



FCC RADIO TEST REPORT

FCC ID : S9GT670SN
Equipment : T670sn Access Point
Brand Name : RUCKUS
Model Name : T670sn
Applicant : Ruckus Wireless, LLC
350 W. Java Dr., Sunnyvale CA 94089 USA
Manufacturer : Ruckus Wireless, LLC
350 W. Java Dr., Sunnyvale CA 94089 USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jun. 12, 2024 and testing was performed from Jul. 17, 2024 to Feb. 27, 2025. We, Sporton International (USA) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Approved by: Neil Kao

Sporton International (USA) Inc.
1175 Montague Expressway, Milpitas, CA 95035



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History of this test report

Report No.	Version	Description	Issue Date
FR240524001B	01	Initial issue of report	Mar. 21, 2025
FR240524001B	02	Revise Summary of Test Result, section 1.1 and appendix A This report is an updated version, replacing the report issued on Mar. 21, 2025.	Mar. 26, 2025
FR240524001B	03	Revise section 1.1.1 and 3.2.1 This report is an updated version, replacing the report issued on Mar. 26, 2025.	Apr. 25, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
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	-
3.5	15.207	AC Conducted Emission	Pass	-
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/manufacturee 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.

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs Wi-Fi 2.4GHz 802.11b/g/n/ac/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, Wi-Fi 6GHz 802.11a/n/ac/ax/be and GNSS.	
Antenna Type WLAN: <Ant. HDBS >: Sector Antenna <Ant. VDBS >: Sector Antenna <Ant. V6S >: Sector Antenna <Ant. H6S >: Sector Antenna	

Antenna information (Sector Mode)			
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Horizontal	<Ant. HDBS>: 9.30
		Vertical	<Ant. VDBS>: 9.06
	Peak Gain (dBi)	Vertical	<Ant. V6S>: 8.34
		Horizontal	<Ant. H6S>: 8.79
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Horizontal	<Ant. HDBS>: 9.26
		Vertical	<Ant. VDBS>: 9.62
	Peak Gain (dBi)	Vertical	<Ant. V6S>: 7.32
		Horizontal	<Ant. H6S>: 8.58
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Horizontal	<Ant. HDBS>: 10.52
		Vertical	<Ant. VDBS>: 11.31
	Peak Gain (dBi)	Vertical	<Ant. V6S>: 8.64
		Horizontal	<Ant. H6S>: 9.19

Antenna information (Sector Mode), 30 degrees above horizon			
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Horizontal	<Ant. HDBS>: -1.60
		Vertical	<Ant. VDBS>: -3.84
	Peak Gain (dBi)	Vertical	<Ant. V6S>: -5.28
		Horizontal	<Ant. H6S>: -4.36

Remark:

1. The device is a special case of MIMO system with two outputs driving a cross-polarized pair of linearly polarized antennas which are vertically/horizontally mounted on the main board as indicated in equipment photo exhibits.
2. For 2x2 MIMO mode, only ANT1+ANT3 is supported.
3. The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.

1.1.1 Antenna Directional Gain

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)c)i)

Cross-polarized antennas. For a system in which the antennas have fixed orientations relative to one another that ensure that the antennas are cross-polarized regardless of any user actions, the directional gain is computed as follows.

- (i) Cross-polarized antennas with $N_{ANT} = 2$. In the case of a transmitter with only two outputs driving a pair of antennas that are cross-polarized (e.g., vertical and horizontal or left-circular and right-circular), directional gain is the gain of an individual antenna. If the two antennas have different gains, the larger gain applies.

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

	Vertical	Horizontal	DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	Ant 1 (dBi)	Ant 3 (dBi)	Power (dBi)	PSD (dBi)	(dB)	(dB)
Band I	9.06	9.30	9.30	9.30	3.30	3.30
Band II	9.62	9.26	9.62	9.62	3.62	3.62
Band III	11.31	10.52	11.31	11.31	5.31	5.31

Calculation example:

If a device has two cross-polarized antenna, $G_{ANT1} = 9.06\text{dBi}$; $G_{ANT3} = 9.30\text{dBi}$

Directional gain of power measurement = $\max(9.06, 9.30) = 9.30\text{ dBi}$

Directional gain of PSD measurement = $\max(9.06, 9.30) = 9.30\text{ dBi}$

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

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)c)i)

Cross-polarized antennas. For a system in which the antennas have fixed orientations relative to one another that ensure that the antennas are cross-polarized regardless of any user actions, the directional gain is computed as follows.

- (i) Cross-polarized antennas with NANT = 4. In the case of a transmitter with only four outputs driving a pair of antennas that are cross-polarized (e.g., vertical and horizontal or left-circular and right-circular), directional gain is the gain of an individual antenna. If the two antennas have different gains, the larger gain applies.

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

	Vertical	Horizontal	Vertical	Horizontal	DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	Ant 1 (dBi)	Ant 3 (dBi)	Ant 2 (dBi)	Ant 4 (dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	9.06	9.30	8.34	8.79	9.30	12.06	3.30	6.06
Band II	9.62	9.26	7.32	8.58	9.62	11.94	3.62	5.94
Band III	11.31	10.52	8.64	9.19	11.31	13.09	5.31	7.09

30 degrees above horizon	Vertical Ant 1 (dBi)	Vertical Ant 2 (dBi)	DG for Power(V) (dBi)	Horizontal Ant 3 (dbi)	Horizontal Ant 4 (dbi)	DG for Power(H) (dBi)	Power (V) Limit Reduction (dB)	Power (H) Limit Reduction (dB)
Band I	-3.84	-5.28	-3.84	-1.6	-4.36	-1.6	0	0

Calculation example:

If a device has four cross-polarized antenna,

$G_{ANT1}=9.06\text{dBi}$; $G_{ANT3}= 9.30\text{dBi}$; $G_{ANT2}=8.34\text{dBi}$, $G_{ANT4}=8.79\text{dBi}$,

Directional gain of power measurement = $\max(9.06, 9.30, 8.34, 8.79) = 9.30 \text{ dBi}$

Directional gain of PSD measurement = $\max(\text{Vertical DG}(9.06, 8.34), \text{Horizontal DG}(9.30, 8.79)) = 6.21 \text{ dBi}$

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



1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International (USA) Inc.
Test Site Location	1175 Montague Expressway, Milpitas, CA 95035 TEL : 408 9043300
Test Site No.	Sporton Site No. TH01-CA, CO01-CA 03CH01-CA

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

FCC Designation No.: US1250

1.4 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: All the test items were validated and recorded in accordance with the standards without any modification during the testing.

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 and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), 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		

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

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

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

Modulation	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 : WLAN (5GHz) Link + Lan port 1 + Lan port 2 + PoE Adapter

MIMO <Ant. 1+3>

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

BW160	5150-5350 MHz	5470-5725MHz
	802.11be EHT160	802.11be EHT160
Ch. #	50	114

MIMO <Ant. 1+2+3+4>

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

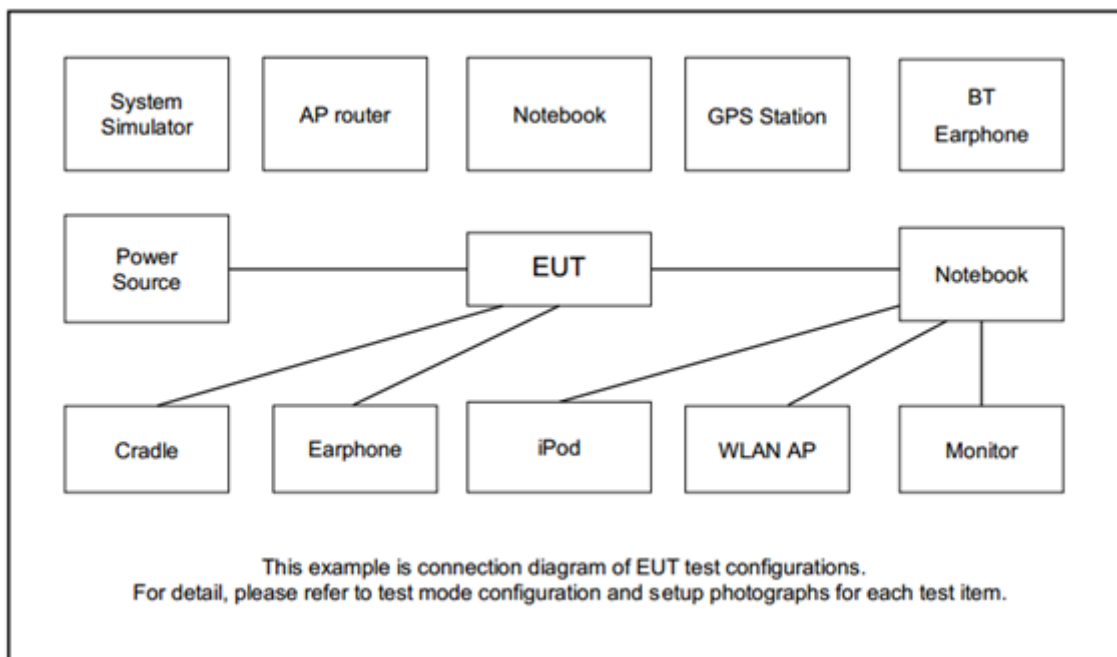
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11be EHT40	802.11be EHT40	802.11be EHT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

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

BW160	5150-5350 MHz	5470-5725MHz
	802.11be EHT160	802.11be EHT160
Ch. #	50	114

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



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	DELL	Latitude 5410	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Notebook	DELL	Latitude E7470	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	PoE Adapter	RUCKUS	740-64310-001	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “Tera Term Version 4.95 and QSPR Version 6.00.00143.1” 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.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

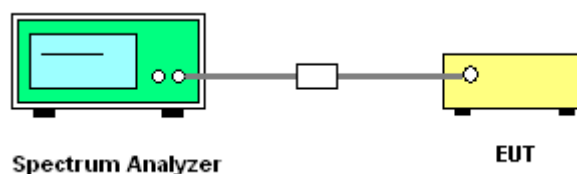
3.1.2 Measuring Instruments

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) $\geq 3 * RBW$.
8. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

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 an outdoor 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 provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

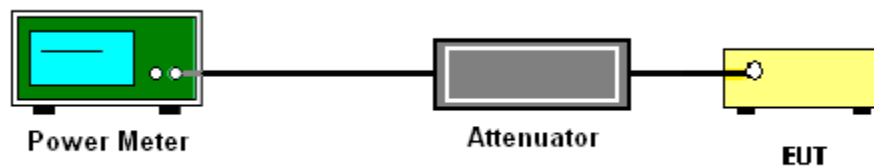
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.

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.

Method SA-2

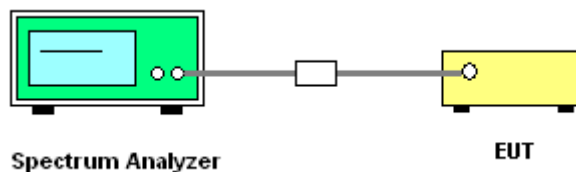
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
1. The RF output of EUT 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 4 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, output 3 and output 4 to obtain the value for the first frequency bin of the summed spectrum.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

- (2) Unwanted spurious emissions 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.

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

EIRP (dBm)	Field Strength at 3m (dB μ V/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 $\geq$ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

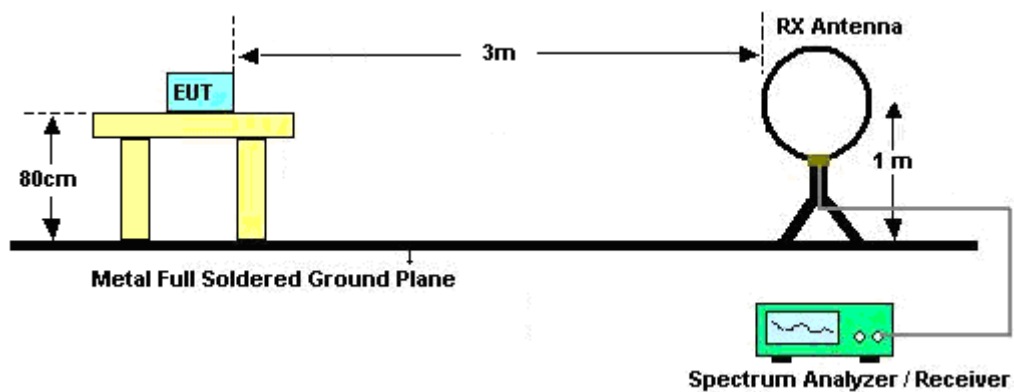
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

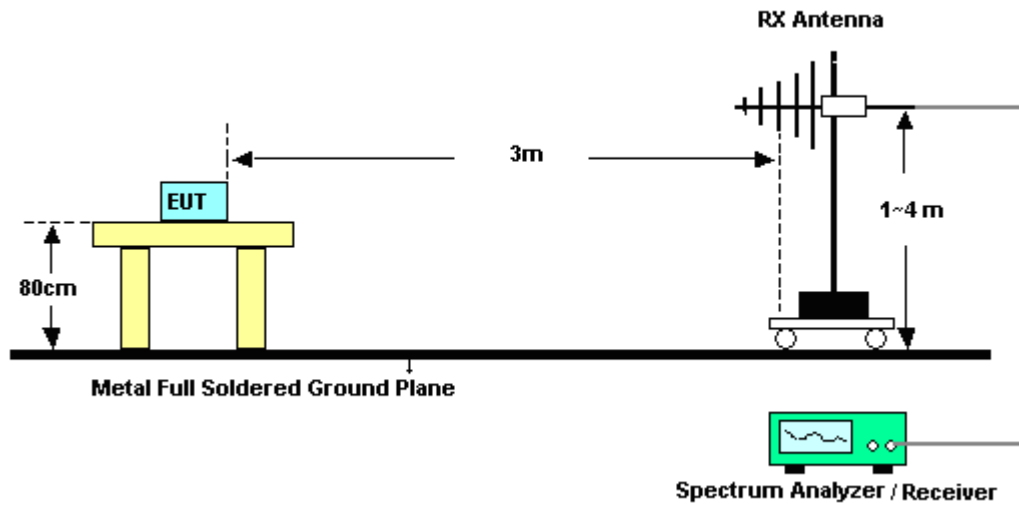
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna 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

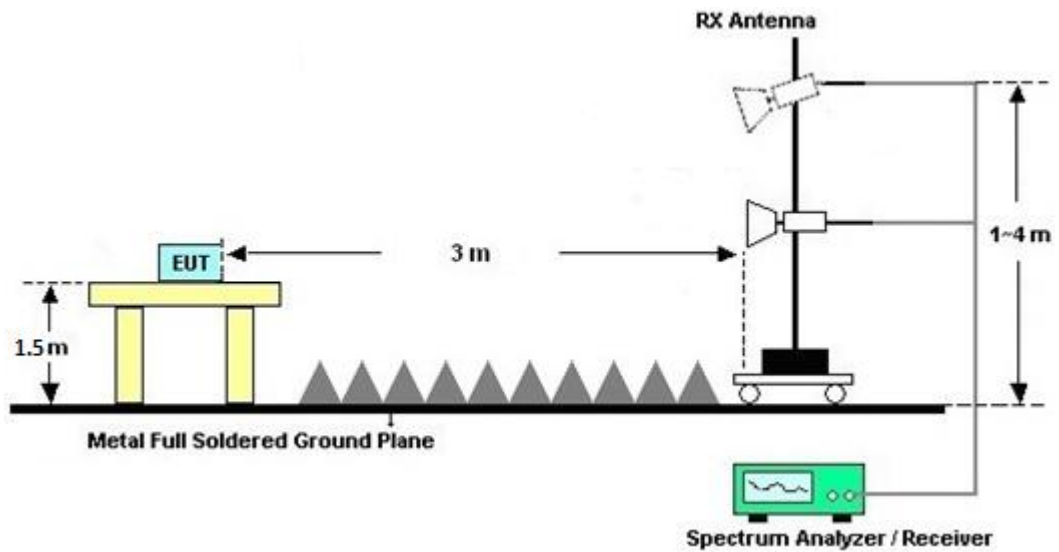
For radiated emissions below 30MHz



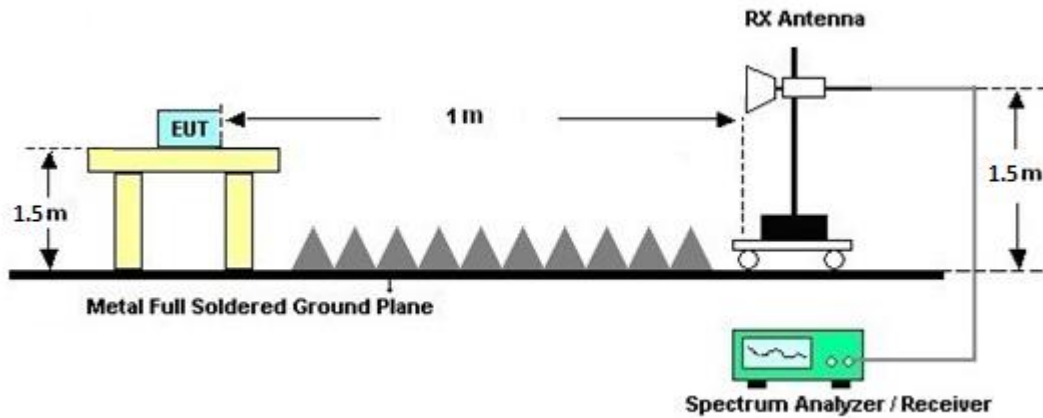
For radiated emissions from 30MHz to 1GHz



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 (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

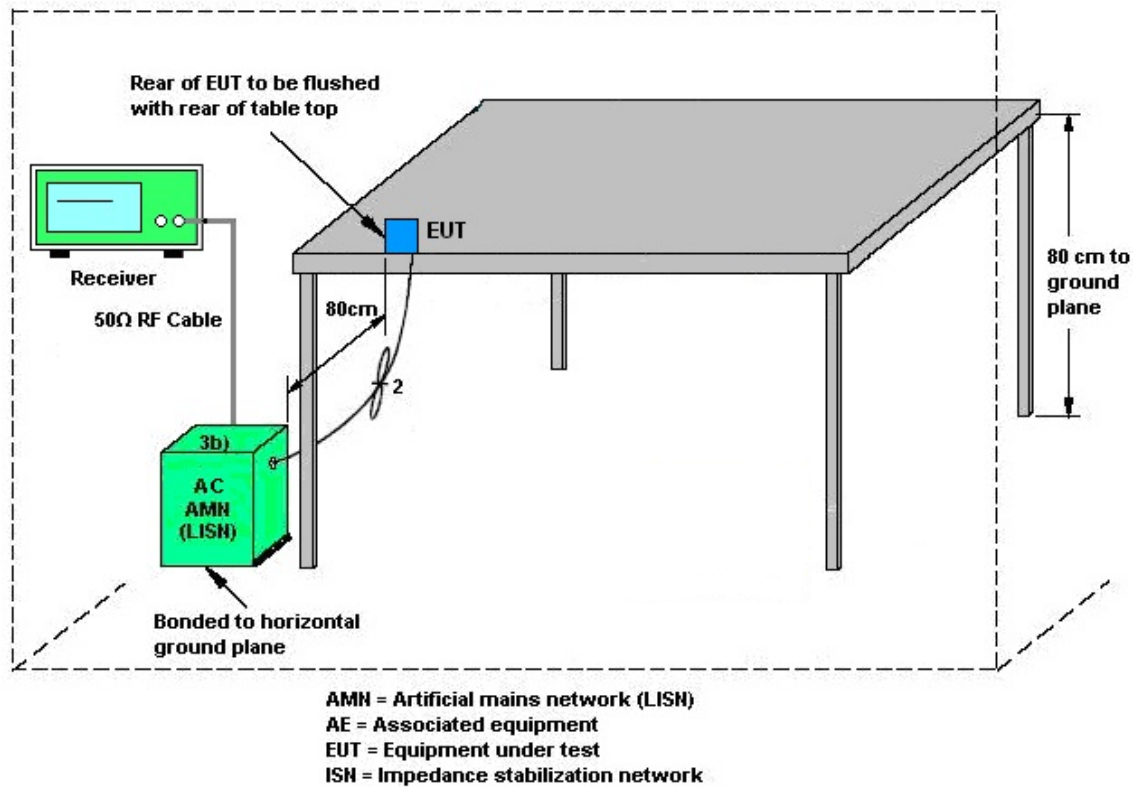
3.5.2 Measuring Instruments

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

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. 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 provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.6.2 Antenna Anti-Replacement Construction

Antenna permanently attached.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	45142559	N/A	Aug. 30, 2023	Aug. 03, 2024~ Aug. 14, 2024	Aug. 29, 2024	Conducted (TH01-CA)
Hygrometer	Testo	608-H1	45142559	N/A	Aug. 14, 2024	Aug. 15, 2024~ Feb. 11, 2025	Aug. 13, 2025	Conducted (TH01-CA)
Power Sensor	Raditeq	RPR8003W	RPR8W-2301002	10MHz-8GHz	Feb. 22, 2024	Aug. 08, 2024~ Aug. 28, 2024	Feb. 21, 2025	Conducted (TH01-CA)
Power Sensor	DARE!!	RPR3006W	RPR8W-2301002	10MHz-8GHz	Apr. 25, 2024	Aug. 03, 2024~ Feb. 11, 2025	Apr. 24, 2025	Conducted (TH01-CA)
Switch Box	EM Electronics	EMSW26	1070902	N/A	Oct. 09, 2023	Aug. 08, 2024~ Aug. 28, 2024	Oct. 08, 2024	Conducted (TH01-CA)
Switch Box	EM Electronics	EMSW26	1070902	N/A	Oct. 04, 2024	Dec. 16, 2024	Oct. 03, 2025	Conducted (TH01-CA)
Switch Box	EM Electronics	EMSW18	SW1070901	N/A	Apr. 25, 2024	Aug. 03, 2024~ Feb. 11, 2025	Apr. 24, 2025	Conducted (TH01-CA)
Spectrum Analyzer	R&S	FSV40	101089	10Hz~40GHz	Apr. 24, 2024	Aug. 08, 2024~ Aug. 28, 2024	Apr. 23, 2025	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101545	10Hz-40GHz	Apr. 25, 2024	Aug. 03, 2024~ Feb. 11, 2025	Apr. 24, 2025	Conducted (TH01-CA)
Bilog Antenna	TESEQ	6111D	50392	30MHz~1GHz	Aug. 13, 2024	Nov. 27, 2024	Aug. 12, 2025	Radiation (03CH01-CA)
Loop Antenna	R&S	HFH2-Z2E	100840	9kHz~30MHz	May 02, 2024	Jul. 17, 2024~ Dec. 23, 2024	May 01, 2025	Radiation (03CH01-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	02113	1GHz~18GHz	Apr. 26, 2024	Jul. 17, 2024~ Dec. 23, 2024	Apr. 25, 2025	Radiation (03CH01-CA)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00841	18GHz~40GHz	Aug. 07, 2024	Nov. 27, 2024~ Dec. 23, 2024	Aug. 06, 2025	Radiation (03CH01-CA)
Preamplifier	SONOMA	310N	372241	9kHz~1GHz	Apr. 24, 2024	Nov. 27, 2024	Apr. 23, 2025	Radiation (03CH01-CA)
Preamplifier	E-instrument	ERA-100M-18G-56-01-A70	EC1900252	1GHz~18GHz	Apr. 25, 2024	Jul. 17, 2024~ Dec. 23, 2024	Apr. 24, 2025	Radiation (03CH01-CA)
Preamplifier	Keysight	83017A	MY53270321	1GHz~26.5GHz	Apr. 25, 2024	Jul. 17, 2024~ Dec. 23, 2024	Apr. 24, 2025	Radiation (03CH01-CA)
Preamplifier	EMEC	EMC18G40G	060726	18G-40G	Apr. 04, 2024	Nov. 27, 2024~ Dec. 23, 2024	Apr. 03, 2025	Radiation (03CH01-CA)
Filter	Wainwright	WLK12-1200-127 2-11000-40SS	SN1	1.2GHz Low Pass Filter	Jun. 04, 2024	Jul. 17, 2024~ Dec. 23, 2024	Jun. 03, 2025	Radiation (03CH01-CA)
Filter	Wainwright	WHKX8-5872.5-6 750-18000-40ST	SN8	6.75GHz High Pass Filter	Jun. 04, 2024	Jul. 17, 2024~ Dec. 23, 2024	Jun. 03, 2025	Radiation (03CH01-CA)
Spectrum Analyzer	Keysight	N9010B	MY63440343	MY63440343	Jan.16, 2024	Jul. 17, 2024~ Dec. 23, 2024	Jan.15, 2025	Radiation (03CH01-CA)
RF Cable	HUBER+SUHNER	SUCOFLEX 102	8015932/2,8015762/2, 804938/2	NA	Mar. 05, 2024	Jul. 17, 2024~ Dec. 23, 2024	Mar. 04, 2025	Radiation (03CH01-CA)
Hygrometer	TESTO	608-H1	45142559	NA	Aug. 30, 2023	Jul. 17, 2024~ Aug. 14, 2024	Aug. 29, 2024	Radiation (03CH01-CA)
Hygrometer	TESTO	608-H1	45142559	NA	Aug. 14, 2024	Aug. 15, 2024~ Dec. 23, 2024	Aug. 13, 2025	Radiation (03CH01-CA)
Controller	Chaintek	EM-1000	060881	Control Turn Table & Antenna Mast	N/A	Jul. 17, 2024~ Dec. 23, 2024	N/A	Radiation (03CH01-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 17, 2024~ Dec. 23, 2024	N/A	Radiation (03CH01-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 17, 2024~ Dec. 23, 2024	N/A	Radiation (03CH01-CA)
Test Software	Audix E3	E6.2009-8-24d	PK-002093	N/A	N/A	Jul. 17, 2024~ Dec. 23, 2024	N/A	Radiation (03CH01-CA)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LISN	TESEQ	NNB51	47415	N/A	Aug. 14, 2024	Feb. 27, 2025	Aug. 13, 2025	Conduction (CO01-CA)
LISN	TESEQ	NNB51	47407	N/A	Apr. 23, 2024	Feb. 27, 2025	Apr. 22, 2025	Conduction (CO01-CA)
EMI Test Receiver	R&S	ESR7	102177	9kHz~7GHz	Apr. 23, 2024	Feb. 27, 2025	Apr. 22, 2025	Conduction (CO01-CA)
Pulse limiter with 10dB attenuation	R&S	VTSD 9561-F N	9561-F- N00412	N/A	Jun. 04, 2024	Feb. 27, 2025	Jun. 03, 2025	Conduction (CO01-CA)
LISN Cable	HUBER+SUHNER	RG-214/U	LISN cable -01	N/A	Jun. 04, 2024	Feb. 27, 2025	Jun. 03, 2025	Conduction (CO01-CA)
Test Software	R&S	EMC32 V10.30.0	N/A	N/A	N/A	Feb. 27, 2025	N/A	Conduction (CO01-CA)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.2 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.7 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.5 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.5 dB
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Appendix A. Test Result of Conducted Test Items

<2x2 Mode>

Test Engineer:	Sharon Chen and Ju Chang	Temperature:	18.7-25.2	°C
Test Date:	2024/08/03~2025/02/11	Relative Humidity:	37.4-57.7	%

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)			Note
					Ant 1	Ant 3	Ant 1	Ant 3		
11a	6Mbps	2	36	5180	17.053	16.978	22.648	22.384	-	
11a	6Mbps	2	44	5220	17.053	16.963	22.688	22.376		
11a	6Mbps	2	48	5240	17.123	17.013	22.968	22.472		

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 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3	
11a	6Mbps	2	36	5180	16.80	17.07	19.95	26.70		9.30		Pass
11a	6Mbps	2	44	5220	22.58	22.52	25.56	26.70		9.30		Pass
11a	6Mbps	2	48	5240	22.20	22.55	25.39	26.70		9.30		Pass
HT20	MCS0	2	36	5180	16.10	16.47	19.30	26.70		9.30		Pass
HT20	MCS0	2	44	5220	22.42	22.39	25.42	26.70		9.30		Pass
HT20	MCS0	2	48	5240	21.95	22.18	25.08	26.70		9.30		Pass
HT40	MCS0	2	38	5190	15.15	15.42	18.30	26.70		9.30		Pass
HT40	MCS0	2	46	5230	20.53	20.61	23.58	26.70		9.30		Pass
VHT20	MCS0	2	36	5180	16.20	16.57	19.40	26.70		9.30		Pass
VHT20	MCS0	2	44	5220	22.52	22.49	25.52	26.70		9.30		Pass
VHT20	MCS0	2	48	5240	22.05	22.28	25.18	26.70		9.30		Pass
VHT40	MCS0	2	38	5190	15.20	15.47	18.35	26.70		9.30		Pass
VHT40	MCS0	2	46	5230	20.55	20.63	23.60	26.70		9.30		Pass
VHT80	MCS0	2	42	5210	15.10	15.17	18.15	26.70		9.30		Pass
VHT160	MCS0	2	50	5250	13.55	13.67	16.62	26.70		9.30		Pass

FCC U-NII-1 MIMO - EIRP Limit at any elevation angle above 30 degrees													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	V-polarization				H-polarization				Pass /Fail
					Conducted Power (dBm)	DG (dBi)	EIRP (dBm)	EIRP limit (dBm)	Conducted Power (dBm)	DG (dBi)	EIRP (dBm)	EIRP limit (dBm)	
11a	6Mbps	2	36	5180	16.80	-3.84	12.96	21.00	17.07	-1.60	15.47	21.00	Pass
11a	6Mbps	2	44	5220	22.58	-3.84	18.74	21.00	22.52	-1.60	20.92	21.00	Pass
11a	6Mbps	2	48	5240	22.20	-3.84	18.36	21.00	22.55	-1.60	20.95	21.00	Pass
HT20	MCS0	2	36	5180	16.10	-3.84	12.26	21.00	16.47	-1.60	14.87	21.00	Pass
HT20	MCS0	2	44	5220	22.42	-3.84	18.58	21.00	22.39	-1.60	20.79	21.00	Pass
HT20	MCS0	2	48	5240	21.95	-3.84	18.11	21.00	22.18	-1.60	20.58	21.00	Pass
HT40	MCS0	2	38	5190	15.15	-3.84	11.31	21.00	15.42	-1.60	13.82	21.00	Pass
HT40	MCS0	2	46	5230	20.53	-3.84	16.69	21.00	20.61	-1.60	19.01	21.00	Pass
VHT20	MCS0	2	36	5180	16.20	-3.84	12.36	21.00	16.57	-1.60	14.97	21.00	Pass
VHT20	MCS0	2	44	5220	22.52	-3.84	18.68	21.00	22.49	-1.60	20.89	21.00	Pass
VHT20	MCS0	2	48	5240	22.05	-3.84	18.21	21.00	22.28	-1.60	20.68	21.00	Pass
VHT40	MCS0	2	38	5190	15.20	-3.84	11.36	21.00	15.47	-1.60	13.87	21.00	Pass
VHT40	MCS0	2	46	5230	20.55	-3.84	16.71	21.00	20.63	-1.60	19.03	21.00	Pass
VHT80	MCS0	2	42	5210	15.10	-3.84	11.26	21.00	15.17	-1.60	13.57	21.00	Pass
VHT160	MCS0	2	50	5250	13.55	-3.84	9.71	21.00	13.67	-1.60	12.07	21.00	Pass

Note 1: The operating mode uses 2 antennas, each of which has one of two polarizations that are orthogonal to one another. Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other.

EIRP of each polarization must individually be below the limit

Note 3: Note 1 and Note 2 are only applicable for EIRP calculation

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3	
11a	6Mbps	2	36	5180	-		7.42	13.70		9.30		Pass
11a	6Mbps	2	44	5220			12.93	13.70		9.30		Pass
11a	6Mbps	2	48	5240			12.72	13.70		9.30		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)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	
11a	6Mbps	2	52	5260	17.058	16.988	22.576	22.408	23.98		-
11a	6Mbps	2	60	5300	17.098	16.998	22.648	22.352	23.98		
11a	6Mbps	2	64	5320	17.093	16.998	22.784	22.264	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)		Pass/Fail
					Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3	
11a	6Mbps	2	52	5260	16.60	16.66	19.64	20.36		9.62		Pass
11a	6Mbps	2	60	5300	16.55	16.66	19.62	20.36		9.62		Pass
11a	6Mbps	2	64	5320	16.60	16.61	19.62	20.36		9.62		Pass
HT20	MCS0	2	52	5260	16.15	16.55	19.36	20.36		9.62		Pass
HT20	MCS0	2	60	5300	16.25	16.47	19.37	20.36		9.62		Pass
HT20	MCS0	2	64	5320	16.17	16.32	19.26	20.36		9.62		Pass
HT40	MCS0	2	54	5270	17.05	17.21	20.14	20.36		9.62		Pass
HT40	MCS0	2	62	5310	13.64	13.65	16.66	20.36		9.62		Pass
VHT20	MCS0	2	52	5260	16.25	16.65	19.46	20.36		9.62		Pass
VHT20	MCS0	2	60	5300	16.35	16.57	19.47	20.36		9.62		Pass
VHT20	MCS0	2	64	5320	16.27	16.42	19.36	20.36		9.62		Pass
VHT40	MCS0	2	54	5270	17.10	17.26	20.19	20.36		9.62		Pass
VHT40	MCS0	2	62	5310	13.69	13.70	16.71	20.36		9.62		Pass
VHT80	MCS0	2	58	5290	14.00	13.86	16.94	20.36		9.62		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3	
11a	6Mbps	2	52	5260	-		7.15	7.38		9.62		Pass
11a	6Mbps	2	60	5300			7.09	7.38		9.62		Pass
11a	6Mbps	2	64	5320			7.03	7.38		9.62		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)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3
11a	6Mbps	2	100	5500	17.073	16.993	22.768	22.464	23.98		----	----
11a	6Mbps	2	116	5580	17.083	17.023	22.608	22.440	23.98		----	----
11a	6Mbps	2	140	5700	17.083	17.003	22.832	22.456	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)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3
11a	6Mbps	2	144	5720	13.589	13.509	16.352	16.232	23.10		3.175	3.185

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)		Pass/Fail
					Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3	
11a	6Mbps	2	100	5500	15.09	15.05	18.08	18.67		11.31		Pass
11a	6Mbps	2	116	5580	14.89	14.95	17.93	18.67		11.31		Pass
11a	6Mbps	2	140	5700	14.89	15.25	18.08	18.67		11.31		Pass
HT20	MCS0	2	100	5500	14.91	14.90	17.92	18.67		11.31		Pass
HT20	MCS0	2	116	5580	14.79	14.85	17.83	18.67		11.31		Pass
HT20	MCS0	2	140	5700	15.49	15.35	18.43	18.67		11.31		Pass
HT40	MCS0	2	102	5510	15.18	15.35	18.28	18.67		11.31		Pass
HT40	MCS0	2	110	5550	15.32	15.48	18.41	18.67		11.31		Pass
HT40	MCS0	2	134	5670	15.26	15.47	18.38	18.67		11.31		Pass
VHT20	MCS0	2	100	5500	15.01	15.00	18.02	18.67		11.31		Pass
VHT20	MCS0	2	116	5580	14.89	14.95	17.93	18.67		11.31		Pass
VHT20	MCS0	2	140	5700	15.59	15.45	18.53	18.67		11.31		Pass
VHT40	MCS0	2	102	5510	15.23	15.40	18.33	18.67		11.31		Pass
VHT40	MCS0	2	110	5550	15.37	15.53	18.46	18.67		11.31		Pass
VHT40	MCS0	2	134	5670	15.31	15.52	18.43	18.67		11.31		Pass
VHT80	MCS0	2	106	5530	15.42	15.33	18.39	18.67		11.31		Pass
VHT80	MCS0	2	122	5610	15.36	15.53	18.46	18.67		11.31		Pass
VHT160	MCS0	2	114	5570	15.39	15.60	18.51	18.67		11.31		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)		Pass/Fail
					Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3	
11a	6Mbps	2	144	5720	14.39	14.65	17.53	17.79		11.31		Pass
HT20	MCS0	2	144	5720	14.29	14.55	17.43	18.67		11.31		Pass
HT40	MCS0	2	142	5710	15.08	15.40	18.25	18.67		11.31		Pass
VHT20	MCS0	2	144	5720	14.39	14.65	17.53	17.89		11.31		Pass
VHT40	MCS0	2	142	5710	15.13	15.45	18.30	18.67		11.31		Pass
VHT80	MCS0	2	138	5690	15.19	15.35	18.28	18.67		11.31		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
11a	6Mbps	2	100	5500	-		5.45	5.69	11.31				Pass
11a	6Mbps	2	116	5580			5.38	5.69	11.31				Pass
11a	6Mbps	2	140	5700			5.24	5.69	11.31				Pass

U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail	
					Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
11a	6Mbps	2	144	5720	-		4.72	5.69		11.31		-	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 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3	
HE20	MCS0	2	36	5180	Full	16.25	16.62	19.45	26.70		9.30		Pass
HE20	MCS0	2	44	5220	Full	22.57	22.54	25.57	26.70		9.30		Pass
HE20	MCS0	2	48	5240	Full	22.10	22.33	25.23	26.70		9.30		Pass
HE40	MCS0	2	38	5190	Full	15.25	15.52	18.40	26.70		9.30		Pass
HE40	MCS0	2	46	5230	Full	20.58	20.64	23.62	26.70		9.30		Pass
HE80	MCS0	2	42	5210	Full	15.15	15.22	18.20	26.70		9.30		Pass
HE160	MCS0	2	50	5250	Full	13.60	13.72	16.67	26.70		9.30		Pass

FCC U-NII-1 MIMO - EIRP Limit at any elevation angle above 30 degrees														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	V-polarization				H-polarization				Pass /Fail
						Conducted Power (dBm)	DG (dBi)	EIRP (dBm)	EIRP limit (dBm)	Conducted Power (dBm)	DG (dBi)	EIRP (dBm)	EIRP limit (dBm)	
						Ant 1				Ant 3				
HE20	MCS0	2	36	5180	Full	16.25	-3.84	12.41	21.00	16.62	-1.60	15.02	21.00	Pass
HE20	MCS0	2	44	5220	Full	22.57	-3.84	18.73	21.00	22.54	-1.60	20.94	21.00	Pass
HE20	MCS0	2	48	5240	Full	22.10	-3.84	18.26	21.00	22.33	-1.60	20.73	21.00	Pass
HE40	MCS0	2	38	5190	Full	15.25	-3.84	11.41	21.00	15.52	-1.60	13.92	21.00	Pass
HE40	MCS0	2	46	5230	Full	20.58	-3.84	16.74	21.00	20.64	-1.60	19.04	21.00	Pass
HE80	MCS0	2	42	5210	Full	15.15	-3.84	11.31	21.00	15.22	-1.60	13.62	21.00	Pass
HE160	MCS0	2	50	5250	Full	13.60	-3.84	9.76	21.00	13.72	-1.60	12.12	21.00	Pass

Note 1: The operating mode uses 2 antennas, each of which has one of two polarizations that are orthogonal to one another.

Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other.

EIRP of each polarization must individually be below the limit

Note 3: Note 1 and Note 2 are only applicable for EIRP calculation

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 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
HE20	MCS0	2	52	5260	Full	16.30	16.70	19.51	20.36		9.62		30	Pass
HE20	MCS0	2	60	5300	Full	16.40	16.62	19.52	20.36		9.62		30	Pass
HE20	MCS0	2	64	5320	Full	16.32	16.47	19.41	20.36		9.62		30	Pass
HE40	MCS0	2	54	5270	Full	17.15	17.31	20.24	20.36		9.62		30	Pass
HE40	MCS0	2	62	5310	Full	13.74	13.75	16.76	20.36		9.62		30	Pass
HE80	MCS0	2	58	5290	Full	14.05	13.95	17.01	20.36		9.62		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 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
HE20	MCS0	2	100	5500	Full	15.06	15.05	18.07	18.67		11.31		30	Pass
HE20	MCS0	2	116	5580	Full	14.94	15.00	17.98	18.67		11.31		30	Pass
HE20	MCS0	2	140	5700	Full	15.64	15.50	18.58	18.67		11.31		30	Pass
HE40	MCS0	2	102	5510	Full	15.28	15.45	18.38	18.67		11.31		30	Pass
HE40	MCS0	2	110	5550	Full	15.42	15.58	18.51	18.67		11.31		30	Pass
HE40	MCS0	2	134	5670	Full	15.36	15.57	18.48	18.67		11.31		30	Pass
HE80	MCS0	2	106	5530	Full	15.47	15.38	18.44	18.67		11.31		30	Pass
HE80	MCS0	2	122	5610	Full	15.42	15.58	18.51	18.67		11.31		30	Pass
HE160	MCS0	2	114	5570	Full	15.44	15.65	18.56	18.67		11.31		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 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
HE20	MCS0	2	144	5720	Full	14.44	14.70	17.58	18.67		11.31		30	Pass
HE40	MCS0	2	142	5710	Full	15.18	15.50	18.35	18.67		11.31		30	Pass
HE80	MCS0	2	138	5690	Full	15.24	15.40	18.33	18.67		11.31		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)		Note
						Ant 1	Ant 3	Ant 1	Ant 3	
EHT20	MCS0	2	36	5180	Full	19.153	19.138	22.984	23.864	-
EHT20	MCS0	2	44	5220	Full	19.188	19.173	23.368	23.776	
EHT20	MCS0	2	48	5240	Full	19.153	19.173	23.416	24.592	
EHT40	MCS0	2	38	5190	Full	38.556	38.546	45.008	45.712	
EHT40	MCS0	2	46	5230	Full	38.386	38.446	45.211	45.520	
EHT80	MCS0	2	42	5210	Full	77.848	77.884	89.696	91.392	
EHT160	MCS0	2	50	5250	Full	157.568	157.688	173.232	172.800	

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 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3	
EHT20	MCS0	2	36	5180	Full	16.30	16.67	19.50	26.70		9.30	-	Pass
EHT20	MCS0	2	44	5220	Full	22.61	22.59	25.61	26.70		9.30		Pass
EHT20	MCS0	2	48	5240	Full	22.15	22.38	25.28	26.70		9.30		Pass
EHT40	MCS0	2	38	5190	Full	15.30	15.57	18.45	26.70		9.30		Pass
EHT40	MCS0	2	46	5230	Full	20.79	20.77	23.79	26.70		9.30		Pass
EHT80	MCS0	2	42	5210	Full	15.20	15.27	18.25	26.70		9.30		Pass
EHT160	MCS0	2	50	5250	Full	13.65	13.77	16.72	26.70		9.30		Pass

FCC U-NII-1 MIMO - EIRP Limit at any elevation angle above 30 degrees														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	V-polarization				H-polarization				Pass /Fail
						Conducted Power (dBm)	DG (dBi)	EIRP (dBm)	EIRP limit (dBm)	Conducted Power (dBm)	DG (dBi)	EIRP (dBm)	EIRP limit (dBm)	
						Ant 1				Ant 3				
EHT20	MCS0	2	36	5180	Full	16.30	-3.84	12.46	21.00	16.67	-1.60	15.07	21.00	Pass
EHT20	MCS0	2	44	5220	Full	22.61	-3.84	18.77	21.00	22.59	-1.60	20.99	21.00	Pass
EHT20	MCS0	2	48	5240	Full	22.15	-3.84	18.31	21.00	22.38	-1.60	20.78	21.00	Pass
EHT40	MCS0	2	38	5190	Full	15.30	-3.84	11.46	21.00	15.57	-1.60	13.97	21.00	Pass
EHT40	MCS0	2	46	5230	Full	20.79	-3.84	16.95	21.00	20.77	-1.60	19.17	21.00	Pass
EHT80	MCS0	2	42	5210	Full	15.20	-3.84	11.36	21.00	15.27	-1.60	13.67	21.00	Pass
EHT160	MCS0	2	50	5250	Full	13.65	-3.84	9.81	21.00	13.77	-1.60	12.17	21.00	Pass

Note 1: The operating mode uses 2 antennas, each of which has one of two polarizations that are orthogonal to one another.

Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other.

EIRP of each polarization must individually be below the limit

Note 3: Note 1 and Note 2 are only applicable for EIRP calculation

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
EHT20	MCS0	2	36	5180	Full	-		6.74	13.70	9.30	-		Pass	
EHT20	MCS0	2	44	5220	Full			12.75	13.70	9.30			Pass	
EHT20	MCS0	2	48	5240	Full			12.55	13.70	9.30			Pass	
EHT40	MCS0	2	38	5190	Full			2.94	13.70	9.30			Pass	
EHT40	MCS0	2	46	5230	Full			7.59	13.70	9.30			Pass	
EHT80	MCS0	2	42	5210	Full			-0.26	13.70	9.30			Pass	
EHT160	MCS0	2	50	5250	Full			-4.97	13.70	9.30			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)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	
EHT20	MCS0	2	52	5260	Full	19.168	19.143	23.320	23.808	23.98		-
EHT20	MCS0	2	60	5300	Full	19.173	19.143	23.480	23.920	23.98		
EHT20	MCS0	2	64	5320	Full	19.183	19.163	23.000	23.552	23.98		
EHT40	MCS0	2	54	5270	Full	38.496	38.526	45.952	46.512	23.98		
EHT40	MCS0	2	62	5310	Full	38.556	38.686	45.504	45.760	23.98		
EHT80	MCS0	2	58	5290	Full	77.884	77.896	89.632	89.504	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 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
EHT20	MCS0	2	52	5260	Full	16.35	16.75	19.56	20.36		9.62		30	Pass
EHT20	MCS0	2	60	5300	Full	16.45	16.67	19.57	20.36		9.62		30	Pass
EHT20	MCS0	2	64	5320	Full	16.37	16.52	19.46	20.36		9.62		30	Pass
EHT40	MCS0	2	54	5270	Full	17.20	17.36	20.29	20.36		9.62		30	Pass
EHT40	MCS0	2	62	5310	Full	13.79	13.80	16.81	20.36		9.62		30	Pass
EHT80	MCS0	2	58	5290	Full	14.10	14.00	17.06	20.36		9.62		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO														
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	RU Config	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
EHT20	MCS0	2	52	5260	Full	-		7.01	7.38	9.62		-	Pass	
EHT20	MCS0	2	60	5300	Full			6.99	7.38	9.62			Pass	
EHT20	MCS0	2	64	5320	Full			6.95	7.38	9.62			Pass	
EHT40	MCS0	2	54	5270	Full			4.70	7.38	9.62			Pass	
EHT40	MCS0	2	62	5310	Full			1.25	7.38	9.62			Pass	
EHT80	MCS0	2	58	5290	Full			-1.62	7.38	9.62			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)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3
EHT20	MCS0	2	100	5500	Full	19.168	19.143	23.736	23.576	23.98		----	----
EHT20	MCS0	2	116	5580	Full	19.158	19.183	23.464	23.832	23.98		----	----
EHT20	MCS0	2	140	5700	Full	19.178	19.153	23.312	23.752	23.98		----	----
EHT40	MCS0	2	102	5510	Full	38.506	38.516	46.192	45.648	23.98		----	----
EHT40	MCS0	2	110	5550	Full	38.516	38.536	45.760	45.328	23.98		----	----
EHT40	MCS0	2	134	5670	Full	38.516	38.536	45.856	45.936	23.98		----	----
EHT80	MCS0	2	106	5530	Full	77.860	77.836	89.376	88.960	23.98		----	----
EHT80	MCS0	2	122	5610	Full	77.860	77.920	89.504	90.208	23.98		----	----
EHT160	MCS0	2	114	5570	Full	157.736	157.712	175.920	171.984	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)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3
EHT20	MCS0	2	144	5720	Full	14.589	14.574	16.528	16.856	23.18		4.52	4.52
EHT40	MCS0	2	142	5710	Full	34.248	34.258	37.544	37.480	23.98		4.152	4.17
EHT80	MCS0	2	138	5690	Full	73.900	73.924	79.288	80.184	23.98		4.152	4.024

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 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
EHT20	MCS0	2	100	5500	Full	15.11	15.10	18.12	18.67		11.31		30	Pass
EHT20	MCS0	2	116	5580	Full	14.99	15.05	18.03	18.67		11.31		30	Pass
EHT20	MCS0	2	140	5700	Full	15.69	15.55	18.63	18.67		11.31		30	Pass
EHT40	MCS0	2	102	5510	Full	15.33	15.50	18.43	18.67		11.31		30	Pass
EHT40	MCS0	2	110	5550	Full	15.47	15.63	18.56	18.67		11.31		30	Pass
EHT40	MCS0	2	134	5670	Full	15.41	15.62	18.53	18.67		11.31		30	Pass
EHT80	MCS0	2	106	5530	Full	15.52	15.43	18.49	18.67		11.31		30	Pass
EHT80	MCS0	2	122	5610	Full	15.47	15.63	18.56	18.67		11.31		30	Pass
EHT160	MCS0	2	114	5570	Full	15.49	15.70	18.61	18.67		11.31		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 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
EHT20	MCS0	2	144	5720	Full	14.49	14.75	17.63	17.87		11.31		30	Pass
EHT40	MCS0	2	142	5710	Full	15.23	15.55	18.40	18.67		11.31		30	Pass
EHT80	MCS0	2	138	5690	Full	15.29	15.45	18.38	18.67		11.31		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
EHT20	MCS0	2	100	5500	Full	-		5.40	5.69	11.31		-	Pass	
EHT20	MCS0	2	116	5580	Full			5.29	5.69	11.31			Pass	
EHT20	MCS0	2	140	5700	Full			5.62	5.69	11.31			Pass	
EHT40	MCS0	2	102	5510	Full			2.79	5.69	11.31			Pass	
EHT40	MCS0	2	110	5550	Full			2.90	5.69	11.31			Pass	
EHT40	MCS0	2	134	5670	Full			2.84	5.69	11.31			Pass	
EHT80	MCS0	2	106	5530	Full			-0.01	5.69	11.31			Pass	
EHT80	MCS0	2	122	5610	Full			-0.03	5.69	11.31			Pass	
EHT160	MCS0	2	114	5570	Full			-2.94	5.69	11.31			Pass	

U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
EHT20	MCS0	2	144	5720	Full	-		4.85	5.69	11.31		-	Pass	
EHT40	MCS0	2	142	5710	Full			2.58	5.69	11.31			Pass	
EHT80	MCS0	2	138	5690	Full			-0.28	5.69	11.31			Pass	

<4x4 Mode>

Test Engineer:	Venkata Kondepudi	Temperature:	18.6~24.6	°C
Test Date:	2024/08/08~2024/12/16	Relative Humidity:	28.9~59.4	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO 4Tx Mode													
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				Note
					Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	
11a	6Mbps	4	36	5180	17.08	17.04	17.02	17.02	22.80	22.81	22.53	22.62	-
11a	6Mbps	4	44	5220	17.10	17.03	17.02	17.04	22.61	22.90	22.96	22.56	
11a	6Mbps	4	48	5240	17.08	17.05	17.03	17.04	22.50	22.74	22.69	22.54	

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO 4Tx Mode																		
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)				DG (dBi)				Pass/Fail
					Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	
11a	6Mbps	4	36	5180	15.84	15.51	16.41	16.40	22.08	26.70				9.30				Pass
11a	6Mbps	4	44	5220	16.44	16.37	16.43	16.89	22.56	26.70				9.30				Pass
11a	6Mbps	4	48	5240	16.42	16.31	16.59	16.90	22.58	26.70				9.30				Pass
HT20	MCS0	4	36	5180	15.66	15.46	16.10	16.34	21.92	26.70				9.30				Pass
HT20	MCS0	4	44	5220	17.03	16.82	16.81	17.41	23.04	26.70				9.30				Pass
HT20	MCS0	4	48	5240	17.01	16.77	17.23	17.43	23.14	26.70				9.30				Pass
HT40	MCS0	4	38	5190	15.26	15.15	15.93	15.88	21.59	26.70				9.30				Pass
HT40	MCS0	4	46	5230	19.33	18.71	19.31	19.56	25.05	26.70				9.30				Pass
VHT20	MCS0	4	36	5180	15.68	15.47	16.07	16.38	21.93	26.70				9.30				Pass
VHT20	MCS0	4	44	5220	17.03	16.76	16.85	17.17	22.98	26.70				9.30				Pass
VHT20	MCS0	4	48	5240	17.05	16.71	17.05	17.21	23.03	26.70				9.30				Pass
VHT40	MCS0	4	38	5190	15.27	15.16	15.97	15.86	21.60	26.70				9.30				Pass
VHT40	MCS0	4	46	5230	19.35	18.67	19.31	19.75	25.31	26.70				9.30				Pass
VHT80	MCS0	4	42	5210	13.07	12.61	13.40	13.36	19.14	26.70				9.30				Pass
VHT160	MCS0	4	50	5250	12.19	11.97	12.63	12.52	18.36	26.70				9.30				Pass

FCC U-NII-1 MIMO 4Tx Mode - EIRP Limit at any elevation angle above 30 degrees																	
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	V-polarization						H-polarization						Pass /Fail
					Average Conducted Power (dBm)			DG (dBi)	Max EIRP (dBm)	EIRP Limit (dBm)	Average Conducted Power (dBm)			DG (dBi)	Max EIRP (dBm)	EIRP Limit (dBm)	
					Ant 1	Ant 2	SUM				Ant 3	Ant 4	SUM				
11a	6Mbps	4	36	5180	15.84	16.41	19.14	-3.84	15.30	21.00	15.51	16.40	18.99	-1.60	17.39	21.00	Pass
11a	6Mbps	4	44	5220	16.44	16.43	19.45	-3.84	15.61	21.00	16.37	16.89	19.65	-1.60	18.05	21.00	Pass
11a	6Mbps	4	48	5240	16.42	16.59	19.52	-3.84	15.68	21.00	16.31	16.90	19.63	-1.60	18.03	21.00	Pass
HT20	MCS0	4	36	5180	15.66	16.10	18.90	-3.84	15.06	21.00	15.46	16.34	18.93	-1.60	17.33	21.00	Pass
HT20	MCS0	4	44	5220	17.03	16.81	19.93	-3.84	16.09	21.00	16.82	17.41	20.14	-1.60	18.54	21.00	Pass
HT20	MCS0	4	48	5240	17.01	17.23	20.13	-3.84	16.29	21.00	16.77	17.43	20.12	-1.60	18.52	21.00	Pass
HT40	MCS0	4	38	5190	15.26	15.93	18.62	-3.84	14.78	21.00	15.15	15.88	18.54	-1.60	16.94	21.00	Pass
HT40	MCS0	4	46	5230	19.33	19.31	22.33	-3.84	18.49	21.00	18.71	19.56	22.17	-1.60	20.57	21.00	Pass
VHT20	MCS0	4	36	5180	15.68	16.07	18.89	-3.84	15.05	21.00	15.47	16.38	18.96	-1.60	17.36	21.00	Pass
VHT20	MCS0	4	44	5220	17.03	16.85	19.95	-3.84	16.11	21.00	16.76	17.17	19.98	-1.60	18.38	21.00	Pass
VHT20	MCS0	4	48	5240	17.05	17.05	20.06	-3.84	16.22	21.00	16.71	17.21	19.98	-1.60	18.38	21.00	Pass
VHT40	MCS0	4	38	5190	15.27	15.97	18.64	-3.84	14.80	21.00	15.16	15.86	18.53	-1.60	16.93	21.00	Pass
VHT40	MCS0	4	46	5230	19.35	19.31	22.34	-3.84	18.50	21.00	18.67	19.75	22.25	-1.60	20.65	21.00	Pass
VHT80	MCS0	4	42	5210	13.07	13.40	16.25	-3.84	12.41	21.00	12.61	13.36	16.01	-1.60	14.41	21.00	Pass
VHT160	MCS0	4	50	5250	12.19	12.63	15.43	-3.84	11.59	21.00	11.97	12.52	15.26	-1.60	13.66	21.00	Pass

Note 1: The operating mode uses 4 antennas, each of which has one of two polarizations that are orthogonal to one another.

Each polarization has 2 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other.

EIRP of each polarization must individually be below the limit

Note 3: Note 1 and Note 2 are only applicable for EIRP calculation

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO 4Tx Mode																			
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density with Duty Factor (dBm/MHz)					Average PSD Limit (dBm/MHz)				DG (dBi)				Pass /Fail	
					Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4		
11a	6Mbps	4	36	5180	-				9.70	10.94				12.06				-	Pass
11a	6Mbps	4	44	5220	-				10.47	10.94				12.06					Pass
11a	6Mbps	4	48	5240	-				10.36	10.94				12.06					Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO 4Tx Mode																	
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				FCC 26dB Bandwidth Power Limit (dBm)				Note
					Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	
11a	6Mbps	4	52	5260	17.11	17.05	17.04	17.05	22.41	22.87	22.90	22.98	23.98				-
11a	6Mbps	4	60	5300	17.09	17.05	17.05	17.06	22.56	23.17	22.97	22.58	23.98				
11a	6Mbps	4	64	5320	17.09	17.10	17.06	17.05	22.68	23.20	23.12	22.70	23.98				

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO 4Tx Mode																			
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 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4		
11a	6Mbps	4	52	5260	10.97	10.68	10.96	11.32	17.01	20.36				9.62				30.00	Pass
11a	6Mbps	4	60	5300	11.08	10.51	11.05	10.85	16.90	20.36				9.62				30.00	Pass
11a	6Mbps	4	64	5320	10.93	10.71	11.05	10.73	16.88	20.36				9.62				30.00	Pass
HT20	MCS0	4	52	5260	11.44	11.21	11.56	11.77	17.52	20.36				9.62				30.00	Pass
HT20	MCS0	4	60	5300	11.66	11.06	11.47	11.52	17.45	20.36				9.62				30.00	Pass
HT20	MCS0	4	64	5320	11.42	11.48	11.52	11.47	17.49	20.36				9.62				30.00	Pass
HT40	MCS0	4	54	5270	14.16	13.70	13.98	14.05	19.91	20.36				9.62				30.00	Pass
HT40	MCS0	4	62	5310	14.14	14.00	14.24	14.15	20.11	20.36				9.62				30.00	Pass
VHT20	MCS0	4	52	5260	11.48	11.24	11.56	11.75	17.53	20.36				9.62				30.00	Pass
VHT20	MCS0	4	60	5300	11.62	11.03	11.46	11.43	17.41	20.36				9.62				30.00	Pass
VHT20	MCS0	4	64	5320	11.42	11.50	11.48	11.44	17.48	20.36				9.62				30.00	Pass
VHT40	MCS0	4	54	5270	14.20	13.71	14.02	14.11	20.03	20.36				9.62				30.00	Pass
VHT40	MCS0	4	62	5310	14.20	13.92	14.17	14.18	20.14	20.36				9.62				30.00	Pass
VHT80	MCS0	4	58	5290	14.39	14.04	14.22	14.41	20.29	20.36				9.62				30.00	Pass
VHT160	MCS0	4	50	5250	12.19	11.97	12.63	12.52	18.36	20.36				9.62				30.00	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO 4Tx Mode																			
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Power Density with Duty Factor (dBm/MHz)					Average PSD Limit (dBm/MHz)				DG (dBi)					Pass /Fail
					Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4		
11a	6Mbps	4	52	5260	-				4.80	5.06				11.94				-	Pass
11a	6Mbps	4	60	5300	-				4.61	5.06				11.94					Pass
11a	6Mbps	4	64	5320	-				4.69	5.06				11.94					Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO 4Tx Mode																				
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)				26 dB Bandwidth In U-NII 2C (MHz)				FCC 26dB Bandwidth Power Limit (dBm)				6 dB Bandwidth for Straddle Channel (MHz)			
					Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4
11a	6Mbps	4	100	5500	17.11	17.09	17.06	17.10	22.58	23.10	23.08	22.85	23.98				-----			
11a	6Mbps	4	116	5580	17.08	17.12	17.08	17.07	22.59	22.90	22.97	22.89	23.98				-----			
11a	6Mbps	4	140	5700	17.07	17.07	17.05	17.05	22.63	23.03	22.09	22.54	23.98				-----			

U-NII-2C straddle channel MIMO 4Tx Mode																				
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)				26 dB Bandwidth In U-NII 2C (MHz)				FCC 26dB Bandwidth Power Limit (dBm)				6 dB Bandwidth for Straddle Channel (MHz)			
					Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4
11a	6Mbps	4	144	5720	13.55	13.52	13.53	13.54	16.30	16.30	16.21	16.30	23.12				3.2	3.21	3.2	3.21

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO 4Tx Mode																			
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 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4		
11a	6Mbps	4	100	5500	9.42	9.13	9.91	10.41	15.77	18.67				11.31				30.00	Pass
11a	6Mbps	4	116	5580	9.57	9.42	9.38	9.78	15.56	18.67				11.31				30.00	Pass
11a	6Mbps	4	140	5700	9.80	9.41	9.73	10.46	15.89	18.67				11.31				30.00	Pass
HT20	MCS0	4	100	5500	9.86	9.49	10.3	10.92	16.20	18.67				11.31				30.00	Pass
HT20	MCS0	4	116	5580	10.54	10.41	10.5	10.83	16.59	18.67				11.31				30.00	Pass
HT20	MCS0	4	140	5700	10.29	9.89	10.27	10.92	16.38	18.67				11.31				30.00	Pass
HT40	MCS0	4	102	5510	12.06	11.72	12.56	13	18.05	18.67				11.31				30.00	Pass
HT40	MCS0	4	110	5550	11.85	11.88	12.49	12.84	18.05	18.67				11.31				30.00	Pass
HT40	MCS0	4	134	5670	12.23	12.18	12.16	12.59	18.21	18.67				11.31				30.00	Pass
VHT20	MCS0	4	100	5500	9.85	9.45	10.27	10.94	16.18	18.67				11.31				30.00	Pass
VHT20	MCS0	4	116	5580	10.53	10.39	10.46	10.91	16.60	18.67				11.31				30.00	Pass
VHT20	MCS0	4	140	5700	10.28	9.87	10.23	10.95	16.37	18.67				11.31				30.00	Pass
VHT40	MCS0	4	102	5510	12.08	11.56	12.53	12.98	18.34	18.67				11.31				30.00	Pass
VHT40	MCS0	4	110	5550	11.93	11.83	12.43	12.86	18.30	18.67				11.31				30.00	Pass
VHT40	MCS0	4	134	5670	12.28	12.26	12.23	12.69	18.39	18.67				11.31				30.00	Pass
VHT80	MCS0	4	106	5530	12.07	12.18	12.58	12.95	18.48	18.67				11.31				30.00	Pass
VHT80	MCS0	4	122	5610	12.52	12.27	12.29	12.86	18.51	18.67				11.31				30.00	Pass
VHT160	MCS0	4	114	5570	12.06	11.76	12.27	12.76	18.25	18.67				11.31				30.00	Pass

FCC U-NII-2C straddle channel MIMO 4Tx Mode																			
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 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4		
11a	6Mbps	4	144	5720	9.79	9.43	9.85	10.06	15.81	17.81				11.31				30.00	Pass
HT20	MCS0	4	144	5720	9.79	9.53	9.89	10.13	15.86	18.67				11.31				30.00	Pass
HT40	MCS0	4	142	5710	12.52	11.60	12.48	12.89	18.09	18.67				11.31				30.00	Pass
VHT20	MCS0	4	144	5720	9.75	9.41	9.77	10.02	15.76	18.67				11.31				30.00	Pass
VHT40	MCS0	4	142	5710	12.50	11.58	12.47	12.86	18.40	18.67				11.31				30.00	Pass
VHT80	MCS0	4	138	5690	12.27	12.10	12.21	12.50	18.29	18.67				11.31				30.00	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO 4Tx Mode																			
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Power Density with Duty Factor (dBm/MHz)					Average PSD Limit (dBm/MHz)				DG (dBi)				Pass /Fail	
					Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4		
11a	6Mbps	4	100	5500	-				3.84	3.91				13.09				-	Pass
11a	6Mbps	4	116	5580	-				3.44	3.91				13.09					Pass
11a	6Mbps	4	140	5700	-				3.67	3.91				13.09					Pass

U-NII-2C straddle channel MIMO 4Tx Mode																		
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)				Average PSD Limit (dBm/MHz)				DG (dBi)					Pass /Fail
					Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2		
11a	#####	4	144	5720		-			3.66		3.91				13.09		-	Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO 4Tx Mode																			
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)				DG (dBi)				Pass/Fail
						Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	
HE20	MCS0	4	36	5180	Full	15.88	15.50	16.15	16.43	22.02	26.70				9.30				Pass
HE20	MCS0	4	44	5220	Full	17.14	16.96	16.93	17.54	23.17	26.70				9.30				Pass
HE20	MCS0	4	48	5240	Full	17.08	16.84	17.29	17.48	23.20	26.70				9.30				Pass
HE40	MCS0	4	38	5190	Full	15.28	15.19	15.99	15.88	21.62	26.70				9.30				Pass
HE40	MCS0	4	46	5230	Full	19.35	18.66	19.29	19.48	25.23	26.70				9.30				Pass
HE80	MCS0	4	42	5210	Full	13.09	12.62	13.46	13.37	19.17	26.70				9.30				Pass
HE160	MCS0	4	50	5250	Full	12.20	12.05	12.64	12.53	18.38	26.70				9.30				Pass

FCC U-NII-1 MIMO 4Tx Mode - EIRP Limit at any elevation angle above 30 degrees																		
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	V-polarization						H-polarization						Pass /Fail
						Average Conducted Power (dBm)			DG (dBi)	Max EIRP (dBm)	EIRP Limit (dBm)	Average Conducted Power (dBm)			DG (dBi)	Max EIRP (dBm)	EIRP Limit (dBm)	
						Ant 1	Ant 2	SUM				Ant 3	Ant 4	SUM				
HE20	MCS0	4	36	5180	Full	15.88	16.15	19.03	-3.84	15.19	21.00	15.50	16.43	19.00	-1.60	17.4	21.00	Pass
HE20	MCS0	4	44	5220	Full	17.14	16.93	20.05	-3.84	16.21	21.00	16.96	17.54	20.27	-1.60	18.67	21.00	Pass
HE20	MCS0	4	48	5240	Full	17.08	17.29	20.20	-3.84	16.36	21.00	16.84	17.48	20.18	-1.60	18.58	21.00	Pass
HE40	MCS0	4	38	5190	Full	15.28	15.99	18.66	-3.84	14.82	21.00	15.19	15.88	18.56	-1.60	16.96	21.00	Pass
HE40	MCS0	4	46	5230	Full	19.35	19.29	22.33	-3.84	18.49	21.00	18.66	19.48	22.10	-1.60	20.50	21.00	Pass
HE80	MCS0	4	42	5210	Full	13.09	13.46	16.29	-3.84	12.45	21.00	12.62	13.37	16.02	-1.60	14.42	21.00	Pass
HE160	MCS0	4	50	5250	Full	12.20	12.64	15.44	-3.84	11.60	21.00	12.05	12.53	15.31	-1.60	13.71	21.00	Pass

Note 1: The operating mode uses 4 antennas, each of which has one of two polarizations that are orthogonal to one another.

Each polarization has 2 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other.

EIRP of each polarization must individually be below the limit

Note 3: Note 1 and Note 2 are only applicable for EIRP calculation

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO 4Tx Mode																				
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 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4		
HE20	MCS0	4	52	5260	Full	11.51	11.30	11.63	11.88	17.61	20.36				9.62				30.00	Pass
HE20	MCS0	4	60	5300	Full	11.71	11.12	11.56	11.50	17.50	20.36				9.62				30.00	Pass
HE20	MCS0	4	64	5320	Full	11.46	11.53	11.51	11.47	17.51	20.36				9.62				30.00	Pass
HE40	MCS0	4	54	5270	Full	14.13	13.69	14.00	14.11	20.01	20.36				9.62				30.00	Pass
HE40	MCS0	4	62	5310	Full	14.20	13.91	14.13	14.14	20.12	20.36				9.62				30.00	Pass
HE80	MCS0	4	58	5290	Full	14.44	13.99	14.22	14.40	20.29	20.36				9.62				30.00	Pass
HE160	MCS0	4	50	5250	Full	12.20	12.05	12.64	12.53	18.38	20.36				9.62				30.00	Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO 4Tx Mode																				
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 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4		
HE20	MCS0	4	100	5500	Full	9.52	9.28	10.06	10.64	15.93						18.67	11.31	30.00	Pass	
HE20	MCS0	4	116	5580	Full	10.16	10.06	10.17	10.38	16.21						18.67	11.31	30.00	Pass	
HE20	MCS0	4	140	5700	Full	9.91	9.53	9.9	10.62	16.03						18.67	11.31	30.00	Pass	
HE40	MCS0	4	102	5510	Full	12.14	11.64	12.49	12.94	18.35						18.67	11.31	30.00	Pass	
HE40	MCS0	4	110	5550	Full	11.83	11.82	12.42	12.81	18.26						18.67	11.31	30.00	Pass	
HE40	MCS0	4	134	5670	Full	12.16	12.27	12.15	12.62	18.32						18.67	11.31	30.00	Pass	
HE80	MCS0	4	106	5530	Full	12.12	12.18	12.58	12.93	18.49						18.67	11.31	30.00	Pass	
HE80	MCS0	4	122	5610	Full	12.56	12.22	12.27	12.76	18.48						18.67	11.31	30.00	Pass	
HE160	MCS0	4	114	5570	Full	12.03	11.77	12.18	12.81	18.24						18.67	11.31	30.00	Pass	

FCC U-NII-2C straddle channel MIMO 4Tx Mode																				
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 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4		
HE20	MCS0	4	144	5720	Full	9.38	9.04	9.52	9.78	15.46	18.67				11.31				30.00	Pass
HE40	MCS0	4	142	5710	Full	12.41	11.54	12.42	12.85	18.35	18.67				11.31				30.00	Pass
HE80	MCS0	4	138	5690	Full	12.24	12.06	12.2	12.55	18.29	18.67				11.31				30.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO 4Tx Mode														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				Note
						Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	
EHT20	MCS0	4	36	5180	Full	19.16	19.18	19.19	19.19	23.40	23.51	23.58	23.90	-
EHT20	MCS0	4	44	5220	Full	19.19	19.21	19.18	19.20	23.14	23.26	23.93	24.21	
EHT20	MCS0	4	48	5240	Full	19.18	19.20	19.20	19.19	23.41	23.30	23.82	24.41	
EHT40	MCS0	4	38	5190	Full	38.56	38.57	38.51	38.48	46.18	46.19	45.46	46.43	
EHT40	MCS0	4	46	5230	Full	38.55	38.53	38.51	38.49	45.60	45.92	45.68	45.66	
EHT80	MCS0	4	42	5210	Full	77.86	77.84	77.82	77.80	90.27	89.28	91.46	90.69	
EHT160	MCS0	4	50	5250	Full	157.52	157.57	157.71	157.66	173.81	172.90	171.02	172.99	

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO 4Tx Mode																			
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)				DG (dBi)				Pass/Fail
						Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	
EHT20	MCS0	4	36	5180	Full	15.83	15.57	16.13	16.44	22.03	26.70				9.30				Pass
EHT20	MCS0	4	44	5220	Full	17.14	17.01	17.11	17.39	23.19	26.70				9.30				Pass
EHT20	MCS0	4	48	5240	Full	17.19	16.95	17.42	17.42	23.27	26.70				9.30				Pass
EHT40	MCS0	4	38	5190	Full	15.71	15.41	16.22	16.17	21.91	26.70				9.30				Pass
EHT40	MCS0	4	46	5230	Full	19.51	18.83	19.42	19.69	25.39	26.70				9.30				Pass
EHT80	MCS0	4	42	5210	Full	13.15	12.64	13.49	13.40	19.20	26.70				9.30				Pass
EHT160	MCS0	4	50	5250	Full	12.26	12.12	12.65	12.56	18.42	26.70				9.30				Pass

FCC U-NII-1 MIMO 4Tx Mode - EIRP Limit at any elevation angle above 30 degrees																		
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	V-polarization						H-polarization						Pass /Fail
						Average Conducted Power (dBm)			DG (dBi)	Max EIRP (dBm)	EIRP Limit (dBm)	Average Conducted Power (dBm)			DG (dBi)	Max EIRP (dBm)	EIRP Limit (dBm)	
						Ant 1	Ant 2	SUM				Ant 3	Ant 4	SUM				
EHT20	MCS0	4	36	5180	Full	15.83	16.13	18.99	-3.84	15.15	21.00	15.57	16.44	19.04	-1.60	17.44	21.00	Pass
EHT20	MCS0	4	44	5220	Full	17.14	17.11	20.14	-3.84	16.30	21.00	17.01	17.39	20.21	-1.60	18.61	21.00	Pass
EHT20	MCS0	4	48	5240	Full	17.19	17.42	20.32	-3.84	16.48	21.00	16.95	17.42	20.20	-1.60	18.60	21.00	Pass
EHT40	MCS0	4	38	5190	Full	15.71	16.22	18.98	-3.84	15.14	21.00	15.41	16.17	18.82	-1.60	17.22	21.00	Pass
EHT40	MCS0	4	46	5230	Full	19.51	19.42	22.48	-3.84	18.64	21.00	18.83	19.69	22.29	-1.60	20.69	21.00	Pass
EHT80	MCS0	4	42	5210	Full	13.15	13.49	16.33	-3.84	12.49	21.00	12.64	13.40	16.05	-1.60	14.45	21.00	Pass
EHT160	MCS0	4	50	5250	Full	12.26	12.65	15.47	-3.84	11.63	21.00	12.12	12.56	15.36	-1.60	13.76	21.00	Pass

Note 1: The operating mode uses 4 antennas, each of which has one of two polarizations that are orthogonal to one another.

Each polarization has 2 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other.

EIRP of each polarization must individually be below the limit

Note 3: Note 1 and Note 2 are only applicable for EIRP calculation

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO 4Tx Mode																			
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Power Density with Duty Factor (dBm/MHz)					Average PSD Limit (dBm/MHz)				DG (dBi)				Pass /Fail
						Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	
EHT20	MCS0	4	36	5180	Full	-	-	-	-	9.16	10.94	10.94	10.94	10.94	12.06	12.06	12.06	12.06	Pass
EHT20	MCS0	4	44	5220	Full	-	-	-	-	10.56	10.94	10.94	10.94	10.94	12.06	12.06	12.06	12.06	Pass
EHT20	MCS0	4	48	5240	Full	-	-	-	-	10.60	10.94	10.94	10.94	10.94	12.06	12.06	12.06	12.06	Pass
EHT40	MCS0	4	38	5190	Full	-	-	-	-	6.01	10.94	10.94	10.94	10.94	12.06	12.06	12.06	12.06	Pass
EHT40	MCS0	4	46	5230	Full	-	-	-	-	9.80	10.94	10.94	10.94	10.94	12.06	12.06	12.06	12.06	Pass
EHT80	MCS0	4	42	5210	Full	-	-	-	-	0.38	10.94	10.94	10.94	10.94	12.06	12.06	12.06	12.06	Pass
EHT160	MCS0	4	50	5250	Full	-	-	-	-	-3.32	10.94	10.94	10.94	10.94	12.06	12.06	12.06	12.06	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO 4Tx Mode																		
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)				26 dB Bandwidth (MHz)				FCC 26dB Bandwidth Power Limit (dBm)				Note
						Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	
EHT20	MCS0	4	52	5260	Full	19.17	19.21	19.19	19.23	23.53	23.08	24.02	23.54	23.98				-
EHT20	MCS0	4	60	5300	Full	19.16	19.17	19.15	19.21	23.34	23.18	23.78	23.93	23.98				
EHT20	MCS0	4	64	5320	Full	19.17	19.16	19.19	19.18	23.16	23.48	23.77	23.82	23.98				
EHT40	MCS0	4	54	5270	Full	38.56	38.53	38.55	38.52	46.27	45.86	45.36	46.10	23.98				
EHT40	MCS0	4	62	5310	Full	38.54	38.50	38.52	38.49	45.25	45.49	45.31	45.09	23.98				
EHT80	MCS0	4	58	5290	Full	77.85	77.82	77.91	77.90	91.49	88.51	90.50	90.43	23.98				

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO 4Tx Mode																				
Mod.	Data Rate	N _{rx}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)				DG (dBi)				EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4		
EHT20	MCS0	4	52	5260	Full	11.54	11.25	11.7	11.88	17.62	20.36				9.62				30.00	Pass
EHT20	MCS0	4	60	5300	Full	11.73	11.13	11.56	11.57	17.52	20.36				9.62				30.00	Pass
EHT20	MCS0	4	64	5320	Full	11.44	11.46	11.61	11.50	17.52	20.36				9.62				30.00	Pass
EHT40	MCS0	4	54	5270	Full	14.29	13.97	14.10	14.30	20.19	20.36				9.62				30.00	Pass
EHT40	MCS0	4	62	5310	Full	14.39	14.21	14.28	14.31	20.32	20.36				9.62				30.00	Pass
EHT80	MCS0	4	58	5290	Full	14.37	14.04	14.27	14.45	20.31	20.36				9.62				30.00	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO 4Tx Mode																					
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Power Density with Duty Factor (dBm/MHz)					Average PSD Limit (dBm/MHz)				DG (dBi)				Pass /Fail		
						Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4			
EHT20	MCS0	4	52	5260	Full	-					4.61				5.06				-	Pass	
EHT20	MCS0	4	60	5300	Full	-					4.51				5.06					11.94	Pass
EHT20	MCS0	4	64	5320	Full	-					4.61				5.06					11.94	Pass
EHT40	MCS0	4	54	5270	Full	-					4.60				5.06					11.94	Pass
EHT40	MCS0	4	62	5310	Full	-					4.75				5.06					11.94	Pass
EHT80	MCS0	4	58	5290	Full	-					2.04				5.06					11.94	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO 4Tx Mode																					
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)				FCC 26dB Bandwidth Power Limit (dBm)				6 dB Bandwidth for Straddle Channel (MHz)			
						Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4
EHT20	MCS0	4	100	5500	Full	19.15	19.18	19.16	19.17	23.35	23.63	23.71	23.65	23.98				----	----	----	----
EHT20	MCS0	4	116	5580	Full	19.17	19.16	19.15	19.19	23.39	23.53	23.86	23.90	23.98				----	----	----	----
EHT20	MCS0	4	140	5700	Full	19.27	19.30	19.14	19.20	23.30	23.36	23.87	24.62	23.98				----	----	----	----
EHT40	MCS0	4	102	5510	Full	38.56	38.53	38.55	38.52	45.78	45.46	45.44	45.41	23.98				----	----	----	----
EHT40	MCS0	4	110	5550	Full	38.61	38.60	38.54	38.48	45.71	45.76	45.70	45.54	23.98				----	----	----	----
EHT40	MCS0	4	134	5670	Full	38.56	38.52	38.53	38.50	46.19	45.65	45.73	46.03	23.98				----	----	----	----
EHT80	MCS0	4	106	5530	Full	77.85	77.84	77.92	77.88	91.81	90.50	91.39	89.63	23.98				----	----	----	----
EHT80	MCS0	4	122	5610	Full	77.88	77.86	77.93	77.90	89.63	90.59	90.34	89.73	23.98				----	----	----	----
EHT160	MCS0	4	114	5570	Full	157.83	157.76	157.74	157.59	174.58	175.06	172.61	169.49	23.98				----	----	----	----

U-NII-2C straddle channel MIMO 4Tx Mode																					
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)				FCC 26dB Bandwidth Power Limit (dBm)				6 dB Bandwidth for Straddle Channel (MHz)			
						Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4
EHT20	MCS0	4	144	5720	Full	14.56	14.56	14.55	14.58	16.65	16.90	16.62	16.65	23.21				4.56	4.54	4.545	4.545
EHT40	MCS0	4	142	5710	Full	34.25	34.22	34.24	34.24	37.61	37.94	38.20	37.91	23.98				4.08	4.197	4.107	4.107
EHT80	MCS0	4	138	5690	Full	73.86	73.90	73.91	73.91	80.31	79.93	80.34	80.38	23.98				4.088	4.12	4.104	4.104

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO 4Tx Mode																				
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)				DG (dBi)				EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4		
EHT20	MCS0	4	100	5500	Full	9.85	9.42	10.36	10.97	16.21	18.67				11.31				30.00	Pass
EHT20	MCS0	4	116	5580	Full	10.53	10.37	10.57	10.88	16.61	18.67				11.31				30.00	Pass
EHT20	MCS0	4	140	5700	Full	10.26	9.98	10.26	11.01	16.42	18.67				11.31				30.00	Pass
EHT40	MCS0	4	102	5510	Full	12.29	11.74	12.63	13.04	18.47	18.67				11.31				30.00	Pass
EHT40	MCS0	4	110	5550	Full	12.13	12.09	12.65	13.01	18.51	18.67				11.31				30.00	Pass
EHT40	MCS0	4	134	5670	Full	12.44	12.47	12.42	12.86	18.57	18.67				11.31				30.00	Pass
EHT80	MCS0	4	106	5530	Full	12.10	12.19	12.6	12.96	18.50	18.67				11.31				30.00	Pass
EHT80	MCS0	4	122	5610	Full	12.60	12.28	12.4	12.84	18.56	18.67				11.31				30.00	Pass
EHT160	MCS0	4	114	5570	Full	12.03	11.78	12.31	12.84	18.28	18.67				11.31				30.00	Pass

FCC U-NII-2C straddle channel MIMO 4Tx Mode																				
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)				DG (dBi)				EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4		
EHT20	MCS0	4	144	5720	Full	9.78	9.56	9.97	10.11	15.88	17.90				11.31				30.00	Pass
EHT40	MCS0	4	142	5710	Full	12.52	11.64	12.71	13.01	18.52	18.67				11.31				30.00	Pass
EHT80	MCS0	4	138	5690	Full	12.26	12.08	12.24	12.63	18.33	18.67				11.31				30.00	Pass

TEST RESULTS DATA
Power Spectral Density

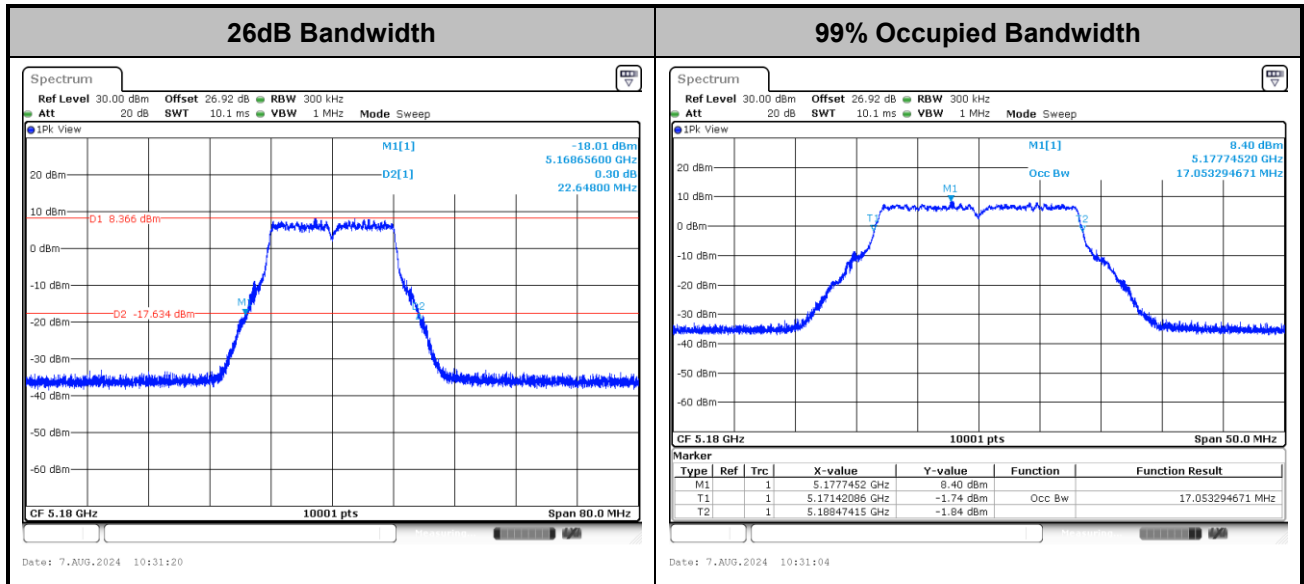
U-NII-2C MIMO 4Tx Mode																				
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Power Density with Duty Factor (dBm/MHz)					Average PSD Limit (dBm/MHz)				DG (dBi)				Pass /Fail	
						Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4		
EHT20	MCS0	4	100	5500	Full	-				3.37	3.91				13.09				-	Pass
EHT20	MCS0	4	116	5580	Full	-				3.73	3.91				13.09					Pass
EHT20	MCS0	4	140	5700	Full	-				3.43	3.91				13.09					Pass
EHT40	MCS0	4	102	5510	Full	-				2.96	3.91				13.09					Pass
EHT40	MCS0	4	110	5550	Full	-				2.91	3.91				13.09					Pass
EHT40	MCS0	4	134	5670	Full	-				2.99	3.91				13.09					Pass
EHT80	MCS0	4	106	5530	Full	-				0.32	3.91				13.09					Pass
EHT80	MCS0	4	122	5610	Full	-				0.35	3.91				13.09					Pass
EHT160	MCS0	4	114	5570	Full	-				-2.79	3.91				13.09					Pass

U-NII-2C straddle channel MIMO 4Tx Mode																				
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)					Average PSD Limit (dBm/MHz)				DG (dBi)					Pass /Fail
						Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1	Ant 3	Ant 2	Ant 4	Ant 1	Ant 3	Ant 2	Ant 4		
EHT20	MCS0	4	144	5720	Full	-				3.43	3.91				13.09				-	Pass
EHT40	MCS0	4	142	5710	Full	-				3.17	3.91				13.09					Pass
EHT80	MCS0	4	138	5690	Full	-				0.13	3.91				13.09					Pass

**Test Result of 26dB & 99% Occupied Bandwidth**

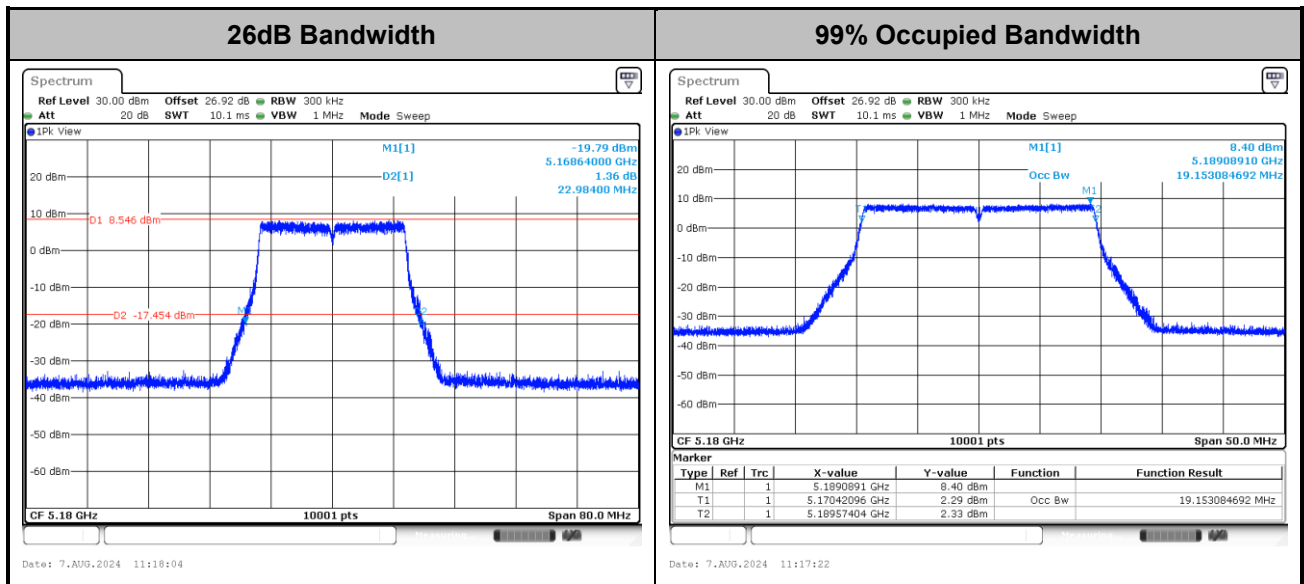
MIMO <Ant. 1+3>

<802.11a>



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

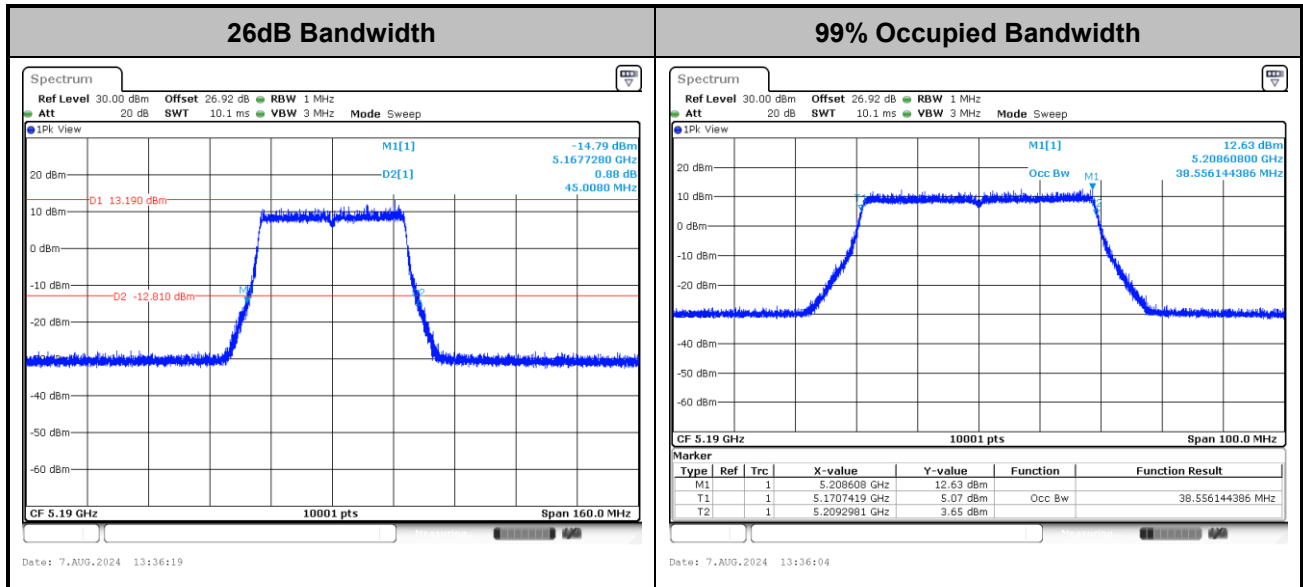
<802.11be EHT20>



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

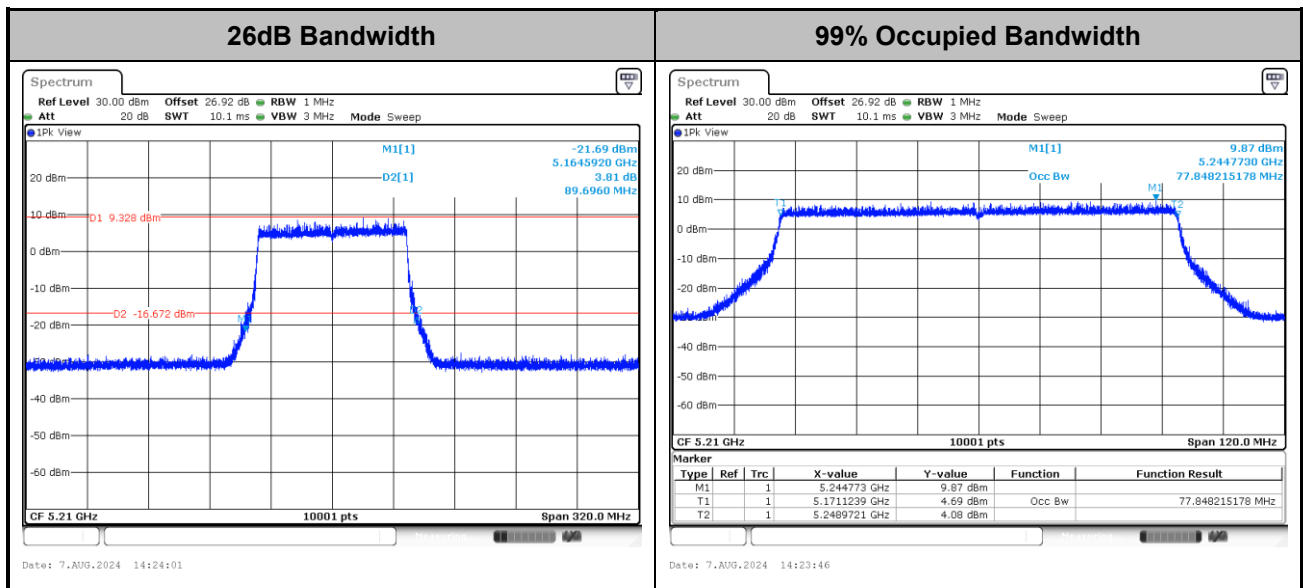


<802.11be EHT40>



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

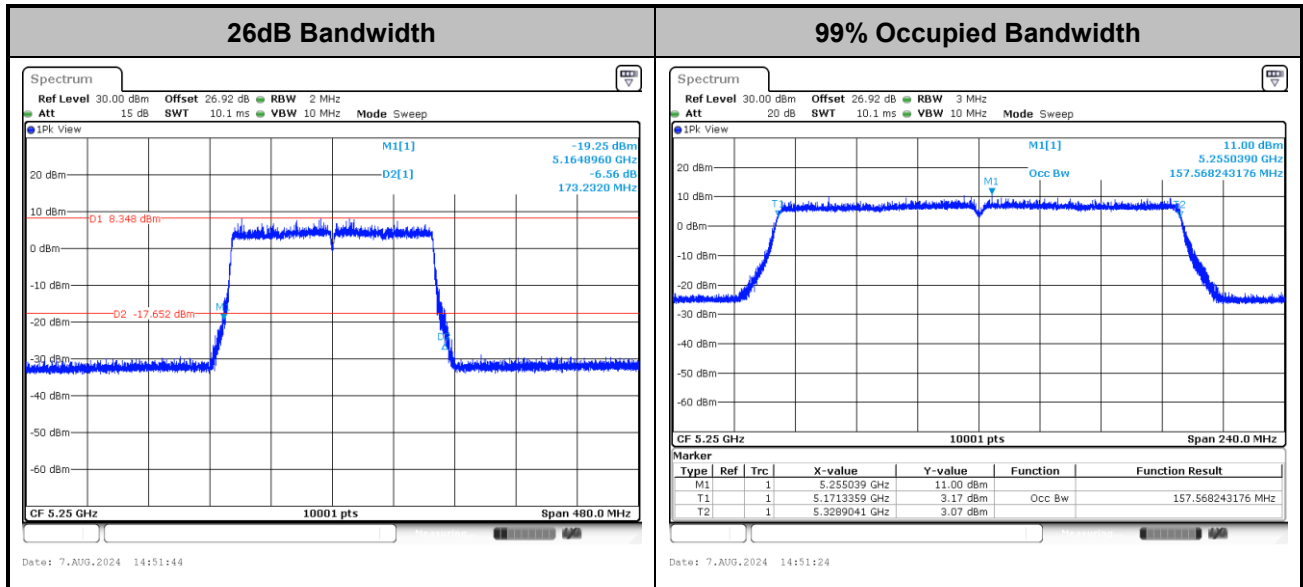
<802.11be EHT80>



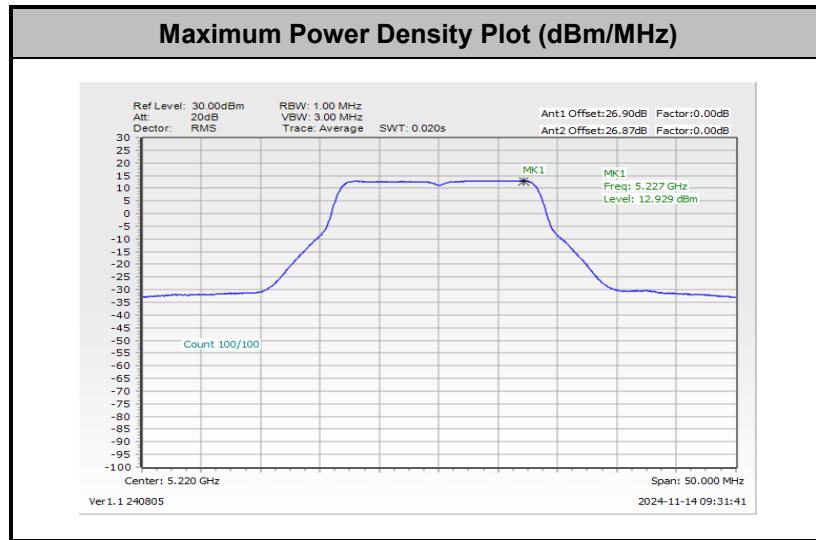
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



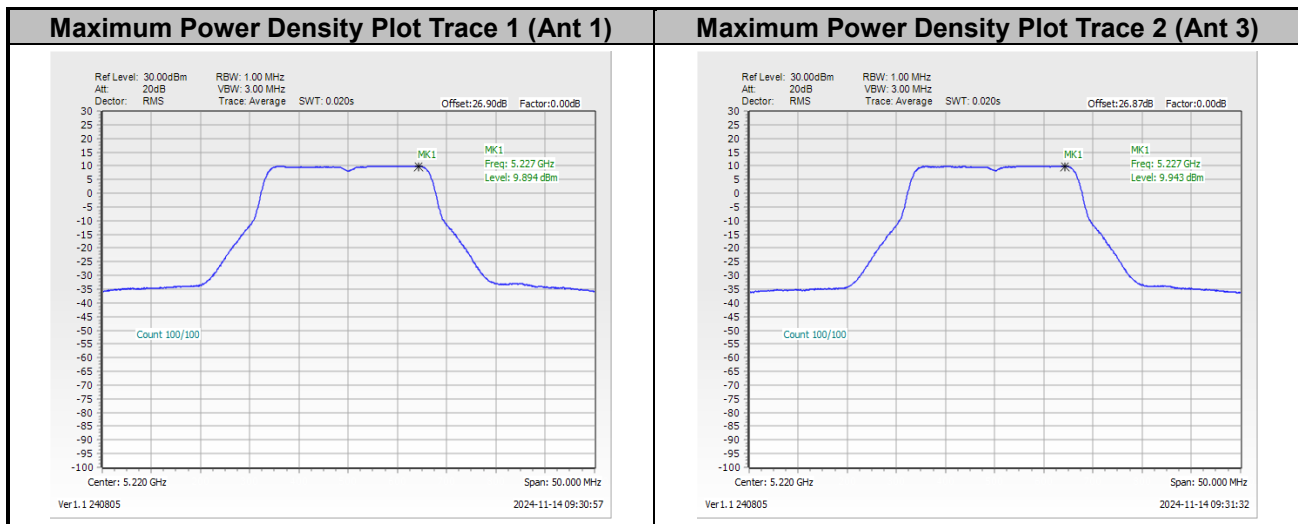
<802.11be EHT160>



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

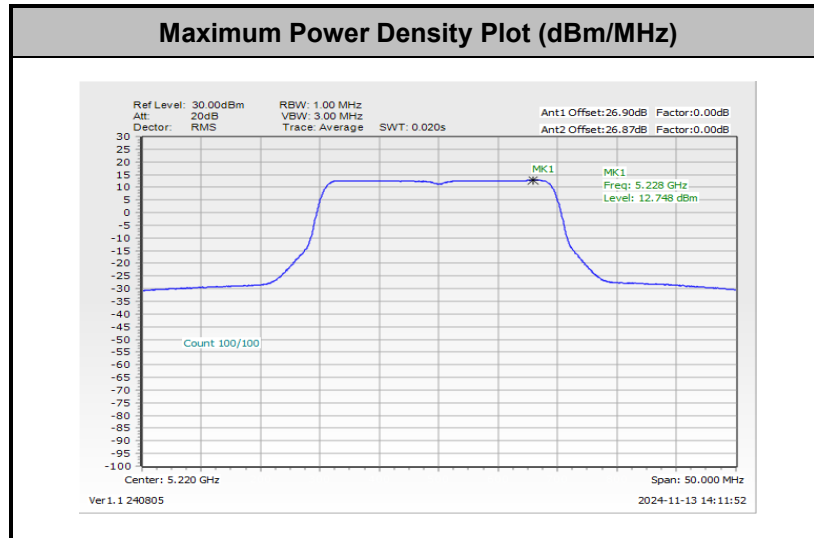
Test Result of Power Spectral Density
<802.11a>


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

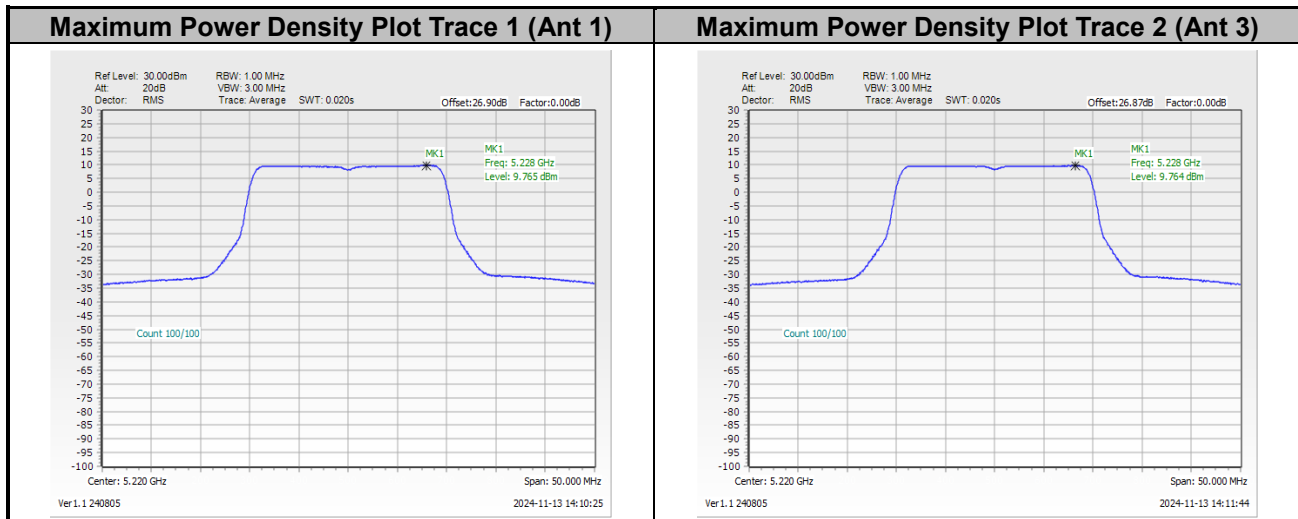




<802.11be EHT20>



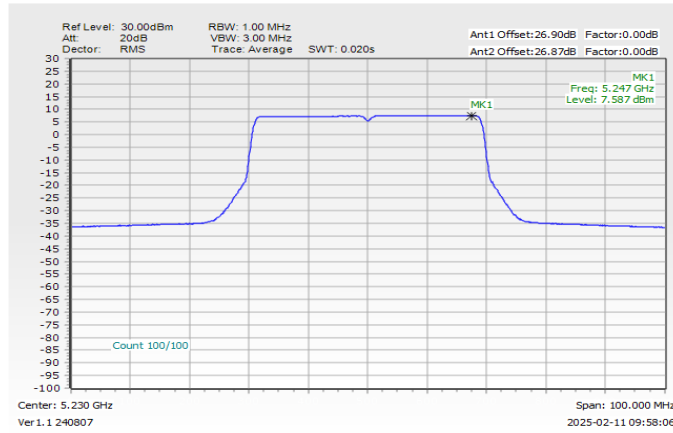
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.





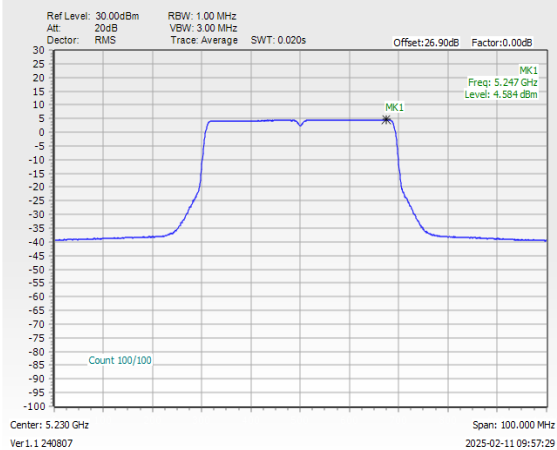
<802.11be EHT40>

Maximum Power Density Plot (dBm/MHz)

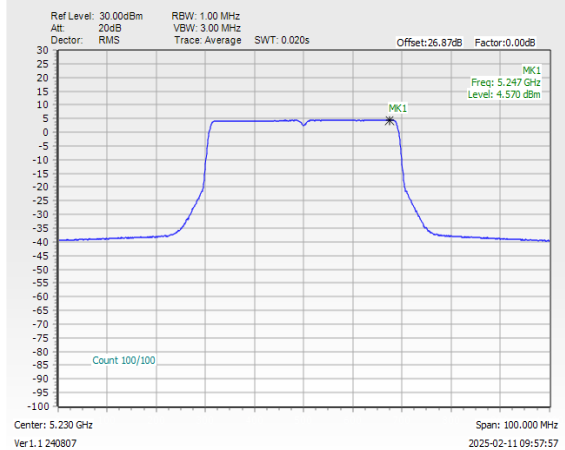


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)

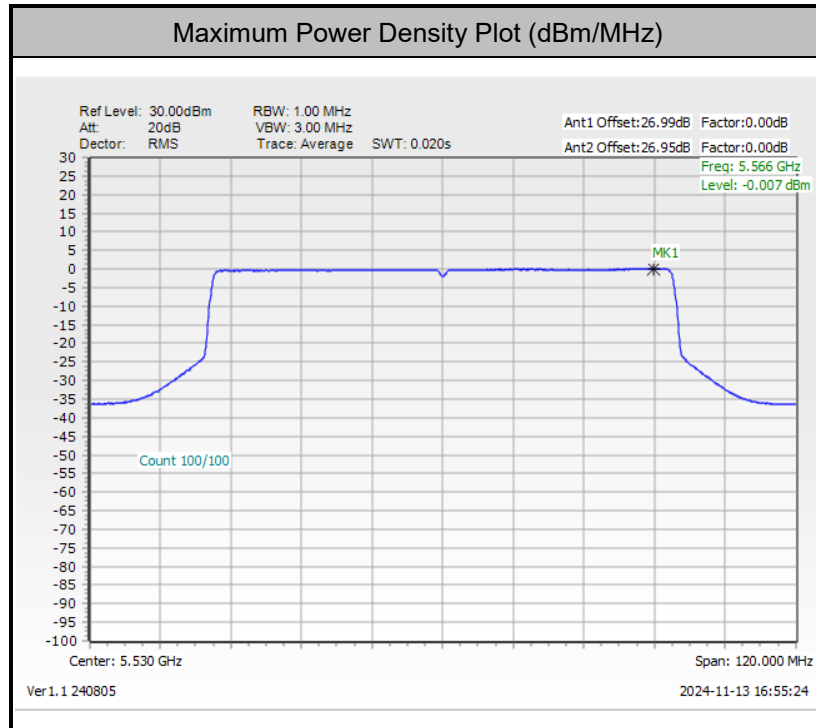


Maximum Power Density Plot Trace 2 (Ant 3)

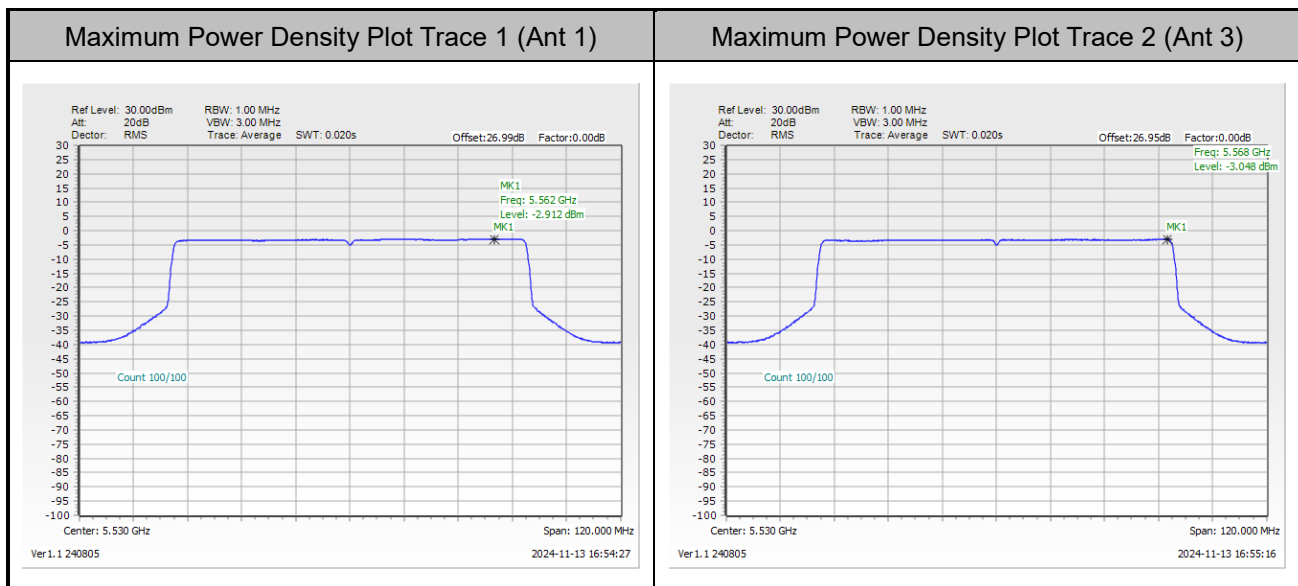




<802.11be EHT80>

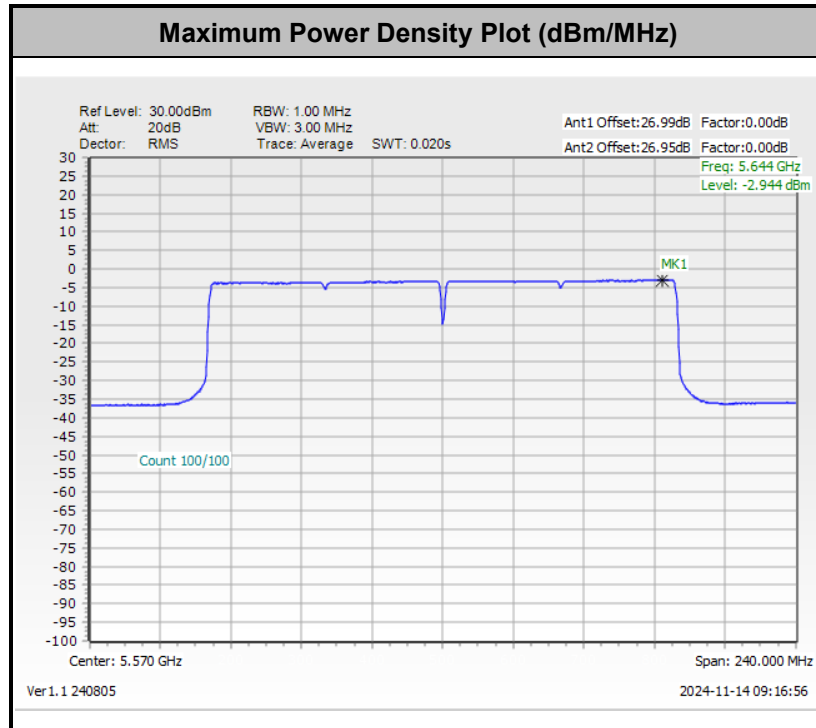


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

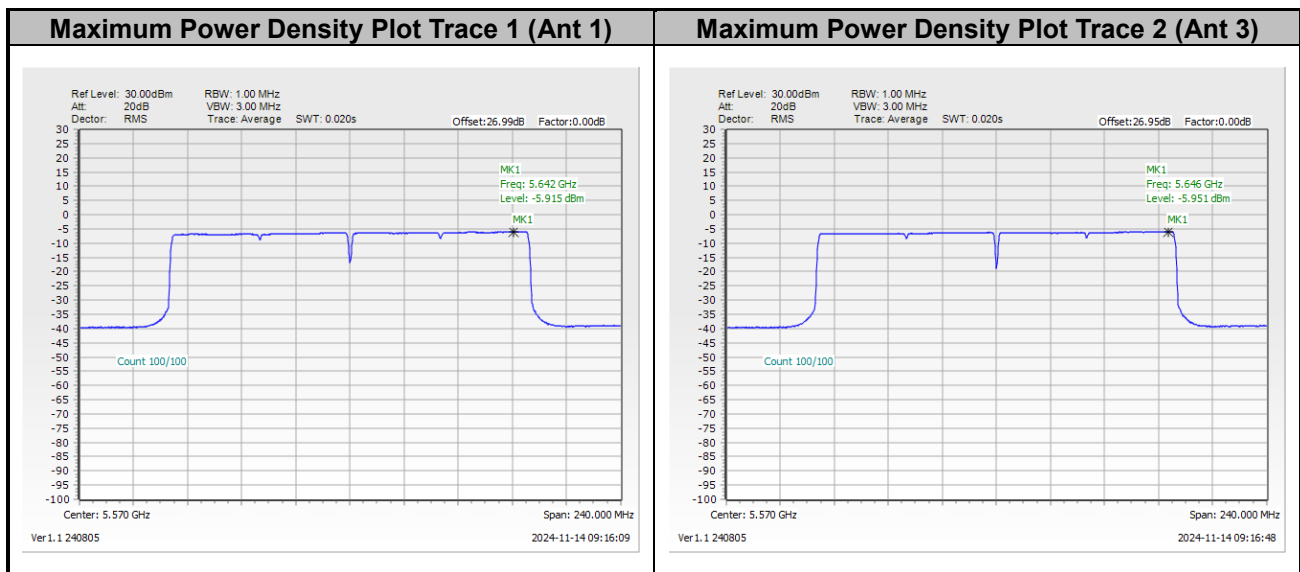




<802.11be EHT160>



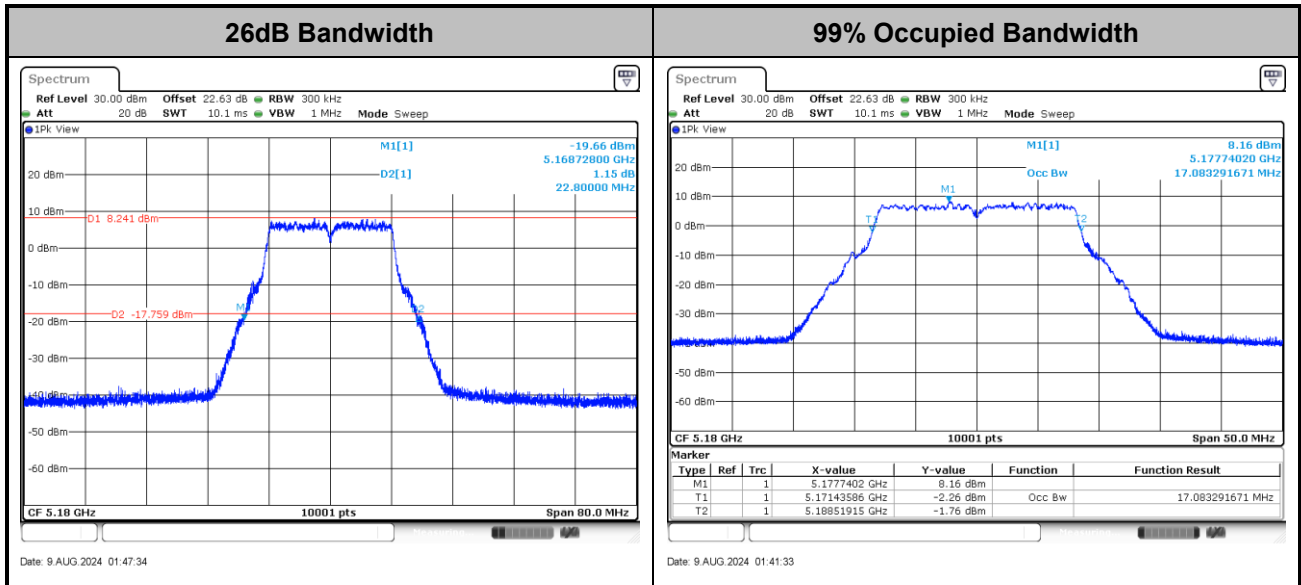
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



**Test Result of 26dB & 99% Occupied Bandwidth**

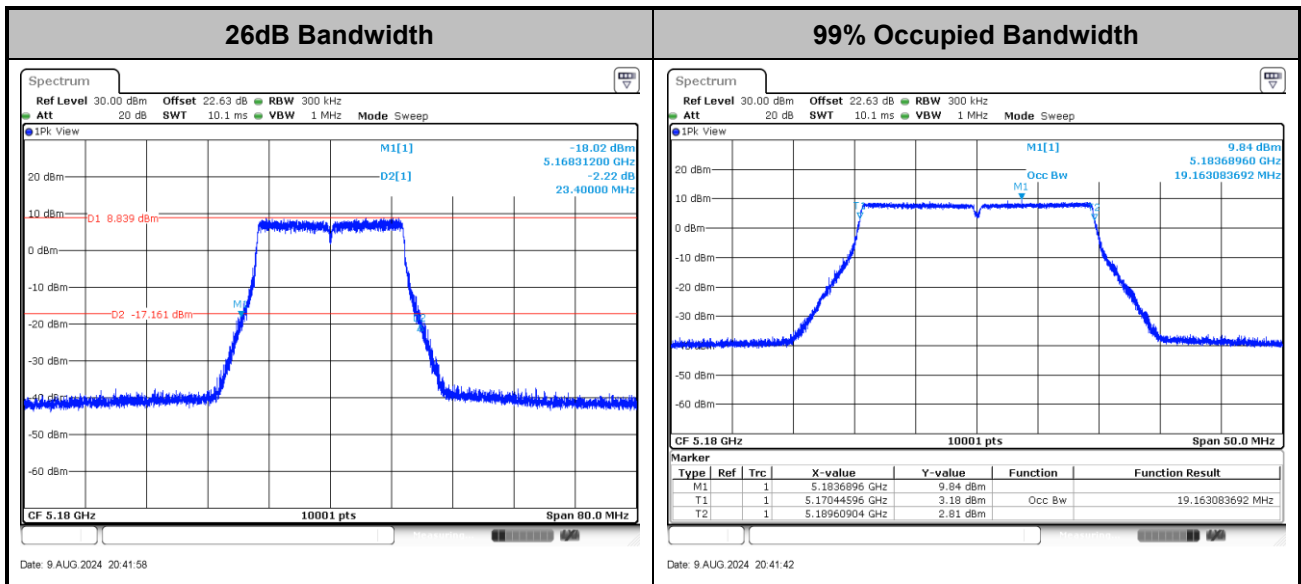
MIMO <Ant. 1+2+3+4>

<802.11a>



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

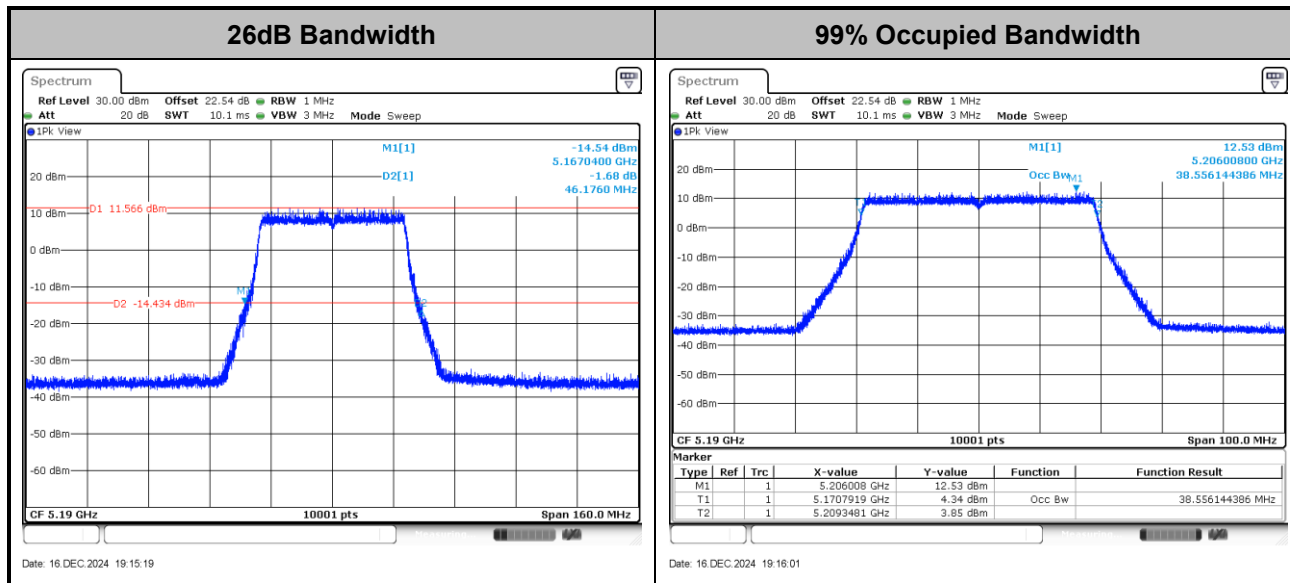
<802.11be EHT20>



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

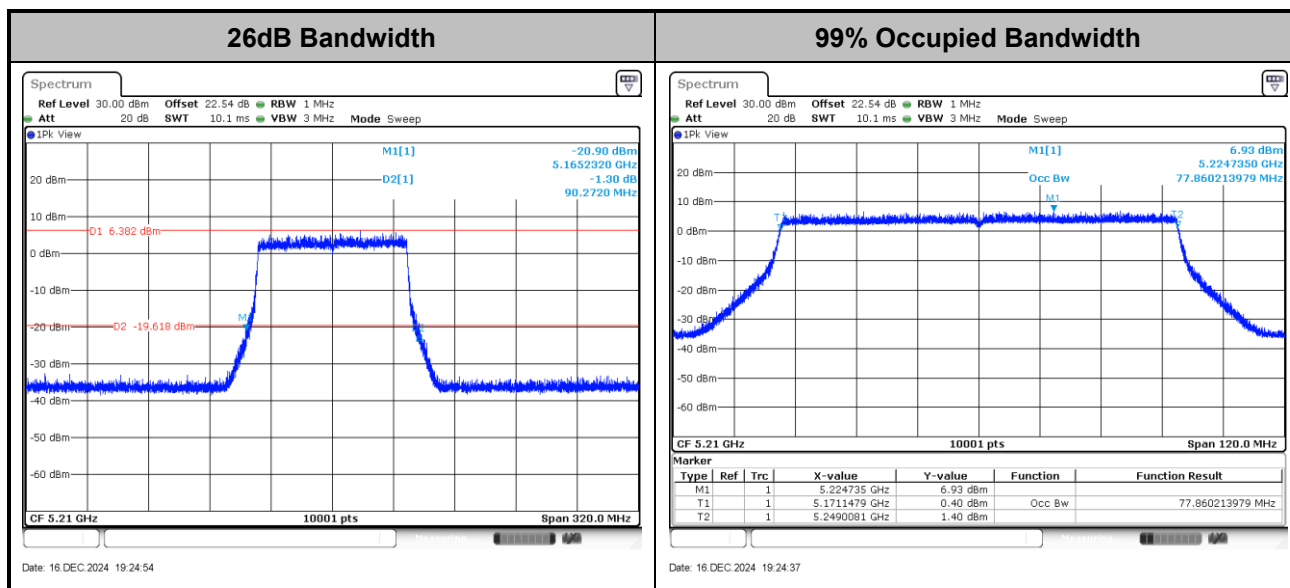


<802.11be EHT40>



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

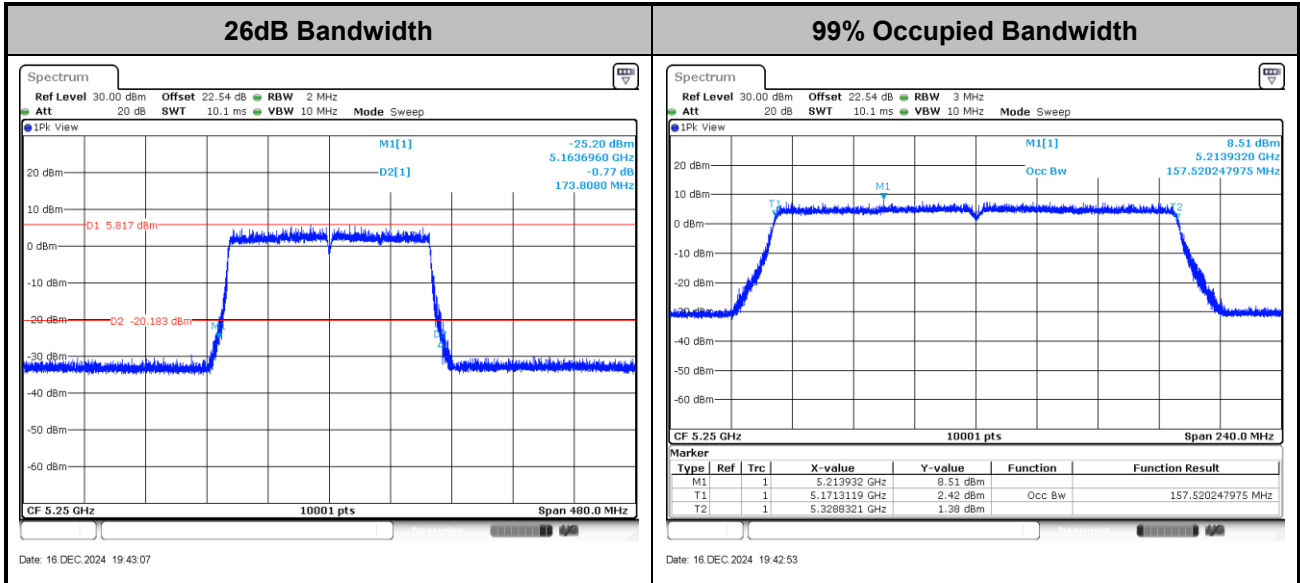
<802.11be EHT80>



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



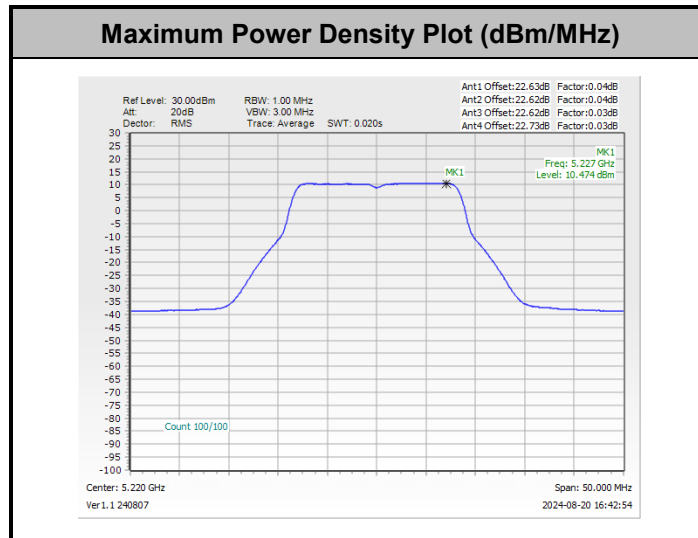
<802.11be EHT160>



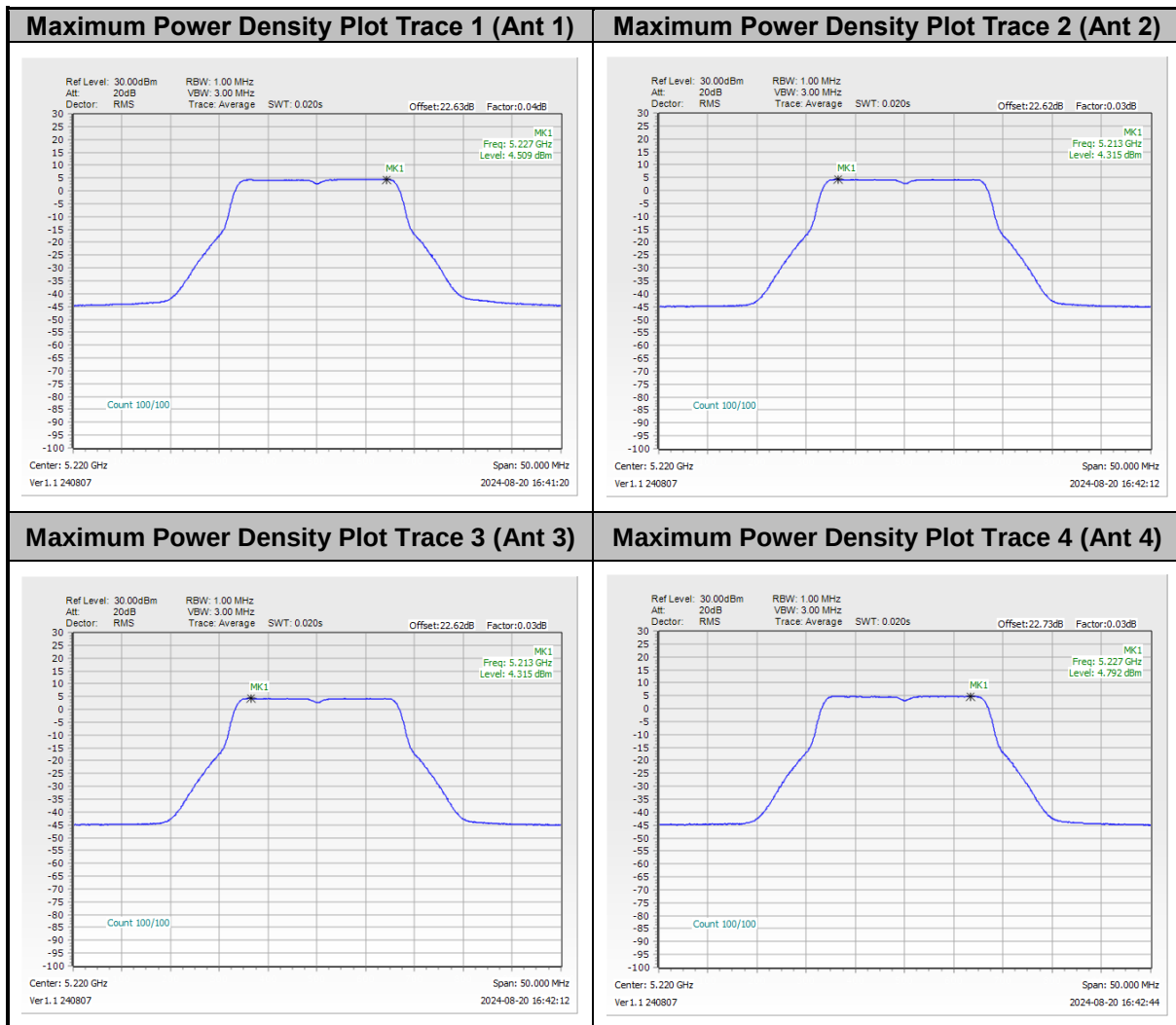
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Result of Power Spectral Density

<802.11a>

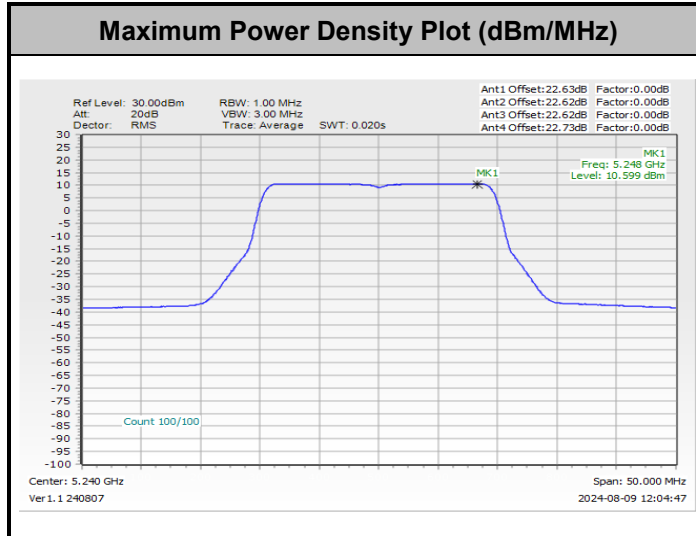


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

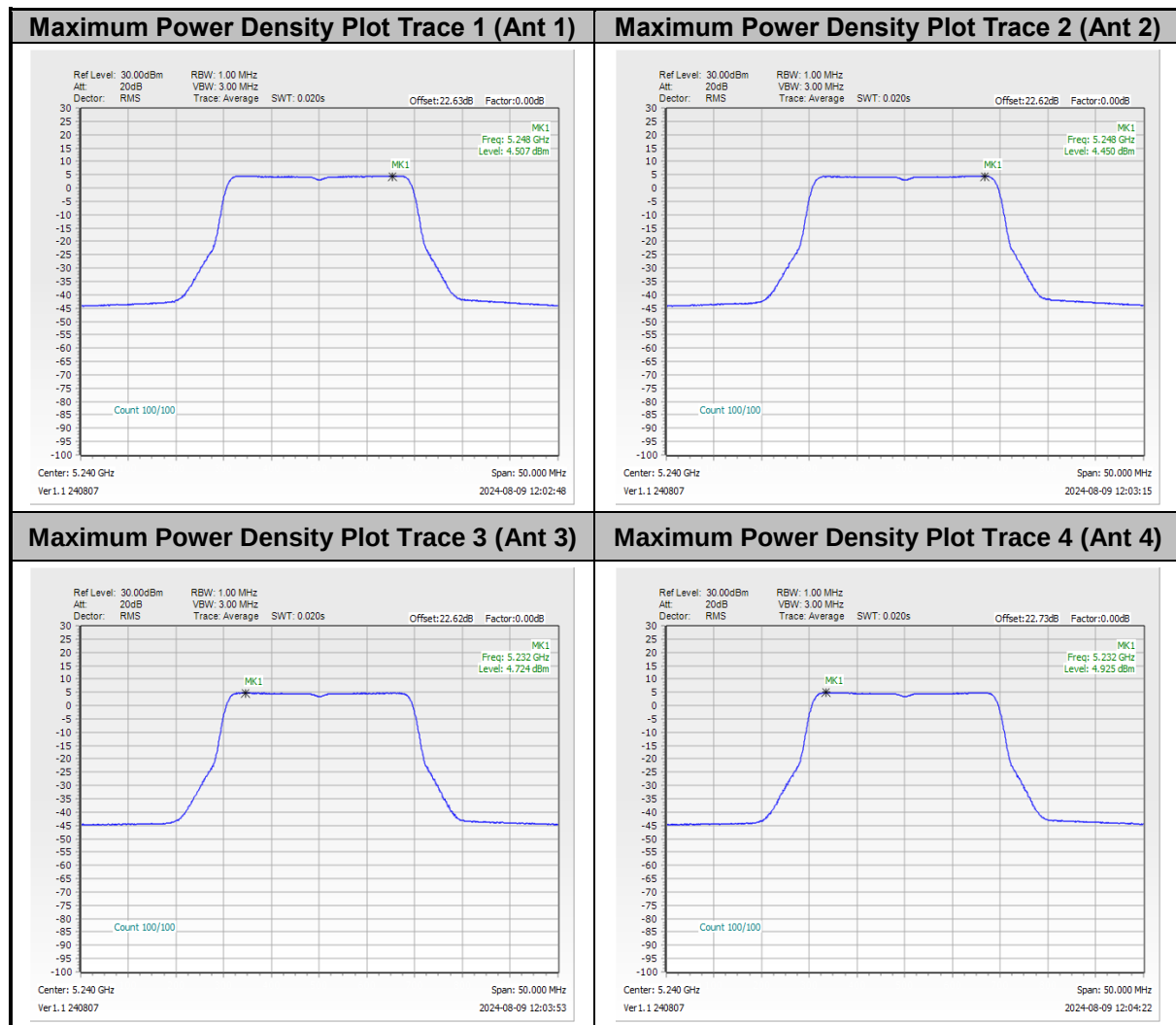




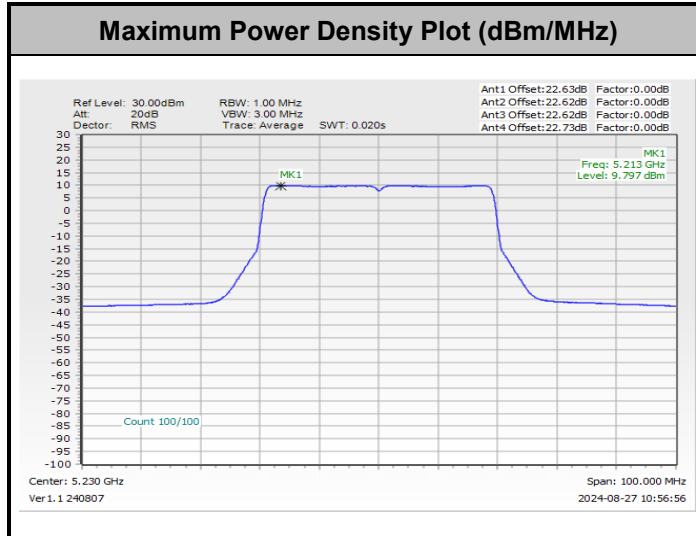
<802.11be EHT20>



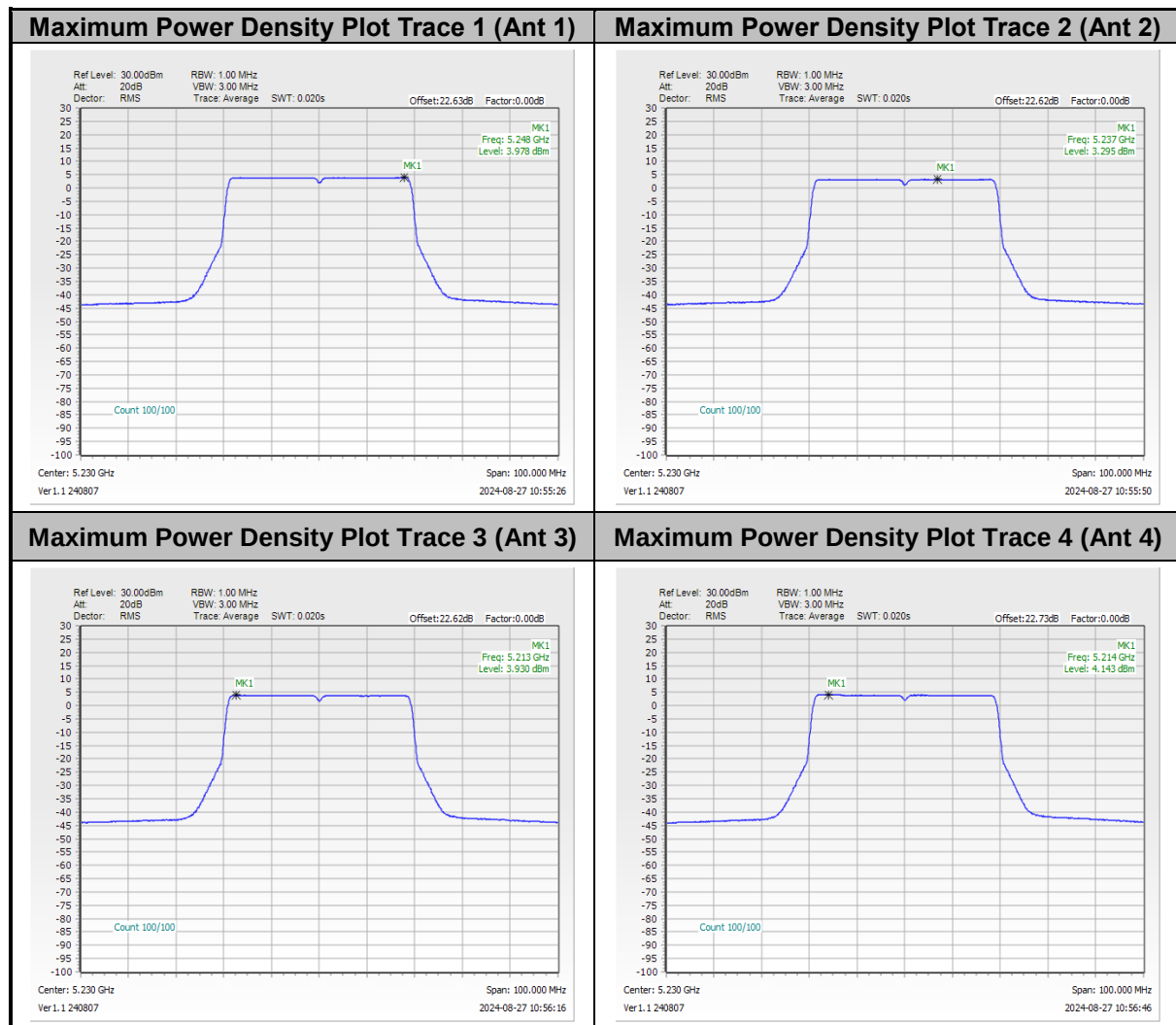
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



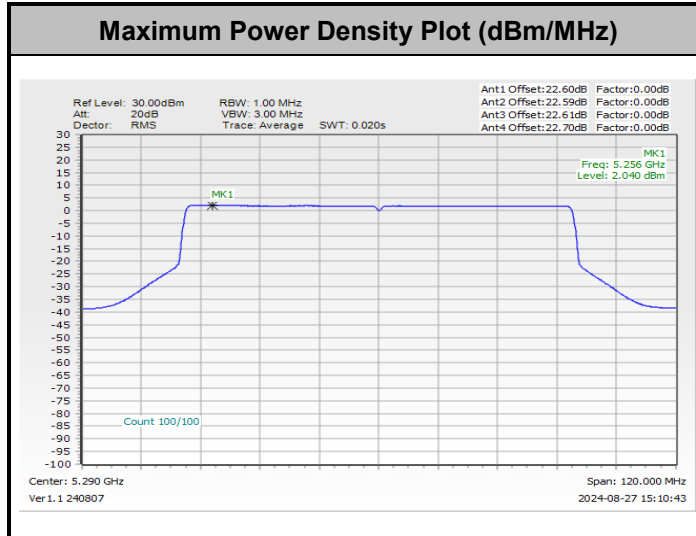
<802.11be EHT40>



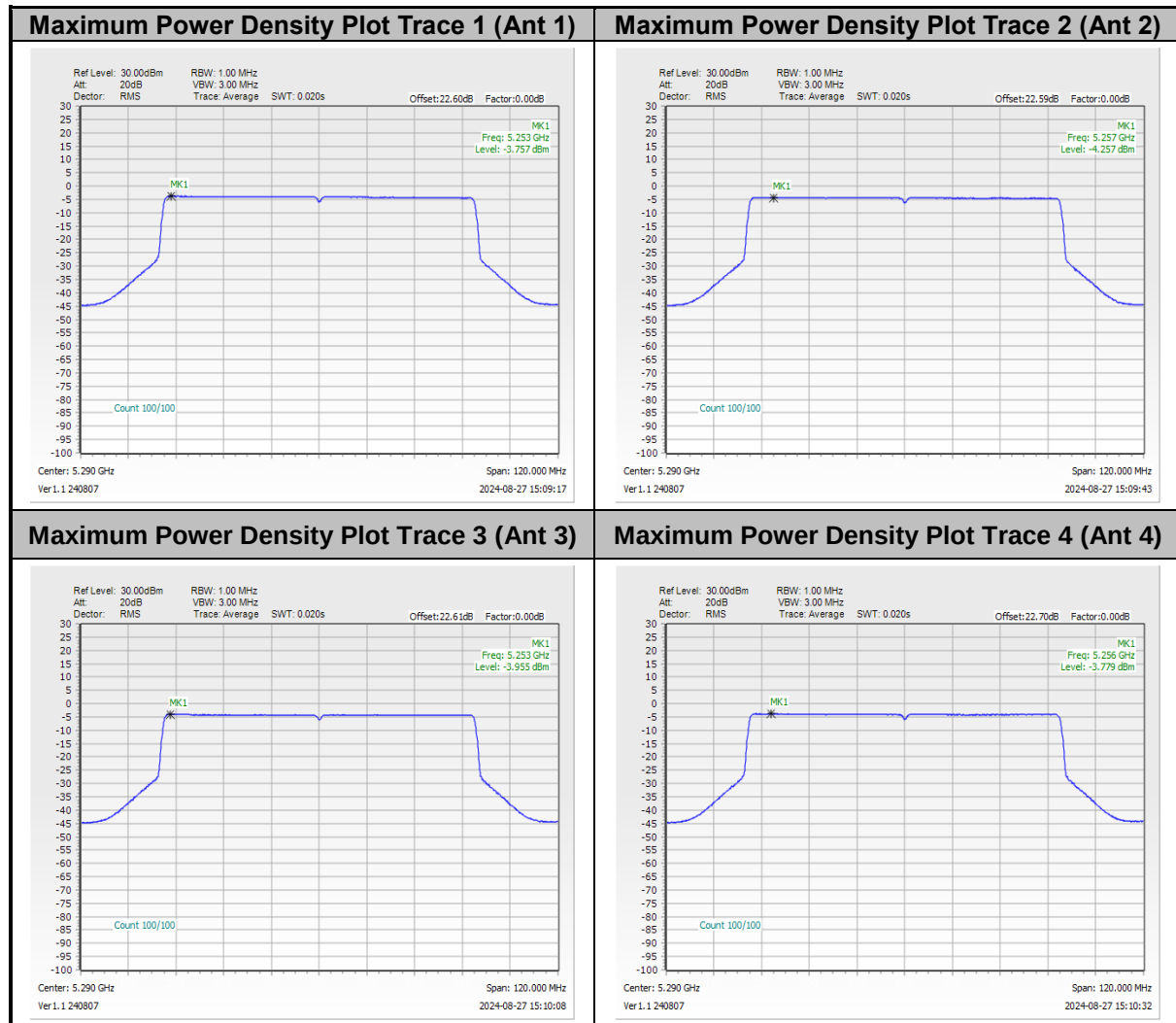
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



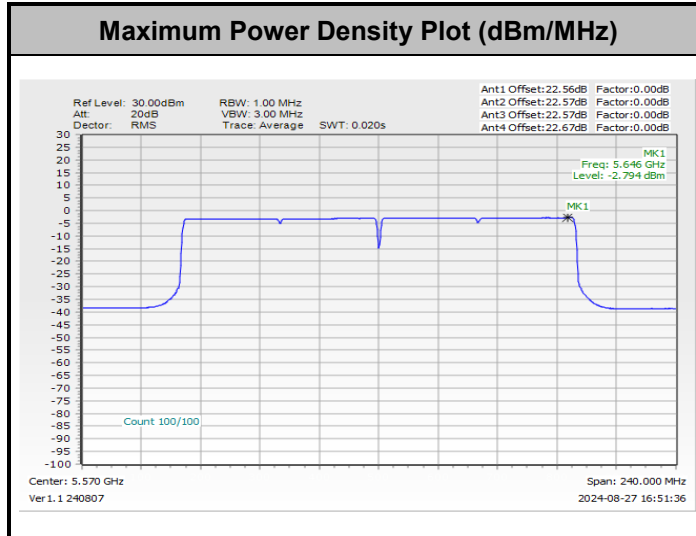
<802.11be EHT80>



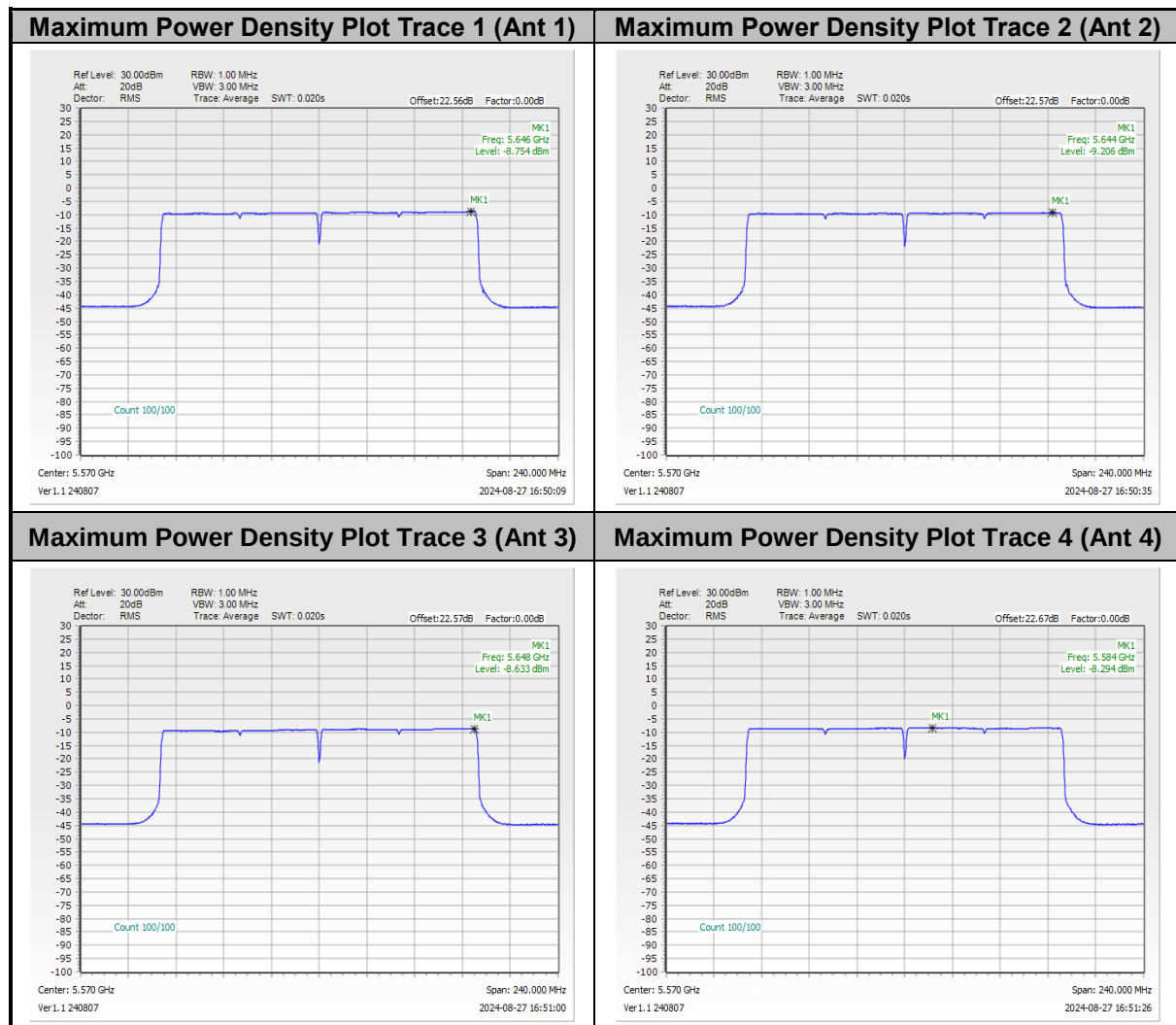
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



<802.11be EHT160>



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





Appendix B. AC Conducted Emission Test Results

Test Engineer :	Jin Peng	Temperature :	20.1~24.2℃
		Relative Humidity :	41.2~48.5%

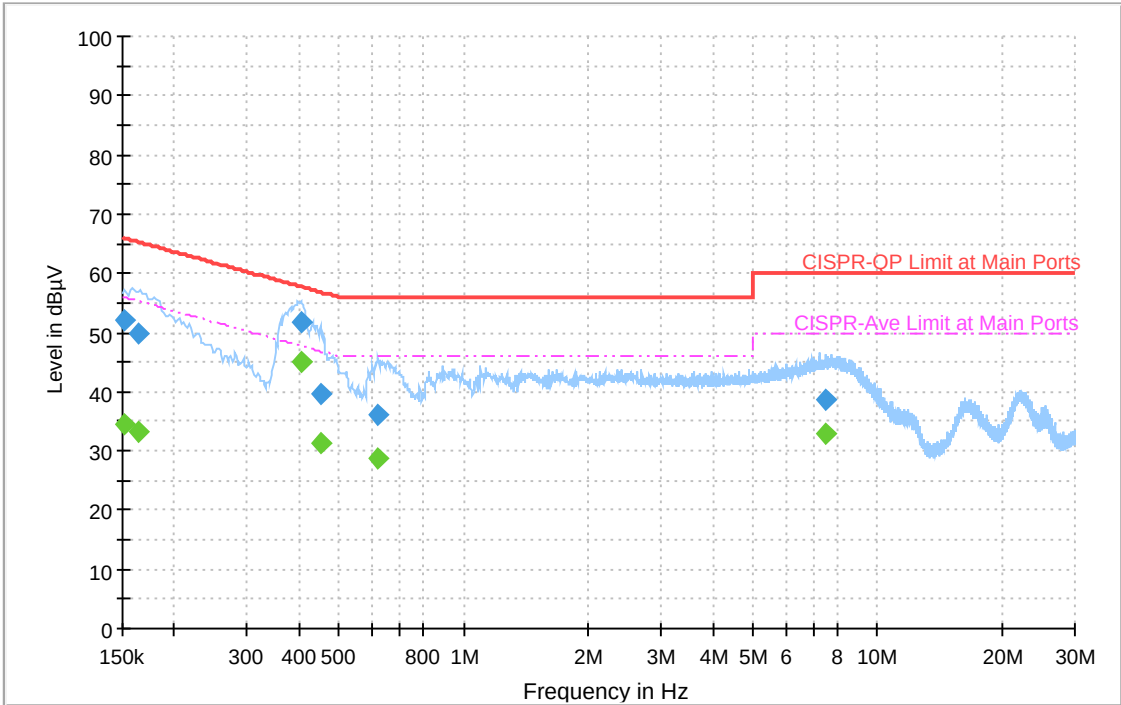
EUT Information

Test Site Location :
Project
Power:

CO01-CA
240524001
120Vac/60Hz

Line

Full Spectrum



Final Result

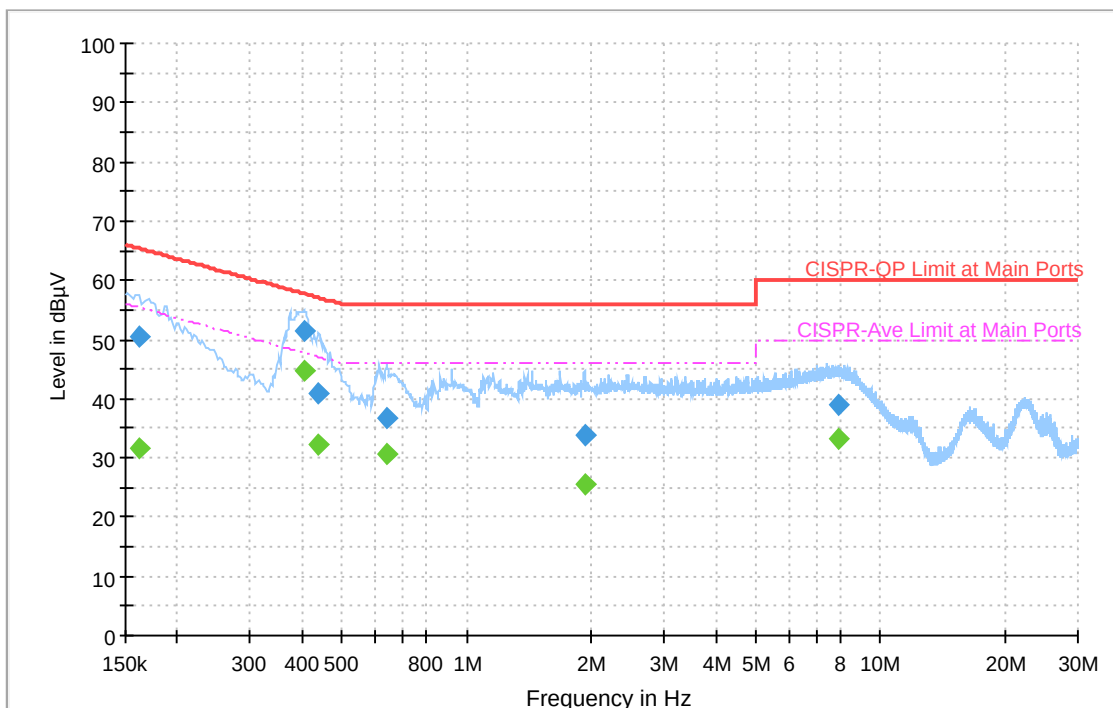
Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	34.48	55.88	21.40	L1	OFF	20.4
0.152250	52.12	---	65.88	13.76	L1	OFF	20.4
0.163500	---	33.12	55.28	22.16	L1	OFF	20.3
0.163500	49.95	---	65.28	15.33	L1	OFF	20.3
0.404250	---	45.09	47.77	2.68	L1	OFF	20.3
0.404250	51.75	---	57.77	6.02	L1	OFF	20.3
0.451500	---	31.45	46.85	15.40	L1	OFF	20.3
0.451500	39.57	---	56.85	17.28	L1	OFF	20.3
0.622500	---	28.66	46.00	17.34	L1	OFF	20.3
0.622500	36.15	---	56.00	19.85	L1	OFF	20.3
7.507500	---	32.82	50.00	17.18	L1	OFF	21.2
7.507500	38.62	---	60.00	21.38	L1	OFF	21.2

EUT Information

Test Site Location : CO01-CA
 Project : 240524001
 Power: 120Vac/60Hz

Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	31.65	55.40	23.75	N	OFF	20.4
0.161250	50.44	---	65.40	14.96	N	OFF	20.4
0.404250	---	44.69	47.77	3.08	N	OFF	20.3
0.404250	51.40	---	57.77	6.37	N	OFF	20.3
0.438000	---	32.18	47.10	14.92	N	OFF	20.3
0.438000	41.00	---	57.10	16.10	N	OFF	20.3
0.640500	---	30.82	46.00	15.18	N	OFF	20.3
0.640500	36.77	---	56.00	19.23	N	OFF	20.3
1.923000	---	25.41	46.00	20.59	N	OFF	20.3
1.923000	33.75	---	56.00	22.25	N	OFF	20.3
7.885500	---	33.16	50.00	16.84	N	OFF	21.2
7.885500	39.02	---	60.00	20.98	N	OFF	21.2



Appendix C. Radiated Spurious Emission

Test Engineer :	Kevin Hsu and Leo Liu	Temperature :	16.3~24.2°C
		Relative Humidity :	33.6~52.1%



<2x2 Mode>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5147.16	59.45	-14.55	74	44.34	33.17	11.12	29.18	175	177	P	H
		5150	50.78	-3.22	54	35.67	33.17	11.12	29.18	175	177	A	H
	*	5180	119.21	-	-	104.08	33.16	11.14	29.17	175	177	P	H
	*	5180	111.65	-	-	96.52	33.16	11.14	29.17	175	177	A	H
													H
													H
		5149.76	62.56	-11.44	74	47.38	33.24	11.12	29.18	175	178	P	V
		5150	53.08	-0.92	54	37.9	33.24	11.12	29.18	175	178	A	V
	*	5180	121.06	-	-	105.87	33.22	11.14	29.17	175	178	P	V
	*	5180	113.59	-	-	98.4	33.22	11.14	29.17	175	178	A	V
													V
													V
802.11a CH 44 5220MHz		5147.56	58.99	-15.01	74	43.88	33.17	11.12	29.18	168	174	P	H
		5149.94	49.99	-4.01	54	34.88	33.17	11.12	29.18	168	174	A	H
	*	5220	121.38	-	-	106.22	33.13	11.18	29.15	168	174	P	H
	*	5220	114.05	-	-	98.89	33.13	11.18	29.15	168	174	A	H
		5359.92	57.03	-16.97	74	41.72	33.09	11.35	29.13	168	174	P	H
		5458.8	48.02	-5.98	54	32.64	33.06	11.45	29.13	168	174	A	H
		5148.24	60.2	-13.8	74	45.02	33.24	11.12	29.18	208	197	P	V
		5149.94	51.03	-2.97	54	35.85	33.24	11.12	29.18	208	197	A	V
	*	5220	124.17	-	-	108.96	33.18	11.18	29.15	208	197	P	V
	*	5220	117.67	-	-	102.46	33.18	11.18	29.15	208	197	A	V
		5366.88	59.08	-14.92	74	43.73	33.13	11.36	29.14	208	197	P	V
		5350.08	49.35	-4.65	54	34	33.14	11.34	29.13	208	197	A	V



802.11a CH 48 5240MHz		5143	59.97	-14.03	74	44.86	33.17	11.12	29.18	168	178	P	H
		5149.76	50.46	-3.54	54	35.35	33.17	11.12	29.18	168	178	A	H
	*	5240	125.22	-	-	110.03	33.12	11.21	29.14	168	178	P	H
	*	5240	117.57	-	-	102.38	33.12	11.21	29.14	168	178	A	H
		5358.64	60.56	-13.44	74	45.25	33.09	11.35	29.13	168	178	P	H
		5352.76	49.39	-4.61	54	34.08	33.1	11.34	29.13	168	178	A	H
		5148.46	61.62	-12.38	74	46.44	33.24	11.12	29.18	180	178	P	V
		5150	50.92	-3.08	54	35.74	33.24	11.12	29.18	180	178	A	V
	*	5240	125.2	-	-	109.97	33.16	11.21	29.14	180	178	P	V
	*	5240	118.56	-	-	103.33	33.16	11.21	29.14	180	178	A	V
		5451.32	60	-14	74	44.56	33.13	11.44	29.13	180	178	P	V
		5350	50.21	-3.79	54	34.86	33.14	11.34	29.13	180	178	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. 1+3	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 36 5180MHz		10360	50.03	-18.17	68.2	63.61	38.99	16.28	68.85	-	-	P	H
		15540	48.84	-25.16	74	59.06	38.36	20.06	68.64	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	48.36	-19.84	68.2	61.92	39.01	16.28	68.85	-	-	P	V
		15540	47.83	-26.17	74	58.04	38.37	20.06	68.64	-	-	P	V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 1+3	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 44 5220MHz		10440	49.8	-18.4	68.2	63.04	39.04	16.33	68.61	200	128	P	H
		15660	51.59	-22.41	74	62.08	38.07	20.15	68.71	192	202	P	H
		15660	41.35	-12.65	54	51.84	38.07	20.15	68.71	192	202	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10440	47.03	-21.17	68.2	60.24	39.07	16.33	68.61	-	-	P	V
		15660	50.74	-23.26	74	61.19	38.11	20.15	68.71	388	171	P	V
		15660	41.04	-12.96	54	51.49	38.11	20.15	68.71	388	171	A	V
													V
													V
													V
													V
													V
													V
													V

[illegible]

Band 1 5150~5250MHz
WIFI 802.11be EHT20 Full (Band Edge @ 3m)

WIFI Ant. 1+3	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 36 5180MHz		5149.5	62.7	-11.3	74	47.52	33.24	11.12	29.18	175	177	P	V
		5150	53.55	-0.45	54	38.37	33.24	11.12	29.18	175	177	A	V
	*	5180	120.75	-	-	105.56	33.22	11.14	29.17	175	177	P	V
	*	5180	112.81	-	-	97.62	33.22	11.14	29.17	175	177	A	V
													H
													H
		5145.08	60.89	-13.11	74	45.78	33.17	11.12	29.18	175	178	P	H
		5150	50.99	-3.01	54	35.88	33.17	11.12	29.18	175	178	A	H
	*	5180	118.9	-	-	103.77	33.16	11.14	29.17	175	178	P	H
	*	5180	110.84	-	-	95.71	33.16	11.14	29.17	175	178	A	H
													V
													V
802.11be EHT20 Full CH 44 5220MHz		5149.6	61.44	-12.56	74	46.33	33.17	11.12	29.18	178	133	P	H
		5149.94	50.88	-3.12	54	35.77	33.17	11.12	29.18	178	133	A	H
	*	5220	124.6	-	-	109.44	33.13	11.18	29.15	178	133	P	H
	*	5220	116.66	-	-	101.5	33.13	11.18	29.15	178	133	A	H
		5414.88	55.94	-18.06	74	40.6	33.07	11.41	29.14	178	133	P	H
		5453.28	46.36	-7.64	54	30.98	33.06	11.45	29.13	178	133	A	H
		5149.94	62.33	-11.67	74	47.15	33.24	11.12	29.18	185	199	P	V
		5149.94	52.79	-1.21	54	37.61	33.24	11.12	29.18	185	199	A	V
	*	5220	125.02	-	-	109.81	33.18	11.18	29.15	185	199	P	V
	*	5220	117.71	-	-	102.5	33.18	11.18	29.15	185	199	A	V
		5350.56	58.8	-15.2	74	43.45	33.14	11.34	29.13	185	199	P	V
		5353.2	49.79	-4.21	54	34.44	33.14	11.34	29.13	185	199	A	V



802.11be EHT20 Full CH 48 5240MHz		5139.06	58.38	-15.62	74	43.28	33.17	11.11	29.18	190	133	P	H
		5149.94	48.9	-5.1	54	33.79	33.17	11.12	29.18	190	133	A	H
	*	5240	124.49	-	-	109.3	33.12	11.21	29.14	190	133	P	H
	*	5240	116.51	-	-	101.32	33.12	11.21	29.14	190	133	A	H
		5393.28	55.78	-18.22	74	40.47	33.07	11.39	29.15	190	133	P	H
		5452.56	46.03	-7.97	54	30.66	33.06	11.44	29.13	190	133	A	H
		5130.9	59.44	-14.56	74	44.25	33.25	11.11	29.17	186	200	P	V
		5149.94	49.75	-4.25	54	34.57	33.24	11.12	29.18	186	200	A	V
	*	5240	125.33	-	-	110.1	33.16	11.21	29.14	186	200	P	V
	*	5240	117.57	-	-	102.34	33.16	11.21	29.14	186	200	A	V
		5457.6	58.61	-15.39	74	43.16	33.13	11.45	29.13	186	200	P	V
		5351.28	49.59	-4.41	54	34.24	33.14	11.34	29.13	186	200	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)

[illegible]



WIFI Ant. 1+3	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 44 5220MHz		10440	48.46	-19.74	68.2	61.62	39.04	16.41	68.61	200	129	P	H
		15660	51.21	-22.79	74	61.47	38.07	20.38	68.71	200	202	P	H
		15660	41.45	-12.55	54	51.71	38.07	20.38	68.71	200	202	A	H
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802.11be EHT20 Full CH 44 5220MHz		10440	47.78	-20.42	68.2	61.06	38.92	16.41	68.61	300	236	P	V
		15660	50.53	-23.47	74	60.58	38.28	20.38	68.71	400	127	P	V
		15660	40.36	-13.64	54	50.41	38.28	20.38	68.71	400	127	A	V
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Band 1 5150~5250MHz

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

WIFI Ant. 1+3	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 38 5190MHz		5148.72	61.62	-12.38	74	46.51	33.17	11.12	29.18	175	175	P	H
		5149.76	51.53	-2.47	54	36.42	33.17	11.12	29.18	175	175	A	H
	*	5190	116.57	-	-	101.43	33.15	11.15	29.16	175	175	P	H
	*	5190	107.17	-	-	92.03	33.15	11.15	29.16	175	175	A	H
		5432.56	56.47	-17.53	74	41.12	33.06	11.43	29.14	175	175	P	H
		5350	47.12	-6.88	54	31.81	33.1	11.34	29.13	175	175	A	H
		5149.24	63.02	-10.98	74	47.84	33.24	11.12	29.18	195	177	P	V
		5150	53.87	-0.13	54	38.69	33.24	11.12	29.18	195	177	A	V
	*	5190	116.53	-	-	101.33	33.21	11.15	29.16	195	177	P	V
	*	5190	108.69	-	-	93.49	33.21	11.15	29.16	195	177	A	V
		5409.88	56.9	-17.1	74	41.52	33.12	11.41	29.15	195	177	P	V
		5355.84	47.38	-6.62	54	32.02	33.14	11.35	29.13	195	177	A	V
802.11be EHT40 Full CH 46 5230MHz		5143.52	63.5	-10.5	74	48.39	33.17	11.12	29.18	170	171	P	H
		5150	51.6	-2.4	54	36.49	33.17	11.12	29.18	170	171	A	H
	*	5230	116.98	-	-	101.79	33.13	11.2	29.14	170	171	P	H
	*	5230	108.7	-	-	93.51	33.13	11.2	29.14	170	171	A	H
		5391.68	57.44	-16.56	74	42.13	33.07	11.39	29.15	170	171	P	H
		5351.08	47.98	-6.02	54	32.67	33.1	11.34	29.13	170	171	A	H
		5144.82	63.76	-10.24	74	48.58	33.24	11.12	29.18	198	201	P	V
		5150	53.04	-0.96	54	37.86	33.24	11.12	29.18	198	201	A	V
	*	5230	122.98	-	-	107.75	33.17	11.2	29.14	198	201	P	V
	*	5230	112.54	-	-	97.31	33.17	11.2	29.14	198	201	A	V
		5364.52	58.96	-15.04	74	43.61	33.13	11.36	29.14	198	201	P	V
		5350.8	49.7	-4.3	54	34.35	33.14	11.34	29.13	198	201	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)

[illegible]

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Band 1 5150~5250MHz

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

WIFI Ant. 1+3	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		5143.26	61.01	-12.99	74	45.9	33.17	11.12	29.18	170	170	P	H
		5150	51.5	-2.5	54	36.39	33.17	11.12	29.18	170	170	A	H
	*	5210	114.09	-	-	98.93	33.14	11.17	29.15	170	170	P	H
	*	5210	103.81	-	-	88.65	33.14	11.17	29.15	170	170	A	H
		5368.72	56.66	-17.34	74	41.35	33.09	11.36	29.14	170	170	P	H
		5350.24	47.03	-6.97	54	31.72	33.1	11.34	29.13	170	170	A	H
		5147.94	66.38	-7.62	74	51.2	33.24	11.12	29.18	180	174	P	V
		5150	53.34	-0.66	54	38.16	33.24	11.12	29.18	180	174	A	V
	*	5210	115.38	-	-	100.17	33.19	11.17	29.15	180	174	P	V
	*	5210	105.59	-	-	90.38	33.19	11.17	29.15	180	174	A	V
		5359.76	57.71	-16.29	74	42.35	33.14	11.35	29.13	180	174	P	V
		5351.64	48.19	-5.81	54	32.84	33.14	11.34	29.13	180	174	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. 1+3	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		10420	46.6	-21.6	68.2	59.91	39.03	16.32	68.66	-	-	P	H
		15630	46.01	-27.99	74	56.37	38.13	20.12	68.61	-	-	P	H
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Band 1 5150~5250MHz

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

WIFI Ant. 1+3	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		5137.28	62.63	-11.37	74	47.51	33.18	11.11	29.17	185	175	P	H
		5150	50.94	-3.06	54	35.83	33.17	11.12	29.18	185	175	A	H
	*	5250	109.88	-	-	94.68	33.11	11.22	29.13	185	175	P	H
	*	5250	100.86	-	-	85.66	33.11	11.22	29.13	185	175	A	H
		5350	63.1	-10.9	74	47.79	33.1	11.34	29.13	185	175	P	H
		5350.24	53.46	-0.54	54	38.15	33.1	11.34	29.13	185	175	A	H
		5139.1	61.75	-12.25	74	46.58	33.24	11.11	29.18	175	179	P	V
		5150	50.9	-3.1	54	35.72	33.24	11.12	29.18	175	179	A	V
	*	5250	109.75	-	-	94.51	33.15	11.22	29.13	175	179	P	V
	*	5250	101.6	-	-	86.36	33.15	11.22	29.13	175	179	A	V
		5380.48	61.43	-12.57	74	46.06	33.13	11.38	29.14	175	179	P	V
		5358.92	51.75	-2.25	54	36.39	33.14	11.35	29.13	175	179	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

[illegible]



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+3	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		5124.1	56.99	-17.01	74	41.88	33.18	11.1	29.17	188	129	P	H
		5149.94	48.12	-5.88	54	33.01	33.17	11.12	29.18	188	129	A	H
	*	5260	123.21	-	-	108	33.11	11.23	29.13	188	129	P	H
	*	5260	116.56	-	-	101.35	33.11	11.23	29.13	188	129	A	H
		5377.44	54.41	-19.59	74	39.1	33.08	11.37	29.14	188	129	P	H
		5452.56	45.51	-8.49	54	30.14	33.06	11.44	29.13	188	129	A	H
		5147.56	58.76	-15.24	74	43.58	33.24	11.12	29.18	178	200	P	V
		5149.6	49.11	-4.89	54	33.93	33.24	11.12	29.18	178	200	A	V
	*	5260	123.95	-	-	108.7	33.15	11.23	29.13	178	200	P	V
	*	5260	117.68	-	-	102.43	33.15	11.23	29.13	178	200	A	V
		5384.88	59.42	-14.58	74	44.05	33.13	11.38	29.14	178	200	P	V
		5350.08	50.01	-3.99	54	34.66	33.14	11.34	29.13	178	200	A	V
802.11a CH 60 5300MHz		5129.54	57.21	-16.79	74	42.09	33.18	11.11	29.17	190	190	P	H
		5000	48.57	-5.43	54	33.54	33.21	11.01	29.19	190	190	A	H
	*	5300	124.2	-	-	108.96	33.1	11.28	29.14	190	190	P	H
	*	5300	116.3	-	-	101.06	33.1	11.28	29.14	190	190	A	H
		5350.08	63.73	-10.27	74	48.42	33.1	11.34	29.13	190	190	P	H
		5350.8	53.36	-0.64	54	38.05	33.1	11.34	29.13	190	190	A	H
		5132.6	58.34	-15.66	74	43.15	33.25	11.11	29.17	180	200	P	V
		5145.52	48.98	-5.02	54	33.8	33.24	11.12	29.18	180	200	A	V
	*	5300	123.93	-	-	108.64	33.15	11.28	29.14	180	200	P	V
	*	5300	117.61	-	-	102.32	33.15	11.28	29.14	180	200	A	V
		5354.88	61.66	-12.34	74	46.3	33.14	11.35	29.13	180	200	P	V
		5350.08	53.4	-0.6	54	38.05	33.14	11.34	29.13	180	200	A	V



802.11a CH 64 5320MHz	*	5320	120.28	-	-	105.02	33.1	11.3	29.14	165	177	P	H
	*	5320	113	-	-	97.74	33.1	11.3	29.14	165	177	A	H
		5350.4	59.71	-14.29	74	44.4	33.1	11.34	29.13	165	177	P	H
		5350.08	50.83	-3.17	54	35.52	33.1	11.34	29.13	165	177	A	H
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	*	5320	121.15	-	-	105.84	33.15	11.3	29.14	168	175	P	V
	*	5320	114.8	-	-	99.49	33.15	11.3	29.14	168	175	A	V
		5352.48	63.07	-10.93	74	47.72	33.14	11.34	29.13	168	175	P	V
		5350.08	53.61	-0.39	54	38.26	33.14	11.34	29.13	168	175	A	V
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Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 2 5250~5350MHz****WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 1+3	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		10520	52.98	-15.22	68.2	65.86	39.16	16.39	68.43	200	140	P	H
		15780	48.51	-25.49	74	59.53	37.91	20.22	69.15	-	-	P	H
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		10520	48.38	-19.82	68.2	61.24	39.18	16.39	68.43	198	127	P	V
		15780	47.47	-26.53	74	58.45	37.95	20.22	69.15	-	-	P	V
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WIFI Ant. 1+3	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 60 5300MHz		10600	51.04	-22.96	74	63.72	39.15	16.56	68.39	200	151	P	H
		10600	42.21	-11.79	54	54.89	39.15	16.56	68.39	200	151	A	H
		15900	50.41	-23.59	74	60.74	38.14	20.52	68.99	300	199	P	H
		15900	39.86	-14.14	54	50.19	38.14	20.52	68.99	300	199	A	H
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		10600	50.95	-23.05	74	63.59	39.19	16.56	68.39	400	209	P	V
		10600	42.29	-11.71	54	54.93	39.19	16.56	68.39	400	209	A	V
		15900	50.23	-23.77	74	60.56	38.14	20.52	68.99	300	192	P	V
		15900	39.9	-14.1	54	50.23	38.14	20.52	68.99	300	192	A	V
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Band 2 5250~5350MHz

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

WIFI Ant. 1+3	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 52 5260MHz		5134.98	58.51	-15.49	74	43.39	33.18	11.11	29.17	178	193	P	H
		5142.46	48.45	-5.55	54	33.34	33.17	11.12	29.18	178	193	A	H
	*	5260	123.46	-	-	108.25	33.11	11.23	29.13	178	193	P	H
	*	5260	114.99	-	-	99.78	33.11	11.23	29.13	178	193	A	H
		5350.08	59.03	-14.97	74	43.72	33.1	11.34	29.13	178	193	P	H
		5350.32	49.17	-4.83	54	33.86	33.1	11.34	29.13	178	193	A	H
		5123.42	59.14	-14.86	74	43.96	33.25	11.1	29.17	185	202	P	V
		5148.92	49.12	-4.88	54	33.94	33.24	11.12	29.18	185	202	A	V
	*	5260	124.79	-	-	109.54	33.15	11.23	29.13	185	202	P	V
	*	5260	117.09	-	-	101.84	33.15	11.23	29.13	185	202	A	V
		5366.64	59.01	-14.99	74	43.66	33.13	11.36	29.14	185	202	P	V
		5350.08	50.01	-3.99	54	34.66	33.14	11.34	29.13	185	202	A	V
802.11be EHT20 Full CH 60 5300MHz		5138.04	57.59	-16.41	74	42.49	33.17	11.11	29.18	182	188	P	H
		5001.36	48.26	-5.74	54	33.23	33.21	11.01	29.19	182	188	A	H
	*	5300	122.64	-	-	107.4	33.1	11.28	29.14	182	188	P	H
	*	5300	113.84	-	-	98.6	33.1	11.28	29.14	182	188	A	H
		5352	61.64	-12.36	74	46.33	33.1	11.34	29.13	182	188	P	H
		5350.08	52.7	-1.3	54	37.39	33.1	11.34	29.13	182	188	A	H
		5125.8	57.44	-16.56	74	42.26	33.25	11.1	29.17	185	202	P	V
		5148.92	48.4	-5.6	54	33.22	33.24	11.12	29.18	185	202	A	V
	*	5300	126.07	-	-	110.78	33.15	11.28	29.14	185	202	P	V
	*	5300	115.55	-	-	100.26	33.15	11.28	29.14	185	202	A	V
		5350.08	61.96	-12.04	74	46.61	33.14	11.34	29.13	185	202	P	V
		5350.08	52.51	-1.49	54	37.16	33.14	11.34	29.13	185	202	A	V



802.11be EHT20 Full CH 64 5320MHz	*	5320	120.42	-	-	105.16	33.1	11.3	29.14	185	175	P	H
	*	5320	112.12	-	-	96.86	33.1	11.3	29.14	185	175	A	H
		5351.36	59.3	-14.7	74	43.99	33.1	11.34	29.13	185	175	P	H
		5350.08	49.44	-4.56	54	34.13	33.1	11.34	29.13	185	175	A	H
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	*	5320	122.53	-	-	107.22	33.15	11.3	29.14	180	176	P	V
	*	5320	113.67	-	-	98.36	33.15	11.3	29.14	180	176	A	V
		5352.16	63.05	-10.95	74	47.7	33.14	11.34	29.13	180	176	P	V
		5350.08	53.74	-0.26	54	38.39	33.14	11.34	29.13	180	176	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

[illegible]

[illegible]

WIFI Ant. 1+3	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 64 5320MHz		10640	47.38	-26.62	74	59.98	39.41	16.47	68.48	-	-	P	H
		15960	47.12	-26.88	74	57.8	37.79	20.35	68.82	-	-	P	H
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Band 2 5250~5350MHz

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

WIFI Ant. 1+3	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		5140.42	57.75	-16.25	74	42.64	33.17	11.12	29.18	186	194	P	H
		5145.52	48.52	-5.48	54	33.41	33.17	11.12	29.18	186	194	A	H
	*	5270	119.17	-	-	103.95	33.11	11.24	29.13	186	194	P	H
	*	5270	111.15	-	-	95.93	33.11	11.24	29.13	186	194	A	H
		5351.76	63.04	-10.96	74	47.73	33.1	11.34	29.13	186	194	P	H
		5350.08	53.44	-0.56	54	38.13	33.1	11.34	29.13	186	194	A	H
		5126.82	58.38	-15.62	74	43.19	33.25	11.11	29.17	182	197	P	V
		5149.94	49.5	-4.5	54	34.32	33.24	11.12	29.18	182	197	A	V
	*	5270	121.54	-	-	106.28	33.15	11.24	29.13	182	197	P	V
	*	5270	112.71	-	-	97.45	33.15	11.24	29.13	182	197	A	V
		5355.12	62.15	-11.85	74	46.79	33.14	11.35	29.13	182	197	P	V
		5350.08	53.51	-0.49	54	38.16	33.14	11.34	29.13	182	197	A	V
802.11be EHT40 Full CH 62 5310MHz		5143.82	57.06	-16.94	74	41.95	33.17	11.12	29.18	175	173	P	H
		5149.6	46.96	-7.04	54	31.85	33.17	11.12	29.18	175	173	A	H
	*	5310	114.11	-	-	98.86	33.1	11.29	29.14	175	173	P	H
	*	5310	106.5	-	-	91.25	33.1	11.29	29.14	175	173	A	H
		5350.32	61.17	-12.83	74	45.86	33.1	11.34	29.13	175	173	P	H
		5350.08	52.24	-1.76	54	36.93	33.1	11.34	29.13	175	173	A	H
		5140.76	56.2	-17.8	74	41.02	33.24	11.12	29.18	175	176	P	V
		5145.52	47.61	-6.39	54	32.43	33.24	11.12	29.18	175	176	A	V
	*	5310	116.29	-	-	100.99	33.15	11.29	29.14	175	176	P	V
	*	5310	108.27	-	-	92.97	33.15	11.29	29.14	175	176	A	V
		5351.04	61.21	-12.79	74	45.86	33.14	11.34	29.13	175	176	P	V
		5350.08	52.96	-1.04	54	37.61	33.14	11.34	29.13	175	176	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)

[illegible]

[illegible]



Band 2 5250~5350MHz

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

WIFI Ant. 1+3	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		5119.68	56.52	-17.48	74	41.41	33.18	11.1	29.17	168	175	P	H
		5148.92	47.61	-6.39	54	32.5	33.17	11.12	29.18	168	175	A	H
	*	5290	112.11	-	-	96.88	33.1	11.27	29.14	168	175	P	H
	*	5290	103.69	-	-	88.46	33.1	11.27	29.14	168	175	A	H
		5353.68	62.54	-11.46	74	47.23	33.1	11.34	29.13	168	175	P	H
		5351.04	53.65	-0.35	54	38.34	33.1	11.34	29.13	168	175	A	H
		5144.84	57.53	-16.47	74	42.35	33.24	11.12	29.18	175	175	P	V
		5149.6	48.38	-5.62	54	33.2	33.24	11.12	29.18	175	175	A	V
	*	5290	112.45	-	-	97.17	33.15	11.27	29.14	175	175	P	V
	*	5290	105.29	-	-	90.01	33.15	11.27	29.14	175	175	A	V
		5350.56	65.09	-8.91	74	49.74	33.14	11.34	29.13	175	175	P	V
		5355.6	53.61	-0.39	54	38.25	33.14	11.35	29.13	175	175	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

[illegible]



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

WIFI Ant. 1+3	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		5458.16	63.96	-10.04	74	48.58	33.06	11.45	29.13	172	178	P	H
		5469.2	67.43	-0.77	68.2	52.03	33.07	11.46	29.13	172	178	P	H
		5460	53.55	-0.45	54	38.17	33.06	11.45	29.13	172	178	A	H
	*	5500	122.46	-	-	107.04	33.08	11.48	29.14	172	178	P	H
	*	5500	116.45	-	-	101.03	33.08	11.48	29.14	172	178	A	H
													H
		5459.76	62.1	-11.9	74	46.64	33.14	11.45	29.13	180	185	P	V
		5467.44	67.04	-1.16	68.2	51.57	33.14	11.46	29.13	180	185	P	V
		5458.64	53.38	-0.62	54	37.92	33.14	11.45	29.13	180	185	A	V
	*	5500	122.81	-	-	107.31	33.16	11.48	29.14	180	185	P	V
	*	5500	116.57	-	-	101.07	33.16	11.48	29.14	180	185	A	V
													V
802.11a CH 116 5580MHz		5433.76	58.74	-15.26	74	43.39	33.06	11.43	29.14	190	183	P	H
		5468.08	59.39	-8.81	68.2	43.99	33.07	11.46	29.13	190	183	P	H
		5452.72	49.3	-4.7	54	33.93	33.06	11.44	29.13	190	183	A	H
	*	5580	121.64	-	-	106.07	33.16	11.55	29.14	190	183	P	H
	*	5580	114.84	-	-	99.27	33.16	11.55	29.14	190	183	A	H
		5757.125	58.87	-9.33	68.2	42.48	33.83	11.73	29.17	190	183	P	H
		5350.24	58.98	-15.02	74	43.63	33.14	11.34	29.13	180	202	P	V
		5469.04	57.42	-10.78	68.2	41.95	33.14	11.46	29.13	180	202	P	V
		5351.44	48.85	-5.15	54	33.5	33.14	11.34	29.13	180	202	A	V
	*	5580	122.57	-	-	106.93	33.23	11.55	29.14	180	202	P	V
	*	5580	115.32	-	-	99.68	33.23	11.55	29.14	180	202	A	V
		5725.31	60.45	-7.75	68.2	44.19	33.72	11.7	29.16	180	202	P	V



802.11a CH 140 5700MHz	*	5700	122.71	-	-	106.59	33.6	11.67	29.15	178	178	P	V
	*	5700	115.67	-	-	99.55	33.6	11.67	29.15	178	178	A	V
		5727.64	67.03	-1.17	68.2	50.76	33.73	11.7	29.16	178	178	P	V
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													H
	*	5700	121.7	-	-	105.62	33.56	11.67	29.15	178	176	P	H
	*	5700	114.91	-	-	98.83	33.56	11.67	29.15	178	176	A	H
		5726.6	66.39	-1.81	68.2	50.16	33.69	11.7	29.16	178	176	P	H
													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. 1+3	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		11000	48.05	-25.95	74	60.47	39.08	16.72	68.22	-	-	P	H
		16500	48.56	-19.64	68.2	58.58	37.69	20.73	68.44	-	-	P	H
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		11000	47.04	-26.96	74	59.46	39.08	16.72	68.22	-	-	P	V
		16500	48.94	-19.26	68.2	58.87	37.78	20.73	68.44	-	-	P	V
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WIFI Ant. 1+3	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 116 5580MHz		11160	50.03	-23.97	74	61.96	39.08	17.09	68.1	200	142	P	H
		11160	39.82	-14.18	54	51.75	39.08	17.09	68.1	200	142	A	H
		16740	48.34	-19.86	68.2	57.85	38.1	21.17	68.78	165	158	P	H
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		11160	48.37	-25.63	74	60.32	39.06	17.09	68.1	100	78	P	V
		11160	38.29	-15.71	54	50.24	39.06	17.09	68.1	100	78	A	V
		16740	49.12	-19.08	68.2	58.64	38.09	21.17	68.78	166	190	P	V
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WIFI Ant. 1+3	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 140 5700MHz		11440	48.08	-25.92	74	59.54	39.23	17.04	67.73	-	-	P	H
		17160	48.53	-19.67	68.2	58.55	37.73	21.18	68.93	-	-	P	H
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		11440	48.34	-25.66	74	59.82	39.21	17.04	67.73	-	-	P	V
		17160	49.19	-19.01	68.2	59.08	37.86	21.18	68.93	-	-	P	V
													V
													V
													V
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													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. 1+3	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 100 5500MHz		5458.96	62.49	-11.51	74	47.11	33.06	11.45	29.13	200	185	P	H
		5465.68	64.13	-4.07	68.2	48.73	33.07	11.46	29.13	200	185	P	H
		5460	53.06	-0.94	54	37.68	33.06	11.45	29.13	200	185	A	H
	*	5500	123.78	-	-	108.36	33.08	11.48	29.14	200	185	P	H
	*	5500	115.37	-	-	99.95	33.08	11.48	29.14	200	185	A	H
													H
		5457.36	62.88	-11.12	74	47.43	33.13	11.45	29.13	195	187	P	V
		5469.52	66.68	-1.52	68.2	51.21	33.14	11.46	29.13	195	187	P	V
		5460	53.65	-0.35	54	38.19	33.14	11.45	29.13	195	187	A	V
	*	5500	123.33	-	-	107.83	33.16	11.48	29.14	195	187	P	V
	*	5500	115.66	-	-	100.16	33.16	11.48	29.14	195	187	A	V
													V
802.11be EHT20 Full CH 116 5580MHz		5454.16	58.8	-15.2	74	43.42	33.06	11.45	29.13	175	205	P	H
		5462.56	58.54	-9.66	68.2	43.15	33.07	11.45	29.13	175	205	P	H
		5452.96	49.54	-4.46	54	34.16	33.06	11.45	29.13	175	205	A	H
	*	5580	123.83	-	-	108.26	33.16	11.55	29.14	175	205	P	H
	*	5580	115.21	-	-	99.64	33.16	11.55	29.14	175	205	A	H
		5725.31	59.05	-9.15	68.2	42.83	33.68	11.7	29.16	175	205	P	H
		5453.92	58.68	-15.32	74	43.23	33.13	11.45	29.13	190	203	P	V
		5464.48	57.58	-10.62	68.2	42.12	33.14	11.45	29.13	190	203	P	V
		5350	48.53	-5.47	54	33.18	33.14	11.34	29.13	190	203	A	V
	*	5580	121.3	-	-	105.66	33.23	11.55	29.14	190	203	P	V
	*	5580	113.86	-	-	98.22	33.23	11.55	29.14	190	203	A	V
		5733.185	59.56	-8.64	68.2	43.25	33.76	11.71	29.16	190	203	P	V



802.11be EHT20 Full CH 140 5700MHz	*	5700	121.74	-	-	105.66	33.56	11.67	29.15	185	177	P	H
	*	5700	113.44	-	-	97.36	33.56	11.67	29.15	185	177	A	H
		5726.44	66.01	-2.19	68.2	49.78	33.69	11.7	29.16	185	177	P	H
													H
													H
													H
	*	5700	121.91	-	-	105.79	33.6	11.67	29.15	175	176	P	V
	*	5700	114.58	-	-	98.46	33.6	11.67	29.15	175	176	A	V
		5726.2	67.28	-0.92	68.2	51.01	33.73	11.7	29.16	175	176	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 (Harmonic @ 3m)

[illegible]

[illegible]

[illegible]



Band 3 5470~5725MHz

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

WIFI Ant. 1+3	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 102 5510MHz		5454.4	61.91	-12.09	74	46.53	33.06	11.45	29.13	170	177	P	H
		5469.28	66.2	-2	68.2	50.8	33.07	11.46	29.13	170	177	P	H
		5459.92	53.18	-0.82	54	37.8	33.06	11.45	29.13	170	177	A	H
	*	5510	121.11	-	-	105.68	33.08	11.49	29.14	170	177	P	H
	*	5510	112.73	-	-	97.3	33.08	11.49	29.14	170	177	A	H
		5734.76	60.7	-7.5	68.2	44.42	33.73	11.71	29.16	170	177	P	H
		5459.2	64.15	-9.85	74	48.69	33.14	11.45	29.13	179	189	P	V
		5470	64.97	-3.23	68.2	49.5	33.14	11.46	29.13	179	189	P	V
		5459.92	53.37	-0.63	54	37.91	33.14	11.45	29.13	179	189	A	V
	*	5510	119.8	-	-	104.29	33.16	11.49	29.14	179	189	P	V
	*	5510	110.88	-	-	95.37	33.16	11.49	29.14	179	189	A	V
		5736.335	59.04	-9.16	68.2	42.72	33.77	11.71	29.16	179	189	P	V
802.11be EHT40 Full CH 110 5550MHz		5459.92	62.78	-11.22	74	47.4	33.06	11.45	29.13	195	185	P	H
		5466.4	65.09	-3.11	68.2	49.69	33.07	11.46	29.13	195	185	P	H
		5459.68	53.56	-0.44	54	38.18	33.06	11.45	29.13	195	185	A	H
	*	5550	121.38	-	-	105.89	33.1	11.53	29.14	195	185	P	H
	*	5550	112.08	-	-	96.59	33.1	11.53	29.14	195	185	A	H
		5742.95	60.22	-7.98	68.2	43.9	33.77	11.72	29.17	195	185	P	H
		5458	61.38	-12.62	74	45.93	33.13	11.45	29.13	175	221	P	V
		5470	64.14	-4.06	68.2	48.67	33.14	11.46	29.13	175	221	P	V
		5459.92	52.42	-1.58	54	36.96	33.14	11.45	29.13	175	221	A	V
	*	5550	121.39	-	-	105.82	33.18	11.53	29.14	175	221	P	V
	*	5550	112.88	-	-	97.31	33.18	11.53	29.14	175	221	A	V
		5726.885	62.81	-5.39	68.2	46.54	33.73	11.7	29.16	175	221	P	V



802.11be EHT40 Full CH 134 5670MHz		5364.7	61.53	-12.47	74	46.22	33.09	11.36	29.14	185	188	P	H
		5467.6	56.53	-11.67	68.2	41.13	33.07	11.46	29.13	185	188	P	H
		5350	51.07	-2.93	54	35.76	33.1	11.34	29.13	185	188	A	H
	*	5670	117.14	-	-	101.22	33.44	11.64	29.16	185	188	P	H
	*	5670	109.28	-	-	93.36	33.44	11.64	29.16	185	188	A	H
		5725	61.96	-6.24	68.2	45.74	33.68	11.7	29.16	185	188	P	H
		5373.45	59.04	-14.96	74	43.68	33.13	11.37	29.14	185	212	P	V
		5460	55.6	-12.6	68.2	40.14	33.14	11.45	29.13	185	212	P	V
		5354.55	49.18	-4.82	54	33.82	33.14	11.35	29.13	185	212	A	V
	*	5670	119.17	-	-	103.2	33.49	11.64	29.16	185	212	P	V
	*	5670	110.76	-	-	94.79	33.49	11.64	29.16	185	212	A	V
		5725.1	64.95	-3.25	68.2	48.69	33.72	11.7	29.16	185	212	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)

[illegible]

[illegible]



Report No. : FR240524001B

[illegible]



Band 3 5470~5725MHz

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

WIFI Ant. 1+3	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 106 5530MHz		5453.68	62.9	-11.1	74	47.52	33.06	11.45	29.13	182	206	P	H
		5469.76	62.42	-5.78	68.2	47.02	33.07	11.46	29.13	182	206	P	H
		5459.92	53.02	-0.98	54	37.64	33.06	11.45	29.13	182	206	A	H
	*	5530	113.85	-	-	98.39	33.09	11.51	29.14	182	206	P	H
	*	5530	103.92	-	-	88.46	33.09	11.51	29.14	182	206	A	H
		5764.685	57.5	-10.7	68.2	41.07	33.87	11.74	29.18	182	206	P	H
		5453.92	60.63	-13.37	74	45.18	33.13	11.45	29.13	188	220	P	V
		5469.04	60.68	-7.52	68.2	45.21	33.14	11.46	29.13	188	220	P	V
		5459.92	51.66	-2.34	54	36.2	33.14	11.45	29.13	188	220	A	V
	*	5530	113.33	-	-	97.79	33.17	11.51	29.14	188	220	P	V
	*	5530	104.51	-	-	88.97	33.17	11.51	29.14	188	220	A	V
		5748.305	58.55	-9.65	68.2	42.16	33.83	11.73	29.17	188	220	P	V
802.11be EHT80 Full CH 122 5610MHz		5458.24	56.08	-17.92	74	40.7	33.06	11.45	29.13	201	135	P	H
		5464	56.04	-12.16	68.2	40.65	33.07	11.45	29.13	201	135	P	H
		5452.72	47.06	-6.94	54	31.69	33.06	11.44	29.13	201	135	A	H
	*	5610	115.13	-	-	99.47	33.23	11.58	29.15	201	135	P	H
	*	5610	106.6	-	-	90.94	33.23	11.58	29.15	201	135	A	H
		5732.24	63.51	-4.69	68.2	47.25	33.71	11.71	29.16	201	135	P	H
		5457.04	58.16	-15.84	74	42.71	33.13	11.45	29.13	192	216	P	V
		5465.44	58.41	-9.79	68.2	42.94	33.14	11.46	29.13	192	216	P	V
		5459.92	48.71	-5.29	54	33.25	33.14	11.45	29.13	192	216	A	V
	*	5610	117.62	-	-	101.89	33.3	11.58	29.15	192	216	P	V
	*	5610	109.31	-	-	93.58	33.3	11.58	29.15	192	216	A	V
		5727.2	63.83	-4.37	68.2	47.56	33.73	11.7	29.16	192	216	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)

[illegible]

[illegible]

**Band 3 5470~5725MHz****WIFI 802.11be EHT160 Full (Band Edge @ 3m)**

WIFI Ant. 1+3	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		5446	61.27	-12.73	74	45.9	33.06	11.44	29.13	168	180	P	H
		5469.7	60.78	-7.42	68.2	45.38	33.07	11.46	29.13	168	180	P	H
		5452.6	51.43	-2.57	54	36.06	33.06	11.44	29.13	168	180	A	H
	*	5570	111.5	-	-	95.96	33.14	11.54	29.14	168	180	P	H
	*	5570	103.45	-	-	87.91	33.14	11.54	29.14	168	180	A	H
		5735.025	65.82	-2.38	68.2	49.54	33.73	11.71	29.16	168	180	P	H
		5375.5	60.23	-13.77	74	44.87	33.13	11.37	29.14	180	180	P	V
		5469.4	60.64	-7.56	68.2	45.17	33.14	11.46	29.13	180	180	P	V
		5460	51.94	-2.06	54	36.48	33.14	11.45	29.13	180	180	A	V
	*	5570	111.78	-	-	96.16	33.22	11.54	29.14	180	180	P	V
	*	5570	103.23	-	-	87.61	33.22	11.54	29.14	180	180	A	V
		5725.4	67.99	-0.21	68.2	51.73	33.72	11.7	29.16	180	180	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. 1+3	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		11140	47.61	-26.39	74	59.77	39.1	16.82	68.08	-	-	P	H
		16710	46.65	-21.55	68.2	57.21	37.41	20.88	68.85	-	-	P	H
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		11140	47.13	-26.87	74	59.27	39.12	16.82	68.08	-	-	P	V
		16710	45.8	-22.4	68.2	56.27	37.5	20.88	68.85	-	-	P	V
													V
													V
													V
													V
													V
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													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.	
1+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5414.74	61.9	-12.1	74	46.56	33.07	11.41	29.14	178	193	P	H
		5461.15	56.09	-12.11	68.2	40.71	33.06	11.45	29.13	178	193	P	H
		5419.03	53.67	-0.33	54	38.32	33.07	11.42	29.14	178	193	A	H
	*	5720	123.28	-	-	107.08	33.66	11.7	29.16	178	193	P	H
	*	5720	116.84	-	-	100.64	33.66	11.7	29.16	178	193	A	H
		5850.94	60.54	-7.66	68.2	43.77	34.17	11.83	29.23	178	193	P	H
		5410.84	58.13	-15.87	74	42.75	33.12	11.41	29.15	192	216	P	V
		5469.34	55.26	-12.94	68.2	39.79	33.14	11.46	29.13	192	216	P	V
		5405.77	50.16	-3.84	54	34.79	33.12	11.4	29.15	192	216	A	V
	*	5720	123.23	-	-	106.99	33.7	11.7	29.16	192	216	P	V
	*	5720	117.15	-	-	100.91	33.7	11.7	29.16	192	216	A	V
		5873.3	59.69	-8.51	68.2	42.82	34.25	11.85	29.23	192	216	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. 1+3	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	49.86	-24.14	74	60.95	39.27	17.37	67.73	185	170	P	H
		11440	39.37	-14.63	54	50.46	39.27	17.37	67.73	185	170	A	H
		17164	48.67	-19.53	68.2	58.1	38.01	21.5	68.94	200	184	P	H
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		11440	48.86	-25.14	74	59.99	39.23	17.37	67.73	175	107	P	V
		11440	38.72	-15.28	54	49.85	39.23	17.37	67.73	175	107	A	V
		17160	48.79	-19.41	68.2	58.22	38	21.5	68.93	195	160	P	V
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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 (Band Edge @ 3m)

WIFI Ant. 1+3	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		5416.3	61.56	-12.44	74	46.22	33.07	11.41	29.14	176	206	P	H
		5463.49	56.82	-11.38	68.2	41.43	33.07	11.45	29.13	176	206	P	H
		5420.98	53.7	-0.3	54	38.35	33.07	11.42	29.14	176	206	A	H
	*	5720	122.28	-	-	106.08	33.66	11.7	29.16	176	206	P	H
	*	5720	114.32	-	-	98.12	33.66	11.7	29.16	176	206	A	H
		5884.74	58.77	-9.43	68.2	41.91	34.23	11.86	29.23	176	206	P	H
		5411.62	59.62	-14.38	74	44.24	33.12	11.41	29.15	175	216	P	V
		5464.27	54.76	-13.44	68.2	39.3	33.14	11.45	29.13	175	216	P	V
		5404.6	49.98	-4.02	54	34.61	33.12	11.4	29.15	175	216	A	V
	*	5720	123.85	-	-	107.61	33.7	11.7	29.16	175	216	P	V
	*	5720	116.96	-	-	100.72	33.7	11.7	29.16	175	216	A	V
		5864.98	60.47	-7.73	68.2	43.62	34.24	11.84	29.23	175	216	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)

[illegible]



Band 3 - Straddle Channel

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

WIFI Ant. 1+3	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		5410.84	61.54	-12.46	74	46.21	33.07	11.41	29.15	172	188	P	H
		5466.61	57.46	-10.74	68.2	42.06	33.07	11.46	29.13	172	188	P	H
		5404.99	53.38	-0.62	54	38.06	33.07	11.4	29.15	172	188	A	H
	*	5710	120.05	-	-	103.9	33.61	11.69	29.15	172	188	P	H
	*	5710	110.81	-	-	94.66	33.61	11.69	29.15	172	188	A	H
		5853.02	60.63	-7.57	68.2	43.86	34.17	11.83	29.23	172	188	P	H
		5402.26	59.28	-14.72	74	43.91	33.12	11.4	29.15	180	212	P	V
		5467.78	55.37	-12.83	68.2	39.9	33.14	11.46	29.13	180	212	P	V
		5396.8	49.82	-4.18	54	34.45	33.12	11.4	29.15	180	212	A	V
	*	5710	120.04	-	-	103.85	33.65	11.69	29.15	180	212	P	V
	*	5710	112.16	-	-	95.97	33.65	11.69	29.15	180	212	A	V
		5857.18	60.31	-7.89	68.2	43.49	34.22	11.83	29.23	180	212	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)

[illegible]



Band 3 Straddle Channel

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

WIFI Ant. 1+3	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		5370.28	62.1	-11.9	74	46.79	33.09	11.36	29.14	190	195	P	H
		5459.98	59.16	-14.84	74	43.78	33.06	11.45	29.13	190	195	P	H
		5350	53.67	-0.33	54	38.36	33.1	11.34	29.13	190	195	A	H
	*	5690	118.96	-	-	102.93	33.52	11.66	29.15	190	195	P	H
	*	5690	109.14	-	-	93.11	33.52	11.66	29.15	190	195	A	H
		5851.2	64.29	-3.91	68.2	47.52	34.17	11.83	29.23	190	195	P	H
		5366.38	59.66	-14.34	74	44.31	33.13	11.36	29.14	185	214	P	V
		5463.1	56.43	-11.77	68.2	40.97	33.14	11.45	29.13	185	214	P	V
		5355.46	50.01	-3.99	54	34.65	33.14	11.35	29.13	185	214	A	V
	*	5690	119.19	-	-	103.12	33.56	11.66	29.15	185	214	P	V
	*	5690	110.08	-	-	94.01	33.56	11.66	29.15	185	214	A	V
		5851.72	65.02	-3.18	68.2	48.21	34.21	11.83	29.23	185	214	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)

[illegible]

Emission above 18GHz

WIFI 802.11be EHT40 Full (SHF @ 1m)

[illegible]

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.	
1+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11be EHT40 Full LF		30.97	29.13	-10.87	40	36.31	24.29	0.93	32.4	-	-	P	H
		100.81	30.36	-13.14	43.5	44.98	16.13	1.68	32.43	-	-	P	H
		250.19	28	-18	46	39.71	18.22	2.52	32.45	-	-	P	H
		375.32	27	-19	46	35.61	20.92	3.09	32.62	-	-	P	H
		500.45	33.05	-12.95	46	38.42	23.83	3.6	32.8	-	-	P	H
		825.4	33.06	-12.94	46	32.74	28.05	4.76	32.49	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
		30.97	39.11	-0.89	40	46.29	24.29	0.93	32.4	100	180	Q	V
		77.53	36.65	-3.35	40	54.6	13.08	1.39	32.42	102	35	Q	V
		100.81	35.61	-7.89	43.5	50.23	16.13	1.68	32.43	-	-	P	V
		165.8	28.27	-15.23	43.5	42.69	15.98	2.03	32.43	-	-	P	V
		500.45	32.52	-13.48	46	37.89	23.83	3.6	32.8	-	-	P	V
		945.68	32.26	-13.74	46	28.41	30.4	5.08	31.63	-	-	P	V
													V
												V	
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												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.												



<4x4 Mode>

Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2+3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5148.2	63.45	-10.55	74	48.34	33.17	11.12	29.18	195	185	P	H
		5149.24	53.2	-0.8	54	38.09	33.17	11.12	29.18	195	185	A	H
	*	5180	121.5	-	-	106.37	33.16	11.14	29.17	195	185	P	H
	*	5180	116.16	-	-	101.03	33.16	11.14	29.17	195	185	A	H
													H
													H
		5148.72	63.25	-10.75	74	48.07	33.24	11.12	29.18	188	185	P	V
		5150	53.27	-0.73	54	38.09	33.24	11.12	29.18	188	185	A	V
	*	5180	121.95	-	-	106.76	33.22	11.14	29.17	188	185	P	V
	*	5180	115.21	-	-	100.02	33.22	11.14	29.17	188	185	A	V
													V
													V
802.11a CH 44 5220MHz		5137.54	62.3	-11.7	74	47.2	33.17	11.11	29.18	178	181	P	H
		5146.38	51.85	-2.15	54	36.74	33.17	11.12	29.18	178	181	A	H
	*	5220	127.8	-	-	112.64	33.13	11.18	29.15	178	181	P	H
	*	5220	120.95	-	-	105.79	33.13	11.18	29.15	178	181	A	H
		5360.6	63.24	-10.76	74	47.93	33.09	11.35	29.13	178	181	P	H
		5459.16	51.27	-2.73	54	35.89	33.06	11.45	29.13	178	181	A	H
		5146.9	61.89	-12.11	74	46.71	33.24	11.12	29.18	168	183	P	V
		5149.76	52.45	-1.55	54	37.27	33.24	11.12	29.18	168	183	A	V
	*	5220	127.57	-	-	112.36	33.18	11.18	29.15	168	183	P	V
	*	5220	120.76	-	-	105.55	33.18	11.18	29.15	168	183	A	V
		5374.04	61.89	-12.11	74	46.53	33.13	11.37	29.14	168	183	P	V
		5366.48	52.19	-1.81	54	36.84	33.13	11.36	29.14	168	183	A	V



802.11a CH 48 5240MHz		5145.08	60.82	-13.18	74	45.71	33.17	11.12	29.18	300	176	P	H
		5150	50.45	-3.55	54	35.34	33.17	11.12	29.18	300	176	A	H
	*	5240	125.32	-	-	110.13	33.12	11.21	29.14	300	176	P	H
	*	5240	119.55	-	-	104.36	33.12	11.21	29.14	300	176	A	H
		5357.8	59.66	-14.34	74	44.34	33.1	11.35	29.13	300	176	P	H
		5351.92	49.93	-4.07	54	34.62	33.1	11.34	29.13	300	176	A	H
		5092.3	61.92	-12.08	74	46.74	33.27	11.08	29.17	332	178	P	V
		5093.86	52.45	-1.55	54	37.27	33.26	11.08	29.16	332	178	A	V
	*	5240	125.64	-	-	110.41	33.16	11.21	29.14	332	178	P	V
	*	5240	118.85	-	-	103.62	33.16	11.21	29.14	332	178	A	V
		5400.64	60.33	-13.67	74	44.96	33.12	11.4	29.15	332	178	P	V
		5390.28	50.58	-3.42	54	35.22	33.12	11.39	29.15	332	178	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. 1+2+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 36 5180MHz		10360	46.81	-21.39	68.2	60.39	38.99	16.28	68.85	-	-	P	H
		15540	47.74	-26.26	74	57.96	38.36	20.06	68.64	-	-	P	H
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		10360	47.56	-20.64	68.2	61.12	39.01	16.28	68.85	-	-	P	V
		15540	48.54	-25.46	74	58.75	38.37	20.06	68.64	-	-	P	V
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WIFI Ant. 1+2+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 44 5220MHz		10440	56.31	-11.89	68.2	69.55	39.04	16.33	68.61	400	132	P	H
		15660	48.75	-25.25	74	59.24	38.07	20.15	68.71	-	-	P	H
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		10440	55.28	-12.92	68.2	68.49	39.07	16.33	68.61	198	223	P	V
		15660	49.21	-24.79	74	59.66	38.11	20.15	68.71	-	-	P	V
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[illegible]



Band 1 5150~5250MHz

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

WIFI Ant. 1+2+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 36 5180MHz		5150	61.85	-12.15	74	46.74	33.17	11.12	29.18	300	176	P	H
		5150	53.11	-0.89	54	38	33.17	11.12	29.18	300	176	A	H
	*	5180	120.58	-	-	105.45	33.16	11.14	29.17	300	176	P	H
	*	5180	112.59	-	-	97.46	33.16	11.14	29.17	300	176	A	H
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		5148.98	62	-12	74	46.82	33.24	11.12	29.18	138	182	P	V
		5150	51.85	-2.15	54	36.67	33.24	11.12	29.18	138	182	A	V
	*	5180	120.23	-	-	105.04	33.22	11.14	29.17	138	182	P	V
	*	5180	112.4	-	-	97.21	33.22	11.14	29.17	138	182	A	V
													V
													V
802.11be EHT20 Full CH 44 5220MHz		5148.72	61.79	-12.21	74	46.68	33.17	11.12	29.18	300	179	P	H
		5149.76	52.37	-1.63	54	37.26	33.17	11.12	29.18	300	179	A	H
	*	5220	126.87	-	-	111.71	33.13	11.18	29.15	300	179	P	H
	*	5220	119.08	-	-	103.92	33.13	11.18	29.15	300	179	A	H
		5370.4	59.93	-14.07	74	44.62	33.09	11.36	29.14	300	179	P	H
		5350	50.13	-3.87	54	34.82	33.1	11.34	29.13	300	179	A	H
		5145.08	62.2	-11.8	74	47.02	33.24	11.12	29.18	280	181	P	V
		5149.76	52.55	-1.45	54	37.37	33.24	11.12	29.18	280	181	A	V
	*	5220	126.57	-	-	111.36	33.18	11.18	29.15	280	181	P	V
	*	5220	119.35	-	-	104.14	33.18	11.18	29.15	280	181	A	V
		5454.96	60.54	-13.46	74	45.09	33.13	11.45	29.13	280	181	P	V
		5456.36	50.55	-3.45	54	35.1	33.13	11.45	29.13	280	181	A	V



802.11be EHT20 Full CH 48 5240MHz		5149.5	60.5	-13.5	74	45.39	33.17	11.12	29.18	130	180	P	H
		5149.5	50.49	-3.51	54	35.38	33.17	11.12	29.18	130	180	A	H
	*	5240	126.01	-	-	110.82	33.12	11.21	29.14	130	180	P	H
	*	5240	118.73	-	-	103.54	33.12	11.21	29.14	130	180	A	H
		5397.56	59.22	-14.78	74	43.9	33.07	11.4	29.15	130	180	P	H
		5351.92	49.23	-4.77	54	33.92	33.1	11.34	29.13	130	180	A	H
		5088.92	61.67	-12.33	74	46.49	33.27	11.08	29.17	352	178	P	V
		5094.9	51.93	-2.07	54	36.75	33.26	11.08	29.16	352	178	A	V
	*	5240	125.19	-	-	109.96	33.16	11.21	29.14	352	178	P	V
	*	5240	118.21	-	-	102.98	33.16	11.21	29.14	352	178	A	V
		5388.6	59.75	-14.25	74	44.39	33.12	11.39	29.15	352	178	P	V
		5390.28	50.29	-3.71	54	34.93	33.12	11.39	29.15	352	178	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)

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[illegible]

[illegible]



Band 1 5150~5250MHz

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

WIFI Ant. 1+2+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 38 5190MHz		5150	62.14	-11.86	74	47.03	33.17	11.12	29.18	270	177	P	H
		5150	53.5	-0.5	54	38.39	33.17	11.12	29.18	270	177	A	H
	*	5190	116.66	-	-	101.52	33.15	11.15	29.16	270	177	P	H
	*	5190	109.7	-	-	94.56	33.15	11.15	29.16	270	177	A	H
		5390.56	57.06	-16.94	74	41.74	33.08	11.39	29.15	270	177	P	H
		5352.2	46.87	-7.13	54	31.56	33.1	11.34	29.13	270	177	A	H
		5146.38	62.49	-11.51	74	47.31	33.24	11.12	29.18	280	180	P	V
		5147.42	52.89	-1.11	54	37.71	33.24	11.12	29.18	280	180	A	V
	*	5190	117.83	-	-	102.63	33.21	11.15	29.16	280	180	P	V
	*	5190	110.08	-	-	94.88	33.21	11.15	29.16	280	180	A	V
		5420.24	57.65	-16.35	74	42.25	33.12	11.42	29.14	280	180	P	V
		5426.96	47.9	-6.1	54	32.49	33.13	11.42	29.14	280	180	A	V
802.11be EHT40 Full CH 46 5230MHz		5149.76	63.04	-10.96	74	47.93	33.17	11.12	29.18	300	178	P	H
		5150	53.52	-0.48	54	38.41	33.17	11.12	29.18	300	178	A	H
	*	5230	121.55	-	-	106.36	33.13	11.2	29.14	300	178	P	H
	*	5230	113.99	-	-	98.8	33.13	11.2	29.14	300	178	A	H
		5359.48	59.89	-14.11	74	44.58	33.09	11.35	29.13	300	178	P	H
		5350.24	49.96	-4.04	54	34.65	33.1	11.34	29.13	300	178	A	H
		5149.5	62.73	-11.27	74	47.55	33.24	11.12	29.18	300	183	P	V
		5147.94	52.55	-1.45	54	37.37	33.24	11.12	29.18	300	183	A	V
	*	5230	121.55	-	-	106.32	33.17	11.2	29.14	300	183	P	V
	*	5230	114.07	-	-	98.84	33.17	11.2	29.14	300	183	A	V
		5364.52	59.09	-14.91	74	43.74	33.13	11.36	29.14	300	183	P	V
		5452.72	49.65	-4.35	54	34.21	33.13	11.44	29.13	300	183	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)

[illegible]

WIFI Ant. 1+2+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 46 5230MHz		10460	48.05	-20.15	68.2	61.19	39.07	16.35	68.56	-	-	P	H
		15690	47.7	-26.3	74	58.34	38.02	20.16	68.82	-	-	P	H
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Band 1 5150~5250MHz

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

WIFI Ant. 1+2+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		5148.46	62.03	-11.97	74	46.92	33.17	11.12	29.18	172	181	P	H
		5150	53.07	-0.93	54	37.96	33.17	11.12	29.18	172	181	A	H
	*	5210	115.09	-	-	99.93	33.14	11.17	29.15	172	181	P	H
	*	5210	106.48	-	-	91.32	33.14	11.17	29.15	172	181	A	H
		5358.92	58.76	-15.24	74	43.45	33.09	11.35	29.13	172	181	P	H
		5452.72	48.91	-5.09	54	33.54	33.06	11.44	29.13	172	181	A	H
		5149.76	63.05	-10.95	74	47.87	33.24	11.12	29.18	170	179	P	V
		5150	52.8	-1.2	54	37.62	33.24	11.12	29.18	170	179	A	V
	*	5210	114.19	-	-	98.98	33.19	11.17	29.15	170	179	P	V
	*	5210	105.5	-	-	90.29	33.19	11.17	29.15	170	179	A	V
		5382.72	59.21	-14.79	74	43.84	33.13	11.38	29.14	170	179	P	V
		5350.8	48.73	-5.27	54	33.38	33.14	11.34	29.13	170	179	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. 1+2+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		10420	46.65	-21.55	68.2	59.96	39.03	16.32	68.66	-	-	P	H
		15630	47.19	-26.81	74	57.55	38.13	20.12	68.61	-	-	P	H
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802.11be EHT80 Full CH 42 5210MHz		10420	47.22	-20.98	68.2	60.52	39.04	16.32	68.66	-	-	P	V
		15630	47.19	-26.81	74	57.52	38.16	20.12	68.61	-	-	P	V
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Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
Remark	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. 1+2+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		5150	63.12	-10.88	74	48.01	33.17	11.12	29.18	180	181	P	H
		5149.24	52.23	-1.77	54	37.12	33.17	11.12	29.18	180	181	A	H
	*	5250	112.44	-	-	97.24	33.11	11.22	29.13	180	181	P	H
	*	5250	103.1	-	-	87.9	33.11	11.22	29.13	180	181	A	H
		5402.6	65.07	-8.93	74	49.75	33.07	11.4	29.15	180	181	P	H
		5369.28	53.09	-0.91	54	37.78	33.09	11.36	29.14	180	181	A	H
		5125.58	62.28	-11.72	74	47.1	33.25	11.1	29.17	168	180	P	V
		5150	52.53	-1.47	54	37.35	33.24	11.12	29.18	168	180	A	V
	*	5250	109.95	-	-	94.71	33.15	11.22	29.13	168	180	P	V
	*	5250	101.62	-	-	86.38	33.15	11.22	29.13	168	180	A	V
		5358.08	63.45	-10.55	74	48.09	33.14	11.35	29.13	168	180	P	V
		5350	53.47	-0.53	54	38.12	33.14	11.34	29.13	168	180	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. 1+2+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	47.48	-20.72	68.2	60.45	39.13	16.37	68.47	-	-	P	H
		15750	48.49	-25.51	74	59.38	37.95	20.2	69.04	-	-	P	H
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		10500	46.37	-21.83	68.2	59.32	39.15	16.37	68.47	-	-	P	V
		15750	47.74	-26.26	74	58.59	37.99	20.2	69.04	-	-	P	V
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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. 1+2+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		5147.22	61.19	-12.81	74	46.08	33.17	11.12	29.18	178	180	P	H
		5148.24	52.44	-1.56	54	37.33	33.17	11.12	29.18	178	180	A	H
	*	5260	127.45	-	-	112.24	33.11	11.23	29.13	178	180	P	H
	*	5260	121.16	-	-	105.95	33.11	11.23	29.13	178	180	A	H
		5359.2	62.61	-11.39	74	47.3	33.09	11.35	29.13	178	180	P	H
		5350.08	53.49	-0.51	54	38.18	33.1	11.34	29.13	178	180	A	H
		5107.78	61.9	-12.1	74	46.71	33.26	11.09	29.16	175	180	P	V
		5108.12	52.4	-1.6	54	37.21	33.26	11.09	29.16	175	180	A	V
	*	5260	126.86	-	-	111.61	33.15	11.23	29.13	175	180	P	V
	*	5260	121.1	-	-	105.85	33.15	11.23	29.13	175	180	A	V
		5414.64	62.68	-11.32	74	47.29	33.12	11.41	29.14	175	180	P	V
		5412.48	52.61	-1.39	54	37.23	33.12	11.41	29.15	175	180	A	V
802.11a CH 60 5300MHz		5148.24	60.64	-13.36	74	45.53	33.17	11.12	29.18	195	179	P	H
		5149.94	50.74	-3.26	54	35.63	33.17	11.12	29.18	195	179	A	H
	*	5300	127.15	-	-	111.91	33.1	11.28	29.14	195	179	P	H
	*	5300	120.5	-	-	105.26	33.1	11.28	29.14	195	179	A	H
		5352.24	62.63	-11.37	74	47.32	33.1	11.34	29.13	195	179	P	H
		5352.24	53.6	-0.4	54	38.29	33.1	11.34	29.13	195	179	A	H
		5144.5	61.05	-12.95	74	45.87	33.24	11.12	29.18	175	179	P	V
		5147.56	52.69	-1.31	54	37.51	33.24	11.12	29.18	175	179	A	V
	*	5300	125.48	-	-	110.19	33.15	11.28	29.14	175	179	P	V
	*	5300	119.94	-	-	104.65	33.15	11.28	29.14	175	179	A	V
		5353.92	61.24	-12.76	74	45.89	33.14	11.34	29.13	175	179	P	V
		5352.24	53.27	-0.73	54	37.92	33.14	11.34	29.13	175	179	A	V



802.11a CH 64 5320MHz	*	5320	124.81	-	-	109.55	33.1	11.3	29.14	188	179	P	H
	*	5320	118.62	-	-	103.36	33.1	11.3	29.14	188	179	A	H
		5350.56	64.33	-9.67	74	49.02	33.1	11.34	29.13	188	179	P	H
		5351.2	53.57	-0.43	54	38.26	33.1	11.34	29.13	188	179	A	H
													H
													H
	*	5320	124.27	-	-	108.96	33.15	11.3	29.14	185	176	P	V
	*	5320	117.61	-	-	102.3	33.15	11.3	29.14	185	176	A	V
		5352.8	64.91	-9.09	74	49.56	33.14	11.34	29.13	185	176	P	V
		5351.04	53.02	-0.98	54	37.67	33.14	11.34	29.13	185	176	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. 1+2+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		10520	51.51	-16.69	68.2	64.39	39.16	16.39	68.43	100	218	P	H
		15780	47.77	-26.23	74	58.79	37.91	20.22	69.15	-	-	P	H
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		10520	51.79	-16.41	68.2	64.65	39.18	16.39	68.43	195	165	P	V
		15780	49.57	-24.43	74	60.55	37.95	20.22	69.15	-	-	P	V
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WIFI Ant. 1+2+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 60 5300MHz		10600	48.53	-25.47	74	61.18	39.3	16.44	68.39	-	-	P	H
		15900	47.04	-26.96	74	57.91	37.81	20.31	68.99	-	-	P	H
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													H
		10600	47.36	-26.64	74	59.98	39.33	16.44	68.39	-	-	P	V
		15900	47.02	-26.98	74	57.84	37.86	20.31	68.99	-	-	P	V
													V
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													V
													V
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WIFI Ant. 1+2+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 64 5320MHz		10640	47.89	-26.11	74	60.52	39.38	16.47	68.48	-	-	P	H
		15960	47.08	-26.92	74	57.82	37.73	20.35	68.82	-	-	P	H
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		10640	47.06	-26.94	74	59.66	39.41	16.47	68.48	-	-	P	V
		15960	46.79	-27.21	74	57.47	37.79	20.35	68.82	-	-	P	V
													V
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													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. 1+2+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 52 5260MHz		5097.92	60.56	-13.44	74	45.45	33.19	11.08	29.16	172	179	P	H
		5149.94	52.39	-1.61	54	37.28	33.17	11.12	29.18	172	179	A	H
	*	5260	126.29	-	-	111.08	33.11	11.23	29.13	172	179	P	H
	*	5260	118.9	-	-	103.69	33.11	11.23	29.13	172	179	A	H
		5352.72	62.6	-11.4	74	47.29	33.1	11.34	29.13	172	179	P	H
		5350.56	53.52	-0.48	54	38.21	33.1	11.34	29.13	172	179	A	H
		5146.54	63.29	-10.71	74	48.11	33.24	11.12	29.18	168	179	P	V
		5148.92	52.6	-1.4	54	37.42	33.24	11.12	29.18	168	179	A	V
	*	5260	126.63	-	-	111.38	33.15	11.23	29.13	168	179	P	V
	*	5260	118.68	-	-	103.43	33.15	11.23	29.13	168	179	A	V
		5355.12	62.72	-11.28	74	47.36	33.14	11.35	29.13	168	179	P	V
		5350.32	53.08	-0.92	54	37.73	33.14	11.34	29.13	168	179	A	V
802.11be EHT20 Full CH 60 5300MHz		5145.18	59.35	-14.65	74	44.24	33.17	11.12	29.18	165	181	P	H
		5148.24	50.37	-3.63	54	35.26	33.17	11.12	29.18	165	181	A	H
	*	5300	125.45	-	-	110.21	33.1	11.28	29.14	165	181	P	H
	*	5300	117.16	-	-	101.92	33.1	11.28	29.14	165	181	A	H
		5351.76	62.64	-11.36	74	47.33	33.1	11.34	29.13	165	181	P	H
		5350.8	53.49	-0.51	54	38.18	33.1	11.34	29.13	165	181	A	H
		5139.06	60.57	-13.43	74	45.4	33.24	11.11	29.18	168	180	P	V
		5149.26	51.78	-2.22	54	36.6	33.24	11.12	29.18	168	180	A	V
	*	5300	124.24	-	-	108.95	33.15	11.28	29.14	168	180	P	V
	*	5300	116.88	-	-	101.59	33.15	11.28	29.14	168	180	A	V
		5351.52	63.03	-10.97	74	47.68	33.14	11.34	29.13	168	180	P	V
		5350.32	53.37	-0.63	54	38.02	33.14	11.34	29.13	168	180	A	V



802.11be EHT20 Full CH 64 5320MHz	*	5320	121.46	-	-	106.2	33.1	11.3	29.14	310	184	P	H
	*	5320	112.92	-	-	97.66	33.1	11.3	29.14	310	184	A	H
		5353.6	61.95	-12.05	74	46.64	33.1	11.34	29.13	310	184	P	H
		5350.08	52.17	-1.83	54	36.86	33.1	11.34	29.13	310	184	A	H
													H
													H
	*	5320	120.19	-	-	104.88	33.15	11.3	29.14	230	183	P	V
	*	5320	112.33	-	-	97.02	33.15	11.3	29.14	230	183	A	V
		5350.72	62.31	-11.69	74	46.96	33.14	11.34	29.13	230	183	P	V
		5350.08	51.17	-2.83	54	35.82	33.14	11.34	29.13	230	183	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)

[illegible]



Report No. : FR240524001B

[illegible]



Report No. : FR240524001B

[illegible]



Band 2 5250~5350MHz

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

WIFI Ant. 1+2+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		5142.46	59.61	-14.39	74	44.5	33.17	11.12	29.18	310	181	P	H
		5149.94	49.75	-4.25	54	34.64	33.17	11.12	29.18	310	181	A	H
	*	5270	120.79	-	-	105.57	33.11	11.24	29.13	310	181	P	H
	*	5270	113.51	-	-	98.29	33.11	11.24	29.13	310	181	A	H
		5355.12	61.88	-12.12	74	46.56	33.1	11.35	29.13	310	181	P	H
		5350.08	52.95	-1.05	54	37.64	33.1	11.34	29.13	310	181	A	H
		5123.76	61.02	-12.98	74	45.84	33.25	11.1	29.17	250	182	P	V
		5134.64	50.64	-3.36	54	35.45	33.25	11.11	29.17	250	182	A	V
	*	5270	120.73	-	-	105.47	33.15	11.24	29.13	250	182	P	V
	*	5270	112.39	-	-	97.13	33.15	11.24	29.13	250	182	A	V
		5352.24	61	-13	74	45.65	33.14	11.34	29.13	250	182	P	V
		5350.08	52.02	-1.98	54	36.67	33.14	11.34	29.13	250	182	A	V
802.11be EHT40 Full CH 62 5310MHz		5144.5	57.38	-16.62	74	42.27	33.17	11.12	29.18	315	183	P	H
		5145.52	47.25	-6.75	54	32.14	33.17	11.12	29.18	315	183	A	H
	*	5310	117.63	-	-	102.38	33.1	11.29	29.14	315	183	P	H
	*	5310	108.42	-	-	93.17	33.1	11.29	29.14	315	183	A	H
		5357.76	61.76	-12.24	74	46.44	33.1	11.35	29.13	315	183	P	H
		5350.08	53.76	-0.24	54	38.45	33.1	11.34	29.13	315	183	A	H
		5071.74	56.97	-17.03	74	41.81	33.28	11.06	29.18	100	181	P	V
		5139.74	47.42	-6.58	54	32.25	33.24	11.11	29.18	100	181	A	V
	*	5310	114.1	-	-	98.8	33.15	11.29	29.14	100	181	P	V
	*	5310	105.83	-	-	90.53	33.15	11.29	29.14	100	181	A	V
		5353.2	61.97	-12.03	74	46.62	33.14	11.34	29.13	100	181	P	V
		5350.08	53.5	-0.5	54	38.15	33.14	11.34	29.13	100	181	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)

[illegible]

[illegible]



Band 2 5250~5350MHz

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

WIFI Ant. 1+2+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		5133.62	57.73	-16.27	74	42.61	33.18	11.11	29.17	318	181	P	H
		5119	47.78	-6.22	54	32.67	33.18	11.1	29.17	318	181	A	H
	*	5290	114.92	-	-	99.69	33.1	11.27	29.14	318	181	P	H
	*	5290	104.29	-	-	89.06	33.1	11.27	29.14	318	181	A	H
		5354.16	61.63	-12.37	74	46.32	33.1	11.34	29.13	318	181	P	H
		5350.08	52.42	-1.58	54	37.11	33.1	11.34	29.13	318	181	A	H
		5124.1	57.92	-16.08	74	42.74	33.25	11.1	29.17	250	181	P	V
		5145.86	48.18	-5.82	54	33	33.24	11.12	29.18	250	181	A	V
	*	5290	113.08	-	-	97.8	33.15	11.27	29.14	250	181	P	V
	*	5290	103.78	-	-	88.5	33.15	11.27	29.14	250	181	A	V
		5352.96	62.12	-11.88	74	46.77	33.14	11.34	29.13	250	181	P	V
		5350.32	52.97	-1.03	54	37.62	33.14	11.34	29.13	250	181	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. 1+2+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		10580	46.82	-21.38	68.2	59.51	39.26	16.43	68.38	-	-	P	H
		15870	49.5	-24.5	74	60.46	37.83	20.29	69.08	-	-	P	H
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Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2+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		5457.84	60.58	-13.42	74	45.2	33.06	11.45	29.13	315	177	P	H
		5467.44	65.33	-2.87	68.2	49.93	33.07	11.46	29.13	315	177	P	H
		5458.64	51.23	-2.77	54	35.85	33.06	11.45	29.13	315	177	A	H
	*	5500	123.49	-	-	108.07	33.08	11.48	29.14	315	177	P	H
	*	5500	116.48	-	-	101.06	33.08	11.48	29.14	315	177	A	H
													H
		5457.52	63.61	-10.39	74	48.16	33.13	11.45	29.13	320	179	P	V
		5467.44	66.58	-1.62	68.2	51.11	33.14	11.46	29.13	320	179	P	V
		5458.64	53.62	-0.38	54	38.16	33.14	11.45	29.13	320	179	A	V
	*	5500	123.65	-	-	108.15	33.16	11.48	29.14	320	179	P	V
	*	5500	117.9	-	-	102.4	33.16	11.48	29.14	320	179	A	V
													V
802.11a CH 116 5580MHz		5361.76	55.47	-18.53	74	40.16	33.09	11.35	29.13	110	178	P	H
		5466.16	54.59	-13.61	68.2	39.19	33.07	11.46	29.13	110	178	P	H
		5352.16	46.51	-7.49	54	31.2	33.1	11.34	29.13	110	178	A	H
	*	5580	121.6	-	-	106.03	33.16	11.55	29.14	110	178	P	H
		5128	51.71	-2.29	54	36.59	33.18	11.11	29.17	110	178	A	H
	*	5580	115.46	-	-	99.89	33.16	11.55	29.14	110	178	A	H
		5739.8	58.4	-9.8	68.2	42.1	33.75	11.72	29.17	110	178	P	H
		5430.4	59.65	-14.35	74	44.23	33.13	11.43	29.14	295	179	P	V
		5459.92	57.5	-16.5	74	42.04	33.14	11.45	29.13	295	179	P	V
		5428.72	50.08	-3.92	54	34.67	33.13	11.42	29.14	295	179	A	V
	*	5580	124.31	-	-	108.67	33.23	11.55	29.14	295	179	P	V
		5122	53.64	-0.36	54	38.46	33.25	11.1	29.17	295	179	A	V
	*	5580	117.41	-	-	101.77	33.23	11.55	29.14	295	179	A	V
		5732.555	60.73	-7.47	68.2	44.42	33.76	11.71	29.16	295	179	P	V



802.11a CH 140 5700MHz	*	5700	124.18	-	-	108.1	33.56	11.67	29.15	288	182	P	H
	*	5700	117.54	-	-	101.46	33.56	11.67	29.15	288	182	A	H
		5728.145	65.64	-2.56	68.2	49.4	33.7	11.7	29.16	288	182	P	H
													H
													H
													H
	*	5700	125.3	-	-	109.18	33.6	11.67	29.15	290	178	P	V
		5392	53.59	-0.41	54	38.23	33.12	11.39	29.15	290	178	A	V
	*	5700	118.36	-	-	102.24	33.6	11.67	29.15	290	178	A	V
		5725	65.88	-2.32	68.2	49.62	33.72	11.7	29.16	290	178	P	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. 1+2+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		11000	47.14	-26.86	74	59.56	39.08	16.72	68.22	-	-	P	H
		16500	48.95	-19.25	68.2	58.97	37.69	20.73	68.44	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	47.43	-26.57	74	59.85	39.08	16.72	68.22	-	-	P	V
		16500	48.83	-19.37	68.2	58.76	37.78	20.73	68.44	-	-	P	V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 1+2+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 116 5580MHz		11160	47.93	-26.07	74	60.09	39.11	16.83	68.1	-	-	P	H
		16740	48.17	-20.03	68.2	58.69	37.37	20.89	68.78	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11160	48.76	-25.24	74	60.89	39.14	16.83	68.1	-	-	P	V
		16740	47.89	-20.31	68.2	58.33	37.45	20.89	68.78	-	-	P	V
													V
													V
													V
													V
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													V
													V
													V
													V

[illegible]



Band 3 - 5470~5725MHz

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

WIFI Ant. 1+2+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 100 5500MHz		5448.56	55.87	-18.13	74	40.5	33.06	11.44	29.13	320	181	P	H
		5464.88	55.12	-13.08	68.2	39.72	33.07	11.46	29.13	320	181	P	H
		5452.88	45.74	-8.26	54	30.37	33.06	11.44	29.13	320	181	A	H
	*	5500	110.71	-	-	95.29	33.08	11.48	29.14	320	181	P	H
	*	5500	103.21	-	-	87.79	33.08	11.48	29.14	320	181	A	H
													H
		5458.16	56.04	-17.96	74	40.59	33.13	11.45	29.13	215	182	P	V
		5460.08	55.19	-13.01	68.2	39.73	33.14	11.45	29.13	215	182	P	V
		5452.72	46.15	-7.85	54	30.71	33.13	11.44	29.13	215	182	A	V
	*	5500	112	-	-	96.5	33.16	11.48	29.14	215	182	P	V
	*	5500	103.94	-	-	88.44	33.16	11.48	29.14	215	182	A	V
													V
802.11be EHT20 Full CH 116 5580MHz		5362.96	54.64	-19.36	74	39.33	33.09	11.36	29.14	290	183	P	H
		5463.28	53.44	-14.76	68.2	38.05	33.07	11.45	29.13	290	183	P	H
		5452.96	45.36	-8.64	54	29.98	33.06	11.45	29.13	290	183	A	H
	*	5580	112.33	-	-	96.76	33.16	11.55	29.14	290	183	P	H
	*	5580	104.79	-	-	89.22	33.16	11.55	29.14	290	183	A	H
		5762.48	57.39	-10.81	68.2	40.96	33.86	11.74	29.17	290	183	P	H
		5405.68	55.33	-18.67	74	39.96	33.12	11.4	29.15	330	177	P	V
		5459.92	54.29	-19.71	74	38.83	33.14	11.45	29.13	330	177	P	V
		5434.72	45.64	-8.36	54	30.22	33.13	11.43	29.14	330	177	A	V
	*	5580	112.55	-	-	96.91	33.23	11.55	29.14	330	177	P	V
	*	5580	104.92	-	-	89.28	33.23	11.55	29.14	330	177	A	V
		5743.58	57.21	-10.99	68.2	40.85	33.81	11.72	29.17	330	177	P	V



802.11be EHT20 Full CH 140 5700MHz	*	5700	111.86	-	-	95.78	33.56	11.67	29.15	278	182	P	H
	*	5700	104	-	-	87.92	33.56	11.67	29.15	278	182	A	H
		5758.44	57.3	-10.9	68.2	40.89	33.84	11.74	29.17	278	182	P	H
													H
													H
													H
	*	5700	112.17	-	-	96.05	33.6	11.67	29.15	280	181	P	V
	*	5700	104.48	-	-	88.36	33.6	11.67	29.15	280	181	A	V
		5752.44	56.98	-11.22	68.2	40.57	33.85	11.73	29.17	280	181	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 (Harmonic @ 3m)

[illegible]



Report No. : FR240524001B

[illegible]

[illegible]



Band 3 5470~5725MHz

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

WIFI Ant. 1+2+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 102 5510MHz		5381.92	56.28	-17.72	74	40.96	33.08	11.38	29.14	302	181	P	H
		5467.36	55.09	-13.11	68.2	39.69	33.07	11.46	29.13	302	181	P	H
		5452.72	46.27	-7.73	54	30.9	33.06	11.44	29.13	302	181	A	H
	*	5510	112.27	-	-	96.84	33.08	11.49	29.14	302	181	P	H
	*	5510	103.12	-	-	87.69	33.08	11.49	29.14	302	181	A	H
		5739.8	58.9	-9.3	68.2	42.6	33.75	11.72	29.17	302	181	P	H
		5459.44	56.66	-17.34	74	41.2	33.14	11.45	29.13	205	181	P	V
		5469.52	56.02	-12.18	68.2	40.55	33.14	11.46	29.13	205	181	P	V
		5459.68	46.96	-7.04	54	31.5	33.14	11.45	29.13	205	181	A	V
	*	5510	113.87	-	-	98.36	33.16	11.49	29.14	205	181	P	V
	*	5510	104.29	-	-	88.78	33.16	11.49	29.14	205	181	A	V
		5755.865	57.15	-11.05	68.2	40.72	33.87	11.73	29.17	205	181	P	V
802.11be EHT40 Full CH 110 5550MHz		5383.12	56.45	-17.55	74	41.13	33.08	11.38	29.14	300	180	P	H
		5467.36	56.3	-11.9	68.2	40.9	33.07	11.46	29.13	300	180	P	H
		5452.96	46.08	-7.92	54	30.7	33.06	11.45	29.13	300	180	A	H
	*	5550	111.64	-	-	96.15	33.1	11.53	29.14	300	180	P	H
	*	5550	103.44	-	-	87.95	33.1	11.53	29.14	300	180	A	H
		5763.425	57.68	-10.52	68.2	41.26	33.86	11.74	29.18	300	180	P	H
		5430.4	56.42	-17.58	74	41	33.13	11.43	29.14	180	183	P	V
		5460.88	54.64	-13.56	68.2	39.18	33.14	11.45	29.13	180	183	P	V
		5452.72	46.29	-7.71	54	30.85	33.13	11.44	29.13	180	183	A	V
	*	5550	111.22	-	-	95.65	33.18	11.53	29.14	180	183	P	V
	*	5550	103.26	-	-	87.69	33.18	11.53	29.14	180	183	A	V
		5758.7	57.32	-10.88	68.2	40.87	33.88	11.74	29.17	180	183	P	V



802.11be EHT40 Full CH 134 5670MHz		5381.5	56.2	-17.8	74	40.88	33.08	11.38	29.14	300	184	P	H
		5470	56.03	-12.17	68.2	40.63	33.07	11.46	29.13	300	184	P	H
		5375.9	46.37	-7.63	54	31.06	33.08	11.37	29.14	300	184	A	H
	*	5670	113.24	-	-	97.32	33.44	11.64	29.16	300	184	P	H
	*	5670	104.78	-	-	88.86	33.44	11.64	29.16	300	184	A	H
		5751.175	57.79	-10.41	68.2	41.42	33.81	11.73	29.17	300	184	P	H
		5352.45	58.61	-15.39	74	43.26	33.14	11.34	29.13	302	182	P	V
		5466.9	55.93	-12.27	68.2	40.46	33.14	11.46	29.13	302	182	P	V
		5354.9	46.66	-7.34	54	31.3	33.14	11.35	29.13	302	182	A	V
	*	5670	113.68	-	-	97.71	33.49	11.64	29.16	302	182	P	V
	*	5670	105.04	-	-	89.07	33.49	11.64	29.16	302	182	A	V
		5762.725	56.78	-11.42	68.2	40.32	33.9	11.74	29.18	302	182	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)

[illegible]

[illegible]



WIFI Ant. 1+2+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 134 5670MHz		11340	48.08	-25.92	74	59.88	39.31	16.97	68.08	-	-	P	H
		17010	48.04	-20.16	68.2	58.3	37.4	21.08	68.74	-	-	P	H
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802.11be EHT40 Full CH 134 5670MHz		11340	47.26	-26.74	74	59.07	39.3	16.97	68.08	-	-	P	V
		17010	47.68	-20.52	68.2	57.88	37.46	21.08	68.74	-	-	P	V
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Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
Remark	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. 1+2+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 106 5530MHz		5459.92	56.68	-17.32	74	41.3	33.06	11.45	29.13	320	183	P	H
		5468.8	56.72	-11.48	68.2	41.32	33.07	11.46	29.13	320	183	P	H
		5452.96	47.37	-6.63	54	31.99	33.06	11.45	29.13	320	183	A	H
	*	5530	109.06	-	-	93.6	33.09	11.51	29.14	320	183	P	H
	*	5530	101.13	-	-	85.67	33.09	11.51	29.14	320	183	A	H
		5758.07	56.61	-11.59	68.2	40.2	33.84	11.74	29.17	320	183	P	H
		5458	58.31	-15.69	74	42.86	33.13	11.45	29.13	198	178	P	V
		5467.84	59.09	-9.11	68.2	43.62	33.14	11.46	29.13	198	178	P	V
		5459.92	48.95	-5.05	54	33.49	33.14	11.45	29.13	198	178	A	V
	*	5530	110.14	-	-	94.6	33.17	11.51	29.14	198	178	P	V
	*	5530	101.64	-	-	86.1	33.17	11.51	29.14	198	178	A	V
		5735.705	57.52	-10.68	68.2	41.2	33.77	11.71	29.16	198	178	P	V
802.11be EHT80 Full CH 122 5610MHz		5411.5	56.08	-17.92	74	40.75	33.07	11.41	29.15	298	182	P	H
		5466.7	55.35	-12.85	68.2	39.95	33.07	11.46	29.13	298	182	P	H
		5452.9	46.31	-7.69	54	30.94	33.06	11.44	29.13	298	182	A	H
	*	5610	110.11	-	-	94.45	33.23	11.58	29.15	298	182	P	H
	*	5610	102.04	-	-	86.38	33.23	11.58	29.15	298	182	A	H
		5754.55	57.23	-10.97	68.2	40.85	33.82	11.73	29.17	298	182	P	H
		5421.7	56.26	-17.74	74	40.86	33.12	11.42	29.14	300	178	P	V
		5462.2	55.46	-12.74	68.2	40	33.14	11.45	29.13	300	178	P	V
		5452.9	46.61	-7.39	54	31.17	33.13	11.44	29.13	300	178	A	V
	*	5610	110.03	-	-	94.3	33.3	11.58	29.15	300	178	P	V
	*	5610	102.24	-	-	86.51	33.3	11.58	29.15	300	178	A	V
		5762.8	59.35	-8.85	68.2	42.89	33.9	11.74	29.18	300	178	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)

[illegible]

[illegible]



Band 3 5470~5725MHz

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

WIFI Ant. 1+2+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		5374	58.07	-15.93	74	42.75	33.09	11.37	29.14	295	181	P	H
		5462.8	58.52	-9.68	68.2	43.13	33.07	11.45	29.13	295	181	P	H
		5430.1	48.28	-5.72	54	32.93	33.06	11.43	29.14	295	181	A	H
	*	5570	106.68	-	-	91.14	33.14	11.54	29.14	295	181	P	H
	*	5570	98.63	-	-	83.09	33.14	11.54	29.14	295	181	A	H
		5741.625	60.78	-7.42	68.2	44.47	33.76	11.72	29.17	295	181	P	H
		5443.6	60.35	-13.65	74	44.91	33.13	11.44	29.13	290	180	P	V
		5460.7	58.13	-10.07	68.2	42.67	33.14	11.45	29.13	290	180	P	V
		5452.6	49.7	-4.3	54	34.26	33.13	11.44	29.13	290	180	A	V
	*	5570	106.85	-	-	91.23	33.22	11.54	29.14	290	180	P	V
	*	5570	98.7	-	-	83.08	33.22	11.54	29.14	290	180	A	V
		5727.875	62.17	-6.03	68.2	45.9	33.73	11.7	29.16	290	180	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. 1+2+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		11140	47.32	-26.68	74	59.48	39.1	16.82	68.08	-	-	P	H
		16710	46.95	-21.25	68.2	57.51	37.41	20.88	68.85	-	-	P	H
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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.	
1+2+3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5451.79	53.55	-20.45	74	38.18	33.06	11.44	29.13	109	180	P	H
		5459.98	52.4	-21.6	74	37.02	33.06	11.45	29.13	109	180	P	H
		5417.08	44.8	-9.2	54	29.46	33.07	11.41	29.14	109	180	A	H
	*	5720	113.54	-	-	97.34	33.66	11.7	29.16	109	180	P	H
	*	5720	106.58	-	-	90.38	33.66	11.7	29.16	109	180	A	H
		5866.02	57.06	-11.14	68.2	40.25	34.2	11.84	29.23	109	180	P	H
		5429.56	54.55	-19.45	74	39.13	33.13	11.43	29.14	275	181	P	V
		5463.88	54.31	-13.89	68.2	38.85	33.14	11.45	29.13	275	181	P	V
		5412.01	45.81	-8.19	54	30.43	33.12	11.41	29.15	275	181	A	V
	*	5720	113.88	-	-	97.64	33.7	11.7	29.16	275	181	P	V
	*	5720	107.2	-	-	90.96	33.7	11.7	29.16	275	181	A	V
		5870.18	57.53	-10.67	68.2	40.66	34.25	11.85	29.23	275	181	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. 1+2+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	47.39	-26.61	74	58.85	39.23	17.04	67.73	-	-	P	H
		17160	47.98	-20.22	68.2	58	37.73	21.18	68.93	-	-	P	H
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		11440	47.95	-26.05	74	59.43	39.21	17.04	67.73	-	-	P	V
		17160	48.12	-20.08	68.2	58.01	37.86	21.18	68.93	-	-	P	V
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Band 3 - Straddle Channel
WIFI 802.11be EHT20 Full (Band Edge @ 3m)

WIFI Ant. 1+2+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		5449.45	54.72	-19.28	74	39.35	33.06	11.44	29.13	295	180	P	H
		5462.32	53.86	-14.34	68.2	38.48	33.06	11.45	29.13	295	180	P	H
		5452.96	45.46	-8.54	54	30.08	33.06	11.45	29.13	295	180	A	H
	*	5720	110.59	-	-	94.39	33.66	11.7	29.16	295	180	P	H
	*	5720	103.69	-	-	87.49	33.66	11.7	29.16	295	180	A	H
		5850.16	56.75	-11.45	68.2	39.98	34.17	11.83	29.23	295	180	P	H
		5355.07	55.02	-18.98	74	39.66	33.14	11.35	29.13	285	180	P	V
		5470	53.95	-14.25	68.2	38.48	33.14	11.46	29.13	285	180	P	V
		5408.89	45.41	-8.59	54	30.03	33.12	11.41	29.15	285	180	A	V
	*	5720	112.88	-	-	96.64	33.7	11.7	29.16	285	180	P	V
	*	5720	104.14	-	-	87.9	33.7	11.7	29.16	285	180	A	V
		5907.62	57.29	-10.91	68.2	40.34	34.3	11.88	29.23	285	180	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI 802.11be EHT20 Full (Harmonic @ 3m)

[illegible]



Band 3 - Straddle Channel

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

WIFI Ant. 1+2+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		5435.8	55.65	-18.35	74	40.3	33.06	11.43	29.14	282	182	P	H
		5463.88	53.74	-14.46	68.2	38.35	33.07	11.45	29.13	282	182	P	H
		5452.96	46.11	-7.89	54	30.73	33.06	11.45	29.13	282	182	A	H
	*	5710	112.72	-	-	96.57	33.61	11.69	29.15	282	182	P	H
	*	5710	104.96	-	-	88.81	33.61	11.69	29.15	282	182	A	H
		5859.78	58.72	-9.48	68.2	41.92	34.19	11.84	29.23	282	182	P	H
		5424.1	55.63	-18.37	74	40.23	33.12	11.42	29.14	290	179	P	V
		5460.37	55.42	-12.78	68.2	39.96	33.14	11.45	29.13	290	179	P	V
		5452.57	46.59	-7.41	54	31.15	33.13	11.44	29.13	290	179	A	V
	*	5710	113.86	-	-	97.67	33.65	11.69	29.15	290	179	P	V
	*	5710	104.72	-	-	88.53	33.65	11.69	29.15	290	179	A	V
		5874.08	57.72	-10.48	68.2	40.85	34.25	11.85	29.23	290	179	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. 1+2+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		11420	48.51	-25.49	74	59.99	39.26	17.02	67.76	-	-	P	H
		17130	47.29	-20.91	68.2	57.38	37.67	21.16	68.92	-	-	P	H
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		11420	48.14	-25.86	74	59.63	39.25	17.02	67.76	-	-	P	V
		17130	48.36	-19.84	68.2	58.34	37.78	21.16	68.92	-	-	P	V
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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. 1+2+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		5363.26	55.4	-18.6	74	40.09	33.09	11.36	29.14	270	180	P	H
		5463.1	54.63	-13.57	68.2	39.24	33.07	11.45	29.13	270	180	P	H
		5354.29	46.37	-7.63	54	31.05	33.1	11.35	29.13	270	180	A	H
	*	5690	109.74	-	-	93.71	33.52	11.66	29.15	270	180	P	H
	*	5690	101.79	-	-	85.76	33.52	11.66	29.15	270	180	A	H
		5851.72	56.72	-11.48	68.2	39.95	34.17	11.83	29.23	270	180	P	H
		5414.35	56.97	-17.03	74	41.58	33.12	11.41	29.14	292	182	P	V
		5461.15	55.31	-12.89	68.2	39.85	33.14	11.45	29.13	292	182	P	V
		5361.7	46.9	-7.1	54	31.54	33.14	11.35	29.13	292	182	A	V
	*	5690	110.23	-	-	94.16	33.56	11.66	29.15	292	182	P	V
	*	5690	101.95	-	-	85.88	33.56	11.66	29.15	292	182	A	V
		5853.02	58.1	-10.1	68.2	41.28	34.22	11.83	29.23	292	182	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. 1+2+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		11380	48.94	-25.06	74	60.53	39.3	17	67.89	-	-	P	H
		17070	47.23	-20.97	68.2	57.45	37.52	21.12	68.86	-	-	P	H
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		11380	47.54	-26.46	74	59.14	39.29	17	67.89	-	-	P	V
		17070	47.57	-20.63	68.2	57.7	37.61	21.12	68.86	-	-	P	V
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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 18GHz

WIFI 802.11be EHT40 Full (SHF @ 1m)

[illegible]

Emission below 1GHz

WIFI 802.11be EHT40 Full (LF @ 3m)

[illegible]



Note symbol

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

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2+3+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 36		5150	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
5180MHz													

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

For Peak Limit @ 5150MHz:

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

For Average Limit @ 5150MHz:

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

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



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Kevin Hsu and Leo Liu	Temperature :	16.3~24.2°C
		Relative Humidity :	33.6~52.1%

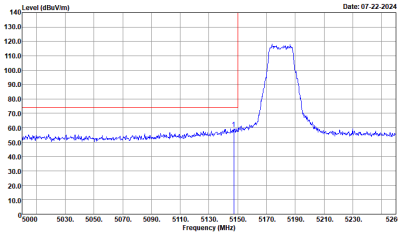
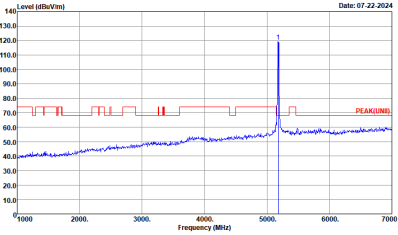
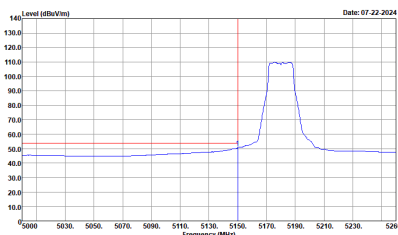
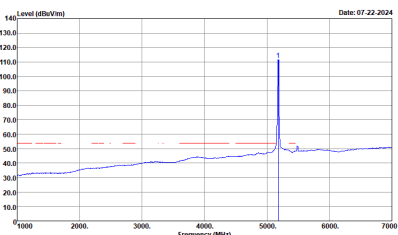
Note symbol

-L	Low channel location
-R	High channel location



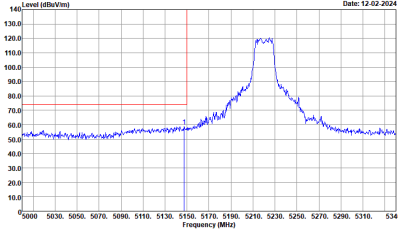
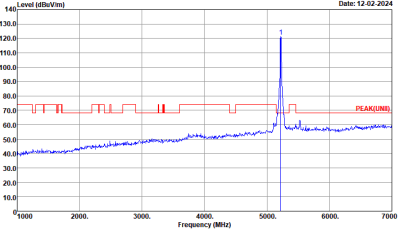
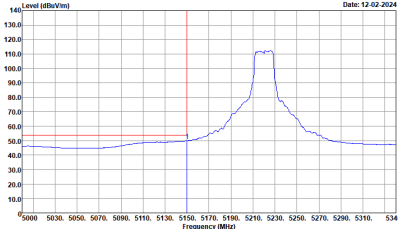
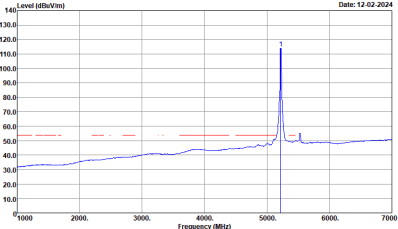
<2x2 Mode>

Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE_74 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(FREQ) 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg.	 Site : 03CH01-CA Condition : AVG_BE_54 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+3	Vertical	Fundamental
Peak	Site : 03CH01-CA Condition : PEAK_BE_74 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Site : 03CH01-CA Condition : PEAK(FUN1) 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
	Site : 03CH01-CA Condition : AVG_BE_54 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto	Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE_74 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(UNII) 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
	 Site : 03CH01-CA Condition : AVG_BE_54 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto
Avg.		