



FCC RF Test Report

APPLICANT : OnePlus Technology (Shenzhen) Co.,Ltd.
EQUIPMENT : Smart Phone
BRAND NAME : ONEPLUS
MODEL NAME : NE2217,NE2215
FCC ID : 2ABZ2-AA438
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure
TEST DATE(S) : Oct. 30, 2021 ~ Nov. 28, 2021

We, Sporton International (Shenzhen) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (Shenzhen) Inc., the test report shall not be reproduced except in full.

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager



Sporton International (ShenZhen) Inc.

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055
People's Republic of China



TABLE OF CONTENTS

REVISION HISTORY.....	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Applicant	5
1.2 Manufacturer	5
1.3 Product Feature of Equipment Under Test.....	5
1.4 Product Specification of Equipment Under Test.....	6
1.5 Modification of EUT	6
1.6 Testing Location	7
1.7 Test Software.....	7
1.8 Applicable Standards.....	7
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	8
2.1 Carrier Frequency and Channel	8
2.2 Test Mode.....	9
2.3 Connection Diagram of Test System.....	10
2.4 Support Unit used in test configuration and system	10
2.5 EUT Operation Test Setup	11
2.6 Measurement Results Explanation Example.....	11
3 TEST RESULT	12
3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement	12
3.2 Maximum Conducted Output Power Measurement	15
3.3 Power Spectral Density Measurement	17
3.4 Unwanted Emissions Measurement	20
3.5 AC Conducted Emission Measurement.....	26
3.6 Antenna Requirements	28
4 LIST OF MEASURING EQUIPMENT	29
5 UNCERTAINTY OF EVALUATION	30
APPENDIX A. CONDUCTED TEST RESULTS	
APPENDIX B. AC CONDUCTED EMISSION TEST RESULT	
APPENDIX C. RADIATED SPURIOUS EMISSION	
APPENDIX D. DUTY CYCLE PLOTS	
APPENDIX E. SETUP PHOTOGRAPHS	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR1O1920G	Rev. 01	Initial issue of report	Dec. 17, 2021

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.403(i)	6dB, 26dB and 99% Occupied Bandwidth	> 500kHz	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	≤ 30 dBm	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 30 dBm/500kHz	Pass	-
3.4	15.407(b)	Unwanted Emissions	15.407(b)(4)(i) & 15.209(a)	Pass	Under limit 12.98 dB at 5932.600 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 10.05 dB at 0.150 MHz
3.6	15.203 & 15.407(a)	Antenna Requirement	15.203 & 15.407(a)	Pass	-

Declaration of Conformity:

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

Comments and Explanations:

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



1 General Description

1.1 Applicant

OnePlus Technology (Shenzhen) Co.,Ltd.

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

1.2 Manufacturer

OnePlus Technology (Shenzhen) Co.,Ltd.

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

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Smart Phone
Brand Name	ONEPLUS
Model Name	NE2217,NE2215
FCC ID	2ABZ2-AA438
IMEI Code	Conducted: 861679050031201 Conduction: 861679050034163 Radiation: 861679050034189
HW Version	11
SW Version	NE2217_11_A.02
EUT Stage	Production Unit

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

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification				
Tx/Rx Channel Frequency Range		5745 MHz ~ 5825 MHz		
Maximum Output Power		<MIMO Ant. 1+2> <5745 MHz ~ 5825 MHz> 802.11a : 20.78 dBm / 0.1197 W 802.11n HT20 : 20.55 dBm / 0.1135 W 802.11n HT40 : 20.56 dBm / 0.1138 W 802.11ac VHT20: 20.50 dBm / 0.1122 W 802.11ac VHT40: 20.52 dBm / 0.1127 W 802.11ac VHT80: 20.25 dBm / 0.1059 W 802.11ax HE20: 20.70 dBm / 0.1175 W 802.11ax HE40: 20.81 dBm / 0.1205 W 802.11ax HE80: 20.88 dBm / 0.1225 W		
99% Occupied Bandwidth		<MIMO Ant. 1+2> 802.11a : 16.53 MHz 802.11n HT20 : 17.63 MHz 802.11n HT40 : 36.16 MHz 802.11ac VHT80 : 75.40 MHz 802.11ax HE20 : 18.98 MHz 802.11ax HE40 : 37.96 MHz 802.11ax HE80 : 77.20 MHz		
Type of Modulation		802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac/ax : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM/ 1024QAM/ 4096QAM)		
Antenna Type / Gain		<Ant. 1> : Fixed internal Antenna with gain -1.50 dBi <Ant. 2> : Fixed internal Antenna with gain -1.50 dBi		
Antenna Function Description			Ant. 1	Ant. 2
		802.11 a/n/ac/ax SISO/MIMO	V	V

Note:

1. WLAN 5G Ant. 1 / Ant. 2 corresponding to EUT Photo Ant. 13 / Ant. 9
2. For 802.11n HT20 / ac VHT20 and 802.11n HT40 / ac VHT40 mode, the whole testing have assessed only 802.11n HT20/HT40 by referring to their maximum conducted power.
3. 802.11ax support full RU tone and partial RU tone, both full RU and partial RU-left (for low CH) and partial RU-right (for high CH) are tested, only the worse data were reported.
4. WLAN 5G supports MIMO and SISO mode, the whole testing have assessed the MIMO mode 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 (Shenzhen) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International (Shenzhen) Inc.		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	CO01-SZ TH01-SZ	CN1256	421272

Test Firm	Sporton International (Shenzhen) Inc.		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH01-SZ	CN1256	421272

1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH01-SZ	AUDIX	E3	6.2009-8-24
2.	CO01-SZ	AUDIX	E3	6.120613b

1.8 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz U-NII-3	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155 [#]	5775	165	5825

Note:

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

2.2 Test Mode

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

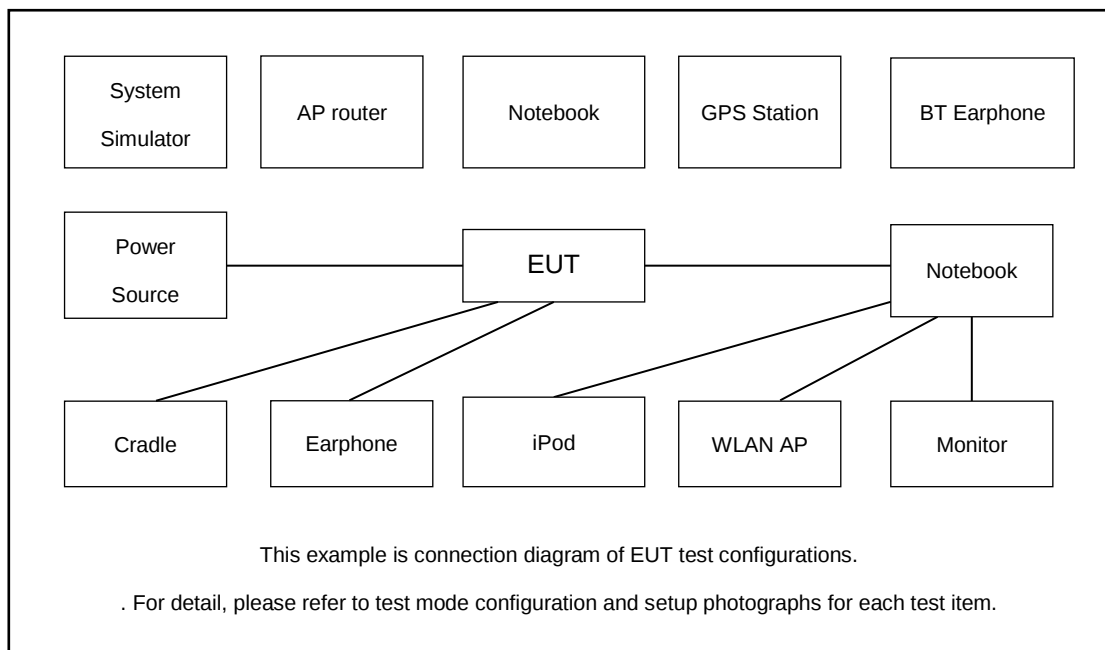
MIMO Mode

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

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

Ch. #		U-NII-3 : 5725-5850 MHz			
		802.11a	802.11n HT20	802.11n HT40	802.11ac VHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Base Station(LTE)	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	WLAN AP	Dlink	DIR-820L	KA2IR820LA1	N/A	Unshielded,1.8m
3.	Notebook	Lenovo	E540	FCC DoC	Lenovo	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Bluetooth Earphone	Samsung	EO-MG900	PYAHS-107W	N/A	N/A



2.5 EUT Operation Test Setup

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

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 2.8 + 10 = 12.8 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

26dB and 99% Occupied bandwidth are reporting only.

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

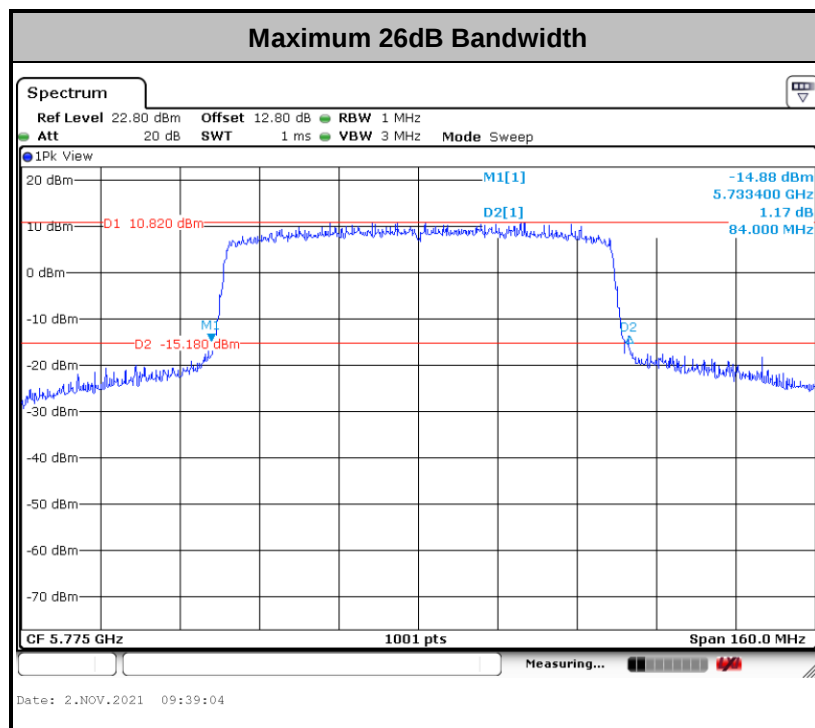
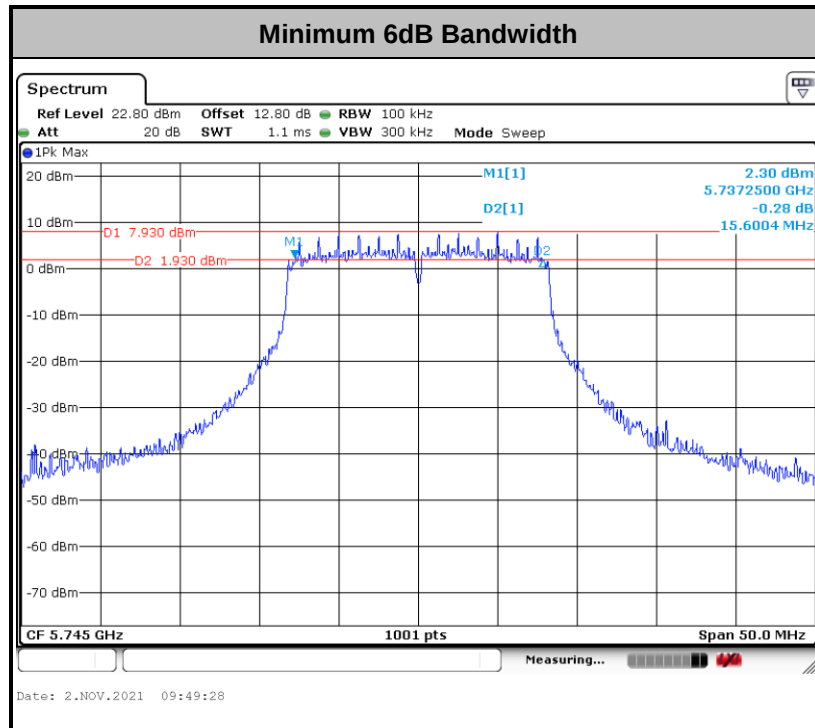
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section C) Emission bandwidth for the band 5.725-5.85GHz
2. Set RBW = 100kHz.
3. Set the VBW $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

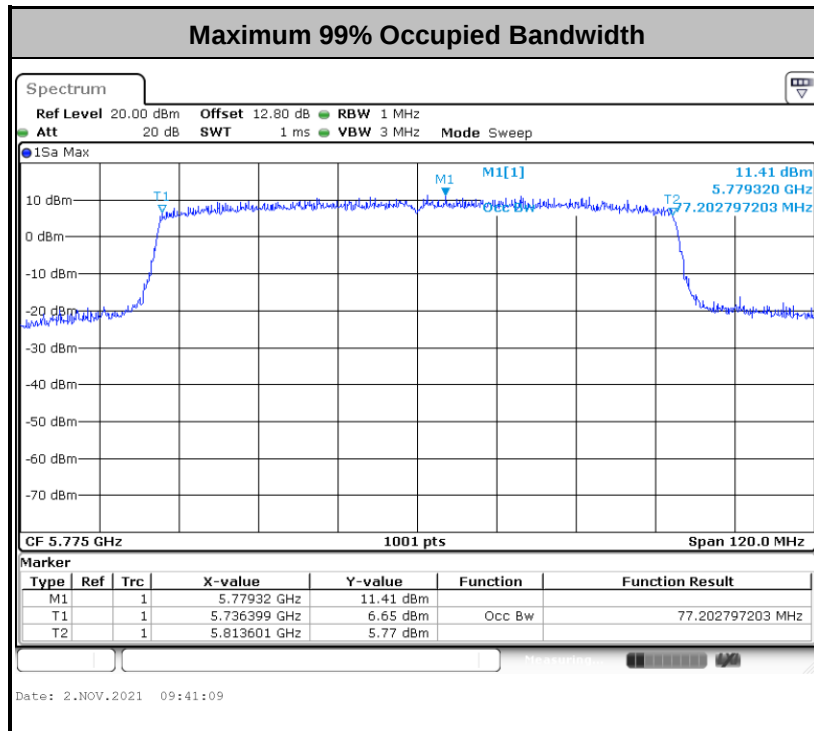
3.1.4 Test Setup



3.1.5 Test Result of 6dB Bandwidth

Please refer to Appendix A.





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



3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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.

3.2.2 Measuring Instruments

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

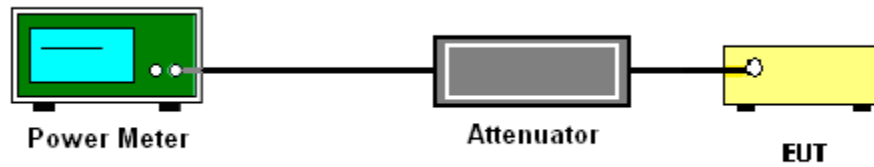
3.2.3 Test Procedures

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

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, $10 \log(1/x)$, where x is the duty cycle.
4. For MIMO mode, the measure-and-sum technique should be used for measuring the in-band transmit power of a device.

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

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz 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).

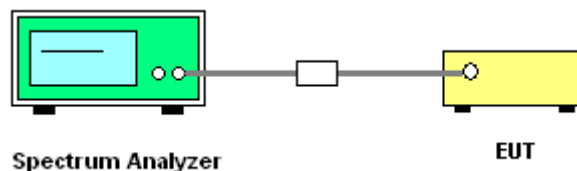
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz.
- Set VBW $\geq$ 1 MHz.
- Number of points in sweep $\geq$ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add $10 \log(500\text{kHz}/\text{RBW})$ to the test result.
- 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 PSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (c): Measure and add $10 \log(N_{\text{ANT}})$ dB.

With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity $10 \log(N_{\text{ANT}})$ dB is added to each spectrum value before comparing to the emission limit. The addition of $10 \log(N_{\text{ANT}})$ dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{\text{ANT}}^{\text{th}}$ of the PSD limit.

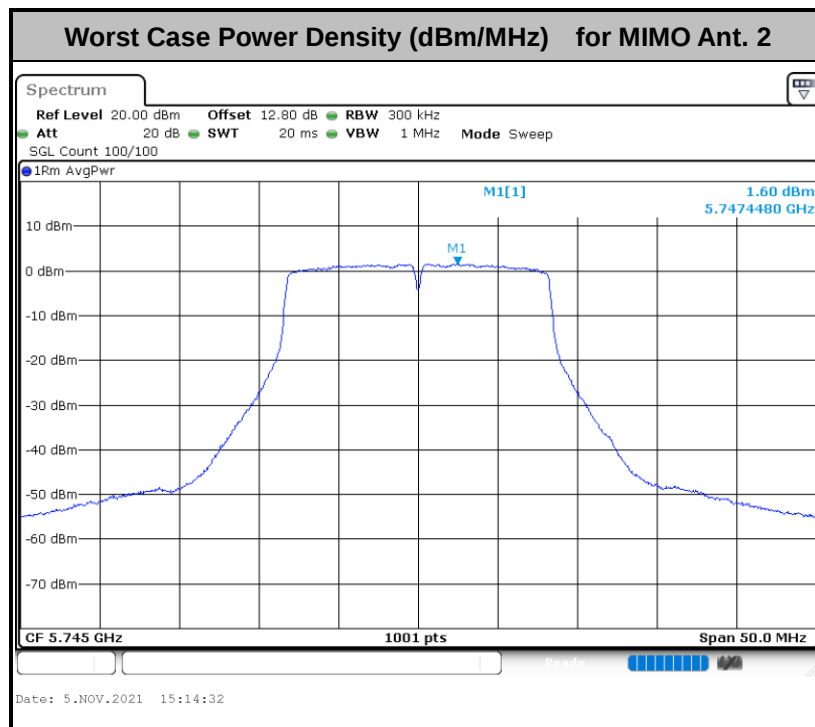
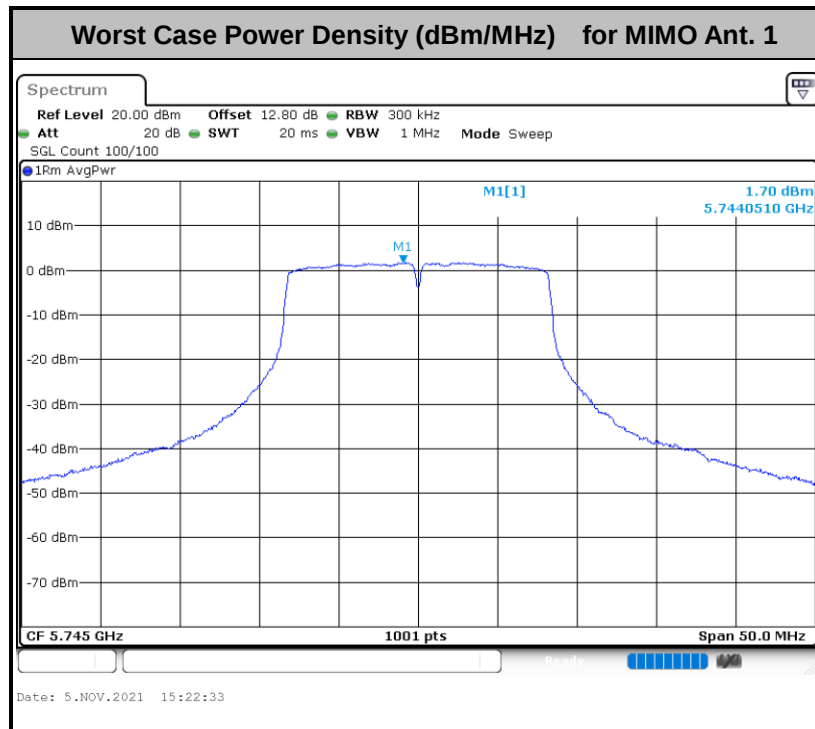
3.3.4 Test Setup





3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



Note: Average Power Density (dB) = Measured value + Duty Factor + 10log2

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 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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

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

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

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

where

EIRP is the equivalent isotropically radiated power, in dBm

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

d_{Meas} is the measurement distance, in m

3.4.2 Measuring Instruments

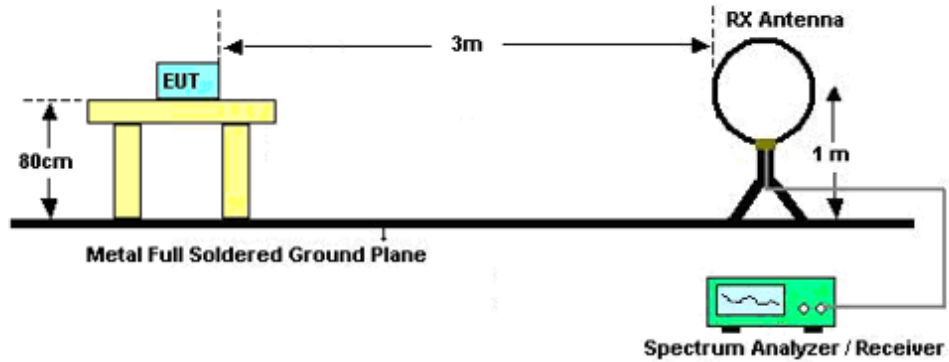
The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

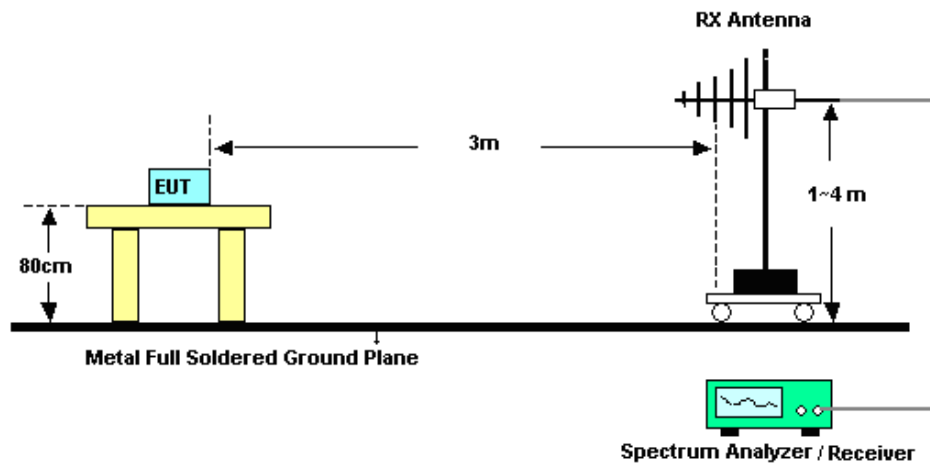
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak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

3.4.4 Test Setup

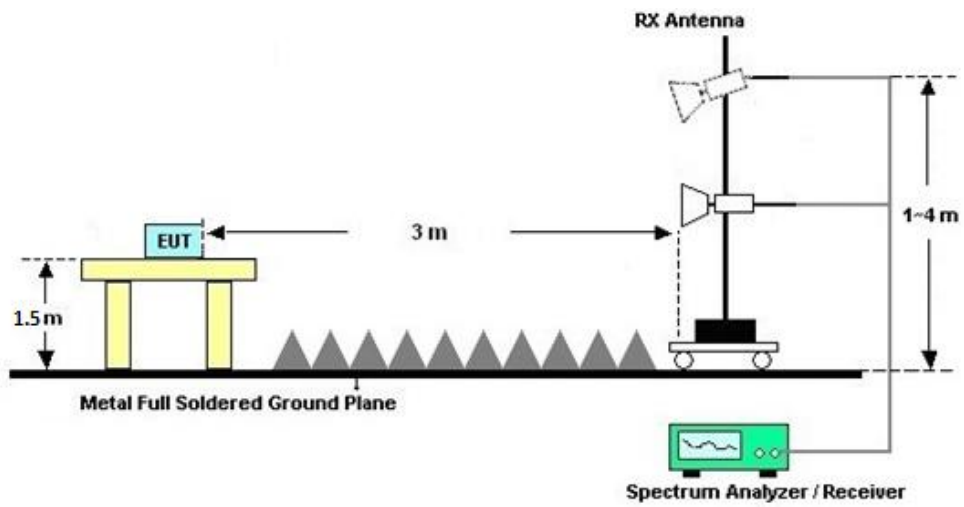
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz





3.4.5 Test Results of Radiated 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 Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

3.4.8 Test Result of Unwanted Radiated Emission (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.

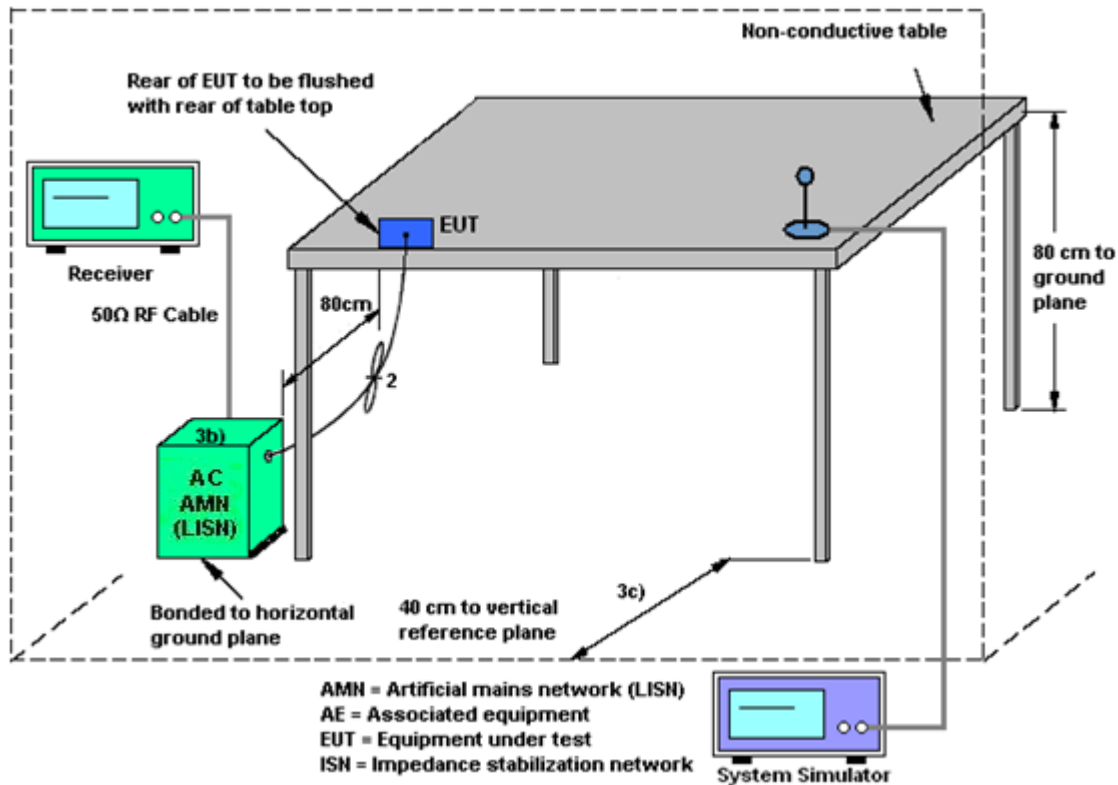
3.5.2 Measuring Instruments

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 = G_{ANT} + Array Gain, where Array Gain is as follows.

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

Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

The directional gain "DG" is calculated as following table.

<CDD Modes>						
			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant. 1 (dBi)	Ant. 2 (dBi)				
Band IV	-1.50	-1.50	-1.50	1.51	0.00	0.00

$Power\ Limit\ Reduction = DG(Power) - 6dBi, (min = 0)$

$PSD\ Limit\ Reduction = DG(PSD) - 6dBi, (min = 0)$



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	Nov. 02, 2021~Nov. 05, 2021	Apr. 07, 2022	Conducted (TH01-SZ)
Pulse Power Sensor	Anritsu	MA2411B	1207253	30MHz~40GHz	Dec. 25, 2020	Nov. 02, 2021~Nov. 05, 2021	Dec. 24, 2021	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Dec. 25, 2020	Nov. 02, 2021~Nov. 05, 2021	Dec. 24, 2021	Conducted (TH01-SZ)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Dec. 03, 2020	Nov. 28, 2021	Dec. 02, 2021	Radiation (03CH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 21, 2021	Nov. 28, 2021	Jul. 20, 2022	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	Nov. 28, 2021	Jun. 21, 2022	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz~2GHz	Jul. 15, 2021	Nov. 28, 2021	Jul. 14, 2022	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 25, 2021	Nov. 28, 2021	Jul. 24, 2022	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18GHz~40GHz	Apr. 11, 2021	Nov. 28, 2021	Apr. 10, 2022	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 07, 2021	Nov. 28, 2021	Apr. 06, 2022	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 15, 2021	Nov. 28, 2021	Oct. 14, 2022	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5GHz	Oct. 16, 2021	Nov. 28, 2021	Oct. 15, 2022	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 21, 2021	Nov. 28, 2021	Jul. 20, 2022	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Nov. 28, 2021	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Nov. 28, 2021	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Nov. 28, 2021	NCR	Radiation (03CH01-SZ)
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Mar. 08, 2021	Oct. 30, 2021	Mar. 07, 2022	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2 LISN	00103912	9kHz~30MHz	Dec. 25, 2020	Oct. 30, 2021	Dec. 24, 2021	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 15, 2021	Oct. 30, 2021	Oct. 14, 2022	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 21, 2021	Oct. 30, 2021	Jul. 20, 2022	Conduction (CO01-SZ)

NCR: No Calibration Required

5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.2dB
---	-------

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% ($U = 2Uc(y)$)	4.3dB
---	-------

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



Appendix A. Conducted Test Results

Test Engineer:	Ma Jie	Temperature:	21~25	°C
Test Date:	2021/11/2~2021/11/5	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

Band IV													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	16.53	16.38	21.10	19.70	15.65	15.60	0.5		Pass
11a	6Mbps	2	157	5785	16.48	16.38	20.95	19.75	15.65	15.65	0.5		Pass
11a	6Mbps	2	165	5825	16.53	16.38	20.60	20.50	15.65	15.65	0.5		Pass
HT20	MCS0	2	149	5745	17.63	17.53	21.65	21.25	16.80	15.65	0.5		Pass
HT20	MCS0	2	157	5785	17.63	17.53	21.80	21.20	16.80	16.55	0.5		Pass
HT20	MCS0	2	165	5825	17.63	17.53	22.20	21.05	16.80	16.80	0.5		Pass
HT40	MCS0	2	151	5755	36.16	36.06	40.14	39.78	35.82	35.60	0.5		Pass
HT40	MCS0	2	159	5795	36.16	36.06	42.03	39.87	35.64	35.10	0.5		Pass
VHT80	MCS0	2	155	5775	75.40	75.28	83.20	82.08	75.20	75.20	0.5		Pass
HE20	MCS0	2	149	5745	18.93	18.88	23.15	21.40	18.30	16.70	0.5		Pass
HE20	MCS0	2	157	5785	18.98	18.93	21.65	21.15	17.70	17.20	0.5		Pass
HE20	MCS0	2	165	5825	18.98	18.93	22.80	21.30	18.40	18.05	0.5		Pass
HE40	MCS0	2	151	5755	37.96	37.86	40.77	40.14	37.98	36.63	0.5		Pass
HE40	MCS0	2	159	5795	37.96	37.86	40.68	40.23	37.51	36.81	0.5		Pass
HE80	MCS0	2	155	5775	77.20	76.96	84.00	82.24	76.00	75.20	0.5		Pass

TEST RESULTS DATA
Average Power Table

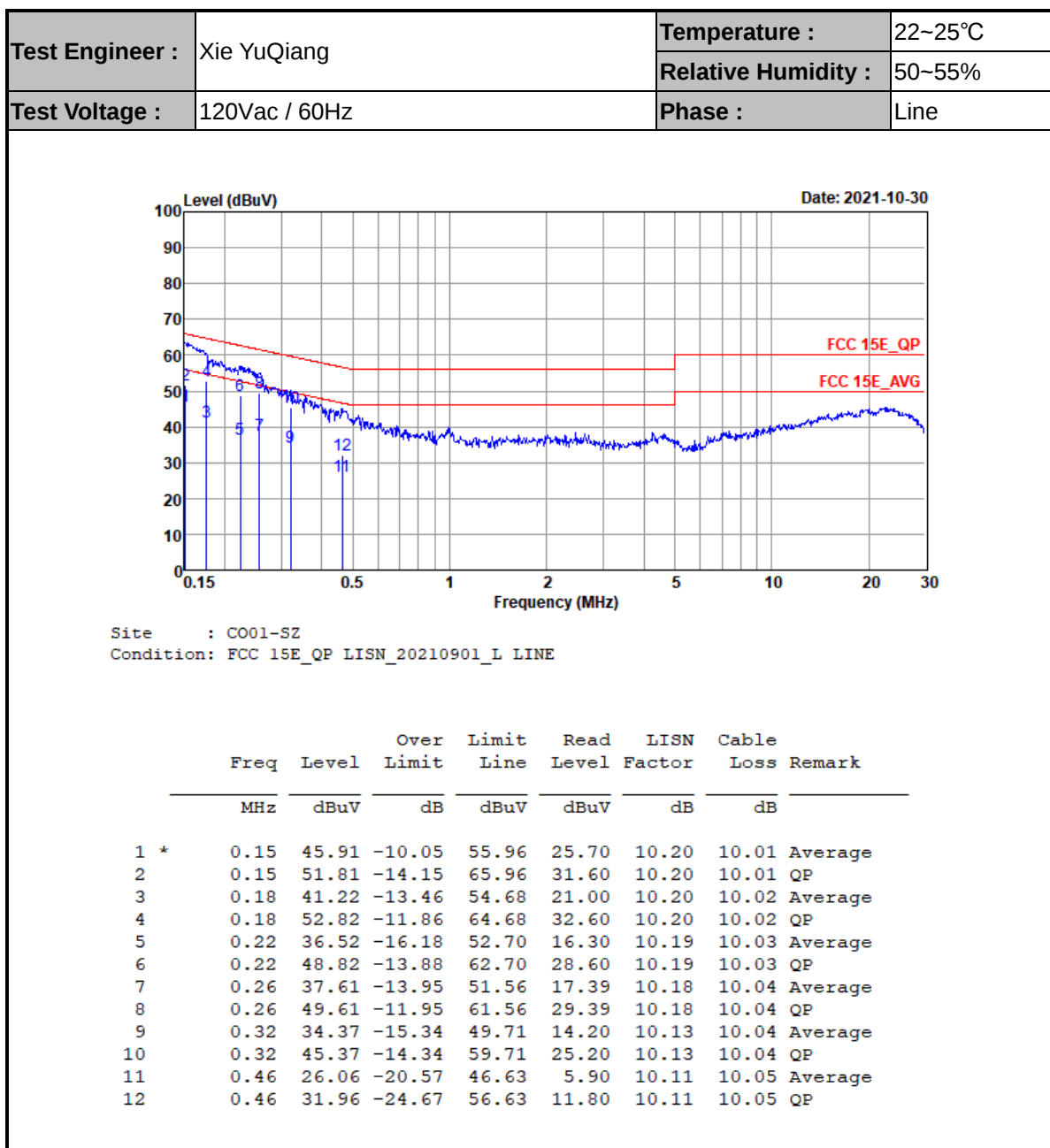
Band IV															
Mod.	Data Rate	NTx	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	Full	5745	0.03	0.03	17.92	17.61	20.78	30.00		-1.50		Pass
11a	6Mbps	2	157	Full	5785	0.03	0.03	17.35	17.18	20.28	30.00		-1.50		Pass
11a	6Mbps	2	165	Full	5825	0.03	0.03	17.26	17.54	20.41	30.00		-1.50		Pass
HT20	MCS0	2	149	Full	5745	0.00	0.00	17.53	17.31	20.43	30.00		-1.50		Pass
HT20	MCS0	2	157	Full	5785	0.00	0.00	17.47	17.42	20.46	30.00		-1.50		Pass
HT20	MCS0	2	165	Full	5825	0.00	0.00	17.36	17.71	20.55	30.00		-1.50		Pass
HT40	MCS0	2	151	Full	5755	0.00	0.00	17.78	17.29	20.55	30.00		-1.50		Pass
HT40	MCS0	2	159	Full	5795	0.00	0.00	17.72	17.38	20.56	30.00		-1.50		Pass
VHT20	MCS0	2	149	Full	5745	0.00	0.00	17.48	17.29	20.40	30.00		-1.50		Pass
VHT20	MCS0	2	157	Full	5785	0.00	0.00	17.45	17.38	20.43	30.00		-1.50		Pass
VHT20	MCS0	2	165	Full	5825	0.00	0.00	17.32	17.66	20.50	30.00		-1.50		Pass
VHT40	MCS0	2	151	Full	5755	0.00	0.00	17.73	17.25	20.51	30.00		-1.50		Pass
VHT40	MCS0	2	159	Full	5795	0.00	0.00	17.69	17.33	20.52	30.00		-1.50		Pass
VHT80	MCS0	2	155	Full	5775	0.00	0.00	17.36	17.12	20.25	30.00		-1.50		Pass
HE20	MCS0	2	149	Full	5745	0.00	0.00	17.68	17.31	20.51	30.00		-1.50		Pass
HE20	MCS0	2	149	26/0	5745	0.00	0.00	8.68	8.39	11.55	30.00		-1.50		Pass
HE20	MCS0	2	149	52/37	5745	0.00	0.00	10.80	10.26	13.55	30.00		-1.50		Pass
HE20	MCS0	2	149	106/53	5745	0.00	0.00	14.15	13.33	16.77	30.00		-1.50		Pass
HE20	MCS0	2	157	Full	5785	0.00	0.00	17.63	17.56	20.61	30.00		-1.50		Pass
HE20	MCS0	2	165	Full	5825	0.00	0.00	17.54	17.84	20.70	30.00		-1.50		Pass
HE20	MCS0	2	165	26/8	5825	0.00	0.00	7.72	7.98	10.86	30.00		-1.50		Pass
HE20	MCS0	2	165	52/40	5825	0.00	0.00	10.97	10.94	13.97	30.00		-1.50		Pass
HE20	MCS0	2	165	106/54	5825	0.00	0.00	14.06	14.16	17.12	30.00		-1.50		Pass
HE40	MCS0	2	151	Full	5755	0.00	0.00	17.45	17.03	20.26	30.00		-1.50		Pass
HE40	MCS0	2	151	242/61	5755	0.00	0.00	17.85	17.63	20.75	30.00		-1.50		Pass
HE40	MCS0	2	159	Full	5795	0.00	0.00	17.34	17.00	20.18	30.00		-1.50		Pass
HE40	MCS0	2	159	242/62	5795	0.00	0.00	17.88	17.71	20.81	30.00		-1.50		Pass
HE80	MCS0	2	155	Full	5775	0.00	0.00	17.62	17.45	20.55	30.00		-1.50		Pass
HE80	MCS0	2	155	484/65	5775	0.00	0.00	17.71	17.63	20.68	30.00		-1.50		Pass
HE80	MCS0	2	155	484/66	5775	0.00	0.00	18.02	17.71	20.88	30.00		-1.50		Pass

TEST RESULTS DATA
Power Spectral Density

Band IV																	
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	Full	5745	0.03	0.03	2.22		6.96	30.00	1.51	Pass				
11a	6Mbps	2	157	Full	5785	0.03	0.03	2.22		6.59	30.00	1.51	Pass				
11a	6Mbps	2	165	Full	5825	0.03	0.03	2.22		6.81	30.00	1.51	Pass				
HT20	MCS0	2	149	Full	5745	0.00	0.00	2.22		6.38	30.00	1.51	Pass				
HT20	MCS0	2	157	Full	5785	0.00	0.00	2.22		6.38	30.00	1.51	Pass				
HT20	MCS0	2	165	Full	5825	0.00	0.00	2.22		6.73	30.00	1.51	Pass				
HT40	MCS0	2	151	Full	5755	0.00	0.00	2.22		3.55	30.00	1.51	Pass				
HT40	MCS0	2	159	Full	5795	0.00	0.00	2.22		3.62	30.00	1.51	Pass				
VHT80	MCS0	2	155	Full	5775	0.00	0.00	2.22		0.12	30.00	1.51	Pass				
HE20	MCS0	2	149	Full	5745	0.00	0.00	2.22		6.12	30.00	1.51	Pass				
HE20	MCS0	2	149	26/0	5745	0.00	0.00	2.22		6.05	30.00	1.51	Pass				
HE20	MCS0	2	149	52/37	5745	0.00	0.00	2.22		5.26	30.00	1.51	Pass				
HE20	MCS0	2	149	106/53	5745	0.00	0.00	2.22		5.51	30.00	1.51	Pass				
HE20	MCS0	2	157	Full	5785	0.00	0.00	2.22		6.22	30.00	1.51	Pass				
HE20	MCS0	2	165	Full	5825	0.00	0.00	2.22		6.43	30.00	1.51	Pass				
HE20	MCS0	2	165	26/8	5825	0.00	0.00	2.22		5.51	30.00	1.51	Pass				
HE20	MCS0	2	165	52/40	5825	0.00	0.00	2.22		5.56	30.00	1.51	Pass				
HE20	MCS0	2	165	106/54	5825	0.00	0.00	2.22		5.56	30.00	1.51	Pass				
HE40	MCS0	2	151	Full	5755	0.00	0.00	2.22		3.00	30.00	1.51	Pass				
HE40	MCS0	2	151	242/61	5755	0.00	0.00	2.22		5.66	30.00	1.51	Pass				
HE40	MCS0	2	159	Full	5795	0.00	0.00	2.22	3.05	30.00	1.51	Pass					
HE40	MCS0	2	159	242/62	5795	0.00	0.00	2.22	5.82	30.00	1.51	Pass					
HE80	MCS0	2	155	Full	5775	0.00	0.00	2.22	0.21	30.00	1.51	Pass					
HE80	MCS0	2	155	484/65	5775	0.00	0.00	2.22	2.56	30.00	1.51	Pass					
HE80	MCS0	2	155	484/66	5775	0.00	0.00	2.22	2.80	30.00	1.51	Pass					

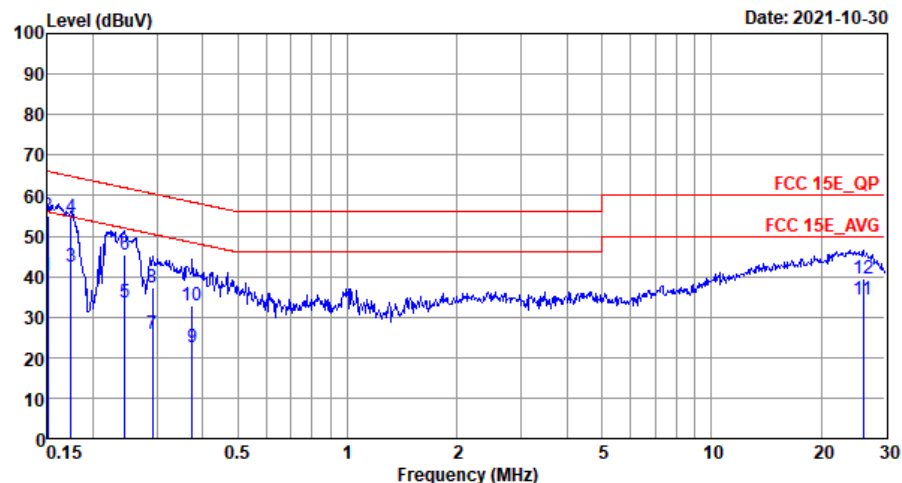


Appendix B. AC Conducted Emission Test Results





Test Engineer :	Xie YuQiang	Temperature :	22~25°C
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral



Site : CO01-SZ
Condition: FCC 15E_QP LISN_20210901_N NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.15	40.22	-15.78	56.00	19.90	10.31	10.01	Average
2	0.15	54.82	-11.18	66.00	34.50	10.31	10.01	QP
3	0.17	42.53	-12.24	54.77	22.20	10.31	10.02	Average
4 *	0.17	54.63	-10.14	64.77	34.30	10.31	10.02	QP
5	0.24	33.49	-18.46	51.95	13.21	10.25	10.03	Average
6	0.24	45.49	-16.46	61.95	25.21	10.25	10.03	QP
7	0.29	25.96	-24.54	50.50	5.70	10.22	10.04	Average
8	0.29	37.16	-23.34	60.50	16.90	10.22	10.04	QP
9	0.38	22.62	-25.77	48.39	2.40	10.18	10.04	Average
10	0.38	32.72	-25.67	58.39	12.50	10.18	10.04	QP
11	26.14	34.42	-15.58	50.00	13.60	10.22	10.60	Average
12	26.14	39.52	-20.48	60.00	18.70	10.22	10.60	QP

Note:

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



Appendix C. Radiated Spurious Emission

U-NII-3 - 5725~5850MHz

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 149 5745MHz		5640.2	52.85	-15.45	68.3	38.8	34.37	12.28	32.6	169	49	P	H
		5675.8	52.9	-34.48	87.38	38.81	34.4	12.29	32.6	169	49	P	H
		5720	54.1	-56.7	110.8	39.94	34.47	12.29	32.6	169	49	P	H
		5724.8	57.6	-64.14	121.74	43.44	34.47	12.29	32.6	169	49	P	H
		5745	109.46	-	-	95.26	34.5	12.3	32.6	169	49	P	H
		5745	103.36	-	-	89.16	34.5	12.3	32.6	169	49	A	H
		5612	53.64	-14.66	68.3	39.67	34.3	12.27	32.6	169	14	P	V
		5698.4	52.55	-51.47	104.02	38.46	34.4	12.29	32.6	169	14	P	V
		5720	52.91	-57.89	110.8	38.75	34.47	12.29	32.6	169	14	P	V
		5724.8	56.03	-65.71	121.74	41.87	34.47	12.29	32.6	169	14	P	V
		5745	103.88	-	-	89.68	34.5	12.3	32.6	169	14	P	V
		5745	97.79	-	-	83.59	34.5	12.3	32.6	169	14	A	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		5638.4	52.84	-15.46	68.3	38.79	34.37	12.28	32.6	176	49	P	H
		5688.6	51.67	-45.15	96.82	37.58	34.4	12.29	32.6	176	49	P	H
		5704	51.67	-54.65	106.32	37.55	34.43	12.29	32.6	176	49	P	H
		5721.4	52.04	-61.95	113.99	37.88	34.47	12.29	32.6	176	49	P	H
		5785	110.09	-	-	95.75	34.63	12.31	32.6	176	49	P	H
		5785	103.98	-	-	89.64	34.63	12.31	32.6	176	49	A	H
		5855	52.01	-58.79	110.8	37.42	34.87	12.32	32.6	176	49	P	H
		5855	52.01	-58.79	110.8	37.42	34.87	12.32	32.6	176	49	P	H
		5906	53.01	-29.28	82.29	38.25	35.03	12.33	32.6	176	49	P	H
		5941.4	53.57	-14.73	68.3	38.73	35.1	12.34	32.6	176	49	P	H
		5645.2	51.9	-16.4	68.3	37.85	34.37	12.28	32.6	158	20	P	V
		5684.2	52.21	-41.36	93.57	38.12	34.4	12.29	32.6	158	20	P	V
		5719.8	51.21	-59.53	110.74	37.05	34.47	12.29	32.6	158	20	P	V
		5720	50.56	-60.24	110.8	36.4	34.47	12.29	32.6	158	20	P	V
		5785	104.49	-	-	90.15	34.63	12.31	32.6	158	20	P	V
		5785	98.13	-	-	83.79	34.63	12.31	32.6	158	20	A	V
		5852.4	50.38	-66.35	116.73	35.86	34.8	12.32	32.6	158	20	P	V
		5867	51.71	-55.73	107.44	37.12	34.87	12.32	32.6	158	20	P	V
		5881	52.91	-47.85	100.76	38.25	34.93	12.33	32.6	158	20	P	V
		5942.2	52.6	-15.7	68.3	37.76	35.1	12.34	32.6	158	20	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 165 5825MHz		5825	109.05	-	-	94.56	34.77	12.32	32.6	199	44	P	H
		5825	102.94	-	-	88.45	34.77	12.32	32.6	199	44	A	H
		5850.6	55.11	-65.72	120.83	40.59	34.8	12.32	32.6	199	44	P	H
		5857.8	53.41	-56.6	110.01	38.82	34.87	12.32	32.6	199	44	P	H
		5912.8	54.13	-23.14	77.27	39.37	35.03	12.33	32.6	199	44	P	H
		5941.6	52.66	-15.64	68.3	37.82	35.1	12.34	32.6	199	44	P	H
		5825	106.78	-	-	92.29	34.77	12.32	32.6	156	22	P	V
		5825	100.65	-	-	86.16	34.77	12.32	32.6	156	22	A	V
		5850.2	54.39	-67.35	121.74	39.87	34.8	12.32	32.6	156	22	P	V
		5857	52.13	-58.11	110.24	37.54	34.87	12.32	32.6	156	22	P	V
		5907.4	52.78	-28.47	81.25	38.02	35.03	12.33	32.6	156	22	P	V
		5929.4	52.36	-15.94	68.3	37.55	35.07	12.34	32.6	156	22	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

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 149 5745MHz		11490	47.2	-26.8	74	43.49	38.19	16.53	51.01	-	-	P	H
		17235	49.87	-18.43	68.3	42.96	41.86	18.46	53.41	-	-	P	H
		11490	47.84	-26.16	74	44.13	38.19	16.53	51.01	-	-	P	V
		17235	49	-19.3	68.3	42.09	41.86	18.46	53.41	-	-	P	V
802.11a CH 157 5785MHz		11570	47.89	-26.11	74	44.07	38.26	16.55	50.99	-	-	P	H
		17355	49.58	-18.72	68.3	42.66	41.74	18.5	53.32	-	-	P	H
		11570	47.32	-26.68	74	43.5	38.26	16.55	50.99	-	-	P	V
		17355	49.71	-18.59	68.3	42.79	41.74	18.5	53.32	-	-	P	V
802.11a CH 165 5825MHz		11650	47.48	-26.52	74	43.56	38.32	16.57	50.97	-	-	P	H
		17475	50.44	-17.86	68.3	43.49	41.63	18.55	53.23	-	-	P	H
		11650	47.34	-26.66	74	43.42	38.32	16.57	50.97	-	-	P	V
		17475	51.75	-16.55	68.3	44.8	41.63	18.55	53.23	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		5618.8	52.59	-15.71	68.3	38.59	34.33	12.27	32.6	192	49	P	H
		5686.2	52.16	-42.89	95.05	38.07	34.4	12.29	32.6	192	49	P	H
		5716.8	52.7	-57.21	109.91	38.58	34.43	12.29	32.6	192	49	P	H
		5724	55.81	-64.11	119.92	41.65	34.47	12.29	32.6	192	49	P	H
		5745	109.04	-	-	94.84	34.5	12.3	32.6	192	49	P	H
		5745	102.89	-	-	88.69	34.5	12.3	32.6	192	49	A	H
		5624.8	52.23	-16.07	68.3	38.23	34.33	12.27	32.6	190	15	P	V
		5687.6	52.6	-43.48	96.08	38.51	34.4	12.29	32.6	190	15	P	V
		5704.8	51.41	-55.14	106.55	37.29	34.43	12.29	32.6	190	15	P	V
		5723.2	51.89	-66.21	118.1	37.73	34.47	12.29	32.6	190	15	P	V
		5745	103.89	-	-	89.69	34.5	12.3	32.6	190	15	P	V
		5745	98.69	-	-	84.49	34.5	12.3	32.6	190	15	A	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 157 5785MHz		5616.2	52.66	-15.64	68.3	38.66	34.33	12.27	32.6	195	59	P	H
		5692.8	52.93	-46.98	99.91	38.84	34.4	12.29	32.6	195	59	P	H
		5707.2	51.5	-55.72	107.22	37.38	34.43	12.29	32.6	195	59	P	H
		5723.6	50.7	-68.31	119.01	36.54	34.47	12.29	32.6	195	59	P	H
		5785	108.9	-	-	94.56	34.63	12.31	32.6	195	59	P	H
		5785	102.73	-	-	88.39	34.63	12.31	32.6	195	59	A	H
		5852.6	51.51	-64.76	116.27	36.99	34.8	12.32	32.6	195	59	P	H
		5866.6	52.63	-54.92	107.55	38.04	34.87	12.32	32.6	195	59	P	H
		5897.2	52.44	-36.34	88.78	37.71	35	12.33	32.6	195	59	P	H
		5947.8	53.39	-14.91	68.3	38.55	35.1	12.34	32.6	195	59	P	H
		5635.6	51.96	-16.34	68.3	37.91	34.37	12.28	32.6	187	18	P	V
		5653.2	52.12	-18.55	70.67	38.04	34.4	12.28	32.6	187	18	P	V
		5714.2	51.13	-58.05	109.18	37.01	34.43	12.29	32.6	187	18	P	V
		5722	50.21	-65.15	115.36	36.05	34.47	12.29	32.6	187	18	P	V
		5785	103.9	-	-	89.56	34.63	12.31	32.6	187	18	P	V
		5785	97.81	-	-	83.47	34.63	12.31	32.6	187	18	A	V
		5853.8	49.96	-63.58	113.54	35.37	34.87	12.32	32.6	187	18	P	V
		5873	51.76	-54	105.76	37.11	34.93	12.32	32.6	187	18	P	V
		5919.6	52.71	-19.56	72.27	37.95	35.03	12.33	32.6	187	18	P	V
		5939	52.01	-16.29	68.3	37.17	35.1	12.34	32.6	187	18	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 165 5825MHz		5825	111.17	-	-	96.68	34.77	12.32	32.6	192	61	P	H
		5825	105.01	-	-	90.52	34.77	12.32	32.6	192	61	A	H
		5850.6	53.4	-67.43	120.83	38.88	34.8	12.32	32.6	192	61	P	H
		5855.4	51.97	-58.72	110.69	37.38	34.87	12.32	32.6	192	61	P	H
		5921.8	53.3	-17.35	70.65	38.5	35.07	12.33	32.6	192	61	P	H
		5929.6	52.52	-15.78	68.3	37.71	35.07	12.34	32.6	192	61	P	H
		5825	104.73	-	-	90.24	34.77	12.32	32.6	180	11	P	V
		5825	98.61	-	-	84.12	34.77	12.32	32.6	180	11	A	V
		5850	53.06	-69.14	122.2	38.54	34.8	12.32	32.6	180	11	P	V
		5855.6	52.08	-58.55	110.63	37.49	34.87	12.32	32.6	180	11	P	V
		5905	53.74	-29.28	83.02	38.98	35.03	12.33	32.6	180	11	P	V
		5925.4	52.9	-15.4	68.3	38.09	35.07	12.34	32.6	180	11	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		11490	47.14	-26.86	74	43.43	38.19	16.53	51.01	-	-	P	H
		17235	49.95	-18.35	68.3	43.04	41.86	18.46	53.41	-	-	P	H
		11490	47.79	-26.21	74	44.08	38.19	16.53	51.01	-	-	P	V
		17235	49.72	-18.58	68.3	42.81	41.86	18.46	53.41	-	-	P	V
802.11n HT20 CH 157 5785MHz		11570	47.76	-26.24	74	43.94	38.26	16.55	50.99	-	-	P	H
		17355	50.22	-18.08	68.3	43.3	41.74	18.5	53.32	-	-	P	H
		11570	46.95	-27.05	74	43.13	38.26	16.55	50.99	-	-	P	V
		17355	50.11	-18.19	68.3	43.19	41.74	18.5	53.32	-	-	P	V
802.11n HT20 CH 165 5825MHz		11650	47.18	-26.82	74	43.26	38.32	16.57	50.97	-	-	P	H
		17475	51.98	-16.32	68.3	45.03	41.63	18.55	53.23	-	-	P	H
		11650	47.3	-26.7	74	43.38	38.32	16.57	50.97	-	-	P	V
		17475	51.69	-16.61	68.3	44.74	41.63	18.55	53.23	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 151 5755MHz		5622.4	52.96	-15.34	68.3	38.96	34.33	12.27	32.6	184	40	P	H
		5699	53.06	-51.41	104.47	38.97	34.4	12.29	32.6	184	40	P	H
		5719	60.79	-49.73	110.52	46.63	34.47	12.29	32.6	184	40	P	H
		5724.8	63.91	-57.83	121.74	49.75	34.47	12.29	32.6	184	40	P	H
		5755	106.07	-	-	91.8	34.57	12.3	32.6	184	40	P	H
		5755	100.03	-	-	85.76	34.57	12.3	32.6	184	40	A	H
		5851.4	51.63	-67.38	119.01	37.11	34.8	12.32	32.6	184	40	P	H
		5859.4	53.42	-56.15	109.57	38.83	34.87	12.32	32.6	184	40	P	H
		5918.6	52.43	-20.58	73.01	37.67	35.03	12.33	32.6	184	40	P	H
		5948.8	53.98	-14.32	68.3	39.14	35.1	12.34	32.6	184	40	P	H
		5610.2	51.58	-16.72	68.3	37.61	34.3	12.27	32.6	154	16	P	V
		5656.4	52.21	-20.83	73.04	38.13	34.4	12.28	32.6	154	16	P	V
		5714.6	56.75	-52.54	109.29	42.63	34.43	12.29	32.6	154	16	P	V
		5724.6	61.29	-60	121.29	47.13	34.47	12.29	32.6	154	16	P	V
		5755	101.36	-	-	87.09	34.57	12.3	32.6	154	16	P	V
		5755	95.24	-	-	80.97	34.57	12.3	32.6	154	16	A	V
		5851.4	51.64	-67.37	119.01	37.12	34.8	12.32	32.6	154	16	P	V
		5863.6	53.01	-55.38	108.39	38.42	34.87	12.32	32.6	154	16	P	V
		5878.2	52.87	-49.96	102.83	38.21	34.93	12.33	32.6	154	16	P	V
		5930.8	53.14	-15.16	68.3	38.33	35.07	12.34	32.6	154	16	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 159 5795MHz		5636.8	51.6	-16.7	68.3	37.55	34.37	12.28	32.6	178	34	P	H
		5671	51.87	-31.97	83.84	37.79	34.4	12.28	32.6	178	34	P	H
		5717.4	51.53	-58.54	110.07	37.41	34.43	12.29	32.6	178	34	P	H
		5723.8	50.65	-68.81	119.46	36.49	34.47	12.29	32.6	178	34	P	H
		5795	106.37	-	-	91.96	34.7	12.31	32.6	178	34	P	H
		5795	100.2	-	-	85.79	34.7	12.31	32.6	178	34	A	H
		5850.8	51.59	-68.79	120.38	37.07	34.8	12.32	32.6	178	34	P	H
		5855.6	53.9	-56.73	110.63	39.31	34.87	12.32	32.6	178	34	P	H
		5910.8	53.16	-25.59	78.75	38.4	35.03	12.33	32.6	178	34	P	H
		5940	53.02	-15.28	68.3	38.18	35.1	12.34	32.6	178	34	P	H
		5630.4	52.27	-16.03	68.3	38.26	34.33	12.28	32.6	160	14	P	V
		5658	51.82	-22.41	74.23	37.74	34.4	12.28	32.6	160	14	P	V
		5710	51.52	-56.48	108	37.4	34.43	12.29	32.6	160	14	P	V
		5722	50.36	-65	115.36	36.2	34.47	12.29	32.6	160	14	P	V
		5795	103.37	-	-	88.96	34.7	12.31	32.6	160	14	P	V
		5795	97.2	-	-	82.79	34.7	12.31	32.6	160	14	A	V
		5852.4	52.78	-63.95	116.73	38.26	34.8	12.32	32.6	160	14	P	V
		5865	52.64	-55.36	108	38.05	34.87	12.32	32.6	160	14	P	V
		5908.6	52.69	-27.68	80.37	37.93	35.03	12.33	32.6	160	14	P	V
		5932.6	55.32	-12.98	68.3	40.51	35.07	12.34	32.6	160	14	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 151 5755MHz		11510	47.03	-26.97	74	43.29	38.21	16.53	51	-	-	P	H
		17265	48.48	-19.82	68.3	41.57	41.83	18.47	53.39	-	-	P	H
		11510	46.88	-27.12	74	43.14	38.21	16.53	51	-	-	P	V
		17265	49.8	-18.5	68.3	42.89	41.83	18.47	53.39	-	-	P	V
802.11n HT40 CH 159 5795MHz		11590	46.74	-27.26	74	42.89	38.27	16.56	50.98	-	-	P	H
		17385	50.29	-18.01	68.3	43.36	41.71	18.51	53.29	-	-	P	H
		11590	47.1	-26.9	74	43.25	38.27	16.56	50.98	-	-	P	V
		17385	49.41	-18.89	68.3	42.48	41.71	18.51	53.29	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz		5630.8	52.83	-15.47	68.3	38.82	34.33	12.28	32.6	206	58	P	H
		5696.4	55.49	-47.06	102.55	41.4	34.4	12.29	32.6	206	58	P	H
		5715.8	58.42	-51.21	109.63	44.3	34.43	12.29	32.6	206	58	P	H
		5723.4	59.72	-58.83	118.55	45.56	34.47	12.29	32.6	206	58	P	H
		5775	101.27	-	-	86.93	34.63	12.31	32.6	206	58	P	H
		5775	95.13	-	-	80.79	34.63	12.31	32.6	206	58	A	H
		5850.2	55.48	-66.26	121.74	40.96	34.8	12.32	32.6	206	58	P	H
		5855.8	55.17	-55.41	110.58	40.58	34.87	12.32	32.6	206	58	P	H
		5894	53.64	-37.5	91.14	38.91	35	12.33	32.6	206	58	P	H
		5950	53.37	-14.93	68.3	38.53	35.1	12.34	32.6	206	58	P	H
		5648	52.31	-15.99	68.3	38.26	34.37	12.28	32.6	159	7	P	V
		5688	53.5	-42.87	96.37	39.41	34.4	12.29	32.6	159	7	P	V
		5714.8	55.6	-53.75	109.35	41.48	34.43	12.29	32.6	159	7	P	V
		5722	55.44	-59.92	115.36	41.28	34.47	12.29	32.6	159	7	P	V
		5775	96.86	-	-	82.52	34.63	12.31	32.6	159	7	P	V
		5775	90.77	-	-	76.43	34.63	12.31	32.6	159	7	A	V
		5850.2	54.82	-66.92	121.74	40.3	34.8	12.32	32.6	159	7	P	V
		5861.6	55.06	-53.89	108.95	40.47	34.87	12.32	32.6	159	7	P	V
		5913.6	53.87	-22.82	76.69	39.11	35.03	12.33	32.6	159	7	P	V
		5932.2	54.34	-13.96	68.3	39.53	35.07	12.34	32.6	159	7	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11550	47.77	-26.23	74	43.97	38.25	16.54	50.99	-	-	P	H
VHT80		17325	49.56	-18.74	68.3	42.64	41.78	18.49	53.35	-	-	P	H
CH 155		11550	47.6	-26.4	74	43.8	38.25	16.54	50.99	-	-	P	V
5775MHz		17325	49.17	-19.13	68.3	42.25	41.78	18.49	53.35	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 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)
802.11n HT20CH159 5795MHz LF		45.52	18.97	-21.03	40	31.66	20.25	2.12	35.06	-	-	P	H
		177.44	20.52	-22.98	43.5	34.64	18.32	2.66	35.1	-	-	P	H
		220.12	18.75	-27.25	46	33.91	17.11	2.79	35.06	-	-	P	H
		372.41	22.56	-23.44	46	32.71	21.44	3.27	34.86	-	-	P	H
		515	25.41	-20.59	46	32.39	24.17	3.52	34.67	-	-	P	H
		578.05	25.9	-20.1	46	31.31	25.35	3.78	34.54	-	-	P	H
		30	24.19	-15.81	40	38.49	18.85	1.85	35	-	-	P	V
		106.63	27.79	-15.71	43.5	44.64	15.87	2.47	35.19	-	-	P	V
		178.41	20.06	-23.44	43.5	34.31	18.19	2.66	35.1	-	-	P	V
		410.24	21.84	-24.16	46	31.07	22.24	3.31	34.78	-	-	P	V
		470.38	22.54	-23.46	46	30.41	23.46	3.37	34.7	-	-	P	V
		576.11	25.85	-20.15	46	31.31	25.31	3.78	34.55	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



U-NII-3 - 5725~5850MHz

WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 149 5745MHz		5608.2	53.28	-15.02	68.3	39.31	34.3	12.27	32.6	194	41	P	H
		5662	52.71	-24.48	77.19	38.63	34.4	12.28	32.6	194	41	P	H
		5716.8	54.54	-55.37	109.91	40.42	34.43	12.29	32.6	194	41	P	H
		5724.2	62.69	-57.69	120.38	48.53	34.47	12.29	32.6	194	41	P	H
		5745	108.75	-	-	94.55	34.5	12.3	32.6	194	41	P	H
		5745	102.63	-	-	88.43	34.5	12.3	32.6	194	41	A	H
		5649	51.93	-16.37	68.3	37.88	34.37	12.28	32.6	161	18	P	V
		5681.6	52.79	-38.87	91.66	38.7	34.4	12.29	32.6	161	18	P	V
		5717.2	51.65	-58.37	110.02	37.53	34.43	12.29	32.6	161	18	P	V
		5725	55.41	-66.79	122.2	41.24	34.47	12.3	32.6	161	18	P	V
		5745	103.77	-	-	89.57	34.5	12.3	32.6	161	18	P	V
		5745	97.66	-	-	83.46	34.5	12.3	32.6	161	18	A	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 157 5785MHz		5631.8	52.03	-16.27	68.3	38.02	34.33	12.28	32.6	192	61	P	H
		5686.2	51.61	-43.44	95.05	37.52	34.4	12.29	32.6	192	61	P	H
		5704.8	51.46	-55.09	106.55	37.34	34.43	12.29	32.6	192	61	P	H
		5724.8	50.29	-71.45	121.74	36.13	34.47	12.29	32.6	192	61	P	H
		5785	110.1	-	-	95.76	34.63	12.31	32.6	192	61	P	H
		5785	104.02	-	-	89.68	34.63	12.31	32.6	192	61	A	H
		5852.6	53.26	-63.01	116.27	38.74	34.8	12.32	32.6	192	61	P	H
		5873.6	52.56	-53.03	105.59	37.91	34.93	12.32	32.6	192	61	P	H
		5877	53.2	-50.52	103.72	38.54	34.93	12.33	32.6	192	61	P	H
		5942.6	54.14	-14.16	68.3	39.3	35.1	12.34	32.6	192	61	P	H
		5645.6	52.41	-15.89	68.3	38.36	34.37	12.28	32.6	158	7	P	V
		5668.4	52.19	-29.73	81.92	38.11	34.4	12.28	32.6	158	7	P	V
		5706	51.46	-55.42	106.88	37.34	34.43	12.29	32.6	158	7	P	V
		5720.4	50.86	-60.85	111.71	36.7	34.47	12.29	32.6	158	7	P	V
		5785	105.61	-	-	91.27	34.63	12.31	32.6	158	7	P	V
		5785	99.5	-	-	85.16	34.63	12.31	32.6	158	7	A	V
		5852.8	51.31	-64.51	115.82	36.79	34.8	12.32	32.6	158	7	P	V
		5869.2	51.89	-54.93	106.82	37.3	34.87	12.32	32.6	158	7	P	V
		5897.8	52.64	-35.69	88.33	37.91	35	12.33	32.6	158	7	P	V
		5925.6	52.86	-15.44	68.3	38.05	35.07	12.34	32.6	158	7	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 165 5825MHz		5825	109.87	-	-	95.38	34.77	12.32	32.6	197	52	P	H
		5825	103.73	-	-	89.24	34.77	12.32	32.6	197	52	A	H
		5850.8	55.47	-64.91	120.38	40.95	34.8	12.32	32.6	197	52	P	H
		5857.8	52.14	-57.87	110.01	37.55	34.87	12.32	32.6	197	52	P	H
		5876.6	52.69	-51.32	104.01	38.03	34.93	12.33	32.6	197	52	P	H
		5948.6	52.15	-16.15	68.3	37.31	35.1	12.34	32.6	197	52	P	H
		5825	105.55	-	-	91.06	34.77	12.32	32.6	172	12	P	V
		5825	99.35	-	-	84.86	34.77	12.32	32.6	172	12	A	V
		5852.2	54.67	-62.51	117.18	40.15	34.8	12.32	32.6	172	12	P	V
		5855.4	54.34	-56.35	110.69	39.75	34.87	12.32	32.6	172	12	P	V
		5923.8	53.17	-16.01	69.18	38.37	35.07	12.33	32.6	172	12	P	V
		5930.4	52.76	-15.54	68.3	37.95	35.07	12.34	32.6	172	12	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

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		11490	47.3	-26.7	74	43.59	38.19	16.53	51.01	-	-	P	H
HE20 Full		17235	49.22	-19.08	68.3	42.31	41.86	18.46	53.41	-	-	P	H
CH 149		11490	46.8	-27.2	74	43.09	38.19	16.53	51.01	-	-	P	V
5745MHz		17235	49.33	-18.97	68.3	42.42	41.86	18.46	53.41	-	-	P	V
802.11ax		11570	47.63	-26.37	74	43.81	38.26	16.55	50.99	-	-	P	H
HE20 Full		17355	49.48	-18.82	68.3	42.56	41.74	18.5	53.32	-	-	P	H
CH 157		11570	47.3	-26.7	74	43.48	38.26	16.55	50.99	-	-	P	V
5785MHz		17355	50	-18.3	68.3	43.08	41.74	18.5	53.32	-	-	P	V
802.11ax		11650	46.82	-27.18	74	42.9	38.32	16.57	50.97	-	-	P	H
HE20 Full		17475	49.27	-19.03	68.3	42.32	41.63	18.55	53.23	-	-	P	H
CH 165		11650	47.01	-26.99	74	43.09	38.32	16.57	50.97	-	-	P	V
5825MHz		17475	49.79	-18.51	68.3	42.84	41.63	18.55	53.23	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

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 151 5755MHz		5644	52.62	-15.68	68.3	38.57	34.37	12.28	32.6	189	37	P	H
		5693.8	52.89	-47.75	100.64	38.8	34.4	12.29	32.6	189	37	P	H
		5717.8	60.45	-49.73	110.18	46.29	34.47	12.29	32.6	189	37	P	H
		5724.4	61.77	-59.06	120.83	47.61	34.47	12.29	32.6	189	37	P	H
		5755	105.71	-	-	91.44	34.57	12.3	32.6	189	37	P	H
		5755	99.23	-	-	84.96	34.57	12.3	32.6	189	37	A	H
		5852.2	52.94	-64.24	117.18	38.42	34.8	12.32	32.6	189	37	P	H
		5873	52.22	-53.54	105.76	37.57	34.93	12.32	32.6	189	37	P	H
		5906.2	54.17	-27.97	82.14	39.41	35.03	12.33	32.6	189	37	P	H
		5940	54.32	-13.98	68.3	39.48	35.1	12.34	32.6	189	37	P	H
		5628.6	52.26	-16.04	68.3	38.25	34.33	12.28	32.6	159	19	P	V
		5652.6	52.69	-17.54	70.23	38.61	34.4	12.28	32.6	159	19	P	V
		5720	55.39	-55.41	110.8	41.23	34.47	12.29	32.6	159	19	P	V
		5724	57.33	-62.59	119.92	43.17	34.47	12.29	32.6	159	19	P	V
		5755	101.1	-	-	86.83	34.57	12.3	32.6	159	19	P	V
		5755	94.84	-	-	80.57	34.57	12.3	32.6	159	19	A	V
		5854.6	51.89	-59.82	111.71	37.3	34.87	12.32	32.6	159	19	P	V
		5871.2	51.69	-54.57	106.26	37.04	34.93	12.32	32.6	159	19	P	V
		5918.8	52.54	-20.32	72.86	37.78	35.03	12.33	32.6	159	19	P	V
		5928.4	52.92	-15.38	68.3	38.11	35.07	12.34	32.6	159	19	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 159 5795MHz		5626	52.82	-15.48	68.3	38.81	34.33	12.28	32.6	189	44	P	H
		5678.6	53.21	-36.24	89.45	39.12	34.4	12.29	32.6	189	44	P	H
		5716.4	51.57	-58.22	109.79	37.45	34.43	12.29	32.6	189	44	P	H
		5723.6	51.35	-67.66	119.01	37.19	34.47	12.29	32.6	189	44	P	H
		5795	107.55	-	-	93.14	34.7	12.31	32.6	189	44	P	H
		5795	101.38	-	-	86.97	34.7	12.31	32.6	189	44	A	H
		5853.6	52.48	-61.51	113.99	37.89	34.87	12.32	32.6	189	44	P	H
		5872.4	51.98	-53.95	105.93	37.33	34.93	12.32	32.6	189	44	P	H
		5897.6	53.27	-35.21	88.48	38.54	35	12.33	32.6	189	44	P	H
		5943.6	54.14	-14.16	68.3	39.3	35.1	12.34	32.6	189	44	P	H
		5600.4	52.41	-15.89	68.3	38.44	34.3	12.27	32.6	165	11	P	V
		5694.6	51.55	-49.68	101.23	37.46	34.4	12.29	32.6	165	11	P	V
		5711.2	50.63	-57.71	108.34	36.51	34.43	12.29	32.6	165	11	P	V
		5721.8	49.78	-65.12	114.9	35.62	34.47	12.29	32.6	165	11	P	V
		5795	102.26	-	-	87.85	34.7	12.31	32.6	165	11	P	V
		5795	96.14	-	-	81.73	34.7	12.31	32.6	165	11	A	V
		5852.4	50.92	-65.81	116.73	36.4	34.8	12.32	32.6	165	11	P	V
		5873.6	53.17	-52.42	105.59	38.52	34.93	12.32	32.6	165	11	P	V
		5923.4	54.18	-15.3	69.48	39.38	35.07	12.33	32.6	165	11	P	V
		5932.4	53.11	-15.19	68.3	38.3	35.07	12.34	32.6	165	11	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

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)	Preampl Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11510	47.17	-26.83	74	43.43	38.21	16.53	51	-	-	P	H
HE40 Full		17265	49.06	-19.24	68.3	42.15	41.83	18.47	53.39	-	-	P	H
CH 151		11510	47.86	-26.14	74	44.12	38.21	16.53	51	-	-	P	V
5755MHz		17265	49.15	-19.15	68.3	42.24	41.83	18.47	53.39	-	-	P	V
802.11ax		11590	46.49	-27.51	74	42.64	38.27	16.56	50.98	-	-	P	H
HE40 Full		17385	49.2	-19.1	68.3	42.27	41.71	18.51	53.29	-	-	P	H
CH 159		11590	47.32	-26.68	74	43.47	38.27	16.56	50.98	-	-	P	V
5795MHz		17385	50.09	-18.21	68.3	43.16	41.71	18.51	53.29	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

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 155 5775MHz		5637	52.16	-16.14	68.3	38.11	34.37	12.28	32.6	186	60	P	H
		5695.4	54.35	-47.47	101.82	40.26	34.4	12.29	32.6	186	60	P	H
		5715.6	58.7	-50.87	109.57	44.58	34.43	12.29	32.6	186	60	P	H
		5724	58.79	-61.13	119.92	44.63	34.47	12.29	32.6	186	60	P	H
		5775	104.03	-	-	89.69	34.63	12.31	32.6	186	60	P	H
		5775	97.91	-	-	83.57	34.63	12.31	32.6	186	60	A	H
		5852.4	59.09	-57.64	116.73	44.57	34.8	12.32	32.6	186	60	P	H
		5863.4	56.68	-51.77	108.45	42.09	34.87	12.32	32.6	186	60	P	H
		5884.6	54.06	-44.03	98.09	39.4	34.93	12.33	32.6	186	60	P	H
		5948	53.08	-15.22	68.3	38.24	35.1	12.34	32.6	186	60	P	H
		5615.6	53.19	-15.11	68.3	39.19	34.33	12.27	32.6	166	19	P	V
		5683.8	52.39	-40.89	93.28	38.3	34.4	12.29	32.6	166	19	P	V
		5716.8	54.9	-55.01	109.91	40.78	34.43	12.29	32.6	166	19	P	V
		5721.8	55.3	-59.6	114.9	41.14	34.47	12.29	32.6	166	19	P	V
		5775	99.16	-	-	84.82	34.63	12.31	32.6	166	19	P	V
		5775	93.03	-	-	78.69	34.63	12.31	32.6	166	19	A	V
		5852.4	56.86	-59.87	116.73	42.34	34.8	12.32	32.6	166	19	P	V
		5862.2	54.09	-54.69	108.78	39.5	34.87	12.32	32.6	166	19	P	V
		5909.2	54.13	-25.8	79.93	39.37	35.03	12.33	32.6	166	19	P	V
		5940.8	53.03	-15.27	68.3	38.19	35.1	12.34	32.6	166	19	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

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		11550	47.39	-26.61	74	43.59	38.25	16.54	50.99	-	-	P	H
HE80 Full		17325	49.44	-18.86	68.3	42.52	41.78	18.49	53.35	-	-	P	H
CH 155		11550	46.74	-27.26	74	42.94	38.25	16.54	50.99	-	-	P	V
5775MHz		17325	49.36	-18.94	68.3	42.44	41.78	18.49	53.35	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Partial RU

U-NII-3 - 5725~5850MHz

WIFI 802.11ax HE20_Partial RU (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamplifier Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial RU CH 149 5745MHz		5601.2	52.57	-15.73	68.3	38.6	34.3	12.27	32.6	349	360	P	H
		5665	52.78	-26.62	79.4	38.7	34.4	12.28	32.6	349	360	P	H
		5708.4	52.27	-55.28	107.55	38.15	34.43	12.29	32.6	349	360	P	H
		5723.6	51.7	-67.31	119.01	37.54	34.47	12.29	32.6	349	360	P	H
		5745	106.54	-	-	92.34	34.5	12.3	32.6	349	360	P	H
		5745	100.44	-	-	86.24	34.5	12.3	32.6	349	360	A	H
		5623	53.51	-14.79	68.3	39.51	34.33	12.27	32.6	353	359	P	V
		5690.6	52.54	-45.75	98.29	38.45	34.4	12.29	32.6	353	359	P	V
		5706.8	52.75	-54.36	107.11	38.63	34.43	12.29	32.6	353	359	P	V
		5722.8	51.66	-65.52	117.18	37.5	34.47	12.29	32.6	353	359	P	V
		5745	102.32	-	-	88.12	34.5	12.3	32.6	353	359	P	V
		5745	96.16	-	-	81.96	34.5	12.3	32.6	353	359	A	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial RU CH 165 5825MHz		5825	108.44	-	-	93.95	34.77	12.32	32.6	343	308	P	H
		5825	102.17	-	-	87.68	34.77	12.32	32.6	343	308	A	H
		5850.2	52.98	-68.76	121.74	38.46	34.8	12.32	32.6	343	308	P	H
		5860.6	53.82	-55.41	109.23	39.23	34.87	12.32	32.6	343	308	P	H
		5919.2	53.97	-18.59	72.56	39.21	35.03	12.33	32.6	343	308	P	H
		5931	54.03	-14.27	68.3	39.22	35.07	12.34	32.6	343	308	P	H
		5825	102.76	-	-	88.27	34.77	12.32	32.6	350	237	P	V
		5825	96.64	-	-	82.15	34.77	12.32	32.6	350	237	A	V
		5851.2	52	-67.46	119.46	37.48	34.8	12.32	32.6	350	237	P	V
		5869.2	53.8	-53.02	106.82	39.21	34.87	12.32	32.6	350	237	P	V
		5898.4	54.52	-33.37	87.89	39.79	35	12.33	32.6	350	237	P	V
		5932.2	54.54	-13.76	68.3	39.73	35.07	12.34	32.6	350	237	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

WIFI 802.11ax HE20_Partial RU (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial CH 149 5745MHz		11490	47.28	-26.72	74	43.57	38.19	16.53	51.01	-	-	P	H
		17235	48.48	-19.82	68.3	41.57	41.86	18.46	53.41	-	-	P	H
		11490	47.91	-26.09	74	44.2	38.19	16.53	51.01	-	-	P	V
		17235	48.8	-19.5	68.3	41.89	41.86	18.46	53.41	-	-	P	V
802.11ax HE20 Partial RU CH 165 5825MHz		11650	46.13	-27.87	74	42.21	38.32	16.57	50.97	-	-	P	H
		17475	49.41	-18.89	68.3	42.46	41.63	18.55	53.23	-	-	P	H
		11650	47.11	-26.89	74	43.19	38.32	16.57	50.97	-	-	P	V
		17475	49.49	-18.81	68.3	42.54	41.63	18.55	53.23	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

WIFI 802.11ax HE40_Partial RU (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 RU CH 151 5755MHz		5618	53.77	-14.53	68.3	39.77	34.33	12.27	32.6	240	39	P	H
		5699.6	55.51	-49.4	104.91	41.42	34.4	12.29	32.6	240	39	P	H
		5719.8	69.6	-41.14	110.74	55.44	34.47	12.29	32.6	240	39	P	H
		5721	71.83	-41.25	113.08	57.67	34.47	12.29	32.6	240	39	P	H
		5755	108.95	-	-	94.68	34.57	12.3	32.6	240	39	P	H
		5755	99.97	-	-	85.7	34.57	12.3	32.6	240	39	A	H
		5850.8	53.62	-66.76	120.38	39.1	34.8	12.32	32.6	240	39	P	H
		5860.2	53.83	-55.51	109.34	39.24	34.87	12.32	32.6	240	39	P	H
		5902.4	54.19	-30.75	84.94	39.46	35	12.33	32.6	240	39	P	H
		5948.4	54.32	-13.98	68.3	39.48	35.1	12.34	32.6	240	39	P	H
		5624.6	52.5	-15.8	68.3	38.5	34.33	12.27	32.6	344	167	P	V
		5689.8	51.98	-45.72	97.7	37.89	34.4	12.29	32.6	344	167	P	V
		5719.2	51.64	-58.94	110.58	37.48	34.47	12.29	32.6	344	167	P	V
		5724.4	57.6	-63.23	120.83	43.44	34.47	12.29	32.6	344	167	P	V
		5755	101.83	-	-	87.56	34.57	12.3	32.6	344	167	P	V
		5755	94.07	-	-	79.8	34.57	12.3	32.6	344	167	A	V
		5854	50.84	-62.24	113.08	36.25	34.87	12.32	32.6	344	167	P	V
		5862	51.9	-56.94	108.84	37.31	34.87	12.32	32.6	344	167	P	V
		5880.4	53.14	-48.06	101.2	38.48	34.93	12.33	32.6	344	167	P	V
		5930.2	51.59	-16.71	68.3	36.78	35.07	12.34	32.6	344	167	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial RU CH 159 5795MHz		5642	52.57	-15.73	68.3	38.52	34.37	12.28	32.6	240	36	P	H
		5683.8	52.41	-40.87	93.28	38.32	34.4	12.29	32.6	240	36	P	H
		5705.6	51.57	-55.2	106.77	37.45	34.43	12.29	32.6	240	36	P	H
		5724.2	50.74	-69.64	120.38	36.58	34.47	12.29	32.6	240	36	P	H
		5795	108.52	-	-	94.11	34.7	12.31	32.6	240	36	P	H
		5795	100.85	-	-	86.44	34.7	12.31	32.6	240	36	A	H
		5852.2	54.42	-62.76	117.18	39.9	34.8	12.32	32.6	240	36	P	H
		5874.4	53.99	-51.38	105.37	39.34	34.93	12.32	32.6	240	36	P	H
		5924.2	54.49	-14.4	68.89	39.69	35.07	12.33	32.6	240	36	P	H
		5932.6	53.99	-14.31	68.3	39.18	35.07	12.34	32.6	240	36	P	H
		5608.8	54.5	-13.8	68.3	40.53	34.3	12.27	32.6	344	167	P	V
		5680	53.42	-37.06	90.48	39.33	34.4	12.29	32.6	344	167	P	V
		5712.6	52.61	-56.12	108.73	38.49	34.43	12.29	32.6	344	167	P	V
		5722	51.53	-63.83	115.36	37.37	34.47	12.29	32.6	344	167	P	V
		5795	101.61	-	-	87.2	34.7	12.31	32.6	344	167	P	V
		5795	92.96	-	-	78.55	34.7	12.31	32.6	344	167	A	V
		5853.8	52.59	-60.95	113.54	38	34.87	12.32	32.6	344	167	P	V
		5855.4	53.27	-57.42	110.69	38.68	34.87	12.32	32.6	344	167	P	V
		5921.8	54.85	-15.8	70.65	40.05	35.07	12.33	32.6	344	167	P	V
		5944.8	53.63	-14.67	68.3	38.79	35.1	12.34	32.6	344	167	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

WIFI 802.11ax HE40_Partial RU (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial RU CH 151 5755MHz		11510	46.08	-27.92	74	42.34	38.21	16.53	51	-	-	P	H
		17265	49.35	-18.95	68.3	42.44	41.83	18.47	53.39	-	-	P	H
		11510	47.14	-26.86	74	43.4	38.21	16.53	51	-	-	P	V
		17265	48.33	-19.97	68.3	41.42	41.83	18.47	53.39	-	-	P	V
802.11ax HE40 Partial RU CH 159 5795MHz		11590	47.67	-26.33	74	43.82	38.27	16.56	50.98	-	-	P	H
		17385	49.64	-18.66	68.3	42.71	41.71	18.51	53.29	-	-	P	H
		11590	47.03	-26.97	74	43.18	38.27	16.56	50.98	-	-	P	V
		17385	50.61	-17.69	68.3	43.68	41.71	18.51	53.29	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

WIFI 802.11ax HE80_Partial RU 484/65 (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 RU484/65 CH 155 5775MHz		5609.2	54.2	-14.1	68.3	40.23	34.3	12.27	32.6	240	36	P	H
		5680	59.69	-30.79	90.48	45.6	34.4	12.29	32.6	240	36	P	H
		5720	69.84	-40.96	110.8	55.68	34.47	12.29	32.6	240	36	P	H
		5721.2	68.22	-45.32	113.54	54.06	34.47	12.29	32.6	240	36	P	H
		5775	105.23	-	-	90.89	34.63	12.31	32.6	240	36	P	H
		5775	98.63	-	-	84.29	34.63	12.31	32.6	240	36	A	H
		5854.8	65.17	-46.09	111.26	50.58	34.87	12.32	32.6	240	36	P	H
		5859.8	66.49	-42.96	109.45	51.9	34.87	12.32	32.6	240	36	P	H
		5875	57.06	-48.14	105.2	42.4	34.93	12.33	32.6	240	36	P	H
		5928.6	54.43	-13.87	68.3	39.62	35.07	12.34	32.6	240	36	P	H
		5645.4	53.19	-15.11	68.3	39.14	34.37	12.28	32.6	340	167	P	V
		5682.6	55.4	-37	92.4	41.31	34.4	12.29	32.6	340	167	P	V
		5719.8	58.49	-52.25	110.74	44.33	34.47	12.29	32.6	340	167	P	V
		5722.6	59.52	-57.21	116.73	45.36	34.47	12.29	32.6	340	167	P	V
		5775	98.27	-	-	83.93	34.63	12.31	32.6	340	167	P	V
		5775	90.93	-	-	76.59	34.63	12.31	32.6	340	167	A	V
		5851.4	53.07	-65.94	119.01	38.55	34.8	12.32	32.6	340	167	P	V
		5866.2	54.69	-52.97	107.66	40.1	34.87	12.32	32.6	340	167	P	V
		5921.2	54.39	-16.7	71.09	39.63	35.03	12.33	32.6	340	167	P	V
		5929.6	53.12	-15.18	68.3	38.31	35.07	12.34	32.6	340	167	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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 RU484/66 CH 155 5775MHz		5637.6	53.22	-15.08	68.3	39.17	34.37	12.28	32.6	240	36	P	H
		5666.2	58.48	-21.81	80.29	44.4	34.4	12.28	32.6	240	36	P	H
		5719.8	69.54	-41.2	110.74	55.38	34.47	12.29	32.6	240	36	P	H
		5720	67.09	-43.71	110.8	52.93	34.47	12.29	32.6	240	36	P	H
		5775	105.94	-	-	91.6	34.63	12.31	32.6	240	36	P	H
		5775	98.92	-	-	84.58	34.63	12.31	32.6	240	36	A	H
		5854.6	65.45	-46.26	111.71	50.86	34.87	12.32	32.6	240	36	P	H
		5865.2	64.2	-43.74	107.94	49.61	34.87	12.32	32.6	240	36	P	H
		5876.2	59.35	-44.96	104.31	44.69	34.93	12.33	32.6	240	36	P	H
		5930	53.96	-14.34	68.3	39.15	35.07	12.34	32.6	240	36	P	H
		5643	53.19	-15.11	68.3	39.14	34.37	12.28	32.6	340	167	P	V
		5677.2	54.93	-33.48	88.41	40.84	34.4	12.29	32.6	340	167	P	V
		5713	60.45	-48.39	108.84	46.33	34.43	12.29	32.6	340	167	P	V
		5721.6	60.75	-53.7	114.45	46.59	34.47	12.29	32.6	340	167	P	V
		5775	102.37	-	-	88.03	34.63	12.31	32.6	340	167	P	V
		5775	96.44	-	-	82.1	34.63	12.31	32.6	340	167	A	V
		5853	56.83	-58.53	115.36	42.31	34.8	12.32	32.6	340	167	P	V
		5866.8	55.97	-51.52	107.49	41.38	34.87	12.32	32.6	340	167	P	V
		5888.8	54.29	-40.69	94.98	39.56	35	12.33	32.6	340	167	P	V
		5934.4	53.94	-14.36	68.3	39.13	35.07	12.34	32.6	340	167	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz

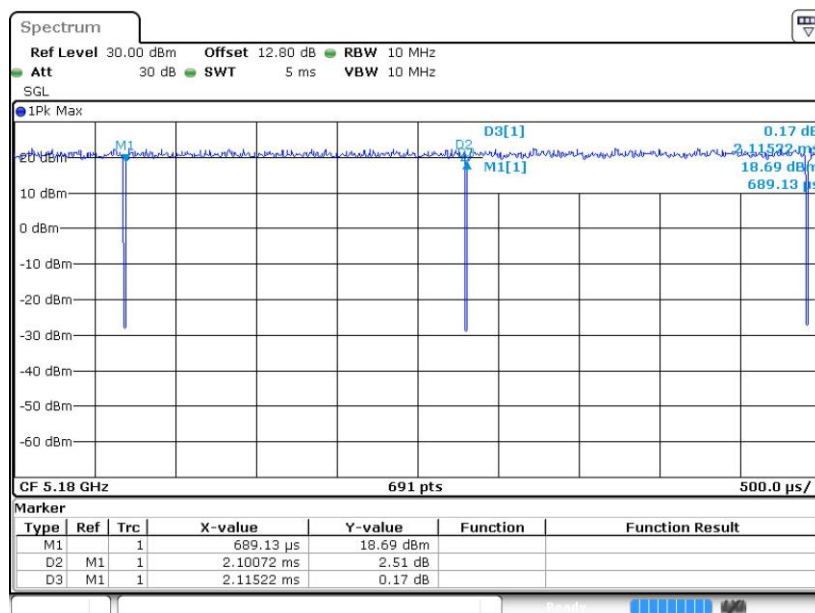
WIFI 802.11ax HE80_Partial RU (Harmonic @ 3m)

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		11550	47.91	-26.09	74	44.11	38.25	16.54	50.99	-	-	P	H
HE80		17325	48.54	-19.76	68.3	41.62	41.78	18.49	53.35	-	-	P	H
Partial		11550	47.12	-26.88	74	43.32	38.25	16.54	50.99	-	-	P	V
RU484/65													
CH 155		17325	49.31	-18.99	68.3	42.39	41.78	18.49	53.35	-	-	P	V
5775MHz													
802.11ax		11550	47.79	-26.21	74	43.99	38.25	16.54	50.99	-	-	P	H
HE80		17325	50.3	-18	68.3	43.38	41.78	18.49	53.35	-	-	P	H
Partial		11550	46.91	-27.09	74	43.11	38.25	16.54	50.99	-	-	P	V
RU484/66													
CH 155		17325	49.28	-19.02	68.3	42.36	41.78	18.49	53.35	-	-	P	V
5775MHz													
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	99.31	-	-	10Hz
802.11n HT20	100	-	-	10Hz
802.11n HT40	100	-	-	10Hz
802.11ac VHT80	100	-	-	10Hz
802.11ac VHT160	100	-	-	10Hz
802.11ax HE20	100	-	-	10Hz
802.11ax HE40	100	-	-	10Hz
802.11ax HE80	100	-	-	10Hz
802.11ax HE160	100	-	-	10Hz

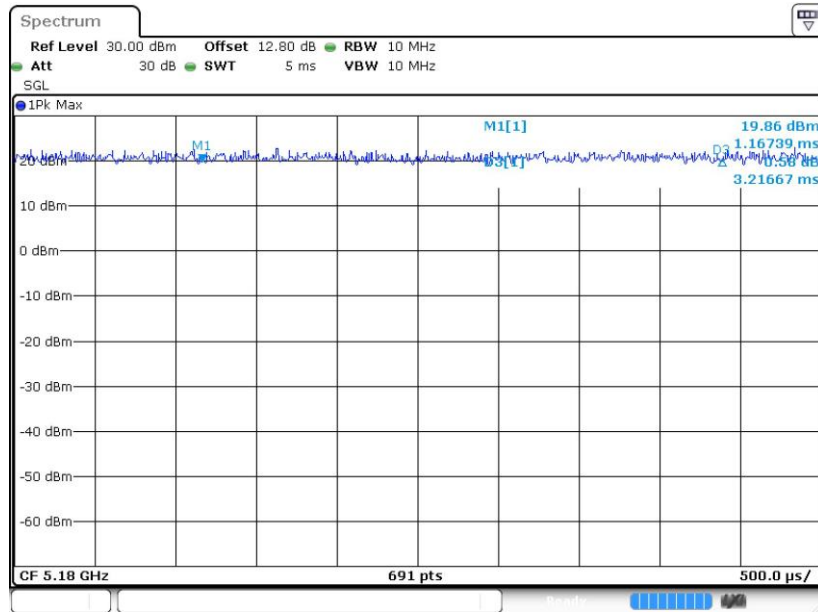
802.11a



Date: 29.OCT.2021 15:58:05

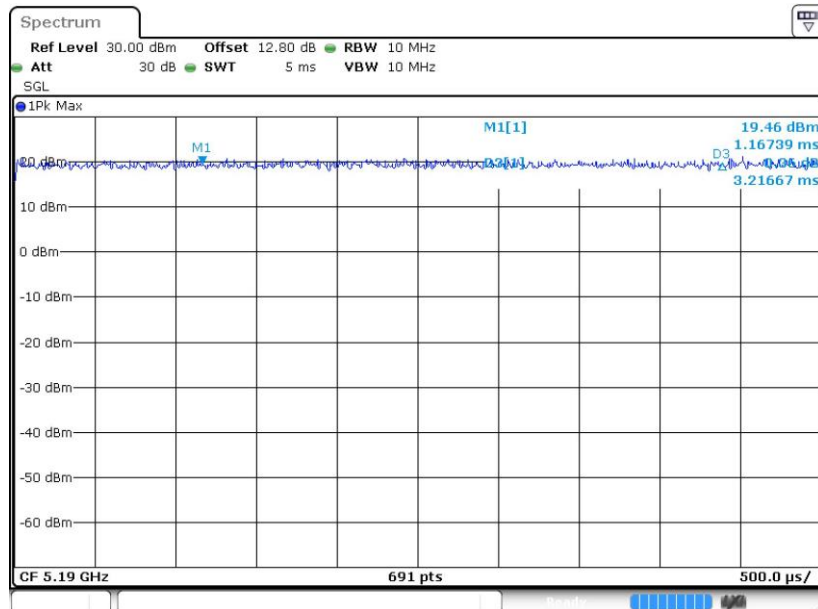


802.11n HT20



Date: 29.OCT.2021 15:55:09

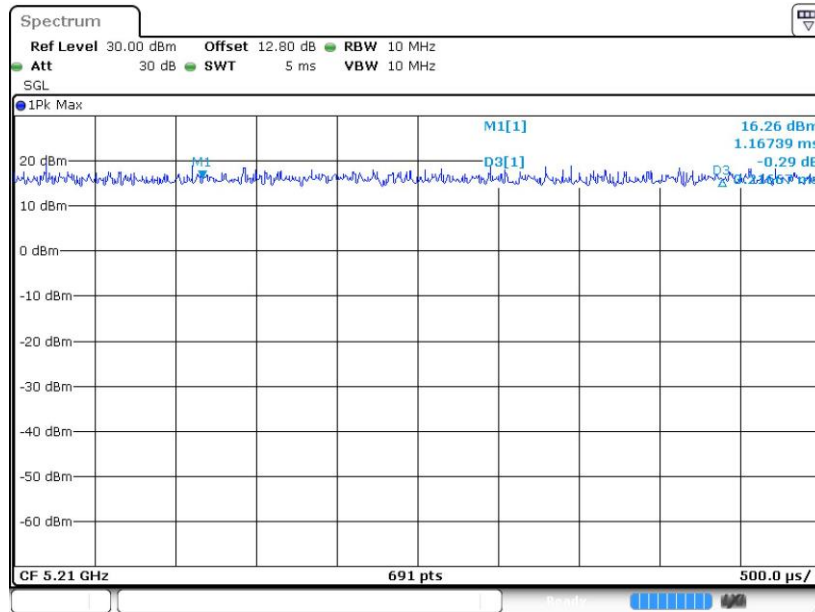
802.11n HT40



Date: 29.OCT.2021 15:54:02

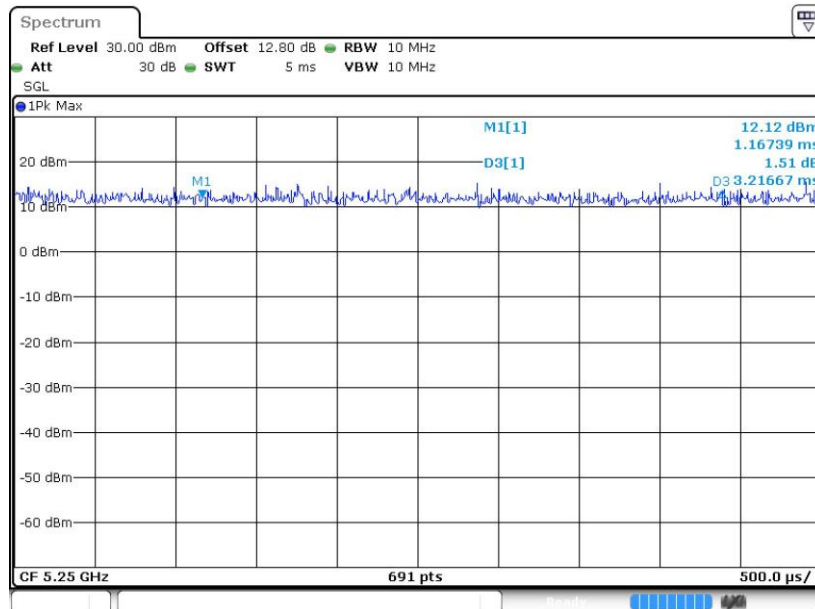


802.11ac VHT80



Date: 29.OCT.2021 15:51:06

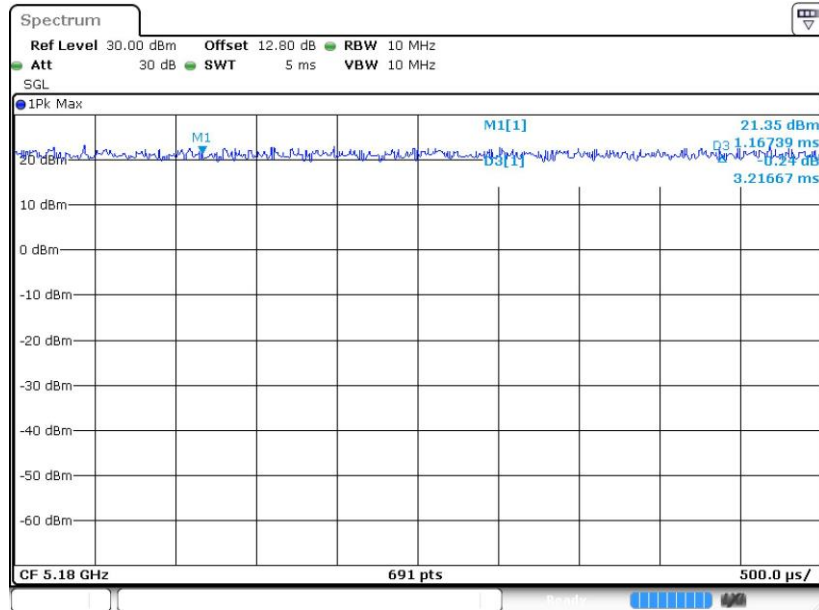
802.11ac VHT160



Date: 29.OCT.2021 15:48:17

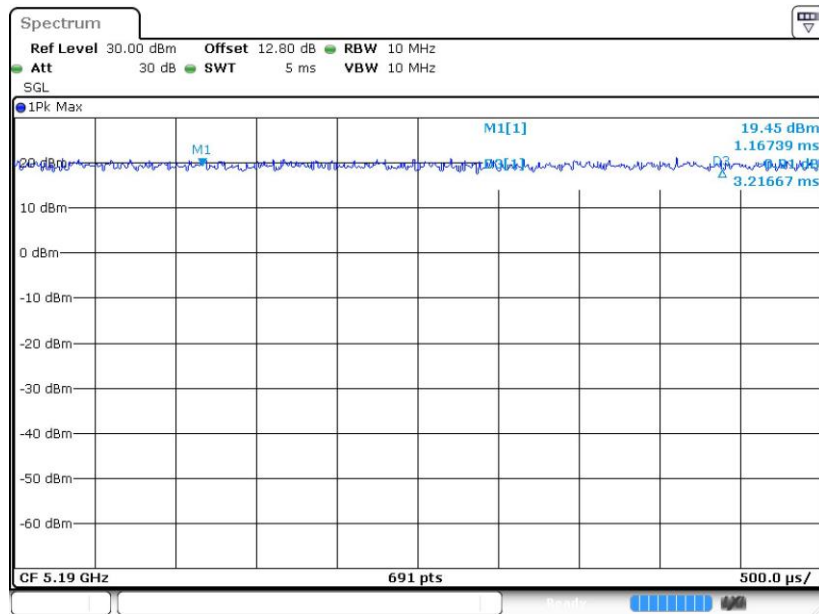


802.11ax HE20



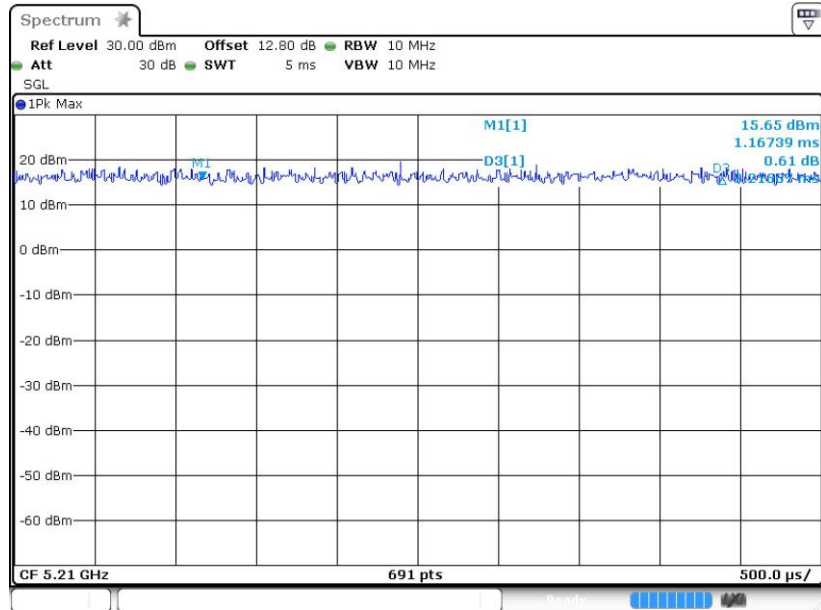
Date: 29.OCT.2021 15:57:05

802.11ax HE40



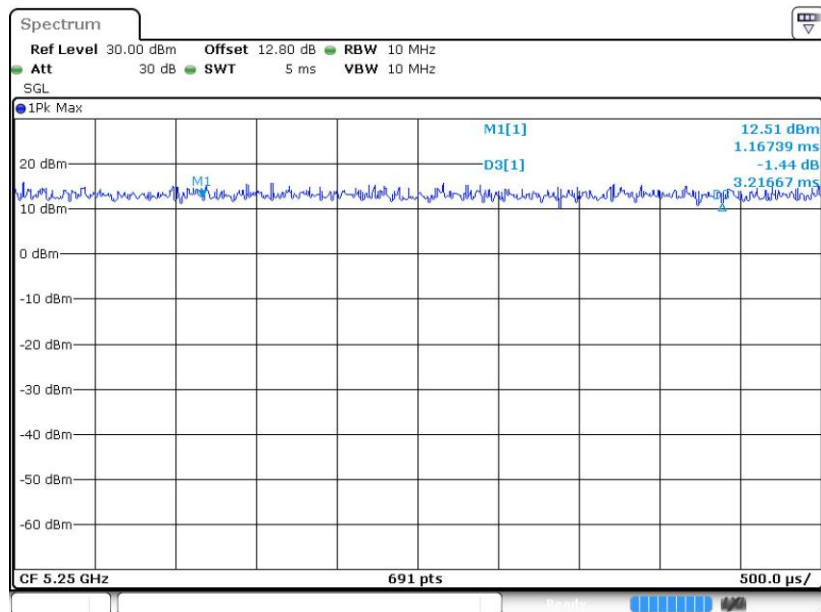
Date: 29.OCT.2021 15:53:28

802.11ax HE80



Date: 29.OCT.2021 15:50:11

802.11ax HE160



Date: 29.OCT.2021 15:49:33