



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. 30, 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
FR240524001C	01	Initial issue of report	Mar. 21, 2025
FR240524001C	02	Revise Summary of Test Result This report is an updated version, replacing the report issued on Mar. 21, 2025.	Mar. 25, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	6dB & 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/manufacture 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)			
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Horizontal	<Ant. HDBS>: 8.60
		Vertical	<Ant. VDBS>: 9.41
	Peak Gain (dBi)	Vertical	<Ant. V6S>: 8.50
		Horizontal	<Ant. H6S>: 9.53

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 Gain

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F2)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)	(dBi)	(dBi)	(dB)	(dB)
Band IV	9.41	8.60	9.41	9.41	3.41	3.41

Calculation example:

If a device has two cross-polarized antenna, $G_{ANT1} = 9.41\text{dBi}$; $G_{ANT3} = 8.50\text{dBi}$

Directional gain of power measurement = $\max(9.41, 8.60) = 9.41 \text{ dBi}$

Directional gain of PSD measurement = $\max(9.41, 8.60) = 9.41 \text{ dBi}$

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 $N_{ANT} = 4$. 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	DG	Power	PSD
	Ant 1	Ant 3	Ant 2	Ant 4	for	for	Limit	Limit
	(dBi)	(dBi)	(dBi)	(dBi)	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	9.41	8.60	8.50	9.53	9.53	12.09	3.53	6.09

Calculation example:

If a device has four cross-polarized antenna,

$G_{ANT1} = 9.41\text{dBi}$; $G_{ANT3} = 8.60\text{dBi}$; $G_{ANT2} = 8.50\text{dBi}$; $G_{ANT4} = 9.53\text{dBi}$,

Directional gain of power measurement = $\max(9.41, 8.60, 8.50, 9.53) = 9.53 \text{ dBi}$

Directional gain of PSD measurement = $\max(\text{Vertical DG}(9.41, 8.50), \text{Horizontal DG}(8.60, 9.53))$
 $= 12.09 \text{ dBi}$

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

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40, 802.11ac VHT40 and 802.11ax HE40 and 802.11be EHT40.
2. The above Frequency and Channel with "[#]" are 802.11ac VHT80, 802.11ax HE80 and 802.11be EHT80.

2.2 Test 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
802.11ax HE20 (Covered by EHT20)	MCS0
802.11ax HE40 (Covered by EHT40)	MCS0
802.11ax HE80 (Covered by EHT80)	MCS0
802.11be EHT20	MCS0
802.11be EHT40	MCS0
802.11be EHT80	MCS0

Remark:

- 1 Based on the manufacturer's declaration, 802.11be covers the 802.11n, 11ac and 11ax due to the same modulation family scheme. For 802.11be, only full resource unit assignment mode is tested since the EUT does not support partial resource unit assignment mode.
- 2 Based on the manufacturer's declaration, RF power on each chain in MIMO mode is parameterized to be greater than the power in SISO mode, giving the condition that the SISO Mode is covered by MIMO Mode which is deemed the worst case selected for testing.
- 3 The EUT information mentioned or listed above is declared by the manufacturer.

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + LAN port 1 + LAN port 2 + PoE

<2x2 Mode>

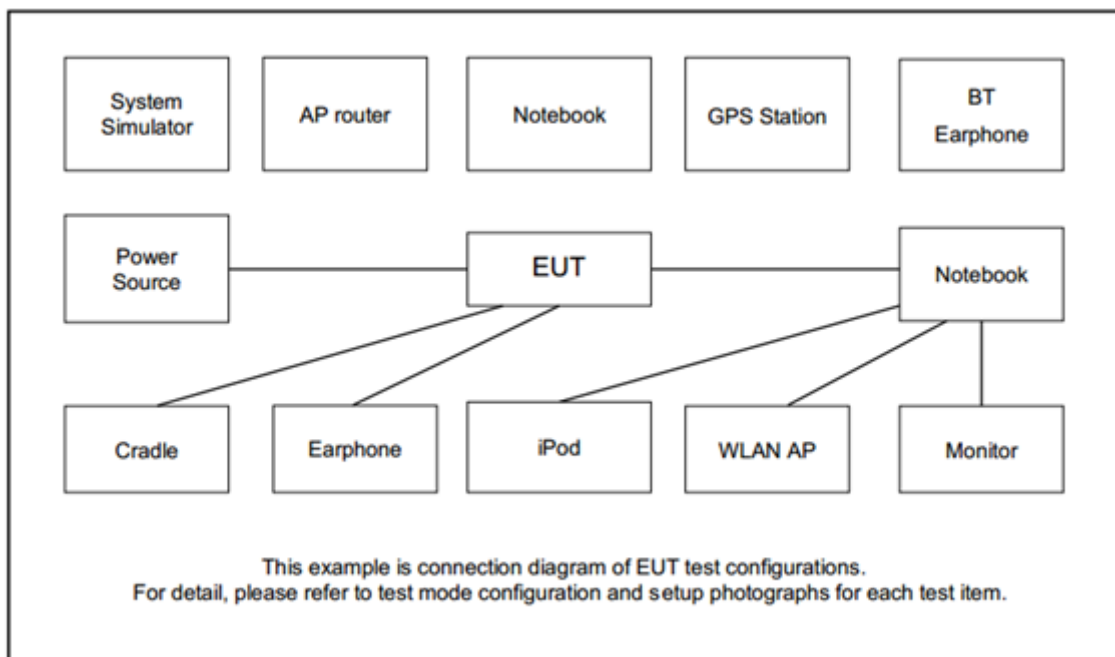
Ch. #		Band IV : 5725-5850 MHz			
		802.11a	802.11be EHT20	802.11be EHT40	802.11be EHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

<4x4 Mode>

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

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

2.3 Connection Diagram of Test System



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	Latitue 5410	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Notebook	DELL	Latitue 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”, “Tera Term Version 4.106”, “QSPR Version 6.00.00143.1” and “QSPR Version 6.00.00134.4” were 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 6dB and 26dB and 99% Occupied Bandwidth Measurement

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

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

26dB and 99% Occupied bandwidth are reporting only.

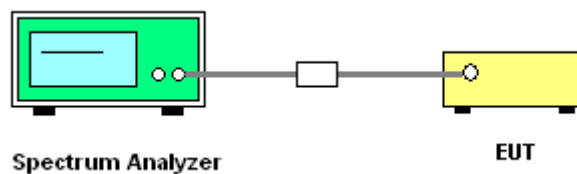
3.1.2 Measuring Instruments

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 for the band 5.725-5.85 GHz
2. Set RBW = 100 kHz.
3. Set the VBW $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

3.1.4 Test Setup



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

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

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

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

3.2.2 Measuring Instruments

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

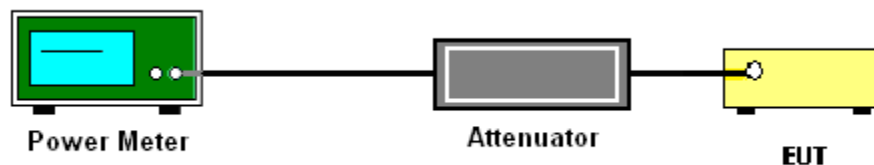
3.2.3 Test Procedures

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

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

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section F) Maximum power spectral density.

Method SA-1

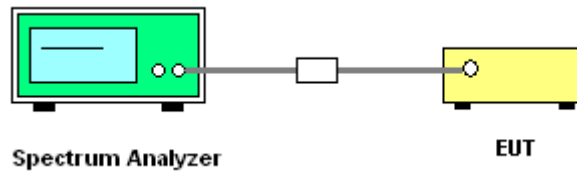
(trace averaging with the EUT transmitting at full power throughout each sweep).

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 300kHz.
 - Set VBW $\geq$ 1 MHz.
 - Add $10 \log(500 \text{ kHz/RBW})$ to the measured result, whereas RBW ($<500 \text{ kHz}$) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
 - Number of points in sweep $\geq 2 \text{ Span} / \text{RBW}$.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
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 PSD and record it.
 3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5.725-5.85 GHz band:

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

- (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.

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

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

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

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

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

3.4.2 Measuring Instruments

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

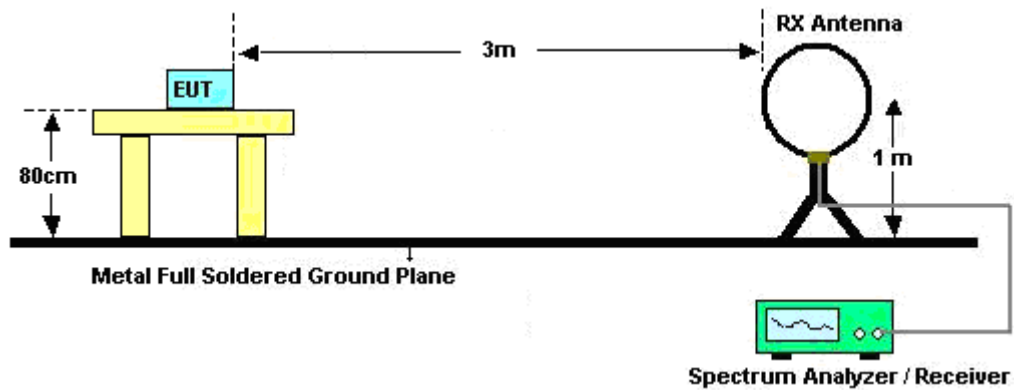
3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 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.

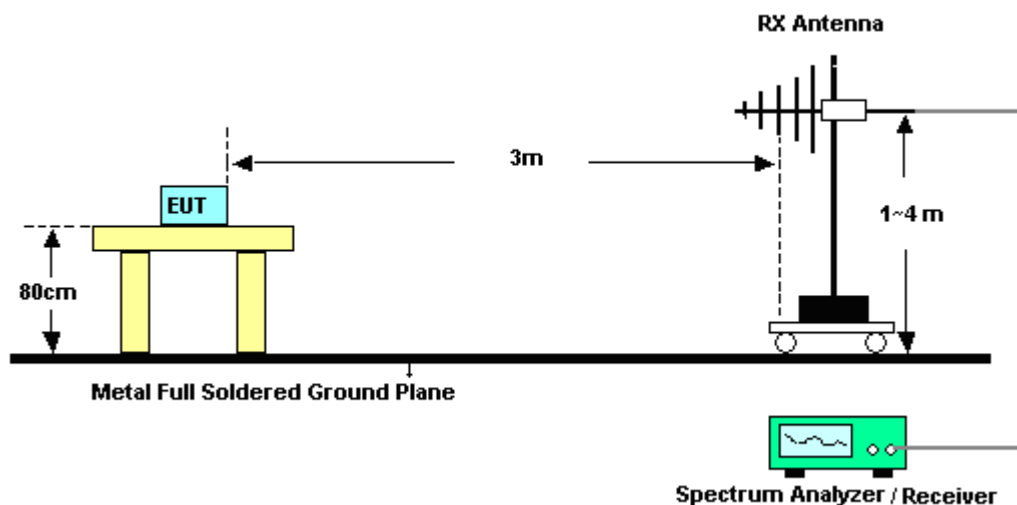
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit 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

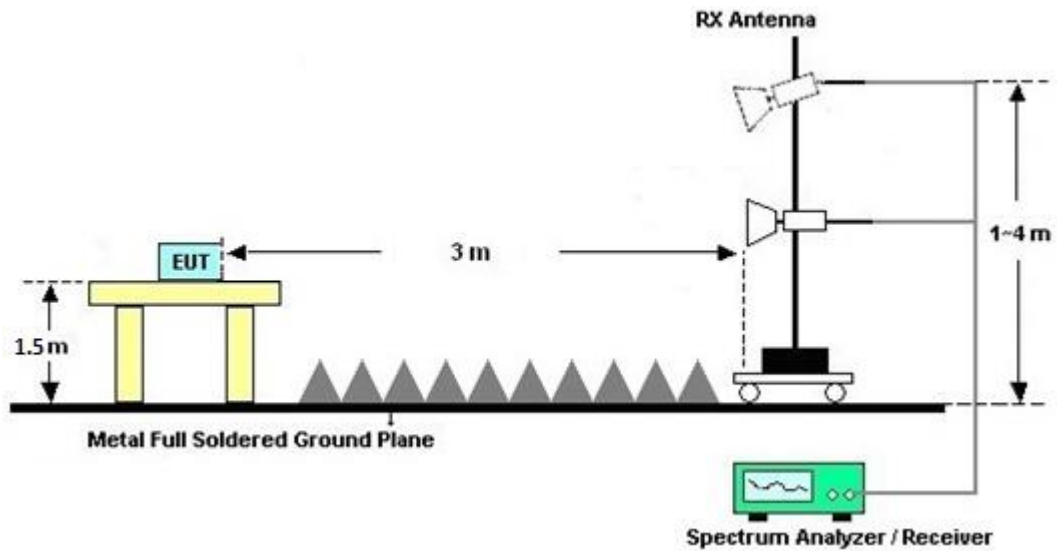
For radiated emissions below 30MHz



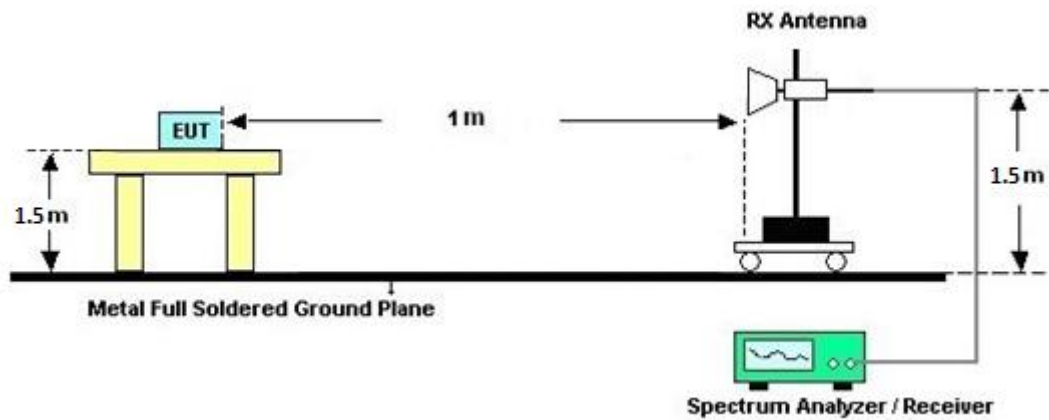
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



**3.4.5 Test Results of Radiated 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 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 Unwanted Radiated Emission (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.

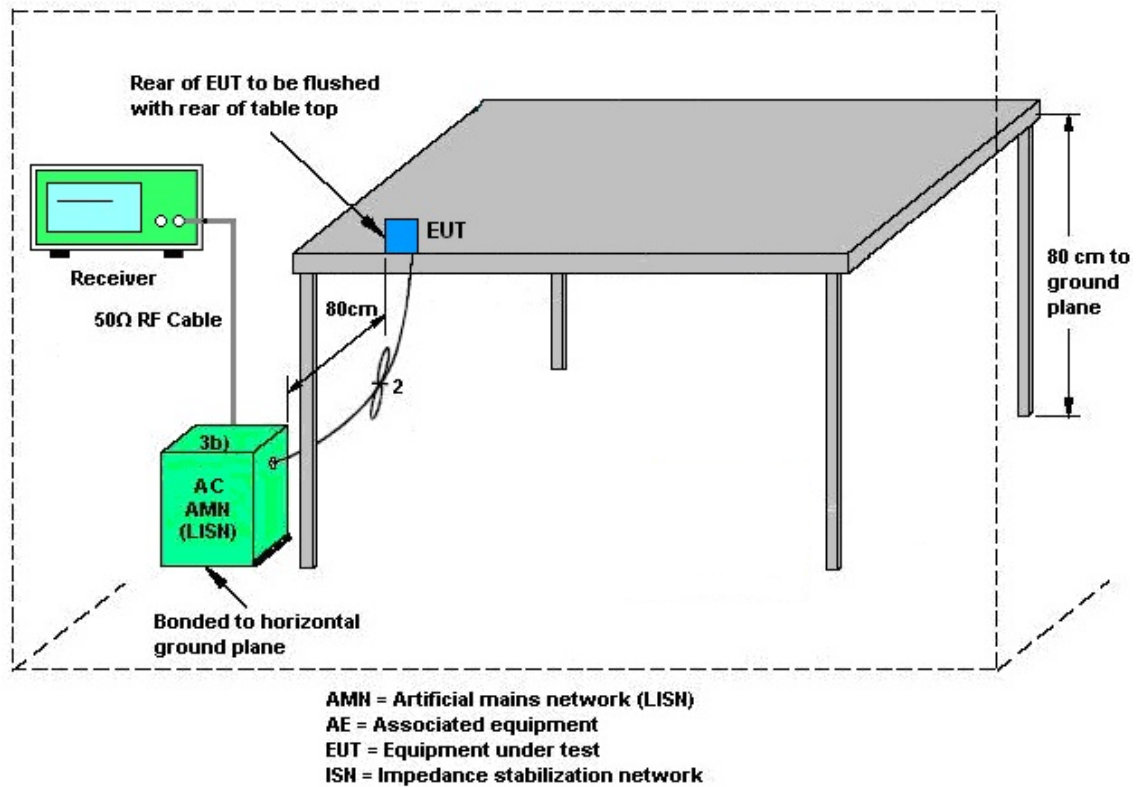
3.5.2 Measuring Instruments

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
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. 30, 2024~Dec. 23, 2024	May 01, 2025	Radiation (03CH01-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	02113	1GHz~18GHz	Apr. 26, 2024	Jul. 30, 2024~Dec. 23, 2024	Apr. 25, 2025	Radiation (03CH01-CA)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00841	18GHz~40GHz	Aug. 07, 2024	Nov. 28, 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-18 G-56-01-A70	EC1900252	1GHz~18GHz	Apr. 25, 2024	Jul. 30, 2024~Dec. 23, 2024	Apr. 24, 2025	Radiation (03CH01-CA)
Preamplifier	Keysight	83017A	MY53270321	1GHz~26.5GHz	Apr. 25, 2024	Jul. 30, 2024~Dec. 23, 2024	Apr. 24, 2025	Radiation (03CH01-CA)
Preamplifier	EMEC	EMC18G40G	060726	18G-40G	Apr. 04, 2024	Nov. 28, 2024~Dec. 23, 2024	Apr. 03, 2025	Radiation (03CH01-CA)
Filter	Wainwright	WLK12-1200-1 272-11000-40 SS	SN1	1.2GHz Low Pass Filter	Jun. 04, 2024	Jul. 30, 2024~Dec. 23, 2024	Jun. 03, 2025	Radiation (03CH01-CA)
Filter	Wainwright	WHKX8-5872. 5-6750-18000-40ST	SN8	6.75GHz High Pass Filter	Jun. 04, 2024	Jul. 30, 2024~Dec. 23, 2024	Jun. 03, 2025	Radiation (03CH01-CA)
Spectrum Analyzer	Keysight	N9010B	MY63440343	MY63440343	Jan. 16, 2024	Jul. 30, 2024~Dec. 23, 2024	Jan. 15, 2025	Radiation (03CH01-CA)
RF Cable	HUBER+SUHNER	SUCOFLEX 102	8015932/2,80 15762/2, 804938/2	NA	Mar. 05, 2024	Jul. 30, 2024~Dec. 23, 2024	Mar. 04, 2025	Radiation (03CH01-CA)
Hygrometer	TESTO	608-H1	45142559	NA	Aug. 30, 2023	Jul. 30, 2024~Aug. 13, 2024	Aug. 29, 2024	Radiation (03CH01-CA)
Hygrometer	TESTO	608-H1	45142559	NA	Aug. 14, 2024	Aug. 14, 2024~Dec. 23, 2024	Aug. 13, 2025	Radiation (03CH01-CA)
Controller	Chaintek	EM-1000	060881	Control Turn Table & Antenna Mast	N/A	Jul. 30, 2024~Dec. 23, 2024	N/A	Radiation (03CH01-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 30, 2024~Dec. 23, 2024	N/A	Radiation (03CH01-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 30, 2024~Dec. 23, 2024	N/A	Radiation (03CH01-CA)
Test Software	Audix E3	E6.2009-8-24d	PK-002093	N/A	N/A	Jul. 30, 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)
Hygrometer	Testo	608-H1	45142559	N/A	Aug. 14, 2024	Aug. 29, 2024~Dec. 04, 2024	Aug. 13, 2025	Conducted (TH01-CA)
Hygrometer	Testo	608-H1	45142559	N/A	Aug. 30, 2023	Aug. 09, 2024~Aug. 28, 2024	Aug. 29, 2024	Conducted (TH01-CA)
Hygrometer	Testo	608-H1	45141354	N/A	Aug. 14, 2024	Aug. 28, 2024~Aug. 29, 2024	Aug. 13, 2025	Conducted (TH01-CA)
Power Sensor	DARE!!	RPR3006W	RPR8W-2301002	10MHz-8GHz	Apr. 25, 2024	Aug. 09, 2024~Dec. 04, 2024	Apr. 24, 2025	Conducted (TH01-CA)
Power Sensor	Raditeq	RPR8003W	RPR8W-2301002	10MHz-8GHz	Feb. 22, 2024	Aug. 28, 2024~Aug. 29, 2024	Feb. 21, 2025	Conducted (TH01-CA)
Switch Box	EM Electronics	EMSW18	SW1070901	N/A	Apr. 25, 2024	Aug. 09, 2024~Dec. 04, 2024	Apr. 24, 2025	Conducted (TH01-CA)
Switch Box	EM Electronics	EMSW26	1070902	N/A	Oct. 09, 2023	Aug. 28, 2024~Aug. 29, 2024	Oct. 08, 2024	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101545	10Hz-40GHz	Apr. 25, 2024	Aug. 09, 2024~Dec. 04, 2024	Apr. 24, 2025	Conducted (TH01-CA)
Spectrum Analyzer	R&S	FSV40	101089	10Hz~40GHz	Apr. 24, 2024	Aug. 28, 2024~Aug. 29, 2024	Apr. 23, 2025	Conducted (TH01-CA)

5 Measurement Uncertainty

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

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

Test Engineer:	Sharon Chen, Ju Chang and Venkata Kondepudi	Temperature:	19.9~25.2	°C
Test Date:	2024/08/09~2024/12/04	Relative Humidity:	29~57.7	%

<2x2 Mode>

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

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3		
11a	6Mbps	2	149	5745	17.04	17.03	22.50	22.52	16.37	16.35	0.5	Pass
11a	6Mbps	2	157	5785	17.05	16.99	22.61	22.54	16.37	16.36	0.5	Pass
11a	6Mbps	2	165	5825	17.33	17.84	23.97	35.85	16.35	16.35	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3	
11a	6Mbps	2	149	5745	22.76	22.88	25.83	26.59		9.41		Pass
11a	6Mbps	2	157	5785	23.20	23.53	26.38	26.59		9.41		Pass
11a	6Mbps	2	165	5825	23.19	23.47	26.34	26.59		9.41		Pass
HT20	MCS0	2	149	5745	22.69	22.79	25.75	26.59		9.41		Pass
HT20	MCS0	2	157	5785	23.20	23.43	26.33	26.59		9.41		Pass
HT20	MCS0	2	165	5825	22.63	23.14	25.90	26.59		9.41		Pass
HT40	MCS0	2	151	5755	22.09	22.43	25.27	26.59		9.41		Pass
HT40	MCS0	2	159	5795	22.34	22.79	25.58	26.59		9.41		Pass
VHT20	MCS0	2	149	5745	22.66	22.88	25.78	26.59		9.41		Pass
VHT20	MCS0	2	157	5785	23.22	23.51	26.38	26.59		9.41		Pass
VHT20	MCS0	2	165	5825	23.21	23.47	26.35	26.59		9.41		Pass
VHT40	MCS0	2	151	5755	22.07	22.49	25.30	26.59		9.41		Pass
VHT40	MCS0	2	159	5795	22.43	22.79	25.62	26.59		9.41		Pass
VHT80	MCS0	2	155	5775	21.10	21.52	24.33	26.59		9.41		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3	
11a	6Mbps	2	149	5745	7.30	7.39	10.40	26.59		9.41		Pass
11a	6Mbps	2	157	5785	7.93	8.16	11.17	26.59		9.41		Pass
11a	6Mbps	2	165	5825	8.05	8.12	11.13	26.59		9.41		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 3) + 10 log (n)

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3	
HE20	MCS0	2	149	5745	Full	22.65	22.90	25.79	26.59		9.41		Pass
HE20	MCS0	2	157	5785	Full	23.16	23.60	26.40	26.59		9.41		Pass
HE20	MCS0	2	165	5825	Full	23.17	23.53	26.36	26.59		9.41		Pass
HE40	MCS0	2	151	5755	Full	22.11	23.06	25.62	26.59		9.41		Pass
HE40	MCS0	2	159	5795	Full	22.42	22.84	25.65	26.59		9.41		Pass
HE80	MCS0	2	155	5775	Full	21.10	21.49	24.31	26.59		9.41		Pass

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

U-NII-3 MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3		
EHT20	MCS0	2	149	5745	Full	19.18	19.16	23.18	23.57	19.03	19.09	0.5	Pass
EHT20	MCS0	2	157	5785	Full	19.17	19.19	23.45	24.63	19.04	19.05	0.5	Pass
EHT20	MCS0	2	165	5825	Full	19.18	19.20	23.58	24.63	19.02	19.06	0.5	Pass
EHT40	MCS0	2	151	5755	Full	38.49	38.51	45.86	45.58	38.28	38.10	0.5	Pass
EHT40	MCS0	2	159	5795	Full	38.54	38.63	46.66	45.23	38.13	38.22	0.5	Pass
EHT80	MCS0	2	155	5775	Full	77.86	77.92	89.92	89.50	78.24	78.24	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3	
EHT20	MCS0	2	149	5745	Full	22.83	23.04	25.95	26.59		9.41		Pass
EHT20	MCS0	2	157	5785	Full	23.23	23.67	26.47	26.59		9.41		Pass
EHT20	MCS0	2	165	5825	Full	23.19	23.58	26.40	26.59		9.41		Pass
EHT40	MCS0	2	151	5755	Full	22.65	23.05	25.86	26.59		9.41		Pass
EHT40	MCS0	2	159	5795	Full	22.95	23.32	26.15	26.59		9.41		Pass
EHT80	MCS0	2	155	5775	Full	21.16	21.64	24.42	26.59		9.41		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3	
EHT20	MCS0	2	149	5745	Full	6.82	6.91	9.92	26.59		9.41		Pass
EHT20	MCS0	2	157	5785	Full	7.48	7.57	10.58	26.59		9.41		Pass
EHT20	MCS0	2	165	5825	Full	7.52	7.52	10.53	26.59		9.41		Pass
EHT40	MCS0	2	151	5755	Full	3.84	4.21	7.22	26.59		9.41		Pass
EHT40	MCS0	2	159	5795	Full	4.14	4.62	7.63	26.59		9.41		Pass
EHT80	MCS0	2	155	5775	Full	-0.45	-0.03	2.98	26.59		9.41		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 3) + 10 log (n)

<4x4 Mode>

TEST RESULTS DATA
6dB and 99% OBW

Band IV MIMO 4Tx Mode																		
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	26dB Bandwidth (MHz)				6 dB Bandwidth (MHz)				99% Bandwidth (MHz)				6 dB Min. Limit (MHz)	Pass /Fail
					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	149	5745	22.55	22.24	22.90	22.58	16.36	16.36	16.36	16.37	17.04	17.00	17.00	17.01	0.5	Pass
11a	6Mbps	4	157	5785	22.59	22.51	22.86	22.50	16.35	16.35	16.36	16.36	17.06	17.02	17.01	17.03	0.5	Pass
11a	6Mbps	4	165	5825	22.55	22.464	22.752	22.66	16.355	16.35	16.36	16.39	17.04	17.03	17.02	17.01	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV 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			
11a	6Mbps	4	149	5745	20.01	19.91	20.41	20.18	26.15	26.47	9.53	Pass
11a	6Mbps	4	157	5785	19.97	19.83	20.37	20.44	26.18	26.47	9.53	Pass
11a	6Mbps	4	165	5825	19.92	20.00	20.63	20.89	26.40	26.47	9.53	Pass
HT20	MCS0	4	149	5745	20.02	19.87	20.31	20.21	26.13	26.47	9.53	Pass
HT20	MCS0	4	157	5785	19.92	19.71	20.42	20.47	26.16	26.47	9.53	Pass
HT20	MCS0	4	165	5825	19.39	19.59	20.1	20.40	25.91	26.47	9.53	Pass
HT40	MCS0	4	151	5755	19.80	19.47	19.91	19.83	25.78	26.47	9.53	Pass
HT40	MCS0	4	159	5795	19.61	19.29	19.97	19.95	25.73	26.47	9.53	Pass
VHT20	MCS0	4	149	5745	19.97	19.85	20.28	20.18	26.09	26.47	9.53	Pass
VHT20	MCS0	4	157	5785	19.89	19.80	20.38	20.42	26.15	26.47	9.53	Pass
VHT20	MCS0	4	165	5825	19.53	19.55	20.15	20.44	25.96	26.47	9.53	Pass
VHT40	MCS0	4	151	5755	19.63	19.32	20.03	19.81	25.73	26.47	9.53	Pass
VHT40	MCS0	4	159	5795	19.60	19.29	19.99	19.97	25.74	26.47	9.53	Pass
VHT80	MCS0	4	155	5775	19.87	19.58	20.21	20.12	25.97	26.47	9.53	Pass

Note: The device has 4 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO 4Tx Mode												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density with Duty Factor (dBm/500kHz)					Average PSD Limit (dBm/500kHz)	DG (dBi)	Pass /Fail
					Ant 1	Ant 3	Ant 2	Ant 4	SUM			
11a	6Mbps	4	149	5745	5.11	4.82	5.31	5.31	11.33	23.91	12.09	Pass
11a	6Mbps	4	157	5785	4.71	4.74	5.17	5.34	11.36	23.91	12.09	Pass
11a	6Mbps	4	165	5825	4.87	5.05	5.56	6.02	12.04	23.91	12.09	Pass

Note 1: PSD Sum = Max PSD(Ant. 1, Ant. 3, Ant. 2, Ant. 4) + 10 log (4)

Note 2: The device has 4 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
Average Power Table

Band IV MIMO 4Tx Mode													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	Pass/Fail
						Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1 + 3 + 2 + 4	Ant 1 + 3 + 2 + 4	
HE20	MCS0	4	149	5745	Full	19.99	19.90	20.45	20.36	26.20	26.47	9.53	Pass
HE20	MCS0	4	157	5785	Full	19.89	19.84	20.43	20.52	26.20	26.47	9.53	Pass
HE20	MCS0	4	165	5825	Full	19.47	19.72	20.23	20.54	26.03	26.47	9.53	Pass
HE40	MCS0	4	151	5755	Full	19.71	19.47	19.93	19.77	25.74	26.47	9.53	Pass
HE40	MCS0	4	159	5795	Full	19.59	19.27	19.97	19.94	25.72	26.47	9.53	Pass
HE80	MCS0	4	155	5775	Full	19.77	19.57	20.29	20.21	25.99	26.47	9.53	Pass

Note: The device has 4 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
6dB and 99% OBW

Band IV MIMO 4Tx Mode																			
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	26dB Bandwidth (MHz)				6 dB Bandwidth (MHz)				99% Bandwidth (MHz)				6 dB Min. Limit (MHz)	Pass /Fail
						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	149	5745	Full	23.46	23.17	23.60	23.69	19.03	19.05	19.02	19.09	19.17	19.16	19.14	19.15	0.5	Pass
EHT20	MCS0	4	157	5785	Full	23.06	23.24	23.79	23.60	19.03	19.04	19.06	19.07	19.16	19.17	19.14	19.16	0.5	Pass
EHT20	MCS0	4	165	5825	Full	23.03	23.05	23.05	23.46	19.07	19.04	19.05	19.12	19.15	19.17	19.14	19.16	0.5	Pass
EHT40	MCS0	4	151	5755	Full	45.14	45.60	45.12	45.18	38.12	38.23	38.21	38.15	38.52	38.54	38.56	38.55	0.5	Pass
EHT40	MCS0	4	159	5795	Full	45.54	45.62	46.14	45.86	38.22	38.23	38.17	38.20	38.56	38.61	38.59	38.58	0.5	Pass
EHT80	MCS0	4	155	5775	Full	90.21	89.60	89.89	88.80	78.13	78.14	78.18	78.14	77.84	77.87	77.90	77.88	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO 4Tx Mode													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	Pass/Fail
						Ant 1	Ant 3	Ant 2	Ant 4	SUM	Ant 1 + 3 + 2 + 4	Ant 1 + 3 + 2 + 4	
EHT20	MCS0	4	149	5745	Full	20.12	20.00	20.42	20.32	26.24	26.47	9.53	Pass
EHT20	MCS0	4	157	5785	Full	19.94	19.92	20.54	20.47	26.25	26.47	9.53	Pass
EHT20	MCS0	4	165	5825	Full	19.70	19.80	20.22	20.54	26.10	26.47	9.53	Pass
EHT40	MCS0	4	151	5755	Full	19.81	19.65	20.21	19.95	25.93	26.47	9.53	Pass
EHT40	MCS0	4	159	5795	Full	19.77	19.57	20.27	20.12	25.96	26.47	9.53	Pass
EHT80	MCS0	4	155	5775	Full	19.83	19.67	20.31	20.17	26.02	26.47	9.53	Pass

Note: The device has 4 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO 4Tx Mode													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/500kHz)					Average PSD Limit (dBm/500kHz)	DG (dBi)	Pass /Fail
						Ant 1	Ant 3	Ant 2	Ant 4	SUM			
EHT20	MCS0	4	149	5745	Full	4.55	4.40	4.68	4.78	10.80	23.91	12.09	Pass
EHT20	MCS0	4	157	5785	Full	4.13	4.29	4.70	5.01	11.03	23.91	12.09	Pass
EHT20	MCS0	4	165	5825	Full	3.97	4.12	4.59	5.13	11.15	23.91	12.09	Pass
EHT40	MCS0	4	151	5755	Full	1.44	1.17	1.70	1.75	7.77	23.91	12.09	Pass
EHT40	MCS0	4	159	5795	Full	1.29	1.26	1.87	1.96	7.98	23.91	12.09	Pass
EHT80	MCS0	4	155	5775	Full	-1.58	-1.62	-1.06	-0.96	5.06	23.91	12.09	Pass

Note 1: PSD Sum = Max PSD(Ant. 1, Ant. 3, Ant. 2, Ant. 4) + 10 log (4)

Note 2: The device has 4 antennas, each one has polarization which is orthogonal to the other.

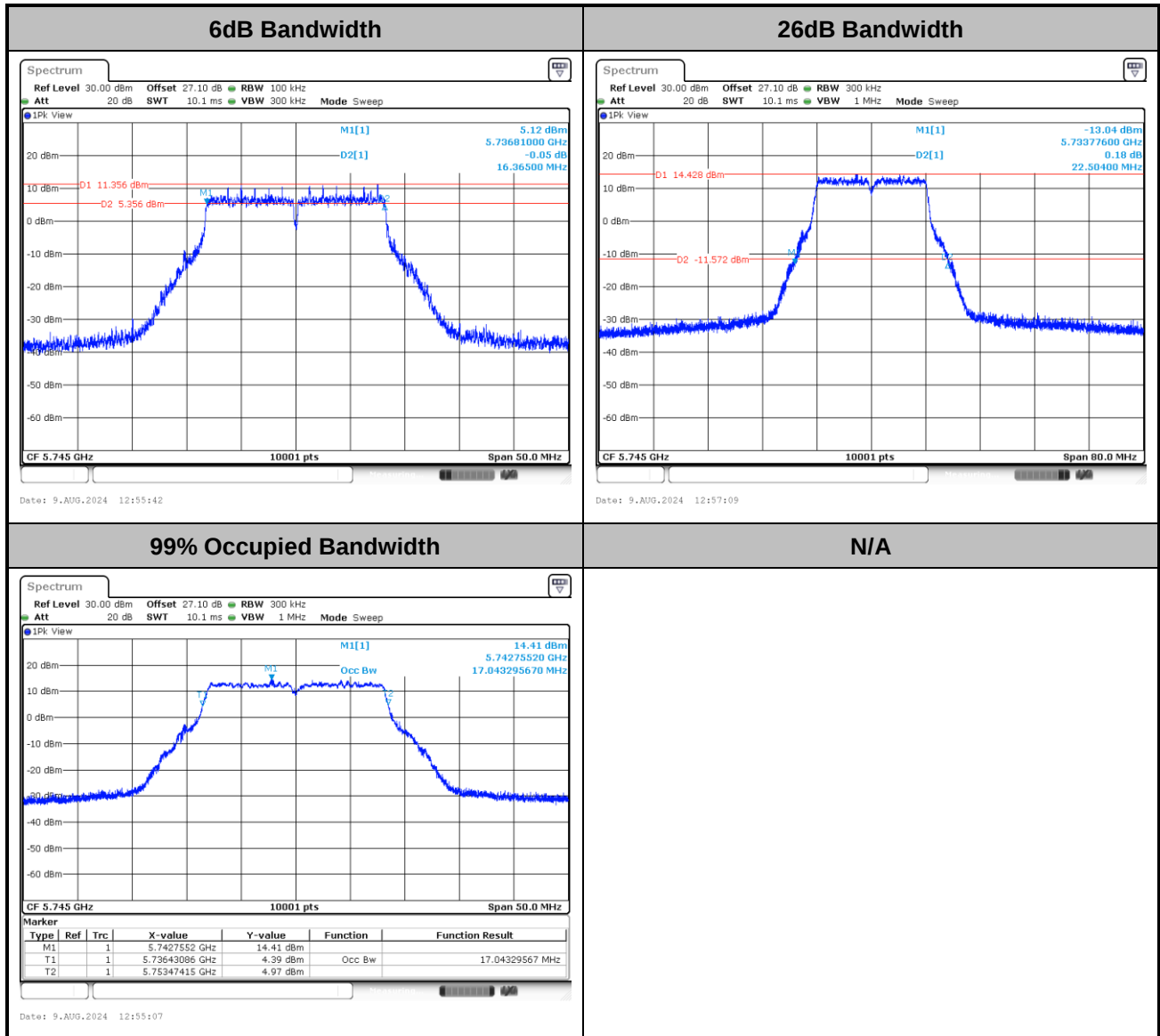


<2x2 Mode>

Test Result of 6dB and 26dB and 99% Occupied Bandwidth

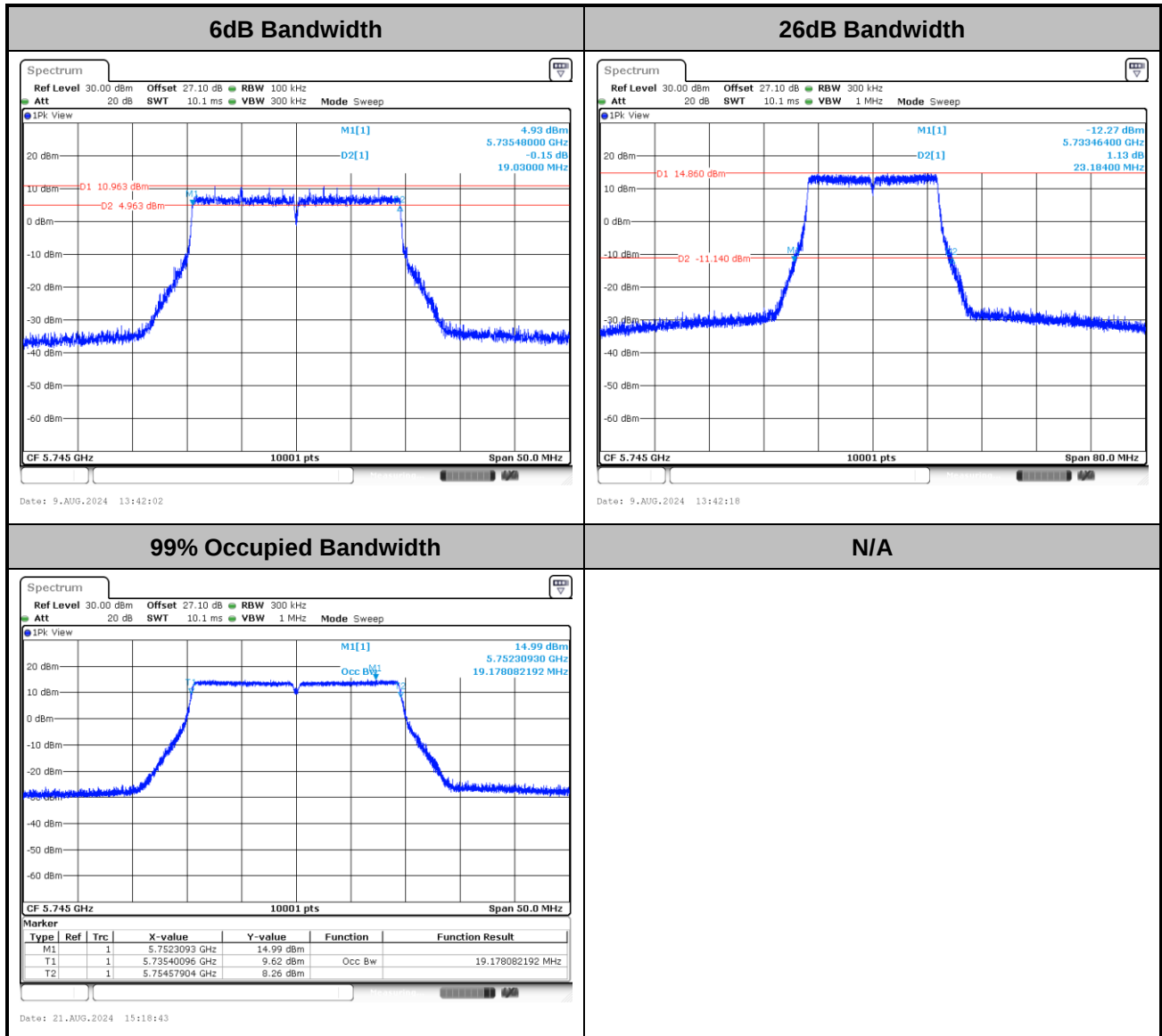
MIMO <Ant. 1+3>

<802.11a>



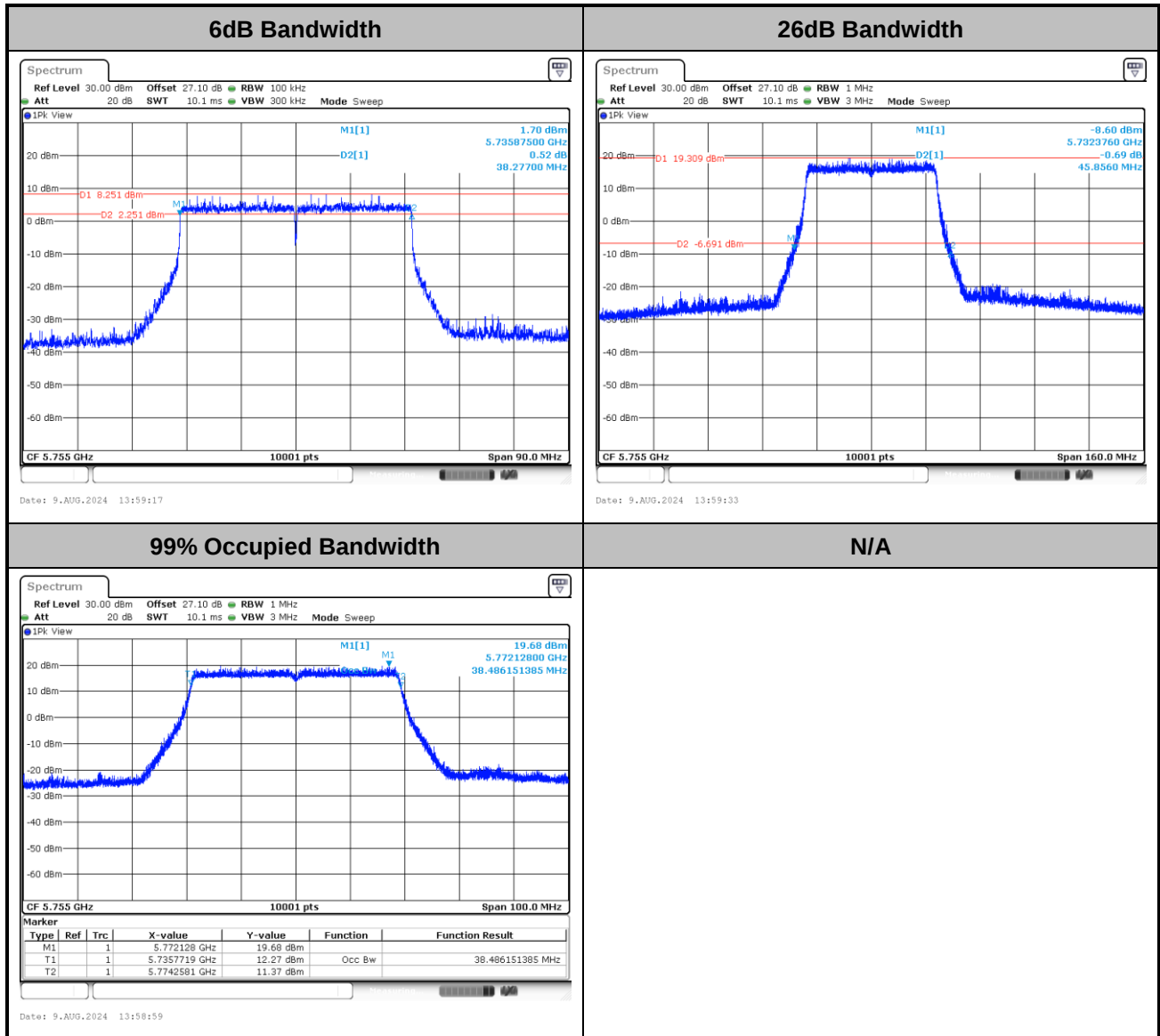


<802.11be EHT20>



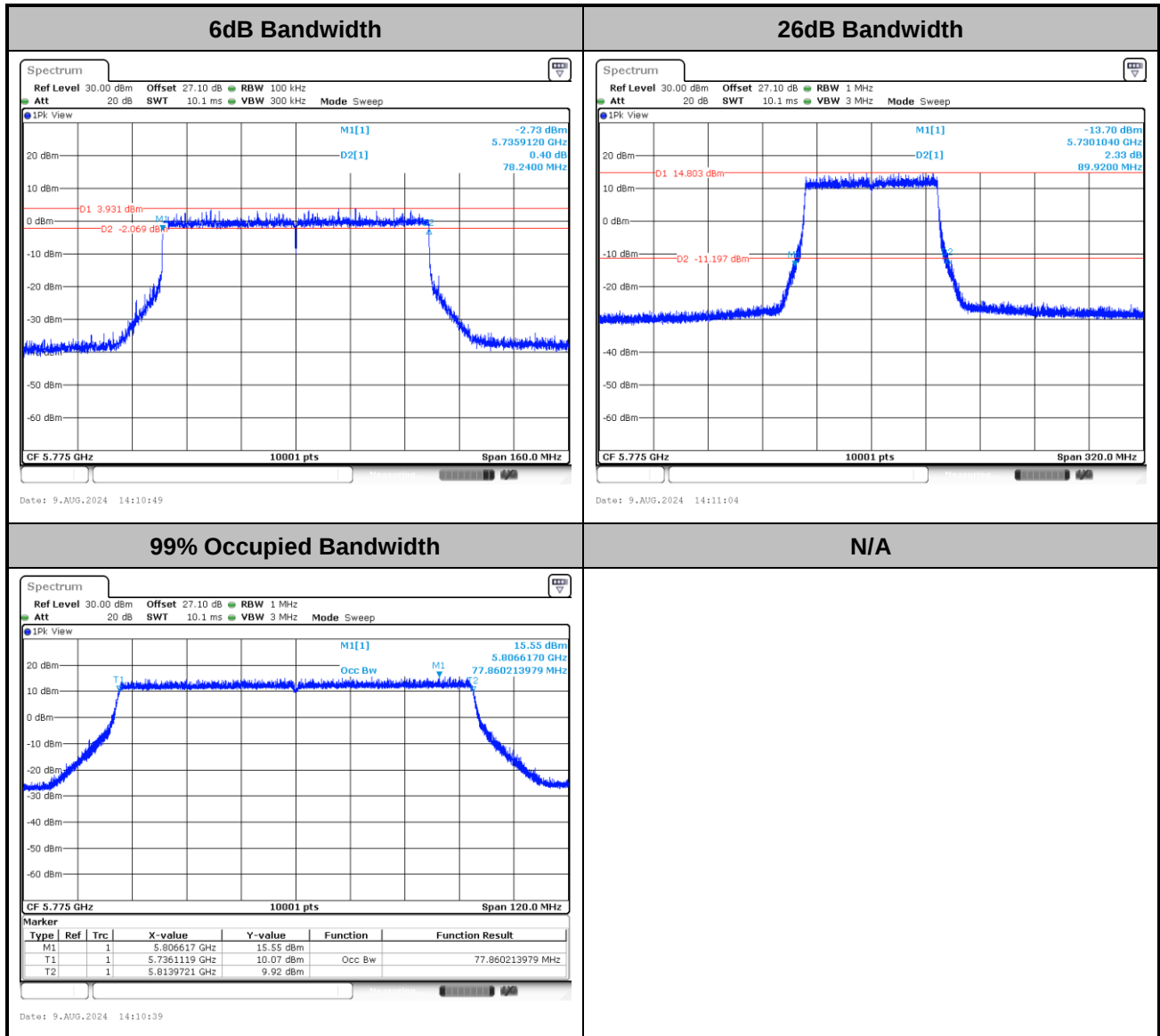


<802.11be EHT40>





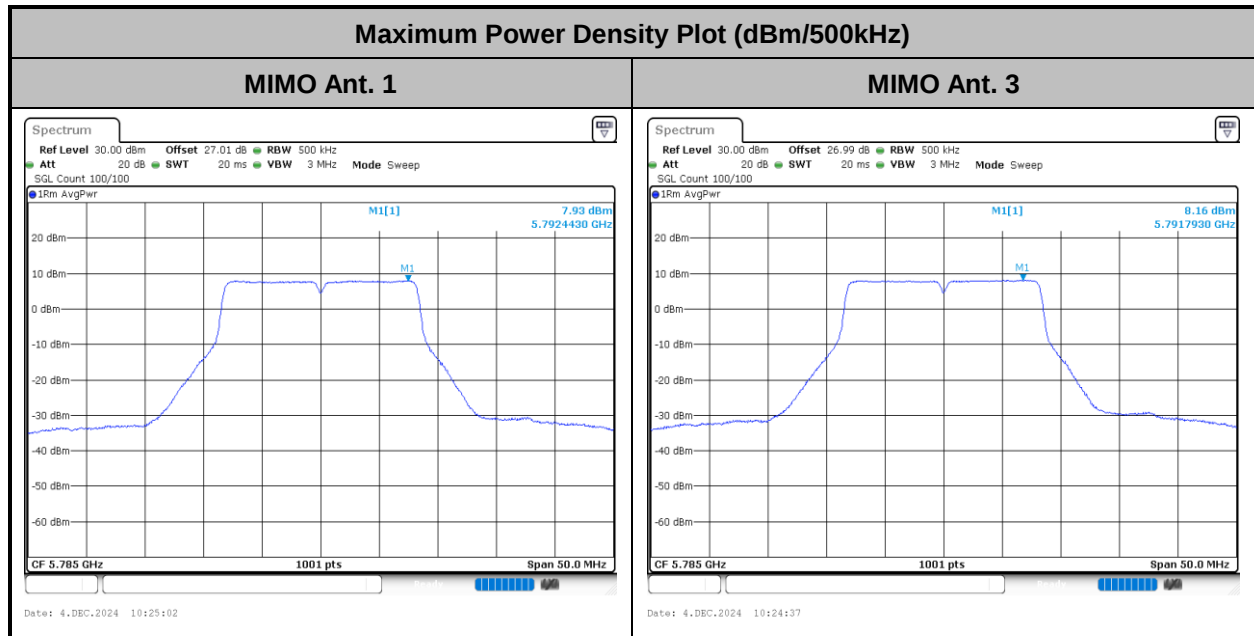
<802.11be EHT80>



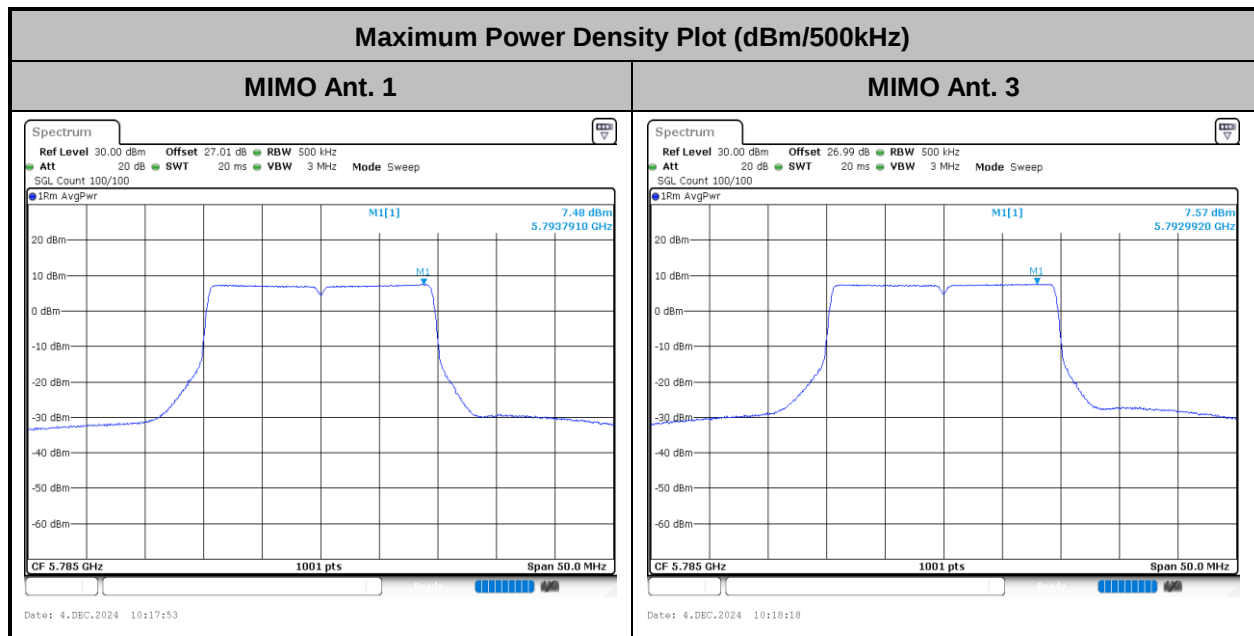


Test Result of Power Spectral Density

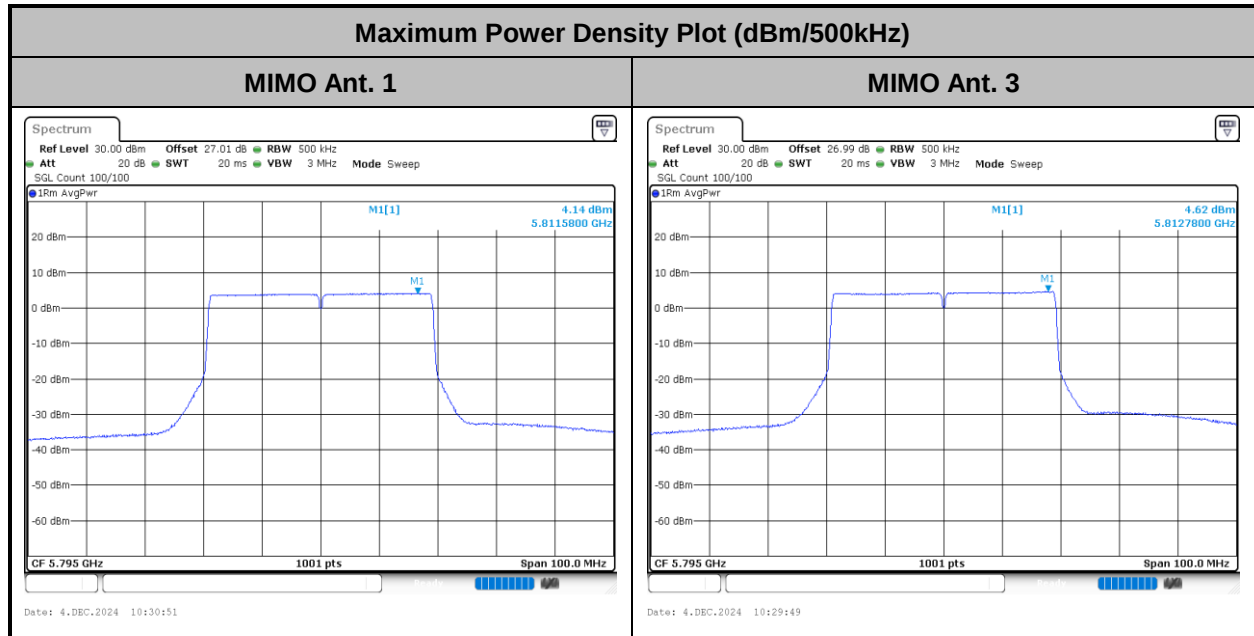
<802.11a>



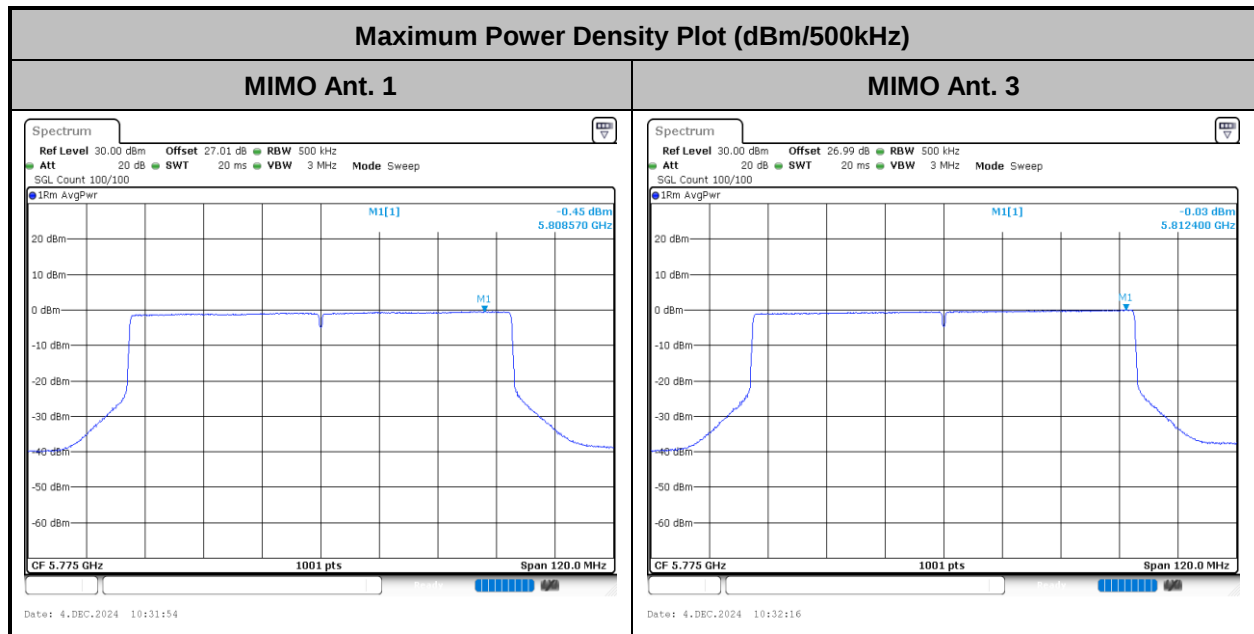
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<802.11be EHT40>



<802.11be EHT80>



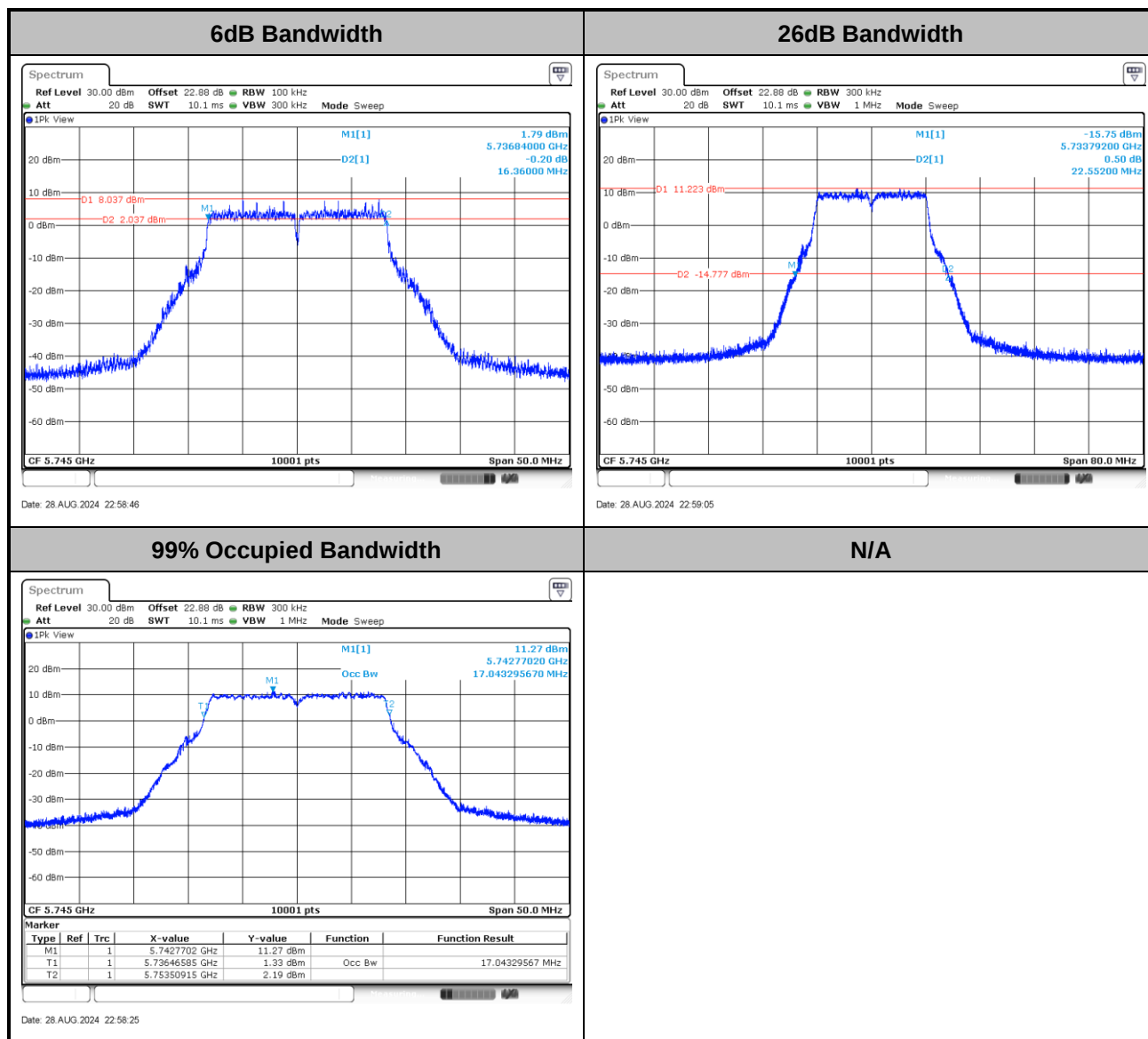


<4x4 Mode>

Test Result of 6dB and 26dB and 99% Occupied Bandwidth

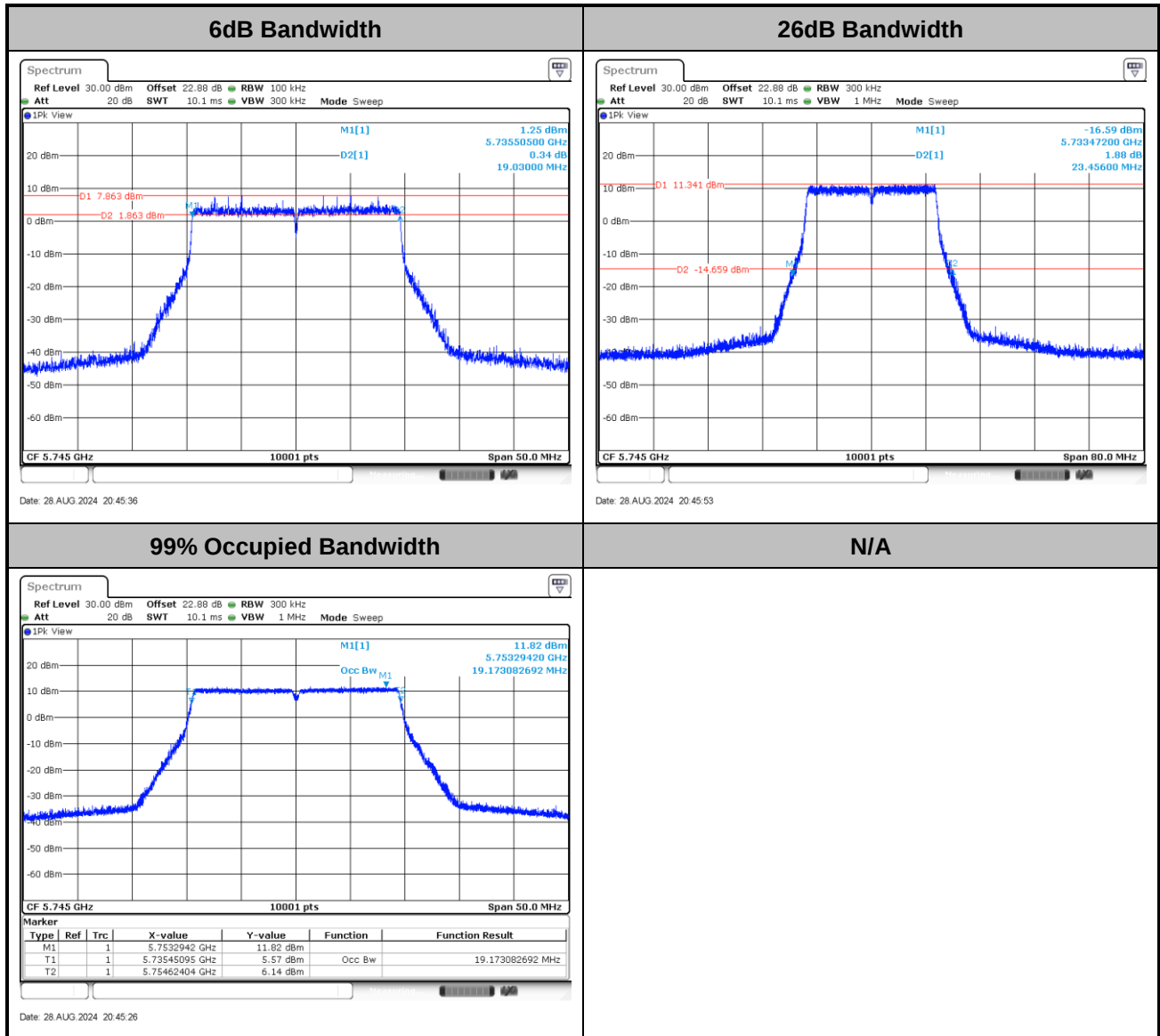
MIMO <Ant. 1+3+2+4>

<802.11a>



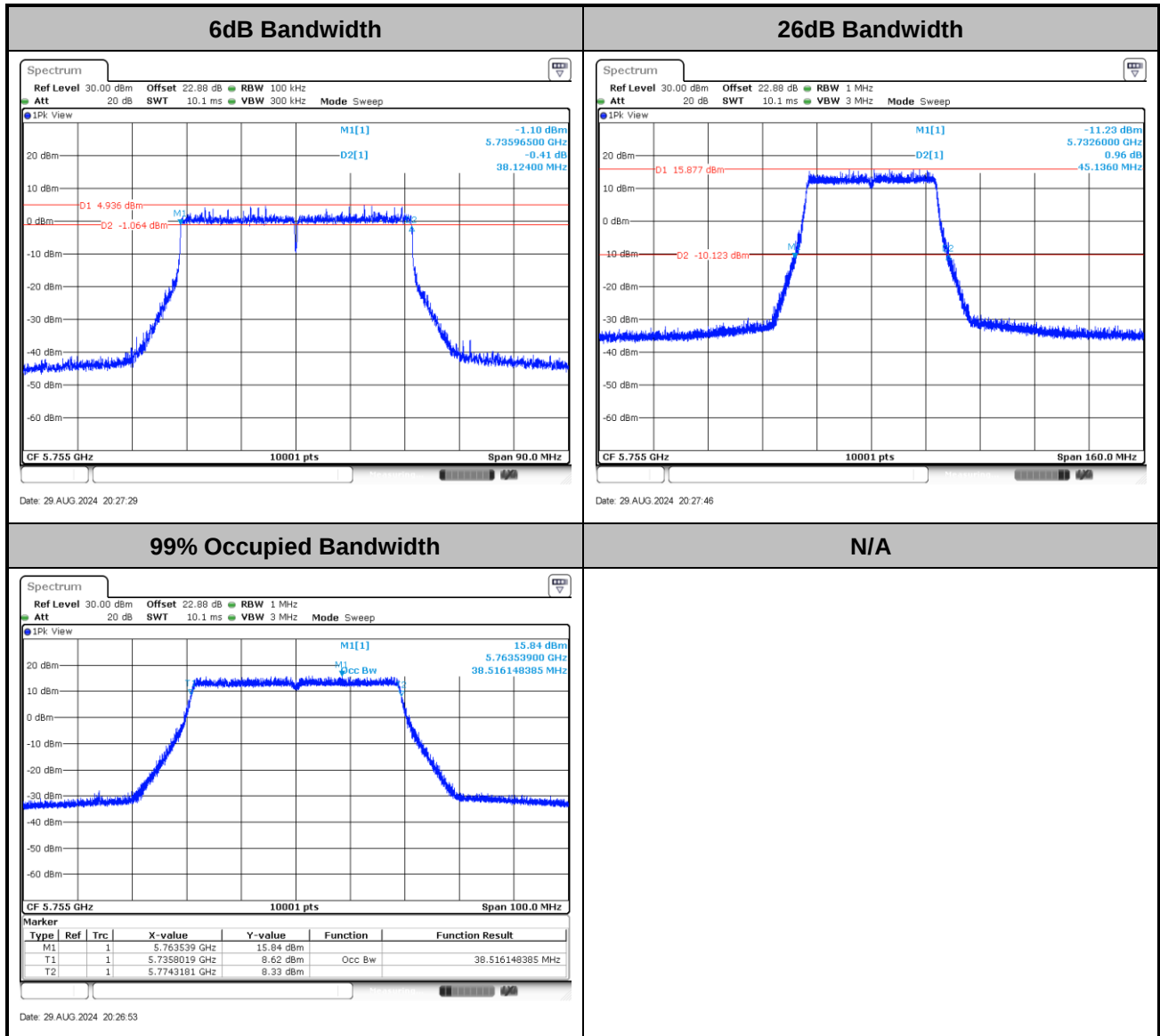


<802.11be EHT20>



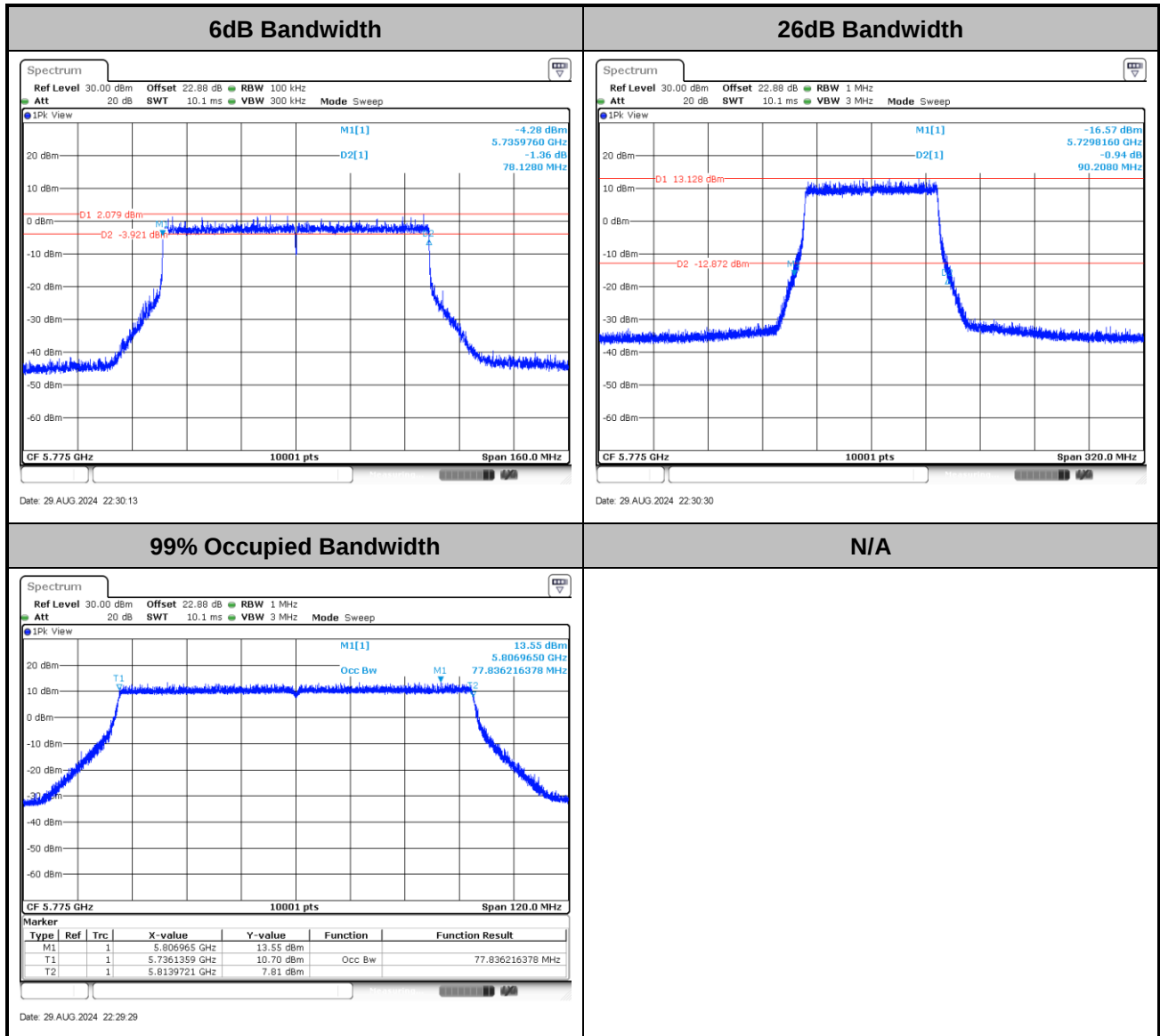


<802.11be EHT40>





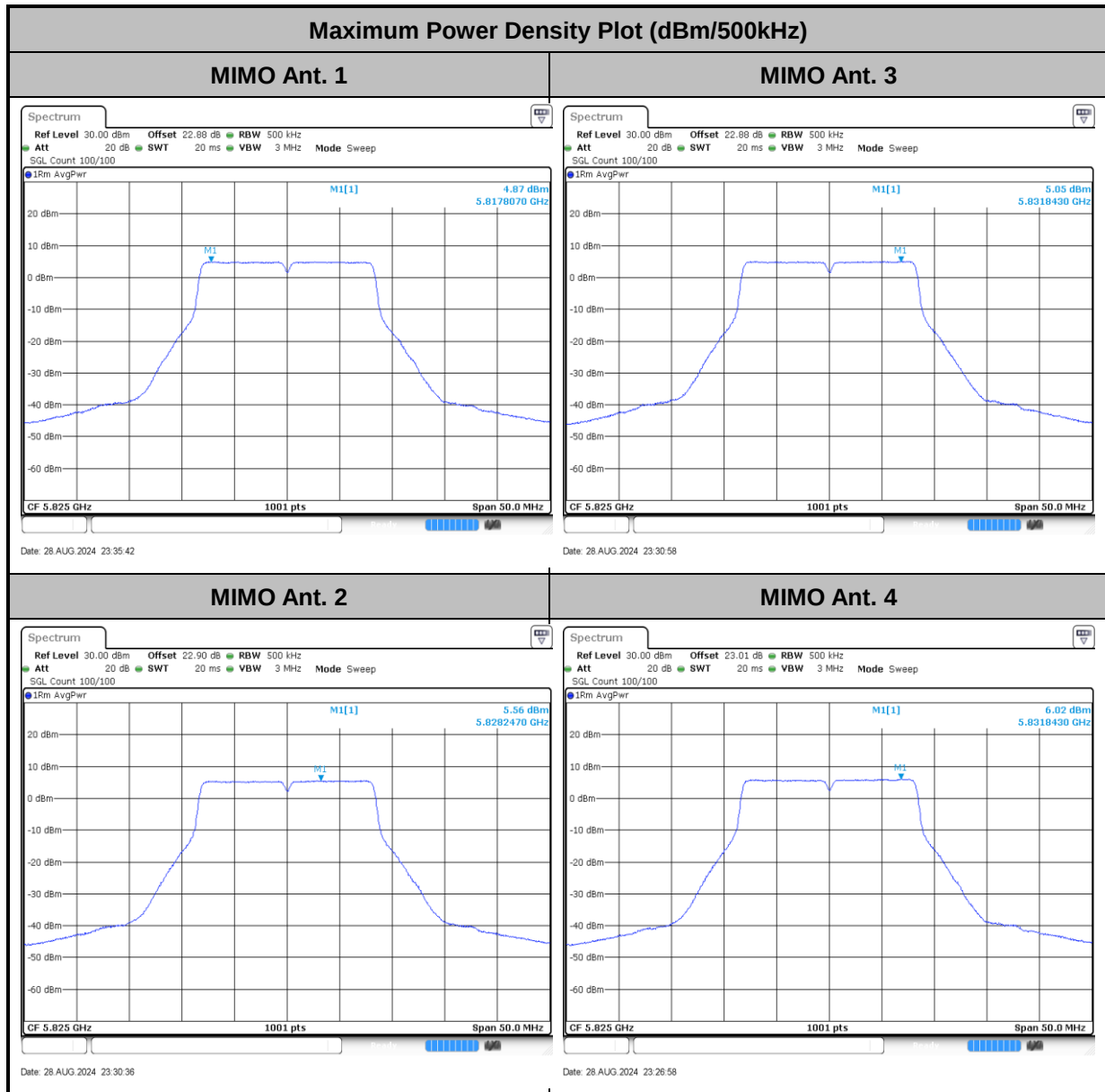
<802.11be EHT80>





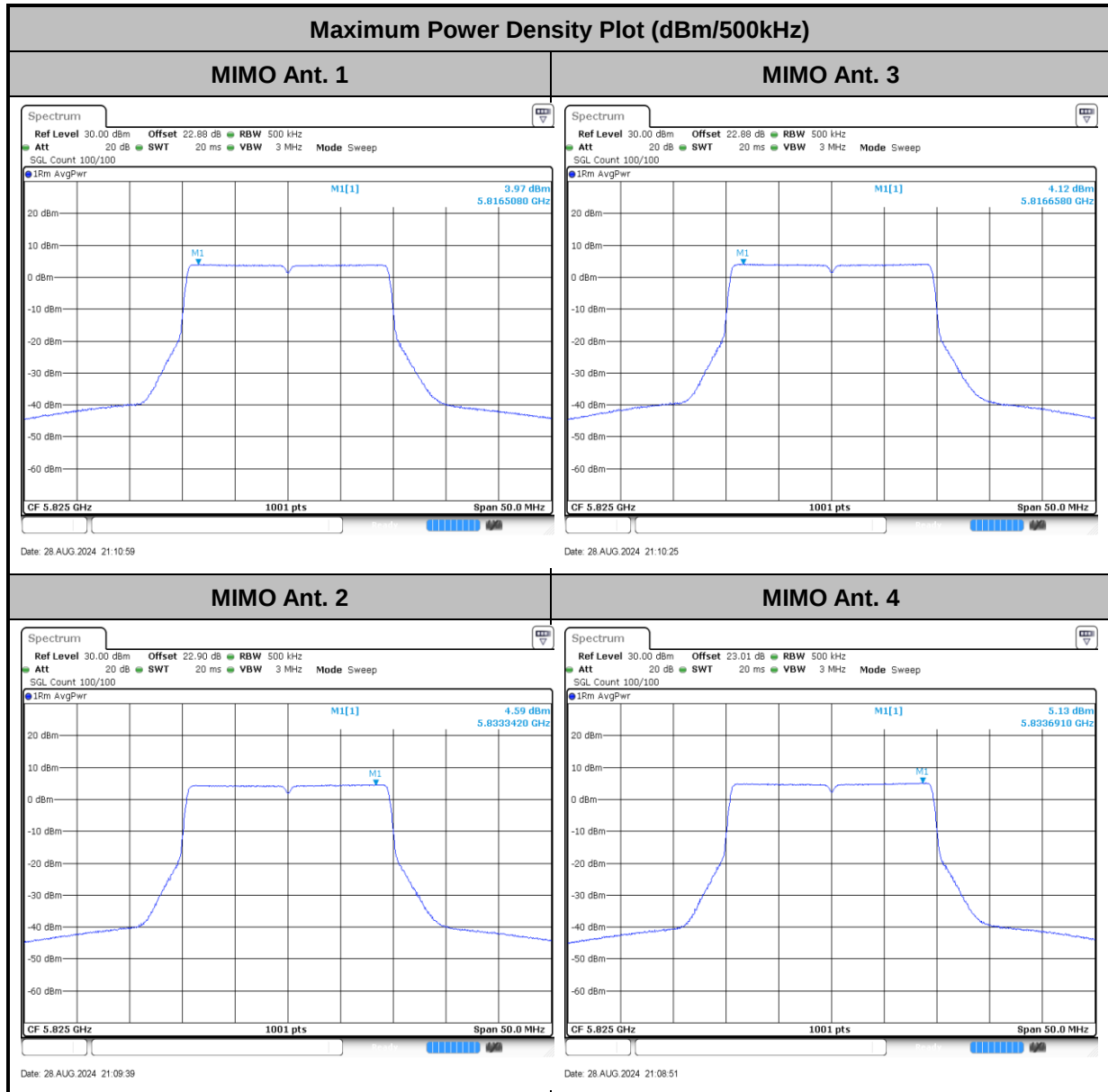
Test Result of Power Spectral Density

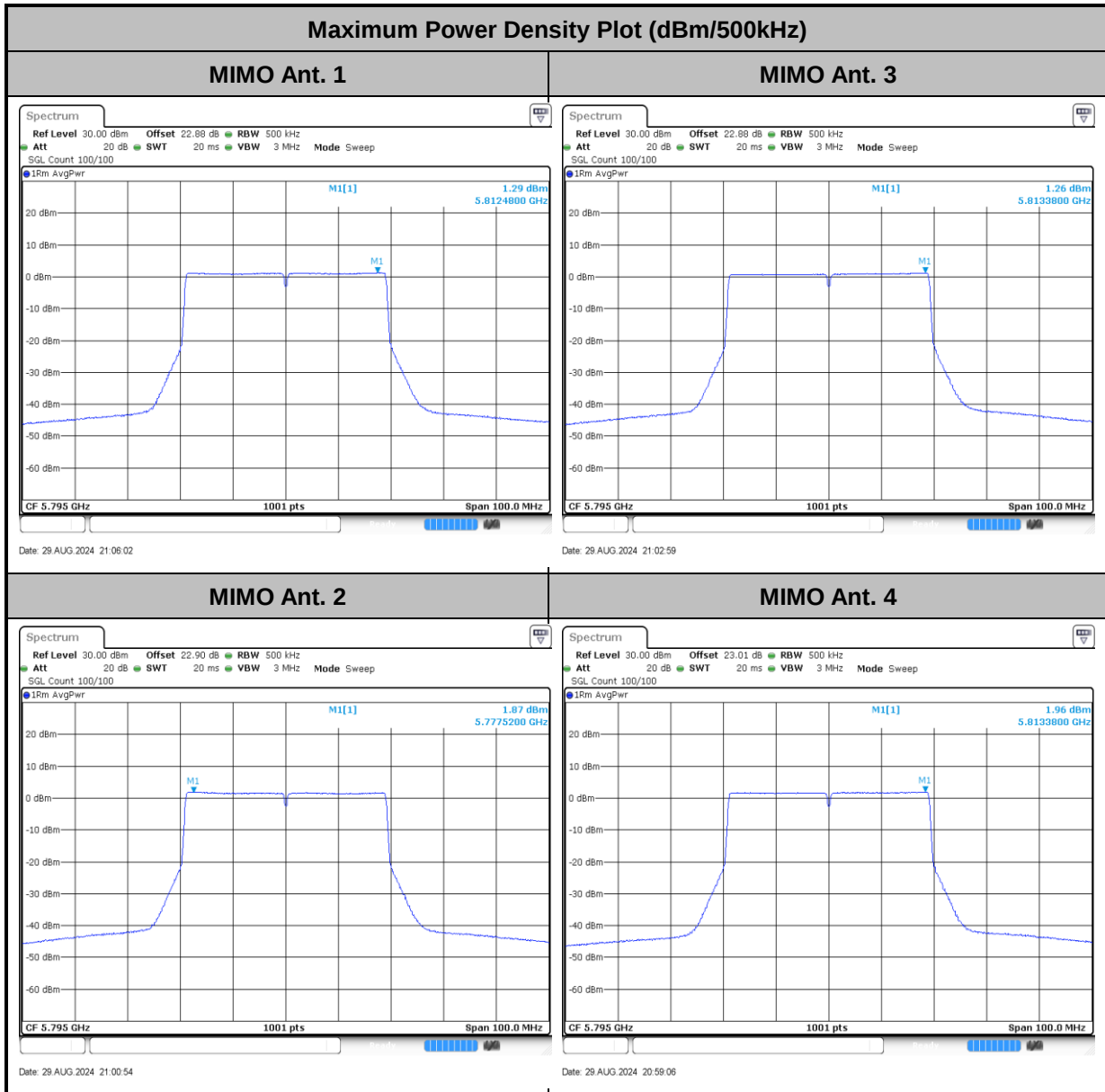
<802.11a>





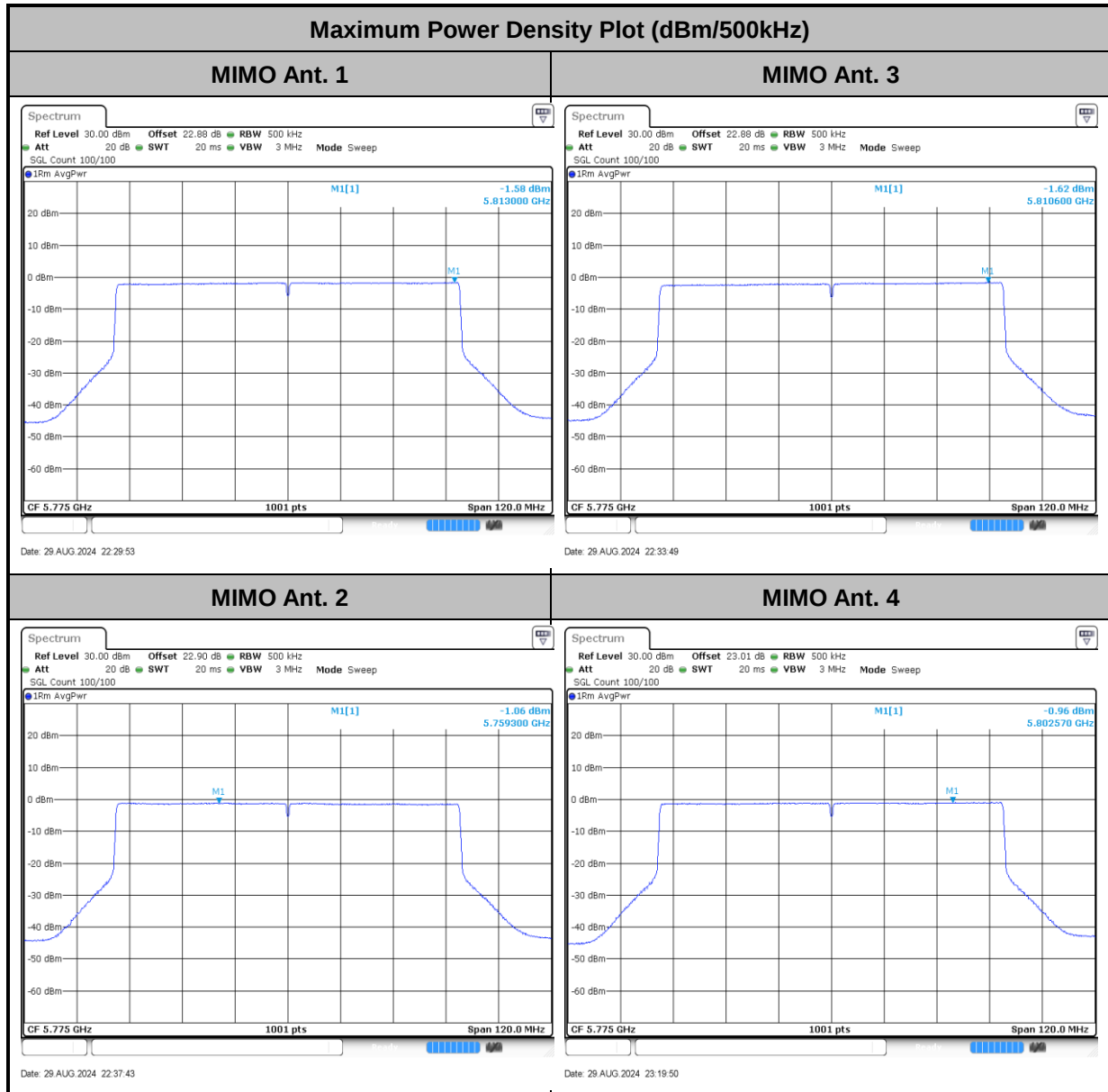
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<802.11be EHT40>




<802.11be EHT80>





Appendix B. AC Conducted Emission Test Results

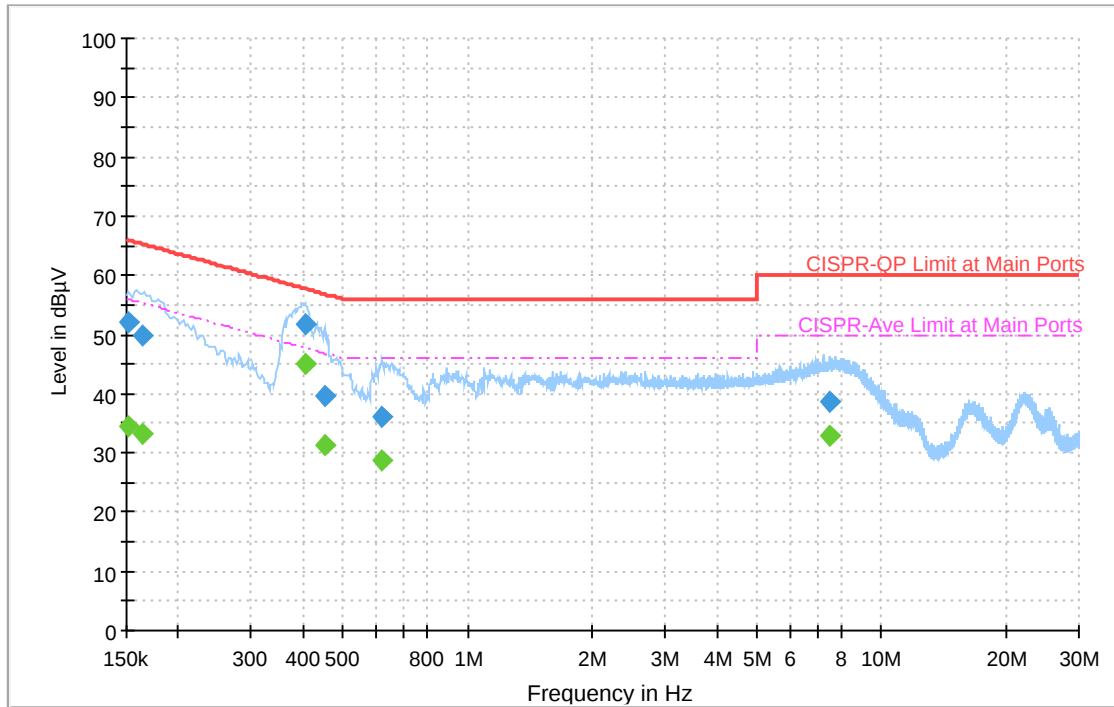
Test Engineer :	Jin Peng	Temperature :	20.1~24.2℃
		Relative Humidity :	41.2~48.5%

EUT Information

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

Line

Full Spectrum



Final Result

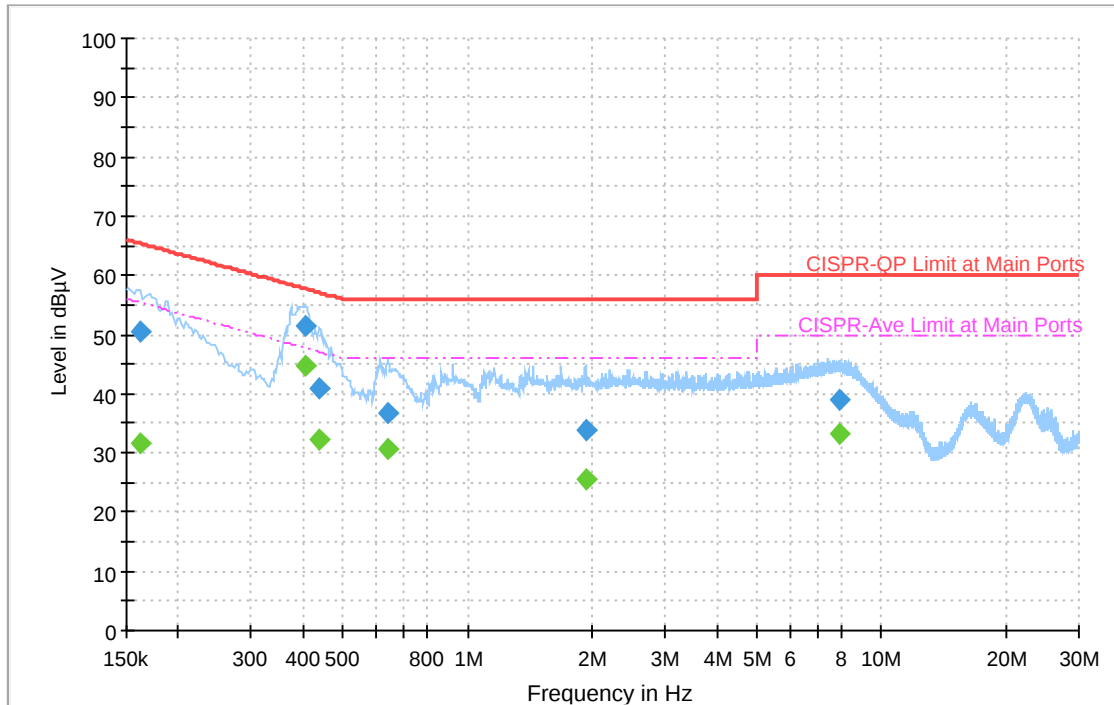
Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	34.48	55.88	21.40	L1	OFF	20.4
0.152250	52.12	---	65.88	13.76	L1	OFF	20.4
0.163500	---	33.12	55.28	22.16	L1	OFF	20.3
0.163500	49.95	---	65.28	15.33	L1	OFF	20.3
0.404250	---	45.09	47.77	2.68	L1	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 :	33.6~57.1%

Band 4 - 5725~5850MHz

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 149 5745MHz		5623.4	57.31	-10.89	68.2	41.6	33.27	11.59	29.15	202	195	P	H
		5700	65.83	-39.37	105.2	49.75	33.56	11.67	29.15	202	195	P	H
		5716.4	76.74	-33.05	109.79	60.57	33.64	11.69	29.16	202	195	P	H
		5722.4	78.33	-37.94	116.27	62.12	33.67	11.7	29.16	202	195	P	H
	*	5745	122.93	-	-	106.6	33.78	11.72	29.17	202	195	P	H
	*	5745	115.67	-	-	99.34	33.78	11.72	29.17	202	195	A	H
													H
													H
		5649.6	57.2	-11	68.2	41.33	33.42	11.62	29.17	202	200	P	V
		5698.6	62.01	-42.16	104.17	45.9	33.59	11.67	29.15	202	200	P	V
		5720	74.99	-35.81	110.8	58.75	33.7	11.7	29.16	202	200	P	V
		5722.4	77.38	-38.89	116.27	61.13	33.71	11.7	29.16	202	200	P	V
	*	5745	121.1	-	-	104.73	33.82	11.72	29.17	202	200	P	V
	*	5745	114.13	-	-	97.76	33.82	11.72	29.17	202	200	A	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 157 5785MHz		5628.4	57.39	-10.81	68.2	41.66	33.29	11.6	29.16	192	194	P	H
		5664.6	58.08	-20.96	79.04	42.18	33.42	11.64	29.16	192	194	P	H
		5715	59.65	-49.75	109.4	43.49	33.63	11.69	29.16	192	194	P	H
		5722	60.15	-55.21	115.36	43.94	33.67	11.7	29.16	192	194	P	H
	*	5785	123.83	-	-	107.29	33.96	11.76	29.18	192	194	P	H
	*	5785	116.52	-	-	99.98	33.96	11.76	29.18	192	194	A	H
		5850.6	59.93	-60.9	120.83	43.16	34.17	11.83	29.23	192	194	P	H
		5856.4	60.45	-49.96	110.41	43.67	34.18	11.83	29.23	192	194	P	H
		5875.8	59.6	-45.01	104.61	42.77	34.21	11.85	29.23	192	194	P	H
		5945	56.33	-11.87	68.2	39.41	34.25	11.92	29.25	192	194	P	H
													H
													H
		5611.2	56.77	-11.43	68.2	41.04	33.3	11.58	29.15	195	193	P	V
		5682	57.46	-34.46	91.92	41.42	33.54	11.66	29.16	195	193	P	V
		5719.8	59.38	-51.36	110.74	43.14	33.7	11.7	29.16	195	193	P	V
		5724.2	59.96	-60.42	120.38	43.7	33.72	11.7	29.16	195	193	P	V
	*	5785	122.97	-	-	106.39	34	11.76	29.18	195	193	P	V
	*	5785	116.01	-	-	99.43	34	11.76	29.18	195	193	A	V
		5850.6	60.67	-60.16	120.83	43.86	34.21	11.83	29.23	195	193	P	V
		5858.8	59.61	-50.12	109.73	42.77	34.23	11.84	29.23	195	193	P	V
		5878.4	59.23	-43.44	102.67	42.35	34.26	11.85	29.23	195	193	P	V
		5926.2	56.31	-11.89	68.2	39.34	34.31	11.9	29.24	195	193	P	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 165 5825MHz	*	5825	124.42	-	-	107.73	34.1	11.8	29.21	196	193	P	H
	*	5825	117.05	-	-	100.36	34.1	11.8	29.21	196	193	A	H
		5852.2	89.93	-27.25	117.18	73.16	34.17	11.83	29.23	196	193	P	H
		5855.8	88.96	-21.62	110.58	72.18	34.18	11.83	29.23	196	193	P	H
		5876.8	73.43	-30.43	103.86	56.6	34.21	11.85	29.23	196	193	P	H
		5935.8	55.96	-12.24	68.2	39.04	34.25	11.91	29.24	196	193	P	H
													H
													H
	*	5825	124.35	-	-	107.62	34.14	11.8	29.21	197	216	P	V
	*	5825	117.29	-	-	100.56	34.14	11.8	29.21	197	216	A	V
		5852.6	89.39	-26.88	116.27	72.58	34.21	11.83	29.23	197	216	P	V
		5858.4	85.74	-24.11	109.85	68.9	34.23	11.84	29.23	197	216	P	V
		5882.2	68.8	-31.05	99.85	51.9	34.27	11.86	29.23	197	216	P	V
		5935.2	55.54	-12.66	68.2	38.56	34.31	11.91	29.24	197	216	P	V
													V
													V
													V
Remark 1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													

**Band 4 5725~5850MHz****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 149 5745MHz		11490	47.86	-26.14	74	59.41	39.15	17.08	67.78	-	-	P	H
		17235	47.48	-20.72	68.2	57.08	38.13	21.23	68.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	47.84	-26.16	74	59.38	39.16	17.08	67.78	-	-	P	V
		17235	48.73	-19.47	68.2	58.32	38.14	21.23	68.96	301	311	P	V
													V
													V
													V
													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 157 5785MHz		11570	47.68	-26.32	74	59.45	38.98	17.14	67.89	-	-	P	H
		17355	48.65	-19.55	68.2	58.03	38.41	21.3	69.09	165	188	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	50.2	-23.8	74	61.62	38.97	17.5	67.89	160	174	P	V
		11570	39.86	-14.14	54	51.28	38.97	17.5	67.89	160	174	A	V
		17355	48.73	-19.47	68.2	57.79	38.38	21.65	69.09	170	195	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

[illegible]



Band 4 5725~5850MHz

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 149 5745MHz		5647	59.12	-9.08	68.2	43.32	33.35	11.62	29.17	198	194	P	H
		5700	66.09	-39.11	105.2	50.01	33.56	11.67	29.15	198	194	P	H
		5719.4	81.46	-29.17	110.63	65.27	33.65	11.7	29.16	198	194	P	H
		5724.6	82.53	-38.76	121.29	66.31	33.68	11.7	29.16	198	194	P	H
	*	5745	125.62	-	-	109.29	33.78	11.72	29.17	198	194	P	H
	*	5745	115.93	-	-	99.6	33.78	11.72	29.17	198	194	A	H
													H
													H
		5625.8	58.44	-9.76	68.2	42.65	33.35	11.6	29.16	193	216	P	V
		5698	68.32	-35.41	103.73	52.21	33.59	11.67	29.15	193	216	P	V
		5719	81.59	-28.93	110.52	65.37	33.69	11.69	29.16	193	216	P	V
		5721.2	83.83	-29.71	113.54	67.59	33.7	11.7	29.16	193	216	P	V
	*	5745	124.69	-	-	108.32	33.82	11.72	29.17	193	216	P	V
	*	5745	116.3	-	-	99.93	33.82	11.72	29.17	193	216	A	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)
802.11be EHT20 Full CH 157 5785MHz		5633.4	58.35	-9.85	68.2	42.59	33.31	11.61	29.16	200	194	P	H
		5693.8	58.92	-41.71	100.63	42.86	33.54	11.67	29.15	200	194	P	H
		5713.4	60.25	-48.7	108.95	44.1	33.62	11.69	29.16	200	194	P	H
		5724	61.7	-58.22	119.92	45.48	33.68	11.7	29.16	200	194	P	H
	*	5785	123.79	-	-	107.25	33.96	11.76	29.18	200	194	P	H
	*	5785	116.34	-	-	99.8	33.96	11.76	29.18	200	194	A	H
		5851	63.7	-56.22	119.92	46.93	34.17	11.83	29.23	200	194	P	H
		5858.6	61.79	-48	109.79	45	34.18	11.84	29.23	200	194	P	H
		5879	59.36	-42.87	102.23	42.51	34.22	11.86	29.23	200	194	P	H
		5926.2	56.74	-11.46	68.2	39.83	34.25	11.9	29.24	200	194	P	H
													H
													H
		5644.2	58.78	-9.42	68.2	42.93	33.4	11.62	29.17	193	217	P	V
		5675.2	60.16	-26.73	86.89	44.16	33.51	11.65	29.16	193	217	P	V
		5719.6	64.15	-46.54	110.69	47.92	33.69	11.7	29.16	193	217	P	V
		5721.8	64.59	-50.31	114.9	48.35	33.7	11.7	29.16	193	217	P	V
	*	5785	124.61	-	-	108.03	34	11.76	29.18	193	217	P	V
	*	5785	117.28	-	-	100.7	34	11.76	29.18	193	217	A	V
		5850.4	63.77	-57.52	121.29	46.96	34.21	11.83	29.23	193	217	P	V
		5868	61.73	-45.43	107.16	44.88	34.24	11.84	29.23	193	217	P	V
		5877.8	60.43	-42.69	103.12	43.55	34.26	11.85	29.23	193	217	P	V
		5933.4	56.87	-11.33	68.2	39.89	34.31	11.91	29.24	193	217	P	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)
802.11be EHT20 Full CH 165 5825MHz	*	5825	125.06	-	-	108.37	34.1	11.8	29.21	199	194	P	H
	*	5825	116.99	-	-	100.3	34.1	11.8	29.21	199	194	A	H
		5850.6	96.37	-24.46	120.83	79.6	34.17	11.83	29.23	199	194	P	H
		5855.2	87.03	-23.71	110.74	70.25	34.18	11.83	29.23	199	194	P	H
		5877.6	76.47	-26.8	103.27	59.64	34.21	11.85	29.23	199	194	P	H
		5944.6	56.54	-11.66	68.2	39.62	34.25	11.92	29.25	199	194	P	H
													H
													H
	*	5825	125.2	-	-	108.47	34.14	11.8	29.21	193	216	P	V
	*	5825	118.13	-	-	101.4	34.14	11.8	29.21	193	216	A	V
		5850.6	92.54	-28.29	120.83	75.73	34.21	11.83	29.23	193	216	P	V
		5856	90.1	-20.42	110.52	73.28	34.22	11.83	29.23	193	216	P	V
		5875.2	72.9	-32.15	105.05	56.02	34.26	11.85	29.23	193	216	P	V
		5940.8	57.28	-10.92	68.2	40.3	34.32	11.91	29.25	193	216	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

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 157 5785MHz		11570	47.83	-26.17	74	59.24	38.98	17.5	67.89	-	-	P	H
		17355	49.52	-18.68	68.2	58.55	38.41	21.65	69.09	158	180	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	47.6	-26.4	74	59.02	38.97	17.5	67.89	-	-	P	V
		17355	48.88	-19.32	68.2	57.94	38.38	21.65	69.09	165	180	P	V
													V
													V
													V
													V
													V
													V
													V

[illegible]



Band 4 5725~5850MHz

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 151 5755MHz		5650	62.4	-5.8	68.2	46.82	33.13	11.62	29.17	192	176	P	H
		5700	79.74	-25.46	105.2	63.9	33.32	11.67	29.15	192	176	P	H
		5704.6	81.16	-25.33	106.49	65.28	33.35	11.68	29.15	192	176	P	H
		5725	81.77	-40.43	122.2	65.73	33.5	11.7	29.16	192	176	P	H
	*	5755	124.14	-	-	107.86	33.72	11.73	29.17	192	176	P	H
	*	5755	113.68	-	-	97.4	33.72	11.73	29.17	192	176	A	H
		5853.6	66.91	-47.08	113.99	50.2	34.11	11.83	29.23	192	176	P	H
		5855.6	65.91	-44.72	110.63	49.2	34.11	11.83	29.23	192	176	P	H
		5876.8	63.16	-40.7	103.86	46.38	34.16	11.85	29.23	192	176	P	H
		5939.2	56.25	-11.95	68.2	39.37	34.22	11.91	29.25	192	176	P	H
													H
													H
		5646.6	64.38	-3.82	68.2	48.89	33.04	11.62	29.17	199	178	P	V
		5700	80.49	-24.71	105.2	64.69	33.28	11.67	29.15	199	178	P	V
		5717.8	89.75	-20.43	110.18	73.84	33.38	11.69	29.16	199	178	P	V
		5723.2	87.4	-30.7	118.1	71.45	33.41	11.7	29.16	199	178	P	V
	*	5755	123.4	-	-	107.24	33.6	11.73	29.17	199	178	P	V
	*	5755	115.65	-	-	99.49	33.6	11.73	29.17	199	178	A	V
		5850.6	67.57	-53.26	120.83	50.89	34.08	11.83	29.23	199	178	P	V
		5863.6	67.74	-40.65	108.39	51.04	34.09	11.84	29.23	199	178	P	V
		5882.2	63.59	-36.26	99.85	46.84	34.12	11.86	29.23	199	178	P	V
		5941	56.41	-11.79	68.2	39.6	34.15	11.91	29.25	199	178	P	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)
802.11be EHT40 Full CH 159 5795MHz		5648.8	61.47	-6.73	68.2	45.89	33.13	11.62	29.17	153	359	P	H
		5700	71.1	-34.1	105.2	55.26	33.32	11.67	29.15	153	359	P	H
		5718.4	80.8	-29.55	110.35	64.81	33.46	11.69	29.16	153	359	P	H
		5723.2	80.93	-37.17	118.1	64.9	33.49	11.7	29.16	153	359	P	H
	*	5795	124.08	-	-	107.55	33.95	11.77	29.19	153	359	P	H
	*	5795	115.85	-	-	99.32	33.95	11.77	29.19	153	359	A	H
		5850.4	89.15	-32.14	121.29	72.45	34.1	11.83	29.23	153	359	P	H
		5855.8	86.07	-24.51	110.58	69.36	34.11	11.83	29.23	153	359	P	H
		5876.6	82.02	-21.99	104.01	65.24	34.16	11.85	29.23	153	359	P	H
		5941.4	56.34	-11.86	68.2	39.46	34.22	11.91	29.25	153	359	P	H
													H
													H
		5618.4	60.63	-7.57	68.2	45.23	32.96	11.59	29.15	155	360	P	V
		5699.6	69.17	-35.74	104.91	53.37	33.28	11.67	29.15	155	360	P	V
		5719.8	79.95	-30.79	110.74	64.02	33.39	11.7	29.16	155	360	P	V
		5722.8	81.22	-35.96	117.18	65.27	33.41	11.7	29.16	155	360	P	V
	*	5795	125.64	-	-	109.22	33.84	11.77	29.19	155	360	P	V
	*	5795	116.29	-	-	99.87	33.84	11.77	29.19	155	360	A	V
		5850.4	87.3	-33.99	121.29	70.62	34.08	11.83	29.23	155	360	P	V
		5866.2	84.89	-22.77	107.66	68.18	34.1	11.84	29.23	155	360	P	V
		5875.2	77.75	-27.3	105.05	61.02	34.11	11.85	29.23	155	360	P	V
		5948.6	57.72	-10.48	68.2	40.9	34.15	11.92	29.25	155	360	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11be EHT40_Full (Harmonic @ 3m)

[illegible]

[illegible]



Band 4 5725~5850MHz

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 155 5775MHz		5638.4	64.78	-3.42	68.2	49.21	33.12	11.61	29.16	204	182	P	H
		5697	70.01	-32.98	102.99	54.18	33.31	11.67	29.15	204	182	P	H
		5720	73.06	-37.74	110.8	57.05	33.47	11.7	29.16	204	182	P	H
		5724.4	79.81	-41.02	120.83	63.77	33.5	11.7	29.16	204	182	P	H
		5452	63.09	-10.91	74	47.67	33.11	11.44	29.13	204	182	P	H
	*	5775	118.02	-	-	101.61	33.84	11.75	29.18	204	182	P	H
		5452	53.22	-0.78	54	37.8	33.11	11.44	29.13	204	182	A	H
	*	5775	109.72	-	-	93.31	33.84	11.75	29.18	204	182	A	H
		5854	77.87	-35.21	113.08	61.16	34.11	11.83	29.23	204	182	P	H
		5855.4	77.25	-33.44	110.69	60.54	34.11	11.83	29.23	204	182	P	H
		5875.4	73.15	-31.75	104.9	56.37	34.16	11.85	29.23	204	182	P	H
		5947.8	56.84	-11.36	68.2	39.95	34.22	11.92	29.25	204	182	P	H
		5650	65.66	-2.54	68.2	50.16	33.05	11.62	29.17	176	180	P	V
		5698.2	74.58	-29.29	103.87	58.79	33.27	11.67	29.15	176	180	P	V
		5719.4	75.32	-35.31	110.63	59.39	33.39	11.7	29.16	176	180	P	V
		5724.6	81.79	-39.5	121.29	65.83	33.42	11.7	29.16	176	180	P	V
		5452	62.22	-11.78	74	46.94	32.97	11.44	29.13	176	180	P	V
	*	5775	120.83	-	-	104.54	33.72	11.75	29.18	176	180	P	V
		5452	52.7	-1.3	54	37.42	32.97	11.44	29.13	176	180	A	V
	*	5775	111.6	-	-	95.31	33.72	11.75	29.18	176	180	A	V
		5850.8	76.04	-44.34	120.38	59.36	34.08	11.83	29.23	176	180	P	V
		5858.8	77.89	-31.84	109.73	61.19	34.09	11.84	29.23	176	180	P	V
		5875.6	70.85	-33.9	104.75	54.12	34.11	11.85	29.23	176	180	P	V
		5945.6	56.46	-11.74	68.2	39.64	34.15	11.92	29.25	176	180	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11be EHT80_Full (Harmonic @ 3m)

[illegible]



Emission above 18GHz

5GHz WIFI 802.11be EHT80 Full (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11be EHT80 Full SHF		26751.35	43.22	-24.98	68.2	39.12	39.92	17.12	52.94	300	360	P	H
		39298	52.63	-21.37	74	38.63	44.33	23.42	53.75	100	0	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		26742.3	42.85	-25.35	68.2	38.69	39.95	17.12	52.91	300	360	P	V
		39246	53.81	-20.19	74	39.12	45.07	23.4	53.78	100	0	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

5GHz WIFI 802.11be EHT80 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 EHT80 Full LF		30.97	27.95	-12.05	40	35.13	24.29	0.93	32.4	-	-	P	H
		76.56	29.42	-10.58	40	47.5	12.96	1.38	32.42	-	-	P	H
		100.81	28.9	-14.6	43.5	43.52	16.13	1.68	32.43	-	-	P	H
		500.45	32.15	-13.85	46	37.52	23.83	3.6	32.8	-	-	P	H
		749.74	32.26	-13.74	46	32.58	28.05	4.43	32.8	-	-	P	H
		774.96	31.94	-14.06	46	32.02	28.11	4.51	32.7	-	-	P	H
													H
													H
													H
													H
													H
													H
		30.97	39.21	-0.79	40	46.39	24.29	0.93	32.4	100	180	Q	V
		77.53	34.55	-5.45	40	52.5	13.08	1.39	32.42	100	33	Q	V
		99.84	36.63	-6.87	43.5	51.38	16.01	1.67	32.43	-	-	P	V
		163.86	28.22	-15.28	43.5	42.5	16.13	2.02	32.43	-	-	P	V
		500.45	32.29	-13.71	46	37.66	23.83	3.6	32.8	-	-	P	V
		947.62	32.01	-13.99	46	28.05	30.5	5.08	31.62	-	-	P	V
													V
													V
												V	
												V	
												V	
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												
	3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												



Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3+2+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5603.4	57.53	-10.67	68.2	41.89	33.21	11.57	29.14	120	179	P	H
		5688	59.34	-37.01	96.35	43.32	33.51	11.66	29.15	120	179	P	H
		5720	66.44	-44.36	110.8	50.24	33.66	11.7	29.16	120	179	P	H
		5440	57.69	-16.31	74	42.33	33.06	11.43	29.13	120	179	P	H
	*	5745	124.71	-	-	108.38	33.78	11.72	29.17	120	179	P	H
		5440	50.05	-3.95	54	34.69	33.06	11.43	29.13	235	180	A	H
	*	5745	118.05	-	-	101.72	33.78	11.72	29.17	120	179	A	H
													H
		5611.2	60.26	-7.94	68.2	44.53	33.3	11.58	29.15	290	179	P	V
		5697.6	61.32	-42.11	103.43	45.21	33.59	11.67	29.15	290	179	P	V
		5714.8	62.82	-46.53	109.35	46.62	33.67	11.69	29.16	290	179	P	V
		5724.4	72.9	-47.93	120.83	56.64	33.72	11.7	29.16	290	179	P	V
		5446	60.36	-13.64	74	44.92	33.13	11.44	29.13	290	179	P	V
	*	5745	124.49	-	-	108.12	33.82	11.72	29.17	290	179	P	V
		5446	51.98	-2.02	54	36.54	33.13	11.44	29.13	235	183	A	V
	*	5745	118.35	-	-	101.98	33.82	11.72	29.17	290	179	A	V



WIFI Ant. 1+3+2+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 157 5785MHz		5612.2	57.37	-10.83	68.2	41.7	33.24	11.58	29.15	100	181	P	H
		5682.2	58.93	-33.14	92.07	42.94	33.49	11.66	29.16	100	181	P	H
		5710.6	59.1	-49.07	108.17	42.95	33.61	11.69	29.15	100	181	P	H
		5723	59.09	-58.55	117.64	42.88	33.67	11.7	29.16	100	181	P	H
	*	5785	124.97	-	-	108.43	33.96	11.76	29.18	100	181	P	H
	*	5785	118.11	-	-	101.57	33.96	11.76	29.18	100	181	A	H
		5850.8	59.21	-61.17	120.38	42.44	34.17	11.83	29.23	100	181	P	H
		5871	60.13	-46.19	106.32	43.31	34.2	11.85	29.23	100	181	P	H
		5876	59.55	-44.91	104.46	42.72	34.21	11.85	29.23	100	181	P	H
		5934.6	58.05	-10.15	68.2	41.13	34.25	11.91	29.24	100	181	P	H
													H
													H
		5633.4	58.36	-9.84	68.2	42.54	33.37	11.61	29.16	280	179	P	V
		5690.2	59.16	-38.81	97.97	43.09	33.56	11.66	29.15	280	179	P	V
		5713	59.27	-49.57	108.84	43.08	33.66	11.69	29.16	280	179	P	V
		5722	60.27	-55.09	115.36	44.02	33.71	11.7	29.16	280	179	P	V
	*	5785	124.59	-	-	108.01	34	11.76	29.18	280	179	P	V
	*	5785	118.21	-	-	101.63	34	11.76	29.18	280	179	A	V
		5853.8	60.82	-52.72	113.54	44	34.22	11.83	29.23	280	179	P	V
		5859.6	60.44	-49.07	109.51	43.6	34.23	11.84	29.23	280	179	P	V
		5906	60.35	-21.87	82.22	43.4	34.3	11.88	29.23	280	179	P	V
		5940.4	59.86	-8.34	68.2	42.88	34.32	11.91	29.25	280	179	P	V
													V
													V



WiFi Ant. 1+3+2+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 165 5825MHz		5362	60.23	-13.77	74	44.92	33.09	11.35	29.13	225	178	P	H
	*	5825	124.62	-	-	107.93	34.1	11.8	29.21	108	181	P	H
		5356	51.91	-2.09	54	36.59	33.1	11.35	29.13	225	178	A	H
	*	5825	118.59	-	-	101.9	34.1	11.8	29.21	108	181	A	H
		5852.8	66.42	-49.4	115.82	49.65	34.17	11.83	29.23	108	181	P	H
		5855.6	67.16	-43.47	110.63	50.38	34.18	11.83	29.23	108	181	P	H
		5877.4	60.3	-43.12	103.42	43.47	34.21	11.85	29.23	108	181	P	H
		5940.8	57.62	-10.58	68.2	40.71	34.25	11.91	29.25	108	181	P	H
		5356	60.56	-13.44	74	45.2	33.14	11.35	29.13	288	182	P	V
	*	5825	125.37	-	-	108.64	34.14	11.8	29.21	285	181	P	V
		5356	51.73	-2.27	54	36.37	33.14	11.35	29.13	288	182	A	V
	*	5825	118.69	-	-	101.96	34.14	11.8	29.21	285	181	A	V
		5850.2	68.65	-53.09	121.74	51.84	34.21	11.83	29.23	285	181	P	V
		5857.8	66.31	-43.7	110.01	49.49	34.22	11.83	29.23	285	181	P	V
		5886.4	60.62	-36.12	96.74	43.71	34.28	11.86	29.23	285	181	P	V
		5936.8	59.58	-8.62	68.2	42.6	34.31	11.91	29.24	285	181	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+3+2+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 149 5745MHz		11490	47.51	-26.49	74	59.1	39.11	17.08	67.78	-	-	P	H
		17235	47.68	-20.52	68.2	57.52	37.89	21.23	68.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	47.21	-26.79	74	58.83	39.08	17.08	67.78	-	-	P	V
		17235	47.82	-20.38	68.2	57.49	38.06	21.23	68.96	-	-	P	V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 1+3+2+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 157 5785MHz		11570	46.93	-27.07	74	58.76	38.92	17.14	67.89	-	-	P	H
		17355	48.54	-19.66	68.2	58.17	38.16	21.3	69.09	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	46.8	-27.2	74	58.67	38.88	17.14	67.89	-	-	P	V
		17355	48.57	-19.63	68.2	58	38.36	21.3	69.09	-	-	P	V
													V
													V
													V
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													V
													V
													V
													V
													V
													V
													V



Report No. : FR240524001C

TEL : 408 9043300



Band 4 5725~5850MHz

WIFI 802.11be EHT20_Full (Band Edge @ 3m)

WIFI Ant. 1+3+2+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 149 5745MHz		5647.4	58.04	-10.16	68.2	42.24	33.35	11.62	29.17	110	180	P	H
		5685.8	59.41	-35.31	94.72	43.41	33.5	11.66	29.16	110	180	P	H
		5719	67.89	-42.63	110.52	51.71	33.65	11.69	29.16	110	180	P	H
		5724.6	72.81	-48.48	121.29	56.59	33.68	11.7	29.16	110	180	P	H
		5434	59.15	-14.85	74	43.8	33.06	11.43	29.14	300	182	P	H
	*	5745	123.29	-	-	106.96	33.78	11.72	29.17	110	180	P	H
		5440	49.89	-4.11	54	34.53	33.06	11.43	29.13	300	182	A	H
	*	5745	115.23	-	-	98.9	33.78	11.72	29.17	110	180	A	H
		5601	58.6	-9.6	68.2	42.9	33.27	11.57	29.14	300	178	P	V
		5684.2	61.78	-31.76	93.54	45.74	33.54	11.66	29.16	300	178	P	V
		5719.4	67	-43.63	110.63	50.77	33.69	11.7	29.16	300	178	P	V
		5724.8	72.65	-49.09	121.74	56.39	33.72	11.7	29.16	300	178	P	V
		5440	61.41	-12.59	74	45.98	33.13	11.43	29.13	210	182	P	V
	*	5745	124.02	-	-	107.65	33.82	11.72	29.17	300	178	P	V
		5446	51.84	-2.16	54	36.4	33.13	11.44	29.13	210	182	A	V
	*	5745	115.29	-	-	98.92	33.82	11.72	29.17	300	178	A	V



WIFI Ant. 1+3+2+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 157 5785MHz		5626	57.26	-10.94	68.2	41.54	33.28	11.6	29.16	100	182	P	H
		5679.2	58.02	-31.83	89.85	42.05	33.48	11.65	29.16	100	182	P	H
		5712.8	58.49	-50.3	108.79	42.34	33.62	11.69	29.16	100	182	P	H
		5720	58.37	-52.43	110.8	42.17	33.66	11.7	29.16	100	182	P	H
	*	5785	121.93	-	-	105.39	33.96	11.76	29.18	100	182	P	H
	*	5785	114.96	-	-	98.42	33.96	11.76	29.18	100	182	A	H
		5850	59.23	-62.97	122.2	42.46	34.17	11.83	29.23	100	182	P	H
		5869.6	60.11	-46.6	106.71	43.29	34.2	11.85	29.23	100	182	P	H
		5883	59.78	-39.48	99.26	42.93	34.22	11.86	29.23	100	182	P	H
		5944.4	58.2	-10	68.2	41.28	34.25	11.92	29.25	100	182	P	H
													H
													H
		5638.4	59.07	-9.13	68.2	43.23	33.39	11.61	29.16	335	177	P	V
		5689.8	59.26	-38.42	97.68	43.19	33.56	11.66	29.15	335	177	P	V
		5718	59.08	-51.16	110.24	42.86	33.69	11.69	29.16	335	177	P	V
		5723.4	59.76	-58.79	118.55	43.51	33.71	11.7	29.16	335	177	P	V
	*	5785	123.47	-	-	106.89	34	11.76	29.18	335	177	P	V
	*	5785	115.18	-	-	98.6	34	11.76	29.18	335	177	A	V
		5850.4	60.03	-61.26	121.29	43.22	34.21	11.83	29.23	335	177	P	V
		5871.8	59.45	-46.64	106.09	42.58	34.25	11.85	29.23	335	177	P	V
		5892.6	59.4	-32.74	92.14	42.47	34.29	11.87	29.23	335	177	P	V
		5942	60.75	-7.45	68.2	43.77	34.32	11.91	29.25	335	177	P	V
													V
													V



WIFI Ant. 1+3+2+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 165 5825MHz		5356	59.17	-14.83	74	43.85	33.1	11.35	29.13	214	182	P	H
	*	5825	121.89	-	-	105.2	34.1	11.8	29.21	108	181	P	H
		5356	49.14	-4.86	54	33.82	33.1	11.35	29.13	213	182	A	H
	*	5825	114.84	-	-	98.15	34.1	11.8	29.21	108	181	A	H
		5851	70.08	-49.84	119.92	53.31	34.17	11.83	29.23	108	181	P	H
		5855.6	66.08	-44.55	110.63	49.3	34.18	11.83	29.23	108	181	P	H
		5886.2	60.87	-36.01	96.88	44.01	34.23	11.86	29.23	108	181	P	H
		5937	57.74	-10.46	68.2	40.82	34.25	11.91	29.24	108	181	P	H
		5356	60.1	-13.9	74	44.74	33.14	11.35	29.13	308	175	P	V
	*	5825	122.95	-	-	106.22	34.14	11.8	29.21	285	181	P	V
		5356	49.17	-4.83	54	33.81	33.14	11.35	29.13	308	175	A	V
	*	5825	115.13	-	-	98.4	34.14	11.8	29.21	285	181	A	V
		5850.2	70.81	-50.93	121.74	54	34.21	11.83	29.23	285	181	P	V
		5855.2	65.16	-45.58	110.74	48.34	34.22	11.83	29.23	285	181	P	V
		5887.8	61.3	-34.4	95.7	44.39	34.28	11.86	29.23	285	181	P	V
		5943.2	58.65	-9.55	68.2	41.66	34.32	11.92	29.25	285	181	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11be EHT20 Full (Harmonic @ 3m)

[illegible]



WIFI Ant. 1+3+2+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 157 5785MHz		11570	46.83	-27.17	74	58.66	38.92	17.14	67.89	-	-	P	H
		17355	47.84	-20.36	68.2	57.47	38.16	21.3	69.09	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	47.25	-26.75	74	59.12	38.88	17.14	67.89	-	-	P	V
		17355	49.31	-18.89	68.2	58.74	38.36	21.3	69.09	-	-	P	V
													V
													V
													V
													V
													V
													V
													V

[illegible]



Band 4 5725~5850MHz

WIFI 802.11be EHT40_Full (Band Edge @ 3m)

WIFI Ant. 1+3+2+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 151 5755MHz		5601	58.11	-10.09	68.2	42.48	33.2	11.57	29.14	105	181	P	H
		5699	61.32	-43.14	104.46	45.24	33.56	11.67	29.15	105	181	P	H
		5718.4	69.34	-41.01	110.35	53.16	33.65	11.69	29.16	105	181	P	H
		5723.4	70.26	-48.29	118.55	54.05	33.67	11.7	29.16	105	181	P	H
	*	5755	118.9	-	-	102.52	33.82	11.73	29.17	105	181	P	H
	*	5755	110.68	-	-	94.3	33.82	11.73	29.17	105	181	A	H
		5852.2	59.92	-57.26	117.18	43.15	34.17	11.83	29.23	105	181	P	H
		5857.6	59.5	-50.57	110.07	42.72	34.18	11.83	29.23	105	181	P	H
		5883.8	59.88	-38.79	98.67	43.03	34.22	11.86	29.23	105	181	P	H
		5926.6	57.56	-10.64	68.2	40.65	34.25	11.9	29.24	105	181	P	H
													H
													H
		5616	59.53	-8.67	68.2	43.77	33.32	11.59	29.15	278	179	P	V
		5699.6	60.43	-44.48	104.91	44.31	33.6	11.67	29.15	278	179	P	V
		5714	69.96	-39.16	109.12	53.76	33.67	11.69	29.16	278	179	P	V
		5724.4	71.94	-48.89	120.83	55.68	33.72	11.7	29.16	278	179	P	V
	*	5755	120.72	-	-	104.3	33.86	11.73	29.17	278	179	P	V
	*	5755	111.32	-	-	94.9	33.86	11.73	29.17	278	179	A	V
		5852	59.3	-58.34	117.64	42.49	34.21	11.83	29.23	278	179	P	V
		5857.8	60.44	-49.57	110.01	43.62	34.22	11.83	29.23	278	179	P	V
		5876.6	59.84	-44.17	104.01	42.96	34.26	11.85	29.23	278	179	P	V
		5936.2	58.69	-9.51	68.2	41.71	34.31	11.91	29.24	278	179	P	V
													V
													V



WIFI Ant. 1+3+2+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 159 5795MHz		5631.8	56.33	-11.87	68.2	40.59	33.3	11.6	29.16	100	178	P	H
		5690.4	56.86	-41.26	98.12	40.83	33.52	11.66	29.15	100	178	P	H
		5719	58.23	-52.29	110.52	42.05	33.65	11.69	29.16	100	178	P	H
		5723.4	58.72	-59.83	118.55	42.51	33.67	11.7	29.16	100	178	P	H
	*	5795	118.12	-	-	101.53	34.01	11.77	29.19	100	178	P	H
	*	5795	110.43	-	-	93.84	34.01	11.77	29.19	100	178	A	H
		5850	63.54	-58.66	122.2	46.77	34.17	11.83	29.23	100	178	P	H
		5856.6	61.83	-48.52	110.35	45.05	34.18	11.83	29.23	100	178	P	H
		5890.6	59.98	-33.64	93.62	43.11	34.23	11.87	29.23	100	178	P	H
		5938.6	57.29	-10.91	68.2	40.38	34.25	11.91	29.25	100	178	P	H
													H
													H
		5637.2	57.87	-10.33	68.2	42.04	33.38	11.61	29.16	275	179	P	V
		5698.4	58.91	-45.11	104.02	42.8	33.59	11.67	29.15	275	179	P	V
		5706.4	59.03	-47.96	106.99	42.87	33.63	11.68	29.15	275	179	P	V
		5722	59.52	-55.84	115.36	43.27	33.71	11.7	29.16	275	179	P	V
	*	5795	119.29	-	-	102.66	34.05	11.77	29.19	275	179	P	V
	*	5795	111.44	-	-	94.81	34.05	11.77	29.19	275	179	A	V
		5850	64.89	-57.31	122.2	48.08	34.21	11.83	29.23	275	179	P	V
		5855.6	62.92	-47.71	110.63	46.1	34.22	11.83	29.23	275	179	P	V
		5876.2	61.03	-43.28	104.31	44.15	34.26	11.85	29.23	275	179	P	V
		5928.4	59.21	-8.99	68.2	42.24	34.31	11.9	29.24	275	179	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11be EHT40_Full (Harmonic @ 3m)

WIFI Ant. 1+3+2+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 151 5755MHz		11510	47.16	-26.84	74	58.82	39.07	17.09	67.82	-	-	P	H
		17265	47.98	-20.22	68.2	57.74	37.97	21.25	68.98	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11510	48.3	-25.7	74	60	39.03	17.09	67.82	-	-	P	V
		17265	47.48	-20.72	68.2	57.07	38.14	21.25	68.98	-	-	P	V
													V
													V
													V
													V
													V
													V

[illegible]



Band 4 5725~5850MHz

WIFI 802.11be EHT80_Full (Band Edge @ 3m)

WIFI Ant. 1+3+2+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 155 5775MHz		5634.4	57.49	-10.71	68.2	41.73	33.31	11.61	29.16	100	181	P	H
		5699.8	65.07	-39.98	105.05	48.99	33.56	11.67	29.15	100	181	P	H
		5718.8	70.06	-40.4	110.46	53.88	33.65	11.69	29.16	100	181	P	H
		5725	78.85	-43.35	122.2	62.63	33.68	11.7	29.16	100	181	P	H
	*	5775	115.93	-	-	99.44	33.92	11.75	29.18	100	181	P	H
	*	5775	107.66	-	-	91.17	33.92	11.75	29.18	100	181	A	H
		5851.6	69.17	-49.38	118.55	52.4	34.17	11.83	29.23	100	181	P	H
		5867.6	67.47	-39.8	107.27	50.66	34.2	11.84	29.23	100	181	P	H
		5876	65.4	-39.06	104.46	48.57	34.21	11.85	29.23	100	181	P	H
		5927.8	57.87	-10.33	68.2	40.96	34.25	11.9	29.24	100	181	P	H
													H
													H
		5627.8	59.99	-8.21	68.2	44.2	33.35	11.6	29.16	278	178	P	V
		5690.2	66.68	-31.29	97.97	50.61	33.56	11.66	29.15	278	178	P	V
		5719.8	70.32	-40.42	110.74	54.08	33.7	11.7	29.16	278	178	P	V
		5724.6	80.69	-40.6	121.29	64.43	33.72	11.7	29.16	278	178	P	V
	*	5775	118.9	-	-	102.37	33.96	11.75	29.18	278	178	P	V
	*	5775	108.34	-	-	91.81	33.96	11.75	29.18	278	178	A	V
		5853.8	72.97	-40.57	113.54	56.15	34.22	11.83	29.23	278	178	P	V
		5855.2	72.65	-38.09	110.74	55.83	34.22	11.83	29.23	278	178	P	V
		5879.2	67.95	-34.13	102.08	51.06	34.26	11.86	29.23	278	178	P	V
		5942.4	59.73	-8.47	68.2	42.74	34.32	11.92	29.25	278	178	P	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11be EHT80_Full (Harmonic @ 3m)

[illegible]

Emission above 18GHz

WIFI 802.11a (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3+2+4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a SHF		26859.95	43.18	-25.02	68.2	39.35	39.7	17.14	53.01	-	-	P	H
		39883	52.77	-21.23	74	38.83	43.98	23.65	53.69	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
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802.11a SHF		26841.85	42.5	-25.7	68.2	38.46	39.93	17.14	53.03	-	-	P	V
		39831	53.3	-20.7	74	38.91	44.5	23.63	53.74	-	-	P	V
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Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												

Emission below 1GHz

5GHz WIFI 802.11a (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 Margin 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	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		11650	55.18	-18.82	74	66.55	38.85	17.58	67.8	175	178	P	H
EHT20 Full													
CH 165		11650	45.74	-8.26	54	57.11	38.85	17.58	67.8	175	178	A	H
5825MHz													

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

For Peak Limit @ 11650MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 38.85(dB/m) + 17.58(dB) + 66.55(dBμV) – 67.8 (dB)
 = 55.18 (dBμV/m)
2. Margin (dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.18(dBμV/m) – 74(dBμV/m)
 = -18.82 (dB)

For AVERAGE Limit @ 11650MHz:

3. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 38.85(dB/m) + 17.58(dB) + 57.11(dBμV) – 67.8 (dB)
 = 45.74 (dBμV/m)
4. Margin (dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 45.74(dBμV/m) – 54(dBμV/m)
 = -8.26 (dB)

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



Appendix D. Radiated Spurious Emission Plots

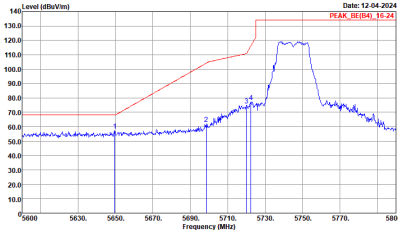
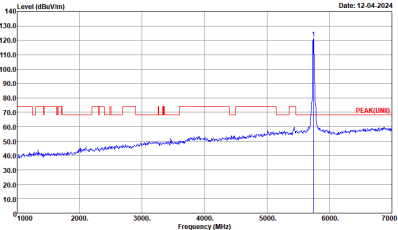
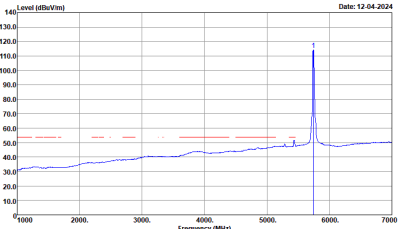
Test Engineer :	Kevin Hsu and Leo Liu	Temperature :	16.3~24.2°C
		Relative Humidity :	33.6~57.1%



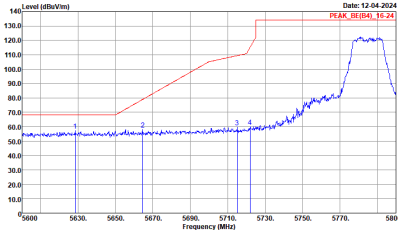
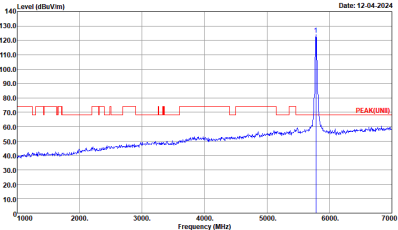
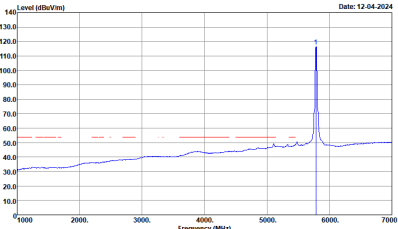
Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+3	Horizontal	Fundamental
Peak	Site : 03CH01-CA Condition : PEAK_BE(04)_10-24 3m HORN_02113_240426 HORIZONTAL RBW:1000.0000kHz VBW:3000.0000kHz SMT:Auto	Site : 03CH01-CA Condition : PEAK(LIN1) 3m HORN_02113_240426 HORIZONTAL RBW:1000.0000kHz VBW:3000.0000kHz SMT:Auto
Avg	Left blank	Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL RBW:1000.0000kHz VBW:0.0100kHz SMT:Auto

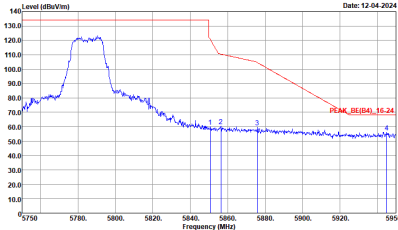


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE (04)_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK (0011) 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

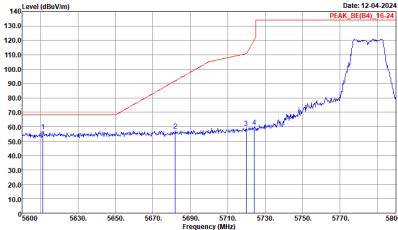
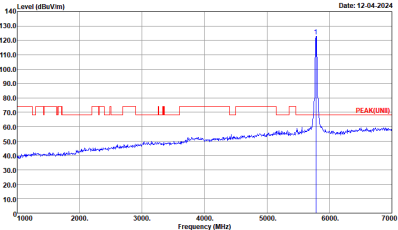
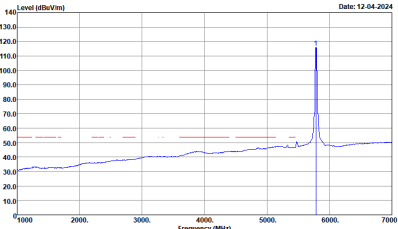


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(001) 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(04)_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3	Vertical	Fundamental
Peak	Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank



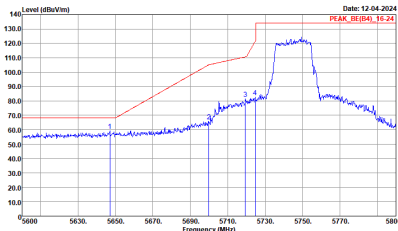
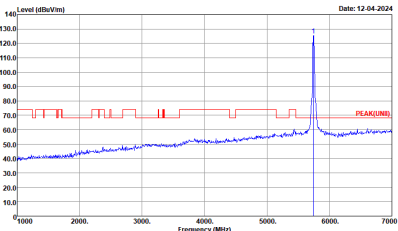
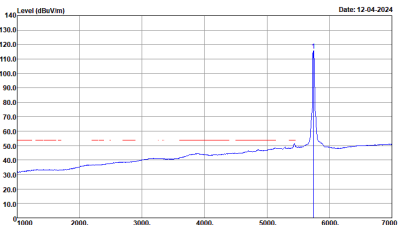
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+3	Horizontal	Fundamental
Peak	Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Site : 03CH01-CA Condition : PEAK(LNB) 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	Site : 03CH01-CA Condition : AVG_S4 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+3	Vertical	Fundamental
Peak	Site : 03CH01-CA Condition : PEAK_B4_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Site : 03CH01-CA Condition : PEAK_UWB1 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	Site : 03CH01-CA Condition : AVG_S4 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto



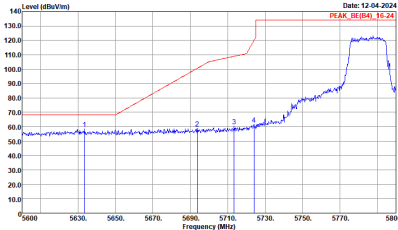
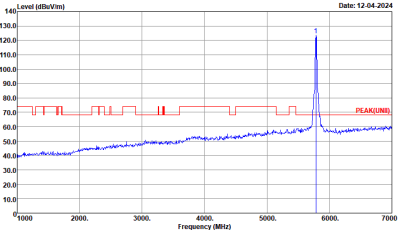
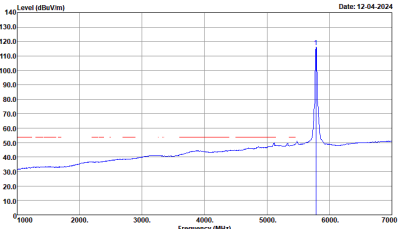
Band 4 5725~5850MHz
WIFI 802.11be EHT20 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(149)_16-24 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(149)_1 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto

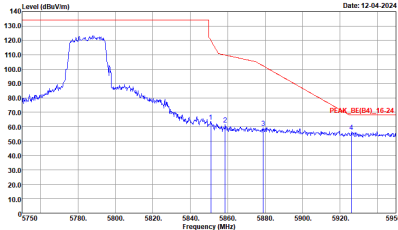


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3	Vertical	Fundamental
Peak	Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Site : 03CH01-CA Condition : PEAK(FUN) 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	Site : 03CH01-CA Condition : AVG_S4 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

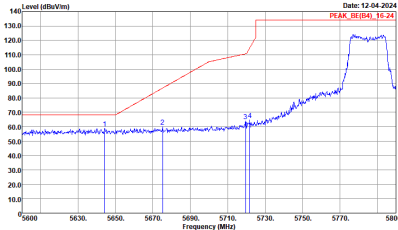
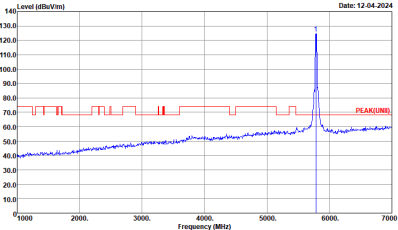
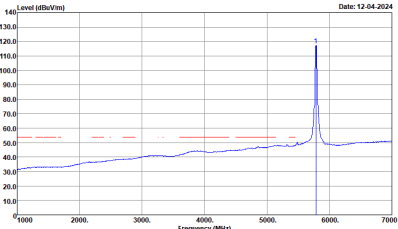


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(04)_16-24 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

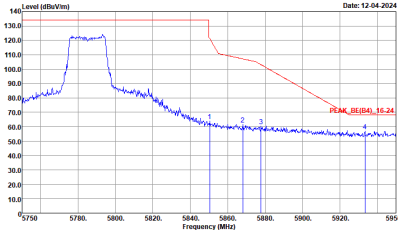


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank

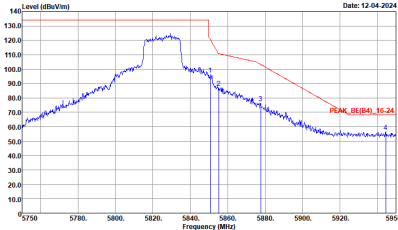
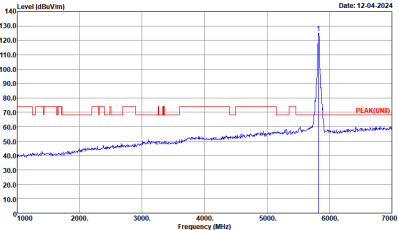
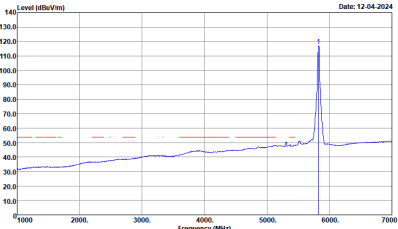


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(001) 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
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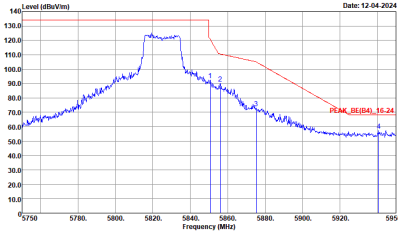
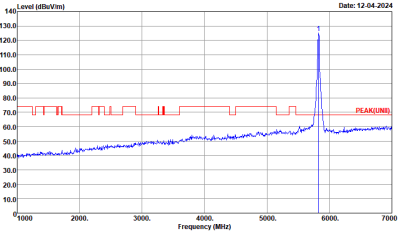
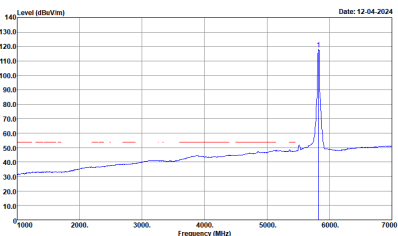


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank



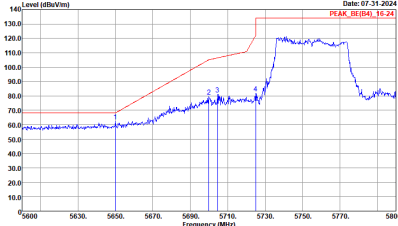
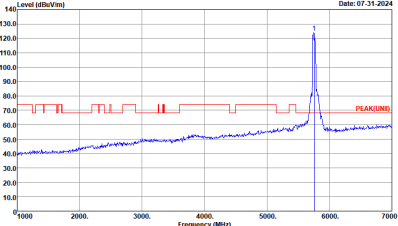
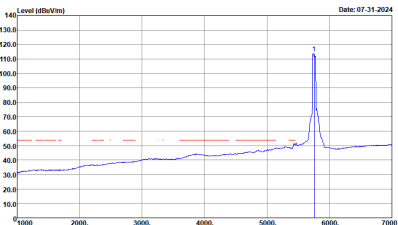
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE (04)_16-24 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK (0011) 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto



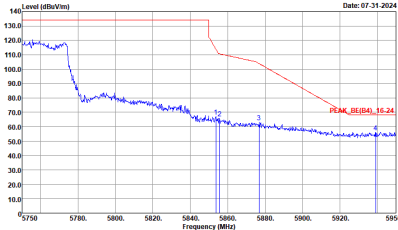
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(LNB1) 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_S4 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto



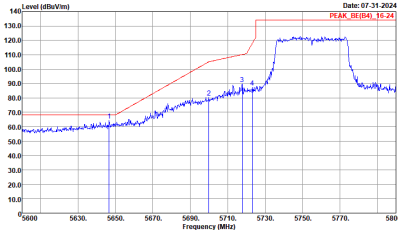
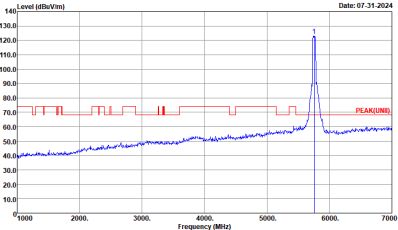
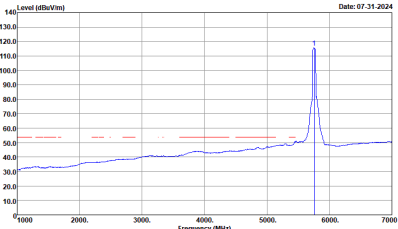
Band 4 5725~5850MHz
WIFI 802.11be EHT40 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(16)_24 3m HORN_02115_230809 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(100) 3m HORN_02115_230809 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
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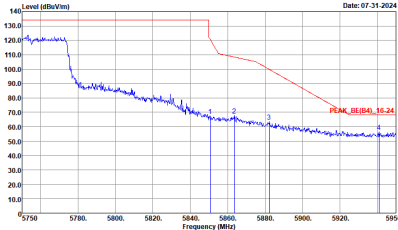


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02115_230809 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank

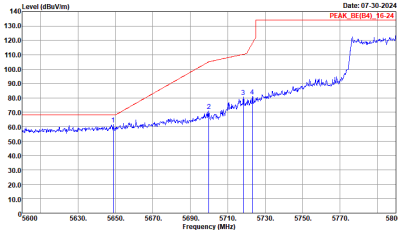
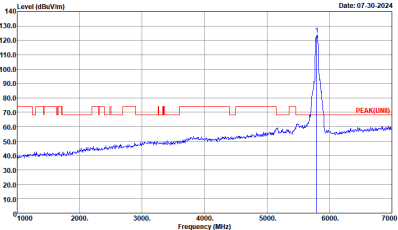
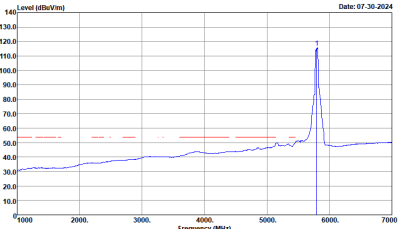


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02115_230809 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(04)_16-24 3m HORN_02115_230809 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02115_230809 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

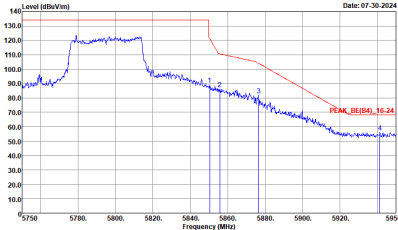


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02115_230009 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank

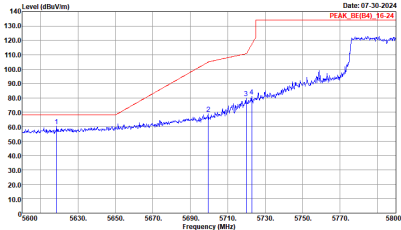
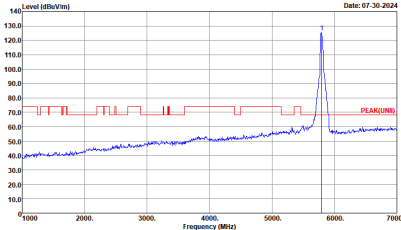
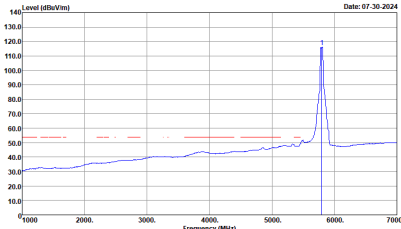


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full HT40 CH159 5795MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02115_238009 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(001) 3m HORN_02115_238009 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02115_238009 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

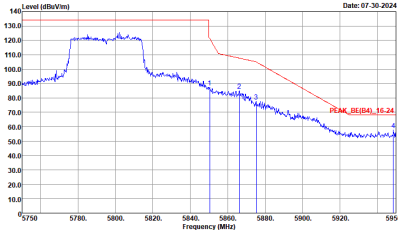


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full HT40 CH159 5795MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02115_230809 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank



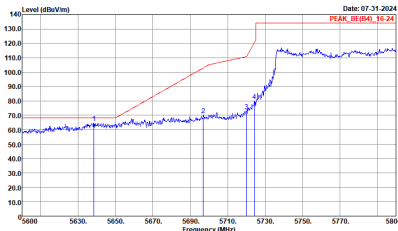
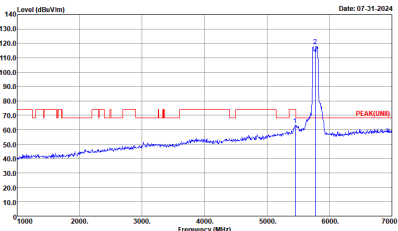
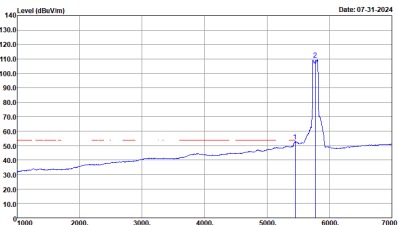
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE (04)_16-24 3m HORN_02115_230809 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK (0011) 3m HORN_02115_230809 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02115_230809 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto



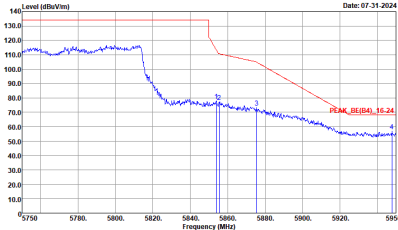
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02115_230809 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank



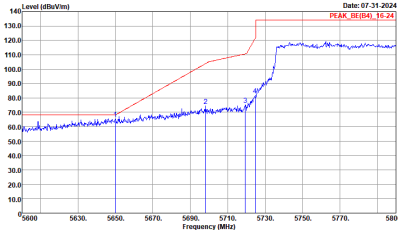
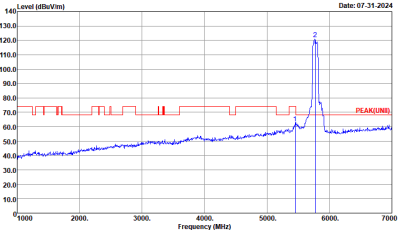
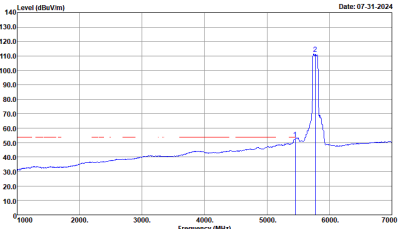
Band 4 5725~5850MHz
WIFI 802.11be EHT80 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(16-24) 3m HORN_02115_230809 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(FUND) 3m HORN_02115_230809 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02115_230809 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto

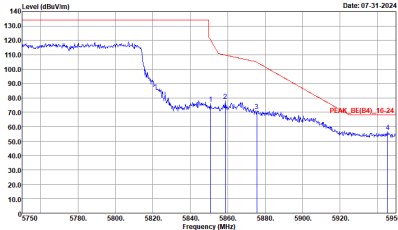


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02115_230809 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank



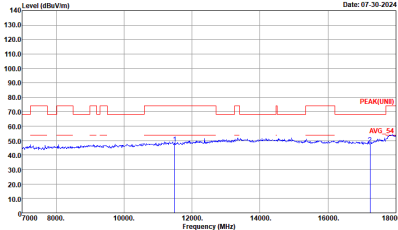
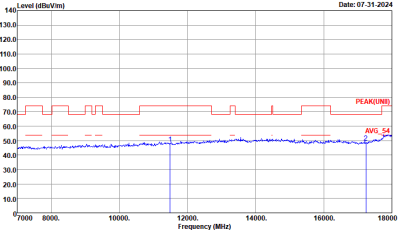
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE (04)_16-24 3m HORN_02115_230809 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK (0011) 3m HORN_02115_230809 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_S4 3m HORN_02115_230809 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02115_2300009 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank



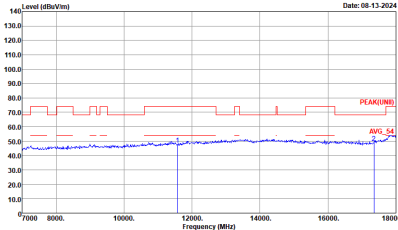
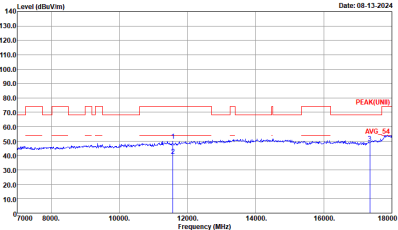
Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02113_240426 HORIZONTAL :	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02113_240426 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBV/m) Date: 07-31-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL : .	Level (dBV/m) Date: 07-31-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 VERTICAL : .

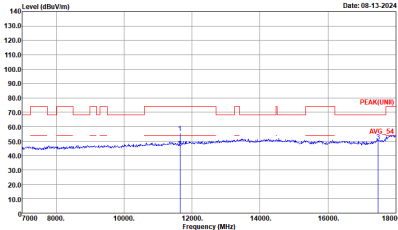
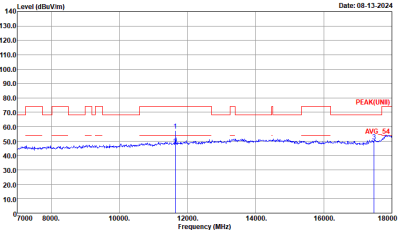


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02115_230809 HORIZONTAL :	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02115_230809 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBV/m) Date: 07-31-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02115_230809 HORIZONTAL :	Level (dBV/m) Date: 07-31-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02115_230809 VERTICAL :



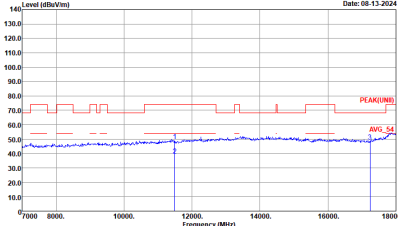
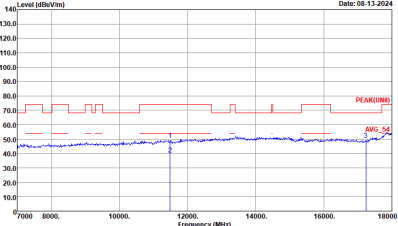
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02113_240426 HORIZONTAL :	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02113_240426 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBV/m) Date: 07-31-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL :	Level (dBV/m) Date: 07-31-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02115_230809 VERTICAL :



Band 4 5725~5850MHz
WIFI 802.11be EHT20 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02115_230809 HORIZONTAL :	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02115_230809 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBV/m) Date: 07-31-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02115_230809 HORIZONTAL :	Level (dBV/m) Date: 07-31-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02115_230809 VERTICAL :

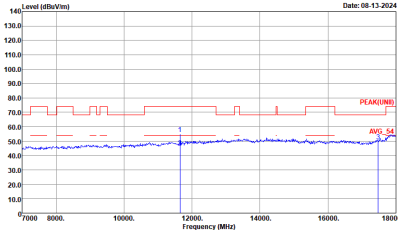
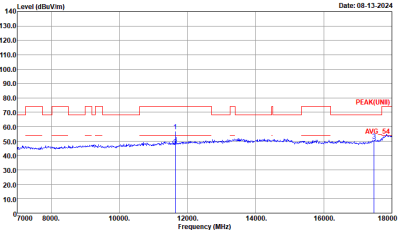


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Horizontal	Vertical
Peak Avg.	Level (dBV/m) Date: 08-13-2024 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02115_230809 HORIZONTAL :	Level (dBV/m) Date: 08-13-2024 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02115_230809 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBV/m) Date: 07-31-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02115_230809 HORIZONTAL :	Level (dBV/m) Date: 07-31-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02115_230809 VERTICAL :



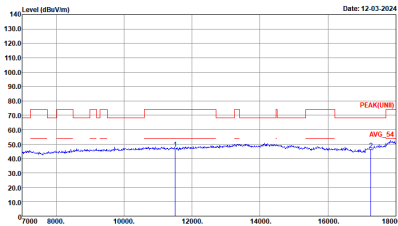
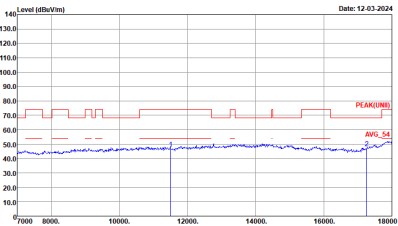
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02115_230809 HORIZONTAL :	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02115_230809 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBV/m) Date: 07-31-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02115_230809 HORIZONTAL :	Level (dBV/m) Date: 07-31-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02115_230809 VERTICAL :



Band 4 5725~5850MHz
WIFI 802.11be EHT40 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02113_240426 HORIZONTAL :	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02113_240426 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBV/m) Date: 12-03-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL :	Level (dBV/m) Date: 12-03-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 VERTICAL :



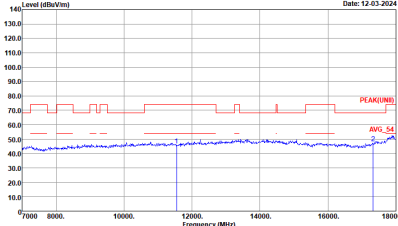
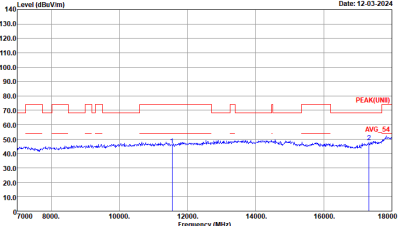
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3	Horizontal	Vertical
Peak Avg.	Level (dBV/m) Date: 12-03-2024 PEAK (Unit) AVG_54 Site : 03CH01-CA Condition : PEAK (Unit) 3m HORN_02113_240426 HORIZONTAL	Level (dBV/m) Date: 12-03-2024 PEAK (Unit) AVG_54 Site : 03CH01-CA Condition : PEAK (Unit) 3m HORN_02113_240426 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBV/m) Date: 12-03-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL :	Level (dBV/m) Date: 12-03-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 VERTICAL :



Band 4 5725~5850MHz
WIFI 802.11be EHT80 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02113_240426 HORIZONTAL :	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN_02113_240426 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBV/m) Date: 12-03-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL :	Level (dBV/m) Date: 12-03-2024 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 VERTICAL :

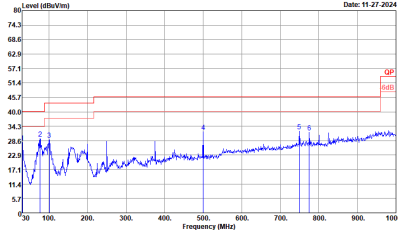
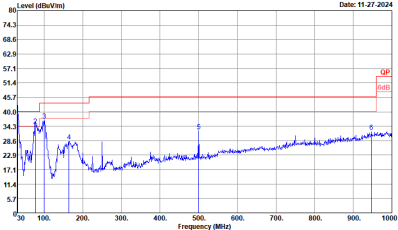


Emission above 18GHz
5GHz WIFI 802.11be EHT80 Full (SHF @ 1m)

WIFI	5GHz WIFI	
ANT	802.11be EHT80 Full SHF	
1+3	Horizontal	Vertical
Peak Avg.	Level (dBm/Hz) Date: 11-28-2024 Site : 03CH01-CA Condition : PEAK (UNIT) 1m SHF_HORN_841_240807 HORIZONTAL	Level (dBm/Hz) Date: 11-28-2024 Site : 03CH01-CA Condition : PEAK (UNIT) 1m SHF_HORN_841_240807 VERTICAL

Emission below 1GHz

5GHz WIFI 802.11be EHT80 Full (LF @ 3m)

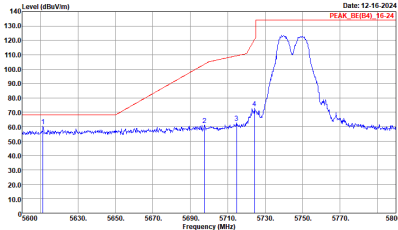
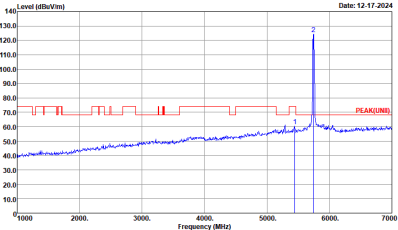
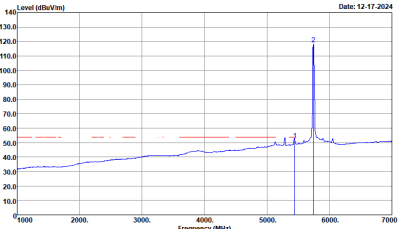
WIFI	5GHz WIFI	
ANT	802.11be EHT80 Full LF	
1+3	Horizontal	Vertical
QP / Peak	 Site : 03CH01-CA Condition : QP 3m BILOG_50392_240813 HORIZONTAL	 Site : 03CH01-CA Condition : QP 3m BILOG_50392_240813 VERTICAL



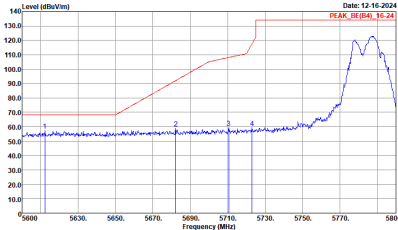
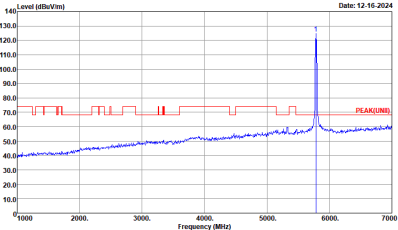
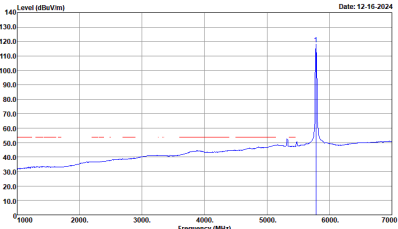
Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+3+2+4	Horizontal	Fundamental
Peak	Site : 03CH01-CA Condition : PEAK_RE(04)_16-24 3m HORN_02113_240426 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SMT:Auto	Site : 03CH01-CA Condition : PEAK_LIN(01)_3m HORN_02113_240426 HORIZONTAL RBW:1000.0000Hz VBW:3000.0000Hz SMT:Auto
Avg	Left blank	Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL RBW:1000.0000Hz VBW:0.0100Hz SMT:Auto

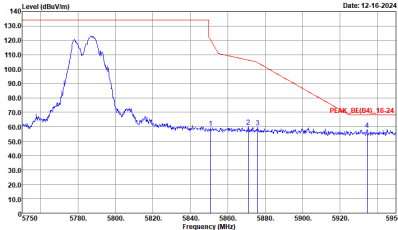


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+3+2+4	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(001) 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

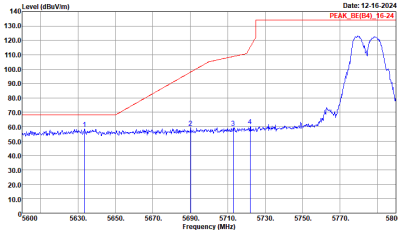
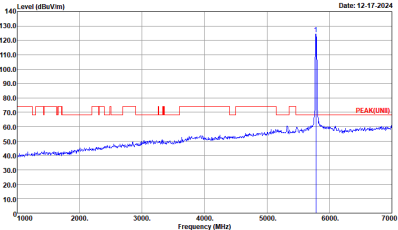
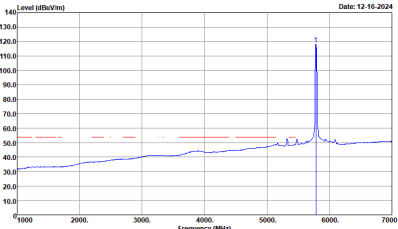


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3+2+4	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(001) 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

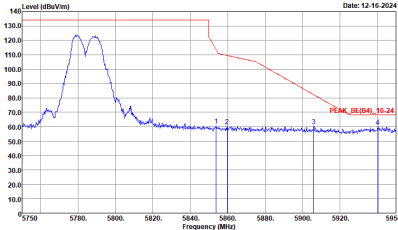


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3+2+4	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Left blank

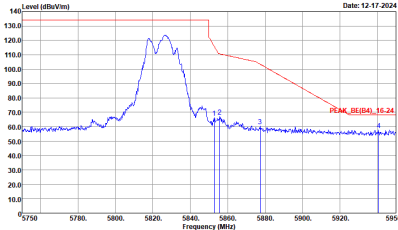
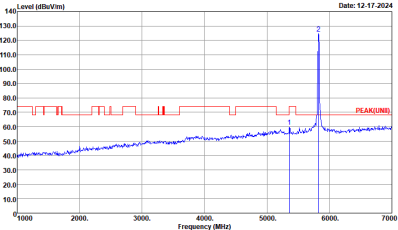
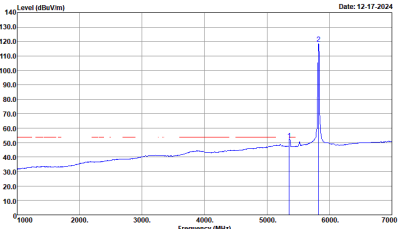


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3+2+4	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(001) 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

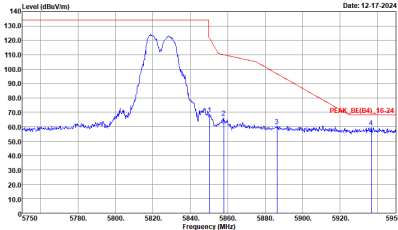
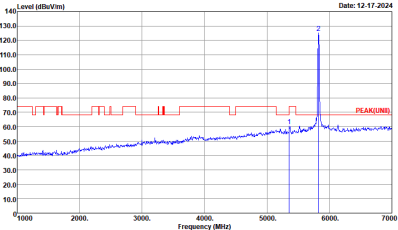
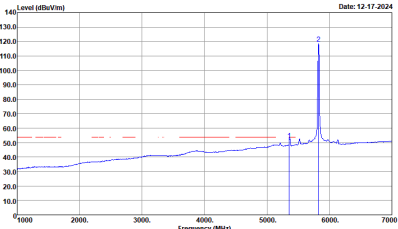


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3+2+4	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank



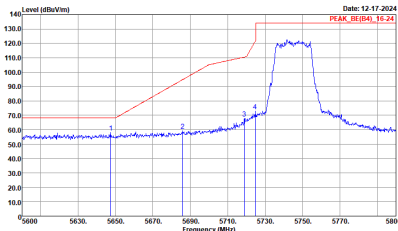
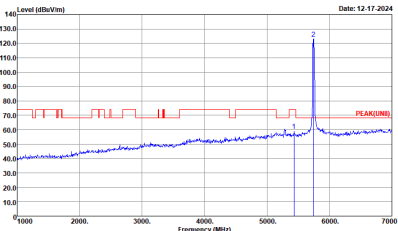
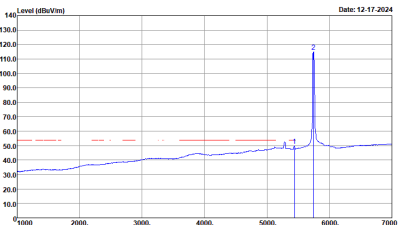
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+3+2+4	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_B4(04)_16-24 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(LNB1) 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto



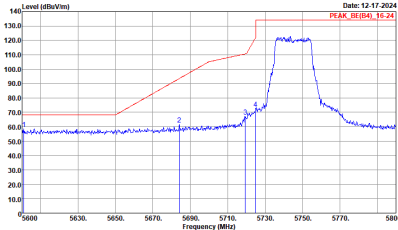
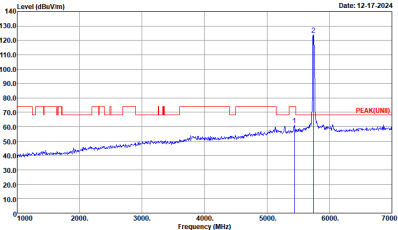
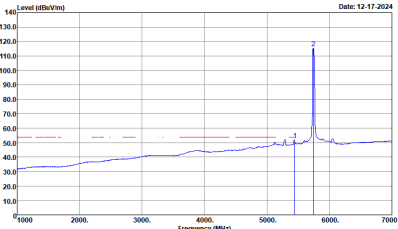
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+3+2+4	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_B4(04)_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(LNB) 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_S4 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto



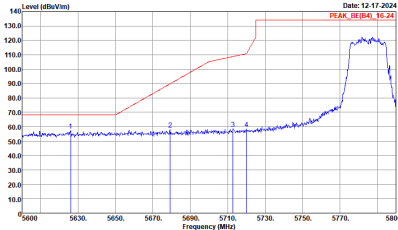
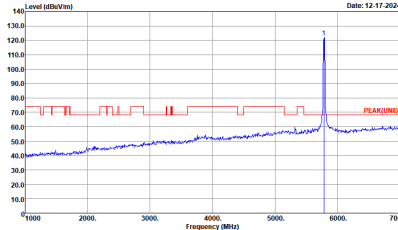
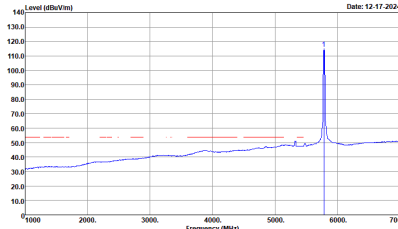
Band 4 5725~5850MHz
WIFI 802.11be EHT20 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3+2+4	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(84)_16-24 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(FUND) 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_54 3m HORN_02113_240426 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto

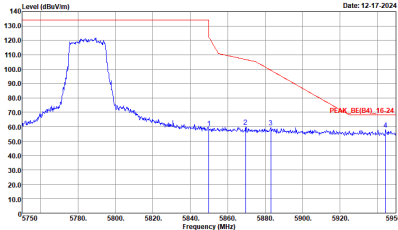


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3+2+4	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(04)_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
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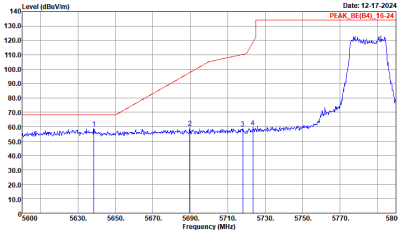
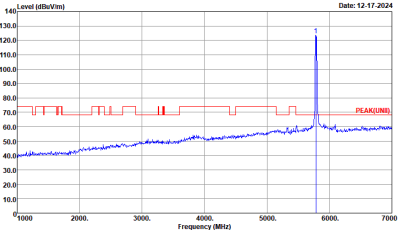
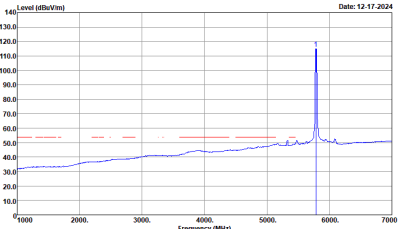


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3+2+4	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(LIN1) 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_S4 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3+2+4	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3+2+4	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH01-CA Condition : PEAK(FR11) 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH01-CA Condition : AVG_S4 3m HORN_02113_240426 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto