FCC RF Test Report

FCC ID	:	UZ7ET45BA
EQUIPMENT	:	Tablet
BRAND NAME	:	Zebra
MODEL NAME	:	ET45BA
APPLICANT	:	Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742
MANUFACTURER	:	Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure
TEST DATE(S)	:	Jun. 07, 2022 ~ Jul. 17, 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.

Jason Jia

Approved by: Jason Jia

ACCREDITED
Cert #5145.02

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

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR230408E	Rev. 01	Initial issue of report	Aug. 04, 2022

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit for U-NII-1 ~ U-NII-2C	Limit for U-NII-3	Result	Remark
3.1	2.1049 & 15.403(i)	26dB & 99% Bandwidth	-	> 500kHz	Report only	-
3.2	15.407(a)	Maximum Conducted Output Power	≤ 24 dBm	≤ 30 dBm	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 11 dBm	≤ 30 dBm/500kHz	Pass	-
3.4	15.407(b)	Unwanted Emissions	15.407(b) & 15.209(a)	15.407(b)(4)(i) &15.209(a)	Pass	Under limit 1.06 dB at 5149.28 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	15.207(a)	Pass	Under limit 16.51 dB at 0.152 MHz
3.6	15.203 & 15.407(a)	Antenna Requirement	15.203 & 15.407(a)	15.203 & 15.407(a)	Pass	-

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

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Tablet
Brand Name	Zebra
Model Name	ET45BA
FCC ID	UZ7ET45BA
HW Version	EV2-2
SW Version	ET45USERDEBUG 11 11-10-12.00-RG-U00-PRD-GSE MXJ release-keys
MFD	12MAY22
EUT Stage	Identical Prototype

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

Specification of Accessory				
Battery	**Brand Name**	Zebra	**Model Number**	BT-000455

Specification of Accessory				
AC Adapter	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0US
Earphone 1	**Brand Name**	Zebra	**Part Number**	HDST-35MM-PTVP-01
Earphone 2	**Brand Name**	Zebra	**Part Number**	HDST-USBC-PTT1-01
USB Cable (Type C to Type A)	**Brand Name**	Zebra	**Part Number**	CBL-TC5X-USBC2A-01
Type C-Audio Cable (Type C to 3.5mm)	**Brand Name**	Zebra	**Part Number**	ADP-USBC-35MM1-01

1.2 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 5745 MHz ~ 5825 MHz
Maximum Output Power to Antenna	**<MIMO Ant. 1+2>** **<5180 MHz ~ 5240 MHz>** 802.11a : 20.63 dBm / 0.1156 W 802.11n HT20 : 20.66 dBm / 0.1164 W 802.11n HT40 : 21.73 dBm / 0.1489 W 802.11ac VHT20 : 20.96 dBm / 0.1247 W 802.11ac VHT40 : 21.81 dBm / 0.1517 W 802.11ac VHT80 : 18.29 dBm / 0.0675 W 802.11ax HE20 : 20.98 dBm / 0.1253 W 802.11ax HE40 : 22.12 dBm / 0.1629 W 802.11ax HE80 : 18.35 dBm / 0.0684 W **<5260 MHz ~ 5320 MHz>** 802.11a : 20.78 dBm / 0.1197 W 802.11n HT20 : 20.55 dBm / 0.1135 W 802.11n HT40 : 21.97 dBm / 0.1574 W 802.11ac VHT20 : 20.72 dBm / 0.1180 W 802.11ac VHT40 : 21.98 dBm / 0.1578 W 802.11ac VHT80 : 17.09 dBm / 0.0512 W 802.11ax HE20 : 20.81 dBm / 0.1205 W 802.11ax HE40 : 22.30 dBm / 0.1698 W 802.11ax HE80 : 17.23 dBm / 0.0528 W **<5500 MHz ~ 5720 MHz >** 802.11a : 21.19 dBm / 0.1315 W 802.11n HT20 : 20.90 dBm / 0.1230 W 802.11n HT40 : 21.93 dBm / 0.1560 W 802.11ac VHT20 : 20.94 dBm / 0.1242 W 802.11ac VHT40 : 22.04 dBm / 0.1600 W 802.11ac VHT80 : 22.43 dBm / 0.1750 W 802.11ax HE20 : 20.95 dBm / 0.1245 W 802.11ax HE40 : 22.30 dBm / 0.1698 W 802.11ax HE80 : 22.50 dBm / 0.1778 W **<5745 MHz ~ 5825 MHz>** 802.11a : 23.32 dBm / 0.2148 W 802.11n HT20 : 23.22 dBm / 0.2099 W 802.11n HT40 : 21.66 dBm / 0.1466 W 802.11ac VHT20 : 23.27 dBm / 0.2123 W 802.11ac VHT40 : 21.76 dBm / 0.1500 W 802.11ac VHT80 : 22.18 dBm / 0.1652 W 802.11ax HE20 : 23.29 dBm / 0.2133 W 802.11ax HE40 : 22.04 dBm / 0.1600 W 802.11ax HE80 : 22.39 dBm / 0.1734 W
99% Occupied Bandwidth	**<5180 MHz ~ 5250 MHz>** 802.11a : 17.74 MHz 802.11ax HE20 : 19.34 MHz 802.11ax HE40 : 38.12 MHz 802.11ax HE80 : 78.00 MHz **<5260 MHz ~ 5320 MHz >** 802.11a : 17.78 MHz 802.11ax HE20 : 19.38 MHz

<table>
<tr><td></td><td>802.11ax HE40 : 38.12 MHz
802.11ax HE80 : 78.16 MHz
<5500 MHz ~ 5720 MHz >
802.11a : 17.94 MHz
802.11ax HE20 : 19.18 MHz
802.11ax HE40 : 38.28 MHz
802.11ax HE80 : 78.48 MHz
<5745 MHz ~ 5825 MHz>
802.11a : 19.58 MHz
802.11ax HE20 : 19.58 MHz
802.11ax HE40 : 38.12 MHz
802.11ax HE80 : 78.16 MHz</td></tr>
<tr><td>Antenna Type / Gain</td><td><5180 MHz ~ 5240 MHz>
<Ant. 1> : IFA Antenna with gain 1.68 dBi
<Ant. 2> : IFA Antenna with gain 0.87 dBi
Beamforming Gain : 4.29 dB
<5260 MHz ~ 5320 MHz>
<Ant. 1> : IFA Antenna with gain 1.68 dBi
<Ant. 2> : IFA Antenna with gain 1.35 dBi
Beamforming Gain : 4.53 dB
<5500 MHz ~ 5700 MHz>
<Ant. 1> : IFA Antenna with gain 1.22 dBi
<Ant. 2> : IFA Antenna with gain 2.34 dBi
Beamforming Gain : 4.81 dB
<5745 MHz ~ 5825 MHz>
<Ant. 1> : IFA Antenna with gain 1.52 dBi
<Ant. 2> : IFA Antenna with gain 1.72 dBi
Beamforming Gain : 4.63 dB</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac/ax : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)</td></tr>
<tr><td>Antenna Function Description</td><td><table>
<tr><td></td><td>Ant. 1</td><td>Ant. 2</td></tr>
<tr><td>802.11 a/n/ac/ax SISO</td><td>V</td><td>V</td></tr>
<tr><td>802.11 a/n/ac/ax MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11 n/ax Tx Beamforming</td><td>V</td><td>V</td></tr>
</table></td></tr>
</table>

Note:

1. For 802.11n/ac/ax 20/40/80MHz mode, the whole testing has assessed only 802.11ax HE20/HE40/HE80MHz by referring to the higher output power.
2. 802.11ax support OFDMA full RU tone and partial RU tone, both full RU and partial RU-left (for low CH) and partial RU-right (for high CH) test Power/PSD/RSE, the full RU power > partial RU, therefore the full RU perform full test and Partial RU verified power/PSD/RSE.
3. WIFI MIMO only support CDD by manufacturer declared.
4. WLAN 5G Ant. 1 / Ant. 2 corresponding to EUT Photo Ant. 6 / Ant. 7.

1.3 Modification of EUT

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

1.4 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 03CH07-KS TH01-KS	CN1257	314309

1.5 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH07-KS	AUDIX	E3	6.2009-8-24al
2.	CO01-KS	AUDIX	E3	6.2009-8-24

1.6 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5180-5240 MHz U-NII-1	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5260-5320 MHz U-NII-2A	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5500- 5720 MHz U-NII-2C	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

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

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

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

Note:

1. The above Frequency and Channel in "*" were 802.11n HT40 and 802.11ac VHT40 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**
802.11ax HE20	**MCS0**
802.11ax HE40	**MCS0**
802.11ax HE80	**MCS0**

Test Cases	
AC Conducted Emission	Mode 1 : LTE Band 5 Idle + Bluetooth Link + WLAN Link(5G) + Battery(BT-000455) + USB Cable(CBL-TC5X-USBC2A-01) + Charging from AC Adapter (PWR-WUA5V12W0US)

Remark:

1. RSE Co-location mode is combination from the worst BT/WLAN TX mode and WWAN Link mode.
2. For Radiated Test Cases, the tests were performed with Adapter and USB Cable.

Ch. #		U-NII-1 : 5180-5240 MHz	U-NII-2A : 5260-5320 MHz	U-NII-2C : 5500- 5720 MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		U-NII-1 : 5180-5240 MHz	U-NII-2A : 5260-5320 MHz	U-NII-2C : 5500- 5720 MHz
		802.11ax HE20	802.11ax HE20	802.11ax HE20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		U-NII-1 : 5180-5240 MHz	U-NII-2A : 5260-5320 MHz	U-NII-2C : 5500- 5720 MHz
		802.11ax HE40	802.11ax HE40	802.11ax HE40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		U-NII-1 : 5180-5240 MHz	U-NII-2A : 5260-5320 MHz	U-NII-2C : 5500- 5720 MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

Ch. #		U-NII-3 : 5745-5825 MHz			
		802.11a	802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

<802.11a>

Channel	Frequency(MHz)	ANT	Data Rate							
			6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
CH 036	5180 MHz	1+2	20.14	-	-	-	-	-	-	-
CH 044	5220 MHz	1+2	20.58	-	-	-	-	-	-	-
CH 048	5240 MHz	1+2	20.63	20.42	20.25	20.27	20.35	20.48	20.50	20.35
CH 052	5260 MHz	1+2	20.78	20.44	20.28	20.31	20.33	20.54	20.57	20.40
CH 060	5300 MHz	1+2	20.70	-	-	-	-	-	-	-
CH 064	5320 MHz	1+2	20.64	-	-	-	-	-	-	-
CH 100	5500 MHz	1+2	21.19	20.83	20.70	20.66	20.78	20.95	20.93	20.79
CH 116	5580 MHz	1+2	19.43	-	-	-	-	-	-	-
CH 140	5700 MHz	1+2	17.96	-	-	-	-	-	-	-
CH 144	5720 MHz	1+2	21.01	-	-	-	-	-	-	-
CH 149	5745 MHz	1+2	23.32	23.22	23.11	23.18	23.24	23.18	23.26	23.20
CH 157	5785 MHz	1+2	23.30	-	-	-	-	-	-	-
CH 165	5825 MHz	1+2	23.31	-	-	-	-	-	-	-

<802.11n HT20>

Channel	Frequency(MHz)	ANT	Data Rate							
			MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7
CH 036	5180 MHz	1+2	20.23	-	-	-	-	-	-	-
CH 044	5220 MHz	1+2	20.29	-	-	-	-	-	-	-
CH 048	5240 MHz	1+2	20.66	20.44	20.45	20.30	20.47	20.44	20.37	20.32
CH 052	5260 MHz	1+2	20.55	20.43	20.41	20.35	20.01	20.42	20.40	20.35
CH 060	5300 MHz	1+2	20.46	-	-	-	-	-	-	-
CH 064	5320 MHz	1+2	20.39	-	-	-	-	-	-	-
CH 100	5500 MHz	1+2	20.65	-	-	-	-	-	-	-
CH 116	5580 MHz	1+2	20.57	-	-	-	-	-	-	-
CH 140	5700 MHz	1+2	18.71	-	-	-	-	-	-	-
CH 144	5720 MHz	1+2	20.90	20.73	20.71	20.66	20.78	20.30	20.80	20.73
CH 149	5745 MHz	1+2	23.22	23.20	23.12	23.02	23.00	23.03	23.05	23.03
CH 157	5785 MHz	1+2	23.20	-	-	-	-	-	-	-
CH 165	5825 MHz	1+2	23.10	-	-	-	-	-	-	-

<802.11n HT40>

Channel	Frequency (MHz)	ANT	Data Rate							
			MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7
CH 038	5190 MHz	1+2	18.39	-	-	-	-	-	-	-
CH 046	5230 MHz	1+2	21.73	21.62	21.61	21.56	21.65	21.62	21.58	21.52
CH 054	5270 MHz	1+2	21.97	21.71	21.60	21.65	21.84	21.79	21.78	21.85
CH 062	5310 MHz	1+2	17.80	-	-	-	-	-	-	-
CH 102	5510 MHz	1+2	17.72	-	-	-	-	-	-	-
CH 110	5550 MHz	1+2	19.46	-	-	-	-	-	-	-
CH 134	5670 MHz	1+2	18.98	-	-	-	-	-	-	-
CH 142	5710 MHz	1+2	21.93	21.82	21.76	21.68	21.70	21.66	21.64	21.63
CH 151	5755 MHz	1+2	21.66	21.53	21.47	21.48	21.62	21.61	21.52	21.56
CH 159	5795 MHz	1+2	21.48	-	-	-	-	-	-	-

<802.11ac VHT20>

Channel	Frequency (MHz)	ANT	Data Rate								
			MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS8
CH 036	5180 MHz	1+2	20.26	-	-	-	-	-	-	-	-
CH 044	5220 MHz	1+2	20.96	20.82	20.90	20.82	20.84	20.85	20.81	20.85	20.65
CH 048	5240 MHz	1+2	20.67	-	-	-	-	-	-	-	-
CH 052	5260 MHz	1+2	20.72	20.67	20.65	20.69	20.63	20.63	20.56	20.56	20.63
CH 060	5300 MHz	1+2	20.49	-	-	-	-	-	-	-	-
CH 064	5320 MHz	1+2	20.41	-	-	-	-	-	-	-	-
CH 100	5500 MHz	1+2	20.72	-	-	-	-	-	-	-	-
CH 116	5580 MHz	1+2	20.63	-	-	-	-	-	-	-	-
CH 140	5700 MHz	1+2	18.77	-	-	-	-	-	-	-	-
CH 144	5720 MHz	1+2	20.94	20.88	20.90	20.80	20.83	20.89	20.89	20.77	20.89
CH 149	5745 MHz	1+2	23.27	23.22	23.12	23.02	23.05	23.01	22.76	22.65	22.64
CH 157	5785 MHz	1+2	23.23	-	-	-	-	-	-	-	-
CH 165	5825 MHz	1+2	23.16	-	-	-	-	-	-	-	-

<802.11ac VHT40>

Channel	Frequency (MHz)	ANT	Data Rate									
			MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
CH 038	5190 MHz	1+2	18.40	-	-	-	-	-	-	-	-	-
CH 046	5230 MHz	1+2	21.81	21.77	21.72	21.62	21.72	21.78	21.70	21.71	21.75	21.65
CH 054	5270 MHz	1+2	21.98	21.72	21.69	21.71	21.78	21.82	21.68	21.66	21.70	21.62
CH 062	5310 MHz	1+2	17.79	-	-	-	-	-	-	-	-	-
CH 102	5510 MHz	1+2	17.71	-	-	-	-	-	-	-	-	-
CH 110	5550 MHz	1+2	21.93	-	-	-	-	-	-	-	-	-
CH 134	5670 MHz	1+2	18.97	-	-	-	-	-	-	-	-	-
CH 142	5710 MHz	1+2	22.04	21.97	21.97	21.85	21.88	21.84	21.88	21.84	21.77	21.69
CH 151	5755 MHz	1+2	21.76	21.70	21.70	21.60	21.70	21.58	21.60	21.62	21.55	21.47
CH 159	5795 MHz	1+2	21.65	-	-	-	-	-	-	-	-	-

<802.11ac VHT80>

Channel	Frequency (MHz)	ANT	Data Rate									
			MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
CH 042	5210 MHz	1+2	18.29	18.09	18.18	18.10	18.09	18.19	18.12	18.15	18.03	17.98
CH 058	5290 MHz	1+2	17.09	16.96	16.93	16.85	17.02	16.93	16.91	16.96	16.96	16.77
CH 106	5530 MHz	1+2	17.03	-	-	-	-	-	-	-	-	-
CH 122	5610 MHz	1+2	20.14	-	-	-	-	-	-	-	-	-
CH 138	5690 MHz	1+2	22.43	22.26	22.24	22.17	22.26	22.30	22.31	22.11	22.13	21.97
CH 155	5775 MHz	1+2	22.18	22.01	22.01	21.96	22.07	21.98	22.04	21.85	21.94	21.81

<802.11ax HE20>

Channel	Frequency (MHz)	ANT	Data Rate											
			MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS8	MCS 9	MCS 10	MCS 11
CH 036	5180 MHz	1+2	20.27	-	-	-	-	-	-	-	-	-	-	-
CH 044	5220 MHz	1+2	20.98	20.82	20.77	20.73	20.63	20.69	20.77	20.66	20.68	20.71	20.67	20.75
CH 048	5240 MHz	1+2	20.81	-	-	-	-	-	-	-	-	-	-	-
CH 052	5260 MHz	1+2	20.81	20.49	20.43	20.59	20.54	20.49	20.52	20.50	20.48	20.52	20.59	20.50
CH 060	5300 MHz	1+2	20.54	-	-	-	-	-	-	-	-	-	-	-
CH 064	5320 MHz	1+2	20.52	-	-	-	-	-	-	-	-	-	-	-
CH 100	5500 MHz	1+2	20.75	-	-	-	-	-	-	-	-	-	-	-
CH 116	5580 MHz	1+2	20.71	-	-	-	-	-	-	-	-	-	-	-
CH 140	5700 MHz	1+2	18.84	-	-	-	-	-	-	-	-	-	-	-
CH 144	5720 MHz	1+2	20.95	20.92	20.88	20.78	20.78	20.84	20.78	20.74	20.73	20.72	20.78	20.73
CH 149	5745 MHz	1+2	23.27	-	-	-	-	-	-	-	-	-	-	-
CH 157	5785 MHz	1+2	23.29	23.22	23.15	23.07	23.07	23.06	22.94	22.90	22.89	22.84	22.84	22.84
CH 165	5825 MHz	1+2	23.22	-	-	-	-	-	-	-	-	-	-	-

<802.11ax HE40>

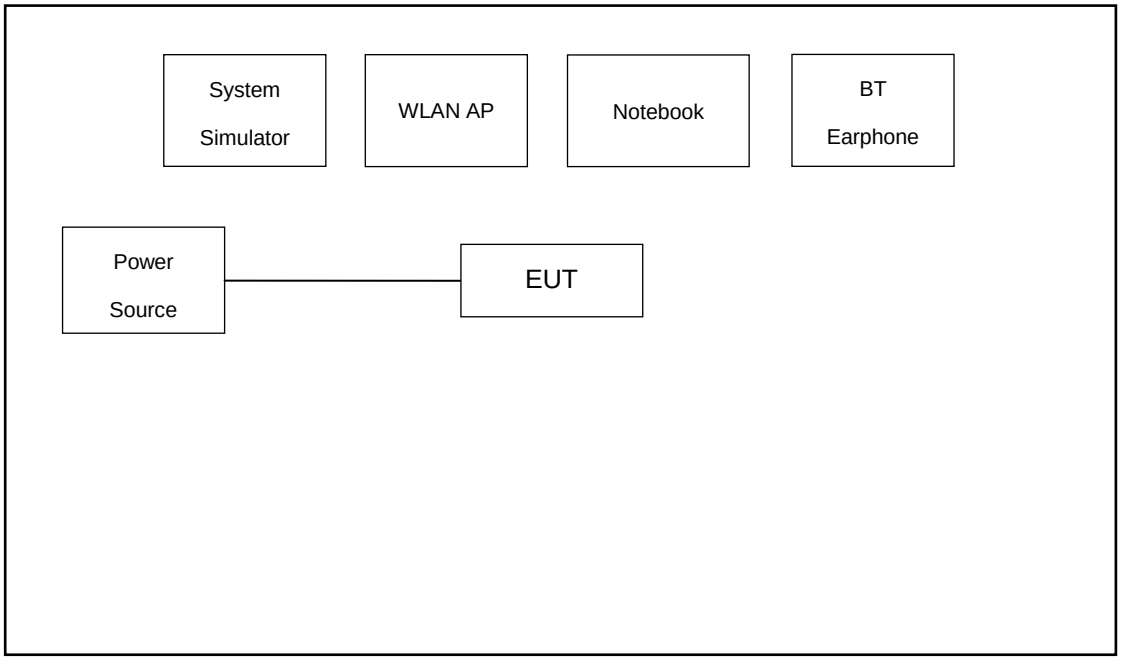
Channel	Frequency (MHz)	ANT	Data Rate											
			MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS8	MCS 9	MCS 10	MCS 11
CH 038	5190 MHz	1+2	18.45	-	-	-	-	-	-	-	-	-	-	-
CH 046	5230 MHz	1+2	22.12	22.00	22.04	22.02	22.05	21.85	21.87	21.82	21.75	21.84	21.77	21.81
CH 054	5270 MHz	1+2	22.30	22.24	22.19	22.17	22.24	22.18	22.19	22.11	22.14	22.14	22.09	22.03
CH 062	5310 MHz	1+2	17.84	-	-	-	-	-	-	-	-	-	-	-
CH 102	5510 MHz	1+2	17.80	-	-	-	-	-	-	-	-	-	-	-
CH 110	5550 MHz	1+2	22.26	-	-	-	-	-	-	-	-	-	-	-
CH 134	5670 MHz	1+2	19.17	-	-	-	-	-	-	-	-	-	-	-
CH 142	5710 MHz	1+2	22.30	22.26	22.24	22.24	22.25	22.13	22.05	22.00	22.03	22.04	21.94	21.96
CH 151	5755 MHz	1+2	22.04	21.89	21.70	21.64	21.86	21.89	21.84	21.66	21.68	21.63	21.52	21.45
CH 159	5795 MHz	1+2	21.94	-	-	-	-	-	-	-	-	-	-	-

<802.11ax HE80>

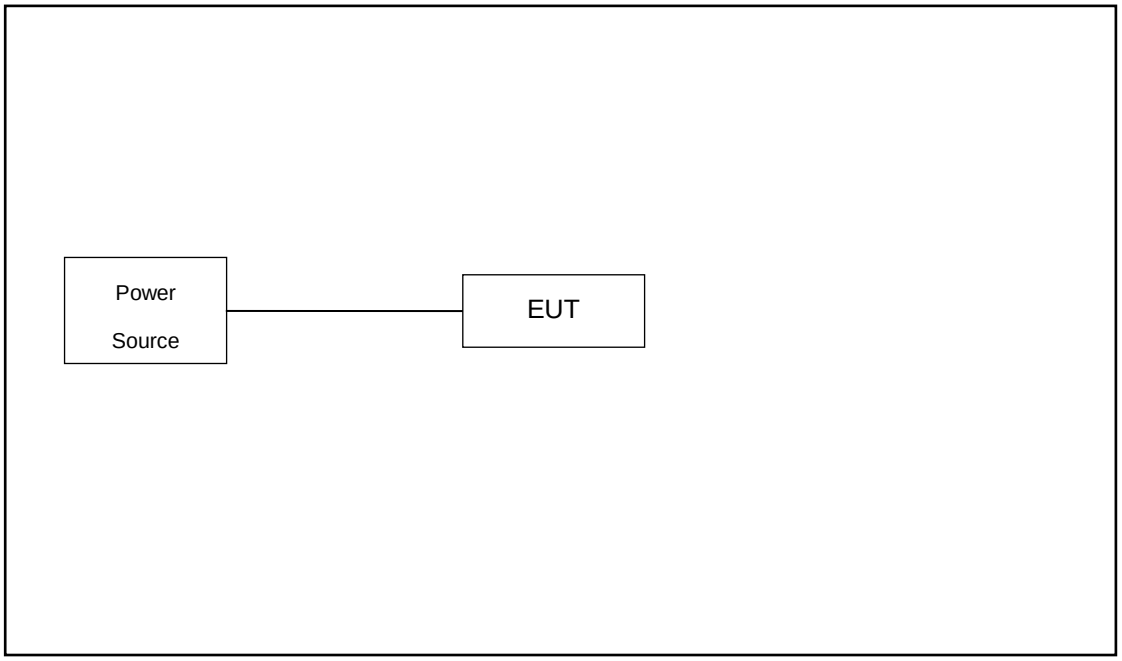
Channel	Frequency (MHz)	ANT	Data Rate											
			MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS8	MCS 9	MCS 10	MCS 11
CH 042	5210 MHz	1+2	18.35	18.25	18.27	18.30	18.18	18.28	18.28	18.22	18.05	17.95	18.30	18.16
CH 058	5290 MHz	1+2	17.23	17.19	17.19	17.12	17.17	17.14	16.96	17.14	17.06	16.83	16.76	16.72
CH 106	5530 MHz	1+2	17.18	-	-	-	-	-	-	-	-	-	-	-
CH 122	5610 MHz	1+2	20.23	-	-	-	-	-	-	-	-	-	-	-
CH 138	5690 MHz	1+2	22.50	22.44	22.43	22.37	22.33	22.39	22.38	22.18	22.16	21.98	21.42	21.83
CH 155	5775 MHz	1+2	22.39	22.33	22.20	22.12	22.20	22.12	21.97	22.03	21.97	21.82	21.95	21.77

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.	Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8m
2.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded, 1.8m
3.	Notebook	Lenovo	V130-15IKB005	N/A	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Bluetooth Earphone	Lenovo	LBH308	N/A	N/A	N/A

2.5 EUT Operation Test Setup

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

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 7.25 dB and 10dB attenuator.

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

= 7.25 + 10 = 17.25 (dB)

3 Test Result

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

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

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

26dB and 99% Occupied bandwidth are reporting only.

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.

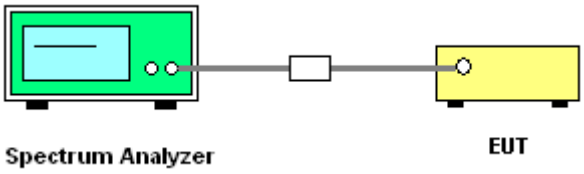
3.1.3 Test Procedures

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

☒	Section C) Bandwidth Measurement 1. Emission Bandwidth (EBW)
	1. Set RBW = approximately 1% of the emission bandwidth. **2.** Set the VBW > RBW. **3.** Detector = Peak. **4.** Trace mode = max hold **5.** 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%, Set the VBW > RBW. **6.** For 6dB BW, Set RBW = 100kHz, Set the VBW ≥ 3 x RBW. **7.** For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1%~5% of OBW and set the Video bandwidth (VBW) ≥ 3 * RBW. **8.** Measure and record the results in the test report.

☒	Section C) Bandwidth Measurement 2. Minimum Emission Bandwidth for the band 5.725 - 5.85 GHz
	1. Set RBW = 100kHz. **2.** Set the VBW ≥ 3 x RBW. **3.** Detector = Peak. **4.** Trace mode = max hold **5.** Measure the maximum width of the emission that is 6 dB down from the peak of the emission. **6.** Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB & 26dB & 99% Occupied Bandwidth

Test Engineer:	Jiang Jun	Temperature:	21~25°C
		Relative Humidity:	51~54%

Test Mode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	21.00	5169.48	5190.48	---	---
	Ant2	5180	20.96	5169.48	5190.44	---	---
	Ant1	5220	20.96	5209.48	5230.44	---	---
	Ant2	5220	21.24	5209.36	5230.60	---	---
	Ant1	5240	21.04	5229.52	5250.56	---	---
	Ant2	5240	21.40	5229.52	5250.92	---	---
	Ant1	5260	21.48	5249.20	5270.68	---	---
	Ant2	5260	21.44	5249.24	5270.68	---	---
	Ant1	5300	21.08	5289.40	5310.48	---	---
	Ant2	5300	21.32	5289.40	5310.72	---	---
	Ant1	5320	21.12	5309.32	5330.44	---	---
	Ant2	5320	21.60	5309.12	5330.72	---	---
	Ant1	5500	21.12	5489.36	5510.48	---	---
	Ant2	5500	21.56	5489.16	5510.72	---	---
	Ant1	5580	21.24	5569.32	5590.56	---	---
	Ant2	5580	22.08	5569.44	5591.52	---	---
	Ant1	5700	21.16	5689.28	5710.44	---	---
	Ant2	5700	21.84	5689.04	5710.88	---	---
	Ant1	5720	21.16	5709.40	5730.56	---	---
	Ant2	5720	22.24	5708.92	5731.16	---	---
	Ant1	5745	29.76	5729.56	5759.32	---	---
	Ant2	5745	29.52	5730.28	5759.80	---	---
	Ant1	5785	28.16	5770.96	5799.12	---	---
	Ant2	5785	31.72	5769.52	5801.24	---	---
	Ant1	5825	30.80	5809.52	5840.32	---	---
	Ant2	5825	**34.96**	5806.52	5841.48	---	---
11AX20MIMO	Ant1	5180	21.24	5169.48	5190.72	---	---
	Ant2	5180	21.00	5169.60	5190.60	---	---
	Ant1	5220	21.36	5209.36	5230.72	---	---
	Ant2	5220	21.32	5209.32	5230.64	---	---
	Ant1	5240	21.56	5229.24	5250.80	---	---
	Ant2	5240	22.12	5229.20	5251.32	---	---
	Ant1	5260	21.40	5249.20	5270.60	---	---
	Ant2	5260	21.60	5249.28	5270.88	---	---
	Ant1	5300	21.24	5289.36	5310.60	---	---
	Ant2	5300	21.16	5289.44	5310.60	---	---
	Ant1	5320	21.28	5309.32	5330.60	---	---
	Ant2	5320	21.20	5309.40	5330.60	---	---
	Ant1	5500	21.04	5489.44	5510.48	---	---
	Ant2	5500	21.20	5489.28	5510.48	---	---
	Ant1	5580	20.88	5569.48	5590.36	---	---
	Ant2	5580	22.24	5569.00	5591.24	---	---
	Ant1	5700	21.04	5689.44	5710.48	---	---

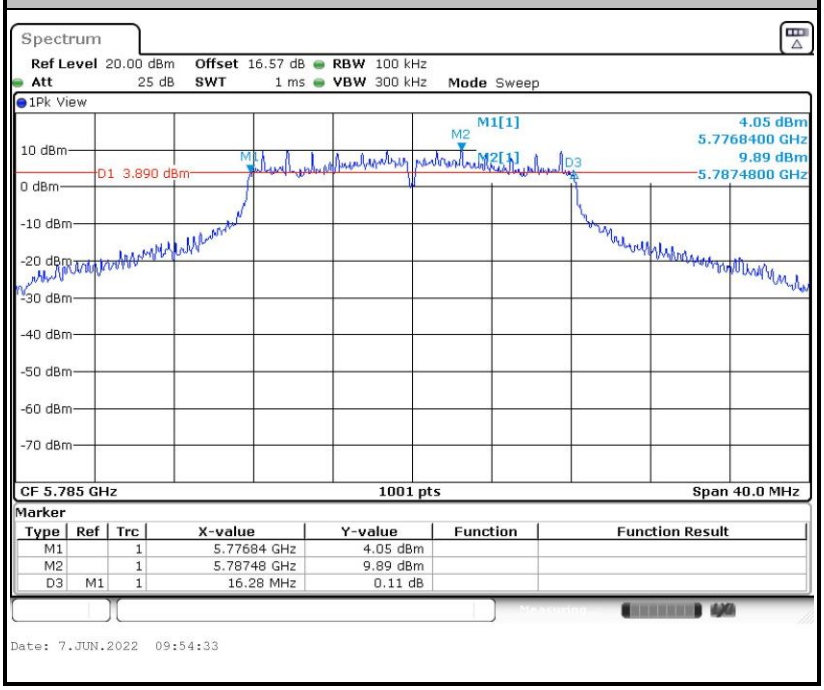
	Ant2	5700	21.40	5689.44	5710.84	---	---
	Ant1	5720	20.96	5709.52	5730.48	---	---
	Ant2	5720	20.96	5709.44	5730.40	---	---
	Ant1	5745	26.00	5732.36	5758.36	---	---
	Ant2	5745	32.40	5729.12	5761.52	---	---
	Ant1	5785	26.96	5771.20	5798.16	---	---
	Ant2	5785	30.40	5769.24	5799.64	---	---
	Ant1	5825	30.56	5809.48	5840.04	---	---
	Ant2	5825	30.44	5808.88	5839.32	---	---
11AX40MIMO	Ant1	5190	40.24	5169.92	5210.16	---	---
	Ant2	5190	46.00	5167.68	5213.68	---	---
	Ant1	5230	40.56	5209.68	5250.24	---	---
	Ant2	5230	56.96	5201.44	5258.40	---	---
	Ant1	5270	48.40	5249.68	5298.08	---	---
	Ant2	5270	45.76	5247.84	5293.60	---	---
	Ant1	5310	48.32	5289.84	5338.16	---	---
	Ant2	5310	53.60	5284.88	5338.48	---	---
	Ant1	5510	50.64	5484.08	5534.72	---	---
	Ant2	5510	53.92	5484.64	5538.56	---	---
	Ant1	5550	46.16	5527.60	5573.76	---	---
	Ant2	5550	56.88	5525.68	5582.56	---	---
	Ant1	5670	53.44	5645.92	5699.36	---	---
	Ant2	5670	**66.16**	5636.72	5702.88	---	---
	Ant1	5710	56.24	5683.52	5739.76	---	---
	Ant2	5710	62.56	5678.80	5741.36	---	---
	Ant1	5755	49.60	5730.20	5779.80	---	---
	Ant2	5755	43.84	5734.84	5778.68	---	---
	Ant1	5795	49.60	5770.44	5820.04	---	---
	Ant2	5795	54.56	5766.52	5821.08	---	---
11AX80MIMO	Ant1	5210	89.44	5169.20	5258.64	---	---
	Ant2	5210	89.12	5169.04	5258.16	---	---
	Ant1	5290	86.72	5244.72	5331.44	---	---
	Ant2	5290	100.96	5246.96	5347.92	---	---
	Ant1	5530	90.40	5488.88	5579.28	---	---
	Ant2	5530	122.72	5471.60	5594.32	---	---
	Ant1	5610	92.80	5569.04	5661.84	---	---
	Ant2	5610	126.40	5549.04	5675.44	---	---
	Ant1	5690	100.64	5647.76	5748.40	---	---
	Ant2	5690	**136.64**	5625.20	5761.84	---	---
	Ant1	5775	116.96	5714.84	5831.80	---	---
	Ant2	5775	103.84	5726.36	5830.20	---	---

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	17.742	5171.089	5188.831	---	---
	Ant2	5180	17.343	5171.329	5188.671	---	---
	Ant1	5220	17.742	5211.049	5228.791	---	---
	Ant2	5220	17.502	5211.249	5228.751	---	---
	Ant1	5240	17.622	5231.209	5248.831	---	---
	Ant2	5240	17.343	5231.369	5248.711	---	---
	Ant1	5260	17.782	5251.009	5268.791	---	---
	Ant2	5260	17.343	5251.289	5268.631	---	---
	Ant1	5300	17.702	5291.089	5308.791	---	---
	Ant2	5300	17.343	5291.329	5308.671	---	---
	Ant1	5320	17.742	5311.049	5328.791	---	---
	Ant2	5320	17.463	5311.249	5328.711	---	---
	Ant1	5500	17.702	5491.089	5508.791	---	---
	Ant2	5500	17.463	5491.249	5508.711	---	---
	Ant1	5580	17.662	5571.169	5588.831	---	---
	Ant2	5580	17.662	5571.169	5588.831	---	---
	Ant1	5700	17.942	5691.009	5708.951	---	---
	Ant2	5700	17.582	5691.249	5708.831	---	---
	Ant1	5720	17.902	5711.009	5728.911	---	---
	Ant2	5720	17.423	5711.289	5728.711	---	---
	Ant1	5745	18.861	5735.569	5754.431	---	---
	Ant2	5745	18.981	5735.529	5754.510	---	---
	Ant1	5785	19.021	5775.410	5794.431	---	---
	Ant2	5785	19.021	5775.490	5794.510	---	---
	Ant1	5825	**19.58**	5815.170	5834.750	---	---
	Ant2	5825	18.621	5815.609	5834.231	---	---
11AX20MIMO	Ant1	5180	19.101	5170.450	5189.550	---	---
	Ant2	5180	19.141	5170.410	5189.550	---	---
	Ant1	5220	19.061	5210.410	5229.471	---	---
	Ant2	5220	19.221	5210.370	5229.590	---	---
	Ant1	5240	19.341	5230.330	5249.670	---	---
	Ant2	5240	19.341	5230.330	5249.670	---	---
	Ant1	5260	19.381	5250.250	5269.630	---	---
	Ant2	5260	19.381	5250.250	5269.630	---	---
	Ant1	5300	19.101	5290.410	5309.510	---	---
	Ant2	5300	19.101	5290.410	5309.510	---	---
	Ant1	5320	19.101	5310.410	5329.510	---	---
	Ant2	5320	19.141	5310.410	5329.550	---	---
	Ant1	5500	19.101	5490.410	5509.510	---	---
	Ant2	5500	19.141	5490.410	5509.550	---	---
	Ant1	5580	19.141	5570.410	5589.550	---	---
	Ant2	5580	19.181	5570.410	5589.590	---	---
	Ant1	5700	19.141	5690.410	5709.550	---	---
	Ant2	5700	19.181	5690.410	5709.590	---	---
	Ant1	5720	19.101	5710.410	5729.510	---	---
	Ant2	5720	19.141	5710.410	5729.550	---	---
	Ant1	5745	19.5	5735.210	5754.710	---	---
	Ant2	5745	19.5	5735.250	5754.750	---	---

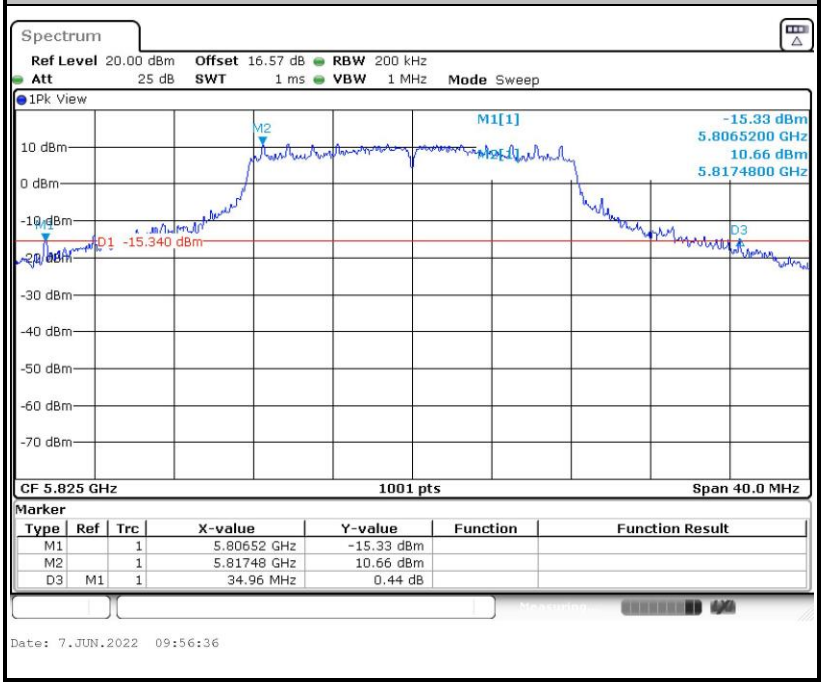
	Ant1	5785	19.461	5775.210	5794.670	---	---
	Ant2	5785	**19.58**	5775.170	5794.750	---	---
	Ant1	5825	19.54	5815.170	5834.710	---	---
	Ant2	5825	19.421	5815.210	5834.630	---	---
11AX40MIMO	Ant1	5190	37.882	5171.059	5208.941	---	---
	Ant2	5190	37.962	5170.979	5208.941	---	---
	Ant1	5230	38.042	5210.979	5249.021	---	---
	Ant2	5230	38.122	5210.979	5249.101	---	---
	Ant1	5270	38.042	5250.979	5289.021	---	---
	Ant2	5270	38.122	5250.899	5289.021	---	---
	Ant1	5310	37.882	5290.979	5328.861	---	---
	Ant2	5310	38.042	5290.899	5328.941	---	---
	Ant1	5510	37.962	5490.979	5528.941	---	---
	Ant2	5510	38.122	5490.899	5529.021	---	---
	Ant1	5550	37.962	5530.979	5568.941	---	---
	Ant2	5550	38.202	5530.899	5569.101	---	---
	Ant1	5670	38.122	5650.899	5689.021	---	---
	Ant2	5670	**38.282**	5650.819	5689.101	---	---
	Ant1	5710	38.042	5690.979	5729.021	---	---
	Ant2	5710	38.202	5690.899	5729.101	---	---
	Ant1	5755	38.122	5735.899	5774.021	---	---
	Ant2	5755	38.042	5735.899	5773.941	---	---
	Ant1	5795	37.962	5775.979	5813.941	---	---
	Ant2	5795	38.042	5775.899	5813.941	---	---
11AX80MIMO	Ant1	5210	77.842	5171.159	5249.001	---	---
	Ant2	5210	78.002	5170.999	5249.001	---	---
	Ant1	5290	78.002	5250.999	5329.001	---	---
	Ant2	5290	78.162	5250.839	5329.001	---	---
	Ant1	5530	77.842	5491.159	5569.001	---	---
	Ant2	5530	78.322	5490.839	5569.161	---	---
	Ant1	5610	78.002	5570.999	5649.001	---	---
	Ant2	5610	78.162	5570.999	5649.161	---	---
	Ant1	5690	78.322	5650.839	5729.161	---	---
	Ant2	5690	**78.482**	5650.839	5729.321	---	---
	Ant1	5775	78.162	5735.839	5814.001	---	---
	Ant2	5775	78.002	5735.999	5814.001	---	---

Test Mode	Antenna	Frequency[MHz]	6dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	16.32	5736.80	5753.12	0.5	PASS
	Ant2	5745	16.32	5736.80	5753.12	0.5	PASS
	Ant1	5785	**16.28**	5776.84	5793.12	0.5	PASS
	Ant2	5785	**16.28**	5776.84	5793.12	0.5	PASS
	Ant1	5825	16.32	5816.80	5833.12	0.5	PASS
	Ant2	5825	16.32	5816.80	5833.12	0.5	PASS
11AX20MIMO	Ant1	5745	18.32	5735.88	5754.20	0.5	PASS
	Ant2	5745	17.48	5736.40	5753.88	0.5	PASS
	Ant1	5785	17.52	5775.76	5793.28	0.5	PASS
	Ant2	5785	18.16	5776.20	5794.36	0.5	PASS
	Ant1	5825	18.36	5815.72	5834.08	0.5	PASS
	Ant2	5825	17.92	5816.16	5834.08	0.5	PASS
11AX40MIMO	Ant1	5755	37.92	5736.04	5773.96	0.5	PASS
	Ant2	5755	37.68	5736.12	5773.80	0.5	PASS
	Ant1	5795	37.60	5776.04	5813.64	0.5	PASS
	Ant2	5795	37.44	5776.20	5813.64	0.5	PASS
11AX80MIMO	Ant1	5775	76.96	5736.12	5813.08	0.5	PASS
	Ant2	5775	77.60	5736.12	5813.72	0.5	PASS

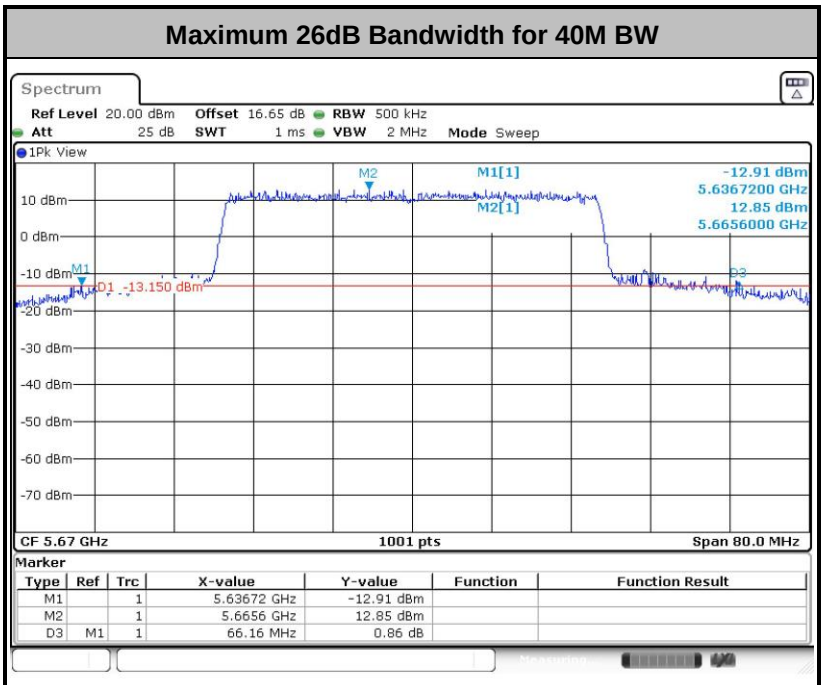
Minimum 6dB Bandwidth



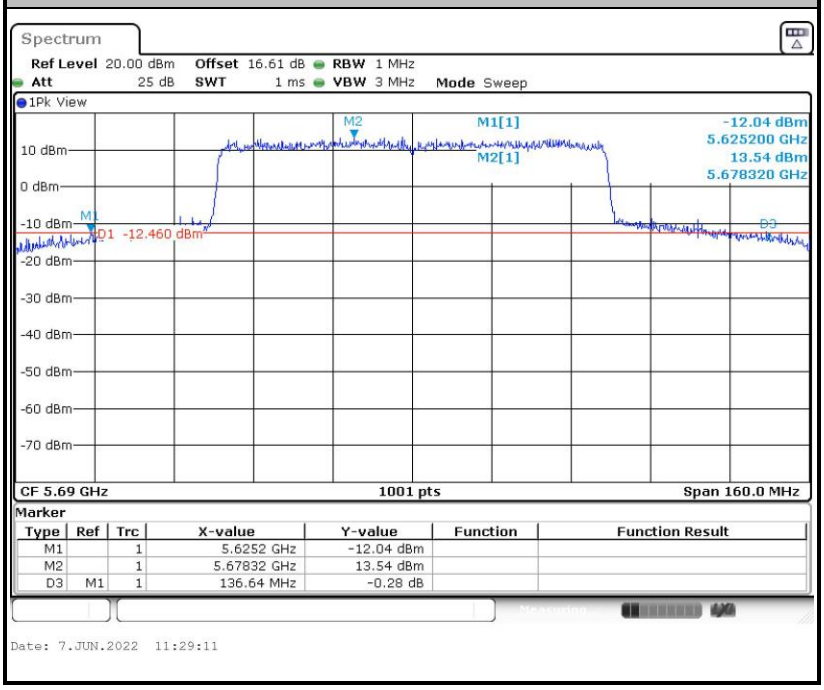
Maximum 26dB Bandwidth for 20M BW



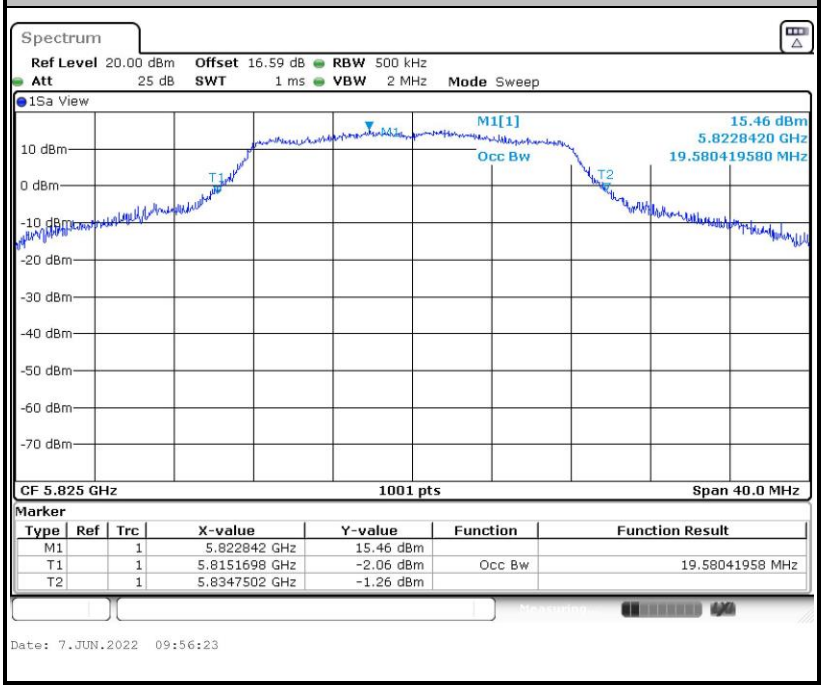
Maximum 26dB Bandwidth for 40M BW



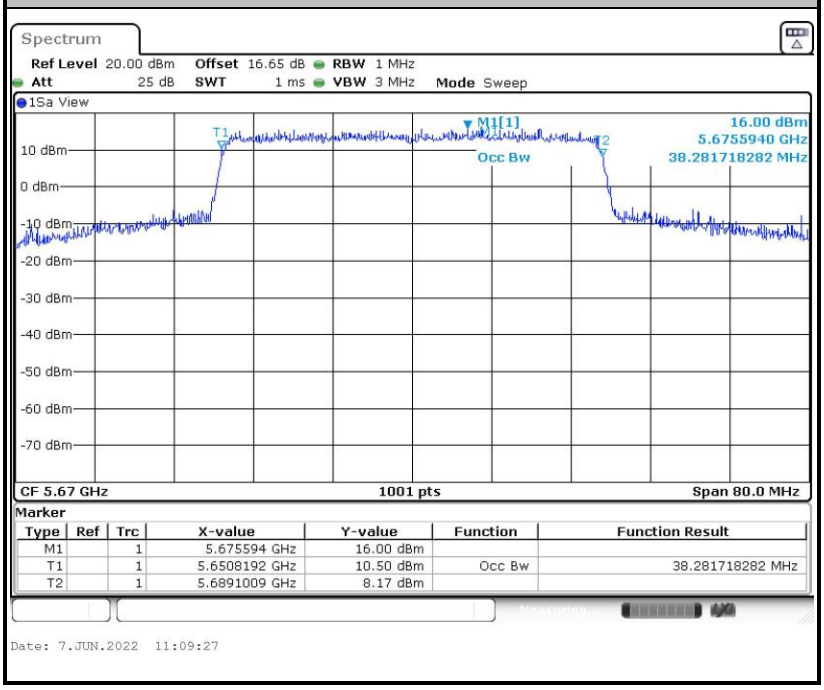
Maximum 26dB Bandwidth for 80M BW



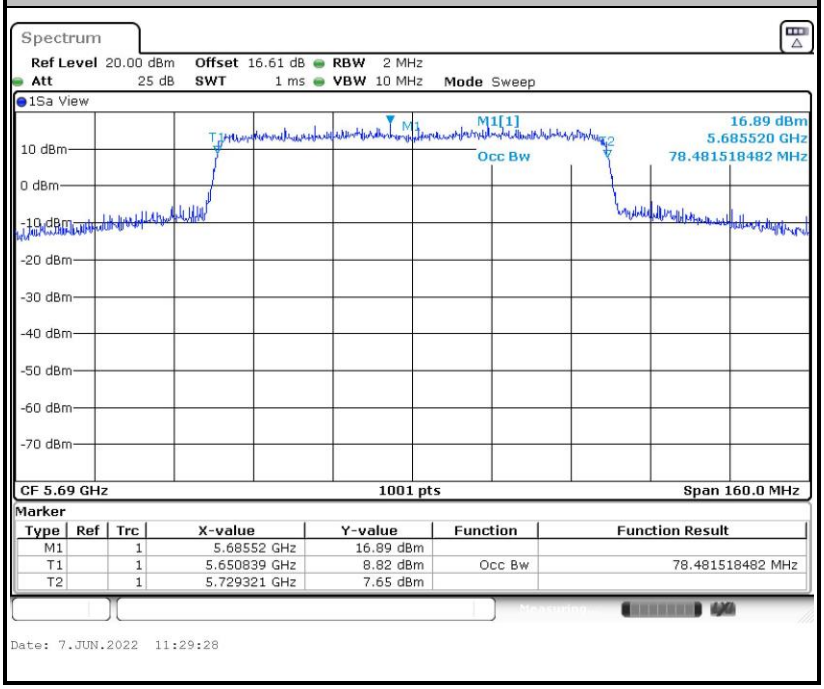
Maximum 99% Occupied Bandwidth for 20M BW



Maximum 99% Occupied Bandwidth for 40M BW



Maximum 99% Occupied Bandwidth for 80M BW



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

<Tx Beamforming mode>

U-NII-1													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	36	5180	Full	18.93	18.98	21.33	21.13	-		22.77	
HE20	MCS0	2	44	5220	Full	18.98	18.98	21.13	21.23	-		22.78	
HE20	MCS0	2	48	5240	Full	18.93	18.98	21.13	21.33	-		22.77	
HE40	MCS0	2	38	5190	Full	38.16	38.16	40.10	40.19	-		23.01	
HE40	MCS0	2	46	5230	Full	37.96	38.06	40.19	40.19	-		23.01	
HE80	MCS0	2	42	5210	Full	77.32	77.56	81.84	82.16	-		23.01	

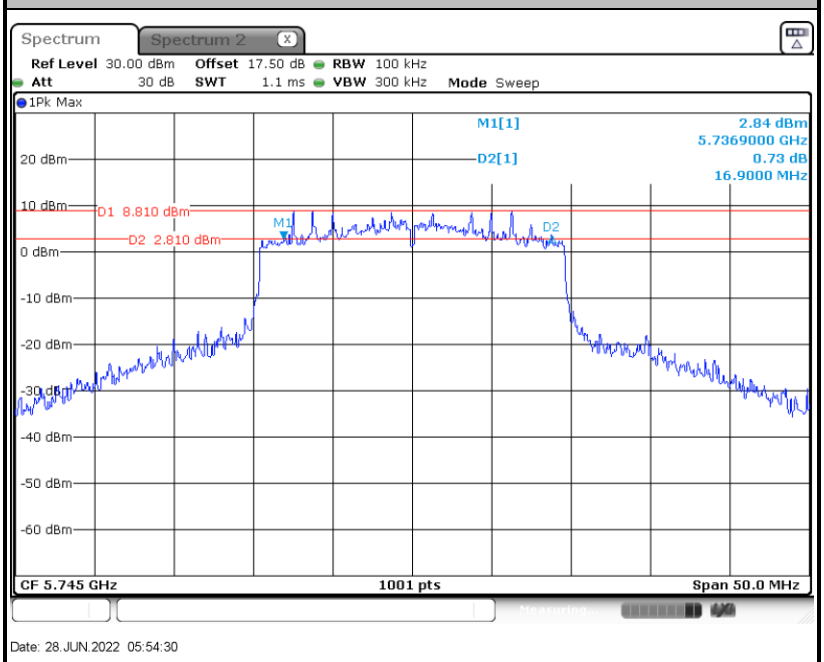
U-NII-2A															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	52	5260	Full	18.98	18.93	21.18	21.18	23.77		29.77		23.98	
HE20	MCS0	2	60	5300	Full	18.93	18.98	21.53	21.13	23.77		29.77		23.98	
HE20	MCS0	2	64	5320	Full	18.93	18.98	21.18	21.28	23.77		29.77		23.98	
HE40	MCS0	2	54	5270	Full	37.96	38.16	39.92	40.91	23.98		30.00		23.98	
HE40	MCS0	2	62	5310	Full	37.96	38.36	40.19	41.81	23.98		30.00		23.98	
HE80	MCS0	2	58	5290	Full	77.32	77.68	81.84	97.50	23.98		30.00		23.98	

U-NII-2C															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	100	5500	Full	18.93	18.93	21.28	21.23	23.77		29.77		23.98	
HE20	MCS0	2	116	5580	Full	18.93	18.93	21.33	21.13	23.77		29.77		23.98	
HE20	MCS0	2	140	5700	Full	18.98	18.98	21.28	21.18	23.78		29.78		23.98	
HE40	MCS0	2	102	5510	Full	38.36	38.76	41.90	52.24	23.98		30.00		23.98	
HE40	MCS0	2	110	5550	Full	38.16	38.76	42.26	54.31	23.98		30.00		23.98	
HE40	MCS0	2	134	5670	Full	38.46	38.76	46.84	52.42	23.98		30.00		23.98	
HE80	MCS0	2	106	5530	Full	77.44	77.68	82.00	98.46	23.98		30.00		23.98	
HE80	MCS0	2	122	5610	Full	77.44	77.68	82.32	117.32	23.98		30.00		23.98	

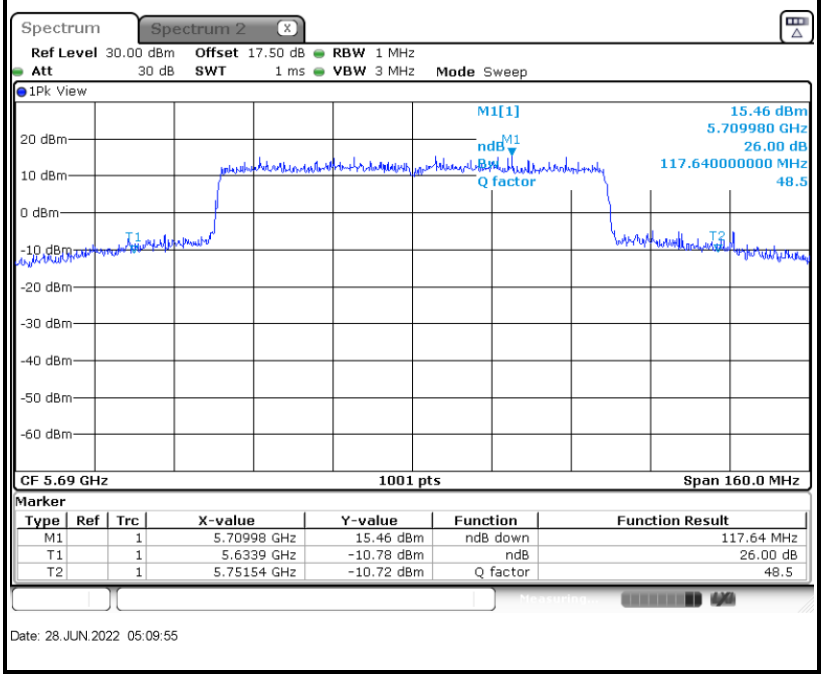
U-NII-2C straddle channel															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	144	5720	Full	18.98	18.98	21.18	21.13	23.78		29.78		23.98	
HE40	MCS0	2	142	5710	Full	38.56	38.66	51.07	57.81	23.98		30.00		23.98	
HE80	MCS0	2	138	5690	Full	77.68	**77.92**	91.11	**117.64**	23.98		30.00		23.98	

U-NII-3													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	149	5745	Full	19.08	19.08	21.73	21.73	18.45	**16.90**	0.5	Pass
HE20	MCS0	2	157	5785	Full	19.03	19.03	21.88	21.43	17.90	17.80	0.5	Pass
HE20	MCS0	2	165	5825	Full	19.03	19.03	21.33	21.08	17.55	18.05	0.5	Pass
HE40	MCS0	2	151	5755	Full	38.36	38.36	42.53	40.91	37.71	37.62	0.5	Pass
HE40	MCS0	2	159	5795	Full	38.26	38.16	45.05	40.73	37.52	37.17	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.44	77.44	82.00	82.00	77.28	77.12	0.5	Pass

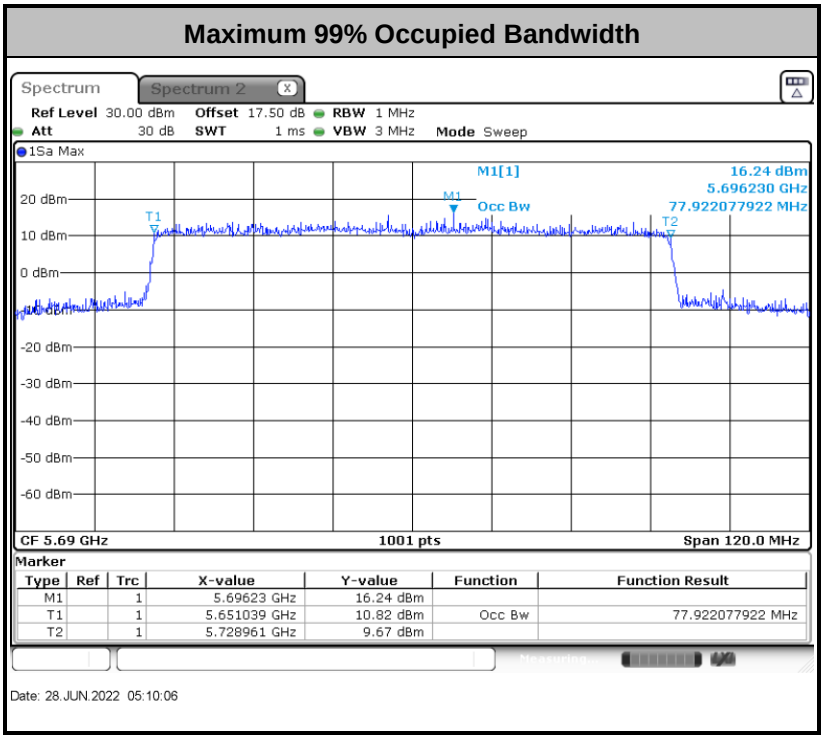
Minimum 6dB Bandwidth



Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

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

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

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

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

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

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.
4. For MIMO mode, the measure-and-sum technique should be used for measuring the in-band transmit power of a device.

<TXBF Modes>

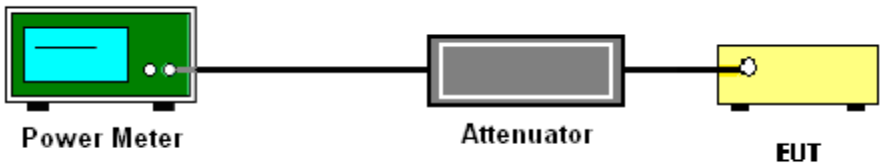
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 for TXBF modes.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

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

Test Engineer:	Jiang Jun	Temperature:	21~25°C
		Relative Humidity:	51~54%

U-NII-1 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	16.93	17.32	20.14	24.00		1.68		Pass
11a	6Mbps	2	44	5220	17.17	17.94	20.58	24.00		1.68		Pass
11a	6Mbps	2	48	5240	17.21	18.00	20.63	24.00		1.68		Pass
HT20	MCS0	2	36	5180	17.00	17.44	20.23	24.00		1.68		Pass
HT20	MCS0	2	44	5220	17.38	17.18	20.29	24.00		1.68		Pass
HT20	MCS0	2	48	5240	17.35	17.93	20.66	24.00		1.68		Pass
HT40	MCS0	2	38	5190	15.46	15.30	18.39	24.00		1.68		Pass
HT40	MCS0	2	46	5230	18.41	19.01	21.73	24.00		1.68		Pass
VHT20	MCS0	2	36	5180	17.02	17.48	20.26	24.00		1.68		Pass
VHT20	MCS0	2	44	5220	17.57	18.30	20.96	24.00		1.68		Pass
VHT20	MCS0	2	48	5240	17.14	18.13	20.67	24.00		1.68		Pass
VHT40	MCS0	2	38	5190	15.48	15.31	18.40	24.00		1.68		Pass
VHT40	MCS0	2	46	5230	18.80	18.80	21.81	24.00		1.68		Pass
VHT80	MCS0	2	42	5210	15.08	15.47	18.29	24.00		1.68		Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	36	5180	Full	16.98	17.52	20.27	24.00		1.68		Pass
HE20	MCS0	2	36	5180	26/0	10.09	11.19	13.68	24.00		1.68		Pass
HE20	MCS0	2	36	5180	52/37	12.81	13.94	16.42	24.00		1.68		Pass
HE20	MCS0	2	36	5180	106/53	16.24	17.04	19.67	24.00		1.68		Pass
HE20	MCS0	2	44	5220	Full	17.52	18.39	20.98	24.00		1.68		Pass
HE20	MCS0	2	44	5220	26/0	10.26	11.07	13.69	24.00		1.68		Pass
HE20	MCS0	2	44	5220	52/37	12.91	13.92	16.46	24.00		1.68		Pass
HE20	MCS0	2	44	5220	106/53	16.21	17.02	19.64	24.00		1.68		Pass
HE20	MCS0	2	48	5240	Full	17.36	18.21	20.81	24.00		1.68		Pass
HE20	MCS0	2	48	5240	26/8	10.54	11.01	13.79	24.00		1.68		Pass
HE20	MCS0	2	48	5240	52/40	12.93	13.91	16.46	24.00		1.68		Pass
HE20	MCS0	2	48	5240	106/54	16.07	16.90	19.52	24.00		1.68		Pass
HE40	MCS0	2	38	5190	Full	15.57	15.30	18.45	24.00		1.68		Pass
HE40	MCS0	2	38	5190	242/61	11.36	11.52	14.45	24.00		1.68		Pass
HE40	MCS0	2	46	5230	Full	18.94	19.27	**22.12**	24.00		1.68		Pass
HE40	MCS1	2	46	5230	242/62	17.15	17.61	20.40	24.00		1.68		Pass
HE80	MCS0	2	42	5210	Full	15.16	15.52	18.35	24.00		1.68		Pass
HE80	MCS0	2	42	5210	484/65	11.35	11.55	14.46	24.00		1.68		Pass

U-NII-2A MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	17.36	18.14	20.78	23.98		1.68		30	Pass
11a	6Mbps	2	60	5300	17.71	17.68	20.70	23.98		1.68		30	Pass
11a	6Mbps	2	64	5320	17.59	17.67	20.64	23.98		1.68		30	Pass
HT20	MCS0	2	52	5260	17.16	17.90	20.55	23.98		1.68		30	Pass
HT20	MCS0	2	60	5300	17.34	17.56	20.46	23.98		1.68		30	Pass
HT20	MCS0	2	64	5320	17.04	17.70	20.39	23.98		1.68		30	Pass
HT40	MCS0	2	54	5270	18.88	19.04	21.97	23.98		1.68		30	Pass
HT40	MCS0	2	62	5310	14.72	14.87	17.80	23.98		1.68		30	Pass
VHT20	MCS0	2	52	5260	17.69	17.73	20.72	23.98		1.68		30	Pass
VHT20	MCS0	2	60	5300	17.60	17.37	20.49	23.98		1.68		30	Pass
VHT20	MCS0	2	64	5320	17.46	17.35	20.41	23.98		1.68		30	Pass
VHT40	MCS0	2	54	5270	18.87	19.07	21.98	23.98		1.68		30	Pass
VHT40	MCS0	2	62	5310	14.72	14.85	17.79	23.98		1.68		30	Pass
VHT80	MCS0	2	58	5290	14.04	14.13	17.09	23.98		1.68		30	Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	17.32	18.24	20.81	23.98		1.68		30	Pass
HE20	MCS0	2	52	5260	26/0	10.48	10.97	13.74	23.98		1.68		30	Pass
HE20	MCS0	2	52	5260	52/37	13.23	13.90	16.59	23.98		1.68		30	Pass
HE20	MCS0	2	52	5260	106/53	16.10	16.78	19.46	23.98		1.68		30	Pass
HE20	MCS0	2	60	5300	Full	17.46	17.61	20.54	23.98		1.68		30	Pass
HE20	MCS0	2	60	5300	26/0	10.57	10.94	13.77	23.98		1.68		30	Pass
HE20	MCS0	2	60	5300	52/37	13.25	13.87	16.58	23.98		1.68		30	Pass
HE20	MCS0	2	60	5300	106/53	16.22	16.39	19.32	23.98		1.68		30	Pass
HE20	MCS0	2	64	5320	Full	17.54	17.48	20.52	23.98		1.68		30	Pass
HE20	MCS0	2	64	5320	26/8	10.87	10.96	13.92	23.98		1.68		30	Pass
HE20	MCS0	2	64	5320	52/40	13.40	13.91	16.67	23.98		1.68		30	Pass
HE20	MCS0	2	64	5320	106/54	16.11	16.22	19.18	23.98		1.68		30	Pass
HE40	MCS0	2	54	5270	Full	19.35	19.23	**22.30**	23.98		1.68		30	Pass
HE40	MCS0	2	54	5270	242/61	16.78	17.38	20.10	23.98		1.68		30	Pass
HE40	MCS0	2	62	5310	Full	14.76	14.90	17.84	23.98		1.68		30	Pass
HE40	MCS0	2	62	5310	242/62	10.48	10.72	13.61	23.98		1.68		30	Pass
HE80	MCS0	2	58	5290	Full	14.18	14.27	17.23	23.98		1.68		30	Pass
HE80	MCS0	2	58	5290	484/66	10.86	10.74	13.81	23.98		1.68		30	Pass

U-NII-2C MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	18.14	18.22	21.19	23.98		2.34		30	Pass
11a	6Mbps	2	116	5580	16.18	16.65	19.43	23.98		2.34		30	Pass
11a	6Mbps	2	140	5700	14.83	15.06	17.96	23.98		2.34		30	Pass
HT20	MCS0	2	100	5500	17.37	17.89	20.65	23.98		2.34		30	Pass
HT20	MCS0	2	116	5580	17.35	17.77	20.57	23.98		2.34		30	Pass
HT20	MCS0	2	140	5700	15.62	15.78	18.71	23.98		2.34		30	Pass
HT40	MCS0	2	102	5510	14.66	14.76	17.72	23.98		2.34		30	Pass
HT40	MCS0	2	110	5550	16.41	16.49	19.46	23.98		2.34		30	Pass
HT40	MCS0	2	134	5670	15.93	16.01	18.98	23.98		2.34		30	Pass
VHT20	MCS0	2	100	5500	17.47	17.95	20.72	23.98		2.34		30	Pass
VHT20	MCS0	2	116	5580	17.36	17.88	20.63	23.98		2.34		30	Pass
VHT20	MCS0	2	140	5700	15.65	15.87	18.77	23.98		2.34		30	Pass
VHT40	MCS0	2	102	5510	14.69	14.72	17.71	23.98		2.34		30	Pass
VHT40	MCS0	2	110	5550	19.01	18.83	21.93	23.98		2.34		30	Pass
VHT40	MCS0	2	134	5670	15.98	15.95	18.97	23.98		2.34		30	Pass
VHT80	MCS0	2	106	5530	14.07	13.97	17.03	23.98		2.34		30	Pass
VHT80	MCS0	2	122	5610	17.10	17.16	20.14	23.98		2.34		30	Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	17.48	17.99	20.75	23.98		2.34		30	Pass
HE20	MCS0	2	100	5500	26/0	10.65	10.92	13.79	23.98		2.34		30	Pass
HE20	MCS0	2	100	5500	52/37	13.33	13.88	16.62	23.98		2.34		30	Pass
HE20	MCS0	2	100	5500	106/53	16.06	16.52	19.31	23.98		2.34		30	Pass
HE20	MCS0	2	116	5580	Full	17.55	17.85	20.71	23.98		2.34		30	Pass
HE20	MCS0	2	116	5580	26/0	10.55	10.95	13.76	23.98		2.34		30	Pass
HE20	MCS0	2	116	5580	52/37	13.20	13.92	16.59	23.98		2.34		30	Pass
HE20	MCS0	2	116	5580	106/53	16.15	16.54	19.36	23.98		2.34		30	Pass
HE20	MCS0	2	140	5700	Full	15.66	15.99	18.84	23.98		2.34		30	Pass
HE20	MCS0	2	140	5700	26/8	7.73	8.04	10.90	23.98		2.34		30	Pass
HE20	MCS0	2	140	5700	52/40	10.38	10.68	13.54	23.98		2.34		30	Pass
HE20	MCS0	2	140	5700	106/54	13.75	13.50	16.64	23.98		2.34		30	Pass
HE40	MCS0	2	102	5510	Full	14.80	14.77	17.80	23.98		2.34		30	Pass
HE40	MCS0	2	102	5510	242/61	10.61	11.07	13.86	23.98		2.34		30	Pass
HE40	MCS0	2	110	5550	Full	19.28	19.21	**22.26**	23.98		2.34		30	Pass
HE40	MCS0	2	110	5550	242/61	17.02	17.36	20.20	23.98		2.34		30	Pass
HE40	MCS0	2	134	5670	Full	16.10	16.21	19.17	23.98		2.34		30	Pass
HE40	MCS0	2	134	5670	242/62	13.25	12.96	16.12	23.98		2.34		30	Pass
HE80	MCS0	2	106	5530	Full	14.26	14.09	17.18	23.98		2.34		30	Pass
HE80	MCS0	2	106	5530	484/65	10.52	10.26	13.40	23.98		2.34		30	Pass
HE80	MCS0	2	122	5610	Full	17.19	17.26	20.23	23.98		2.34		30	Pass
HE80	MCS0	2	122	5610	484/66	13.88	14.21	17.06	23.98		2.34		30	Pass

U-NII-2C straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	17.72	18.26	21.01	23.98		2.34		30	Pass
HT20	MCS0	2	144	5720	17.54	18.22	20.90	23.98		2.34		30	Pass
HT40	MCS0	2	142	5710	18.91	18.93	21.93	23.98		2.34		30	Pass
VHT20	MCS0	2	144	5720	17.65	18.21	20.94	23.98		2.34		30	Pass
VHT40	MCS0	2	142	5710	18.88	19.18	22.04	23.98		2.34		30	Pass
VHT80	MCS0	2	138	5690	19.23	19.60	22.43	23.98		2.34		30	Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	17.67	18.19	20.95	23.98		2.34		30	Pass
HE20	MCS0	2	144	5720	26/8	10.55	11.25	13.92	23.98		2.34		30	Pass
HE20	MCS0	2	144	5720	52/40	13.20	13.95	16.60	23.98		2.34		30	Pass
HE20	MCS0	2	144	5720	106/54	16.16	16.82	19.51	23.98		2.34		30	Pass
HE40	MCS0	2	142	5710	Full	19.15	19.41	22.30	23.98		2.34		30	Pass
HE40	MCS0	2	142	5710	242/62	16.98	17.49	20.25	23.98		2.34		30	Pass
HE80	MCS0	2	138	5690	Full	19.32	19.66	**22.50**	23.98		2.34		30	Pass
HE80	MCS0	2	138	5690	484/66	17.69	18.13	20.93	23.98		2.34		30	Pass

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	20.16	20.46	**23.32**	30.00		1.72		Pass
11a	6Mbps	2	157	5785	20.19	20.39	23.30	30.00		1.72		Pass
11a	6Mbps	2	165	5825	20.22	20.38	23.31	30.00		1.72		Pass
HT20	MCS0	2	149	5745	20.12	20.30	23.22	30.00		1.72		Pass
HT20	MCS0	2	157	5785	20.23	20.16	23.20	30.00		1.72		Pass
HT20	MCS0	2	165	5825	20.21	19.97	23.10	30.00		1.72		Pass
HT40	MCS0	2	151	5755	18.43	18.87	21.66	30.00		1.72		Pass
HT40	MCS0	2	159	5795	18.36	18.59	21.48	30.00		1.72		Pass
VHT20	MCS0	2	149	5745	20.15	20.37	23.27	30.00		1.72		Pass
VHT20	MCS0	2	157	5785	20.12	20.33	23.23	30.00		1.72		Pass
VHT20	MCS0	2	165	5825	20.28	20.02	23.16	30.00		1.72		Pass
VHT40	MCS0	2	151	5755	18.59	18.92	21.76	30.00		1.72		Pass
VHT40	MCS0	2	159	5795	18.47	18.81	21.65	30.00		1.72		Pass
VHT80	MCS0	2	155	5775	19.04	19.30	22.18	30.00		1.72		Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	20.14	20.39	23.27	30.00		1.72		Pass
HE20	MCS0	2	149	5745	26/0	13.45	13.70	16.58	30.00		1.72		Pass
HE20	MCS0	2	149	5745	52/37	16.26	16.80	19.55	30.00		1.72		Pass
HE20	MCS0	2	149	5745	106/53	19.16	19.90	22.56	30.00		1.72		Pass
HE20	MCS0	2	157	5785	Full	20.09	20.47	23.29	30.00		1.72		Pass
HE20	MCS0	2	157	5785	26/0	13.67	14.03	16.86	30.00		1.72		Pass
HE20	MCS0	2	157	5785	52/37	16.31	16.78	19.56	30.00		1.72		Pass
HE20	MCS0	2	157	5785	106/53	19.41	19.83	22.64	30.00		1.72		Pass
HE20	MCS0	2	165	5825	Full	20.28	20.14	23.22	30.00		1.72		Pass
HE20	MCS0	2	165	5825	26/8	13.14	13.64	16.41	30.00		1.72		Pass
HE20	MCS0	2	165	5825	52/40	15.87	16.58	19.25	30.00		1.72		Pass
HE20	MCS0	2	165	5825	106/54	19.31	19.70	22.52	30.00		1.72		Pass
HE40	MCS0	2	151	5755	Full	18.91	19.14	22.04	30.00		1.72		Pass
HE40	MCS0	2	151	5755	242/61	16.31	16.70	19.52	30.00		1.72		Pass
HE40	MCS0	2	159	5795	Full	18.80	19.05	21.94	30.00		1.72		Pass
HE40	MCS0	2	159	5795	242/62	16.11	16.95	19.56	30.00		1.72		Pass
HE80	MCS0	2	155	5775	Full	19.55	19.21	22.39	30.00		1.72		Pass
HE80	MCS0	2	155	5775	484/65	17.45	17.70	20.59	30.00		1.72		Pass
HE80	MCS0	2	155	5775	484/66	17.52	17.83	20.69	30.00		1.72		Pass

<Tx Beamforming mode>

U NII-1													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HT20	MCS0	2	36	5180	16.72	17.14	19.95	24.00		4.29		Pass
HT20	MCS0	2	44	5220	17.05	17.22	20.15	24.00		4.29		Pass
HT20	MCS0	2	48	5240	17.19	17.60	20.41	24.00		4.29		Pass
HT40	MCS0	2	38	5190	15.05	15.40	18.24	24.00		4.29		Pass
HT40	MCS0	2	46	5230	18.30	18.98	21.66	24.00		4.29		Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	36	5180	Full	16.87	17.26	20.08	24.00		4.29		Pass
HE20	MCS0	2	44	5220	Full	17.41	17.90	20.67	24.00		4.29		Pass
HE20	MCS0	2	48	5240	Full	17.34	17.88	20.63	24.00		4.29		Pass
HE40	MCS0	2	38	5190	Full	15.12	15.57	18.36	24.00		4.29		Pass
HE40	MCS0	2	46	5230	Full	18.59	19.26	**21.95**	24.00		4.29		Pass
HE80	MCS0	2	42	5210	Full	15.06	15.31	18.20	24.00		4.29		Pass

U NII-2A													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HT20	MCS0	2	52	5260	17.14	17.58	20.38	23.98		4.53		30	Pass
HT20	MCS0	2	60	5300	17.09	17.74	20.44	23.98		4.53		30	Pass
HT20	MCS0	2	64	5320	17.17	17.53	20.36	23.98		4.53		30	Pass
HT40	MCS0	2	54	5270	18.63	19.11	21.89	23.98		4.53		30	Pass
HT40	MCS0	2	62	5310	14.16	14.52	17.35	23.98		4.53		30	Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	17.23	17.94	20.61	23.98		4.53		30	Pass
HE20	MCS0	2	60	5300	Full	17.12	17.86	20.52	23.98		4.53		30	Pass
HE20	MCS0	2	64	5320	Full	17.16	17.78	20.49	23.98		4.53		30	Pass
HE40	MCS0	2	54	5270	Full	18.85	19.35	**22.12**	23.98		4.53		30	Pass
HE40	MCS0	2	62	5310	Full	14.36	14.64	17.51	23.98		4.53		30	Pass
HE80	MCS0	2	58	5290	Full	13.40	14.33	16.90	23.98		4.53		30	Pass

U NII-2C													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HT20	MCS0	2	100	5500	17.25	17.47	20.37	23.98		4.81		30	Pass
HT20	MCS0	2	116	5580	17.32	17.61	20.48	23.98		4.81		30	Pass
HT20	MCS0	2	140	5700	15.28	15.88	18.60	23.98		4.81		30	Pass
HT40	MCS0	2	102	5510	14.10	14.94	17.55	23.98		4.81		30	Pass
HT40	MCS0	2	110	5550	15.94	16.32	19.14	23.98		4.81		30	Pass
HT40	MCS0	2	134	5670	15.47	16.19	18.86	23.98		4.81		30	Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	17.57	17.76	20.68	23.98		4.81		30	Pass
HE20	MCS0	2	116	5580	Full	17.42	17.89	20.67	23.98		4.81		30	Pass
HE20	MCS0	2	140	5700	Full	15.47	16.04	18.77	23.98		4.81		30	Pass
HE40	MCS0	2	102	5510	Full	14.28	15.02	17.68	23.98		4.81		30	Pass
HE40	MCS0	2	110	5550	Full	19.08	19.30	**22.20**	23.98		4.81		30	Pass
HE40	MCS0	2	134	5670	Full	15.67	16.25	18.98	23.98		4.81		30	Pass
HE80	MCS0	2	106	5530	Full	13.62	14.29	16.98	23.98		4.81		30	Pass
HE80	MCS0	2	122	5610	Full	16.68	17.30	20.01	23.98		4.81		30	Pass

U NII-2C straddle channel													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HT20	MCS0	2	144	5720	17.19	17.81	20.52	23.98		4.81		30	Pass
HT40	MCS0	2	142	5710	18.61	19.02	21.83	23.98		4.81		30	Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	17.47	18.23	20.88	23.98		4.81		30	Pass
HE40	MCS0	2	142	5710	Full	19.08	19.37	22.24	23.98		4.81		30	Pass
HE80	MCS0	2	138	5690	Full	18.67	20.05	**22.42**	23.98		4.81		30	Pass

U NII-3												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HT20	MCS0	2	149	5745	18.87	19.83	22.39	30.00		4.63		Pass
HT20	MCS0	2	157	5785	18.92	19.87	22.43	30.00		4.63		Pass
HT20	MCS0	2	165	5825	18.99	19.86	22.46	30.00		4.63		Pass
HT40	MCS0	2	151	5755	18.08	18.74	21.43	30.00		4.63		Pass
HT40	MCS0	2	159	5795	17.99	18.70	21.37	30.00		4.63		Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	19.13	20.06	22.63	30.00		4.63		Pass
HE20	MCS0	2	157	5785	Full	19.16	19.97	22.59	30.00		4.63		Pass
HE20	MCS0	2	165	5825	Full	19.22	20.02	**22.65**	30.00		4.63		Pass
HE40	MCS0	2	151	5755	Full	18.43	19.27	21.88	30.00		4.63		Pass
HE40	MCS0	2	159	5795	Full	18.40	19.19	21.82	30.00		4.63		Pass
HE80	MCS0	2	155	5775	Full	18.87	19.64	22.28	30.00		4.63		Pass

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

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

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

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

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

For devices operating in the bands 5.15 - 5.25 GHz, 5.25 - 5.35 GHz, and 5.47 - 5.725 GHz

<CDD Modes>

 # Method SA-2 #

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

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

For devices operating in the band 5.725 - 5.85 GHz

 # 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 = 500 kHz.
- Set VBW ≥ 1 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

<TXBF Modes>

 # Method SA-3 #

(power averaging (rms) detection with max hold):

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × 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.
- Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

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.

For devices operating in the bands 5.15 - 5.25 GHz, 5.25 - 5.35 GHz, and 5.47 - 5.725 GHz

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

The total final Power Spectral Density is the bin-by-bin summation to obtain the combined spectrum. For the 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.

Method (b): Measure and sum spectral maxima across the outputs.

The measurement on each individual output were performed with the same span and number on each individual output. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs.

Method (c): Measure and add 10 log(N_{ANT}) dB, where N_{ANT} is the number of outputs.

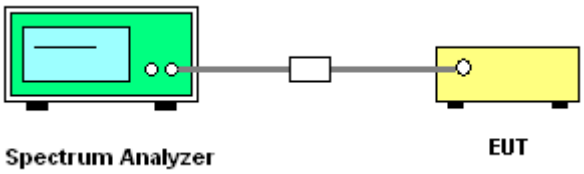
The measurement on each individual output were performed with the same span and number on each individual output. The quantity 10 log(N_{ANT}) dB is added to each spectrum value before comparing to the emission limit.

For devices operating in the band 5.725 - 5.85 GHz

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

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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Test Engineer:	Jiang Jun	**Temperature:**	21~25°C
		Relative Humidity:	51~54%

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A-CDD	Ant1	5180	6.93	≤11.00	PASS
	Ant2	5180	7.46	≤11.00	PASS
	total	5180	10.47	≤11.00	PASS
	Ant1	5220	6.71	≤11.00	PASS
	Ant2	5220	7.30	≤11.00	PASS
	total	5220	10.03	≤11.00	PASS
	Ant1	5240	7.39	≤11.00	PASS
	Ant2	5240	7.44	≤11.00	PASS
	total	5240	10.43	≤11.00	PASS
	Ant1	5260	7.00	≤11.00	PASS
	Ant2	5260	7.40	≤11.00	PASS
	total	5260	10.21	≤11.00	PASS
	Ant1	5300	7.44	≤11.00	PASS
	Ant2	5300	7.37	≤11.00	PASS
	total	5300	10.42	≤11.00	PASS
	Ant1	5320	6.99	≤11.00	PASS
	Ant2	5320	7.42	≤11.00	PASS
	total	5320	10.22	≤11.00	PASS
	Ant1	5500	7.93	≤11.00	PASS
	Ant2	5500	8.15	≤11.00	PASS
	total	5500	**10.94**	≤11.00	PASS
	Ant1	5580	6.84	≤11.00	PASS

	Ant2	5580	7.19	≤11.00	PASS
	total	5580	10.03	≤11.00	PASS
	Ant1	5700	5.06	≤11.00	PASS
	Ant2	5700	5.10	≤11.00	PASS
	total	5700	8.08	≤11.00	PASS
	Ant1	5720_UNII-2C	7.01	≤11.00	PASS
	Ant2	5720_UNII-2C	7.39	≤11.00	PASS
	total	5720_UNII-2C	10.21	≤11.00	PASS
	Ant1	5720_UNII-3	1.71	≤11.00	PASS
	Ant2	5720_UNII-3	2.16	≤11.00	PASS
	total	5720_UNII-3	4.95	≤6.17	PASS
	Ant1	5745	7.47	≤30.00	PASS
	Ant2	5745	7.99	≤30.00	PASS
	total	5745	10.75	≤30.00	PASS
	Ant1	5785	7.65	≤30.00	PASS
	Ant2	5785	7.86	≤30.00	PASS
	total	5785	10.77	≤30.00	PASS
	Ant1	5825	7.39	≤30.00	PASS
	Ant2	5825	7.80	≤30.00	PASS
	total	5825	10.61	≤30.00	PASS
11AX20MIMO	Ant1	5180	6.97	≤11.00	PASS
	Ant2	5180	7.71	≤11.00	PASS
	total	5180	10.37	≤11.00	PASS
	Ant1	5220	6.62	≤11.00	PASS
	Ant2	5220	7.81	≤11.00	PASS
	total	5220	10.27	≤11.00	PASS
	Ant1	5240	6.70	≤11.00	PASS
	Ant2	5240	7.43	≤11.00	PASS
	total	5240	10.09	≤11.00	PASS
	Ant1	5260	6.66	≤11.00	PASS
	Ant2	5260	7.30	≤11.00	PASS
	total	5260	10.00	≤11.00	PASS
	Ant1	5300	7.12	≤11.00	PASS
	Ant2	5300	7.59	≤11.00	PASS
	total	5300	10.37	≤11.00	PASS
	Ant1	5320	6.62	≤11.00	PASS
	Ant2	5320	7.39	≤11.00	PASS
	total	5320	10.03	≤11.00	PASS
	Ant1	5500	7.14	≤11.00	PASS
	Ant2	5500	7.45	≤11.00	PASS
	total	5500	10.31	≤11.00	PASS
	Ant1	5580	6.98	≤11.00	PASS
	Ant2	5580	7.44	≤11.00	PASS
	total	5580	10.23	≤11.00	PASS
	Ant1	5700	5.10	≤11.00	PASS
	Ant2	5700	5.18	≤11.00	PASS
	total	5700	8.13	≤11.00	PASS
	Ant1	5720_UNII-2C	7.17	≤11.00	PASS
	Ant2	5720_UNII-2C	7.59	≤11.00	PASS
	total	5720_UNII-2C	10.40	≤11.00	PASS

	Ant1	5720_UNII-3	1.62	≤11.00	PASS
	Ant2	5720_UNII-3	2.30	≤11.00	PASS
	total	5720_UNII-3	4.98	≤11.00	PASS
	Ant1	5745	7.47	≤30.00	PASS
	Ant2	5745	7.76	≤30.00	PASS
	total	5745	10.63	≤30.00	PASS
	Ant1	5785	7.65	≤30.00	PASS
	Ant2	5785	7.69	≤30.00	PASS
	total	5785	10.68	≤30.00	PASS
	Ant1	5825	7.27	≤30.00	PASS
	Ant2	5825	7.54	≤30.00	PASS
	total	5825	10.42	≤30.00	PASS
11AX40MIMO	Ant1	5190	0.37	≤11.00	PASS
	Ant2	5190	0.40	≤11.00	PASS
	total	5190	3.38	≤11.00	PASS
	Ant1	5230	4.63	≤11.00	PASS
	Ant2	5230	4.84	≤11.00	PASS
	total	5230	7.75	≤11.00	PASS
	Ant1	5270	4.54	≤11.00	PASS
	Ant2	5270	4.42	≤11.00	PASS
	total	5270	7.49	≤11.00	PASS
	Ant1	5310	-0.24	≤11.00	PASS
	Ant2	5310	-0.27	≤11.00	PASS
	total	5310	2.70	≤11.00	PASS
	Ant1	5510	-0.25	≤11.00	PASS
	Ant2	5510	-0.22	≤11.00	PASS
	total	5510	2.71	≤11.00	PASS
	Ant1	5550	4.68	≤11.00	PASS
	Ant2	5550	3.94	≤11.00	PASS
	total	5550	7.34	≤11.00	PASS
	Ant1	5670	1.17	≤11.00	PASS
	Ant2	5670	0.64	≤11.00	PASS
	total	5670	3.82	≤11.00	PASS
	Ant1	5710_UNII-2C	4.44	≤11.00	PASS
	Ant2	5710_UNII-2C	4.64	≤11.00	PASS
	total	5710_UNII-2C	7.55	≤11.00	PASS
	Ant1	5710_UNII-3	1.14	≤11.00	PASS
	Ant2	5710_UNII-3	1.29	≤11.00	PASS
	total	5710_UNII-3	4.23	≤11.00	PASS
	Ant1	5755	1.52	≤30.00	PASS
	Ant2	5755	1.35	≤30.00	PASS
	total	5755	4.45	≤30.00	PASS
	Ant1	5795	1.72	≤30.00	PASS
	Ant2	5795	1.62	≤30.00	PASS
	total	5795	4.68	≤30.00	PASS
11AX80MIMO	Ant1	5210	-2.60	≤11.00	PASS
	Ant2	5210	-2.56	≤11.00	PASS
	total	5210	0.37	≤11.00	PASS
	Ant1	5290	-3.81	≤11.00	PASS
	Ant2	5290	-3.93	≤11.00	PASS

	total	5290	-0.98	≤11.00	PASS
	Ant1	5530	-3.80	≤11.00	PASS
	Ant2	5530	-3.76	≤11.00	PASS
	total	5530	-0.82	≤11.00	PASS
	Ant1	5610	-0.46	≤11.00	PASS
	Ant2	5610	-0.45	≤11.00	PASS
	total	5610	2.49	≤11.00	PASS
	Ant1	5690_UNII-2C	2.07	≤11.00	PASS
	Ant2	5690_UNII-2C	2.55	≤11.00	PASS
	total	5690_UNII-2C	5.33	≤11.00	PASS
	Ant1	5690_UNII-3	-1.63	≤11.00	PASS
	Ant2	5690_UNII-3	-0.85	≤11.00	PASS
	total	5690_UNII-3	1.79	≤11.00	PASS
	Ant1	5775	-0.64	≤30.00	PASS
	Ant2	5775	-0.65	≤30.00	PASS
	total	5775	2.37	≤30.00	PASS

Note :

1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

11ax Partial RU of U NII-1													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	36	5180	26/0	-		10.08	11.00		4.29		Pass
HE20	MCS0	2	36	5180	52/37			10.05	11.00		4.29		Pass
HE20	MCS0	2	36	5180	106/53			10.27	11.00		4.29		Pass
HE20	MCS0	2	44	5220	26/0			9.85	11.00		4.29		Pass
HE20	MCS0	2	44	5220	52/37			9.92	11.00		4.29		Pass
HE20	MCS0	2	44	5220	106/53			10.25	11.00		4.29		Pass
HE20	MCS0	2	48	5240	26/8			10.05	11.00		4.29		Pass
HE20	MCS0	2	48	5240	52/40			9.84	11.00		4.29		Pass
HE20	MCS0	2	48	5240	106/54			10.07	11.00		4.29		Pass
HE40	MCS0	2	38	5190	242/61			2.90	11.00		4.29		Pass
HE40	MCS0	2	46	5230	242/62			7.37	11.00		4.29		Pass
HE80	MCS0	2	42	5210	484/65			0.32	11.00		4.29		Pass

11ax Partial RU of U NII-2A													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	52	5260	26/0	-		9.89	11.00		4.53		Pass
HE20	MCS0	2	52	5260	52/37			9.98	11.00		4.53		Pass
HE20	MCS0	2	52	5260	106/53			9.82	11.00		4.53		Pass
HE20	MCS0	2	60	5300	26/0			9.97	11.00		4.53		Pass
HE20	MCS0	2	60	5300	52/37			10.09	11.00		4.53		Pass
HE20	MCS0	2	60	5300	106/53			9.83	11.00		4.53		Pass
HE20	MCS0	2	64	5320	26/8			10.01	11.00		4.53		Pass
HE20	MCS0	2	64	5320	52/40			9.90	11.00		4.53		Pass
HE20	MCS0	2	64	5320	106/54			9.72	11.00		4.53		Pass
HE40	MCS0	2	54	5270	242/61			7.12	11.00		4.53		Pass
HE40	MCS0	2	62	5310	242/62			2.22	11.00		4.53		Pass
HE80	MCS0	2	58	5290	484/66			-1.05	11.00		4.53		Pass

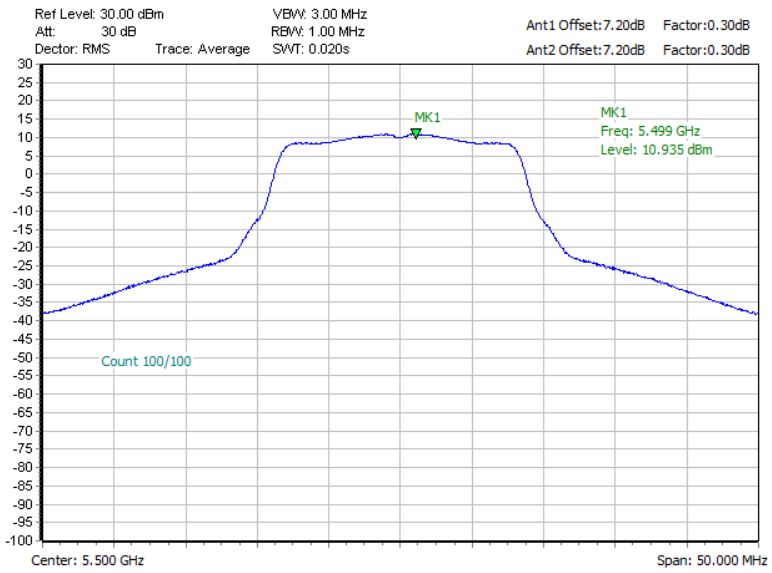
11ax Partial RU of U NII-2C													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	100	5500	26/0	-		10.30	11.00		4.81		Pass
HE20	MCS0	2	100	5500	52/37			10.27	11.00		4.81		Pass
HE20	MCS0	2	100	5500	106/53			10.24	11.00		4.81		Pass
HE20	MCS0	2	116	5580	26/0			10.02	11.00		4.81		Pass
HE20	MCS0	2	116	5580	52/37			9.90	11.00		4.81		Pass
HE20	MCS0	2	116	5580	106/53			10.10	11.00		4.81		Pass
HE20	MCS0	2	140	5700	26/8			7.91	11.00		4.81		Pass
HE20	MCS0	2	140	5700	52/40			7.70	11.00		4.81		Pass
HE20	MCS0	2	140	5700	106/54			7.91	11.00		4.81		Pass
HE40	MCS0	2	102	5510	242/61			2.64	11.00		4.81		Pass
HE40	MCS0	2	110	5550	242/61			7.24	11.00		4.81		Pass
HE40	MCS0	2	134	5670	242/62			3.32	11.00		4.81		Pass
HE80	MCS0	2	106	5530	484/65			-1.03	11.00		4.81		Pass
HE80	MCS0	2	122	5610	484/66			2.21	11.00		4.81		Pass

11ax Partial RU of U NII-2C straddle channel													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	144	5720	26/8	-		10.12	11.00		4.81		Pass
HE20	MCS0	2	144	5720	52/40			10.05	11.00		4.81		Pass
HE20	MCS0	2	144	5720	106/54			9.98	11.00		4.81		Pass
HE20	MCS0	2	142	5710	242/62			7.42	11.00		4.81		Pass
HE20	MCS0	2	138	5690	484/66			5.17	11.00		4.81		Pass

11ax Partial RU of U NII-3															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	26/0	2.22		6.76	7.19	10.20	30.00		4.63		Pass
HE20	MCS0	2	149	5745	52/37	2.22		6.62	7.37	10.38	30.00		4.63		Pass
HE20	MCS0	2	149	5745	106/53	2.22		6.81	7.52	10.53	30.00		4.63		Pass
HE20	MCS0	2	157	5785	26/4	2.22		7.16	7.37	10.38	30.00		4.63		Pass
HE20	MCS0	2	157	5785	52/38	2.22		6.98	7.38	10.39	30.00		4.63		Pass
HE20	MCS0	2	157	5785	106/53	2.22		6.86	7.48	10.49	30.00		4.63		Pass
HE20	MCS0	2	165	5825	26/8	2.22		6.53	7.04	10.05	30.00		4.63		Pass
HE20	MCS0	2	165	5825	52/40	2.22		6.58	7.06	10.07	30.00		4.63		Pass
HE20	MCS0	2	165	5825	106/54	2.22		6.83	7.39	10.40	30.00		4.63		Pass
HE40	MCS0	2	151	5755	242/61	2.22		1.05	0.27	4.06	30.00		4.63		Pass
HE40	MCS0	2	159	5795	242/62	2.22		1.42	0.73	4.43	30.00		4.63		Pass
HE80	MCS0	2	155	5775	484/65	2.22		-0.83	-1.40	2.18	30.00		4.63		Pass
HE80	MCS0	2	155	5775	484/66	2.22		-0.85	-0.67	2.34	30.00		4.63		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

Worst Case Power Density (dBm/MHz) for MIMO Ant. 1+2



<Tx Beamforming mode>

U NII-1													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	36	5180	Full	-		9.95	11.00		4.29		Pass
HE20	MCS0	2	44	5220	Full			10.24	11.00		4.29		Pass
HE20	MCS0	2	48	5240	Full			10.23	11.00		4.29		Pass
HE40	MCS0	2	38	5190	Full			3.79	11.00		4.29		Pass
HE40	MCS0	2	46	5230	Full			6.34	11.00		4.29		Pass
HE80	MCS0	2	42	5210	Full			1.54	11.00		4.29		Pass

U NII-2A													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	52	5260	Full	-		10.39	11.00		4.53		Pass
HE20	MCS0	2	60	5300	Full			10.23	11.00		4.53		Pass
HE20	MCS0	2	64	5320	Full			10.08	11.00		4.53		Pass
HE40	MCS0	2	54	5270	Full			6.72	11.00		4.53		Pass
HE40	MCS0	2	62	5310	Full			2.51	11.00		4.53		Pass
HE80	MCS0	2	58	5290	Full			-0.68	11.00		4.53		Pass

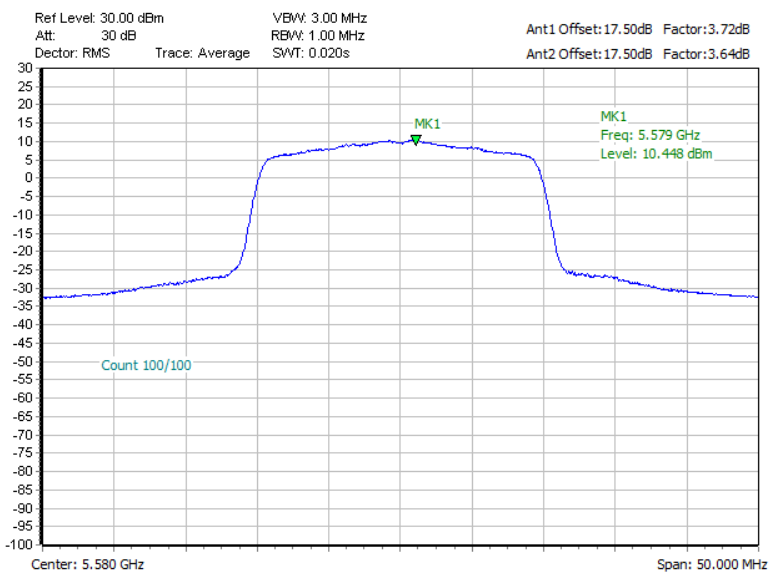
U NII-2C													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	100	5500	Full	-		10.32	11.00		4.81		Pass
HE20	MCS0	2	116	5580	Full			**10.45**	11.00		4.81		Pass
HE20	MCS0	2	140	5700	Full			9.73	11.00		4.81		Pass
HE40	MCS0	2	102	5510	Full			2.49	11.00		4.81		Pass
HE40	MCS0	2	110	5550	Full			5.76	11.00		4.81		Pass
HE40	MCS0	2	134	5670	Full			3.60	11.00		4.81		Pass
HE80	MCS0	2	106	5530	Full			-0.05	11.00		4.81		Pass
HE80	MCS0	2	122	5610	Full			2.85	11.00		4.81		Pass

U NII-2C straddle channel													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	144	5720	Full	-		10.06	11.00		4.81		Pass
HE40	MCS0	2	142	5710	Full			5.67	11.00		4.81		Pass
HE80	MCS0	2	138	5690	Full			4.72	11.00		4.81		Pass

U NII-3															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	2.22		2.33	2.88	5.89	30.00		4.63		Pass
HE20	MCS0	2	157	5785	Full	2.22		2.40	2.52	5.53	30.00		4.63		Pass
HE20	MCS0	2	165	5825	Full	2.22		1.75	1.97	4.98	30.00		4.63		Pass
HE40	MCS0	2	151	5755	Full	2.22		-2.54	-1.88	1.13	30.00		4.63		Pass
HE40	MCS0	2	159	5795	Full	2.22		-3.19	-2.14	0.87	30.00		4.63		Pass
HE80	MCS0	2	155	5775	Full	2.22		-7.37	-6.97	-3.96	30.00		4.63		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

Worst Case Power Density (dBm/MHz) for MIMO Ant. 1+2



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 5470-5725 MHz band: all emissions outside of the 5470-5725 MHz band shall not exceed an EIRP of -27 dBm/MHz.

(2) For transmitters operating in the 5.725-5.85 GHz band:
15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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

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

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

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

where

EIRP is the equivalent isotropically radiated power, in dBm

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

d_{Meas} is the measurement distance, in m

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

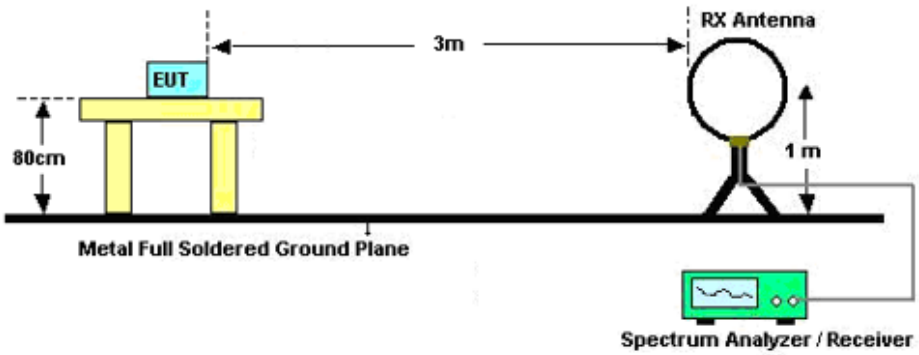
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

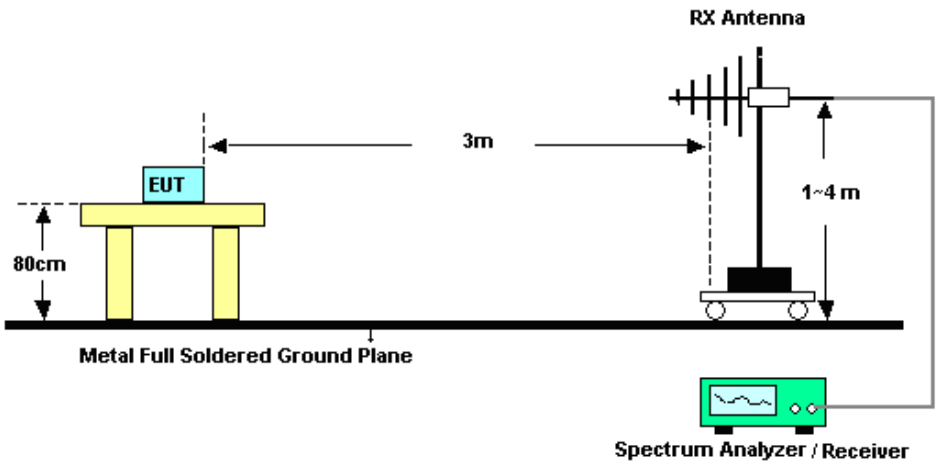
3.4.4 Test Setup

For radiated emissions below 30MHz

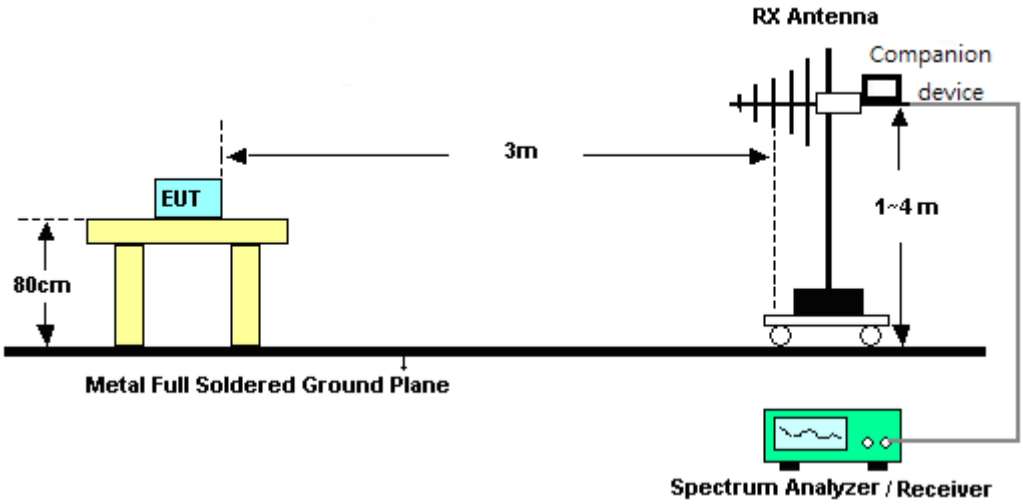


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

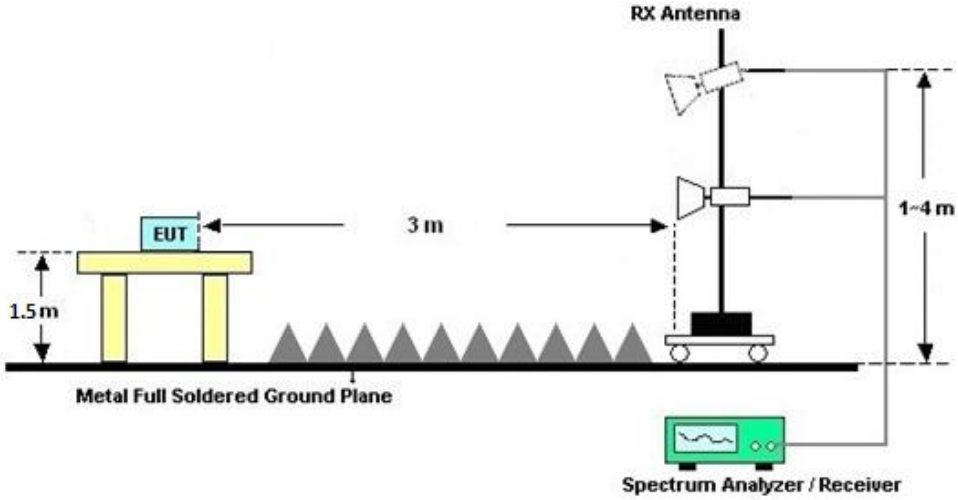


<TXBF Modes>

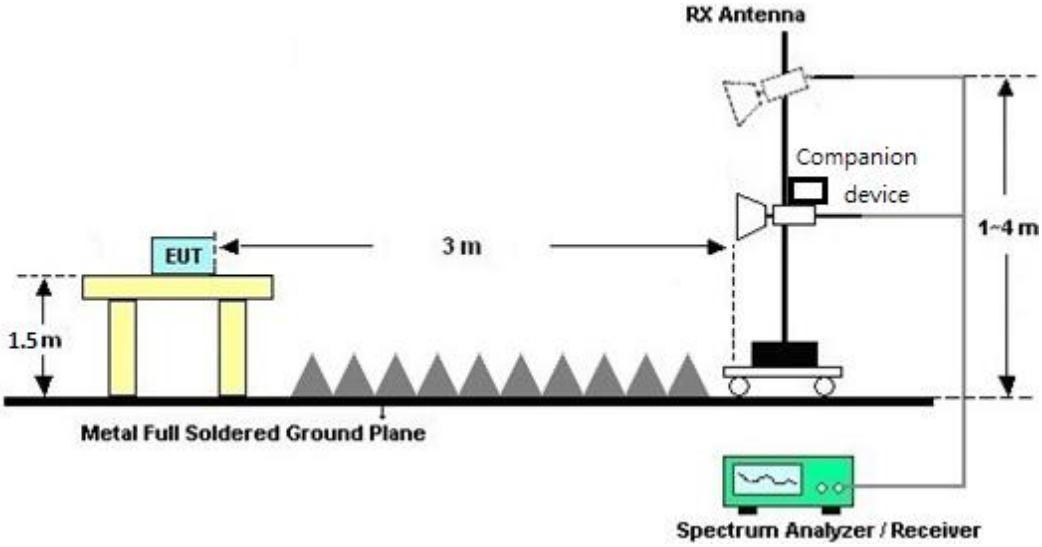


For radiated emissions above 1GHz

<CDD Mode>



<TXBF Modes>



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 B&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 B&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.

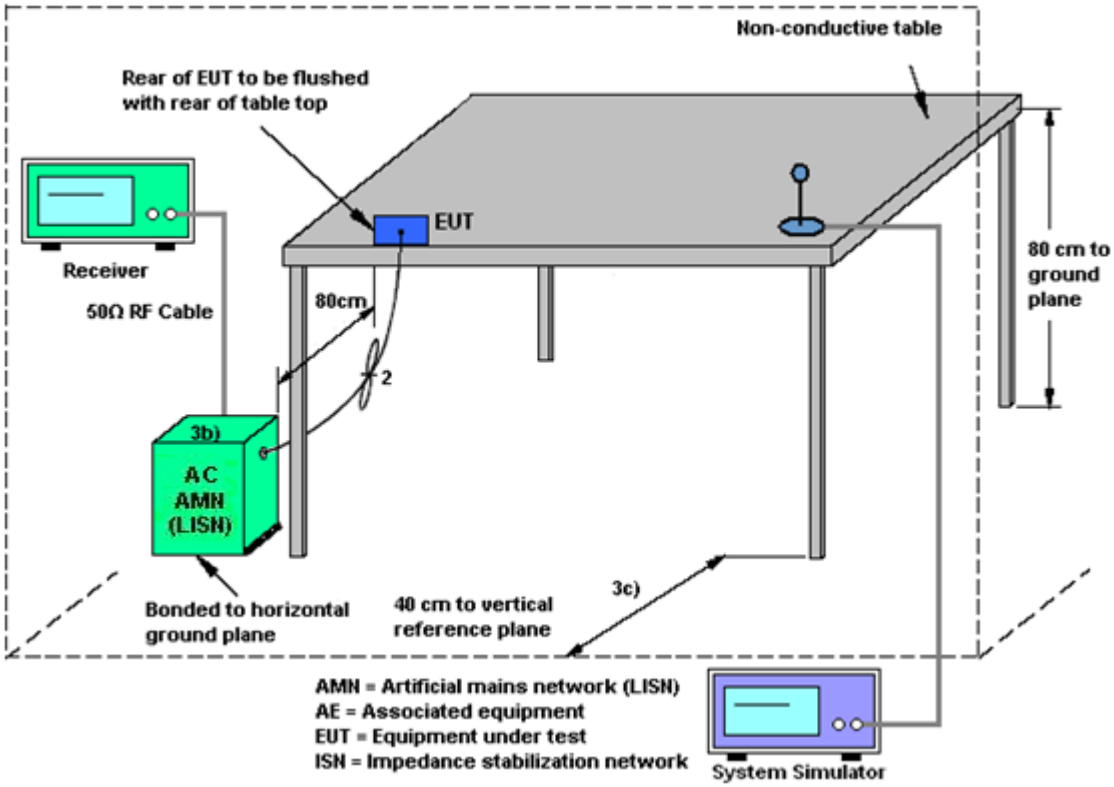
3.5.2 Measuring Instruments

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 A.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
UNII-1	1.68	0.87	1.68	4.29	0.00	0.00
UNII-2A	1.68	1.35	1.68	4.53	0.00	0.00
UNII-2C	1.22	2.34	2.34	4.81	0.00	0.00
UNII-3	1.52	1.72	1.72	4.63	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

For CDD transmissions, directional gain is calculated as

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

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 kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11n/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.

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
UNII-1	1.68	0.87	4.29	4.29	0.00	0.00
UNII-2A	1.68	1.35	4.53	4.53	0.00	0.00
UNII-2C	1.22	2.34	4.81	4.81	0.00	0.00
UNII-3	1.52	1.72	4.63	4.63	0.00	0.00

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 14, 2021	Jun. 07, 2022~ Jun. 28, 2022	Oct. 13, 2022	Conducted (TH01-KS)
Pulse Power Senor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 05, 2022	Jun. 07, 2022~ Jun. 28, 2022	Jan. 04, 2023	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 05, 2022	Jun. 07, 2022~ Jun. 28, 2022	Jan. 04, 2023	Conducted (TH01-KS)
Temperature &humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 12, 2021	Jun. 07, 2022~ Jun. 28, 2022	Jul. 11, 2022	Conducted (TH01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Max 30dBm	Oct. 16, 2021	Jul. 17, 2022	Oct. 15, 2022	Radiation (03CH07-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Oct. 16, 2021	Jul. 17, 2022	Oct. 15, 2022	Radiation (03CH07-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 30, 2021	Jul. 17, 2022	Oct. 29, 2022	Radiation (03CH07-KS)
Bilog Antenna	TeseQ	CBL6111D	59913	30MHz-1GHz	Sep. 07, 2021	Jul. 17, 2022	Sep. 06, 2022	Radiation (03CH07-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00240132	1GHz~18GHz	Jul. 19, 2021	Jul. 17, 2022	Jul. 18, 2022	Radiation (03CH07-KS)
high gain Amplifier	MITEQ	AMF-7D-00101800-30-10P	2025788	1Ghz-18Ghz	Jul. 30, 2021	Jul. 17, 2022	Jul. 29, 2023	Radiation (03CH07-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2022	Jul. 17, 2022	Jan. 04, 2023	Radiation (03CH07-KS)
Amplifier	SONOMA	310N	413740	9KHz-1GHz	Jan. 05, 2022	Jul. 17, 2022	Jan. 04, 2023	Radiation (03CH07-KS)
Amplifier	Keysight	83017A	MY53270316	500MHz~26.5GHz	Oct. 16, 2021	Jul. 17, 2022	Oct. 15, 2022	Radiation (03CH07-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 05, 2022	Jul. 17, 2022	Jan. 04, 2023	Radiation (03CH07-KS)
AC Power Source	Chroma	61601	616010002473	N/A	NCR	Jul. 17, 2022	NCR	Radiation (03CH07-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Jul. 17, 2022	NCR	Radiation (03CH07-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Jul. 17, 2022	NCR	Radiation (03CH07-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	May 24, 2022	Jun. 24, 2022	May 23, 2023	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 14, 2021	Jun. 24, 2022	Oct. 13, 2022	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	May 24, 2022	Jun. 24, 2022	May 23, 2023	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 14, 2021	Jun. 24, 2022	Oct. 13, 2022	Conduction (CO01-KS)

NCR: No Calibration Required

5 Uncertainty of Evaluation

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

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	±0.56 dB
Conducted Emissions	±0.92 dB
Occupied Channel Bandwidth	±0.03 %
Conducted Power Spectral Density	±0.54 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.94dB

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

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

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

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

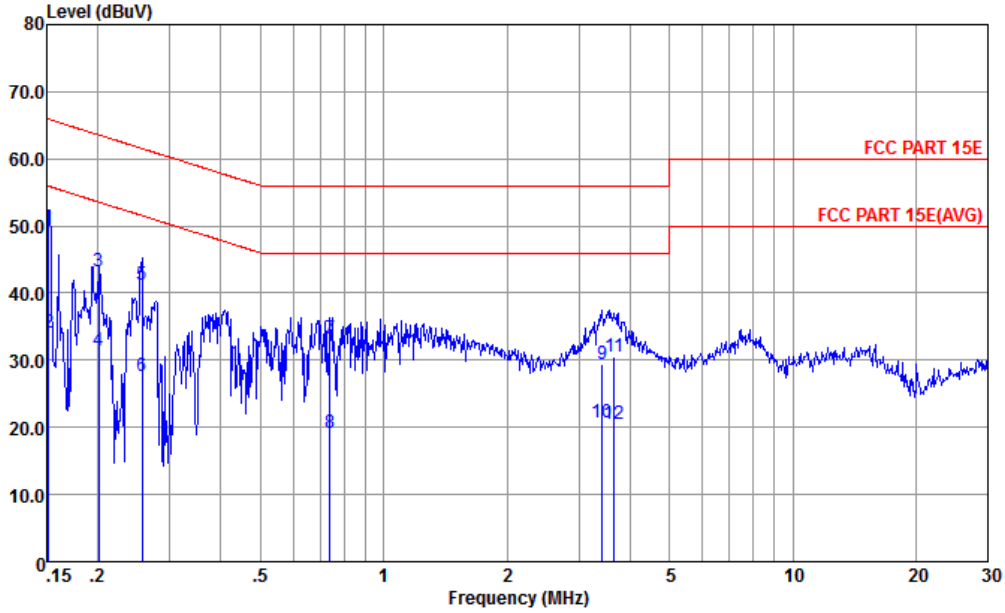
Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

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

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

Appendix A. AC Conducted Emission Test Results

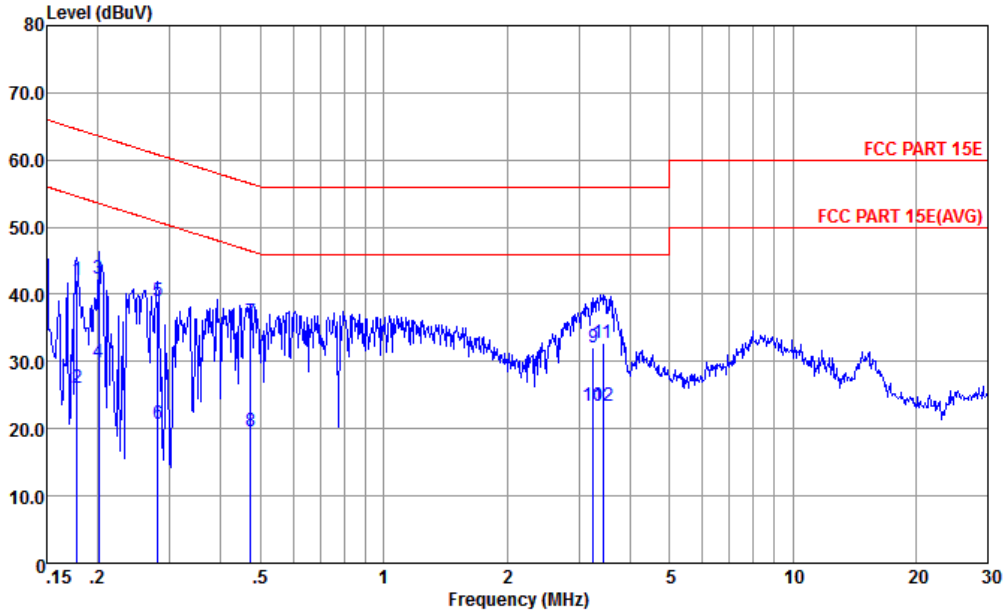
Test Engineer :	Amos Zhang	**Temperature :**	25.3~26.2℃
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : FCC PART 15E LISN-060105-L LINE

		Freq MHz	Level dBuV	Over Limit dB	Limit Line dBuV	Read Level dBuV	LISN Factor dB	Cable Loss dB	Remark
1	*	0.152	49.40	-16.51	65.91	38.90	0.02	10.48	QP
2		0.152	34.00	-21.91	55.91	23.50	0.02	10.48	Average
3		0.201	43.20	-20.38	63.58	32.80	0.04	10.36	QP
4		0.201	31.42	-22.16	53.58	21.02	0.04	10.36	Average
5		0.256	41.19	-20.37	61.56	30.80	0.06	10.33	QP
6		0.256	27.59	-23.97	51.56	17.20	0.06	10.33	Average
7		0.739	33.15	-22.85	56.00	22.80	0.11	10.24	QP
8		0.739	19.25	-26.75	46.00	8.90	0.11	10.24	Average
9		3.417	29.30	-26.70	56.00	18.89	0.16	10.25	QP
10		3.417	20.70	-25.30	46.00	10.29	0.16	10.25	Average
11		3.661	30.61	-25.39	56.00	20.20	0.16	10.25	QP
12		3.661	20.61	-25.39	46.00	10.20	0.16	10.25	Average

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



Site : CO01-KS
Condition : FCC PART 15E LISN-060105-N NEUTRAL

	Freq MHz	Level dBuV	Over Limit dB	Limit Line dBuV	Read Level dBuV	LISN Factor dB	Cable Loss dB	Remark
1	0.178	42.01	-22.58	64.59	31.50	0.10	10.41	QP
2	0.178	26.11	-28.48	54.59	15.60	0.10	10.41	Average
3	0.201	42.26	-21.32	63.58	31.80	0.10	10.36	QP
4	0.201	29.96	-23.62	53.58	19.50	0.10	10.36	Average
5	0.280	39.02	-21.79	60.81	28.60	0.10	10.32	QP
6	0.280	20.62	-30.19	50.81	10.20	0.10	10.32	Average
7 *	0.474	35.95	-20.50	56.45	25.60	0.11	10.24	QP
8	0.474	19.65	-26.80	46.45	9.30	0.11	10.24	Average
9	3.258	32.20	-23.80	56.00	21.81	0.15	10.24	QP
10	3.258	23.30	-22.70	46.00	12.91	0.15	10.24	Average
11	3.436	32.70	-23.30	56.00	22.29	0.16	10.25	QP
12	3.436	23.30	-22.70	46.00	12.89	0.16	10.25	Average

Note:

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

Appendix B. Radiated Spurious Emission

Test Engineer :	Carry Xu	**Temperature :**	22~23°C
		Relative Humidity :	41~42%

UNII-1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. CDD 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		5149.92	63.57	-10.43	74	47.86	34.4	10.62	29.31	109	177	P	H
		5150	52.92	-1.08	54	37.21	34.4	10.62	29.31	109	177	A	H
		5182	112.91	-	-	97.15	34.47	10.63	29.34	109	177	P	H
		5182	105.13	-	-	89.37	34.47	10.63	29.34	109	177	A	H
		5148.16	64.44	-9.56	74	48.73	34.4	10.62	29.31	100	300	P	V
		5149.6	52.37	-1.63	54	36.66	34.4	10.62	29.31	100	300	A	V
		5182	109.85	-	-	94.09	34.47	10.63	29.34	100	300	P	V
		5182	102.75	-	-	86.99	34.47	10.63	29.34	100	300	A	V
802.11a CH 44 5220MHz		5139.52	60.35	-13.65	74	44.61	34.4	10.62	29.28	104	360	P	H
		5149.76	50.18	-3.82	54	34.47	34.4	10.62	29.31	104	360	A	H
		5224	113.31	-	-	97.54	34.5	10.66	29.39	104	360	P	H
		5224	106.17	-	-	90.4	34.5	10.66	29.39	104	360	A	H
		5352.84	57.14	-16.86	74	41.33	34.5	10.83	29.52	104	360	P	H
		5350.5	47.36	-6.64	54	31.55	34.5	10.83	29.52	104	360	A	H
		5121.44	58.87	-15.13	74	43.21	34.33	10.61	29.28	314	360	P	V
		5146.4	49.07	-4.93	54	33.36	34.4	10.62	29.31	314	360	A	V
		5218	109.21	-	-	93.41	34.5	10.66	29.36	314	360	P	V
		5218	102.41	-	-	86.61	34.5	10.66	29.36	314	360	A	V
		5363.82	56.52	-17.48	74	40.69	34.5	10.85	29.52	314	360	P	V
		5372.46	47.04	-6.96	54	31.21	34.5	10.85	29.52	314	360	A	V

802.11a CH 48 5240MHz		5359.32	57.71	-16.29	74	41.9	34.5	10.83	29.52	100	360	P	H
		5350.2	48.2	-5.8	54	32.39	34.5	10.83	29.52	100	360	A	H
		5242	113.35	-	-	97.54	34.5	10.7	29.39	100	360	P	H
		5242	106.38	-	-	90.57	34.5	10.7	29.39	100	360	A	H
		5366.52	56.1	-17.9	74	40.27	34.5	10.85	29.52	100	0	P	V
		5352.66	46.98	-7.02	54	31.17	34.5	10.83	29.52	100	0	A	V
		5242	105.13	-	-	89.32	34.5	10.7	29.39	100	0	P	V
		5242	98.4	-	-	82.59	34.5	10.7	29.39	100	0	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		10355	45.76	-22.54	68.3	59.3	37.39	15.55	66.48	300	0	P	H
		10355	45.97	-22.33	68.3	59.51	37.39	15.55	66.48	100	0	P	V
802.11a CH 44 5220MHz		10443	44.64	-23.66	68.3	57.94	37.48	15.6	66.38	100	0	P	H
		10443	44.55	-23.75	68.3	57.85	37.48	15.6	66.38	300	0	P	V
802.11a CH 48 5240MHz		10476	44.23	-24.07	68.3	57.43	37.52	15.62	66.34	100	0	P	H
		10476	44.72	-23.58	68.3	57.92	37.52	15.62	66.34	100	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 36 5180MHz		5148.64	62.71	-11.29	74	47	34.4	10.62	29.31	100	169	P	H
		5149.44	52.46	-1.54	54	36.75	34.4	10.62	29.31	100	169	A	H
		5182	110.64	-	-	94.88	34.47	10.63	29.34	100	169	P	H
		5182	102.82	-	-	87.06	34.47	10.63	29.34	100	169	A	H
		5147.84	62.17	-11.83	74	46.46	34.4	10.62	29.31	300	79	P	V
		5149.76	50.61	-3.39	54	34.9	34.4	10.62	29.31	300	79	A	V
		5182	108.62	-	-	92.86	34.47	10.63	29.34	300	79	P	V
		5182	101.21	-	-	85.45	34.47	10.63	29.34	300	79	A	V
802.11ax HE20 Full CH 44 5220MHz		5146.4	60.88	-13.12	74	45.17	34.4	10.62	29.31	100	179	P	H
		5149.6	49.96	-4.04	54	34.25	34.4	10.62	29.31	100	179	A	H
		5224	110.77	-	-	95	34.5	10.66	29.39	100	179	P	H
		5224	104.25	-	-	88.48	34.5	10.66	29.39	100	179	A	H
		5391.18	55.86	-18.14	74	40.04	34.5	10.87	29.55	100	179	P	H
		5351.76	46.85	-7.15	54	31.04	34.5	10.83	29.52	100	179	A	H
		5147.68	59.28	-14.72	74	43.57	34.4	10.62	29.31	100	296	P	V
		5148.32	49.42	-4.58	54	33.71	34.4	10.62	29.31	100	296	A	V
		5212	108.19	-	-	92.39	34.5	10.66	29.36	100	296	P	V
		5212	99.83	-	-	84.03	34.5	10.66	29.36	100	296	A	V
		5373.72	56.71	-17.29	74	40.91	34.5	10.85	29.55	100	296	P	V
		5350.14	46.51	-7.49	54	30.7	34.5	10.83	29.52	100	296	A	V

802.11ax HE20 Full CH 48 5240MHz		5350.68	57.62	-16.38	74	41.81	34.5	10.83	29.52	100	180	P	H
		5360.04	46.87	-7.13	54	31.06	34.5	10.83	29.52	100	180	A	H
	*	5248	110.06	-	-	94.28	34.5	10.7	29.42	100	180	P	H
		5248	101.21	-	-	85.43	34.5	10.7	29.42	100	180	A	H
		5386.32	56.62	-17.38	74	40.8	34.5	10.87	29.55	100	279	P	V
		5350.86	46.6	-7.4	54	30.79	34.5	10.83	29.52	100	279	A	V
	*	5242	107.57	-	-	91.76	34.5	10.7	29.39	100	279	P	V
		5242	98.49	-	-	82.68	34.5	10.7	29.39	100	279	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 36 5180MHz		10355	44.95	-23.35	68.3	58.49	37.39	15.55	66.48	100	360	P	H
		10355	45.6	-22.7	68.3	59.14	37.39	15.55	66.48	100	0	P	V
802.11ax HE20 Full CH 44 5220MHz		10443	44.91	-23.39	68.3	58.21	37.48	15.6	66.38	300	0	P	H
		10443	44.99	-23.31	68.3	58.29	37.48	15.6	66.38	100	0	P	V
802.11ax HE20 Full CH 48 5240MHz		10476	45.9	-22.4	68.3	59.1	37.52	15.62	66.34	100	0	P	V
		10476	44.87	-23.43	68.3	58.07	37.52	15.62	66.34	300	0	P	H
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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 106/53 CH 36 5180MHz		5147.52	60.91	-13.09	74	45.2	34.4	10.62	29.31	100	0	P	H
		5150	50.17	-3.83	54	34.46	34.4	10.62	29.31	100	0	A	H
		5176	111.95	-	-	96.19	34.47	10.63	29.34	100	0	P	H
		5176	103.4	-	-	87.64	34.47	10.63	29.34	100	0	A	H
		5138.4	58.81	-15.19	74	43.11	34.37	10.61	29.28	400	115	P	V
		5150	48.71	-5.29	54	33	34.4	10.62	29.31	400	115	A	V
		5176	108.94	-	-	93.18	34.47	10.63	29.34	400	115	P	V
		5176	100.42	-	-	84.66	34.47	10.63	29.34	400	115	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 38 5190MHz		5147.68	65.63	-8.37	74	49.92	34.4	10.62	29.31	100	178	P	H
		5149.28	52.94	-1.06	54	37.23	34.4	10.62	29.31	100	178	A	H
	*	5188	108.61	-	-	92.85	34.47	10.63	29.34	100	178	P	H
		5188	101.54	-	-	85.78	34.47	10.63	29.34	100	178	A	H
		5365.62	58.69	-15.31	74	42.86	34.5	10.85	29.52	100	178	P	H
		5355.36	47.95	-6.05	54	32.14	34.5	10.83	29.52	100	178	A	H
		5149.92	65.15	-8.85	74	49.44	34.4	10.62	29.31	100	299	P	V
		5148.48	52.46	-1.54	54	36.75	34.4	10.62	29.31	100	299	A	V
	*	5206	105.86	-	-	90.08	34.5	10.64	29.36	100	299	P	V
		5206	95.28	-	-	79.5	34.5	10.64	29.36	100	299	A	V
		5369.04	58.36	-15.64	74	42.53	34.5	10.85	29.52	100	299	P	V
		5366.16	47.56	-6.44	54	31.73	34.5	10.85	29.52	100	299	A	V
802.11ax HE40 Full CH 46 5230MHz		5150.08	62.97	-5.33	68.3	47.26	34.4	10.62	29.31	100	180	P	H
		5149.12	51.63	-2.37	54	35.92	34.4	10.62	29.31	100	180	A	H
	*	5218	109.69	-	-	93.89	34.5	10.66	29.36	100	180	P	H
		5218	101.2	-	-	85.4	34.5	10.66	29.36	100	180	A	H
		5365.08	59	-15	74	43.17	34.5	10.85	29.52	100	180	P	H
		5374.62	49.33	-4.67	54	33.53	34.5	10.85	29.55	100	180	A	H
		5148.96	63.51	-10.49	74	47.8	34.4	10.62	29.31	100	298	P	V
		5147.36	51.27	-2.73	54	35.56	34.4	10.62	29.31	100	298	A	V
	*	5212	106.03	-	-	90.23	34.5	10.66	29.36	100	298	P	V
		5212	98.7	-	-	82.9	34.5	10.66	29.36	100	298	A	V
		5374.98	57.71	-16.29	74	41.91	34.5	10.85	29.55	100	298	P	V
		5371.74	48.57	-5.43	54	32.74	34.5	10.85	29.52	100	298	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 38 5190MHz		10377	44.61	-23.69	68.3	58.05	37.43	15.57	66.44	300	0	P	H
		10377	45.55	-22.75	68.3	58.99	37.43	15.57	66.44	100	0	P	V
802.11ax HE40 Full CH 46 5230MHz		10465	46.04	-22.26	68.3	59.24	37.52	15.62	66.34	300	0	P	H
		10465	44.89	-23.41	68.3	58.09	37.52	15.62	66.34	100	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 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.
CDD 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 42 5210MHz		5145.76	65.56	-8.44	74	49.85	34.4	10.62	29.31	100	179	P	H
		5145.92	52.73	-1.27	54	37.02	34.4	10.62	29.31	100	179	A	H
	*	5200	102.58	-	-	86.8	34.5	10.64	29.36	100	179	P	H
		5200	95.88	-	-	80.1	34.5	10.64	29.36	100	179	A	H
		5363.82	58.02	-15.98	74	42.19	34.5	10.85	29.52	100	179	P	H
		5399.82	48.88	-5.12	54	33.06	34.5	10.89	29.57	100	179	A	H
		5147.68	66.73	-7.27	74	51.02	34.4	10.62	29.31	100	299	P	V
		5148.8	52.93	-1.07	54	37.22	34.4	10.62	29.31	100	299	A	V
	*	5194	103.59	-	-	87.79	34.5	10.64	29.34	100	299	P	V
		5194	95.86	-	-	80.06	34.5	10.64	29.34	100	299	A	V
		5353.56	56.97	-17.03	74	41.16	34.5	10.83	29.52	100	299	P	V
		5371.38	48.05	-5.95	54	32.22	34.5	10.85	29.52	100	299	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 42 5210MHz		10421	45	-23.3	68.3	58.34	37.47	15.59	66.4	100	360	P	H
		10421	44	-24.3	68.3	57.34	37.47	15.59	66.4	100	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
TxBF 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 36 5180MHz		5146.08	62.8	-11.2	74	47.09	34.4	10.62	29.31	158	0	P	H
		5116.96	52.7	-1.3	54	37.02	34.33	10.61	29.26	158	0	A	H
	*	5182	111.86	-	-	96.1	34.47	10.63	29.34	158	0	P	H
		5182	93.36	-	-	77.6	34.47	10.63	29.34	158	0	A	H
		5148	63.74	-10.26	74	48.03	34.4	10.62	29.31	104	105	P	V
		5146.72	52.63	-1.37	54	36.92	34.4	10.62	29.31	104	105	A	V
	*	5182	109.84	-	-	94.08	34.47	10.63	29.34	104	105	P	V
		5182	93.06	-	-	77.3	34.47	10.63	29.34	104	105	A	V
802.11ax HE20 Full CH 44 5220MHz		5143.68	59.34	-14.66	74	43.6	34.4	10.62	29.28	101	360	P	H
		5140	52.21	-1.79	54	36.47	34.4	10.62	29.28	101	360	A	H
	*	5212	110.21	-	-	94.41	34.5	10.66	29.36	101	360	P	H
		5212	99.29	-	-	83.49	34.5	10.66	29.36	101	360	A	H
		5358.06	57.41	-16.59	74	41.6	34.5	10.83	29.52	101	360	P	H
		5397.48	49.84	-4.16	54	34	34.5	10.89	29.55	101	360	A	H
		5147.68	59.87	-14.13	74	44.16	34.4	10.62	29.31	100	112	P	V
		5108.64	51.96	-2.04	54	36.28	34.33	10.61	29.26	100	112	A	V
	*	5224	110.25	-	-	94.48	34.5	10.66	29.39	100	112	P	V
		5224	95.04	-	-	79.27	34.5	10.66	29.39	100	112	A	V
		5352.3	56.93	-17.07	74	41.12	34.5	10.83	29.52	100	112	P	V
		5367.42	49.89	-4.11	54	34.06	34.5	10.85	29.52	100	112	A	V

802.11ax HE20 Full CH 48 5240MHz	*	5236	111.15	-	-	95.36	34.5	10.68	29.39	106	352	P	H
		5236	96.77	-	-	80.98	34.5	10.68	29.39	106	352	A	H
		5357.88	57.46	-16.54	74	41.65	34.5	10.83	29.52	106	352	P	H
		5369.22	50	-4	54	34.17	34.5	10.85	29.52	106	352	A	H
	*	5242	107.22	-	-	91.41	34.5	10.7	29.39	100	120	P	V
		5242	94.76	-	-	78.95	34.5	10.7	29.39	100	120	A	V
		5356.8	57.06	-16.94	74	41.25	34.5	10.83	29.52	100	120	P	V
		5364.54	50.13	-3.87	54	34.3	34.5	10.85	29.52	100	120	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
TxBF 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 36 5180MHz		10360	44.59	-23.71	68.3	58.08	37.41	15.56	66.46	100	0	P	H
		10360	44.43	-23.87	68.3	57.92	37.41	15.56	66.46	100	360	P	V
802.11ax HE20 Full CH 44 5220MHz		10440	45	-23.3	68.3	58.3	37.48	15.6	66.38	100	360	P	H
		10440	44.54	-23.76	68.3	57.84	37.48	15.6	66.38	100	0	P	V
802.11ax HE20 Full CH 48 5240MHz		10480	46.21	-22.09	68.3	59.36	37.54	15.63	66.32	100	0	P	H
		10480	44.81	-23.49	68.3	57.96	37.54	15.63	66.32	100	360	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 HE40 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.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 38 5190MHz		5148	69.02	-4.98	74	53.31	34.4	10.62	29.31	100	162	P	H
		5141.28	52.51	-1.49	54	36.77	34.4	10.62	29.28	100	162	A	H
		5200	108.32	-	-	92.54	34.5	10.64	29.36	100	162	P	H
		5200	91.99	-	-	76.21	34.5	10.64	29.36	100	162	A	H
		5375.7	56.91	-17.09	74	41.11	34.5	10.85	29.55	100	162	P	H
		5351.04	50	-4	54	34.19	34.5	10.83	29.52	100	162	A	H
		5127.04	59.29	-14.71	74	43.59	34.37	10.61	29.28	310	69	P	V
		5119.36	51.96	-2.04	54	36.3	34.33	10.61	29.28	310	69	A	V
		5194	100.34	-	-	84.54	34.5	10.64	29.34	310	69	P	V
		5194	81.27	-	-	65.47	34.5	10.64	29.34	310	69	A	V
		5364.54	56.39	-17.61	74	40.56	34.5	10.85	29.52	310	69	P	V
		5378.94	50.06	-3.94	54	34.24	34.5	10.87	29.55	310	69	A	V
802.11ax HE40 Full CH 46 5230MHz		5129.28	59.95	-14.05	74	44.25	34.37	10.61	29.28	100	183	P	H
		5116.16	52.7	-1.3	54	37.02	34.33	10.61	29.26	100	183	A	H
		5242	108.79	-	-	92.98	34.5	10.7	29.39	100	183	P	H
		5242	90.59	-	-	74.78	34.5	10.7	29.39	100	183	A	H
		5389.2	56.94	-17.06	74	41.12	34.5	10.87	29.55	100	183	P	H
		5364	50.54	-3.46	54	34.71	34.5	10.85	29.52	100	183	A	H
		5101.28	58.87	-15.13	74	43.23	34.3	10.6	29.26	368	310	P	V
		5138.24	52.31	-1.69	54	36.61	34.37	10.61	29.28	368	309	A	V
		5236	106.22	-	-	90.43	34.5	10.68	29.39	368	310	P	V
		5236	87.77	-	-	71.98	34.5	10.68	29.39	368	310	A	V
		5351.58	56.48	-17.52	74	40.67	34.5	10.83	29.52	368	310	P	V
		5384.88	50.38	-3.62	54	34.56	34.5	10.87	29.55	368	309	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 38 5190MHz		10380	44.63	-23.67	68.3	58.07	37.43	15.57	66.44	100	360	P	H
		10380	44.47	-23.83	68.3	57.91	37.43	15.57	66.44	300	0	P	V
802.11ax HE40 Full CH 46 5230MHz		10460	45.39	-22.91	68.3	58.64	37.5	15.61	66.36	100	0	P	H
		10460	44.64	-23.66	68.3	57.89	37.5	15.61	66.36	100	360	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 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.
TxBF 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 42 5210MHz		5149.76	66.03	-7.97	74	50.32	34.4	10.62	29.31	100	138	P	H
		5135.2	52.49	-1.51	54	36.79	34.37	10.61	29.28	100	138	A	H
	*	5218	101.42	-	-	85.62	34.5	10.66	29.36	100	138	P	H
		5218	85.79	-	-	69.99	34.5	10.66	29.36	100	138	A	H
		5384.7	59.18	-14.82	74	43.36	34.5	10.87	29.55	100	138	P	H
		5351.58	52.41	-1.59	54	36.6	34.5	10.83	29.52	100	138	A	H
		5146.56	70.41	-3.59	74	54.7	34.4	10.62	29.31	100	300	P	V
		5140.32	52.47	-1.53	54	36.73	34.4	10.62	29.28	100	300	A	V
	*	5200	103.08	-	-	87.3	34.5	10.64	29.36	100	300	P	V
		5200	86.13	-	-	70.35	34.5	10.64	29.36	100	300	A	V
		5377.5	58.1	-15.9	74	42.28	34.5	10.87	29.55	100	300	P	V
		5378.4	52.31	-1.69	54	36.49	34.5	10.87	29.55	100	300	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 42 5210MHz		10420	46.19	-22.11	68.3	59.53	37.47	15.59	66.4	100	0	P	H
		10420	44.7	-23.6	68.3	58.04	37.47	15.59	66.4	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 802.11a (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.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5138.56	60.45	-13.55	74	44.75	34.37	10.61	29.28	100	0	P	H
		5149.44	49.73	-4.27	54	34.02	34.4	10.62	29.31	100	0	A	H
	*	5260	112.18	-	-	96.38	34.5	10.72	29.42	100	0	P	H
		5260	106.22	-	-	90.42	34.5	10.72	29.42	100	0	A	H
		5116.96	58.73	-15.27	74	43.05	34.33	10.61	29.26	298	360	P	V
		5134.08	48.91	-5.09	54	33.21	34.37	10.61	29.28	298	360	A	V
	*	5260	109.07	-	-	93.27	34.5	10.72	29.42	298	360	P	V
		5260	101.97	-	-	86.17	34.5	10.72	29.42	298	360	A	V
802.11a CH 60 5300MHz		5119.2	59.05	-14.95	74	43.39	34.33	10.61	29.28	100	188	P	H
		5117.28	49.8	-4.2	54	34.12	34.33	10.61	29.26	100	188	A	H
	*	5302	113.81	-	-	98.01	34.5	10.77	29.47	100	188	P	H
		5302	107.04	-	-	91.24	34.5	10.77	29.47	100	188	A	H
		5362.2	59.56	-14.44	74	43.73	34.5	10.85	29.52	100	188	P	H
		5350.4	50.35	-3.65	54	34.54	34.5	10.83	29.52	100	188	A	H
		5147.2	58.91	-15.09	74	43.2	34.4	10.62	29.31	300	331	P	V
		5110.72	48.87	-5.13	54	33.19	34.33	10.61	29.26	300	331	A	V
	*	5302	108.88	-	-	93.08	34.5	10.77	29.47	300	331	P	V
		5302	102.11	-	-	86.31	34.5	10.77	29.47	300	331	A	V
		5353.4	58.63	-15.37	74	42.82	34.5	10.83	29.52	300	331	P	V
		5350.4	48.84	-5.16	54	33.03	34.5	10.83	29.52	300	331	A	V

802.11a CH 64 5320MHz		5354.5	61.6	-12.4	74	45.79	34.5	10.83	29.52	100	187	P	H
		5350.4	52.01	-1.99	54	36.2	34.5	10.83	29.52	100	187	A	H
	*	5320	111.91	-	-	96.09	34.5	10.79	29.47	100	187	P	H
		5320	105.14	-	-	89.32	34.5	10.79	29.47	100	187	A	H
		5350.3	62.51	-11.49	74	46.7	34.5	10.83	29.52	100	294	P	V
		5350	51.45	-2.55	54	35.64	34.5	10.83	29.52	100	294	A	V
	*	5320	110.14	-	-	94.32	34.5	10.79	29.47	100	294	P	V
		5320	103.07	-	-	87.25	34.5	10.79	29.47	100	294	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		10520	45.25	-23.05	68.3	58.32	37.58	15.64	66.29	100	360	P	H
		10520	44.6	-23.7	68.3	57.67	37.58	15.64	66.29	100	0	P	V
802.11a CH 60 5300MHz		10600	44.89	-29.11	74	57.72	37.67	15.69	66.19	100	0	P	H
		10600	44.9	-29.1	74	57.73	37.67	15.69	66.19	100	360	P	V
802.11a CH 64 5320MHz		10641	45.19	-28.81	74	57.92	37.71	15.71	66.15	300	0	P	H
		10641	45.2	-28.8	74	57.93	37.71	15.71	66.15	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 802.11ax 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.
CDD 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 52 5260MHz		5149.67	60.66	-13.34	74	44.95	34.4	10.62	29.31	100	178	P	H
		5148.48	49.63	-4.37	54	33.92	34.4	10.62	29.31	100	178	A	H
	*	5260	113.34	-	-	97.54	34.5	10.72	29.42	100	178	P	H
		5260	104.75	-	-	88.95	34.5	10.72	29.42	100	178	A	H
		5149.28	60.33	-13.67	74	44.62	34.4	10.62	29.31	100	287	P	V
		5132.32	49.32	-4.68	54	33.62	34.37	10.61	29.28	100	287	A	V
	*	5260	109.4	-	-	93.6	34.5	10.72	29.42	100	287	P	V
		5260	102.58	-	-	86.78	34.5	10.72	29.42	100	287	A	V
802.11ax HE20 Full CH 60 5300MHz		5109.76	59.14	-14.86	74	43.46	34.33	10.61	29.26	100	180	P	H
		5117.6	48.66	-5.34	54	32.98	34.33	10.61	29.26	100	180	A	H
	*	5302	110.67	-	-	94.87	34.5	10.77	29.47	100	180	P	H
		5302	102.83	-	-	87.03	34.5	10.77	29.47	100	180	A	H
		5351.5	57.74	-16.26	74	41.93	34.5	10.83	29.52	100	180	P	H
		5350.1	48.39	-5.61	54	32.58	34.5	10.83	29.52	100	180	A	H
		5110.88	60	-14	74	44.32	34.33	10.61	29.26	100	296	P	V
		5117.28	48.64	-5.36	54	32.96	34.33	10.61	29.26	100	296	A	V
	*	5302	109.63	-	-	93.83	34.5	10.77	29.47	100	296	P	V
		5302	101.64	-	-	85.84	34.5	10.77	29.47	100	296	A	V
		5384.7	57.37	-16.63	74	41.55	34.5	10.87	29.55	100	296	P	V
		5353.8	47.81	-6.19	54	32	34.5	10.83	29.52	100	296	A	V

802.11ax HE20 Full CH 64 5320MHz		5353.2	60.12	-13.88	74	44.31	34.5	10.83	29.52	120	179	P	H
		5350.8	51.06	-2.94	54	35.25	34.5	10.83	29.52	120	179	A	H
	*	5320	111.42	-	-	95.6	34.5	10.79	29.47	120	179	P	H
		5320	102.98	-	-	87.16	34.5	10.79	29.47	120	179	A	H
		5351	62.11	-11.89	74	46.3	34.5	10.83	29.52	315	172	P	V
		5350	51.02	-2.98	54	35.21	34.5	10.83	29.52	315	172	A	V
	*	5314	110.55	-	-	94.73	34.5	10.79	29.47	315	172	P	V
		5314	102.22	-	-	86.4	34.5	10.79	29.47	315	172	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 52 5260MHz		10520	44.68	-23.62	68.3	57.75	37.58	15.64	66.29	100	360	P	H
		10520	44.67	-23.63	68.3	57.74	37.58	15.64	66.29	300	0	P	V
802.11ax HE20 Full CH 60 5300MHz		10600	45.39	-28.61	74	58.22	37.67	15.69	66.19	100	360	P	H
		10600	45.16	-28.84	74	57.99	37.67	15.69	66.19	300	360	P	V
802.11ax HE20 Full CH 64 5320MHz		10641	46.75	-27.25	74	59.48	37.71	15.71	66.15	300	0	P	H
		10640	44.73	-29.27	74	57.46	37.71	15.71	66.15	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 HE20 Partial 106 (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.
CDD 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 106/54 CH 64 5320MHz		5353.1	58.44	-15.56	74	42.63	34.5	10.83	29.52	100	9	P	H
		5350	49.24	-4.76	54	33.43	34.5	10.83	29.52	100	9	A	H
		5320	112.55	-	-	96.73	34.5	10.79	29.47	100	9	P	H
		5320	103.79	-	-	87.97	34.5	10.79	29.47	100	9	A	H
		5352.5	58.67	-15.33	74	42.86	34.5	10.83	29.52	103	118	P	V
		5350	48.04	-5.96	54	32.23	34.5	10.83	29.52	103	118	A	V
		5326	108.98	-	-	93.18	34.5	10.79	29.49	103	118	P	V
		5326	101.68	-	-	85.88	34.5	10.79	29.49	103	118	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 54 5270MHz		5112.96	62.91	-11.09	74	47.23	34.33	10.61	29.26	100	174	P	H
		5108.48	51.73	-2.27	54	36.05	34.33	10.61	29.26	100	174	A	H
		5260	109.57	-	-	93.77	34.5	10.72	29.42	100	174	P	H
		5260	101.65	-	-	85.85	34.5	10.72	29.42	100	174	A	H
		5352.5	60.33	-13.67	74	44.52	34.5	10.83	29.52	100	174	P	H
		5350.1	51.23	-2.77	54	35.42	34.5	10.83	29.52	100	174	A	H
		5130.88	60.34	-13.66	74	44.64	34.37	10.61	29.28	100	287	P	V
		5130.88	50.4	-3.6	54	34.7	34.37	10.61	29.28	100	287	A	V
		5278	108.89	-	-	93.09	34.5	10.74	29.44	100	287	P	V
		5278	99.38	-	-	83.58	34.5	10.74	29.44	100	287	A	V
		5350.2	61.58	-12.42	74	45.77	34.5	10.83	29.52	100	287	P	V
		5350	50.55	-3.45	54	34.74	34.5	10.83	29.52	100	287	A	V
802.11ax HE40 Full CH 62 5310MHz		5125.92	58.92	-15.08	74	43.22	34.37	10.61	29.28	135	179	P	H
		5149.6	49.38	-4.62	54	33.67	34.4	10.62	29.31	135	179	A	H
		5320	103.61	-	-	87.79	34.5	10.79	29.47	135	179	P	H
		5320	97.42	-	-	81.6	34.5	10.79	29.47	135	179	A	H
		5352.5	62.78	-11.22	74	46.97	34.5	10.83	29.52	135	179	P	H
		5350.8	52.33	-1.67	54	36.52	34.5	10.83	29.52	135	179	A	H
		5136.32	59.1	-14.9	74	43.4	34.37	10.61	29.28	300	164	P	V
		5116	48.96	-5.04	54	33.28	34.33	10.61	29.26	300	164	A	V
		5296	103.55	-	-	87.72	34.5	10.77	29.44	300	164	P	V
		5296	96.22	-	-	80.39	34.5	10.77	29.44	300	164	A	V
		5355.3	61.68	-12.32	74	45.87	34.5	10.83	29.52	300	164	P	V
		5350.3	50.28	-3.72	54	34.47	34.5	10.83	29.52	300	164	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 54 5270MHz		10542	45.54	-22.76	68.3	58.56	37.6	15.65	66.27	100	0	P	H
		10540	45.13	-23.17	68.3	58.15	37.6	15.65	66.27	100	360	P	V
802.11ax HE40 Full CH 62 5310MHz		10620	44.86	-29.14	74	57.64	37.69	15.7	66.17	300	360	P	H
		10620	44.58	-29.42	74	57.36	37.69	15.7	66.17	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 802.11ax HE80 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.
CDD 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 58 5290MHz		5133.28	61.08	-12.92	74	45.38	34.37	10.61	29.28	100	183	P	H
		5108.48	50.53	-3.47	54	34.85	34.33	10.61	29.26	100	183	A	H
		5302	101.2	-	-	85.4	34.5	10.77	29.47	100	183	P	H
		5302	93.14	-	-	77.34	34.5	10.77	29.47	100	183	A	H
		5353.6	61.78	-12.22	74	45.97	34.5	10.83	29.52	100	183	P	H
		5350.8	52.54	-1.46	54	36.73	34.5	10.83	29.52	100	183	A	H
		5147.52	59.53	-14.47	74	43.82	34.4	10.62	29.31	301	164	P	V
		5112.48	49.25	-4.75	54	33.57	34.33	10.61	29.26	301	164	A	V
		5302	99.2	-	-	83.4	34.5	10.77	29.47	301	164	P	V
		5302	91.12	-	-	75.32	34.5	10.77	29.47	301	164	A	V
		5355.2	60.24	-13.76	74	44.43	34.5	10.83	29.52	301	164	P	V
		5352.3	50.08	-3.92	54	34.27	34.5	10.83	29.52	301	164	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 58 5290MHz		10575	45.54	-22.76	68.3	58.47	37.63	15.67	66.23	100	360	P	H
		10580	45.03	-23.27	68.3	57.91	37.65	15.68	66.21	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C 5250~5350MHz

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.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 52 5260MHz		5112.32	58.4	-15.6	74	42.72	34.33	10.61	29.26	103	0	P	H
		5141.76	52.15	-1.85	54	36.41	34.4	10.62	29.28	103	0	A	H
	*	5260	111.23	-	-	95.43	34.5	10.72	29.42	103	0	P	H
		5260	91.92	-	-	76.12	34.5	10.72	29.42	103	0	A	H
		5130.56	58.17	-15.83	74	42.47	34.37	10.61	29.28	106	110	P	V
		5112	51.77	-2.23	54	36.09	34.33	10.61	29.26	106	110	A	V
	*	5272	105.53	-	-	89.75	34.5	10.72	29.44	106	110	P	V
		5272	90.68	-	-	74.9	34.5	10.72	29.44	106	110	A	V
802.11ax HE20 Full CH 60 5300MHz		5144	58.84	-15.16	74	43.13	34.4	10.62	29.31	102	353	P	H
		5115.68	51.79	-2.21	54	36.11	34.33	10.61	29.26	102	353	A	H
	*	5302	113.08	-	-	97.28	34.5	10.77	29.47	102	353	P	H
		5302	94.03	-	-	78.23	34.5	10.77	29.47	102	353	A	H
		5351.3	60.67	-13.33	74	44.86	34.5	10.83	29.52	102	353	P	H
		5368	50.39	-3.61	54	34.56	34.5	10.85	29.52	102	353	A	H
		5124.16	59.21	-14.79	74	43.51	34.37	10.61	29.28	100	111	P	V
		5119.52	52	-2	54	36.34	34.33	10.61	29.28	100	111	A	V
	*	5302	110.9	-	-	95.1	34.5	10.77	29.47	100	111	P	V
		5302	93.89	-	-	78.09	34.5	10.77	29.47	100	111	A	V
		5350.4	58.72	-15.28	74	42.91	34.5	10.83	29.52	100	111	P	V
		5353.9	50.13	-3.87	54	34.32	34.5	10.83	29.52	100	111	A	V

802.11ax HE20 Full CH 64 5320MHz	*	5320	108.93	-	-	93.11	34.5	10.79	29.47	100	360	P	H
		5320	95.34	-	-	79.52	34.5	10.79	29.47	100	360	A	H
		5352	61.21	-12.79	74	45.4	34.5	10.83	29.52	100	360	P	H
		5362.7	50.79	-3.21	54	34.96	34.5	10.85	29.52	100	360	A	H
	*	5320	108.01	-	-	92.19	34.5	10.79	29.47	252	331	P	V
		5320	91.62	-	-	75.8	34.5	10.79	29.47	252	331	A	V
		5351.7	61.98	-12.02	74	46.17	34.5	10.83	29.52	252	330	P	V
		5350.1	50.22	-3.78	54	34.41	34.5	10.83	29.52	252	330	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 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.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 52 5260MHz		10520	44.76	-23.54	68.3	57.83	37.58	15.64	66.29	100	0	P	H
		10520	45.26	-23.04	68.3	58.33	37.58	15.64	66.29	300	0	P	V
802.11ax HE20 Full CH 60 5300MHz		10600	45.19	-28.81	74	58.02	37.67	15.69	66.19	100	0	P	H
		10600	45.92	-28.08	74	58.75	37.67	15.69	66.19	100	360	P	V
802.11ax HE20 Full CH 64 5320MHz		10641	44.92	-29.08	74	57.65	37.71	15.71	66.15	100	0	P	H
		10641	44.89	-29.11	74	57.62	37.71	15.71	66.15	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C 5250~5350MHz

WIFI 802.11ax HE40 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.
TxBF 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 54 5270MHz		5149.76	58.83	-15.17	74	43.12	34.4	10.62	29.31	100	98	P	H
		5110.88	52.42	-1.58	54	36.74	34.33	10.61	29.26	100	98	A	H
	*	5272	108.59	-	-	92.81	34.5	10.72	29.44	100	98	P	H
		5272	90.03	-	-	74.25	34.5	10.72	29.44	100	98	A	H
		5364.7	60.49	-13.51	74	44.66	34.5	10.85	29.52	100	98	P	H
		5359.1	50.79	-3.21	54	34.98	34.5	10.83	29.52	100	98	A	H
		5135.04	58.86	-15.14	74	43.16	34.37	10.61	29.28	100	38	P	V
		5115.04	52.53	-1.47	54	36.85	34.33	10.61	29.26	100	38	A	V
		5266	99.91	-	-	84.11	34.5	10.72	29.42	100	38	P	V
	*	5266	82.66	-	-	66.86	34.5	10.72	29.42	100	38	A	V
		5353.4	56.53	-17.47	74	40.72	34.5	10.83	29.52	100	38	P	V
		5394.2	50.53	-3.47	54	34.71	34.5	10.87	29.55	100	38	A	V
802.11ax HE40 Full CH 62 5310MHz		5123.36	58.17	-15.83	74	42.47	34.37	10.61	29.28	300	107	P	H
		5120.16	52.6	-1.4	54	36.94	34.33	10.61	29.28	300	107	A	H
	*	5308	103.93	-	-	88.13	34.5	10.77	29.47	300	107	P	H
		5308	85.58	-	-	69.78	34.5	10.77	29.47	300	107	A	H
		5350.7	65.15	-8.85	74	49.34	34.5	10.83	29.52	300	107	P	H
		5350.4	52.32	-1.68	54	36.51	34.5	10.83	29.52	300	107	A	H
		5110.4	59.17	-14.83	74	43.49	34.33	10.61	29.26	100	294	P	V
		5135.84	52.47	-1.53	54	36.77	34.37	10.61	29.28	100	294	A	V
	*	5308	104.51	-	-	88.71	34.5	10.77	29.47	100	294	P	V
		5308	85.25	-	-	69.45	34.5	10.77	29.47	100	294	A	V
		5351	70.63	-3.37	74	54.82	34.5	10.83	29.52	100	294	P	V
		5350	52.45	-1.55	54	36.64	34.5	10.83	29.52	100	294	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C 5250~5350MHz

WIFI 802.11ax HE40 Full (Harmonic @ 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.
TxBF 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 54 5270MHz		10540	45.51	-22.79	68.3	58.53	37.6	15.65	66.27	100	360	P	H
		10540	45.29	-23.01	68.3	58.31	37.6	15.65	66.27	100	0	P	V
802.11ax HE40 Full CH 62 5310MHz		10620	45.6	-28.4	74	58.38	37.69	15.7	66.17	100	0	P	H
		10620	44.79	-29.21	74	57.57	37.69	15.7	66.17	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C 5250~5350MHz

WIFI 802.11ax HE80 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.
TxBF 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 58 5290MHz		5110.56	61.45	-12.55	74	45.77	34.33	10.61	29.26	100	170	P	H
		5108.8	48.61	-5.39	54	32.93	34.33	10.61	29.26	100	170	A	H
	*	5284	103.64	-	-	87.84	34.5	10.74	29.44	100	170	P	H
		5284	83.45	-	-	67.65	34.5	10.74	29.44	100	170	A	H
		5354.5	65.81	-8.19	74	50	34.5	10.83	29.52	100	170	P	H
		5378.7	52.9	-1.1	54	37.08	34.5	10.87	29.55	100	170	A	H
		5116.32	60	-14	74	44.32	34.33	10.61	29.26	100	279	P	V
		5141.76	52.26	-1.74	54	36.52	34.4	10.62	29.28	100	279	A	V
	*	5278	99.02	-	-	83.22	34.5	10.74	29.44	100	279	P	V
		5278	82.45	-	-	66.65	34.5	10.74	29.44	100	279	A	V
		5353.4	67.66	-6.34	74	51.85	34.5	10.83	29.52	100	279	P	V
		5352.3	52.8	-1.2	54	36.99	34.5	10.83	29.52	100	279	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 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.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 58 5290MHz		10580	45.96	-22.34	68.3	58.84	37.65	15.68	66.21	100	360	P	H
		10580	44.4	-23.9	68.3	57.28	37.65	15.68	66.21	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 802.11a (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.
CDD 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5453.04	62.75	-11.25	74	46.88	34.53	10.97	29.63	100	179	P	H
		5463.28	62.26	-6.04	68.3	46.37	34.53	10.99	29.63	100	179	P	H
		5459.44	52.16	-1.84	54	36.29	34.53	10.97	29.63	100	179	A	H
	*	5500	113.86	-	-	97.92	34.55	11.04	29.65	100	179	P	H
		5500	107	-	-	91.06	34.55	11.04	29.65	100	179	A	H
		5459.76	57.4	-16.6	74	41.53	34.53	10.97	29.63	353	160	P	V
		5469.68	60.49	-7.81	68.3	44.6	34.53	10.99	29.63	353	160	P	V
		5458.32	48.69	-5.31	54	32.82	34.53	10.97	29.63	353	160	A	V
	*	5500	109.25	-	-	93.31	34.55	11.04	29.65	353	160	P	V
		5500	101.96	-	-	86.02	34.55	11.04	29.65	353	160	A	V
802.11a CH 116 5580MHz		5357.2	57.25	-16.75	74	41.44	34.5	10.83	29.52	100	324	P	H
		5465.2	57.17	-11.13	68.3	41.28	34.53	10.99	29.63	100	324	P	H
		5459.92	48.06	-5.94	54	32.19	34.53	10.97	29.63	100	324	A	H
	*	5578	111.77	-	-	95.81	34.58	11.14	29.76	100	324	P	H
		5578	105.28	-	-	89.32	34.58	11.14	29.76	100	324	A	H
		5735	58.21	-10.09	68.3	41.76	34.89	11.34	29.78	100	324	P	H
		5427.12	56.98	-17.02	74	41.16	34.51	10.91	29.6	383	360	P	V
		5460.4	57.01	-11.29	68.3	41.14	34.53	10.97	29.63	383	360	P	V
		5448.56	47.66	-6.34	54	31.76	34.53	10.97	29.6	383	360	A	V
	*	5578	108.88	-	-	92.92	34.58	11.14	29.76	383	360	P	V
		5578	100.95	-	-	84.99	34.58	11.14	29.76	383	360	A	V
		5760.28	57.96	-10.34	68.3	41.45	34.93	11.35	29.77	383	360	P	V

802.11a CH 140 5700MHz		5726.2	67.03	-1.27	68.3	50.65	34.85	11.32	29.79	100	128	P	H
	*	5704	111.2	-	-	94.88	34.82	11.3	29.8	100	128	P	H
		5704	93.17	-	-	76.85	34.82	11.3	29.8	100	128	A	H
		5726.28	61.29	-7.01	68.3	44.91	34.85	11.32	29.79	100	320	P	V
	*	5704	106.18	-	-	89.86	34.82	11.3	29.8	100	320	P	V
		5704	98.78	-	-	82.46	34.82	11.3	29.8	100	320	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		11004	45.01	-28.99	74	56.74	38.1	15.9	65.73	300	0	P	H
		11004	45.51	-28.49	74	57.24	38.1	15.9	65.73	100	360	P	V
802.11a CH 116 5580MHz		11158	46.5	-27.5	74	57.96	38.2	15.98	65.64	300	0	P	H
		11160	45.59	-28.41	74	57.05	38.2	15.98	65.64	100	0	P	V
802.11a CH 140 5700MHz		11400	45.11	-28.89	74	56.17	38.34	16.1	65.5	300	360	P	H
		11400	45.31	-28.69	74	56.37	38.34	16.1	65.5	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 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.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 100 5500MHz		5452.56	59.88	-14.12	74	44.01	34.53	10.97	29.63	100	132	P	H
		5469.84	64.45	-3.85	68.3	48.56	34.53	10.99	29.63	100	132	P	H
		5460	50.75	-3.25	54	34.88	34.53	10.97	29.63	100	132	A	H
		5500	110.61	-	-	94.67	34.55	11.04	29.65	100	132	P	H
		5500	104.3	-	-	88.36	34.55	11.04	29.65	100	132	A	H
		5384.56	58.13	-15.87	74	42.31	34.5	10.87	29.55	276	350	P	V
		5469.2	62.95	-5.35	68.3	47.06	34.53	10.99	29.63	276	350	P	V
		5459.92	48.98	-5.02	54	33.11	34.53	10.97	29.63	276	350	A	V
		5494	110.42	-	-	94.51	34.54	11.02	29.65	276	350	P	V
		5494	101.34	-	-	85.43	34.54	11.02	29.65	276	350	A	V
802.11ax HE20 Full CH 116 5580MHz		5357.2	57.25	-16.75	74	41.44	34.5	10.83	29.52	100	324	P	H
		5465.2	57.17	-11.13	68.3	41.28	34.53	10.99	29.63	100	324	P	H
		5459.92	48.06	-5.94	54	32.19	34.53	10.97	29.63	100	324	A	H
		5578	111.77	-	-	95.81	34.58	11.14	29.76	100	324	P	H
		5578	105.28	-	-	89.32	34.58	11.14	29.76	100	324	A	H
		5735	58.21	-10.09	68.3	41.76	34.89	11.34	29.78	100	324	P	H
		5427.12	56.98	-17.02	74	41.16	34.51	10.91	29.6	383	360	P	V
		5460.4	57.01	-11.29	68.3	41.14	34.53	10.97	29.63	383	360	P	V
		5448.56	47.66	-6.34	54	31.76	34.53	10.97	29.6	383	360	A	V
		5578	108.88	-	-	92.92	34.58	11.14	29.76	383	360	P	V
		5578	100.95	-	-	84.99	34.58	11.14	29.76	383	360	A	V
		5760.28	57.96	-10.34	68.3	41.45	34.93	11.35	29.77	383	360	P	V

802.11ax HE20 Full CH 140 5700MHz		5726.52	66.91	-1.39	68.3	50.53	34.85	11.32	29.79	100	134	P	H
	*	5698	111.81	-	-	95.55	34.78	11.28	29.8	100	134	P	H
		5698	104.26	-	-	88	34.78	11.28	29.8	100	134	A	H
		5726.6	62.43	-5.87	68.3	46.05	34.85	11.32	29.79	264	347	P	V
	*	5704	110.04	-	-	93.72	34.82	11.3	29.8	264	347	P	V
		5704	100.77	-	-	84.45	34.82	11.3	29.8	264	347	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 100 5500MHz		11004	46.27	-27.73	74	58	38.1	15.9	65.73	300	360	P	H
		11004	45.17	-28.83	74	56.9	38.1	15.9	65.73	100	360	P	V
802.11ax HE20 Full CH 116 5580MHz		11160	44.12	-29.88	74	55.58	38.2	15.98	65.64	100	360	P	H
		11158	45.91	-28.09	74	57.37	38.2	15.98	65.64	300	360	P	V
802.11ax HE20 Full CH 140 5700MHz		11400	44.54	-29.46	74	55.6	38.34	16.1	65.5	300	360	P	V
		11400	43.93	-30.07	74	54.99	38.34	16.1	65.5	100	360	P	H
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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 106/53 CH 100 5500MHz		5432.24	58.54	-15.46	74	42.68	34.52	10.94	29.6	100	315	P	H
		5469.04	58.67	-9.63	68.3	42.78	34.53	10.99	29.63	100	315	P	H
		5459.76	49.18	-4.82	54	33.31	34.53	10.97	29.63	100	315	A	H
		5494	113.05	-	-	97.14	34.54	11.02	29.65	100	315	P	H
		5494	104.6	-	-	88.69	34.54	11.02	29.65	100	315	A	H
		5362.96	57.51	-16.49	74	41.68	34.5	10.85	29.52	332	335	P	V
		5468.72	56.99	-11.31	68.3	41.1	34.53	10.99	29.63	332	335	P	V
		5459.92	47.38	-6.62	54	31.51	34.53	10.97	29.63	332	335	A	V
		5494	109.15	-	-	93.24	34.54	11.02	29.65	332	335	P	V
		5494	100.63	-	-	84.72	34.54	11.02	29.65	332	335	A	V
802.11ax HE20 Partial 106/54 CH 140 5700MHz		5727.4	60.9	-7.4	68.3	44.52	34.85	11.32	29.79	105	317	P	H
		5704	112.89	-	-	96.57	34.82	11.3	29.8	105	317	P	H
		5704	103.42	-	-	87.1	34.82	11.3	29.8	105	317	A	H
		5754.52	58.65	-9.65	68.3	42.15	34.93	11.35	29.78	100	117	P	V
		5704	109.73	-	-	93.41	34.82	11.3	29.8	100	117	P	V
		5704	99.88	-	-	83.56	34.82	11.3	29.8	100	117	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 102 5510MHz		5459.12	64.62	-9.38	74	48.75	34.53	10.97	29.63	100	127	P	H
		5468.88	65.91	-2.39	68.3	50.02	34.53	10.99	29.63	100	127	P	H
		5458.96	50.76	-3.24	54	34.89	34.53	10.97	29.63	100	127	A	H
	*	5506	106.11	-	-	90.2	34.55	11.04	29.68	100	127	P	H
		5506	97.38	-	-	81.47	34.55	11.04	29.68	100	127	A	H
		5737.16	59.45	-8.85	68.3	43	34.89	11.34	29.78	100	127	P	H
		5456.72	58.51	-15.49	74	42.64	34.53	10.97	29.63	347	172	P	V
		5469.2	61.91	-6.39	68.3	46.02	34.53	10.99	29.63	347	172	P	V
		5459.6	48.22	-5.78	54	32.35	34.53	10.97	29.63	347	172	A	V
	*	5506	103.64	-	-	87.73	34.55	11.04	29.68	347	172	P	V
		5506	94.22	-	-	78.31	34.55	11.04	29.68	347	172	A	V
		5729.88	58.61	-9.69	68.3	42.23	34.85	11.32	29.79	347	172	P	V
802.11ax HE40 Full CH 110 5550MHz		5444.56	59.7	-14.3	74	43.05	35.31	10.94	29.6	100	131	P	H
		5460.88	59.54	-8.76	68.3	42.88	35.32	10.97	29.63	100	131	P	H
		5449.84	50.31	-3.69	54	33.66	35.31	10.97	29.63	100	131	A	H
		5554	110.69	-	-	93.89	35.42	11.11	29.73	100	131	P	H
		5554	100.77	-	-	83.97	35.42	11.11	29.73	100	131	A	H
		5751.48	60.32	-7.98	68.3	43.11	35.65	11.34	29.78	100	131	P	H
		5432.24	57.61	-16.39	74	40.98	35.29	10.94	29.6	301	174	P	V
		5469.68	57.28	-11.02	68.3	40.58	35.34	10.99	29.63	301	174	P	V
		5358.64	48.32	-5.68	54	31.79	35.22	10.83	29.52	301	174	A	V
		5536	103.52	-	-	86.73	35.4	11.09	29.7	301	174	P	V
		5536	95.53	-	-	78.74	35.4	11.09	29.7	301	174	A	V
		5751.88	57.42	-10.88	68.3	40.2	35.65	11.35	29.78	301	174	P	V

802.11ax HE40 Full CH 134 5670MHz		5450.48	58.7	-15.3	74	42.83	34.53	10.97	29.63	100	132	P	H
		5466.64	58.01	-10.29	68.3	42.12	34.53	10.99	29.63	100	132	P	H
		5459.76	48.7	-5.3	54	32.83	34.53	10.97	29.63	100	132	A	H
	*	5686	110.54	-	-	94.28	34.78	11.28	29.8	100	132	P	H
		5686	100.82	-	-	84.56	34.78	11.28	29.8	100	132	A	H
		5725.32	66.86	-1.44	68.3	50.48	34.85	11.32	29.79	100	132	P	H
		5449.2	56.95	-17.05	74	41.05	34.53	10.97	29.6	361	166	P	V
		5461.36	57.3	-11	68.3	41.43	34.53	10.97	29.63	361	166	P	V
		5458.96	47.51	-6.49	54	31.64	34.53	10.97	29.63	361	166	A	V
	*	5680	105.02	-	-	88.81	34.75	11.26	29.8	361	166	P	V
		5680	95.49	-	-	79.28	34.75	11.26	29.8	361	166	A	V
		5728.84	58.69	-9.61	68.3	42.31	34.85	11.32	29.79	361	166	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 102 5510MHz		11015	44.54	-29.46	74	56.24	38.11	15.91	65.72	300	0	P	H
		11015	45.22	-28.78	74	56.92	38.11	15.91	65.72	100	360	P	V
802.11ax HE40 Full CH 110 5550MHz		11100	44.78	-29.22	74	55.94	38.56	15.95	65.67	100	360	P	H
		11100	45.97	-28.03	74	57.13	38.56	15.95	65.67	100	0	P	V
802.11ax HE40 Full CH 134 5670MHz		11345	44.67	-29.33	74	55.81	38.31	16.08	65.53	300	360	P	V
		11345	44.74	-29.26	74	55.88	38.31	16.08	65.53	100	0	P	H
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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 106 5530MHz		5458.32	63.22	-10.78	74	47.35	34.53	10.97	29.63	100	130	P	H
		5466.16	64.45	-3.85	68.3	48.56	34.53	10.99	29.63	100	130	P	H
		5458	52.53	-1.47	54	36.66	34.53	10.97	29.63	100	130	A	H
	*	5560	103.91	-	-	87.96	34.57	11.11	29.73	100	130	P	H
		5560	94.39	-	-	78.44	34.57	11.11	29.73	100	130	A	H
		5745.4	63.13	-5.17	68.3	46.68	34.89	11.34	29.78	100	130	P	H
		5438.16	60.5	-13.5	74	44.64	34.52	10.94	29.6	100	290	P	V
		5467.76	63.09	-5.21	68.3	47.2	34.53	10.99	29.63	100	290	P	V
		5460	50.91	-3.09	54	35.04	34.53	10.97	29.63	100	290	A	V
	*	5506	99.59	-	-	83.68	34.55	11.04	29.68	100	290	P	V
		5506	90.33	-	-	74.42	34.55	11.04	29.68	100	290	A	V
		5748.84	58.54	-9.76	68.3	42.09	34.89	11.34	29.78	100	290	P	V
802.11ax HE80 Full CH 122 5610MHz		5416.08	62.26	-11.74	74	46.41	34.51	10.91	29.57	100	130	P	H
		5469.52	62.46	-5.84	68.3	46.57	34.53	10.99	29.63	100	130	P	H
		5458.64	52.62	-1.38	54	36.75	34.53	10.97	29.63	100	130	A	H
	*	5608	106.62	-	-	90.61	34.6	11.19	29.78	100	130	P	H
		5608	98.02	-	-	82.01	34.6	11.19	29.78	100	130	A	H
		5729.48	66.39	-1.91	68.3	50.01	34.85	11.32	29.79	100	130	P	H
		5459.92	59.6	-14.4	74	43.73	34.53	10.97	29.63	387	165	P	V
		5465.52	59.14	-9.16	68.3	43.25	34.53	10.99	29.63	387	165	P	V
		5458.16	49.99	-4.01	54	34.12	34.53	10.97	29.63	387	165	A	V
	*	5602	102.38	-	-	86.35	34.6	11.19	29.76	387	165	P	V
		5602	94.07	-	-	78.04	34.6	11.19	29.76	387	165	A	V
		5728.6	61.59	-6.71	68.3	45.21	34.85	11.32	29.79	387	165	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 106 5530MHz		11059	45.1	-28.9	74	56.72	38.14	15.93	65.69	100	0	P	H
		11059	44.69	-29.31	74	56.31	38.14	15.93	65.69	300	0	P	V
802.11ax HE80 Full CH 122 5610MHz		11224	44.95	-29.05	74	56.32	38.23	16.01	65.61	100	360	P	H
		11224	45.23	-28.77	74	56.6	38.23	16.01	65.61	300	360	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 100 5500MHz		5358.32	56.91	-17.09	74	41.1	34.5	10.83	29.52	100	113	P	H
		5467.6	56.69	-11.61	68.3	40.8	34.53	10.99	29.63	100	113	P	H
		5458.16	50.42	-3.58	54	34.55	34.53	10.97	29.63	100	113	A	H
	*	5494	104.81	-	-	88.9	34.54	11.02	29.65	100	113	P	H
		5494	91.02	-	-	75.11	34.54	11.02	29.65	100	113	A	H
		5411.44	57.11	-16.89	74	41.29	34.5	10.89	29.57	390	351	P	V
		5467.6	57.72	-10.58	68.3	41.83	34.53	10.99	29.63	390	351	P	V
		5457.68	51.45	-2.55	54	35.58	34.53	10.97	29.63	390	351	A	V
	*	5506	107.67	-	-	91.76	34.55	11.04	29.68	390	351	P	V
		5506	90.97	-	-	75.06	34.55	11.04	29.68	390	351	A	V
802.11ax HE20 Full CH 116 5580MHz		5360.56	56.77	-17.23	74	40.94	34.5	10.85	29.52	100	298	P	H
		5469.04	55.81	-12.49	68.3	39.92	34.53	10.99	29.63	100	298	P	H
		5457.84	51.56	-2.44	54	35.69	34.53	10.97	29.63	100	298	A	H
	*	5572	105.85	-	-	89.86	34.58	11.14	29.73	100	298	P	H
		5572	89.01	-	-	73.02	34.58	11.14	29.73	100	298	A	H
		5740.76	58.35	-9.95	68.3	41.9	34.89	11.34	29.78	100	298	P	H
		5445.36	57.76	-16.24	74	41.9	34.52	10.94	29.6	301	319	P	V
		5464.56	55.56	-12.74	68.3	39.67	34.53	10.99	29.63	301	319	P	V
		5449.36	50.41	-3.59	54	34.51	34.53	10.97	29.6	301	319	A	V
	*	5578	105.65	-	-	89.69	34.58	11.14	29.76	301	319	P	V
		5578	91.35	-	-	75.39	34.58	11.14	29.76	301	319	A	V
		5728.04	57.85	-10.45	68.3	41.47	34.85	11.32	29.79	301	319	P	V

802.11ax HE20 Full CH 140 5700MHz		5727.72	64.24	-4.06	68.3	47.09	35.62	11.32	29.79	100	127	P	H
	*	5704	114.86	-	-	97.78	35.58	11.3	29.8	100	127	P	H
		5704	86.39	-	-	69.31	35.58	11.3	29.8	100	127	A	H
		5733.88	60.47	-7.83	68.3	43.31	35.62	11.32	29.78	100	316	P	V
	*	5704	108.39	-	-	91.31	35.58	11.3	29.8	100	316	P	V
		5704	90.22	-	-	73.14	35.58	11.3	29.8	100	316	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
TxBF 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 100 5500MHz		11000	45.3	-28.7	74	57.03	38.1	15.9	65.73	100	360	P	H
		11000	47.11	-26.89	74	58.84	38.1	15.9	65.73	100	0	P	V
802.11ax HE20 Full CH 116 5580MHz		11160	44.83	-29.17	74	56.29	38.2	15.98	65.64	100	0	P	H
		11160	46.38	-27.62	74	57.84	38.2	15.98	65.64	100	360	P	V
802.11ax HE20 Full CH 140 5700MHz		11400	44.66	-29.34	74	55.72	38.34	16.1	65.5	100	360	P	H
		11400	45.1	-28.9	74	56.16	38.34	16.1	65.5	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 HE40 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.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 102 5510MHz		5434.16	59.25	-14.75	74	42.6	35.31	10.94	29.6	100	139	P	H
		5469.2	59.84	-8.46	68.3	43.14	35.34	10.99	29.63	100	139	P	H
		5459.92	46.49	-7.51	54	29.83	35.32	10.97	29.63	100	139	A	H
	*	5506	106.36	-	-	89.63	35.37	11.04	29.68	100	139	P	H
		5506	87.18	-	-	70.45	35.37	11.04	29.68	100	139	A	H
		5749.24	59.21	-9.09	68.3	42	35.65	11.34	29.78	100	139	P	H
		5451.92	57.45	-16.55	74	40.79	35.32	10.97	29.63	100	301	P	V
		5461.2	58.78	-9.52	68.3	42.12	35.32	10.97	29.63	100	301	P	V
		5455.92	46.28	-7.72	54	29.62	35.32	10.97	29.63	100	301	A	V
	*	5506	100.01	-	-	83.28	35.37	11.04	29.68	100	301	P	V
		5506	82	-	-	65.27	35.37	11.04	29.68	100	301	A	V
		5726.52	59.6	-8.7	68.3	42.45	35.62	11.32	29.79	100	301	P	V
802.11ax HE40 Full CH 110 5550MHz		5380.72	60.84	-13.16	74	45.02	34.5	10.87	29.55	100	179	P	H
		5469.36	62.02	-6.28	68.3	46.13	34.53	10.99	29.63	100	179	P	H
		5458.8	51.44	-2.56	54	35.57	34.53	10.97	29.63	100	179	A	H
	*	5530	109.6	-	-	93.68	34.56	11.06	29.7	100	179	P	H
		5530	91.7	-	-	75.78	34.56	11.06	29.7	100	179	A	H
		5752.92	59.54	-8.76	68.3	43.04	34.93	11.35	29.78	100	179	P	H
		5457.68	57.24	-16.76	74	41.37	34.53	10.97	29.63	100	334	P	V
		5462	57.73	-10.57	68.3	41.86	34.53	10.97	29.63	100	334	P	V
		5458.32	50.6	-3.4	54	34.73	34.53	10.97	29.63	100	334	A	V
	*	5554	105.19	-	-	89.24	34.57	11.11	29.73	100	334	P	V
		5554	87.61	-	-	71.66	34.57	11.11	29.73	100	334	A	V
		5747.32	58.24	-10.06	68.3	41.79	34.89	11.34	29.78	100	334	P	V

802.11ax HE40 Full CH 134 5670MHz		5435.28	57.32	-16.68	74	41.46	34.52	10.94	29.6	315	129	P	H
		5466.64	57.19	-11.11	68.3	41.3	34.53	10.99	29.63	315	129	P	H
		5456.88	50.44	-3.56	54	34.57	34.53	10.97	29.63	315	129	A	H
	*	5668	109.39	-	-	93.18	34.75	11.26	29.8	315	129	P	H
		5668	92.42	-	-	76.21	34.75	11.26	29.8	315	129	A	H
		5726.92	63.44	-4.86	68.3	47.06	34.85	11.32	29.79	315	129	P	H
		5352.72	56.84	-17.16	74	41.03	34.5	10.83	29.52	324	0	P	V
		5469.52	57.1	-11.2	68.3	41.21	34.53	10.99	29.63	324	0	P	V
		5455.92	50.49	-3.51	54	34.62	34.53	10.97	29.63	324	0	A	V
	*	5674	102.19	-	-	85.98	34.75	11.26	29.8	324	0	P	V
		5674	85.56	-	-	69.35	34.75	11.26	29.8	324	0	A	V
		5739	58.97	-9.33	68.3	42.52	34.89	11.34	29.78	324	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 Full (Harmonic @ 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.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 102 5510MHz		11020	45.36	-28.64	74	57.06	38.11	15.91	65.72	100	0	P	H
		11020	44.85	-29.15	74	56.55	38.11	15.91	65.72	100	360	P	V
802.11ax HE40 Full CH 110 5550MHz		11100	45.21	-28.79	74	56.77	38.16	15.95	65.67	100	360	P	H
		11100	45.88	-28.12	74	57.44	38.16	15.95	65.67	100	0	P	V
802.11ax HE40 Full CH 134 5670MHz		11340	45.7	-28.3	74	56.87	38.3	16.07	65.54	100	0	P	H
		11340	46.03	-27.97	74	57.2	38.3	16.07	65.54	100	360	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 106 5530MHz		5453.04	61.8	-12.2	74	45.93	34.53	10.97	29.63	100	307	P	H
		5470	57.31	-10.99	68.3	41.42	34.53	10.99	29.63	100	307	P	H
		5386.8	48.41	-5.59	54	32.59	34.5	10.87	29.55	100	307	A	H
	*	5554	94.77	-	-	78.82	34.57	11.11	29.73	100	307	P	H
		5554	75.22	-	-	59.27	34.57	11.11	29.73	100	307	A	H
		5762.68	58.87	-9.43	68.3	42.36	34.93	11.35	29.77	100	307	P	H
		5454.48	59.33	-14.67	74	43.46	34.53	10.97	29.63	300	360	P	V
		5464.56	57.57	-10.73	68.3	41.68	34.53	10.99	29.63	300	360	P	V
		5359.76	49.32	-4.68	54	33.51	34.5	10.83	29.52	100	360	A	V
	*	5530	97.05	-	-	81.13	34.56	11.06	29.7	300	360	P	V
		5530	78.07	-	-	62.15	34.56	11.06	29.7	300	360	A	V
		5762.76	58.73	-9.57	68.3	42.22	34.93	11.35	29.77	300	360	P	V
802.11ax HE80 Full CH 122 5610MHz		5427.44	60.15	-13.85	74	44.33	34.51	10.91	29.6	120	129	P	H
		5463.76	57.66	-10.64	68.3	41.77	34.53	10.99	29.63	120	129	P	H
		5442.8	52.79	-1.21	54	36.93	34.52	10.94	29.6	120	129	A	H
	*	5626	105.17	-	-	89.1	34.64	11.21	29.78	120	129	P	H
		5626	86.17	-	-	70.1	34.64	11.21	29.78	120	129	A	H
		5762.84	62.42	-5.88	68.3	45.91	34.93	11.35	29.77	120	129	P	H
		5403.92	59.19	-14.81	74	43.37	34.5	10.89	29.57	300	183	P	V
		5465.04	59.04	-9.26	68.3	43.15	34.53	10.99	29.63	300	183	P	V
		5457.52	52.91	-1.09	54	37.04	34.53	10.97	29.63	300	183	A	V
	*	5596	98.29	-	-	82.3	34.59	11.16	29.76	300	183	P	V
		5596	80.86	-	-	64.87	34.59	11.16	29.76	300	183	A	V
		5741.24	58.99	-9.31	68.3	42.54	34.89	11.34	29.78	300	183	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 106 5530MHz		11060	45.48	-28.52	74	57.1	38.14	15.93	65.69	100	0	P	H
		11060	45.7	-28.3	74	57.32	38.14	15.93	65.69	100	360	P	V
802.11ax HE80 Full CH 122 5610MHz		11220	44.48	-29.52	74	55.85	38.23	16.01	65.61	100	360	P	H
		11220	44.82	-29.18	74	56.19	38.23	16.01	65.61	100	0	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 Ant. CDD 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	*	5722	107.35	-	-	90.97	34.85	11.32	29.79	100	0	P	V
		5722	99.55	-	-	83.17	34.85	11.32	29.79	100	0	A	V
	*	5722	113.04	-	-	96.66	34.85	11.32	29.79	300	0	P	H
		5722	105.72	-	-	89.34	34.85	11.32	29.79	300	0	A	H
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. CDD 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		11444	46.73	-27.27	74	46.73	0	0	0	300	359	P	H
		11444	45.6	-28.4	74	45.6	0	0	0	300	360	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. CDD 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	*	5722	113.68	-	-	97.3	34.85	11.32	29.79	100	130	P	H
		5722	106.73	-	-	90.35	34.85	11.32	29.79	100	130	A	H
	*	5722	109.51	-	-	93.13	34.85	11.32	29.79	100	315	P	V
		5722	104.53	-	-	88.15	34.85	11.32	29.79	100	315	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. CDD 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		11444	44.37	-29.63	74	55.37	38.36	16.12	65.48	100	0	P	H
		11444	45.03	-28.97	74	56.03	38.36	16.12	65.48	100	360	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. CDD 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	*	5710	112.08	-	-	95.75	34.82	11.3	29.79	100	0	P	H
		5710	103.6	-	-	87.27	34.82	11.3	29.79	100	0	A	H
	*	5704	107.53	-	-	91.21	34.82	11.3	29.8	300	0	P	V
		5704	99.93	-	-	83.61	34.82	11.3	29.8	300	0	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. CDD 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		11422	45.26	-28.74	74	56.29	38.35	16.11	65.49	300	0	P	H
		11422	43.76	-30.24	74	54.79	38.35	16.11	65.49	300	360	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. CDD 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 138 5690MHz		5704	110.1	-	-	93.78	34.82	11.3	29.8	100	0	P	H
		5704	103.33	-	-	87.01	34.82	11.3	29.8	100	0	P	H
		5686	103.39	-	-	87.13	34.78	11.28	29.8	100	0	P	V
		5686	96.44	-	-	80.18	34.78	11.28	29.8	100	0	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 (Harmonic @ 3m)

WIFI Ant. CDD 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 138 5690MHz		11380	45.32	-28.68	74	56.41	38.33	16.09	65.51	300	360	P	H
		11380	44.64	-29.36	74	55.73	38.33	16.09	65.51	100	0	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. TxBF 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	*	5722	111.81	-	-	95.43	34.85	11.32	29.79	300	21	P	H
	*	5722	92.54	-	-	76.16	34.85	11.32	29.79	300	21	A	H
	*	5728	108.28	-	-	91.9	34.85	11.32	29.79	100	115	P	V
	*	5728	87.25	-	-	70.87	34.85	11.32	29.79	100	115	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. TxBF 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	46.38	-27.62	74	57.38	38.36	16.12	65.48	299	360	P	H
		11440	45.81	-28.19	74	56.81	38.36	16.12	65.48	100	0	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. TxBF 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	*	5704	110.14	-	-	93.06	35.58	11.3	29.8	300	0	P	H
		5704	95.14	-	-	78.06	35.58	11.3	29.8	300	0	A	H
	*	5710	104.37	-	-	87.26	35.6	11.3	29.79	100	360	P	V
		5710	89.47	-	-	72.36	35.6	11.3	29.79	100	360	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. TxBF 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	46.46	-27.54	74	57.49	38.35	16.11	65.49	100	0	P	H
		11420	45.31	-28.69	74	56.34	38.35	16.11	65.49	100	360	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. TxBF 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 138 5690MHz	*	5662	106.23	-	-	89.26	35.53	11.24	29.8	300	360	P	H
		5662	88.23	-	-	71.26	35.53	11.24	29.8	300	360	A	H
	*	5716	103.95	-	-	86.84	35.6	11.3	29.79	100	360	P	V
		5716	87.95	-	-	70.84	35.6	11.3	29.79	100	360	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. TxBF 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 138 5690MHz		11380	46.16	-27.84	74	57.25	38.33	16.09	65.51	100	0	P	H
		11380	46.2	-27.8	74	57.29	38.33	16.09	65.51	100	360	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 HE40 Full (LF @ 3m)

WIFI Ant. CDD 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 LF		30.97	26.17	-13.83	40	33.28	24.98	0.71	32.8	-	-	P	H
		171.62	21.73	-21.77	43.5	35.69	16.98	1.99	32.93	-	-	P	H
		240.49	26.11	-19.89	46	38.04	18.8	2.37	33.1	-	-	P	H
		350.1	27.73	-18.27	46	36.38	21.4	2.85	32.9	-	-	P	H
		436.43	26.24	-19.76	46	32.42	23.36	3.19	32.73	-	-	P	H
		546.04	23.31	-22.69	46	26.57	25.79	3.57	32.62	-	-	P	H
		30.97	33.15	-6.85	40	40.26	24.98	0.71	32.8	-	-	P	V
		48.43	32.33	-7.67	40	48.48	15.77	1.05	32.97	-	-	P	V
		68.8	26.49	-13.51	40	45.04	13.22	1.25	33.02	-	-	P	V
		334.58	27.78	-18.22	46	36.86	21.03	2.79	32.9	-	-	P	V
		465.53	27.96	-18.04	46	33.51	23.88	3.3	32.73	-	-	P	V
		760.41	34.37	-11.63	46	36.23	26.58	4.22	32.66	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

UNII-3 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. CDD 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		5648.8	60.6	-7.7	68.3	44.51	34.67	11.23	29.81	100	128	P	H
		5697.6	67.41	-36.12	103.53	51.15	34.78	11.28	29.8	100	128	P	H
		5718.8	79.85	-30.71	110.56	63.47	34.85	11.32	29.79	100	128	P	H
		5724.8	87	-34.84	121.84	70.62	34.85	11.32	29.79	100	128	P	H
		5746	117.9	-	-	101.45	34.89	11.34	29.78	100	128	P	H
		5746	111.57	-	-	95.12	34.89	11.34	29.78	100	128	A	H
		5640	57	-11.3	68.3	40.91	34.67	11.23	29.81	100	317	P	V
		5698.4	60.2	-43.92	104.12	43.94	34.78	11.28	29.8	100	317	P	V
		5720	73.56	-37.34	110.9	57.18	34.85	11.32	29.79	100	317	P	V
		5724.8	83.95	-37.89	121.84	67.57	34.85	11.32	29.79	100	317	P	V
		5752	112.4	-	-	95.9	34.93	11.35	29.78	100	317	P	V
		5752	105.92	-	-	89.42	34.93	11.35	29.78	100	317	A	V

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 157 5785MHz		5641.6	56.68	-11.62	68.3	39.76	35.5	11.23	29.81	100	130	P	H
		5690.4	58.93	-39.29	98.22	41.87	35.58	11.28	29.8	100	130	P	H
		5713.6	59.49	-49.62	109.11	42.38	35.6	11.3	29.79	100	130	P	H
		5724	59.44	-60.58	120.02	42.29	35.62	11.32	29.79	100	130	P	H
		5850.4	58.49	-62.9	121.39	41.02	35.8	11.42	29.75	100	130	P	H
		5862.4	59.05	-49.78	108.83	41.6	35.79	11.43	29.77	100	130	P	H
		5880.4	58.87	-42.42	101.29	41.41	35.79	11.44	29.77	100	130	P	H
		5925.02	57.83	-10.47	68.3	40.39	35.78	11.48	29.82	100	130	P	H
		5788	114.68	-	-	97.35	35.7	11.39	29.76	100	130	P	H
		5788	108.39	-	-	91.06	35.7	11.39	29.76	100	130	A	H
		5620.8	55.96	-12.34	68.3	39.05	35.48	11.21	29.78	100	320	P	V
		5680.4	56.33	-34.5	90.83	39.32	35.55	11.26	29.8	100	320	P	V
		5712.4	56.85	-51.92	108.77	39.74	35.6	11.3	29.79	100	320	P	V
		5722.4	56.33	-60.04	116.37	39.2	35.6	11.32	29.79	100	320	P	V
		5851.2	56.07	-63.49	119.56	38.6	35.8	11.42	29.75	100	320	P	V
		5860.4	57.95	-51.44	109.39	40.5	35.79	11.43	29.77	100	320	P	V
		5904	57.02	-26.78	83.8	39.59	35.78	11.45	29.8	100	320	P	V
		5966.4	56.6	-11.7	68.3	39.2	35.76	11.5	29.86	100	320	P	V
		5788	109.92	-	-	92.59	35.7	11.39	29.76	100	320	P	V
		5788	103.26	-	-	85.93	35.7	11.39	29.76	100	320	A	V

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 165 5825MHz		5850.4	77.05	-44.34	121.39	60.3	35.08	11.42	29.75	100	131	P	H
		5855.2	71.98	-38.86	110.84	55.2	35.1	11.43	29.75	100	131	P	H
		5876.8	63.48	-40.48	103.96	46.69	35.12	11.44	29.77	100	131	P	H
		5926.8	59.56	-8.74	68.3	42.7	35.2	11.48	29.82	100	131	P	H
		5824	117.3	-	-	100.6	35.05	11.41	29.76	100	131	P	H
		5824	110.28	-	-	93.58	35.05	11.41	29.76	100	131	A	H
		5850	73.53	-48.77	122.3	56.78	35.08	11.42	29.75	100	317	P	V
		5856	69.72	-40.9	110.62	52.94	35.1	11.43	29.75	100	317	P	V
		5876.8	61.65	-42.31	103.96	44.86	35.12	11.44	29.77	100	317	P	V
		6000	58.99	-9.31	68.3	42.06	35.3	11.52	29.89	100	317	P	V
		5824	113.32	-	-	96.62	35.05	11.41	29.76	100	317	P	V
		5824	106.1	-	-	89.4	35.05	11.41	29.76	100	317	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11a (Harmonic @ 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.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		11488	46.1	-27.9	74	57.01	38.39	16.15	65.45	300	0	P	H
		11488	45.37	-28.63	74	56.28	38.39	16.15	65.45	100	0	P	V
802.11a CH 157 5785MHz		11570	44.36	-29.64	74	54.87	38.71	16.19	65.41	300	360	P	H
		11570	44.5	-29.5	74	55.01	38.71	16.19	65.41	100	360	P	V
802.11a CH 165 5825MHz		11653	44.3	-29.7	74	54.93	38.5	16.23	65.36	100	0	P	H
		11653	44.73	-29.27	74	55.36	38.5	16.23	65.36	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

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.
CDD 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 149 5745MHz		5611.6	62.39	-5.91	68.3	46.38	34.6	11.19	29.78	100	130	P	H
		5696.4	66.57	-36.08	102.65	50.31	34.78	11.28	29.8	100	130	P	H
		5720	82.44	-28.46	110.9	66.06	34.85	11.32	29.79	100	130	P	H
		5723.6	87.42	-31.69	119.11	71.04	34.85	11.32	29.79	100	130	P	H
		5746	116.84	-	-	100.39	34.89	11.34	29.78	100	130	P	H
		5746	109.78	-	-	93.33	34.89	11.34	29.78	100	130	A	H
		5634	58.68	-9.62	68.3	42.59	34.67	11.23	29.81	270	347	P	V
		5698.4	60.28	-43.84	104.12	44.02	34.78	11.28	29.8	270	347	P	V
		5718.4	73.49	-36.96	110.45	57.11	34.85	11.32	29.79	270	347	P	V
		5723.2	82.08	-36.12	118.2	65.7	34.85	11.32	29.79	270	347	P	V
		5746	111.2	-	-	94.75	34.89	11.34	29.78	270	347	P	V
		5746	104.25	-	-	87.8	34.89	11.34	29.78	270	347	A	V

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 157 5785MHz		5638.4	58.18	-10.12	68.3	41.26	35.5	11.23	29.81	100	122	P	H
		5680.8	58.6	-32.53	91.13	41.59	35.55	11.26	29.8	100	122	P	H
		5719.6	59.72	-51.07	110.79	42.59	35.6	11.32	29.79	100	122	P	H
		5722.4	59.63	-56.74	116.37	42.5	35.6	11.32	29.79	100	122	P	H
		5850.4	59.28	-62.11	121.39	41.81	35.8	11.42	29.75	100	122	P	H
		5869.2	58.53	-48.39	106.92	41.08	35.79	11.43	29.77	100	122	P	H
		5909.2	58.14	-21.82	79.96	40.71	35.78	11.47	29.82	100	122	P	H
		5943.2	58.35	-9.95	68.3	40.93	35.77	11.49	29.84	100	122	P	H
		5782	115.16	-	-	97.85	35.7	11.37	29.76	100	122	P	H
		5782	107.21	-	-	89.9	35.7	11.37	29.76	100	122	A	H
		5619.2	56.52	-11.78	68.3	39.62	35.47	11.21	29.78	100	316	P	V
		5683.6	57.49	-35.71	93.2	40.46	35.55	11.28	29.8	100	316	P	V
		5714.8	56.92	-52.53	109.45	39.81	35.6	11.3	29.79	100	316	P	V
		5724.4	56.99	-63.94	120.93	39.84	35.62	11.32	29.79	100	316	P	V
		5853.2	57.43	-57.57	115	39.96	35.8	11.42	29.75	100	316	P	V
		5856.4	58.03	-52.48	110.51	40.55	35.8	11.43	29.75	100	316	P	V
		5909.2	56.96	-23	79.96	39.53	35.78	11.47	29.82	100	316	P	V
		5940.4	57.29	-11.01	68.3	39.87	35.77	11.49	29.84	100	316	P	V
		5788	110.34	-	-	93.01	35.7	11.39	29.76	100	316	P	V
		5788	102.82	-	-	85.49	35.7	11.39	29.76	100	316	A	V

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 165 5825MHz		5850.4	79.49	-41.9	121.39	62.74	35.08	11.42	29.75	100	132	P	H
		5856.4	73.38	-37.13	110.51	56.6	35.1	11.43	29.75	100	132	P	H
		5879.2	64.87	-37.31	102.18	48.08	35.12	11.44	29.77	100	132	P	H
		5937.2	60.39	-7.91	68.3	43.55	35.2	11.48	29.84	100	132	P	H
		5818	117.86	-	-	101.19	35.03	11.4	29.76	100	132	P	H
		5818	109.27	-	-	92.6	35.03	11.4	29.76	100	132	A	H
		5852	76.17	-41.57	117.74	59.42	35.08	11.42	29.75	100	315	P	V
		5855.6	70.51	-40.22	110.73	53.73	35.1	11.43	29.75	100	315	P	V
		5875.6	63.21	-41.64	104.85	46.42	35.12	11.44	29.77	100	315	P	V
		5932.4	59.69	-8.61	68.3	42.83	35.2	11.48	29.82	100	315	P	V
		5824	113.08	-	-	96.38	35.05	11.41	29.76	100	315	P	V
		5824	105	-	-	88.3	35.05	11.41	29.76	100	315	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 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.
CDD 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 149 5745MHz		11488	45.38	-28.62	74	56.29	38.39	16.15	65.45	300	360	P	V
		11488	44.41	-29.59	74	55.32	38.39	16.15	65.45	100	360	P	H
802.11ax HE20 Full CH 157 5785MHz		11570	44.39	-29.61	74	54.9	38.71	16.19	65.41	100	0	P	H
		11570	45.44	-28.56	74	55.95	38.71	16.19	65.41	100	360	P	V
802.11ax HE20 Full CH 165 5825MHz		11653	45.29	-28.71	74	55.92	38.5	16.23	65.36	100	0	P	H
		11653	44.34	-29.66	74	54.97	38.5	16.23	65.36	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ax HE20_Partial 106 (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.
CDD 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 106/53 CH 149 5745MHz		5646.8	60.15	-8.15	68.3	44.06	34.67	11.23	29.81	100	305	P	H
		5698	62.4	-41.43	103.83	46.14	34.78	11.28	29.8	100	305	P	H
		5719.2	66.41	-44.27	110.68	50.03	34.85	11.32	29.79	100	305	P	H
		5724.4	70.62	-50.31	120.93	54.24	34.85	11.32	29.79	100	305	P	H
		5740	115.01	-	-	98.56	34.89	11.34	29.78	100	305	P	H
		5740	107.47	-	-	91.02	34.89	11.34	29.78	100	305	A	H
		5617.2	57.24	-11.06	68.3	41.17	34.64	11.21	29.78	100	119	P	V
		5695.2	58.36	-43.4	101.76	42.1	34.78	11.28	29.8	100	119	P	V
		5718.8	63.12	-47.44	110.56	46.74	34.85	11.32	29.79	100	119	P	V
		5724.8	67.07	-54.77	121.84	50.69	34.85	11.32	29.79	100	119	P	V
		5740	110.97	-	-	94.52	34.89	11.34	29.78	100	119	P	V
		5740	101.97	-	-	85.52	34.89	11.34	29.78	100	119	A	V

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 106/54 CH 165 5825MHz		5850.4	65.07	-56.32	121.39	48.32	35.08	11.42	29.75	100	323	P	H
		5855.2	61.3	-49.54	110.84	44.52	35.1	11.43	29.75	100	323	P	H
		5914.8	59.84	-15.98	75.82	43.02	35.17	11.47	29.82	100	323	P	H
		5966	58.57	-9.73	68.3	41.68	35.25	11.5	29.86	100	323	P	H
		5830	115.31	-	-	98.61	35.05	11.41	29.76	100	323	P	H
		5830	106.21	-	-	89.51	35.05	11.41	29.76	100	323	A	H
		5850.4	68.68	-52.71	121.39	51.93	35.08	11.42	29.75	103	140	P	V
		5870.4	59.24	-47.35	106.59	42.48	35.1	11.43	29.77	103	140	P	V
		5890.4	58.64	-35.23	93.87	41.84	35.15	11.45	29.8	103	140	P	V
		5960	58.45	-9.85	68.3	41.56	35.25	11.5	29.86	103	140	P	V
		5830	111.73	-	-	95.03	35.05	11.41	29.76	103	140	P	V
		5830	102.6	-	-	85.9	35.05	11.41	29.76	103	140	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ax HE40_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.
CDD 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 151 5755MHz		5623.6	62.5	-5.8	68.3	46.43	34.64	11.21	29.78	100	128	P	H
		5698.4	69.09	-35.03	104.12	52.83	34.78	11.28	29.8	100	128	P	H
		5718	87.15	-23.19	110.34	70.77	34.85	11.32	29.79	100	128	P	H
		5724.4	86.05	-34.88	120.93	69.67	34.85	11.32	29.79	100	128	P	H
		5740	111.29	-	-	94.84	34.89	11.34	29.78	100	128	P	H
		5740	103.67	-	-	87.22	34.89	11.34	29.78	100	128	A	H
		5851.2	61.09	-58.47	119.56	44.34	35.08	11.42	29.75	100	128	P	H
		5872	61.76	-44.38	106.14	44.97	35.12	11.44	29.77	100	128	P	H
		5903.6	60.67	-23.43	84.1	43.87	35.15	11.45	29.8	100	128	P	H
		5928.8	60.55	-7.75	68.3	43.69	35.2	11.48	29.82	100	128	P	H
		5646.4	59.13	-9.17	68.3	43.04	34.67	11.23	29.81	100	316	P	V
		5691.6	64.32	-34.79	99.11	48.06	34.78	11.28	29.8	100	316	P	V
		5716	80.6	-29.18	109.78	64.27	34.82	11.3	29.79	100	316	P	V
		5724.8	82.31	-39.53	121.84	65.93	34.85	11.32	29.79	100	316	P	V
		5746	107.1	-	-	90.65	34.89	11.34	29.78	100	316	P	V
		5746	99.3	-	-	82.85	34.89	11.34	29.78	100	316	A	V
		5852.8	60.13	-55.79	115.92	43.38	35.08	11.42	29.75	100	316	P	V
		5869.2	59.73	-47.19	106.92	42.97	35.1	11.43	29.77	100	316	P	V
		5886.4	59.64	-37.2	96.84	42.88	35.12	11.44	29.8	100	316	P	V
		5930	58.87	-9.43	68.3	42.01	35.2	11.48	29.82	100	316	P	V

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 159 5795MHz		5616.4	58.72	-9.58	68.3	42.65	34.64	11.21	29.78	105	124	P	H
		5700	60.89	-44.41	105.3	44.63	34.78	11.28	29.8	105	124	P	H
		5713.6	62.92	-46.19	109.11	46.59	34.82	11.3	29.79	105	124	P	H
		5723.6	63.2	-55.91	119.11	46.82	34.85	11.32	29.79	105	124	P	H
		5850.4	68.4	-52.99	121.39	51.65	35.08	11.42	29.75	105	124	P	H
		5858.4	66.72	-43.23	109.95	49.96	35.1	11.43	29.77	105	124	P	H
		5878.4	61.44	-41.33	102.77	44.65	35.12	11.44	29.77	105	124	P	H
		5958.8	58.34	-9.96	68.3	41.43	35.25	11.5	29.84	105	124	P	H
		5800	113.68	-	-	97.05	35	11.39	29.76	105	124	P	H
		5800	103.26	-	-	86.63	35	11.39	29.76	105	124	A	H
		5620.4	57.31	-10.99	68.3	41.24	34.64	11.21	29.78	100	317	P	V
		5660.8	57.83	-18.49	76.32	41.68	34.71	11.24	29.8	100	317	P	V
		5720	59.03	-51.87	110.9	42.65	34.85	11.32	29.79	100	317	P	V
		5724.8	59.4	-62.44	121.84	43.02	34.85	11.32	29.79	100	317	P	V
		5851.2	64.02	-55.54	119.56	47.27	35.08	11.42	29.75	100	317	P	V
		5859.2	64.35	-45.37	109.72	47.59	35.1	11.43	29.77	100	317	P	V
		5875.2	59.89	-45.26	105.15	43.1	35.12	11.44	29.77	100	317	P	V
		5994.8	57.85	-10.45	68.3	40.92	35.3	11.52	29.89	100	317	P	V
		5800	110.09	-	-	93.46	35	11.39	29.76	100	317	P	V
		5800	99.25	-	-	82.62	35	11.39	29.76	100	317	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ax HE40_Full (Harmonic @ 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.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 151 5755MHz		11510	45.12	-28.88	74	56.01	38.41	16.15	65.45	300	360	P	H
		11510	44.78	-29.22	74	55.67	38.41	16.15	65.45	100	360	P	V
802.11ax HE40 Full CH 159 5795MHz		11587	47.25	-26.75	74	57.99	38.46	16.2	65.4	300	360	P	H
		11587	45	-29	74	45	0	0	0	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ax HE80_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.
CDD 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 155 5775MHz		5648	66.39	-1.91	68.3	50.3	34.67	11.23	29.81	100	131	P	H
		5697.2	80.82	-22.42	103.24	64.56	34.78	11.28	29.8	100	131	P	H
		5717.2	84.83	-25.29	110.12	68.5	34.82	11.3	29.79	100	131	P	H
		5722.4	86.34	-30.03	116.37	69.96	34.85	11.32	29.79	100	131	P	H
		5854	81.32	-31.86	113.18	64.54	35.1	11.43	29.75	100	131	P	H
		5863.6	80.97	-27.52	108.49	64.21	35.1	11.43	29.77	100	131	P	H
		5877.6	73.14	-30.23	103.37	56.35	35.12	11.44	29.77	100	131	P	H
		5955.2	63.35	-4.95	68.3	46.48	35.22	11.49	29.84	100	131	P	H
		5752	110.06	-	-	93.56	34.93	11.35	29.78	100	131	P	H
		5752	103.89	-	-	87.39	34.93	11.35	29.78	100	131	A	H
		5628.4	63.62	-4.68	68.3	47.58	34.64	11.21	29.81	100	315	P	V
		5698	79.05	-24.78	103.83	62.79	34.78	11.28	29.8	100	315	P	V
		5718.4	82.38	-28.07	110.45	66	34.85	11.32	29.79	100	315	P	V
		5722	84.36	-31.1	115.46	67.98	34.85	11.32	29.79	100	315	P	V
		5850.8	82.9	-37.58	120.48	66.15	35.08	11.42	29.75	100	315	P	V
		5860	79.22	-30.28	109.5	62.46	35.1	11.43	29.77	100	315	P	V
		5880	75.58	-26.01	101.59	58.79	35.12	11.44	29.77	100	315	P	V
		5930	64.74	-3.56	68.3	47.88	35.2	11.48	29.82	100	315	P	V
		5770	107.91	-	-	91.35	34.96	11.37	29.77	100	315	P	V
		5770	97.89	-	-	81.33	34.96	11.37	29.77	100	315	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ax HE80_Full (Harmonic @ 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.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 155 5775MHz		11550	45.79	-28.21	74	56.59	38.44	16.18	65.42	300	0	P	H
		11550	45.37	-28.63	74	56.17	38.44	16.18	65.42	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

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.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 149 5745MHz		5603.6	57.7	-10.6	68.3	41.69	34.6	11.19	29.78	100	316	P	H
		5692.8	59.69	-40.3	99.99	43.43	34.78	11.28	29.8	100	316	P	H
		5716	59.5	-50.28	109.78	43.17	34.82	11.3	29.79	100	316	P	H
		5724.8	61.22	-60.62	121.84	44.84	34.85	11.32	29.79	100	316	P	H
		5746	112.01	-	-	95.56	34.89	11.34	29.78	100	316	P	H
		5746	97.27	-	-	80.82	34.89	11.34	29.78	100	316	A	H
		5628.4	57.66	-10.64	68.3	41.62	34.64	11.21	29.81	119	128	P	V
		5681.6	57.7	-34.02	91.72	41.49	34.75	11.26	29.8	119	128	P	V
		5718.4	57.36	-53.09	110.45	40.98	34.85	11.32	29.79	119	128	P	V
		5723.2	60.01	-58.19	118.2	43.63	34.85	11.32	29.79	119	128	P	V
		5746	106.53	-	-	90.08	34.89	11.34	29.78	119	128	P	V
		5746	94.52	-	-	78.07	34.89	11.34	29.78	119	128	A	V

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 157 5785MHz		5602	57.26	-11.04	68.3	41.23	34.6	11.19	29.76	100	319	P	H
		5658.4	57.57	-16.97	74.54	41.42	34.71	11.24	29.8	100	319	P	H
		5718	58.12	-52.22	110.34	41.74	34.85	11.32	29.79	100	319	P	H
		5724	56.64	-63.38	120.02	40.26	34.85	11.32	29.79	100	319	P	H
		5782	110.22	-	-	93.65	34.96	11.37	29.76	100	319	P	H
		5782	98.7	-	-	82.13	34.96	11.37	29.76	100	319	A	H
		5852	57.16	-60.58	117.74	40.41	35.08	11.42	29.75	100	319	P	H
		5867.2	58.63	-48.85	107.48	41.87	35.1	11.43	29.77	100	319	P	H
		5900	57.45	-29.31	86.76	40.65	35.15	11.45	29.8	100	319	P	H
		5931.6	57.84	-10.46	68.3	40.98	35.2	11.48	29.82	100	319	P	H
		5634.8	57.33	-10.97	68.3	41.24	34.67	11.23	29.81	227	325	P	V
		5652.4	57.08	-13	70.08	40.94	34.71	11.24	29.81	227	325	P	V
		5702.8	56.63	-49.46	106.09	40.31	34.82	11.3	29.8	227	325	P	V
		5724	57.11	-62.91	120.02	40.73	34.85	11.32	29.79	227	325	P	V
		5782	106.76	-	-	90.19	34.96	11.37	29.76	227	325	P	V
		5782	94.51	-	-	77.94	34.96	11.37	29.76	227	325	A	V
		5854.8	57.61	-53.75	111.36	40.83	35.1	11.43	29.75	227	325	P	V
		5855.1	57.61	-53.26	110.87	40.83	35.1	11.43	29.75	227	325	P	V
		5897.2	57.96	-30.87	88.83	41.16	35.15	11.45	29.8	227	325	P	V
		5992.4	58.25	-10.05	68.3	41.32	35.3	11.52	29.89	227	325	P	V

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
TxBF 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 165 5825MHz		5850	57.81	-64.49	122.3	41.06	35.08	11.42	29.75	100	297	P	H
		5868.8	58.67	-48.36	107.03	41.91	35.1	11.43	29.77	100	297	P	H
		5896.8	57.69	-31.44	89.13	40.89	35.15	11.45	29.8	100	297	P	H
		5974.8	57.5	-10.8	68.3	40.58	35.27	11.51	29.86	100	297	P	H
		5818	105.88	-	-	89.21	35.03	11.4	29.76	100	297	P	H
		5818	96.6	-	-	79.93	35.03	11.4	29.76	100	297	A	H
		5850.4	56.59	-64.8	121.39	39.84	35.08	11.42	29.75	228	0	P	V
		5868	58.12	-49.14	107.26	41.36	35.1	11.43	29.77	228	0	P	V
		5891.6	58.99	-33.99	92.98	42.19	35.15	11.45	29.8	228	0	P	V
		5964.4	58.38	-9.92	68.3	41.49	35.25	11.5	29.86	228	0	P	V
		5818	103.64	-	-	86.97	35.03	11.4	29.76	228	0	P	V
		5818	91.88	-	-	75.21	35.03	11.4	29.76	228	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 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.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 149 5745MHz		11490	45.55	-28.45	74	56.46	38.39	16.15	65.45	100	0	P	H
		11490	45.83	-28.17	74	56.74	38.39	16.15	65.45	100	360	P	V
802.11ax HE20 Full CH 157 5785MHz		11570	45.74	-28.26	74	56.51	38.45	16.19	65.41	100	360	P	H
		11565	45.18	-28.82	74	55.98	38.44	16.18	65.42	100	0	P	V
802.11ax HE20 Full CH 165 5825MHz		11650	46.55	-27.45	74	57.21	38.49	16.22	65.37	100	0	P	H
		11650	45.26	-28.74	74	55.92	38.49	16.22	65.37	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ax HE40_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.
TxBF 1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 151 5755MHz		5604	57.5	-10.8	68.3	40.62	35.47	11.19	29.78	133	141	P	H
		5700	57.9	-47.4	105.3	40.84	35.58	11.28	29.8	133	141	P	H
		5708.4	58.09	-49.56	107.65	40.98	35.6	11.3	29.79	133	141	P	H
		5721.2	58.35	-55.29	113.64	41.22	35.6	11.32	29.79	133	141	P	H
		5851.6	57.42	-61.23	118.65	39.95	35.8	11.42	29.75	133	141	P	H
		5873.2	57.28	-48.52	105.8	39.82	35.79	11.44	29.77	133	141	P	H
		5917.2	57.77	-16.28	74.05	40.34	35.78	11.47	29.82	133	141	P	H
		5943.2	57.51	-10.79	68.3	40.09	35.77	11.49	29.84	133	141	P	H
		5746	105.2	-	-	87.99	35.65	11.34	29.78	133	141	P	H
		5746	95.63	-	-	78.42	35.65	11.34	29.78	133	141	A	H
		5611.2	57.02	-11.28	68.3	40.14	35.47	11.19	29.78	200	308	P	V
		5674	56.6	-29.5	86.1	39.59	35.55	11.26	29.8	200	308	P	V
		5712	56.11	-52.55	108.66	39	35.6	11.3	29.79	200	308	P	V
		5722.8	55.47	-61.81	117.28	38.32	35.62	11.32	29.79	200	308	P	V
		5851.6	56.58	-62.07	118.65	39.11	35.8	11.42	29.75	200	308	P	V
		5871.6	56.52	-49.73	106.25	39.06	35.79	11.44	29.77	200	308	P	V
		5880	57.54	-44.05	101.59	40.08	35.79	11.44	29.77	200	308	P	V
		5954.4	57.96	-10.34	68.3	40.55	35.76	11.49	29.84	200	308	P	V
		5752	102.61	-	-	85.39	35.65	11.35	29.78	200	308	P	V
		5752	94.05	-	-	76.83	35.65	11.35	29.78	200	308	A	V

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 159 5795MHz		5618.4	56.83	-11.47	68.3	39.93	35.47	11.21	29.78	155	141	P	H
		5654.8	56.4	-15.47	71.87	39.43	35.53	11.24	29.8	155	141	P	H
		5702	55.52	-50.34	105.86	38.44	35.58	11.3	29.8	155	141	P	H
		5720.8	55.99	-56.73	112.72	38.86	35.6	11.32	29.79	155	141	P	H
		5853.6	55.9	-58.19	114.09	38.42	35.8	11.43	29.75	155	141	P	H
		5856.8	56.5	-53.9	110.4	39.02	35.8	11.43	29.75	155	141	P	H
		5880.8	57.33	-43.66	100.99	39.87	35.79	11.44	29.77	155	141	P	H
		5985.2	56.79	-11.51	68.3	39.39	35.75	11.51	29.86	155	141	P	H
		5800	103.64	-	-	86.29	35.72	11.39	29.76	155	141	P	H
		5800	95.67	-	-	78.32	35.72	11.39	29.76	155	141	A	H
		5619.2	56.28	-12.02	68.3	39.38	35.47	11.21	29.78	214	7	P	V
		5694.8	56.5	-44.97	101.47	39.44	35.58	11.28	29.8	214	7	P	V
		5701.2	56.3	-49.34	105.64	39.22	35.58	11.3	29.8	214	7	P	V
		5720.8	55.32	-57.4	112.72	38.19	35.6	11.32	29.79	214	7	P	V
		5851.6	55.36	-63.29	118.65	37.89	35.8	11.42	29.75	214	7	P	V
		5863.6	57.14	-51.35	108.49	39.69	35.79	11.43	29.77	214	7	P	V
		5891.2	56.91	-36.37	93.28	39.47	35.79	11.45	29.8	214	7	P	V
		5975.2	56.5	-11.8	68.3	39.09	35.76	11.51	29.86	214	7	P	V
		5788	102.92	-	-	85.59	35.7	11.39	29.76	214	7	P	V
		5788	94.76	-	-	77.43	35.7	11.39	29.76	214	7	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ax HE40_Full (Harmonic @ 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.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 151 5755MHz		11510	44.16	-29.84	74	55.05	38.41	16.15	65.45	100	360	P	H
		11510	44.41	-29.59	74	55.3	38.41	16.15	65.45	100	0	P	V
802.11ax HE40 Full CH 159 5795MHz		11590	44.3	-29.7	74	55.04	38.46	16.2	65.4	100	0	P	H
		11590	45.37	-28.63	74	56.11	38.46	16.2	65.4	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ax HE80_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.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 155 5775MHz		5626	58.51	-9.79	68.3	41.6	35.48	11.21	29.78	100	116	P	H
		5675.2	57.27	-29.72	86.99	40.26	35.55	11.26	29.8	100	116	P	H
		5718.8	59.15	-51.41	110.56	42.02	35.6	11.32	29.79	100	116	P	H
		5721.6	61.63	-52.92	114.55	44.5	35.6	11.32	29.79	100	116	P	H
		5850.8	55.6	-64.88	120.48	38.13	35.8	11.42	29.75	100	116	P	H
		5867.2	60.52	-46.96	107.48	43.07	35.79	11.43	29.77	100	116	P	H
		5905.6	57.05	-25.57	82.62	39.6	35.78	11.47	29.8	100	116	P	H
		5956	56.73	-11.57	68.3	39.31	35.76	11.5	29.84	100	116	P	H
		5776	102.69	-	-	85.39	35.7	11.37	29.77	100	116	P	H
		5776	93.72	-	-	76.42	35.7	11.37	29.77	100	116	A	H
		5625.6	55.27	-13.03	68.3	38.36	35.48	11.21	29.78	217	3	P	V
		5673.2	55.59	-29.92	85.51	38.58	35.55	11.26	29.8	217	3	P	V
		5717.6	60.11	-50.12	110.23	42.98	35.6	11.32	29.79	217	3	P	V
		5724	58.63	-61.39	120.02	41.48	35.62	11.32	29.79	217	3	P	V
		5852	55.93	-61.81	117.74	38.46	35.8	11.42	29.75	217	3	P	V
		5873.2	56.34	-49.46	105.8	38.88	35.79	11.44	29.77	217	3	P	V
		5903.2	56.54	-27.85	84.39	39.11	35.78	11.45	29.8	217	3	P	V
		5965.6	57.06	-11.24	68.3	39.66	35.76	11.5	29.86	217	3	P	V
		5740	99.79	-	-	82.58	35.65	11.34	29.78	217	3	P	V
		5740	91.47	-	-	74.26	35.65	11.34	29.78	217	3	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ax HE80_Full (Harmonic @ 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.
TxBF 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 155 5775MHz		11554	45.84	-28.16	74	56.64	38.44	16.18	65.42	100	360	P	H
		11550	44.69	-29.31	74	55.49	38.44	16.18	65.42	300	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 Ant. CDD 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 LF		30.97	28.17	-11.83	40	35.28	24.98	0.71	32.8	-	-	P	H
		170.65	23.94	-19.56	43.5	37.86	17.01	1.99	32.92	-	-	P	H
		299.66	26.2	-19.8	46	36.26	20.2	2.64	32.9	-	-	P	H
		434.49	24.21	-21.79	46	30.44	23.32	3.18	32.73	-	-	P	H
		545.07	26.13	-19.87	46	29.43	25.76	3.56	32.62	-	-	P	H
		863.23	28.77	-17.23	46	29.6	27.25	4.49	32.57	-	-	P	H
		30.97	34.15	-5.85	40	41.26	24.98	0.71	32.8	-	-	P	V
		48.43	32.33	-7.67	40	48.48	15.77	1.05	32.97	-	-	P	V
		68.8	28.49	-11.51	40	47.04	13.22	1.25	33.02	-	-	P	V
		268.62	26.52	-19.48	46	37.35	19.7	2.5	33.03	-	-	P	V
		563.5	29.92	-16.08	46	33.08	25.79	3.62	32.57	-	-	P	V
		760.41	34.37	-11.63	46	36.23	26.58	4.22	32.66	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<Co-location mode>

WIFI 802.11ax HE40 Full + BLE(2M) + Part 96 LTE B48 CA_48C

UNII-1 - 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. CDD 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5145.92	56.7	-17.3	74	48.41	34.42	10.6	36.73	100	175	P	H
		5150	46.54	-7.46	54	38.25	34.42	10.6	36.73	100	175	A	H
	*	5188	104.72	-	-	96.32	34.45	10.64	36.69	100	175	P	H
		5188	95.64	-	-	87.24	34.45	10.64	36.69	100	175	A	H
		5350.68	50.43	-23.57	74	41.62	34.58	10.75	36.52	100	175	P	H
		5369.04	41.94	-12.06	54	33.1	34.59	10.76	36.51	100	175	A	H
		5143.52	56.83	-17.17	74	48.54	34.42	10.6	36.73	101	296	P	V
		5149.12	45.38	-8.62	54	37.09	34.42	10.6	36.73	101	296	A	V
	*	5182	101.65	-	-	93.25	34.45	10.64	36.69	101	296	P	V
		5182	93.35	-	-	84.95	34.45	10.64	36.69	101	296	A	V
		5352.3	50.49	-23.51	74	41.68	34.58	10.75	36.52	101	296	P	V
		5351.58	42.33	-11.67	54	33.52	34.58	10.75	36.52	101	296	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 38 5190MHz		10377	44.5	-23.8	68.3	58.63	37.41	15.47	67.01	300	0	P	H
		10377	44.34	-23.96	68.3	58.47	37.41	15.47	67.01	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

BLE(2M) (Band Edge @ 3m)

BLE Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE CH 39 2480MHz		2486.2	48.86	-25.14	74	45.45	32.98	7.25	36.82	132	107	P	H
		2494	40.23	-13.77	54	36.76	33	7.28	36.81	132	107	A	H
	*	2480	94.93	-	-	91.52	32.98	7.25	36.82	132	107	P	H
	*	2480	92.24	-	-	88.83	32.98	7.25	36.82	132	107	A	H
		2490.1	48.47	-25.53	74	45.03	33	7.25	36.81	336	9	P	V
		2491.06	40.17	-13.83	54	36.73	33	7.25	36.81	336	9	A	V
	*	2480	92.68	-	-	89.27	32.98	7.25	36.82	336	9	P	V
	*	2480	90.21	-	-	86.8	32.98	7.25	36.82	336	9	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

BLE(2M) (Harmonic @ 3m)

BLE Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE CH 39 2480MHz		4960	37.41	-36.59	74	58.21	34.28	10.39	65.47	100	360	P	H
		7440	40.28	-33.72	74	57.91	35.89	12.79	66.31	100	360	P	H
		4960	40.64	-33.36	74	61.44	34.28	10.39	65.47	100	0	P	V
		7440	41.42	-32.58	74	59.05	35.89	12.79	66.31	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Note symbol

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

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

WIFI Ant. CDD 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)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

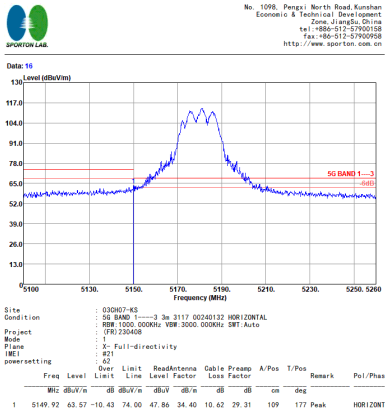
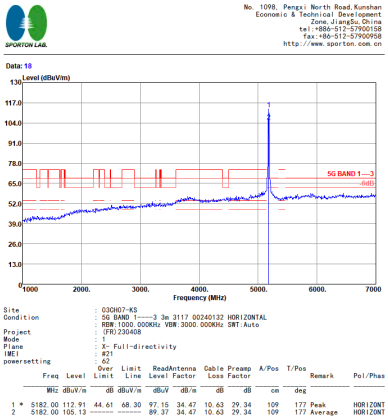
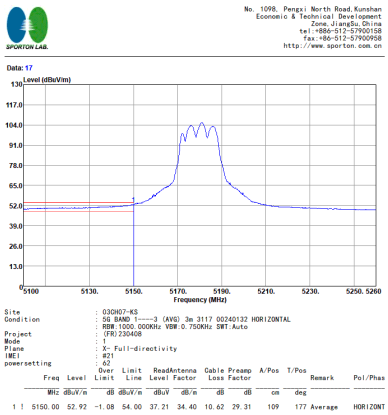
Appendix C. Radiated Spurious Emission Plots

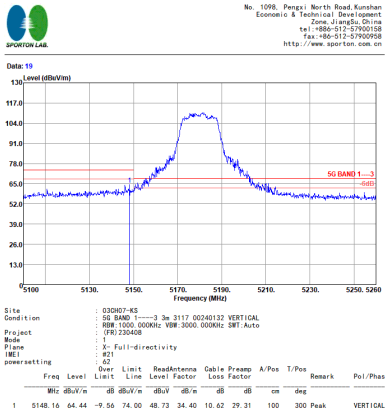
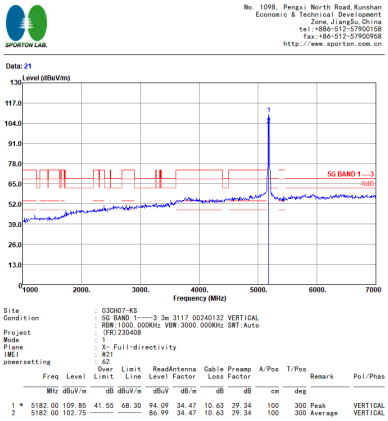
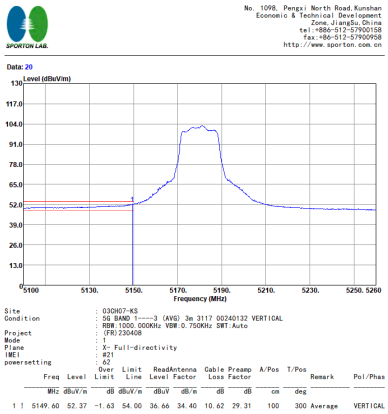
Note symbol

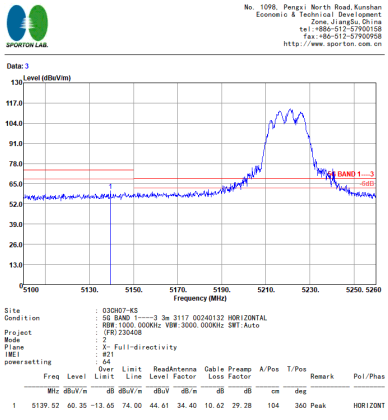
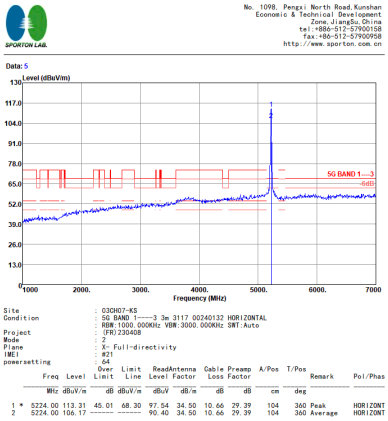
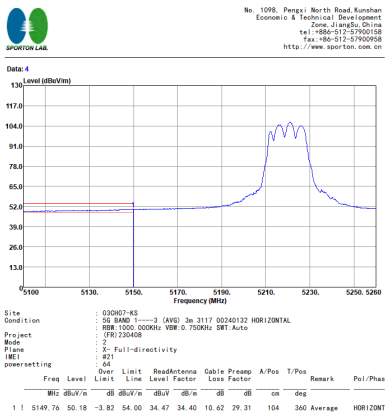
-L	**Low channel location**
-R	**High channel location**

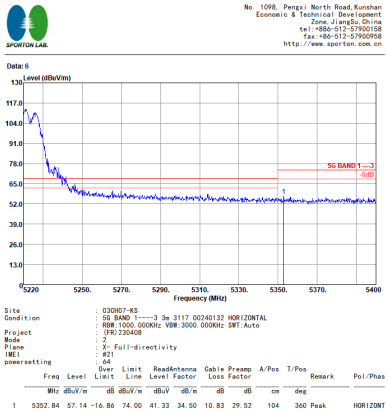
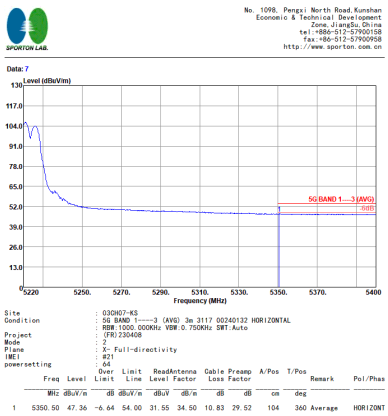
UNII-1- 5150~5250MHz

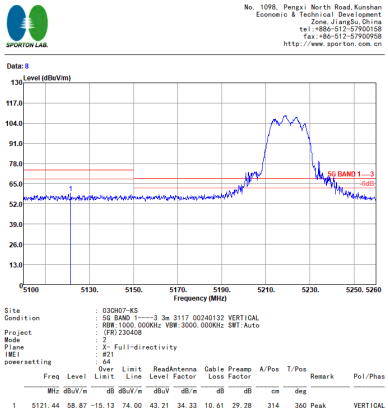
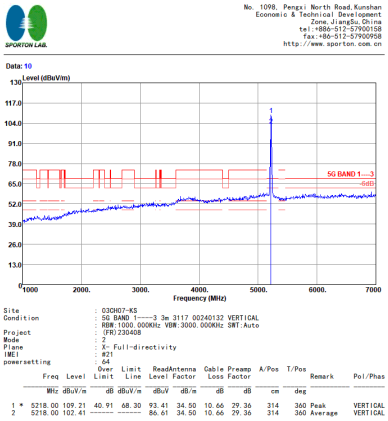
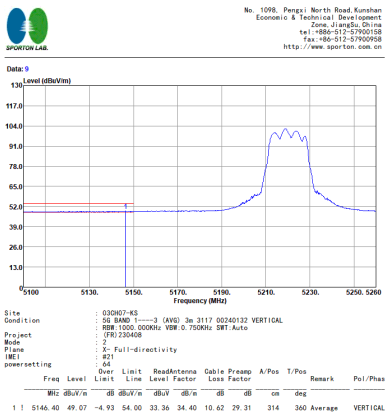
WIFI 802.11a (Band Edge @ 3m)

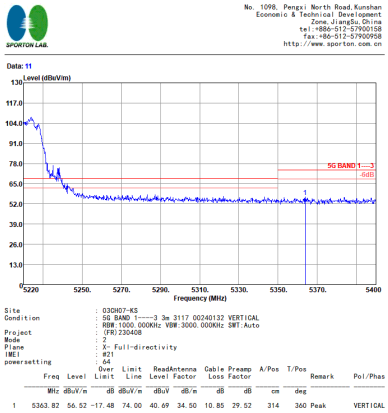
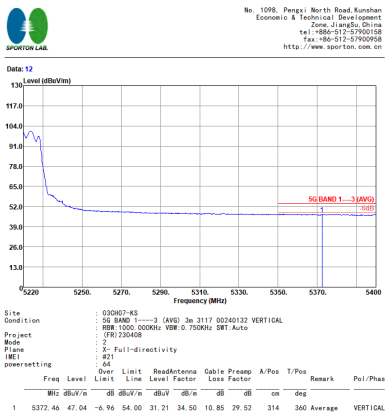
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
CDD 1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

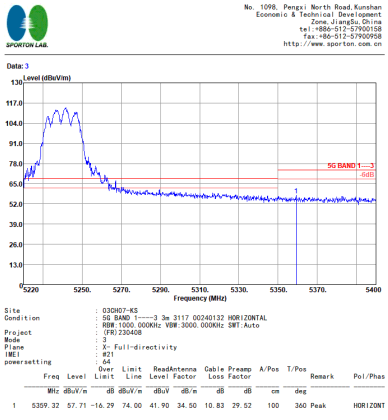
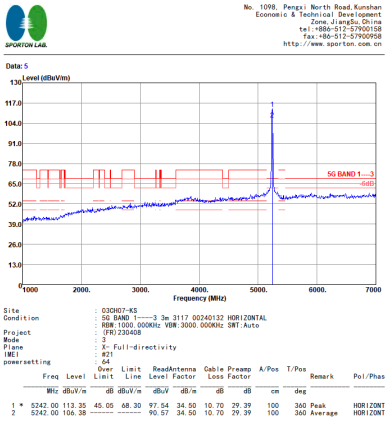
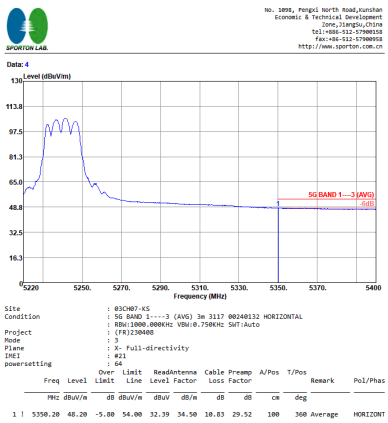
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
CDD 1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

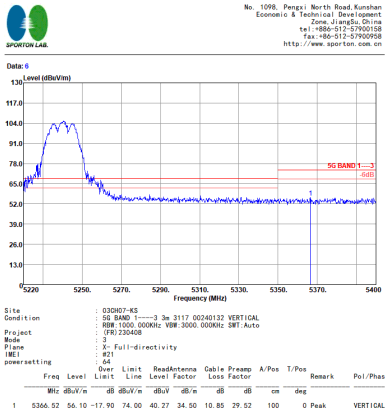
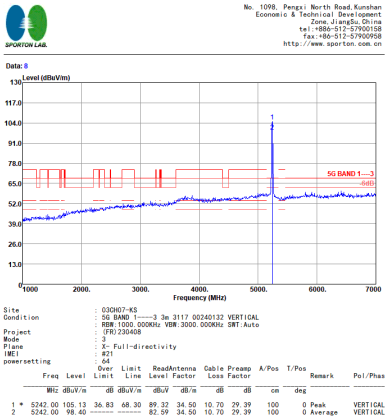
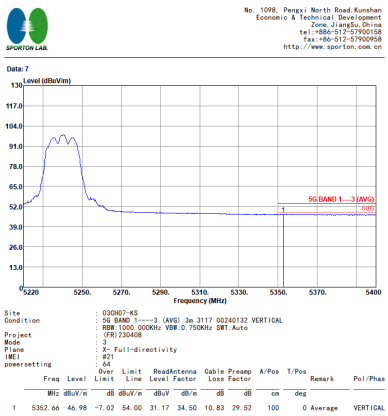
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
CDD 1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
CDD 1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
CDD 1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

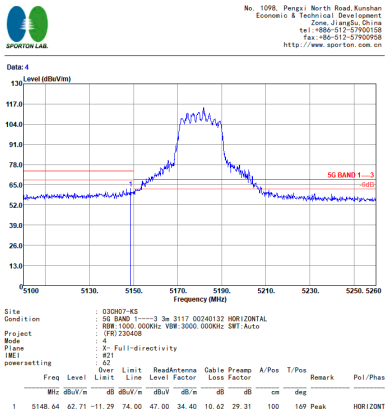
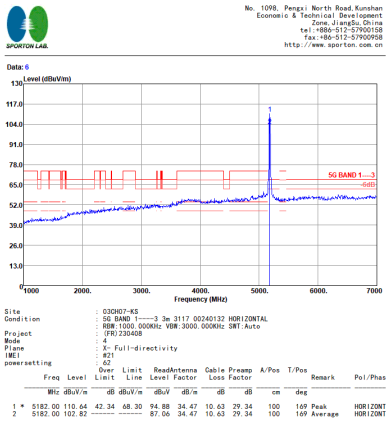
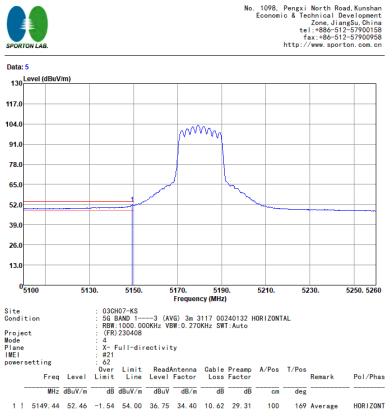
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
CDD 1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

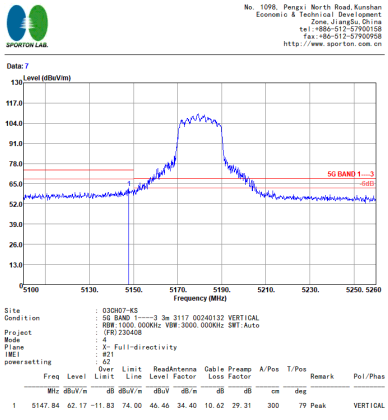
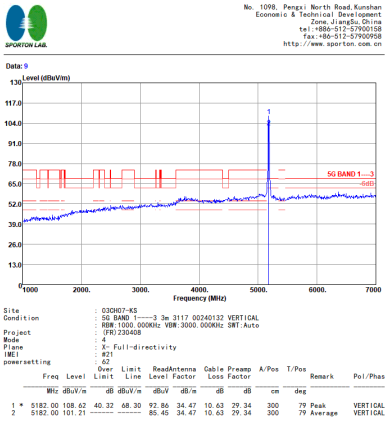
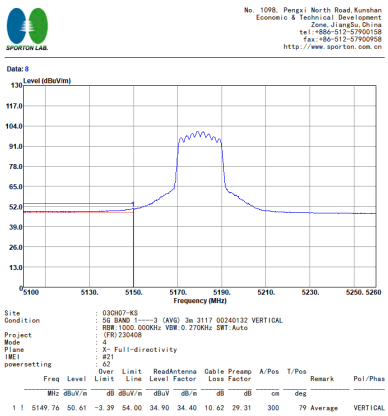
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
CDD 1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

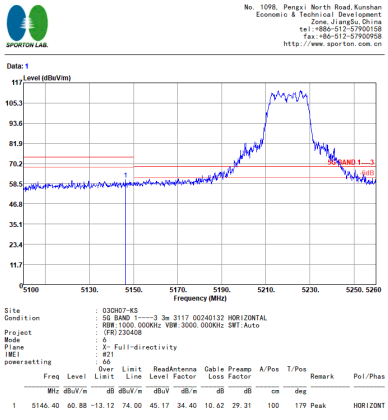
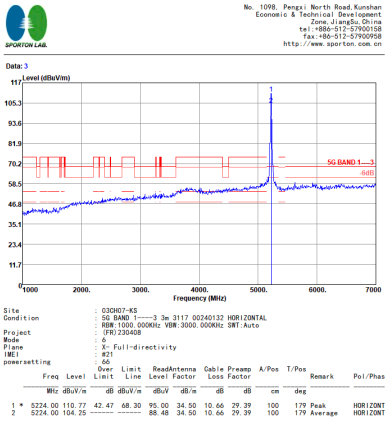
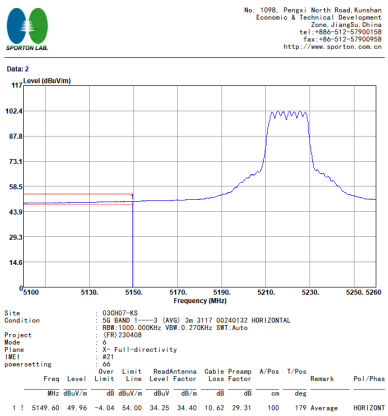
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
CDD 1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

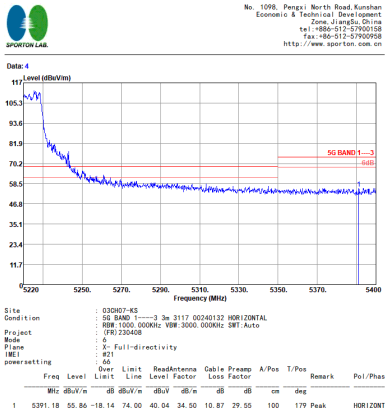
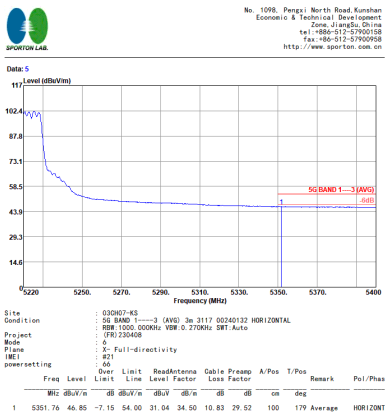
UNII-1 5150~5250MHz

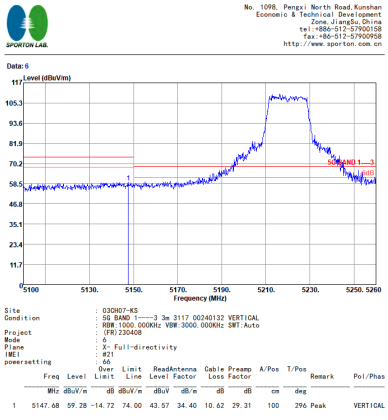
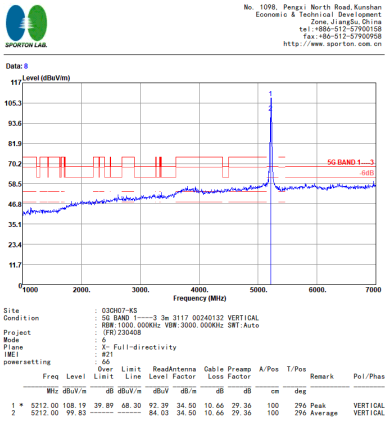
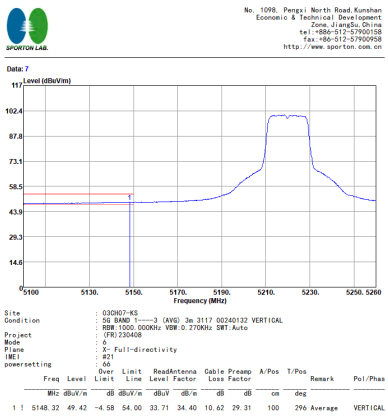
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

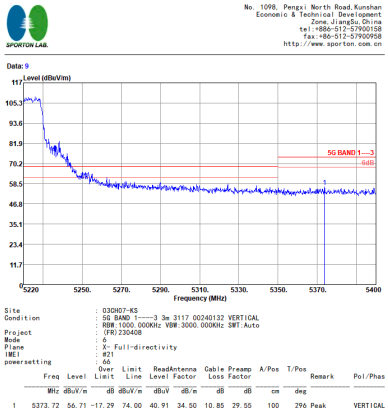
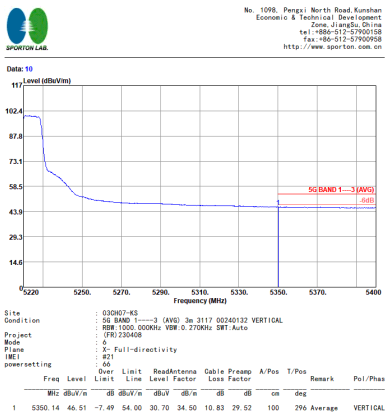
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
CDD 1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

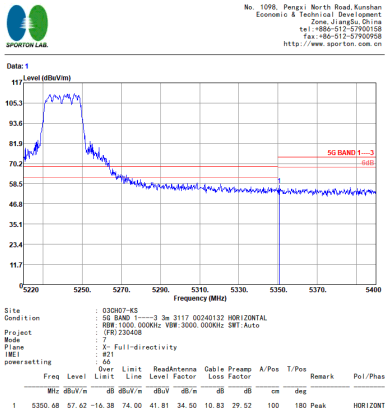
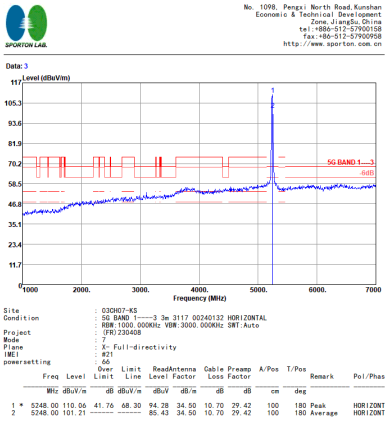
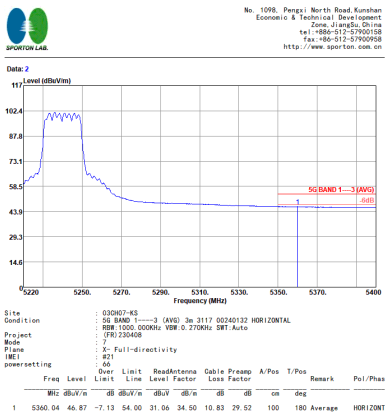
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
CDD 1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

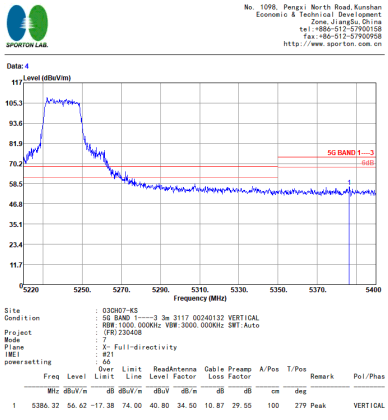
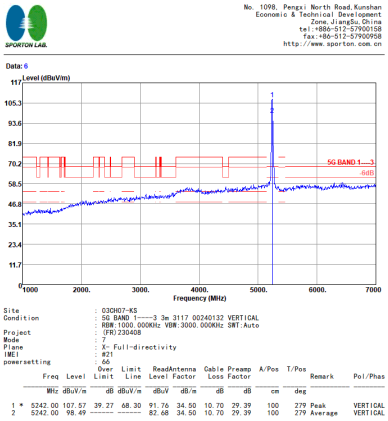
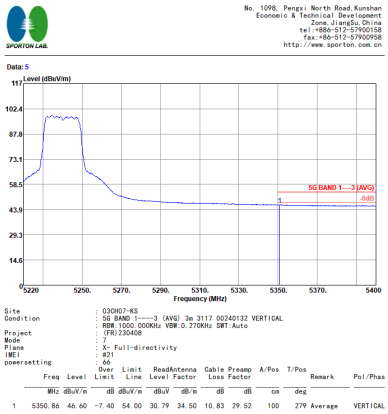
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
CDD 1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
CDD 1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
CDD 1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

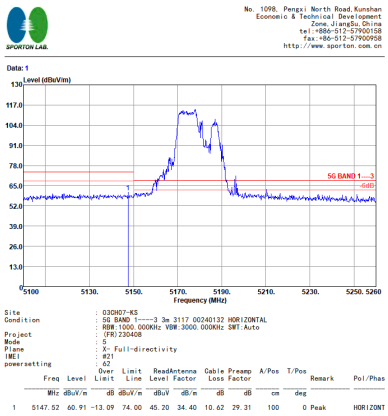
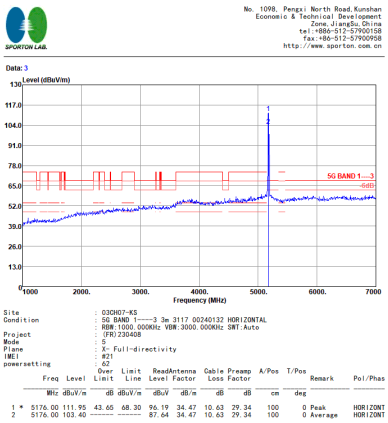
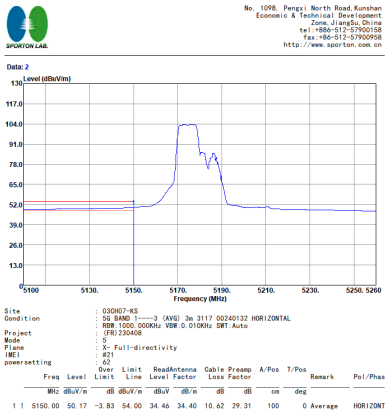
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
CDD 1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

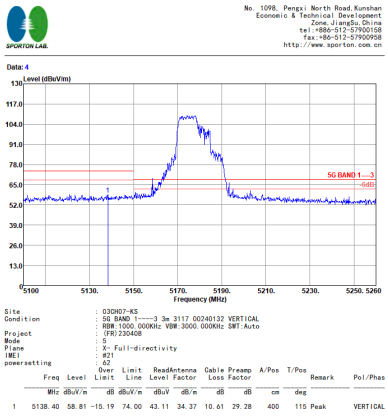
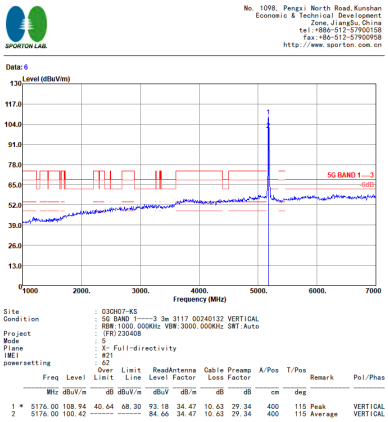
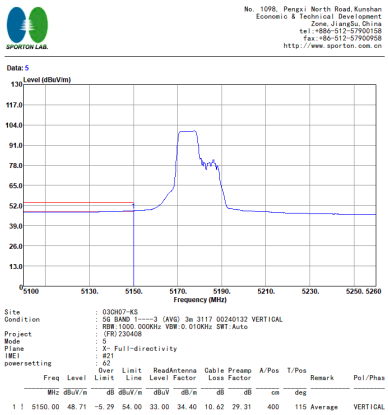
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
CDD 1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
CDD 1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

UNII-1 5150~5250MHz

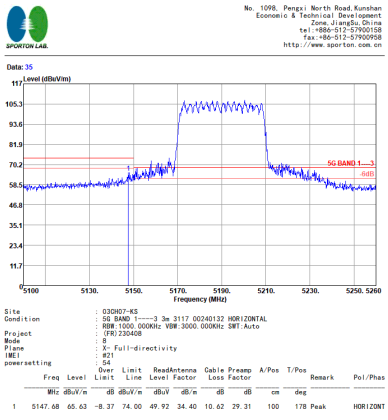
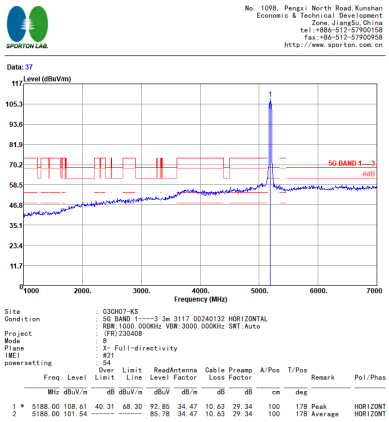
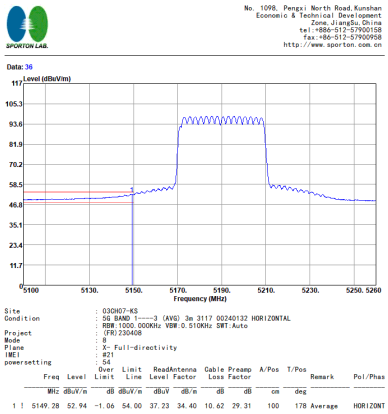
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

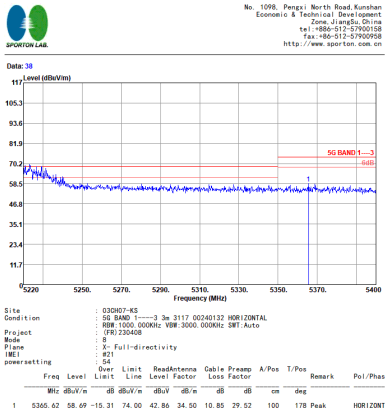
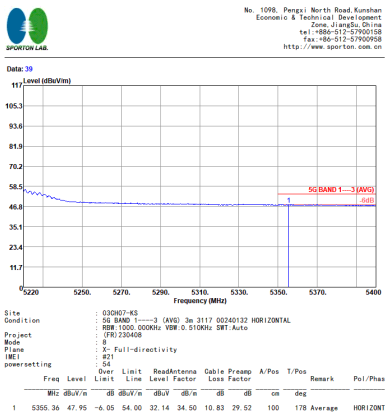
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
CDD 1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

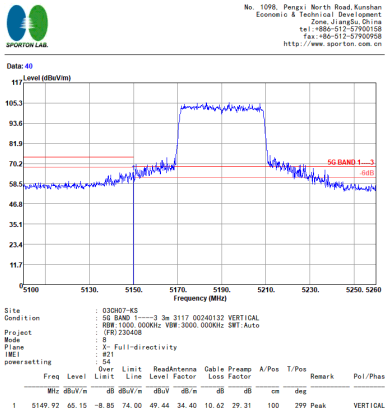
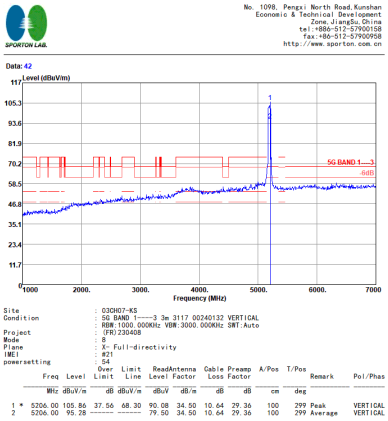
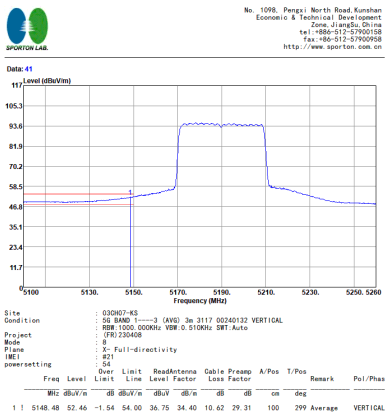
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
CDD 1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

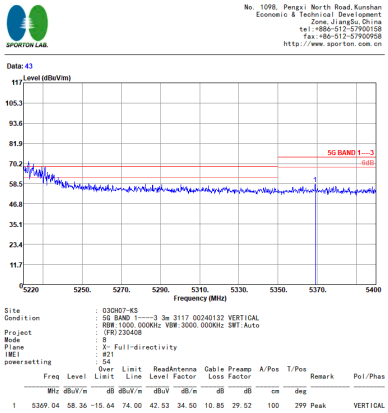
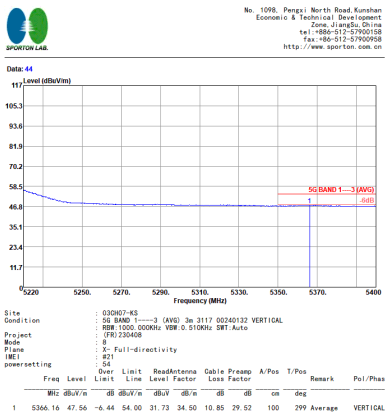
UNII-1 5150~5250MHz

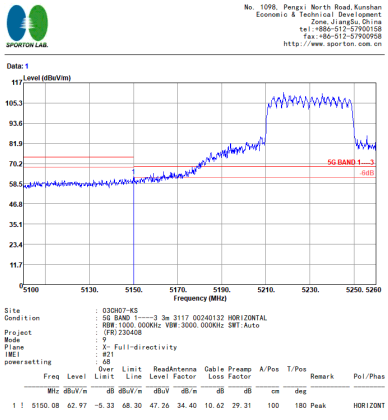
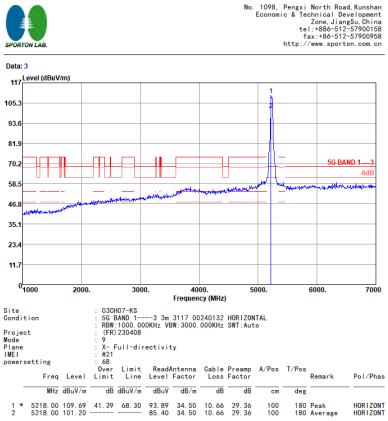
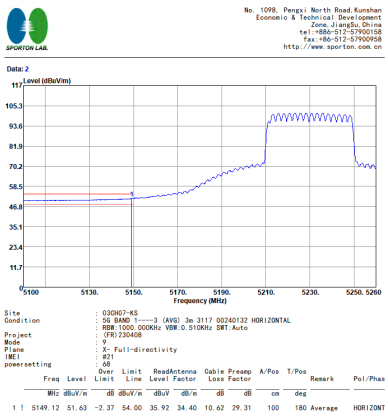
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

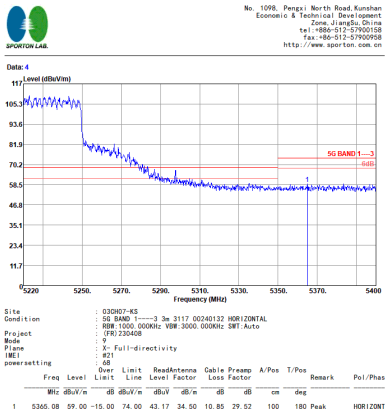
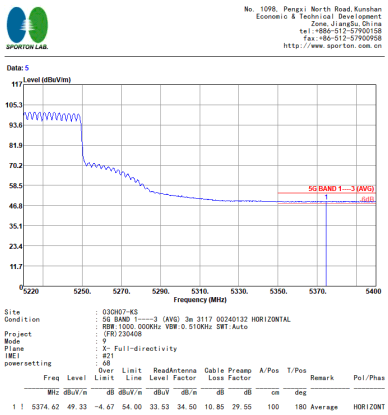
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
CDD 1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
CDD 1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
CDD 1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
CDD 1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
CDD 1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
CDD 1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank