FCC RF Test Report

APPLICANT	:	Lenovo(Shanghai) Electronics Technology Co., Ltd.
EQUIPMENT	:	Portable Tablet Computer
BRAND NAME	:	Lenovo
MODEL NAME	:	Lenovo TB-Q706F
FCC ID	:	O57TBQ706F
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure
TEST DATE(S)	:	Jul. 13, 2021 ~ Jul. 27, 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.

This report contains data that were produced under subcontract by Sporton International (ShenZhen) Inc.

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

Alex Wang

Approved by: Alex Wang / 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
FR161617E	Rev. 01	Initial issue of report	Aug. 16, 2021

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	2.1049 & 15.403(i)	26dB & 99% Bandwidth	-	N/A	Report only
3.2	15.407(a)	Maximum Conducted Output Power	≤ 24 dBm	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 11 dBm	Pass	-
3.4	15.407(b)	Unwanted Emissions	15.407(b) & 15.209(a)	Pass	Under limit 3.01 dB at 5470 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 10.51 dB at 0.163 MHz
3.6	15.203 & 15.407(a)	Antenna Requirement	N/A	N/A	-

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

1 General Description

1.1 Applicant

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, China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Portable Tablet Computer
Brand Name	Lenovo
Model Name	Lenovo TB-Q706F
FCC ID	O57TBQ706F
HW Version	Lenovo TB-Q706F
SW Version	TB-Q706F_RF01_210811
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 : 20.48 dBm / 0.1117 W 802.11n HT20 : 20.83 dBm / 0.1211 W 802.11n HT40 : 21.87 dBm / 0.1538 W 802.11ac VHT20 : 20.80 dBm / 0.1202 W 802.11ac VHT40 : 21.85 dBm / 0.1531 W 802.11ac VHT80 : 19.24 dBm / 0.0839 W 802.11ax HE20 : 20.91 dBm / 0.1233 W 802.11ax HE40 : 21.94 dBm / 0.1563 W 802.11ax HE80 : 19.32 dBm / 0.0855 W **<5260 MHz ~ 5320 MHz>** 802.11a : 22.05 dBm / 0.1603 W 802.11n HT20 : 21.81 dBm / 0.1517 W 802.11n HT40 : 21.94 dBm / 0.1563 W 802.11ac VHT20 : 21.76 dBm / 0.1500 W 802.11ac VHT40 : 21.92 dBm / 0.1556 W 802.11ac VHT80 : 19.01 dBm / 0.0796 W 802.11ax HE20 : 21.93 dBm / 0.1560 W 802.11ax HE40 : 22.00 dBm / 0.1585 W 802.11ax HE80 : 19.03 dBm / 0.0800 W **<5500 MHz ~ 5720 MHz >** 802.11a : 22.23 dBm / 0.1671 W 802.11n HT20 : 22.05 dBm / 0.1603 W 802.11n HT40 : 22.24 dBm / 0.1675 W 802.11ac VHT20 : 21.98 dBm / 0.1578 W 802.11ac VHT40 : 22.22 dBm / 0.1667 W 802.11ac VHT80 : 22.40 dBm / 0.1738 W 802.11ax HE20 : 22.14 dBm / 0.1637 W 802.11ax HE40 : 22.28 dBm / 0.1690 W 802.11ax HE80 : 22.43 dBm / 0.1750 W
99% Occupied Bandwidth	**<5180 MHz ~ 5240 MHz>** 802.11a : 17.08 MHz 802.11ax HE20 : 19.43 MHz 802.11ax HE40 : 38.06 MHz 802.11ax HE80 : 77.20 MHz **<5260 MHz ~ 5320 MHz>** 802.11a : 17.03 MHz 802.11ax HE20 : 19.43 MHz 802.11ax HE40 : 38.06 MHz 802.11ax HE80 : 77.32 MHz **<5500 MHz ~ 5720 MHz >** 802.11a : 17.18 MHz 802.11ax HE20 : 19.38 MHz 802.11ax HE40 : 38.06 MHz 802.11ax HE80 : 77.32 MHz
Antenna Type / Gain	**<5150 MHz ~ 5250 MHz>**

	<Ant. 1> : IFA Antenna with gain -2.80 dBi <Ant. 2> : IFA Antenna with gain -0.50 dBi **<5250 MHz ~ 5350 MHz>** <Ant. 1> : IFA Antenna with gain -2.50 dBi <Ant. 2> : IFA Antenna with gain -0.90 dBi **<5470 MHz ~ 5725 MHz>** <Ant. 1> : IFA Antenna with gain 0.50 dBi <Ant. 2> : IFA Antenna with gain -1.30 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	<table><tr><td></td><td>Ant. 1</td><td>Ant. 2</td></tr><tr><td>802.11 a/n/ac/ax SISO/MIMO</td><td>V</td><td>V</td></tr></table>

Note:

1. For SISO & MIMO mode, the whole testing has assessed only MIMO mode by referring to their higher conducted power.
2. For 802.11n HT20 / ac VHT20 / ax HE20 and 802.11n HT40 / ac VHT40 / ax HE40 mode, the whole testing have assessed only ax HE20 / HE40 by referring to their maximum conducted power.
3. For 802.11ac VHT80 / ax HE80 mode, the whole testing have assessed only ax HE80 by referring to their maximum 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	CN1257	314309

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

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

Test data subcontracted: conducted test items in section 3.1 ~ 3.3 of this report.

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 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 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 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
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

Co-location
WIFI 5G + BLE

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN Link(5G) + USB Cable (Charging from Adapter 2)

Remark:

1. For Radiated Test Cases, the tests were performed with Sample 1 and Adapter 1.
2. For Conducted Emission, the tests were performed with the worst accessories in part 15B report.

Ch. #		U-NII-1：5150-5250 MHz	U-NII-2A：5250-5350 MHz	U-NII-2C：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

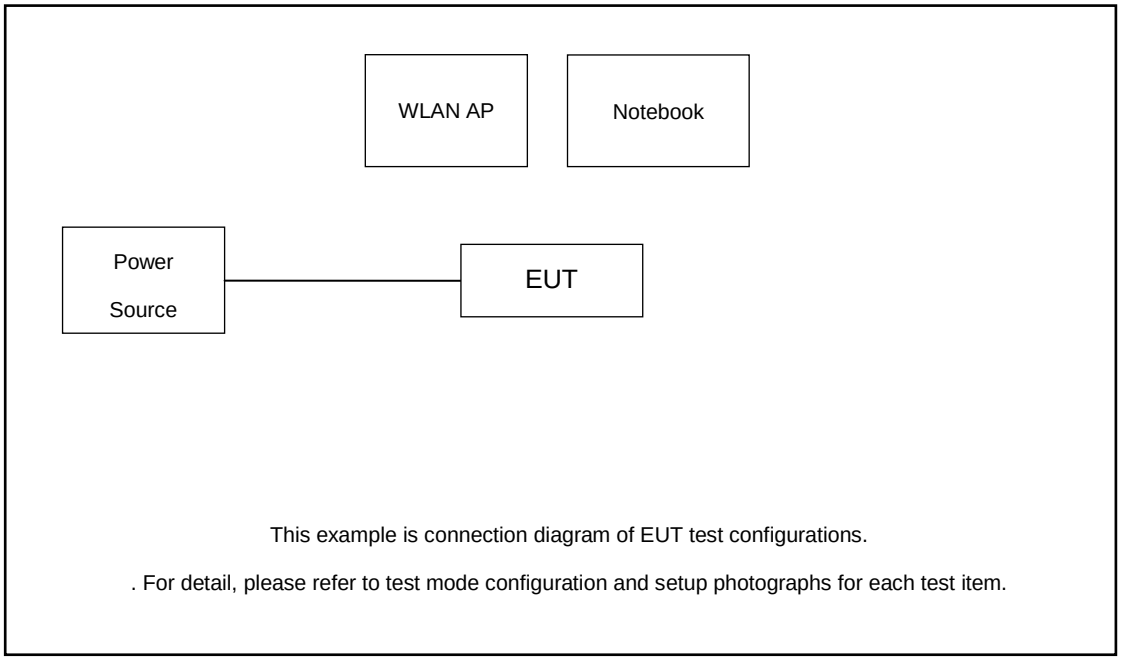
Ch. #		U-NII-1：5150-5250 MHz	U-NII-2A：5250-5350 MHz	U-NII-2C：5470-5725MHz
		802.11ax HE20	802.11ax HE20	802.11ax HE20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		U-NII-1：5150-5250 MHz	U-NII-2A：5250-5350 MHz	U-NII-2C：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. #		U-NII-1：5150-5250 MHz	U-NII-2A：5250-5350 MHz	U-NII-2C：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

2.3 Connection Diagram of Test System

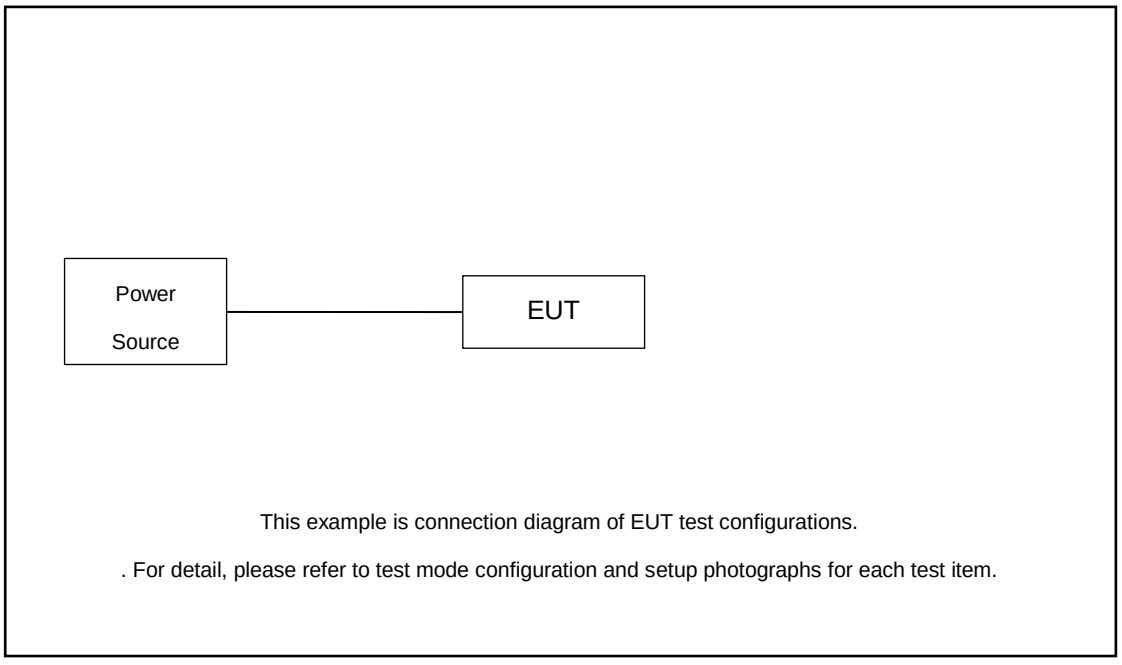
For Conducted Emission:



This example is connection diagram of EUT test configurations.

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

For Radiated Emission:



This example is connection diagram of EUT test configurations.

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

2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded,1.8m
2.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

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

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 2.8 dB and 10dB attenuator.

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

= 2.8 + 10 = 12.8 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

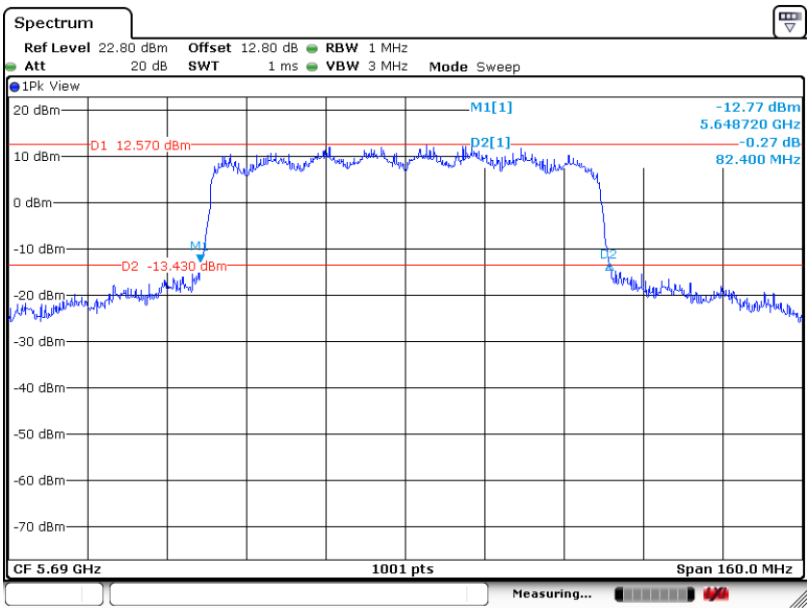
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

3.1.4 Test Setup

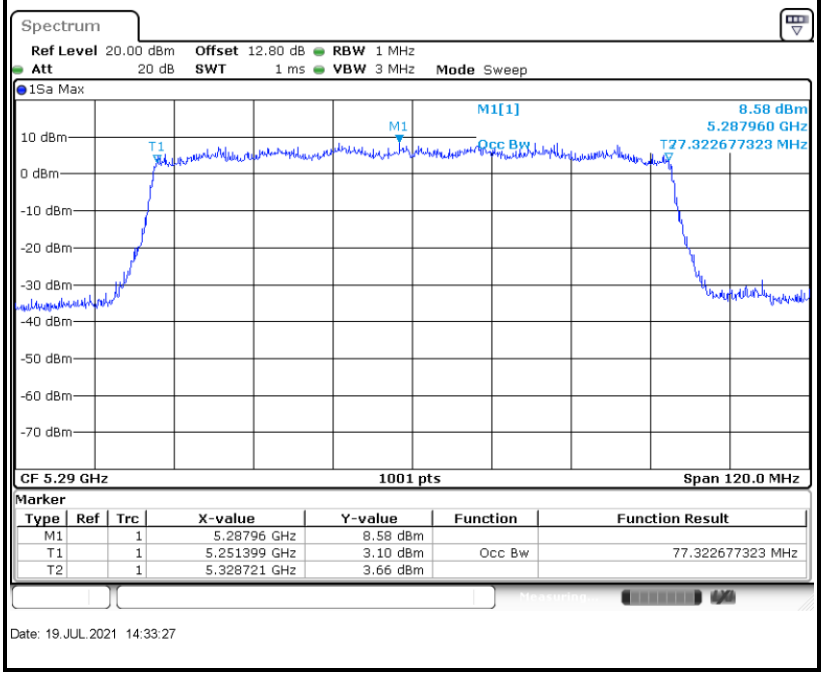
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

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 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.

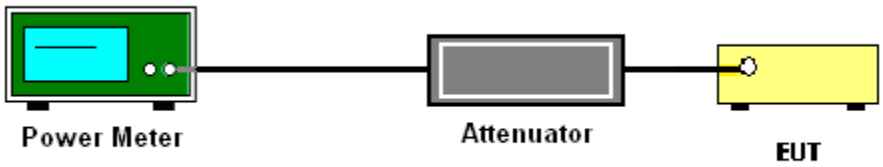
3.2.3 Test Procedures

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.

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).

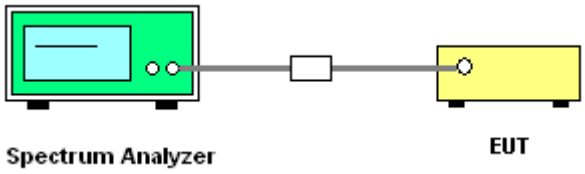
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x),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

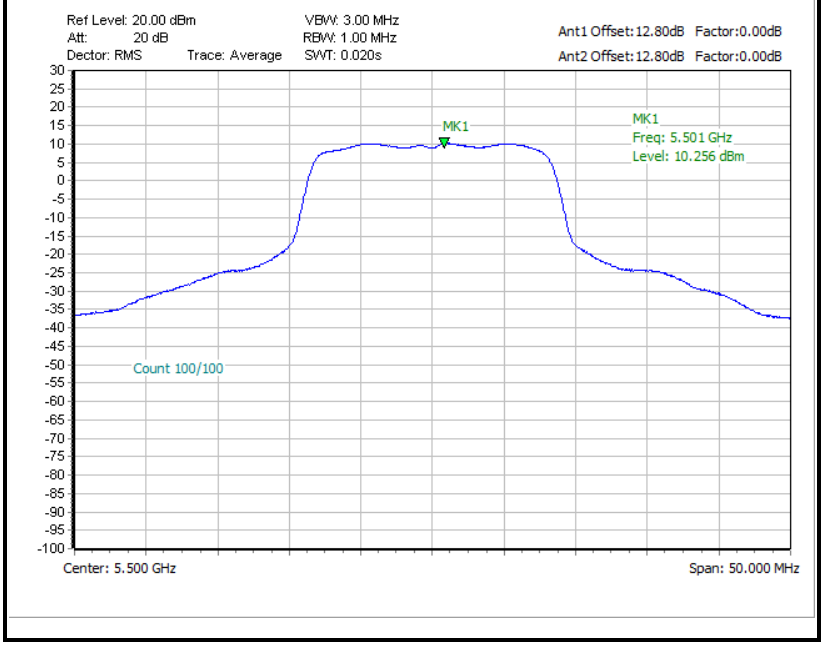
3.3.4 Test Setup



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

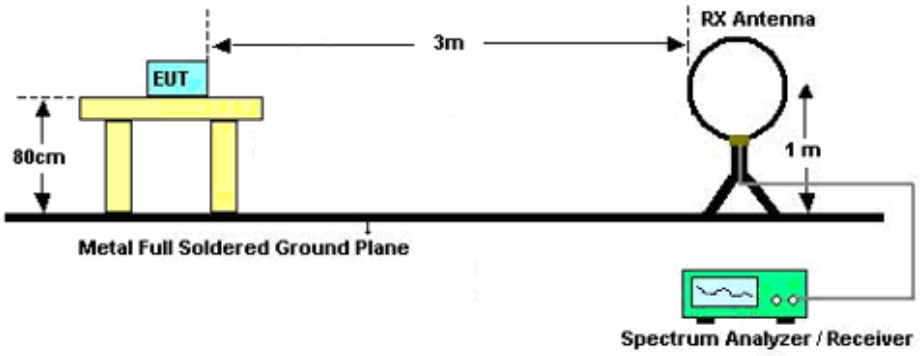
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

   - 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.

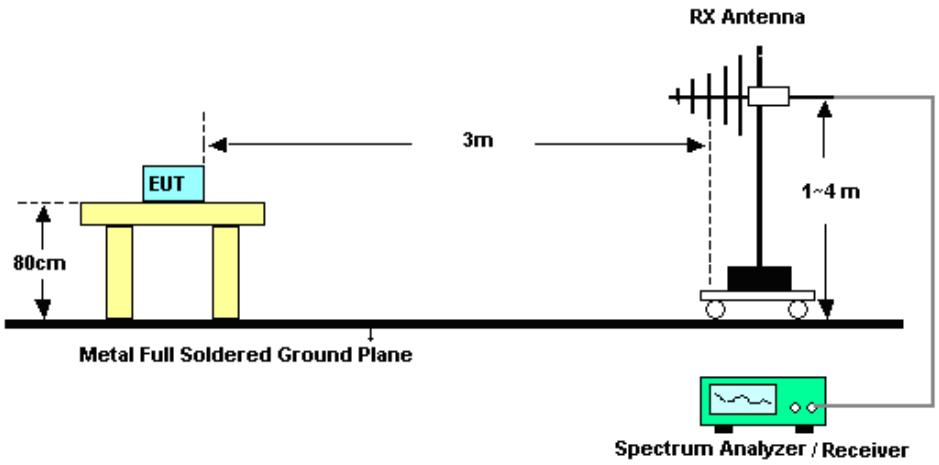
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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

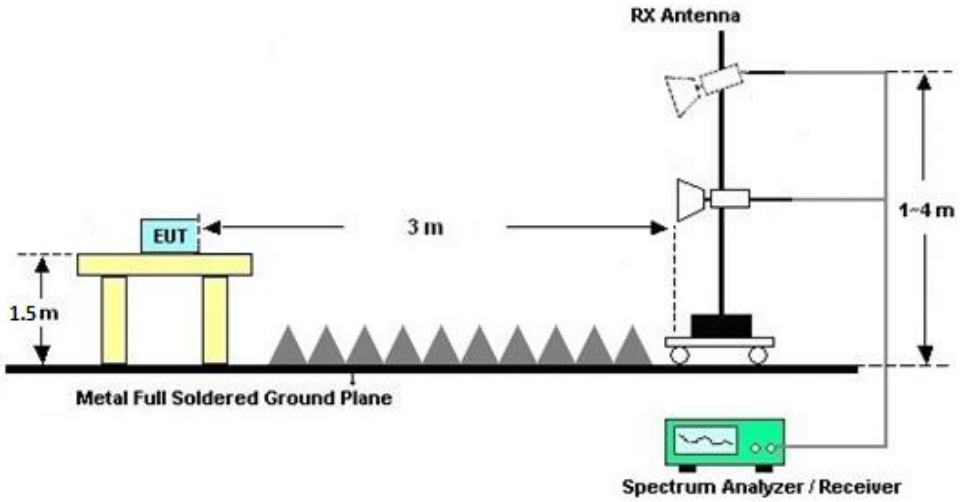
For radiated emissions below 30MHz



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.

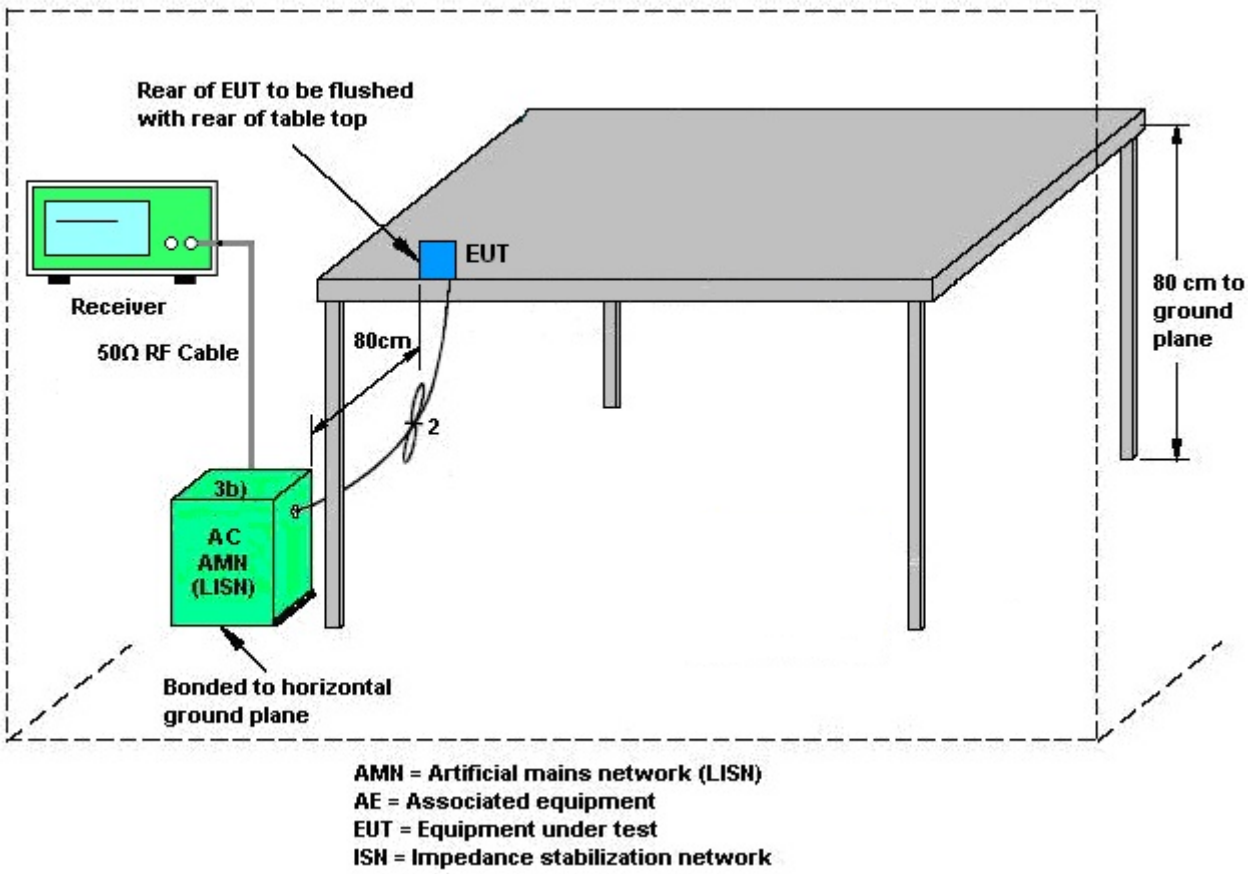
3.5.2 Measuring Instruments

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 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-2.80	-0.50	-0.50	1.44	0.00	0.00
Band II	-2.50	-0.90	-0.90	1.35	0.00	0.00
Band III	0.50	-1.30	0.50	2.66	0.00	0.00

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

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

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 08, 2021	Jul. 19, 2021	Apr. 07, 2022	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1207253	30MHz~40GHz	Dec. 25, 2020	Jul. 19, 2021	Dec. 24, 2021	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Dec. 25, 2020	Jul. 19, 2021	Dec. 24, 2021	Conducted (TH01-SZ)
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz;Max 30dBm	Oct. 17, 2020	Jul. 13, 2021	Oct. 16, 2021	Radiation (03CH05-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz-44G,MAX 30dB	Apr. 13, 2021	Jul. 13, 2021	Apr. 12, 2022	Radiation (03CH05-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Nov. 01, 2020	Jul. 13, 2021	Oct. 31, 2021	Radiation (03CH05-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	Jun. 04 ,2021	Jul. 13, 2021	Jun. 03, 2022	Radiation (03CH05-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00218652	1GHz~18GHz	Apr. 24, 2021	Jul. 13, 2021	Apr. 23, 2022	Radiation (03CH05-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Nov. 10, 2020	Jul. 13, 2021	Nov. 09, 2021	Radiation (03CH05-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Apr. 12, 2021	Jul. 13, 2021	Apr. 11, 2022	Radiation (03CH05-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 07, 2021	Jul. 13, 2021	Jan. 06, 2022	Radiation (03CH05-KS)
high gain Amplifier	MITEQ	AMF-7D-00101800-30-10P	2012228	1Ghz-18Ghz	Oct. 17, 2020	Jul. 13, 2021	Oct. 16, 2021	Radiation (03CH05-KS)
Amplifier	Keysight	83017A	MY53270316	500MHz~26.5GHz	Oct. 17, 2020	Jul. 13, 2021	Oct. 16, 2021	Radiation (03CH05-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jul. 13, 2021	NCR	Radiation (03CH05-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jul. 13, 2021	NCR	Radiation (03CH05-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jul. 13, 2021	NCR	Radiation (03CH05-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 21, 2021	Jul. 27, 2021	Apr. 20, 2022	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 17, 2020	Jul. 27, 2021	Oct. 16, 2021	Conduction (CO01-KS)
AC LISN	R&S	ENV216	100334	9kHz~30MHz	Oct. 17, 2020	Jul. 27, 2021	Oct. 16, 2021	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 17, 2020	Jul. 27, 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))	**2.94dB**

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**

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

Appendix A. Conducted Test Results

Report Number : FR161617E

Test Engineer:	Liu Qiu Qiu	Temperature:	24~26	°C
Test Date:	2021/7/19	Relative Humidity:	50~53	%

TEST RESULTS DATA
26dB and 99% OBW

Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.88	17.03	20.70	20.80	-		22.27			
11a	6Mbps	2	44	5220	16.88	17.08	21.00	20.15	-		22.27			
11a	6Mbps	2	48	5240	16.88	17.03	20.75	21.05	-		22.27			
HE20	MCS0	2	36	5180	19.38	19.23	22.10	26.95	-		22.84			
HE20	MCS0	2	44	5220	19.33	19.28	22.35	30.40	-		22.85			
HE20	MCS0	2	48	5240	19.43	19.23	23.35	31.10	-		22.84			
HE40	MCS0	2	38	5190	37.96	37.76	41.22	41.22	-		23.01			
HE40	MCS0	2	46	5230	38.06	37.76	41.40	41.49	-		23.01			
HE80	MCS0	2	42	5210	77.20	76.96	81.76	82.08	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I																
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	Full	5180	0.04	0.04	16.76	17.35	20.07	24.00		-0.50			Pass
11a	6Mbps	2	44	Full	5220	0.04	0.04	17.04	17.67	20.38	24.00		-0.50			Pass
11a	6Mbps	2	48	Full	5240	0.04	0.04	17.17	17.75	20.48	24.00		-0.50			Pass
HT20	MCS0	2	36	Full	5180	0.00	0.00	17.10	17.58	20.36	24.00		-0.50			Pass
HT20	MCS0	2	44	Full	5220	0.00	0.00	17.41	18.06	20.76	24.00		-0.50			Pass
HT20	MCS0	2	48	Full	5240	0.00	0.00	17.53	18.09	20.83	24.00		-0.50			Pass
HT40	MCS0	2	38	Full	5190	0.00	0.00	16.32	16.81	19.58	24.00		-0.50			Pass
HT40	MCS0	2	46	Full	5230	0.00	0.00	18.55	19.14	21.87	24.00		-0.50			Pass
VHT20	MCS0	2	36	Full	5180	0.00	0.00	17.08	17.57	20.34	24.00		-0.50			Pass
VHT20	MCS0	2	44	Full	5220	0.00	0.00	17.39	18.04	20.74	24.00		-0.50			Pass
VHT20	MCS0	2	48	Full	5240	0.00	0.00	17.48	18.07	20.80	24.00		-0.50			Pass
VHT40	MCS0	2	38	Full	5190	0.00	0.00	16.33	16.76	19.56	24.00		-0.50			Pass
VHT40	MCS0	2	46	Full	5230	0.00	0.00	18.52	19.13	21.85	24.00		-0.50			Pass
VHT80	MCS0	2	42	Full	5210	0.00	0.00	15.83	16.59	19.24	24.00		-0.50			Pass
HE20	MCS0	2	36	Full	5180	0.00	0.00	17.15	17.65	20.42	24.00		-0.50			Pass
				26/0		0.00	0.00	8.62	8.45	11.55	24.00		-0.50			Pass
				52/37		0.00	0.00	11.67	11.25	14.48	24.00		-0.50			Pass
				106/53		0.00	0.00	14.78	14.35	17.58	24.00		-0.50			Pass
			44	Full	5220	0.00	0.00	17.47	18.13	20.82	24.00		-0.50			Pass
			48	Full	5240	0.00	0.00	17.58	18.19	20.91	24.00		-0.50			Pass
				26/8		0.00	0.00	9.06	8.54	11.82	24.00		-0.50			Pass
				52/40		0.00	0.00	11.98	11.17	14.60	24.00		-0.50			Pass
				106/54		0.00	0.00	14.83	14.29	17.58	24.00		-0.50			Pass
HE40	MCS0	2	38	Full	5190	0.00	0.00	16.33	16.81	19.59	24.00		-0.50			Pass
				242/61		0.00	0.00	14.65	14.17	17.43	24.00		-0.50			Pass
			46	Full	5230	0.00	0.00	18.61	19.22	21.94	24.00		-0.50			Pass
				242/62		0.00	0.00	16.68	16.12	19.42	24.00		-0.50			Pass
HE80	MCS0	2	42	Full	5210	0.00	0.00	15.88	16.70	19.32	24.00		-0.50			Pass
				484/65		0.00	0.00	14.08	14.14	17.12	24.00		-0.50			Pass
				484/66		0.00	0.00	13.96	13.71	16.85	24.00		-0.50			Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I																
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	Full	5180	0.04	0.04			7.82	11.00		1.44			Pass
11a	6Mbps	2	44	Full	5220	0.04	0.04			7.97	11.00		1.44			Pass
11a	6Mbps	2	48	Full	5240	0.04	0.04			7.98	11.00		1.44			Pass
HE20	MCS0	2	36	Full	5180	0.00	0.00			7.68	11.00		1.44			Pass
				26/0		0.00	0.00			7.42	11.00		1.44			Pass
				52/37		0.00	0.00			7.61	11.00		1.44			Pass
				106/53		0.00	0.00			7.53	11.00		1.44			Pass
HE20	MCS0	2	44	Full	5220	0.00	0.00			7.97	11.00		1.44			Pass
HE20	MCS0	2	48	Full	5240	0.00	0.00			7.93	11.00		1.44			Pass
				26/8		0.00	0.00			7.63	11.00		1.44			Pass
				52/40		0.00	0.00			7.46	11.00		1.44			Pass
				106/54		0.00	0.00			7.48	11.00		1.44			Pass
HE40	MCS0	2	38	Full	5190	0.00	0.00			3.81	11.00		1.44			Pass
				242/61		0.00	0.00			3.77	11.00		1.44			Pass
HE40	MCS0	2	46	Full	5230	0.00	0.00			5.98	11.00		1.44			Pass
				242/62		0.00	0.00			5.69	11.00		1.44			Pass
HE80	MCS0	2	42	Full	5210	0.00	0.00			0.56	11.00		1.44			Pass
				484/65		0.00	0.00			0.49	11.00		1.44			Pass
				484/66		0.00	0.00			0.07	11.00		1.44			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.88	17.03	21.85	20.75	23.27		29.27		23.98		
11a	6Mbps	2	60	5300	16.88	17.03	25.00	20.30	23.27		29.27		23.98		
11a	6Mbps	2	64	5320	16.98	16.98	27.50	20.50	23.30		29.30		23.98		
HE20	MCS0	2	52	5260	19.33	19.23	22.55	24.85	23.84		29.84		23.98		
HE20	MCS0	2	60	5300	19.43	19.23	22.60	27.30	23.84		29.84		23.98		
HE20	MCS0	2	64	5320	19.33	19.13	22.35	22.05	23.82		29.82		23.98		
HE40	MCS0	2	54	5270	38.06	37.86	41.94	41.13	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	37.96	37.66	41.13	41.13	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	77.32	76.96	81.92	81.92	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II																
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	Full	5260	0.04	0.04	18.85	19.16	22.02	23.98		-0.90		26.99	Pass
11a	6Mbps	2	60	Full	5300	0.04	0.04	19.08	19.00	22.05	23.98		-0.90		26.99	Pass
11a	6Mbps	2	64	Full	5320	0.04	0.04	18.90	18.27	21.61	23.98		-0.90		26.99	Pass
HT20	MCS0	2	52	Full	5260	0.00	0.00	18.58	18.87	21.74	23.98		-0.90		26.99	Pass
HT20	MCS0	2	60	Full	5300	0.00	0.00	18.77	18.83	21.81	23.98		-0.90		26.99	Pass
HT20	MCS0	2	64	Full	5320	0.00	0.00	18.16	17.67	20.93	23.98		-0.90		26.99	Pass
HT40	MCS0	2	54	Full	5270	0.00	0.00	18.88	18.97	21.94	23.98		-0.90		26.99	Pass
HT40	MCS0	2	62	Full	5310	0.00	0.00	16.70	16.33	19.53	23.98		-0.90		26.99	Pass
VHT20	MCS0	2	52	Full	5260	0.00	0.00	18.49	18.84	21.68	23.98		-0.90		26.99	Pass
VHT20	MCS0	2	60	Full	5300	0.00	0.00	18.71	18.78	21.76	23.98		-0.90		26.99	Pass
VHT20	MCS0	2	64	Full	5320	0.00	0.00	18.14	17.63	20.90	23.98		-0.90		26.99	Pass
VHT40	MCS0	2	54	Full	5270	0.00	0.00	18.86	18.95	21.92	23.98		-0.90		26.99	Pass
VHT40	MCS0	2	62	Full	5310	0.00	0.00	16.68	16.29	19.50	23.98		-0.90		26.99	Pass
VHT80	MCS0	2	58	Full	5290	0.00	0.00	15.96	16.03	19.01	23.98		-0.90		26.99	Pass
HE20	MCS0	2	52	Full	5260	0.00	0.00	18.68	18.97	21.84	23.98		-0.90		26.99	Pass
				26/0		0.00	0.00	9.72	9.03	12.40	23.98		-0.90		26.99	Pass
				52/37		0.00	0.00	12.98	12.03	15.54	23.98		-0.90		26.99	Pass
				106/53		0.00	0.00	15.64	14.67	18.19	23.98		-0.90		26.99	Pass
			60	Full	5300	0.00	0.00	18.91	18.92	21.93	23.98		-0.90		26.99	Pass
			64	Full	5320	0.00	0.00	18.21	17.74	20.99	23.98		-0.90		26.99	Pass
				26/8		0.00	0.00	9.32	7.88	11.67	23.98		-0.90		26.99	Pass
				52/40		0.00	0.00	12.58	10.63	14.72	23.98		-0.90		26.99	Pass
				106/54		0.00	0.00	15.67	13.76	17.83	23.98		-0.90		26.99	Pass
HE40	MCS0	2	54	Full	5270	0.00	0.00	18.92	19.05	22.00	23.98		-0.90		26.99	Pass
				242/61		0.00	0.00	16.92	15.91	19.45	23.98		-0.90		26.99	Pass
			62	Full	5310	0.00	0.00	16.73	16.37	19.56	23.98		-0.90		26.99	Pass
				242/62		0.00	0.00	14.76	13.31	17.11	23.98		-0.90		26.99	Pass
HE80	MCS0	2	58	Full	5290	0.00	0.00	15.97	16.06	19.03	23.98		-0.90		26.99	Pass
				484/65		0.00	0.00	13.94	12.93	16.47	23.98		-0.90		26.99	Pass
				484/66		0.00	0.00	14.01	12.78	16.45	23.98		-0.90		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II																
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	Full	5260	0.04	0.04			9.16	11.00		1.35			Pass
11a	6Mbps	2	60	Full	5300	0.04	0.04			9.17	11.00		1.35			Pass
11a	6Mbps	2	64	Full	5320	0.04	0.04			9.01	11.00		1.35			Pass
HE20	MCS0	2	52	Full	5260	0.00	0.00			8.48	11.00		1.35			Pass
				26/0		0.00	0.00			8.20	11.00		1.35			Pass
				52/37		0.00	0.00			8.40	11.00		1.35			Pass
				106/53		0.00	0.00			8.18	11.00		1.35			Pass
HE20	MCS0	2	60	Full	5300	0.00	0.00			8.84	11.00		1.35			Pass
HE20	MCS0	2	64	Full	5320	0.00	0.00			8.02	11.00		1.35			Pass
				26/8		0.00	0.00			7.61	11.00		1.35			Pass
				52/40		0.00	0.00			7.71	11.00		1.35			Pass
				106/54		0.00	0.00			7.79	11.00		1.35			Pass
HE40	MCS0	2	54	Full	5270	0.00	0.00			5.92	11.00		1.35			Pass
				242/61		0.00	0.00			5.62	11.00		1.35			Pass
HE40	MCS0	2	62	Full	5310	0.00	0.00			3.67	11.00		1.35			Pass
				242/62		0.00	0.00			3.23	11.00		1.35			Pass
HE80	MCS0	2	58	Full	5290	0.00	0.00			0.09	11.00		1.35			Pass
				484/65		0.00	0.00			-0.34	11.00		1.35			Pass
				484/66		0.00	0.00			-0.40	11.00		1.35			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	100	5500	17.18	17.03	32.25	21.30	23.31		29.31		23.98		
11a	6Mbps	2	116	5580	17.08	16.88	26.65	20.10	23.27		29.27		23.98		
11a	6Mbps	2	140	5700	16.98	17.03	21.50	20.40	23.30		29.30		23.98		
11a	6Mbps	2	144	5720	17.03	16.93	22.25	20.60	23.29		29.29		23.98		
HE20	MCS0	2	100	5500	19.38	19.28	23.40	22.30	23.85		29.85		23.98		
HE20	MCS0	2	116	5580	19.33	19.23	24.80	22.40	23.84		29.84		23.98		
HE20	MCS0	2	140	5700	19.23	19.38	27.85	22.55	23.84		29.84		23.98		
HE20	MCS0	2	144	5720	19.23	19.33	29.50	22.75	23.84		29.84		23.98		
HE40	MCS0	2	102	5510	37.96	37.86	41.49	41.31	23.98		30.00		23.98		
HE40	MCS0	2	110	5550	38.06	37.86	60.30	41.49	23.98		30.00		23.98		
HE40	MCS0	2	134	5670	37.86	37.96	41.40	41.31	23.98		30.00		23.98		
HE40	MCS0	2	142	5710	37.86	37.96	41.49	41.49	23.98		30.00		23.98		
HE80	MCS0	2	106	5530	77.08	77.08	82.24	81.76	23.98		30.00		23.98		
HE80	MCS0	2	122	5610	77.20	77.32	81.76	82.24	23.98		30.00		23.98		
HE80	MCS0	2	138	5690	77.20	77.20	82.40	82.40	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

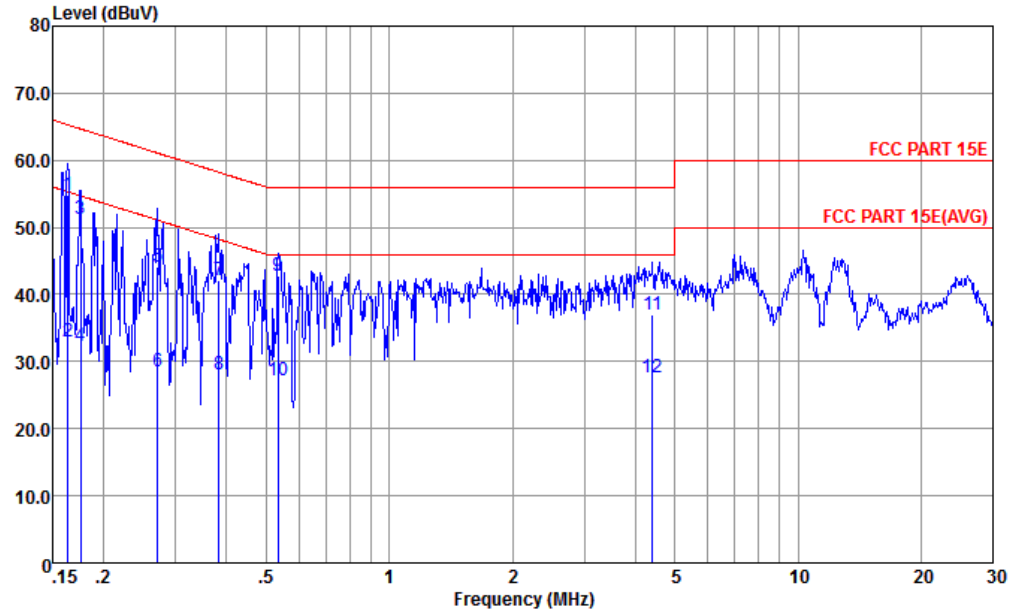
FCC Band III																
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	Full	5500	0.04	0.04	19.14	19.13	22.14	23.98		0.50		26.99	Pass
11a	6Mbps	2	116	Full	5580	0.04	0.04	19.21	18.76	22.00	23.98		0.50		26.99	Pass
11a	6Mbps	2	140	Full	5700	0.04	0.04	18.00	18.56	21.30	23.98		0.50		26.99	Pass
11a	6Mbps	2	144	Full	5720	0.04	0.04	19.20	19.25	22.23	23.98		0.50		26.99	Pass
HT20	MCS0	2	100	Full	5500	0.00	0.00	18.41	18.45	21.44	23.98		0.50		26.99	Pass
HT20	MCS0	2	116	Full	5580	0.00	0.00	19.00	18.52	21.78	23.98		0.50		26.99	Pass
HT20	MCS0	2	140	Full	5700	0.00	0.00	17.37	17.92	20.66	23.98		0.50		26.99	Pass
HT20	MCS0	2	144	Full	5720	0.00	0.00	19.07	19.00	22.05	23.98		0.50		26.99	Pass
HT40	MCS0	2	102	Full	5510	0.00	0.00	16.81	16.66	19.75	23.98		0.50		26.99	Pass
HT40	MCS0	2	110	Full	5550	0.00	0.00	19.62	18.81	22.24	23.98		0.50		26.99	Pass
HT40	MCS0	2	134	Full	5670	0.00	0.00	18.66	19.41	22.06	23.98		0.50		26.99	Pass
HT40	MCS0	2	142	Full	5710	0.00	0.00	19.04	19.23	22.15	23.98		0.50		26.99	Pass
VHT20	MCS0	2	100	Full	5500	0.00	0.00	18.40	18.44	21.43	23.98		0.50		26.99	Pass
VHT20	MCS0	2	116	Full	5580	0.00	0.00	18.88	18.46	21.69	23.98		0.50		26.99	Pass
VHT20	MCS0	2	140	Full	5700	0.00	0.00	17.37	17.88	20.64	23.98		0.50		26.99	Pass
VHT20	MCS0	2	144	Full	5720	0.00	0.00	18.95	18.98	21.98	23.98		0.50		26.99	Pass
VHT40	MCS0	2	102	Full	5510	0.00	0.00	16.79	16.62	19.72	23.98		0.50		26.99	Pass
VHT40	MCS0	2	110	Full	5550	0.00	0.00	19.60	18.78	22.22	23.98		0.50		26.99	Pass
VHT40	MCS0	2	134	Full	5670	0.00	0.00	18.63	19.38	22.03	23.98		0.50		26.99	Pass
VHT40	MCS0	2	142	Full	5710	0.00	0.00	19.02	19.18	22.11	23.98		0.50		26.99	Pass
VHT80	MCS0	2	106	Full	5530	0.00	0.00	16.68	16.15	19.43	23.98		0.50		26.99	Pass
VHT80	MCS0	2	122	Full	5610	0.00	0.00	18.84	19.45	22.17	23.98		0.50		26.99	Pass
VHT80	MCS0	2	138	Full	5690	0.00	0.00	19.11	19.65	22.40	23.98		0.50		26.99	Pass
HE20	MCS0	2	100	Full	5500	0.00	0.00	18.43	18.54	21.50	23.98		0.50		26.99	Pass
				26/0		0.00	0.00	10.25	9.76	13.02	23.98		0.50		26.99	Pass
				52/37		0.00	0.00	13.20	12.51	15.88	23.98		0.50		26.99	Pass
				106/53		0.00	0.00	16.19	15.54	18.89	23.98		0.50		26.99	Pass
			116	Full	5580	0.00	0.00	19.07	18.72	21.91	23.98		0.50		26.99	Pass
			140	Full	5700	0.00	0.00	17.41	18.06	20.76	23.98		0.50		26.99	Pass
				26/8		0.00	0.00	8.15	9.98	12.17	23.98		0.50		26.99	Pass
				52/40		0.00	0.00	10.87	13.00	15.07	23.98		0.50		26.99	Pass
				106/54		0.00	0.00	13.58	15.68	17.77	23.98		0.50		26.99	Pass
			144	Full	5720	0.00	0.00	19.08	19.18	22.14	23.98		0.50		26.99	Pass
				26/8		0.00	0.00	9.48	10.82	13.21	23.98		0.50		26.99	Pass
				52/40		0.00	0.00	11.94	13.82	15.99	23.98		0.50		26.99	Pass
				106/54		0.00	0.00	15.28	16.87	19.16	23.98		0.50		26.99	Pass
HE40	MCS0	2	102	Full	5510	0.00	0.00	16.84	16.69	19.78	23.98		0.50		26.99	Pass
				242/61		0.00	0.00	15.32	14.58	17.98	23.98		0.50		26.99	Pass
			110	Full	5550	0.00	0.00	19.64	18.86	22.28	23.98		0.50		26.99	Pass
			134	Full	5670	0.00	0.00	18.68	19.53	22.14	23.98		0.50		26.99	Pass
				242/62		0.00	0.00	15.72	17.83	19.91	23.98		0.50		26.99	Pass
			142	Full	5710	0.00	0.00	19.06	19.32	22.20	23.98		0.50		26.99	Pass
				242/62		0.00	0.00	15.91	17.66	19.88	23.98		0.50		26.99	Pass
HE80	MCS0	2	106	Full	5530	0.00	0.00	16.77	16.19	19.50	23.98		0.50		26.99	Pass
				484/65		0.00	0.00	15.53	14.47	18.04	23.98		0.50		26.99	Pass
			122	Full	5610	0.00	0.00	18.91	19.46	22.20	23.98		0.50		26.99	Pass
				484/66		0.00	0.00	16.32	17.29	19.84	23.98		0.50		26.99	Pass
			138	Full	5690	0.00	0.00	19.15	19.68	22.43	23.98		0.50		26.99	Pass
				484/66		0.00	0.00	15.83	17.64	19.84	23.98		0.50		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III																
Mod.	Data Rate	NTX	CH.		Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	Full	5500	0.04	0.04			10.26	11.00		2.66			Pass
11a	6Mbps	2	116	Full	5580	0.04	0.04			9.71	11.00		2.66			Pass
11a	6Mbps	2	140	Full	5700	0.04	0.04			9.04	11.00		2.66			Pass
11a	6Mbps	2	144	Full	5720	0.04	0.04			9.64	11.00		2.66			Pass
HE20	MCS0	2	100	Full	5500	0.00	0.00			9.29	11.00		2.66			Pass
				26/0		0.00	0.00			9.14	11.00		2.66			Pass
				52/37		0.00	0.00			9.06	11.00		2.66			Pass
				106/53		0.00	0.00			9.10	11.00		2.66			Pass
HE20	MCS0	2	116	Full	5580	0.00	0.00			9.41	11.00		2.66			Pass
HE20	MCS0	2	140	Full	5700	0.00	0.00			8.08	11.00		2.66			Pass
				26/8		0.00	0.00			8.06	11.00		2.66			Pass
				52/40		0.00	0.00			8.06	11.00		2.66			Pass
				106/54		0.00	0.00			7.80	11.00		2.66			Pass
HE20	MCS0	2	144	Full	5720	0.00	0.00			9.20	11.00		2.66			Pass
				26/8		0.00	0.00			9.10	11.00		2.66			Pass
				52/40		0.00	0.00			8.93	11.00		2.66			Pass
				106/54		0.00	0.00			9.11	11.00		2.66			Pass
HE40	MCS0	2	102	Full	5510	0.00	0.00			4.85	11.00		2.66			Pass
				242/61		0.00	0.00			4.43	11.00		2.66			Pass
HE40	MCS0	2	110	Full	5550	0.00	0.00			7.14	11.00		2.66			Pass
HE40	MCS0	2	134	Full	5670	0.00	0.00			6.50	11.00		2.66			Pass
				242/62		0.00	0.00			6.34	11.00		2.66			Pass
HE40	MCS0	2	142	Full	5710	0.00	0.00			6.41	11.00		2.66			Pass
				242/62		0.00	0.00			6.30	11.00		2.66			Pass
HE80	MCS0	2	106	Full	5530	0.00	0.00			1.73	11.00		2.66			Pass
				484/65		0.00	0.00			1.60	11.00		2.66			Pass
HE80	MCS0	2	122	Full	5610	0.00	0.00			3.72	11.00		2.66			Pass
				484/66		0.00	0.00			3.33	11.00		2.66			Pass
HE80	MCS0	2	138	Full	5690	0.00	0.00			3.75	11.00		2.66			Pass
				484/66		0.00	0.00			3.39	11.00		2.66			Pass

Appendix B. AC Conducted Emission Test Results

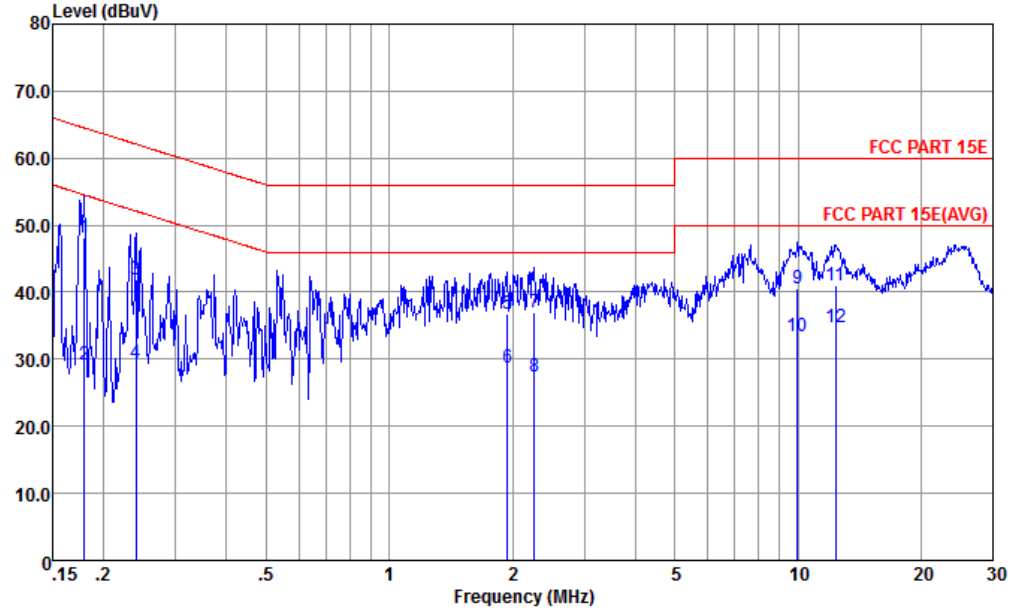
Test Engineer :	Amos Zhang	**Temperature :**	25.3~26.2℃
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



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	*	0.163	54.79	-10.51	65.30	34.70	9.64	10.45	QP
2		0.163	32.99	-22.31	55.30	12.90	9.64	10.45	Average
3		0.176	51.26	-13.42	64.68	31.20	9.64	10.42	QP
4		0.176	32.26	-22.42	54.68	12.20	9.64	10.42	Average
5		0.272	44.16	-16.91	61.07	24.20	9.64	10.32	QP
6		0.272	28.56	-22.51	51.07	8.60	9.64	10.32	Average
7		0.383	42.12	-16.09	58.21	22.20	9.65	10.27	QP
8		0.383	28.02	-20.19	48.21	8.10	9.65	10.27	Average
9		0.535	42.69	-13.31	56.00	22.80	9.65	10.24	QP
10		0.535	27.19	-18.81	46.00	7.30	9.65	10.24	Average
11		4.407	37.06	-18.94	56.00	16.60	10.20	10.26	QP
12		4.407	27.58	-18.42	46.00	7.12	10.20	10.26	Average

Test Engineer :	Amos Zhang	**Temperature :**	25.3~26.2℃
		Relative Humidity :	38~40%
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	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.180	48.06	-16.44	64.50	27.79	9.86	10.41	QP
2	0.180	29.16	-25.34	54.50	8.89	9.86	10.41	Average
3	0.240	41.78	-20.30	62.08	21.59	9.85	10.34	QP
4	0.240	29.38	-22.70	52.08	9.19	9.85	10.34	Average
5	1.949	36.75	-19.25	56.00	16.60	9.92	10.23	QP
6	1.949	28.75	-17.25	46.00	8.60	9.92	10.23	Average
7	2.261	37.00	-19.00	56.00	16.80	9.97	10.23	QP
8	2.261	27.50	-18.50	46.00	7.30	9.97	10.23	Average
9	9.966	40.49	-19.51	60.00	19.60	10.55	10.34	QP
10	9.966	33.49	-16.51	50.00	12.60	10.55	10.34	Average
11	12.384	41.08	-18.92	60.00	19.90	10.81	10.37	QP
12 *	12.384	34.81	-15.19	50.00	13.63	10.81	10.37	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

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		5149.28	59.67	-14.33	74	44.06	34.62	11.6	30.61	100	111	P	H
		5150	49.63	-4.37	54	34.02	34.62	11.6	30.61	100	111	A	H
	*	5176	109.32	-	-	93.64	34.67	11.63	30.62	100	111	P	H
		5176	102.32	-	-	86.64	34.67	11.63	30.62	100	111	A	H
		5148	59.29	-14.71	74	43.68	34.62	11.6	30.61	361	354	P	V
		5148.48	48.57	-5.43	54	32.96	34.62	11.6	30.61	361	354	A	V
	*	5182	110.4	-	-	94.72	34.67	11.63	30.62	361	354	P	V
		5182	103.57	-	-	87.89	34.67	11.63	30.62	361	354	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		10358.36	43.11	-25.19	68.3	49.28	37.58	16.93	60.68	300	0	P	H
		10358.36	46.2	-22.1	68.3	52.37	37.58	16.93	60.68	300	0	P	V
802.11a CH 44 5220MHz		10438.44	43.85	-24.45	68.3	49.83	37.65	17.03	60.66	300	0	P	H
		10438.44	47.2	-21.1	68.3	53.18	37.65	17.03	60.66	300	0	P	V
802.11a CH 48 5240MHz		10478.47	43.99	-24.31	68.3	49.86	37.69	17.09	60.65	300	0	P	H
		10478.47	46.39	-21.91	68.3	52.26	37.69	17.09	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 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		5147.2	63.82	-10.18	74	48.21	34.62	11.6	30.61	100	113	P	H
		5150	49.62	-4.38	54	34.01	34.62	11.6	30.61	100	113	A	H
	*	5176	109.55	-	-	93.87	34.67	11.63	30.62	100	113	P	H
		5176	101.27	-	-	85.59	34.67	11.63	30.62	100	113	A	H
		5146.4	58.78	-15.22	74	43.17	34.62	11.6	30.61	360	0	P	V
		5148.8	48.02	-5.98	54	32.41	34.62	11.6	30.61	360	0	A	V
	*	5176	109.39	-	-	93.71	34.67	11.63	30.62	360	0	P	V
		5176	102.15	-	-	86.47	34.67	11.63	30.62	360	0	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		10358.36	43.41	-24.89	68.3	49.58	37.58	16.93	60.68	300	0	P	H
		10358.36	44.81	-23.49	68.3	50.98	37.58	16.93	60.68	300	0	P	V
802.11ax HE20 Full CH 44 5220MHz		10438.44	45.04	-23.26	68.3	51.02	37.65	17.03	60.66	300	0	P	H
		10438.44	46	-22.3	68.3	51.98	37.65	17.03	60.66	300	0	P	V
802.11ax HE20 Full CH 48 5240MHz		10478.47	44.42	-23.88	68.3	50.29	37.69	17.09	60.65	300	0	P	H
		10478.47	44.64	-23.66	68.3	50.51	37.69	17.09	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		5149.12	66.01	-7.99	74	50.4	34.62	11.6	30.61	100	112	P	H
		5149.99	47.1	-6.9	54	31.49	34.62	11.6	30.61	100	112	A	H
		5170	113.47	-	-	97.83	34.65	11.61	30.62	100	112	P	H
		5170	107.7	-	-	92.06	34.65	11.61	30.62	100	112	A	H
		5148.96	64.62	-9.38	74	49.01	34.62	11.6	30.61	301	42	P	V
		5149.89	47.15	-6.85	54	31.54	34.62	11.6	30.61	301	42	A	V
		5170	115.99	-	-	100.35	34.65	11.61	30.62	301	42	P	V
		5170	108.83	-	-	93.19	34.65	11.61	30.62	301	42	A	V
802.11ax HE20 Partial 26/8 CH 48 5240MHz		5371.92	55.4	-18.6	74	39.57	34.7	11.82	30.69	300	106	P	H
		5392.98	45.66	-8.34	54	29.81	34.7	11.84	30.69	300	106	A	H
		5248	113.65	-	-	97.9	34.7	11.7	30.65	300	106	P	H
		5248	107.01	-	-	91.26	34.7	11.7	30.65	300	106	A	H
		5395.5	56.82	-17.18	74	40.95	34.7	11.86	30.69	298	351	P	V
		5392.08	45.47	-8.53	54	29.62	34.7	11.84	30.69	298	351	A	V
		5248	118.72	-	-	102.97	34.7	11.7	30.65	298	351	P	V
		5248	111.66	-	-	95.91	34.7	11.7	30.65	298	351	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)
		5145.76	61.47	-12.53	74	45.86	34.62	11.6	30.61	115	115	P	H
802.11ax		5149.76	46.72	-7.28	54	31.11	34.62	11.6	30.61	115	115	A	H
HE20		5170	112.05	-	-	96.41	34.65	11.61	30.62	115	115	P	H
Partial		5170	105.17	-	-	89.53	34.65	11.61	30.62	115	115	A	H
52/37		5147.36	63.79	-10.21	74	48.18	34.62	11.6	30.61	271	36	P	V
CH 36		5149.6	46.9	-7.1	54	31.29	34.62	11.6	30.61	271	36	A	V
5180MHz		5176	113.43	-	-	97.75	34.67	11.63	30.62	271	36	P	V
		5176	106.58	-	-	90.9	34.67	11.63	30.62	271	36	A	V
		5369.94	56.31	-17.69	74	40.48	34.7	11.82	30.69	108	112	P	H
802.11ax		5392.44	45.96	-8.04	54	30.11	34.7	11.84	30.69	108	112	A	H
HE20		5248	115.77	-	-	100.02	34.7	11.7	30.65	108	112	P	H
Partial		5248	107.8	-	-	92.05	34.7	11.7	30.65	108	112	A	H
52/40		5372.64	55.85	-18.15	74	40.02	34.7	11.82	30.69	331	354	P	V
CH 48		5392.62	45.73	-8.27	54	29.88	34.7	11.84	30.69	331	354	A	V
5240MHz		5248	117.49	-	-	101.74	34.7	11.7	30.65	331	354	P	V
		5248	109.76	-	-	94.01	34.7	11.7	30.65	331	354	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		5148.8	61.37	-12.63	74	45.76	34.62	11.6	30.61	100	115	P	H
		5149.98	47.75	-6.25	54	32.14	34.62	11.6	30.61	100	115	A	H
		5176	109.02	-	-	93.34	34.67	11.63	30.62	100	115	P	H
		5176	102.06	-	-	86.38	34.67	11.63	30.62	100	115	A	H
		5149.44	62.39	-11.61	74	46.78	34.62	11.6	30.61	271	39	P	V
		5149.98	48.19	-5.81	54	32.58	34.62	11.6	30.61	271	39	A	V
		5176	112.15	-	-	96.47	34.67	11.63	30.62	271	39	P	V
		5176	104.5	-	-	88.82	34.67	11.63	30.62	271	39	A	V
802.11ax HE20 Partial 106/54 CH 48 5240MHz		5389.92	55.92	-18.08	74	40.07	34.7	11.84	30.69	101	114	P	H
		5399.46	45.74	-8.26	54	29.88	34.7	11.86	30.7	101	114	A	H
		5242	110.6	-	-	94.84	34.7	11.7	30.64	101	114	P	H
		5242	102.79	-	-	87.03	34.7	11.7	30.64	101	114	A	H
		5398.2	55.6	-18.4	74	39.73	34.7	11.86	30.69	299	352	P	V
		5393.7	45.7	-8.3	54	29.85	34.7	11.84	30.69	299	352	A	V
		5242	115.08	-	-	99.32	34.7	11.7	30.64	299	352	P	V
		5242	106.82	-	-	91.06	34.7	11.7	30.64	299	352	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		5145.28	63.99	-10.01	74	48.38	34.62	11.6	30.61	100	110	P	H
		5147.84	49.83	-4.17	54	34.22	34.62	11.6	30.61	100	110	A	H
	*	5188	106.51	-	-	90.83	34.67	11.63	30.62	100	110	P	H
		5188	97.74	-	-	82.06	34.67	11.63	30.62	100	110	A	H
		5350.86	56.04	-17.96	74	40.22	34.7	11.8	30.68	100	110	P	H
		5398.56	45.72	-8.28	54	29.86	34.7	11.86	30.7	100	110	A	H
		5147.2	62.97	-11.03	74	47.36	34.62	11.6	30.61	340	352	P	V
		5148.48	50.02	-3.98	54	34.41	34.62	11.6	30.61	340	352	A	V
	*	5188	108.1	-	-	92.42	34.67	11.63	30.62	340	352	P	V
		5188	100.01	-	-	84.33	34.67	11.63	30.62	340	352	A	V
		5398.92	56.93	-17.07	74	41.07	34.7	11.86	30.7	340	352	P	V
		5400	45.73	-8.27	54	29.87	34.7	11.86	30.7	340	352	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		10378.38	43.49	-24.81	68.3	49.58	37.61	16.97	60.67	300	0	P	H
		10378.38	44.04	-24.26	68.3	50.13	37.61	16.97	60.67	300	0	P	V
802.11ax HE40 Full CH 46 5230MHz		10458.46	43.6	-24.7	68.3	49.55	37.66	17.05	60.66	100	360	P	H
		10458.46	43.73	-24.57	68.3	49.68	37.66	17.05	60.66	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 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		5148.8	62.09	-11.91	74	46.48	34.62	11.6	30.61	114	112	P	H
		5149.76	48.5	-5.5	54	32.89	34.62	11.6	30.61	114	112	A	H
		5188	107.19	-	-	91.51	34.67	11.63	30.62	114	112	P	H
		5188	97.59	-	-	81.91	34.67	11.63	30.62	114	112	A	H
		5389.02	55.54	-18.46	74	39.69	34.7	11.84	30.69	114	112	P	H
		5398.74	45.99	-8.01	54	30.13	34.7	11.86	30.7	114	112	A	H
		5143.68	68.37	-5.63	74	52.76	34.62	11.6	30.61	343	347	P	V
		5149.76	50.01	-3.99	54	34.4	34.62	11.6	30.61	343	347	A	V
		5170	108.3	-	-	92.66	34.65	11.61	30.62	343	347	P	V
		5170	100.45	-	-	84.81	34.65	11.61	30.62	343	347	A	V
		5384.16	56.22	-17.78	74	40.37	34.7	11.84	30.69	343	347	P	V
		5396.22	45.92	-8.08	54	30.05	34.7	11.86	30.69	343	347	A	V
802.11ax HE40 Partial 242/62 CH 46 5230MHz		5148.8	58.17	-15.83	74	42.56	34.62	11.6	30.61	100	116	P	H
		5112.8	46.2	-7.8	54	30.66	34.58	11.56	30.6	100	116	A	H
		5242	108.67	-	-	92.91	34.7	11.7	30.64	100	116	P	H
		5242	99.43	-	-	83.67	34.7	11.7	30.64	100	116	A	H
		5361.48	56.52	-17.48	74	40.69	34.7	11.82	30.69	100	116	P	H
		5389.92	45.38	-8.62	54	29.53	34.7	11.84	30.69	100	116	A	H
		5148.96	58.59	-15.41	74	42.98	34.62	11.6	30.61	317	347	P	V
		5108.64	46.24	-7.76	54	30.7	34.58	11.56	30.6	317	347	A	V
		5236	111.82	-	-	96.08	34.7	11.68	30.64	317	347	P	V
		5236	103.29	-	-	87.55	34.7	11.68	30.64	317	347	A	V
		5396.94	55.72	-18.28	74	39.85	34.7	11.86	30.69	317	347	P	V
		5398.56	45.43	-8.57	54	29.57	34.7	11.86	30.7	317	347	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		5146.56	62.95	-11.05	74	47.34	34.62	11.6	30.61	100	110	P	H
		5141.6	50.14	-3.86	54	34.53	34.62	11.6	30.61	100	110	A	H
	*	5218	102.34	-	-	86.6	34.7	11.67	30.63	100	110	P	H
		5218	94.45	-	-	78.71	34.7	11.67	30.63	100	110	A	H
		5376.78	55.46	-18.54	74	39.63	34.7	11.82	30.69	100	110	P	H
		5396.94	45.83	-8.17	54	29.96	34.7	11.86	30.69	100	110	A	H
		5149.12	59.35	-14.65	74	43.74	34.62	11.6	30.61	357	353	P	V
		5150	48.58	-5.42	54	32.97	34.62	11.6	30.61	357	353	A	V
	*	5230	105.81	-	-	90.07	34.7	11.68	30.64	357	353	P	V
		5230	96.83	-	-	81.09	34.7	11.68	30.64	357	353	A	V
		5395.86	55.81	-18.19	74	39.94	34.7	11.86	30.69	357	353	P	V
		5393.88	45.9	-8.1	54	30.05	34.7	11.84	30.69	357	353	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		10418.42	43.95	-24.35	68.3	49.98	37.63	17.01	60.67	100	360	P	H
		10418.42	43.8	-24.5	68.3	49.83	37.63	17.01	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 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		5149.76	66.85	-7.15	74	51.24	34.62	11.6	30.61	113	246	P	H
		5149.44	49.63	-4.37	54	34.02	34.62	11.6	30.61	113	246	A	H
		5176	102.32	-	-	86.64	34.67	11.63	30.62	113	246	P	H
		5176	95.34	-	-	79.66	34.67	11.63	30.62	113	246	A	H
		5380.38	55.91	-18.09	74	40.06	34.7	11.84	30.69	113	246	P	H
		5395.86	46.07	-7.93	54	30.2	34.7	11.86	30.69	113	246	A	H
		5146.24	68.94	-5.06	74	53.33	34.62	11.6	30.61	321	348	P	V
		5149.76	49.06	-4.94	54	33.45	34.62	11.6	30.61	321	348	A	V
		5194	106.19	-	-	90.47	34.7	11.65	30.63	321	348	P	V
		5194	98.74	-	-	83.02	34.7	11.65	30.63	321	348	A	V
		5373.9	56.28	-17.72	74	40.45	34.7	11.82	30.69	321	348	P	V
		5394.06	45.95	-8.05	54	30.1	34.7	11.84	30.69	321	348	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2A - 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		5350.4	58.05	-15.95	74	42.23	34.7	11.8	30.68	108	247	P	H
		5350	47.87	-6.13	54	32.05	34.7	11.8	30.68	108	247	A	H
	*	5320	109.74	-	-	93.94	34.7	11.77	30.67	108	247	P	H
		5320	102.39	-	-	86.59	34.7	11.77	30.67	108	247	A	H
		5350.3	59.31	-14.69	74	43.49	34.7	11.8	30.68	325	359	P	V
		5350	49.34	-4.66	54	33.52	34.7	11.8	30.68	325	359	A	V
	*	5326	111.79	-	-	95.99	34.7	11.77	30.67	325	359	P	V
		5326	104.76	-	-	88.96	34.7	11.77	30.67	325	359	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2A 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		10518.52	45.02	-23.28	68.3	50.84	37.71	17.12	60.65	300	0	P	H
		10518.52	47.52	-20.78	68.3	53.34	37.71	17.12	60.65	300	0	P	V
802.11a CH 60 5300MHz		10600.01	43.96	-30.04	74	49.68	37.74	17.17	60.63	300	0	P	H
		10600.01	45.32	-28.68	74	51.04	37.74	17.17	60.63	300	0	P	V
802.11a CH 64 5320MHz		10638.63	43.84	-30.16	74	49.5	37.76	17.2	60.62	300	0	P	H
		10638.63	46.95	-27.05	74	52.61	37.76	17.2	60.62	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2A 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)
		5350.6	59.72	-14.28	74	43.9	34.7	11.8	30.68	100	113	P	H
		5350	49.47	-4.53	54	33.65	34.7	11.8	30.68	100	113	A	H
802.11ax	*	5320	108.97	-	-	93.17	34.7	11.77	30.67	100	113	P	H
HE20 Full		5320	101.46	-	-	85.66	34.7	11.77	30.67	100	113	A	H
CH 64		5350	60.61	-13.39	74	44.79	34.7	11.8	30.68	324	0	P	V
5320MHz		5350	49.28	-4.72	54	33.46	34.7	11.8	30.68	324	0	A	V
	*	5314	111.44	-	-	95.64	34.7	11.77	30.67	324	0	P	V
		5314	103.42	-	-	87.62	34.7	11.77	30.67	324	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2A 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		10518.52	45.44	-22.86	68.3	51.26	37.71	17.12	60.65	300	0	P	H
		10518.52	45.06	-23.24	68.3	50.88	37.71	17.12	60.65	300	0	P	V
802.11ax HE20 Full CH 60 5300MHz		10600.01	44.14	-29.86	74	49.86	37.74	17.17	60.63	300	0	P	H
		10600.01	44.34	-29.66	74	50.06	37.74	17.17	60.63	300	0	P	V
802.11ax HE20 Full CH 64 5320MHz		10638.63	45	-29	74	50.66	37.76	17.2	60.62	100	360	P	H
		10638.63	44.95	-29.05	74	50.61	37.76	17.2	60.62	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2A 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 26/0 CH 52 5260MHz		5122.24	56.93	-17.07	74	41.39	34.58	11.56	30.6	100	115	P	H
		5106.88	46.44	-7.56	54	30.9	34.58	11.56	30.6	100	115	A	H
		5254	115.43	-	-	99.68	34.7	11.7	30.65	100	115	P	H
		5254	108.09	-	-	92.34	34.7	11.7	30.65	100	115	A	H
		5131.04	56.39	-17.61	74	40.81	34.6	11.58	30.6	315	351	P	V
		5108	46.46	-7.54	54	30.92	34.58	11.56	30.6	315	351	A	V
		5254	118.7	-	-	102.95	34.7	11.7	30.65	315	351	P	V
		5254	112.03	-	-	96.28	34.7	11.7	30.65	315	351	A	V
802.11ax HE20 Partial 26/8 CH 64 5320MHz		5350.6	68.09	-5.91	74	52.27	34.7	11.8	30.68	100	116	P	H
		5350	47.35	-6.65	54	31.53	34.7	11.8	30.68	100	116	A	H
		5326	115.7	-	-	99.9	34.7	11.77	30.67	100	116	P	H
		5326	109.67	-	-	93.87	34.7	11.77	30.67	100	116	A	H
		5350.1	71	-3	74	55.18	34.7	11.8	30.68	326	356	P	V
		5350	47.83	-6.17	54	32.01	34.7	11.8	30.68	326	356	A	V
		5326	119.98	-	-	104.18	34.7	11.77	30.67	326	356	P	V
		5326	113.17	-	-	97.37	34.7	11.77	30.67	326	356	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2A 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)
		5124.96	56.77	-17.23	74	41.19	34.6	11.58	30.6	100	112	P	H
802.11ax		5107.36	46.54	-7.46	54	31	34.58	11.56	30.6	100	112	A	H
HE20		5254	112.43	-	-	96.68	34.7	11.7	30.65	100	112	P	H
Partial		5254	105.52	-	-	89.77	34.7	11.7	30.65	100	112	A	H
52/37		5132.32	57.37	-16.63	74	41.79	34.6	11.58	30.6	331	345	P	V
CH 52		5108.8	46.55	-7.45	54	31.01	34.58	11.56	30.6	331	345	A	V
5260MHz		5254	117.63	-	-	101.88	34.7	11.7	30.65	331	345	P	V
		5254	109.7	-	-	93.95	34.7	11.7	30.65	331	345	A	V
		5353.6	65.03	-8.97	74	49.21	34.7	11.8	30.68	101	115	P	H
802.11ax		5350	47.03	-6.97	54	31.21	34.7	11.8	30.68	101	115	A	H
HE20		5326	114.59	-	-	98.79	34.7	11.77	30.67	101	115	P	H
Partial		5326	107.25	-	-	91.45	34.7	11.77	30.67	101	115	A	H
52/40		5350.9	69.54	-4.46	74	53.72	34.7	11.8	30.68	324	353	P	V
CH 64		5350	50.58	-3.42	54	34.76	34.7	11.8	30.68	324	353	A	V
5320MHz		5326	118.36	-	-	102.56	34.7	11.77	30.67	324	353	P	V
		5326	110.55	-	-	94.75	34.7	11.77	30.67	324	353	A	V

Remark

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

Band 2A 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		5126.24	56.37	-17.63	74	40.79	34.6	11.58	30.6	100	100	P	H
		5100	46.45	-7.55	54	30.96	34.55	11.54	30.6	100	100	A	H
		5260	110.06	-	-	94.29	34.7	11.72	30.65	100	100	P	H
		5260	102.5	-	-	86.73	34.7	11.72	30.65	100	100	A	H
		5135.68	56.76	-17.24	74	41.19	34.6	11.58	30.61	351	347	P	V
		5109.92	46.43	-7.57	54	30.89	34.58	11.56	30.6	351	347	A	V
		5254	114.76	-	-	99.01	34.7	11.7	30.65	351	347	P	V
		5254	106.85	-	-	91.1	34.7	11.7	30.65	351	347	A	V
802.11ax HE20 Partial 106/54 CH 64 5320MHz		5359.2	61.11	-12.89	74	45.29	34.7	11.8	30.68	100	114	P	H
		5350	47.42	-6.58	54	31.6	34.7	11.8	30.68	100	114	A	H
		5326	113.29	-	-	97.49	34.7	11.77	30.67	100	114	P	H
		5326	104.45	-	-	88.65	34.7	11.77	30.67	100	114	A	H
		5350.6	69.67	-4.33	74	53.85	34.7	11.8	30.68	343	350	P	V
		5350	50.07	-3.93	54	34.25	34.7	11.8	30.68	343	350	A	V
		5326	115.23	-	-	99.43	34.7	11.77	30.67	343	350	P	V
		5326	107.17	-	-	91.37	34.7	11.77	30.67	343	350	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2A 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		5125.6	57.18	-16.82	74	41.6	34.6	11.58	30.6	106	114	P	H
		5100.8	46.69	-7.31	54	31.2	34.55	11.54	30.6	106	114	A	H
	*	5296	104.97	-	-	89.18	34.7	11.75	30.66	106	114	P	H
		5296	96.98	-	-	81.19	34.7	11.75	30.66	106	114	A	H
		5350.4	63.06	-10.94	74	47.24	34.7	11.8	30.68	106	114	P	H
		5350.1	49.82	-4.18	54	34	34.7	11.8	30.68	106	114	A	H
		5122.72	57.02	-16.98	74	41.44	34.6	11.58	30.6	342	0	P	V
		5109.44	46.71	-7.29	54	31.17	34.58	11.56	30.6	342	0	A	V
	*	5308	107.97	-	-	92.19	34.7	11.75	30.67	342	0	P	V
		5308	99.56	-	-	83.78	34.7	11.75	30.67	342	0	A	V
		5359.2	61.28	-12.72	74	45.46	34.7	11.8	30.68	342	0	P	V
		5350	50.13	-3.87	54	34.31	34.7	11.8	30.68	342	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2A 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		10538.54	44.67	-23.63	68.3	50.47	37.71	17.13	60.64	100	360	P	H
		10538.54	44.75	-23.55	68.3	50.55	37.71	17.13	60.64	100	360	P	V
802.11ax HE40 Full CH 62 5310MHz		10618.62	43.95	-30.05	74	49.64	37.75	17.18	60.62	100	360	P	H
		10618.62	43.51	-30.49	74	49.2	37.75	17.18	60.62	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2A 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		5138.4	56.12	-17.88	74	40.55	34.6	11.58	30.61	110	111	P	H
		5100.16	46.22	-7.78	54	30.73	34.55	11.54	30.6	110	111	A	H
		5266	108.6	-	-	92.83	34.7	11.72	30.65	110	111	P	H
		5266	100.44	-	-	84.67	34.7	11.72	30.65	110	111	A	H
		5351.3	61.31	-12.69	74	45.49	34.7	11.8	30.68	110	111	P	H
		5350.6	45.51	-8.49	54	29.69	34.7	11.8	30.68	110	111	A	H
		5109.12	57.06	-16.94	74	41.52	34.58	11.56	30.6	351	354	P	V
		5104	46.22	-7.78	54	30.73	34.55	11.54	30.6	351	354	A	V
		5266	111.05	-	-	95.28	34.7	11.72	30.65	351	354	P	V
		5266	102.95	-	-	87.18	34.7	11.72	30.65	351	354	A	V
		5370.5	57.81	-16.19	74	41.98	34.7	11.82	30.69	351	354	P	V
		5396.7	45.39	-8.61	54	29.52	34.7	11.86	30.69	351	354	A	V
802.11ax HE40 Partial 242/62 CH 62 5310MHz		5105.28	57.19	-16.81	74	41.7	34.55	11.54	30.6	100	118	P	H
		5111.36	46.77	-7.23	54	31.23	34.58	11.56	30.6	100	118	A	H
		5326	106.4	-	-	90.6	34.7	11.77	30.67	100	118	P	H
		5326	98.42	-	-	82.62	34.7	11.77	30.67	100	118	A	H
		5351.2	62.08	-11.92	74	46.26	34.7	11.8	30.68	100	118	P	H
		5350.2	50.68	-3.32	54	34.86	34.7	11.8	30.68	100	118	A	H
		5107.84	56.83	-17.17	74	41.29	34.58	11.56	30.6	345	355	P	V
		5101.44	46.81	-7.19	54	31.32	34.55	11.54	30.6	345	355	A	V
		5326	110.55	-	-	94.75	34.7	11.77	30.67	345	355	P	V
		5326	100.87	-	-	85.07	34.7	11.77	30.67	345	355	A	V
		5350.5	59.9	-14.1	74	44.08	34.7	11.8	30.68	345	355	P	V
		5350.7	50.06	-3.94	54	34.24	34.7	11.8	30.68	345	355	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2A 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		5107.68	56.99	-17.01	74	41.45	34.58	11.56	30.6	100	111	P	H
		5114.4	46.78	-7.22	54	31.24	34.58	11.56	30.6	100	111	A	H
	*	5302	103	-	-	87.21	34.7	11.75	30.66	100	111	P	H
		5302	94.01	-	-	78.22	34.7	11.75	30.66	100	111	A	H
		5355.5	66.12	-7.88	74	50.3	34.7	11.8	30.68	100	111	P	H
		5354.9	50.44	-3.56	54	34.62	34.7	11.8	30.68	100	111	A	H
		5127.84	58.18	-15.82	74	42.6	34.6	11.58	30.6	345	360	P	V
		5107.36	46.76	-7.24	54	31.22	34.58	11.56	30.6	345	360	A	V
	*	5278	104.59	-	-	88.81	34.7	11.73	30.65	345	360	P	V
		5278	96.46	-	-	80.68	34.7	11.73	30.65	345	360	A	V
		5353.6	59.78	-14.22	74	43.96	34.7	11.8	30.68	345	360	P	V
		5350	49.82	-4.18	54	34	34.7	11.8	30.68	345	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2A 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		10578.58	43.36	-24.94	68.3	49.11	37.73	17.15	60.63	100	360	P	H
		10578.58	43.91	-24.39	68.3	49.66	37.73	17.15	60.63	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2A 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		5108	55.91	-18.09	74	40.37	34.58	11.56	30.6	100	108	P	H
		5100.8	46.77	-7.23	54	31.28	34.55	11.54	30.6	100	108	A	H
		5320	103.98	-	-	88.18	34.7	11.77	30.67	100	108	P	H
		5320	96.82	-	-	81.02	34.7	11.77	30.67	100	108	A	H
		5374.3	68.21	-5.79	74	52.38	34.7	11.82	30.69	100	108	P	H
		5350.9	48.85	-5.15	54	33.03	34.7	11.8	30.68	100	108	A	H
		5109.12	56.9	-17.1	74	41.36	34.58	11.56	30.6	324	354	P	V
		5107.68	46.75	-7.25	54	31.21	34.58	11.56	30.6	324	354	A	V
		5302	106.55	-	-	90.76	34.7	11.75	30.66	324	354	P	V
		5302	97.87	-	-	82.08	34.7	11.75	30.66	324	354	A	V
		5353.4	67.7	-6.3	74	51.88	34.7	11.8	30.68	324	354	P	V
		5350	48.8	-5.2	54	32.98	34.7	11.8	30.68	324	354	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C - 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		5455.12	56.29	-17.71	74	40.39	34.7	11.91	30.71	100	112	P	H
		5468.4	64.29	-4.01	68.3	48.38	34.7	11.93	30.72	100	112	P	H
		5458.8	46.63	-7.37	54	30.74	34.7	11.91	30.72	100	112	A	H
	*	5494	111.56	-	-	95.65	34.7	11.94	30.73	100	112	P	H
		5494	104.59	-	-	88.68	34.7	11.94	30.73	100	112	A	H
		5359.6	56.87	-17.13	74	41.05	34.7	11.8	30.68	340	2	P	V
		5468.88	60.14	-8.16	68.3	44.23	34.7	11.93	30.72	340	2	P	V
		5458.64	46.33	-7.67	54	30.44	34.7	11.91	30.72	340	2	A	V
		5500	109.74	-	-	93.81	34.7	11.96	30.73	340	2	P	V
		5500	103.25	-	-	87.32	34.7	11.96	30.73	340	2	A	V
802.11a CH 140 5700MHz		5726.84	64.35	-3.95	68.3	47.94	35.08	12.15	30.82	105	136	P	H
	*	5704	112.01	-	-	95.66	35.03	12.13	30.81	105	136	P	H
		5704	104.66	-	-	88.31	35.03	12.13	30.81	105	136	A	H
		5728.84	63.47	-4.83	68.3	47.06	35.08	12.15	30.82	271	326	P	V
	*	5698	110.98	-	-	94.69	34.97	12.12	30.8	271	326	P	V
		5698	104.3	-	-	88.01	34.97	12.12	30.8	271	326	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C - 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		10999	44.67	-29.33	74	49.89	37.9	17.42	60.54	300	0	P	H
		10999	46.46	-27.54	74	51.68	37.9	17.42	60.54	300	0	P	V
802.11a CH 116 5580MHz		11159.16	46	-28	74	51.01	38	17.49	60.5	300	0	P	H
		11159.16	47.31	-26.69	74	52.32	38	17.49	60.5	300	0	P	V
802.11a CH 140 5700MHz		11399.39	45.41	-28.59	74	50.13	38.14	17.59	60.45	300	0	P	H
		11399.39	47.45	-26.55	74	52.17	38.14	17.59	60.45	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C - 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)
		5458.16	56.52	-17.48	74	40.63	34.7	11.91	30.72	100	112	P	H
		5470	65.29	-3.01	68.3	49.38	34.7	11.93	30.72	100	112	P	H
		5459.92	47.1	-6.9	54	31.21	34.7	11.91	30.72	100	112	A	H
802.11ax	*	5500	111.63	-	-	95.7	34.7	11.96	30.73	100	112	P	H
HE20 Full		5500	103.96	-	-	88.03	34.7	11.96	30.73	100	112	A	H
CH 100		5388.4	56.36	-17.64	74	40.51	34.7	11.84	30.69	339	352	P	V
5500MHz		5470	62.55	-5.75	68.3	46.64	34.7	11.93	30.72	339	352	P	V
		5459.92	46.5	-7.5	54	30.61	34.7	11.91	30.72	339	352	A	V
	*	5500	111.26	-	-	95.33	34.7	11.96	30.73	339	352	P	V
		5500	102.71	-	-	86.78	34.7	11.96	30.73	339	352	A	V
		5725.08	64.53	-3.77	68.3	48.12	35.08	12.15	30.82	100	136	P	H
802.11ax	*	5704	112.13	-	-	95.78	35.03	12.13	30.81	100	136	P	H
HE20 Full		5704	102.87	-	-	86.52	35.03	12.13	30.81	100	136	A	H
CH 140		5725.16	62.14	-6.16	68.3	45.73	35.08	12.15	30.82	348	341	P	V
5700MHz	*	5698	110.11	-	-	93.82	34.97	12.12	30.8	348	341	P	V
		5698	101.68	-	-	85.39	34.97	12.12	30.8	348	341	A	V

Remark

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

Band 2C 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		10999	44.44	-29.56	74	49.66	37.9	17.42	60.54	100	360	P	H
		10999	46.04	-27.96	74	51.26	37.9	17.42	60.54	100	360	P	V
802.11ax HE20 Full CH 116 5580MHz		11159.16	43.97	-30.03	74	48.98	38	17.49	60.5	100	360	P	H
		11159.16	45.15	-28.85	74	50.16	38	17.49	60.5	100	360	P	V
802.11ax HE20 Full CH 140 5700MHz		11399.39	44.14	-29.86	74	48.86	38.14	17.59	60.45	100	360	P	H
		11399.39	46.28	-27.72	74	51	38.14	17.59	60.45	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C 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		5443.28	55.9	-18.1	74	40.02	34.7	11.89	30.71	110	112	P	H
		5470	64.35	-3.95	68.3	48.44	34.7	11.93	30.72	110	112	P	H
		5459.92	46.16	-7.84	54	30.27	34.7	11.91	30.72	110	112	A	H
		5494	117.86	-	-	101.95	34.7	11.94	30.73	110	112	P	H
		5494	110.82	-	-	94.91	34.7	11.94	30.73	110	112	A	H
		5375.12	56.19	-17.81	74	40.36	34.7	11.82	30.69	288	35	P	V
		5464.24	62.38	-5.92	68.3	46.47	34.7	11.93	30.72	288	35	P	V
		5459.6	46.16	-7.84	54	30.27	34.7	11.91	30.72	288	35	A	V
		5494	118	-	-	102.09	34.7	11.94	30.73	288	35	P	V
		5494	110.47	-	-	94.56	34.7	11.94	30.73	288	35	A	V
802.11ax HE20 Partial 26/8 CH 140 5700MHz		5726.92	64.95	-3.35	68.3	48.54	35.08	12.15	30.82	101	113	P	H
		5710	119.59	-	-	103.24	35.03	12.13	30.81	101	113	P	H
		5710	111.58	-	-	95.23	35.03	12.13	30.81	101	113	A	H
		5730.12	60.32	-7.98	68.3	43.91	35.08	12.15	30.82	311	322	P	V
		5710	117.65	-	-	101.3	35.03	12.13	30.81	311	322	P	V
		5710	110.55	-	-	94.2	35.03	12.13	30.81	311	322	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C 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		5458.48	57.65	-16.35	74	41.76	34.7	11.91	30.72	100	113	P	H
		5469.84	63.77	-4.53	68.3	47.86	34.7	11.93	30.72	100	113	P	H
		5459.92	46.16	-7.84	54	30.27	34.7	11.91	30.72	100	113	A	H
		5494	116.75	-	-	100.84	34.7	11.94	30.73	100	113	P	H
		5494	107.7	-	-	91.79	34.7	11.94	30.73	100	113	A	H
		5362.16	56.19	-17.81	74	40.36	34.7	11.82	30.69	301	34	P	V
		5464.08	58.41	-9.89	68.3	42.5	34.7	11.93	30.72	301	34	P	V
		5459.28	46.2	-7.8	54	30.31	34.7	11.91	30.72	301	34	A	V
		5494	115.95	-	-	100.04	34.7	11.94	30.73	301	34	P	V
		5494	108.49	-	-	92.58	34.7	11.94	30.73	301	34	A	V
802.11ax HE20 Partial 52/40 CH 140 5700MHz		5729.08	63.93	-4.37	68.3	47.52	35.08	12.15	30.82	101	114	P	H
		5710	118.14	-	-	101.79	35.03	12.13	30.81	101	114	P	H
		5710	110.52	-	-	94.17	35.03	12.13	30.81	101	114	A	H
		5726.28	63.41	-4.89	68.3	47	35.08	12.15	30.82	314	323	P	V
		5704	116.19	-	-	99.84	35.03	12.13	30.81	314	323	P	V
		5704	108.44	-	-	92.09	35.03	12.13	30.81	314	323	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C 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		5442.32	55.83	-18.17	74	39.95	34.7	11.89	30.71	100	111	P	H
		5468.24	62.1	-6.2	68.3	46.19	34.7	11.93	30.72	100	111	P	H
		5460	45.96	-8.04	54	30.07	34.7	11.91	30.72	100	111	A	H
		5500	114.56	-	-	98.63	34.7	11.96	30.73	100	111	P	H
		5500	106.63	-	-	90.7	34.7	11.96	30.73	100	111	A	H
		5459.76	56.84	-17.16	74	40.95	34.7	11.91	30.72	307	360	P	V
		5469.36	64.16	-4.14	68.3	48.25	34.7	11.93	30.72	307	360	P	V
		5459.12	45.87	-8.13	54	29.98	34.7	11.91	30.72	307	360	A	V
		5494	114.92	-	-	99.01	34.7	11.94	30.73	307	360	P	V
		5494	106.01	-	-	90.1	34.7	11.94	30.73	307	360	A	V
802.11ax HE20 Partial 106/54 CH 140 5700MHz		5736.76	59.18	-9.12	68.3	42.7	35.14	12.16	30.82	100	115	P	H
		5704	113.32	-	-	96.97	35.03	12.13	30.81	100	115	P	H
		5704	105.71	-	-	89.36	35.03	12.13	30.81	100	115	A	H
		5725.16	63.56	-4.74	68.3	47.15	35.08	12.15	30.82	308	324	P	V
		5704	115.16	-	-	98.81	35.03	12.13	30.81	308	324	P	V
		5704	107.41	-	-	91.06	35.03	12.13	30.81	308	324	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C 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)
		5458.64	61.45	-12.55	74	45.56	34.7	11.91	30.72	100	111	P	H
		5463.92	64.44	-3.86	68.3	48.53	34.7	11.93	30.72	100	111	P	H
		5459.44	48.05	-5.95	54	32.16	34.7	11.91	30.72	100	111	A	H
	*	5512	107.29	-	-	91.36	34.7	11.96	30.73	100	111	P	H
802.11ax		5512	99.58	-	-	83.65	34.7	11.96	30.73	100	111	A	H
HE40 Full		5754.6	56.79	-11.51	68.3	40.25	35.19	12.18	30.83	100	111	P	H
CH 102		5451.12	57.07	-16.93	74	41.17	34.7	11.91	30.71	303	28	P	V
5510MHz		5460.56	60.54	-7.76	68.3	44.65	34.7	11.91	30.72	303	28	P	V
		5459.92	47.11	-6.89	54	31.22	34.7	11.91	30.72	303	28	A	V
	*	5518	105.3	-	-	89.37	34.7	11.97	30.74	303	28	P	V
		5518	97.93	-	-	82	34.7	11.97	30.74	303	28	A	V
		5732.92	57.24	-11.06	68.3	40.83	35.08	12.15	30.82	303	28	P	V
		5443.76	56.1	-17.9	74	40.22	34.7	11.89	30.71	100	137	P	H
		5469.36	55.55	-12.75	68.3	39.64	34.7	11.93	30.72	100	137	P	H
		5454.16	45.71	-8.29	54	29.81	34.7	11.91	30.71	100	137	A	H
	*	5674	108.91	-	-	92.68	34.92	12.1	30.79	100	137	P	H
802.11ax		5674	101.01	-	-	84.78	34.92	12.1	30.79	100	137	A	H
HE40 Full		5725.24	59.5	-8.8	68.3	43.09	35.08	12.15	30.82	100	137	P	H
CH 134		5419.76	55.59	-18.41	74	39.72	34.7	11.87	30.7	300	326	P	V
5670MHz		5465.52	55.33	-12.97	68.3	39.42	34.7	11.93	30.72	300	326	P	V
		5454.64	45.72	-8.28	54	29.82	34.7	11.91	30.71	300	326	A	V
	*	5656	109.26	-	-	93.09	34.86	12.09	30.78	300	326	P	V
		5656	101.32	-	-	85.15	34.86	12.09	30.78	300	326	A	V
		5728.52	63.84	-4.46	68.3	47.43	35.08	12.15	30.82	300	326	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C 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		11019.02	43.72	-30.28	74	48.92	37.91	17.43	60.54	100	360	P	H
		11019.02	44.93	-29.07	74	50.13	37.91	17.43	60.54	100	360	P	V
802.11ax HE40 Full CH 110 5550MHz		11099.1	44.89	-29.11	74	49.99	37.96	17.46	60.52	100	360	P	H
		11099.1	43.71	-30.29	74	48.81	37.96	17.46	60.52	100	360	P	V
802.11ax HE40 Full CH 134 5670MHz		11339.33	44.25	-29.75	74	49.06	38.1	17.56	60.47	100	360	P	H
		11339.33	44.49	-29.51	74	49.3	38.1	17.56	60.47	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C 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		5370.32	57.26	-16.74	74	41.43	34.7	11.82	30.69	100	110	P	H
		5469.36	65.17	-3.13	68.3	49.26	34.7	11.93	30.72	100	110	P	H
		5458.96	46.53	-7.47	54	30.64	34.7	11.91	30.72	100	110	A	H
		5506	107.92	-	-	91.99	34.7	11.96	30.73	100	110	P	H
		5506	100.08	-	-	84.15	34.7	11.96	30.73	100	110	A	H
		5747.88	56.85	-11.45	68.3	40.38	35.14	12.16	30.83	100	110	P	H
		5448.08	56.31	-17.69	74	40.41	34.7	11.91	30.71	300	38	P	V
		5465.2	61.34	-6.96	68.3	45.43	34.7	11.93	30.72	300	38	P	V
		5458.64	46.43	-7.57	54	30.54	34.7	11.91	30.72	300	38	A	V
		5494	106.43	-	-	90.52	34.7	11.94	30.73	300	38	P	V
		5494	98.41	-	-	82.5	34.7	11.94	30.73	300	38	A	V
		5761.24	57.73	-10.57	68.3	41.2	35.19	12.18	30.84	300	38	P	V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		5417.36	57.02	-16.98	74	41.15	34.7	11.87	30.7	100	113	P	H
		5467.92	56.71	-11.59	68.3	40.8	34.7	11.93	30.72	100	113	P	H
		5457.04	46.43	-7.57	54	30.54	34.7	11.91	30.72	100	113	A	H
		5674	112.63	-	-	96.4	34.92	12.1	30.79	100	113	P	H
		5674	104.42	-	-	88.19	34.92	12.1	30.79	100	113	A	H
		5727.32	64.57	-3.73	68.3	48.16	35.08	12.15	30.82	100	113	P	H
		5418.32	56.32	-17.68	74	40.45	34.7	11.87	30.7	290	321	P	V
		5465.84	55.46	-12.84	68.3	39.55	34.7	11.93	30.72	290	321	P	V
		5351.44	46.25	-7.75	54	30.43	34.7	11.8	30.68	290	321	A	V
		5686	111.84	-	-	95.55	34.97	12.12	30.8	290	321	P	V
		5686	104.3	-	-	88.01	34.97	12.12	30.8	290	321	A	V
		5731	60.69	-7.61	68.3	44.28	35.08	12.15	30.82	290	321	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C 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)
		5459.44	61.54	-12.46	74	45.65	34.7	11.91	30.72	100	115	P	H
		5469.2	63.93	-4.37	68.3	48.02	34.7	11.93	30.72	100	115	P	H
		5459.76	50.51	-3.49	54	34.62	34.7	11.91	30.72	100	115	A	H
	*	5518	104.94	-	-	89.01	34.7	11.97	30.74	100	115	P	H
802.11ax		5518	97.13	-	-	81.2	34.7	11.97	30.74	100	115	A	H
HE80 Full		5728.28	57.56	-10.74	68.3	41.15	35.08	12.15	30.82	100	115	P	H
CH 106		5453.68	59.32	-14.68	74	43.42	34.7	11.91	30.71	301	36	P	V
5530MHz		5469.52	60.16	-8.14	68.3	44.25	34.7	11.93	30.72	301	36	P	V
		5458.32	49.12	-4.88	54	33.23	34.7	11.91	30.72	301	36	A	V
	*	5536	104.11	-	-	88.16	34.7	11.99	30.74	301	36	P	V
		5536	96.37	-	-	80.42	34.7	11.99	30.74	301	36	A	V
		5748.44	57.21	-11.09	68.3	40.74	35.14	12.16	30.83	301	36	P	V
		5432.24	56.18	-17.82	74	40.29	34.7	11.89	30.7	100	243	P	H
		5461.2	55.98	-12.32	68.3	40.09	34.7	11.91	30.72	100	243	P	H
		5459.76	45.85	-8.15	54	29.96	34.7	11.91	30.72	100	243	A	H
	*	5620	107.17	-	-	91.13	34.75	12.06	30.77	100	243	P	H
802.11ax		5620	97.57	-	-	81.53	34.75	12.06	30.77	100	243	A	H
HE80 Full		5727.64	58.41	-9.89	68.3	42	35.08	12.15	30.82	100	243	P	H
CH 122		5455.28	56.2	-17.8	74	40.3	34.7	11.91	30.71	307	320	P	V
5610MHz		5461.36	55.17	-13.13	68.3	39.28	34.7	11.91	30.72	307	320	P	V
		5458.32	45.88	-8.12	54	29.99	34.7	11.91	30.72	307	320	A	V
	*	5626	106.34	-	-	90.3	34.75	12.06	30.77	307	320	P	V
		5626	97.41	-	-	81.37	34.75	12.06	30.77	307	320	A	V
		5755.32	57.38	-10.92	68.3	40.84	35.19	12.18	30.83	307	320	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C 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		11059.05	44.64	-29.36	74	49.78	37.94	17.45	60.53	100	360	P	H
		11059.05	45.15	-28.85	74	50.29	37.94	17.45	60.53	100	360	P	V
802.11ax HE80 Full CH 122 5610MHz		11219.21	43.88	-30.12	74	48.83	38.03	17.51	60.49	100	360	P	H
		11219.21	43.69	-30.31	74	48.64	38.03	17.51	60.49	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C 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)
		5427.28	58.47	-15.53	74	42.6	34.7	11.87	30.7	100	115	P	H
		5461.36	64.42	-3.88	68.3	48.53	34.7	11.91	30.72	100	115	P	H
		5460	47.1	-6.9	54	31.21	34.7	11.91	30.72	100	115	A	H
802.11ax		5524	106.77	-	-	90.84	34.7	11.97	30.74	100	115	P	H
HE80		5524	97.49	-	-	81.56	34.7	11.97	30.74	100	115	A	H
Partial		5753.72	57	-11.3	68.3	40.46	35.19	12.18	30.83	100	115	P	H
484/65		5412.56	56.5	-17.5	74	40.63	34.7	11.87	30.7	287	36	P	V
CH 106		5465.52	63.26	-5.04	68.3	47.35	34.7	11.93	30.72	287	36	P	V
5530MHz		5459.6	46.8	-7.2	54	30.91	34.7	11.91	30.72	287	36	A	V
		5506	105.82	-	-	89.89	34.7	11.96	30.73	287	36	P	V
		5506	96.3	-	-	80.37	34.7	11.96	30.73	287	36	A	V
		5761.48	56.97	-11.33	68.3	40.44	35.19	12.18	30.84	287	36	P	V
		5459.12	55.7	-18.3	74	39.81	34.7	11.91	30.72	107	248	P	H
		5461.2	56.18	-12.12	68.3	40.29	34.7	11.91	30.72	107	248	P	H
		5455.92	45.55	-8.45	54	29.66	34.7	11.91	30.72	107	248	A	H
802.11ax		5632	109.77	-	-	93.73	34.75	12.06	30.77	107	248	P	H
HE80		5632	100.46	-	-	84.42	34.75	12.06	30.77	107	248	A	H
Partial		5736.04	58.69	-9.61	68.3	42.21	35.14	12.16	30.82	107	248	P	H
484/66		5412.08	55.89	-18.11	74	40.02	34.7	11.87	30.7	314	317	P	V
CH 122		5465.2	55.57	-12.73	68.3	39.66	34.7	11.93	30.72	314	317	P	V
5610MHz		5456.72	45.62	-8.38	54	29.73	34.7	11.91	30.72	314	317	A	V
		5644	109.25	-	-	93.13	34.81	12.08	30.77	314	317	P	V
		5644	98.97	-	-	82.85	34.81	12.08	30.77	314	317	A	V
		5736.2	57.95	-10.35	68.3	41.47	35.14	12.16	30.82	314	317	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz	*	5716	111.24	-	-	94.89	35.03	12.13	30.81	300	0	P	H
	*	5716	102.47	-	-	86.12	35.03	12.13	30.81	300	0	A	H
	*	5716	110.01	-	-	93.66	35.03	12.13	30.81	100	0	P	V
	*	5716	101.98	-	-	85.63	35.03	12.13	30.81	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		11439.44	44.44	-29.56	74	49.12	38.16	17.6	60.44	100	360	P	H
		11439.44	49.36	-24.64	74	54.04	38.16	17.6	60.44	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C - Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 144 5720MHz		5716	112.52	-	-	96.17	35.03	12.13	30.81	300	0	P	H
		5716	104.31	-	-	87.96	35.03	12.13	30.81	300	0	A	H
		5716	109.2	-	-	92.85	35.03	12.13	30.81	100	0	P	V
		5716	101.63	-	-	85.28	35.03	12.13	30.81	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C - 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		11439.44	47.13	-26.87	74	51.81	38.16	17.6	60.44	100	360	P	H
		11439.44	44.74	-29.26	74	49.42	38.16	17.6	60.44	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C - Straddle Channel

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		5698	108.6	-	-	92.31	34.97	12.12	30.8	300	0	P	H
		5698	99.81	-	-	83.52	34.97	12.12	30.8	300	0	A	H
		5710	107.44	-	-	91.09	35.03	12.13	30.81	100	0	P	V
		5710	99.45	-	-	83.1	35.03	12.13	30.81	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C - 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		11419.42	44.9	-29.1	74	49.61	38.15	17.59	60.45	100	360	P	H
		11419.42	45.66	-28.34	74	50.37	38.15	17.59	60.45	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C 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	*	5698	106.29	-	-	90	34.97	12.12	30.8	300	0	P	H
HE80 Full	*	5698	98.64	-	-	82.35	34.97	12.12	30.8	300	0	A	H
CH 138	*	5680	106.63	-	-	90.4	34.92	12.1	30.79	100	0	P	V
5690MHz	*	5680	98.88	-	-	82.65	34.92	12.1	30.79	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C - 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		11379.38	44.4	-29.6	74	49.15	38.13	17.58	60.46	300	0	P	H
CH 138 5690MHz		11379.38	45.78	-28.22	74	50.53	38.13	17.58	60.46	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C 5470~5725MHz

Emission below 1GHz

WIFI 802.11ax HE20 Full (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full LF		30.97	23.94	-16.06	40	31.05	24.98	0.71	32.8	100	0	P	H
		135.73	21.26	-22.24	43.5	34.65	17.67	1.77	32.83	-	-	P	H
		233.7	22.16	-23.84	46	34.54	18.39	2.33	33.1	-	-	P	H
		286.08	22.09	-23.91	46	32.48	19.98	2.58	32.95	-	-	P	H
		506.27	25.74	-20.26	46	30.42	24.66	3.44	32.78	-	-	P	H
		711.91	28.29	-17.71	46	31.1	25.89	4.08	32.78	-	-	P	H
		35.82	32.25	-7.75	40	41.91	22.3	0.76	32.72	100	360	P	V
		54.25	28.2	-11.8	40	45.9	14.36	1.1	33.16	-	-	P	V
		100.81	20.08	-23.42	43.5	33.37	18.09	1.52	32.9	-	-	P	V
		158.04	18.31	-25.19	43.5	31.94	17.31	1.91	32.85	-	-	P	V
		274.44	20.33	-25.67	46	31.01	19.79	2.53	33	-	-	P	V
		857.41	30.18	-15.82	46	31.06	27.23	4.47	32.58	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

For Co-location:

Band 2C - 5470~5725MHz

WIFI 802.11ax HE20 Full _CH100 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH100 5500MHz		5453.68	55.89	-18.11	74	41.57	34.7	11.91	32.29	100	114	P	H
		5469.2	63.01	-5.29	68.3	48.67	34.7	11.93	32.29	100	114	P	H
	*	5460	45.94	-8.06	54	31.62	34.7	11.91	32.29	100	114	A	H
		5500	110.53	-	-	96.17	34.7	11.96	32.3	100	114	P	H
		5500	101.72	-	-	87.36	34.7	11.96	32.3	100	114	A	H
		5450.48	56.91	-17.09	74	42.59	34.7	11.91	32.29	352	345	P	V
		5469.84	58.65	-9.65	68.3	44.31	34.7	11.93	32.29	352	345	P	V
	*	5460	45.65	-8.35	54	31.33	34.7	11.91	32.29	352	345	A	V
		5494	109.23	-	-	94.89	34.7	11.94	32.3	352	345	P	V
		5494	101.57	-	-	87.23	34.7	11.94	32.3	352	345	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2C - 5470~5725MHz

WIFI 802.11ax HE20 Full _CH100 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH100 5500MHz		11004	48.54	-25.46	74	53.76	37.9	17.42	60.54	300	0	P	H
		11004	49.07	-24.93	74	54.29	37.9	17.42	60.54	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

BLE_Tx_Ch39 (Band Edge @ 3m)

BLE	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE CH 39 2480MHz		2483.92	54.99	-19.01	74	49.64	32.12	7.86	34.63	100	118	P	H
		2483.5	50.84	-3.16	54	45.49	32.12	7.86	34.63	100	118	A	H
		2480	103.53	-	-	98.18	32.12	7.86	34.63	100	118	P	H
		2480	101.95	-	-	96.6	32.12	7.86	34.63	100	118	A	H
		2495.62	55.14	-18.86	74	49.75	32.1	7.89	34.6	314	68	P	V
		2483.5	49.07	-4.93	54	43.72	32.12	7.86	34.63	314	68	A	V
		2480	100.85	-	-	95.5	32.12	7.86	34.63	314	68	P	V
		2480	99.43	-	-	94.08	32.12	7.86	34.63	314	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

BLE_Tx_Ch39 (Harmonic @ 3m)

BLE	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE CH 39 2480MHz		4962	40.89	-33.11	74	55.13	34.38	11.39	60.01	300	0	P	H
		7440	41.96	-32.04	74	52.74	35.91	13.85	60.54	300	0	P	H
		4962	40.15	-33.85	74	54.39	34.38	11.39	60.01	300	0	P	V
		7440	43.5	-30.5	74	54.28	35.91	13.85	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)

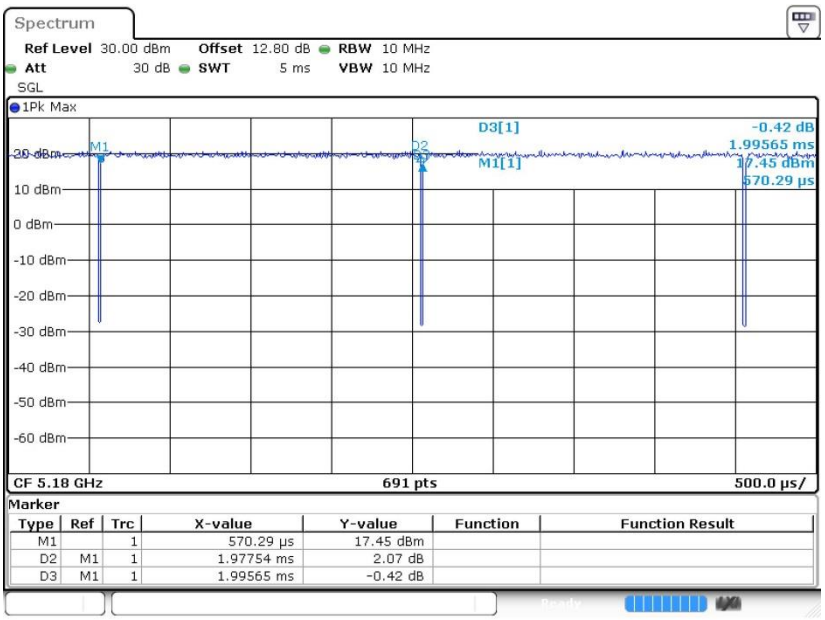
= -10.46(dB)

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

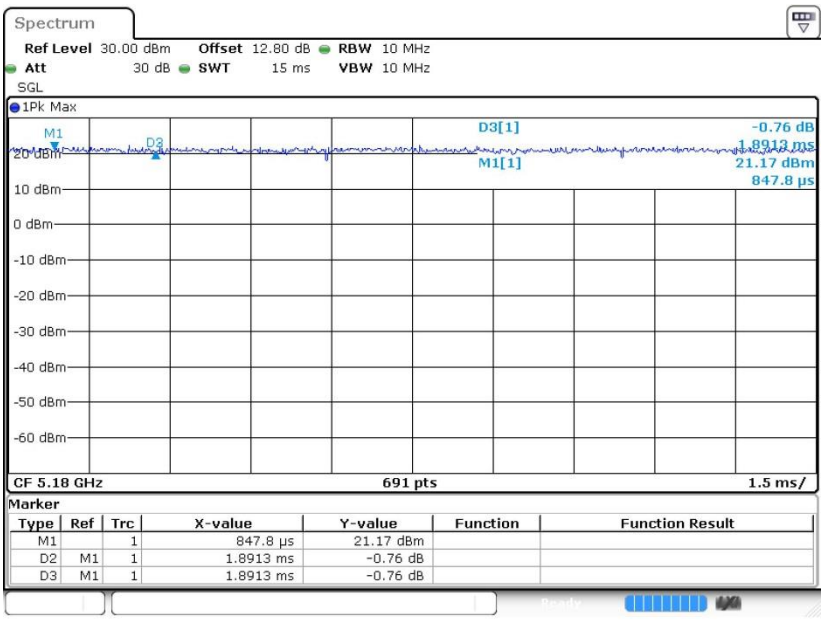
Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
1+2	802.11a	99.09	-	-	10Hz
1+2	802.11ax HE20	100	-	-	10Hz
1+2	802.11ax HE40	100	-	-	10Hz
1+2	802.11ax HE80	100	-	-	10Hz

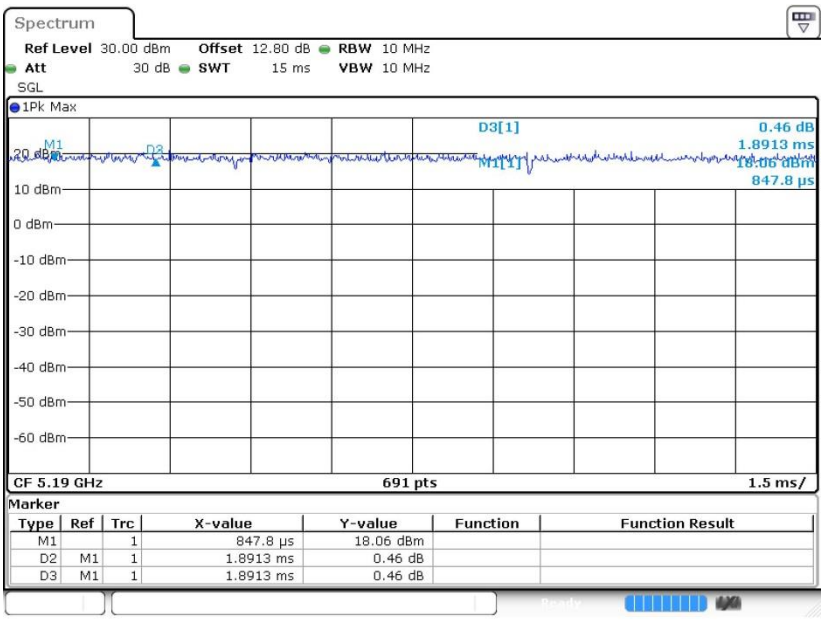
802.11a



802.11ax HE20



802.11ax HE40



802.11ax HE80