



FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2127-2
FCC ID : IHDT56ZM2
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

The product was received on Oct. 20, 2020 and testing was completed on Nov. 29, 2020. We, Sporton International (ShenZhen) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager



Sporton International (ShenZhen) Inc.

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People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR002013E	Rev. 01	Initial issue of report	Dec. 08, 2020

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	2.1049 & 15.403(i)	26dB & 99% Bandwidth	-	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	≤ 24 dBm	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 11 dBm	Pass	-
3.4	15.407(b)	Unwanted Emissions	15.407(b) & 15.209(a)	Pass	Under limit 3.33 dB at 5459.920 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 8.83 dB at 0.660 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.7	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-
Remark: Not required means after assessing, test items are not necessary to carry out.					

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



1 General Description

1.1 Applicant

Motorola Mobility LLC
222 W,Merchandise Mart Plaza,Chicago,IL60654 USA

1.2 Manufacturer

Motorola Mobility LLC
222 W,Merchandise Mart Plaza,Chicago,IL60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2127-2
FCC ID	IHDT56ZM2
EUT supports Radios application	GSM/ WCDMA/ LTE/NFC WLAN 2.4GHz 802.11b/g/n HT20 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE FM Receiver and GNSS
IMEI Code	Conduction: 351546360021650/351546360021668 Radiation: 351546360021890/351546360021908 Conducted: 351546360020959& 351546360020967
HW Version	DVT2
SW Version	RRB31.30
EUT Stage	Production Unit

Remark:

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



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	<5180 MHz ~ 5240 MHz> 802.11a : 17.57 dBm / 0.0571 W 802.11n HT20 : 17.52 dBm / 0.0565 W 802.11n HT40 : 17.40 dBm / 0.0550 W 802.11ac VHT20 : 17.50 dBm / 0.0562 W 802.11ac VHT40 : 17.38 dBm / 0.0547 W 802.11ac VHT80 : 16.16 dBm / 0.0413 W <5260 MHz ~ 5320 MHz> 802.11a : 17.74 dBm / 0.0594 W 802.11n HT20 : 17.59 dBm / 0.0574 W 802.11n HT40 : 17.24 dBm / 0.0530 W 802.11ac VHT20 : 17.57 dBm / 0.0571 W 802.11ac VHT40 : 17.22 dBm / 0.0527 W 802.11ac VHT80 : 15.30 dBm / 0.0339 W <5500 MHz ~ 5720 MHz > 802.11a : 17.56 dBm / 0.0570 W 802.11n HT20 : 17.50 dBm / 0.0562 W 802.11n HT40 : 17.34 dBm / 0.0542 W 802.11ac VHT20 : 17.48 dBm / 0.0560 W 802.11ac VHT40 : 17.30 dBm / 0.0537 W 802.11ac VHT80 : 17.54 dBm / 0.0568 W
99% Occupied Bandwidth	<5180 MHz ~ 5240 MHz> 802.11a : 16.83 MHz 802.11n HT20 : 17.93 MHz 802.11n HT40 : 36.66 MHz 802.11ac VHT80 : 76.24 MHz <5260 MHz ~ 5320 MHz > 802.11a : 16.93 MHz 802.11n HT20 : 17.98 MHz 802.11n HT40 : 36.66 MHz 802.11ac VHT80 : 76.36 MHz <5500 MHz ~ 5720 MHz > 802.11a : 16.83 MHz 802.11n HT20 : 17.98 MHz 802.11n HT40 : 36.86 MHz 802.11ac VHT80 : 76.36 MHz
Antenna Type / Gain	<5150 MHz ~ 5250 MHz> PIFA Antenna with gain -4.50 dBi <5250 MHz ~ 5350 MHz> PIFA Antenna with gain -4.50 dBi <5470 MHz ~ 5725 MHz> PIFA Antenna with gain -4.50 dBi
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)



1.5 Modification of EUT

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

1.6 Testing Location

<FCC>-SZ

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 Location Site	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.
	03CH04-SZ	CN1256	421272



1.7 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH04-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.
- ♦ ANSI C63.10-2013

Remark:

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

1.9 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	Brand Name	Motorola (Chenyang)	Model Name	MC-101
AC Adapter 1(EU)	Brand Name	Motorola (Chenyang)	Model Name	MC-102
AC Adapter 1(UK)	Brand Name	Motorola (Chenyang)	Model Name	MC-103
AC Adapter 1(AU)	Brand Name	Motorola (Chenyang)	Model Name	MC-105
AC Adapter 2(US)	Brand Name	Motorola (Salcomp)	Model Name	MC-101
AC Adapter 2(EU)	Brand Name	Motorola (Salcomp)	Model Name	MC-102
AC Adapter 2(UK)	Brand Name	Motorola (Salcomp)	Model Name	MC-103
AC Adapter 2(AU)	Brand Name	Motorola (Salcomp)	Model Name	MC-105
AC Adapter 3(US)	Brand Name	Motorola (Aohai)	Model Name	MC-101
AC Adapter 3(EU)	Brand Name	Motorola (Aohai)	Model Name	MC-102
Battery	Brand Name	Motorola (Sunwoda)	Model Name	JK50
Earphone 1	Brand Name	Motorola (New Leader)	Model Name	EM301K-11SF
Earphone 2	Brand Name	Motorola (Juwei)	Model Name	JWEP1182-T03H
Earphone 3	Brand Name	Motorola (New Leader)	Model Name	NLD-EM313A-11SF
Earphone 4	Brand Name	Motorola (LIANYUN)	Model Name	SH38C81577
Earphone 5	Brand Name	Motorola (Lianchuang)	Model Name	SH38C81576
USB Cable 1	Brand Name	Motorola (Chuangyitong)	Model Name	88806-025
USB Cable 2	Brand Name	Motorola (Yihuaxing)	Model Name	T365-011B

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 (Z plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42 [#]	5210		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58 [#]	5290		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106 [#]	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700



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

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

Note:

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

2.2 Test Mode

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

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : GSM 850 Idle + Bluetooth Link + WLAN Link (5G) + USB Cable1(Charging from Adapter 3) + Earphone4 + Battery1
Remark: 1. The worst case of conducted emission is mode 1 2. For Radiated Test Cases, The tests were performance with Adapter 3, Battery 1, Earphone 4, USB Cable 1	



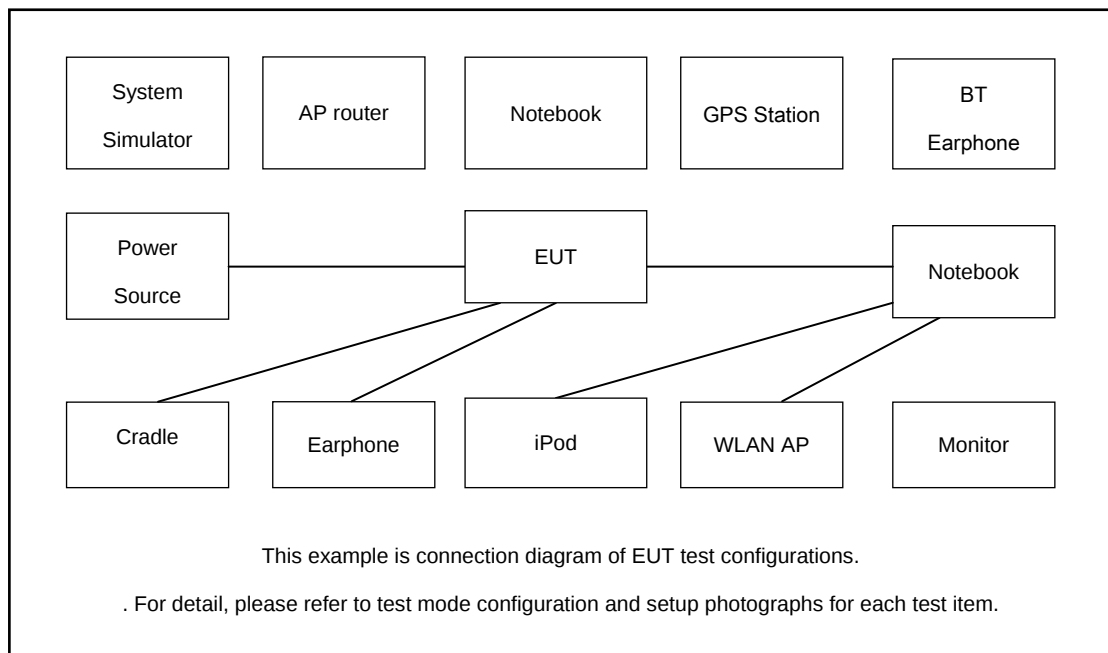
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

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

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

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.	SD Card	N/A	MicroSD HC	FCC DoC	N/A	N/A
4.	FM Station	R&S	SMB100A	N/A	N/A	Unshielded,1.8m
5.	Earphone	Apple	MC690ZP/A	N/A	Shielded, 1.0m	N/A



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 2.5 dB and 20dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 2.5 + 20 = 22.5 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

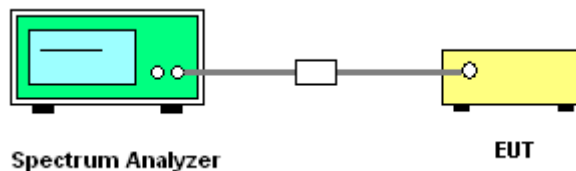
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

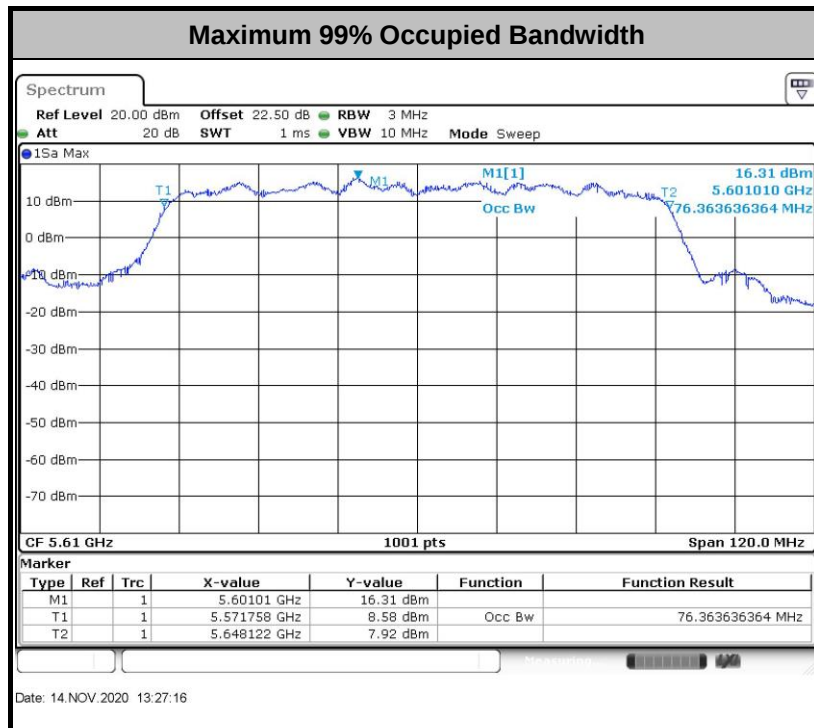
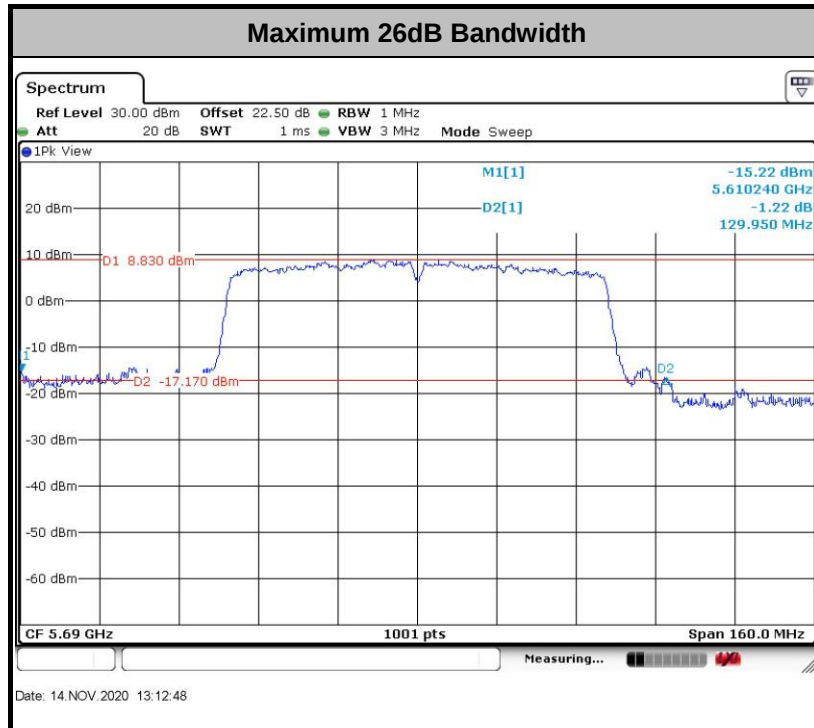
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

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

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

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

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

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

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

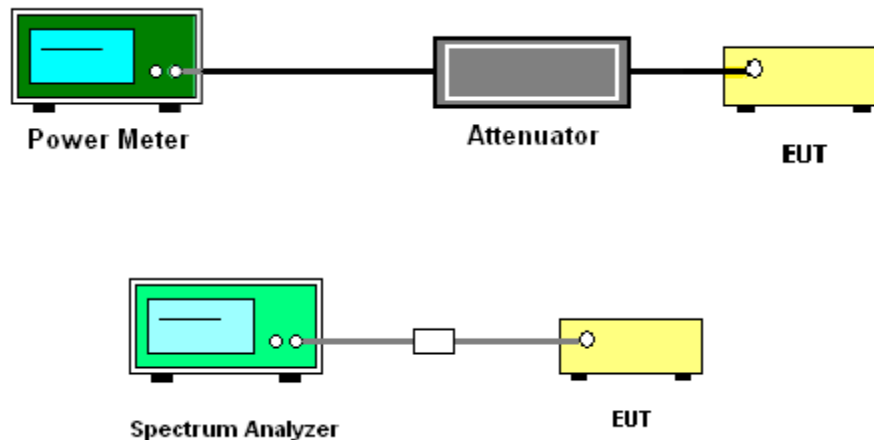
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, $10 \log(1/x)$, where x is the duty cycle.

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

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

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

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

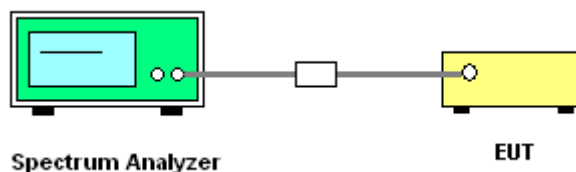
Section F) Maximum power spectral density.

Method SA-2

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

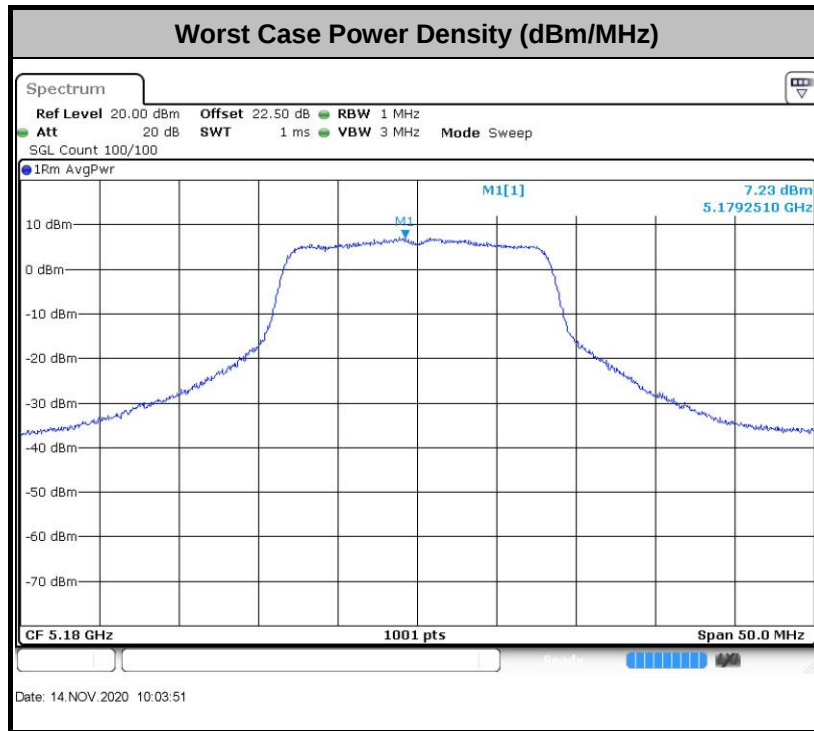
- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
-
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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



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

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

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

where

EIRP is the equivalent isotropically radiated power, in dBm

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

d_{Meas} is the measurement distance, in m

3.4.2 Measuring Instruments

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

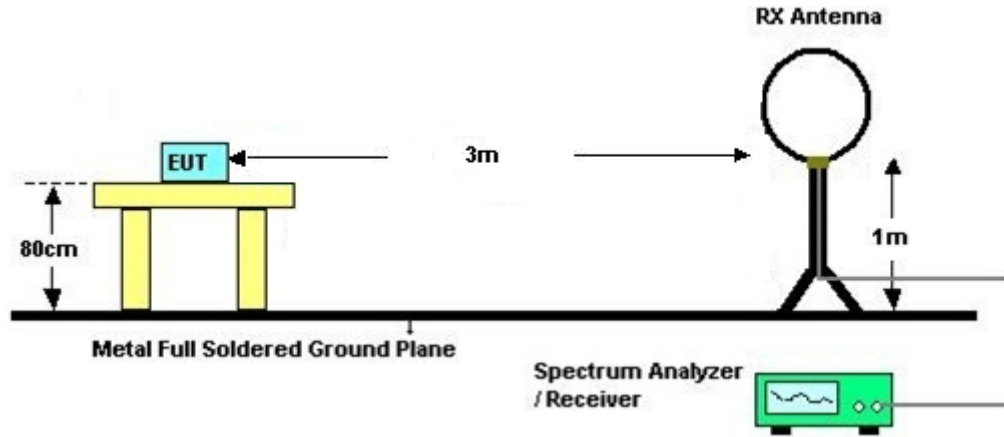


3.4.3 Test Procedures

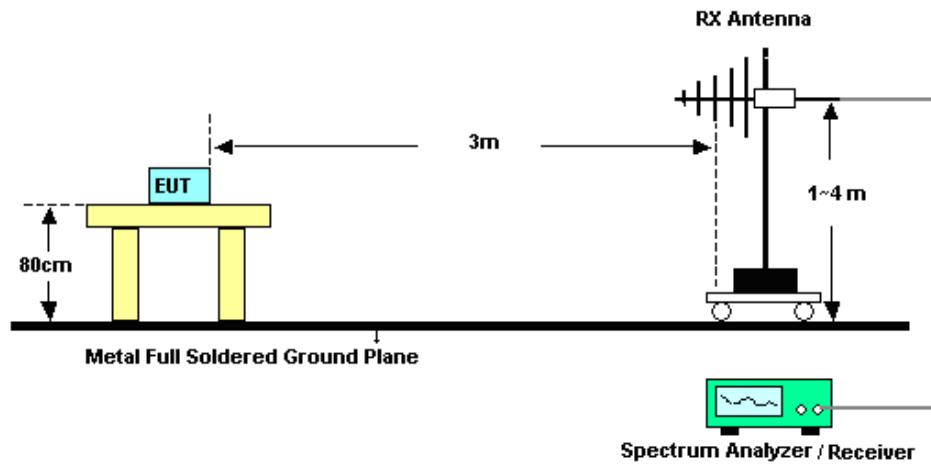
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
(1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold(2) Procedure for Peak Unwanted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

3.4.4 Test Setup

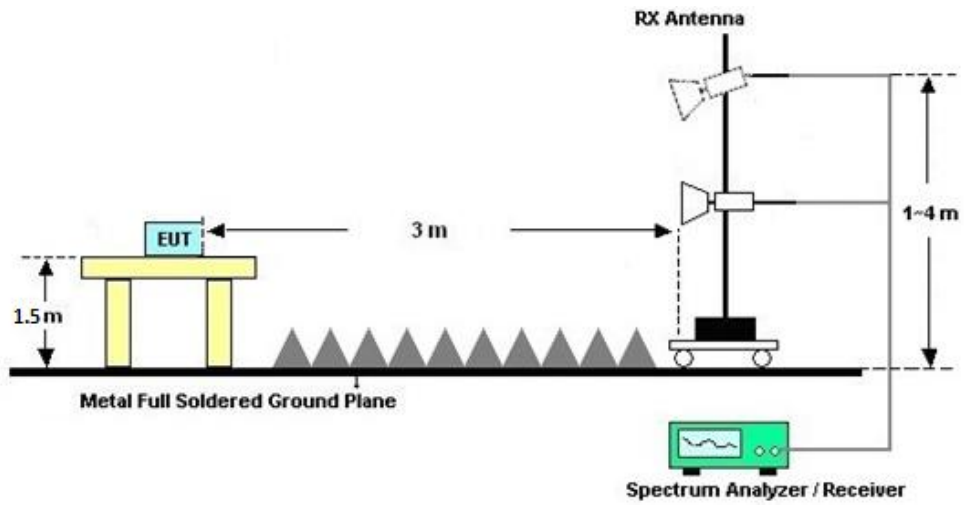
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

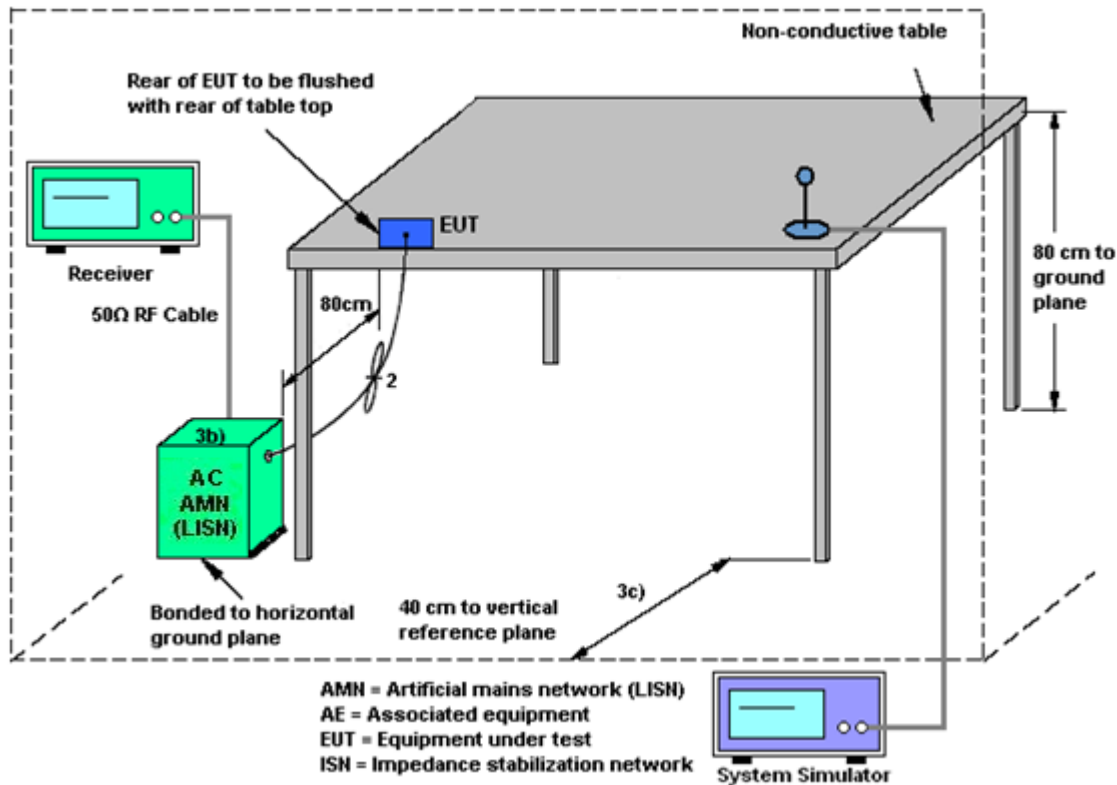
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

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

3.6.3 Test Result of Automatically Discontinue Transmission

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



3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 17, 2020	Nov. 14, 2020	Apr. 16, 2021	Conducted (TH01-SZ)
Pulse Power Sensor	Anritsu	MA2411B	1207253	30MHz~40GHz	Dec. 26, 2019	Nov. 14, 2020	Dec. 25, 2020	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Dec. 26, 2019	Nov. 14, 2020	Dec. 25, 2020	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 16, 2020	Nov. 29, 2020	Oct. 15, 2021	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 21, 2020	Nov. 29, 2020	Jul. 20, 2021	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	Nov. 29, 2020	Jun. 21, 2022	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	Nov. 07, 2020	Nov. 29, 2020	Nov. 06, 2021	Radiation (03CH04-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1474	1GHz~18GHz	May. 23, 2020	Nov. 29, 2020	Mar. 22, 2021	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 26, 2020	Nov. 29, 2020	Jul. 25, 2021	Radiation (03CH04-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz~3000MHz	Oct. 16, 2020	Nov. 29, 2020	Oct. 15, 2021	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 17, 2020	Nov. 29, 2020	Oct. 16, 2021	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 21, 2020	Nov. 29, 2020	Jul. 20, 2021	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY53270156	500MHz~26.5GHz	Oct. 17, 2020	Nov. 29, 2020	Oct. 16, 2021	Radiation (03CH04-SZ)
AC Power Source	Chroma	61601	N/A	N/A	NCR	Nov. 29, 2020	NCR	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Nov. 29, 2020	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Nov. 29, 2020	NCR	Radiation (03CH04-SZ)
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Dec. 28, 2019	Nov. 11, 2020	Dec. 27, 2020	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	00103912	9kHz~30MHz	Dec. 28, 2019	Nov. 11, 2020	Dec. 27, 2020	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 15, 2020	Nov. 11, 2020	Oct. 14, 2021	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 21, 2020	Nov. 11, 2020	Jul. 20, 2021	Conduction (CO01-SZ)

NCR: No Calibration Required

5 Uncertainty of Evaluation

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.7dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1dB
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Appendix A. Conducted Test Results

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Chen Hong	Temperature:	21~25	°C
Test Date:	2020/11/14	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)		
11a	6Mbps	1	36	5180	16.78	24.53	-	22.25		
11a	6Mbps	1	44	5220	16.83	24.88	-	22.26		
11a	6Mbps	1	48	5240	16.83	24.68	-	22.26		
HT20	MCS0	1	36	5180	17.93	25.92	-	22.54		
HT20	MCS0	1	44	5220	17.93	25.62	-	22.54		
HT20	MCS0	1	48	5240	17.93	25.82	-	22.54		
HT40	MCS0	1	38	5190	36.66	41.45	-	23.01		
HT40	MCS0	1	46	5230	36.66	41.72	-	23.01		
VHT80	MCS0	1	42	5210	76.24	86.15	-	23.01		

TEST RESULTS DATA
Average Power Table

FCC Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6Mbps	1	36	5180	0.08	17.57	24.00	-4.50		Pass
11a	6Mbps	1	44	5220	0.08	17.43	24.00	-4.50		Pass
11a	6Mbps	1	48	5240	0.08	17.29	24.00	-4.50		Pass
HT20	MCS0	1	36	5180	0.08	17.33	24.00	-4.50		Pass
HT20	MCS0	1	44	5220	0.08	17.21	24.00	-4.50		Pass
HT20	MCS0	1	48	5240	0.08	17.52	24.00	-4.50		Pass
HT40	MCS0	1	38	5190	0.16	17.28	24.00	-4.50		Pass
HT40	MCS0	1	46	5230	0.16	17.40	24.00	-4.50		Pass
VHT20	MCS0	1	36	5180	0.08	17.31	24.00	-4.50		Pass
VHT20	MCS0	1	44	5220	0.08	17.20	24.00	-4.50		Pass
VHT20	MCS0	1	48	5240	0.08	17.50	24.00	-4.50		Pass
VHT40	MCS0	1	38	5190	0.16	17.25	24.00	-4.50		Pass
VHT40	MCS0	1	46	5230	0.16	17.38	24.00	-4.50		Pass
VHT80	MCS0	1	42	5210	0.33	16.16	24.00	-4.50		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	-	Pass/Fail
11a	6Mbps	1	36	5180	0.08	7.31	11.00	-4.50		Pass
11a	6Mbps	1	44	5220	0.08	7.06	11.00	-4.50		Pass
11a	6Mbps	1	48	5240	0.08	6.70	11.00	-4.50		Pass
HT20	MCS0	1	36	5180	0.08	7.11	11.00	-4.50		Pass
HT20	MCS0	1	44	5220	0.08	6.60	11.00	-4.50		Pass
HT20	MCS0	1	48	5240	0.08	6.49	11.00	-4.50		Pass
HT40	MCS0	1	38	5190	0.16	3.14	11.00	-4.50		Pass
HT40	MCS0	1	46	5230	0.16	3.46	11.00	-4.50		Pass
VHT80	MCS0	1	42	5210	0.33	0.30	11.00	-4.50		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
11a	6M bps	1	52	5260	16.83	24.53	23.26	29.26	23.98	
11a	6M bps	1	60	5300	16.83	24.63	23.26	29.26	23.98	
11a	6M bps	1	64	5320	16.93	24.63	23.29	29.29	23.98	
HT20	MCS 0	1	52	5260	17.98	25.67	23.55	29.55	23.98	
HT20	MCS 0	1	60	5300	17.98	25.43	23.55	29.55	23.98	
HT20	MCS 0	1	64	5320	17.93	25.62	23.54	29.54	23.98	
HT40	MCS 0	1	54	5270	36.66	41.63	23.98	30.00	23.98	
HT40	MCS 0	1	62	5310	36.66	41.63	23.98	30.00	23.98	
VHT80	MCS 0	1	58	5290	76.36	102.78	23.98	30.00	23.98	

TEST RESULTS DATA
Average Power Table

FCC Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
11a	6M bps	1	52	5260	0.08	17.66	23.98	-4.50	26.99	Pass
11a	6M bps	1	60	5300	0.08	17.74	23.98	-4.50	26.99	Pass
11a	6M bps	1	64	5320	0.08	17.48	23.98	-4.50	26.99	Pass
HT20	MCS 0	1	52	5260	0.08	17.44	23.98	-4.50	26.99	Pass
HT20	MCS 0	1	60	5300	0.08	17.59	23.98	-4.50	26.99	Pass
HT20	MCS 0	1	64	5320	0.08	17.33	23.98	-4.50	26.99	Pass
HT40	MCS 0	1	54	5270	0.16	17.24	23.98	-4.50	26.99	Pass
HT40	MCS 0	1	62	5310	0.16	15.72	23.98	-4.50	26.99	Pass
VHT20	MCS 0	1	52	5260	0.08	17.42	23.98	-4.50	26.99	Pass
VHT20	MCS 0	1	60	5300	0.08	17.57	23.98	-4.50	26.99	Pass
VHT20	MCS 0	1	64	5320	0.08	17.31	23.98	-4.50	26.99	Pass
VHT40	MCS 0	1	54	5270	0.16	17.22	23.98	-4.50	26.99	Pass
VHT40	MCS 0	1	62	5310	0.16	15.49	23.98	-4.50	26.99	Pass
VHT80	MCS 0	1	58	5290	0.33	15.30	23.98	-4.50	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6M bps	1	52	5260	0.08	6.74	11.00	-4.50		Pass
11a	6M bps	1	60	5300	0.08	6.97	11.00	-4.50		Pass
11a	6M bps	1	64	5320	0.08	6.59	11.00	-4.50		Pass
HT20	MCS 0	1	52	5260	0.08	6.59	11.00	-4.50		Pass
HT20	MCS 0	1	60	5300	0.08	6.55	11.00	-4.50		Pass
HT20	MCS 0	1	64	5320	0.08	6.44	11.00	-4.50		Pass
HT40	MCS 0	1	54	5270	0.16	3.14	11.00	-4.50		Pass
HT40	MCS 0	1	62	5310	0.16	3.17	11.00	-4.50		Pass
VHT80	MCS 0	1	58	5290	0.33	0.03	11.00	-4.50		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
11a	6M bps	1	100	5500	16.83	24.33	23.26	29.26	23.98	
11a	6M bps	1	116	5580	16.78	24.23	23.25	29.25	23.98	
11a	6M bps	1	140	5700	16.73	24.33	23.24	29.24	23.98	
11a	6Mbps	1	144	5720	16.73	24.13	23.24	29.24	23.98	
HT20	MCS 0	1	100	5500	17.98	25.52	23.55	29.55	23.98	
HT20	MCS 0	1	116	5580	17.88	25.52	23.52	29.52	23.98	
HT20	MCS 0	1	140	5700	17.93	25.72	23.54	29.54	23.98	
HT20	MCS0	1	144	5720	17.93	25.03	23.54	29.54	23.98	
HT40	MCS 0	1	102	5510	36.66	42.08	23.98	30.00	23.98	
HT40	MCS 0	1	110	5550	36.66	41.63	23.98	30.00	23.98	
HT40	MCS 0	1	134	5670	36.76	42.08	23.98	30.00	23.98	
HT40	MCS0	1	142	5710	36.86	42.17	23.98	30.00	23.98	
VHT80	MCS 0	1	106	5530	76.12	123.88	23.98	30.00	23.98	
VHT80	MCS 0	1	122	5610	76.36	110.13	23.98	30.00	23.98	
VHT80	MCS0	1	138	5690	76.36	129.95	23.98	30.00	23.98	

TEST RESULTS DATA
Average Power Table

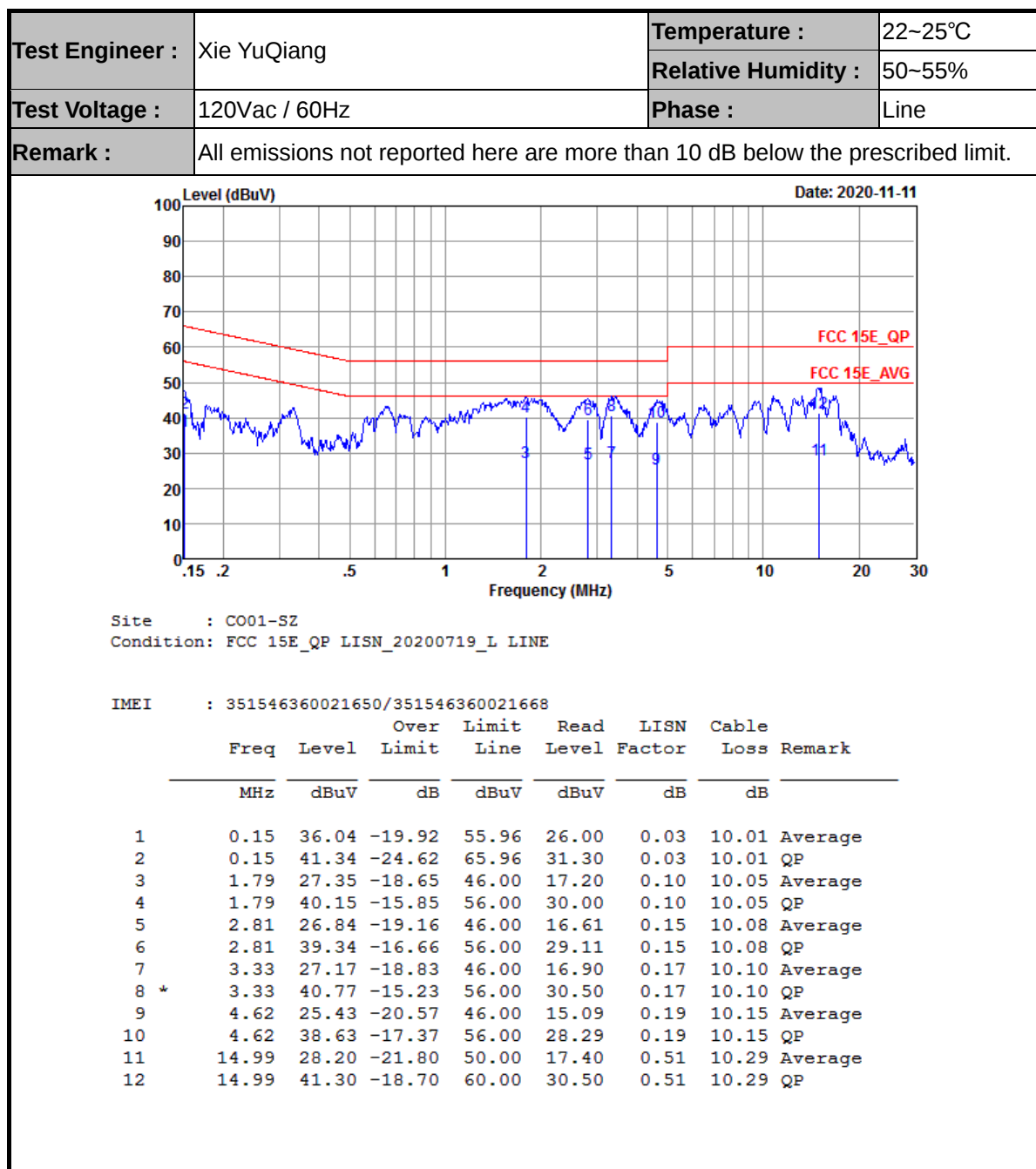
FCC Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
11a	6M bps	1	100	5500	0.08	17.44	23.98	-4.50	26.99	Pass
11a	6M bps	1	116	5580	0.08	17.56	23.98	-4.50	26.99	Pass
11a	6M bps	1	140	5700	0.08	17.27	23.98	-4.50	26.99	Pass
11a	6M bps	1	144	5720	0.08	17.56	23.98	-4.50	26.99	Pass
HT20	MCS 0	1	100	5500	0.08	17.29	23.98	-4.50	26.99	Pass
HT20	MCS 0	1	116	5580	0.08	17.42	23.98	-4.50	26.99	Pass
HT20	MCS 0	1	140	5700	0.08	17.50	23.98	-4.50	26.99	Pass
HT20	MCS 0	1	144	5720	0.08	17.39	23.98	-4.50	26.99	Pass
HT40	MCS 0	1	102	5510	0.16	14.30	23.98	-4.50	26.99	Pass
HT40	MCS 0	1	110	5550	0.16	17.25	23.98	-4.50	26.99	Pass
HT40	MCS 0	1	134	5670	0.16	17.21	23.98	-4.50	26.99	Pass
HT40	MCS 0	1	142	5710	0.16	17.34	23.98	-4.50	26.99	Pass
VHT20	MCS 0	1	100	5500	0.08	17.28	23.98	-4.50	26.99	Pass
VHT20	MCS 0	1	116	5580	0.08	17.40	23.98	-4.50	26.99	Pass
VHT20	MCS 0	1	140	5700	0.08	17.48	23.98	-4.50	26.99	Pass
VHT20	MCS 0	1	144	5720	0.08	17.37	23.98	-4.50	26.99	Pass
VHT40	MCS 0	1	102	5510	0.16	14.18	23.98	-4.50	26.99	Pass
VHT40	MCS 0	1	110	5550	0.16	17.21	23.98	-4.50	26.99	Pass
VHT40	MCS 0	1	134	5670	0.16	17.18	23.98	-4.50	26.99	Pass
VHT40	MCS 0	1	142	5710	0.16	17.30	23.98	-4.50	26.99	Pass
VHT80	MCS 0	1	106	5530	0.33	13.10	23.98	-4.50	26.99	Pass
VHT80	MCS 0	1	122	5610	0.33	17.54	23.98	-4.50	26.99	Pass
VHT80	MCS 0	1	138	5690	0.33	17.49	23.98	-4.50	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
11a	6M bps	1	100	5500	0.08	6.86	11.00	-4.50		Pass
11a	6M bps	1	116	5580	0.08	6.95	11.00	-4.50		Pass
11a	6M bps	1	140	5700	0.08	6.42	11.00	-4.50		Pass
11a	6Mbps	1	144	5720	0.08	7.05	11.00	-4.50		Pass
HT20	MCS 0	1	100	5500	0.08	6.43	11.00	-4.50		Pass
HT20	MCS 0	1	116	5580	0.08	6.53	11.00	-4.50		Pass
HT20	MCS 0	1	140	5700	0.08	6.46	11.00	-4.50		Pass
HT20	MCS0	1	144	5720	0.08	6.51	11.00	-4.50		Pass
HT40	MCS 0	1	102	5510	0.16	3.35	11.00	-4.50		Pass
HT40	MCS 0	1	110	5550	0.16	3.52	11.00	-4.50		Pass
HT40	MCS 0	1	134	5670	0.16	2.91	11.00	-4.50		Pass
HT40	MCS0	1	142	5710	0.16	3.23	11.00	-4.50		Pass
VHT80	MCS 0	1	106	5530	0.33	0.38	11.00	-4.50		Pass
VHT80	MCS 0	1	122	5610	0.33	0.87	11.00	-4.50		Pass
VHT80	MCS0	1	138	5690	0.33	0.39	11.00	-4.50		Pass

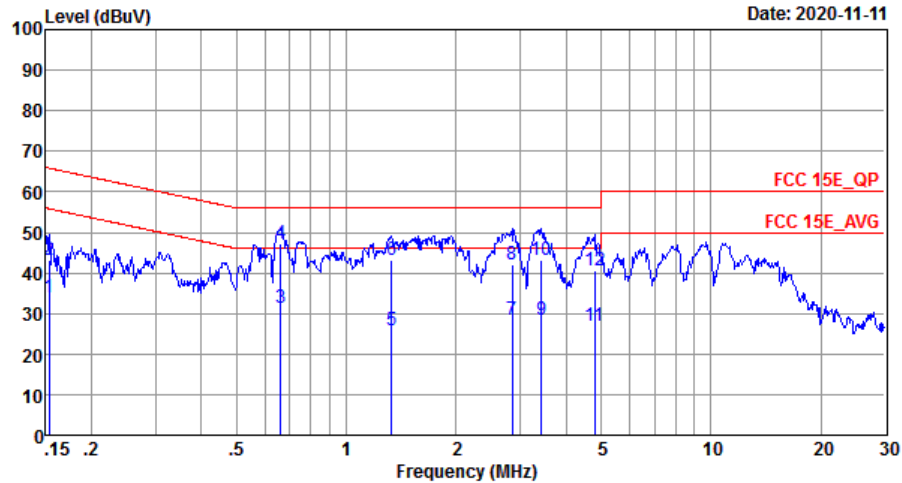


Appendix B. AC Conducted Emission Test Results





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



Site : CO01-SZ
Condition: FCC 15E QP LISN_20170907_N NEUTRAL

IMEI : 351546360021650/351546360021668

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	34.01	-21.81	55.82	24.00	0.00	10.01	Average
2	0.15	43.21	-22.61	65.82	33.20	0.00	10.01	QP
3	0.66	31.37	-14.63	46.00	21.30	0.00	10.07	Average
4 *	0.66	47.17	-8.83	56.00	37.10	0.00	10.07	QP
5	1.33	25.65	-20.35	46.00	15.60	0.00	10.05	Average
6	1.33	43.05	-12.95	56.00	33.00	0.00	10.05	QP
7	2.85	28.39	-17.61	46.00	18.30	0.00	10.09	Average
8	2.85	42.09	-13.91	56.00	32.00	0.00	10.09	QP
9	3.44	28.31	-17.69	46.00	18.20	0.00	10.11	Average
10	3.44	43.31	-12.69	56.00	33.20	0.00	10.11	QP
11	4.80	26.75	-19.25	46.00	16.60	0.00	10.15	Average
12	4.80	40.45	-15.55	56.00	30.30	0.00	10.15	QP

Note:

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



Appendix B. Radiated Spurious Emission

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5128.18	50.84	-23.16	74	40.22	31.76	8.51	29.65	357	113	P	H
		5149.76	41.63	-12.37	54	30.96	31.8	8.51	29.64	357	113	A	H
		5180	98.74	-	-	87.93	31.86	8.58	29.63	357	113	P	H
		5180	90.63	-	-	79.82	31.86	8.58	29.63	357	113	A	H
		5119.08	51.08	-22.92	74	40.48	31.74	8.51	29.65	128	96	P	V
		5150	41.45	-12.55	54	30.78	31.8	8.51	29.64	128	96	A	V
		5180	102.02	-	-	91.21	31.86	8.58	29.63	128	96	P	V
		5180	94.25	-	-	83.44	31.86	8.58	29.63	128	96	A	V
802.11a CH 44 5220MHz		5123.76	50.53	-23.47	74	39.92	31.75	8.51	29.65	100	113	P	H
		5146.64	41	-13	54	30.34	31.79	8.51	29.64	100	113	A	H
		5220	101.13	-	-	90.23	31.87	8.65	29.62	100	113	P	H
		5220	93.36	-	-	82.46	31.87	8.65	29.62	100	113	A	H
		5398.08	50.49	-23.51	74	38.77	31.6	9.66	29.54	100	113	P	H
		5457.84	41.34	-12.66	54	29.4	31.77	9.68	29.51	100	113	A	H
		5129.74	49.97	-24.03	74	39.35	31.76	8.51	29.65	104	86	P	V
		5150	40.71	-13.29	54	30.04	31.8	8.51	29.64	104	86	A	V
		5220	102.95	-	-	92.05	31.87	8.65	29.62	104	86	P	V
		5220	94.76	-	-	83.86	31.87	8.65	29.62	104	86	A	V
		5410.8	50.11	-23.89	74	38.35	31.63	9.66	29.53	104	86	P	V
		5457.84	40.97	-13.03	54	29.03	31.77	9.68	29.51	104	86	P	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 48 5240MHz		6989.5	51.42	-16.88	68.3	37.24	35.26	10.22	31.3	201	0	P	H
		10480	50.87	-17.43	68.3	30.05	39.77	12.15	31.1	142	236	P	H
		15720	49.35	-24.65	74	29.23	38.3	14.66	32.84	146	269	P	H
		6989.5	55.79	-12.51	68.3	41.61	35.26	10.22	31.3	201	0	P	V
		10480	50.7	-17.6	68.3	29.88	39.77	12.15	31.1	150	289	P	V
		15720	50.17	-23.83	74	30.05	38.3	14.66	32.84	150	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		6907	53.86	-14.44	68.3	39.63	34.97	10.24	30.98	201	0	P	H
		10360	50.98	-17.32	68.3	30.41	39.58	12.06	31.07	122	255	P	H
		15540	49.85	-24.15	74	29.2	38.87	14.59	32.81	169	232	P	H
		6907	53.86	-14.44	68.3	39.63	34.97	10.24	30.98	100	40	P	V
		10360	51.4	-16.9	68.3	30.83	39.58	12.06	31.07	152	260	P	V
		15540	49.67	-24.33	74	29.02	38.87	14.59	32.81	189	238	P	V
802.11a CH 44 5220MHz		6962	49.74	-18.56	68.3	55.84	35.17	10.23	51.5	144	152	P	H
		10440	51.44	-16.86	68.3	51	39.7	12.12	51.38	116	226	P	H
		15660	50.13	-23.87	74	49.35	38.49	14.64	52.35	155	233	P	H
		6962	51.67	-16.63	68.3	57.77	35.17	10.23	51.5	100	157	P	V
		10440	50.77	-17.53	68.3	50.33	39.7	12.12	51.38	150	230	P	V
		15660	50.21	-23.79	74	49.43	38.49	14.64	52.35	160	225	P	V
802.11a CH 48 5240MHz		6989.5	51.42	-16.88	68.3	57.44	35.26	10.22	51.5	201	0	P	H
		10480	50.87	-17.43	68.3	50.27	39.77	12.15	51.32	142	236	P	H
		15720	49.35	-24.65	74	48.63	38.3	14.66	52.24	146	269	P	H
		6989.5	55.79	-12.51	68.3	61.81	35.26	10.22	51.5	201	0	P	V
		10480	50.7	-17.6	68.3	50.1	39.77	12.15	51.32	150	289	P	V
		15720	50.17	-23.83	74	49.45	38.3	14.66	52.24	150	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5134.68	51.25	-22.75	74	40.62	31.77	8.51	29.65	265	103	P	H
		5150	42.63	-11.37	54	31.96	31.8	8.51	29.64	265	103	A	H
		5180	101.52	-	-	90.71	31.86	8.58	29.63	265	103	P	H
		5180	94.81	-	-	84	31.86	8.58	29.63	265	103	A	H
		5146.12	51.51	-22.49	74	40.85	31.79	8.51	29.64	100	92	P	V
		5148.72	42.97	-11.03	54	32.3	31.8	8.51	29.64	100	92	A	V
		5180	103.29	-	-	92.48	31.86	8.58	29.63	100	92	P	V
		5180	97.47	-	-	86.66	31.86	8.58	29.63	100	92	A	V
802.11n HT20 CH 44 5220MHz		5063.18	50.72	-23.28	74	40.41	31.63	8.36	29.68	312	111	P	H
		5147.94	40.94	-13.06	54	30.27	31.8	8.51	29.64	312	111	A	H
		5220	100.94	-	-	90.04	31.87	8.65	29.62	312	111	P	H
		5220	94.67	-	-	83.77	31.87	8.65	29.62	312	111	A	H
		5442.96	49.08	-24.92	74	37.19	31.73	9.68	29.52	312	111	P	H
		5460	40.69	-13.31	54	28.74	31.78	9.68	29.51	312	111	A	H
		5059.8	50.03	-23.97	74	39.73	31.62	8.36	29.68	111	94	P	V
		5149.24	41.07	-12.93	54	30.4	31.8	8.51	29.64	111	94	A	V
		5220	102.53	-	-	91.63	31.87	8.65	29.62	111	94	P	V
		5220	96.26	-	-	85.36	31.87	8.65	29.62	111	94	A	V
		5403.12	49.38	-24.62	74	37.64	31.61	9.66	29.53	111	94	P	V
		5458.8	41.13	-12.87	54	29.18	31.78	9.68	29.51	111	94	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 48 5240MHz		5095.16	50.29	-23.71	74	39.83	31.69	8.43	29.66	110	112	P	H
		5146.9	40.81	-13.19	54	30.15	31.79	8.51	29.64	110	112	A	H
		5240	100.49	-	-	89.41	31.84	8.85	29.61	110	112	P	H
		5240	94.42	-	-	83.34	31.84	8.85	29.61	110	112	A	H
		5372.88	52.23	-21.77	74	40.68	31.64	9.46	29.55	110	112	P	H
		5460	40.63	-13.37	54	28.68	31.78	9.68	29.51	110	112	A	H
		5138.84	50.36	-23.64	74	39.72	31.78	8.51	29.65	124	95	P	V
		5148.46	40.89	-13.11	54	30.22	31.8	8.51	29.64	124	95	A	V
		5240	102.89	-	-	91.81	31.84	8.85	29.61	124	95	P	V
		5240	96.56	-	-	85.48	31.84	8.85	29.61	124	95	A	V
		5448.24	50.29	-23.71	74	38.39	31.74	9.68	29.52	124	95	P	V
		5459.76	40.83	-13.17	54	28.88	31.78	9.68	29.51	124	95	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		6907	52.14	-16.16	68.3	37.91	34.97	10.24	30.98	137	89	P	H
		10360	49.47	-18.83	68.3	28.9	39.58	12.06	31.07	122	255	P	H
		15540	48.13	-25.87	74	27.48	38.87	14.59	32.81	169	232	P	H
		6907	53.85	-14.45	68.3	60.14	34.97	10.24	51.5	100	345	P	V
		10360	49.01	-19.29	68.3	48.83	39.58	12.06	51.46	152	260	P	V
		15540	49.7	-24.3	74	48.78	38.87	14.59	52.54	189	238	P	V
802.11n HT20 CH 44 5220MHz		6960	52.52	-15.78	68.3	58.63	35.16	10.23	51.5	177	85	P	H
		10440	49.33	-18.97	68.3	48.89	39.7	12.12	51.38	116	226	P	H
		15660	49.76	-24.24	74	48.98	38.49	14.64	52.35	155	233	P	H
		6960	50.15	-18.15	68.3	56.26	35.16	10.23	51.5	201	0	P	V
		10440	50.29	-18.01	68.3	49.85	39.7	12.12	51.38	166	325	P	V
		15660	49.18	-24.82	74	48.4	38.49	14.64	52.35	122	166	P	V
802.11n HT20 CH 48 5240MHz		6986.5	51.43	-16.87	68.3	57.46	35.25	10.22	51.5	100	276	P	H
		10480	49.4	-18.9	68.3	48.8	39.77	12.15	51.32	142	236	P	H
		15720	48.78	-25.22	74	48.06	38.3	14.66	52.24	146	269	P	H
		6986.5	53.65	-14.65	68.3	59.68	35.25	10.22	51.5	173	149	P	V
		10480	50.13	-18.17	68.3	49.53	39.77	12.15	51.32	150	289	P	V
		15720	49.96	-24.04	74	49.24	38.3	14.66	52.24	150	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5149.5	52.42	-21.58	74	44.67	31.8	8.51	32.56	100	112	P	H
		5150	45.62	-8.38	54	37.87	31.8	8.51	32.56	100	112	A	H
		5190	92.52	-	-	84.63	31.88	8.58	32.57	100	112	P	H
		5190	83.74	-	-	75.85	31.88	8.58	32.57	100	112	A	H
		5393.36	46.99	-27.01	74	38.38	31.61	9.66	32.66	100	112	P	H
		5459.16	39.46	-14.54	54	30.69	31.78	9.68	32.69	100	112	A	H
		5148.72	59.75	-14.25	74	52	31.8	8.51	32.56	103	87	P	V
		5150	50.56	-3.44	54	42.81	31.8	8.51	32.56	103	87	A	V
		5190	95.51	-	-	87.62	31.88	8.58	32.57	103	87	P	V
		5190	86.44	-	-	78.55	31.88	8.58	32.57	103	87	A	V
		5454.96	47.99	-26.01	74	39.24	31.76	9.68	32.69	103	87	P	V
		5375.16	39.31	-14.69	54	30.87	31.64	9.46	32.66	103	87	A	V
802.11n HT40 CH 46 5230MHz		5123.24	50.94	-23.06	74	40.33	31.75	8.51	29.65	309	111	P	H
		5142.22	42.63	-11.37	54	31.99	31.78	8.51	29.65	309	111	A	H
		5230	98.92	-	-	88.03	31.85	8.65	29.61	309	111	P	H
		5230	92.9	-	-	82.01	31.85	8.65	29.61	309	111	A	H
		5427.12	50.05	-23.95	74	38.21	31.68	9.68	29.52	309	111	P	H
		5426.4	41.91	-12.09	54	30.09	31.68	9.66	29.52	309	111	A	H
		5112.58	50.08	-23.92	74	39.58	31.73	8.43	29.66	104	103	P	V
		5084.5	42.83	-11.17	54	32.4	31.67	8.43	29.67	104	103	A	V
		5230	100.62	-	-	89.73	31.85	8.65	29.61	104	103	P	V
		5230	94.55	-	-	83.66	31.85	8.65	29.61	104	103	A	V
		5430.24	51.65	-22.35	74	39.8	31.69	9.68	29.52	104	103	P	V
		5458.56	42.32	-11.68	54	30.37	31.78	9.68	29.51	104	103	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		6918	53.6	-14.7	68.3	59.85	35.01	10.24	51.5	100	315	P	H
		10380	51.14	-17.16	68.3	50.88	39.61	12.09	51.44	150	360	P	H
		15570	49.25	-24.75	74	48.36	38.78	14.6	52.49	155	360	P	H
		6918	54.5	-13.8	68.3	60.75	35.01	10.24	51.5	100	355	P	V
		10380	49.78	-18.52	68.3	49.52	39.61	12.09	51.44	144	325	P	V
		15570	49.16	-24.84	74	48.27	38.78	14.6	52.49	113	311	P	V
802.11n HT40 CH 46 5230MHz		6973	51.89	-16.41	68.3	57.95	35.21	10.23	51.5	122	215	P	H
		10460	50.29	-18.01	68.3	49.76	39.74	12.15	51.36	150	360	P	H
		15690	48.94	-25.06	74	48.19	38.39	14.66	52.3	150	225	P	H
		6973	53.79	-14.51	68.3	59.85	35.21	10.23	51.5	100	299	P	V
		10460	50.97	-17.33	68.3	50.44	39.74	12.15	51.36	122	315	P	V
		15690	49.27	-24.73	74	48.52	38.39	14.66	52.3	116	236	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5147.68	55.05	-18.95	74	47.3	31.8	8.51	32.56	108	112	P	H
		5146.12	46.91	-7.09	54	39.17	31.79	8.51	32.56	108	112	A	H
		5210	88.74	-	-	80.78	31.89	8.65	32.58	108	112	P	H
		5210	80.91	-	-	72.95	31.89	8.65	32.58	108	112	A	H
		5443.2	47.64	-26.36	74	38.91	31.73	9.68	32.68	108	112	P	H
		5411.52	39.06	-14.94	54	30.44	31.63	9.66	32.67	108	112	A	H
		5143.78	58	-16	74	50.26	31.79	8.51	32.56	100	83	P	V
		5146.12	49.96	-4.04	54	42.22	31.79	8.51	32.56	100	83	A	V
		5210	91.28	-	-	83.32	31.89	8.65	32.58	100	83	P	V
		5210	82.04	-	-	74.08	31.89	8.65	32.58	100	83	A	V
		5429.28	47.16	-26.84	74	38.47	31.69	9.68	32.68	100	83	P	V
		5431.68	38.94	-15.06	54	30.24	31.7	9.68	32.68	100	83	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		6945.5	53.31	-14.99	68.3	59.46	35.11	10.24	51.5	100	212	P	H
		10420	50.39	-17.91	68.3	50	39.67	12.12	51.4	122	333	P	H
		15630	49.6	-24.4	74	48.78	38.58	14.62	52.38	110	265	P	H
		6945.5	55.21	-13.09	68.3	61.36	35.11	10.24	51.5	100	355	P	V
		10420	51.22	-17.08	68.3	50.83	39.67	12.12	51.4	150	360	P	V
		15630	49.45	-24.55	74	48.63	38.58	14.62	52.38	150	225	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5101.4	52.27	-21.73	74	41.8	31.7	8.43	29.66	100	112	P	H
		5096.46	40.89	-13.11	54	30.43	31.69	8.43	29.66	100	112	A	H
		5260	101.83	-	-	90.76	31.81	8.85	29.59	100	112	P	H
		5260	92.67	-	-	81.6	31.81	8.85	29.59	100	112	A	H
		5393.04	51.28	-22.72	74	39.55	31.61	9.66	29.54	100	112	P	H
		5459.28	40.96	-13.04	54	29.01	31.78	9.68	29.51	100	112	A	H
		5140.4	49.89	-24.11	74	39.25	31.78	8.51	29.65	104	98	P	V
		5098.54	40.71	-13.29	54	30.24	31.7	8.43	29.66	104	98	A	V
		5260	104.34	-	-	93.27	31.81	8.85	29.59	104	98	P	V
		5260	95.31	-	-	84.24	31.81	8.85	29.59	104	98	A	V
		5422.56	50.42	-23.58	74	38.62	31.67	9.66	29.53	104	98	P	V
		5460	40.74	-13.26	54	28.79	31.78	9.68	29.51	104	98	A	V
802.11a CH 60 5300MHz		5029.4	50.26	-23.74	74	40.1	31.56	8.29	29.69	105	112	P	H
		5096.6	40.9	-13.1	54	30.44	31.69	8.43	29.66	105	112	A	H
		5300	103.18	-	-	91.95	31.75	9.05	29.57	105	112	P	H
		5300	93.69	-	-	82.46	31.75	9.05	29.57	105	112	A	H
		5370.48	49.76	-24.24	74	38.21	31.64	9.46	29.55	105	112	P	H
		5357.52	41.14	-12.86	54	29.57	31.66	9.46	29.55	105	112	A	H
		5145.6	50.65	-23.35	74	39.99	31.79	8.51	29.64	103	81	P	V
		5098	40.81	-13.19	54	30.34	31.7	8.43	29.66	103	81	A	V
		5300	105.02	-	-	93.79	31.75	9.05	29.57	103	81	P	V
		5300	96.49	-	-	85.26	31.75	9.05	29.57	103	81	A	V
		5355.12	50.34	-23.66	74	38.76	31.67	9.46	29.55	103	81	P	V
		5350.08	41.92	-12.08	54	30.34	31.67	9.46	29.55	103	81	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 64 5320MHz		5320	104.38	-	-	92.97	31.72	9.26	29.57	100	111	P	H
		5320	94.8	-	-	83.39	31.72	9.26	29.57	100	111	A	H
		5381.28	50.47	-23.53	74	38.92	31.63	9.46	29.54	100	111	P	H
		5350.08	42.29	-11.71	54	30.71	31.67	9.46	29.55	100	111	A	H
		5320	105.81	-	-	94.4	31.72	9.26	29.57	100	285	P	V
		5320	97.36	-	-	85.95	31.72	9.26	29.57	100	285	A	V
		5377.6	52.86	-21.14	74	41.31	31.63	9.46	29.54	100	285	P	V
		5350.08	44	-10	54	32.42	31.67	9.46	29.55	100	285	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		7013.5	50.81	-17.49	68.3	56.76	35.35	10.22	51.52	100	201	P	H
		10520	50.35	-17.95	68.3	49.7	39.82	12.17	51.34	144	213	P	H
		15780	50.28	-23.72	74	49.65	38.1	14.69	52.16	136	142	P	H
		7013.5	54.35	-13.95	68.3	60.3	35.35	10.22	51.52	100	144	P	V
		10520	50.65	-17.65	68.3	50	39.82	12.17	51.34	150	220	P	V
		15780	50.05	-23.95	74	49.42	38.1	14.69	52.16	159	345	P	V
802.11a CH 60 5300MHz		7066.5	51.43	-16.87	68.3	57.23	35.57	10.2	51.57	132	146	P	H
		10600	50.79	-23.21	74	50.17	39.92	12.23	51.53	126	252	P	H
		15900	50.23	-23.77	74	49.73	37.72	14.75	51.97	129	164	P	H
		7066.5	54.59	-13.71	68.3	60.39	35.57	10.2	51.57	165	138	P	V
		10600	50.51	-23.49	74	49.89	39.92	12.23	51.53	185	215	P	V
		15900	49	-25	74	48.5	37.72	14.75	51.97	196	190	P	V
802.11a CH 64 5320MHz		7093	52.71	-15.59	68.3	58.43	35.67	10.2	51.59	132	88	P	H
		10640	50.68	-23.32	74	50.05	39.97	12.26	51.6	126	139	P	H
		15960	48.77	-25.23	74	48.32	37.53	14.78	51.86	146	263	P	H
		7093	54.74	-13.56	68.3	60.46	35.67	10.2	51.59	177	351	P	V
		10640	49.95	-24.05	74	49.32	39.97	12.26	51.6	152	135	P	V
		15960	50.07	-23.93	74	49.62	37.53	14.78	51.86	173	245	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5017.42	50.74	-23.26	74	40.61	31.53	8.29	29.69	104	113	P	H
		5145.34	40.79	-13.21	54	30.13	31.79	8.51	29.64	104	113	A	H
		5260	100.75	-	-	89.68	31.81	8.85	29.59	104	113	P	H
		5260	94.94	-	-	83.87	31.81	8.85	29.59	104	113	A	H
		5458.32	50.19	-23.81	74	38.25	31.77	9.68	29.51	104	113	P	H
		5458.56	40.72	-13.28	54	28.77	31.78	9.68	29.51	104	113	A	H
		5083.46	51.96	-22.04	74	41.53	31.67	8.43	29.67	116	94	P	V
		5145.08	40.85	-13.15	54	30.19	31.79	8.51	29.64	116	94	A	V
		5260	104.04	-	-	92.97	31.81	8.85	29.59	116	94	P	V
		5260	98.07	-	-	87	31.81	8.85	29.59	116	94	A	V
		5390.88	50.84	-23.16	74	39.11	31.61	9.66	29.54	116	94	P	V
		5458.56	40.81	-13.19	54	28.86	31.78	9.68	29.51	116	94	A	V
802.11n HT20 CH 60 5300MHz		5094.85	50.38	-23.62	74	39.92	31.69	8.43	29.66	105	112	P	H
		5149.45	40.79	-13.21	54	30.12	31.8	8.51	29.64	105	112	A	H
		5300	103.19	-	-	91.96	31.75	9.05	29.57	105	112	P	H
		5300	96.78	-	-	85.55	31.75	9.05	29.57	105	112	A	H
		5443.68	50.85	-23.15	74	38.96	31.73	9.68	29.52	105	112	P	H
		5350.08	41.38	-12.62	54	29.8	31.67	9.46	29.55	105	112	A	H
		5147.35	50.69	-23.31	74	40.03	31.79	8.51	29.64	118	95	P	V
		5145.95	41.11	-12.89	54	30.45	31.79	8.51	29.64	118	95	A	V
		5300	104.52	-	-	93.29	31.75	9.05	29.57	118	95	P	V
		5300	98.49	-	-	87.26	31.75	9.05	29.57	118	95	A	V
		5399.52	51.73	-22.27	74	40	31.6	9.66	29.53	118	95	P	V
		5351.28	42.26	-11.74	54	30.68	31.67	9.46	29.55	118	95	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 64 5320MHz		5320	103.84	-	-	92.43	31.72	9.26	29.57	103	111	P	H
		5320	98.11	-	-	86.7	31.72	9.26	29.57	103	111	A	H
		5398.08	50.73	-23.27	74	39.01	31.6	9.66	29.54	103	111	P	H
		5350.08	42.43	-11.57	54	30.85	31.67	9.46	29.55	103	111	A	H
		5320	104.52	-	-	93.11	31.72	9.26	29.57	106	95	P	V
		5320	98.17	-	-	86.76	31.72	9.26	29.57	106	95	A	V
		5363.2	52.11	-21.89	74	40.54	31.66	9.46	29.55	106	95	P	V
		5350.08	43.3	-10.7	54	31.72	31.67	9.46	29.55	106	95	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		7013	50.73	-17.57	68.3	56.68	35.35	10.22	51.52	153	127	P	H
		10520	49.88	-18.42	68.3	49.23	39.82	12.17	51.34	144	213	P	H
		15780	49.27	-24.73	74	48.64	38.1	14.69	52.16	136	142	P	H
		7013	53.01	-15.29	68.3	58.96	35.35	10.22	51.52	188	256	P	V
		10520	49.49	-18.81	68.3	48.84	39.82	12.17	51.34	150	220	P	V
		15780	49.5	-24.5	74	48.87	38.1	14.69	52.16	159	345	P	V
802.11n HT20 CH 60 5300MHz		7066	54.72	-13.58	68.3	60.53	35.56	10.2	51.57	158	169	P	H
		10600	49.58	-24.42	74	48.96	39.92	12.23	51.53	126	252	P	H
		15900	48.54	-25.46	74	48.04	37.72	14.75	51.97	129	164	P	H
		7066	55.83	-12.47	68.3	61.64	35.56	10.2	51.57	100	352	P	V
		10600	50.5	-23.5	74	49.88	39.92	12.23	51.53	185	215	P	V
		15900	48.41	-25.59	74	47.91	37.72	14.75	51.97	196	190	P	V
802.11n HT20 CH 64 5320MHz		7093	54.55	-13.75	68.3	60.27	35.67	10.2	51.59	188	246	P	H
		10640	49.92	-24.08	74	49.29	39.97	12.26	51.6	126	139	P	H
		15960	47.6	-26.4	74	47.15	37.53	14.78	51.86	146	263	P	H
		7095	56.54	-11.76	68.3	62.26	35.68	10.2	51.6	162	121	P	V
		10640	50.09	-23.91	74	49.46	39.97	12.26	51.6	152	135	P	V
		15960	48.87	-25.13	74	48.42	37.53	14.78	51.86	173	245	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5136.15	51.65	-22.35	74	41.02	31.77	8.51	29.65	100	117	P	H
		5140.7	43.11	-10.89	54	32.47	31.78	8.51	29.65	100	117	A	H
		5270	100.14	-	-	89.08	31.8	8.85	29.59	100	117	P	H
		5270	94.05	-	-	82.99	31.8	8.85	29.59	100	117	A	H
		5361.84	51.5	-22.5	74	39.93	31.66	9.46	29.55	100	117	P	H
		5357.76	43.94	-10.06	54	32.37	31.66	9.46	29.55	100	117	A	H
		5148.05	49.94	-24.06	74	39.27	31.8	8.51	29.64	101	92	P	V
		5144.55	43.05	-10.95	54	32.39	31.79	8.51	29.64	101	92	A	V
		5270	101.23	-	-	90.17	31.8	8.85	29.59	101	92	P	V
		5270	95.27	-	-	84.21	31.8	8.85	29.59	101	92	A	V
		5368.08	51.63	-22.37	74	40.07	31.65	9.46	29.55	101	92	P	V
		5360.16	44.46	-9.54	54	32.89	31.66	9.46	29.55	101	92	A	V
802.11n HT40 CH 62 5310MHz		5131.95	47.21	-26.79	74	39.49	31.76	8.51	32.55	100	121	P	H
		5081.55	39.66	-14.34	54	32.1	31.66	8.43	32.53	100	121	A	H
		5310	94.97	-	-	86.6	31.74	9.26	32.63	100	121	P	H
		5310	86.85	-	-	78.48	31.74	9.26	32.63	100	121	A	H
		5350.56	54.53	-19.47	74	46.05	31.67	9.46	32.65	100	121	P	H
		5350.56	48.65	-5.35	54	40.17	31.67	9.46	32.65	100	121	A	H
		5088.9	47.49	-26.51	74	39.91	31.68	8.43	32.53	100	272	P	V
		5096.6	39.55	-14.45	54	31.97	31.69	8.43	32.54	100	272	A	V
		5310	97.43	-	-	89.06	31.74	9.26	32.63	100	272	P	V
		5310	88.66	-	-	80.29	31.74	9.26	32.63	100	272	A	V
		5350.08	56.22	-17.78	74	47.74	31.67	9.46	32.65	100	272	P	V
		5350.08	50.25	-3.75	54	41.77	31.67	9.46	32.65	100	272	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		7028	51.35	-16.95	68.3	57.26	35.41	10.21	51.53	100	211	P	H
		10540	50.81	-17.49	68.3	50.14	39.85	12.2	51.38	125	211	P	H
		15810	49.34	-24.66	74	48.72	38.01	14.71	52.1	126	269	P	H
		7028	51.89	-16.41	68.3	57.8	35.41	10.21	51.53	100	311	P	V
		10540	50.58	-17.72	68.3	49.91	39.85	12.2	51.38	150	220	P	V
		15810	49.05	-24.95	74	48.43	38.01	14.71	52.1	168	345	P	V
802.11n HT40 CH 62 5310MHz		7077.5	49.49	-18.81	68.3	55.27	35.61	10.2	51.59	100	291	P	H
		10620	49.7	-24.3	74	49.07	39.94	12.26	51.57	126	248	P	H
		15930	47.32	-26.68	74	46.85	37.62	14.76	51.91	120	149	P	H
		7077.5	50.19	-18.11	68.3	55.97	35.61	10.2	51.59	100	254	P	V
		10620	49.7	-24.3	74	49.07	39.94	12.26	51.57	150	220	P	V
		15930	48.09	-25.91	74	47.62	37.62	14.76	51.91	160	100	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5043.75	47.3	-26.7	74	39.87	31.59	8.36	32.52	108	115	P	H
		5097.3	39.57	-14.43	54	31.99	31.69	8.43	32.54	108	115	A	H
		5260	89.41	-	-	81.36	31.81	8.85	32.61	108	115	P	H
		5260	81.72	-	-	73.67	31.81	8.85	32.61	108	115	A	H
		5353.44	53.82	-20.18	74	45.34	31.67	9.46	32.65	108	115	P	H
		5352.48	46.79	-7.21	54	38.31	31.67	9.46	32.65	108	115	A	H
		5083.65	47.47	-26.53	74	39.9	31.67	8.43	32.53	100	272	P	V
		5149.8	39.61	-14.39	54	31.86	31.8	8.51	32.56	100	272	A	V
		5260	91.97	-	-	83.92	31.81	8.85	32.61	100	272	P	V
		5260	83.88	-	-	75.83	31.81	8.85	32.61	100	272	A	V
		5356.08	57.45	-16.55	74	48.97	31.67	9.46	32.65	100	272	P	V
		5352.48	49.96	-4.04	54	41.48	31.67	9.46	32.65	100	272	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		7055.5	52.74	-15.56	68.3	58.56	35.52	10.21	51.55	100	131	P	H
		10580	50.84	-17.46	68.3	50.2	39.9	12.23	51.49	185	215	P	H
		15870	48.98	-25.02	74	48.42	37.82	14.73	51.99	196	190	P	H
		7055.5	53.51	-14.79	68.3	59.33	35.52	10.21	51.55	100	247	P	V
		10580	50.72	-17.58	68.3	50.08	39.9	12.23	51.49	170	232	P	V
		15870	48.56	-25.44	74	48	37.82	14.73	51.99	190	130	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5459.76	50.5	-23.5	74	38.55	31.78	9.68	29.51	100	166	P	H
		5467.12	56.62	-11.68	68.3	44.63	31.8	9.7	29.51	100	166	P	H
		5459.76	42.87	-11.13	54	30.92	31.78	9.68	29.51	100	166	A	H
		5500	105.35	-	-	93.25	31.9	9.7	29.5	100	166	P	H
		5500	96.33	-	-	84.23	31.9	9.7	29.5	100	166	A	H
		5439.44	52.71	-21.29	74	40.83	31.72	9.68	29.52	100	116	P	V
		5470	57.64	-10.66	68.3	45.64	31.81	9.7	29.51	100	116	P	V
		5460	43.56	-10.44	54	31.61	31.78	9.68	29.51	100	116	A	V
		5500	106.74	-	-	94.64	31.9	9.7	29.5	100	116	P	V
		5500	98.63	-	-	86.53	31.9	9.7	29.5	100	116	A	V
802.11a CH 116 5580MHz		5350.48	50.12	-23.88	74	38.54	31.67	9.46	29.55	102	109	P	H
		5466.4	52.38	-15.92	68.3	40.39	31.8	9.7	29.51	102	109	P	H
		5459.92	41.36	-12.64	54	29.41	31.78	9.68	29.51	102	109	A	H
		5580	109.22	-	-	96.8	32.14	9.74	29.46	102	109	P	H
		5580	101.21	-	-	88.79	32.14	9.74	29.46	102	109	A	H
		5724.995	51.57	-16.73	68.3	38.77	32.2	10.01	29.41	102	109	P	H
		5410.96	50.32	-23.68	74	38.56	31.63	9.66	29.53	105	294	P	V
		5470	49.19	-19.11	68.3	37.19	31.81	9.7	29.51	105	294	P	V
		5459.68	40.82	-13.18	54	28.87	31.78	9.68	29.51	105	294	A	V
		5580	112.26	-	-	99.84	32.14	9.74	29.46	105	294	P	V
		5580	104.87	-	-	92.45	32.14	9.74	29.46	105	294	A	V
		5736.335	52.62	-15.68	68.3	39.81	32.2	10.01	29.4	105	294	P	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 140 5700MHz		5700	111.39	-	-	98.6	32.2	10.01	29.42	102	102	P	H
		5700	102.42	-	-	89.63	32.2	10.01	29.42	102	102	A	H
		5725.08	60.17	-8.13	68.3	47.37	32.2	10.01	29.41	102	102	P	H
		5700	112.08	-	-	99.29	32.2	10.01	29.42	106	298	P	V
		5700	104.75	-	-	91.96	32.2	10.01	29.42	106	298	A	V
		5729.32	63.24	-5.06	68.3	50.44	32.2	10.01	29.41	106	298	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		7330.5	52.04	-21.96	74	57.46	36.23	10.18	51.83	100	297	P	H
		7330.5	44.98	-9.02	54	50.4	36.23	10.18	51.83	100	297	A	H
		11000	50.3	-23.7	74	49.79	40.4	12.51	52.4	123	216	P	H
		16500	51.38	-16.92	68.3	49.23	39.5	15.15	52.5	184	226	P	H
		7330.5	52.62	-21.38	74	58.04	36.23	10.18	51.83	100	355	P	V
		7330.5	45.68	-8.32	54	51.1	36.23	10.18	51.83	100	355	A	V
		11000	50.57	-23.43	74	50.06	40.4	12.51	52.4	155	212	P	V
		16500	52.05	-16.25	68.3	49.9	39.5	15.15	52.5	178	296	P	V
802.11a CH 116 5580MHz		11160	51.05	-22.95	74	50.54	40.43	12.65	52.57	183	320	P	H
		16740	51.84	-16.46	68.3	47.85	40.89	15.36	52.26	163	232	P	H
		11160	50.88	-23.12	74	50.37	40.43	12.65	52.57	170	200	P	V
		16740	51.44	-16.86	68.3	47.45	40.89	15.36	52.26	156	350	P	V
802.11a CH 140 5700MHz		7600	52.23	-21.77	74	57.66	36.5	10.13	52.06	147	127	P	H
		7600	45.97	-8.03	54	51.4	36.5	10.13	52.06	147	127	A	H
		11400	49.89	-24.11	74	49.39	40.48	12.82	52.8	157	285	P	H
		17100	53.98	-14.32	68.3	47.76	42.74	15.62	52.14	165	246	P	H
		7600	54.74	-19.26	74	60.17	36.5	10.13	52.06	156	174	P	V
		7600	49.07	-4.93	54	54.5	36.5	10.13	52.06	156	174	A	V
		11400	51.25	-22.75	74	50.75	40.48	12.82	52.8	122	291	P	V
		17100	54.59	-13.71	68.3	48.37	42.74	15.62	52.14	153	102	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5447.44	50.17	-23.83	74	38.27	31.74	9.68	29.52	100	116	P	H
		5469.52	52.55	-15.75	68.3	40.55	31.81	9.7	29.51	100	116	P	H
		5460	42.38	-11.62	54	30.43	31.78	9.68	29.51	100	116	A	H
		5500	107.57	-	-	95.47	31.9	9.7	29.5	100	116	P	H
		5500	101.24	-	-	89.14	31.9	9.7	29.5	100	116	A	H
		5456.24	51.25	-22.75	74	39.31	31.77	9.68	29.51	130	94	P	V
		5466.8	52.83	-15.47	68.3	40.84	31.8	9.7	29.51	130	94	P	V
		5460	43.15	-10.85	54	31.2	31.78	9.68	29.51	130	94	A	V
		5500	108.95	-	-	96.85	31.9	9.7	29.5	130	94	P	V
		5500	102.43	-	-	90.33	31.9	9.7	29.5	130	94	A	V
802.11n HT20 CH 116 5580MHz		5439.76	49.97	-24.03	74	38.09	31.72	9.68	29.52	100	115	P	H
		5461.84	49.38	-18.92	68.3	37.42	31.79	9.68	29.51	100	115	P	H
		5459.44	41.1	-12.9	54	29.15	31.78	9.68	29.51	100	115	A	H
		5580	109.14	-	-	96.72	32.14	9.74	29.46	100	115	P	H
		5580	102.98	-	-	90.56	32.14	9.74	29.46	100	115	A	H
		5757.125	51.33	-16.97	68.3	38.43	32.2	10.09	29.39	100	115	P	H
		5457.76	50.7	-23.3	74	38.76	31.77	9.68	29.51	104	93	P	V
		5463.04	49.68	-18.62	68.3	37.72	31.79	9.68	29.51	104	93	P	V
		5459.68	40.94	-13.06	54	28.99	31.78	9.68	29.51	104	93	A	V
		5580	110.02	-	-	97.6	32.14	9.74	29.46	104	93	P	V
		5580	103.53	-	-	91.11	32.14	9.74	29.46	104	93	A	V
		5747.99	50.73	-17.57	68.3	37.84	32.2	10.09	29.4	104	93	P	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 140 5700MHz		5700	109.92	-	-	97.13	32.2	10.01	29.42	100	110	P	H
		5700	103.79	-	-	91	32.2	10.01	29.42	100	110	A	H
		5725.08	62.03	-6.27	68.3	49.23	32.2	10.01	29.41	100	110	P	H
		5700	110.47	-	-	97.68	32.2	10.01	29.42	100	83	P	V
		5700	104.67	-	-	91.88	32.2	10.01	29.42	100	83	A	V
		5727.32	61.86	-6.44	68.3	49.06	32.2	10.01	29.41	100	83	P	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		7330.5	50.84	-23.16	74	56.26	36.23	10.18	51.83	100	209	P	H
		7330.5	43.24	-10.76	54	48.66	36.23	10.18	51.83	100	209	A	H
		11000	50.29	-23.71	74	49.78	40.4	12.51	52.4	123	216	P	H
		16500	50.91	-17.39	68.3	48.76	39.5	15.15	52.5	184	226	P	H
		7330.5	51.84	-22.16	74	57.26	36.23	10.18	51.83	201	0	P	V
		7330.5	45.34	-8.66	54	50.76	36.23	10.18	51.83	201	0	A	V
		11000	50.1	-23.9	74	49.59	40.4	12.51	52.4	155	212	P	V
		16500	50.81	-17.49	68.3	48.66	39.5	15.15	52.5	178	296	P	V
802.11n HT20 CH 116 5580MHz		7440.5	51.23	-22.77	74	56.67	36.34	10.17	51.95	100	151	P	H
		7440.5	42.62	-11.38	54	48.06	36.34	10.17	51.95	100	151	A	H
		11160	50.98	-23.02	74	50.47	40.43	12.65	52.57	183	320	P	H
		16740	51.81	-16.49	68.3	47.82	40.89	15.36	52.26	163	232	P	H
		7440.5	51.18	-22.82	74	56.62	36.34	10.17	51.95	100	342	P	V
		7440.5	43.16	-10.84	54	48.6	36.34	10.17	51.95	100	342	A	V
		11160	50.77	-23.23	74	50.26	40.43	12.65	52.57	170	200	P	V
		16740	50.92	-17.38	68.3	46.93	40.89	15.36	52.26	156	350	P	V
802.11n HT20 CH 140 5700MHz		7600	49.74	-24.26	74	55.17	36.5	10.13	52.06	100	184	P	H
		7600	40.88	-13.12	54	46.31	36.5	10.13	52.06	100	184	A	H
		11400	50.05	-23.95	74	49.55	40.48	12.82	52.8	157	285	P	H
		17100	53.54	-14.76	68.3	47.32	42.74	15.62	52.14	165	246	P	H
		7600	49.83	-24.17	74	55.26	36.5	10.13	52.06	100	340	P	V
		7600	41.18	-12.82	54	46.61	36.5	10.13	52.06	100	340	A	V
		11400	49.67	-24.33	74	49.17	40.48	12.82	52.8	122	291	P	V
		17100	54	-14.3	68.3	47.78	42.74	15.62	52.14	153	102	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5457.76	53.84	-20.16	74	45.08	31.77	9.68	32.69	100	110	P	H
		5468.32	60.14	-8.16	68.3	51.33	31.8	9.7	32.69	100	110	P	H
		5459.92	48.69	-5.31	54	39.92	31.78	9.68	32.69	100	110	A	H
		5510	97.3	-	-	88.34	31.93	9.72	32.69	100	110	P	H
		5510	89.56	-	-	80.6	31.93	9.72	32.69	100	110	A	H
		5731.61	48.42	-19.88	68.3	38.86	32.2	10.01	32.65	100	110	P	H
		5457.76	55.27	-18.73	74	46.51	31.77	9.68	32.69	100	279	P	V
		5469.52	63.05	-5.25	68.3	54.23	31.81	9.7	32.69	100	279	P	V
		5459.92	50.67	-3.33	54	41.9	31.78	9.68	32.69	100	279	A	V
		5510	101.07	-	-	92.11	31.93	9.72	32.69	100	279	P	V
		5510	93.01	-	-	84.05	31.93	9.72	32.69	100	279	A	V
		5732.555	49.55	-18.75	68.3	39.99	32.2	10.01	32.65	100	279	P	V
802.11n HT40 CH 110 5550MHz		5455.6	51.65	-22.35	74	39.71	31.77	9.68	29.51	100	143	P	H
		5465.92	51.72	-16.58	68.3	39.73	31.8	9.7	29.51	100	143	P	H
		5458.96	43.83	-10.17	54	31.88	31.78	9.68	29.51	100	143	A	H
		5550	103.66	-	-	91.35	32.05	9.74	29.48	100	143	P	H
		5550	96.94	-	-	84.63	32.05	9.74	29.48	100	143	A	H
		5730.98	51.56	-16.74	68.3	38.75	32.2	10.01	29.4	100	143	P	H
		5458	52.56	-21.44	74	40.62	31.77	9.68	29.51	100	292	P	V
		5470	54.32	-13.98	68.3	42.32	31.81	9.7	29.51	100	292	P	V
		5459.2	45.26	-8.74	54	33.31	31.78	9.68	29.51	100	292	A	V
		5550	109.43	-	-	97.12	32.05	9.74	29.48	100	292	P	V
		5550	102.1	-	-	89.79	32.05	9.74	29.48	100	292	A	V
		5732.24	51.37	-16.93	68.3	38.56	32.2	10.01	29.4	100	292	P	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 134 5670MHz		5397.6	50.05	-23.95	74	38.33	31.6	9.66	29.54	100	114	P	H
		5463.75	49.8	-18.5	68.3	37.84	31.79	9.68	29.51	100	114	P	H
		5455	42.24	-11.76	54	30.3	31.77	9.68	29.51	100	114	A	H
		5670	105.74	-	-	93.05	32.2	9.92	29.43	100	114	P	H
		5670	98.99	-	-	86.3	32.2	9.92	29.43	100	114	A	H
		5725.275	57.91	-10.39	68.3	45.11	32.2	10.01	29.41	100	114	P	H
		5424.2	49.4	-24.6	74	37.6	31.67	9.66	29.53	100	291	P	V
		5460.6	49.36	-18.94	68.3	37.41	31.78	9.68	29.51	100	291	P	V
		5443.1	42.73	-11.27	54	30.84	31.73	9.68	29.52	100	291	A	V
		5670	110.57	-	-	97.88	32.2	9.92	29.43	100	291	P	V
		5670	103.15	-	-	90.46	32.2	9.92	29.43	100	291	A	V
		5732.8	62.89	-5.41	68.3	50.08	32.2	10.01	29.4	100	291	P	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		7347	49.84	-24.16	74	55.25	36.25	10.18	51.84	100	133	P	H
		7347	42.76	-11.24	54	48.17	36.25	10.18	51.84	100	133	A	H
		11020	51.03	-22.97	74	50.51	40.4	12.54	52.42	123	215	P	H
		16530	50.1	-18.2	68.3	47.72	39.67	15.18	52.47	182	148	P	H
		7347	50.04	-23.96	74	55.45	36.25	10.18	51.84	100	315	P	V
		7347	43.71	-10.29	54	49.12	36.25	10.18	51.84	100	315	A	V
		11020	50.75	-23.25	74	50.23	40.4	12.54	52.42	170	230	P	V
		16530	49.88	-18.42	68.3	47.5	39.67	15.18	52.47	160	300	P	V
802.11n HT40 CH 110 5550MHz		7400	51.35	-22.65	74	56.77	36.3	10.18	51.9	100	291	P	H
		7400	43.14	-10.86	54	48.56	36.3	10.18	51.9	100	291	A	H
		11100	50.52	-23.48	74	50	40.42	12.6	52.5	153	216	P	H
		16650	51.26	-17.04	68.3	47.96	40.37	15.27	52.34	123	315	P	H
		7400	52.1	-21.9	74	57.52	36.3	10.18	51.9	100	344	P	V
		7400	44.37	-9.63	54	49.79	36.3	10.18	51.9	100	344	A	V
		11100	50.99	-23.01	74	50.47	40.42	12.6	52.5	155	210	P	V
		16650	50.69	-17.61	68.3	47.39	40.37	15.27	52.34	171	352	P	V
802.11n HT40 CH 134 5670MHz		7561.5	50.66	-23.34	74	56.1	36.46	10.14	52.04	100	144	P	H
		7561.5	44.32	-9.68	54	49.76	36.46	10.14	52.04	100	144	A	H
		11340	50.82	-23.18	74	50.32	40.47	12.76	52.73	195	335	P	H
		17010	53.25	-15.05	68.3	47.28	42.43	15.56	52.02	144	152	P	H
		7561.5	51.66	-22.34	74	57.1	36.46	10.14	52.04	100	236	P	V
		7561.5	44.69	-9.31	54	50.13	36.46	10.14	52.04	100	236	A	V
		11340	51.24	-22.76	74	50.74	40.47	12.76	52.73	125	198	P	V
		17010	52.61	-15.69	68.3	46.64	42.43	15.56	52.02	185	290	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5459.2	53.1	-20.9	74	44.33	31.78	9.68	32.69	100	111	P	H
		5468.32	55.92	-12.38	68.3	47.11	31.8	9.7	32.69	100	111	P	H
		5459.92	46.59	-7.41	54	37.82	31.78	9.68	32.69	100	111	A	H
		5530	92.74	-	-	83.72	31.99	9.72	32.69	100	111	P	H
		5530	85.02	-	-	76	31.99	9.72	32.69	100	111	A	H
		5724.995	47.94	-20.36	68.3	38.38	32.2	10.01	32.65	100	111	P	H
		5457.76	55.64	-18.36	74	46.88	31.77	9.68	32.69	100	297	P	V
		5468.32	58.71	-9.59	68.3	49.9	31.8	9.7	32.69	100	297	P	V
		5459.92	49.74	-4.26	54	40.97	31.78	9.68	32.69	100	297	A	V
		5530	96.49	-	-	87.47	31.99	9.72	32.69	100	297	P	V
		5530	88.82	-	-	79.8	31.99	9.72	32.69	100	297	A	V
		5748.935	49.03	-19.27	68.3	39.39	32.2	10.09	32.65	100	297	P	V
802.11ac VHT80 CH 122 5610MHz		5397.04	49.5	-24.5	74	37.78	31.6	9.66	29.54	100	234	P	H
		5462.56	50.46	-17.84	68.3	38.5	31.79	9.68	29.51	100	234	P	H
		5458.48	42.58	-11.42	54	30.63	31.78	9.68	29.51	100	234	A	H
		5610	101.32	-	-	88.81	32.2	9.76	29.45	100	234	P	H
		5610	94.13	-	-	81.62	32.2	9.76	29.45	100	234	A	H
		5725.8	56.34	-11.96	68.3	43.54	32.2	10.01	29.41	100	234	P	H
		5370.88	50.17	-23.83	74	38.62	31.64	9.46	29.55	100	261	P	V
		5466.64	50.73	-17.57	68.3	38.74	31.8	9.7	29.51	100	261	P	V
		5459.2	43.87	-10.13	54	31.92	31.78	9.68	29.51	100	261	A	V
		5610	106.03	-	-	93.52	32.2	9.76	29.45	100	261	P	V
		5610	99.18	-	-	86.67	32.2	9.76	29.45	100	261	A	V
		5730.7	60.25	-8.05	68.3	47.44	32.2	10.01	29.4	100	261	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		7374.5	51.01	-22.99	74	56.44	36.27	10.18	51.88	100	211	P	H
		7374.5	43.54	-10.46	54	48.97	36.27	10.18	51.88	100	211	A	H
		11060	51.6	-22.4	74	51.09	40.41	12.57	52.47	170	230	P	H
		16590	51.85	-16.45	68.3	49	40.02	15.24	52.41	155	305	P	H
		7374.5	52.14	-21.86	74	57.57	36.27	10.18	51.88	100	331	P	V
		7374.5	44.14	-9.86	54	49.57	36.27	10.18	51.88	100	331	A	V
		11060	51.42	-22.58	74	50.91	40.41	12.57	52.47	166	212	P	V
		16590	50.91	-17.39	68.3	48.06	40.02	15.24	52.41	132	343	P	V
802.11ac VHT80 CH 122 5610MHz		7479	50.26	-23.74	74	55.7	36.38	10.16	51.98	100	144	P	H
		7479	42.45	-11.55	54	47.89	36.38	10.16	51.98	100	144	A	H
		11220	51.54	-22.46	74	51.04	40.44	12.68	52.62	200	360	P	H
		16830	51.98	-16.32	68.3	47.32	41.41	15.42	52.17	170	315	P	H
		7479	50.96	-23.04	74	56.4	36.38	10.16	51.98	100	321	P	V
		7479	43.28	-10.72	54	48.72	36.38	10.16	51.98	100	321	A	V
		11220	49.78	-24.22	74	49.28	40.44	12.68	52.62	155	260	P	V
		16830	52.45	-15.85	68.3	47.79	41.41	15.42	52.17	180	220	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 3 - Straddle Channel****WIFI 802.11a (Harmonic @ 3m)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		11440	49.44	-24.56	74	48.93	40.49	12.85	52.83	157	285	P	H
		17160	47.32	-20.98	68.3	40.96	42.94	15.65	52.23	165	246	P	H
		11440	49.53	-24.47	74	49.02	40.49	12.85	52.83	122	291	P	V
		17160	47.35	-20.95	68.3	40.99	42.94	15.65	52.23	153	102	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		11440	49.92	-24.08	74	49.41	40.49	12.85	52.83	122	325	P	H
HT20		17160	48.65	-19.65	68.3	42.29	42.94	15.65	52.23	185	147	P	H
CH 144		11440	49.76	-24.24	74	49.25	40.49	12.85	52.83	156	152	P	V
5720MHz		17160	48.68	-19.62	68.3	42.32	42.94	15.65	52.23	163	144	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		11420	49.69	-24.31	74	49.21	40.48	12.82	52.82	157	285	P	H
HT40		17130	48.55	-19.75	68.3	42.25	42.84	15.65	52.19	165	246	P	H
CH 142		11420	50.15	-23.85	74	49.67	40.48	12.82	52.82	122	291	P	V
5710MHz		17130	47.42	-20.88	68.3	41.12	42.84	15.65	52.19	153	102	P	V



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11380	49.44	-24.56	74	48.95	40.48	12.79	52.78	195	335	P	H
VHT80		17070	50.53	-17.77	68.3	44.39	42.64	15.59	52.09	162	310	P	H
CH 138		11380	49.21	-24.79	74	48.72	40.48	12.79	52.78	125	315	P	V
5690MHz		17070	49.69	-18.61	68.3	43.55	42.64	15.59	52.09	185	290	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												


Emission below 1GHz
WIFI 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		37.76	30.45	-9.55	40	40.98	20.68	0.59	31.8	144	188	P	H
		150.28	29.99	-13.51	43.5	44.38	16.76	1.25	32.4	-	-	P	H
		169.68	28.9	-14.6	43.5	44.02	15.87	1.33	32.32	-	-	P	H
		288.02	28.54	-17.46	46	39.61	19.17	1.76	32	-	-	P	H
		503.36	30.1	-15.9	46	36.09	23.78	2.34	32.11	-	-	P	H
		670.2	31.43	-14.57	46	35.64	25.3	2.69	32.2	-	-	P	H
		37.76	36.31	-3.69	40	46.84	20.68	0.59	31.8	182	180	P	V
		166.77	29.85	-13.65	43.5	44.88	15.98	1.32	32.33	-	-	P	V
		276.38	28.22	-17.78	46	39.49	19	1.73	32	-	-	P	V
		442.25	30.45	-15.55	46	37.38	22.79	2.18	31.9	-	-	P	V
		740.04	28.33	-17.67	46	31.73	26.05	2.83	32.28	-	-	P	V
		806	28.65	-17.35	46	31.67	26.24	2.95	32.21	-	-	P	V
Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	P eak or A verage
H/V	H orizontal or V ertical



A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

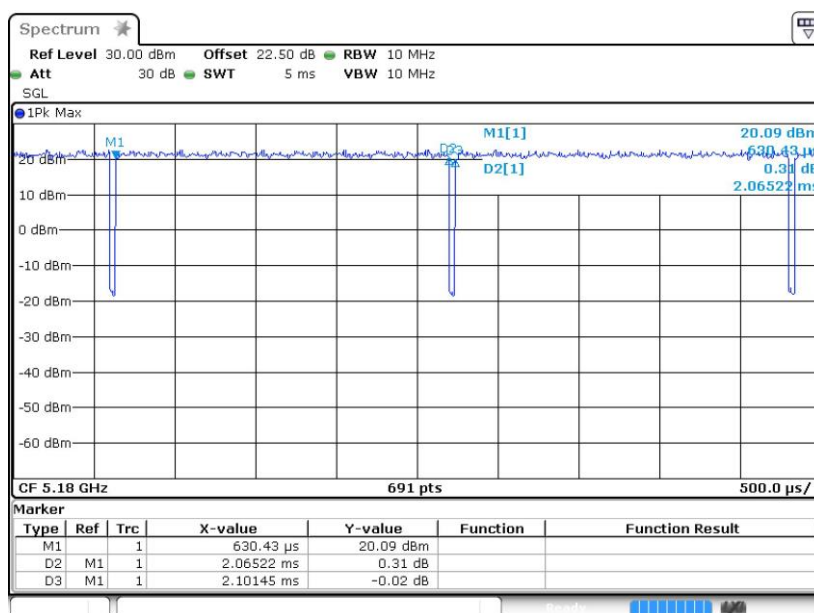
= -10.46(dB)

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

Appendix D. Duty Cycle Plots

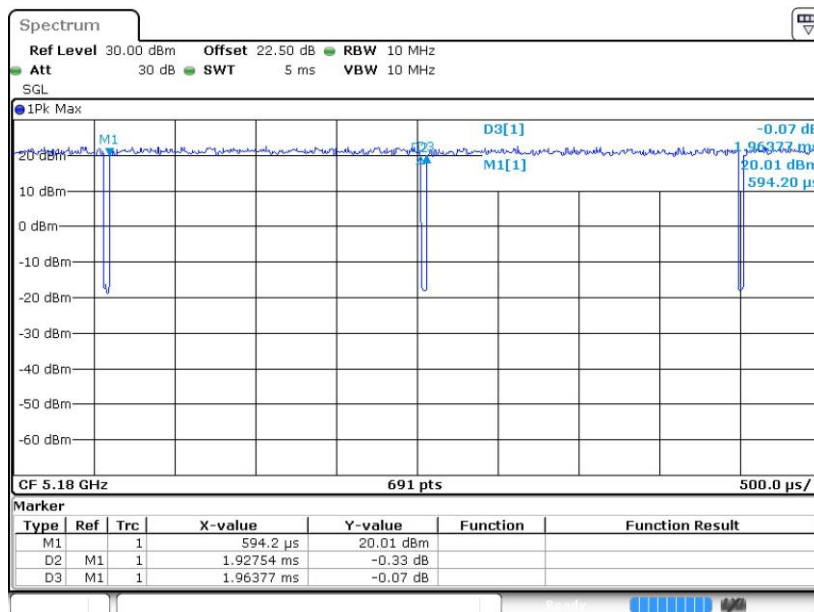
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	98.28	-	-	10Hz
802.11n HT20	98.16	-	-	10Hz
802.11n HT40	96.32	0.9493	1.053	3KHz
802.11ac VHT80	92.79	0.466	2.146	3KHz

802.11a





802.11n HT20



802.11n HT40

