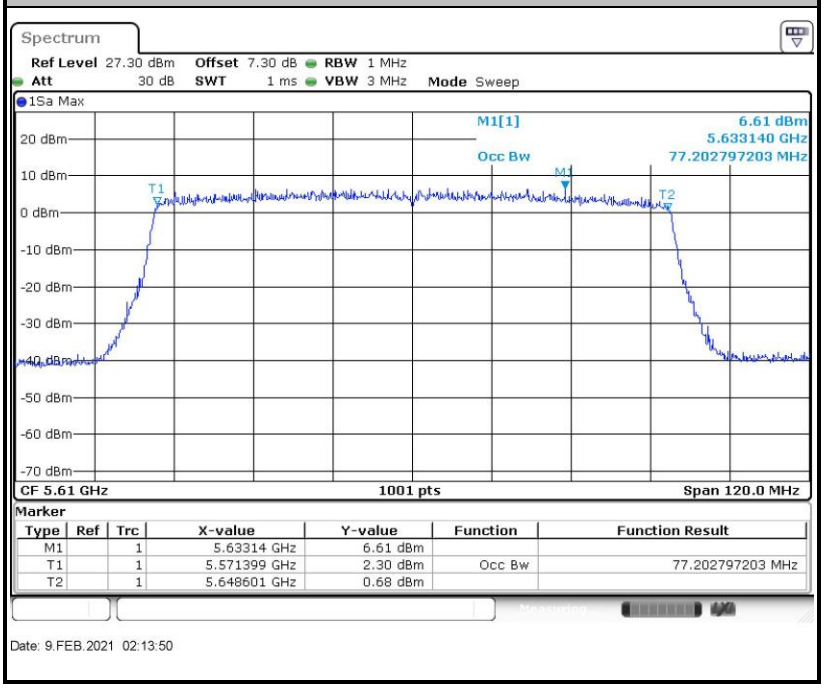
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

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

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

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 log10 B, dBm, whichever power is less. The maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log10B, 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

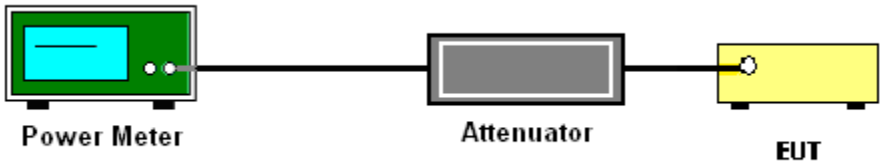
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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).

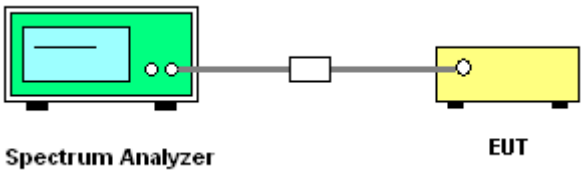
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x),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

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

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

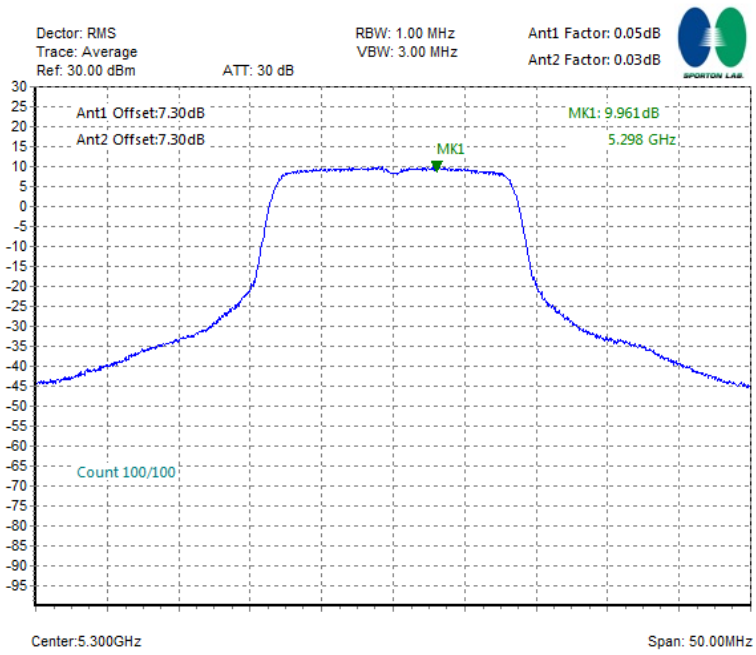
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

(2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table,

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

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

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

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

where

EIRP is the equivalent isotropically radiated power, in dBm

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

d_{Meas} is the measurement distance, in m

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

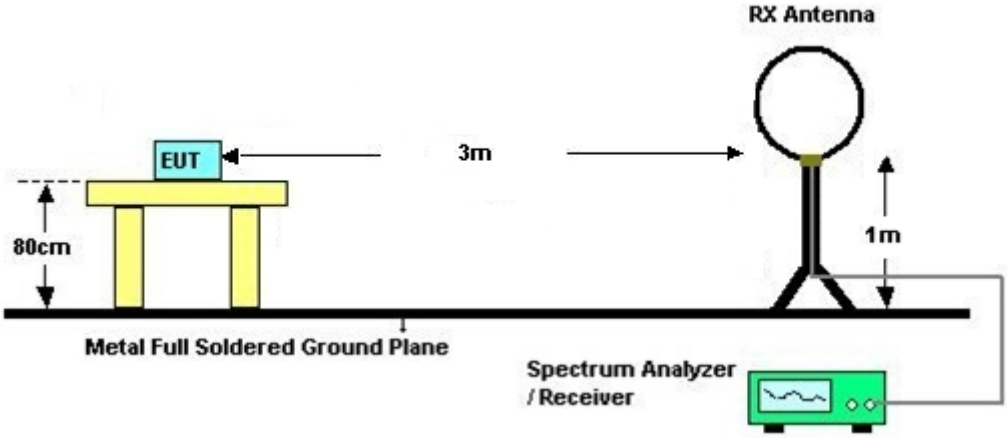
   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

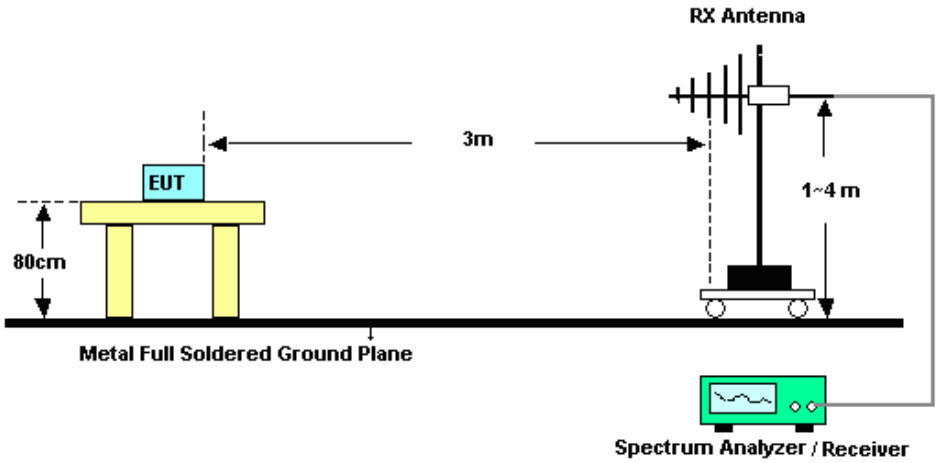
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting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

3.4.4 Test Setup

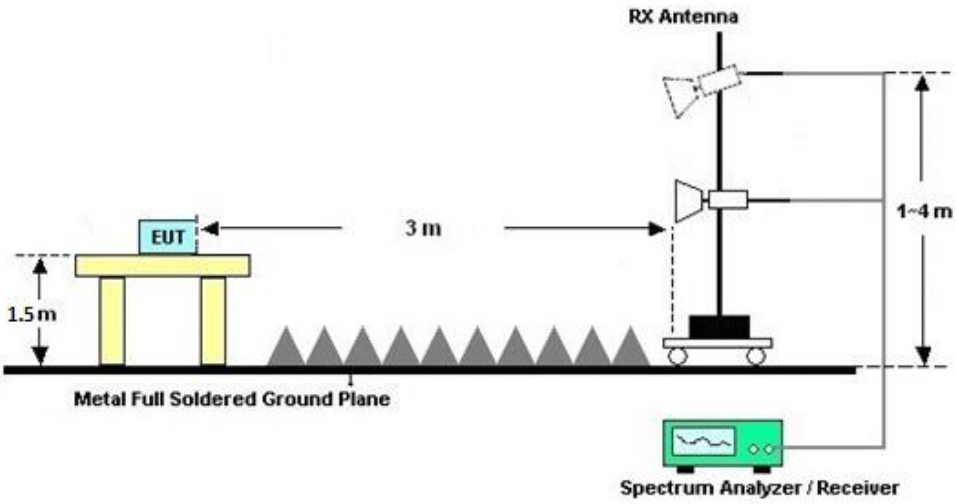
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

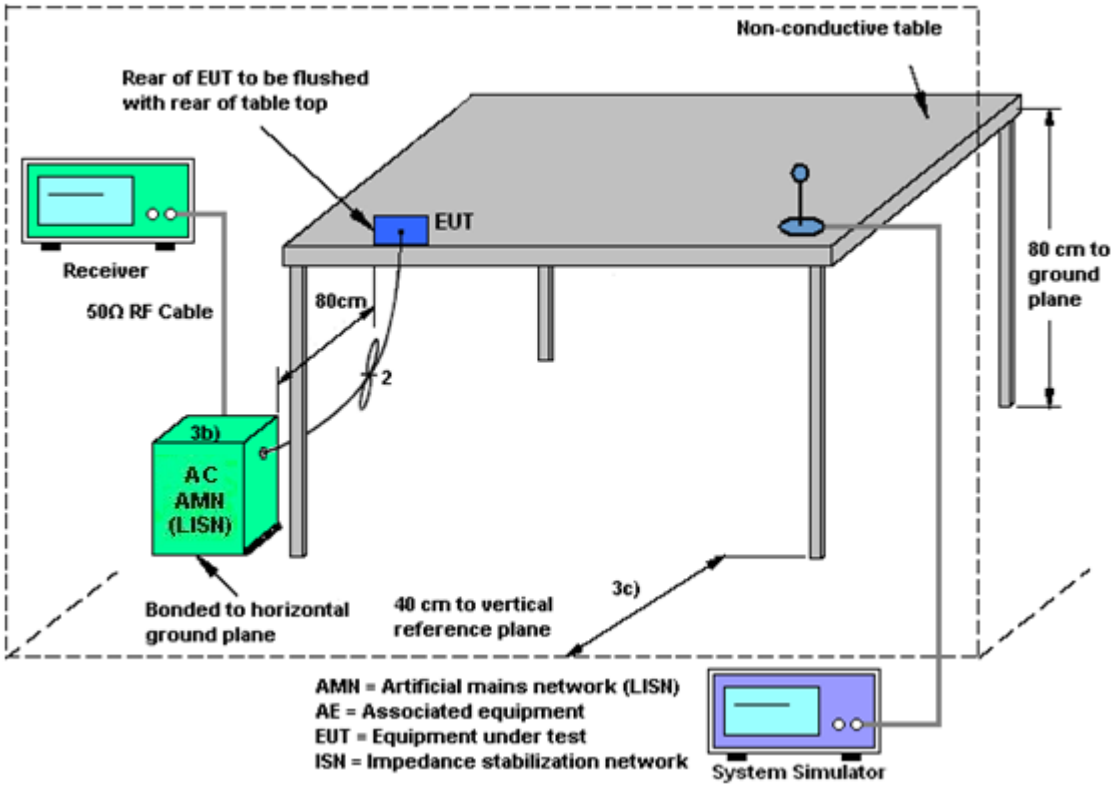
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

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

3.6.3 Test Result of Automatically Discontinue Transmission

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-0.90	0.00	0.00	2.57	0.00	0.00
Band II	-1.70	-1.60	-1.60	1.36	0.00	0.00
Band III	-1.40	-1.80	-1.40	1.41	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	101040	10Hz~40GHz	Nov. 01, 2020	Feb. 09, 2021	Oct. 31, 2021	Conducted (TH01-KS)
Pulse Power Senor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 07, 2021	Feb. 09, 2021	Jan. 06, 2022	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 07, 2021	Feb. 09, 2021	Jan. 06, 2022	Conducted (TH01-KS)
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz;Max 30dBm	Oct. 17, 2020	Feb. 15, 2021	Oct. 16, 2021	Radiation (03CH05-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz-44G,MAX 30dB	Apr. 15, 2020	Feb. 15, 2021	Apr. 14, 2021	Radiation (03CH05-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Nov. 01, 2020	Feb. 15, 2021	Oct. 31, 2021	Radiation (03CH05-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	May 30, 2020	Feb. 15, 2021	May 29, 2021	Radiation (03CH05-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00218652	1GHz~18GHz	Apr. 26, 2020	Feb. 15, 2021	Apr. 25, 2021	Radiation (03CH05-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Nov. 10, 2020	Feb. 15, 2021	Nov. 09, 2021	Radiation (03CH05-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Apr. 14, 2020	Feb. 15, 2021	Apr. 13, 2021	Radiation (03CH05-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 07, 2021	Feb. 15, 2021	Jan. 06, 2022	Radiation (03CH05-KS)
high gain Amplifier	MITEQ	AMF-7D-00101800-30-10P	2012228	1Ghz-18Ghz	Oct. 17, 2020	Feb. 15, 2021	Oct. 16, 2021	Radiation (03CH05-KS)
Amplifier	Keysight	83017A	MY53270316	500MHz~26.5GHz	Oct. 17, 2020	Feb. 15, 2021	Oct. 16, 2021	Radiation (03CH05-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Feb. 15, 2021	NCR	Radiation (03CH05-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Feb. 15, 2021	NCR	Radiation (03CH05-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Feb. 15, 2021	NCR	Radiation (03CH05-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 14, 2020	Mar. 01, 2021	Apr. 13, 2021	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 17, 2020	Mar. 01, 2021	Oct. 16, 2021	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	Oct. 17, 2020	Mar. 01, 2021	Oct. 16, 2021	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 17, 2020	Mar. 01, 2021	Oct. 16, 2021	Conduction (CO01-KS)

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))	**2.9dB**

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

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

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

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

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

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

Appendix A. Conducted Test Results

A1. Conducted Test Results

Test Engineer:	Smile Wang/Kib Shi	Temperature:	21~25	°C
Test Date:	2021/2/9	Relative Humidity:	51~54	%
Tool & Version		Test Site	TH01-KS	

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TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO														
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	16.78	16.93	20.23	20.18	-		22.25			
11a	6Mbps	2	44	5220	16.78	16.98	20.28	19.83	-		22.25			
11a	6Mbps	2	48	5240	16.78	16.98	20.18	19.88	-		22.25			
HT20	MCS0	2	36	5180	17.98	17.93	21.28	20.98	-		22.54			
HT20	MCS0	2	44	5220	17.98	17.98	21.33	21.18	-		22.55			
HT20	MCS0	2	48	5240	17.93	17.98	21.28	21.08	-		22.54			
HT40	MCS0	2	38	5190	36.16	36.06	40.28	40.19	-		23.01			
HT40	MCS0	2	46	5230	36.06	36.06	40.28	40.37	-		23.01			
VHT80	MCS0	2	42	5210	75.28	75.40	81.52	81.68	-		23.01			

Band I MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	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		
HE20	MCS0	2	36	5180	Full	19.28	19.23	21.73	21.88	-		22.84			
HE20	MCS0	2	44	5220	Full	19.28	19.18	22.13	21.78	-		22.83			
HE20	MCS0	2	48	5240	Full	19.28	19.23	21.83	21.93	-		22.84			
HE40	MCS0	2	38	5190	Full	37.76	37.86	41.27	41.09	-		23.01			
HE40	MCS0	2	46	5230	Full	37.86	37.76	41.09	41.09	-		23.01			
HE80	MCS0	2	42	5210	Full	77.20	77.08	82.00	81.84	-		23.01			

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TEST RESULTS DATA
Average Power Table

FCC Band I MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power with duty factor (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	5180	0.05	0.03	14.33	14.07	17.21	24.00		0.00			Pass
11a	6Mbps	2	44	5220	0.05	0.03	14.32	14.15	17.25	24.00		0.00			Pass
11a	6Mbps	2	48	5240	0.05	0.03	14.26	14.31	17.30	24.00		0.00			Pass
HT20	MCS0	2	36	5180	0.00	0.00	14.58	14.38	17.49	24.00		0.00			Pass
HT20	MCS0	2	44	5220	0.00	0.00	14.52	14.52	17.53	24.00		0.00			Pass
HT20	MCS0	2	48	5240	0.00	0.00	14.45	14.66	17.57	24.00		0.00			Pass
HT40	MCS0	2	38	5190	0.00	0.00	14.36	13.77	17.09	24.00		0.00			Pass
HT40	MCS0	2	46	5230	0.00	0.00	14.15	13.91	17.04	24.00		0.00			Pass
VHT20	MCS0	2	36	5180	0.00	0.00	14.55	14.35	17.46	24.00		0.00			Pass
VHT20	MCS0	2	44	5220	0.00	0.00	14.48	14.46	17.48	24.00		0.00			Pass
VHT20	MCS0	2	48	5240	0.00	0.00	14.41	14.61	17.52	24.00		0.00			Pass
VHT40	MCS0	2	38	5190	0.00	0.00	14.16	13.83	17.01	24.00		0.00			Pass
VHT40	MCS0	2	46	5230	0.00	0.00	13.95	13.95	16.96	24.00		0.00			Pass
VHT80	MCS0	2	42	5210	0.00	0.00	13.05	13.09	16.08	24.00		0.00			Pass

FCC Band I MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	14.74	14.52	17.64	24.00		0.00			Pass
HE20	MCS0	2	36	5180	26/0	5.29	5.18	8.25	24.00		0.00			Pass
HE20	MCS0	2	36	5180	52/37	8.15	10.32	12.38	24.00		0.00			Pass
HE20	MCS0	2	36	5180	106/53	11.10	10.92	14.02	24.00		0.00			Pass
HE20	MCS0	2	44	5220	Full	14.67	14.61	17.65	24.00		0.00			Pass
HE20	MCS0	2	44	5220	26/4	6.75	6.31	9.55	24.00		0.00			Pass
HE20	MCS0	2	44	5220	52/39	8.55	8.11	11.35	24.00		0.00			Pass
HE20	MCS0	2	44	5220	106/53	10.90	10.74	13.83	24.00		0.00			Pass
HE20	MCS0	2	48	5240	Full	14.58	14.75	17.68	24.00		0.00			Pass
HE20	MCS0	2	48	5240	26/8	5.80	5.46	8.64	24.00		0.00			Pass
HE20	MCS0	2	48	5240	52/40	8.33	8.12	11.24	24.00		0.00			Pass
HE20	MCS0	2	48	5240	106/54	11.66	11.32	14.50	24.00		0.00			Pass
HE40	MCS0	2	38	5190	Full	14.64	14.22	17.45	24.00		0.00			Pass
HE40	MCS0	2	38	5190	242/61	12.32	12.15	15.25	24.00		0.00			Pass
HE40	MCS0	2	46	5230	Full	14.51	14.35	17.44	24.00		0.00			Pass
HE40	MCS0	2	46	5230	242/62	11.80	11.38	14.61	24.00		0.00			Pass
HE80	MCS0	2	42	5210	Full	13.12	13.11	16.13	24.00		0.00			Pass
HE80	MCS0	2	42	5210	484/65	10.52	10.10	13.33	24.00		0.00			Pass

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TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180			5.82	11.00		2.57			Pass
11a	6Mbps	2	44	5220			5.96	11.00		2.57			Pass
11a	6Mbps	2	48	5240			5.98	11.00		2.57			Pass
HT20	MCS0	2	36	5180			6.13	11.00		2.57			Pass
HT20	MCS0	2	44	5220			6.11	11.00		2.57			Pass
HT20	MCS0	2	48	5240			6.27	11.00		2.57			Pass
HT40	MCS0	2	38	5190			2.91	11.00		2.57			Pass
HT40	MCS0	2	46	5230			3.03	11.00		2.57			Pass
VHT80	MCS0	2	42	5210			-1.24	11.00		2.57			Pass

FCC Band I MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full			6.08	11.00		2.57			Pass
HE20	MCS0	2	36	5180	26/0			5.53	11.00		2.57			Pass
HE20	MCS0	2	36	5180	52/37			5.69	11.00		2.57			Pass
HE20	MCS0	2	36	5180	106/53			5.84	11.00		2.57			Pass
HE20	MCS0	2	44	5220	Full			6.07	11.00		2.57			Pass
HE20	MCS0	2	44	5220	26/4			5.87	11.00		2.57			Pass
HE20	MCS0	2	44	5220	52/39			5.86	11.00		2.57			Pass
HE20	MCS0	2	44	5220	106/53			5.56	11.00		2.57			Pass
HE20	MCS0	2	48	5240	Full			6.26	11.00		2.57			Pass
HE20	MCS0	2	48	5240	26/8			5.83	11.00		2.57			Pass
HE20	MCS0	2	48	5240	52/40			5.92	11.00		2.57			Pass
HE20	MCS0	2	48	5240	106/54			6.22	11.00		2.57			Pass
HE40	MCS0	2	38	5190	Full			3.49	11.00		2.57			Pass
HE40	MCS0	2	38	5190	242/61			3.30	11.00		2.57			Pass
HE40	MCS0	2	46	5230	Full			3.38	11.00		2.57			Pass
HE40	MCS0	2	46	5230	242/62			2.91	11.00		2.57			Pass
HE80	MCS0	2	42	5210	Full			-0.91	11.00		2.57			Pass
HE80	MCS0	2	42	5210	484/65			-1.40	11.00		2.57			Pass

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TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO																
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	16.83	16.93	20.23	20.03	23.26		29.26		23.98		
11a	6Mbps	2	60	5300	16.83	16.88	20.33	20.23	23.26		29.26		23.98		
11a	6Mbps	2	64	5320	16.88	16.93	20.38	20.03	23.27		29.27		23.98		
HT20	MCS0	2	52	5260	17.98	17.98	21.33	21.23	23.55		29.55		23.98		
HT20	MCS0	2	60	5300	17.93	17.98	21.53	21.23	23.54		29.54		23.98		
HT20	MCS0	2	64	5320	17.93	18.03	21.28	21.18	23.54		29.54		23.98		
HT40	MCS0	2	54	5270	36.16	36.16	40.28	40.10	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.06	36.06	40.28	40.01	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.28	75.40	81.20	81.68	23.98		30.00		23.98		

Band II MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	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	
HE20	MCS0	2	52	5260	Full	19.28	19.23	22.13	21.73	23.84		29.84		23.98		
HE20	MCS0	2	60	5300	Full	19.33	19.23	21.98	21.83	23.84		29.84		23.98		
HE20	MCS0	2	64	5320	Full	19.28	19.23	22.08	21.98	23.84		29.84		23.98		
HE40	MCS0	2	54	5270	Full	37.86	37.86	40.91	41.18	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.86	37.86	41.00	41.00	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	76.96	77.08	82.00	82.16	23.98		30.00		23.98		

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TEST RESULTS DATA
Average Power Table

FCC Band II MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power with duty factor (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	5260	0.05	0.03	17.67	17.75	20.72	23.98		-1.60		26.99	Pass
11a	6Mbps	2	60	5300	0.05	0.03	17.95	17.88	20.93	23.98		-1.60		26.99	Pass
11a	6Mbps	2	64	5320	0.05	0.03	18.10	17.85	20.99	23.98		-1.60		26.99	Pass
HT20	MCS0	2	52	5260	0.00	0.00	18.08	18.19	21.15	23.98		-1.60		26.99	Pass
HT20	MCS0	2	60	5300	0.00	0.00	18.33	18.37	21.36	23.98		-1.60		26.99	Pass
HT20	MCS0	2	64	5320	0.00	0.00	18.45	18.25	21.36	23.98		-1.60		26.99	Pass
HT40	MCS0	2	54	5270	0.00	0.00	14.24	14.05	17.16	23.98		-1.60		26.99	Pass
HT40	MCS0	2	62	5310	0.00	0.00	14.57	14.16	17.38	23.98		-1.60		26.99	Pass
VHT20	MCS0	2	52	5260	0.00	0.00	17.86	17.94	20.91	23.98		-1.60		26.99	Pass
VHT20	MCS0	2	60	5300	0.00	0.00	18.08	18.19	21.15	23.98		-1.60		26.99	Pass
VHT20	MCS0	2	64	5320	0.00	0.00	18.25	18.06	21.17	23.98		-1.60		26.99	Pass
VHT40	MCS0	2	54	5270	0.00	0.00	14.02	14.19	17.12	23.98		-1.60		26.99	Pass
VHT40	MCS0	2	62	5310	0.00	0.00	14.38	14.27	17.34	23.98		-1.60		26.99	Pass
VHT80	MCS0	2	58	5290	0.00	0.00	13.34	13.48	16.42	23.98		-1.60		26.99	Pass

FCC Band II MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	16.99	17.12	20.07	23.98		-1.60		26.99	Pass
HE20	MCS0	2	52	5260	26/0	8.44	8.15	11.31	23.98		-1.60		26.99	Pass
HE20	MCS0	2	52	5260	52/37	10.82	8.82	12.94	23.98		-1.60		26.99	Pass
HE20	MCS0	2	52	5260	106/53	13.82	13.35	16.60	23.98		-1.60		26.99	Pass
HE20	MCS0	2	60	5300	Full	17.21	17.35	20.29	23.98		-1.60		26.99	Pass
HE20	MCS0	2	60	5300	26/4	9.10	8.82	11.97	23.98		-1.60		26.99	Pass
HE20	MCS0	2	60	5300	52/39	11.10	10.58	13.86	23.98		-1.60		26.99	Pass
HE20	MCS0	2	60	5300	106/54	14.07	13.57	16.84	23.98		-1.60		26.99	Pass
HE20	MCS0	2	64	5320	Full	17.38	17.26	20.33	23.98		-1.60		26.99	Pass
HE20	MCS0	2	64	5320	26/8	8.85	8.22	11.56	23.98		-1.60		26.99	Pass
HE20	MCS0	2	64	5320	52/40	11.32	10.62	13.99	23.98		-1.60		26.99	Pass
HE20	MCS0	2	64	5320	106/54	14.27	13.60	16.96	23.98		-1.60		26.99	Pass
HE40	MCS0	2	54	5270	Full	14.56	14.54	17.56	23.98		-1.60		26.99	Pass
HE40	MCS0	2	54	5270	242/61	12.39	12.04	15.23	23.98		-1.60		26.99	Pass
HE40	MCS0	2	62	5310	Full	14.85	14.68	17.78	23.98		-1.60		26.99	Pass
HE40	MCS0	2	62	5310	242/62	12.32	11.52	14.95	23.98		-1.60		26.99	Pass
HE80	MCS0	2	58	5290	Full	13.42	13.53	16.49	23.98		-1.60		26.99	Pass
HE80	MCS0	2	58	5290	484/66	10.97	10.53	13.77	23.98		-1.60		26.99	Pass

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TEST RESULTS DATA
Power Spectral Density

Band II MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)				Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2			
11a	6Mbps	2	52	5260			9.49	11.00		1.36				Pass
11a	6Mbps	2	60	5300			9.96	11.00		1.36				Pass
11a	6Mbps	2	64	5320			9.89	11.00		1.36				Pass
HT20	MCS0	2	52	5260			9.83	11.00		1.36				Pass
HT20	MCS0	2	60	5300			9.81	11.00		1.36				Pass
HT20	MCS0	2	64	5320			9.92	11.00		1.36				Pass
HT40	MCS0	2	54	5270			2.87	11.00		1.36				Pass
HT40	MCS0	2	62	5310			3.08	11.00		1.36				Pass
VHT80	MCS0	2	58	5290			-0.76	11.00		1.36				Pass

Band II MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full			8.63	11.00		1.36			Pass
HE20	MCS0	2	52	5260	26/0			8.60	11.00		1.36			Pass
HE20	MCS0	2	52	5260	52/37			8.14	11.00		1.36			Pass
HE20	MCS0	2	52	5260	106/53			8.33	11.00		1.36			Pass
HE20	MCS0	2	60	5300	Full			8.83	11.00		1.36			Pass
HE20	MCS0	2	60	5300	26/4			8.36	11.00		1.36			Pass
HE20	MCS0	2	60	5300	52/39			8.48	11.00		1.36			Pass
HE20	MCS0	2	60	5300	106/54			8.46	11.00		1.36			Pass
HE20	MCS0	2	64	5320	Full			9.18	11.00		1.36			Pass
HE20	MCS0	2	64	5320	26/8			9.03	11.00		1.36			Pass
HE20	MCS0	2	64	5320	52/40			8.50	11.00		1.36			Pass
HE20	MCS0	2	64	5320	106/54			8.62	11.00		1.36			Pass
HE40	MCS0	2	54	5270	Full			3.51	11.00		1.36			Pass
HE40	MCS0	2	54	5270	242/61			3.44	11.00		1.36			Pass
HE40	MCS0	2	62	5310	Full			3.42	11.00		1.36			Pass
HE40	MCS0	2	62	5310	242/62			2.99	11.00		1.36			Pass
HE80	MCS0	2	58	5290	Full			-0.89	11.00		1.36			Pass
HE80	MCS0	2	58	5290	484/66			-1.05	11.00		1.36			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
					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	16.78	16.93	20.13	20.08	23.25		29.25		23.98	
11a	6Mbps	2	116	5580	16.78	16.98	20.43	20.08	23.25		29.25		23.98	
11a	6Mbps	2	140	5700	16.68	16.98	20.18	20.13	23.22		29.22		23.98	
HT20	MCS0	2	100	5500	18.03	18.03	21.23	21.23	23.56		29.56		23.98	
HT20	MCS0	2	116	5580	17.98	17.98	21.43	21.43	23.55		29.55		23.98	
HT20	MCS0	2	140	5700	17.98	17.98	21.28	21.23	23.55		29.55		23.98	
HT40	MCS0	2	102	5510	36.06	36.16	40.46	40.28	23.98		30.00		23.98	
HT40	MCS0	2	110	5550	36.06	36.06	40.55	40.28	23.98		30.00		23.98	
HT40	MCS0	2	134	5670	36.06	36.06	40.64	40.37	23.98		30.00		23.98	
VHT80	MCS0	2	106	5530	75.40	75.28	81.84	81.36	23.98		30.00		23.98	
VHT80	MCS0	2	122	5610	75.28	75.28	81.84	81.68	23.98		30.00		23.98	

Band III straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	144	5720	16.73	16.93	20.13	20.28	23.23		29.23		23.98	
HT20	MCS0	2	144	5720	17.93	17.98	21.13	21.23	23.54		29.54		23.98	
HT40	MCS0	2	142	5710	36.06	36.06	40.55	40.28	23.98		30.00		23.98	
VHT80	MCS0	2	138	5690	75.28	75.28	82.00	81.52	23.98		30.00		23.98	

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	100	5500	Full	19.33	19.33	22.08	22.08	23.86		29.86		23.98	
HE20	MCS0	2	116	5580	Full	19.33	19.33	22.18	22.13	23.86		29.86		23.98	
HE20	MCS0	2	140	5700	Full	19.33	19.28	22.13	21.93	23.85		29.85		23.98	
HE40	MCS0	2	102	5510	Full	37.96	37.86	41.09	41.18	23.98		30.00		23.98	
HE40	MCS0	2	110	5550	Full	37.76	37.86	41.18	41.27	23.98		30.00		23.98	
HE40	MCS0	2	134	5670	Full	37.86	37.76	41.00	41.18	23.98		30.00		23.98	
HE80	MCS0	2	106	5530	Full	77.08	77.08	81.52	82.32	23.98		30.00		23.98	
HE80	MCS0	2	122	5610	Full	77.08	77.20	81.84	82.16	23.98		30.00		23.98	

Band III straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	144	5720	Full	19.33	19.28	21.88	21.88	23.85		29.85		23.98	
HE40	MCS0	2	142	5710	Full	37.66	37.86	41.36	41.09	23.98		30.00		23.98	
HE80	MCS0	2	138	5690	Full	77.08	77.08	82.16	82.32	23.98		30.00		23.98	

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TEST RESULTS DATA
Average Power Table

FCC Band III MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power with duty factor (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	5500	0.05	0.03	18.13	17.65	20.91	23.98		-1.40		26.99	Pass
11a	6Mbps	2	116	5580	0.05	0.03	18.31	17.72	21.03	23.98		-1.40		26.99	Pass
11a	6Mbps	2	140	5700	0.05	0.03	17.22	16.62	19.94	23.98		-1.40		26.99	Pass
HT20	MCS0	2	100	5500	0.00	0.00	18.51	18.08	21.31	23.98		-1.40		26.99	Pass
HT20	MCS0	2	116	5580	0.00	0.00	18.68	18.11	21.41	23.98		-1.40		26.99	Pass
HT20	MCS0	2	140	5700	0.00	0.00	17.54	17.05	20.31	23.98		-1.40		26.99	Pass
HT40	MCS0	2	102	5510	0.00	0.00	14.82	13.95	17.42	23.98		-1.40		26.99	Pass
HT40	MCS0	2	110	5550	0.00	0.00	15.01	13.98	17.54	23.98		-1.40		26.99	Pass
HT40	MCS0	2	134	5670	0.00	0.00	13.95	13.42	16.70	23.98		-1.40		26.99	Pass
VHT20	MCS0	2	100	5500	0.00	0.00	18.27	17.82	21.06	23.98		-1.40		26.99	Pass
VHT20	MCS0	2	116	5580	0.00	0.00	18.48	17.88	21.20	23.98		-1.40		26.99	Pass
VHT20	MCS0	2	140	5700	0.00	0.00	17.34	16.84	20.11	23.98		-1.40		26.99	Pass
VHT40	MCS0	2	102	5510	0.00	0.00	14.58	14.05	17.33	23.98		-1.40		26.99	Pass
VHT40	MCS0	2	110	5550	0.00	0.00	14.79	14.08	17.46	23.98		-1.40		26.99	Pass
VHT40	MCS0	2	134	5670	0.00	0.00	13.72	13.45	16.60	23.98		-1.40		26.99	Pass
VHT80	MCS0	2	106	5530	0.00	0.00	13.88	13.04	16.49	23.98		-1.40		26.99	Pass
VHT80	MCS0	2	122	5610	0.00	0.00	13.76	13.37	16.58	23.98		-1.40		26.99	Pass

FCC Band III straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power with duty factor (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	144	5720	0.05	0.03	17.06	16.59	19.84	23.98		-1.40		26.99	Pass
HT20	MCS0	2	144	5720	0.00	0.00	17.45	17.02	20.25	23.98		-1.40		26.99	Pass
HT40	MCS0	2	142	5710	0.00	0.00	13.65	12.86	16.28	23.98		-1.40		26.99	Pass
VHT20	MCS0	2	144	5720	0.00	0.00	17.24	16.77	20.02	23.98		-1.40		26.99	Pass
VHT40	MCS0	2	142	5710	0.00	0.00	13.53	12.94	16.26	23.98		-1.40		26.99	Pass
VHT80	MCS0	2	138	5690	0.00	0.00	12.73	12.25	15.51	23.98		-1.40		26.99	Pass

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TEST RESULTS DATA
Average Power Table

FCC Band III MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	17.46	17.02	20.26	23.98		-1.40		26.99	Pass
HE20	MCS0	2	100	5500	26/0	8.62	7.93	11.30	23.98		-1.40		26.99	Pass
HE20	MCS0	2	100	5500	52/37	11.39	10.70	14.07	23.98		-1.40		26.99	Pass
HE20	MCS0	2	100	5500	106/53	14.32	13.65	17.01	23.98		-1.40		26.99	Pass
HE20	MCS0	2	116	5580	Full	17.65	17.14	20.41	23.98		-1.40		26.99	Pass
HE20	MCS0	2	116	5580	26/4	10.04	9.26	12.68	23.98		-1.40		26.99	Pass
HE20	MCS0	2	116	5580	52/38	11.84	10.87	14.39	23.98		-1.40		26.99	Pass
HE20	MCS0	2	116	5580	106/53	14.41	13.41	16.95	23.98		-1.40		26.99	Pass
HE20	MCS0	2	140	5700	Full	16.46	16.02	19.26	23.98		-1.40		26.99	Pass
HE20	MCS0	2	140	5700	26/8	7.63	6.88	10.28	23.98		-1.40		26.99	Pass
HE20	MCS0	2	140	5700	52/40	10.34	9.50	12.95	23.98		-1.40		26.99	Pass
HE20	MCS0	2	140	5700	106/54	12.70	12.08	15.41	23.98		-1.40		26.99	Pass
HE40	MCS0	2	102	5510	Full	15.12	14.45	17.81	23.98		-1.40		26.99	Pass
HE40	MCS0	2	102	5510	242/61	12.86	11.85	15.39	23.98		-1.40		26.99	Pass
HE40	MCS0	2	110	5550	Full	15.26	14.53	17.92	23.98		-1.40		26.99	Pass
HE40	MCS0	2	110	5550	242/61	12.46	11.55	15.04	23.98		-1.40		26.99	Pass
HE40	MCS0	2	134	5670	Full	14.27	13.92	17.11	23.98		-1.40		26.99	Pass
HE40	MCS0	2	134	5670	242/62	11.62	10.98	14.32	23.98		-1.40		26.99	Pass
HE80	MCS0	2	106	5530	Full	13.87	13.11	16.52	23.98		-1.40		26.99	Pass
HE80	MCS0	2	106	5530	484/65	11.31	10.39	13.88	23.98		-1.40		26.99	Pass
HE80	MCS0	2	122	5610	Full	13.74	13.40	16.58	23.98		-1.40		26.99	Pass
HE80	MCS0	2	122	5610	484/66	10.54	10.03	13.30	23.98		-1.40		26.99	Pass

FCC Band III straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	16.42	15.95	19.20	23.98		-1.40		26.99	Pass
HE20	MCS0	2	144	5720	26/8	7.51	6.79	10.18	23.98		-1.40		26.99	Pass
HE20	MCS0	2	144	5720	52/40	10.10	9.42	12.78	23.98		-1.40		26.99	Pass
HE20	MCS0	2	144	5720	106/54	12.62	11.96	15.31	23.98		-1.40		26.99	Pass
HE40	MCS0	2	142	5710	Full	13.95	13.34	16.67	23.98		-1.40		26.99	Pass
HE40	MCS0	2	142	5710	242/62	10.95	10.32	13.66	23.98		-1.40		26.99	Pass
HE80	MCS0	2	138	5690	Full	12.72	12.26	15.51	23.98		-1.40		26.99	Pass
HE80	MCS0	2	138	5690	484/66	9.63	8.77	12.23	23.98		-1.40		26.99	Pass

Report Number : FR111401D

TEST RESULTS DATA
Power Spectral Density

Band III MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)				Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2			
11a	6Mbps	2	100	5500			9.50	11.00		1.41				Pass
11a	6Mbps	2	116	5580			9.67	11.00		1.41				Pass
11a	6Mbps	2	140	5700			8.44	11.00		1.41				Pass
HT20	MCS0	2	100	5500			9.75	11.00		1.41				Pass
HT20	MCS0	2	116	5580			9.86	11.00		1.41				Pass
HT20	MCS0	2	140	5700			8.53	11.00		1.41				Pass
HT40	MCS0	2	102	5510			3.00	11.00		1.41				Pass
HT40	MCS0	2	110	5550			3.25	11.00		1.41				Pass
HT40	MCS0	2	134	5670			2.38	11.00		1.41				Pass
VHT80	MCS0	2	106	5530			-0.81	11.00		1.41				Pass
VHT80	MCS0	2	122	5610			-0.98	11.00		1.41				Pass

Band III straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)				Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2			
11a	6Mbps	2	144	5720			8.47	11.00		1.41				Pass
HT20	MCS0	2	144	5720			8.59	11.00		1.41				Pass
HT40	MCS0	2	142	5710			1.94	11.00		1.41				Pass
VHT80	MCS0	2	138	5690			-2.22	11.00		1.41				Pass

Report Number : FR111401D

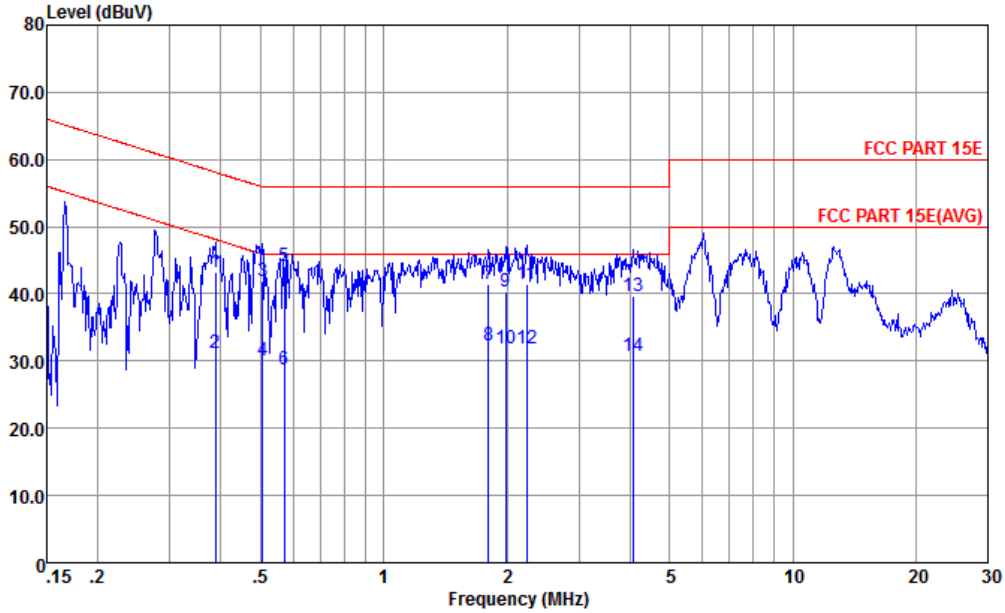
TEST RESULTS DATA
Power Spectral Density

Band III MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full			8.97	11.00		1.41			Pass
HE20	MCS0	2	100	5500	26/0			8.57	11.00		1.41			Pass
HE20	MCS0	2	100	5500	52/37			8.92	11.00		1.41			Pass
HE20	MCS0	2	100	5500	106/53			8.83	11.00		1.41			Pass
HE20	MCS0	2	116	5580	Full			9.26	11.00		1.41			Pass
HE20	MCS0	2	116	5580	26/4			8.94	11.00		1.41			Pass
HE20	MCS0	2	116	5580	52/38			8.89	11.00		1.41			Pass
HE20	MCS0	2	116	5580	106/53			8.67	11.00		1.41			Pass
HE20	MCS0	2	140	5700	Full			7.66	11.00		1.41			Pass
HE20	MCS0	2	140	5700	26/8			7.65	11.00		1.41			Pass
HE20	MCS0	2	140	5700	52/40			7.63	11.00		1.41			Pass
HE20	MCS0	2	140	5700	106/54			7.15	11.00		1.41			Pass
HE40	MCS0	2	102	5510	Full			3.72	11.00		1.41			Pass
HE40	MCS0	2	102	5510	242/61			3.60	11.00		1.41			Pass
HE40	MCS0	2	110	5550	Full			3.60	11.00		1.41			Pass
HE40	MCS0	2	110	5550	242/61			3.24	11.00		1.41			Pass
HE40	MCS0	2	134	5670	Full			2.75	11.00		1.41			Pass
HE40	MCS0	2	134	5670	242/62			2.68	11.00		1.41			Pass
HE80	MCS0	2	106	5530	Full			-0.49	11.00		1.41			Pass
HE80	MCS0	2	106	5530	484/65			-0.71	11.00		1.41			Pass
HE80	MCS0	2	122	5610	Full			-0.82	11.00		1.41			Pass
HE80	MCS0	2	122	5610	484/66			-1.38	11.00		1.41			Pass

Band III straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full			7.77	11.00		1.41			Pass
HE20	MCS0	2	144	5720	26/8			7.51	11.00		1.41			Pass
HE20	MCS0	2	144	5720	52/40			7.50	11.00		1.41			Pass
HE20	MCS0	2	144	5720	106/54			7.11	11.00		1.41			Pass
HE40	MCS0	2	142	5710	Full			2.38	11.00		1.41			Pass
HE40	MCS0	2	142	5710	242/62			1.91	11.00		1.41			Pass
HE80	MCS0	2	138	5690	Full			-2.05	11.00		1.41			Pass
HE80	MCS0	2	138	5690	484/66			-2.40	11.00		1.41			Pass

Appendix B. AC Conducted Emission Test Results

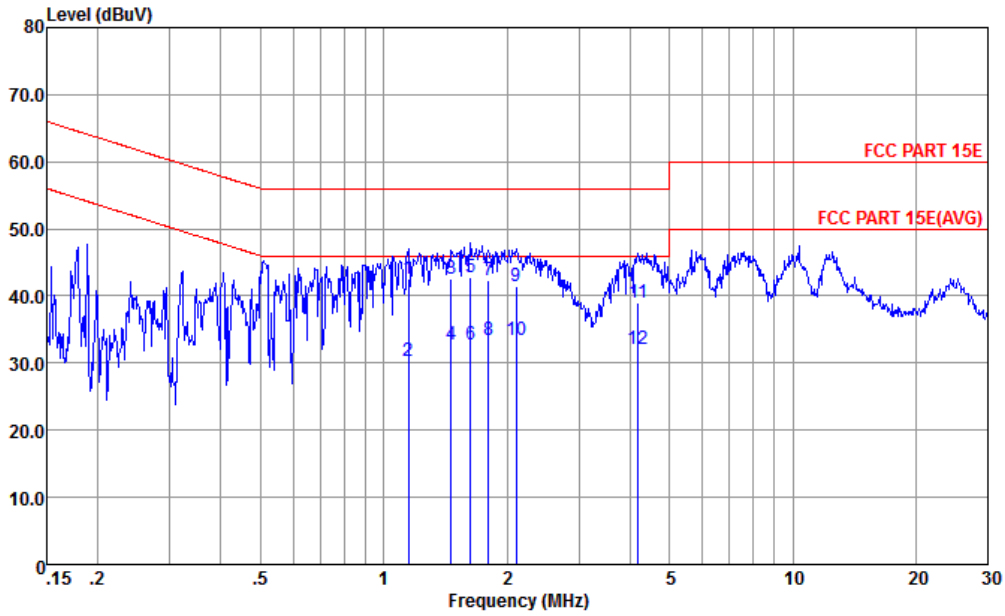
Test Engineer :	Amos Zhang	**Temperature :**	24.2~25.6℃
		Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : FCC PART 15E TWO-LISN-CN02-L LINE

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.387	43.22	-14.90	58.12	23.30	9.65	10.27	QP
2		0.387	31.22	-16.90	48.12	11.30	9.65	10.27	Average
3		0.505	41.79	-14.21	56.00	21.90	9.65	10.24	QP
4		0.505	30.09	-15.91	46.00	10.20	9.65	10.24	Average
5	*	0.570	44.09	-11.91	56.00	24.20	9.65	10.24	QP
6		0.570	28.79	-17.21	46.00	8.90	9.65	10.24	Average
7		1.800	41.43	-14.57	56.00	21.30	9.90	10.23	QP
8		1.800	32.33	-13.67	46.00	12.20	9.90	10.23	Average
9		1.991	40.36	-15.64	56.00	20.19	9.94	10.23	QP
10		1.991	31.76	-14.24	46.00	11.59	9.94	10.23	Average
11		2.237	41.50	-14.50	56.00	21.30	9.97	10.23	QP
12		2.237	31.80	-14.20	46.00	11.60	9.97	10.23	Average
13		4.070	39.62	-16.38	56.00	19.20	10.17	10.25	QP
14		4.070	30.72	-15.28	46.00	10.30	10.17	10.25	Average

Test Engineer :	Amos Zhang	**Temperature :**	24.2~25.6℃
		Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : FCC PART 15E TWO-LISN-CN02-N NEUTRAL

	Freq MHz	Level dBuV	Over Limit dB	Limit Line dBuV	Read Level dBuV	LISN Factor dB	Cable Loss dB	Remark
1	1.147	42.59	-13.41	56.00	22.61	9.75	10.23	QP
2	1.147	30.29	-15.71	46.00	10.31	9.75	10.23	Average
3	1.464	42.66	-13.34	56.00	22.60	9.83	10.23	QP
4	1.464	32.66	-13.34	46.00	12.60	9.83	10.23	Average
5	1.628	42.69	-13.31	56.00	22.60	9.86	10.23	QP
6	1.628	32.69	-13.31	46.00	12.60	9.86	10.23	Average
7	1.800	42.42	-13.58	56.00	22.30	9.89	10.23	QP
8	1.800	33.42	-12.58	46.00	13.30	9.89	10.23	Average
9	2.110	41.38	-14.62	56.00	21.20	9.95	10.23	QP
10 *	2.110	33.48	-12.52	46.00	13.30	9.95	10.23	Average
11	4.180	39.04	-16.96	56.00	18.59	10.19	10.26	QP
12	4.180	32.04	-13.96	46.00	11.59	10.19	10.26	Average

Note:

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

Appendix C. Radiated Spurious Emission

Test Engineer :	Yoke Si	Temperature :	27~30°C
		Relative Humidity :	41~45%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.98	59.18	-14.82	74	43.97	34.62	11.2	30.61	101	112	P	H
		5148.32	48.56	-5.44	54	33.35	34.62	11.2	30.61	101	112	A	H
	*	5182	114.93	-	-	99.64	34.67	11.24	30.62	101	112	P	H
		5182	107.65	-	-	92.36	34.67	11.24	30.62	101	112	A	H
		5148.16	57.94	-16.06	74	42.73	34.62	11.2	30.61	283	77	P	V
		5148.32	47.36	-6.64	54	32.15	34.62	11.2	30.61	283	77	A	V
	*	5182	110.54	-	-	95.25	34.67	11.24	30.62	283	77	P	V
		5182	103.82	-	-	88.53	34.67	11.24	30.62	283	77	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	42.62	-25.68	68.3	49.46	37.59	16.25	60.68	300	0	P	H
		10360	43.05	-25.25	68.3	49.89	37.59	16.25	60.68	300	0	P	V
802.11a CH 44 5220MHz		10440	43.2	-25.1	68.3	49.91	37.65	16.3	60.66	100	360	P	H
		10440	43.13	-25.17	68.3	49.84	37.65	16.3	60.66	100	360	P	V
802.11a CH 48 5240MHz		10480	43.21	-25.09	68.3	49.83	37.69	16.34	60.65	100	360	P	H
		10480	42.57	-25.73	68.3	49.19	37.69	16.34	60.65	100	360	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		5149.6	60.52	-13.48	74	45.31	34.62	11.2	30.61	100	111	P	H
		5149.98	49.72	-4.28	54	34.51	34.62	11.2	30.61	100	111	A	H
	*	5182	115.68	-	-	100.39	34.67	11.24	30.62	100	111	P	H
		5182	107.97	-	-	92.68	34.67	11.24	30.62	100	111	A	H
		5145.76	59.07	-14.93	74	43.86	34.62	11.2	30.61	295	74	P	V
		5147.52	47.94	-6.06	54	32.73	34.62	11.2	30.61	295	74	A	V
	*	5182	111.26	-	-	95.97	34.67	11.24	30.62	295	74	P	V
		5182	104.07	-	-	88.78	34.67	11.24	30.62	295	74	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	41.97	-26.33	68.3	48.81	37.59	16.25	60.68	100	360	P	H
		10360	42.94	-25.36	68.3	49.78	37.59	16.25	60.68	100	360	P	V
802.11n HT20 CH 44 5220MHz		10440	42.45	-25.85	68.3	49.16	37.65	16.3	60.66	100	360	P	H
		10440	43.13	-25.17	68.3	49.84	37.65	16.3	60.66	100	360	P	V
802.11n HT20 CH 48 5240MHz		10480	42.37	-25.93	68.3	48.99	37.69	16.34	60.65	100	360	P	H
		10480	42.93	-25.37	68.3	49.55	37.69	16.34	60.65	100	360	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		5148.96	61.97	-12.03	74	46.76	34.62	11.2	30.61	100	112	P	H
		5147.68	50.18	-3.82	54	34.97	34.62	11.2	30.61	100	112	A	H
	*	5194	108.53	-	-	93.2	34.7	11.26	30.63	100	112	P	H
		5194	101	-	-	85.67	34.7	11.26	30.63	100	112	A	H
		5386.5	54.6	-19.4	74	39.12	34.7	11.47	30.69	100	112	P	H
		5394.78	45.04	-8.96	54	29.54	34.7	11.49	30.69	100	112	A	H
		5144.48	56.79	-17.21	74	41.58	34.62	11.2	30.61	298	80	P	V
		5146.88	47.79	-6.21	54	32.58	34.62	11.2	30.61	298	80	A	V
	*	5194	104.12	-	-	88.79	34.7	11.26	30.63	298	80	P	V
		5194	96.69	-	-	81.36	34.7	11.26	30.63	298	80	A	V
		5380.02	54.84	-19.16	74	39.36	34.7	11.47	30.69	298	80	P	V
		5397.84	45.01	-8.99	54	29.51	34.7	11.49	30.69	298	80	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	43.04	-25.26	68.3	49.84	37.61	16.26	60.67	300	0	P	H
		10380	42.31	-25.99	68.3	49.11	37.61	16.26	60.67	300	0	P	V
802.11n HT40 CH 46 5230MHz		10460	43.39	-24.91	68.3	50.08	37.66	16.31	60.66	300	0	P	H
		10460	43.19	-25.11	68.3	49.88	37.66	16.31	60.66	300	0	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		5148.32	60.36	-13.64	74	45.15	34.62	11.2	30.61	100	109	P	H
		5149.98	50.22	-3.78	54	35.01	34.62	11.2	30.61	100	109	A	H
	*	5194	104.58	-	-	89.25	34.7	11.26	30.63	100	109	P	H
		5194	96.33	-	-	81	34.7	11.26	30.63	100	109	A	H
		5396.22	55.22	-18.78	74	39.72	34.7	11.49	30.69	100	109	P	H
		5398.38	45.07	-8.93	54	29.57	34.7	11.49	30.69	100	109	A	H
		5147.04	56.82	-17.18	74	41.61	34.62	11.2	30.61	262	76	P	V
		5149.76	47.72	-6.28	54	32.51	34.62	11.2	30.61	262	76	A	V
	*	5194	99.31	-	-	83.98	34.7	11.26	30.63	262	76	P	V
		5194	92.07	-	-	76.74	34.7	11.26	30.63	262	76	A	V
		5381.28	54.84	-19.16	74	39.36	34.7	11.47	30.69	262	76	P	V
		5399.82	45.03	-8.97	54	29.54	34.7	11.49	30.7	262	76	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	42.46	-25.84	68.3	49.21	37.63	16.29	60.67	100	360	P	H
		10420	42.81	-25.49	68.3	49.56	37.63	16.29	60.67	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 - 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		5149.12	62.96	-11.04	74	47.75	34.62	11.2	30.61	100	112	P	H
		5149.96	49.14	-4.86	54	33.93	34.62	11.2	30.61	100	112	A	H
	*	5176	116.05	-	-	100.76	34.67	11.24	30.62	100	112	P	H
		5176	108.35	-	-	93.06	34.67	11.24	30.62	100	112	A	H
		5145.28	60.46	-13.54	74	45.25	34.62	11.2	30.61	295	72	P	V
		5148.16	47.47	-6.53	54	32.26	34.62	11.2	30.61	295	72	A	V
	*	5176	111.42	-	-	96.13	34.67	11.24	30.62	295	72	P	V
		5176	104.32	-	-	89.03	34.67	11.24	30.62	295	72	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		10360	42.59	-25.71	68.3	49.43	37.59	16.25	60.68	300	0	P	H
		10360	42.81	-25.49	68.3	49.65	37.59	16.25	60.68	300	0	P	V
802.11ax HE20 Full CH 44 5220MHz		10440	43.1	-25.2	68.3	49.81	37.65	16.3	60.66	300	0	P	H
		10440	42.48	-25.82	68.3	49.19	37.65	16.3	60.66	300	0	P	V
802.11ax HE20 Full CH 48 5240MHz		10480	42.45	-25.85	68.3	49.07	37.69	16.34	60.65	300	0	P	H
		10480	42.56	-25.74	68.3	49.18	37.69	16.34	60.65	300	0	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 26 (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 26/0 CH 36 5180MHz		5130.4	57.79	-16.21	74	42.61	34.6	11.18	30.6	100	258	P	H
		5123.2	46.68	-7.32	54	31.5	34.6	11.18	30.6	100	258	A	H
		5170	111.15	-	-	95.9	34.65	11.22	30.62	100	258	P	H
		5170	103.2	-	-	87.95	34.65	11.22	30.62	100	258	A	H
		5147.36	57.16	-16.84	74	41.95	34.62	11.2	30.61	231	283	P	V
		5100.48	46.63	-7.37	54	31.54	34.55	11.14	30.6	231	283	A	V
		5170	105.33	-	-	90.08	34.65	11.22	30.62	231	283	P	V
		5170	98.61	-	-	83.36	34.65	11.22	30.62	231	283	A	V
802.11ax HE20 Partial 26/8 CH 48 5240MHz		5131.68	57.73	-16.27	74	42.55	34.6	11.18	30.6	101	258	P	H
		5104.32	46.76	-7.24	54	31.67	34.55	11.14	30.6	101	258	A	H
		5248	111.18	-	-	95.81	34.7	11.32	30.65	101	258	P	H
		5248	103.82	-	-	88.45	34.7	11.32	30.65	101	258	A	H
		5395.68	56.41	-17.59	74	40.91	34.7	11.49	30.69	101	258	P	H
		5391.72	45.36	-8.64	54	29.88	34.7	11.47	30.69	101	258	A	H
		5117.28	56.94	-17.06	74	41.8	34.58	11.16	30.6	240	276	P	V
		5105.44	46.66	-7.34	54	31.57	34.55	11.14	30.6	240	276	A	V
		5248	107.72	-	-	92.35	34.7	11.32	30.65	240	276	P	V
		5248	99.85	-	-	84.48	34.7	11.32	30.65	240	276	A	V
		5359.32	55	-19	74	39.55	34.7	11.43	30.68	240	276	P	V
		5396.58	45.23	-8.77	54	29.73	34.7	11.49	30.69	240	276	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Partial 52 (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 52/37 CH 36 5180MHz		5131.52	57.19	-16.81	74	42.01	34.6	11.18	30.6	100	258	P	H
		5123.52	46.69	-7.31	54	31.51	34.6	11.18	30.6	100	258	A	H
		5170	110.48	-	-	95.23	34.65	11.22	30.62	100	258	P	H
		5170	103.05	-	-	87.8	34.65	11.22	30.62	100	258	A	H
		5144.8	56.53	-17.47	74	41.32	34.62	11.2	30.61	281	279	P	V
		5109.28	46.59	-7.41	54	31.45	34.58	11.16	30.6	281	279	A	V
		5176	106.2	-	-	90.91	34.67	11.24	30.62	281	279	P	V
		5176	98.98	-	-	83.69	34.67	11.24	30.62	281	279	A	V
802.11ax HE20 Partial 52/40 CH 48 5240MHz		5366.88	55.05	-18.95	74	39.59	34.7	11.45	30.69	111	259	P	H
		5392.44	45.2	-8.8	54	29.72	34.7	11.47	30.69	111	259	A	H
		5248	111.98	-	-	96.61	34.7	11.32	30.65	111	259	P	H
		5248	104.63	-	-	89.26	34.7	11.32	30.65	111	259	A	H
		5377.5	55.26	-18.74	74	39.78	34.7	11.47	30.69	269	270	P	V
		5393.52	45.16	-8.84	54	29.68	34.7	11.47	30.69	269	270	A	V
		5248	106.95	-	-	91.58	34.7	11.32	30.65	269	270	P	V
		5248	99.72	-	-	84.35	34.7	11.32	30.65	269	270	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 36 5180MHz		5120.8	58.69	-15.31	74	43.55	34.58	11.16	30.6	100	259	P	H
		5123.2	46.69	-7.31	54	31.51	34.6	11.18	30.6	100	259	A	H
		5176	110.85	-	-	95.56	34.67	11.24	30.62	100	259	P	H
		5176	103.61	-	-	88.32	34.67	11.24	30.62	100	259	A	H
		5146.88	56.72	-17.28	74	41.51	34.62	11.2	30.61	296	282	P	V
		5101.44	46.58	-7.42	54	31.49	34.55	11.14	30.6	296	282	A	V
		5176	106.41	-	-	91.12	34.67	11.24	30.62	296	282	P	V
		5176	98.8	-	-	83.51	34.67	11.24	30.62	296	282	A	V
802.11ax HE20 Partial 106/54 CH 48 5240MHz		5145.12	57.24	-16.76	74	42.03	34.62	11.2	30.61	100	256	P	H
		5147.52	47.16	-6.84	54	31.95	34.62	11.2	30.61	100	256	A	H
		5242	111.4	-	-	96.02	34.7	11.32	30.64	100	256	P	H
		5242	103.44	-	-	88.06	34.7	11.32	30.64	100	256	A	H
		5379.12	54.9	-19.1	74	39.42	34.7	11.47	30.69	100	256	P	H
		5391.18	45.39	-8.61	54	29.91	34.7	11.47	30.69	100	256	A	H
		5108.64	56.77	-17.23	74	41.63	34.58	11.16	30.6	271	268	P	V
		5148	46.75	-7.25	54	31.54	34.62	11.2	30.61	271	268	A	V
		5248	107.26	-	-	91.89	34.7	11.32	30.65	271	268	P	V
		5248	99.69	-	-	84.32	34.7	11.32	30.65	271	268	A	V
		5380.92	55.77	-18.23	74	40.29	34.7	11.47	30.69	271	268	P	V
		5398.92	45.25	-8.75	54	29.76	34.7	11.49	30.7	271	268	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 (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		5143.68	58.71	-15.29	74	43.5	34.62	11.2	30.61	100	113	P	H
		5148.32	49.44	-4.56	54	34.23	34.62	11.2	30.61	100	113	A	H
	*	5176	109.79	-	-	94.5	34.67	11.24	30.62	100	113	P	H
		5176	101.5	-	-	86.21	34.67	11.24	30.62	100	113	A	H
		5377.32	55.11	-18.89	74	39.65	34.7	11.45	30.69	100	113	P	H
		5397.12	45.26	-8.74	54	29.76	34.7	11.49	30.69	100	113	A	H
		5109.76	56.8	-17.2	74	41.66	34.58	11.16	30.6	295	76	P	V
		5147.84	47.68	-6.32	54	32.47	34.62	11.2	30.61	295	76	A	V
	*	5188	105.55	-	-	90.26	34.67	11.24	30.62	295	76	P	V
		5188	97.26	-	-	81.97	34.67	11.24	30.62	295	76	A	V
		5360.04	55.55	-18.45	74	40.1	34.7	11.43	30.68	295	76	P	V
		5399.82	45.08	-8.92	54	29.59	34.7	11.49	30.7	295	76	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 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 HE40 Full CH 38 5190MHz		10380	42.14	-26.16	68.3	48.94	37.61	16.26	60.67	300	0	P	H
		10380	42.25	-26.05	68.3	49.05	37.61	16.26	60.67	300	0	P	V
802.11ax HE40 Full CH 46 5230MHz		10460	42.18	-26.12	68.3	48.87	37.66	16.31	60.66	300	0	P	H
		10460	42.56	-25.74	68.3	49.25	37.66	16.31	60.66	300	0	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		5114.56	57.3	-16.7	74	42.16	34.58	11.16	30.6	100	260	P	H
		5149.92	46.58	-7.42	54	31.37	34.62	11.2	30.61	100	260	A	H
		5176	109.22	-	-	93.93	34.67	11.24	30.62	100	260	P	H
		5176	101.88	-	-	86.59	34.67	11.24	30.62	100	260	A	H
		5366.88	55.88	-18.12	74	40.42	34.7	11.45	30.69	100	260	P	H
		5399.82	45.1	-8.9	54	29.61	34.7	11.49	30.7	100	260	A	H
		5127.68	57.03	-16.97	74	41.85	34.6	11.18	30.6	263	280	P	V
		5105.12	46.51	-7.49	54	31.42	34.55	11.14	30.6	263	280	A	V
		5188	106.45	-	-	91.16	34.67	11.24	30.62	263	280	P	V
		5188	99.32	-	-	84.03	34.67	11.24	30.62	263	280	A	V
		5389.56	54.99	-19.01	74	39.51	34.7	11.47	30.69	263	280	P	V
		5395.68	45.04	-8.96	54	29.54	34.7	11.49	30.69	263	280	A	V
802.11ax HE40 Partial 242/62 CH 46 5230MHz		5120.64	57.42	-16.58	74	42.28	34.58	11.16	30.6	100	250	P	H
		5139.36	46.67	-7.33	54	31.5	34.6	11.18	30.61	100	250	A	H
		5236	108.18	-	-	92.82	34.7	11.3	30.64	100	250	P	H
		5236	100.38	-	-	85.02	34.7	11.3	30.64	100	250	A	H
		5362.2	55.05	-18.95	74	39.59	34.7	11.45	30.69	100	250	P	H
		5395.32	45.11	-8.89	54	29.61	34.7	11.49	30.69	100	250	A	H
		5132.64	56.7	-17.3	74	41.53	34.6	11.18	30.61	262	277	P	V
		5111.84	46.56	-7.44	54	31.42	34.58	11.16	30.6	262	277	A	V
		5242	105.29	-	-	89.91	34.7	11.32	30.64	262	277	P	V
		5242	97.44	-	-	82.06	34.7	11.32	30.64	262	277	A	V
		5375.7	56.14	-17.86	74	40.68	34.7	11.45	30.69	262	277	P	V
		5398.92	45.12	-8.88	54	29.63	34.7	11.49	30.7	262	277	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 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5148.8	58.14	-15.86	74	42.93	34.62	11.2	30.61	100	112	P	H
		5149.92	48.98	-5.02	54	33.77	34.62	11.2	30.61	100	112	A	H
	*	5194	104.09	-	-	88.76	34.7	11.26	30.63	100	112	P	H
		5194	95.84	-	-	80.51	34.7	11.26	30.63	100	112	A	H
		5352.66	54.51	-19.49	74	39.06	34.7	11.43	30.68	100	112	P	H
		5398.74	45.09	-8.91	54	29.6	34.7	11.49	30.7	100	112	A	H
		5132.16	57.42	-16.58	74	42.24	34.6	11.18	30.6	263	277	P	V
		5148.16	47.23	-6.77	54	32.02	34.62	11.2	30.61	263	277	A	V
	*	5230	100.46	-	-	85.1	34.7	11.3	30.64	263	277	P	V
		5230	90.79	-	-	75.43	34.7	11.3	30.64	263	277	A	V
		5384.88	55.14	-18.86	74	39.66	34.7	11.47	30.69	263	277	P	V
		5397.84	45.05	-8.95	54	29.55	34.7	11.49	30.69	263	277	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		10420	43.2	-25.1	68.3	49.95	37.63	16.29	60.67	300	0	P	H
		10420	43.07	-25.23	68.3	49.82	37.63	16.29	60.67	300	0	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		5119.04	58.01	-15.99	74	42.87	34.58	11.16	30.6	100	116	P	H
		5150	47.92	-6.08	54	32.71	34.62	11.2	30.61	100	116	A	H
		5194	106.53	-	-	91.2	34.7	11.26	30.63	100	116	P	H
		5194	97.36	-	-	82.03	34.7	11.26	30.63	100	116	A	H
		5350.32	54.8	-19.2	74	39.35	34.7	11.43	30.68	100	116	P	H
		5393.88	45.25	-8.75	54	29.77	34.7	11.47	30.69	100	116	A	H
		5145.92	56.76	-17.24	74	41.55	34.62	11.2	30.61	281	280	P	V
		5149.12	46.79	-7.21	54	31.58	34.62	11.2	30.61	281	280	A	V
		5194	101.95	-	-	86.62	34.7	11.26	30.63	281	280	P	V
		5194	92.94	-	-	77.61	34.7	11.26	30.63	281	280	A	V
		5387.94	54.87	-19.13	74	39.39	34.7	11.47	30.69	281	280	P	V
		5398.92	45.2	-8.8	54	29.71	34.7	11.49	30.7	281	280	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 (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 64 5320MHz		5350.1	62.86	-11.14	74	47.41	34.7	11.43	30.68	100	247	P	H
		5350	50.2	-3.8	54	34.75	34.7	11.43	30.68	100	247	A	H
	*	5314	114.27	-	-	98.85	34.7	11.39	30.67	100	247	P	H
		5314	106.49	-	-	91.07	34.7	11.39	30.67	100	247	A	H
		5350	55.97	-18.03	74	40.52	34.7	11.43	30.68	299	280	P	V
		5350	46.12	-7.88	54	30.67	34.7	11.43	30.68	299	280	A	V
	*	5314	109.6	-	-	94.18	34.7	11.39	30.67	299	280	P	V
		5314	102.44	-	-	87.02	34.7	11.39	30.67	299	280	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	41.92	-26.38	68.3	48.5	37.71	16.36	60.65	100	360	P	H
		10520	43.14	-25.16	68.3	49.72	37.71	16.36	60.65	100	360	P	V
802.11a CH 60 5300MHz		10600	43.48	-30.52	74	49.94	37.74	16.43	60.63	100	360	P	H
		10600	42.64	-31.36	74	49.1	37.74	16.43	60.63	100	360	P	V
802.11a CH 64 5320MHz		10640	42.19	-31.81	74	48.6	37.76	16.45	60.62	100	360	P	H
		10640	42.55	-31.45	74	48.96	37.76	16.45	60.62	100	360	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 64 5320MHz		5351.1	60.97	-13.03	74	45.52	34.7	11.43	30.68	100	261	P	H
		5350	49.77	-4.23	54	34.32	34.7	11.43	30.68	100	261	A	H
	*	5320	114	-	-	98.58	34.7	11.39	30.67	100	261	P	H
		5320	106.99	-	-	91.57	34.7	11.39	30.67	100	261	A	H
		5356	55.61	-18.39	74	40.16	34.7	11.43	30.68	298	282	P	V
		5350	46.62	-7.38	54	31.17	34.7	11.43	30.68	298	282	A	V
	*	5320	109.31	-	-	93.89	34.7	11.39	30.67	298	282	P	V
		5320	101.48	-	-	86.06	34.7	11.39	30.67	298	282	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 HT20 CH 52 5260MHz		10520	42.86	-25.44	68.3	49.44	37.71	16.36	60.65	100	360	P	H
		10520	42.35	-25.95	68.3	48.93	37.71	16.36	60.65	100	360	P	V
802.11n HT20 CH 60 5300MHz		10600	42.3	-31.7	74	48.76	37.74	16.43	60.63	100	360	P	H
		10600	43.53	-30.47	74	49.99	37.74	16.43	60.63	100	360	P	V
802.11n HT20 CH 64 5320MHz		10640	43.6	-30.4	74	50.01	37.76	16.45	60.62	100	360	P	H
		10640	42.37	-31.63	74	48.78	37.76	16.45	60.62	100	360	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 62 5310MHz		5129.76	56.32	-17.68	74	41.14	34.6	11.18	30.6	105	259	P	H
		5108.96	46.54	-7.46	54	31.4	34.58	11.16	30.6	105	259	A	H
	*	5302	107.74	-	-	92.32	34.7	11.38	30.66	105	259	P	H
		5302	100.78	-	-	85.36	34.7	11.38	30.66	105	259	A	H
		5350.8	57.53	-16.47	74	42.08	34.7	11.43	30.68	105	259	P	H
		5350	47.42	-6.58	54	31.97	34.7	11.43	30.68	105	259	A	H
		5121.92	58.67	-15.33	74	43.53	34.58	11.16	30.6	282	264	P	V
		5115.52	46.45	-7.55	54	31.31	34.58	11.16	30.6	282	264	A	V
	*	5302	102.53	-	-	87.11	34.7	11.38	30.66	282	264	P	V
		5302	95.89	-	-	80.47	34.7	11.38	30.66	282	264	A	V
		5397.8	55.81	-18.19	74	40.31	34.7	11.49	30.69	282	264	P	V
		5350.1	45.81	-8.19	54	30.36	34.7	11.43	30.68	282	264	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	42.93	-25.37	68.3	49.48	37.71	16.38	60.64	100	360	P	H
		10540	43.11	-25.19	68.3	49.66	37.71	16.38	60.64	100	360	P	V
802.11n HT40 CH 62 5310MHz		10620	43.25	-30.75	74	49.68	37.75	16.44	60.62	100	360	P	H
		10620	41.67	-32.33	74	48.1	37.75	16.44	60.62	100	360	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		5148.96	57.19	-16.81	74	41.98	34.62	11.2	30.61	100	249	P	H
		5112.64	46.54	-7.46	54	31.4	34.58	11.16	30.6	100	249	A	H
	*	5278	103.73	-	-	88.32	34.7	11.36	30.65	100	249	P	H
		5278	96.27	-	-	80.86	34.7	11.36	30.65	100	249	A	H
		5357.6	57.03	-16.97	74	41.58	34.7	11.43	30.68	100	249	P	H
		5352.1	46.98	-7.02	54	31.53	34.7	11.43	30.68	100	249	A	H
		5132.96	56.25	-17.75	74	41.08	34.6	11.18	30.61	268	274	P	V
		5110.08	46.46	-7.54	54	31.32	34.58	11.16	30.6	268	274	A	V
	*	5278	99.32	-	-	83.91	34.7	11.36	30.65	268	274	P	V
		5278	92.63	-	-	77.22	34.7	11.36	30.65	268	274	A	V
		5355.5	56.07	-17.93	74	40.62	34.7	11.43	30.68	268	274	P	V
		5350.4	45.44	-8.56	54	29.99	34.7	11.43	30.68	268	274	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 VHT80 CH 58 5290MHz		10580	42.3	-26	68.3	48.79	37.73	16.41	60.63	100	360	P	H
		10580	42.88	-25.42	68.3	49.37	37.73	16.41	60.63	100	360	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 64 5320MHz		5351.7	60.08	-13.92	74	44.63	34.7	11.43	30.68	100	260	P	H
		5350.2	47.84	-6.16	54	32.39	34.7	11.43	30.68	100	260	A	H
	*	5314	114.61	-	-	99.19	34.7	11.39	30.67	100	260	P	H
		5314	107.75	-	-	92.33	34.7	11.39	30.67	100	260	A	H
		5351.1	57.95	-16.05	74	42.5	34.7	11.43	30.68	284	282	P	V
		5350.2	46.38	-7.62	54	30.93	34.7	11.43	30.68	284	282	A	V
	*	5320	108.92	-	-	93.5	34.7	11.39	30.67	284	282	P	V
		5320	102.36	-	-	86.94	34.7	11.39	30.67	284	282	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)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 52 5260MHz		10520	42.9	-25.4	68.3	49.48	37.71	16.36	60.65	300	0	P	H
		10520	43.85	-24.45	68.3	50.43	37.71	16.36	60.65	300	0	P	V
802.11ax HE20 Full CH 60 5300MHz		10600	43.42	-30.58	74	49.88	37.74	16.43	60.63	300	0	P	H
		10600	42.26	-31.74	74	48.72	37.74	16.43	60.63	300	0	P	V
802.11ax HE20 Full CH 64 5320MHz		10640	43.12	-30.88	74	49.53	37.76	16.45	60.62	300	0	P	H
		10640	43.09	-30.91	74	49.5	37.76	16.45	60.62	300	0	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 26 (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 26/4 CH 52 5260MHz		5115.2	56.59	-17.41	74	41.45	34.58	11.16	30.6	100	259	P	H
		5107.52	46.73	-7.27	54	31.59	34.58	11.16	30.6	100	259	A	H
		5254	113.11	-	-	97.74	34.7	11.32	30.65	100	259	P	H
		5254	106.17	-	-	90.8	34.7	11.32	30.65	100	259	A	H
		5350.7	55.79	-18.21	74	40.34	34.7	11.43	30.68	100	259	P	H
		5395.8	45.34	-8.66	54	29.84	34.7	11.49	30.69	100	259	A	H
		5108	57.02	-16.98	74	41.88	34.58	11.16	30.6	253	279	P	V
		5107.68	46.63	-7.37	54	31.49	34.58	11.16	30.6	253	279	A	V
		5254	109.2	-	-	93.83	34.7	11.32	30.65	253	279	P	V
		5254	102.38	-	-	87.01	34.7	11.32	30.65	253	279	A	V
		5398.7	55.81	-18.19	74	40.32	34.7	11.49	30.7	253	279	P	V
		5395.7	45.22	-8.78	54	29.72	34.7	11.49	30.69	253	279	A	V
802.11ax HE20 Partial 26/8 CH 64 5320MHz		5376.2	55.32	-18.68	74	39.86	34.7	11.45	30.69	100	247	P	H
		5376.1	45.38	-8.62	54	29.92	34.7	11.45	30.69	100	247	A	H
		5326	111.84	-	-	96.42	34.7	11.39	30.67	100	247	P	H
		5326	105.69	-	-	90.27	34.7	11.39	30.67	100	247	A	H
		5384.5	55.54	-18.46	74	40.06	34.7	11.47	30.69	296	278	P	V
		5399.9	45.21	-8.79	54	29.72	34.7	11.49	30.7	296	278	A	V
		5326	108.96	-	-	93.54	34.7	11.39	30.67	296	278	P	V
		5326	101.99	-	-	86.57	34.7	11.39	30.67	296	278	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Partial 52 (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 52/37 CH52 5260MHz		5122.4	57.04	-16.96	74	41.9	34.58	11.16	30.6	100	258	P	H
		5109.6	46.74	-7.26	54	31.6	34.58	11.16	30.6	100	258	A	H
		5254	112.7	-	-	97.33	34.7	11.32	30.65	100	258	P	H
		5254	105.46	-	-	90.09	34.7	11.32	30.65	100	258	A	H
		5388.4	55.6	-18.4	74	40.12	34.7	11.47	30.69	100	258	P	H
		5350	45.81	-8.19	54	30.36	34.7	11.43	30.68	100	258	A	H
		5106.24	56.93	-17.07	74	41.79	34.58	11.16	30.6	241	276	P	V
		5108	46.65	-7.35	54	31.51	34.58	11.16	30.6	241	276	A	V
		5254	109.66	-	-	94.29	34.7	11.32	30.65	241	276	P	V
		5254	101.72	-	-	86.35	34.7	11.32	30.65	241	276	A	V
		5367.4	55.63	-18.37	74	40.17	34.7	11.45	30.69	241	276	P	V
		5397.2	45.2	-8.8	54	29.7	34.7	11.49	30.69	241	276	A	V
802.11ax HE20 Partial 52/40 CH 64 5320MHz		5379	55.7	-18.3	74	40.22	34.7	11.47	30.69	100	247	P	H
		5376.2	45.34	-8.66	54	29.88	34.7	11.45	30.69	100	247	A	H
		5326	112.52	-	-	97.1	34.7	11.39	30.67	100	247	P	H
		5326	105.44	-	-	90.02	34.7	11.39	30.67	100	247	A	H
		5394.8	56.42	-17.58	74	40.92	34.7	11.49	30.69	298	280	P	V
		5399.9	45.12	-8.88	54	29.63	34.7	11.49	30.7	298	280	A	V
		5326	109.95	-	-	94.53	34.7	11.39	30.67	298	280	P	V
		5326	102.45	-	-	87.03	34.7	11.39	30.67	298	280	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Partial 106 (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		5130.4	56.71	-17.29	74	41.53	34.6	11.18	30.6	100	259	P	H
		5110.72	46.86	-7.14	54	31.72	34.58	11.16	30.6	100	259	A	H
		5254	113.89	-	-	98.52	34.7	11.32	30.65	100	259	P	H
		5254	105.95	-	-	90.58	34.7	11.32	30.65	100	259	A	H
		5398.7	54.95	-19.05	74	39.46	34.7	11.49	30.7	100	259	P	H
		5350.3	46.03	-7.97	54	30.58	34.7	11.43	30.68	100	259	A	H
		5132	57.64	-16.36	74	42.46	34.6	11.18	30.6	253	276	P	V
		5113.76	46.68	-7.32	54	31.54	34.58	11.16	30.6	253	276	A	V
		5254	110.37	-	-	95	34.7	11.32	30.65	253	276	P	V
		5254	102.81	-	-	87.44	34.7	11.32	30.65	253	276	A	V
		5395.8	56.35	-17.65	74	40.85	34.7	11.49	30.69	253	276	P	V
		5352.2	45.36	-8.64	54	29.91	34.7	11.43	30.68	253	276	A	V
802.11ax HE20 Partial 106/54 CH 64 5320MHz		5351.3	57.74	-16.26	74	42.29	34.7	11.43	30.68	100	250	P	H
		5350	45.41	-8.59	54	29.96	34.7	11.43	30.68	100	250	A	H
		5326	115.22	-	-	99.8	34.7	11.39	30.67	100	250	P	H
		5326	106.56	-	-	91.14	34.7	11.39	30.67	100	250	A	H
		5376.3	55.17	-18.83	74	39.71	34.7	11.45	30.69	237	278	P	V
		5399.7	45.19	-8.81	54	29.7	34.7	11.49	30.7	237	278	A	V
		5326	109.86	-	-	94.44	34.7	11.39	30.67	237	278	P	V
		5326	102.1	-	-	86.68	34.7	11.39	30.67	237	278	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 (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 62 5310MHz		5139.04	56.46	-17.54	74	41.29	34.6	11.18	30.61	100	257	P	H
		5114.56	46.63	-7.37	54	31.49	34.58	11.16	30.6	100	257	A	H
	*	5320	108.7	-	-	93.28	34.7	11.39	30.67	100	257	P	H
		5320	100.13	-	-	84.71	34.7	11.39	30.67	100	257	A	H
		5350.3	57.64	-16.36	74	42.19	34.7	11.43	30.68	100	257	P	H
		5350	47.81	-6.19	54	32.36	34.7	11.43	30.68	100	257	A	H
		5135.36	56.01	-17.99	74	40.84	34.6	11.18	30.61	267	279	P	V
		5107.36	46.5	-7.5	54	31.36	34.58	11.16	30.6	267	279	A	V
	*	5302	103.68	-	-	88.26	34.7	11.38	30.66	267	279	P	V
		5302	96.21	-	-	80.79	34.7	11.38	30.66	267	279	A	V
		5381.2	55.39	-18.61	74	39.91	34.7	11.47	30.69	267	279	P	V
		5350.1	46	-8	54	30.55	34.7	11.43	30.68	267	279	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 HE40 Full CH 54 5270MHz		10540	42.72	-25.58	68.3	49.27	37.71	16.38	60.64	300	0	P	H
		10540	43.89	-24.41	68.3	50.44	37.71	16.38	60.64	300	0	P	V
802.11ax HE40 Full CH 62 5310MHz		10620	41.95	-32.05	74	48.38	37.75	16.44	60.62	300	0	P	H
		10620	43.07	-30.93	74	49.5	37.75	16.44	60.62	300	0	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		5115.36	56.7	-17.3	74	41.56	34.58	11.16	30.6	100	247	P	H
		5115.2	46.73	-7.27	54	31.59	34.58	11.16	30.6	100	247	A	H
		5260	111.32	-	-	95.93	34.7	11.34	30.65	100	247	P	H
		5260	101.09	-	-	85.7	34.7	11.34	30.65	100	247	A	H
		5365.2	55.58	-18.42	74	40.12	34.7	11.45	30.69	100	247	P	H
		5356.6	45.52	-8.48	54	30.07	34.7	11.43	30.68	100	247	A	H
		5144	56.56	-17.44	74	41.35	34.62	11.2	30.61	245	277	P	V
		5102.56	46.66	-7.34	54	31.57	34.55	11.14	30.6	245	277	A	V
		5266	106.64	-	-	91.25	34.7	11.34	30.65	245	277	P	V
		5266	97	-	-	81.61	34.7	11.34	30.65	245	277	A	V
		5388	55.67	-18.33	74	40.19	34.7	11.47	30.69	245	277	P	V
		5398.5	45.26	-8.74	54	29.77	34.7	11.49	30.7	245	277	A	V
802.11ax HE40 Partial 242/62 CH 62 5310MHz		5120.32	57.1	-16.9	74	41.96	34.58	11.16	30.6	100	246	P	H
		5119.84	46.68	-7.32	54	31.54	34.58	11.16	30.6	100	246	A	H
		5314	109.25	-	-	93.83	34.7	11.39	30.67	100	246	P	H
		5314	100.19	-	-	84.77	34.7	11.39	30.67	100	246	A	H
		5374.9	55.72	-18.28	74	40.26	34.7	11.45	30.69	100	246	P	H
		5351	45.33	-8.67	54	29.88	34.7	11.43	30.68	100	246	A	H
		5130.4	57.06	-16.94	74	41.88	34.6	11.18	30.6	253	280	P	V
		5108.64	46.58	-7.42	54	31.44	34.58	11.16	30.6	253	280	A	V
		5314	105.83	-	-	90.41	34.7	11.39	30.67	253	280	P	V
		5314	96.97	-	-	81.55	34.7	11.39	30.67	253	280	A	V
		5357.7	55.14	-18.86	74	39.69	34.7	11.43	30.68	253	280	P	V
		5399.6	45.24	-8.76	54	29.75	34.7	11.49	30.7	253	280	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 (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		5138.72	56.61	-17.39	74	41.44	34.6	11.18	30.61	100	259	P	H
		5101.92	46.65	-7.35	54	31.56	34.55	11.14	30.6	100	259	A	H
	*	5314	105.71	-	-	90.29	34.7	11.39	30.67	100	259	P	H
		5314	96.52	-	-	81.1	34.7	11.39	30.67	100	259	A	H
		5371	56.85	-17.15	74	41.39	34.7	11.45	30.69	100	259	P	H
		5350.1	47.17	-6.83	54	31.72	34.7	11.43	30.68	100	259	A	H
		5104.16	56.23	-17.77	74	41.14	34.55	11.14	30.6	266	279	P	V
		5117.76	46.49	-7.51	54	31.35	34.58	11.16	30.6	266	279	A	V
	*	5278	100.42	-	-	85.01	34.7	11.36	30.65	266	279	P	V
		5278	92.74	-	-	77.33	34.7	11.36	30.65	266	279	A	V
		5356.1	55.88	-18.12	74	40.43	34.7	11.43	30.68	266	279	P	V
		5350	45.74	-8.26	54	30.29	34.7	11.43	30.68	266	279	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 58 5290MHz		10580	42.7	-25.6	68.3	49.19	37.73	16.41	60.63	300	0	P	H
		10580	42.42	-25.88	68.3	48.91	37.73	16.41	60.63	300	0	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 484/66 CH 58 5290MHz		5109.28	57.02	-16.98	74	41.88	34.58	11.16	30.6	100	247	P	H
		5104.64	46.75	-7.25	54	31.66	34.55	11.14	30.6	100	247	A	H
		5302	106.12	-	-	90.7	34.7	11.38	30.66	100	247	P	H
		5302	96.87	-	-	81.45	34.7	11.38	30.66	100	247	A	H
		5354.7	60.67	-13.33	74	45.22	34.7	11.43	30.68	100	247	P	H
		5350.1	46.81	-7.19	54	31.36	34.7	11.43	30.68	100	247	A	H
		5113.44	56.69	-17.31	74	41.55	34.58	11.16	30.6	286	282	P	V
		5108.16	46.67	-7.33	54	31.53	34.58	11.16	30.6	286	282	A	V
		5320	101.67	-	-	86.25	34.7	11.39	30.67	286	282	P	V
		5320	93.31	-	-	77.89	34.7	11.39	30.67	286	282	A	V
		5350.7	59.14	-14.86	74	43.69	34.7	11.43	30.68	286	282	P	V
		5350.3	45.5	-8.5	54	30.05	34.7	11.43	30.68	286	282	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (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		5448.08	56.41	-17.59	74	40.89	34.7	11.53	30.71	100	261	P	H
		5469.68	58.1	-10.2	68.3	42.57	34.7	11.55	30.72	100	261	P	H
		5405.52	46.56	-7.44	54	31.07	34.7	11.49	30.7	100	261	A	H
	*	5494	113.2	-	-	97.67	34.7	11.56	30.73	100	261	P	H
		5494	106.18	-	-	90.65	34.7	11.56	30.73	100	261	A	H
		5401.04	56.2	-17.8	74	40.71	34.7	11.49	30.7	388	275	P	V
		5466.16	56.83	-11.47	68.3	41.3	34.7	11.55	30.72	388	275	P	V
		5405.04	45.64	-8.36	54	30.15	34.7	11.49	30.7	388	275	A	V
	*	5494	109.16	-	-	93.63	34.7	11.56	30.73	388	275	P	V
		5494	101.57	-	-	86.04	34.7	11.56	30.73	388	275	A	V
802.11a CH 140 5700MHz		5725.88	59.59	-8.71	68.3	43.49	35.08	11.84	30.82	100	104	P	H
	*	5698	113	-	-	97.04	34.97	11.79	30.8	100	104	P	H
		5698	105.97	-	-	90.01	34.97	11.79	30.8	100	104	A	H
		5726.12	57.66	-10.64	68.3	41.56	35.08	11.84	30.82	100	278	P	V
	*	5698	109.42	-	-	93.46	34.97	11.79	30.8	100	278	P	V
		5698	102.35	-	-	86.39	34.97	11.79	30.8	100	278	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (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	43.04	-30.96	74	48.97	37.9	16.71	60.54	100	360	P	H
		11000	42.72	-31.28	74	48.65	37.9	16.71	60.54	100	360	P	V
802.11a CH 116 5580MHz		11160	42.95	-31.05	74	48.62	38	16.83	60.5	100	360	P	H
		11160	42.6	-31.4	74	48.27	38	16.83	60.5	100	360	P	V
802.11a CH 140 5700MHz		11400	42.32	-31.68	74	47.62	38.14	17.01	60.45	100	360	P	H
		11400	43.26	-30.74	74	48.56	38.14	17.01	60.45	100	360	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		5402	56.49	-17.51	74	41	34.7	11.49	30.7	100	262	P	H
		5469.36	59.83	-8.47	68.3	44.3	34.7	11.55	30.72	100	262	P	H
		5406.64	46.68	-7.32	54	31.19	34.7	11.49	30.7	100	262	A	H
	*	5506	113.05	-	-	97.5	34.7	11.58	30.73	100	262	P	H
		5506	105.58	-	-	90.03	34.7	11.58	30.73	100	262	A	H
		5458.64	55.88	-18.12	74	40.37	34.7	11.53	30.72	100	275	P	V
		5461.68	55.7	-12.6	68.3	40.19	34.7	11.53	30.72	100	275	P	V
		5407.28	45.63	-8.37	54	30.14	34.7	11.49	30.7	100	275	A	V
	*	5506	109.11	-	-	93.56	34.7	11.58	30.73	100	275	P	V
		5506	101.87	-	-	86.32	34.7	11.58	30.73	100	275	A	V
802.11n HT20 CH 140 5700MHz		5727.72	57.72	-10.58	68.3	41.62	35.08	11.84	30.82	103	102	P	H
	*	5704	113.27	-	-	97.23	35.03	11.82	30.81	103	102	P	H
		5704	106.06	-	-	90.02	35.03	11.82	30.81	103	102	A	H
		5725	57.77	-10.53	68.3	41.67	35.08	11.84	30.82	100	78	P	V
	*	5704	110.25	-	-	94.21	35.03	11.82	30.81	100	78	P	V
		5704	103.06	-	-	87.02	35.03	11.82	30.81	100	78	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n 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	43.27	-30.73	74	49.2	37.9	16.71	60.54	100	360	P	H
		11000	42.88	-31.12	74	48.81	37.9	16.71	60.54	100	360	P	V
802.11n HT20 CH 116 5580MHz		11160	42.47	-31.53	74	48.14	38	16.83	60.5	300	0	P	H
		11160	42.93	-31.07	74	48.6	38	16.83	60.5	300	0	P	V
802.11n HT20 CH 140 5700MHz		11400	43.23	-30.77	74	48.53	38.14	17.01	60.45	300	0	P	H
		11400	43.31	-30.69	74	48.61	38.14	17.01	60.45	300	0	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		5367.28	55.59	-18.41	74	40.13	34.7	11.45	30.69	100	261	P	H
		5469.52	57.35	-10.95	68.3	41.82	34.7	11.55	30.72	100	261	P	H
		5459.92	45.96	-8.04	54	30.45	34.7	11.53	30.72	100	261	A	H
	*	5512	107.93	-	-	92.38	34.7	11.58	30.73	100	261	P	H
		5512	100.59	-	-	85.04	34.7	11.58	30.73	100	261	A	H
		5759.32	56.98	-11.32	68.3	40.73	35.19	11.89	30.83	100	261	P	H
		5446.48	55.37	-18.63	74	39.85	34.7	11.53	30.71	100	274	P	V
		5466.96	56.2	-12.1	68.3	40.67	34.7	11.55	30.72	100	274	P	V
		5459.98	45.54	-8.46	54	30.03	34.7	11.53	30.72	100	274	A	V
	*	5506	103.33	-	-	87.78	34.7	11.58	30.73	100	274	P	V
		5506	96.06	-	-	80.51	34.7	11.58	30.73	100	274	A	V
		5762.28	56.57	-11.73	68.3	40.33	35.19	11.89	30.84	100	274	P	V
802.11n HT40 CH 134 5670MHz		5381.2	55.36	-18.64	74	39.88	34.7	11.47	30.69	100	104	P	H
		5460.88	55.16	-13.14	68.3	39.65	34.7	11.53	30.72	100	104	P	H
		5457.52	45.37	-8.63	54	29.86	34.7	11.53	30.72	100	104	A	H
	*	5680	107.01	-	-	91.11	34.92	11.77	30.79	100	104	P	H
		5680	99.89	-	-	83.99	34.92	11.77	30.79	100	104	A	H
		5760.12	56.87	-11.43	68.3	40.63	35.19	11.89	30.84	100	104	P	H
		5456.56	55.58	-18.42	74	40.07	34.7	11.53	30.72	100	279	P	V
		5465.04	54.33	-13.97	68.3	38.8	34.7	11.55	30.72	100	279	P	V
		5458.16	45.37	-8.63	54	29.86	34.7	11.53	30.72	100	279	A	V
	*	5674	103.86	-	-	87.96	34.92	11.77	30.79	100	279	P	V
		5674	96.69	-	-	80.79	34.92	11.77	30.79	100	279	A	V
		5755.8	56.93	-11.37	68.3	40.68	35.19	11.89	30.83	100	279	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)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	42.65	-31.35	74	48.56	37.91	16.72	60.54	100	360	P	H
		11020	42.74	-31.26	74	48.65	37.91	16.72	60.54	100	360	P	V
802.11n HT40 CH 110 5550MHz		11100	42.81	-31.19	74	48.59	37.96	16.78	60.52	100	360	P	H
		11100	42.7	-31.3	74	48.48	37.96	16.78	60.52	100	360	P	V
802.11n HT40 CH 134 5670MHz		11340	44.62	-29.38	74	50.03	38.1	16.96	60.47	100	360	P	H
		11340	43.14	-30.86	74	48.55	38.1	16.96	60.47	100	360	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		5453.2	57.93	-16.07	74	42.41	34.7	11.53	30.71	100	266	P	H
		5468.56	58.4	-9.9	68.3	42.87	34.7	11.55	30.72	100	266	P	H
		5458.96	48.03	-5.97	54	32.52	34.7	11.53	30.72	100	266	A	H
	*	5536	103.89	-	-	88.32	34.7	11.61	30.74	100	266	P	H
		5536	96.5	-	-	80.93	34.7	11.61	30.74	100	266	A	H
		5751.48	56.66	-11.64	68.3	40.48	35.14	11.87	30.83	100	266	P	H
		5453.04	56.08	-17.92	74	40.56	34.7	11.53	30.71	323	360	P	V
		5469.52	56.65	-11.65	68.3	41.12	34.7	11.55	30.72	323	360	P	V
		5459.12	45.93	-8.07	54	30.42	34.7	11.53	30.72	323	360	A	V
	*	5536	100.43	-	-	84.86	34.7	11.61	30.74	323	360	P	V
		5536	92.78	-	-	77.21	34.7	11.61	30.74	323	360	A	V
		5748.36	56.51	-11.79	68.3	40.33	35.14	11.87	30.83	323	360	P	V
802.11ac VHT80 CH 122 5610MHz		5450.48	56.49	-17.51	74	40.97	34.7	11.53	30.71	100	267	P	H
		5468.56	55.45	-12.85	68.3	39.92	34.7	11.55	30.72	100	267	P	H
		5459.76	45.45	-8.55	54	29.94	34.7	11.53	30.72	100	267	A	H
	*	5596	103.14	-	-	87.55	34.7	11.65	30.76	100	267	P	H
		5596	95.83	-	-	80.24	34.7	11.65	30.76	100	267	A	H
		5735	57.07	-11.23	68.3	40.88	35.14	11.87	30.82	100	267	P	H
		5423.44	55.45	-18.55	74	39.94	34.7	11.51	30.7	100	277	P	V
		5469.52	55.37	-12.93	68.3	39.84	34.7	11.55	30.72	100	277	P	V
		5458.96	45.41	-8.59	54	29.9	34.7	11.53	30.72	100	277	A	V
	*	5614	99.86	-	-	84.26	34.7	11.67	30.77	100	277	P	V
		5614	92.32	-	-	76.72	34.7	11.67	30.77	100	277	A	V
		5739.16	57.02	-11.28	68.3	40.83	35.14	11.87	30.82	100	277	P	V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	43.99	-30.01	74	49.82	37.94	16.76	60.53	100	360	P	H
		11060	42.04	-31.96	74	47.87	37.94	16.76	60.53	100	360	P	V
802.11ac VHT80 CH 122 5610MHz		11220	43.4	-30.6	74	48.99	38.03	16.87	60.49	100	360	P	H
		11220	44.04	-29.96	74	49.63	38.03	16.87	60.49	100	360	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		5410.32	55.6	-18.4	74	40.11	34.7	11.49	30.7	100	265	P	H
		5470	59.37	-8.93	68.3	43.84	34.7	11.55	30.72	100	265	P	H
		5406.48	46.45	-7.55	54	30.96	34.7	11.49	30.7	100	265	A	H
	*	5494	114.27	-	-	98.74	34.7	11.56	30.73	100	265	P	H
		5494	106.76	-	-	91.23	34.7	11.56	30.73	100	265	A	H
		5379.12	55.55	-18.45	74	40.07	34.7	11.47	30.69	100	83	P	V
		5470	56.6	-11.7	68.3	41.07	34.7	11.55	30.72	100	83	P	V
		5410.16	45.53	-8.47	54	30.04	34.7	11.49	30.7	100	83	A	V
	*	5494	108.85	-	-	93.32	34.7	11.56	30.73	100	83	P	V
		5494	101.56	-	-	86.03	34.7	11.56	30.73	100	83	A	V
802.11ax HE20 Full CH 140 5700MHz		5725.32	57.76	-10.54	68.3	41.66	35.08	11.84	30.82	100	100	P	H
	*	5704	113.48	-	-	97.44	35.03	11.82	30.81	100	100	P	H
		5704	106.06	-	-	90.02	35.03	11.82	30.81	100	100	A	H
		5750.6	56.27	-12.03	68.3	40.09	35.14	11.87	30.83	100	82	P	V
	*	5704	109.69	-	-	93.65	35.03	11.82	30.81	100	82	P	V
		5704	102.39	-	-	86.35	35.03	11.82	30.81	100	82	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		11000	44.34	-29.66	74	50.27	37.9	16.71	60.54	300	0	P	H
		11000	43.01	-30.99	74	48.94	37.9	16.71	60.54	300	0	P	V
802.11ax HE20 Full CH 116 5580MHz		11160	42.58	-31.42	74	48.25	38	16.83	60.5	300	0	P	H
		11160	42.28	-31.72	74	47.95	38	16.83	60.5	300	0	P	V
802.11ax HE20 Full CH 140 5700MHz		11400	42.3	-31.7	74	47.6	38.14	17.01	60.45	300	0	P	H
		11400	43.27	-30.73	74	48.57	38.14	17.01	60.45	300	0	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 26 (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 26/0 CH 100 5260MHz		5394.96	57.49	-16.51	74	41.99	34.7	11.49	30.69	100	250	P	H
		5462.8	55.12	-13.18	68.3	39.59	34.7	11.55	30.72	100	250	P	H
		5395.76	46.35	-7.65	54	30.85	34.7	11.49	30.69	100	250	A	H
		5494	110.36	-	-	94.83	34.7	11.56	30.73	100	250	P	H
		5494	103.97	-	-	88.44	34.7	11.56	30.73	100	250	A	H
		5442.96	55.35	-18.65	74	39.84	34.7	11.52	30.71	396	281	P	V
		5462.8	56.62	-11.68	68.3	41.09	34.7	11.55	30.72	396	281	P	V
		5456.24	45.53	-8.47	54	30.02	34.7	11.53	30.72	396	281	A	V
		5494	108.99	-	-	93.46	34.7	11.56	30.73	396	281	P	V
		5494	100.03	-	-	84.5	34.7	11.56	30.73	396	281	A	V
802.11ax HE20 Partial 26/8 CH 140 5700MHz		5755.4	56.41	-11.89	68.3	40.16	35.19	11.89	30.83	100	103	P	H
		5710	111.83	-	-	95.79	35.03	11.82	30.81	100	103	P	H
		5710	105.38	-	-	89.34	35.03	11.82	30.81	100	103	A	H
		5740.84	56.67	-11.63	68.3	40.49	35.14	11.87	30.83	294	87	P	V
		5710	107.61	-	-	91.57	35.03	11.82	30.81	294	87	P	V
		5710	100.7	-	-	84.66	35.03	11.82	30.81	294	87	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 52 (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 52/37 CH 100 5500MHz		5434.96	55.53	-18.47	74	40.01	34.7	11.52	30.7	100	250	P	H
		5466.32	55.28	-13.02	68.3	39.75	34.7	11.55	30.72	100	250	P	H
		5396.72	46.48	-7.52	54	30.98	34.7	11.49	30.69	100	250	A	H
		5494	112.27	-	-	96.74	34.7	11.56	30.73	100	250	P	H
		5494	104.05	-	-	88.52	34.7	11.56	30.73	100	250	A	H
		5436.08	55.87	-18.13	74	40.35	34.7	11.52	30.7	314	285	P	V
		5460.24	55.51	-12.79	68.3	40	34.7	11.53	30.72	314	285	P	V
		5458.64	45.56	-8.44	54	30.05	34.7	11.53	30.72	314	285	A	V
		5494	107.65	-	-	92.12	34.7	11.56	30.73	314	285	P	V
		5494	100.03	-	-	84.5	34.7	11.56	30.73	314	285	A	V
802.11ax HE20 Partial 52/40 CH 140 5700MHz		5741	56.39	-11.91	68.3	40.21	35.14	11.87	30.83	100	100	P	H
		5710	113.09	-	-	97.05	35.03	11.82	30.81	100	100	P	H
		5710	105.42	-	-	89.38	35.03	11.82	30.81	100	100	A	H
		5756.92	57.35	-10.95	68.3	41.1	35.19	11.89	30.83	296	88	P	V
		5710	108.54	-	-	92.5	35.03	11.82	30.81	296	88	P	V
		5710	101.33	-	-	85.29	35.03	11.82	30.81	296	88	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax 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		5417.68	55.69	-18.31	74	40.18	34.7	11.51	30.7	100	249	P	H
		5465.2	54.96	-13.34	68.3	39.43	34.7	11.55	30.72	100	249	P	H
		5400.88	46.49	-7.51	54	31	34.7	11.49	30.7	100	249	A	H
		5494	112.77	-	-	97.24	34.7	11.56	30.73	100	249	P	H
		5494	103.97	-	-	88.44	34.7	11.56	30.73	100	249	A	H
		5387.76	56.51	-17.49	74	41.03	34.7	11.47	30.69	372	284	P	V
		5468.08	55.06	-13.24	68.3	39.53	34.7	11.55	30.72	372	284	P	V
		5458.48	45.55	-8.45	54	30.04	34.7	11.53	30.72	372	284	A	V
		5494	108.1	-	-	92.57	34.7	11.56	30.73	372	284	P	V
		5494	100.13	-	-	84.6	34.7	11.56	30.73	372	284	A	V
802.11ax HE20 Partial 106/54 CH 140 5700MHz		5727.08	57.39	-10.91	68.3	41.29	35.08	11.84	30.82	100	100	P	H
		5704	113.56	-	-	97.52	35.03	11.82	30.81	100	100	P	H
		5704	104.63	-	-	88.59	35.03	11.82	30.81	100	100	A	H
		5749.96	56.86	-11.44	68.3	40.68	35.14	11.87	30.83	100	81	P	V
		5704	108.38	-	-	92.34	35.03	11.82	30.81	100	81	P	V
		5704	100	-	-	83.96	35.03	11.82	30.81	100	81	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax 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		5396.24	56.58	-17.42	74	41.08	34.7	11.49	30.69	100	266	P	H
		5469.36	58.43	-9.87	68.3	42.9	34.7	11.55	30.72	100	266	P	H
		5459.98	45.94	-8.06	54	30.43	34.7	11.53	30.72	100	266	A	H
	*	5512	107.79	-	-	92.24	34.7	11.58	30.73	100	266	P	H
		5512	100.04	-	-	84.49	34.7	11.58	30.73	100	266	A	H
		5742.2	56.94	-11.36	68.3	40.76	35.14	11.87	30.83	100	266	P	H
		5437.84	55.55	-18.45	74	40.04	34.7	11.52	30.71	324	360	P	V
		5466.48	55.48	-12.82	68.3	39.95	34.7	11.55	30.72	324	360	P	V
		5454.8	45.44	-8.56	54	29.92	34.7	11.53	30.71	324	360	A	V
	*	5512	104.5	-	-	88.95	34.7	11.58	30.73	324	360	P	V
		5512	96.18	-	-	80.63	34.7	11.58	30.73	324	360	A	V
		5749.56	56.41	-11.89	68.3	40.23	35.14	11.87	30.83	324	360	P	V
802.11ax HE40 Full CH 134 5670MHz		5350.48	55.76	-18.24	74	40.31	34.7	11.43	30.68	100	106	P	H
		5468.88	55.33	-12.97	68.3	39.8	34.7	11.55	30.72	100	106	P	H
		5453.84	45.45	-8.55	54	29.93	34.7	11.53	30.71	100	106	A	H
	*	5662	108.25	-	-	92.43	34.86	11.74	30.78	100	106	P	H
		5662	100.37	-	-	84.55	34.86	11.74	30.78	100	106	A	H
		5762.2	56.92	-11.38	68.3	40.68	35.19	11.89	30.84	100	106	P	H
		5440.24	55.56	-18.44	74	40.05	34.7	11.52	30.71	100	278	P	V
		5462.32	54.97	-13.33	68.3	39.46	34.7	11.53	30.72	100	278	P	V
		5455.44	45.39	-8.61	54	29.87	34.7	11.53	30.71	100	278	A	V
	*	5674	104.53	-	-	88.63	34.92	11.77	30.79	100	278	P	V
		5674	96.57	-	-	80.67	34.92	11.77	30.79	100	278	A	V
		5737.56	56.74	-11.56	68.3	40.55	35.14	11.87	30.82	100	278	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 HE40 Full CH 102 5510MHz		11020	43.26	-30.74	74	49.17	37.91	16.72	60.54	300	0	P	H
		11020	42.82	-31.18	74	48.73	37.91	16.72	60.54	300	0	P	V
802.11ax HE40 Full CH 110 5550MHz		11100	43.79	-30.21	74	49.57	37.96	16.78	60.52	300	0	P	H
		11100	42.89	-31.11	74	48.67	37.96	16.78	60.52	300	0	P	V
802.11ax HE40 Full CH 134 5670MHz		11340	43.25	-30.75	74	48.66	38.1	16.96	60.47	300	0	P	H
		11340	42.72	-31.28	74	48.13	38.1	16.96	60.47	300	0	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		5364.4	56.87	-17.13	74	41.41	34.7	11.45	30.69	100	248	P	H
		5467.76	55.8	-12.5	68.3	40.27	34.7	11.55	30.72	100	248	P	H
		5411.12	45.84	-8.16	54	30.35	34.7	11.49	30.7	100	248	A	H
		5494	108.1	-	-	92.57	34.7	11.56	30.73	100	248	P	H
		5494	98.83	-	-	83.3	34.7	11.56	30.73	100	248	A	H
		5738.84	56.99	-11.31	68.3	40.8	35.14	11.87	30.82	100	248	P	H
		5458.64	54.93	-19.07	74	39.42	34.7	11.53	30.72	350	288	P	V
		5468.72	56.61	-11.69	68.3	41.08	34.7	11.55	30.72	350	288	P	V
		5459.6	45.62	-8.38	54	30.11	34.7	11.53	30.72	350	288	A	V
		5500	103.35	-	-	87.8	34.7	11.58	30.73	350	288	P	V
		5500	94.5	-	-	78.95	34.7	11.58	30.73	350	288	A	V
		5759.88	57.02	-11.28	68.3	40.78	35.19	11.89	30.84	350	288	P	V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		5406.16	55.08	-18.92	74	39.59	34.7	11.49	30.7	100	101	P	H
		5467.6	54.79	-13.51	68.3	39.26	34.7	11.55	30.72	100	101	P	H
		5458.8	45.59	-8.41	54	30.08	34.7	11.53	30.72	100	101	A	H
		5680	106.77	38.47	68.3	90.87	34.92	11.77	30.79	100	101	P	H
		5680	98.75	-	-	82.85	34.92	11.77	30.79	100	101	A	H
		5734.68	56.95	-11.35	68.3	40.76	35.14	11.87	30.82	100	101	P	H
		5388.56	55.5	-18.5	74	40.02	34.7	11.47	30.69	299	92	P	V
		5465.84	55.34	-12.96	68.3	39.81	34.7	11.55	30.72	299	92	P	V
		5459.12	45.58	-8.42	54	30.07	34.7	11.53	30.72	299	92	A	V
		5686	104.39	36.09	68.3	88.43	34.97	11.79	30.8	299	92	P	V
		5686	94.84	-	-	78.88	34.97	11.79	30.8	299	92	A	V
		5760.36	56.32	-11.98	68.3	40.08	35.19	11.89	30.84	299	92	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		5458.48	58.04	-15.96	74	42.53	34.7	11.53	30.72	100	265	P	H
		5469.2	60.25	-8.05	68.3	44.72	34.7	11.55	30.72	100	265	P	H
		5459.12	48.39	-5.61	54	32.88	34.7	11.53	30.72	100	265	A	H
	*	5524	105.3	-	-	89.74	34.7	11.6	30.74	100	265	P	H
		5524	97.07	-	-	81.51	34.7	11.6	30.74	100	265	A	H
		5753.64	56.61	-11.69	68.3	40.36	35.19	11.89	30.83	100	265	P	H
		5446.64	56.25	-17.75	74	40.73	34.7	11.53	30.71	301	358	P	V
		5468.56	56.88	-11.42	68.3	41.35	34.7	11.55	30.72	301	358	P	V
		5459.92	46.65	-7.35	54	31.14	34.7	11.53	30.72	301	358	A	V
	*	5554	102.79	-	-	87.22	34.7	11.62	30.75	301	358	P	V
		5554	93.63	-	-	78.06	34.7	11.62	30.75	301	358	A	V
		5759.64	56.68	-11.62	68.3	40.44	35.19	11.89	30.84	301	358	P	V
802.11ax HE80 Full CH 122 5610MHz		5446.16	55.91	-18.09	74	40.39	34.7	11.53	30.71	100	94	P	H
		5469.68	55.29	-13.01	68.3	39.76	34.7	11.55	30.72	100	94	P	H
		5455.6	45.9	-8.1	54	30.39	34.7	11.53	30.72	100	94	A	H
	*	5614	105.09	-	-	89.49	34.7	11.67	30.77	100	94	P	H
		5614	95.67	-	-	80.07	34.7	11.67	30.77	100	94	A	H
		5740.76	56.76	-11.54	68.3	40.58	35.14	11.87	30.83	100	94	P	H
		5450.32	56.36	-17.64	74	40.84	34.7	11.53	30.71	101	275	P	V
		5465.04	55.11	-13.19	68.3	39.58	34.7	11.55	30.72	101	275	P	V
		5457.36	45.83	-8.17	54	30.32	34.7	11.53	30.72	101	275	A	V
	*	5638	101.28	-	-	85.52	34.81	11.72	30.77	101	275	P	V
		5638	92.77	-	-	77.01	34.81	11.72	30.77	101	275	A	V
		5749.96	57.83	-10.47	68.3	41.65	35.14	11.87	30.83	101	275	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 HE80 Full CH 106 5530MHz		11060	42.71	-31.29	74	48.54	37.94	16.76	60.53	100	360	P	H
		11060	42.89	-31.11	74	48.72	37.94	16.76	60.53	100	360	P	V
802.11ax HE80 Full CH 122 5610MHz		11220	42.98	-31.02	74	48.57	38.03	16.87	60.49	100	360	P	H
		11220	42.82	-31.18	74	48.41	38.03	16.87	60.49	100	360	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		5449.36	56.38	-17.62	74	40.86	34.7	11.53	30.71	100	252	P	H
		5465.68	56.3	-12	68.3	40.77	34.7	11.55	30.72	100	252	P	H
		5459.76	45.79	-8.21	54	30.28	34.7	11.53	30.72	100	252	A	H
		5494	103.82	-	-	88.29	34.7	11.56	30.73	100	252	P	H
		5494	92.22	-	-	76.69	34.7	11.56	30.73	100	252	A	H
		5759.48	56.76	-11.54	68.3	40.51	35.19	11.89	30.83	100	252	P	H
		5429.2	55.63	-18.37	74	40.11	34.7	11.52	30.7	293	359	P	V
		5468.4	55.04	-13.26	68.3	39.51	34.7	11.55	30.72	293	359	P	V
		5459.92	45.62	-8.38	54	30.11	34.7	11.53	30.72	293	359	A	V
		5494	98.56	-	-	83.03	34.7	11.56	30.73	293	359	P	V
		5494	88.01	-	-	72.48	34.7	11.56	30.73	293	359	A	V
		5757.08	55.99	-12.31	68.3	39.74	35.19	11.89	30.83	293	359	P	V
802.11ax HE80 Partial 484/66 CH 122 5610MHz		5451.76	56.11	-17.89	74	40.59	34.7	11.53	30.71	110	263	P	H
		5463.6	55.62	-12.68	68.3	40.09	34.7	11.55	30.72	110	263	P	H
		5454.8	45.64	-8.36	54	30.12	34.7	11.53	30.71	110	263	A	H
		5644	101.02	-	-	85.26	34.81	11.72	30.77	110	263	P	H
		5644	89.83	-	-	74.07	34.81	11.72	30.77	110	263	A	H
		5733.4	56.13	-12.17	68.3	40.03	35.08	11.84	30.82	110	263	P	H
		5439.28	56.03	-17.97	74	40.52	34.7	11.52	30.71	289	85	P	V
		5463.6	56.28	-12.02	68.3	40.75	34.7	11.55	30.72	289	85	P	V
		5457.52	45.63	-8.37	54	30.12	34.7	11.53	30.72	289	85	A	V
		5632	95.53	-	-	79.86	34.75	11.69	30.77	289	85	P	V
		5632	86.06	-	-	70.39	34.75	11.69	30.77	289	85	A	V
		5738.76	56.7	-11.6	68.3	40.51	35.14	11.87	30.82	289	85	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI 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	*	5716	114.76	-	-	98.72	35.03	11.82	30.81	107	100	P	H
		5716	106.86	-	-	90.82	35.03	11.82	30.81	107	100	A	H
	*	5716	109.96	-	-	93.92	35.03	11.82	30.81	102	77	P	V
		5716	103.4	-	-	87.36	35.03	11.82	30.81	102	77	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI 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	41.92	-32.08	74	47.17	38.16	17.03	60.44	100	360	P	H
		11440	43.05	-30.95	74	48.3	38.16	17.03	60.44	100	360	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 (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	*	5722	113.86	-	-	97.76	35.08	11.84	30.82	101	99	P	H
HT20		5722	105.76	-	-	89.66	35.08	11.84	30.82	101	99	A	H
CH 144	*	5722	111.02	-	-	94.92	35.08	11.84	30.82	102	75	P	V
5720MHz		5722	103.36	-	-	87.26	35.08	11.84	30.82	102	75	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n 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	44.07	-29.93	74	49.32	38.16	17.03	60.44	100	360	P	H
		11440	43.78	-30.22	74	49.03	38.16	17.03	60.44	100	360	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 (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	*	5710	106.61	-	-	90.57	35.03	11.82	30.81	101	99	P	H
HT40		5710	98.67	-	-	82.63	35.03	11.82	30.81	101	99	A	H
CH 142	*	5722	103.57	-	-	87.47	35.08	11.84	30.82	102	75	P	V
5710MHz		5722	96.46	-	-	80.36	35.08	11.84	30.82	102	75	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n 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	42.54	-31.46	74	47.82	38.15	17.02	60.45	100	360	P	H
		11420	43.71	-30.29	74	48.99	38.15	17.02	60.45	100	360	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 (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	*	5704	102.84	-	-	86.8	35.03	11.82	30.81	101	100	P	H
VHT80		5704	94.68	-	-	78.64	35.03	11.82	30.81	101	100	A	H
CH 138	*	5692	99.1	-	-	83.14	34.97	11.79	30.8	101	71	P	V
5690MHz		5692	91.56	-	-	75.6	34.97	11.79	30.8	101	71	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	43.05	-30.95	74	48.39	38.13	16.99	60.46	100	360	P	H
		11380	43.37	-30.63	74	48.71	38.13	16.99	60.46	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax	*	5722	112.41	-	-	96.31	35.08	11.84	30.82	102	99	P	H
HE20 Full		5722	104.99	-	-	88.89	35.08	11.84	30.82	102	99	A	H
CH 144	*	5722	108.24	-	-	92.14	35.08	11.84	30.82	102	70	P	V
5720MHz		5722	99.8	-	-	83.7	35.08	11.84	30.82	102	70	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 144 5720MHz		11440	44.11	-29.89	74	49.36	38.16	17.03	60.44	100	360	P	H
		11440	42.92	-31.08	74	48.17	38.16	17.03	60.44	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax	*	5722	105.35	-	-	89.25	35.08	11.84	30.82	101	102	P	H
HE40 Full		5722	97.75	-	-	81.65	35.08	11.84	30.82	101	102	A	H
CH 142	*	5710	107.67	-	-	91.63	35.03	11.82	30.81	101	77	P	V
5710MHz		5710	99.62	-	-	83.58	35.03	11.82	30.81	101	77	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		11420	42.7	-31.3	74	47.98	38.15	17.02	60.45	100	360	P	H
		11420	43.1	-30.9	74	48.38	38.15	17.02	60.45	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax	*	5716	106.35	-	-	90.31	35.03	11.82	30.81	103	101	P	H
HE80 Full		5716	96.08	-	-	80.04	35.03	11.82	30.81	103	101	A	H
CH 138	*	5680	100.32	-	-	84.42	34.92	11.77	30.79	101	78	P	V
5690MHz		5680	92.76	-	-	76.86	34.92	11.77	30.79	101	78	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 138 5690MHz		11380	42.4	-31.6	74	47.74	38.13	16.99	60.46	100	360	P	H
		11380	42.69	-31.31	74	48.03	38.13	16.99	60.46	100	360	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 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)
5GHz 802.11ac VHT80 LF		30	18.65	-21.35	40	24.9	25.14	0.81	32.2	-	-	P	H
		61.04	19.07	-20.93	40	37.78	12.05	1.34	32.1	-	-	P	H
		117.3	20.79	-22.71	43.5	33.54	17.54	1.88	32.17	-	-	P	H
		300.63	21.56	-24.44	46	31.17	19.46	3.03	32.1	-	-	P	H
		814.73	33.72	-12.28	46	32.66	28.43	4.96	32.33	-	-	P	H
		819.58	34.3	-11.7	46	33.11	28.55	4.98	32.34	100	0	P	H
		30	31.45	-8.55	40	37.7	25.14	0.81	32.2	100	0	P	V
		60.07	29.31	-10.69	40	48.02	12.06	1.33	32.1	-	-	P	V
		110.51	27.38	-16.12	43.5	40.44	17.29	1.83	32.18	-	-	P	V
		117.3	27.45	-16.05	43.5	40.2	17.54	1.88	32.17	-	-	P	V
		742.95	26.28	-19.72	46	25.55	28.28	4.74	32.29	-	-	P	V
		819.58	30.39	-15.61	46	29.2	28.55	4.98	32.34	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

For Co-location

Band 1 - 5150~5250MHz

WIFI 802.11ac VHT80_CH42&BLE_Tx_Ch39 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5142.24	59.24	-14.76	74	44.03	34.62	11.2	30.61	100	113	P	H
		5149.28	48.98	-5.02	54	33.77	34.62	11.2	30.61	100	113	A	H
	*	5194	103.88	-	-	88.55	34.7	11.26	30.63	100	113	P	H
		5194	96.73	-	-	81.4	34.7	11.26	30.63	100	113	A	H
		5384.16	55.29	-18.71	74	39.81	34.7	11.47	30.69	100	113	P	H
		5399.64	45.37	-8.63	54	29.88	34.7	11.49	30.7	100	113	A	H
		5124	57.35	-16.65	74	42.17	34.6	11.18	30.6	239	280	P	V
		5144.96	47.08	-6.92	54	31.87	34.62	11.2	30.61	239	280	A	V
	*	5230	98.66	-	-	83.3	34.7	11.3	30.64	239	280	P	V
		5230	91.07	-	-	75.71	34.7	11.3	30.64	239	280	A	V
		5364.72	55.07	-18.93	74	39.61	34.7	11.45	30.69	239	280	P	V
		5400	45.31	-8.69	54	29.82	34.7	11.49	30.7	239	280	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&BLE_Tx_Ch39 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	45.22	-23.08	68.3	51.97	37.63	16.29	60.67	300	0	P	H
		10420	43.89	-24.41	68.3	50.64	37.63	16.29	60.67	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT80_CH42&BLE_Tx_Ch39 (Band Edge @ 3m)

BLE	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE CH 39 2480MHz		2384.23	57.47	-16.53	74	49.41	32.15	7.56	31.65	119	114	P	H
		2384.1	49.32	-4.68	54	41.26	32.15	7.56	31.65	119	114	A	H
		2485.66	56.59	-17.41	74	48.32	32.12	7.73	31.58	110	111	P	H
		2483.5	46.15	-7.85	54	37.88	32.12	7.73	31.58	110	111	A	H
		2480	99.59	-	-	91.32	32.12	7.73	31.58	110	111	P	H
		2480	98.87	-	-	90.6	32.12	7.73	31.58	110	111	A	H
		2346.79	56.6	-17.4	74	48.71	32.06	7.5	31.67	317	68	P	V
		2384.1	46.99	-7.01	54	38.93	32.15	7.56	31.65	317	68	A	V
		2494.12	56.44	-17.56	74	48.14	32.1	7.76	31.56	317	68	P	V
		2483.5	45.52	-8.48	54	37.25	32.12	7.73	31.58	317	68	A	V
		2480	96.79	-	-	88.52	32.12	7.73	31.58	317	68	P	V
		2480	96.14	-	-	87.87	32.12	7.73	31.58	317	68	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT80_CH42&BLE_Tx_Ch39 (Harmonic @ 3m)

BLE	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BLE CH 39 2480MHz		4962	42.98	-31.02	74	57.59	34.38	11.02	60.01	300	0	P	H
		7440	41.7	-32.3	74	52.75	35.91	13.58	60.54	300	0	P	H
		4962	40.64	-33.36	74	55.25	34.38	11.02	60.01	300	0	P	V
		7440	42.02	-31.98	74	53.07	35.91	13.58	60.54	300	0	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 CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

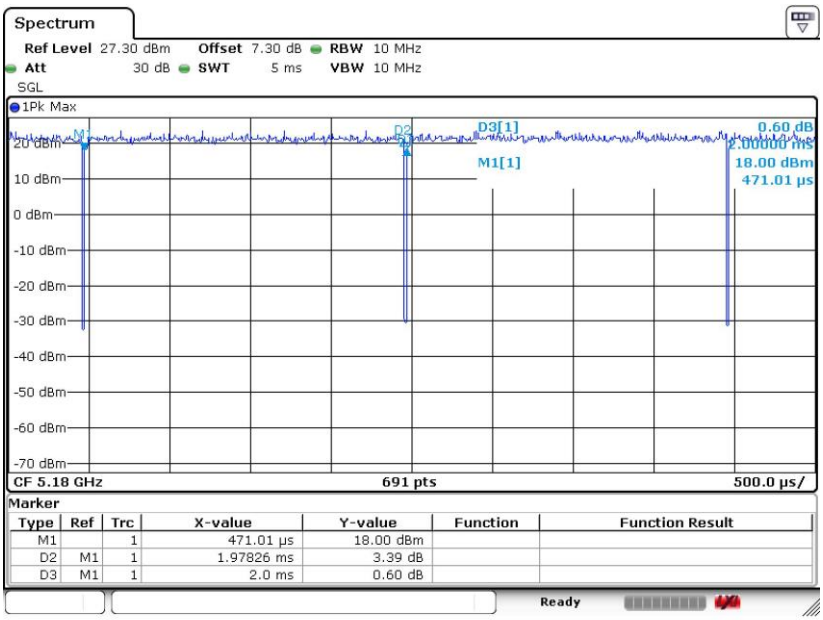
Both peak and average measured complies with the limit line, so test result is “PASS”.

Appendix D. Duty Cycle Plots

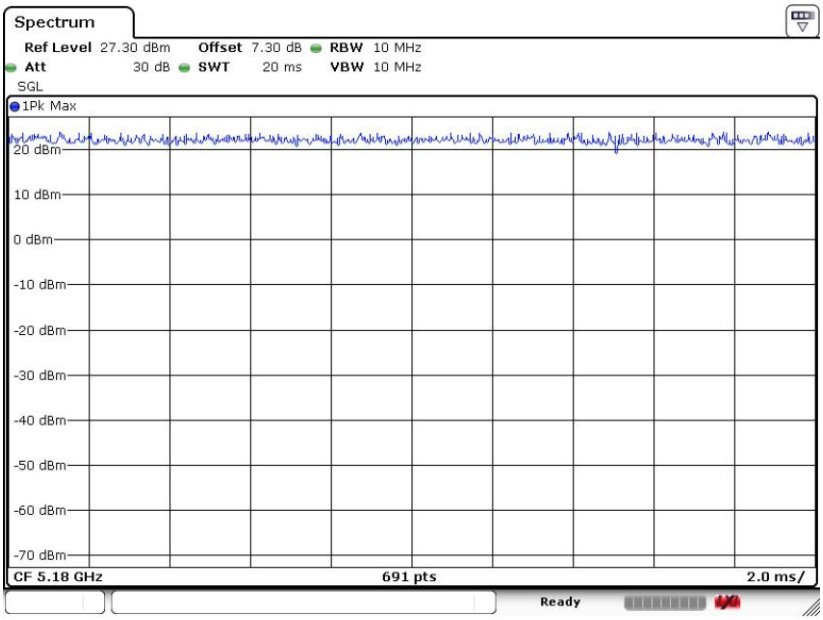
Antenna	Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
1+2	802.11a	98.91	-	-	10Hz
1+2	802.11n HT20	100	-	-	10Hz
1+2	802.11n HT40	100	-	-	10Hz
1+2	802.11ac VHT80	100	-	-	10Hz
1+2	802.11ax HE20	100	-	-	10Hz
1+2	802.11ax HE40	100	-	-	10Hz
1+2	802.11ax HE80	100	-	-	10Hz

MIMO <Ant. 1+2>

802.11a



802.11n HT20



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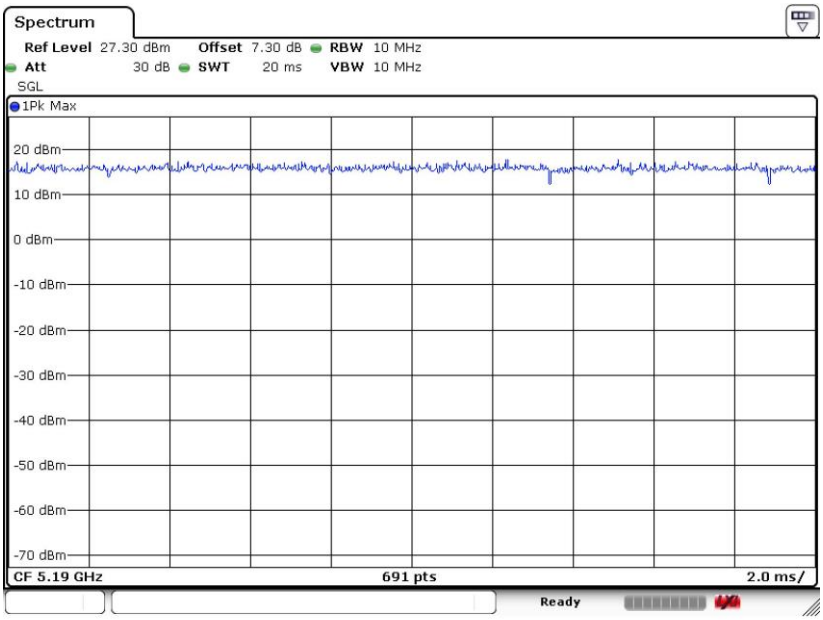
802.11n HT40



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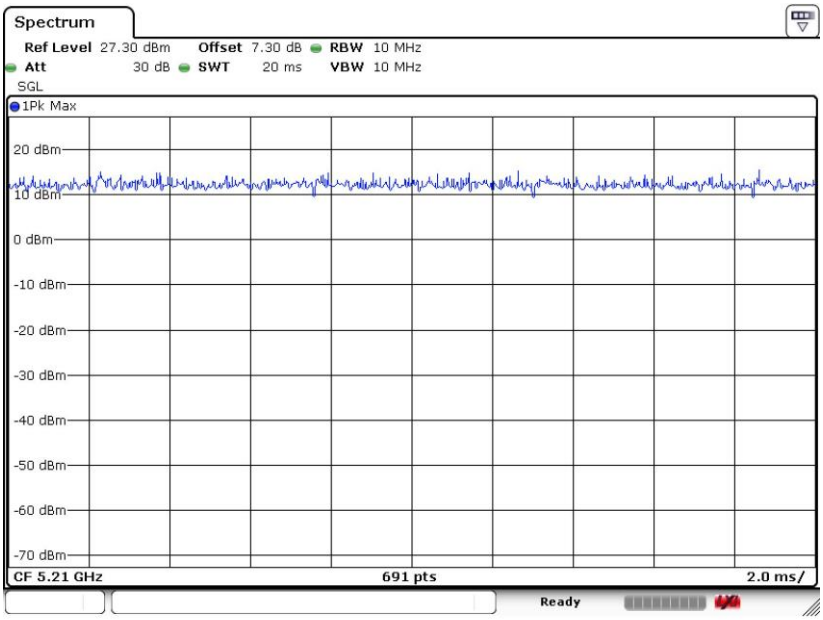
802.11ac VHT80



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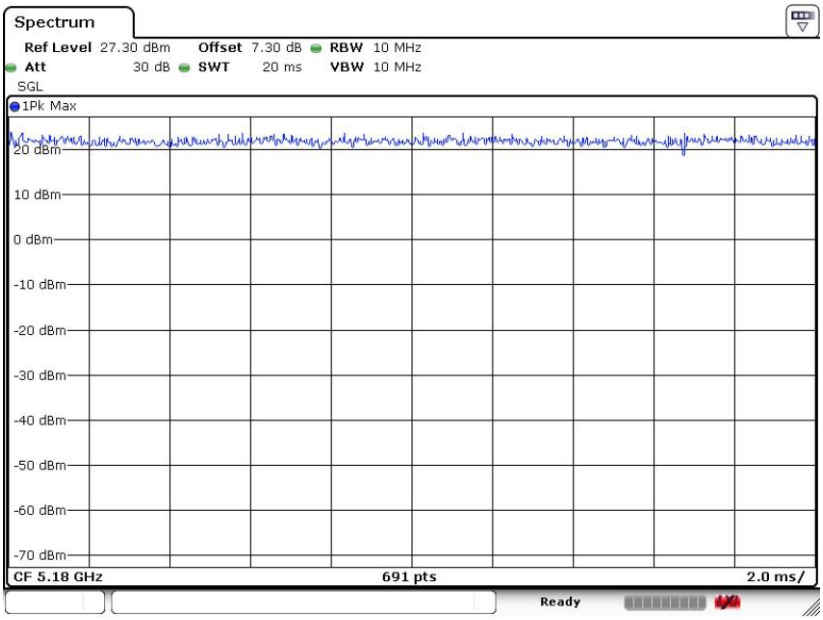
802.11ax HE20



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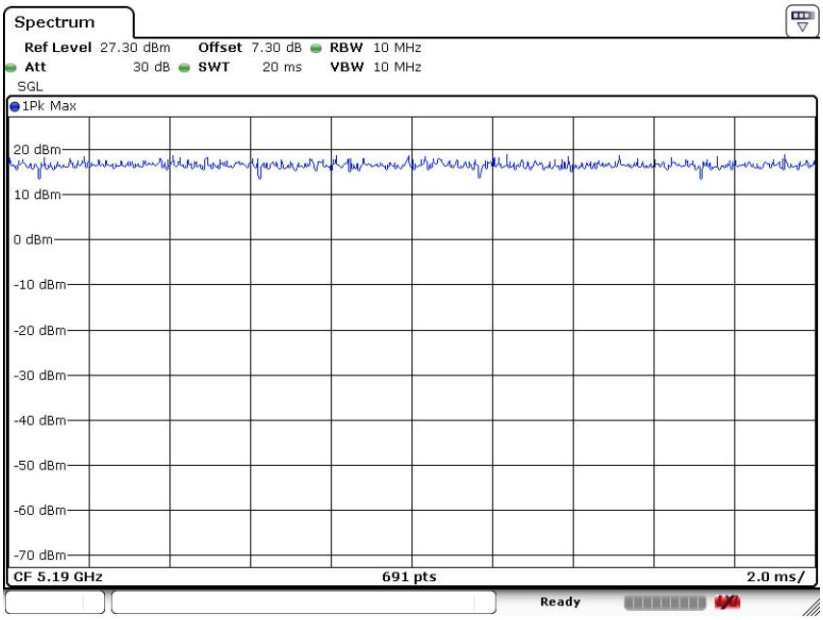
802.11ax HE40



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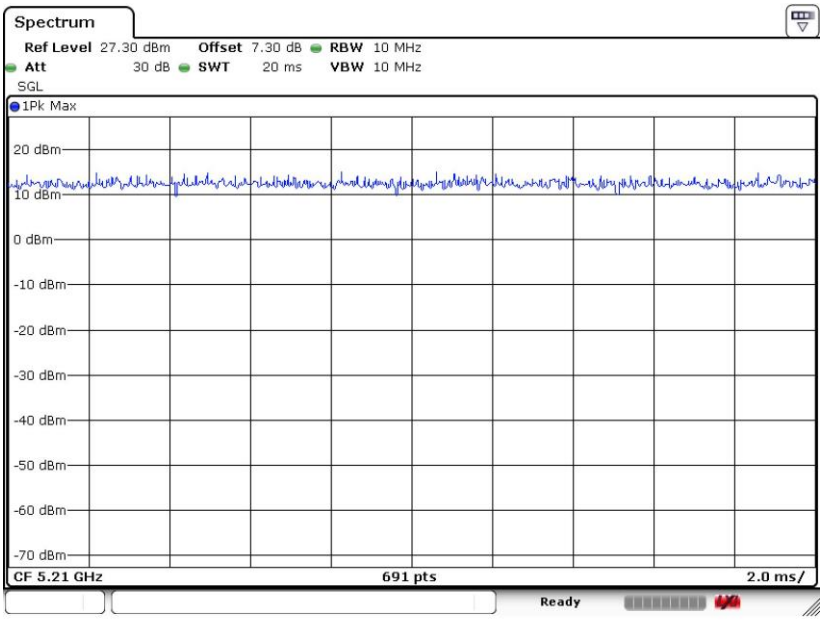

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