FCC RADIO TEST REPORT

FCC ID	:	**A4RG9BQD**
Equipment	:	**Phone**
Model Name	:	**G9BQD**
Applicant	:	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, California, 94043 USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Feb. 06, 2023 and testing was performed from Feb. 17, 2023 to May 27, 2023. We, Sporton International Inc. Wensan Laboratory, 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 from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

TEL : 886-3-327-0868
FAX : 886-3-327-0855

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History of this test report

Report No.	Version	Description	Issue Date
FR2D0208-07E	01	Initial issue of report	Jun. 29, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	Emission Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	1.64 dB under the limit at 5351.28 MHz
3.5	15.207	AC Conducted Emission	Pass	15.28 dB under the limit at 1.50 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”.

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: William Chen

Report Producer: Doris Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Phone
Model Name	G9BQD
FCC ID	A4RG9BQD
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/NFC/GNSS/WPT WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 WLAN 11be EHT20/EHT40/EHT80/EHT160 Bluetooth BR/EDR/LE/HR

Remark: The above EUT's information was declared by manufacturer.

EUT Information List	
S/N	**Performed Test Item**
31061FDJH0001Y	RF Conducted Measurement
33241FDJH0004A	Radiated Spurious Emission
33201FDJH000KU	Conducted Emission

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz 5745 MHz ~ 5825 MHz
Maximum Output Power	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 3+4>** 802.11a: 22.46 dBm / 0.1762 W 802.11n HT20: 23.49 dBm / 0.2234 W 802.11n HT40: 22.35 dBm / 0.1718W 802.11ac VHT20: 23.49 dBm / 0.2234 W 802.11ac VHT40: 22.35 dBm / 0.1718 W 802.11ac VHT80: 19.29 dBm / 0.0849 W 802.11ax HE20: 23.49 dBm / 0.2234 W 802.11ax HE40: 22.35 dBm / 0.1718 W 802.11ax HE80: 19.29 dBm / 0.0849 W 802.11be EHT20: 23.59 dBm / 0.2286 W 802.11be EHT40: 22.45 dBm / 0.1758 W 802.11be EHT 80: 19.39 dBm / 0.0869 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 3+4>** 802.11a:22.54 dBm / 0.1795 W 802.11n HT20: 22.94 dBm / 0.1968 W 802.11n HT40: 22.79 dBm / 0.1901 W 802.11ac VHT20: 22.94 dBm / 0.1968 W 802.11ac VHT40: 22.79 dBm / 0.1901 W 802.11ac VHT80: 18.44 dBm / 0.0698 W 802.11ac VHT160: 17.06 dBm / 0.0508 W 802.11ax HE20: 22.94 dBm / 0.1968 W 802.11ax HE40: 22.79 dBm / 0.1901 W 802.11ax HE80: 18.44 dBm / 0.0698 W 802.11ax HE160: 17.16 dBm / 0.0520 W 802.11be EHT20: 23.04 dBm / 0.2014 W 802.11be EHT40: 22.89 dBm / 0.1945 W 802.11be EHT 80: 18.54 dBm / 0.0714 W 802.11be EHT 160: 17.16 dBm / 0.0520 W

Product Specification is subject to this standard	
Maximum Output Power	**<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 3+4>** 802.11a: 22.59 dBm / 0.1816 W 802.11n HT20: 23.69 dBm / 0.2339W 802.11n HT40: 22.79 dBm / 0.1901 W 802.11ac VHT20: 23.69 dBm / 0.2339W 802.11ac VHT40: 22.79 dBm / 0.1901 W 802.11ac VHT80: 22.79 dBm / 0.1901 W 802.11ac VHT160: 18.94 dBm / 0.0783 W 802.11ax HE20: 23.69 dBm / 0.2339 W 802.11ax HE40: 22.79 dBm / 0.1901 W 802.11ax HE80: 22.79 dBm / 0.1901 W 802.11ax HE160: 19.04 dBm / 0.0802 W 802.11be EHT20: 23.79dBm / 0.2393W 802.11be EHT40: 22.89 dBm / 0.1945 W 802.11be EHT 80: 22.89 dBm / 0.1945 W 802.11be EHT 160: 18.94 dBm / 0.0783 W **<5745 MHz ~ 5825 MHz>** **MIMO <Ant. 3+4>** 802.11a: 23.84 dBm / 0.2421 W 802.11n HT20: 23.64 dBm / 0.2312 W 802.11n HT40: 22.84 dBm / 0.1923 W 802.11ac VHT20: 23.64 dBm / 0.2312 W 802.11ac VHT40: 22.84 dBm / 0.1923 W 802.11ac VHT80: 22.35 dBm / 0.1718 W 802.11ax HE20: 23.64 dBm / 0.2312 W 802.11ax HE40: 22.84dBm / 0.1923 W 802.11ax HE80: 22.35dBm / 0.1718 W 802.11be EHT20: 23.74 dBm / 0.2366 W 802.11be EHT40: 22.94 dBm / 0.1968 W 802.11be EHT 80: 22.45 dBm / 0.1758 W

<table>
<tr><th colspan="2">Product Specification is subject to this standard</th></tr>
<tr><td>99% Occupied Bandwidth</td><td>MIMO <Ant. 3>
802.11a: 18.13 MHz
802.11be EHT20: 19.48 MHz
802.11be EHT40: 38.16 MHz
802.11be EHT80: 77.44 MHz
802.11be EHT160: 157.52MHz
MIMO <Ant. 4>
802.11a: 17.78 MHz
802.11be EHT20: 19.53 MHz
802.11be EHT40: 38.16 MHz
802.11be EHT80: 77.44 MHz
802.11be EHT160: 157.28 MHz</td></tr>
<tr><td>Antenna Type</td><td><5180 MHz ~ 5240 MHz>
<Ant. 3>: Loop Antenna
<Ant. 4>: Monopole Antenna
<5260 MHz ~ 5320 MHz>
<Ant. 3>: Loop Antenna
<Ant. 4>: Monopole Antenna
<5500 MHz ~ 5720 MHz>
<Ant. 3>: Loop Antenna
<Ant. 4>: Monopole Antenna
<5745 MHz ~ 5825 MHz>
<Ant. 3>: Loop Antenna
<Ant. 4>: Monopole Antenna</td></tr>
<tr><td>Antenna Gain</td><td><5180 MHz ~ 5240 MHz>
<Ant. 3>: -4.00 dBi
<Ant. 4>: -4.10 dBi
<5260 MHz ~ 5320 MHz>
<Ant. 3>: -5.10 dBi
<Ant. 4>: -3.90 dBi
<5500 MHz ~ 5720 MHz>
<Ant. 3>: -4.50 dBi
<Ant. 4>: -5.20 dBi
<5745 MHz ~ 5825 MHz>
<Ant. 3>: -4.00 dBi
<Ant. 4>: -3.90 dBi</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n: OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)
802.11ax: OFDMA (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)
802.11be: OFDMA (BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM/4096QAM)</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><td></td><td>Ant. 3</td><td>Ant. 4</td></tr>
<tr><td>802.11 a/n/ac/ax/be MIMO</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

Remark:

1. MIMO Ant. 3+4 Directional Gain is a calculated result from MIMO Ant. 3 and MIMO Ant. 4. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 3 + Ant. 4 is a calculated result from sum of the power MIMO Ant. 3 and MIMO Ant. 4.
3. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2.1 Antenna Gain

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii)

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

For power measurements on IEEE 802.11 devices,

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

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

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

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.

As minimum N_{SS}=1 is supported by EUT, the formula can be simplified as:

Directional gain = $10*\log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}]$ dBi

Where G1, G2….GN denote single antenna gain.

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

	Ant 3 (dBi)	Ant 4 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-4.00	-4.10	-4.00	-1.04	0.00	0.00
Band II	-5.10	-3.90	-3.90	-1.47	0.00	0.00
Band III	-4.50	-5.20	-4.50	-1.83	0.00	0.00
Band IV	-4.00	-3.90	-3.90	-0.94	0.00	0.00

Calculation example:

If a device has two antenna, G_{ANT1}= -4.0Bi; G_{ANT2}= -4.10dBi

Directional gain of power measurement = max(-4.0, -4.1) + 0 = -4.0dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (-4.0 dBi / 20) + 10^ (-4.1 dBi / 20)] ^ 2 } / 2 }

= -1.04 dBi

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

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	CO05-HY (TAF Code: 1190)
Remark	The Conducted test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

Note: The test site complies with ANSI C63.4 2014 requirement.

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, 03CH16-HY
Remark	The Conducted test item subcontracted to Sporton International Inc. Wensan Laboratory.

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW1190 and TW3786

1.5 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

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, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and accessory (Adapter or Earphone), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

Frequency Band	Channel	Freq. (MHz)
5150-5350 MHz	50@	5250
5470-5725 MHz	114@	5570

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		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155#	5775	165	5825

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40 and 802.11be EHT40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80 and 802.11be EHT80.
3. The above Frequency and Channel with "@" are 802.11ac VHT160 and 802.11ax HE160 and 802.11be EHT160.

2.2 Test Mode

This device supports WiFi 802.11be 20MHz bandwidth for 2.4GHz and 160MHz bandwidth for both 5GHz and 6GHz.
This device supports 26/52/106/242/484/996 single tone RU modes for 802.11ax/be modes and the 242/484/996-tone RU modes are covered by 20/40/80MHz channels.
This device supports MRU 52T+26T/106T+26T (small RU) and punctured modes (large RU) for 802.11be mode.
The PSD of partial RU/MRU modes are reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2018 and Oct. 2022 for WiFi 7 device.
The 802.11ax/be modes are investigated among full RU, single RU and MRU modes for emission spot check and the 11ax modes are covered by 11be modes.
The PSD and power of partial RU and MRU are less than full RU configurations so the full RU is chosen as main test configuration.
The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is chosen as main test configuration..
The power for 802.11n, 802.11ac and 802.11ax mode is smaller than 802.11be mode, so all other conducted and radiated test is covered by 802.11be mode.

The final test modes include the worst data rates for each modulation shown in the table below.

MIMO Mode

Specification	MCS index /Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by EHT20)	MCS0
802.11n HT40 (Covered by EHT40)	MCS0
802.11ac VHT20 (Covered by EHT20)	MCS0
802.11ac VHT40 (Covered by EHT40)	MCS0
802.11ac VHT80 (Covered by EHT80)	MCS0
802.11ac VHT160 (Covered by EHT160)	MCS0
802.11ax HE20 (Covered by EHT20)	MCS0
802.11ax HE40 (Covered by EHT40)	MCS0
802.11ax HE80 (Covered by EHT80)	MCS0
802.11ax HE160 (Covered by EHT160)	MCS0
802.11be EHT20	MCS0
802.11be EHT40	MCS0
802.11be EHT80	MCS0
802.11be EHT160	MCS0

Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

Test Cases	
AC Conducted Emission	Mode 1 : GSM850 Idle + WLAN (5GHz) Link + Bluetooth Link + USB Cable 1 (Charging from AC Adapter 2)

Remark:
1. For Radiated Test Cases, the tests were performed with Adapter 1 and USB Cable 1.
2. During the preliminary test, both charging modes (Adapter mode and WPT charging mode) were verified. It is determined that the adaptor mode is the worst case for official test.

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

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11be EHT20	802.11be EHT20	802.11be EHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11be EHT40	802.11be EHT40	802.11be EHT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11be EHT80	802.11be EHT80	802.11be EHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

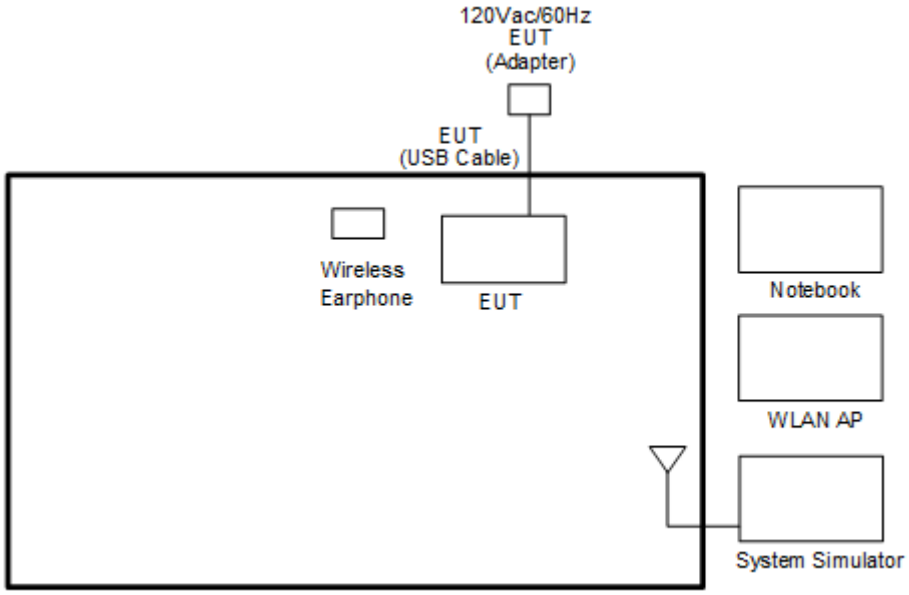
Frequency Band	Channel	Freq. (MHz)
5150-5350 MHz	50@	5250
5470-5725 MHz	114@	5570

Ch. #		Band IV：5725-5850 MHz			
		802.11a	802.11be EHT20	802.11be EHT40	802.11be EHT80
L	Low	149	149	151	-
M	Middle	157	-	-	155
H	High	165	165	159	-

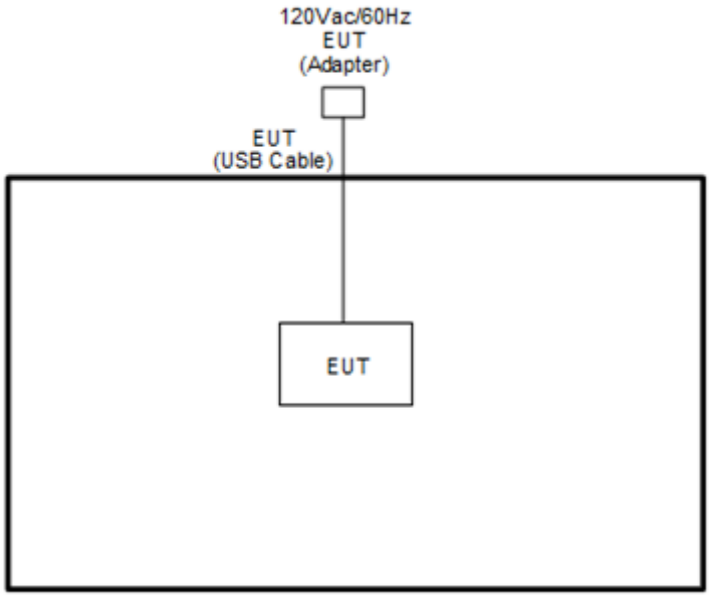
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Wireless Earphone	Google	G1007/G1008	A4RG1007/ A4RG1008	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	KA2DIR628A2	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	Latitude 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “cmd 10.0.19042.1526” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

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 4.2 dB and 10 dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).
= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 Emission Bandwidth and 99% Occupied Bandwidth Measurement

3.1.1 Description of Emission Bandwidth and 99% Occupied Bandwidth

26dB and 99% Occupied bandwidth are reporting only.
The minimum 6 dB bandwidth shall be at least 500 kHz for the band 5.725-5.85 GHz.

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.

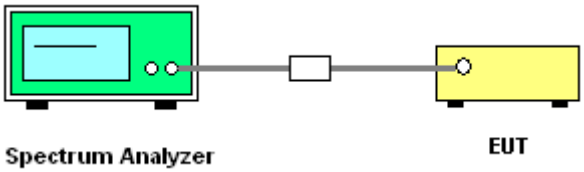
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% bandwidth measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. For 6dB bandwidth measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 100 kHz and set the Video bandwidth (VBW) ≥ 3 * RBW. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
9. Measure and record the results in the test report.

3.1.4 Test Setup

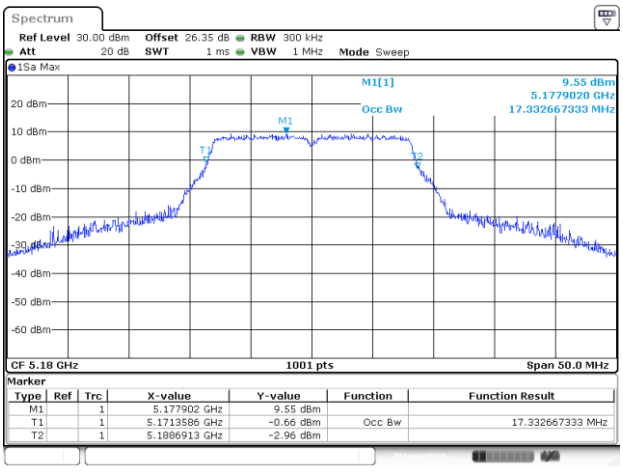
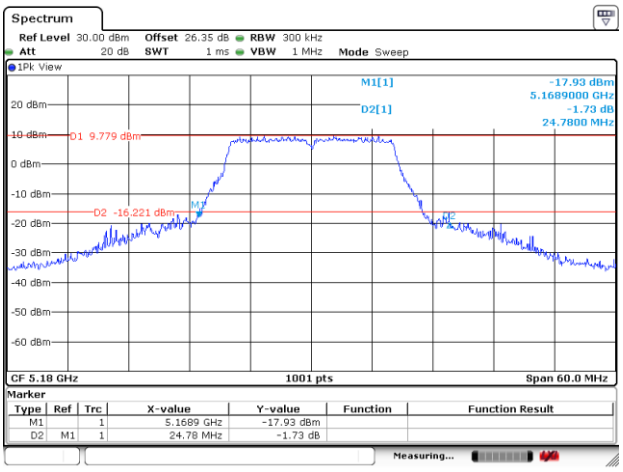
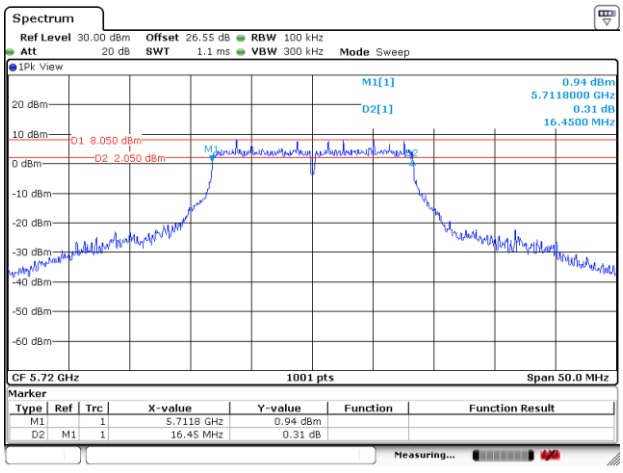


3.1.5 Test Result of Emission Bandwidth and 99% Occupied Bandwidth

Please refer to Appendix A.

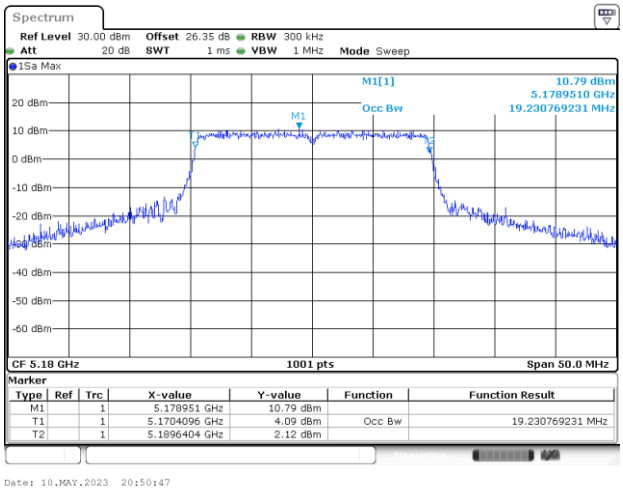
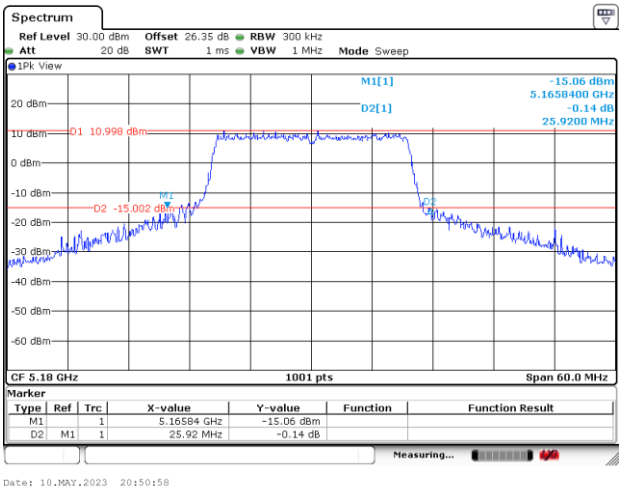
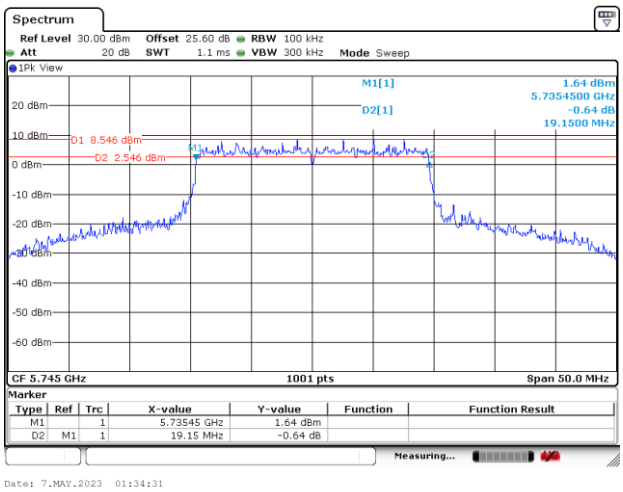
MIMO <Ant. 3+4>

<802.11a>

99% Occupied Bandwidth	26dB Bandwidth
	
6dB Bandwidth	**N/A**
	

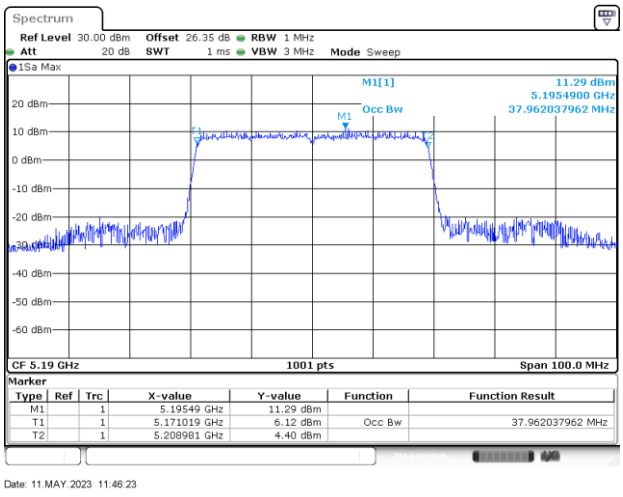
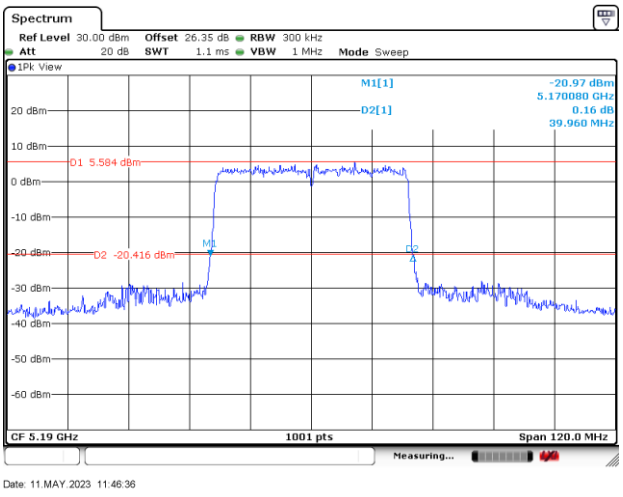
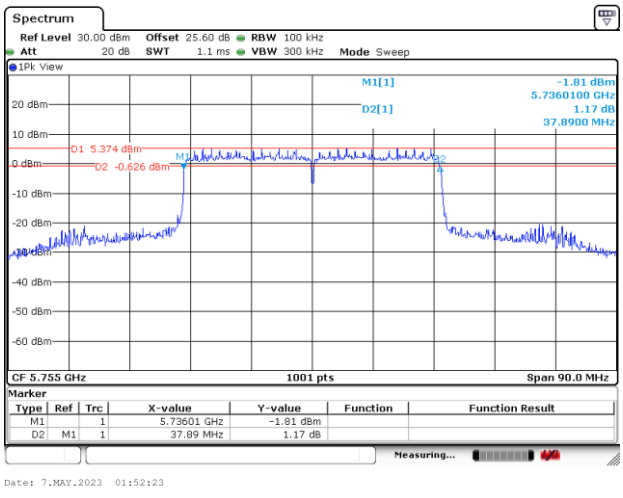
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11be EHT20>

99% Occupied Bandwidth	26dB Bandwidth
	
6dB Bandwidth	**N/A**
	

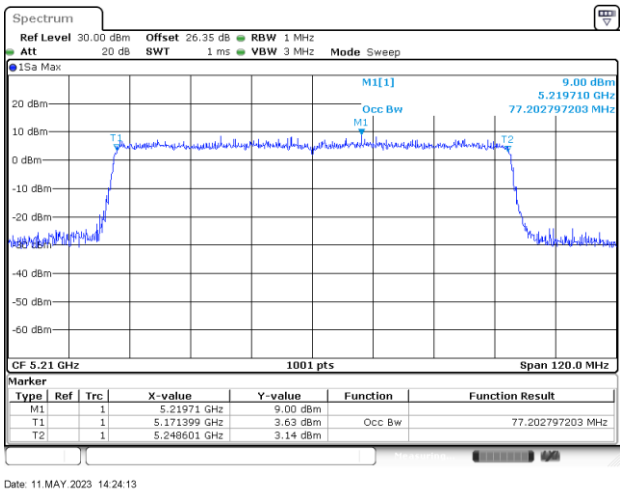
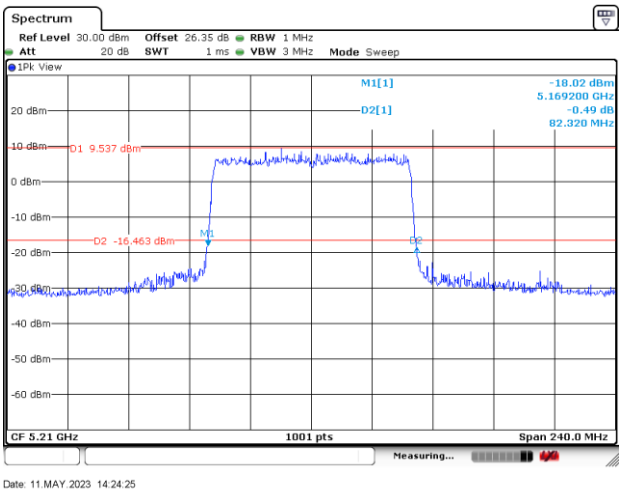
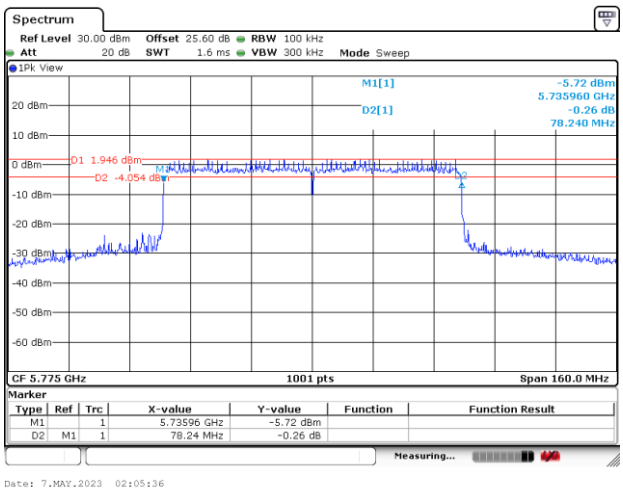
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11be EHT40>

99% Occupied Bandwidth	26dB Bandwidth
	
6dB Bandwidth	**N/A**
	

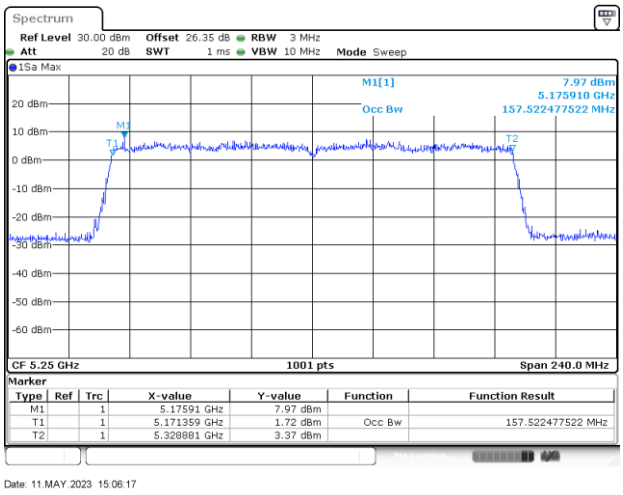
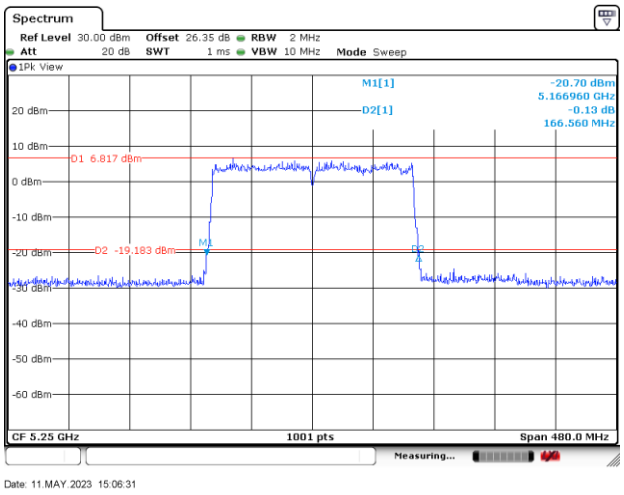
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11be EHT80>

99% Occupied Bandwidth	26dB Bandwidth
	
6dB Bandwidth	**N/A**
	

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

<802.11be EHT160>

99% Occupied Bandwidth	26dB 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 the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

For the band 5.725–5.85 GHz:

■ the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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

Please refer to the measuring equipment list in this test report.

3.2.3 Test Procedures

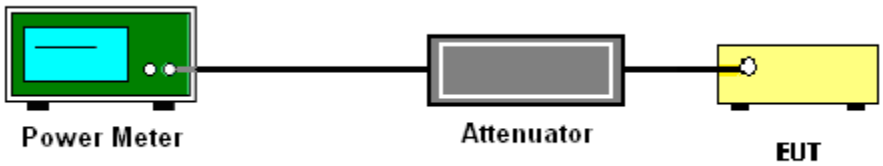
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz 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.

For the band 5.725–5.85 GHz:

The maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

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

Please refer to the measuring equipment list in 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 the band 5.15−5.25 GHz, 5.25−5.35 GHz, and 5.47−5.725 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 = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

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

For 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).

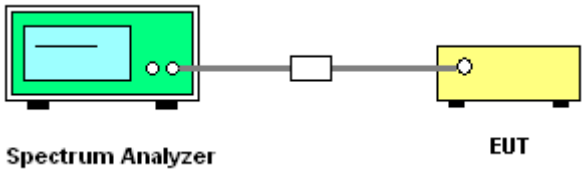
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300kHz.
- Set VBW ≥ 1 MHz.
- Add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (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

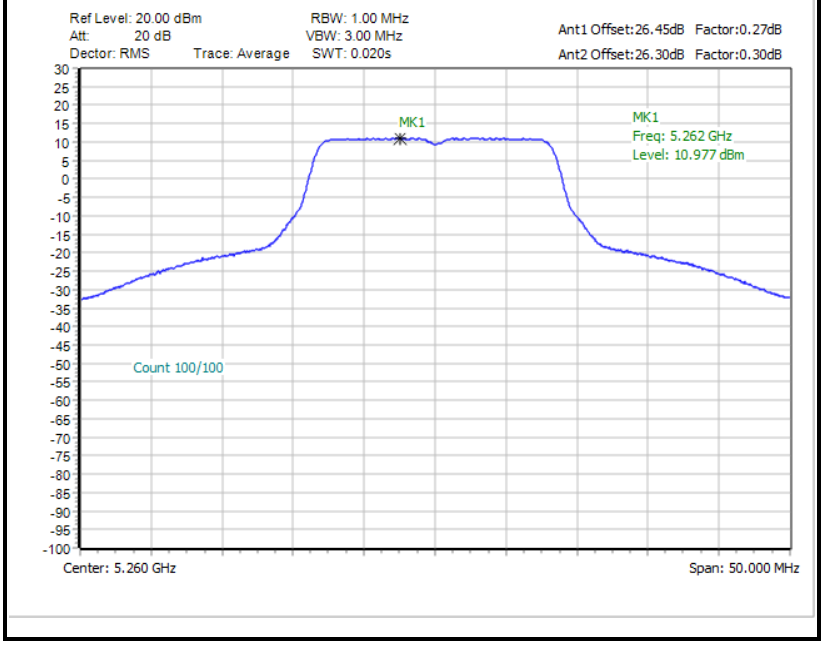


3.3.5 Test Result of Power Spectral Density

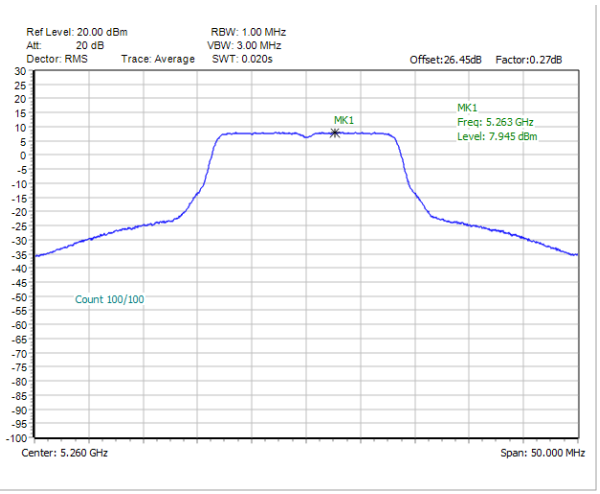
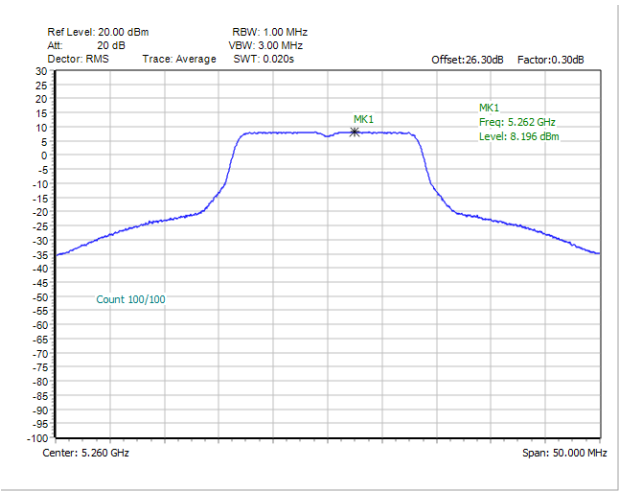
Please refer to Appendix A.

For the band 5.15−5.25 GHz, 5.25−5.35 GHz, and 5.47−5.725 GHz:

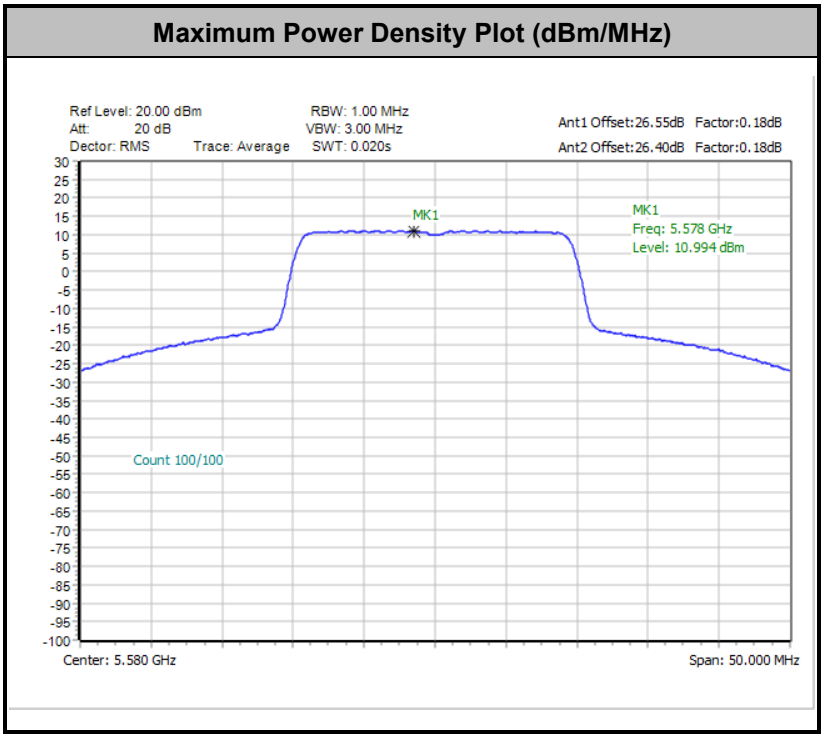
<802.11a>

Maximum Power Density Plot (dBm/MHz)


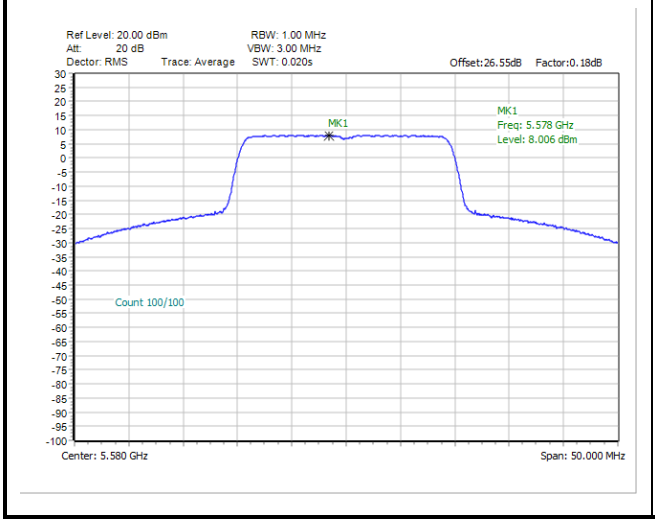
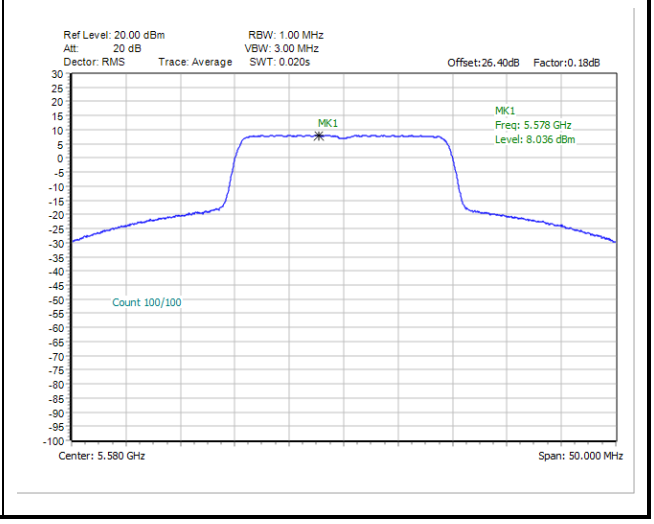
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

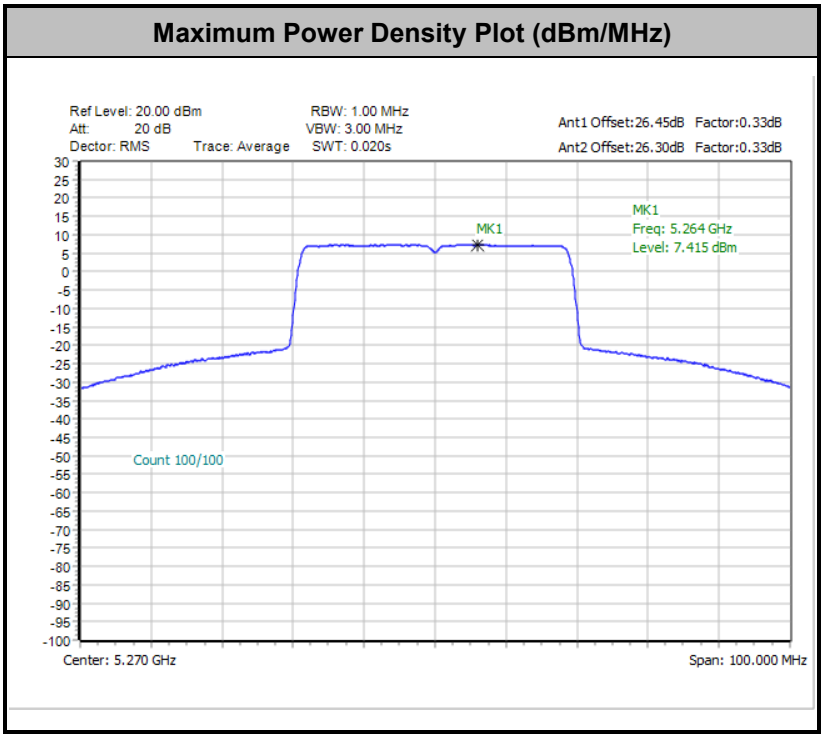
<802.11be EHT20>

Maximum Power Density Plot (dBm/MHz)


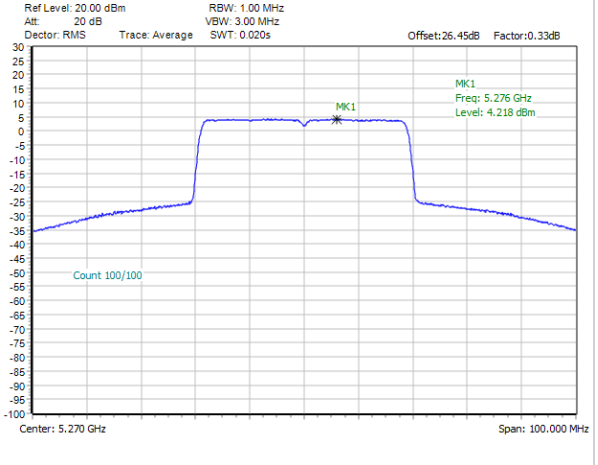
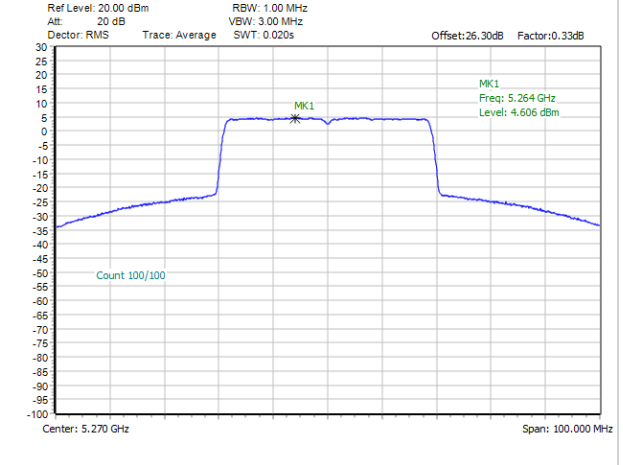
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

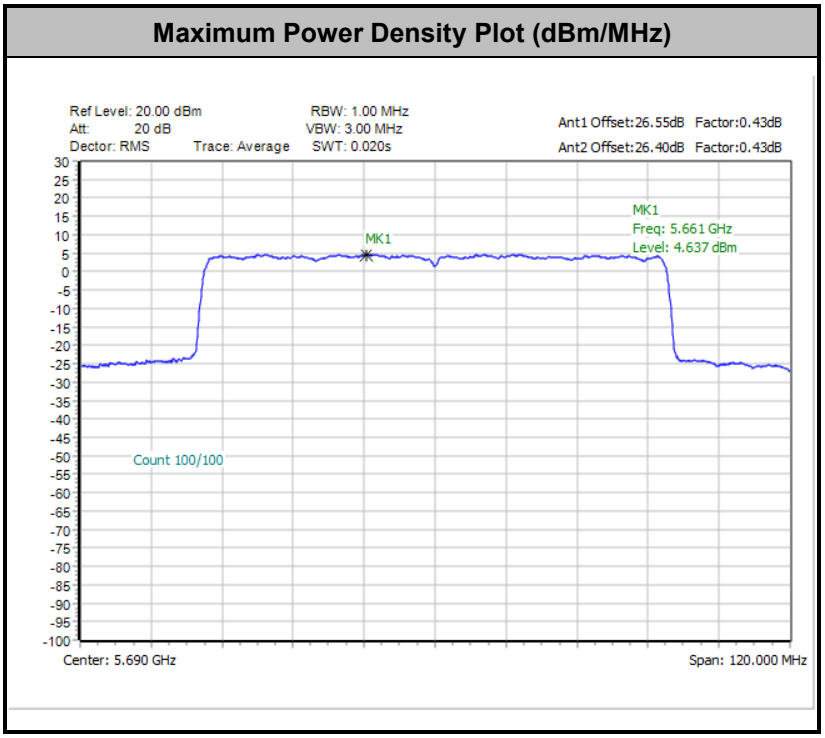
<802.11be EHT40>

Maximum Power Density Plot (dBm/MHz)


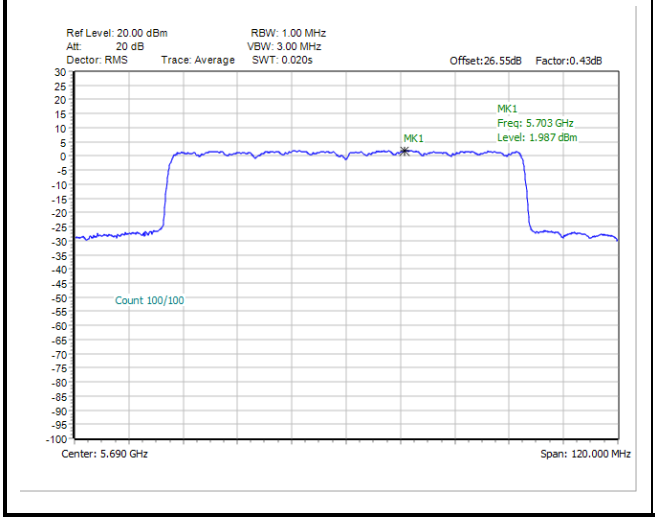
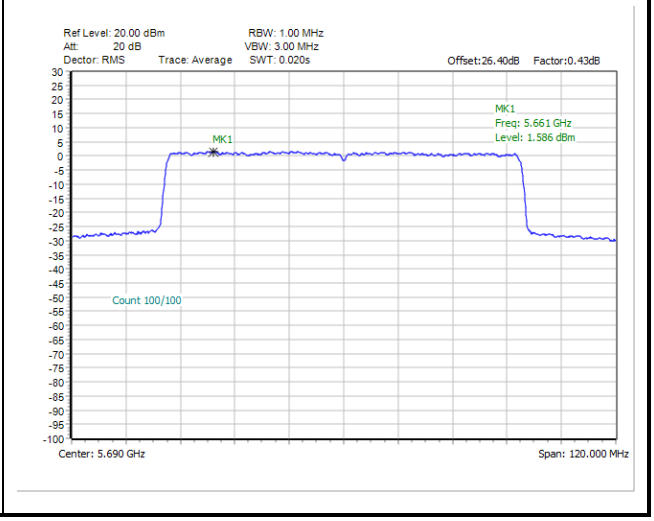
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

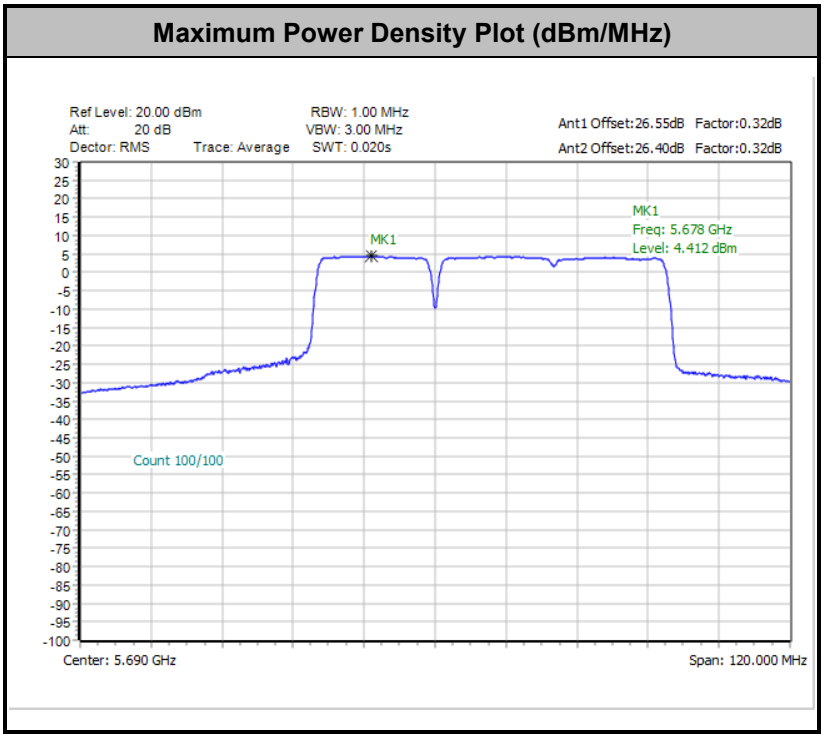
<802.11be EHT80>

Maximum Power Density Plot (dBm/MHz)


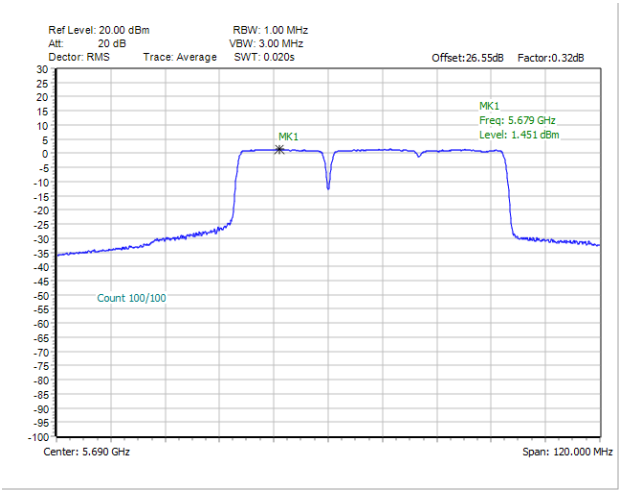
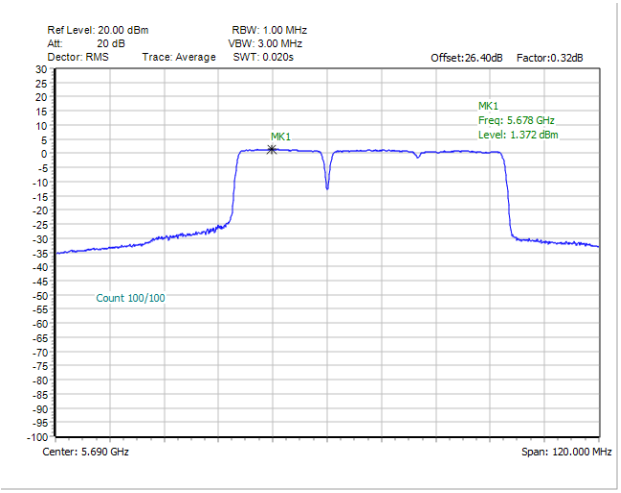
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

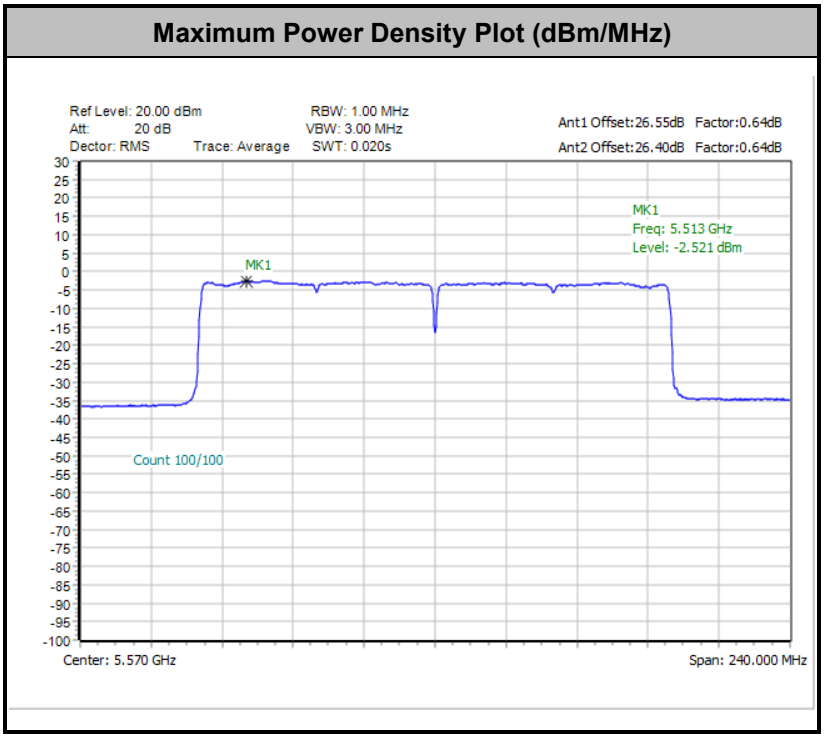
<802.11be EHT80 Puncture 20RU1>

Maximum Power Density Plot (dBm/MHz)


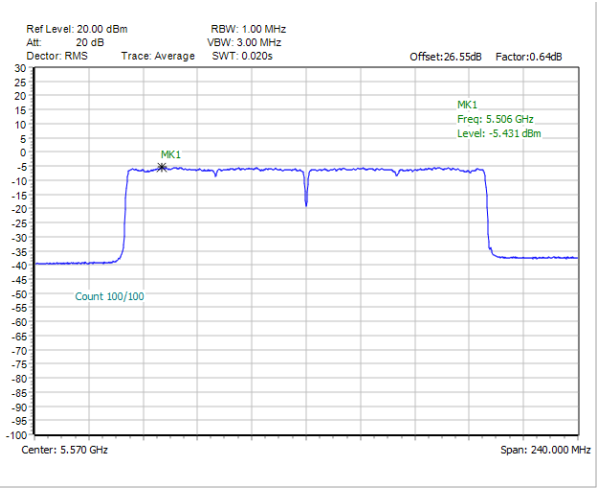
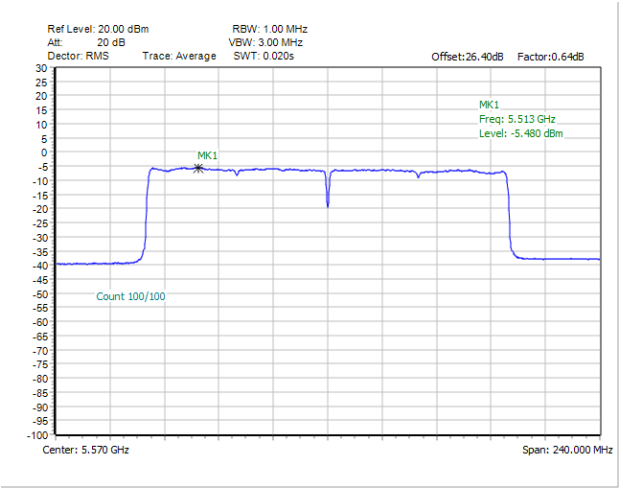
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

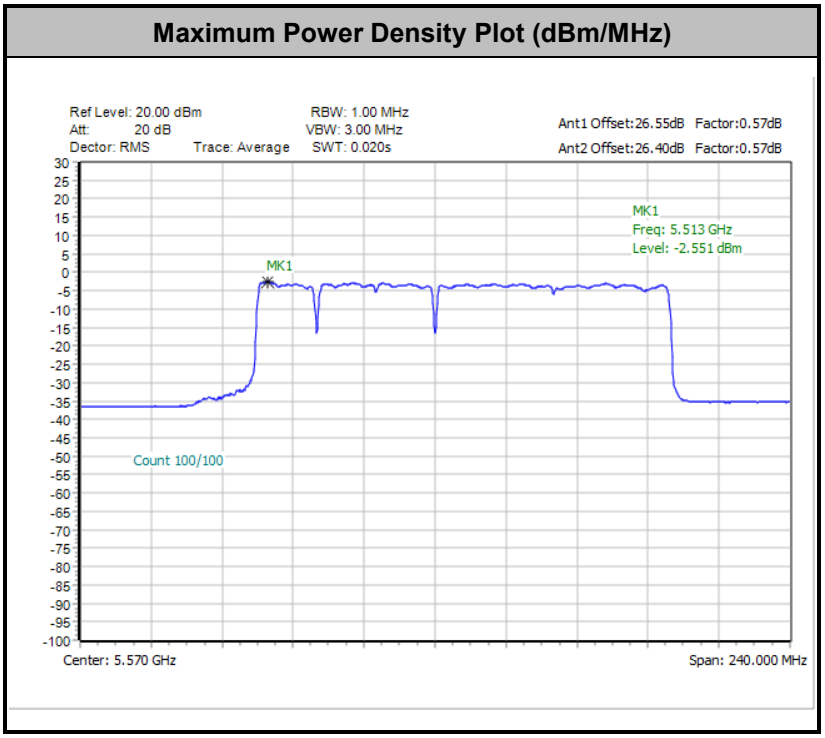
<802.11be EHT160>

Maximum Power Density Plot (dBm/MHz)


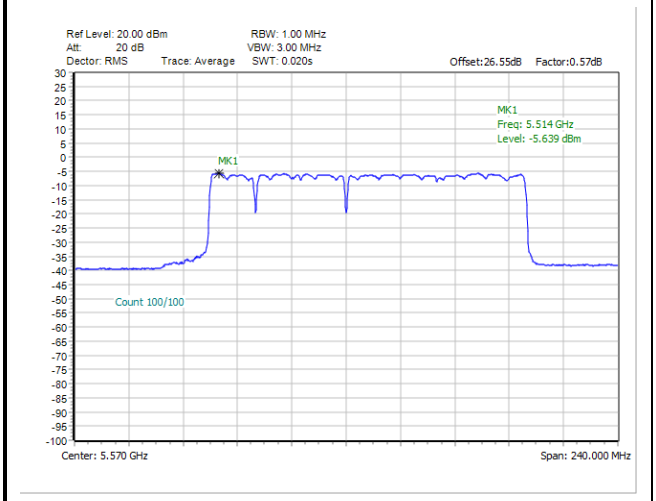
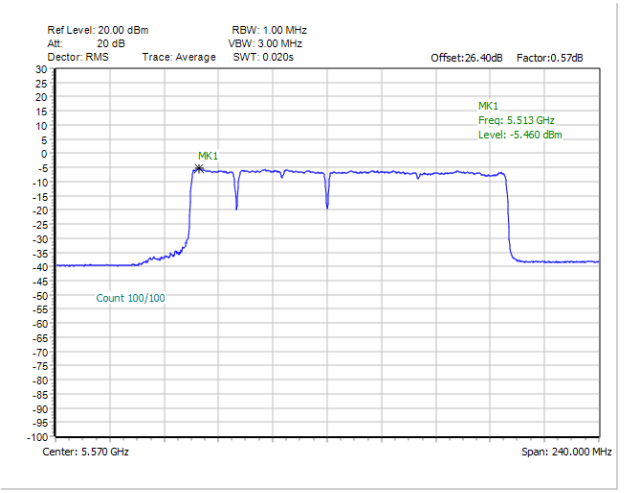
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

<802.11be EHT160 Puncture 20RU1>

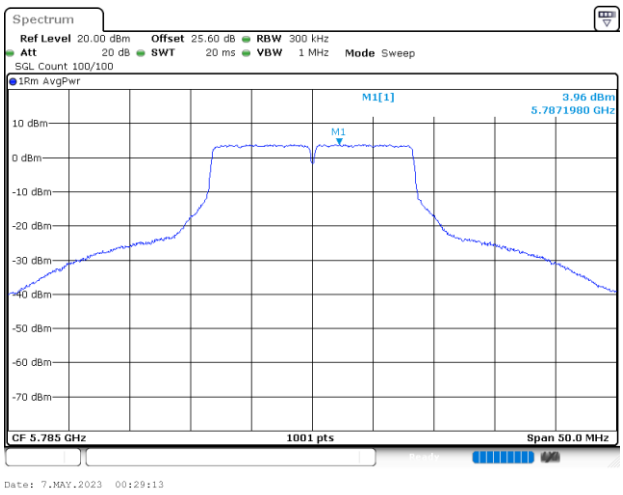
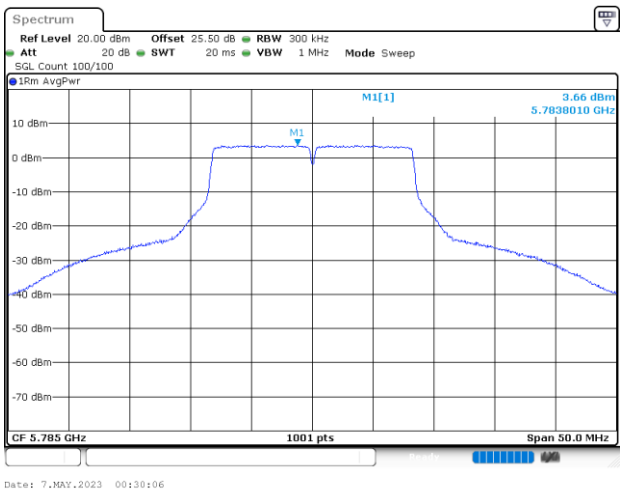
Maximum Power Density Plot (dBm/MHz)


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

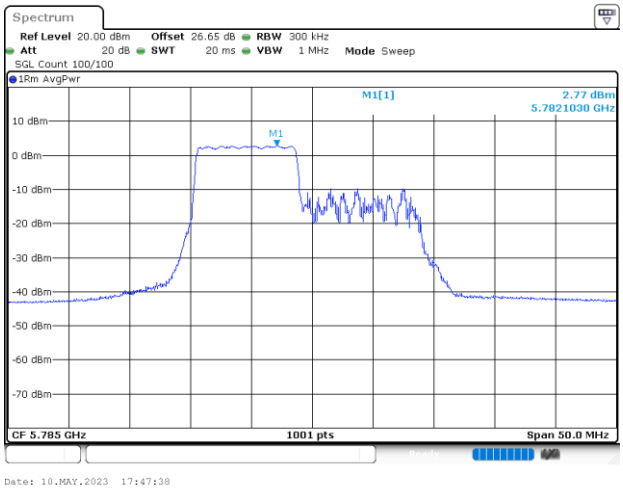
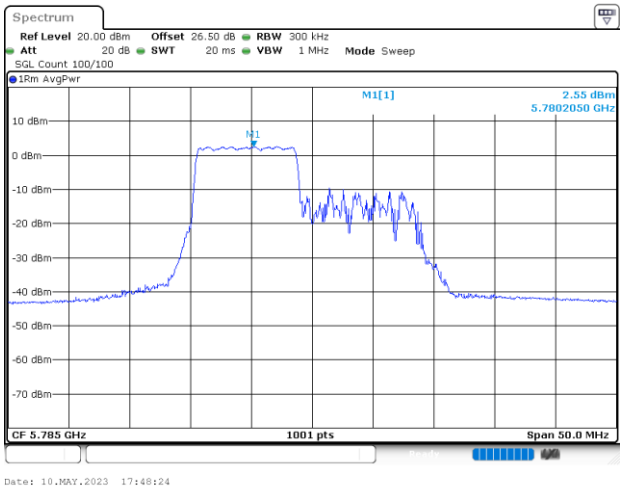
Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 4)
	

For the band 5.725–5.85 GHz:

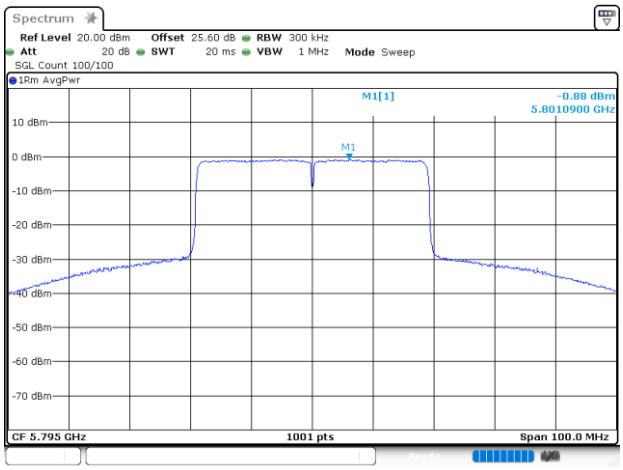
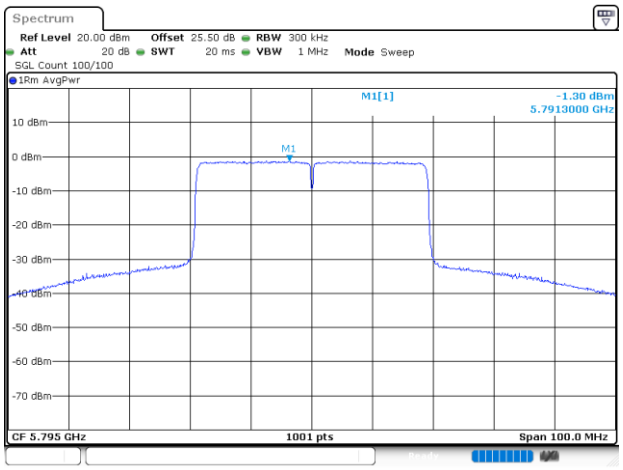
<802.11a>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 3	**MIMO Ant. 4**
	

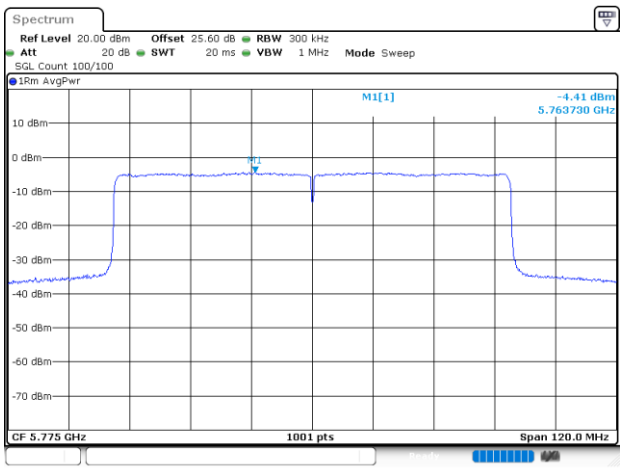
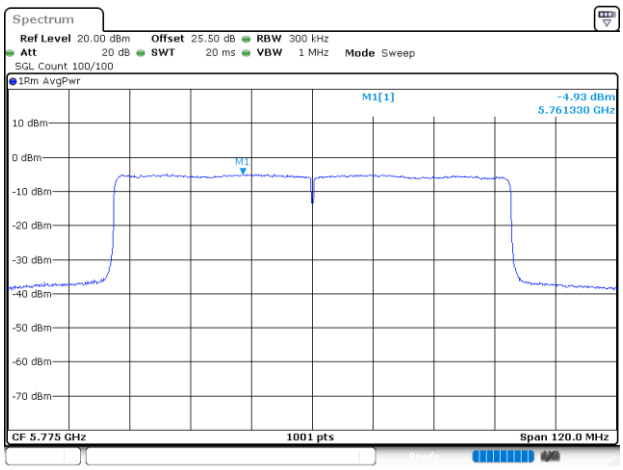
<802.11be EHT20 106RU>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 3	**MIMO Ant. 4**
	

<802.11be EHT40>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 3	**MIMO Ant. 4**
	

<802.11be EHT80>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 3	**MIMO Ant. 4**
	

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

(2) Unwanted spurious emissions falls 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

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

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

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

(3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

Please refer to the measuring equipment list in 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 1000 MHz

- 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

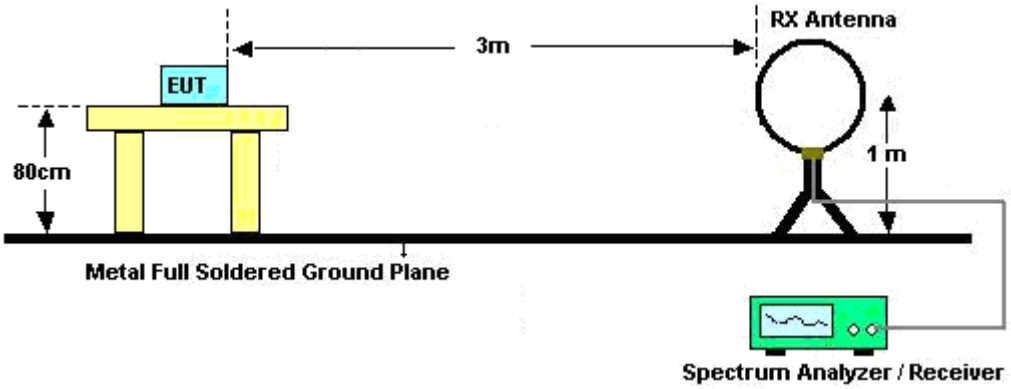
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

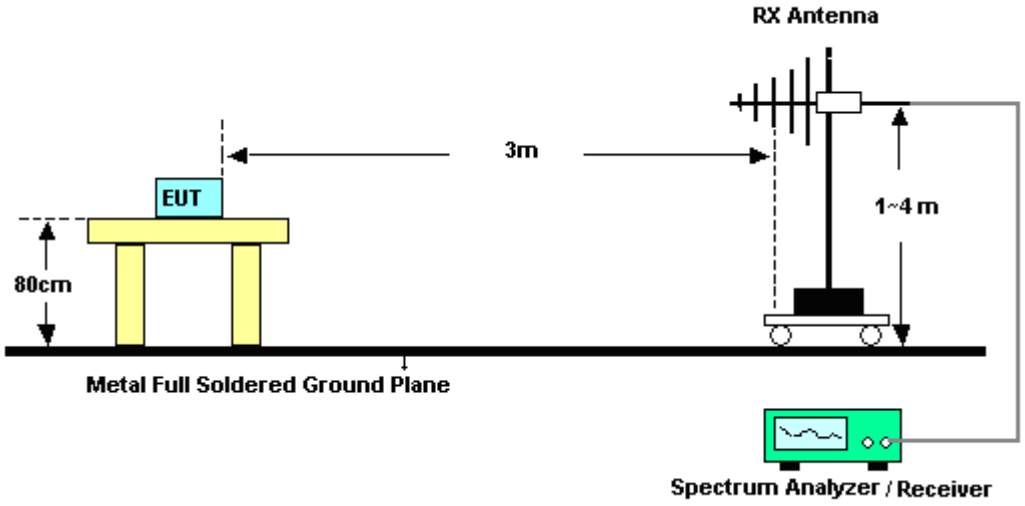
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna 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 is 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. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

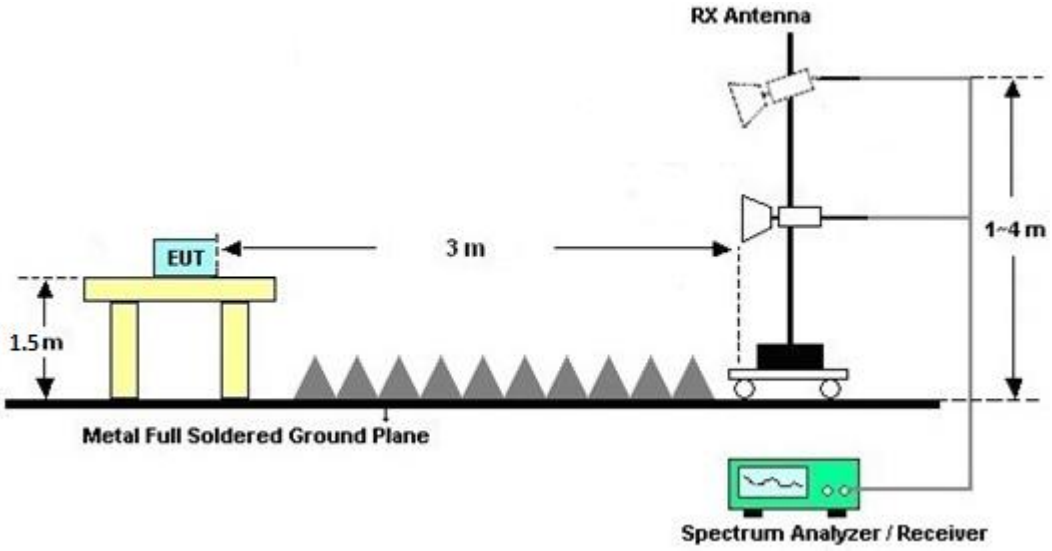
For radiated emissions below 30MHz



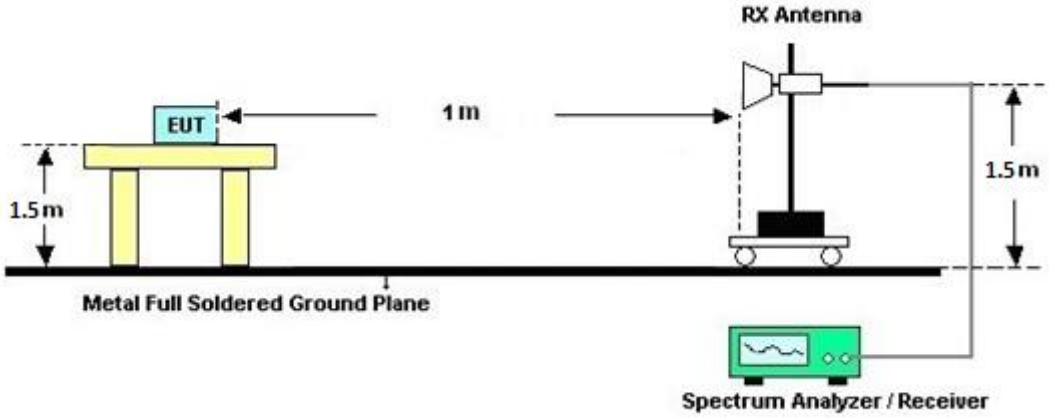
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

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.

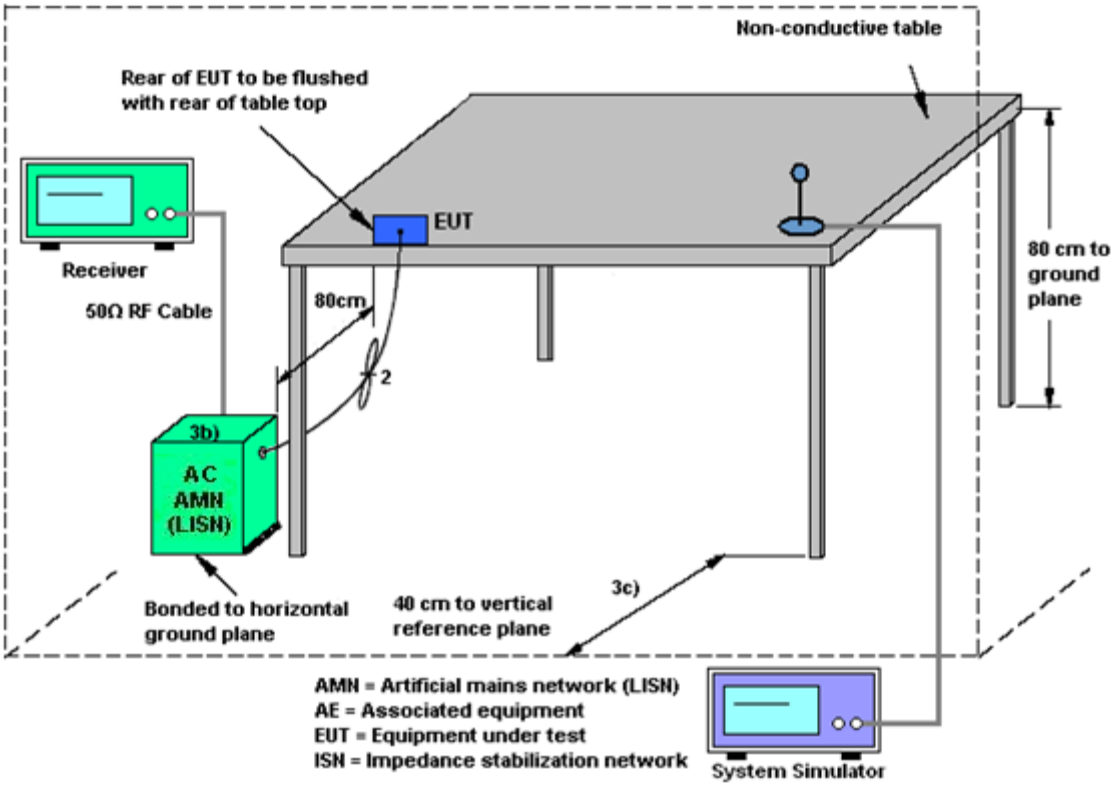
3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is 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 shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1GHz~18GHz	Mar. 23, 2023	Apr. 13, 2023 ~ May 06, 2023	Mar. 22, 2024	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 24, 2022	Apr. 13, 2023 ~ May 06, 2023	Nov. 23, 2023	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-06	47020 & 06	30MHz~1GHz	Oct. 08, 2022	Apr. 13, 2023 ~ May 06, 2023	Oct. 07, 2023	Radiation (03CH16-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	Apr. 13, 2023 ~ May 06, 2023	Sep. 19, 2023	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 28, 2022	Apr. 13, 2023 ~ May 06, 2023	Jun. 27, 2023	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 26, 2022	Apr. 13, 2023 ~ May 06, 2023	Dec. 25, 2023	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 09, 2022	Apr. 13, 2023 ~ May 06, 2023	Dec. 08, 2023	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 04, 2022	Apr. 13, 2023 ~ May 06, 2023	Jul. 03, 2023	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Dec. 15, 2022	Apr. 13, 2023 ~ May 06, 2023	Dec. 14, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	805935/4	N/A	Aug. 09, 2022	Apr. 13, 2023 ~ May 06, 2023	Aug. 08, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	802434/4	N/A	Aug. 09, 2022	Apr. 13, 2023 ~ May 06, 2023	Aug. 08, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5757	N/A	Aug. 09, 2022	Apr. 13, 2023 ~ May 06, 2023	Aug. 08, 2023	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Apr. 13, 2023 ~ May 06, 2023	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Apr. 13, 2023 ~ May 06, 2023	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr. 13, 2023 ~ May 06, 2023	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr. 13, 2023 ~ May 06, 2023	N/A	Radiation (03CH16-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 17, 2022	Feb. 17. 2023~ May 27. 2023	Nov. 16, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO12 (NO:113)	10MHz~6GHz	Dec. 13, 2022	Feb. 17. 2023~ May 27. 2023	Dec. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz~40GHz (amp)	Aug. 03, 2022	Feb. 17. 2023~ May 27. 2023	Aug. 02, 2023	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Apr. 19, 2023	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2022	Apr. 19, 2023	Nov. 30, 2023	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2022	Apr. 19, 2023	Nov. 16, 2023	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 17, 2022	Apr. 19, 2023	Nov. 16, 2023	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Apr. 19, 2023	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Aug. 01, 2022	Apr. 19, 2023	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 29, 2022	Apr. 19, 2023	Dec. 28, 2023	Conduction (CO05-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.5 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.5 dB**

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.6 dB**

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.5 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.6 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Ching Chen, Junyu Jhou and Shiming Liu	Temperature:	21~25	°C
Test Date:	2023/2/17-2023/5/27	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	36	5180	17.33	17.38	24.78	27.18	23.39		22.39			
11a	6Mbps	2	44	5220	17.43	17.48	23.28	30.96	23.41		22.41		-	
11a	6Mbps	2	48	5240	17.43	17.53	24.18	30.12	23.41		22.41			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	36	5180	18.35	19.20	21.81	24.00		-4.00		-	Pass
11a	6Mbps	2	44	5220	19.05	19.40	22.24	24.00		-4.00			Pass
11a	6Mbps	2	48	5240	18.95	19.90	22.46	24.00		-4.00			Pass
HT20	MCS0	2	36	5180	18.15	18.80	21.50	24.00		-4.00			Pass
HT20	MCS0	2	44	5220	20.35	20.60	23.49	24.00		-4.00			Pass
HT20	MCS0	2	48	5240	20.25	20.60	23.44	24.00		-4.00			Pass
HT40	MCS0	2	38	5190	15.75	16.50	19.15	24.00		-4.00			Pass
HT40	MCS0	2	46	5230	18.95	19.70	22.35	24.00		-4.00			Pass
VHT20	MCS0	2	36	5180	18.15	18.80	21.50	24.00		-4.00			Pass
VHT20	MCS0	2	44	5220	20.35	20.60	23.49	24.00		-4.00			Pass
VHT20	MCS0	2	48	5240	20.25	20.60	23.44	24.00		-4.00			Pass
VHT40	MCS0	2	38	5190	15.75	16.50	19.15	24.00		-4.00			Pass
VHT40	MCS0	2	46	5230	18.95	19.70	22.35	24.00		-4.00			Pass
VHT80	MCS0	2	42	5210	16.05	16.50	19.29	24.00		-4.00			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	36	5180	0.27	0.30	-		10.11	11.00		-1.04		-	Pass
11a	6Mbps	2	44	5220	0.27	0.30			10.70	11.00		-1.04			Pass
11a	6Mbps	2	48	5240	0.27	0.30			10.73	11.00		-1.04			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	
11a	6Mbps	2	52	5260	17.48	17.53	26.22	29.64	23.43		29.43		23.98		-
11a	6Mbps	2	60	5300	17.38	17.43	23.16	28.56	23.40		29.40		23.98		
11a	6Mbps	2	64	5320	17.33	17.18	22.56	22.44	23.35		29.35		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	52	5260	19.45	19.60	22.54	23.98		-3.90		30	Pass
11a	6Mbps	2	60	5300	19.15	19.40	22.29	23.98		-3.90		30	Pass
11a	6Mbps	2	64	5320	18.55	18.60	21.59	23.98		-3.90		30	Pass
HT20	MCS0	2	52	5260	19.65	19.90	22.79	23.98		-3.90		30	Pass
HT20	MCS0	2	60	5300	19.85	20.00	22.94	23.98		-3.90		30	Pass
HT20	MCS0	2	64	5320	18.25	18.30	21.29	23.98		-3.90		30	Pass
HT40	MCS0	2	54	5270	19.65	19.90	22.79	23.98		-3.90		30	Pass
HT40	MCS0	2	62	5310	15.85	16.30	19.09	23.98		-3.90		30	Pass
VHT20	MCS0	2	52	5260	19.65	19.90	22.79	23.98		-3.90		30	Pass
VHT20	MCS0	2	60	5300	19.85	20.00	22.94	23.98		-3.90		30	Pass
VHT20	MCS0	2	64	5320	18.25	18.30	21.29	23.98		-3.90		30	Pass
VHT40	MCS0	2	54	5270	19.65	19.90	22.79	23.98		-3.90		30	Pass
VHT40	MCS0	2	62	5310	15.85	16.30	19.09	23.98		-3.90		30	Pass
VHT80	MCS0	2	58	5290	15.35	15.50	18.44	23.98		-3.90		30	Pass
VHT160	MCS0	2	50	5250	13.55	14.50	17.06	23.98		-3.90		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	52	5260	0.27	0.30	-		10.98	11.00		-1.47		-	Pass
11a	6Mbps	2	60	5300	0.27	0.30			10.70	11.00		-1.47			Pass
11a	6Mbps	2	64	5320	0.27	0.30			9.94	11.00		-1.47			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	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)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
11a	6Mbps	2	100	5500	17.38	17.23	22.68	23.10	23.36		29.36		23.98		----	----
11a	6Mbps	2	116	5580	17.48	17.28	22.68	24.60	23.38		29.38		23.98		----	----
11a	6Mbps	2	140	5700	17.13	16.98	21.90	21.72	23.30		29.30		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	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)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
11a	6Mbps	2	144	5720	13.69	13.64	18.20	17.96	22.35		28.35		23.54		3.25	3.25

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	100	5500	19.35	19.40	22.39	23.98		-4.50		30	Pass
11a	6Mbps	2	116	5580	19.25	19.40	22.34	23.98		-4.50		30	Pass
11a	6Mbps	2	140	5700	16.35	16.20	19.29	23.98		-4.50		30	Pass
HT20	MCS0	2	100	5500	19.05	19.10	22.09	23.98		-4.50		30	Pass
HT20	MCS0	2	116	5580	20.55	20.80	23.69	23.98		-4.50		30	Pass
HT20	MCS0	2	140	5700	16.05	16.30	19.19	23.98		-4.50		30	Pass
HT40	MCS0	2	102	5510	15.95	15.80	18.89	23.98		-4.50		30	Pass
HT40	MCS0	2	110	5550	19.45	19.60	22.54	23.98		-4.50		30	Pass
HT40	MCS0	2	134	5670	19.55	19.70	22.64	23.98		-4.50		30	Pass
VHT20	MCS0	2	100	5500	19.05	19.10	22.09	23.98		-4.50		30	Pass
VHT20	MCS0	2	116	5580	20.55	20.80	23.69	23.98		-4.50		30	Pass
VHT20	MCS0	2	140	5700	16.05	16.30	19.19	23.98		-4.50		30	Pass
VHT40	MCS0	2	102	5510	15.95	15.80	18.89	23.98		-4.50		30	Pass
VHT40	MCS0	2	110	5550	19.45	19.60	22.54	23.98		-4.50		30	Pass
VHT40	MCS0	2	134	5670	19.55	19.70	22.64	23.98		-4.50		30	Pass
VHT80	MCS0	2	106	5530	16.75	16.70	19.74	23.98		-4.50		30	Pass
VHT80	MCS0	2	122	5610	19.35	19.70	22.54	23.98		-4.50		30	Pass
VHT160	MCS0	2	114	5570	16.05	15.80	18.94	23.98		-4.50		30	Pass

FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	144	5720	19.55	19.60	22.59	23.54		-4.50		30	Pass
HT20	MCS0	2	144	5720	20.35	20.70	23.54	23.98		-4.50		30	Pass
HT40	MCS0	2	142	5710	19.75	19.80	22.79	23.98		-4.50		30	Pass
VHT20	MCS0	2	144	5720	20.35	20.70	23.54	23.98		-4.50		30	Pass
VHT40	MCS0	2	142	5710	19.75	19.80	22.79	23.98		-4.50		30	Pass
VHT80	MCS0	2	138	5690	19.65	19.90	22.79	23.98		-4.50		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	100	5500	0.27	0.30	-		10.62	11.00		-1.83		-	Pass
11a	6Mbps	2	116	5580	0.27	0.30			10.55	11.00		-1.83			Pass
11a	6Mbps	2	140	5700	0.27	0.30			7.30	11.00		-1.83			Pass

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	144	5720	0.27	0.30	-		10.90	11.00		-1.83		-	Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	36	5180	Full	18.15	18.80	21.50	24.00		-4.00			Pass
HE20	MCS0	2	36	5180	26/0	9.35	9.30	12.34	24.00		-4.00			Pass
HE20	MCS0	2	36	5180	52/37	11.65	12.10	14.89	24.00		-4.00			Pass
HE20	MCS0	2	36	5180	106/53	14.75	15.30	18.04	24.00		-4.00			Pass
HE20	MCS0	2	44	5220	Full	20.35	20.60	23.49	24.00		-4.00			Pass
HE20	MCS0	2	44	5220	26/4	12.05	12.10	15.09	24.00		-4.00			Pass
HE20	MCS0	2	44	5220	52/38	13.55	13.90	16.74	24.00		-4.00			Pass
HE20	MCS0	2	44	5220	106/53	16.45	17.00	19.74	24.00		-4.00		-	Pass
HE20	MCS0	2	48	5240	Full	20.25	20.60	23.44	24.00		-4.00			Pass
HE20	MCS0	2	48	5240	26/8	11.05	11.20	14.14	24.00		-4.00			Pass
HE20	MCS0	2	48	5240	52/40	13.75	13.90	16.84	24.00		-4.00			Pass
HE20	MCS0	2	48	5240	106/54	16.15	16.60	19.39	24.00		-4.00			Pass
HE40	MCS0	2	38	5190	Full	15.75	16.50	19.15	24.00		-4.00			Pass
HE40	MCS0	2	46	5230	Full	18.95	19.70	22.35	24.00		-4.00			Pass
HE80	MCS0	2	42	5210	Full	16.05	16.50	19.29	24.00		-4.00			Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	52	5260	Full	19.65	19.90	22.79	23.98		-3.90		30	Pass
HE20	MCS0	2	52	5260	26/0	10.85	12.20	14.59	23.98		-3.90		30	Pass
HE20	MCS0	2	52	5260	52/37	13.15	13.60	16.39	23.98		-3.90		30	Pass
HE20	MCS0	2	52	5260	106/53	16.15	16.50	19.34	23.98		-3.90		30	Pass
HE20	MCS0	2	60	5300	Full	19.85	20.00	22.94	23.98		-3.90		30	Pass
HE20	MCS0	2	60	5300	26/4	11.55	11.90	14.74	23.98		-3.90		30	Pass
HE20	MCS0	2	60	5300	52/38	13.35	13.70	16.54	23.98		-3.90		30	Pass
HE20	MCS0	2	60	5300	106/53	16.35	16.60	19.49	23.98		-3.90		30	Pass
HE20	MCS0	2	64	5320	Full	18.25	18.30	21.29	23.98		-3.90		30	Pass
HE20	MCS0	2	64	5320	26/8	8.85	9.00	11.94	23.98		-3.90		30	Pass
HE20	MCS0	2	64	5320	52/40	11.65	12.10	14.89	23.98		-3.90		30	Pass
HE20	MCS0	2	64	5320	106/54	14.95	15.40	18.19	23.98		-3.90		30	Pass
HE40	MCS0	2	54	5270	Full	19.65	19.90	22.79	23.98		-3.90		30	Pass
HE40	MCS0	2	62	5310	Full	15.85	16.30	19.09	23.98		-3.90		30	Pass
HE80	MCS0	2	58	5290	Full	15.35	15.50	18.44	23.98		-3.90		30	Pass
HE160	MCS0	2	50	5250	Full	13.55	14.50	17.06	23.98		-3.90		30	Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	100	5500	Full	19.05	19.10	22.09	23.98		-4.50		30	Pass
HE20	MCS0	2	100	5500	26/0	9.85	11.30	13.65	23.98		-4.50		30	Pass
HE20	MCS0	2	100	5500	52/37	12.55	13.20	15.90	23.98		-4.50		30	Pass
HE20	MCS0	2	100	5500	106/53	15.65	16.00	18.84	23.98		-4.50		30	Pass
HE20	MCS0	2	116	5580	Full	20.55	20.80	23.69	23.98		-4.50		30	Pass
HE20	MCS0	2	116	5580	26/4	12.15	12.70	15.44	23.98		-4.50		30	Pass
HE20	MCS0	2	116	5580	52/38	13.65	14.10	16.89	23.98		-4.50		30	Pass
HE20	MCS0	2	116	5580	106/53	16.95	17.40	20.19	23.98		-4.50		30	Pass
HE20	MCS0	2	140	5700	Full	16.05	16.30	19.19	23.98		-4.50		30	Pass
HE20	MCS0	2	140	5700	26/8	6.05	7.00	9.56	23.98		-4.50		30	Pass
HE20	MCS0	2	140	5700	52/40	9.45	10.40	12.96	23.98		-4.50		30	Pass
HE20	MCS0	2	140	5700	106/54	12.05	12.60	15.34	23.98		-4.50		30	Pass
HE40	MCS0	2	102	5510	Full	15.95	15.80	18.89	23.98		-4.50		30	Pass
HE40	MCS0	2	110	5550	Full	19.45	19.60	22.54	23.98		-4.50		30	Pass
HE40	MCS0	2	134	5670	Full	19.55	19.70	22.64	23.98		-4.50		30	Pass
HE80	MCS0	2	106	5530	Full	16.75	16.70	19.74	23.98		-4.50		30	Pass
HE80	MCS0	2	122	5610	Full	19.35	19.70	22.54	23.98		-4.50		30	Pass
HE160	MCS0	2	114	5570	Full	16.05	15.80	18.94	23.98		-4.50		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
HE20	MCS0	2	144	5720	Full	20.35	20.70	23.54	23.98		-4.50		30	Pass
HE20	MCS0	2	144	5720	26/8	10.95	11.30	14.14	23.98		-4.50		30	Pass
HE20	MCS0	2	144	5720	52/40	13.75	14.10	16.94	23.98		-4.50		30	Pass
HE20	MCS0	2	144	5720	106/54	16.75	16.90	19.84	23.98		-4.50		30	Pass
HE40	MCS0	2	142	5710	Full	19.75	19.80	22.79	23.98		-4.50		30	Pass
HE80	MCS0	2	138	5690	Full	19.65	19.90	22.79	23.98		-4.50		30	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4		
EHT20	MCS0	2	36	5180	Full	19.23	19.28	25.92	26.70	-		22.84		-	-
EHT20	MCS0	2	44	5220	Full	19.43	19.53	31.14	38.94	-		22.88			
EHT20	MCS0	2	48	5240	Full	19.43	19.48	34.14	38.22	-		22.88			
EHT40	MCS0	2	38	5190	Full	37.96	37.86	39.96	40.08	-		23.01			
EHT40	MCS0	2	46	5230	Full	38.06	38.16	40.20	41.52	-		23.01			
EHT80	MCS0	2	42	5210	Full	77.20	77.20	82.32	82.32	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
EHT20	MCS0	2	36	5180	Full	18.25	18.90	21.60	24.00		-4.00			Pass
EHT20	MCS0	2	36	5180	26/0	9.45	9.40	12.44	24.00		-4.00			Pass
EHT20	MCS0	2	36	5180	52/37	11.75	12.20	14.99	24.00		-4.00			Pass
EHT20	MCS0	2	36	5180	106/53	14.85	15.40	18.14	24.00		-4.00			Pass
EHT20	MCS0	2	36	5180	52T+26T/70	14.05	14.10	17.09	24.00		-4.00			Pass
EHT20	MCS0	2	36	5180	106T+26T/82	16.25	16.80	19.54	24.00		-4.00			Pass
EHT20	MCS0	2	44	5220	Full	20.45	20.70	23.59	24.00		-4.00			Pass
EHT20	MCS0	2	44	5220	26/4	12.15	12.20	15.19	24.00		-4.00			Pass
EHT20	MCS0	2	44	5220	52/38	13.65	14.00	16.84	24.00		-4.00			Pass
EHT20	MCS0	2	44	5220	106/53	16.55	17.10	19.84	24.00		-4.00			Pass
EHT20	MCS0	2	44	5220	52T+26T/71	15.75	15.90	18.84	24.00		-4.00			Pass
EHT20	MCS0	2	44	5220	106T+26T/83	18.05	18.30	21.19	24.00		-4.00		-	Pass
EHT20	MCS0	2	48	5240	Full	20.35	20.70	23.54	24.00		-4.00			Pass
EHT20	MCS0	2	48	5240	26/8	11.15	11.30	14.24	24.00		-4.00			Pass
EHT20	MCS0	2	48	5240	52/40	13.85	14.00	16.94	24.00		-4.00			Pass
EHT20	MCS0	2	48	5240	106/54	16.25	16.70	19.49	24.00		-4.00			Pass
EHT20	MCS0	2	48	5240	52T+26T/72	15.45	15.90	18.69	24.00		-4.00			Pass
EHT20	MCS0	2	48	5240	106T+26T/83	17.65	17.80	20.74	24.00		-4.00			Pass
EHT40	MCS0	2	38	5190	Full	15.85	16.60	19.25	24.00		-4.00			Pass
EHT40	MCS0	2	46	5230	Full	19.05	19.80	22.45	24.00		-4.00			Pass
EHT80	MCS0	2	42	5210	Full	16.15	16.60	19.39	24.00		-4.00			Pass
EHT80	MCS0	2	42	5210	Puncture 20/8	14.85	15.10	17.99	24.00		-4.00			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
EHT20	MCS0	2	36	5180	Full	0.18	0.18			9.17	11.00		-1.04			Pass
EHT20	MCS0	2	36	5180	26/0	0.48	0.48			9.15	11.00		-1.04			Pass
EHT20	MCS0	2	36	5180	52/37	0.52	0.53			8.88	11.00		-1.04			Pass
EHT20	MCS0	2	36	5180	106/53	0.59	0.53			8.93	11.00		-1.04			Pass
EHT20	MCS0	2	36	5180	52T+26T/70	0.26	0.24			8.84	11.00		-1.04			Pass
EHT20	MCS0	2	36	5180	106T+26T/82	0.40	0.40			9.05	11.00		-1.04			Pass
EHT20	MCS0	2	44	5220	Full	0.18	0.18			10.96	11.00		-1.04			Pass
EHT20	MCS0	2	44	5220	26/4	0.48	0.48			10.68	11.00		-1.04			Pass
EHT20	MCS0	2	44	5220	52/38	0.52	0.53			10.57	11.00		-1.04			Pass
EHT20	MCS0	2	44	5220	106/53	0.59	0.53			10.93	11.00		-1.04			Pass
EHT20	MCS0	2	44	5220	52T+26T/71	0.26	0.24			10.56	11.00		-1.04			Pass
EHT20	MCS0	2	44	5220	106T+26T/83	0.40	0.40	-		10.94	11.00		-1.04		-	Pass
EHT20	MCS0	2	48	5240	Full	0.18	0.18			10.89	11.00		-1.04			Pass
EHT20	MCS0	2	48	5240	26/8	0.48	0.48			10.78	11.00		-1.04			Pass
EHT20	MCS0	2	48	5240	52/40	0.52	0.53			10.84	11.00		-1.04			Pass
EHT20	MCS0	2	48	5240	106/54	0.59	0.53			10.52	11.00		-1.04			Pass
EHT20	MCS0	2	48	5240	52T+26T/72	0.26	0.24			10.63	11.00		-1.04			Pass
EHT20	MCS0	2	48	5240	106T+26T/83	0.40	0.40			10.39	11.00		-1.04			Pass
EHT40	MCS0	2	38	5190	Full	0.33	0.33			3.88	11.00		-1.04			Pass
EHT40	MCS0	2	46	5230	Full	0.33	0.33			7.23	11.00		-1.04			Pass
EHT80	MCS0	2	42	5210	Full	0.43	0.43			0.86	11.00		-1.04			Pass
EHT80	MCS0	2	42	5210	Puncture 20/8	0.32	0.32			0.50	11.00		-1.04			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	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)		Note
						Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	
EHT20	MCS0	2	52	5260	Full	19.38	19.43	33.66	31.80	23.87		29.87		23.98		
EHT20	MCS0	2	60	5300	Full	19.38	19.53	30.78	34.32	23.87		29.87		23.98		
EHT20	MCS0	2	64	5320	Full	19.23	19.33	22.50	25.08	23.84		29.84		23.98		
EHT40	MCS0	2	54	5270	Full	38.16	38.26	41.40	45.60	23.98		30.00		23.98		-
EHT40	MCS0	2	62	5310	Full	37.86	37.86	40.20	39.96	23.98		30.00		23.98		
EHT80	MCS0	2	58	5290	Full	77.32	77.20	82.56	82.08	23.98		30.00		23.98		
EHT160	MCS0	2	50	5250	Full	157.52	157.28	166.56	167.52	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
EHT20	MCS0	2	52	5260	Full	19.75	20.00	22.89	23.98		-3.90		30	Pass
EHT20	MCS0	2	52	5260	26/0	10.95	12.30	14.69	23.98		-3.90		30	Pass
EHT20	MCS0	2	52	5260	52/37	13.25	13.70	16.49	23.98		-3.90		30	Pass
EHT20	MCS0	2	52	5260	106/53	16.25	16.60	19.44	23.98		-3.90		30	Pass
EHT20	MCS0	2	52	5260	52T+26T/70	15.15	15.30	18.24	23.98		-3.90		30	Pass
EHT20	MCS0	2	52	5260	106T+26T/82	17.45	17.80	20.64	23.98		-3.90		30	Pass
EHT20	MCS0	2	60	5300	Full	19.95	20.10	23.04	23.98		-3.90		30	Pass
EHT20	MCS0	2	60	5300	26/4	11.65	12.00	14.84	23.98		-3.90		30	Pass
EHT20	MCS0	2	60	5300	52/38	13.45	13.80	16.64	23.98		-3.90		30	Pass
EHT20	MCS0	2	60	5300	106/53	16.45	16.70	19.59	23.98		-3.90		30	Pass
EHT20	MCS0	2	60	5300	52T+26T/71	15.25	15.60	18.44	23.98		-3.90		30	Pass
EHT20	MCS0	2	60	5300	106T+26T/83	17.65	18.00	20.84	23.98		-3.90		30	Pass
EHT20	MCS0	2	64	5320	Full	18.35	18.40	21.39	23.98		-3.90		30	Pass
EHT20	MCS0	2	64	5320	26/8	8.95	9.10	12.04	23.98		-3.90		30	Pass
EHT20	MCS0	2	64	5320	52/40	11.75	12.20	14.99	23.98		-3.90		30	Pass
EHT20	MCS0	2	64	5320	106/54	15.05	15.50	18.29	23.98		-3.90		30	Pass
EHT20	MCS0	2	64	5320	52T+26T/72	14.05	14.30	17.19	23.98		-3.90		30	Pass
EHT20	MCS0	2	64	5320	106T+26T/83	16.15	16.30	19.24	23.98		-3.90		30	Pass
EHT40	MCS0	2	54	5270	Full	19.75	20.00	22.89	23.98		-3.90		30	Pass
EHT40	MCS0	2	62	5310	Full	15.95	16.40	19.19	23.98		-3.90		30	Pass
EHT80	MCS0	2	58	5290	Full	15.45	15.60	18.54	23.98		-3.90		30	Pass
EHT80	MCS0	2	58	5290	Puncture 20/1	14.15	14.45	17.31	23.98		-3.90		30	Pass
EHT160	MCS0	2	50	5250	Full	13.65	14.60	17.16	23.98		-3.90		30	Pass
EHT160	MCS0	2	50	5250	Puncture40/19	12.65	13.20	15.94	23.98		-3.90		30	Pass
EHT160	MCS0	2	50	5250	Puncture20/12	13.25	13.70	16.49	23.98		-3.90		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
EHT20	MCS0	2	52	5260	Full	0.18	0.18			10.55	11.00		-1.47			Pass
EHT20	MCS0	2	52	5260	26/0	0.48	0.48			10.47	11.00		-1.47			Pass
EHT20	MCS0	2	52	5260	52/37	0.52	0.53			10.21	11.00		-1.47			Pass
EHT20	MCS0	2	52	5260	106/53	0.59	0.53			10.09	11.00		-1.47			Pass
EHT20	MCS0	2	52	5260	52T+26T/70	0.26	0.24			10.19	11.00		-1.47			Pass
EHT20	MCS0	2	52	5260	106T+26T/82	0.40	0.40			10.34	11.00		-1.47			Pass
EHT20	MCS0	2	60	5300	Full	0.18	0.18			10.72	11.00		-1.47			Pass
EHT20	MCS0	2	60	5300	26/4	0.48	0.48			10.38	11.00		-1.47			Pass
EHT20	MCS0	2	60	5300	52/38	0.52	0.53			10.40	11.00		-1.47			Pass
EHT20	MCS0	2	60	5300	106/53	0.59	0.53			10.22	11.00		-1.47			Pass
EHT20	MCS0	2	60	5300	52T+26T/71	0.26	0.24			10.44	11.00		-1.47			Pass
EHT20	MCS0	2	60	5300	106T+26T/83	0.40	0.40			10.55	11.00		-1.47			Pass
EHT20	MCS0	2	64	5320	Full	0.18	0.18	-		9.11	11.00		-1.47		-	Pass
EHT20	MCS0	2	64	5320	26/8	0.48	0.48			8.73	11.00		-1.47			Pass
EHT20	MCS0	2	64	5320	52/40	0.52	0.53			8.76	11.00		-1.47			Pass
EHT20	MCS0	2	64	5320	106/54	0.59	0.53			9.01	11.00		-1.47			Pass
EHT20	MCS0	2	64	5320	52T+26T/72	0.26	0.24			9.05	11.00		-1.47			Pass
EHT20	MCS0	2	64	5320	106T+26T/83	0.40	0.40			8.94	11.00		-1.47			Pass
EHT40	MCS0	2	54	5270	Full	0.33	0.33			7.42	11.00		-1.47			Pass
EHT40	MCS0	2	62	5310	Full	0.33	0.33			3.58	11.00		-1.47			Pass
EHT80	MCS0	2	58	5290	Full	0.43	0.43			0.01	11.00		-1.47			Pass
EHT80	MCS0	2	58	5290	Puncture 20/1	0.32	0.32			-0.26	11.00		-1.47			Pass
EHT160	MCS0	2	50	5250	Full	0.64	0.64			-4.34	11.00		-1.47			Pass
EHT160	MCS0	2	50	5250	Puncture40/192	0.55	0.49			-4.81	11.00		-1.47			Pass
EHT160	MCS0	2	50	5250	Puncture20/128	0.57	0.57			-4.85	11.00		-1.47			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	N_{TX}	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)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
EHT20	MCS0	2	100	5500	Full	19.33	19.23	25.38	26.70	23.84		29.84		23.98		----	----
EHT20	MCS0	2	116	5580	Full	19.43	19.48	33.66	35.46	23.88		29.88		23.98		----	----
EHT20	MCS0	2	140	5700	Full	19.18	19.13	21.84	21.72	23.82		29.82		23.98		----	----
EHT40	MCS0	2	102	5510	Full	37.96	37.96	40.08	39.96	23.98		30.00		23.98		----	----
EHT40	MCS0	2	110	5550	Full	38.06	38.06	42.48	39.84	23.98		30.00		23.98		----	----
EHT40	MCS0	2	134	5670	Full	38.16	38.06	40.68	41.16	23.98		30.00		23.98		----	----
EHT80	MCS0	2	106	5530	Full	77.32	77.20	83.04	82.32	23.98		30.00		23.98		----	----
EHT80	MCS0	2	122	5610	Full	77.44	77.44	85.92	87.12	23.98		30.00		23.98		----	----
EHT160	MCS0	2	114	5570	Full	157.28	157.28	167.04	168.48	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	N_{TX}	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)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4
EHT20	MCS0	2	144	5720	Full	14.69	14.69	20.54	22.40	22.67		28.67		23.98		4.6	4.55
EHT40	MCS0	2	142	5710	Full	33.98	34.08	34.92	35.52	23.98		30.00		23.98		3.99	3.81
EHT80	MCS0	2	138	5690	Full	73.60	73.72	90.20	93.08	23.98		30.00		23.98		4.2	4.04

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
EHT20	MCS0	2	100	5500	Full	19.15	19.20	22.19	23.98		-4.50		30	Pass
EHT20	MCS0	2	100	5500	26/0	9.95	11.40	13.75	23.98		-4.50		30	Pass
EHT20	MCS0	2	100	5500	52/37	12.65	13.30	16.00	23.98		-4.50		30	Pass
EHT20	MCS0	2	100	5500	106/53	15.75	16.10	18.94	23.98		-4.50		30	Pass
EHT20	MCS0	2	100	5500	52T+26T/70	14.25	14.60	17.44	23.98		-4.50		30	Pass
EHT20	MCS0	2	100	5500	106T+26T/82	16.95	17.00	19.99	23.98		-4.50		30	Pass
EHT20	MCS0	2	116	5580	Full	20.65	20.90	23.79	23.98		-4.50		30	Pass
EHT20	MCS0	2	116	5580	26/4	12.25	12.80	15.54	23.98		-4.50		30	Pass
EHT20	MCS0	2	116	5580	52/38	13.75	14.20	16.99	23.98		-4.50		30	Pass
EHT20	MCS0	2	116	5580	106/53	17.05	17.50	20.29	23.98		-4.50		30	Pass
EHT20	MCS0	2	116	5580	52T+26T/71	15.85	16.10	18.99	23.98		-4.50		30	Pass
EHT20	MCS0	2	116	5580	106T+26T/83	17.95	18.10	21.04	23.98		-4.50		30	Pass
EHT20	MCS0	2	140	5700	Full	16.15	16.40	19.29	23.98		-4.50		30	Pass
EHT20	MCS0	2	140	5700	26/8	6.15	7.10	9.66	23.98		-4.50		30	Pass
EHT20	MCS0	2	140	5700	52/40	9.55	10.50	13.06	23.98		-4.50		30	Pass
EHT20	MCS0	2	140	5700	106/54	12.15	12.70	15.44	23.98		-4.50		30	Pass
EHT20	MCS0	2	140	5700	52T+26T/72	11.35	11.80	14.59	23.98		-4.50		30	Pass
EHT20	MCS0	2	140	5700	106T+26T/83	13.65	13.50	16.59	23.98		-4.50		30	Pass
EHT40	MCS0	2	102	5510	Full	16.05	15.90	18.99	23.98		-4.50		30	Pass
EHT40	MCS0	2	110	5550	Full	19.55	19.70	22.64	23.98		-4.50		30	Pass
EHT40	MCS0	2	134	5670	Full	19.65	19.80	22.74	23.98		-4.50		30	Pass
EHT80	MCS0	2	106	5530	Full	16.85	16.80	19.84	23.98		-4.50		30	Pass
EHT80	MCS0	2	106	5530	Puncture 20/8	15.85	15.70	18.79	23.98		-4.50		30	Pass
EHT80	MCS0	2	122	5610	Full	19.45	19.80	22.64	23.98		-4.50		30	Pass
EHT80	MCS0	2	122	5610	Puncture 20/4	18.55	18.50	21.54	23.98		-4.50		30	Pass
EHT80	MCS0	2	122	5610	Puncture 20/2	18.55	18.40	21.49	23.98		-4.50		30	Pass
EHT160	MCS0	2	114	5570	Full	16.15	15.90	19.04	23.98		-4.50		30	Pass
EHT160	MCS0	2	114	5570	Puncture40/3	15.05	15.20	18.14	23.98		-4.50		30	Pass
EHT160	MCS0	2	114	5570	Puncture20/1	15.25	15.20	18.24	23.98		-4.50		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
EHT20	MCS0	2	144	5720	Full	20.45	20.80	23.64	23.98		-4.50		30	Pass
EHT20	MCS0	2	144	5720	26/8	11.05	11.40	14.24	23.98		-4.50		30	Pass
EHT20	MCS0	2	144	5720	52/40	13.85	14.20	17.04	23.98		-4.50		30	Pass
EHT20	MCS0	2	144	5720	106/54	16.85	17.00	19.94	23.98		-4.50		30	Pass
EHT20	MCS0	2	144	5720	52T+26T/72	15.55	15.60	18.59	23.98		-4.50		30	Pass
EHT20	MCS0	2	144	5720	106T+26T/83	17.95	18.20	21.09	23.98		-4.50		30	Pass
EHT40	MCS0	2	142	5710	Full	19.85	19.90	22.89	23.98		-4.50		30	Pass
EHT80	MCS0	2	138	5690	Full	19.75	20.00	22.89	23.98		-4.50		30	Pass
EHT80	MCS0	2	138	5690	Puncture 20/1	18.75	18.90	21.84	23.98		-4.50		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
EHT20	MCS0	2	100	5500	Full	0.18	0.18			9.56	11.00		-1.83			Pass
EHT20	MCS0	2	100	5500	26/0	0.48	0.48			9.39	11.00		-1.83			Pass
EHT20	MCS0	2	100	5500	52/37	0.52	0.53			9.52	11.00		-1.83			Pass
EHT20	MCS0	2	100	5500	106/53	0.59	0.53			9.41	11.00		-1.83			Pass
EHT20	MCS0	2	100	5500	52T+26T/70	0.26	0.24			9.12	11.00		-1.83			Pass
EHT20	MCS0	2	100	5500	106T+26T/82	0.40	0.40			9.20	11.00		-1.83			Pass
EHT20	MCS0	2	116	5580	Full	0.18	0.18			10.99	11.00		-1.83			Pass
EHT20	MCS0	2	116	5580	26/4	0.48	0.48			10.82	11.00		-1.83			Pass
EHT20	MCS0	2	116	5580	52/38	0.52	0.53			10.47	11.00		-1.83			Pass
EHT20	MCS0	2	116	5580	106/53	0.59	0.53			10.80	11.00		-1.83			Pass
EHT20	MCS0	2	116	5580	52T+26T/71	0.26	0.24			10.65	11.00		-1.83			Pass
EHT20	MCS0	2	116	5580	106T+26T/83	0.40	0.40			10.64	11.00		-1.83			Pass
EHT20	MCS0	2	140	5700	Full	0.18	0.18			6.40	11.00		-1.83			Pass
EHT20	MCS0	2	140	5700	26/8	0.48	0.48			6.05	11.00		-1.83			Pass
EHT20	MCS0	2	140	5700	52/40	0.52	0.53	-		6.13	11.00		-1.83		-	Pass
EHT20	MCS0	2	140	5700	106/54	0.59	0.53			6.08	11.00		-1.83			Pass
EHT20	MCS0	2	140	5700	52T+26T/72	0.26	0.24			6.32	11.00		-1.83			Pass
EHT20	MCS0	2	140	5700	106T+26T/83	0.40	0.40			6.18	11.00		-1.83			Pass
EHT40	MCS0	2	102	5510	Full	0.33	0.33			3.07	11.00		-1.83			Pass
EHT40	MCS0	2	110	5550	Full	0.33	0.33			7.07	11.00		-1.83			Pass
EHT40	MCS0	2	134	5670	Full	0.33	0.33			6.86	11.00		-1.83			Pass
EHT80	MCS0	2	106	5530	Full	0.43	0.43			1.19	11.00		-1.83			Pass
EHT80	MCS0	2	106	5530	Puncture 20/8	0.32	0.32			1.01	11.00		-1.83			Pass
EHT80	MCS0	2	122	5610	Full	0.43	0.43			4.05	11.00		-1.83			Pass
EHT80	MCS0	2	106	5530	Puncture 20/4	0.32	0.32			3.87	11.00		-1.83			Pass
EHT80	MCS0	2	106	5530	Puncture 20/2	0.32	0.32			3.95	11.00		-1.83			Pass
EHT160	MCS0	2	114	5570	Full	0.64	0.64			-2.52	11.00		-1.83			Pass
EHT160	MCS0	2	114	5570	Puncture40/3	0.55	0.57			-2.62	11.00		-1.83			Pass
EHT160	MCS0	2	114	5570	Puncture20/1	0.57	0.00			-2.55	11.00		-1.83			Pass

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4		
EHT20	MCS0	2	144	5720	Full	0.18	0.18			10.72	11.00		-1.83			Pass
EHT20	MCS0	2	144	5720	26/8	0.48	0.48			10.67	11.00		-1.83			Pass
EHT20	MCS0	2	144	5720	52/40	0.52	0.53			10.52	11.00		-1.83			Pass
EHT20	MCS0	2	144	5720	106/54	0.59	0.53			10.54	11.00		-1.83			Pass
EHT20	MCS0	2	144	5720	52T+26T/72	0.26	0.24	-		10.36	11.00		-1.83		-	Pass
EHT20	MCS0	2	144	5720	106T+26T/83	0.40	0.40			10.43	11.00		-1.83			Pass
EHT40	MCS0	2	142	5710	Full	0.33	0.33			6.95	11.00		-1.83			Pass
EHT80	MCS0	2	138	5690	Full	0.64	0.64			4.64	11.00		-1.83			Pass
EHT80	MCS0	2	138	5690	Puncture 20/1	0.32	0.32			4.41	11.00		-1.83			Pass

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

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4		
11a	6Mbps	2	149	5745	18.13	17.78	36.90	32.76	16.45	16.45	0.5	Pass
11a	6Mbps	2	157	5785	18.03	17.73	32.82	32.28	16.40	16.40	0.5	Pass
11a	6Mbps	2	165	5825	18.08	17.83	33.36	33.96	16.50	16.50	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4	
11a	6Mbps	2	149	5745	20.85	20.80	23.84	30.00		-3.90		Pass
11a	6Mbps	2	157	5785	20.85	20.80	23.84	30.00		-3.90		Pass
11a	6Mbps	2	165	5825	20.75	20.40	23.59	30.00		-3.90		Pass
HT20	MCS0	2	149	5745	20.55	20.50	23.54	30.00		-3.90		Pass
HT20	MCS0	2	157	5785	20.75	20.50	23.64	30.00		-3.90		Pass
HT20	MCS0	2	165	5825	20.55	20.20	23.39	30.00		-3.90		Pass
HT40	MCS0	2	151	5755	19.85	19.80	22.84	30.00		-3.90		Pass
HT40	MCS0	2	159	5795	19.75	19.80	22.79	30.00		-3.90		Pass
VHT20	MCS0	2	149	5745	20.55	20.50	23.54	30.00		-3.90		Pass
VHT20	MCS0	2	157	5785	20.75	20.50	23.64	30.00		-3.90		Pass
VHT20	MCS0	2	165	5825	20.55	20.20	23.39	30.00		-3.90		Pass
VHT40	MCS0	2	151	5755	19.85	19.80	22.84	30.00		-3.90		Pass
VHT40	MCS0	2	159	5795	19.75	19.80	22.79	30.00		-3.90		Pass
VHT80	MCS0	2	155	5775	19.65	19.00	22.35	30.00		-3.90		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4	
11a	6Mbps	2	149	5745	0.27	0.30	2.22		6.05	6.09	9.10	30.00		-0.94		Pass
11a	6Mbps	2	157	5785	0.27	0.30	2.22		6.44	6.17	9.45	30.00		-0.94		Pass
11a	6Mbps	2	165	5825	0.27	0.30	2.22		6.07	5.94	9.08	30.00		-0.94		Pass

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

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4	
HE20	MCS0	2	149	5745	Full	20.55	20.50	23.54	30.00		-3.90		Pass
HE20	MCS0	2	149	5745	26/0	11.25	11.20	14.24	30.00		-3.90		Pass
HE20	MCS0	2	149	5745	52/37	14.35	14.40	17.39	30.00		-3.90		Pass
HE20	MCS0	2	149	5745	106/53	17.15	16.90	20.04	30.00		-3.90		Pass
HE20	MCS0	2	157	5785	Full	20.75	20.50	23.64	30.00		-3.90		Pass
HE20	MCS0	2	157	5785	26/4	11.55	11.40	14.49	30.00		-3.90		Pass
HE20	MCS0	2	157	5785	52/38	14.25	14.20	17.24	30.00		-3.90		Pass
HE20	MCS0	2	157	5785	106/53	17.25	17.00	20.14	30.00		-3.90		Pass
HE20	MCS0	2	165	5825	Full	20.55	20.20	23.39	30.00		-3.90		Pass
HE20	MCS0	2	165	5825	26/8	10.85	10.70	13.79	30.00		-3.90		Pass
HE20	MCS0	2	165	5825	52/40	14.05	13.70	16.89	30.00		-3.90		Pass
HE20	MCS0	2	165	5825	106/54	17.15	16.90	20.04	30.00		-3.90		Pass
HE40	MCS0	2	151	5755	Full	19.85	19.80	22.84	30.00		-3.90		Pass
HE40	MCS0	2	159	5795	Full	19.75	19.80	22.79	30.00		-3.90		Pass
HE80	MCS0	2	155	5775	Full	19.65	19.00	22.35	30.00		-3.90		Pass

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

U-NII-3 MIMO													
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 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4		
EHT20	MCS0	2	149	5745	Full	19.43	19.38	35.88	30.60	19.15	19.05	0.5	Pass
EHT20	MCS0	2	157	5785	Full	19.48	19.48	35.52	36.96	19.15	19.10	0.5	Pass
EHT20	MCS0	2	165	5825	Full	19.43	19.38	30.48	32.70	19.10	19.05	0.5	Pass
EHT40	MCS0	2	151	5755	Full	38.16	38.06	41.88	40.56	37.89	37.71	0.5	Pass
EHT40	MCS0	2	159	5795	Full	38.16	38.06	40.56	41.28	37.80	37.62	0.5	Pass
EHT80	MCS0	2	155	5775	Full	77.32	77.32	85.92	82.56	78.24	77.44	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4	
EHT20	MCS0	2	149	5745	Full	20.65	20.60	23.64	30.00		-3.90		Pass
EHT20	MCS0	2	149	5745	26/0	11.35	11.30	14.34	30.00		-3.90		Pass
EHT20	MCS0	2	149	5745	52/37	14.45	14.50	17.49	30.00		-3.90		Pass
EHT20	MCS0	2	149	5745	106/53	17.25	17.00	20.14	30.00		-3.90		Pass
EHT20	MCS0	2	149	5745	52T+26T/70	16.15	15.90	19.04	30.00		-3.90		Pass
EHT20	MCS0	2	149	5745	106T+26T/82	18.55	18.30	21.44	30.00		-3.90		Pass
EHT20	MCS0	2	157	5785	Full	20.85	20.60	23.74	30.00		-3.90		Pass
EHT20	MCS0	2	157	5785	26/4	11.65	11.50	14.59	30.00		-3.90		Pass
EHT20	MCS0	2	157	5785	52/38	14.35	14.30	17.34	30.00		-3.90		Pass
EHT20	MCS0	2	157	5785	106/53	17.35	17.10	20.24	30.00		-3.90		Pass
EHT20	MCS0	2	157	5785	52T+26T/71	16.05	15.80	18.94	30.00		-3.90		Pass
EHT20	MCS0	2	157	5785	106T+26T/83	18.35	18.10	21.24	30.00		-3.90		Pass
EHT20	MCS0	2	165	5825	Full	20.65	20.30	23.49	30.00		-3.90		Pass
EHT20	MCS0	2	165	5825	26/8	10.95	10.80	13.89	30.00		-3.90		Pass
EHT20	MCS0	2	165	5825	52/40	14.15	13.80	16.99	30.00		-3.90		Pass
EHT20	MCS0	2	165	5825	106/54	17.25	17.00	20.14	30.00		-3.90		Pass
EHT20	MCS0	2	165	5825	52T+26T/72	16.05	15.80	18.94	30.00		-3.90		Pass
EHT20	MCS0	2	165	5825	106T+26T/83	18.35	18.00	21.19	30.00		-3.90		Pass
EHT40	MCS0	2	151	5755	Full	19.95	19.90	22.94	30.00		-3.90		Pass
EHT40	MCS0	2	159	5795	Full	19.85	19.90	22.89	30.00		-3.90		Pass
EHT80	MCS0	2	155	5775	Full	19.75	19.10	22.45	30.00		-3.90		Pass
EHT80	MCS0	2	155	5775	Puncture20/1	18.05	17.40	20.75	30.00		-3.90		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 3	Ant 4	Ant 3	Ant 4	SUM	Ant 3	Ant 4	Ant 3	Ant 4	
EHT20	MCS0	2	149	5745	Full	0.18	0.18	2.22		5.20	4.99	8.21	30.00		-0.94		Pass
EHT20	MCS0	2	149	5745	26/0	0.48	0.48	2.22		5.40	5.32	8.41	30.00		-0.94		Pass
EHT20	MCS0	2	149	5745	52/37	0.52	0.53	2.22		5.48	5.47	8.49	30.00		-0.94		Pass
EHT20	MCS0	2	149	5745	106/53	0.59	0.53	2.22		5.50	5.40	8.51	30.00		-0.94		Pass
EHT20	MCS0	2	149	5745	52T+26T/70	0.26	0.24	2.22		5.01	4.75	8.02	30.00		-0.94		Pass
EHT20	MCS0	2	149	5745	106T+26T/82	0.40	0.40	2.22		5.20	4.91	8.21	30.00		-0.94		Pass
EHT20	MCS0	2	157	5785	Full	0.18	0.18	2.22		5.33	4.99	8.34	30.00		-0.94		Pass
EHT20	MCS0	2	157	5785	26/4	0.48	0.48	2.22		5.46	5.37	8.47	30.00		-0.94		Pass
EHT20	MCS0	2	157	5785	52/38	0.52	0.53	2.22		5.47	5.49	8.50	30.00		-0.94		Pass
EHT20	MCS0	2	157	5785	106/53	0.59	0.53	2.22		5.58	5.30	8.59	30.00		-0.94		Pass
EHT20	MCS0	2	157	5785	52T+26T/71	0.26	0.24	2.22		4.95	4.72	7.96	30.00		-0.94		Pass
EHT20	MCS0	2	157	5785	106T+26T/83	0.40	0.40	2.22		5.18	4.81	8.19	30.00		-0.94		Pass
EHT20	MCS0	2	165	5825	Full	0.18	0.18	2.22		5.22	5.04	8.23	30.00		-0.94		Pass
EHT20	MCS0	2	165	5825	26/8	0.48	0.48	2.22		5.37	4.97	8.38	30.00		-0.94		Pass
EHT20	MCS0	2	165	5825	52/40	0.52	0.53	2.22		5.16	4.97	8.17	30.00		-0.94		Pass
EHT20	MCS0	2	165	5825	106/54	0.59	0.53	2.22		5.38	5.27	8.39	30.00		-0.94		Pass
EHT20	MCS0	2	165	5825	52T+26T/72	0.26	0.24	2.22		4.86	4.67	7.87	30.00		-0.94		Pass
EHT20	MCS0	2	165	5825	106T+26T/83	0.40	0.40	2.22		5.23	4.83	8.24	30.00		-0.94		Pass
EHT40	MCS0	2	151	5755	Full	0.33	0.33	2.22		1.67	1.22	4.68	30.00		-0.94		Pass
EHT40	MCS0	2	159	5795	Full	0.33	0.33	2.22		1.67	1.25	4.68	30.00		-0.94		Pass
EHT80	MCS0	2	155	5775	Full	0.43	0.43	2.22		-1.77	-2.29	1.24	30.00		-0.94		Pass
EHT80	MCS0	2	155	5775	Puncture20/1	0.32	0.32	2.22		-2.27	-2.72	0.74	30.00		-0.94		Pass

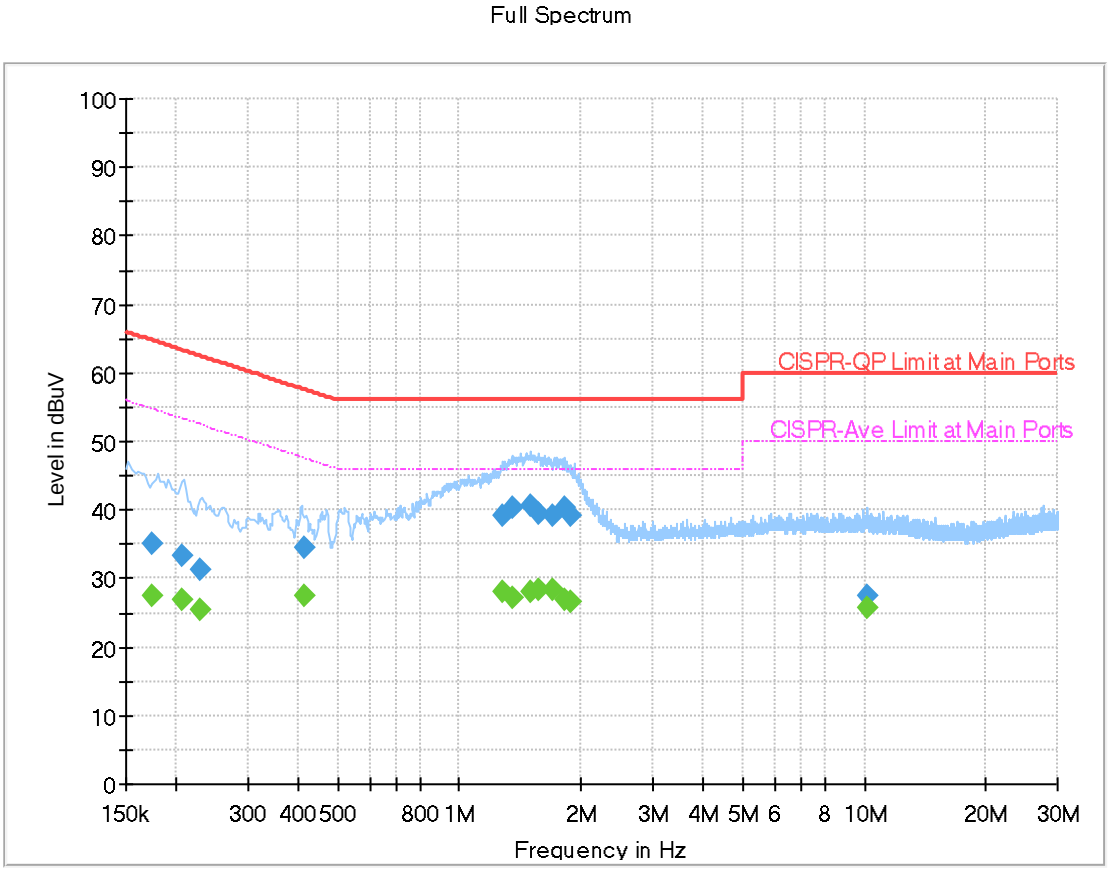
Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Calvin Wang	**Temperature :**	23~26℃
		Relative Humidity :	45~55%

EUT Information

Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



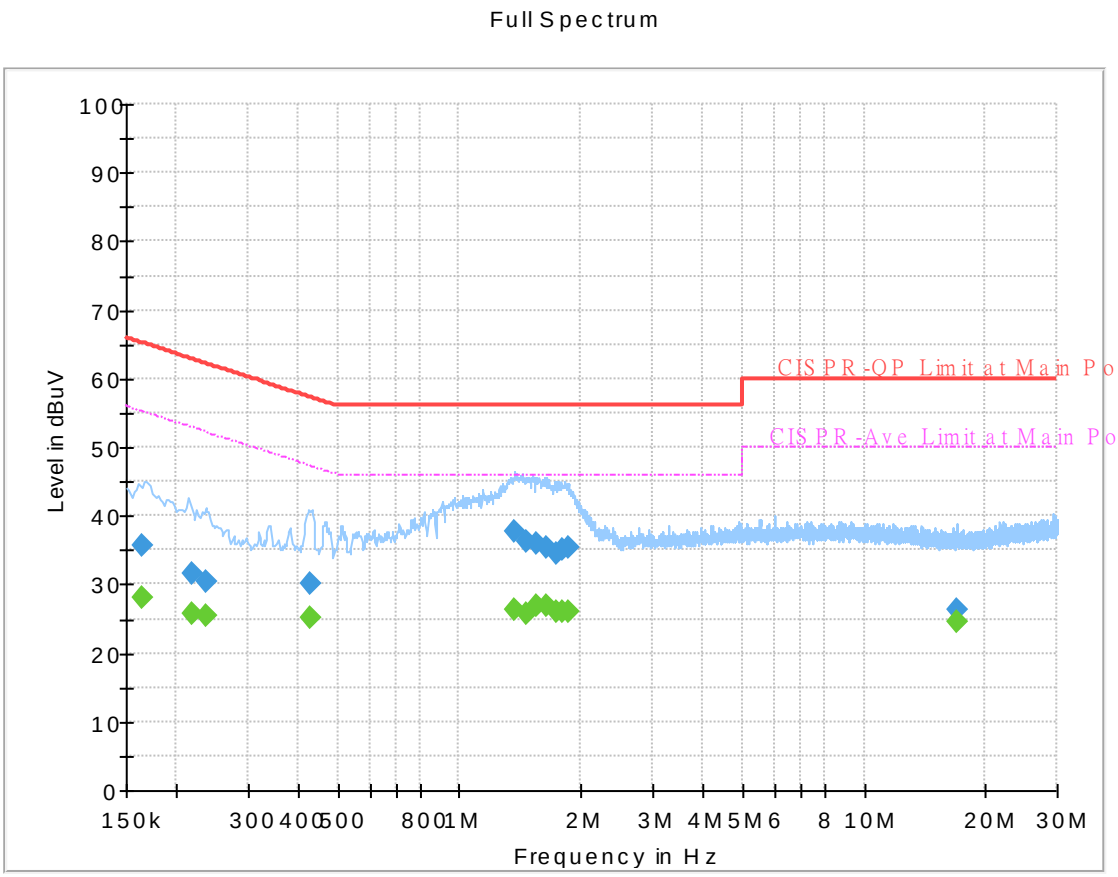
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.174750	---	27.51	54.73	27.22	L1	OFF	19.9
0.174750	35.11	---	64.73	29.62	L1	OFF	19.9
0.205530	---	26.76	53.38	26.62	L1	OFF	19.9
0.205530	33.47	---	63.38	29.91	L1	OFF	19.9
0.229110	---	25.51	52.48	26.97	L1	OFF	19.9
0.229110	31.23	---	62.48	31.25	L1	OFF	19.9
0.413250	---	27.58	47.58	20.00	L1	OFF	19.9
0.413250	34.49	---	57.58	23.09	L1	OFF	19.9
1.275000	---	27.95	46.00	18.05	L1	OFF	19.9
1.275000	39.18	---	56.00	16.82	L1	OFF	19.9
1.356000	---	27.08	46.00	18.92	L1	OFF	19.9
1.356000	40.20	---	56.00	15.80	L1	OFF	19.9
1.495050	---	28.02	46.00	17.98	L1	OFF	19.9
1.495050	40.72	---	56.00	15.28	L1	OFF	19.9
1.574160	---	28.47	46.00	17.53	L1	OFF	19.9
1.574160	39.53	---	56.00	16.47	L1	OFF	19.9
1.704750	---	28.34	46.00	17.66	L1	OFF	19.9
1.704750	39.10	---	56.00	16.90	L1	OFF	19.9
1.810500	---	27.04	46.00	18.96	L1	OFF	19.9
1.810500	40.33	---	56.00	15.67	L1	OFF	19.9
1.882500	---	26.59	46.00	19.41	L1	OFF	19.9

1.882500	**39.28**	**---**	**56.00**	**16.72**	**L1**	**OFF**	**19.9**
10.160250	**---**	**25.79**	**50.00**	**24.21**	**L1**	**OFF**	**20.2**
10.160250	**27.54**	**---**	**60.00**	**32.46**	**L1**	**OFF**	**20.2**

EUT Information

Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.163500	---	28.22	55.28	27.06	N	OFF	19.9
0.163500	35.75	---	65.28	29.53	N	OFF	19.9
0.217500	---	25.80	52.91	27.11	N	OFF	19.9
0.217500	31.68	---	62.91	31.23	N	OFF	19.9
0.237750	---	25.40	52.17	26.77	N	OFF	19.9
0.237750	30.37	---	62.17	31.80	N	OFF	19.9
0.426750	---	25.16	47.32	22.16	N	OFF	19.9
0.426750	30.11	---	57.32	27.21	N	OFF	19.9
1.361670	---	26.31	46.00	19.69	N	OFF	19.9
1.361670	37.63	---	56.00	18.37	N	OFF	19.9
1.464900	---	25.84	46.00	20.16	N	OFF	19.9
1.464900	36.32	---	56.00	19.68	N	OFF	19.9
1.545270	---	26.87	46.00	19.13	N	OFF	19.9
1.545270	36.09	---	56.00	19.91	N	OFF	19.9
1.641750	---	26.77	46.00	19.23	N	OFF	19.9
1.641750	35.50	---	56.00	20.50	N	OFF	19.9
1.745070	---	26.14	46.00	19.86	N	OFF	19.9
1.745070	34.51	---	56.00	21.49	N	OFF	19.9
1.806000	---	25.95	46.00	20.05	N	OFF	19.9
1.806000	35.22	---	56.00	20.78	N	OFF	19.9
1.851990	---	25.97	46.00	20.03	N	OFF	19.9

1.851990	**35.30**	**---**	**56.00**	**20.70**	**N**	**OFF**	**19.9**
16.938420	**---**	**24.66**	**50.00**	**25.34**	**N**	**OFF**	**20.5**
16.938420	**26.24**	**---**	**60.00**	**33.76**	**N**	**OFF**	**20.5**

Appendix C. Radiated Spurious Emission

Test Engineer :	Hao Qun, Gary Guo and Steven Wu	Temperature :	20~25°C
		Relative Humidity :	50~65%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
ANT					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	63.74	-10.26	74	49.25	33	10.96	29.47	269	70	P	H
		5150	51.64	-2.36	54	37.15	33	10.96	29.47	269	70	A	H
	*	5180	109.77	-	-	95.31	33	10.96	29.5	269	70	P	H
	*	5180	103.68	-	-	89.22	33	10.96	29.5	269	70	A	H
													H
													H
		5149.76	63.61	-10.39	74	49.12	33	10.96	29.47	100	76	P	V
		5150	50.56	-3.44	54	36.07	33	10.96	29.47	100	76	A	V
	*	5180	110.11	-	-	95.65	33	10.96	29.5	100	76	P	V
	*	5180	103.38	-	-	88.92	33	10.96	29.5	100	76	A	V
													V
													V
802.11a CH 44 5220MHz		5146.12	60.18	-13.82	74	45.69	33	10.96	29.47	100	121	P	H
		5150	49.1	-4.9	54	34.61	33	10.96	29.47	100	121	A	H
	*	5220	114.86	-	-	100.46	32.96	10.98	29.54	100	121	P	H
	*	5220	107.88	-	-	93.48	32.96	10.98	29.54	100	121	A	H
		5375.16	53.22	-20.78	74	38.87	32.9	11.13	29.68	100	121	P	H
		5351.92	42.98	-11.02	54	28.64	32.9	11.1	29.66	100	121	A	H
		5147.42	59.37	-14.63	74	44.88	33	10.96	29.47	100	92	P	V
		5149.76	48.72	-5.28	54	34.23	33	10.96	29.47	100	92	A	V
	*	5220	114.95	-	-	100.55	32.96	10.98	29.54	100	92	P	V
	*	5220	108.17	-	-	93.77	32.96	10.98	29.54	100	92	A	V
		5377.4	52.83	-21.17	74	38.48	32.9	11.13	29.68	100	92	P	V
		5350.24	43.13	-10.87	54	28.79	32.9	11.1	29.66	100	92	A	V

802.11a CH 48 5240MHz		5149.24	55.53	-18.47	74	41.04	33	10.96	29.47	100	121	P	H
		5150	45.22	-8.78	54	30.73	33	10.96	29.47	100	121	A	H
	*	5240	115.69	-	-	101.33	32.92	11	29.56	100	121	P	H
	*	5240	108.17	-	-	93.81	32.92	11	29.56	100	121	A	H
		5354.16	53.4	-20.6	74	39.05	32.9	11.11	29.66	100	121	P	H
		5351.36	43.48	-10.52	54	29.14	32.9	11.1	29.66	100	121	A	H
		5149.76	56.67	-17.33	74	42.18	33	10.96	29.47	100	83	P	V
		5148.72	46.01	-7.99	54	31.52	33	10.96	29.47	100	83	A	V
	*	5240	114.22	-	-	99.86	32.92	11	29.56	100	83	P	V
	*	5240	108.39	-	-	94.03	32.92	11	29.56	100	83	A	V
		5351.36	53.63	-20.37	74	39.29	32.9	11.1	29.66	100	83	P	V
		5353.6	43.5	-10.5	54	29.15	32.9	11.11	29.66	100	83	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10360	47.82	-20.38	68.2	60.06	38.7	16.22	67.16	-	-	P	H
		15540	46.32	-27.68	74	55.58	37.54	19.81	66.61	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 36 5180MHz													H
		10360	47.68	-20.52	68.2	59.92	38.7	16.22	67.16	-	-	P	V
		15540	45.63	-28.37	74	54.89	37.54	19.81	66.61	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10440	47.83	-20.37	68.2	59.97	38.7	16.28	67.12	-	-	P	H
		15660	56.79	-17.21	74	66.45	37.26	19.87	66.79	175	318	P	H
		15660	45.46	-8.54	54	55.12	37.26	19.87	66.79	175	318	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 44 5220MHz		10440	45.84	-22.36	68.2	57.98	38.7	16.28	67.12	-	-	P	V
		15660	50.99	-23.01	74	60.65	37.26	19.87	66.79	187	2	P	V
		15660	40.44	-13.56	54	50.1	37.26	19.87	66.79	187	2	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
		10480	47.97	-20.23	68.2	60.06	38.7	16.31	67.1	-	-	P	H
		15720	55.97	-18.03	74	65.44	37.5	19.91	66.88	229	318	P	H
		15720	45.2	-8.8	54	54.67	37.5	19.91	66.88	229	318	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 48 5240MHz		10480	47.51	-20.69	68.2	59.6	38.7	16.31	67.1	-	-	P	V
		15720	51.37	-22.63	74	60.84	37.5	19.91	66.88	302	3	P	V
		15720	41.21	-12.79	54	50.68	37.5	19.91	66.88	302	3	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 1 5150~5250MHz

WIFI 802.11be EHT20 Full (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5149.76	64.07	-9.93	74	49.58	33	10.96	29.47	276	68	P	H
		5150	51.77	-2.23	54	37.28	33	10.96	29.47	276	68	A	H
	*	5180	109.07	-	-	94.61	33	10.96	29.5	276	68	P	H
	*	5180	101.09	-	-	86.63	33	10.96	29.5	276	68	A	H
802.11be													H
EHT20 Full													H
CH 36		5150	62.17	-11.83	74	47.68	33	10.96	29.47	100	68	P	V
5180MHz		5150	50.74	-3.26	54	36.25	33	10.96	29.47	100	68	A	V
	*	5180	108.78	-	-	94.32	33	10.96	29.5	100	68	P	V
	*	5180	100.83	-	-	86.37	33	10.96	29.5	100	68	A	V
													V
													V
		5148.46	63.07	-10.93	74	48.58	33	10.96	29.47	250	69	P	H
		5149.76	51.44	-2.56	54	36.95	33	10.96	29.47	250	69	A	H
	*	5220	113.88	-	-	99.48	32.96	10.98	29.54	250	69	P	H
	*	5220	106.4	-	-	92	32.96	10.98	29.54	250	69	A	H
802.11be		5432.84	53.95	-20.05	74	39.57	32.9	11.22	29.74	250	69	P	H
EHT20 Full		5350	43.08	-10.92	54	28.74	32.9	11.1	29.66	250	69	A	H
CH 44		5144.04	66.27	-7.73	74	51.78	33	10.96	29.47	100	76	P	V
5220MHz		5149.24	51.75	-2.25	54	37.26	33	10.96	29.47	100	76	A	V
	*	5220	113.77	-	-	99.37	32.96	10.98	29.54	100	76	P	V
	*	5220	106.2	-	-	91.8	32.96	10.98	29.54	100	76	A	V
		5379.08	53.76	-20.24	74	39.42	32.9	11.13	29.69	100	76	P	V
		5350.52	43.35	-10.65	54	29.01	32.9	11.1	29.66	100	76	A	V

		5145.34	57.3	-16.7	74	42.81	33	10.96	29.47	248	340	P	H
		5149.76	47.08	-6.92	54	32.59	33	10.96	29.47	248	340	A	H
	*	5240	114.36	-	-	100	32.92	11	29.56	248	340	P	H
	*	5240	106.63	-	-	92.27	32.92	11	29.56	248	340	A	H
802.11be		5353.32	56.17	-17.83	74	41.82	32.9	11.11	29.66	248	340	P	H
EHT20 Full		5350	44.48	-9.52	54	30.14	32.9	11.1	29.66	248	340	A	H
CH 48		5148.98	59.18	-14.82	74	44.69	33	10.96	29.47	100	77	P	V
5240MHz		5150	47.69	-6.31	54	33.2	33	10.96	29.47	100	77	A	V
	*	5240	114.27	-	-	99.91	32.92	11	29.56	100	77	P	V
	*	5240	106.38	-	-	92.02	32.92	11	29.56	100	77	A	V
		5350.24	55.17	-18.83	74	40.83	32.9	11.1	29.66	100	77	P	V
		5350	44.79	-9.21	54	30.45	32.9	11.1	29.66	100	77	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11be EHT20 Full (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10360	50.63	-17.57	68.2	62.87	38.7	16.22	67.16	202	334	P	H
		15540	46.64	-27.36	74	55.9	37.54	19.81	66.61	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT20 Full													H
CH 36		10360	46.87	-21.33	68.2	59.11	38.7	16.22	67.16	-	-	P	V
5180MHz		15540	46.33	-27.67	74	55.59	37.54	19.81	66.61	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10440	47.98	-20.22	68.2	60.12	38.7	16.28	67.12	-	-	P	H
		15660	53.64	-20.36	74	63.3	37.26	19.87	66.79	169	322	P	H
		15660	42.38	-11.62	54	52.04	37.26	19.87	66.79	169	322	A	H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT20 Full													H
CH 44		10440	46.91	-21.29	68.2	59.05	38.7	16.28	67.12	-	-	P	V
5220MHz		15660	49.1	-24.9	74	58.76	37.26	19.87	66.79	287	0	P	V
		15660	39.63	-14.37	54	49.29	37.26	19.87	66.79	287	0	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10480	48.01	-20.19	68.2	60.1	38.7	16.31	67.1	-	-	P	H
		15720	52.65	-21.35	74	62.12	37.5	19.91	66.88	168	322	P	H
		15720	42.53	-11.47	54	52	37.5	19.91	66.88	168	322	A	H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT20 Full													H
CH 48		10480	47.8	-20.4	68.2	59.89	38.7	16.31	67.1	-	-	P	V
5240MHz		15720	49.67	-24.33	74	59.14	37.5	19.91	66.88	285	360	P	V
		15720	39.65	-14.35	54	49.12	37.5	19.91	66.88	285	360	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 1 5150~5250MHz

WIFI 802.11be EHT40 Full (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5144.56	63.59	-10.41	74	49.1	33	10.96	29.47	251	66	P	H
		5150	50.79	-3.21	54	36.3	33	10.96	29.47	251	66	A	H
	*	5190	104.66	-	-	90.21	33	10.96	29.51	251	66	P	H
	*	5190	95.64	-	-	81.19	33	10.96	29.51	251	66	A	H
802.11be		5395.32	52.92	-21.08	74	38.57	32.9	11.15	29.7	251	66	P	H
EHT40 Full		5353.6	43.63	-10.37	54	29.28	32.9	11.11	29.66	251	66	A	H
CH 38		5149.24	63.15	-10.85	74	48.66	33	10.96	29.47	100	75	P	V
5190MHz		5149.76	50.43	-3.57	54	35.94	33	10.96	29.47	100	75	A	V
	*	5190	104.84	-	-	90.39	33	10.96	29.51	100	75	P	V
	*	5190	95.53	-	-	81.08	33	10.96	29.51	100	75	A	V
		5366.2	53.25	-20.75	74	38.9	32.9	11.12	29.67	100	75	P	V
		5353.88	43.16	-10.84	54	28.81	32.9	11.11	29.66	100	75	A	V
		5135.2	63.71	-10.29	74	49.21	33	10.96	29.46	250	343	P	H
		5140.14	51.57	-2.43	54	37.07	33	10.96	29.46	250	343	A	H
	*	5230	104.32	-	-	89.94	32.94	10.99	29.55	250	343	P	H
	*	5230	96.59	-	-	82.21	32.94	10.99	29.55	250	343	A	H
802.11be		5362.84	52.9	-21.1	74	38.56	32.9	11.11	29.67	250	343	P	H
EHT40 Full		5352.2	44	-10	54	29.66	32.9	11.1	29.66	250	343	A	H
CH 46		5135.46	62.17	-11.83	74	47.67	33	10.96	29.46	100	70	P	V
5230MHz		5148.98	51.5	-2.5	54	37.01	33	10.96	29.47	100	70	A	V
	*	5230	107.54	-	-	93.16	32.94	10.99	29.55	100	70	P	V
	*	5230	99.16	-	-	84.78	32.94	10.99	29.55	100	70	A	V
		5350.52	55	-19	74	40.66	32.9	11.1	29.66	100	70	P	V
		5350.24	45.45	-8.55	54	31.11	32.9	11.1	29.66	100	70	A	V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11be EHT40 Full (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10380	47.38	-20.82	68.2	59.6	38.7	16.23	67.15	-	-	P	H
		15570	47.11	-26.89	74	56.49	37.46	19.82	66.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT40 Full													H
CH 38		10380	47.07	-21.13	68.2	59.29	38.7	16.23	67.15	-	-	P	V
5190MHz		15570	46.9	-27.1	74	56.28	37.46	19.82	66.66	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10460	46.44	-21.76	68.2	58.56	38.7	16.29	67.11	-	-	P	H
		15690	47.93	-26.07	74	57.44	37.44	19.89	66.84	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT40 Full													H
CH 46		10460	47.31	-20.89	68.2	59.43	38.7	16.29	67.11	-	-	P	V
5230MHz		15690	47.69	-26.31	74	57.2	37.44	19.89	66.84	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 1 5150~5250MHz

WIFI 802.11be EHT80 Full (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
802.11be EHT80 Full CH 42 5210MHz		5149.24	65.16	-8.84	74	50.67	33	10.96	29.47	259	64	P	H
		5149.76	51.86	-2.14	54	37.37	33	10.96	29.47	259	64	A	H
	*	5210	101.61	-	-	87.19	32.98	10.97	29.53	259	64	P	H
	*	5210	93.04	-	-	78.62	32.98	10.97	29.53	259	64	A	H
		5431.72	53.41	-20.59	74	39.04	32.9	11.21	29.74	259	64	P	H
		5350.24	43.37	-10.63	54	29.03	32.9	11.1	29.66	259	64	A	H
		5150	65.42	-8.58	74	50.93	33	10.96	29.47	100	76	P	V
		5150	51.46	-2.54	54	36.97	33	10.96	29.47	100	76	A	V
	*	5210	102.04	-	-	87.62	32.98	10.97	29.53	100	76	P	V
	*	5210	93.05	-	-	78.63	32.98	10.97	29.53	100	76	A	V
		5411	53.42	-20.58	74	39.07	32.9	11.17	29.72	100	76	P	V
		5353.04	43.49	-10.51	54	29.14	32.9	11.11	29.66	100	76	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11be EHT80 Full (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10420	47.19	-21.01	68.2	59.36	38.7	16.26	67.13	-	-	P	H
		15630	46.56	-27.44	74	56.18	37.28	19.85	66.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT80 Full													H
CH 42		10420	47.24	-20.96	68.2	59.41	38.7	16.26	67.13	-	-	P	V
5210MHz		15630	47.16	-26.84	74	56.78	37.28	19.85	66.75	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 1 5150~5250MHz

WIFI 802.11be EHT160 Full (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
802.11be EHT160 Full CH 50 5250MHz		5066.04	53.54	-20.46	74	38.84	33.14	10.95	29.39	299	112	P	H
		5101.14	43.15	-10.85	54	28.62	33	10.96	29.43	299	112	A	H
	*	5250	93.85	-	-	79.5	32.9	11.01	29.56	299	112	P	H
	*	5250	85.85	-	-	71.5	32.9	11.01	29.56	299	112	A	H
		5381.32	59.84	-14.16	74	45.5	32.9	11.13	29.69	299	112	P	H
		5381.04	49.47	-4.53	54	35.13	32.9	11.13	29.69	299	112	A	H
		5140.66	56.77	-17.23	74	42.27	33	10.96	29.46	100	86	P	V
		5150	44.99	-9.01	54	30.5	33	10.96	29.47	100	86	A	V
	*	5250	95.95	-	-	81.6	32.9	11.01	29.56	100	86	P	V
	*	5250	87.74	-	-	73.39	32.9	11.01	29.56	100	86	A	V
		5385.52	62.3	-11.7	74	47.95	32.9	11.14	29.69	100	86	P	V
		5386.08	51.53	-2.47	54	37.18	32.9	11.14	29.69	100	86	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11be EHT160 Full (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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)
802.11be EHT160 Full CH 50 5250MHz		10500	47.79	-20.41	68.2	59.85	38.7	16.33	67.09	-	-	P	H
		15750	47.55	-26.45	74	57.06	37.5	19.92	66.93	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10500	47.71	-20.49	68.2	59.77	38.7	16.33	67.09	-	-	P	V
		15750	47.02	-26.98	74	56.53	37.5	19.92	66.93	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5130.56	55.11	-18.89	74	40.6	33	10.96	29.45	244	65	P	H
		5086.02	43.72	-10.28	54	29.12	33.06	10.95	29.41	244	65	A	H
	*	5260	113.78	-	-	99.43	32.91	11.01	29.57	244	65	P	H
	*	5260	106.85	-	-	92.5	32.91	11.01	29.57	244	65	A	H
		5435.04	53.46	-20.54	74	39.08	32.9	11.22	29.74	244	65	P	H
		5355.84	43.04	-10.96	54	28.69	32.9	11.11	29.66	244	65	A	H
		5039.1	53.79	-20.21	74	39.01	33.2	10.95	29.37	100	91	P	V
		5098.94	43.52	-10.48	54	28.99	33	10.95	29.42	100	91	A	V
	*	5260	113.09	-	-	98.72	32.92	11.02	29.57	100	91	P	V
	*	5260	106.11	-	-	91.74	32.92	11.02	29.57	100	91	A	V
		5445.36	53.86	-20.14	74	39.47	32.9	11.24	29.75	100	91	P	V
		5351.04	43.15	-10.85	54	28.81	32.9	11.1	29.66	100	91	A	V
802.11a CH 60 5300MHz		5139.74	54.17	-19.83	74	39.67	33	10.96	29.46	273	65	P	H
		5144.5	43.74	-10.26	54	29.25	33	10.96	29.47	273	65	A	H
	*	5300	113.52	-	-	99.07	33	11.06	29.61	273	65	P	H
	*	5300	106.48	-	-	92.03	33	11.06	29.61	273	65	A	H
		5350.08	59.5	-14.5	74	45.16	32.9	11.1	29.66	273	65	P	H
		5350.8	45.68	-8.32	54	31.34	32.9	11.1	29.66	273	65	A	H
		5115.26	53.65	-20.35	74	39.13	33	10.96	29.44	100	90	P	V
		5140.76	43.52	-10.48	54	29.02	33	10.96	29.46	100	90	A	V
	*	5300	112.99	-	-	98.54	33	11.06	29.61	100	90	P	V
	*	5300	106.01	-	-	91.56	33	11.06	29.61	100	90	A	V
		5355.84	56.98	-17.02	74	42.63	32.9	11.11	29.66	100	90	P	V
		5350.08	46.37	-7.63	54	32.03	32.9	11.1	29.66	100	90	A	V

802.11a CH 64 5320MHz	*	5320	109.11	-	-	94.71	32.96	11.07	29.63	302	118	P	H
	*	5320	102.28	-	-	87.88	32.96	11.07	29.63	302	118	A	H
		5351.04	62.89	-11.11	74	48.55	32.9	11.1	29.66	302	118	P	H
		5350.08	51.55	-2.45	54	37.21	32.9	11.1	29.66	302	118	A	H
													H
													H
	*	5320	110.43	-	-	96.03	32.96	11.07	29.63	100	88	P	V
	*	5320	103.42	-	-	89.02	32.96	11.07	29.63	100	88	A	V
		5350.56	65.49	-8.51	74	51.15	32.9	11.1	29.66	100	88	P	V
		5350.24	50.88	-3.12	54	36.54	32.9	11.1	29.66	100	88	A	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10520	47.56	-20.64	68.2	59.52	38.74	16.35	67.05	-	-	P	H
		15780	54.51	-19.49	74	64.29	37.26	19.94	66.98	167	325	P	H
		15780	41.87	-12.13	54	51.65	37.26	19.94	66.98	167	325	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 52 5260MHz													H
		10520	47.05	-21.15	68.2	59.01	38.74	16.35	67.05	-	-	P	V
		15780	47.29	-26.71	74	57.07	37.26	19.94	66.98	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10600	47.91	-26.09	74	59.4	39	16.41	66.9	-	-	P	H
		15900	47.65	-26.35	74	57.61	37.2	20	67.16	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 60 5300MHz													H
		10600	47.11	-26.89	74	58.6	39	16.41	66.9	-	-	P	V
		15900	45.85	-28.15	74	55.81	37.2	20	67.16	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10640	47.23	-26.77	74	58.46	39.16	16.44	66.83	-	-	P	H
		15960	45.91	-28.09	74	55.71	37.42	20.03	67.25	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 64 5320MHz													H
		10640	46.53	-27.47	74	57.76	39.16	16.44	66.83	-	-	P	V
		15960	46.66	-27.34	74	56.46	37.42	20.03	67.25	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 2 5250~5350MHz

WIFI 802.11be EHT20 Full (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5139.06	54.02	-19.98	74	39.52	33	10.96	29.46	100	114	P	H
		5097.92	42.95	-11.05	54	28.41	33.01	10.95	29.42	100	114	A	H
	*	5260	111.08	-	-	96.71	32.92	11.02	29.57	100	114	P	H
	*	5260	102.57	-	-	88.2	32.92	11.02	29.57	100	114	A	H
802.11be		5398.08	53.5	-20.5	74	39.15	32.9	11.15	29.7	100	114	P	H
EHT20 Full		5350.56	42.41	-11.59	54	28.07	32.9	11.1	29.66	100	114	A	H
CH 52		5073.44	54.12	-19.88	74	39.46	33.11	10.95	29.4	100	87	P	V
5260MHz		5139.4	43.2	-10.8	54	28.7	33	10.96	29.46	100	87	A	V
	*	5260	111.42	-	-	97.05	32.92	11.02	29.57	100	87	P	V
	*	5260	103.58	-	-	89.21	32.92	11.02	29.57	100	87	A	V
		5388.48	52.92	-21.08	74	38.58	32.9	11.14	29.7	100	87	P	V
		5350.32	42.92	-11.08	54	28.58	32.9	11.1	29.66	100	87	A	V
		5145.18	53.88	-20.12	74	39.39	33	10.96	29.47	272	118	P	H
		5070.38	42.67	-11.33	54	28	33.12	10.95	29.4	272	118	A	H
	*	5308	112.7	-	-	98.28	32.98	11.06	29.62	272	118	P	H
	*	5308	103.56	-	-	89.14	32.98	11.06	29.62	272	118	A	H
802.11be		5350.32	59.87	-14.13	74	45.53	32.9	11.1	29.66	272	118	P	H
EHT20 Full		5350.32	48.79	-5.21	54	34.45	32.9	11.1	29.66	272	118	A	H
CH 60		5085.68	53.89	-20.11	74	39.29	33.06	10.95	29.41	100	81	P	V
5300MHz		5138.04	43.4	-10.6	54	28.9	33	10.96	29.46	100	81	A	V
	*	5300	113.35	-	-	98.9	33	11.06	29.61	100	81	P	V
	*	5300	103.96	-	-	89.51	33	11.06	29.61	100	81	A	V
		5353.2	59.57	-14.43	74	45.22	32.9	11.11	29.66	100	81	P	V
		5350.08	48.14	-5.86	54	33.8	32.9	11.1	29.66	100	81	A	V

	*	5320	109.45	-	-	95.05	32.96	11.07	29.63	307	117	P	H
	*	5320	100.26	-	-	85.86	32.96	11.07	29.63	307	117	A	H
		5350.56	64.03	-9.97	74	49.69	32.9	11.1	29.66	307	117	P	H
		5350.24	51.7	-2.3	54	37.36	32.9	11.1	29.66	307	117	A	H
802.11be													H
EHT20 Full													H
CH 64	*	5320	107.86	-	-	93.46	32.96	11.07	29.63	100	73	P	V
5320MHz	*	5320	100.15	-	-	85.75	32.96	11.07	29.63	100	73	A	V
		5351.68	62.66	-11.34	74	48.32	32.9	11.1	29.66	100	73	P	V
		5350.24	50.6	-3.4	54	36.26	32.9	11.1	29.66	100	73	A	V
													V
													V

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

Band 2 5250~5350MHz

WIFI 802.11be EHT20 Full (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10520	48.25	-19.95	68.2	60.21	38.74	16.35	67.05	-	-	P	H
		15780	51.01	-22.99	74	60.79	37.26	19.94	66.98	169	325	P	H
		15780	40.1	-13.9	54	49.88	37.26	19.94	66.98	169	325	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT20 Full													H
CH 52		10520	47.6	-20.6	68.2	59.56	38.74	16.35	67.05	-	-	P	V
5260MHz		15780	49.36	-24.64	74	59.14	37.26	19.94	66.98	290	0	P	V
		15780	38.85	-15.15	54	48.63	37.26	19.94	66.98	290	0	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10600	49.25	-24.75	74	60.74	39	16.41	66.9	200	333	P	H
		10600	39.24	-14.76	54	50.73	39	16.41	66.9	200	333	A	H
		15900	47.95	-26.05	74	57.91	37.2	20	67.16	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT20 Full													H
CH 60		10600	50.58	-23.42	74	62.07	39	16.41	66.9	324	158	P	V
5300MHz		10600	39.28	-14.72	54	50.77	39	16.41	66.9	324	158	A	V
		15900	46.84	-27.16	74	56.8	37.2	20	67.16	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10640	47.6	-26.4	74	58.83	39.16	16.44	66.83	-	-	P	H
		15960	46.91	-27.09	74	56.71	37.42	20.03	67.25	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT20 Full													H
CH 64		10640	47.91	-26.09	74	59.14	39.16	16.44	66.83	-	-	P	V
5320MHz		15960	47.12	-26.88	74	56.92	37.42	20.03	67.25	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 2 5250~5350MHz

WIFI 802.11be EHT40 Full (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
802.11be EHT40 Full CH 54 5270MHz		5096.22	54.2	-19.8	74	39.65	33.02	10.95	29.42	100	120	P	H
		5148.24	43.64	-10.36	54	29.15	33	10.96	29.47	100	120	A	H
	*	5270	109	-	-	94.61	32.94	11.03	29.58	100	120	P	H
	*	5270	100.38	-	-	85.99	32.94	11.03	29.58	100	120	A	H
		5352.96	58.15	-15.85	74	43.8	32.9	11.11	29.66	100	120	P	H
		5350.08	47.38	-6.62	54	33.04	32.9	11.1	29.66	100	120	A	H
		5095.54	53.68	-20.32	74	39.13	33.02	10.95	29.42	100	90	P	V
		5140.42	43.8	-10.2	54	29.3	33	10.96	29.46	100	90	A	V
	*	5270	109.25	-	-	94.86	32.94	11.03	29.58	100	90	P	V
	*	5270	100.64	-	-	86.25	32.94	11.03	29.58	100	90	A	V
		5351.52	61.18	-12.82	74	46.84	32.9	11.1	29.66	100	90	P	V
		5350.32	47.99	-6.01	54	33.65	32.9	11.1	29.66	100	90	A	V
802.11be EHT40 Full CH 62 5310MHz		5030.26	53.21	-20.79	74	38.42	33.2	10.95	29.36	272	121	P	H
		5146.54	42.85	-11.15	54	28.36	33	10.96	29.47	272	121	A	H
	*	5310	104.08	-	-	89.66	32.98	11.06	29.62	272	121	P	H
	*	5310	95.49	-	-	81.07	32.98	11.06	29.62	272	121	A	H
		5350.8	68.27	-5.73	74	53.93	32.9	11.1	29.66	272	121	P	H
		5350.08	51.66	-2.34	54	37.32	32.9	11.1	29.66	272	121	A	H
		5015.3	53.21	-20.79	74	38.4	33.2	10.95	29.34	110	82	P	V
		5144.84	43.19	-10.81	54	28.7	33	10.96	29.47	110	82	A	V
	*	5310	104.37	-	-	89.95	32.98	11.06	29.62	110	82	P	V
	*	5310	95.6	-	-	81.18	32.98	11.06	29.62	110	82	A	V
		5350.56	69.73	-4.27	74	55.39	32.9	11.1	29.66	110	82	P	V
		5351.28	52.36	-1.64	54	38.02	32.9	11.1	29.66	110	82	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11be EHT40 Full (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10540	47.35	-20.85	68.2	59.23	38.78	16.36	67.02	-	-	P	H
		15810	45.96	-28.04	74	55.95	37.08	19.95	67.02	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT40 Full													H
CH 54		10540	46.81	-21.39	68.2	58.69	38.78	16.36	67.02	100	0	P	V
5270MHz		15810	45.07	-28.93	74	55.06	37.08	19.95	67.02	100	0	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10620	46.52	-27.48	74	57.88	39.08	16.43	66.87	-	-	P	H
		15930	46.31	-27.69	74	56.18	37.32	20.01	67.2	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT40 Full													H
CH 62		10620	46.34	-27.66	74	57.7	39.08	16.43	66.87	-	-	P	V
5310MHz		15930	44.53	-29.47	74	54.4	37.32	20.01	67.2	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 2 5250~5350MHz

WIFI 802.11be EHT80 Full (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
802.11be EHT80 Full CH 58 5290MHz		5085.34	53.84	-20.16	74	39.24	33.06	10.95	29.41	271	121	P	H
		5085	43.11	-10.89	54	28.51	33.06	10.95	29.41	271	121	A	H
	*	5290	101.37	-	-	86.94	32.98	11.05	29.6	271	121	P	H
	*	5290	91.43	-	-	77	32.98	11.05	29.6	271	121	A	H
		5350.56	60.13	-13.87	74	45.79	32.9	11.1	29.66	271	121	P	H
		5352.72	51.55	-2.45	54	37.2	32.9	11.11	29.66	271	121	A	H
		5133.28	53.53	-20.47	74	39.03	33	10.96	29.46	106	89	P	V
		5142.12	43.4	-10.6	54	28.9	33	10.96	29.46	106	89	A	V
	*	5290	100.37	-	-	85.94	32.98	11.05	29.6	106	89	P	V
	*	5290	91.93	-	-	77.5	32.98	11.05	29.6	106	89	A	V
		5385.6	61.23	-12.77	74	46.88	32.9	11.14	29.69	106	89	P	V
		5351.52	50.99	-3.01	54	36.65	32.9	11.1	29.66	106	89	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11be EHT80 Full (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10580	46.17	-22.03	68.2	57.8	38.92	16.39	66.94	-	-	P	H
		15870	45.93	-28.07	74	55.98	37.08	19.98	67.11	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT80 Full													H
CH 58		10580	47.18	-21.02	68.2	58.81	38.92	16.39	66.94	-	-	P	V
5290MHz		15870	46.68	-27.32	74	56.73	37.08	19.98	67.11	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5459.9	64.57	-9.43	74	50.16	32.9	11.27	29.76	100	118	P	H
		5470	66.51	-1.69	68.2	52.09	32.9	11.29	29.77	100	118	P	H
		5460	47.07	-6.93	54	32.66	32.9	11.27	29.76	100	118	A	H
	*	5500	109.17	-	-	94.72	32.9	11.35	29.8	100	118	P	H
	*	5500	102.33	-	-	87.88	32.9	11.35	29.8	100	118	A	H
													H
		5459.92	59.96	-14.04	74	45.55	32.9	11.27	29.76	100	95	P	V
		5465.68	65.51	-2.69	68.2	51.1	32.9	11.28	29.77	100	95	P	V
		5460	46.07	-7.93	54	31.66	32.9	11.27	29.76	100	95	A	V
	*	5500	108.05	-	-	93.6	32.9	11.35	29.8	100	95	P	V
	*	5500	102.73	-	-	88.28	32.9	11.35	29.8	100	95	A	V
													V
802.11a CH 116 5580MHz		5443.6	53.62	-20.38	74	39.23	32.9	11.24	29.75	304	120	P	H
		5461.84	53.1	-15.1	68.2	38.69	32.9	11.27	29.76	304	120	P	H
		5442.4	43.13	-10.87	54	28.75	32.9	11.23	29.75	304	120	A	H
	*	5580	108.6	-	-	94.02	32.9	11.51	29.83	304	120	P	H
	*	5580	101.85	-	-	87.27	32.9	11.51	29.83	304	120	A	H
		5745.155	53.46	-14.74	68.2	37.96	33.67	11.73	29.9	304	120	P	H
		5370.64	53.58	-20.42	74	39.24	32.9	11.12	29.68	100	86	P	V
		5464.24	52.02	-16.18	68.2	37.61	32.9	11.28	29.77	100	86	P	V
		5423.68	42.91	-11.09	54	28.54	32.9	11.2	29.73	100	86	A	V
	*	5580	111.25	-	-	96.67	32.9	11.51	29.83	100	86	P	V
	*	5580	104.21	-	-	89.63	32.9	11.51	29.83	100	86	A	V
		5757.44	54.47	-13.73	68.2	38.89	33.73	11.75	29.9	100	86	P	V

802.11a CH 140 5700MHz	*	5700	108.81	-	-	93.61	33.4	11.68	29.88	263	71	P	H
	*	5700	102	-	-	86.8	33.4	11.68	29.88	263	71	A	H
		5725.8	65.85	-2.35	68.2	50.48	33.55	11.71	29.89	263	71	P	H
													H
													H
													H
	*	5700	106.14	-	-	90.94	33.4	11.68	29.88	100	89	P	V
	*	5700	99.11	-	-	83.91	33.4	11.68	29.88	100	89	A	V
		5726.84	62.43	-5.77	68.2	47.05	33.56	11.71	29.89	100	89	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		10000	47.81	-20.39	68.2	60.82	38.4	15.92	67.33	-	-	P	H
		16500	55.4	-12.8	68.2	63.42	38.3	20.63	66.95	179	319	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 100 5500MHz													H
		10000	46.47	-21.73	68.2	59.48	38.4	15.92	67.33	-	-	P	V
		16500	52.63	-15.57	68.2	60.65	38.3	20.63	66.95	288	26	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11160	47.88	-26.12	74	58.29	39	16.85	66.26	-	-	P	H
		16740	60.98	-7.22	68.2	68.57	38.22	20.91	66.72	181	310	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 116 5580MHz													H
		11160	47.55	-26.45	74	57.96	39	16.85	66.26	-	-	P	V
		16740	58.61	-9.59	68.2	66.2	38.22	20.91	66.72	238	7	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11400	47.67	-26.33	74	57.96	39.1	17.03	66.42	-	-	P	H
		17100	46.25	-21.95	68.2	53.24	38.1	21.25	66.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 140 5700MHz													H
		11400	47.38	-26.62	74	57.67	39.1	17.03	66.42	-	-	P	V
		17100	46.28	-21.92	68.2	53.27	38.1	21.25	66.34	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 3 - 5470~5725MHz

WIFI 802.11be EHT20 Full (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.12	62.42	-11.58	74	48.01	32.9	11.27	29.76	281	122	P	H
		5470	65.87	-2.33	68.2	51.45	32.9	11.29	29.77	281	122	P	H
		5459.6	45.62	-8.38	54	31.21	32.9	11.27	29.76	281	122	A	H
	*	5500	106.67	-	-	92.22	32.9	11.35	29.8	281	122	P	H
802.11be	*	5500	99.12	-	-	84.67	32.9	11.35	29.8	281	122	A	H
EHT20 Full		5457.84	60.26	-13.74	74	45.85	32.9	11.27	29.76	100	92	P	V
CH 100		5469.2	65.63	-2.57	68.2	51.21	32.9	11.29	29.77	100	92	P	V
5500MHz		5459.76	44.85	-9.15	54	30.44	32.9	11.27	29.76	100	92	A	V
	*	5500	108.38	-	-	93.93	32.9	11.35	29.8	100	92	P	V
	*	5500	99.64	-	-	85.19	32.9	11.35	29.8	100	92	A	V
													V
													V
		5426.08	54.05	-19.95	74	39.68	32.9	11.2	29.73	298	114	P	H
		5462.08	52.02	-16.18	68.2	37.61	32.9	11.27	29.76	298	114	P	H
		5416	42.78	-11.22	54	28.42	32.9	11.18	29.72	298	114	A	H
	*	5580	109.62	-	-	95.04	32.9	11.51	29.83	298	114	P	H
802.11be	*	5580	101.43	-	-	86.85	32.9	11.51	29.83	298	114	A	H
EHT20 Full		5743.58	54.58	-13.62	68.2	39.09	33.66	11.73	29.9	298	114	P	H
CH 116		5446.24	53.66	-20.34	74	39.27	32.9	11.24	29.75	100	86	P	V
5580MHz		5469.28	52.51	-15.69	68.2	38.09	32.9	11.29	29.77	100	86	P	V
		5426.56	42.69	-11.31	54	28.32	32.9	11.2	29.73	100	86	A	V
	*	5580	110.05	-	-	95.47	32.9	11.51	29.83	100	86	P	V
	*	5580	101.72	-	-	87.14	32.9	11.51	29.83	100	86	A	V
		5762.795	53.85	-14.35	68.2	38.26	33.75	11.75	29.91	100	86	P	V

	*	5700	107.08	-	-	91.88	33.4	11.68	29.88	297	74	P	H
	*	5700	98.16	-	-	82.96	33.4	11.68	29.88	297	74	A	H
		5726.6	65.45	-2.75	68.2	50.07	33.56	11.71	29.89	297	74	P	H
													H
802.11be													H
EHT20 Full													H
CH 140	*	5700	106.12	-	-	90.92	33.4	11.68	29.88	100	87	P	V
5700MHz	*	5700	96.68	-	-	81.48	33.4	11.68	29.88	100	87	A	V
		5725.08	65.72	-2.48	68.2	50.35	33.55	11.71	29.89	100	87	P	V
													V
													V
													V

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

Band 3 5470~5725MHz

WIFI 802.11be EHT20 Full (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11000	47.57	-26.43	74	58.2	38.8	16.73	66.16	-	-	P	H
		16500	49.09	-19.11	68.2	57.11	38.3	20.63	66.95	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT20 Full													H
CH 100		11000	47.34	-26.66	74	57.97	38.8	16.73	66.16	-	-	P	V
5500MHz		16500	49.33	-18.87	68.2	57.35	38.3	20.63	66.95	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11160	47.24	-26.76	74	57.65	39	16.85	66.26	-	-	P	H
		16740	60.1	-8.1	68.2	67.69	38.22	20.91	66.72	181	308	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT20 Full													H
CH 116		11160	47.97	-26.03	74	58.38	39	16.85	66.26	-	-	P	V
5580MHz		16740	55.38	-12.82	68.2	62.97	38.22	20.91	66.72	392	9	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11140	46.98	-27.02	74	57.41	38.98	16.84	66.25	-	-	P	H
		17100	48.39	-19.81	68.2	55.38	38.1	21.25	66.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT20 Full													H
CH 140		11140	47.93	-26.07	74	58.36	38.98	16.84	66.25	-	-	P	V
5700MHz		17100	48.46	-19.74	68.2	55.45	38.1	21.25	66.34	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 3 5470~5725MHz

WIFI 802.11be EHT40 Full (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5453.92	58.02	-15.98	74	43.62	32.9	11.26	29.76	100	122	P	H
		5469.52	65.55	-2.65	68.2	51.13	32.9	11.29	29.77	100	122	P	H
		5459.68	44.47	-9.53	54	30.06	32.9	11.27	29.76	100	122	A	H
	*	5510	101.93	-	-	87.46	32.9	11.37	29.8	100	122	P	H
802.11be	*	5510	93.19	-	-	78.72	32.9	11.37	29.8	100	122	A	H
EHT40 Full		5741.06	53.81	-14.39	68.2	38.33	33.65	11.73	29.9	100	122	P	H
CH 102		5456.8	58.44	-15.56	74	44.04	32.9	11.26	29.76	100	87	P	V
5510MHz		5470	64.39	-3.81	68.2	49.97	32.9	11.29	29.77	100	87	P	V
		5457.76	43.89	-10.11	54	29.48	32.9	11.27	29.76	100	87	A	V
	*	5510	102.48	-	-	88.01	32.9	11.37	29.8	100	87	P	V
	*	5510	93.68	-	-	79.21	32.9	11.37	29.8	100	87	A	V
		5758.385	53.29	-14.91	68.2	37.71	33.73	11.75	29.9	100	87	P	V
		5459.68	56.58	-17.42	74	42.17	32.9	11.27	29.76	282	117	P	H
		5469.28	58.08	-10.12	68.2	43.66	32.9	11.29	29.77	282	117	P	H
		5458.48	44.82	-9.18	54	30.41	32.9	11.27	29.76	282	117	A	H
	*	5550	105.53	-	-	91	32.9	11.45	29.82	282	117	P	H
802.11be	*	5550	97.44	-	-	82.91	32.9	11.45	29.82	282	117	A	H
EHT40 Full		5730.035	52.88	-15.32	68.2	37.48	33.58	11.71	29.89	282	117	P	H
CH 110		5459.2	55.7	-18.3	74	41.29	32.9	11.27	29.76	100	88	P	V
5550MHz		5469.76	58.64	-9.56	68.2	44.22	32.9	11.29	29.77	100	88	P	V
		5458.72	44.55	-9.45	54	30.14	32.9	11.27	29.76	100	88	A	V
	*	5550	105.17	-	-	90.64	32.9	11.45	29.82	100	88	P	V
	*	5550	97.55	-	-	83.02	32.9	11.45	29.82	100	88	A	V
		5736.335	53.58	-14.62	68.2	38.13	33.62	11.72	29.89	100	88	P	V

		5457.1	52.25	-21.75	74	37.85	32.9	11.26	29.76	244	75	P	H
		5466.9	51.71	-16.49	68.2	37.3	32.9	11.28	29.77	244	75	P	H
		5455	42.39	-11.61	54	27.99	32.9	11.26	29.76	244	75	A	H
	*	5686	106.63	-	-	91.52	33.32	11.66	29.87	244	75	P	H
802.11be	*	5662	98.39	-	-	83.45	33.17	11.63	29.86	244	75	A	H
EHT40 Full		5725.1	65.94	-2.26	68.2	50.57	33.55	11.71	29.89	244	75	P	H
CH 134		5431.9	52.45	-21.55	74	38.08	32.9	11.21	29.74	100	86	P	V
5670MHz		5462	51.69	-16.51	68.2	37.28	32.9	11.27	29.76	100	86	P	V
		5457.1	42.6	-11.4	54	28.2	32.9	11.26	29.76	100	86	A	V
	*	5670	105.38	-	-	90.39	33.22	11.64	29.87	100	86	P	V
	*	5670	96.42	-	-	81.43	33.22	11.64	29.87	100	86	A	V
		5726.675	64.93	-3.27	68.2	49.55	33.56	11.71	29.89	100	86	P	V

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

Band 3 5470~5725MHz

WIFI 802.11be EHT40 Full (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11020	47.3	-26.7	74	57.96	38.76	16.75	66.17	-	-	P	H
		16530	48.44	-19.76	68.2	56.64	38.06	20.66	66.92	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT40 Full													H
CH 102		11020	47.78	-26.22	74	58.44	38.76	16.75	66.17	-	-	P	V
5510MHz		16530	47.52	-20.68	68.2	55.72	38.06	20.66	66.92	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11100	47.89	-26.11	74	58.4	38.9	16.81	66.22	-	-	P	H
		16650	49.16	-19.04	68.2	56.97	38.2	20.8	66.81	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT40 Full													H
CH 110		11100	47.91	-26.09	74	58.42	38.9	16.81	66.22	-	-	P	V
5550MHz		16650	48.63	-19.57	68.2	56.44	38.2	20.8	66.81	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11340	47.95	-26.05	74	58.24	39.1	16.99	66.38	-	-	P	H
		17010	48.61	-19.59	68.2	55.81	38.06	21.21	66.47	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT40 Full													H
CH 134		11340	47.64	-26.36	74	57.93	39.1	16.99	66.38	-	-	P	V
5670MHz		17010	48.56	-19.64	68.2	55.76	38.06	21.21	66.47	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 3 5470~5725MHz

WIFI 802.11be EHT80 Full (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5456.56	62.63	-11.37	74	48.23	32.9	11.26	29.76	100	119	P	H
		5468.56	65.28	-2.92	68.2	50.86	32.9	11.29	29.77	100	119	P	H
		5458.48	48.02	-5.98	54	33.61	32.9	11.27	29.76	100	119	A	H
	*	5530	99.15	-	-	84.65	32.9	11.41	29.81	100	119	P	H
802.11be	*	5530	90.76	-	-	76.26	32.9	11.41	29.81	100	119	A	H
EHT80 Full		5755.55	54.24	-13.96	68.2	38.68	33.72	11.74	29.9	100	119	P	H
CH 106		5458	63.66	-10.34	74	49.25	32.9	11.27	29.76	100	91	P	V
5530MHz		5465.92	64.9	-3.3	68.2	50.49	32.9	11.28	29.77	100	91	P	V
		5459.92	48.19	-5.81	54	33.78	32.9	11.27	29.76	100	91	A	V
	*	5530	99.88	-	-	85.38	32.9	11.41	29.81	100	91	P	V
	*	5530	91.1	-	-	76.6	32.9	11.41	29.81	100	91	A	V
		5751.14	54.05	-14.15	68.2	38.51	33.7	11.74	29.9	100	91	P	V
		5458.5	55.16	-18.84	74	40.75	32.9	11.27	29.76	293	72	P	H
		5463.05	54.09	-14.11	68.2	39.68	32.9	11.28	29.77	293	72	P	H
		5458.85	45.53	-8.47	54	31.12	32.9	11.27	29.76	293	72	A	H
	*	5610	103.67	-	-	89.01	32.94	11.56	29.84	293	72	P	H
802.11be	*	5610	95.58	-	-	80.92	32.94	11.56	29.84	293	72	A	H
EHT80 Full		5726.39	63.63	-4.57	68.2	48.25	33.56	11.71	29.89	293	72	P	H
CH 122		5455	55.53	-18.47	74	41.13	32.9	11.26	29.76	100	87	P	V
5610MHz		5466.9	55.09	-13.11	68.2	40.68	32.9	11.28	29.77	100	87	P	V
		5458.15	46.14	-7.86	54	31.73	32.9	11.27	29.76	100	87	A	V
	*	5610	101.92	-	-	87.26	32.94	11.56	29.84	100	87	P	V
	*	5610	94.15	-	-	79.49	32.94	11.56	29.84	100	87	A	V
		5728.925	61.44	-6.76	68.2	46.05	33.57	11.71	29.89	100	87	P	V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11be EHT80 Full (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11060	47.5	-26.5	74	58.18	38.74	16.78	66.2	-	-	P	H
		16590	48.19	-20.01	68.2	56.59	37.74	20.73	66.87	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT80 Full													H
CH 106		11060	47.91	-26.09	74	58.59	38.74	16.78	66.2	-	-	P	V
5530MHz		16590	48.66	-19.54	68.2	57.06	37.74	20.73	66.87	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11220	47.25	-26.75	74	57.65	39	16.9	66.3	-	-	P	H
		16830	48.05	-20.15	68.2	55.74	37.94	21.01	66.64	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT80 Full													H
CH 122		11220	47.45	-26.55	74	57.85	39	16.9	66.3	-	-	P	V
5610MHz		16830	48.89	-19.31	68.2	56.58	37.94	21.01	66.64	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 3 5470~5725MHz

WIFI 802.11be EHT160 Full (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
802.11be EHT160 Full CH 114 5570MHz		5457.28	64.91	-9.09	74	50.51	32.9	11.26	29.76	296	229	P	H
		5467.12	65.6	-2.6	68.2	51.19	32.9	11.28	29.77	296	229	P	H
		5456.8	50.47	-3.53	54	36.07	32.9	11.26	29.76	296	229	A	H
	*	5570	94.71	-	-	80.15	32.9	11.49	29.83	296	229	P	H
	*	5570	86.95	-	-	72.39	32.9	11.49	29.83	296	229	A	H
		5726.57	61.4	-6.8	68.2	46.02	33.56	11.71	29.89	296	229	P	H
		5457.04	63.78	-10.22	74	49.38	32.9	11.26	29.76	100	91	P	V
		5461.36	64.59	-3.61	68.2	50.18	32.9	11.27	29.76	100	91	P	V
		5451.04	50.33	-3.67	54	35.93	32.9	11.25	29.75	100	91	A	V
	*	5570	96.02	-	-	81.46	32.9	11.49	29.83	100	91	P	V
	*	5570	88.01	-	-	73.45	32.9	11.49	29.83	100	91	A	V
		5726.57	63.85	-4.35	68.2	48.47	33.56	11.71	29.89	100	91	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11be EHT160 Full (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
802.11be EHT160 Full CH 114 5570MHz		11136	47.07	-26.93	74	57.51	38.97	16.84	66.25	-	-	P	H
		16713	49.51	-18.69	68.2	57.12	38.27	20.87	66.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11136	47.38	-26.62	74	57.82	38.97	16.84	66.25	-	-	P	V
		16713	49.21	-18.99	68.2	56.82	38.27	20.87	66.75	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
ANT					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5400.7	53.33	-20.67	74	38.99	32.9	11.15	29.71	267	78	P	H
		5468.95	52.77	-15.43	68.2	38.35	32.9	11.29	29.77	267	78	P	H
		5458.03	42.67	-11.33	54	28.26	32.9	11.27	29.76	267	78	A	H
	*	5720	114.04	-	-	98.71	33.52	11.7	29.89	267	78	P	H
	*	5720	106.93	-	-	91.6	33.52	11.7	29.89	267	78	A	H
		5890.75	55.73	-12.47	68.2	39.66	34.16	11.87	29.96	267	78	P	H
		5370.28	55.06	-18.94	74	40.72	32.9	11.12	29.68	100	83	P	V
		5463.88	52.45	-15.75	68.2	38.04	32.9	11.28	29.77	100	83	P	V
		5426.83	42.9	-11.1	54	28.53	32.9	11.2	29.73	100	83	A	V
	*	5720	111.61	-	-	96.28	33.52	11.7	29.89	100	83	P	V
	*	5720	104.76	-	-	89.43	33.52	11.7	29.89	100	83	A	V
		5941.25	54.66	-13.54	68.2	38.53	34.2	11.91	29.98	100	83	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	47.1	-26.9	74	57.45	39.02	17.07	66.44	-	-	P	H
		17160	55.14	-13.06	68.2	61.91	38.2	21.29	66.26	286	312	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	47.56	-26.44	74	57.91	39.02	17.07	66.44	-	-	P	V
		17160	55.72	-12.48	68.2	62.49	38.2	21.29	66.26	290	35	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 3 - Straddle Channel

WIFI 802.11be EHT20 Full (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
802.11be EHT20 Full CH 144 5720MHz		5361.31	53.65	-20.35	74	39.31	32.9	11.11	29.67	292	76	P	H
		5467.78	53.28	-14.92	68.2	38.86	32.9	11.29	29.77	292	76	P	H
		5447.11	42.37	-11.63	54	27.98	32.9	11.24	29.75	292	76	A	H
	*	5720	111.78	-	-	96.45	33.52	11.7	29.89	292	76	P	H
	*	5720	103.73	-	-	88.4	33.52	11.7	29.89	292	76	A	H
		5868	56.14	-12.06	68.2	40.17	34.07	11.85	29.95	292	76	P	H
		5353.9	53.98	-20.02	74	39.63	32.9	11.11	29.66	100	83	P	V
		5469.73	52.31	-15.89	68.2	37.89	32.9	11.29	29.77	100	83	P	V
		5442.43	42.72	-11.28	54	28.34	32.9	11.23	29.75	100	83	A	V
	*	5720	111.01	-	-	95.68	33.52	11.7	29.89	100	83	P	V
	*	5720	102.97	-	-	87.64	33.52	11.7	29.89	100	83	A	V
		5869.25	55.76	-12.44	68.2	39.78	34.08	11.85	29.95	100	83	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11be EHT20 Full (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11440	46.96	-27.04	74	57.31	39.02	17.07	66.44	-	-	P	H
		17160	57.54	-10.66	68.2	64.31	38.2	21.29	66.26	286	311	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	47.69	-26.31	74	58.04	39.02	17.07	66.44	-	-	P	V
5720MHz		17160	59.39	-8.81	68.2	66.16	38.2	21.29	66.26	308	32	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 3 - Straddle Channel

WIFI 802.11be EHT40 Full (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
802.11be EHT40 Full CH 142 5710MHz		5399.92	53.87	-20.13	74	39.53	32.9	11.15	29.71	294	71	P	H
		5464.66	53.48	-14.72	68.2	39.07	32.9	11.28	29.77	294	71	P	H
		5432.29	42.44	-11.56	54	28.07	32.9	11.21	29.74	294	71	A	H
	*	5710	107.97	-	-	92.7	33.46	11.69	29.88	294	71	P	H
	*	5710	99.56	-	-	84.29	33.46	11.69	29.88	294	71	A	H
		5922.5	56.65	-11.55	68.2	40.53	34.2	11.89	29.97	294	71	P	H
		5447.89	53.16	-20.84	74	38.76	32.9	11.25	29.75	100	86	P	V
		5466.61	53.77	-14.43	68.2	39.36	32.9	11.28	29.77	100	86	P	V
		5456.47	42.79	-11.21	54	28.39	32.9	11.26	29.76	100	86	A	V
	*	5710	107.16	-	-	91.89	33.46	11.69	29.88	100	86	P	V
	*	5710	98.48	-	-	83.21	33.46	11.69	29.88	100	86	A	V
		5909	55.29	-12.91	68.2	39.17	34.2	11.88	29.96	100	86	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11be EHT40 Full (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11420	47.6	-26.4	74	57.92	39.06	17.05	66.43	-	-	P	H
		17130	54.97	-13.23	68.2	61.84	38.16	21.27	66.3	282	305	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11be													H
EHT20 Full													H
CH 142		11420	47.01	-26.99	74	57.33	39.06	17.05	66.43	-	-	P	V
5710MHz		17130	54.98	-13.22	68.2	61.85	38.16	21.27	66.3	292	31	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 3 Straddle Channel

WIFI 802.11be EHT80 Full (Band Edge @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
802.11be EHT80 Full CH 138 5690MHz		5395.63	53.22	-20.78	74	38.87	32.9	11.15	29.7	260	72	P	H
		5463.1	51.77	-16.43	68.2	37.36	32.9	11.28	29.77	260	72	P	H
		5439.31	43.34	-10.66	54	28.95	32.9	11.23	29.74	260	72	A	H
	*	5690	107.44	-	-	92.32	33.34	11.66	29.88	260	72	P	H
	*	5690	98.58	-	-	83.46	33.34	11.66	29.88	260	72	A	H
		5853	58.61	-9.59	68.2	42.7	34.01	11.84	29.94	260	72	P	H
		5452.18	53.76	-20.24	74	39.37	32.9	11.25	29.76	100	82	P	V
		5467.39	52.93	-15.27	68.2	38.52	32.9	11.28	29.77	100	82	P	V
		5444.38	43.54	-10.46	54	29.15	32.9	11.24	29.75	100	82	A	V
	*	5690	105.45	-	-	90.33	33.34	11.66	29.88	100	82	P	V
	*	5690	96.12	-	-	81	33.34	11.66	29.88	100	82	A	V
		5854.25	56.46	-11.74	68.2	40.54	34.02	11.84	29.94	100	82	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11be EHT80 Full (Harmonic @ 3m)

WIFI ANT 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11380	47.53	-26.47	74	57.81	39.1	17.02	66.4	-	-	P	H
		17070	50.12	-18.08	68.2	57.04	38.22	21.24	66.38	297	307	P	H
													H
													H
													H
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													H
													H
													H
													H
802.11be													H
EHT80 Full													H
CH 138		11380	47.93	-26.07	74	58.21	39.1	17.02	66.4	-	-	P	V
5690MHz		17070	50.72	-17.48	68.2	57.64	38.22	21.24	66.38	310	30	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Emission above 1GHz

WIFI 802.11be EHT40 Full (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
ANT					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11be EHT40 Full SHF		38262	46.28	-27.72	74	60.57	43.59	-0.64	57.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		39692	46.42	-27.58	74	58.95	44.17	-0.53	56.17	-	-	P	V
													V
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													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Emission below 1GHz

WIFI 802.11be EHT40 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
ANT					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11be EHT40 Full LF		40.53	21.75	-18.25	40	34.16	19.13	0.71	32.25	-	-	P	H
		96.69	32.58	-10.92	43.5	47.86	15.48	1.49	32.25	-	-	P	H
		187.68	28.21	-15.29	43.5	43.53	14.9	2.1	32.32	-	-	P	H
		536.6	25.83	-20.17	46	30.99	23.86	3.57	32.59	-	-	P	H
		742.4	30.04	-15.96	46	30.63	27.6	4.24	32.43	-	-	P	H
		951.7	33.32	-12.68	46	29.64	30.18	4.82	31.32	-	-	P	H
													H
													H
													H
													H
													H
													H
		34.05	28.36	-11.64	40	37.5	22.51	0.55	32.2	-	-	P	V
		96.42	27.06	-16.44	43.5	42.39	15.43	1.49	32.25	-	-	P	V
		160.41	29.47	-14.03	43.5	43.32	16.5	1.94	32.29	-	-	P	V
		513.5	24.99	-21.01	46	30.21	23.85	3.49	32.56	-	-	P	V
		721.4	28.64	-17.36	46	30.15	26.83	4.16	32.5	-	-	P	V
		948.9	33.19	-12.81	46	29.58	30.15	4.81	31.35	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5647.6	53.57	-14.63	68.2	38.73	33.09	11.61	29.86	269	73	P	H
		5693.8	61.55	-39.08	100.63	46.4	33.36	11.67	29.88	269	73	P	H
		5719.2	72.37	-38.21	110.58	57.04	33.52	11.7	29.89	269	73	P	H
		5725	84.24	-37.96	122.2	68.87	33.55	11.71	29.89	269	73	P	H
	*	5745	114.22	-	-	98.72	33.67	11.73	29.9	269	73	P	H
	*	5745	107.76	-	-	92.26	33.67	11.73	29.9	269	73	A	H
													H
802.11a													H
CH 149		5619.6	54.42	-13.78	68.2	39.72	32.98	11.57	29.85	100	88	P	V
5745MHz		5697.8	57.66	-45.92	103.58	42.48	33.39	11.67	29.88	100	88	P	V
		5719	69.26	-41.26	110.52	53.94	33.51	11.7	29.89	100	88	P	V
		5725	80.74	-41.46	122.2	65.37	33.55	11.71	29.89	100	88	P	V
	*	5745	111.92	-	-	96.42	33.67	11.73	29.9	100	88	P	V
	*	5745	105.47	-	-	89.97	33.67	11.73	29.9	100	88	A	V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5609.6	54.05	-14.15	68.2	39.39	32.94	11.56	29.84	247	69	P	H
		5686.8	54.63	-40.83	95.46	39.52	33.32	11.66	29.87	247	69	P	H
		5715.2	54.24	-55.22	109.46	38.95	33.49	11.69	29.89	247	69	P	H
		5724.6	55.04	-66.25	121.29	39.67	33.55	11.71	29.89	247	69	P	H
	*	5785	114.73	-	-	99.02	33.84	11.78	29.91	247	69	P	H
	*	5785	107.26	-	-	91.55	33.84	11.78	29.91	247	69	A	H
		5853.2	54.69	-60.21	114.9	38.78	34.01	11.84	29.94	247	69	P	H
		5865	55.13	-52.87	108	39.17	34.06	11.85	29.95	247	69	P	H
		5904.2	55.17	-28.38	83.55	39.05	34.2	11.88	29.96	247	69	P	H
		5945.6	54.91	-13.29	68.2	38.78	34.2	11.91	29.98	247	69	P	H
													H
802.11a													H
CH 157		5620.6	53.71	-14.49	68.2	39	32.98	11.58	29.85	100	84	P	V
5785MHz		5674.6	54.63	-31.81	86.44	39.61	33.25	11.64	29.87	100	84	P	V
		5711	54.63	-53.65	108.28	39.35	33.47	11.69	29.88	100	84	P	V
		5722.8	53.5	-63.68	117.18	38.15	33.54	11.7	29.89	100	84	P	V
	*	5785	111.63	-	-	95.92	33.84	11.78	29.91	100	84	P	V
	*	5785	105.13	-	-	89.42	33.84	11.78	29.91	100	84	A	V
		5852.8	54.68	-61.14	115.82	38.77	34.01	11.84	29.94	100	84	P	V
		5872	54.72	-51.32	106.04	38.73	34.09	11.85	29.95	100	84	P	V
		5903.2	55.34	-28.95	84.29	39.22	34.2	11.88	29.96	100	84	P	V
		5939	53.53	-14.67	68.2	37.41	34.2	11.9	29.98	100	84	P	V
													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
	*	5825	114.55	-	-	98.71	33.95	11.82	29.93	245	71	P	H
	*	5825	107.17	-	-	91.33	33.95	11.82	29.93	245	71	A	H
		5852.4	71.96	-44.77	116.73	56.05	34.01	11.84	29.94	245	71	P	H
		5855.2	68.8	-41.94	110.74	52.88	34.02	11.84	29.94	245	71	P	H
		5876	57.25	-47.21	104.46	41.24	34.1	11.86	29.95	245	71	P	H
		5933.8	54.9	-13.3	68.2	38.77	34.2	11.9	29.97	245	71	P	H
													H
802.11a													H
CH 165	*	5825	112.17	-	-	96.33	33.95	11.82	29.93	103	89	P	V
5825MHz	*	5825	105.43	-	-	89.59	33.95	11.82	29.93	103	89	A	V
		5852.4	70.61	-46.12	116.73	54.7	34.01	11.84	29.94	103	89	P	V
		5857	68.45	-41.79	110.24	52.52	34.03	11.84	29.94	103	89	P	V
		5877.2	57.3	-46.27	103.57	41.28	34.11	11.86	29.95	103	89	P	V
		5946.8	54.17	-14.03	68.2	38.04	34.2	11.91	29.98	103	89	P	V
													V
													V
													V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11490	47.33	-26.67	74	57.7	39	17.1	66.47	-	-	P	H
		17235	53.15	-15.05	68.2	59.79	38.2	21.32	66.16	400	38	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 149 5745MHz													H
		11490	46.85	-27.15	74	57.22	39	17.1	66.47	-	-	P	V
		17235	57.22	-10.98	68.2	63.86	38.2	21.32	66.16	295	34	P	V
													V
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													V
													V

WIFI Ant. 3+4	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		11570	47.85	-26.15	74	58.26	38.86	17.16	66.43	-	-	P	H
		17355	52.92	-15.28	68.2	59.02	38.52	21.38	66	400	40	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 157 5785MHz													H
		11570	46.74	-27.26	74	57.15	38.86	17.16	66.43	-	-	P	V
		17355	55.31	-12.89	68.2	61.41	38.52	21.38	66	292	28	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V