



FCC RF Test Report

APPLICANT : Nokia Shanghai Bell Co., Ltd.
EQUIPMENT : Nokia WiFi Beacon 2
BRAND NAME : Nokia
MODEL NAME : Beacon 2
FCC ID : 2ADZRBEACON2
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure
TEST DATE(S) : Oct. 22, 2020 ~ Feb. 24, 2022

We, Sporton International Inc. (Kunshan), 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 Inc. (Kunshan), the test report shall not be reproduced except in full.

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR093003-03B	Rev. 01	Initial issue of report	Mar. 02, 2022

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	≤ 30 dBm for Band 1, and 24 dBm for Band 2 / 3	Pass	-
0	15.407(a)	Power Spectral Density	≤ 17 dBm for Band 1, and 11 dBm for Band 2 / 3	Pass	-
3.4	15.407(b)	Unwanted Emissions	15.407(b) & 15.209(a)	Pass	Under limit 0.16 dB at 5458.80 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 2.23 dB at 0.417 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.7	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-

Declaration of Conformity:

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

Comments and Explanations:

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



1 General Description

1.1 Applicant

Nokia Shanghai Bell Co., Ltd.

No.388, Ningqiao Rd, Pilot Free Trade Zone Shanghai, 201206 P.R. China

1.2 Manufacturer

Nokia Shanghai Bell Co., Ltd.

No.388, Ningqiao Rd, Pilot Free Trade Zone Shanghai, 201206 P.R. China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Nokia WiFi Beacon 2
Brand Name	Nokia
Model Name	Beacon 2
FCC ID	2ADZRBEACON2
EUT supports Radios application	WLAN 2.4GHz 802.11b/g/n (HT20/HT40) WLAN 2.4GHz 802.11ax (HE20/HE40) WLAN 5GHz 802.11a/n/ac (HT20/HT40/VHT20/VHT40/VHT80) WLAN 5GHz 802.11ax (HE20/HE40/HE80)
HW Version	V1.0
SW Version	3FE49334
EUT Stage	Identical Prototype

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. This is a variant report for Beacon 2. The change note could be referred to the Beacon 2_Class II Permissive Change letter which is exhibit separately. Based on the similarity between current and previous project, only the conducted Power and worse case of RSE are spot check from original report, all the other test cases are quoted on original report FR093003B.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna	<MIMO Ant.1+2> <5180 MHz ~ 5240 MHz> 802.11a : 26.77 dBm / 0.4753 W 802.11n HT20 : 25.56 dBm / 0.3597 W 802.11n HT40 : 26.33 dBm / 0.4295 W 802.11ac VHT20 : 25.47 dBm / 0.3524 W 802.11ac VHT40 : 26.16 dBm / 0.4130 W 802.11ac VHT80 : 16.05 dBm / 0.0403 W 802.11ax HE20 : 25.61 dBm / 0.3639 W 802.11ax HE40 : 24.61 dBm / 0.2891 W 802.11ax HE80 : 17.35 dBm / 0.0543 W <5260 MHz ~ 5320 MHz> 802.11a : 20.15 dBm / 0.1035 W 802.11n HT20 : 20.12 dBm / 0.1028 W 802.11n HT40 : 23.42 dBm / 0.2198 W 802.11ac VHT20 : 19.96 dBm / 0.0991 W 802.11ac VHT40 : 23.17 dBm / 0.2075 W 802.11ac VHT80 : 17.64 dBm / 0.0581 W 802.11ax HE20 : 20.57 dBm / 0.1140 W 802.11ax HE40 : 22.70 dBm / 0.1862 W 802.11ax HE80 : 16.71 dBm / 0.0469 W <5500 MHz ~ 5720 MHz > 802.11a : 21.13 dBm / 0.1297 W 802.11n HT20 : 20.30 dBm / 0.1072 W 802.11n HT40 : 22.77 dBm / 0.1892 W 802.11ac VHT20 : 20.14 dBm / 0.1033 W 802.11ac VHT40 : 22.62 dBm / 0.1828 W 802.11ac VHT80 : 23.88 dBm / 0.2443 W 802.11ax HE20 : 21.08 dBm / 0.1282 W 802.11ax HE40 : 23.01 dBm / 0.2000 W 802.11ax HE80 : 23.97 dBm / 0.2495 W
Maximum Output Power to Antenna (Spot Check)	<MIMO Ant.1+2> <5180 MHz ~ 5240 MHz> 802.11a : 26.68 dBm / 0.4645 W 802.11n HT20 : 25.30 dBm / 0.3388 W 802.11n HT40 : 25.25 dBm / 0.3350 W 802.11ac VHT20 : 25.25 dBm / 0.3350 W 802.11ac VHT40 : 25.09 dBm / 0.3228 W 802.11ac VHT80 : 15.74 dBm / 0.0375 W 802.11ax HE20 : 25.13 dBm / 0.3258 W 802.11ax HE40 : 24.47 dBm / 0.2799 W 802.11ax HE80 : 17.15 dBm / 0.0519 W <5260 MHz ~ 5320 MHz> 802.11a : 20.09 dBm / 0.1021 W 802.11n HT20 : 19.85 dBm / 0.0966 W 802.11n HT40 : 22.92 dBm / 0.1959 W 802.11ac VHT20 : 19.81 dBm / 0.957 W 802.11ac VHT40 : 22.73 dBm / 0.1875 W



	802.11ac VHT80 : 17.21 dBm / 0.0526 W 802.11ax HE20 : 19.77 dBm / 0.0948 W 802.11ax HE40 : 22.22 dBm / 0.1667 W 802.11ax HE80 : 16.39 dBm / 0.0436 W <5500 MHz ~ 5720 MHz > 802.11a : 20.64 dBm / 0.1159 W 802.11n HT20 : 20.05 dBm / 0.1012 W 802.11n HT40 : 22.55 dBm / 0.1799 W 802.11ac VHT20 : 19.96 dBm / 0.0991 W 802.11ac VHT40 : 22.45 dBm / 0.1758 W 802.11ac VHT80 : 23.57 dBm / 0.2275 W 802.11ax HE20 : 19.93 dBm / 0.0984 W 802.11ax HE40 : 22.33 dBm / 0.1710 W 802.11ax HE80 : 23.64 dBm / 0.2312 W
99% Occupied Bandwidth	<MIMO Ant.1+2> <5180 MHz ~ 5240 MHz> 802.11a : 17.13 MHz 802.11n HT20 : 18.13 MHz 802.11n HT40 : 36.16 MHz 802.11ac VHT80 : 75.04 MHz 802.11ax HE20 : 19.58 MHz 802.11ax HE40 : 37.76 MHz 802.11ax HE80 : 76.72 MHz <5260 MHz ~ 5320 MHz> 802.11a : 17.08 MHz 802.11n HT20 : 17.98 MHz 802.11n HT40 : 35.96 MHz 802.11ac VHT80 : 74.93 MHz 802.11ax HE20 : 19.98 MHz 802.11ax HE40 : 37.66 MHz 802.11ax HE80 : 76.72 MHz <5500 MHz ~ 5720 MHz > 802.11a : 17.13 MHz 802.11n HT20 : 17.98 MHz 802.11n HT40 : 36.06 MHz 802.11ac VHT80 : 74.93 MHz 802.11ax HE20 : 20.03 MHz 802.11ax HE40 : 37.76 MHz 802.11ax HE80 : 76.72 MHz
Antenna Type / Gain	Sample 1: <5150 MHz ~ 5250 MHz> <Ant. 1> : Dipole antenna with gain 2.50 dBi <Ant. 2> : Dipole antenna with gain 2.50 dBi <5250 MHz ~ 5350 MHz> <Ant. 1> : Dipole antenna with gain 2.00 dBi <Ant. 2> : Dipole antenna with gain 2.60 dBi <5470 MHz ~ 5725 MHz> <Ant. 1> : Dipole antenna with gain 2.90 dBi <Ant. 2> : Dipole antenna with gain 2.90 dBi Sample 2: <5150 MHz ~ 5250 MHz> <Ant. 1> : Dipole antenna with gain 2.471 dBi <Ant. 2> : Dipole antenna with gain 2.471 dBi <5250 MHz ~ 5350 MHz>

	<Ant. 1> : Dipole antenna with gain 2.326 dBi <Ant. 2> : Dipole antenna with gain 2.326 dBi <5470 MHz ~ 5725 MHz> <Ant. 1> : Dipole antenna with gain 2.476 dBi <Ant. 2> : Dipole antenna with gain 2.476 dBi		
Type of Modulation	802.11a/n/ac/ax: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)		
Antenna Function Description		Ant. 1	Ant. 2
	802.11 a/n/ac/ax SISO	V	V
	802.11 a/n/ac/ax MIMO	V	
	802.11 n/ac/ax Beamforming	V	

Note:

1. For 802.11n HT20 / ac VHT20 and 802.11n HT40 / ac VHT40 mode, the whole testing have assessed only 802.11n HT20/ HT40 by referring to their maximum conducted power.
2. For WLAN SISO & MIMO mode, the whole testing has assessed only MIMO mode by referring to their higher conducted power.
3. The Tx Power/EIRP of EUT will less than or equal to non-beamforming power/EIRP when Beamforming mode is active. So we only evaluate non-beamforming 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 Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	CO01-KS 03CH05-KS 03CH06-KS TH01-KS	CN1257	314309



1.7 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH05-KS	AUDIX	E3	6.2009-8-24al
2.	03CH06-KS	AUDIX	E3	6.2009-8-24al
3.	CO01-KS	AUDIX	E3	6.2009-8-24

1.8 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (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)
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, 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel in "[#]" were 802.11ac VHT80 and 802.11ax HE80.

2.2 Test Mode

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

MIMO Mode

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN Link(5G) + WAN Link + LAN Link + Adaptor
Remark: For Radiated Test Cases, The tests were performance with Adapter 1.	



For Spot Check

MIMO Mode

Modulation	Data Rate
802.11ac VHT80	MCS0
802.11ax HE20	MCS0
802.11ax HE80	MCS0

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

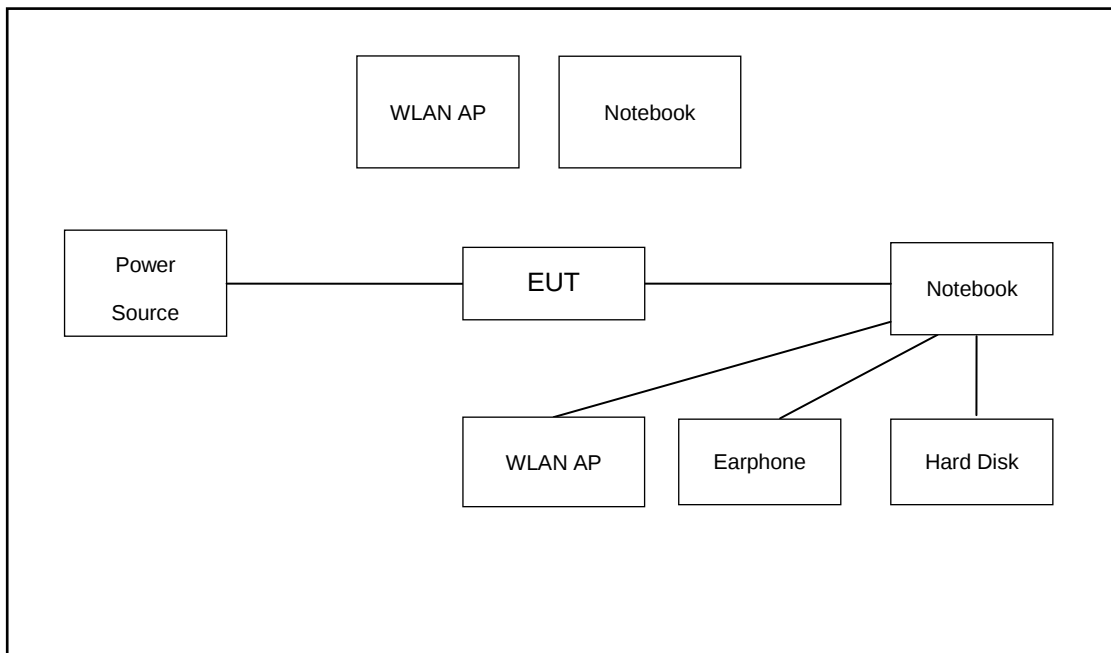
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

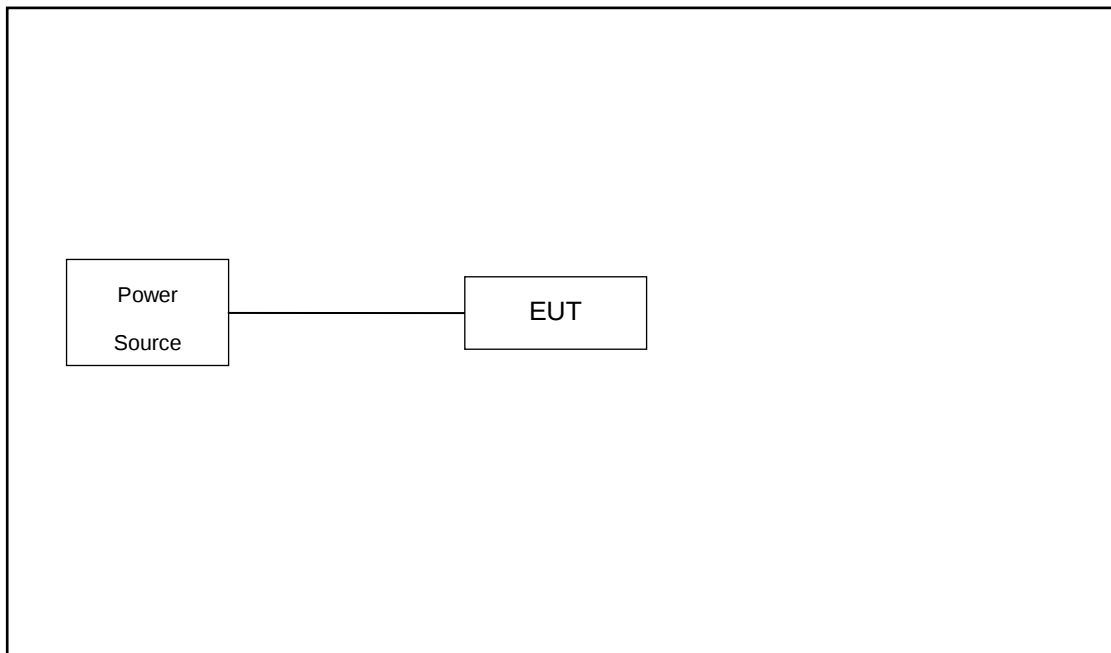
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

2.3 Connection Diagram of Test System

For Conducted Emission:



For Radiated Emission:



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded, 1.8m
2.	Notebook	Lenovo	V130-15IKB005	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
3.	Hard Disk	Lenovo	F310	DoC	Shielded, 1.2m	N/A
4.	Earphone	Lenovo	P121	N/A	N/A	Unshielded, 1.2m

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 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.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 6.9 dB.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)}. \\ &= 6.9 \text{ (dB)}\end{aligned}$$

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.

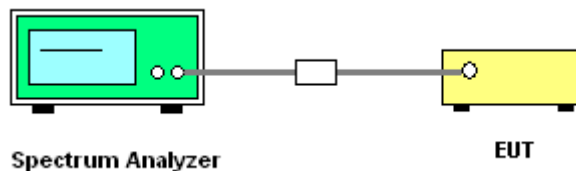
3.1.2 Measuring Instruments

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.

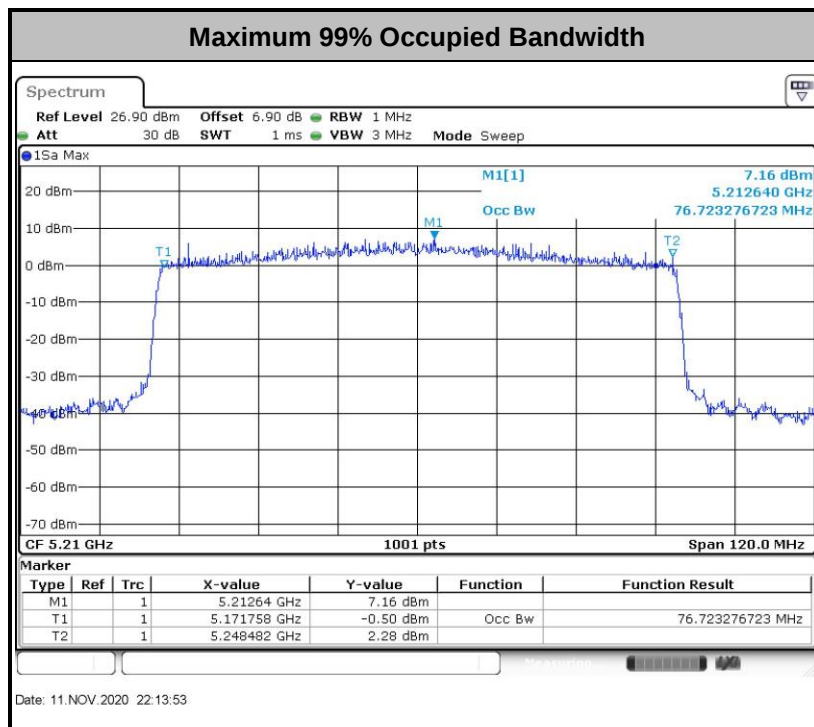
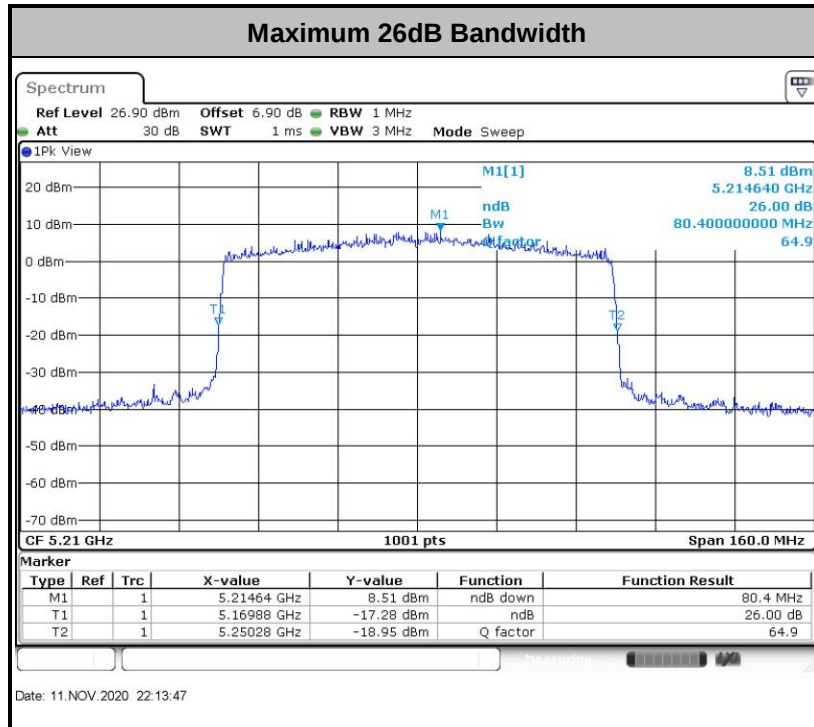
3.1.4 Test Setup





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 an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

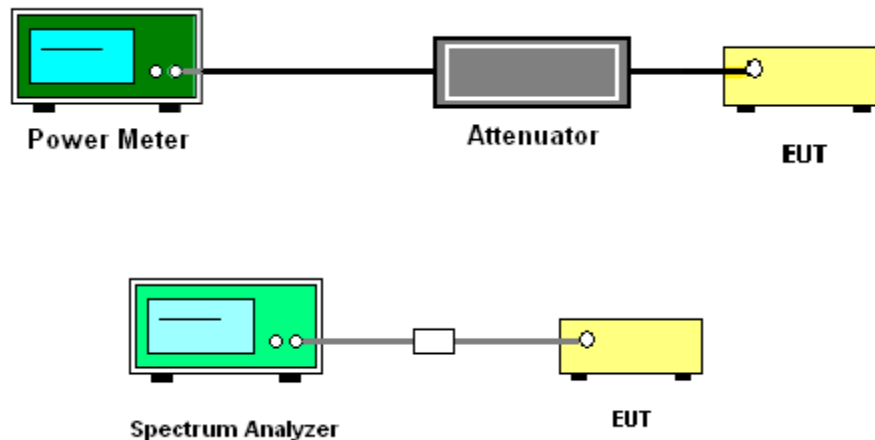
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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.



3.2.6 Spot Check Test Result of Maximum Conducted Output Power

U-NII-1																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	/	0.18	0.18	18.95	19.40	22.19	30.00	2.50			Pass	
11a	6Mbps	2	44	5220		0.18	0.18	23.04	23.52	26.29	30.00	2.50			Pass	
11a	6Mbps	2	48	5240		0.18	0.18	23.48	23.86	26.68	30.00	2.50			Pass	
HT20	MCS0	2	36	5180		0.19	0.19	19.72	19.92	22.83	30.00	2.50			Pass	
HT20	MCS0	2	44	5220		0.19	0.19	21.75	22.28	25.03	30.00	2.50			Pass	
HT20	MCS0	2	48	5240		0.19	0.19	22.07	22.49	25.30	30.00	2.50			Pass	
HT40	MCS0	2	38	5190		0.40	0.40	17.51	17.64	20.58	30.00	2.50			Pass	
HT40	MCS0	2	46	5230		0.40	0.40	22.16	22.33	25.25	30.00	2.50			Pass	
VHT20	MCS0	2	36	5180		0.19	0.21	19.68	19.82	22.76	30.00	2.50			Pass	
VHT20	MCS0	2	44	5220		0.19	0.21	21.68	22.26	24.99	30.00	2.50			Pass	
VHT20	MCS0	2	48	5240		0.19	0.21	21.98	22.49	25.25	30.00	2.50			Pass	
VHT40	MCS0	2	38	5190		0.36	0.36	17.40	17.51	20.46	30.00	2.50			Pass	
VHT40	MCS0	2	46	5230		0.36	0.36	21.99	22.17	25.09	30.00	2.50			Pass	
VHT80	MCS0	2	42	5210		0.73	0.73	12.72	12.73	15.74	30.00	2.50			Pass	
AX20	MCS0	2	36	5180	full	0.23	0.23	18.80	18.97	21.90	30.00	2.50			Pass	
AX20	MCS0	2	44	5220	full	0.23	0.23	21.93	21.95	24.95	30.00	2.50			Pass	
AX20	MCS0	2	48	5240	full	0.23	0.23	21.98	22.25	25.13	30.00	2.50			Pass	
AX40	MCS0	2	38	5190	full	0.42	0.43	16.57	16.94	19.77	30.00	2.50			Pass	
AX40	MCS0	2	46	5230	full	0.42	0.43	21.27	21.64	24.47	30.00	2.50			Pass	
AX80	MCS0	2	42	5210	full	0.80	0.79	14.20	14.08	17.15	30.00	2.50			Pass	

**U-NII-2A**

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU CONFIG	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	/	0.18	0.18	16.58	17.53	20.09	23.98		2.60		30	Pass
11a	6Mbps	2	60	5300		0.18	0.18	15.98	16.44	19.22	23.98		2.60		30	Pass
11a	6Mbps	2	64	5320		0.18	0.18	16.18	16.70	19.45	23.98		2.60		30	Pass
HT20	MCS0	2	52	5260		0.19	0.19	15.85	16.64	19.27	23.98		2.60		30	Pass
HT20	MCS0	2	60	5300		0.19	0.19	16.69	16.99	19.85	23.98		2.60		30	Pass
HT20	MCS0	2	64	5320		0.19	0.19	16.56	16.93	19.76	23.98		2.60		30	Pass
HT40	MCS0	2	54	5270		0.40	0.40	19.50	20.29	22.92	23.98		2.60		30	Pass
HT40	MCS0	2	62	5310		0.40	0.40	16.90	17.36	20.14	23.98		2.60		30	Pass
VHT20	MCS0	2	52	5260		0.19	0.21	15.73	16.52	19.15	23.98		2.60		30	Pass
VHT20	MCS0	2	60	5300		0.19	0.21	16.63	16.96	19.81	23.98		2.60		30	Pass
VHT20	MCS0	2	64	5320		0.19	0.21	16.48	16.89	19.70	23.98		2.60		30	Pass
VHT40	MCS0	2	54	5270		0.36	0.36	19.38	20.04	22.73	23.98		2.60		30	Pass
VHT40	MCS0	2	62	5310		0.36	0.36	16.79	17.13	19.97	23.98		2.60		30	Pass
VHT80	MCS0	2	58	5290		0.73	0.73	14.27	14.12	17.21	23.98		2.60		30	Pass
AX20	MCS0	2	52	5260	full	0.23	0.23	15.53	16.61	19.12	23.98		2.60		30	Pass
AX20	MCS0	2	60	5300	full	0.23	0.23	16.53	16.98	19.77	23.98		2.60		30	Pass
AX20	MCS0	2	64	5320	full	0.23	0.23	16.23	16.68	19.47	23.98		2.60		30	Pass
AX40	MCS0	2	54	5270	full	0.42	0.43	18.64	19.71	22.22	23.98		2.60		30	Pass
AX40	MCS0	2	62	5310	full	0.42	0.43	16.61	17.11	19.88	23.98		2.60		30	Pass
AX80	MCS0	2	58	5290	full	0.80	0.79	12.94	13.78	16.39	23.98		2.60		30	Pass



U-NII-2C

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU CONFIG	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	/	0.18	0.18	16.57	16.66	19.62	23.98		2.90		30	Pass
11a	6Mbps	2	116	5580		0.18	0.18	16.62	16.94	19.79	23.98		2.90		30	Pass
11a	6Mbps	2	140	5700		0.18	0.18	16.98	17.08	20.04	23.98		2.90		30	Pass
11a	chain0	2	144	5720		0.18	0.18	17.27	17.96	20.64	23.98		2.90		30	Pass
HT20	MCS0	2	100	5500		0.19	0.19	16.89	17.18	20.05	23.98		2.90		30	Pass
HT20	MCS0	2	116	5580		0.19	0.19	16.71	16.97	19.85	23.98		2.90		30	Pass
HT20	MCS0	2	140	5700		0.19	0.19	16.99	17.06	20.04	23.98		2.90		30	Pass
HT20	MCS0	2	144	5720		0.19	0.19	16.79	16.89	19.85	23.98		2.90		30	Pass
HT40	MCS0	2	102	5510		0.40	0.40	16.37	16.51	19.45	23.98		2.90		30	Pass
HT40	MCS0	2	110	5550		0.40	0.40	19.07	19.62	22.36	23.98		2.90		30	Pass
HT40	MCS0	2	134	5670		0.40	0.40	19.56	19.52	22.55	23.98		2.90		30	Pass
HT40	MCS0	2	142	5670		0.40	0.40	19.28	18.74	21.78	23.98		2.90		30	Pass
VHT20	MCS0	2	100	5500		0.19	0.21	16.77	17.10	19.95	23.98		2.90		30	Pass
VHT20	MCS0	2	116	5580		0.19	0.21	16.68	16.93	19.82	23.98		2.90		30	Pass
VHT20	MCS0	2	140	5700		0.19	0.21	16.90	17.01	19.96	23.98		2.90		30	Pass
VHT20	MCS0	2	144	5720		0.19	0.21	16.75	16.90	19.83	23.98		2.90		30	Pass
VHT40	MCS0	2	102	5510		0.36	0.36	16.28	16.40	19.35	23.98		2.90		30	Pass
VHT40	MCS0	2	110	5550		0.36	0.36	18.97	19.51	22.25	23.98		2.90		30	Pass
VHT40	MCS0	2	134	5670		0.36	0.36	19.46	19.43	22.45	23.98		2.90		30	Pass
VHT40	MCS0	2	142	5710		0.36	0.36	18.70	18.65	21.68	23.98		2.90		30	Pass
VHT80	MCS0	2	106	5530		0.73	0.73	14.14	14.10	17.13	23.98		2.90		30	Pass
VHT80	MCS0	2	122	5610		0.73	0.73	20.39	20.61	23.51	23.98		2.90		30	Pass
VHT80	MCS0	2	138	5610		0.73	0.73	20.63	20.49	23.57	23.98		2.90		30	Pass
AX20	MCS0	2	100	5500	full	0.23	0.23	16.90	16.93	19.93	23.98		2.90		30	Pass
AX20	MCS0	2	116	5580	full	0.23	0.23	16.65	16.93	19.80	23.98		2.90		30	Pass
AX20	MCS0	2	140	5700	full	0.23	0.23	16.77	15.91	19.37	23.98		2.90		30	Pass
AX20	MCS0	2	144	5720	full	0.23	0.23	16.78	16.42	19.62	23.98		2.90		30	Pass
AX40	MCS0	2	102	5510	full	0.42	0.43	14.84	14.94	17.90	23.98		2.90		30	Pass
AX40	MCS0	2	110	5550	full	0.42	0.43	19.06	19.57	22.33	23.98		2.90		30	Pass
AX40	MCS0	2	134	5670	full	0.42	0.43	17.63	17.66	20.66	23.98		2.90		30	Pass
AX40	MCS0	2	142	5710	full	0.42	0.43	18.78	18.74	21.77	23.98		2.90		30	Pass
AX80	MCS0	2	106	5530	full	0.80	0.79	12.77	12.70	15.75	23.98		2.90		30	Pass
AX80	MCS0	2	122	5610	full	0.80	0.79	20.08	20.16	23.13	23.98		2.90		30	Pass
AX80	MCS0	2	138	5690	full	0.80	0.79	20.72	20.53	23.64	23.98		2.90		30	Pass



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

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

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

Method SA-2

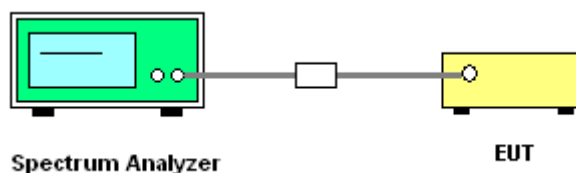
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
 3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

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

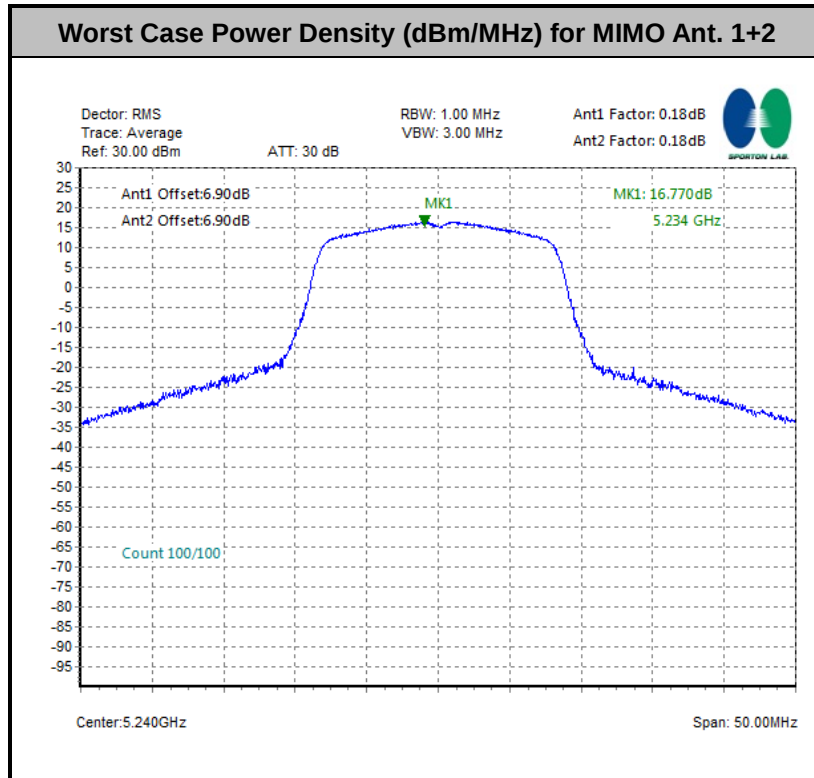
3.3.4 Test Setup





3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

$$\text{EIRP} = E_{\text{Meas}} + 20\log(d_{\text{Meas}}) - 104.8$$

where

EIRP is the equivalent isotropically radiated power, in dBm

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

d_{Meas} is the measurement distance, in m

3.4.2 Measuring Instruments

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

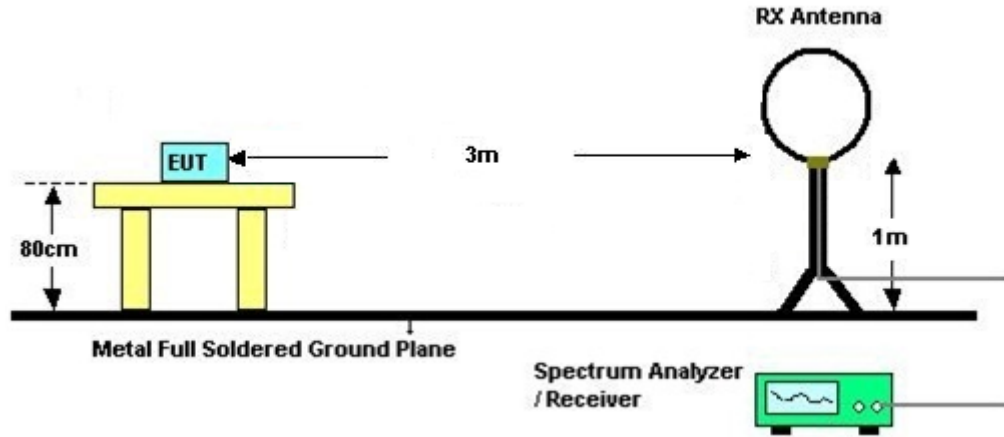


3.4.3 Test Procedures

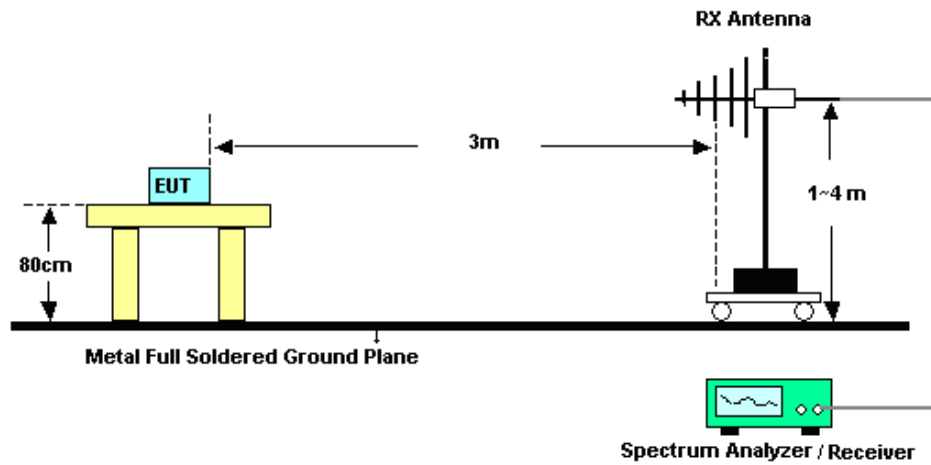
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak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

3.4.4 Test Setup

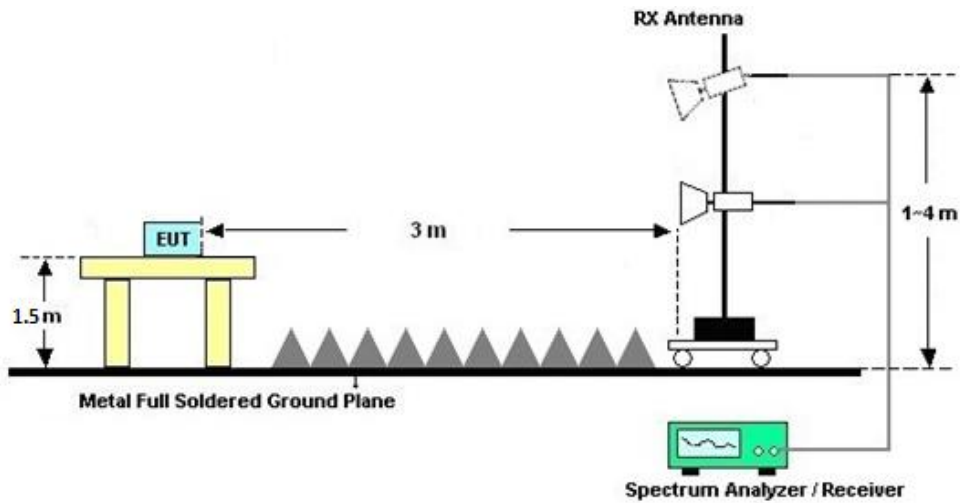
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

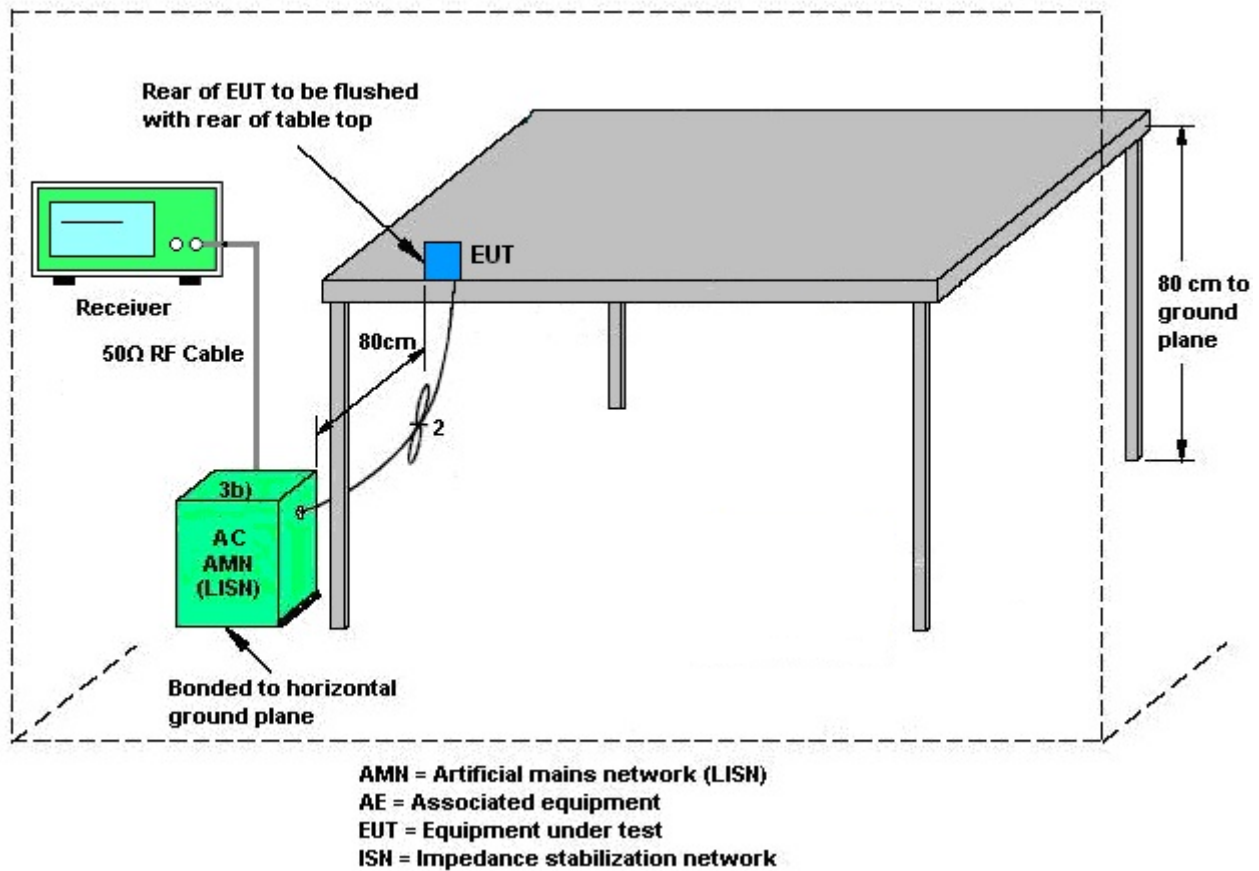
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

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

3.6.3 Test Result of Automatically Discontinue Transmission

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

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>						
	Ant. 1	Ant. 2	DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	2.50	2.50	2.50	5.51	0.00	0.00
Band II	2.00	2.60	2.60	5.32	0.00	0.00
Band III	2.90	2.90	2.90	5.91	0.00	0.00

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

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

TXBF modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$ if the k th antenna is being fed by spatial stream j , or zero if it is not;
 G_k is the gain in dBi of the k th antenna.

The EUT supports beamforming for 802.11a/n/ac/ax modes.

The directional gain calculation is following F)2)e)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.

			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant 1 (dBi)	Ant 2 (dBi)				
Band I	2.50	2.50	5.51	5.51	0.00	0.00
Band II	2.00	2.60	5.32	5.32	0.00	0.00
Band III	2.90	2.90	5.91	5.91	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	FSV30	101338	10Hz~30GHz	Apr. 14, 2020	Nov. 11, 2020	Apr. 13, 2021	Conducted (TH01-KS)
Pulse Power Sensor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 15, 2020	Nov. 11, 2020	Jan. 14, 2021	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 08, 2020	Nov. 11, 2020	Jan. 07, 2021	Conducted (TH01-KS)
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz; Max 30dBm	Oct. 17, 2020	Nov. 12, 2020	Oct. 16, 2021	Radiation (03CH05-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz~44GHz, MAX 30dB	Apr. 15, 2020	Nov. 12, 2020	Apr. 14, 2021	Radiation (03CH05-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Nov. 09, 2020	Nov. 09, 2020	Nov. 08, 2021	Radiation (03CH05-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz~1GHz	May 30, 2020	Nov. 09, 2020	May 29, 2021	Radiation (03CH05-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00218652	1GHz~18GHz	Apr. 26, 2020	Nov. 09, 2020	Apr. 25, 2021	Radiation (03CH05-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Nov. 10, 2019	Nov. 09, 2020	Nov. 09, 2020	Radiation (03CH05-KS)
Amplifier	SONOMA	310N	187289	9KHz~1GHz	Apr. 14, 2020	Nov. 09, 2020	Apr. 13, 2021	Radiation (03CH05-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 08, 2020	Nov. 09, 2020	Jan. 07, 2021	Radiation (03CH05-KS)
high gain Amplifier	MITEQ	AMF-7D-0010 1800-30-10P	2012228	1Ghz~18Ghz	Oct. 17, 2020	Nov. 09, 2020	Oct. 16, 2021	Radiation (03CH05-KS)
Amplifier	Keysight	83017A	MY53270316	500MHz~26.5GHz	Oct. 17, 2020	Nov. 09, 2020	Oct. 16, 2021	Radiation (03CH05-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Nov. 09, 2020	NCR	Radiation (03CH05-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Nov. 09, 2020	NCR	Radiation (03CH05-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Nov. 09, 2020	NCR	Radiation (03CH05-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 14, 2020	Oct. 22, 2020	Apr. 13, 2021	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 17, 2020	Oct. 22, 2020	Oct. 16, 2021	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	Oct. 28, 2019	Oct. 22, 2020	Oct. 27, 2020	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 17, 2020	Oct. 22, 2020	Oct. 16, 2021	Conduction (CO01-KS)

NCR: No Calibration Required



For Spot Check

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 14, 2021	Feb. 24, 2022	Oct. 13, 2022	Conducted (TH01-KS)
Pulse Power Sensor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 05, 2022	Feb. 24, 2022	Jan. 04, 2023	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 05, 2022	Feb. 24, 2022	Jan. 04, 2023	Conducted (TH01-KS)
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz; Max 30dBm	Oct. 16, 2021	Feb. 24, 2022	Oct. 15, 2022	Radiation (03CH06-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150208	10Hz~44GHz	Apr. 12, 2021	Feb. 24, 2022	Apr. 11, 2022	Radiation (03CH06-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 30, 2021	Feb. 24, 2022	Oct. 29, 2022	Radiation (03CH06-KS)
Bilog Antenna	TeseQ	CBL6111D	49921	30MHz~1GHz	May 27, 2021	Feb. 24, 2022	May 26, 2022	Radiation (03CH06-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00218652	1GHz~18GHz	Apr. 25, 2021	Feb. 24, 2022	Apr. 24, 2022	Radiation (03CH06-KS)
SHF-EHF Horn	Com-power	AH-840	101093	18GHz~40GHz	Jan. 05, 2022	Feb. 24, 2022	Jan. 04, 2023	Radiation (03CH06-KS)
Amplifier	SONOMA	310N	187289	9KHz ~1GHZ	Apr. 12, 2021	Feb. 24, 2022	Apr. 11, 2022	Radiation (03CH06-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 05, 2022	Feb. 24, 2022	Jan. 04, 2023	Radiation (03CH06-KS)
high gain Amplifier	MITEQ	AMF-7D-00101800-30-10P	2025788	1Ghz-18Ghz	Jul. 30, 2021	Feb. 24, 2022	Jul. 29, 2022	Radiation (03CH06-KS)
Amplifier	Keysight	83017A	MY53270203	500MHz~26.5GHz	Apr. 13, 2021	Feb. 24, 2022	Apr. 12, 2022	Radiation (03CH06-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Feb. 24, 2022	NCR	Radiation (03CH06-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Feb. 24, 2022	NCR	Radiation (03CH06-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Feb. 24, 2022	NCR	Radiation (03CH06-KS)

NCR: No Calibration Required



5 Uncertainty of Evaluation

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.94dB
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03CH05-KS:

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% ($U = 2Uc(y)$)	5.0dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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For Spot Check

03CH06-KS:

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% ($U = 2Uc(y)$)	5.0dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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----- THE END -----



Appendix A. Conducted Test Results

Test Engineer:	Weller Liu	Temperature:	21~25	°C
Test Date:	2020/11/11	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I												
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	36	5180	17.08	17.08	20.88	20.78	-	-	22.33	
11a	6Mbps	2	44	5220	17.08	17.13	20.63	20.68	-	-	22.33	
11a	6Mbps	2	48	5240	17.08	17.03	20.48	20.83	-	-	22.31	
HT20	MCS0	2	36	5180	17.88	17.83	20.93	21.08	-	-	22.51	
HT20	MCS0	2	44	5220	18.03	17.98	21.13	21.13	-	-	22.55	
HT20	MCS0	2	48	5240	18.08	18.13	21.03	21.13	-	-	22.57	
HT40	MCS0	2	38	5190	35.96	35.96	40.73	41.09	-	-	23.01	
HT40	MCS0	2	46	5230	36.16	36.16	41.09	41.36	-	-	23.01	
VHT80	MCS0	2	42	5210	75.04	75.04	79.60	79.60	-	-	23.01	
AX20	MCS0	2	42	5210	19.38	19.33	22.78	22.63	-	-	22.86	
AX20	MCS0	2	42	5210	19.58	19.48	23.68	24.78	-	-	22.90	
AX20	MCS0	2	42	5210	19.13	19.18	21.23	21.13	-	-	22.82	
AX40	MCS0	2	42	5210	37.56	37.56	40.28	40.46	-	-	23.01	
AX40	MCS0	2	42	5210	37.76	37.66	40.28	40.37	-	-	23.01	
AX80	MCS0	2	42	5210	76.72	76.72	80.40	80.24	-	-	23.01	

TEST RESULTS DATA
Average Power Table

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	/	0.18	0.18	19.20	18.95	22.08	30.00		2.50		Pass
11a	6Mbps	2	44	5220		0.18	0.18	23.58	23.06	26.33	30.00		2.50		Pass
11a	6Mbps	2	48	5240		0.18	0.18	23.96	23.56	26.77	30.00		2.50		Pass
HT20	MCS0	2	36	5180		0.19	0.19	20.54	20.10	23.33	30.00		2.50		Pass
HT20	MCS0	2	44	5220		0.19	0.19	22.59	22.12	25.37	30.00		2.50		Pass
HT20	MCS0	2	48	5240		0.19	0.19	22.87	22.21	25.56	30.00		2.50		Pass
HT40	MCS0	2	38	5190		0.37	0.37	18.28	17.71	21.02	30.00		2.50		Pass
HT40	MCS0	2	46	5230		0.37	0.37	23.59	23.02	26.33	30.00		2.50		Pass
VHT20	MCS0	2	36	5180		0.19	0.19	20.41	20.06	23.25	30.00		2.50		Pass
VHT20	MCS0	2	44	5220		0.19	0.19	22.50	22.08	25.30	30.00		2.50		Pass
VHT20	MCS0	2	48	5240		0.19	0.19	22.80	22.10	25.47	30.00		2.50		Pass
VHT40	MCS0	2	38	5190		0.37	0.37	18.25	17.58	20.94	30.00		2.50		Pass
VHT40	MCS0	2	46	5230		0.37	0.37	23.39	22.90	26.16	30.00		2.50		Pass
VHT80	MCS0	2	42	5210		0.71	0.71	13.49	12.53	16.05	30.00		2.50		Pass
AX20	MCS0	2	36	5180	full	0.24	0.24	21.14	20.59	23.88	30.00		2.50		Pass
AX20	MCS0	2	36	5180	26	0.17	0.17	13.92	13.40	16.68	30.00		2.50		Pass
AX20	MCS0	2	36	5180	52	0.27	0.27	16.58	16.16	19.21	30.00		2.50		Pass
AX20	MCS0	2	36	5180	106	0.39	0.38	18.11	18.03	21.08	30.00		2.50		Pass
AX20	MCS0	2	44	5220	full	0.24	0.24	22.69	22.37	25.54	30.00		2.50		Pass
AX20	MCS0	2	48	5240	full	0.24	0.24	22.73	22.47	25.61	30.00		2.50		Pass
AX20	MCS0	2	48	5240	26	0.17	0.17	16.53	15.75	19.17	30.00		2.50		Pass
AX20	MCS0	2	48	5240	52	0.27	0.27	19.09	18.92	21.93	30.00		2.50		Pass
AX20	MCS0	2	48	5240	106	0.39	0.38	20.82	20.42	23.63	30.00		2.50		Pass
AX40	MCS0	2	38	5190	full	0.46	0.46	17.94	17.38	20.68	30.00		2.50		Pass
AX40	MCS0	2	38	5190	242	0.53	0.53	15.48	15.18	18.35	30.00		2.50		Pass
AX40	MCS0	2	46	5230	full	0.46	0.46	21.91	21.27	24.61	30.00		2.50		Pass
AX40	MCS0	2	46	5230	242	0.53	0.53	19.32	18.75	22.06	30.00		2.50		Pass
AX80	MCS0	2	42	5210	full	0.78	0.77	14.68	13.98	17.35	30.00		2.50		Pass
AX80	MCS0	2	42	5210	484	0.55	0.58	9.68	9.30	12.30	30.00		2.50		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I													
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	/	0.18	0.18	12.88	17.00		5.51		Pass
11a	6Mbps	2	44	5220		0.18	0.18	16.58	17.00		5.51		Pass
11a	6Mbps	2	48	5240		0.18	0.18	16.77	17.00		5.51		Pass
HT20	MCS0	2	36	5180		0.19	0.19	14.53	17.00		5.51		Pass
HT20	MCS0	2	44	5220		0.19	0.19	16.29	17.00		5.51		Pass
HT20	MCS0	2	48	5240		0.19	0.19	16.36	17.00		5.51		Pass
HT40	MCS0	2	38	5190		0.37	0.37	8.66	17.00		5.51		Pass
HT40	MCS0	2	46	5230		0.37	0.37	14.18	17.00		5.51		Pass
VHT80	MCS0	2	42	5210		0.71	0.71	1.46	17.00		5.51		Pass
AX20	MCS0	2	36	5180	full	0.24	0.24	14.24	17.00		5.51		Pass
AX20	chain0	2	36	5180	26	0.17	0.17	13.48	17.00		5.51		Pass
AX20	MCS0	2	36	5180	52	0.27	0.27	13.86	17.00		5.51		Pass
AX20	MCS0	2	36	5180	106	0.39	0.38	13.62	17.00		5.51		Pass
AX20	MCS0	2	44	5220	full	0.24	0.24	16.28	17.00		5.51		Pass
AX20	MCS0	2	48	5240	full	0.24	0.24	16.23	17.00		5.51		Pass
AX20	chain0	2	48	5240	26	0.17	0.17	16.07	17.00		5.51		Pass
AX20	MCS0	2	48	5240	52	0.27	0.27	16.22	17.00		5.51		Pass
AX20	MCS0	2	48	5240	106	0.39	0.38	16.14	17.00		5.51		Pass
AX40	MCS0	2	38	5190	full	0.46	0.46	7.89	17.00		5.51		Pass
AX40	MCS0	2	38	5190	242	0.53	0.53	7.78	17.00		5.51		Pass
AX40	MCS0	2	46	5230	full	0.46	0.46	12.08	17.00		5.51		Pass
AX40	MCS0	2	46	5230	242	0.53	0.53	11.52	17.00		5.51		Pass
AX80	MCS0	2	42	5210	full	0.78	0.77	-0.24	17.00		5.51		Pass
AX80	MCS0	2	42	5210	484	0.55	0.58	-0.71	17.00		5.51		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)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	52	5260	17.03	17.08	20.68	20.58	23.31		29.31		23.98	
11a	6Mbps	2	60	5300	16.98	17.03	20.53	20.48	23.30		29.30		23.98	
11a	6Mbps	2	64	5320	16.98	16.98	20.53	20.43	23.30		29.30		23.98	
HT20	MCS0	2	52	5260	17.93	17.93	21.08	21.08	23.54		29.54		23.98	
HT20	MCS0	2	60	5300	17.93	17.98	21.13	21.13	23.54		29.54		23.98	
HT20	MCS0	2	64	5320	17.98	17.98	21.18	21.03	23.55		29.55		23.98	
HT40	MCS0	2	54	5270	35.96	35.96	41.00	40.64	23.98		30.00		23.98	
HT40	MCS0	2	62	5310	35.96	35.86	41.09	40.91	23.98		30.00		23.98	
VHT80	MCS0	2	58	5290	74.93	74.81	79.60	79.44	23.98		30.00		23.98	
AX20	MCS0	2	52	5260	19.53	19.43	24.63	23.03	23.88		29.88		23.98	
AX20	MCS0	2	60	5300	19.83	19.88	24.23	23.73	23.97		29.97		23.98	
AX20	MCS0	2	64	5320	19.98	19.78	25.18	23.68	23.96		29.96		23.98	
AX40	MCS0	2	54	5270	37.66	37.66	40.37	40.28	23.98		30.00		23.98	
AX40	MCS0	2	62	5310	37.66	37.56	40.19	40.28	23.98		30.00		23.98	
AX80	MCS0	2	58	5290	76.72	76.48	80.24	80.24	23.98		30.00		23.98	

TEST RESULTS DATA
Average Power Table

FCC Band II																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU CONFIG	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	/	0.18	0.18	17.31	16.96	20.15	23.98		2.60		30	Pass
11a	6Mbps	2	60	5300		0.18	0.18	16.90	16.43	19.68	23.98		2.60		30	Pass
11a	6Mbps	2	64	5320		0.18	0.18	16.97	16.28	19.65	23.98		2.60		30	Pass
HT20	MCS0	2	52	5260		0.19	0.19	16.74	16.41	19.59	23.98		2.60		30	Pass
HT20	MCS0	2	60	5300		0.19	0.19	17.24	16.84	20.05	23.98		2.60		30	Pass
HT20	MCS0	2	64	5320		0.19	0.19	17.37	16.84	20.12	23.98		2.60		30	Pass
HT40	MCS0	2	54	5270		0.37	0.37	20.57	20.25	23.42	23.98		2.60		30	Pass
HT40	MCS0	2	62	5310		0.37	0.37	17.93	17.22	20.60	23.98		2.60		30	Pass
VHT20	MCS0	2	52	5260		0.19	0.19	16.64	16.31	19.49	23.98		2.60		30	Pass
VHT20	MCS0	2	60	5300		0.19	0.19	17.14	16.64	19.90	23.98		2.60		30	Pass
VHT20	MCS0	2	64	5320		0.19	0.19	17.25	16.63	19.96	23.98		2.60		30	Pass
VHT40	MCS0	2	54	5270		0.37	0.37	20.28	20.04	23.17	23.98		2.60		30	Pass
VHT40	MCS0	2	62	5310		0.37	0.37	17.72	17.05	20.41	23.98		2.60		30	Pass
VHT80	MCS0	2	58	5290		0.71	0.71	14.92	14.32	17.64	23.98		2.60		30	Pass
AX20	MCS0	2	52	5260	full	0.24	0.24	17.66	17.28	20.48	23.98		2.60		30	Pass
AX20	MCS0	2	52	5260	26	0.17	0.17	13.68	13.33	16.52	23.98		2.60		30	Pass
AX20	MCS0	2	52	5260	52	0.27	0.27	13.13	12.78	15.97	23.98		2.60		30	Pass
AX20	MCS0	2	52	5260	106	0.39	0.38	15.13	14.69	17.93	23.98		2.60		30	Pass
AX20	MCS0	2	60	5300	full	0.24	0.24	17.78	17.33	20.57	23.98		2.60		30	Pass
AX20	MCS0	2	64	5320	full	0.24	0.24	17.75	17.37	20.57	23.98		2.60		30	Pass
AX20	MCS0	2	64	5320	26	0.17	0.17	9.91	9.32	12.64	23.98		2.60		30	Pass
AX20	MCS0	2	64	5320	52	0.27	0.27	13.03	12.69	15.87	23.98		2.60		30	Pass
AX20	MCS0	2	64	5320	106	0.39	0.38	15.17	14.79	17.99	23.98		2.60		30	Pass
AX40	MCS0	2	54	5270	full	0.46	0.46	19.87	19.50	22.70	23.98		2.60		30	Pass
AX40	MCS0	2	54	5270	242	0.53	0.53	17.77	17.45	20.63	23.98		2.60		30	Pass
AX40	MCS0	2	62	5310	full	0.46	0.46	17.46	16.90	20.20	23.98		2.60		30	Pass
AX40	MCS0	2	62	5310	242	0.53	0.53	15.57	15.15	18.38	23.98		2.60		30	Pass
AX80	MCS0	2	58	5290	full	0.78	0.77	13.79	13.60	16.71	23.98		2.60		30	Pass
AX80	MCS0	2	58	5290	484	0.55	0.58	10.45	10.10	13.09	23.98		2.60		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band II													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	/	0.18	0.18	10.68	11.00		5.32		Pass
11a	6Mbps	2	60	5300		0.18	0.18	10.27	11.00		5.32		Pass
11a	6Mbps	2	64	5320		0.18	0.18	10.32	11.00		5.32		Pass
HT20	MCS0	2	52	5260		0.19	0.19	10.13	11.00		5.32		Pass
HT20	MCS0	2	60	5300		0.19	0.19	10.94	11.00		5.32		Pass
HT20	MCS0	2	64	5320		0.19	0.19	10.67	11.00		5.32		Pass
HT40	MCS0	2	54	5270		0.37	0.37	10.78	11.00		5.32		Pass
HT40	MCS0	2	62	5310		0.37	0.37	8.30	11.00		5.32		Pass
VHT80	MCS0	2	58	5290		0.71	0.71	0.00	11.00		5.32		Pass
AX20	MCS0	2	52	5260	full	0.24	0.24	10.75	11.00		5.32		Pass
AX20	MCS0	2	52	5260	26	0.17	0.17	10.43	11.00		5.32		Pass
AX20	MCS0	2	52	5260	52	0.27	0.27	10.31	11.00		5.32		Pass
AX20	MCS0	2	52	5260	106	0.39	0.38	10.52	11.00		5.32		Pass
AX20	MCS0	2	60	5300	full	0.24	0.24	10.81	11.00		5.32		Pass
AX20	MCS0	2	64	5320	full	0.24	0.24	10.90	11.00		5.32		Pass
AX20	MCS0	2	64	5320	26	0.17	0.17	9.51	11.00		5.32		Pass
AX20	MCS0	2	64	5320	52	0.27	0.27	10.16	11.00		5.32		Pass
AX20	MCS0	2	64	5320	106	0.39	0.38	10.59	11.00		5.32		Pass
AX40	MCS0	2	54	5270	full	0.46	0.46	10.43	11.00		5.32		Pass
AX40	MCS0	2	54	5270	242	0.53	0.53	9.90	11.00		5.32		Pass
AX40	MCS0	2	62	5310	full	0.46	0.46	8.07	11.00		5.32		Pass
AX40	MCS0	2	62	5310	242	0.53	0.53	7.72	11.00		5.32		Pass
AX80	MCS0	2	58	5290	full	0.78	0.77	0.22	11.00		5.32		Pass
AX80	MCS0	2	58	5290	484	0.55	0.58	-0.54	11.00		5.32		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)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	17.03	16.98	20.48	20.43	23.30		29.30		23.98	
11a	6Mbps	2	116	5580	17.08	17.03	20.63	20.53	23.31		29.31		23.98	
11a	6Mbps	2	140	5700	17.13	17.08	20.43	20.53	23.33		29.33		23.98	
11a	6Mbps	2	144	5720	16.98	17.03	20.63	20.68	23.30		29.30		23.98	
HT20	MCS0	2	100	5500	17.93	17.98	21.08	21.13	23.54		29.54		23.98	
HT20	MCS0	2	116	5580	17.98	17.88	21.13	21.03	23.52		29.52		23.98	
HT20	MCS0	2	140	5720	17.98	17.98	20.98	21.03	23.55		29.55		23.98	
HT20	MCS0	2	144	5700	17.98	17.93	21.13	21.08	23.54		29.54		23.98	
HT40	MCS0	2	102	5510	35.96	35.96	40.91	41.00	23.98		30.00		23.98	
HT40	MCS0	2	110	5550	35.96	35.86	40.82	41.00	23.98		30.00		23.98	
HT40	MCS0	2	134	5670	35.96	36.06	41.18	41.09	23.98		30.00		23.98	
HT40	MCS0	2	142	5710	36.06	35.96	40.91	41.00	23.98		30.00		23.98	
VHT80	MCS0	2	106	5530	74.69	74.81	79.60	79.76	23.98		30.00		23.98	
VHT80	MCS0	2	122	5610	74.81	74.93	79.76	79.44	23.98		30.00		23.98	
VHT80	MCS0	2	138	5690	74.81	74.81	79.92	79.76	23.98		30.00		23.98	
AX20	MCS0	2	100	5500	19.93	19.73	24.53	22.68	23.95		29.95		23.98	
AX20	MCS0	2	116	5580	19.83	20.03	24.73	24.23	23.97		29.97		23.98	
AX20	MCS0	2	140	5700	19.93	19.88	24.58	23.63	23.98		29.98		23.98	
AX20	MCS0	2	144	5720	19.93	19.78	24.63	23.28	23.96		29.96		23.98	
AX40	MCS0	2	102	5510	37.56	37.56	40.19	40.28	23.98		30.00		23.98	
AX40	MCS0	2	110	5550	37.56	37.66	40.28	40.28	23.98		30.00		23.98	
AX40	MCS0	2	134	5550	37.56	37.66	40.46	40.37	23.98		30.00		23.98	
AX40	MCS0	2	142	5710	37.66	37.76	40.37	40.37	23.98		30.00		23.98	
AX80	MCS0	2	106	5530	76.72	76.72	80.24	80.08	23.98		30.00		23.98	
AX80	MCS0	2	122	5610	76.72	76.60	80.24	80.40	23.98		30.00		23.98	
AX80	MCS0	2	138	5690	76.72	76.60	80.04	80.04	23.98		30.00		23.98	

TEST RESULTS DATA
Average Power Table

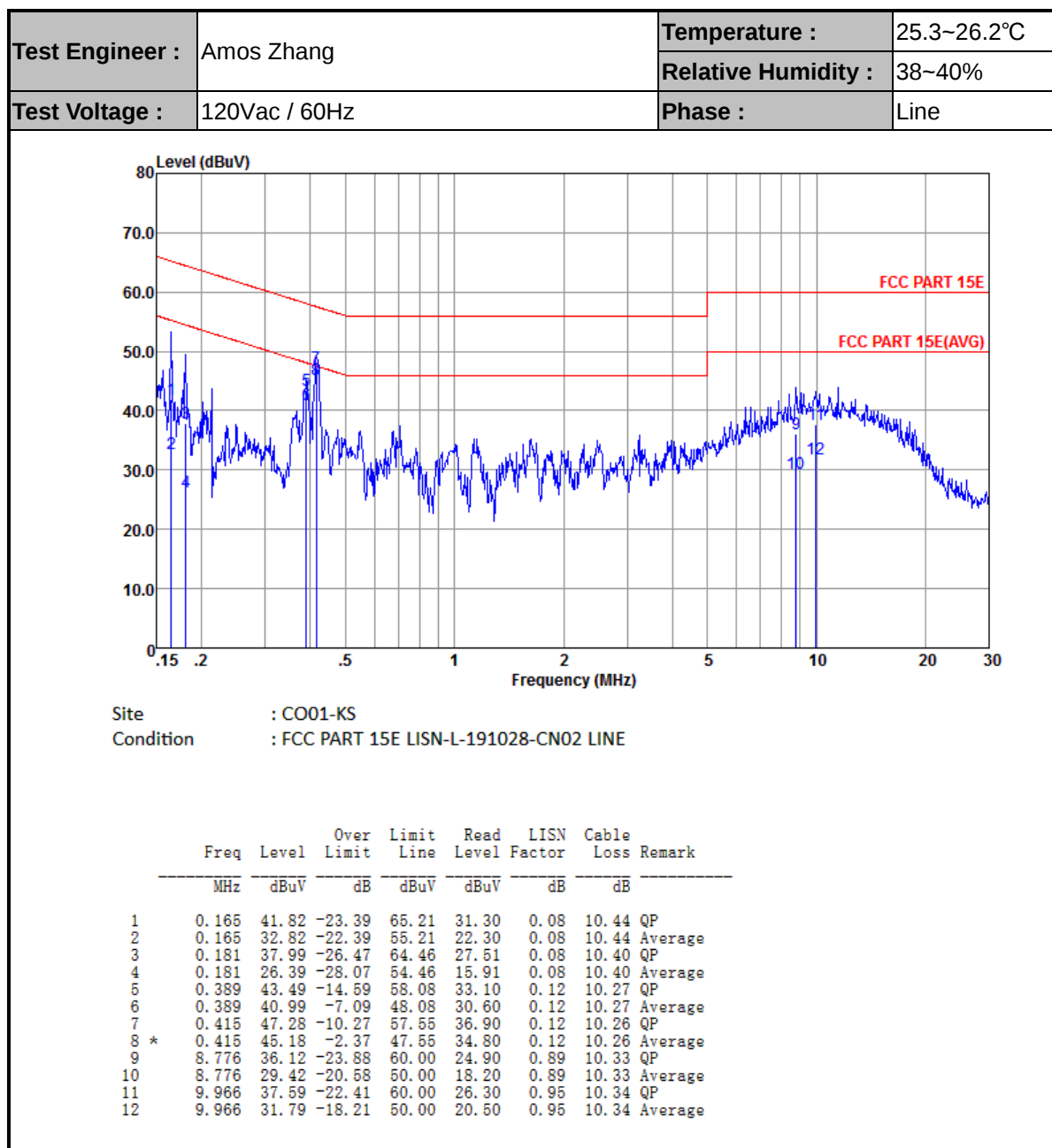
FCC Band III																
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	RU CONFIG	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	/	0.18	0.18	17.09	16.73	19.92	23.98		2.90		30	Pass
11a	6Mbps	2	116	5580		0.18	0.18	17.14	16.64	19.90	23.98		2.90		30	Pass
11a	6Mbps	2	140	5700		0.18	0.18	17.29	16.81	20.06	23.98		2.90		30	Pass
11a	chain0	2	144	5720		0.18	0.18	18.51	17.70	21.13	23.98		2.90		30	Pass
HT20	MCS0	2	100	5500		0.19	0.19	17.42	17.07	20.26	23.98		2.90		30	Pass
HT20	MCS0	2	116	5580		0.19	0.19	17.40	17.06	20.24	23.98		2.90		30	Pass
HT20	MCS0	2	140	5700		0.19	0.19	17.48	17.10	20.30	23.98		2.90		30	Pass
HT20	MCS0	2	144	5720		0.19	0.19	17.88	16.61	20.30	23.98		2.90		30	Pass
HT40	MCS0	2	102	5510		0.37	0.37	19.77	19.48	22.64	23.98		2.90		30	Pass
HT40	MCS0	2	110	5550		0.37	0.37	19.91	19.56	22.75	23.98		2.90		30	Pass
HT40	MCS0	2	134	5670		0.37	0.37	19.86	19.65	22.77	23.98		2.90		30	Pass
HT40	MCS0	2	142	5670		0.37	0.37	19.28	18.99	22.15	23.98		2.90		30	Pass
VHT20	MCS0	2	100	5500		0.19	0.19	17.35	16.85	20.11	23.98		2.90		30	Pass
VHT20	MCS0	2	116	5580		0.19	0.19	17.33	16.93	20.14	23.98		2.90		30	Pass
VHT20	MCS0	2	140	5700		0.19	0.19	17.24	17.00	20.13	23.98		2.90		30	Pass
VHT20	MCS0	2	144	5720		0.19	0.19	16.94	16.79	19.87	23.98		2.90		30	Pass
VHT40	MCS0	2	102	5510		0.37	0.37	19.59	19.28	22.44	23.98		2.90		30	Pass
VHT40	MCS0	2	110	5550		0.37	0.37	19.86	19.33	22.61	23.98		2.90		30	Pass
VHT40	MCS0	2	134	5670		0.37	0.37	19.63	19.42	22.53	23.98		2.90		30	Pass
VHT40	MCS0	2	142	5710		0.37	0.37	19.73	19.49	22.62	23.98		2.90		30	Pass
VHT80	MCS0	2	106	5530		0.71	0.71	16.61	15.67	19.18	23.98		2.90		30	Pass
VHT80	MCS0	2	122	5610		0.71	0.71	21.06	20.63	23.86	23.98		2.90		30	Pass
VHT80	MCS0	2	138	5610		0.71	0.71	21.21	20.50	23.88	23.98		2.90		30	Pass
AX20	MCS0	2	100	5500	full	0.24	0.24	17.83	17.37	20.62	23.98		2.90		30	Pass
AX20	MCS0	2	100	5500	26	0.17	0.17	10.92	10.59	13.77	23.98		2.90		30	Pass
AX20	MCS0	2	100	5500	52	0.27	0.27	12.69	12.29	15.50	23.98		2.90		30	Pass
AX20	MCS0	2	100	5500	106	0.39	0.38	14.74	14.52	17.64	23.98		2.90		30	Pass
AX20	MCS0	2	116	5580	full	0.24	0.24	17.40	17.03	20.23	23.98		2.90		30	Pass
AX20	MCS0	2	140	5700	full	0.24	0.24	17.59	17.13	20.38	23.98		2.90		30	Pass
AX20	MCS0	2	140	5700	26	0.17	0.17	10.59	10.11	13.37	23.98		2.90		30	Pass
AX20	MCS0	2	140	5700	52	0.27	0.27	10.59	12.41	15.62	23.98		2.90		30	Pass
AX20	MCS0	2	140	5700	106	0.39	0.38	14.98	14.80	17.90	23.98		2.90		30	Pass
AX20	MCS0	2	144	5720	full	0.24	0.24	18.50	17.59	21.08	23.98		2.90		30	Pass
AX40	MCS0	2	102	5510	full	0.46	0.46	19.81	18.95	22.41	23.98		2.90		30	Pass
AX40	MCS0	2	102	5510	242	0.53	0.53	17.75	17.50	20.64	23.98		2.90		30	Pass
AX40	MCS0	2	110	5550	full	0.46	0.46	20.23	19.76	23.01	23.98		2.90		30	Pass
AX40	MCS0	2	134	5670	full	0.46	0.46	19.23	19.09	22.17	23.98		2.90		30	Pass
AX40	MCS0	2	134	5670	242	0.53	0.53	18.01	17.67	20.86	23.98		2.90		30	Pass
AX40	MCS0	2	142	5710	full	0.46	0.46	20.27	19.09	22.73	23.98		2.90		30	Pass
AX80	MCS0	2	106	5530	full	0.78	0.77	16.07	15.05	18.60	23.98		2.90		30	Pass
AX80	MCS0	2	106	5530	484	0.55	0.58	10.62	10.18	13.21	23.98		2.90		30	Pass
AX80	MCS0	2	122	5610	full	0.78	0.77	20.82	20.42	23.63	23.98		2.90		30	Pass
AX80	MCS0	2	122	5610	484	0.55	0.58	18.39	18.10	21.05	23.98		2.90		30	Pass
AX80	MCS0	2	138	5690	full	0.78	0.77	21.42	20.45	23.97	23.98		2.90		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band III													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	100	5500	/	0.18	0.18	10.66	11.00	5.91		Pass	
11a	6Mbps	2	116	5580		0.18	0.18	10.18	11.00	5.91		Pass	
11a	6Mbps	2	140	5700		0.18	0.18	10.71	11.00	5.91		Pass	
11a	chain0	2	144	5720		0.18	0.18	10.83	11.00	5.91		Pass	
HT20	MCS0	2	100	5500		0.19	0.19	10.83	11.00	5.91		Pass	
HT20	MCS0	2	116	5580		0.19	0.19	10.60	11.00	5.91		Pass	
HT20	MCS0	2	140	5700		0.19	0.19	10.68	11.00	5.91		Pass	
HT20	chain0	2	144	5720		0.19	0.19	9.41	11.00	5.91		Pass	
HT40	MCS0	2	102	5510		0.37	0.37	10.24	11.00	5.91		Pass	
HT40	MCS0	2	110	5550		0.37	0.37	10.47	11.00	5.91		Pass	
HT40	MCS0	2	134	5670		0.37	0.37	10.26	11.00	5.91		Pass	
HT40	MCS0	2	142	5710		0.37	0.37	8.71	11.00	5.91		Pass	
VHT80	MCS0	2	106	5530		0.71	0.71	2.21	11.00	5.91		Pass	
VHT80	MCS0	2	122	5610		0.71	0.71	8.48	11.00	5.91		Pass	
VHT80	MCS0	2	122	5610		0.71	0.71	7.11	11.00	5.91		Pass	
AX20	MCS0	2	100	5500	full	0.24	0.24	10.75	11.00	5.91		Pass	
AX20	MCS0	2	100	5500	26	0.17	0.17	10.18	11.00	5.91		Pass	
AX20	MCS0	2	100	5500	52	0.27	0.27	10.16	11.00	5.91		Pass	
AX20	MCS0	2	100	5500	106	0.39	0.38	10.22	11.00	5.91		Pass	
AX20	MCS0	2	116	5580	full	0.24	0.24	10.64	11.00	5.91		Pass	
AX20	MCS0	2	140	5700	full	0.24	0.24	10.75	11.00	5.91		Pass	
AX20	MCS0	2	140	5700	26	0.17	0.17	10.22	11.00	5.91		Pass	
AX20	MCS0	2	140	5700	52	0.27	0.27	10.39	11.00	5.91		Pass	
AX20	MCS0	2	140	5700	106	0.39	0.38	10.34	11.00	5.91		Pass	
AX20	MCS0	2	144	5720	full	0.24	0.24	10.87	11.00	5.91		Pass	
AX40	MCS0	2	102	5510	full	0.46	0.46	10.01	11.00	5.91		Pass	
AX40	MCS0	2	102	5510	242	0.53	0.53	9.52	11.00	5.91		Pass	
AX40	MCS0	2	110	5550	full	0.46	0.46	10.71	11.00	5.91		Pass	
AX40	MCS0	2	134	5670	full	0.46	0.46	10.67	11.00	5.91		Pass	
AX40	MCS0	2	134	5670	242	0.53	0.53	10.04	11.00	5.91		Pass	
AX40	MCS0	2	142	5710	full	0.46	0.46	8.85	11.00	5.91		Pass	
AX80	MCS0	2	106	5530	full	0.78	0.77	0.36	11.00	5.91		Pass	
AX80	MCS0	2	106	5530	484	0.55	0.58	0.14	11.00	5.91		Pass	
AX80	MCS0	2	122	5610	full	0.78	0.77	8.35	11.00	5.91		Pass	
AX80	MCS0	2	122	5610	484	0.55	0.58	7.61	11.00	5.91		Pass	
AX80	MCS0	2	138	5690	full	0.78	0.77	4.80	11.00	5.91		Pass	

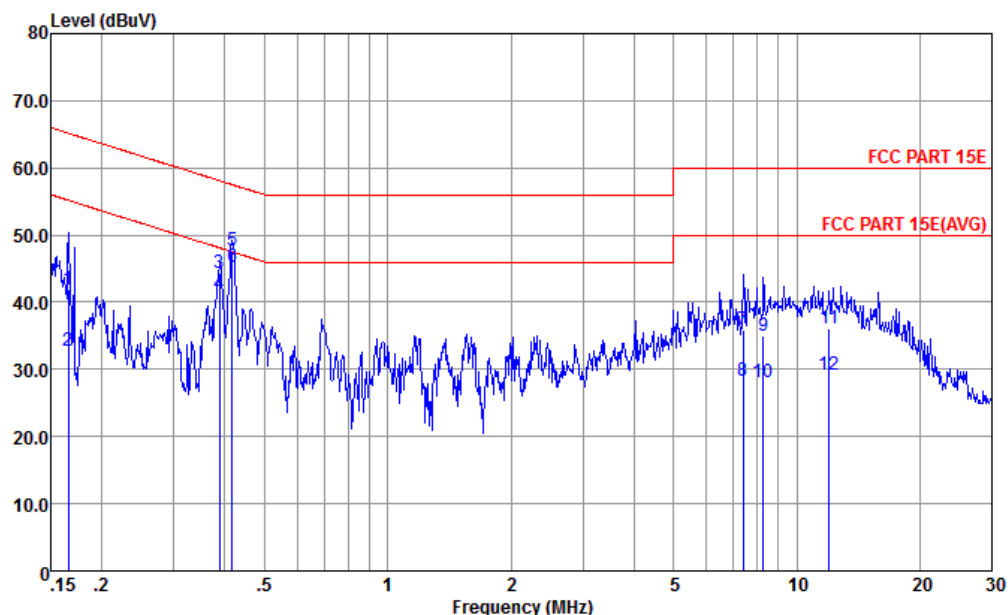


Appendix B. AC Conducted Emission Test Results





Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral



Site : CO01-KS
Condition : FCC PART 15E LISN-N-191028-CN02 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.166	41.80	-23.36	65.16	31.20	0.16	10.44	QP
2	0.166	32.70	-22.46	55.16	22.10	0.16	10.44	Average
3	0.387	44.28	-13.84	58.12	33.80	0.21	10.27	QP
4	0.387	41.28	-6.84	48.12	30.80	0.21	10.27	Average
5	0.417	47.68	-9.83	57.51	37.20	0.22	10.26	QP
6 *	0.417	45.28	-2.23	47.51	34.80	0.22	10.26	Average
7	7.407	35.83	-24.17	60.00	24.50	1.02	10.31	QP
8	7.407	28.23	-21.77	50.00	16.90	1.02	10.31	Average
9	8.279	35.00	-25.00	60.00	23.60	1.08	10.32	QP
10	8.279	28.00	-22.00	50.00	16.60	1.08	10.32	Average
11	11.996	35.99	-24.01	60.00	24.09	1.53	10.37	QP
12	11.996	29.19	-20.81	50.00	17.29	1.53	10.37	Average

Note:

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



Appendix C. Radiated Spurious Emission

For Sample 1:

UNII-1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5147.52	64.71	-9.29	74	49.52	34.62	11.18	30.61	198	322	P	H
		5148.16	49.37	-4.63	54	34.18	34.62	11.18	30.61	198	322	A	H
	*	5176	113.94	-	-	98.68	34.67	11.21	30.62	198	322	P	H
		5176	106.6	-	-	91.34	34.67	11.21	30.62	198	322	A	H
		5149.98	62.82	-11.18	74	47.63	34.62	11.18	30.61	189	73	P	V
		5150	53.66	-0.34	54	38.47	34.62	11.18	30.61	189	73	A	V
	*	5182	119.57	-	-	104.31	34.67	11.21	30.62	189	73	P	V
		5182	112.93	-	-	97.67	34.67	11.21	30.62	189	73	A	V
802.11a CH 40 5200MHz		5148	60.1	-13.9	74	44.91	34.62	11.18	30.61	268	325	P	H
		5148.64	49.78	-4.22	54	34.59	34.62	11.18	30.61	268	325	A	H
		5200	118.32	-	-	103.02	34.7	11.23	30.63	268	325	P	H
		5200	110.52	-	-	95.22	34.7	11.23	30.63	268	325	A	H
		5147.68	64.56	-9.44	74	49.37	34.62	11.18	30.61	198	246	P	V
		5149.12	53.32	-0.68	54	38.13	34.62	11.18	30.61	198	246	A	V
		5200	122.32	-	-	107.02	34.7	11.23	30.63	198	246	P	V
		5200	116.22	-	-	100.92	34.7	11.23	30.63	198	246	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 44 5220MHz		5146.4	58.68	-15.32	74	43.49	34.62	11.18	30.61	281	328	P	H
		5149.92	49.81	-4.19	54	34.62	34.62	11.18	30.61	281	328	A	H
		5218	118.63	-	-	103.31	34.7	11.25	30.63	281	328	P	H
		5218	113.39	-	-	98.07	34.7	11.25	30.63	281	328	A	H
		5389.02	57.3	-16.7	74	41.88	34.7	11.41	30.69	281	328	P	H
		5385.06	47.23	-6.77	54	31.81	34.7	11.41	30.69	281	328	A	H
		5146.56	62.67	-11.33	74	47.48	34.62	11.18	30.61	184	292	P	V
		5149.92	53.21	-0.79	54	38.02	34.62	11.18	30.61	184	292	A	V
		5224	125.26	-	-	109.94	34.7	11.25	30.63	184	292	P	V
		5224	117.51	-	-	102.19	34.7	11.25	30.63	184	292	A	V
		5368.86	59.22	-14.78	74	43.81	34.7	11.4	30.69	184	292	P	V
		5375.7	50.22	-3.78	54	34.81	34.7	11.4	30.69	184	292	A	V
802.11a CH 48 5240MHz		5394.24	57.01	-16.99	74	41.59	34.7	11.41	30.69	278	325	P	H
		5385.6	47.54	-6.46	54	32.12	34.7	11.41	30.69	278	325	A	H
		5242	119.79	-	-	104.45	34.7	11.28	30.64	278	325	P	H
		5242	113.23	-	-	97.89	34.7	11.28	30.64	278	325	A	H
		5395.86	59.83	-14.17	74	44.39	34.7	11.43	30.69	196	292	P	V
		5351.76	51.33	-2.67	54	35.93	34.7	11.38	30.68	196	292	A	V
		5242	124.22	-	-	108.88	34.7	11.28	30.64	196	292	P	V
		5242	118.34	-	-	103	34.7	11.28	30.64	196	292	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	43.68	-24.62	68.3	50.64	37.59	16.13	60.68	300	0	P	H
		10360	42.98	-25.32	68.3	49.94	37.59	16.13	60.68	300	0	P	V
802.11a CH 40 5200MHz		10398.39	44.84	-23.46	68.3	51.73	37.62	16.16	60.67	300	0	P	H
		15600	49.93	-24.07	74	49.56	40.29	19.88	59.8	100	0	P	H
		10398.39	44.01	-24.29	68.3	50.9	37.62	16.16	60.67	300	0	P	V
		15600	56.2	-17.8	74	55.83	40.29	19.88	59.8	195	250	P	V
802.11a CH 44 5220MHz		15600	46.01	-7.99	54	45.64	40.29	19.88	59.8	195	250	A	V
		10438.44	48.78	-19.52	68.3	55.6	37.65	16.19	60.66	300	0	P	H
		15660	60.22	-13.78	74	59.71	40.38	19.91	59.78	100	341	P	H
		15660	49.68	-4.32	54	49.17	40.38	19.91	59.78	100	341	A	H
		10440	44.44	-23.86	68.3	51.26	37.65	16.19	60.66	300	0	P	V
		15672	63.8	-10.2	74	63.24	40.41	19.92	59.77	363	244	P	V
802.11a CH 48 5240MHz		15672	53.52	-0.48	54	52.96	40.41	19.92	59.77	363	244	A	V
		10478.47	46.17	-22.13	68.3	52.89	37.69	16.24	60.65	300	0	P	H
		15720	59	-15	74	58.3	40.5	19.95	59.75	294	321	P	H
		15720	48.86	-5.14	54	48.16	40.5	19.95	59.75	294	321	A	H
		10476	45.11	-23.19	68.3	51.87	37.67	16.23	60.66	300	0	P	V
		15720	63.16	-10.84	74	62.46	40.5	19.95	59.75	197	246	P	V
Remark		15720	52.73	-1.27	54	52.03	40.5	19.95	59.75	197	246	A	V
		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



UNII-1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5146.08	59.6	-14.4	74	44.41	34.62	11.18	30.61	300	324	P	H
		5149.12	49.37	-4.63	54	34.18	34.62	11.18	30.61	300	324	A	H
	*	5182	112.73	-	-	97.47	34.67	11.21	30.62	300	324	P	H
		5182	105.9	-	-	90.64	34.67	11.21	30.62	300	324	A	H
		5146.72	64.7	-9.3	74	49.51	34.62	11.18	30.61	210	247	P	V
		5149.28	53.55	-0.45	54	38.36	34.62	11.18	30.61	210	247	A	V
	*	5182	117.31	-	-	102.05	34.67	11.21	30.62	210	247	P	V
		5182	109.95	-	-	94.69	34.67	11.21	30.62	210	247	A	V
802.11n HT20 CH 40 5200MHz		5149.12	60.03	-13.97	74	44.84	34.62	11.18	30.61	244	41	P	H
		5148.32	49.47	-4.53	54	34.28	34.62	11.18	30.61	244	41	A	H
	*	5200	115.22	-	-	99.92	34.7	11.23	30.63	244	41	P	H
		5200	107.98	-	-	92.68	34.7	11.23	30.63	244	41	A	H
		5148.48	63.73	-10.27	74	48.54	34.62	11.18	30.61	184	100	P	V
		5148.16	53.14	-0.86	54	37.95	34.62	11.18	30.61	184	100	A	V
	*	5200	120.95	-	-	105.65	34.7	11.23	30.63	184	100	P	V
		5200	113.65	-	-	98.35	34.7	11.23	30.63	184	100	A	V
802.11n HT20 CH 44 5220MHz		5144.32	58.42	-15.58	74	43.23	34.62	11.18	30.61	213	324	P	H
		5145.44	49.4	-4.6	54	34.21	34.62	11.18	30.61	213	324	A	H
	*	5218	117.16	-	-	101.84	34.7	11.25	30.63	213	324	P	H
		5218	111.06	-	-	95.74	34.7	11.25	30.63	213	324	A	H
		5358.42	56.92	-17.08	74	41.52	34.7	11.38	30.68	213	324	P	H
		5350.86	47.13	-6.87	54	31.73	34.7	11.38	30.68	213	324	A	H
		5143.52	65.34	-8.66	74	50.15	34.62	11.18	30.61	189	72	P	V
		5146.08	52.85	-1.15	54	37.66	34.62	11.18	30.61	189	72	A	V
	*	5218	123.15	-	-	107.83	34.7	11.25	30.63	189	72	P	V
		5218	117.36	-	-	102.04	34.7	11.25	30.63	189	72	A	V
		5353.38	58.95	-15.05	74	43.55	34.7	11.38	30.68	189	72	P	V
		5361.66	49.55	-4.45	54	34.14	34.7	11.4	30.69	189	72	A	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 48 5240MHz		5386.14	56.77	-17.23	74	41.35	34.7	11.41	30.69	279	331	P	H
		5352.48	47.27	-6.73	54	31.87	34.7	11.38	30.68	279	331	A	H
	*	5236	117.2	-	-	101.88	34.7	11.26	30.64	279	331	P	H
		5236	111.3	-	-	95.98	34.7	11.26	30.64	279	331	A	H
		5369.22	60.6	-13.4	74	45.19	34.7	11.4	30.69	184	250	P	V
		5351.58	50.77	-3.23	54	35.37	34.7	11.38	30.68	184	250	A	V
	*	5236	122.89	-	-	107.57	34.7	11.26	30.64	184	250	P	V
		5236	116.67	-	-	101.35	34.7	11.26	30.64	184	250	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	44.59	-23.71	68.3	51.55	37.59	16.13	60.68	300	0	P	H
		10360	43.15	-25.15	68.3	50.11	37.59	16.13	60.68	300	0	P	V
802.11n HT20 CH 40 5200MHz		10398.39	46.64	-21.66	68.3	53.53	37.62	16.16	60.67	300	0	P	H
		15600	49.1	-24.9	74	48.73	40.29	19.88	59.8	100	0	P	H
		10398.39	44.98	-23.32	68.3	51.87	37.62	16.16	60.67	300	0	P	V
		15600	48.81	-25.19	74	48.44	40.29	19.88	59.8	100	0	P	V
802.11n HT20 CH 44 5220MHz		10440	46.1	-22.2	68.3	52.92	37.65	16.19	60.66	300	0	P	H
		15660	60.8	-13.2	74	60.29	40.38	19.91	59.78	300	324	P	H
		15660	47.68	-6.32	54	47.17	40.38	19.91	59.78	300	324	A	H
		10440	44.28	-24.02	68.3	51.1	37.65	16.19	60.66	300	0	P	V
		15660	65.03	-8.97	74	64.52	40.38	19.91	59.78	198	248	P	V
		15660	52.46	-1.54	54	51.95	40.38	19.91	59.78	198	248	A	V
802.11n HT20 CH 48 5240MHz		10480	44.82	-23.48	68.3	51.54	37.69	16.24	60.65	300	0	P	H
		15720	60.25	-13.75	74	59.55	40.5	19.95	59.75	292	321	P	H
		15720	47.6	-6.4	54	46.9	40.5	19.95	59.75	292	321	A	H
		10480	43.55	-24.75	68.3	50.27	37.69	16.24	60.65	300	0	P	V
		15720	62.63	-11.37	74	61.93	40.5	19.95	59.75	198	249	P	V
		15720	53.04	-0.96	54	52.34	40.5	19.95	59.75	198	249	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5148.64	59.13	-14.87	74	43.94	34.62	11.18	30.61	244	326	P	H
		5148.96	50.59	-3.41	54	35.4	34.62	11.18	30.61	244	326	A	H
	*	5194	107.67	-	-	92.37	34.7	11.23	30.63	244	326	P	H
		5194	101.55	-	-	86.25	34.7	11.23	30.63	244	326	A	H
		5358.42	55.53	-18.47	74	40.13	34.7	11.38	30.68	244	326	P	H
		5393.88	46.93	-7.07	54	31.51	34.7	11.41	30.69	244	326	A	H
		5148	60.75	-13.25	74	45.56	34.62	11.18	30.61	257	71	P	V
		5150	53.34	-0.66	54	38.15	34.62	11.18	30.61	257	71	A	V
	*	5188	112.44	-	-	97.18	34.67	11.21	30.62	257	71	P	V
		5188	106.16	-	-	90.9	34.67	11.21	30.62	257	71	A	V
		5397.84	56.87	-17.13	74	41.43	34.7	11.43	30.69	257	71	P	V
		5393.7	47.33	-6.67	54	31.91	34.7	11.41	30.69	257	71	A	V
802.11n HT40 CH 46 5230MHz		5143.84	59.28	-14.72	74	44.09	34.62	11.18	30.61	325	328	P	H
		5149.28	50.39	-3.61	54	35.2	34.62	11.18	30.61	325	328	A	H
	*	5230	113.86	-	-	98.54	34.7	11.26	30.64	325	328	P	H
		5230	107.24	-	-	91.92	34.7	11.26	30.64	325	328	A	H
		5356.08	56.83	-17.17	74	41.43	34.7	11.38	30.68	325	328	P	H
		5364.72	47.63	-6.37	54	32.22	34.7	11.4	30.69	325	328	A	H
		5149.6	63.71	-10.29	74	48.52	34.62	11.18	30.61	187	73	P	V
		5149.92	53.78	-0.22	54	38.59	34.62	11.18	30.61	187	73	A	V
	*	5230	117.55	-	-	102.23	34.7	11.26	30.64	187	73	P	V
		5230	111.94	-	-	96.62	34.7	11.26	30.64	187	73	A	V
		5383.44	59.81	-14.19	74	44.39	34.7	11.41	30.69	187	73	P	V
		5361.12	49.76	-4.24	54	34.35	34.7	11.4	30.69	187	73	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	44.13	-24.17	68.3	51.04	37.61	16.15	60.67	100	360	P	H
		10380	43.62	-24.68	68.3	50.53	37.61	16.15	60.67	100	360	P	V
802.11n HT40 CH 46 5230MHz		10458.46	43.41	-24.89	68.3	50.2	37.66	16.21	60.66	300	0	P	H
		15690	54.25	-19.75	74	53.64	40.44	19.93	59.76	297	323	P	H
		15690	47.26	-6.74	54	46.65	40.44	19.93	59.76	297	323	A	H
		10458.46	44.07	-24.23	68.3	50.86	37.66	16.21	60.66	300	0	P	V
		15690	59.3	-14.7	74	58.69	40.44	19.93	59.76	195	252	P	V
		15690	52.07	-1.93	54	51.46	40.44	19.93	59.76	195	252	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5144.96	57.3	-16.7	74	42.11	34.62	11.18	30.61	256	323	P	H
		5149.98	50.57	-3.43	54	35.38	34.62	11.18	30.61	256	323	A	H
	*	5218	101.27	-	-	85.95	34.7	11.25	30.63	256	323	P	H
		5218	95.11	-	-	79.79	34.7	11.25	30.63	256	323	A	H
		5351.04	55.38	-18.62	74	39.98	34.7	11.38	30.68	256	323	P	H
		5361.48	46.46	-7.54	54	31.05	34.7	11.4	30.69	256	323	A	H
		5149.12	61.04	-12.96	74	45.85	34.62	11.18	30.61	185	68	P	V
		5148.96	53.66	-0.34	54	38.47	34.62	11.18	30.61	185	68	A	V
	*	5200	106.18	-	-	90.88	34.7	11.23	30.63	185	68	P	V
		5200	99.74	-	-	84.44	34.7	11.23	30.63	185	68	A	V
		5372.64	56.17	-17.83	74	40.76	34.7	11.4	30.69	185	68	P	V
		5361.84	47.34	-6.66	54	31.93	34.7	11.4	30.69	185	68	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80		10418.42	43.37	-24.93	68.3	50.23	37.63	16.18	60.67	300	0	P	H
CH 42 5210MHz		10418.42	44	-24.3	68.3	50.86	37.63	16.18	60.67	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 - 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		5143.84	59.5	-14.5	74	44.31	34.62	11.18	30.61	242	321	P	H
		5148.96	50.75	-3.25	54	35.56	34.62	11.18	30.61	242	321	A	H
		5182	114.38	-	-	99.12	34.67	11.21	30.62	242	321	P	H
		5182	106.28	-	-	91.02	34.67	11.21	30.62	242	321	A	H
		5148.32	61.71	-12.29	74	46.52	34.62	11.18	30.61	199	78	P	V
		5148.16	53.14	-0.86	54	37.95	34.62	11.18	30.61	199	78	A	V
		5182	118.06	-	-	102.8	34.67	11.21	30.62	199	78	P	V
		5182	110.84	-	-	95.58	34.67	11.21	30.62	199	78	A	V
802.11ax HE20 Full CH 40 5200MHz		5149.28	58.95	-15.05	74	43.76	34.62	11.18	30.61	208	185	P	H
		5148	50.01	-3.99	54	34.82	34.62	11.18	30.61	208	185	A	H
		5200	115.68	-	-	100.38	34.7	11.23	30.63	208	185	P	H
		5200	107.46	-	-	92.16	34.7	11.23	30.63	208	185	A	H
		5149.92	63.99	-10.01	74	48.8	34.62	11.18	30.61	209	99	P	V
		5149.28	53.01	-0.99	54	37.82	34.62	11.18	30.61	209	99	A	V
		5200	121.57	-	-	106.27	34.7	11.23	30.63	209	99	P	V
		5200	113.07	-	-	97.77	34.7	11.23	30.63	209	99	A	V
802.11ax HE20 Full CH 44 5220MHz		5141.76	58.97	-15.03	74	43.78	34.62	11.18	30.61	180	325	P	H
		5145.76	49.51	-4.49	54	34.32	34.62	11.18	30.61	180	325	A	H
		5224	116.54	-	-	101.22	34.7	11.25	30.63	180	325	P	H
		5224	109.34	-	-	94.02	34.7	11.25	30.63	180	325	A	H
		5390.1	56.68	-17.32	74	41.26	34.7	11.41	30.69	180	325	P	H
		5377.68	47.52	-6.48	54	32.1	34.7	11.41	30.69	180	325	A	H
		5136.48	61.89	-12.11	74	46.74	34.6	11.16	30.61	187	72	P	V
		5149.12	53.21	-0.79	54	38.02	34.62	11.18	30.61	187	72	A	V
		5218	123.09	-	-	107.77	34.7	11.25	30.63	187	72	P	V
		5218	115.34	-	-	100.02	34.7	11.25	30.63	187	72	A	V
		5361.84	59.65	-14.35	74	44.24	34.7	11.4	30.69	187	72	P	V
		5359.32	50	-4	54	34.6	34.7	11.38	30.68	187	72	A	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 48 5240MHz		5146.4	58.7	-15.3	74	43.51	34.62	11.18	30.61	253	333	P	H
		5129.12	49.51	-4.49	54	34.35	34.6	11.16	30.6	253	333	A	H
		5236	117.93	-	-	102.61	34.7	11.26	30.64	253	333	P	H
		5236	110.35	-	-	95.03	34.7	11.26	30.64	253	333	A	H
		5351.22	56.79	-17.21	74	41.39	34.7	11.38	30.68	253	333	P	H
		5351.4	48.13	-5.87	54	32.73	34.7	11.38	30.68	253	333	A	H
		5141.44	62.14	-11.86	74	46.95	34.62	11.18	30.61	204	78	P	V
		5149.95	53.06	-0.94	54	37.87	34.62	11.18	30.61	204	78	A	V
		5242	123.42	-	-	108.08	34.7	11.28	30.64	204	78	P	V
		5242	116.35	-	-	101.01	34.7	11.28	30.64	204	78	A	V
		5351.22	60.36	-13.64	74	44.96	34.7	11.38	30.68	204	78	P	V
		5350.5	51.82	-2.18	54	36.42	34.7	11.38	30.68	204	78	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		10358.36	44.73	-23.57	68.3	51.72	37.58	16.11	60.68	300	0	P	H
		10358.36	43.17	-25.13	68.3	50.16	37.58	16.11	60.68	300	0	P	V
802.11ax HE20 Full CH 40 5200Hz		10398.39	43.97	-24.33	68.3	50.86	37.62	16.16	60.67	300	0	P	H
		10398.39	42.85	-25.45	68.3	49.74	37.62	16.16	60.67	300	0	P	V
802.11ax HE20 Full CH 44 5220MHz		10438.44	46.6	-21.7	68.3	53.42	37.65	16.19	60.66	300	0	P	H
		15660	55.93	-18.07	74	55.42	40.38	19.91	59.78	100	0	P	H
		15660	47.16	-6.84	54	46.65	40.38	19.91	59.78	301	324	A	H
		10438.44	43.88	-24.42	68.3	50.7	37.65	16.19	60.66	300	0	P	V
		15660	63.11	-10.89	74	62.6	40.38	19.91	59.78	194	250	P	V
		15660	52.85	-1.15	54	52.34	40.38	19.91	59.78	194	250	A	V
802.11ax HE20 Full CH 48 5240MHz		10478.47	45.41	-22.89	68.3	52.13	37.69	16.24	60.65	300	0	P	H
		15720	59.45	-14.55	74	58.75	40.5	19.95	59.75	297	325	P	H
		15720	49.1	-4.9	54	48.4	40.5	19.95	59.75	297	325	A	H
		10478.47	44.83	-23.47	68.3	51.55	37.69	16.24	60.65	300	0	P	V
		15720	62.38	-11.62	74	61.68	40.5	19.95	59.75	194	247	P	V
		15720	52.88	-1.12	54	52.18	40.5	19.95	59.75	194	247	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 36 5180MHz		5142.88	64.99	-9.01	74	49.8	34.62	11.18	30.61	270	327	P	H
		5147.2	49.02	-4.98	54	33.83	34.62	11.18	30.61	270	327	A	H
		5170	116.26	-	-	101.03	34.65	11.2	30.62	270	327	P	H
		5170	110.17	-	-	94.94	34.65	11.2	30.62	270	327	A	H
		5144	68.83	-5.17	74	53.64	34.62	11.18	30.61	239	91	P	V
		5148.64	52.53	-1.47	54	37.34	34.62	11.18	30.61	239	91	A	V
		5170	120.62	-	-	105.39	34.65	11.2	30.62	239	91	P	V
		5170	114.17	-	-	98.94	34.65	11.2	30.62	239	91	A	V
802.11ax HE20 Partial 26/8 CH 48 5240MHz		5393.52	55.21	-18.79	74	39.79	34.7	11.41	30.69	278	324	P	H
		5386.32	45.9	-8.1	54	30.48	34.7	11.41	30.69	278	324	A	H
		5248	116.18	-	-	100.85	34.7	11.28	30.65	278	324	P	H
		5248	109.52	-	-	94.19	34.7	11.28	30.65	278	324	A	H
		5368.14	55.6	-18.4	74	40.19	34.7	11.4	30.69	208	278	P	V
		5368.5	47.34	-6.66	54	31.93	34.7	11.4	30.69	208	278	A	V
		5248	119.57	-	-	104.24	34.7	11.28	30.65	208	278	P	V
		5248	113.94	-	-	98.61	34.7	11.28	30.65	208	278	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 52/37 CH 36 5180MHz		5145.76	59.89	-14.11	74	44.7	34.62	11.18	30.61	270	327	P	H
		5147.68	49.69	-4.31	54	34.5	34.62	11.18	30.61	270	327	A	H
		5176	117.19	-	-	101.93	34.67	11.21	30.62	270	327	P	H
		5176	111.21	-	-	95.95	34.67	11.21	30.62	270	327	A	H
		5148	67.91	-6.09	74	52.72	34.62	11.18	30.61	197	262	P	V
		5146.4	52.94	-1.06	54	37.75	34.62	11.18	30.61	197	262	A	V
		5176	122.12	-	-	106.86	34.67	11.21	30.62	197	262	P	V
		5176	115.53	-	-	100.27	34.67	11.21	30.62	197	262	A	V
802.11ax HE20 Partial 52/40 CH 48 5240MHz		5393.34	56.64	-17.36	74	41.22	34.7	11.41	30.69	238	326	P	H
		5393.7	46.68	-7.32	54	31.26	34.7	11.41	30.69	238	326	A	H
		5248	116.16	-	-	100.83	34.7	11.28	30.65	238	326	P	H
		5248	109.69	-	-	94.36	34.7	11.28	30.65	238	326	A	H
		5393.88	58.7	-15.3	74	43.28	34.7	11.41	30.69	186	102	P	V
		5369.04	49.15	-4.85	54	33.74	34.7	11.4	30.69	186	102	A	V
		5248	122.32	-	-	106.99	34.7	11.28	30.65	186	102	P	V
		5248	115.84	-	-	100.51	34.7	11.28	30.65	186	102	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 36 5180MHz		5101.12	57.57	-16.43	74	42.49	34.55	11.13	30.6	269	328	P	H
		5149.76	49.41	-4.59	54	34.22	34.62	11.18	30.61	269	328	A	H
		5176	117.9	-	-	102.64	34.67	11.21	30.62	269	328	P	H
		5176	110.56	-	-	95.3	34.67	11.21	30.62	269	328	A	H
		5148.32	62.79	-11.21	74	47.6	34.62	11.18	30.61	184	249	P	V
		5149.12	53.26	-0.74	54	38.07	34.62	11.18	30.61	184	249	A	V
		5176	121.72	-	-	106.46	34.67	11.21	30.62	184	249	P	V
		5176	114.87	-	-	99.61	34.67	11.21	30.62	184	249	A	V
802.11ax HE20 Partial 106/54 CH 48 5240MHz		5362.56	56.32	-17.68	74	40.91	34.7	11.4	30.69	112	332	P	H
		5394.78	46.96	-7.04	54	31.52	34.7	11.43	30.69	112	332	A	H
		5248	119.02	-	-	103.69	34.7	11.28	30.65	112	332	P	H
		5248	111.4	-	-	96.07	34.7	11.28	30.65	112	332	A	H
		5366.7	59.18	-14.82	74	43.77	34.7	11.4	30.69	187	97	P	V
		5369.22	49.58	-4.42	54	34.17	34.7	11.4	30.69	187	97	A	V
		5242	123.47	-	-	108.13	34.7	11.28	30.64	187	97	P	V
		5242	117.41	-	-	102.07	34.7	11.28	30.64	187	97	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5148	58.85	-15.15	74	43.66	34.62	11.18	30.61	245	321	P	H
		5149.98	50.45	-3.55	54	35.26	34.62	11.18	30.61	245	321	A	H
		5188	108.53	-	-	93.27	34.67	11.21	30.62	245	321	P	H
		5188	100.23	-	-	84.97	34.67	11.21	30.62	245	321	A	H
		5391.18	55.13	-18.87	74	39.71	34.7	11.41	30.69	245	321	P	H
		5350.14	46.07	-7.93	54	30.67	34.7	11.38	30.68	245	321	A	H
		5146.24	60.61	-13.39	74	45.42	34.62	11.18	30.61	197	103	P	V
		5148.8	53.15	-0.85	54	37.96	34.62	11.18	30.61	197	103	A	V
		5188	112.07	-	-	96.81	34.67	11.21	30.62	197	103	P	V
		5188	105.26	-	-	90	34.67	11.21	30.62	197	103	A	V
		5356.26	56.95	-17.05	74	41.55	34.7	11.38	30.68	197	103	P	V
		5372.1	47.03	-6.97	54	31.62	34.7	11.4	30.69	197	103	A	V
802.11ax HE40 Full CH 46 5230MHz		5146.72	63.35	-10.65	74	48.16	34.62	11.18	30.61	243	41	P	H
		5147.36	49.91	-4.09	54	34.72	34.62	11.18	30.61	243	41	A	H
		5230	110.53	-	-	95.21	34.7	11.26	30.64	243	41	P	H
		5230	104.73	-	-	89.41	34.7	11.26	30.64	243	41	A	H
		5350.68	56.29	-17.71	74	40.89	34.7	11.38	30.68	243	41	P	H
		5395.68	46.72	-7.28	54	31.28	34.7	11.43	30.69	243	41	A	H
		5147.84	65.4	-8.6	74	50.21	34.62	11.18	30.61	183	72	P	V
		5147.36	53.71	-0.29	54	38.52	34.62	11.18	30.61	183	72	A	V
		5230	116.07	-	-	100.75	34.7	11.26	30.64	183	72	P	V
		5230	108.37	-	-	93.05	34.7	11.26	30.64	183	72	A	V
		5351.58	59.3	-14.7	74	43.9	34.7	11.38	30.68	183	72	P	V
		5360.22	49.47	-4.53	54	34.07	34.7	11.38	30.68	183	72	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		10380	43.69	-24.61	68.3	50.6	37.61	16.15	60.67	300	0	P	H
		10380	42.82	-25.48	68.3	49.73	37.61	16.15	60.67	300	0	P	V
802.11ax HE40 Full CH 46 5230MHz		10458.46	45.41	-22.89	68.3	52.2	37.66	16.21	60.66	300	0	P	H
		15684	56.31	-17.69	74	55.7	40.44	19.93	59.76	300	326	P	H
		15684	47.67	-6.33	54	47.06	40.44	19.93	59.76	300	326	A	H
		10458.46	44.61	-23.69	68.3	51.4	37.66	16.21	60.66	300	0	P	V
		15696	61.05	-12.95	74	60.44	40.44	19.93	59.76	195	253	P	V
		15696	53.49	-0.51	54	52.88	40.44	19.93	59.76	195	253	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 38 5190MHz		5145.76	59.72	-14.28	74	44.53	34.62	11.18	30.61	271	328	P	H
		5149.28	49.29	-4.71	54	34.1	34.62	11.18	30.61	271	328	A	H
		5188	109.76	-	-	94.5	34.67	11.21	30.62	271	328	P	H
		5188	102.63	-	-	87.37	34.67	11.21	30.62	271	328	A	H
		5398.56	55.32	-18.68	74	39.89	34.7	11.43	30.7	271	328	P	H
		5394.06	46.41	-7.59	54	30.99	34.7	11.41	30.69	271	328	A	H
		5144.8	61.19	-12.81	74	46	34.62	11.18	30.61	183	246	P	V
		5145.76	53.06	-0.94	54	37.87	34.62	11.18	30.61	183	246	A	V
		5188	114.14	-	-	98.88	34.67	11.21	30.62	183	246	P	V
		5188	106.62	-	-	91.36	34.67	11.21	30.62	183	246	A	V
		5384.16	56.36	-17.64	74	40.94	34.7	11.41	30.69	183	246	P	V
		5355.54	47.39	-6.61	54	31.99	34.7	11.38	30.68	183	246	A	V
802.11ax HE40 Partial 242/62 CH 46 5230MHz		5116.48	57.69	-16.31	74	42.56	34.58	11.15	30.6	136	329	P	H
		5147.36	49.49	-4.51	54	34.3	34.62	11.18	30.61	136	329	A	H
		5230	115.22	-	-	99.9	34.7	11.26	30.64	136	329	P	H
		5230	108.01	-	-	92.69	34.7	11.26	30.64	136	329	A	H
		5351.4	56.04	-17.96	74	40.64	34.7	11.38	30.68	136	329	P	H
		5387.76	47.13	-6.87	54	31.71	34.7	11.41	30.69	136	329	A	H
		5149.68	61.81	-12.19	74	46.62	34.62	11.18	30.61	178	266	P	V
		5147.68	53.38	-0.62	54	38.19	34.62	11.18	30.61	178	266	A	V
		5230	118.77	-	-	103.45	34.7	11.26	30.64	178	266	P	V
		5230	110.68	-	-	95.36	34.7	11.26	30.64	178	266	A	V
		5394.6	57.75	-16.25	74	42.31	34.7	11.43	30.69	178	266	P	V
		5351.04	49.48	-4.52	54	34.08	34.7	11.38	30.68	178	266	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5143.36	56.68	-17.32	74	41.49	34.62	11.18	30.61	267	324	P	H
		5149.98	49.38	-4.62	54	34.19	34.62	11.18	30.61	267	324	A	H
		5206	101.07	-	-	85.77	34.7	11.23	30.63	267	324	P	H
		5206	93.99	-	-	78.69	34.7	11.23	30.63	267	324	A	H
		5387.58	55.27	-18.73	74	39.85	34.7	11.41	30.69	267	324	P	H
		5357.7	46.44	-7.56	54	31.04	34.7	11.38	30.68	267	324	A	H
		5148.8	58.36	-15.64	74	43.17	34.62	11.18	30.61	188	280	P	V
		5148.96	53.33	-0.67	54	38.14	34.62	11.18	30.61	188	280	A	V
		5218	106.09	-	-	90.77	34.7	11.25	30.63	188	280	P	V
		5218	98.83	-	-	83.51	34.7	11.25	30.63	188	280	A	V
		5358.24	55.89	-18.11	74	40.49	34.7	11.38	30.68	188	280	P	V
		5361.48	47.16	-6.84	54	31.75	34.7	11.4	30.69	188	280	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full		10420	44.45	-23.85	68.3	51.31	37.63	16.18	60.67	300	0	P	H
CH 42 5210MHz		10420	44.05	-24.25	68.3	50.91	37.63	16.18	60.67	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 42 5210MHz		5105.76	57.54	-16.46	74	42.41	34.58	11.15	30.6	311	323	P	H
		5149.98	48.87	-5.13	54	33.68	34.62	11.18	30.61	311	323	A	H
		5200	107.19	-	-	91.89	34.7	11.23	30.63	311	323	P	H
		5200	99.34	-	-	84.04	34.7	11.23	30.63	311	323	A	H
		5379.12	55.06	-18.94	74	39.64	34.7	11.41	30.69	311	323	P	H
		5357.52	46.59	-7.41	54	31.19	34.7	11.38	30.68	311	323	A	H
		5137.6	61.78	-12.22	74	46.63	34.6	11.16	30.61	193	72	P	V
		5148.64	53.72	-0.28	54	38.53	34.62	11.18	30.61	193	72	A	V
		5206	112.36	-	-	97.06	34.7	11.23	30.63	193	72	P	V
		5206	105.71	-	-	90.41	34.7	11.23	30.63	193	72	A	V
		5369.58	57.39	-16.61	74	41.98	34.7	11.4	30.69	193	72	P	V
		5360.76	47.8	-6.2	54	32.39	34.7	11.4	30.69	193	72	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5126.4	58.39	-15.61	74	43.23	34.6	11.16	30.6	262	325	P	H
		5133.44	48.96	-5.04	54	33.81	34.6	11.16	30.61	262	325	A	H
		5254	118.73	-	-	103.4	34.7	11.28	30.65	262	325	P	H
		5254	113.03	-	-	97.7	34.7	11.28	30.65	262	325	A	H
		5106.08	60.81	-13.19	74	45.68	34.58	11.15	30.6	201	98	P	V
		5147.2	51.56	-2.44	54	36.37	34.62	11.18	30.61	201	98	A	V
		5260	124.26	-	-	108.91	34.7	11.3	30.65	201	98	P	V
		5260	117.8	-	-	102.45	34.7	11.3	30.65	201	98	A	V
802.11a CH 56 5280MHz		5139.84	58.49	-15.51	74	43.3	34.62	11.18	30.61	259	329	P	H
		5140.64	48.82	-5.18	54	33.63	34.62	11.18	30.61	259	329	A	H
		5284	119.49	-	-	104.13	34.7	11.31	30.65	259	329	P	H
		5284	113	-	-	97.64	34.7	11.31	30.65	259	329	A	H
		5350.6	59.21	-14.79	74	43.81	34.7	11.38	30.68	259	329	P	H
		5355.2	48.84	-5.16	54	33.44	34.7	11.38	30.68	259	329	A	H
		5126.4	59.97	-14.03	74	44.81	34.6	11.16	30.6	239	293	P	V
		5139.2	50.05	-3.95	54	34.9	34.6	11.16	30.61	239	293	A	V
		5278	122.43	-	-	107.07	34.7	11.31	30.65	239	293	P	V
		5278	116.78	-	-	101.42	34.7	11.31	30.65	239	293	A	V
		5359.9	62.77	-11.23	74	47.37	34.7	11.38	30.68	239	293	P	V
		5350.9	53.47	-0.53	54	38.07	34.7	11.38	30.68	239	293	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 60 5300MHz		5147.52	56.95	-17.05	74	41.76	34.62	11.18	30.61	285	140	P	H
		5133.6	47.67	-6.33	54	32.52	34.6	11.16	30.61	285	140	A	H
		5296	116.02	-	-	100.65	34.7	11.33	30.66	285	140	P	H
		5296	109.06	-	-	93.69	34.7	11.33	30.66	285	140	A	H
		5353.8	57.92	-16.08	74	42.52	34.7	11.38	30.68	285	140	P	H
		5352.7	47.59	-6.41	54	32.19	34.7	11.38	30.68	285	140	A	H
		5143.52	59.63	-14.37	74	44.44	34.62	11.18	30.61	182	99	P	V
		5140.96	50.46	-3.54	54	35.27	34.62	11.18	30.61	182	99	A	V
		5302	122.34	-	-	106.97	34.7	11.33	30.66	182	99	P	V
		5302	115.37	-	-	100	34.7	11.33	30.66	182	99	A	V
		5350.2	65.9	-8.1	74	50.5	34.7	11.38	30.68	182	99	P	V
		5351	52.7	-1.3	54	37.3	34.7	11.38	30.68	182	99	A	V
802.11a CH 64 5320MHz		5353.7	60.87	-13.13	74	45.47	34.7	11.38	30.68	177	316	P	H
		5352.8	49.16	-4.84	54	33.76	34.7	11.38	30.68	177	316	A	H
		5320	114.24	-	-	98.86	34.7	11.35	30.67	177	316	P	H
		5320	106.99	-	-	91.61	34.7	11.35	30.67	177	316	A	H
		5350	67.03	-6.97	74	51.63	34.7	11.38	30.68	181	75	P	V
		5350.6	53.61	-0.39	54	38.21	34.7	11.38	30.68	181	75	A	V
		5320	118.98	-	-	103.6	34.7	11.35	30.67	181	75	P	V
		5320	112.73	-	-	97.35	34.7	11.35	30.67	181	75	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	47.83	-20.47	68.3	54.5	37.71	16.27	60.65	300	0	P	H
		15780	59.79	-14.21	74	58.93	40.6	19.99	59.73	100	337	P	H
		15780	49.93	-4.07	54	49.07	40.6	19.99	59.73	100	337	A	H
		10520	44.31	-23.99	68.3	50.98	37.71	16.27	60.65	300	0	P	V
		15780	63.64	-10.36	74	62.78	40.6	19.99	59.73	194	250	P	V
		15780	52.84	-1.16	54	51.98	40.6	19.99	59.73	194	250	A	V
802.11a CH 56 5280MHz		10564	44.77	-23.53	68.3	51.35	37.73	16.32	60.63	214	337	P	H
		15840	61.36	-12.64	74	60.32	40.72	20.03	59.71	214	337	P	H
		15840	50.16	-3.84	54	49.12	40.72	20.03	59.71	214	337	A	H
		10564	42.99	-25.31	68.3	49.57	37.73	16.32	60.63	196	251	P	V
		15833	66.43	-7.57	74	65.39	40.72	20.03	59.71	196	251	P	V
		15833	53.68	-0.32	54	52.64	40.72	20.03	59.71	196	251	A	V
802.11a CH 60 5300MHz		10600	49.81	-24.19	74	56.35	37.74	16.35	60.63	300	0	P	H
		15894	59.71	-14.29	74	58.53	40.81	20.06	59.69	216	332	P	H
		15894	50.72	-3.28	54	49.54	40.81	20.06	59.69	216	332	A	H
		10600	47.79	-26.21	74	54.33	37.74	16.35	60.63	300	0	P	V
		15912	62.45	-11.55	74	61.22	40.84	20.07	59.68	224	257	P	V
		15912	53.42	-0.58	54	52.19	40.84	20.07	59.68	224	257	A	V
802.11a CH 64 5320MHz		10638.63	43.73	-30.27	74	50.2	37.76	16.39	60.62	300	0	P	H
		10638.63	43.5	-30.5	74	49.97	37.76	16.39	60.62	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5147.84	57.7	-16.3	74	42.51	34.62	11.18	30.61	318	128	P	H
		5131.52	48.72	-5.28	54	33.56	34.6	11.16	30.6	318	128	A	H
	*	5260	117.2	-	-	101.85	34.7	11.3	30.65	318	128	P	H
		5260	110.8	-	-	95.45	34.7	11.3	30.65	318	128	A	H
		5141.76	60.66	-13.34	74	45.47	34.62	11.18	30.61	201	105	P	V
		5148.48	52.34	-1.66	54	37.15	34.62	11.18	30.61	201	105	A	V
	*	5260	123.41	-	-	108.06	34.7	11.3	30.65	201	105	P	V
		5260	117.13	-	-	101.78	34.7	11.3	30.65	201	105	A	V
802.11n HT20 CH 56 5280MHz		5141.6	59.64	-14.36	74	44.45	34.62	11.18	30.61	277	327	P	H
		5142.4	49.37	-4.63	54	34.18	34.62	11.18	30.61	277	327	A	H
	*	5278	118.85	-	-	103.49	34.7	11.31	30.65	277	327	P	H
		5278	112.46	-	-	97.1	34.7	11.31	30.65	277	327	A	H
		5351.1	59.56	-14.44	74	44.16	34.7	11.38	30.68	277	327	P	H
		5351.4	49.47	-4.53	54	34.07	34.7	11.38	30.68	277	327	A	H
		5115.52	63.08	-10.92	74	47.95	34.58	11.15	30.6	188	70	P	V
		5120.48	52.23	-1.77	54	37.1	34.58	11.15	30.6	188	70	A	V
	*	5278	123.73	-	-	108.37	34.7	11.31	30.65	188	70	P	V
		5278	117.46	-	-	102.1	34.7	11.31	30.65	188	70	A	V
		5350	64.68	-9.32	74	49.28	34.7	11.38	30.68	188	70	P	V
		5350	53.77	-0.23	54	38.37	34.7	11.38	30.68	188	70	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 60 5300MHz		5103.2	57.82	-16.18	74	42.74	34.55	11.13	30.6	285	137	P	H
		5145.12	47.98	-6.02	54	32.79	34.62	11.18	30.61	285	137	A	H
	*	5302	115.21	-	-	99.84	34.7	11.33	30.66	285	137	P	H
		5302	109.09	-	-	93.72	34.7	11.33	30.66	285	137	A	H
		5351.2	59.91	-14.09	74	44.51	34.7	11.38	30.68	285	137	P	H
		5351.3	49.72	-4.28	54	34.32	34.7	11.38	30.68	285	137	A	H
		5139.52	59.99	-14.01	74	44.8	34.62	11.18	30.61	196	76	P	V
		5141.6	50.69	-3.31	54	35.5	34.62	11.18	30.61	196	76	A	V
	*	5296	121.42	-	-	106.05	34.7	11.33	30.66	196	76	P	V
		5296	114.88	-	-	99.51	34.7	11.33	30.66	196	76	A	V
		5353.5	65.5	-8.5	74	50.1	34.7	11.38	30.68	196	76	P	V
		5351.4	53.58	-0.42	54	38.18	34.7	11.38	30.68	196	76	A	V
802.11n HT20 CH 64 5320MHz		5350.6	59.86	-14.14	74	44.46	34.7	11.38	30.68	257	318	P	H
		5350.5	50.61	-3.39	54	35.21	34.7	11.38	30.68	257	318	A	H
	*	5326	112.16	-	-	96.78	34.7	11.35	30.67	257	318	P	H
		5326	105.05	-	-	89.67	34.7	11.35	30.67	257	318	A	H
		5351.4	64.08	-9.92	74	48.68	34.7	11.38	30.68	180	280	P	V
		5351.3	53.14	-0.86	54	37.74	34.7	11.38	30.68	180	280	A	V
	*	5320	117.14	-	-	101.76	34.7	11.35	30.67	180	280	P	V
		5320	110.36	-	-	94.98	34.7	11.35	30.67	180	280	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	46.83	-21.47	68.3	53.5	37.71	16.27	60.65	300	0	P	H
		15780	60.2	-13.8	74	59.34	40.6	19.99	59.73	101	338	P	H
		15780	47.69	-6.31	54	46.83	40.6	19.99	59.73	101	338	A	H
		10520	43.93	-24.37	68.3	50.6	37.71	16.27	60.65	300	0	P	V
		15780	64.69	-9.31	74	63.83	40.6	19.99	59.73	194	246	P	V
		15780	53.48	-0.52	54	52.62	40.6	19.99	59.73	194	246	A	V
802.11n HT20 CH 56 5280MHz		10560	45.15	-23.15	68.3	51.76	37.72	16.31	60.64	300	0	P	H
		15840	59.12	-14.88	74	58.08	40.72	20.03	59.71	100	332	P	H
		15840	49.25	-4.75	54	48.21	40.72	20.03	59.71	100	332	A	H
		10560	43.96	-24.34	68.3	50.57	37.72	16.31	60.64	300	0	P	V
		15840	63.21	-10.79	74	62.17	40.72	20.03	59.71	194	244	P	V
		15840	53.01	-0.99	54	51.97	40.72	20.03	59.71	194	244	A	V
802.11n HT20 CH 60 5300MHz		10600	45.36	-28.64	74	51.9	37.74	16.35	60.63	100	360	P	H
		15900	59.35	-14.65	74	58.17	40.81	20.06	59.69	217	336	P	H
		15900	49.09	-4.91	54	47.91	40.81	20.06	59.69	217	336	A	H
		10600	46.13	-27.87	74	52.67	37.74	16.35	60.63	100	360	P	V
		15900	63.51	-10.49	74	62.33	40.81	20.06	59.69	219	263	P	V
		15900	52.09	-1.91	54	50.91	40.81	20.06	59.69	219	263	A	V
802.11n HT20 CH 64 5320MHz		10640	43.74	-30.26	74	50.21	37.76	16.39	60.62	300	0	P	H
		10640	43.94	-30.06	74	50.41	37.76	16.39	60.62	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5124.48	58.31	-15.69	74	43.15	34.6	11.16	30.6	277	328	P	H
		5147.2	48.91	-5.09	54	33.72	34.62	11.18	30.61	277	328	A	H
	*	5272	112.78	-	-	97.43	34.7	11.3	30.65	277	328	P	H
		5272	106.69	-	-	91.34	34.7	11.3	30.65	277	328	A	H
		5354	60.3	-13.7	74	44.9	34.7	11.38	30.68	277	328	P	H
		5351.4	49.46	-4.54	54	34.06	34.7	11.38	30.68	277	328	A	H
		5128	60.21	-13.79	74	45.05	34.6	11.16	30.6	196	274	P	V
		5148	51.16	-2.84	54	35.97	34.62	11.18	30.61	196	274	A	V
	*	5266	117.96	-	-	102.61	34.7	11.3	30.65	196	274	P	V
		5266	111.11	-	-	95.76	34.7	11.3	30.65	196	274	A	V
		5351.2	63.88	-10.12	74	48.48	34.7	11.38	30.68	196	274	P	V
		5350.2	53.34	-0.66	54	37.94	34.7	11.38	30.68	196	274	A	V
802.11n HT40 CH 62 5310MHz		5122.56	58.08	-15.92	74	42.92	34.6	11.16	30.6	249	328	P	H
		5134.08	48.18	-5.82	54	33.03	34.6	11.16	30.61	249	328	A	H
	*	5308	106.42	-	-	91.06	34.7	11.33	30.67	249	328	P	H
		5308	100.1	-	-	84.74	34.7	11.33	30.67	249	328	A	H
		5351.2	57.35	-16.65	74	41.95	34.7	11.38	30.68	249	328	P	H
		5351.3	49.06	-4.94	54	33.66	34.7	11.38	30.68	249	328	A	H
		5140.96	58.82	-15.18	74	43.63	34.62	11.18	30.61	181	70	P	V
		5144	49.02	-4.98	54	33.83	34.62	11.18	30.61	181	70	A	V
	*	5314	112.36	-	-	96.98	34.7	11.35	30.67	181	70	P	V
		5314	105.3	-	-	89.92	34.7	11.35	30.67	181	70	A	V
		5352.3	60.79	-13.21	74	45.39	34.7	11.38	30.68	181	70	P	V
		5350	53.08	-0.92	54	37.68	34.7	11.38	30.68	181	70	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10538.54	44.18	-24.12	68.3	50.82	37.71	16.29	60.64	300	0	P	H
		15810	53.66	-20.34	74	52.71	40.66	20.01	59.72	292	321	P	H
		15810	47.64	-6.36	54	46.69	40.66	20.01	59.72	292	321	A	H
		10538.54	44.23	-24.07	68.3	50.87	37.71	16.29	60.64	300	0	P	V
		15810	61.65	-12.35	74	60.7	40.66	20.01	59.72	195	257	P	V
		15810	52.62	-1.38	54	51.67	40.66	20.01	59.72	195	257	A	V
802.11n HT40 CH 62 5310MHz		10620	44.17	-29.83	74	50.67	37.75	16.37	60.62	300	0	P	H
		10620	44.83	-29.17	74	51.33	37.75	16.37	60.62	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5133.6	56.52	-17.48	74	41.37	34.6	11.16	30.61	276	323	P	H
		5117.92	48	-6	54	32.87	34.58	11.15	30.6	276	323	A	H
	*	5278	100.72	-	-	85.36	34.7	11.31	30.65	276	323	P	H
		5278	93.69	-	-	78.33	34.7	11.31	30.65	276	323	A	H
		5350.7	57.76	-16.24	74	42.36	34.7	11.38	30.68	276	323	P	H
		5350	49.47	-4.53	54	34.07	34.7	11.38	30.68	276	323	A	H
		5136	57.12	-16.88	74	41.97	34.6	11.16	30.61	188	102	P	V
		5125.44	48.71	-5.29	54	33.55	34.6	11.16	30.6	188	102	A	V
	*	5290	105.77	-	-	90.42	34.7	11.31	30.66	188	102	P	V
		5290	99.58	-	-	84.23	34.7	11.31	30.66	188	102	A	V
		5350.7	59.91	-14.09	74	44.51	34.7	11.38	30.68	188	102	P	V
		5350.9	53.65	-0.35	54	38.25	34.7	11.38	30.68	188	102	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80		10580	44.13	-24.17	68.3	50.69	37.73	16.34	60.63	300	0	P	H
CH 58 5290MHz		10580	43.56	-24.74	68.3	50.12	37.73	16.34	60.63	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 52 5260MHz		5105.6	58.18	-15.82	74	43.05	34.58	11.15	30.6	265	331	P	H
		5144	49.4	-4.6	54	34.21	34.62	11.18	30.61	265	331	A	H
		5260	119.46	-	-	104.11	34.7	11.3	30.65	265	331	P	H
		5260	112.38	-	-	97.03	34.7	11.3	30.65	265	331	A	H
		5361.3	57.62	-16.38	74	42.21	34.7	11.4	30.69	265	331	P	H
		5351.2	48.79	-5.21	54	33.39	34.7	11.38	30.68	265	331	A	H
		5115.04	62.51	-11.49	74	47.38	34.58	11.15	30.6	171	254	P	V
		5139.2	52.41	-1.59	54	37.26	34.6	11.16	30.61	171	254	A	V
		5260	122.67	-	-	107.32	34.7	11.3	30.65	171	254	P	V
		5260	115.38	-	-	100.03	34.7	11.3	30.65	171	254	A	V
		5359.6	61.1	-12.9	74	45.7	34.7	11.38	30.68	171	254	P	V
		5364.2	51.35	-2.65	54	35.94	34.7	11.4	30.69	171	254	A	V
802.11ax HE20 Full CH 56 5280MHz		5148.96	58.05	-15.95	74	42.86	34.62	11.18	30.61	252	322	P	H
		5123.36	48.67	-5.33	54	33.51	34.6	11.16	30.6	252	322	A	H
		5278	117.51	-	-	102.15	34.7	11.31	30.65	252	322	P	H
		5278	110.18	-	-	94.82	34.7	11.31	30.65	252	322	A	H
		5356.5	59.01	-14.99	74	43.61	34.7	11.38	30.68	252	322	P	H
		5350.2	49.6	-4.4	54	34.2	34.7	11.38	30.68	252	322	A	H
		5129.28	60.35	-13.65	74	45.19	34.6	11.16	30.6	184	74	P	V
		5149.12	51.43	-2.57	54	36.24	34.62	11.18	30.61	184	74	A	V
		5284	123.12	-	-	107.76	34.7	11.31	30.65	184	74	P	V
		5284	116.63	-	-	101.27	34.7	11.31	30.65	184	74	A	V
		5351.2	63	-11	74	47.6	34.7	11.38	30.68	184	74	P	V
		5351.3	53.46	-0.54	54	38.06	34.7	11.38	30.68	184	74	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 60 5300MHz		5141.76	58.24	-15.76	74	43.05	34.62	11.18	30.61	318	330	P	H
		5138.4	48.44	-5.56	54	33.29	34.6	11.16	30.61	318	330	A	H
		5302	116.01	-	-	100.64	34.7	11.33	30.66	318	330	P	H
		5302	108.39	-	-	93.02	34.7	11.33	30.66	318	330	A	H
		5350.9	58.85	-15.15	74	43.45	34.7	11.38	30.68	318	330	P	H
		5351.5	48.4	-5.6	54	33	34.7	11.38	30.68	318	330	A	H
		5133.76	59.68	-14.32	74	44.53	34.6	11.16	30.61	183	294	P	V
		5126.08	50.41	-3.59	54	35.25	34.6	11.16	30.6	183	294	A	V
		5302	120.96	-	-	105.59	34.7	11.33	30.66	183	294	P	V
		5302	113.4	-	-	98.03	34.7	11.33	30.66	183	294	A	V
		5351.8	62.2	-11.8	74	46.8	34.7	11.38	30.68	183	294	P	V
		5351.6	53.31	-0.69	54	37.91	34.7	11.38	30.68	183	294	A	V
802.11ax HE20 Full CH 64 5320MHz		5350.4	62.7	-11.3	74	47.3	34.7	11.38	30.68	245	322	P	H
		5350	49.92	-4.08	54	34.52	34.7	11.38	30.68	245	322	A	H
		5320	111.09	-	-	95.71	34.7	11.35	30.67	245	322	P	H
		5320	103.97	-	-	88.59	34.7	11.35	30.67	245	322	A	H
		5354.1	62.93	-11.07	74	47.53	34.7	11.38	30.68	202	278	P	V
		5350.9	53.24	-0.76	54	37.84	34.7	11.38	30.68	202	278	A	V
		5320	115.15	-	-	99.77	34.7	11.35	30.67	202	278	P	V
		5320	108.71	-	-	93.33	34.7	11.35	30.67	202	278	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 52 5260MHz		10518.52	46.05	-22.25	68.3	52.72	37.71	16.27	60.65	300	0	P	H
		15780	57.31	-16.69	74	56.45	40.6	19.99	59.73	294	323	P	H
		15780	48.99	-5.01	54	48.13	40.6	19.99	59.73	294	323	A	H
		10518.52	44.13	-24.17	68.3	50.8	37.71	16.27	60.65	300	0	P	V
		15780	63.19	-10.81	74	62.33	40.6	19.99	59.73	193	248	P	V
		15780	53.6	-0.4	54	52.74	40.6	19.99	59.73	193	248	A	V
802.11ax HE20 Full CH 56 5280MHz		10558.55	44.31	-23.99	68.3	50.92	37.72	16.31	60.64	300	0	P	H
		15840	58.54	-15.46	74	57.5	40.72	20.03	59.71	227	334	P	H
		15840	48.36	-5.64	54	47.32	40.72	20.03	59.71	227	334	A	H
		10558.55	44.3	-24	68.3	50.91	37.72	16.31	60.64	300	0	P	V
		15840	60.93	-13.07	74	59.89	40.72	20.03	59.71	193	260	P	V
		15840	51.17	-2.83	54	50.13	40.72	20.03	59.71	193	260	A	V
802.11ax HE20 Full CH 60 5300MHz		10600	46.46	-27.54	74	53	37.74	16.35	60.63	300	0	P	H
		15894	55.18	-18.82	74	54	40.81	20.06	59.69	285	323	P	H
		15894	45.53	-8.47	54	44.35	40.81	20.06	59.69	285	323	A	H
		10600	46.81	-27.19	74	53.35	37.74	16.35	60.63	300	0	P	V
		15900	62.92	-11.08	74	61.74	40.81	20.06	59.69	223	250	P	V
		15900	53.03	-0.97	54	51.85	40.81	20.06	59.69	223	250	A	V
802.11ax HE20 Full CH 64 5320MHz		10640	43.72	-30.28	74	50.19	37.76	16.39	60.62	300	0	P	H
		10640	43.53	-30.47	74	50	37.76	16.39	60.62	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

WIFI 802.11ax HE20 Partial 26(Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 52 5260MHz		5100.64	56.9	-17.1	74	41.82	34.55	11.13	30.6	125	324	P	H
		5114.08	47.37	-6.63	54	32.24	34.58	11.15	30.6	125	324	A	H
		5254	115.43	-	-	100.1	34.7	11.28	30.65	125	324	P	H
		5254	109.73	-	-	94.4	34.7	11.28	30.65	125	324	A	H
		5143.2	57.55	-16.45	74	42.36	34.62	11.18	30.61	196	97	P	V
		5144.64	48.32	-5.68	54	33.13	34.62	11.18	30.61	196	97	A	V
		5254	122.01	-	-	106.68	34.7	11.28	30.65	196	97	P	V
		5254	115.11	-	-	99.78	34.7	11.28	30.65	196	97	A	V
802.11ax HE20 Partial 26/8 CH 64 5320MHz		5358.7	60.19	-13.81	74	44.79	34.7	11.38	30.68	259	323	P	H
		5361.9	47.01	-6.99	54	31.6	34.7	11.4	30.69	259	323	A	H
		5326	116.73	-	-	101.35	34.7	11.35	30.67	259	323	P	H
		5326	109.2	-	-	93.82	34.7	11.35	30.67	259	323	A	H
		5356.7	63.59	-10.41	74	48.19	34.7	11.38	30.68	185	77	P	V
		5360.4	49.3	-4.7	54	33.9	34.7	11.38	30.68	185	77	A	V
		5326	120.89	-	-	105.51	34.7	11.35	30.67	185	77	P	V
		5326	114.46	-	-	99.08	34.7	11.35	30.67	185	77	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 52/37 CH52 5260MHz		5111.2	57.54	-16.46	74	42.41	34.58	11.15	30.6	263	325	P	H
		5142.72	48.37	-5.63	54	33.18	34.62	11.18	30.61	263	325	A	H
		5254	118.83	-	-	103.5	34.7	11.28	30.65	263	325	P	H
		5254	111.68	-	-	96.35	34.7	11.28	30.65	263	325	A	H
		5112.64	60.21	-13.79	74	45.08	34.58	11.15	30.6	195	102	P	V
		5148.48	50.24	-3.76	54	35.05	34.62	11.18	30.61	195	102	A	V
		5254	121.67	-	-	106.34	34.7	11.28	30.65	195	102	P	V
		5254	116.35	-	-	101.02	34.7	11.28	30.65	195	102	A	V
802.11ax HE20 Partial 52/40 CH 64 5320MHz		5360.9	59.86	-14.14	74	44.45	34.7	11.4	30.69	216	321	P	H
		5350.6	48.57	-5.43	54	33.17	34.7	11.38	30.68	216	321	A	H
		5326	117.09	-	-	101.71	34.7	11.35	30.67	216	321	P	H
		5326	109.22	-	-	93.84	34.7	11.35	30.67	216	321	A	H
		5353.5	63.29	-10.71	74	47.89	34.7	11.38	30.68	178	282	P	V
		5351.5	52.21	-1.79	54	36.81	34.7	11.38	30.68	178	282	A	V
		5326	124.39	-	-	109.01	34.7	11.35	30.67	178	282	P	V
		5326	115.12	-	-	99.74	34.7	11.35	30.67	178	282	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 52 5260MHz		5125.76	57.86	-16.14	74	42.7	34.6	11.16	30.6	138	332	P	H
		5122.4	48.83	-5.17	54	33.7	34.58	11.15	30.6	138	332	A	H
		5260	118.98	-	-	103.63	34.7	11.3	30.65	138	332	P	H
		5260	112.19	-	-	96.84	34.7	11.3	30.65	138	332	A	H
		5149.92	60.55	-13.45	74	45.36	34.62	11.18	30.61	187	261	P	V
		5138.08	51.36	-2.64	54	36.21	34.6	11.16	30.61	187	261	A	V
		5254	123.24	-	-	107.91	34.7	11.28	30.65	187	261	P	V
		5254	117.24	-	-	101.91	34.7	11.28	30.65	187	261	A	V
802.11ax HE20 Partial 106/54 CH 64 5320MHz		5399.1	55.62	-18.38	74	40.19	34.7	11.43	30.7	205	283	P	H
		5375	45.98	-8.02	54	30.57	34.7	11.4	30.69	205	283	A	H
		5326	105.83	-	-	90.45	34.7	11.35	30.67	205	283	P	H
		5326	99	-	-	83.62	34.7	11.35	30.67	205	283	A	H
		5350.2	62.61	-11.39	74	47.21	34.7	11.38	30.68	191	101	P	V
		5351.3	53.16	-0.84	54	37.76	34.7	11.38	30.68	191	101	A	V
		5326	121.6	-	-	106.22	34.7	11.35	30.67	191	101	P	V
		5326	114.18	-	-	98.8	34.7	11.35	30.67	191	101	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 54 5270MHz		5108.16	58.28	-15.72	74	43.15	34.58	11.15	30.6	301	132	P	H
		5142.08	48.88	-5.12	54	33.69	34.62	11.18	30.61	301	132	A	H
		5266	112.32	-	-	96.97	34.7	11.3	30.65	301	132	P	H
		5266	104.54	-	-	89.19	34.7	11.3	30.65	301	132	A	H
		5355.8	59.79	-14.21	74	44.39	34.7	11.38	30.68	301	132	P	H
		5352.5	49.18	-4.82	54	33.78	34.7	11.38	30.68	301	132	A	H
		5127.04	59.96	-14.04	74	44.8	34.6	11.16	30.6	194	101	P	V
		5149.28	50.99	-3.01	54	35.8	34.62	11.18	30.61	194	101	A	V
		5272	118.22	-	-	102.87	34.7	11.3	30.65	194	101	P	V
		5272	110.6	-	-	95.25	34.7	11.3	30.65	194	101	A	V
		5365.2	64.74	-9.26	74	49.33	34.7	11.4	30.69	194	101	P	V
		5352	53.53	-0.47	54	38.13	34.7	11.38	30.68	194	101	A	V
802.11ax HE40 Full CH 62 5310MHz		5147.04	56.7	-17.3	74	41.51	34.62	11.18	30.61	274	326	P	H
		5132.48	47.9	-6.1	54	32.74	34.6	11.16	30.6	274	326	A	H
		5308	107.08	-	-	91.72	34.7	11.33	30.67	274	326	P	H
		5308	99.27	-	-	83.91	34.7	11.33	30.67	274	326	A	H
		5350.2	58.78	-15.22	74	43.38	34.7	11.38	30.68	274	326	P	H
		5350.2	49.96	-4.04	54	34.56	34.7	11.38	30.68	274	326	A	H
		5119.52	58.34	-15.66	74	43.21	34.58	11.15	30.6	194	102	P	V
		5143.84	48.54	-5.46	54	33.35	34.62	11.18	30.61	194	102	A	V
		5308	112.31	-	-	96.95	34.7	11.33	30.67	194	102	P	V
		5308	104.64	-	-	89.28	34.7	11.33	30.67	194	102	A	V
		5351.1	60.48	-13.52	74	45.08	34.7	11.38	30.68	194	102	P	V
		5350.9	53.3	-0.7	54	37.9	34.7	11.38	30.68	194	102	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 54 5270MHz		10538.54	46.22	-22.08	68.3	52.86	37.71	16.29	60.64	300	0	P	H
		15816	57.38	-16.62	74	56.38	40.69	20.02	59.71	291	326	P	H
		15816	46.61	-7.39	54	45.61	40.69	20.02	59.71	291	326	A	H
		10538.54	44.62	-23.68	68.3	51.26	37.71	16.29	60.64	300	0	P	V
		15816	64.58	-9.42	74	63.58	40.69	20.02	59.71	195	251	P	V
		15816	52.92	-1.08	54	51.92	40.69	20.02	59.71	195	251	A	V
802.11ax HE40 Full CH 62 5310MHz		10618.62	43.93	-30.07	74	50.43	37.75	16.37	60.62	300	0	P	H
		10618.62	44.48	-29.52	74	50.98	37.75	16.37	60.62	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 54 5270MHz		5149.6	57.5	-16.5	74	42.31	34.62	11.18	30.61	146	325	P	H
		5149.76	49.2	-4.8	54	34.01	34.62	11.18	30.61	146	325	A	H
		5272	115.81	-	-	100.46	34.7	11.3	30.65	146	325	P	H
		5272	108.74	-	-	93.39	34.7	11.3	30.65	146	325	A	H
		5353.3	58.27	-15.73	74	42.87	34.7	11.38	30.68	146	325	P	H
		5353.6	49.26	-4.74	54	33.86	34.7	11.38	30.68	146	325	A	H
		5144.16	59.53	-14.47	74	44.34	34.62	11.18	30.61	193	107	P	V
		5145.76	51.35	-2.65	54	36.16	34.62	11.18	30.61	193	107	A	V
		5266	119.49	-	-	104.14	34.7	11.3	30.65	193	107	P	V
		5266	113.72	-	-	98.37	34.7	11.3	30.65	193	107	A	V
		5360.2	64.94	-9.06	74	49.54	34.7	11.38	30.68	193	107	P	V
		5354.7	53.47	-0.53	54	38.07	34.7	11.38	30.68	193	107	A	V
802.11ax HE40 Partial 242/62 CH 62 5310MHz		5112.96	56.36	-17.64	74	41.23	34.58	11.15	30.6	275	324	P	H
		5134.72	47.91	-6.09	54	32.76	34.6	11.16	30.61	275	324	A	H
		5314	109.98	-	-	94.6	34.7	11.35	30.67	275	324	P	H
		5314	103.05	-	-	87.67	34.7	11.35	30.67	275	324	A	H
		5359.7	56	-18	74	40.6	34.7	11.38	30.68	275	324	P	H
		5353.1	47.69	-6.31	54	32.29	34.7	11.38	30.68	275	324	A	H
		5148.96	57.02	-16.98	74	41.83	34.62	11.18	30.61	194	98	P	V
		5142.4	48.6	-5.4	54	33.41	34.62	11.18	30.61	194	98	A	V
		5314	115.32	-	-	99.94	34.7	11.35	30.67	194	98	P	V
		5314	107.92	-	-	92.54	34.7	11.35	30.67	194	98	A	V
		5353.8	63.52	-10.48	74	48.12	34.7	11.38	30.68	194	98	P	V
		5353.7	53.15	-0.85	54	37.75	34.7	11.38	30.68	194	98	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 58 5290MHz		5119.36	57	-17	74	41.87	34.58	11.15	30.6	240	323	P	H
		5145.44	48.28	-5.72	54	33.09	34.62	11.18	30.61	240	323	A	H
		5296	102.01	-	-	86.64	34.7	11.33	30.66	240	323	P	H
		5296	95.05	-	-	79.68	34.7	11.33	30.66	240	323	A	H
		5361.8	56.24	-17.76	74	40.83	34.7	11.4	30.69	240	323	P	H
		5351.1	48.98	-5.02	54	33.58	34.7	11.38	30.68	240	323	A	H
		5115.04	56.36	-17.64	74	41.23	34.58	11.15	30.6	184	103	P	V
		5101.12	48.51	-5.49	54	33.43	34.55	11.13	30.6	184	103	A	V
		5284	105.74	-	-	90.38	34.7	11.31	30.65	184	103	P	V
		5284	98.38	-	-	83.02	34.7	11.31	30.65	184	103	A	V
		5350.1	59.62	-14.38	74	44.22	34.7	11.38	30.68	184	103	P	V
		5350.1	53.8	-0.2	54	38.4	34.7	11.38	30.68	184	103	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full		10580	43.97	-24.33	68.3	50.53	37.73	16.34	60.63	100	360	P	H
CH 58 5290MHz		10580	42.83	-25.47	68.3	49.39	37.73	16.34	60.63	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/66 CH 58 5290MHz		5141.12	57.1	-16.9	74	41.91	34.62	11.18	30.61	208	319	P	H
		5122.08	48.1	-5.9	54	32.97	34.58	11.15	30.6	208	319	A	H
		5296	106.58	-	-	91.21	34.7	11.33	30.66	208	319	P	H
		5296	98.69	-	-	83.32	34.7	11.33	30.66	208	319	A	H
		5350	57.62	-16.38	74	42.22	34.7	11.38	30.68	208	319	P	H
		5353.3	49.05	-4.95	54	33.65	34.7	11.38	30.68	208	319	A	H
		5135.04	57.52	-16.48	74	42.37	34.6	11.16	30.61	180	103	P	V
		5136.8	49.06	-4.94	54	33.91	34.6	11.16	30.61	180	103	A	V
		5290	111.28	-	-	95.93	34.7	11.31	30.66	180	103	P	V
		5290	104.25	-	-	88.9	34.7	11.31	30.66	180	103	A	V
		5354.6	62.67	-11.33	74	47.27	34.7	11.38	30.68	180	103	P	V
		5354.8	53.32	-0.68	54	37.92	34.7	11.38	30.68	180	103	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5456.24	57.77	-16.23	74	42.31	34.7	11.48	30.72	361	161	P	H
		5467.28	63.55	-4.75	68.3	48.07	34.7	11.5	30.72	361	161	P	H
		5460	48.59	-5.41	54	33.13	34.7	11.48	30.72	361	161	A	H
		5500	113.4	-	-	97.9	34.7	11.53	30.73	361	161	P	H
		5500	107.1	-	-	91.6	34.7	11.53	30.73	361	161	A	H
		5454.32	63.92	-10.08	74	48.45	34.7	11.48	30.71	185	283	P	V
		5469.52	67.64	-0.66	68.3	52.16	34.7	11.5	30.72	185	283	P	V
		5459.28	52.6	-1.4	54	37.14	34.7	11.48	30.72	185	283	A	V
		5500	118.78	-	-	103.28	34.7	11.53	30.73	185	283	P	V
		5500	112.56	-	-	97.06	34.7	11.53	30.73	185	283	A	V
802.11a CH 104 5520MHz		5459.76	59.06	-14.94	74	43.6	34.7	11.48	30.72	339	163	P	H
		5469.04	62.24	-6.06	68.3	46.76	34.7	11.5	30.72	339	163	P	H
		5459.28	49.8	-4.2	54	34.34	34.7	11.48	30.72	339	163	A	H
		5518	116.92	-	-	101.41	34.7	11.55	30.74	339	163	P	H
		5518	109.57	-	-	94.06	34.7	11.55	30.74	339	163	A	H
		5459.76	62.48	-11.52	74	47.02	34.7	11.48	30.72	181	292	P	V
		5469.68	66.28	-2.02	68.3	50.8	34.7	11.5	30.72	181	292	P	V
		5459.98	53.8	-0.2	54	38.34	34.7	11.48	30.72	181	292	A	V
		5524	122.91	-	-	107.4	34.7	11.55	30.74	181	292	P	V
		5524	115.52	-	-	100.01	34.7	11.55	30.74	181	292	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 116 5580MHz		5390.8	57.67	-16.33	74	42.25	34.7	11.41	30.69	301	148	P	H
		5463.76	57.65	-10.65	68.3	42.17	34.7	11.5	30.72	301	148	P	H
		5452.88	48.68	-5.32	54	33.21	34.7	11.48	30.71	301	148	A	H
		5578	118.38	-	-	102.84	34.7	11.6	30.76	301	148	P	H
		5578	111.65	-	-	96.11	34.7	11.6	30.76	301	148	A	H
		5726.92	57.43	-10.87	68.3	41.42	35.08	11.75	30.82	301	148	P	H
		5458	62.14	-11.86	74	46.68	34.7	11.48	30.72	184	115	P	V
		5460.56	61.84	-6.46	68.3	46.38	34.7	11.48	30.72	184	115	P	V
		5458.48	52.36	-1.64	54	36.9	34.7	11.48	30.72	184	115	A	V
		5578	124.81	-	-	109.27	34.7	11.6	30.76	184	115	P	V
		5578	118.92	-	-	103.38	34.7	11.6	30.76	184	115	A	V
		5730.28	59.93	-8.37	68.3	43.92	35.08	11.75	30.82	184	115	P	V
802.11a CH 132 5660MHz		5728.28	58.54	-9.76	68.3	42.53	35.08	11.75	30.82	300	157	P	H
		5662	119.3	-	-	103.54	34.86	11.68	30.78	300	157	P	H
		5662	112.22	-	-	96.46	34.86	11.68	30.78	300	157	A	H
		5727.4	67.43	-0.87	68.3	51.42	35.08	11.75	30.82	179	115	P	V
		5656	124.79	-	-	109.03	34.86	11.68	30.78	179	115	P	V
		5656	117.32	-	-	101.56	34.86	11.68	30.78	179	115	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 136 5680MHz		5726.2	58.14	-10.16	68.3	42.13	35.08	11.75	30.82	300	15	P	H
		5680	115.23	-	-	99.4	34.92	11.7	30.79	300	15	P	H
		5680	107.85	-	-	92.02	34.92	11.7	30.79	300	15	A	H
		5727.64	67.35	-0.95	68.3	51.34	35.08	11.75	30.82	177	114	P	V
		5680	123.03	-	-	107.2	34.92	11.7	30.79	177	114	P	V
		5680	115.83	-	-	100	34.92	11.7	30.79	177	114	A	V
802.11a CH 140 5700MHz		5726.04	57.14	-11.16	68.3	41.13	35.08	11.75	30.82	101	329	P	H
	*	5704	110.69	-	-	94.74	35.03	11.73	30.81	101	329	P	H
		5704	103.97	-	-	88.02	35.03	11.73	30.81	101	329	A	H
		5725.4	67.31	-0.99	68.3	51.3	35.08	11.75	30.82	182	80	P	V
	*	5698	117.7	-	-	101.82	34.97	11.71	30.8	182	80	P	V
		5698	110.79	-	-	94.91	34.97	11.71	30.8	182	80	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		10999	44.1	-29.9	74	50.02	37.9	16.72	60.54	300	0	P	H
		10999	44.07	-29.93	74	49.99	37.9	16.72	60.54	300	0	P	V
802.11a CH 104 5520MHz		11040	46.3	-27.7	74	52.14	37.93	16.76	60.53	100	0	P	H
		16559	62.61	-5.69	68.3	58.86	42.06	20.53	58.84	278	342	P	H
		11039.04	44.73	-29.27	74	50.57	37.93	16.76	60.53	300	0	P	V
		16560	62.6	-5.7	68.3	58.85	42.06	20.53	58.84	192	242	P	V
802.11a CH 116 5580MHz		11160	61.66	-12.34	74	67.31	38	16.85	60.5	189	97	P	H
		11160	50.47	-3.53	54	56.12	38	16.85	60.5	189	97	A	H
		16746	66.56	-1.74	68.3	62.18	42.29	20.66	58.57	310	309	P	H
		11164.16	49.81	-24.19	74	55.46	38	16.85	60.5	300	0	P	V
		16740	65.08	-3.22	68.3	60.7	42.29	20.66	58.57	193	256	P	V
802.11a CH 132 5660MHz		11319.31	56.55	-17.45	74	61.97	38.09	16.96	60.47	149	143	P	H
		11319.31	48.89	-5.11	54	54.31	38.09	16.96	60.47	149	143	A	H
		16980	65.47	-2.83	68.3	60.28	42.58	20.83	58.22	283	315	P	H
		11319.31	54.53	-19.47	74	59.95	38.09	16.96	60.47	100	69	P	V
		11319.31	45.61	-8.39	54	51.03	38.09	16.96	60.47	100	69	A	V
		16980	64.54	-3.76	68.3	59.35	42.58	20.83	58.22	191	242	P	V
802.11a CH 136 5680MHz		11359.36	52.43	-21.57	74	57.8	38.11	16.98	60.46	155	145	P	H
		11359.36	44.29	-9.71	54	49.66	38.11	16.98	60.46	155	145	A	H
		17040	50.71	-17.59	68.3	45.46	42.51	20.88	58.14	100	0	P	H
		11359.36	44.92	-29.08	74	50.29	38.11	16.98	60.46	300	0	P	V
		17040	51.33	-16.97	68.3	46.08	42.51	20.88	58.14	100	0	P	V
802.11a CH 140 5700MHz		11400	44.79	-29.21	74	50.08	38.14	17.02	60.45	300	0	P	H
		11400	44.34	-29.66	74	49.63	38.14	17.02	60.45	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5459.44	59.56	-14.44	74	44.1	34.7	11.48	30.72	328	173	P	H
		5469.68	62.58	-5.72	68.3	47.1	34.7	11.5	30.72	328	173	P	H
		5459.76	49.02	-4.98	54	33.56	34.7	11.48	30.72	328	173	A	H
	*	5500	112.1	-	-	96.6	34.7	11.53	30.73	328	173	P	H
		5500	104.85	-	-	89.35	34.7	11.53	30.73	328	173	A	H
		5451.28	62.29	-11.71	74	46.82	34.7	11.48	30.71	192	242	P	V
		5466.48	67.71	-0.59	68.3	52.23	34.7	11.5	30.72	192	242	P	V
		5459.28	52.14	-1.86	54	36.68	34.7	11.48	30.72	192	242	A	V
	*	5500	117.91	-	-	102.41	34.7	11.53	30.73	192	242	P	V
		5500	111.18	-	-	95.68	34.7	11.53	30.73	192	242	A	V
802.11n HT20 CH 104 5520MHz		5443.44	59.05	-14.95	74	43.6	34.7	11.46	30.71	357	151	P	H
		5469.2	60.99	-7.31	68.3	45.51	34.7	11.5	30.72	357	151	P	H
		5459.44	49.34	-4.66	54	33.88	34.7	11.48	30.72	357	151	A	H
	*	5518	115.12	-	-	99.61	34.7	11.55	30.74	357	151	P	H
		5518	109.45	-	-	93.94	34.7	11.55	30.74	357	151	A	H
		5456.56	63.2	-10.8	74	47.74	34.7	11.48	30.72	201	110	P	V
		5461.68	67.53	-0.77	68.3	52.07	34.7	11.48	30.72	201	110	P	V
		5458.8	53.84	-0.16	54	38.38	34.7	11.48	30.72	201	110	A	V
	*	5518	122.81	-	-	107.3	34.7	11.55	30.74	201	110	P	V
		5518	115.54	-	-	100.03	34.7	11.55	30.74	201	110	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 116 5580MHz		5437.04	58.38	-15.62	74	42.93	34.7	11.46	30.71	319	148	P	H
		5469.68	58.7	-9.6	68.3	43.22	34.7	11.5	30.72	319	148	P	H
		5452.08	48.18	-5.82	54	32.71	34.7	11.48	30.71	319	148	A	H
	*	5584	117.41	-	-	101.86	34.7	11.61	30.76	319	148	P	H
		5584	111.62	-	-	96.07	34.7	11.61	30.76	319	148	A	H
		5735.32	56.97	-11.33	68.3	40.89	35.14	11.76	30.82	319	148	P	H
		5457.52	63	-11	74	47.54	34.7	11.48	30.72	182	110	P	V
		5466.48	61.37	-6.93	68.3	45.89	34.7	11.5	30.72	182	110	P	V
		5459.12	52.97	-1.03	54	37.51	34.7	11.48	30.72	182	110	A	V
	*	5578	124.67	-	-	109.13	34.7	11.6	30.76	182	110	P	V
		5578	118.18	-	-	102.64	34.7	11.6	30.76	182	110	A	V
		5736.6	60.32	-7.98	68.3	44.24	35.14	11.76	30.82	182	110	P	V
802.11n HT20 CH 132 5660MHz		5446.16	56.73	-17.27	74	41.26	34.7	11.48	30.71	306	139	P	H
		5461.84	57.45	-10.85	68.3	41.99	34.7	11.48	30.72	306	139	P	H
		5441.04	47.58	-6.42	54	32.13	34.7	11.46	30.71	306	139	A	H
	*	5656	117.1	-	-	101.34	34.86	11.68	30.78	306	139	P	H
		5656	111.11	-	-	95.35	34.86	11.68	30.78	306	139	A	H
		5739.32	58.31	-9.99	68.3	42.23	35.14	11.76	30.82	306	139	P	H
		5436.72	60.08	-13.92	74	44.63	34.7	11.46	30.71	177	109	P	V
		5463.44	61.13	-7.17	68.3	45.65	34.7	11.5	30.72	177	109	P	V
		5457.68	50.81	-3.19	54	35.35	34.7	11.48	30.72	177	109	A	V
	*	5662	123.52	-	-	107.76	34.86	11.68	30.78	177	109	P	V
		5662	118.03	-	-	102.27	34.86	11.68	30.78	177	109	A	V
		5731.32	67.52	-0.78	68.3	51.51	35.08	11.75	30.82	177	109	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 136 5680MHz		5726.52	61.87	-6.43	68.3	45.86	35.08	11.75	30.82	265	140	P	H
		5680	115.22	-	-	99.39	34.92	11.7	30.79	265	140	P	H
		5680	108.43	-	-	92.6	34.92	11.7	30.79	265	140	A	H
		5725.32	67.48	-0.82	68.3	51.47	35.08	11.75	30.82	189	108	P	V
		5680	121.9	-	-	106.07	34.92	11.7	30.79	189	108	P	V
		5680	114.39	-	-	98.56	34.92	11.7	30.79	189	108	A	V
802.11n HT20 CH 140 5700MHz		5726.92	62.59	-5.71	68.3	46.58	35.08	11.75	30.82	261	139	P	H
	*	5704	110.86	-	-	94.91	35.03	11.73	30.81	261	139	P	H
		5704	103.01	-	-	87.06	35.03	11.73	30.81	261	139	A	H
		5733.72	67.61	-0.69	68.3	51.6	35.08	11.75	30.82	180	109	P	V
	*	5698	118.04	-	-	102.16	34.97	11.71	30.8	180	109	P	V
		5698	110.57	-	-	94.69	34.97	11.71	30.8	180	109	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	44	-30	74	49.92	37.9	16.72	60.54	300	0	P	H
		11000	43.54	-30.46	74	49.46	37.9	16.72	60.54	300	0	P	V
802.11n HT20 CH 104 5520MHz		11039.04	48.34	-25.66	74	54.18	37.93	16.76	60.53	300	0	P	H
		16560	61.02	-7.28	68.3	57.27	42.06	20.53	58.84	100	220	P	H
		11039.04	45.93	-28.07	74	51.77	37.93	16.76	60.53	300	0	P	V
		16554	64.42	-3.88	68.3	60.67	42.06	20.53	58.84	191	243	P	V
802.11n HT20 CH 116 5580MHz		11160	59.35	-14.65	74	65	38	16.85	60.5	187	97	P	H
		11160	48.78	-5.22	54	54.43	38	16.85	60.5	187	97	A	H
		16740	65.3	-3	68.3	60.92	42.29	20.66	58.57	283	313	P	H
		11160	50.37	-23.63	74	56.02	38	16.85	60.5	300	0	P	V
		16740	65.22	-3.08	68.3	60.84	42.29	20.66	58.57	193	256	P	V
802.11n HT20 CH 132 5660MHz		11319.31	59.66	-14.34	74	65.08	38.09	16.96	60.47	185	106	P	H
		11319.31	48.31	-5.69	54	53.73	38.09	16.96	60.47	185	106	A	H
		16980	64.41	-3.89	68.3	59.22	42.58	20.83	58.22	282	315	P	H
		11319.31	52.05	-21.95	74	57.47	38.09	16.96	60.47	100	63	P	V
		11319.31	44.26	-9.74	54	49.68	38.09	16.96	60.47	100	63	A	V
		16980	63.54	-4.76	68.3	58.35	42.58	20.83	58.22	192	242	P	V
802.11n HT20 CH 136 5680MHz		11359.36	48.14	-25.86	74	53.51	38.11	16.98	60.46	300	0	P	H
		17040	52.98	-15.32	68.3	47.73	42.51	20.88	58.14	100	0	P	H
		11359.36	45	-29	74	50.37	38.11	16.98	60.46	300	0	P	V
		17040	51.96	-16.34	68.3	46.71	42.51	20.88	58.14	100	0	P	V
802.11n HT20 CH 140 5700MHz		11400	44.59	-29.41	74	49.88	38.14	17.02	60.45	300	0	P	H
		11400	44.2	-29.8	74	49.49	38.14	17.02	60.45	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5412.08	58.73	-15.27	74	43.28	34.7	11.45	30.7	254	329	P	H
		5466.32	64.34	-3.96	68.3	48.86	34.7	11.5	30.72	254	329	P	H
		5458.8	49.02	-4.98	54	33.56	34.7	11.48	30.72	254	329	A	H
	*	5512	109.29	-	-	93.79	34.7	11.53	30.73	254	329	P	H
		5512	102.71	-	-	87.21	34.7	11.53	30.73	254	329	A	H
		5758.84	56.75	-11.55	68.3	40.61	35.19	11.78	30.83	254	329	P	H
		5452.72	64.2	-9.8	74	48.73	34.7	11.48	30.71	198	106	P	V
		5465.04	67.06	-1.24	68.3	51.58	34.7	11.5	30.72	198	106	P	V
		5460	53.63	-0.37	54	38.17	34.7	11.48	30.72	198	106	A	V
	*	5512	115.09	-	-	99.59	34.7	11.53	30.73	198	106	P	V
		5512	108.52	-	-	93.02	34.7	11.53	30.73	198	106	A	V
		5729.8	57.97	-10.33	68.3	41.96	35.08	11.75	30.82	198	106	P	V
802.11n HT40 CH 110 5550MHz		5457.68	58.27	-15.73	74	42.81	34.7	11.48	30.72	194	142	P	H
		5468.72	60.03	-8.27	68.3	44.55	34.7	11.5	30.72	194	142	P	H
		5458.64	48.68	-5.32	54	33.22	34.7	11.48	30.72	194	142	A	H
	*	5554	111.49	-	-	95.96	34.7	11.58	30.75	194	142	P	H
		5554	103.85	-	-	88.32	34.7	11.58	30.75	194	142	A	H
		5729.4	56.62	-11.68	68.3	40.61	35.08	11.75	30.82	194	142	P	H
		5446.8	61.93	-12.07	74	46.46	34.7	11.48	30.71	249	298	P	V
		5466.48	63.09	-5.21	68.3	47.61	34.7	11.5	30.72	249	298	P	V
		5459.28	53.45	-0.55	54	37.99	34.7	11.48	30.72	249	298	A	V
	*	5554	117.51	-	-	101.98	34.7	11.58	30.75	249	298	P	V
		5554	110.21	-	-	94.68	34.7	11.58	30.75	249	298	A	V
		5728.04	58.54	-9.76	68.3	42.53	35.08	11.75	30.82	249	298	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 126 5630MHz		5451.44	57.69	-16.31	74	42.22	34.7	11.48	30.71	300	160	P	H
		5466	56.69	-11.61	68.3	41.21	34.7	11.5	30.72	300	160	P	H
		5453.68	48.42	-5.58	54	32.95	34.7	11.48	30.71	300	160	A	H
	*	5632	112.56	-	-	96.93	34.75	11.65	30.77	300	160	P	H
		5632	106.37	-	-	90.74	34.75	11.65	30.77	300	160	A	H
		5725	58.44	-9.86	68.3	42.43	35.08	11.75	30.82	300	160	P	H
		5447.92	61.35	-12.65	74	45.88	34.7	11.48	30.71	191	109	P	V
		5461.36	61.12	-7.18	68.3	45.66	34.7	11.48	30.72	191	109	P	V
		5456.24	52.62	-1.38	54	37.16	34.7	11.48	30.72	191	109	A	V
	*	5626	120.61	-	-	104.98	34.75	11.65	30.77	191	109	P	V
		5626	111.84	-	-	96.21	34.75	11.65	30.77	191	109	A	V
		5727.4	67.96	-0.34	68.3	51.95	35.08	11.75	30.82	191	109	P	V
802.11n HT40 CH 134 5670MHz		5457.2	57.43	-16.57	74	41.97	34.7	11.48	30.72	127	331	P	H
		5466.64	57.19	-11.11	68.3	41.71	34.7	11.5	30.72	127	331	P	H
		5459.76	48.12	-5.88	54	32.66	34.7	11.48	30.72	127	331	A	H
	*	5668	110.12	-	-	94.29	34.92	11.7	30.79	127	331	P	H
		5668	103.71	-	-	87.88	34.92	11.7	30.79	127	331	A	H
		5726.36	60.11	-8.19	68.3	44.1	35.08	11.75	30.82	127	331	P	H
		5447.92	61.63	-12.37	74	46.16	34.7	11.48	30.71	173	68	P	V
		5466.96	58.99	-9.31	68.3	43.51	34.7	11.5	30.72	173	68	P	V
		5446.48	50.94	-3.06	54	35.47	34.7	11.48	30.71	173	68	A	V
	*	5674	115.58	-	-	99.75	34.92	11.7	30.79	173	68	P	V
		5674	109.34	-	-	93.51	34.92	11.7	30.79	173	68	A	V
		5729.16	67.6	-0.7	68.3	51.59	35.08	11.75	30.82	173	68	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11019.02	44.08	-29.92	74	49.98	37.91	16.73	60.54	300	0	P	H
		11019.02	43.9	-30.1	74	49.8	37.91	16.73	60.54	300	0	P	V
802.11n HT40 CH 110 5550MHz		11099.1	46.25	-27.75	74	52.01	37.96	16.8	60.52	300	0	P	H
		16650	57.78	-10.52	68.3	53.68	42.19	20.6	58.69	286	314	P	H
		11099.1	45.81	-28.19	74	51.57	37.96	16.8	60.52	300	0	P	V
		16650	58.32	-9.98	68.3	54.22	42.19	20.6	58.69	161	241	P	V
802.11n HT40 CH 126 5630MHz		11259.25	46.77	-27.23	74	52.3	38.05	16.91	60.49	300	0	P	H
		16890	59.8	-8.5	68.3	54.9	42.48	20.77	58.35	299	314	P	H
		11259.25	45.32	-28.68	74	50.85	38.05	16.91	60.49	300	0	P	V
		16890	58.55	-9.75	68.3	53.65	42.48	20.77	58.35	195	242	P	V
802.11n HT40 CH 134 5670MHz		11340	43.97	-30.03	74	49.37	38.1	16.97	60.47	300	0	P	H
		11340	44.23	-29.77	74	49.63	38.1	16.97	60.47	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5457.04	56.86	-17.14	74	41.4	34.7	11.48	30.72	287	134	P	H
		5468.56	58.96	-9.34	68.3	43.48	34.7	11.5	30.72	287	134	P	H
		5454	48.62	-5.38	54	33.15	34.7	11.48	30.71	287	134	A	H
	*	5524	100.68	-	-	85.17	34.7	11.55	30.74	287	134	P	H
		5524	94.35	-	-	78.84	34.7	11.55	30.74	287	134	A	H
		5751.4	55.82	-12.48	68.3	39.75	35.14	11.76	30.83	287	134	P	H
		5458.48	60.41	-13.59	74	44.95	34.7	11.48	30.72	192	284	P	V
		5465.68	61.76	-6.54	68.3	46.28	34.7	11.5	30.72	192	284	P	V
		5458	53.15	-0.85	54	37.69	34.7	11.48	30.72	192	284	A	V
		5536	108.12	-	-	92.6	34.7	11.56	30.74	192	284	P	V
		5536	101.17	-	-	85.65	34.7	11.56	30.74	192	284	A	V
		5743.4	57.31	-10.99	68.3	41.24	35.14	11.76	30.83	192	284	P	V
802.11ac VHT80 CH 122 5610MHz		5459.6	58.94	-15.06	74	43.48	34.7	11.48	30.72	329	151	P	H
		5470	57.47	-10.83	68.3	41.99	34.7	11.5	30.72	329	151	P	H
		5454.48	49.46	-4.54	54	33.99	34.7	11.48	30.71	329	151	A	H
		5614	107.23	-	-	91.67	34.7	11.63	30.77	329	151	P	H
		5614	101.09	-	-	85.53	34.7	11.63	30.77	329	151	A	H
		5729.24	57.85	-10.45	68.3	41.84	35.08	11.75	30.82	329	151	P	H
		5456.24	62.33	-11.67	74	46.87	34.7	11.48	30.72	180	106	P	V
		5461.52	63.13	-5.17	68.3	47.67	34.7	11.48	30.72	180	106	P	V
		5458.64	53.03	-0.97	54	37.57	34.7	11.48	30.72	180	106	A	V
		5614	113.93	-	-	98.37	34.7	11.63	30.77	180	106	P	V
		5614	107.88	-	-	92.32	34.7	11.63	30.77	180	106	A	V
		5732.52	65.86	-2.44	68.3	49.85	35.08	11.75	30.82	180	106	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11059.05	44.59	-29.41	74	50.41	37.94	16.77	60.53	300	0	P	H
		11059.05	43.62	-30.38	74	49.44	37.94	16.77	60.53	300	0	P	V
802.11ac VHT80 CH 122 5610MHz		11219.21	43.73	-30.27	74	49.31	38.03	16.88	60.49	300	0	P	H
		11219.21	43.29	-30.71	74	48.87	38.03	16.88	60.49	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		5361.84	59.2	-14.8	74	43.79	34.7	11.4	30.69	378	188	P	H
		5468.72	63.04	-5.26	68.3	47.56	34.7	11.5	30.72	378	188	P	H
		5458.48	48.51	-5.49	54	33.05	34.7	11.48	30.72	378	188	A	H
		5500	114.58	-	-	99.08	34.7	11.53	30.73	378	188	P	H
		5500	105.56	-	-	90.06	34.7	11.53	30.73	378	188	A	H
		5456.4	63.32	-10.68	74	47.86	34.7	11.48	30.72	196	239	P	V
		5469.04	66.95	-1.35	68.3	51.47	34.7	11.5	30.72	196	239	P	V
		5458.64	53.17	-0.83	54	37.71	34.7	11.48	30.72	196	239	A	V
		5500	120.46	-	-	104.96	34.7	11.53	30.73	196	239	P	V
		5500	111.19	-	-	95.69	34.7	11.53	30.73	196	239	A	V
802.11ax HE20 Full CH 104 5520MHz		5450.64	57.91	-16.09	74	42.44	34.7	11.48	30.71	344	167	P	H
		5469.68	59.76	-8.54	68.3	44.28	34.7	11.5	30.72	344	167	P	H
		5458.96	48.69	-5.31	54	33.23	34.7	11.48	30.72	344	167	A	H
		5518	117.05	-	-	101.54	34.7	11.55	30.74	344	167	P	H
		5518	108.66	-	-	93.15	34.7	11.55	30.74	344	167	A	H
		5448.4	62.14	-11.86	74	46.67	34.7	11.48	30.71	192	103	P	V
		5465.84	66.66	-1.64	68.3	51.18	34.7	11.5	30.72	192	103	P	V
		5458.64	53.12	-0.88	54	37.66	34.7	11.48	30.72	192	103	A	V
		5518	122.51	-	-	107	34.7	11.55	30.74	192	103	P	V
		5518	114.26	-	-	98.75	34.7	11.55	30.74	192	103	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 108 5540MHz		5449.04	58.05	-15.95	74	42.58	34.7	11.48	30.71	319	142	P	H
		5469.2	57.94	-10.36	68.3	42.46	34.7	11.5	30.72	319	142	P	H
		5459.12	49.21	-4.79	54	33.75	34.7	11.48	30.72	319	142	A	H
		5542	118.01	-	-	102.49	34.7	11.56	30.74	319	142	P	H
		5542	110.22	-	-	94.7	34.7	11.56	30.74	319	142	A	H
		5458.48	62.78	-11.22	74	47.32	34.7	11.48	30.72	191	69	P	V
		5465.68	62.84	-5.46	68.3	47.36	34.7	11.5	30.72	191	69	P	V
		5458.32	53.19	-0.81	54	37.73	34.7	11.48	30.72	191	69	A	V
		5536	123.33	-	-	107.81	34.7	11.56	30.74	191	69	P	V
		5536	115.55	-	-	100.03	34.7	11.56	30.74	191	69	A	V
802.11ax HE20 Full CH 116 5580MHz		5432.4	58.71	-15.29	74	43.25	34.7	11.46	30.7	303	147	P	H
		5460.88	57.6	-10.7	68.3	42.14	34.7	11.48	30.72	303	147	P	H
		5457.84	48.72	-5.28	54	33.26	34.7	11.48	30.72	303	147	A	H
		5578	118.07	-	-	102.53	34.7	11.6	30.76	303	147	P	H
		5578	110.57	-	-	95.03	34.7	11.6	30.76	303	147	A	H
		5740.6	58.19	-10.11	68.3	42.12	35.14	11.76	30.83	303	147	P	H
		5458.64	62.16	-11.84	74	46.7	34.7	11.48	30.72	178	115	P	V
		5468.72	61.58	-6.72	68.3	46.1	34.7	11.5	30.72	178	115	P	V
		5459.6	52.72	-1.28	54	37.26	34.7	11.48	30.72	178	115	A	V
		5578	125.97	-	-	110.43	34.7	11.6	30.76	178	115	P	V
		5578	118.57	-	-	103.03	34.7	11.6	30.76	178	115	A	V
		5738.04	60.12	-8.18	68.3	44.04	35.14	11.76	30.82	178	115	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 132 5660MHz		5730.36	59.07	-9.23	68.3	43.06	35.08	11.75	30.82	303	139	P	H
		5662	117.55	-	-	101.79	34.86	11.68	30.78	303	139	P	H
		5662	110.11	-	-	94.35	34.86	11.68	30.78	303	139	A	H
		5729	67.68	-0.62	68.3	51.67	35.08	11.75	30.82	178	109	P	V
		5662	124.68	-	-	108.92	34.86	11.68	30.78	178	109	P	V
		5662	117.12	-	-	101.36	34.86	11.68	30.78	178	109	A	V
802.11ax HE20 Full CH 136 5680MHz		5728.76	58.71	-9.59	68.3	42.7	35.08	11.75	30.82	197	139	P	H
		5680	114.92	-	-	99.09	34.92	11.7	30.79	197	139	P	H
		5680	107.85	-	-	92.02	34.92	11.7	30.79	197	139	A	H
		5726.28	67.5	-0.8	68.3	51.49	35.08	11.75	30.82	177	113	P	V
		5674	123.65	-	-	107.82	34.92	11.7	30.79	177	113	P	V
		5674	115.85	-	-	100.02	34.92	11.7	30.79	177	113	A	V
802.11ax HE20 Full CH 140 5700MHz		5728.92	62.11	-6.19	68.3	46.1	35.08	11.75	30.82	302	139	P	H
		5704	111.99	-	-	96.04	35.03	11.73	30.81	302	139	P	H
		5704	103.79	-	-	87.84	35.03	11.73	30.81	302	139	A	H
		5734.36	67.32	-0.98	68.3	51.31	35.08	11.75	30.82	191	76	P	V
		5698	118	-	-	102.12	34.97	11.71	30.8	191	76	P	V
		5698	110.12	-	-	94.24	34.97	11.71	30.8	191	76	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C 5470~5725MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		10999	43.58	-30.42	74	49.5	37.9	16.72	60.54	300	0	P	H
		10999	43.98	-30.02	74	49.9	37.9	16.72	60.54	300	0	P	V
802.11ax HE20 Full CH 104 5520MHz		11039.04	44.58	-29.42	74	50.42	37.93	16.76	60.53	300	0	P	H
		16560	50.41	-17.89	68.3	46.66	42.06	20.53	58.84	100	0	P	H
		11039.04	44.31	-29.69	74	50.15	37.93	16.76	60.53	300	0	P	V
		16560	49.46	-18.84	68.3	45.71	42.06	20.53	58.84	100	0	P	V
802.11ax HE20 Full CH 108 5540MHz		11081	43.18	-30.82	74	48.97	37.95	16.78	60.52	287	314	P	H
		16620	60.58	-7.72	68.3	56.6	42.14	20.58	58.74	287	314	P	H
		11080	44.15	-29.85	74	49.94	37.95	16.78	60.52	197	242	P	V
		16625	61.91	-6.39	68.3	57.93	42.14	20.58	58.74	197	242	P	V
802.11ax HE20 Full CH 116 5580MHz		11160	54.8	-19.2	74	60.45	38	16.85	60.5	100	101	P	H
		11160	46.48	-7.52	54	52.13	38	16.85	60.5	100	101	A	H
		16734	61.36	-6.94	68.3	56.98	42.29	20.66	58.57	300	315	P	H
		11160	53.97	-20.03	74	59.62	38	16.85	60.5	100	140	P	V
		11160	43.01	-10.99	54	48.66	38	16.85	60.5	100	140	A	V
		16734	65.93	-2.37	68.3	61.55	42.29	20.66	58.57	191	243	P	V
802.11ax HE20 Full CH 132 5660MHz		11319.31	55.95	-18.05	74	61.37	38.09	16.96	60.47	180	107	P	H
		11319.31	47.94	-6.06	54	53.36	38.09	16.96	60.47	180	107	A	H
		16980	64.74	-3.56	68.3	59.55	42.58	20.83	58.22	100	0	P	H
		11319.31	48.42	-25.58	74	53.84	38.09	16.96	60.47	300	0	P	V
		16980	64.38	-3.92	68.3	59.19	42.58	20.83	58.22	172	316	P	V
802.11ax HE20 Full CH 136 5680MHz		11359.36	45.82	-28.18	74	51.19	38.11	16.98	60.46	300	0	P	H
		17040	51.74	-16.56	68.3	46.49	42.51	20.88	58.14	100	0	P	H
		11359.36	43.75	-30.25	74	49.12	38.11	16.98	60.46	300	0	P	V
		17040	48.28	-20.02	68.3	43.03	42.51	20.88	58.14	100	0	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		11399.39	44.99	-29.01	74	50.28	38.14	17.02	60.45	300	0	P	H
CH 140 5700MHz		11399.39	43.84	-30.16	74	49.13	38.14	17.02	60.45	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C 5470~5725MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 100 5260MHz		5452.72	56.59	-17.41	74	41.12	34.7	11.48	30.71	250	326	P	H
		5468.56	60.49	-7.81	68.3	45.01	34.7	11.5	30.72	250	326	P	H
		5458.8	47.04	-6.96	54	31.58	34.7	11.48	30.72	250	326	A	H
		5494	114.34	-	-	98.86	34.7	11.51	30.73	250	326	P	H
		5494	107.36	-	-	91.88	34.7	11.51	30.73	250	326	A	H
		5458.32	61.58	-12.42	74	46.12	34.7	11.48	30.72	197	284	P	V
		5468.4	67.27	-1.03	68.3	51.79	34.7	11.5	30.72	197	284	P	V
		5456.88	50.42	-3.58	54	34.96	34.7	11.48	30.72	197	284	A	V
		5494	118.65	-	-	103.17	34.7	11.51	30.73	197	284	P	V
		5494	112.31	-	-	96.83	34.7	11.51	30.73	197	284	A	V
802.11ax HE20 Partial 26/8 CH 140 5700MHz		5727.24	59.85	-8.45	68.3	43.84	35.08	11.75	30.82	218	324	P	H
		5710	111.93	-	-	95.98	35.03	11.73	30.81	218	324	P	H
		5710	106	-	-	90.05	35.03	11.73	30.81	218	324	A	H
		5725.72	67.36	-0.94	68.3	51.35	35.08	11.75	30.82	182	267	P	V
		5710	119.47	-	-	103.52	35.03	11.73	30.81	182	267	P	V
		5710	113.64	-	-	97.69	35.03	11.73	30.81	182	267	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C 5470~5725MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 52/37 CH 100 5500MHz		5456.56	57.23	-16.77	74	41.77	34.7	11.48	30.72	218	135	P	H
		5463.6	58.45	-9.85	68.3	42.97	34.7	11.5	30.72	218	135	P	H
		5459.28	47.91	-6.09	54	32.45	34.7	11.48	30.72	218	135	A	H
		5494	116.64	-	-	101.16	34.7	11.51	30.73	218	135	P	H
		5494	110.04	-	-	94.56	34.7	11.51	30.73	218	135	A	H
		5459.6	60.73	-13.27	74	45.27	34.7	11.48	30.72	202	284	P	V
		5470	64.32	-3.98	68.3	48.84	34.7	11.5	30.72	202	284	P	V
		5458.32	51.53	-2.47	54	36.07	34.7	11.48	30.72	202	284	A	V
		5494	120.66	-	-	105.18	34.7	11.51	30.73	202	284	P	V
		5494	115.37	-	-	99.89	34.7	11.51	30.73	202	284	A	V
802.11ax HE20 Partial 52/40 CH 140 5700MHz		5727.8	62.25	-6.05	68.3	46.24	35.08	11.75	30.82	238	138	P	H
		5704	116.01	-	-	100.06	35.03	11.73	30.81	238	138	P	H
		5704	108.7	-	-	92.75	35.03	11.73	30.81	238	138	A	H
		5728.04	67.33	-0.97	68.3	51.32	35.08	11.75	30.82	175	105	P	V
		5704	122.51	-	-	106.56	35.03	11.73	30.81	175	105	P	V
		5704	116.67	-	-	100.72	35.03	11.73	30.81	175	105	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 100 5500MHz		5398.8	57.19	-16.81	74	41.76	34.7	11.43	30.7	379	175	P	H
		5469.36	61.36	-6.94	68.3	45.88	34.7	11.5	30.72	379	175	P	H
		5459.28	48.06	-5.94	54	32.6	34.7	11.48	30.72	379	175	A	H
		5500	114.54	-	-	99.04	34.7	11.53	30.73	379	175	P	H
		5500	107.51	-	-	92.01	34.7	11.53	30.73	379	175	A	H
		5458.64	60.48	-13.52	74	45.02	34.7	11.48	30.72	198	241	P	V
		5464.88	64.59	-3.71	68.3	49.11	34.7	11.5	30.72	198	241	P	V
		5458.32	53.16	-0.84	54	37.7	34.7	11.48	30.72	198	241	A	V
		5500	123.76	-	-	108.26	34.7	11.53	30.73	198	241	P	V
		5500	116.52	-	-	101.02	34.7	11.53	30.73	198	241	A	V
802.11ax HE20 Partial 106/54 CH 140 5700MHz		5751.24	57.39	-10.91	68.3	41.32	35.14	11.76	30.83	275	138	P	H
		5704	116.29	-	-	100.34	35.03	11.73	30.81	275	138	P	H
		5704	109.01	-	-	93.06	35.03	11.73	30.81	275	138	A	H
		5725.24	67.67	-0.63	68.3	51.66	35.08	11.75	30.82	188	107	P	V
		5704	123.02	-	-	107.07	35.03	11.73	30.81	188	107	P	V
		5704	115.96	-	-	100.01	35.03	11.73	30.81	188	107	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 102 5510MHz		5458.96	61.87	-12.13	74	46.41	34.7	11.48	30.72	345	164	P	H
		5465.2	63.07	-5.23	68.3	47.59	34.7	11.5	30.72	345	164	P	H
		5459.28	48.26	-5.74	54	32.8	34.7	11.48	30.72	345	164	A	H
		5512	109.28	-	-	93.78	34.7	11.53	30.73	345	164	P	H
		5512	100.4	-	-	84.9	34.7	11.53	30.73	345	164	A	H
		5746.92	56.75	-11.55	68.3	40.68	35.14	11.76	30.83	345	164	P	H
		5457.04	64.53	-9.47	74	49.07	34.7	11.48	30.72	192	101	P	V
		5468.72	67.43	-0.87	68.3	51.95	34.7	11.5	30.72	192	101	P	V
		5458.64	51.67	-2.33	54	36.21	34.7	11.48	30.72	192	101	A	V
		5506	113.23	-	-	97.73	34.7	11.53	30.73	192	101	P	V
		5506	107.18	-	-	91.68	34.7	11.53	30.73	192	101	A	V
		5725.64	56.81	-11.49	68.3	40.8	35.08	11.75	30.82	192	101	P	V
802.11ax HE40 Full CH 110 5550MHz		5455.76	61.2	-12.8	74	45.74	34.7	11.48	30.72	305	141	P	H
		5468.24	57.12	-11.18	68.3	41.64	34.7	11.5	30.72	305	141	P	H
		5456.24	49.09	-4.91	54	33.63	34.7	11.48	30.72	305	141	A	H
		5542	112.71	-	-	97.19	34.7	11.56	30.74	305	141	P	H
		5542	103.51	-	-	87.99	34.7	11.56	30.74	305	141	A	H
		5732.36	56.63	-11.67	68.3	40.62	35.08	11.75	30.82	305	141	P	H
		5456.24	64.52	-9.48	74	49.06	34.7	11.48	30.72	192	111	P	V
		5466.32	65.09	-3.21	68.3	49.61	34.7	11.5	30.72	192	111	P	V
		5455.76	53.25	-0.75	54	37.79	34.7	11.48	30.72	192	111	A	V
		5554	116.5	-	-	100.97	34.7	11.58	30.75	192	111	P	V
		5554	109.91	-	-	94.38	34.7	11.58	30.75	192	111	A	V
		5741.24	58.7	-9.6	68.3	42.63	35.14	11.76	30.83	192	111	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 126 5630MHz		5417.36	57.31	-16.69	74	41.86	34.7	11.45	30.7	191	161	P	H
		5461.2	57.69	-10.61	68.3	42.23	34.7	11.48	30.72	191	161	P	H
		5453.84	48.56	-5.44	54	33.09	34.7	11.48	30.71	191	161	A	H
		5632	115.07	-	-	99.44	34.75	11.65	30.77	191	161	P	H
		5632	107.98	-	-	92.35	34.75	11.65	30.77	191	161	A	H
		5734.84	58.73	-9.57	68.3	42.65	35.14	11.76	30.82	191	161	P	H
		5419.28	61.82	-12.18	74	46.37	34.7	11.45	30.7	180	110	P	V
		5466.48	61.46	-6.84	68.3	45.98	34.7	11.5	30.72	180	110	P	V
		5458.96	52.61	-1.39	54	37.15	34.7	11.48	30.72	180	110	A	V
		5632	121.93	-	-	106.3	34.75	11.65	30.77	180	110	P	V
		5632	114.64	-	-	99.01	34.75	11.65	30.77	180	110	A	V
		5726.84	67.34	-0.96	68.3	51.33	35.08	11.75	30.82	180	110	P	V
802.11ax HE40 Full CH 134 5670MHz		5438.96	55.97	-18.03	74	40.52	34.7	11.46	30.71	146	327	P	H
		5468.24	56.64	-11.66	68.3	41.16	34.7	11.5	30.72	146	327	P	H
		5451.92	47.14	-6.86	54	31.67	34.7	11.48	30.71	146	327	A	H
		5662	108.3	-	-	92.54	34.86	11.68	30.78	146	327	P	H
		5662	101.41	-	-	85.65	34.86	11.68	30.78	146	327	A	H
		5734.44	58.61	-9.69	68.3	42.6	35.08	11.75	30.82	146	327	P	H
		5442	57.6	-16.4	74	42.15	34.7	11.46	30.71	190	105	P	V
		5469.52	56.76	-11.54	68.3	41.28	34.7	11.5	30.72	190	105	P	V
		5459.76	48.24	-5.76	54	32.78	34.7	11.48	30.72	190	105	A	V
		5674	114.89	-	-	99.06	34.92	11.7	30.79	190	105	P	V
		5674	107.85	-	-	92.02	34.92	11.7	30.79	190	105	A	V
		5727.56	66.78	-1.52	68.3	50.77	35.08	11.75	30.82	190	105	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C 5470~5725MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full		11020	43.55	-30.45	74	49.45	37.91	16.73	60.54	300	0	P	H
CH 102 5510MHz		11020	43.94	-30.06	74	49.84	37.91	16.73	60.54	300	0	P	V
802.11ax HE40 Full		11100	50.09	-23.91	74	55.85	37.96	16.8	60.52	300	0	P	H
CH 110		16650	58	-10.3	68.3	53.9	42.19	20.6	58.69	100	0	P	H
5550MHz		11099.1	46.03	-27.97	74	51.79	37.96	16.8	60.52	300	0	P	V
		16650	60.96	-7.34	68.3	56.86	42.19	20.6	58.69	196	246	P	V
802.11ax HE40 Full		11259.25	45.25	-28.75	74	50.78	38.05	16.91	60.49	300	0	P	H
CH 126		16890	50.22	-18.08	68.3	45.32	42.48	20.77	58.35	100	0	P	H
5630MHz		11257	46.62	-27.38	74	52.15	38.05	16.91	60.49	300	0	P	V
		16890	49.61	-18.69	68.3	44.71	42.48	20.77	58.35	100	0	P	V
802.11ax HE40 Full		11339.33	44.11	-29.89	74	49.51	38.1	16.97	60.47	300	0	P	H
CH 134 5670MHz		11339.33	43.79	-30.21	74	49.19	38.1	16.97	60.47	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 102 5510MHz		5458.64	56.59	-17.41	74	41.13	34.7	11.48	30.72	156	327	P	H
		5463.6	58.49	-9.81	68.3	43.01	34.7	11.5	30.72	156	327	P	H
		5458.48	47.43	-6.57	54	31.97	34.7	11.48	30.72	156	327	A	H
		5506	111.65	-	-	96.15	34.7	11.53	30.73	156	327	P	H
		5506	102.32	-	-	86.82	34.7	11.53	30.73	156	327	A	H
		5741.64	56.83	-11.47	68.3	40.76	35.14	11.76	30.83	156	327	P	H
		5457.36	59.34	-14.66	74	43.88	34.7	11.48	30.72	191	106	P	V
		5469.04	67.52	-0.78	68.3	52.04	34.7	11.5	30.72	191	106	P	V
		5454.96	49.84	-4.16	54	34.37	34.7	11.48	30.71	191	106	A	V
		5506	118.15	-	-	102.65	34.7	11.53	30.73	191	106	P	V
		5506	110.56	-	-	95.06	34.7	11.53	30.73	191	106	A	V
		5734.6	56.31	-11.99	68.3	40.23	35.14	11.76	30.82	191	106	P	V
802.11ax HE40 Partial 242/62 CH 134 5670MHz		5447.12	55.37	-18.63	74	39.9	34.7	11.48	30.71	146	328	P	H
		5461.04	55.17	-13.13	68.3	39.71	34.7	11.48	30.72	146	328	P	H
		5448.56	46.83	-7.17	54	31.36	34.7	11.48	30.71	146	328	A	H
		5674	109.91	-	-	94.08	34.92	11.7	30.79	146	328	P	H
		5674	103.73	-	-	87.9	34.92	11.7	30.79	146	328	A	H
		5726.68	61.35	-6.95	68.3	45.34	35.08	11.75	30.82	146	328	P	H
		5421.04	57.16	-16.84	74	41.71	34.7	11.45	30.7	187	104	P	V
		5464.24	56.89	-11.41	68.3	41.41	34.7	11.5	30.72	187	104	P	V
		5446.32	48.45	-5.55	54	32.98	34.7	11.48	30.71	187	104	A	V
		5674	118.2	-	-	102.37	34.92	11.7	30.79	187	104	P	V
		5674	110.75	-	-	94.92	34.92	11.7	30.79	187	104	A	V
		5729.96	67.06	-1.24	68.3	51.05	35.08	11.75	30.82	187	104	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 106 5530MHz		5381.36	56.18	-17.82	74	40.76	34.7	11.41	30.69	262	134	P	H
		5469.52	57.6	-10.7	68.3	42.12	34.7	11.5	30.72	262	134	P	H
		5457.84	48.43	-5.57	54	32.97	34.7	11.48	30.72	262	134	A	H
		5524	101.2	-	-	85.69	34.7	11.55	30.74	262	134	P	H
		5524	95.19	-	-	79.68	34.7	11.55	30.74	262	134	A	H
		5735.8	56.88	-11.42	68.3	40.8	35.14	11.76	30.82	262	134	P	H
		5457.68	60.08	-13.92	74	44.62	34.7	11.48	30.72	187	108	P	V
		5470	61.36	-6.94	68.3	45.88	34.7	11.5	30.72	187	108	P	V
		5457.52	53.07	-0.93	54	37.61	34.7	11.48	30.72	187	108	A	V
		5536	107.1	-	-	91.58	34.7	11.56	30.74	187	108	P	V
		5536	100.2	-	-	84.68	34.7	11.56	30.74	187	108	A	V
		5727.16	57.04	-11.26	68.3	41.03	35.08	11.75	30.82	187	108	P	V
802.11ax HE80 Full CH 122 5610MHz		5458.16	57.71	-16.29	74	42.25	34.7	11.48	30.72	327	152	P	H
		5463.12	56.67	-11.63	68.3	41.19	34.7	11.5	30.72	327	152	P	H
		5452.72	48.54	-5.46	54	33.07	34.7	11.48	30.71	327	152	A	H
		5602	107.69	-	-	92.12	34.7	11.63	30.76	327	152	P	H
		5602	100.87	-	-	85.3	34.7	11.63	30.76	327	152	A	H
		5725.32	60.02	-8.28	68.3	44.01	35.08	11.75	30.82	327	152	P	H
		5436.24	62.44	-11.56	74	46.98	34.7	11.46	30.7	188	106	P	V
		5465.36	62	-6.3	68.3	46.52	34.7	11.5	30.72	188	106	P	V
		5459.76	53.61	-0.39	54	38.15	34.7	11.48	30.72	188	106	A	V
		5608	115.01	-	-	99.45	34.7	11.63	30.77	188	106	P	V
		5608	108.66	-	-	93.1	34.7	11.63	30.77	188	106	A	V
		5725.16	65.79	-2.51	68.3	49.78	35.08	11.75	30.82	188	106	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C 5470~5725MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full		11059.05	43.75	-30.25	74	49.57	37.94	16.77	60.53	300	0	P	H
CH 106 5530MHz		11059.05	43.79	-30.21	74	49.61	37.94	16.77	60.53	300	0	P	V
802.11ax HE80 Full		11220	43.71	-30.29	74	49.29	38.03	16.88	60.49	300	0	P	H
CH 122 5610MHz		11220	43.74	-30.26	74	49.32	38.03	16.88	60.49	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C 5470~5725MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 106 5530MHz		5456.08	58.75	-15.25	74	43.29	34.7	11.48	30.72	323	153	P	H
		5466.48	60.43	-7.87	68.3	44.95	34.7	11.5	30.72	323	153	P	H
		5438	48.44	-5.56	54	32.99	34.7	11.46	30.71	323	153	A	H
		5530	108.08	-	-	92.57	34.7	11.55	30.74	323	153	P	H
		5530	99.83	-	-	84.32	34.7	11.55	30.74	323	153	A	H
		5745.88	56.13	-12.17	68.3	40.06	35.14	11.76	30.83	323	153	P	H
		5453.84	68.48	-5.52	74	53.01	34.7	11.48	30.71	187	103	P	V
		5469.52	66.7	-1.6	68.3	51.22	34.7	11.5	30.72	187	103	P	V
		5458.64	53.53	-0.47	54	38.07	34.7	11.48	30.72	187	103	A	V
		5530	113.63	-	-	98.12	34.7	11.55	30.74	187	103	P	V
		5530	106.1	-	-	90.59	34.7	11.55	30.74	187	103	A	V
		5764.68	57.74	-10.56	68.3	41.61	35.19	11.78	30.84	187	103	P	V
802.11ax HE80 Partial 484/66 CH 122 5610MHz		5438.32	57.29	-16.71	74	41.84	34.7	11.46	30.71	299	152	P	H
		5466	57.57	-10.73	68.3	42.09	34.7	11.5	30.72	299	152	P	H
		5446.32	48.22	-5.78	54	32.75	34.7	11.48	30.71	299	152	A	H
		5614	109.76	-	-	94.2	34.7	11.63	30.77	299	152	P	H
		5614	102.85	-	-	87.29	34.7	11.63	30.77	299	152	A	H
		5728.2	56.71	-11.59	68.3	40.7	35.08	11.75	30.82	299	152	P	H
		5453.2	61.67	-12.33	74	46.2	34.7	11.48	30.71	182	109	P	V
		5468.72	62.36	-5.94	68.3	46.88	34.7	11.5	30.72	182	109	P	V
		5459.92	52.25	-1.75	54	36.79	34.7	11.48	30.72	182	109	A	V
		5614	116.58	-	-	101.02	34.7	11.63	30.77	182	109	P	V
		5614	110.34	-	-	94.78	34.7	11.63	30.77	182	109	A	V
		5730.6	67.27	-1.03	68.3	51.26	35.08	11.75	30.82	182	109	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5716	118.75	-	-	102.8	35.03	11.73	30.81	326	78	P	H
		5716	111.84	-	-	95.89	35.03	11.73	30.81	326	78	A	H
		5722	124.88	-	-	108.87	35.08	11.75	30.82	189	254	P	V
		5722	117.94	-	-	101.93	35.08	11.75	30.82	189	254	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	60.45	-13.55	74	65.68	38.16	17.05	60.44	157	144	P	H
		11440	50.31	-3.69	54	55.54	38.16	17.05	60.44	157	144	A	H
		17160	63.45	-4.85	68.3	58.17	42.3	20.97	57.99	322	312	P	H
		11440	55.46	-18.54	74	60.69	38.16	17.05	60.44	100	65	P	V
		11440	46.92	-7.08	54	52.15	38.16	17.05	60.44	100	65	A	V
		17160	64.28	-4.02	68.3	59	42.3	20.97	57.99	187	311	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												


UNII-2C - Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		5716	116.29	-	-	100.34	35.03	11.73	30.81	314	88	P	H
HT20		5716	108.58	-	-	92.63	35.03	11.73	30.81	314	88	A	H
CH 144		5716	125.62	-	-	109.67	35.03	11.73	30.81	189	242	P	V
5720MHz		5716	118.79	-	-	102.84	35.03	11.73	30.81	189	242	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		11440	60.4	-13.6	74	65.63	38.16	17.05	60.44	242	100	P	H
		11440	50.44	-3.56	54	55.67	38.16	17.05	60.44	242	100	A	H
		17160	64.64	-3.66	68.3	59.36	42.3	20.97	57.99	280	317	P	H
		11440	55.42	-18.58	74	60.65	38.16	17.05	60.44	100	64	P	V
		11440	45.24	-8.76	54	50.47	38.16	17.05	60.44	100	64	A	V
		17160	63.42	-4.88	68.3	58.14	42.3	20.97	57.99	165	315	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**UNII-2C - Straddle Channel****WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		5710	113.8	-	-	97.85	35.03	11.73	30.81	322	89	P	H
HT40		5710	107.2	-	-	91.25	35.03	11.73	30.81	322	89	A	H
CH 142		5716	122.24	-	-	106.29	35.03	11.73	30.81	176	216	P	V
5710MHz		5716	116.03	-	-	100.08	35.03	11.73	30.81	176	216	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		11420	56.16	-17.84	74	61.43	38.15	17.03	60.45	150	144	P	H
		11420	47.29	-6.71	54	52.56	38.15	17.03	60.45	150	144	A	H
		17130	60.59	-7.71	68.3	55.31	42.36	20.95	58.03	309	315	P	H
		11420	48.58	-25.42	74	53.85	38.15	17.03	60.45	300	0	P	V
		17130	60.14	-8.16	68.3	54.86	42.36	20.95	58.03	186	311	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		5686	112.46	-	-	96.58	34.97	11.71	30.8	309	78	P	H
VHT80		5686	106.02	-	-	90.14	34.97	11.71	30.8	309	78	A	H
CH 138		5686	120.08	-	-	104.2	34.97	11.71	30.8	187	223	P	V
5690MHz		5686	114.13	-	-	98.25	34.97	11.71	30.8	187	223	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**UNII-2C - Straddle Channel****WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11380	49.28	-24.72	74	54.6	38.13	17.01	60.46	300	0	P	H
VHT80		17070	63.12	-5.18	68.3	57.87	42.48	20.89	58.12	288	310	P	H
CH 138		11380	49.94	-24.06	74	55.26	38.13	17.01	60.46	300	0	P	V
5690MHz		17070	59.54	-8.76	68.3	54.29	42.48	20.89	58.12	187	312	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**UNII-2C - Straddle Channel****WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		5722	118.65	-	-	102.64	35.08	11.75	30.82	321	85	P	H
HE20 Full		5722	112.85	-	-	96.84	35.08	11.75	30.82	321	85	A	H
CH 144		5716	124.46	-	-	108.51	35.03	11.73	30.81	187	234	P	V
5720MHz		5716	118.81	-	-	102.86	35.03	11.73	30.81	187	234	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - Straddle Channel

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 144 5720MHz		11440	61.37	-12.63	74	66.6	38.16	17.05	60.44	256	104	P	H
		11440	50.72	-3.28	54	55.95	38.16	17.05	60.44	256	104	A	H
		17160	62.69	-5.61	68.3	57.41	42.3	20.97	57.99	306	312	P	H
		11440	53.87	-20.13	74	59.1	38.16	17.05	60.44	100	63	P	V
		11440	45.25	-8.75	54	50.48	38.16	17.05	60.44	100	63	A	V
		17160	61.57	-6.73	68.3	56.29	42.3	20.97	57.99	183	310	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												


UNII-2C - Straddle Channel
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		5710	114.57	-	-	98.62	35.03	11.73	30.81	321	92	P	H
HE40 Full		5710	107.69	-	-	91.74	35.03	11.73	30.81	321	92	A	H
CH 142		5716	123.41	-	-	107.46	35.03	11.73	30.81	176	245	P	V
5710MHz		5716	117.2	-	-	101.25	35.03	11.73	30.81	176	245	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - Straddle Channel

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		11420	58.07	-15.93	74	63.34	38.15	17.03	60.45	155	143	P	H
		11420	46.41	-7.59	54	51.68	38.15	17.03	60.45	155	143	A	H
		17130	63.6	-4.7	68.3	58.32	42.36	20.95	58.03	285	315	P	H
		11420	55.33	-18.67	74	60.6	38.15	17.03	60.45	243	104	P	V
		11420	43.84	-10.16	54	49.11	38.15	17.03	60.45	243	104	A	V
		17130	60.4	-7.9	68.3	55.12	42.36	20.95	58.03	190	317	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**UNII-2C Straddle Channel****WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		5686	113.11	-	-	97.23	34.97	11.71	30.8	312	88	P	H
HE80 Full		5686	107.31	-	-	91.43	34.97	11.71	30.8	312	88	A	H
CH 138		5698	121.05	-	-	105.17	34.97	11.71	30.8	177	229	P	V
5690MHz		5698	115.14	-	-	99.26	34.97	11.71	30.8	177	229	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**UNII-2C - Straddle Channel****WIFI 802.11ax HE80 Full (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11380	49.62	-24.38	74	54.94	38.13	17.01	60.46	300	0	P	H
HE80 Full		17070	61.6	-6.7	68.3	56.35	42.48	20.89	58.12	326	316	P	H
CH 138		11394.39	47.57	-26.43	74	52.89	38.13	17.01	60.46	300	0	P	V
5690MHz		17058	60.13	-8.17	68.3	54.88	42.48	20.89	58.12	186	313	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 HT20 (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 HT20 LF		30	18.23	-21.77	40	24.52	25.1	0.81	32.2	-	-	P	H
		61.04	20.89	-19.11	40	39.69	11.96	1.34	32.1	-	-	P	H
		128.94	16.65	-26.85	43.5	29.21	17.6	1.98	32.14	-	-	P	H
		157.07	17.11	-26.39	43.5	30.34	16.68	2.19	32.1	-	-	P	H
		758.47	30.9	-15.1	46	30.21	28.2	4.79	32.3	100	0	P	H
		780.78	30.75	-15.25	46	29.99	28.2	4.86	32.3	-	-	P	H
		34.85	25.74	-14.26	40	34.55	22.45	0.94	32.2	-	-	P	V
		60.07	25.41	-14.59	40	44.28	11.9	1.33	32.1	-	-	P	V
		172.59	25.3	-18.2	43.5	39.57	15.54	2.29	32.1	-	-	P	V
		187.14	23.33	-20.17	43.5	38.15	14.89	2.39	32.1	-	-	P	V
		749.74	32.17	-13.83	46	31.51	28.2	4.76	32.3	100	0	P	V
		768.17	30.81	-15.19	46	30.09	28.2	4.82	32.3	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



For Sample 2:

UNII-2C - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 104 5520MHz		5442.64	57.19	-16.81	74	41.74	34.7	11.46	30.71	280	156	P	H
		5468.72	59.99	-8.31	68.3	44.51	34.7	11.5	30.72	280	156	P	H
		5459.6	48.14	-5.86	54	32.68	34.7	11.48	30.72	280	156	A	H
	*	5518	115.09	-	-	99.58	34.7	11.55	30.74	280	156	P	H
		5518	107.38	-	-	91.87	34.7	11.55	30.74	280	156	A	H
		5448.88	63.18	-10.82	74	47.71	34.7	11.48	30.71	192	267	P	V
		5469.52	67.69	-0.61	68.3	52.21	34.7	11.5	30.72	192	267	P	V
		5459.28	53.39	-0.61	54	37.93	34.7	11.48	30.72	192	267	A	V
	*	5518	122.01	-	-	106.5	34.7	11.55	30.74	192	267	P	V
		5518	116.01	-	-	100.5	34.7	11.55	30.74	192	267	A	V

UNII-2C - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 104 5520MHz		11040	45.02	-28.98	74	50.86	37.93	16.76	60.53	300	0	P	H
		16560	59.49	-8.81	68.3	55.74	42.06	20.53	58.84	100	0	P	H
		11040	46.89	-27.11	74	52.73	37.93	16.76	60.53	300	0	P	V
		16560	64.15	-4.15	68.3	60.4	42.06	20.53	58.84	193	244	P	V



For Spot Check

UNII-1 5150~5250MHz

WIFI 802.11ax HE20 Full (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.
MIMO		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 36 5180MHz		5149.6	60.28	-13.72	74	51.99	34.42	10.6	36.73	209	22	P	H
		5149.6	46.25	-7.75	54	37.96	34.42	10.6	36.73	209	22	A	H
		5182	111.81	-	-	103.41	34.45	10.64	36.69	209	22	P	H
		5182	104.42	-	-	96.02	34.45	10.64	36.69	209	22	A	H
		5149.28	67.07	-6.93	74	58.78	34.42	10.6	36.73	193	101	P	V
		5148.16	53.38	-0.62	54	45.09	34.42	10.6	36.73	193	101	A	V
		5176	116.8	-	-	108.4	34.45	10.64	36.69	193	101	P	V
		5176	110.69	-	-	102.29	34.45	10.64	36.69	193	101	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. MIMO	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		10355	44.94	-23.36	68.3	59.15	37.38	15.44	67.03	300	0	P	H
CH 36 5180MHz		10355	44.63	-23.67	68.3	58.84	37.38	15.44	67.03	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A - 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. MIMO	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5122.88	52.65	-21.35	74	44.4	34.41	10.58	36.74	151	17	P	H
		5126.88	42.87	-11.13	54	34.62	34.41	10.58	36.74	151	17	A	H
		5284	101.76	-	-	93.12	34.53	10.7	36.59	151	17	P	H
		5284	94.98	-	-	86.34	34.53	10.7	36.59	151	17	A	H
		5361.1	55.74	-18.26	74	46.9	34.59	10.76	36.51	151	17	P	H
		5353.7	48.24	-5.76	54	39.43	34.58	10.75	36.52	151	17	A	H
		5110.56	56.57	-17.43	74	48.38	34.39	10.56	36.76	199	105	P	V
		5147.2	45.94	-8.06	54	37.65	34.42	10.6	36.73	199	105	A	V
		5284	108.39	-	-	99.75	34.53	10.7	36.59	199	105	P	V
		5284	100.78	-	-	92.14	34.53	10.7	36.59	199	105	A	V
		5350	61.31	-12.69	74	52.5	34.58	10.75	36.52	199	105	P	V
		5350	53.54	-0.46	54	44.73	34.58	10.75	36.52	199	105	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. MIMO	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		10575	44.86	-23.44	68.3	58.56	37.54	15.65	66.89	300	0	P	H
CH 58 5290MHz		10575	45.68	-22.62	68.3	59.38	37.54	15.65	66.89	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz

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

WIFI Ant. MIMO	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 106 5530MHz		5454.32	54.43	-19.57	74	45.37	34.66	10.82	36.42	145	17	P	H
		5469.36	56.19	-12.11	68.3	47.07	34.67	10.85	36.4	145	17	P	H
		5453.84	46.76	-7.24	54	37.7	34.66	10.82	36.42	145	17	A	H
		5530	104.87	-	-	95.63	34.72	10.91	36.39	145	17	P	H
		5530	96.94	-	-	87.7	34.72	10.91	36.39	145	17	A	H
		5728.28	50.46	-17.84	68.3	40.91	34.97	11.18	36.6	145	17	P	H
		5452.72	60.92	-13.08	74	51.86	34.66	10.82	36.42	201	79	P	V
		5468.72	63.1	-5.2	68.3	53.98	34.67	10.85	36.4	201	79	P	V
		5453.36	53.66	-0.34	54	44.6	34.66	10.82	36.42	201	79	A	V
		5536	110.01	-	-	100.75	34.74	10.93	36.41	201	79	P	V
		5536	101.27	-	-	92.01	34.74	10.93	36.41	201	79	A	V
		5742.92	53.81	-14.49	68.3	44.23	34.99	11.21	36.62	201	79	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**UNII-2C 5470~5725MHz****WIFI 802.11ax HE80 Full (Harmonic @ 3m)**

WIFI Ant. MIMO	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		11059	44.72	-29.28	74	57.28	37.85	16.08	66.49	300	0	P	H
CH 106 5530MHz		11059	43.95	-30.05	74	56.51	37.85	16.08	66.49	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

WIFI 802.11ax HE80 Full (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.	
MIMO		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full LF		62.01	31.22	-8.78	40	50.2	12.02	1.1	32.1	-	-	P	H
		117.3	30.23	-13.27	43.5	43.35	17.44	1.61	32.17	-	-	P	H
		167.74	36.07	-7.43	43.5	50.43	15.86	1.88	32.1	-	-	P	H
		332.64	35.91	-10.09	46	45.41	19.97	2.69	32.16	-	-	P	H
		499.48	38.28	-7.72	46	43.56	23.98	3.14	32.4	-	-	P	H
		533.43	39.53	-6.47	46	43.76	24.93	3.17	32.33	-	-	P	H
		62.01	32.22	-7.78	40	51.2	12.02	1.1	32.1	-	-	P	V
		167.74	35.07	-8.43	43.5	49.43	15.86	1.88	32.1	-	-	P	V
		216.24	35.62	-10.38	46	50.4	15.26	2.09	32.13	-	-	P	V
		499.48	39.28	-6.72	46	44.56	23.98	3.14	32.4	-	-	P	V
		532.46	39.93	-6.07	46	44.19	24.91	3.17	32.34	-	-	P	V
		749.74	35.34	-10.66	46	35.37	28.2	4.07	32.3	-	-	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	Peak or Average
H/V	Horizontal or Vertical



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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

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

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

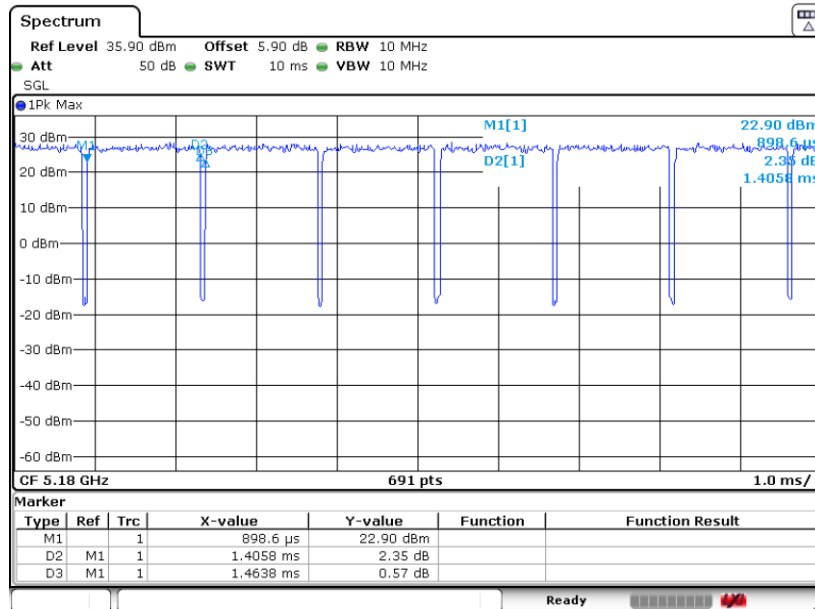


Appendix D. Duty Cycle Plots

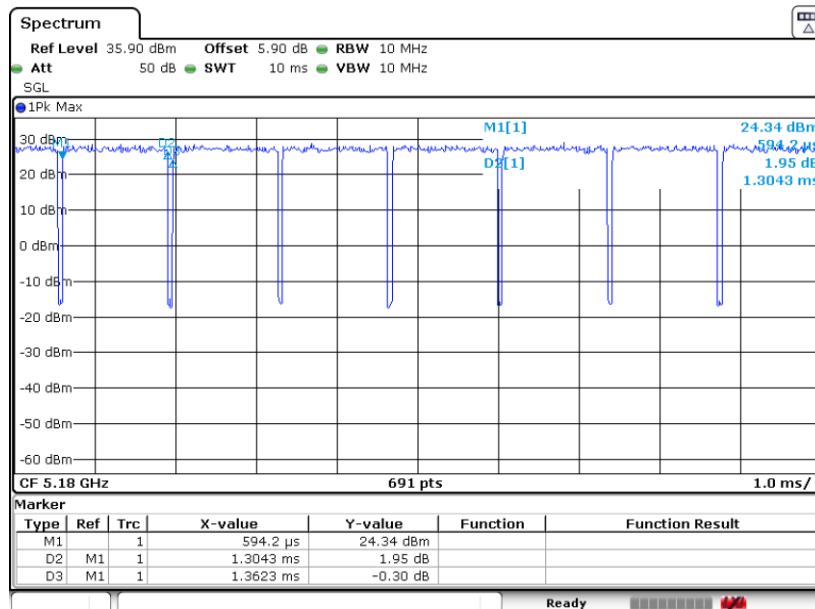
Antenna	Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
1+2(2)	802.11a	96.04	1.4058	0.7113	0.75kHz
1+2(1)	802.11n HT20	95.74	1.3043	0.7667	0.82kHz
1+2(1)	802.11n HT40	91.80	0.6493	1.5402	1.6kHz
1+2(1)	802.11ac VHT80	84.85	0.3246	3.0803	3.3kHz
1+2(1)	802.11ax HE20	84.50	0.3159	3.1652	3.3kHz
1+2(1)	802.11ax HE20 (Partial RU26)	96.15	1.4478	0.6907	0.75kHz
1+2(1)	802.11ax HE20 (Partial RU52)	94.02	0.9116	1.0970	1.1kHz
1+2(1)	802.11ax HE20 (Partial RU106)	91.47	0.6217	1.6084	1.8kHz
1+2(1)	802.11ax HE40	84.38	0.3130	3.1945	3.3kHz
1+2(1)	802.11ax HE40 (Partial RU242)	88.46	0.4667	2.1428	2.2kHz
1+2(2)	802.11ax HE80	83.74	0.2986	3.3495	3.6kHz
1+2(1)	802.11ax HE80 (Partial RU484)	88.02	0.4261	2.3469	2.4kHz



802.11a

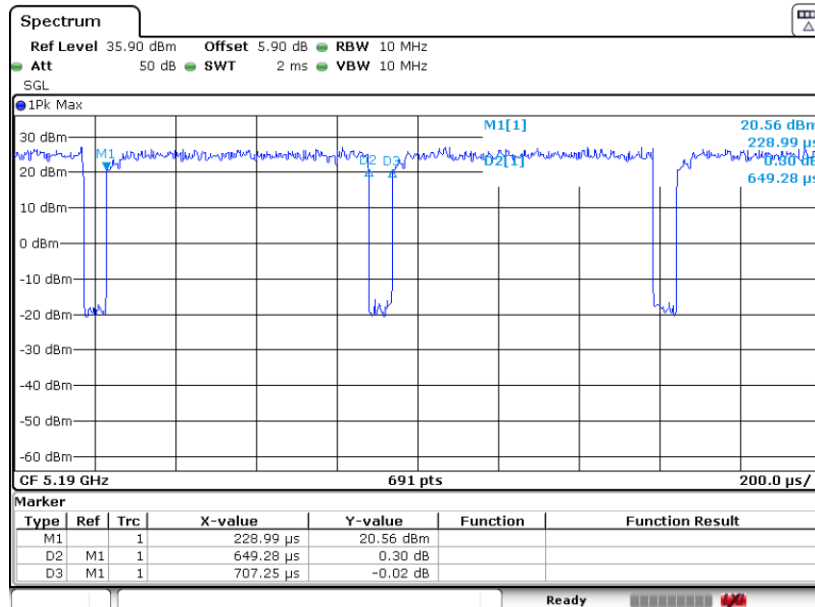


802.11n HT20

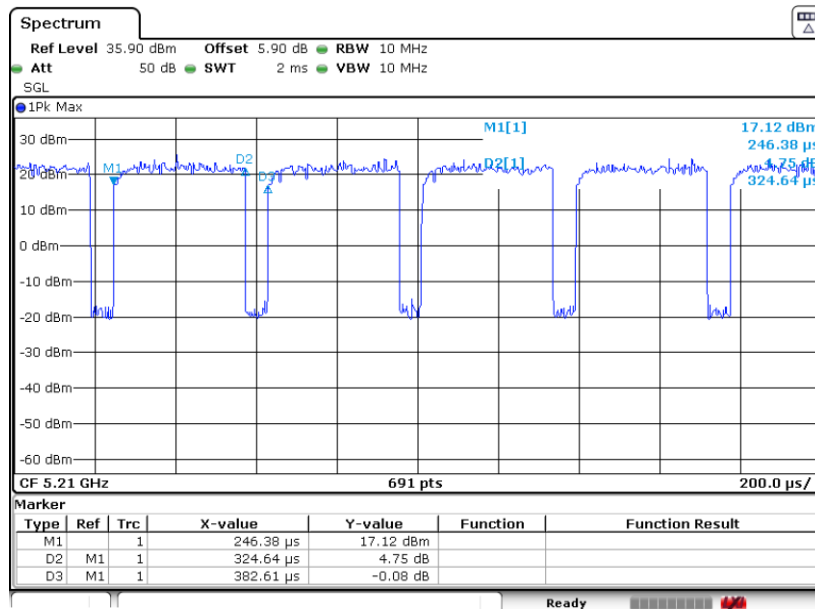




802.11n HT40

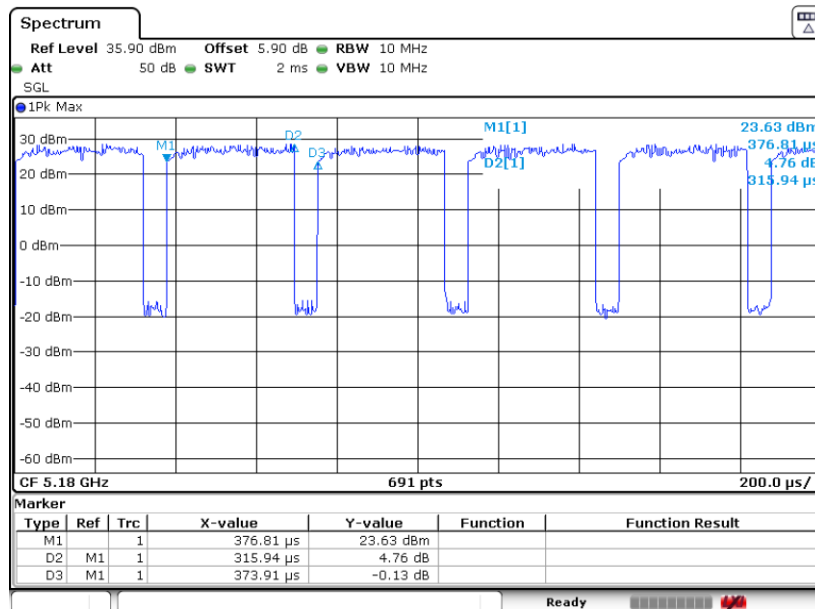


802.11ac VHT80

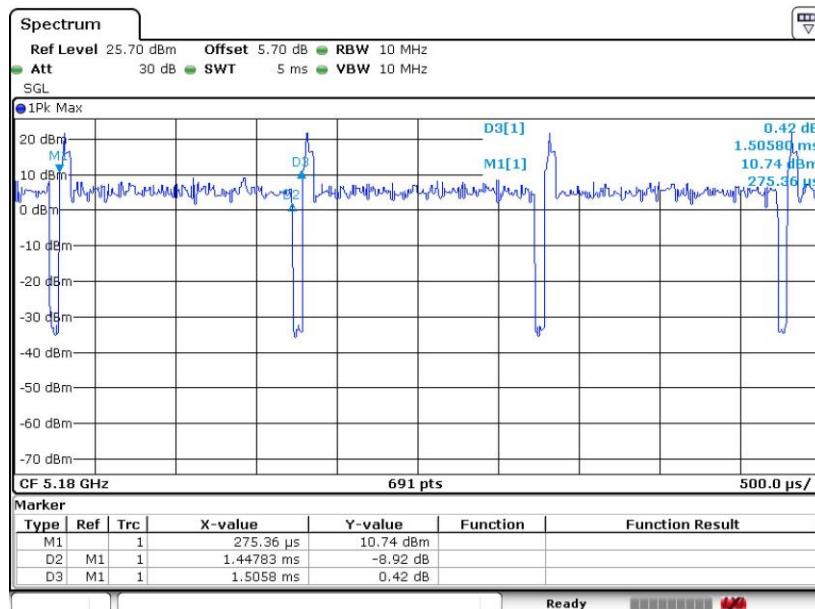




802.11ax HE20

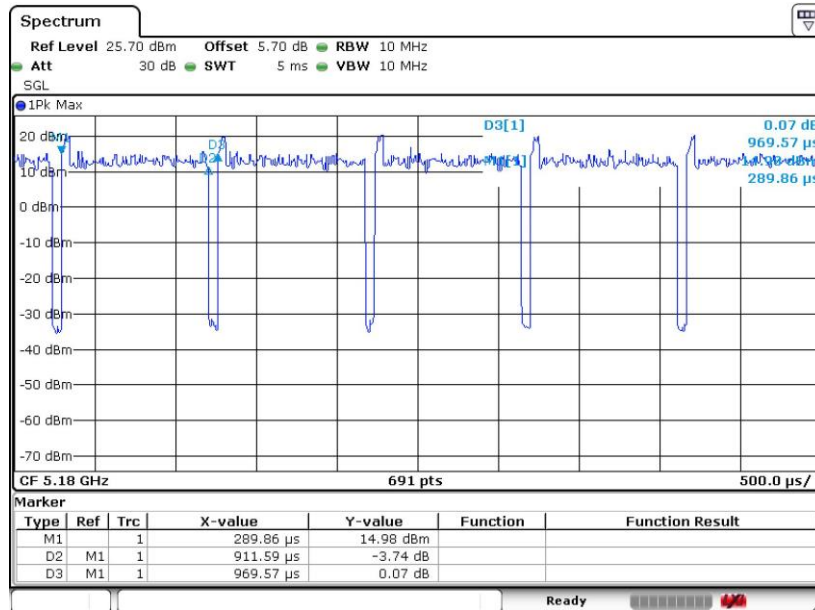


802.11ax HE20 (Partial RU26)

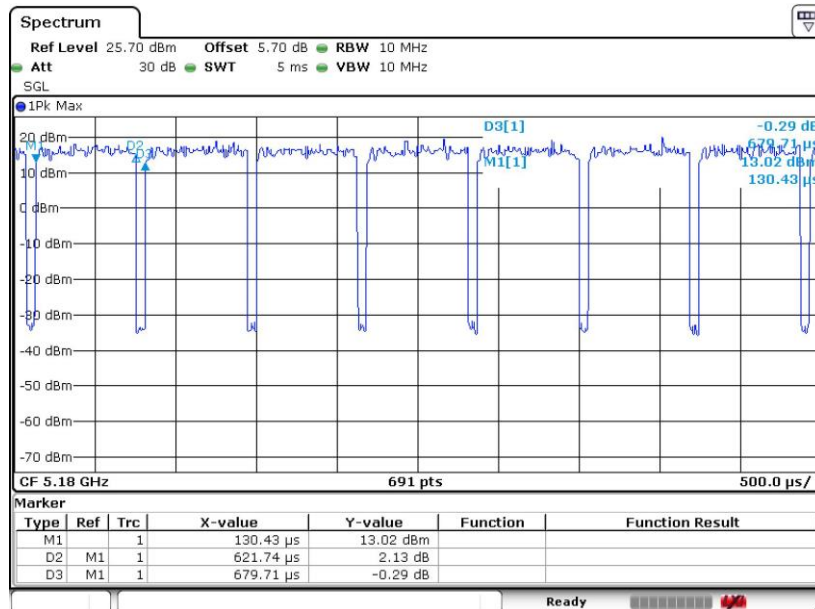




802.11ax HE20 (Partial RU52)

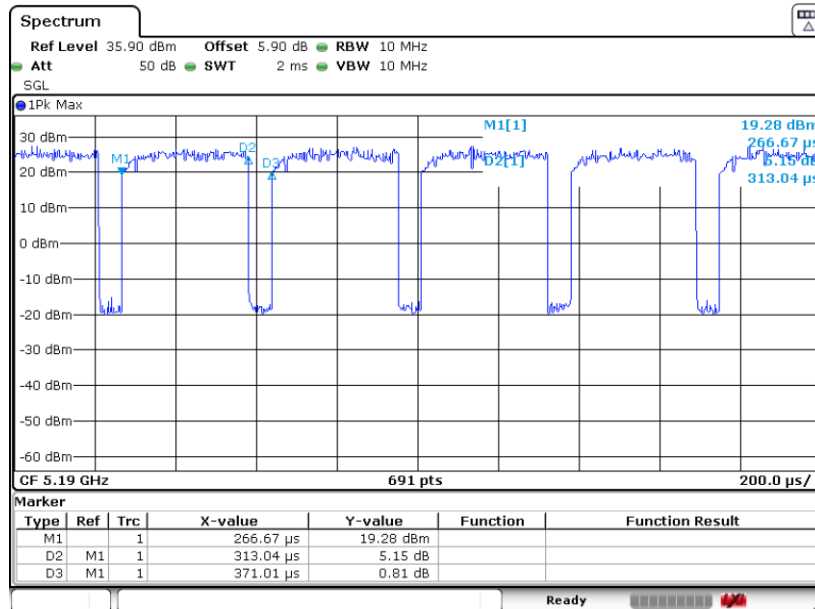


802.11ax HE20 (Partial RU106)

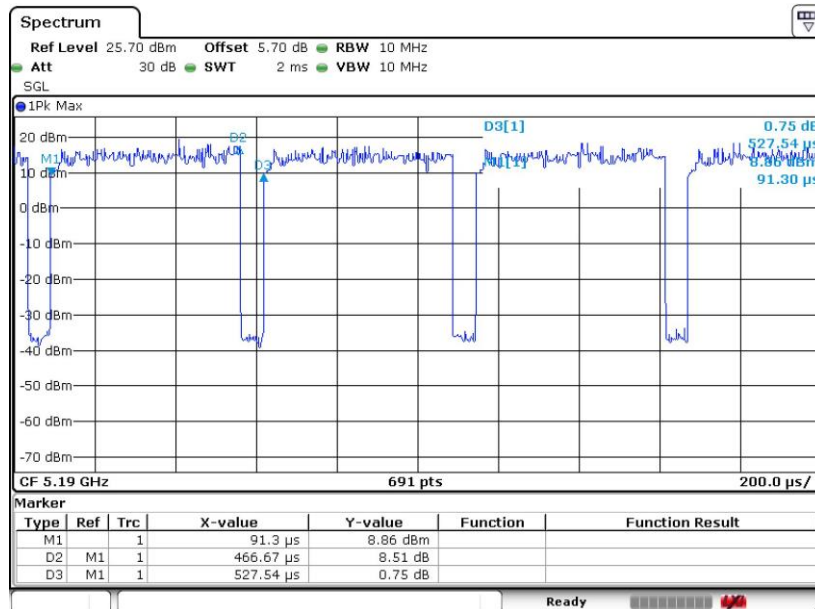




802.11ax HE40

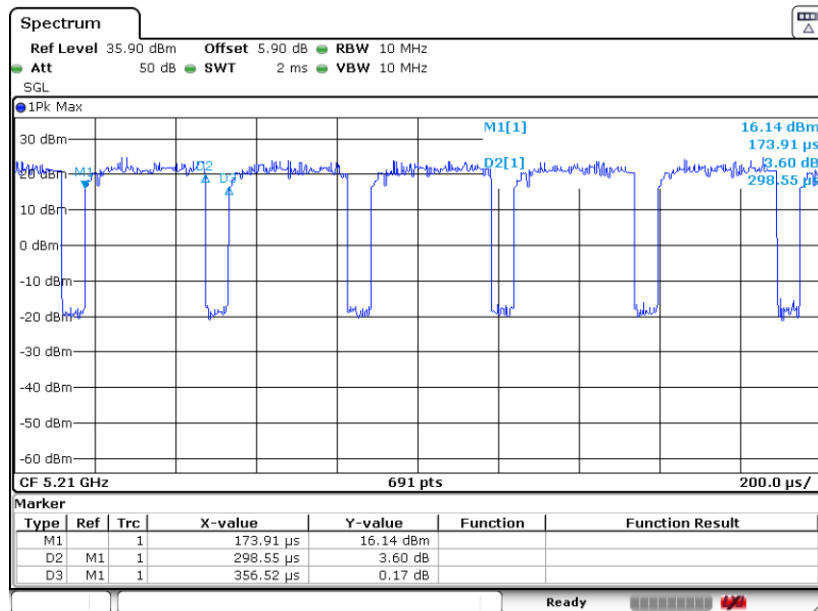


802.11ax HE40 (Partial RU242)

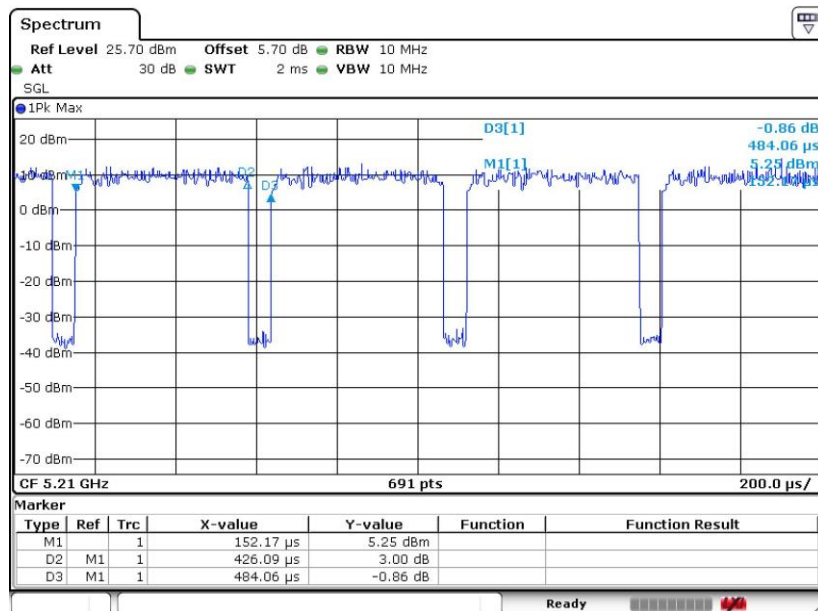




802.11ax HE80



802.11ax HE80 (Partial RU484)

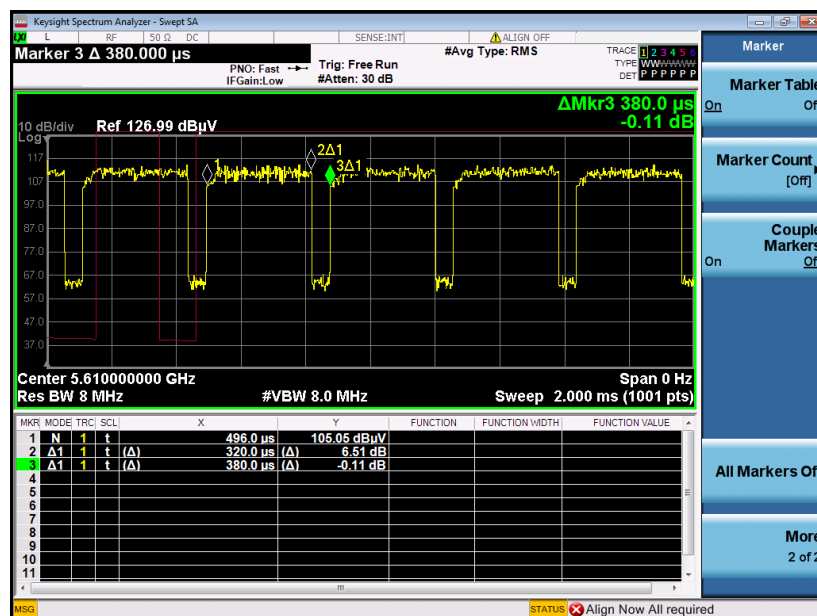


For Spot Check

Antenna	Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
1+2	802.11ac VHT80	84.21	0.320	3.125	3.3KHz
1+2	802.11ax HE20	94.48	1.026	0.975	1KHz
1+2	802.11ax HE80	83.62	0.296	3.378	3.6KHz

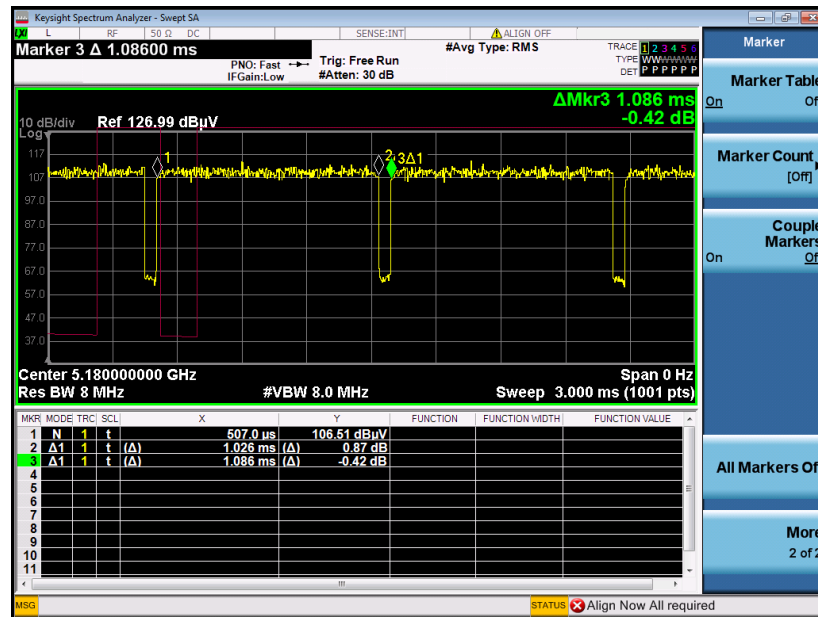
<MIMO Ant.1+2>

802.11ac VHT80





802.11ax HE20



802.11ax HE80

