



FCC RADIO TEST REPORT

FCC ID : S9GR670
Equipment : R670 Access Point
Brand Name : RUCKUS
Model Name : R670
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 Aug. 28, 2024 and testing was performed from Aug. 30, 2024 to Oct. 25, 2024. 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 variant 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
FR240104006-02B	01	Initial issue of report	Nov. 14, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	15.403(i)	6dB & 26dB Bandwidth	Pass	See Note
-	2.1049	99% Occupied Bandwidth	Pass	See Note
3.1	15.407(a)	Maximum Conducted Output Power	Pass	-
-	15.407(a)	Power Spectral Density	Pass	See Note
3.2	15.407(b)	Unwanted Emissions	Pass	1.03 dB under the limit at 11650.00 MHz
-	15.207	AC Conducted Emission	Pass	See Note
3.3	15.203	Antenna Requirement	Pass	-

Note: This is a variant report by pin to pin add a new RF filter and change of small components, such as Resistor, Capacitors, and inductors. All the test cases were performed on original report which can be referred to Sporton Report Number FR240104006E. Based on the original report, the test cases were verified.

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 Bluetooth - LE, 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 ZigBee.			
Antenna Type Bluetooth – LE: Omni-Directional Antenna WLAN: <Ant. 1>: Omni-Directional Antenna <Ant. 2>: Omni-Directional Antenna <Ant. 3>: Omni-Directional Antenna <Ant. 4>: Omni-Directional Antenna ZigBee: Omni-Directional Antenna			
Antenna information			
5745 MHz ~ 5825 MHz	Peak Gain (dBi)	Horizontal	<Ant. 2>: 1.7 <Ant. 3>: 3.3
		Vertical	<Ant. 1>: 2.9 <Ant. 4>: 2.7

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. Channel puncturing is not implemented.
4. 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 F)2)c)i)

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

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

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

	Vertical	Horizontal	DG for	DG for	Power Limit	PSD Limit
	Ant 1	Ant 3	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	2.90	3.30	3.30	3.30	0.00	0.00

Calculation example:

If a device has two cross-polarized antenna, $G_{ANT1} = 2.90\text{dBi}$; $G_{ANT3} = 3.30\text{dBi}$

Directional gain of power measurement = $\max(2.90, 3.30) = 3.30\text{ dBi}$

Directional gain of PSD measurement = $\max(2.90, 3.30) = 3.30\text{ dBi}$

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

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

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

- (i) Cross-polarized antennas with $N_{ANT} = 4$. 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 4	Ant 2	for	for	Limit	Limit
	(dBi)	(dBi)	(dBi)	(dBi)	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	2.90	3.30	2.70	1.70	3.30	5.81	0.00	0.00

Calculation example:

If a device has four cross-polarized antenna,

$G_{ANT1} = 2.90\text{dBi}$; $G_{ANT3} = 3.30\text{dBi}$; $G_{ANT4} = 2.70\text{dBi}$, $G_{ANT2} = 1.70\text{dBi}$,

Directional gain of power measurement = $\max(2.90, 3.30, 2.70, 1.70) = 3.30\text{ dBi}$

Directional gain of PSD measurement = $\max(\text{Vertical DG}(2.90, 3.30), \text{Horizontal DG}(2.70, 1.70))$
 $= 5.81\text{ dBi}$

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, 03CH02-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: 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.

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

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
802.11be EHT20	MCS0
802.11be EHT40	MCS0
802.11be EHT80	MCS0

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

MIMO <Ant. 1+3>

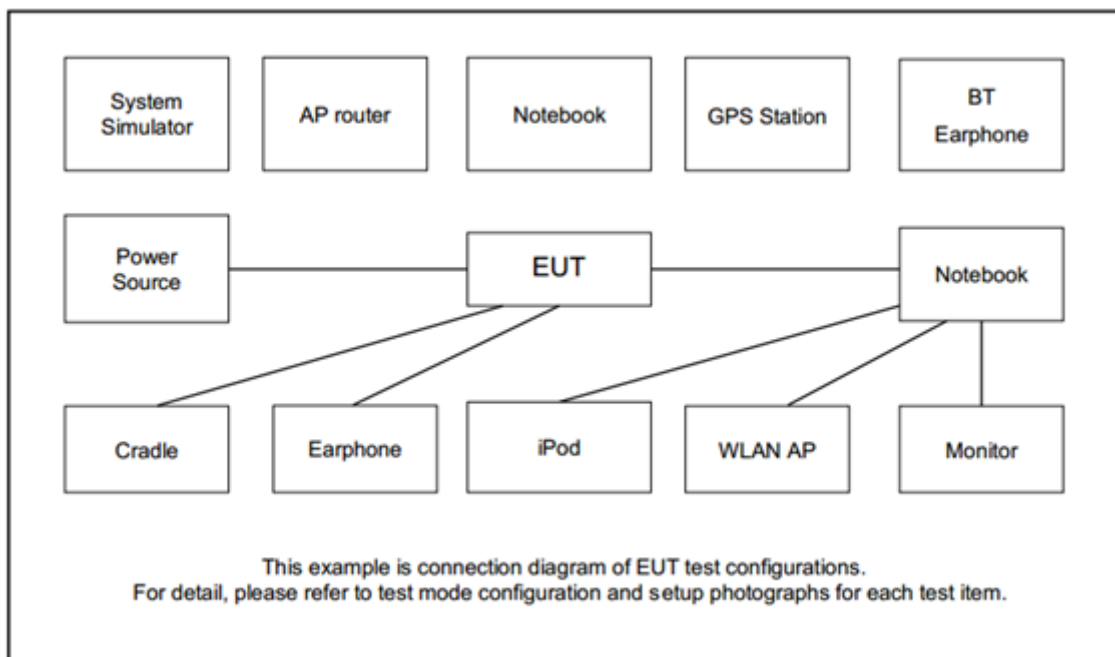
Ch. #		Band IV : 5725-5850 MHz			
		802.11a	802.11be EHT20	802.11be EHT40	802.11be EHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

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

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	Latitude 5410	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	PoE Adapter	RUCKUS	740-64310-001	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility "QSPR Version 5.14.00227.1", "QSPR Version 6.00.00146.1", "Tera Term 4.106", "Tera Term 4.95", "QUTS Version 1.8.2.51" and "QUTS Version 1.16.2.12" 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.

3 Test Result

3.1 Maximum Conducted Output Power Measurement

3.1.1 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.

3.1.2 Measuring Instruments

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

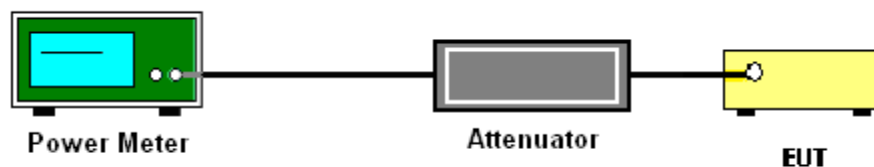
3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.2 Unwanted Emissions Measurement

3.2.1 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.

3.2.2 Measuring Instruments

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

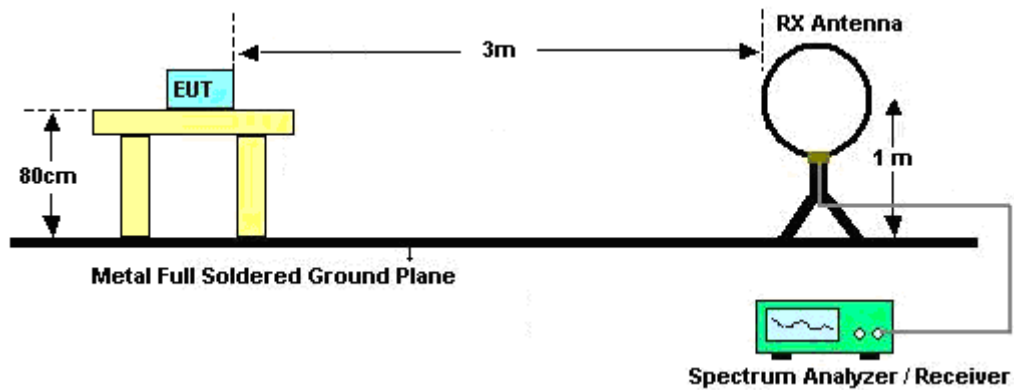
3.2.3 Test Procedures

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.

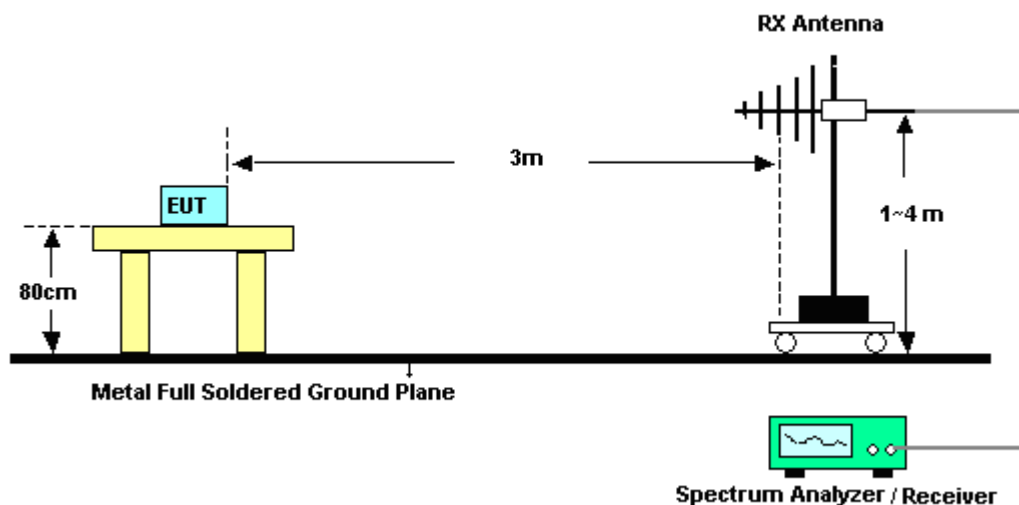
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit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

3.2.4 Test Setup

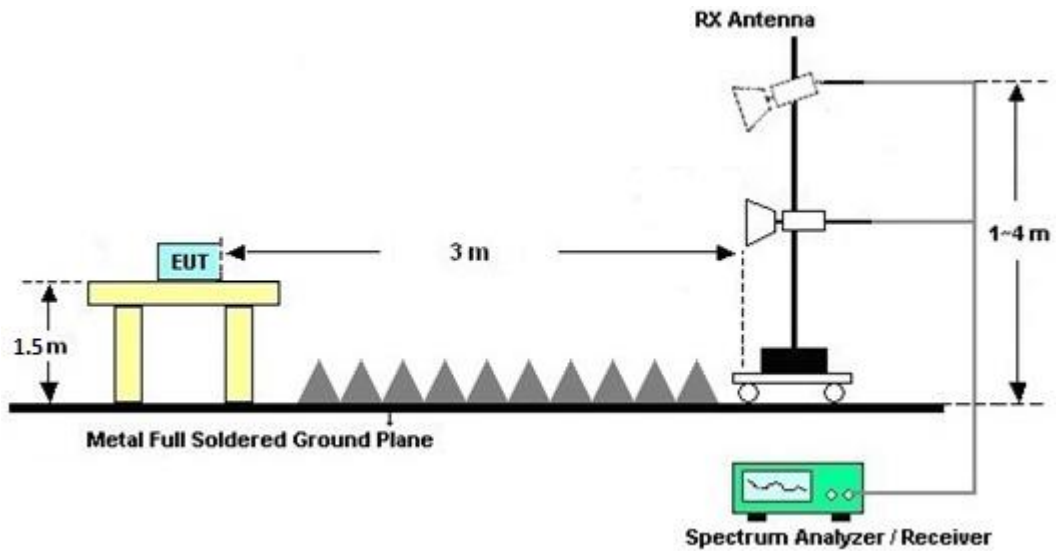
For radiated emissions below 30MHz



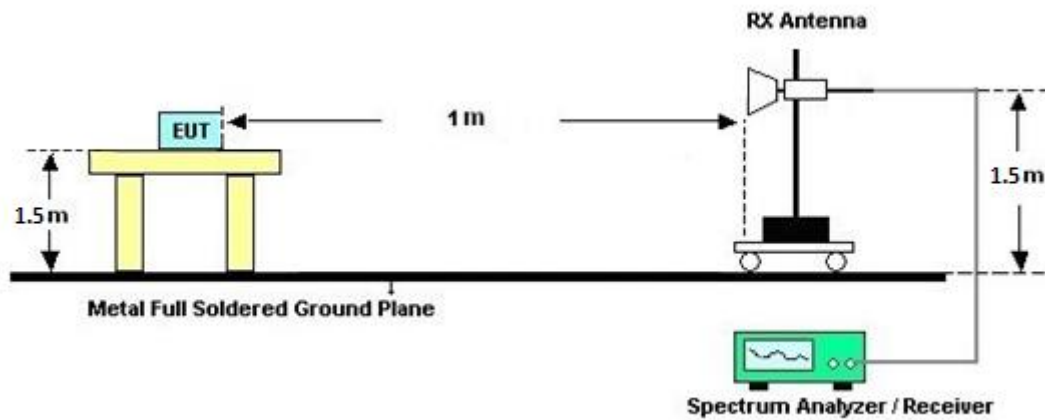
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz





3.2.5 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.

3.2.6 Test Result of Radiated Band Edges

Please refer to Appendix B and C.

3.2.7 Duty Cycle

Please refer to Appendix D.

3.2.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix B and C.



3.3 Antenna Requirements

3.3.1 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.

3.3.2 Antenna Anti-Replacement Construction

Unique (non-standard) antenna connector.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	45141354	N/A	Aug. 14, 2024	Sep. 03, 2024~ Oct. 25, 2024	Aug. 13, 2025	Conducted (TH01-CA)
Power Sensor	DARE!!	RPR3006W #10	RPR6W-2101 003	10MHz~8GHz	Apr. 25, 2024	Sep. 03, 2024~ Sep. 24, 2024	Apr. 24, 2025	Conducted (TH01-CA)
Power Sensor	DARE!!	RPR3006W	RPR8W-2301 002	10MHz~8GHz	Feb. 22, 2024	Oct. 25, 2024	Feb. 21, 2025	Conducted (TH01-CA)
Switch Box	EM Electronics	EMSW18	1070901	N/A	Jul. 16, 2024	Sep. 03, 2024~ Sep. 24, 2024	Jul. 15, 2025	Conducted (TH01-CA)
Switch Box	EM Electronics	EMSW26	1090304	N/A	Oct. 04, 2024	Oct. 25, 2024	Oct. 03, 2025	Conducted (TH01-CA)
Bilog Antenna	TESEQ	6111D	54683	30MHz~1GHz	Nov. 13, 2023	Aug. 30, 2024~ Oct. 24, 2024	Nov. 12, 2024	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBE CK	BBHA 9120D	02113	1GHz~18GHz	Apr. 26, 2024	Aug. 30, 2024~ Oct. 24, 2024	Apr. 25, 2025	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBE CK	BBHA 9120D	02140	1GHz~18GHz	Jan. 29, 2024	Aug. 30, 2024~ Oct. 24, 2024	Jan. 28, 2025	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBE CK	BBHA9170	00841	18GHz~40GHz	Aug. 07, 2024	Aug. 30, 2024~ Oct. 24, 2024	Aug. 06, 2025	Radiation (03CH02-CA)
Amplifier	SONOMA	310N	372240	N/A	Apr. 24, 2024	Aug. 30, 2024~ Oct. 24, 2024	Apr. 23, 2025	Radiation (03CH02-CA)
Preamplifier	Keysight	83017A	MY53270323	1GHz~26.5GHz	Apr. 24, 2024	Aug. 30, 2024~ Oct. 24, 2024	Apr. 23, 2025	Radiation (03CH02-CA)
Preamplifier	E-instrument	ERA-100M-18 G-56-01-A70	EC1900252	1GHz~18GHz	Apr. 25, 2024	Aug. 30, 2024~ Oct. 24, 2024	Apr. 24, 2025	Radiation (03CH02-CA)
Preamplifier	EMEC	EMC18G40G	060725	18GHz~40GHz	Apr. 24, 2024	Aug. 30, 2024~ Oct. 24, 2024	Apr. 23, 2025	Radiation (03CH02-CA)
RF Cable	HUBER+SUH NER	SUCOFLEX 102	804209/2, 802406/2, 802875/2, 802952/2	N/A	Oct. 13, 2023	Aug. 30, 2024~ Oct. 11, 2024	Oct. 12, 2024	Radiation (03CH02-CA)
RF Cable	HUBER+SUH NER	SUCOFLEX 102	804209/2, 802406/2, 802875/2, 802952/2	N/A	Oct. 10, 2024	Oct. 11, 2024~ Oct. 24, 2024	Oct. 09, 2025	Radiation (03CH02-CA)
High Pass Filter	WOKEN	WFIL-H8000-2 5000F-01	WR32BNW2B 1	8G~25G	Jun. 04, 2024	Aug. 30, 2024~ Oct. 24, 2024	Jun. 03, 2025	Radiation (03CH02-CA)
Filter	Wainwright	WLK12-1200-1 272-11000-40 SS	SN2	1.2GHz Low Pass Filter	Jun. 04, 2024	Aug. 30, 2024~ Oct. 24, 2024	Jun. 03, 2025	Radiation (03CH02-CA)
Hygrometer	TESEO	608-H1	45142602	N/A	Aug. 14, 2024	Aug. 30, 2024~ Oct. 24, 2024	Aug. 13, 2025	Radiation (03CH02-CA)
Controller	ChainTek	EM-1000	060876	NA	N/A	Aug. 30, 2024~ Oct. 24, 2024	N/A	Radiation (03CH02-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Aug. 30, 2024~ Oct. 24, 2024	N/A	Radiation (03CH02-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Aug. 30, 2024~ Oct. 24, 2024	N/A	Radiation (03CH02-CA)
Software	Audix	E3	N/A	N/A	N/A	Aug. 30, 2024~ Oct. 24, 2024	N/A	Radiation (03CH02-CA)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.0 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.4 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

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

<2x2 Mode>

Test Engineer:	Sharon Chen	Temperature:	21.9~25.2	°C
Test Date:	2024/09/03~2024/09/24	Relative Humidity:	48.7~55.9	%

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	22.01	22.09	25.06	30.00		3.30		Pass
11a	6Mbps	2	157	5785	21.40	21.61	24.52	30.00		3.30		Pass
11a	6Mbps	2	165	5825	21.13	21.41	24.28	30.00		3.30		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	21.49	21.88	24.70	30.00		3.30		Pass
EHT20	MCS0	2	157	5785	Full	21.59	21.76	24.69	30.00		3.30		Pass
EHT20	MCS0	2	165	5825	Full	20.67	21.15	23.93	30.00		3.30		Pass
EHT40	MCS0	2	151	5755	Full	22.02	22.05	25.05	30.00		3.30		Pass
EHT40	MCS0	2	159	5795	Full	21.30	21.50	24.41	30.00		3.30		Pass
EHT80	MCS0	2	155	5775	Full	21.54	21.58	24.57	30.00		3.30		Pass

<4x4 Mode>

Test Engineer	Venkata Kondepudi	Temperature	20.5	°C
Test Date	2024/10/25	Relative Humidity	37.3	%

TEST RESULTS DATA
Average Power Table

Band IV MIMO 4Tx Mode Ant 1 + 3 + 4 + 2												
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 4	Ant 2	SUM	Ant 1 + 3 + 4 + 2	Ant 1 + 3 + 4 + 2	
11a	6Mbps	4	149	5745	22.32	22.47	22.28	22.51	28.42	30.00	3.30	Pass
11a	6Mbps	4	157	5785	21.80	21.99	21.98	22.21	28.02	30.00	3.30	Pass
11a	6Mbps	4	165	5825	22.00	22.18	22.16	22.28	28.18	30.00	3.30	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO 4Tx Mode Ant 1 + 3 + 4 + 2													
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 4	Ant 2	SUM			
EHT20	MCS0	4	149	5745	Full	22.53	22.59	22.40	22.72	28.58	30.00	3.30	Pass
EHT20	MCS0	4	157	5785	Full	21.92	22.05	22.08	22.44	28.15	30.00	3.30	Pass
EHT20	MCS0	4	165	5825	Full	22.09	22.11	22.19	22.41	28.22	30.00	3.30	Pass
EHT40	MCS0	4	151	5755	Full	22.35	22.34	22.37	22.51	28.41	30.00	3.30	Pass
EHT40	MCS0	4	159	5795	Full	21.61	21.74	21.81	22.06	27.83	30.00	3.30	Pass
EHT80	MCS0	4	155	5775	Full	21.64	21.58	21.64	21.86	27.70	30.00	3.30	Pass



Appendix B. Radiated Spurious Emission

Test Engineer :	Minh Nguyen, Thinh Hoang, Renz Roxas, Jesse Fan, Fred Tseng and Bill Chang	Temperature :	20.5~23.8°C
		Relative Humidity :	41.5~54.8%

<2x2 MIMO>

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		5633.4	55.85	-12.35	68.2	39.79	33.12	12.88	29.94	301	239	P	H
		5700	59.39	-45.81	105.2	43.08	33.32	12.94	29.95	301	239	P	H
		5720	74.5	-36.3	110.8	58.05	33.44	12.96	29.95	301	239	P	H
		5724.4	78.84	-41.99	120.83	62.35	33.47	12.97	29.95	301	239	P	H
	*	5745	117.91	-	-	101.29	33.59	12.99	29.96	301	239	P	H
	*	5745	110.9	-	-	94.28	33.59	12.99	29.96	301	239	A	H
													H
													H
		5617.4	56.29	-11.91	68.2	40.27	33.09	12.87	29.94	200	113	P	V
		5696.2	56.69	-45.71	102.4	40.39	33.31	12.94	29.95	200	113	P	V
		5717.6	65.34	-44.79	110.13	48.9	33.43	12.96	29.95	200	113	P	V
		5723	67.91	-49.73	117.64	51.43	33.46	12.97	29.95	200	113	P	V
	*	5745	115.78	-	-	99.16	33.59	12.99	29.96	200	113	P	V
	*	5745	108.66	-	-	92.04	33.59	12.99	29.96	200	113	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		5617.2	56.05	-12.15	68.2	40.03	33.09	12.87	29.94	363	71	P	H
		5691.6	55.54	-43.47	99.01	39.26	33.29	12.94	29.95	363	71	P	H
		5718.4	56.03	-54.32	110.35	39.59	33.43	12.96	29.95	363	71	P	H
		5722.4	54.97	-61.3	116.27	38.49	33.46	12.97	29.95	363	71	P	H
	*	5785	108.16	-	-	91.24	33.86	13.03	29.97	363	71	P	H
	*	5785	101.33	-	-	84.41	33.86	13.03	29.97	363	71	A	H
		5852.2	57.23	-59.95	117.18	40.07	34.08	13.09	30.01	363	71	P	H
		5860.8	56.98	-52.19	109.17	39.79	34.1	13.1	30.01	363	71	P	H
		5910.2	57.59	-21.53	79.12	40.26	34.18	13.16	30.01	363	71	P	H
		5948	56.74	-11.46	68.2	39.36	34.21	13.2	30.03	363	71	P	H
													H
													H
		5632.4	56.01	-12.19	68.2	39.95	33.12	12.88	29.94	200	111	P	V
		5671.8	56.19	-28.18	84.37	40	33.22	12.92	29.95	200	111	P	V
		5707.8	57.19	-50.2	107.39	40.82	33.37	12.95	29.95	200	111	P	V
		5724.8	56.36	-65.38	121.74	39.87	33.47	12.97	29.95	200	111	P	V
	*	5785	116.35	-	-	99.43	33.86	13.03	29.97	200	111	P	V
	*	5785	109.24	-	-	92.32	33.86	13.03	29.97	200	111	A	V
		5853.2	57.59	-57.31	114.9	40.42	34.08	13.1	30.01	200	111	P	V
		5856.6	57.88	-52.47	110.35	40.7	34.09	13.1	30.01	200	111	P	V
		5885.8	57.28	-39.9	97.18	40.02	34.14	13.13	30.01	200	111	P	V
		5947.4	57.46	-10.74	68.2	40.09	34.21	13.19	30.03	200	111	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	114.13	-	-	97.03	34.02	13.07	29.99	340	236	P	H
	*	5825	107.18	-	-	90.08	34.02	13.07	29.99	340	236	A	H
		5853.4	72.32	-42.13	114.45	55.15	34.08	13.1	30.01	340	236	P	H
		5858	69.63	-40.33	109.96	52.45	34.09	13.1	30.01	340	236	P	H
		5882.8	58.01	-41.4	99.41	40.75	34.14	13.13	30.01	340	236	P	H
		5941.6	57.89	-10.31	68.2	40.53	34.2	13.19	30.03	340	236	P	H
													H
													H
	*	5825	118.23	-	-	101.13	34.02	13.07	29.99	200	109	P	V
	*	5825	109.18	-	-	92.08	34.02	13.07	29.99	200	109	A	V
		5853.4	73.98	-40.47	114.45	56.81	34.08	13.1	30.01	200	109	P	V
		5857.2	72.95	-37.23	110.18	55.77	34.09	13.1	30.01	200	109	P	V
		5882.2	57.6	-42.25	99.85	40.34	34.14	13.13	30.01	200	109	P	V
		5935.4	56.58	-11.62	68.2	39.22	34.2	13.18	30.02	200	109	P	V
													V
													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	46.5	-27.5	74	56.12	39.19	18.67	67.48	-	-	P	H
		17235	47.71	-20.49	68.2	53.81	38.39	23.32	67.81	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	46.94	-27.06	74	56.56	39.19	18.67	67.48	-	-	P	V
		17235	49.16	-19.04	68.2	55.26	38.39	23.32	67.81	300	198	P	V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		11570	50.36	-23.64	74	59.91	39.04	18.73	67.32	234	234	P	H
		11570	40.8	-13.2	54	50.35	39.04	18.73	67.32	234	234	A	H
		17355	54.78	-13.42	68.2	60.6	38.67	23.42	67.91	253	111	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	46.97	-27.03	74	56.52	39.04	18.73	67.32	-	-	P	V
		17355	50.93	-17.27	68.2	56.75	38.67	23.42	67.91	400	215	P	V
													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		5646.6	56.47	-11.73	68.2	40.39	33.14	12.89	29.95	300	239	P	H
		5696.6	60.41	-42.28	102.69	44.11	33.31	12.94	29.95	300	239	P	H
		5719.2	82.15	-28.43	110.58	65.7	33.44	12.96	29.95	300	239	P	H
		5724.4	83.67	-37.16	120.83	67.18	33.47	12.97	29.95	300	239	P	H
	*	5745	117.93	-	-	101.31	33.59	12.99	29.96	300	239	P	H
	*	5745	110.8	-	-	94.18	33.59	12.99	29.96	300	239	A	H
													H
													H
		5643.2	56.33	-11.87	68.2	40.26	33.13	12.89	29.95	200	109	P	V
		5697.8	59.4	-44.18	103.58	43.09	33.32	12.94	29.95	200	109	P	V
		5717.8	70.81	-39.37	110.18	54.37	33.43	12.96	29.95	200	109	P	V
		5721.4	69.08	-44.91	113.99	52.61	33.45	12.97	29.95	200	109	P	V
	*	5745	115.97	-	-	99.35	33.59	12.99	29.96	200	109	P	V
	*	5745	108.39	-	-	91.77	33.59	12.99	29.96	200	109	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		5628.2	56.52	-11.68	68.2	40.47	33.11	12.88	29.94	313	237	P	H
		5690.2	56.46	-41.51	97.97	40.18	33.29	12.94	29.95	313	237	P	H
		5716.8	59.58	-50.33	109.91	43.15	33.42	12.96	29.95	313	237	P	H
		5724	63.74	-56.18	119.92	47.25	33.47	12.97	29.95	313	237	P	H
	*	5785	118.59	-	-	101.67	33.86	13.03	29.97	313	237	P	H
	*	5785	110.75	-	-	93.83	33.86	13.03	29.97	313	237	A	H
		5850.4	63.65	-57.64	121.29	46.5	34.07	13.09	30.01	313	237	P	H
		5855.4	61.73	-48.96	110.69	44.56	34.08	13.1	30.01	313	237	P	H
		5883	58.26	-41	99.26	41	34.14	13.13	30.01	313	237	P	H
		5949.4	57.3	-10.9	68.2	39.92	34.21	13.2	30.03	313	237	P	H
													H
													H
		5611.2	56.33	-11.87	68.2	40.32	33.08	12.86	29.93	200	111	P	V
		5668.6	55.99	-26.01	82	39.81	33.21	12.92	29.95	200	111	P	V
		5715.2	56.99	-52.47	109.46	40.57	33.41	12.96	29.95	200	111	P	V
		5723.6	57.39	-61.62	119.01	40.91	33.46	12.97	29.95	200	111	P	V
	*	5785	116.99	-	-	100.07	33.86	13.03	29.97	200	111	P	V
	*	5785	109.03	-	-	92.11	33.86	13.03	29.97	200	111	A	V
		5851.6	58.2	-60.35	118.55	41.04	34.08	13.09	30.01	200	111	P	V
		5861	57.51	-51.61	109.12	40.32	34.1	13.1	30.01	200	111	P	V
		5884.8	58.13	-39.79	97.92	40.87	34.14	13.13	30.01	200	111	P	V
		5938.2	57.7	-10.5	68.2	40.34	34.2	13.19	30.03	200	111	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	118.37	-	-	101.27	34.02	13.07	29.99	323	241	P	H
	*	5825	110.93	-	-	93.83	34.02	13.07	29.99	323	241	A	H
		5850	81.2	-41	122.2	64.05	34.07	13.09	30.01	323	241	P	H
		5855.6	77.15	-33.48	110.63	59.98	34.08	13.1	30.01	323	241	P	H
		5875.2	61.59	-43.46	105.05	44.36	34.12	13.12	30.01	323	241	P	H
		5942.6	58.05	-10.15	68.2	40.69	34.2	13.19	30.03	323	241	P	H
													H
													H
	*	5825	116.36	-	-	99.26	34.02	13.07	29.99	200	110	P	V
	*	5825	108.86	-	-	91.76	34.02	13.07	29.99	200	110	A	V
		5851.2	76.99	-42.47	119.46	59.83	34.08	13.09	30.01	200	110	P	V
		5856.2	75.43	-35.03	110.46	58.25	34.09	13.1	30.01	200	110	P	V
		5877.6	59.1	-44.17	103.27	41.86	34.13	13.12	30.01	200	110	P	V
		5933	56.94	-11.26	68.2	39.58	34.2	13.18	30.02	200	110	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]

[illegible]

[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		5646	57.93	-10.27	68.2	41.85	33.14	12.89	29.95	307	238	P	H
		5696.8	74.28	-28.56	102.84	57.98	33.31	12.94	29.95	307	238	P	H
		5719	83.34	-27.18	110.52	66.89	33.44	12.96	29.95	307	238	P	H
		5723	85.89	-31.75	117.64	69.41	33.46	12.97	29.95	307	238	P	H
	*	5755	114.57	-	-	97.88	33.65	13	29.96	307	238	P	H
	*	5755	106.72	-	-	90.03	33.65	13	29.96	307	238	A	H
		5851.2	62.75	-56.71	119.46	45.59	34.08	13.09	30.01	307	238	P	H
		5857.2	63.52	-46.66	110.18	46.34	34.09	13.1	30.01	307	238	P	H
		5878.2	58.58	-44.24	102.82	41.34	34.13	13.12	30.01	307	238	P	H
		5941.6	57.34	-10.86	68.2	39.98	34.2	13.19	30.03	307	238	P	H
													H
													H
		5620.2	55.44	-12.76	68.2	39.41	33.1	12.87	29.94	400	180	P	V
		5698.8	70.33	-33.99	104.32	54.02	33.32	12.94	29.95	400	180	P	V
		5719.2	82.07	-28.51	110.58	65.62	33.44	12.96	29.95	400	180	P	V
		5722.8	79.86	-37.32	117.18	63.38	33.46	12.97	29.95	400	180	P	V
	*	5755	105.94	-	-	89.25	33.65	13	29.96	400	180	P	V
	*	5755	97.56	-	-	80.87	33.65	13	29.96	400	180	A	V
		5851	58.73	-61.19	119.92	41.57	34.08	13.09	30.01	400	180	P	V
		5855.2	58.46	-52.28	110.74	41.29	34.08	13.1	30.01	400	180	P	V
		5878.4	57.19	-45.48	102.67	39.95	34.13	13.12	30.01	400	180	P	V
		5942.8	57.5	-10.7	68.2	40.14	34.2	13.19	30.03	400	180	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		5643.2	56.66	-11.54	68.2	40.59	33.13	12.89	29.95	299	237	P	H
		5699	61.74	-42.72	104.46	45.43	33.32	12.94	29.95	299	237	P	H
		5718.8	72.36	-38.1	110.46	55.92	33.43	12.96	29.95	299	237	P	H
		5722.4	72.91	-43.36	116.27	56.43	33.46	12.97	29.95	299	237	P	H
	*	5795	115.11	-	-	98.11	33.93	13.04	29.97	299	237	P	H
	*	5795	107.16	-	-	90.16	33.93	13.04	29.97	299	237	A	H
		5851	77.35	-42.57	119.92	60.19	34.08	13.09	30.01	299	237	P	H
		5863	75.89	-32.67	108.56	58.69	34.1	13.11	30.01	299	237	P	H
		5879.4	70.15	-31.78	101.93	52.91	34.13	13.12	30.01	299	237	P	H
		5948.4	56.17	-12.03	68.2	38.79	34.21	13.2	30.03	299	237	P	H
													H
													H
		5620.4	55.79	-12.41	68.2	39.76	33.1	12.87	29.94	300	104	P	V
		5699	57.42	-47.04	104.46	41.11	33.32	12.94	29.95	300	104	P	V
		5714.2	65.18	-44	109.18	48.76	33.41	12.96	29.95	300	104	P	V
		5723.8	65.57	-53.89	119.46	49.09	33.46	12.97	29.95	300	104	P	V
	*	5795	113.79	-	-	96.79	33.93	13.04	29.97	300	104	P	V
	*	5795	105.61	-	-	88.61	33.93	13.04	29.97	300	104	A	V
		5850.2	72.59	-49.15	121.74	55.44	34.07	13.09	30.01	300	104	P	V
		5861.4	72.67	-36.34	109.01	55.48	34.1	13.1	30.01	300	104	P	V
		5877.8	65.17	-37.95	103.12	47.93	34.13	13.12	30.01	300	104	P	V
		5940.6	56.34	-11.86	68.2	38.98	34.2	13.19	30.03	300	104	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		5644.8	59.47	-8.73	68.2	43.39	33.14	12.89	29.95	294	233	P	H
		5699.4	65.19	-39.57	104.76	48.88	33.32	12.94	29.95	294	233	P	H
		5719.2	72.82	-37.76	110.58	56.37	33.44	12.96	29.95	294	233	P	H
		5725	73.44	-48.76	122.2	56.95	33.47	12.97	29.95	294	233	P	H
	*	5775	110.59	-	-	93.75	33.79	13.02	29.97	294	233	P	H
	*	5775	101.73	-	-	84.89	33.79	13.02	29.97	294	233	A	H
		5852.6	68.44	-47.83	116.27	51.27	34.08	13.1	30.01	294	233	P	H
		5857.4	68.39	-41.74	110.13	51.21	34.09	13.1	30.01	294	233	P	H
		5879.8	64.63	-37	101.63	47.39	34.13	13.12	30.01	294	233	P	H
		5938.2	56.4	-11.8	68.2	39.04	34.2	13.19	30.03	294	233	P	H
													H
													H
		5644	56.14	-12.06	68.2	40.06	33.14	12.89	29.95	200	110	P	V
		5694.4	60.53	-40.54	101.07	44.24	33.3	12.94	29.95	200	110	P	V
		5719.8	64.35	-46.39	110.74	47.9	33.44	12.96	29.95	200	110	P	V
		5724.8	71.74	-50	121.74	55.25	33.47	12.97	29.95	200	110	P	V
	*	5775	109.18	-	-	92.34	33.79	13.02	29.97	200	110	P	V
	*	5775	101.03	-	-	84.19	33.79	13.02	29.97	200	110	A	V
		5852	64.08	-53.56	117.64	46.92	34.08	13.09	30.01	200	110	P	V
		5860.2	65.37	-43.97	109.34	48.19	34.09	13.1	30.01	200	110	P	V
		5878	60.24	-42.73	102.97	43	34.13	13.12	30.01	200	110	P	V
		5946	56.99	-11.21	68.2	39.62	34.21	13.19	30.03	200	110	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

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		23100	39.71	-34.29	74	35.86	39.03	17.18	52.36	-	-	P	H
													H
													H
													H
													H
													H
		23100	39.94	-34.06	74	35.82	39.3	17.18	52.36	-	-	P	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 with sufficient margin against limit line or noise floor only.												

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		71.83	25.35	-14.65	40	43.91	12.48	1.43	32.47	-	-	P	H
		105.67	30.02	-13.48	43.5	43.91	16.72	1.83	32.44	-	-	P	H
		249.96	30.95	-15.05	46	42.44	18.19	2.75	32.43	-	-	P	H
		618.739	36.13	-9.87	46	38.69	25.76	4.31	32.63	-	-	P	H
		730.963	35.25	-10.75	46	35.63	27.4	4.7	32.48	-	-	P	H
		910.321	38.89	-7.11	46	36.13	28.91	5.38	31.53	-	-	P	H
													H
													H
													H
													H
													H
													H
		55.85	22.06	-17.94	40	41.29	11.96	1.29	32.48	-	-	P	V
		105.67	29.88	-13.62	43.5	43.77	16.72	1.83	32.44	-	-	P	V
		249.96	25.82	-20.18	46	37.31	18.19	2.75	32.43	-	-	P	V
		621.244	35.26	-10.74	46	37.64	25.92	4.33	32.63	-	-	P	V
		730.963	36.3	-9.7	46	36.68	27.4	4.7	32.48	-	-	P	V
		884.269	39.59	-6.41	46	37.12	28.86	5.33	31.72	-	-	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.												



<4x4 MIMO>

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+4+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5637.2	56.71	-11.49	68.2	40.84	33.13	12.68	29.94	286	346	P	H
		5698.4	62.37	-41.65	104.02	46.25	33.32	12.75	29.95	286	346	P	H
		5720	73.72	-37.08	110.8	57.45	33.44	12.78	29.95	286	346	P	H
		5720	73.72	-37.08	110.8	57.45	33.44	12.78	29.95	286	346	P	H
	*	5745	119.93	-	-	103.49	33.59	12.81	29.96	286	346	P	H
	*	5745	113.32	-	-	96.88	33.59	12.81	29.96	286	346	A	H
													H
													H
		5621	56.66	-11.54	68.2	40.84	33.1	12.66	29.94	249	305	P	V
		5700	61.92	-43.28	105.2	45.8	33.32	12.75	29.95	249	305	P	V
		5719.8	74.38	-36.36	110.74	58.11	33.44	12.78	29.95	249	305	P	V
		5720.8	76.96	-35.66	112.62	60.68	33.45	12.78	29.95	249	305	P	V
	*	5745	121.28	-	-	104.84	33.59	12.81	29.96	249	305	P	V
	*	5745	114.75	-	-	98.31	33.59	12.81	29.96	249	305	A	V
													V
													V



WIFI Ant. 1+3+4+2	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		5635.4	56.97	-11.23	68.2	41.11	33.12	12.68	29.94	241	80	P	H
		5696.6	56.79	-45.9	102.69	40.68	33.31	12.75	29.95	241	80	P	H
		5707.4	56.94	-50.33	107.27	40.76	33.37	12.76	29.95	241	80	P	H
		5723.4	57.92	-60.63	118.55	41.63	33.46	12.78	29.95	241	80	P	H
	*	5785	119.58	-	-	102.82	33.86	12.87	29.97	241	80	P	H
	*	5785	112.86	-	-	96.1	33.86	12.87	29.97	241	80	A	H
		5854	57.66	-55.42	113.08	40.68	34.08	12.91	30.01	241	80	P	H
		5855.6	58.25	-52.38	110.63	41.27	34.08	12.91	30.01	241	80	P	H
		5911	58.07	-20.46	78.53	40.95	34.18	12.95	30.01	241	80	P	H
		5946	60.4	-7.8	68.2	43.21	34.21	13.01	30.03	241	80	P	H
													H
													H
		5620.8	56.73	-11.47	68.2	40.91	33.1	12.66	29.94	245	319	P	V
		5698.4	56.39	-47.63	104.02	40.27	33.32	12.75	29.95	245	319	P	V
		5711.6	56.32	-52.13	108.45	40.11	33.39	12.77	29.95	245	319	P	V
		5723.6	57.69	-61.32	119.01	41.4	33.46	12.78	29.95	245	319	P	V
	*	5785	121.03	-	-	104.27	33.86	12.87	29.97	245	319	P	V
	*	5785	114.8	-	-	98.04	33.86	12.87	29.97	245	319	A	V
		5852.8	57.98	-57.84	115.82	41	34.08	12.91	30.01	245	319	P	V
		5855.6	58.26	-52.37	110.63	41.28	34.08	12.91	30.01	245	319	P	V
		5893.4	58.21	-33.34	91.55	41.13	34.16	12.93	30.01	245	319	P	V
		5943.2	57.86	-10.34	68.2	40.69	34.2	13	30.03	245	319	P	V
													V
													V



WiFi Ant. 1+3+4+2	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	120.68	-	-	103.75	34.02	12.9	29.99	244	87	P	H
	*	5825	114	-	-	97.07	34.02	12.9	29.99	244	87	A	H
		5851	75.1	-44.82	119.92	58.12	34.08	12.91	30.01	244	87	P	H
		5859.8	71.51	-37.94	109.45	54.52	34.09	12.91	30.01	244	87	P	H
		5888.6	58.47	-36.63	95.1	41.4	34.15	12.93	30.01	244	87	P	H
		5946.8	58.34	-9.86	68.2	41.15	34.21	13.01	30.03	244	87	P	H
													H
													H
	*	5825	120.06	-	-	103.13	34.02	12.9	29.99	246	323	P	V
	*	5825	113.96	-	-	97.03	34.02	12.9	29.99	246	323	A	V
		5850.8	72.9	-47.48	120.38	55.92	34.08	12.91	30.01	246	323	P	V
		5859.8	71.19	-38.26	109.45	54.2	34.09	12.91	30.01	246	323	P	V
		5875.6	60.09	-44.66	104.75	43.06	34.12	12.92	30.01	246	323	P	V
		5932.2	59	-9.2	68.2	41.84	34.2	12.98	30.02	246	323	P	V
													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+4+2	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	58.01	-15.99	74	67.62	39.19	18.68	67.48	400	336	P	H
		11490	46.71	-7.29	54	56.32	39.19	18.68	67.48	400	336	A	H
		17235	49.39	-18.81	68.2	55.64	38.39	23.17	67.81	300	308	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	62.37	-11.63	74	71.98	39.19	18.68	67.48	306	16	P	V
		11490	51.33	-2.67	54	60.94	39.19	18.68	67.48	306	16	A	V
		17235	55.11	-13.09	68.2	61.36	38.39	23.17	67.81	311	157	P	V
													V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 1+3+4+2	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	56.7	-17.3	74	66.24	39.04	18.74	67.32	400	333	P	H
		11570	46.5	-7.5	54	56.04	39.04	18.74	67.32	400	333	A	H
		17355	50.08	-18.12	68.2	56.01	38.67	23.31	67.91	399	360	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	62.42	-11.58	74	71.96	39.04	18.74	67.32	317	14	P	V
		11570	51.39	-2.61	54	60.93	39.04	18.74	67.32	317	14	A	V
		17355	54.97	-13.23	68.2	60.9	38.67	23.31	67.91	310	156	P	V
													V
													V
													V
													V
													V
													V

[illegible]



Band 4 5725~5850MHz

WIFI 802.11be EHT20_Full (Band Edge @ 3m)

WIFI Ant. 1+3+4+2	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		5612.2	55.92	-12.28	68.2	40.11	33.09	12.65	29.93	247	105	P	H
		5699.6	63.34	-41.57	104.91	47.22	33.32	12.75	29.95	247	105	P	H
		5719.6	79.07	-31.62	110.69	62.8	33.44	12.78	29.95	247	105	P	H
		5724.6	82.95	-38.34	121.29	66.65	33.47	12.78	29.95	247	105	P	H
	*	5745	119.98	-	-	103.54	33.59	12.81	29.96	247	105	P	H
	*	5745	113.31	-	-	96.87	33.59	12.81	29.96	247	105	A	H
													H
													H
		5634	55.9	-12.3	68.2	40.04	33.12	12.68	29.94	264	45	P	V
		5697.8	58.24	-45.34	103.58	42.12	33.32	12.75	29.95	264	45	P	V
		5719.4	72.49	-38.14	110.63	56.22	33.44	12.78	29.95	264	45	P	V
		5725	79.6	-42.6	122.2	63.3	33.47	12.78	29.95	264	45	P	V
	*	5745	118.01	-	-	101.57	33.59	12.81	29.96	264	45	P	V
	*	5745	111.03	-	-	94.59	33.59	12.81	29.96	264	45	A	V
													V
													V



WIFI Ant. 1+3+4+2	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		5622.2	57.08	-11.12	68.2	41.26	33.1	12.66	29.94	248	75	P	H
		5667	56.71	-24.11	80.82	40.74	33.21	12.71	29.95	248	75	P	H
		5718.2	57.63	-52.67	110.3	41.37	33.43	12.78	29.95	248	75	P	H
		5724.6	57.47	-63.82	121.29	41.17	33.47	12.78	29.95	248	75	P	H
	*	5785	121.91	-	-	105.15	33.86	12.87	29.97	248	75	P	H
	*	5785	114.84	-	-	98.08	33.86	12.87	29.97	248	75	A	H
		5854	59.89	-53.19	113.08	42.91	34.08	12.91	30.01	248	75	P	H
		5856.2	59.98	-50.48	110.46	42.99	34.09	12.91	30.01	248	75	P	H
		5895	58.49	-31.87	90.36	41.41	34.16	12.93	30.01	248	75	P	H
		5944.8	58.54	-9.66	68.2	41.36	34.2	13.01	30.03	248	75	P	H
													H
													H
		5615.8	56.42	-11.78	68.2	40.61	33.09	12.66	29.94	248	315	P	V
		5699.2	56.9	-47.71	104.61	40.78	33.32	12.75	29.95	248	315	P	V
		5719.6	57.24	-53.45	110.69	40.97	33.44	12.78	29.95	248	315	P	V
		5724.6	60.43	-60.86	121.29	44.13	33.47	12.78	29.95	248	315	P	V
	*	5785	122.12	-	-	105.36	33.86	12.87	29.97	248	315	P	V
	*	5785	114.69	-	-	97.93	33.86	12.87	29.97	248	315	A	V
		5854.4	59.16	-53.01	112.17	42.18	34.08	12.91	30.01	248	315	P	V
		5855.8	58.86	-51.72	110.58	41.87	34.09	12.91	30.01	248	315	P	V
		5878.8	57.9	-44.48	102.38	40.86	34.13	12.92	30.01	248	315	P	V
		5936	58.12	-10.08	68.2	40.95	34.2	12.99	30.02	248	315	P	V
													V
													V



WIFI Ant. 1+3+4+2	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	121.5	-	-	104.57	34.02	12.9	29.99	250	75	P	H
	*	5825	114.42	-	-	97.49	34.02	12.9	29.99	250	75	A	H
		5855	77.54	-33.26	110.8	60.56	34.08	12.91	30.01	250	75	P	H
		5855	77.54	-33.26	110.8	60.56	34.08	12.91	30.01	250	75	P	H
		5875	64.13	-41.07	105.2	47.1	34.12	12.92	30.01	250	75	P	H
		5946.6	59.01	-9.19	68.2	41.82	34.21	13.01	30.03	250	75	P	H
													H
													H
	*	5825	120.52	-	-	103.59	34.02	12.9	29.99	259	321	P	V
	*	5825	113.75	-	-	96.82	34.02	12.9	29.99	259	321	A	V
		5850.2	75.16	-46.58	121.74	58.19	34.07	12.91	30.01	259	321	P	V
		5857.6	75.74	-34.33	110.07	58.75	34.09	12.91	30.01	259	321	P	V
		5875.6	62.42	-42.33	104.75	45.39	34.12	12.92	30.01	259	321	P	V
		5934.8	58.25	-9.95	68.2	41.08	34.2	12.99	30.02	259	321	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+4+2	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	55.4	-18.6	74	64.94	39.04	18.74	67.32	400	332	P	H
		11570	45.5	-8.5	54	55.04	39.04	18.74	67.32	400	332	A	H
		17355	49.81	-18.39	68.2	55.74	38.67	23.31	67.91	400	357	P	H
													H
													H
													H
													H
													H
													H
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													H
802.11be EHT20 Full CH 157 5785MHz		11570	62.58	-11.42	74	72.12	39.04	18.74	67.32	318	14	P	V
		11570	50.72	-3.28	54	60.26	39.04	18.74	67.32	318	14	A	V
		17355	51.5	-16.7	68.2	57.43	38.67	23.31	67.91	274	166	P	V
													V
													V
													V
													V
													V
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													V

[illegible]



Band 4 5725~5850MHz

WIFI 802.11be EHT40_Full (Band Edge @ 3m)

WIFI Ant. 1+3+4+2	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		5627.4	56.61	-11.59	68.2	40.77	33.11	12.67	29.94	300	87	P	H
		5700	72.55	-32.65	105.2	56.43	33.32	12.75	29.95	300	87	P	H
		5719.6	77.03	-33.66	110.69	60.76	33.44	12.78	29.95	300	87	P	H
		5722	79.69	-35.67	115.36	63.41	33.45	12.78	29.95	300	87	P	H
	*	5755	116.3	-	-	99.78	33.65	12.83	29.96	300	87	P	H
	*	5755	109.48	-	-	92.96	33.65	12.83	29.96	300	87	A	H
		5850.2	60.95	-60.79	121.74	43.98	34.07	12.91	30.01	300	87	P	H
		5857.8	62.3	-47.71	110.01	45.31	34.09	12.91	30.01	300	87	P	H
		5914.2	57.54	-18.63	76.17	40.43	34.18	12.95	30.02	300	87	P	H
		5936.4	57.48	-10.72	68.2	40.31	34.2	12.99	30.02	300	87	P	H
													H
													H
		5611	57.22	-10.98	68.2	41.42	33.08	12.65	29.93	267	309	P	V
		5699.2	77.39	-27.22	104.61	61.27	33.32	12.75	29.95	267	309	P	V
		5720	82.26	-28.54	110.8	65.99	33.44	12.78	29.95	267	309	P	V
		5720.2	82.27	-28.99	111.26	66	33.44	12.78	29.95	267	309	P	V
	*	5752	118.96	-	-	102.47	33.63	12.82	29.96	267	309	P	V
	*	5755	110.49	-	-	93.97	33.65	12.83	29.96	267	309	A	V
		5854.8	60.24	-51.02	111.26	43.26	34.08	12.91	30.01	267	309	P	V
		5855.6	61.93	-48.7	110.63	44.95	34.08	12.91	30.01	267	309	P	V
		5924.8	58.47	-9.88	68.35	41.33	34.19	12.97	30.02	267	309	P	V
		5925	58.44	-9.76	68.2	41.3	34.19	12.97	30.02	267	309	P	V
													V
													V



WIFI Ant. 1+3+4+2	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		5619.4	55.72	-12.48	68.2	39.9	33.1	12.66	29.94	300	89	P	H
		5699.2	56.47	-48.14	104.61	40.35	33.32	12.75	29.95	300	89	P	H
		5719	66.86	-43.66	110.52	50.59	33.44	12.78	29.95	300	89	P	H
		5721.2	72.41	-41.13	113.54	56.13	33.45	12.78	29.95	300	89	P	H
	*	5795	116.46	-	-	99.62	33.93	12.88	29.97	300	89	P	H
	*	5795	109.56	-	-	92.72	33.93	12.88	29.97	300	89	A	H
		5850.2	72.23	-49.51	121.74	55.26	34.07	12.91	30.01	300	89	P	H
		5858	74.58	-35.38	109.96	57.59	34.09	12.91	30.01	300	89	P	H
		5877	68.83	-34.88	103.71	51.79	34.13	12.92	30.01	300	89	P	H
		5941.6	57.84	-10.36	68.2	40.67	34.2	13	30.03	300	89	P	H
													H
													H
		5621	56.02	-12.18	68.2	40.2	33.1	12.66	29.94	265	316	P	V
		5669.8	57.46	-25.43	82.89	41.47	33.22	12.72	29.95	265	316	P	V
		5719.8	68.22	-42.52	110.74	51.95	33.44	12.78	29.95	265	316	P	V
		5721.4	70.99	-43	113.99	54.71	33.45	12.78	29.95	265	316	P	V
	*	5795	119.04	-	-	102.2	33.93	12.88	29.97	265	316	P	V
	*	5795	111.23	-	-	94.39	33.93	12.88	29.97	265	316	A	V
		5850.6	73.93	-46.9	120.83	56.95	34.08	12.91	30.01	265	316	P	V
		5856.8	75.45	-34.85	110.3	58.46	34.09	12.91	30.01	265	316	P	V
		5876.6	69.37	-34.64	104.01	52.33	34.13	12.92	30.01	265	316	P	V
		5929.2	57.23	-10.97	68.2	40.08	34.19	12.98	30.02	265	316	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+4+2	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	54.34	-19.66	74	63.96	39.14	18.68	67.44	400	336	P	H
		11510	44.32	-9.68	54	53.94	39.14	18.68	67.44	400	336	A	H
		17265	48.24	-19.96	68.2	54.42	38.44	23.21	67.83	400	2	P	H
													H
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													H
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													H
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													H
													H
													H
		11510	58.61	-15.39	74	68.23	39.14	18.68	67.44	323	16	P	V
		11510	48.77	-5.23	54	58.39	39.14	18.68	67.44	323	16	A	V
		17265	50.97	-17.23	68.2	57.15	38.44	23.21	67.83	288	154	P	V
													V
													V
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													V

[illegible]



Band 4 5725~5850MHz

WIFI 802.11be EHT80_Full (Band Edge @ 3m)

WIFI Ant. 1+3+4+2	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		5644.8	65.05	-3.15	68.2	49.17	33.14	12.69	29.95	300	83	P	H
		5683.6	68.74	-24.36	93.1	52.7	33.26	12.73	29.95	300	83	P	H
		5715.6	70.94	-38.63	109.57	54.7	33.42	12.77	29.95	300	83	P	H
		5722.8	81.84	-35.34	117.18	65.55	33.46	12.78	29.95	300	83	P	H
	*	5775	113.22	-	-	96.54	33.79	12.86	29.97	300	83	P	H
	*	5775	105.79	-	-	89.11	33.79	12.86	29.97	300	83	A	H
		5851.4	73.09	-45.92	119.01	56.11	34.08	12.91	30.01	300	83	P	H
		5858.2	76.79	-33.11	109.9	59.8	34.09	12.91	30.01	300	83	P	H
		5879	71.91	-30.32	102.23	54.87	34.13	12.92	30.01	300	83	P	H
		5926.2	63.21	-4.99	68.2	46.07	34.19	12.97	30.02	300	83	P	H
													H
													H
		5647.4	66.78	-1.42	68.2	50.9	33.14	12.69	29.95	248	23	P	V
		5687.4	71.99	-23.92	95.91	55.92	33.28	12.74	29.95	248	23	P	V
		5717.8	75.11	-35.07	110.18	58.86	33.43	12.77	29.95	248	23	P	V
		5725	79.7	-42.5	122.2	63.4	33.47	12.78	29.95	248	23	P	V
	*	5775	114.1	-	-	97.42	33.79	12.86	29.97	248	23	P	V
	*	5775	105.52	-	-	88.84	33.79	12.86	29.97	248	23	A	V
		5852.2	75	-42.18	117.18	58.02	34.08	12.91	30.01	248	23	P	V
		5859	77.37	-32.31	109.68	60.38	34.09	12.91	30.01	248	23	P	V
		5878.8	69.6	-32.78	102.38	52.56	34.13	12.92	30.01	248	23	P	V
		5947	57.72	-10.48	68.2	40.53	34.21	13.01	30.03	248	23	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)

WIFI Ant. 1+3+4+2	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		11550	51.03	-22.97	74	60.56	39.1	18.72	67.35	400	337	P	H
		11550	40.91	-13.09	54	50.44	39.1	18.72	67.35	400	337	A	H
		17325	49.3	-18.9	68.2	55.33	38.57	23.27	67.87	400	334	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11550	56.05	-17.95	74	65.58	39.1	18.72	67.35	331	17	P	V
		11550	45.56	-8.44	54	55.09	39.1	18.72	67.35	331	17	A	V
		17325	49.25	-18.95	68.2	55.28	38.57	23.27	67.87	289	121	P	V
													V
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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+4+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a SHF		23302	45.11	-23.09	68.2	40.9	39.07	17.6	52.46	173	221	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		23300	53.03	-15.17	68.2	48.55	39.34	17.6	52.46	231	325	P	V
													V
													V
													V
													V
													V
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													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

5GHz WIFI 802.11a (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+4+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF	1	72.3	25.21	-14.79	40	43.72	12.53	1.43	32.47	-	-	P	H
	2	105.67	34.86	-8.64	43.5	48.75	16.72	1.83	32.44	-	-	P	H
	3	137.16	32.26	-11.24	43.5	45.13	17.55	2.02	32.44	-	-	P	H
	4	621.745	33.81	-12.19	46	36.2	25.91	4.33	32.63	-	-	P	H
	5	729.46	34.09	-11.91	46	34.52	27.36	4.69	32.48	-	-	P	H
	6	908.818	36.56	-9.44	46	33.84	28.89	5.37	31.54	-	-	P	H
													H
													H
													H
													H
													H
													H
	1	30.47	25.91	-14.09	40	32.81	24.56	0.99	32.45	-	-	P	V
	2	105.67	30.76	-12.74	43.5	44.65	16.72	1.83	32.44	-	-	P	V
	3	328.45	29.09	-16.91	46	38.81	19.61	3.14	32.47	-	-	P	V
	4	618.238	37.15	-8.85	46	39.69	25.78	4.31	32.63	-	-	P	V
	5	729.961	35.72	-10.28	46	36.19	27.32	4.69	32.48	-	-	P	V
	6	887.776	38.25	-7.75	46	35.74	28.87	5.33	31.69	-	-	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.												

Note symbol

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

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3+4+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		11213	48.14	-25.86	74	59.06	39.72	17.65	68.29	-	-	P	H
CH 149		11213	37.67	-16.33	54	48.59	39.72	17.65	68.29	-	-	A	H
5745MHz													

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 @ 11213MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 39.72(dB/m) + 17.65(dB) + 59.06(dBμV) – 68.29 (dB)
= 48.14 (dBμV/m)
2. Margin(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 48.14(dBμV/m) – 74(dBμV/m)
= -25.86(dB)

For Average Limit @ 11213MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 39.72(dB/m) + 17.65(dB) + 48.59(dBμV) – 68.29 (dB)
= 37.67 (dBμV/m)
2. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
= 37.67(dBμV/m) – 54(dBμV/m)
= -16.33(dB)

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



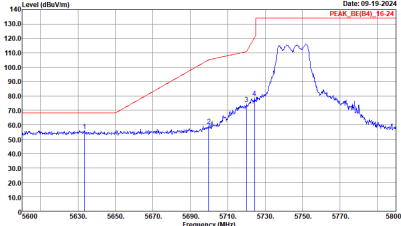
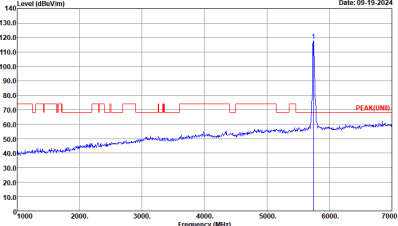
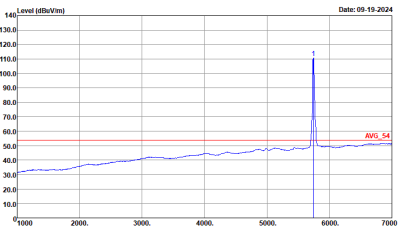
Appendix C. Radiated Spurious Emission Plots

Test Engineer :	Minh Nguyen, Thinh Hoang, Renz Roxas, Jesse Fan, Fred Tseng and Bill Chang	Temperature :	20.5~23.8°C
		Relative Humidity :	41.5~54.8%

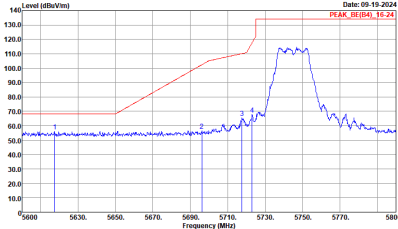
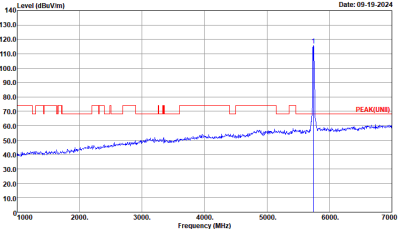
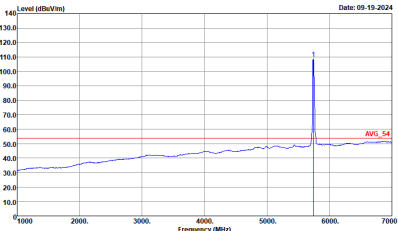


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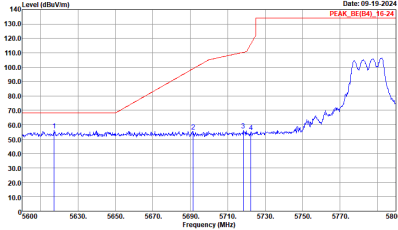
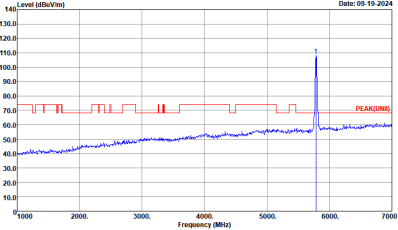
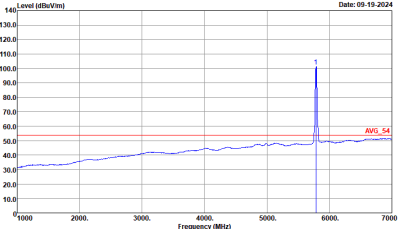
Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE (04)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK (001) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_S4 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto

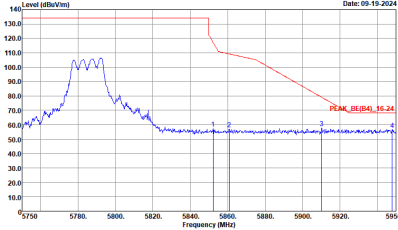


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(FUNB) 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:0.0100kHz SMT:Auto

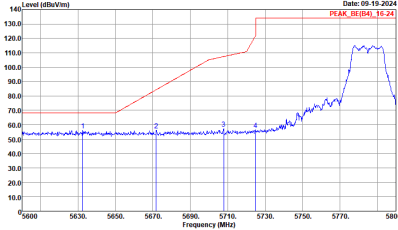
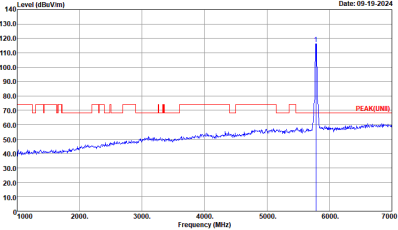
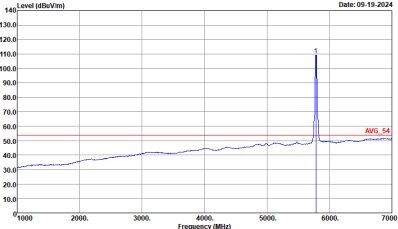


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_RE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK_UNB 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

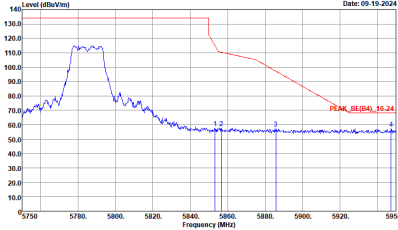


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE (04)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank

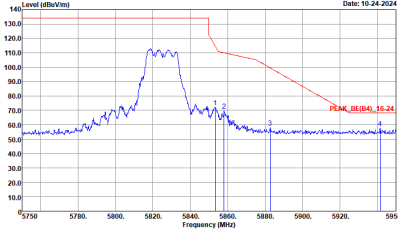
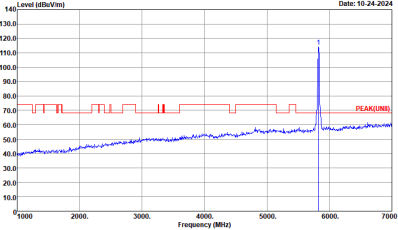
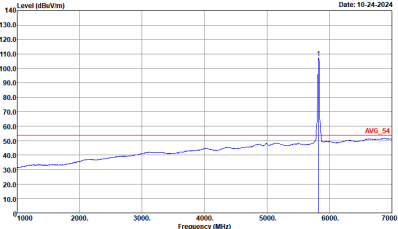


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(FUNB) 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

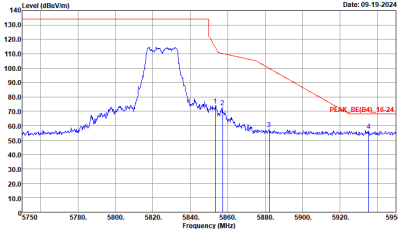
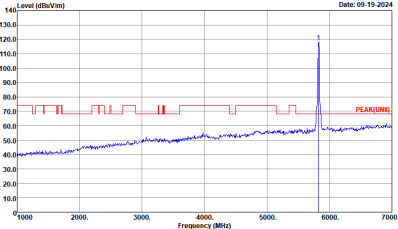
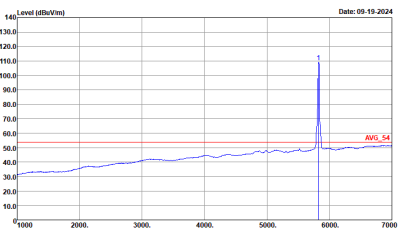


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_RU(B4)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank



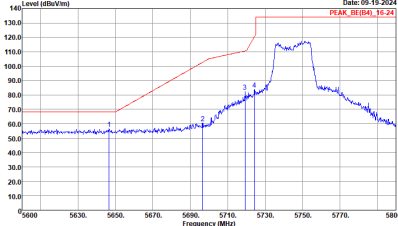
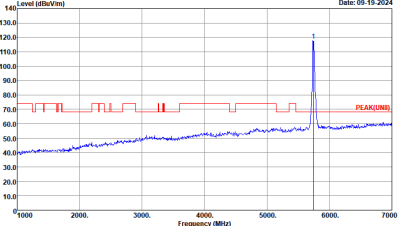
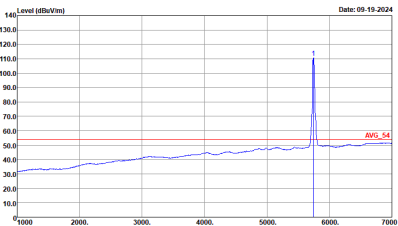
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK (B4)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK (B4)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto



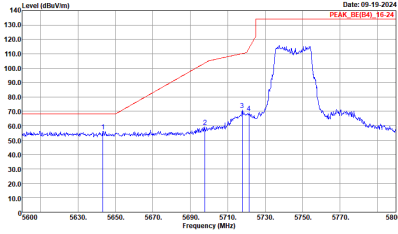
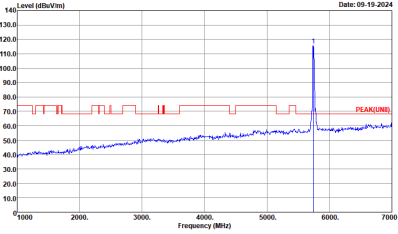
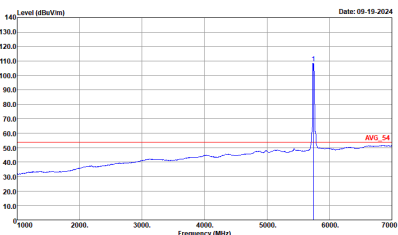
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_RL(B4)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(LNB) 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_S4 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:0.0100kHz SMT:Auto



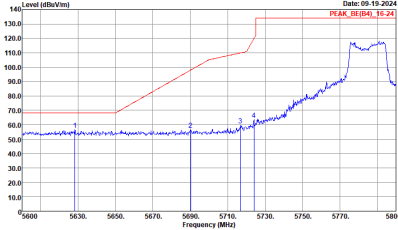
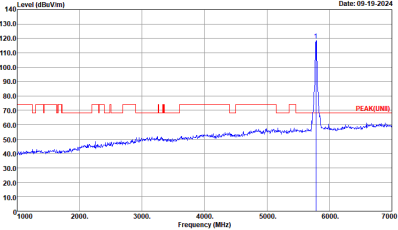
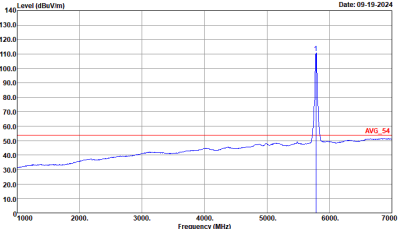
Band 4 5725~5850MHz
WIFI 802.11be EHT20 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UN1) 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

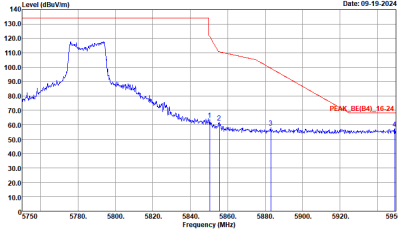


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(FUND) 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz VBW:0.0100KHz SMT:Auto

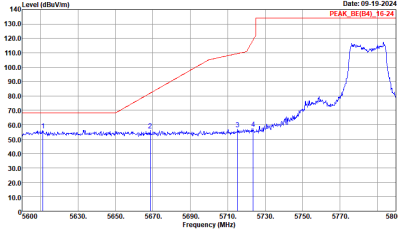
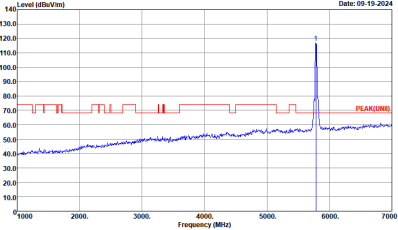
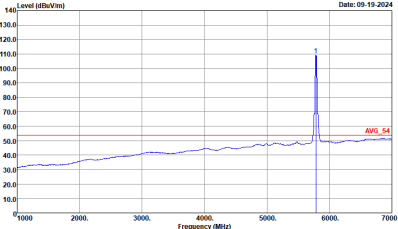


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(FUNB) 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

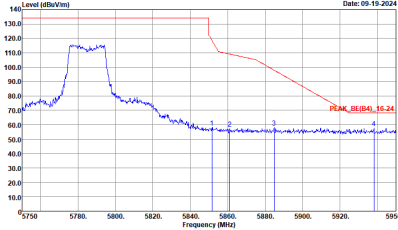


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_RU(B4)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank

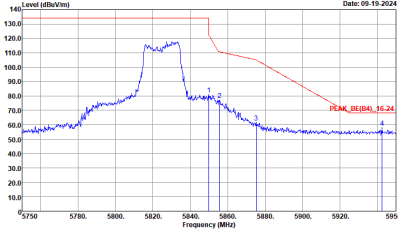
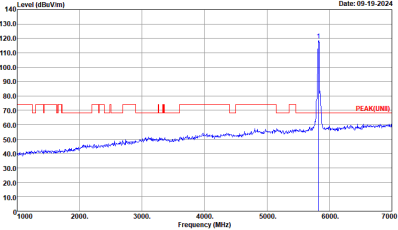
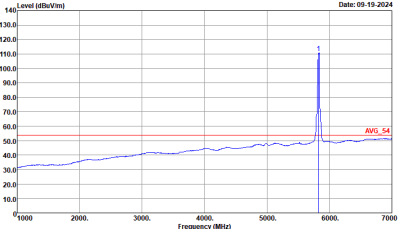


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(FUND) 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

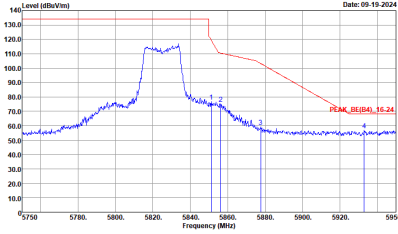
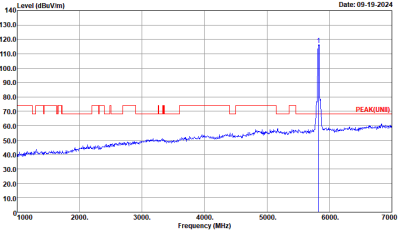
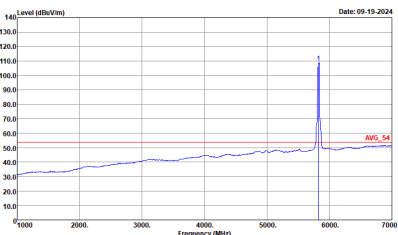


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_RU(B4)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank

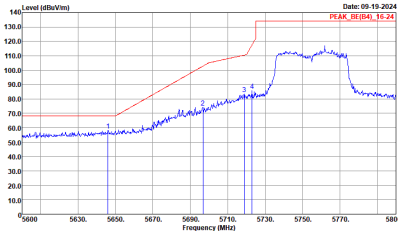
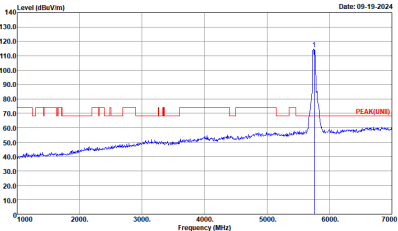
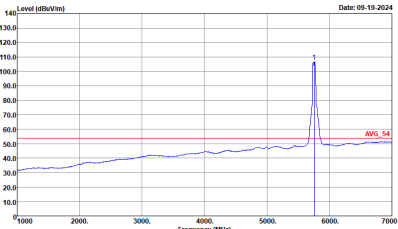


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_B4_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK (B4)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

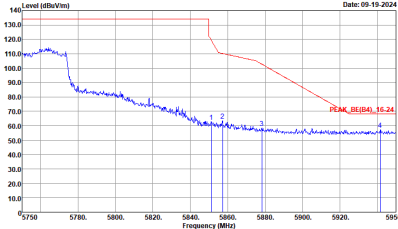


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE (04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK (WIFI) 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:0.0100kHz SMT:Auto

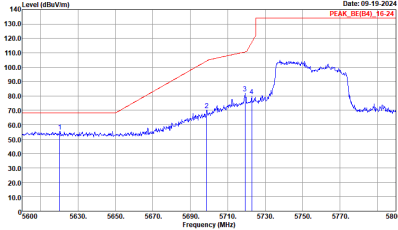
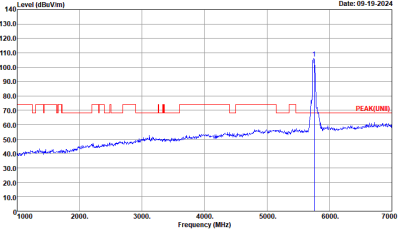
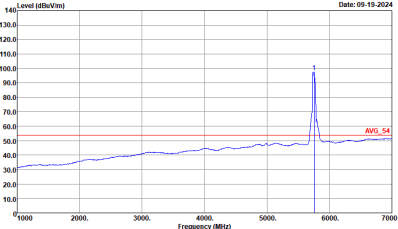
Band 4 5725~5850MHz
WIFI 802.11be EHT40 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.0000kHz VBW:3000.0000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UN1) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.0000kHz VBW:3000.0000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.0000kHz VBW:0.0100kHz SMT:Auto

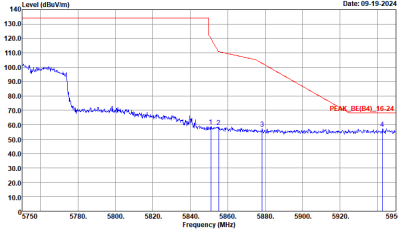


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_340129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank

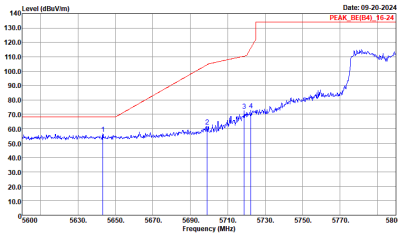
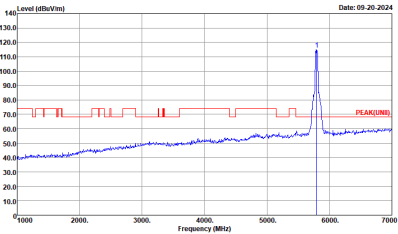
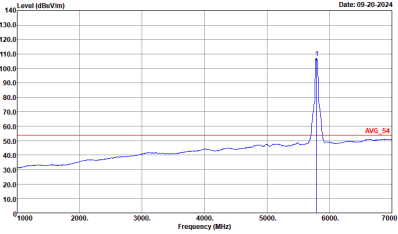


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(FUNB) 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
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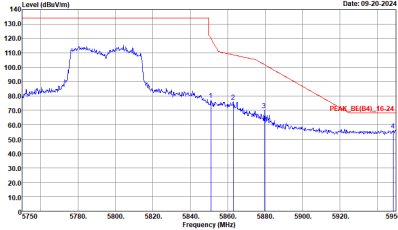


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_RU(B4)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank

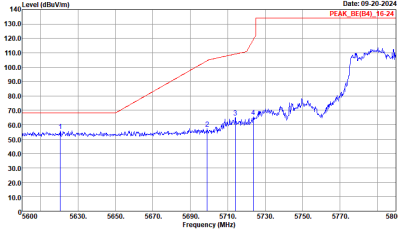
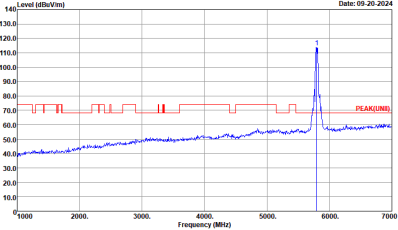
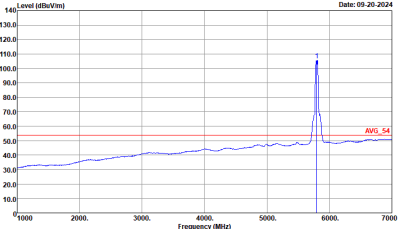


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full HT40 CH159 5795MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UN1) 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

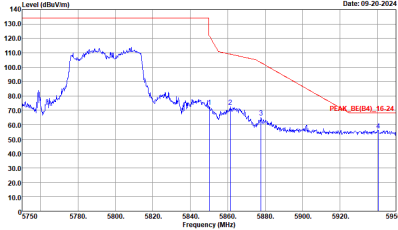


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full HT40 CH159 5795MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_RU(B4)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank

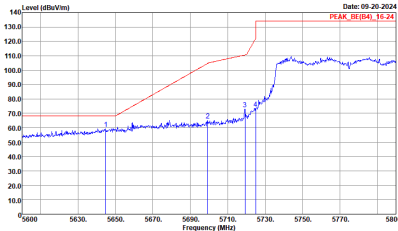
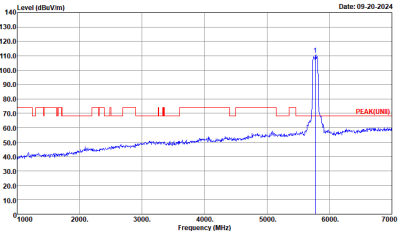
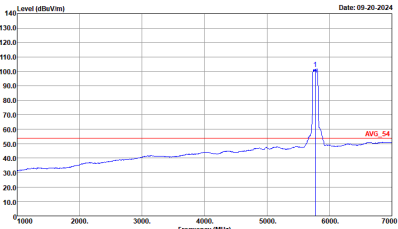


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(FUNB) 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

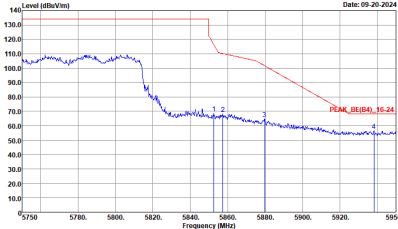


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_RU(B4)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank

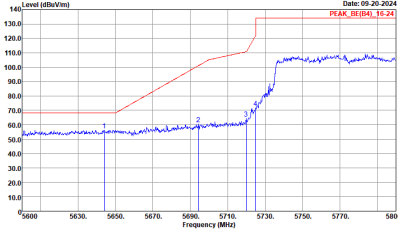
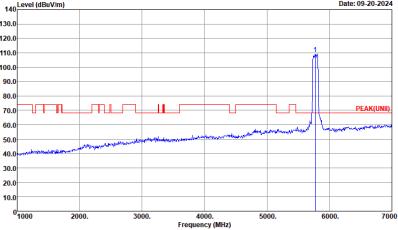
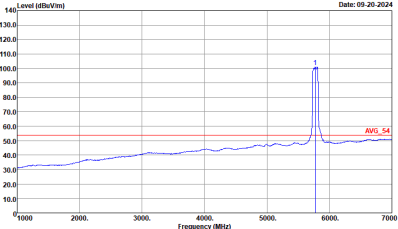
Band 4 5725~5850MHz
WIFI 802.11be EHT80 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.0000kHz VBW:3000.0000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UN1) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.0000kHz VBW:3000.0000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.0000kHz VBW:0.0100kHz SMT:Auto

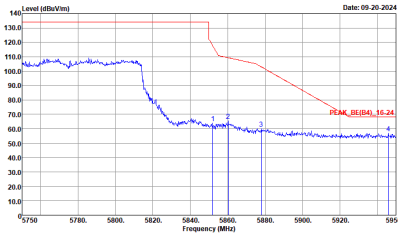


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_RL(B4)_16-24 3m HORN_02140_340129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank



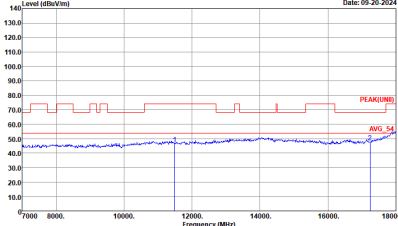
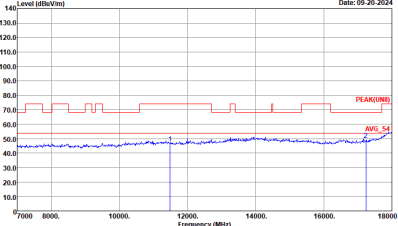
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK_UNB 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 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 : 03CH02-CA Condition : PEAK_RU(B4)_16-24 3m HORN_02140_240129 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 : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL :	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+3	Horizontal	Vertical
Peak Avg.	Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL	Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL



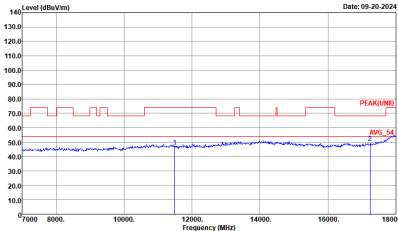
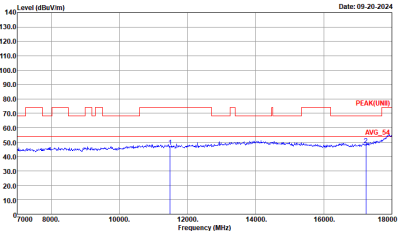
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+3	Horizontal	Vertical
Peak Avg.	Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL	Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN_02140_240129 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL



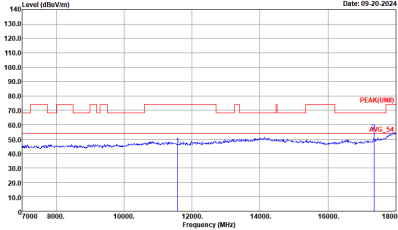
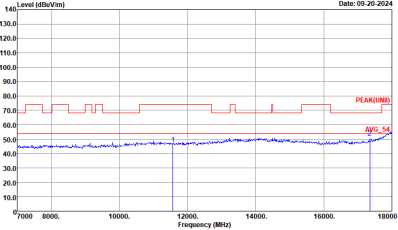
Band 4 5725~5850MHz
WIFI 802.11be EHT20 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL : .	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL : .



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL

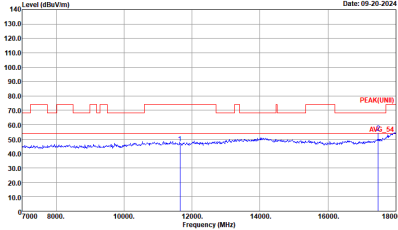
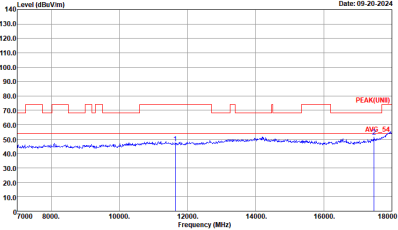


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBμV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	Level (dBμV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL



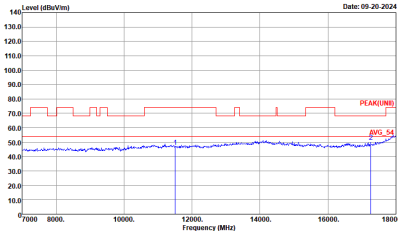
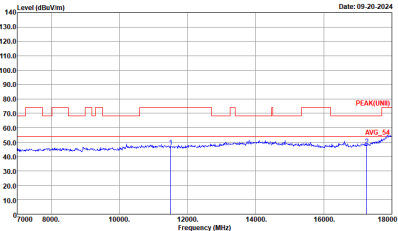
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN_02140_240129 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL



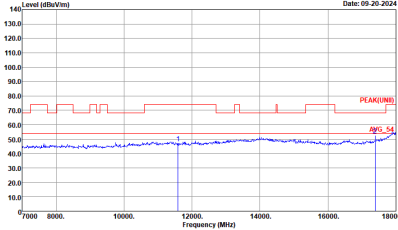
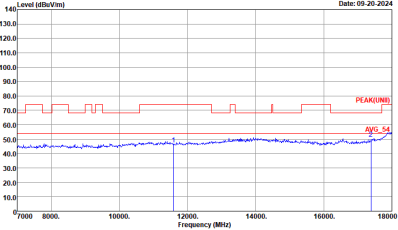
Band 4 5725~5850MHz
WIFI 802.11be EHT40 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL :	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL



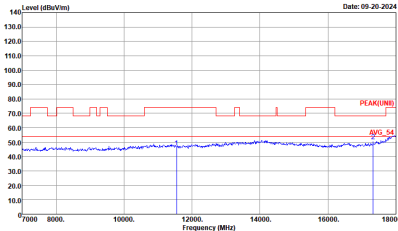
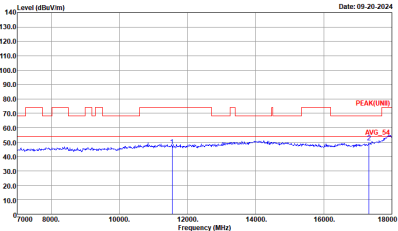
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN_02140_240129 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL



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

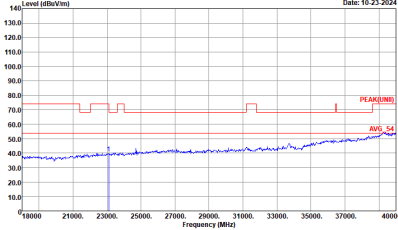
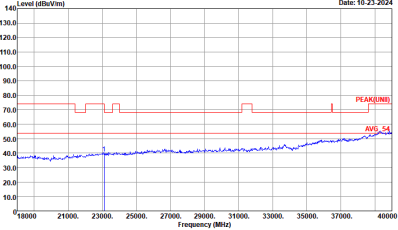
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL :	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	Level (dBuV/m) Date: 09-20-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL

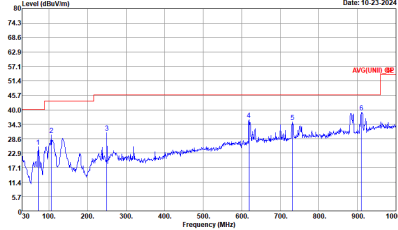
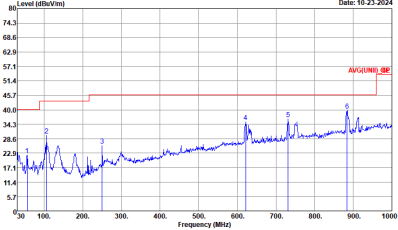


Emission above 18GHz
5GHz WIFI 802.11be EHT80 Full (SHF @ 1m)

WIFI	5GHz WIFI	
ANT	802.11be EHT80 Full SHF	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNIT) 1m SHF_HORN_841_240807 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNIT) 1m SHF_HORN_841_240807 VERTICAL

Emission below 1GHz

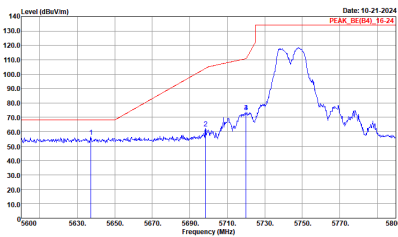
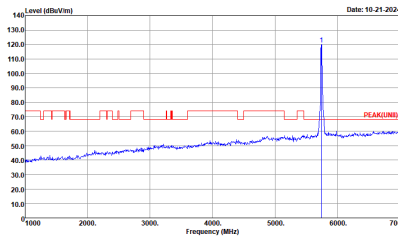
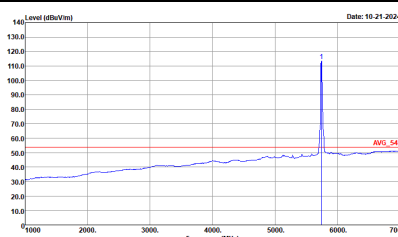
5GHz WIFI 802.11be EHT80 Full (LF @ 3m)

WIFI	5GHz WIFI	
ANT	802.11be EHT80 Full LF	
1+3	Horizontal	Vertical
QP / Peak	 Site : 03CH02-CA Condition : QP 3m BILOG_50392_240813_H HORIZONTAL	 Site : 03CH02-CA Condition : QP 3m BILOG_50392_240813_H VERTICAL

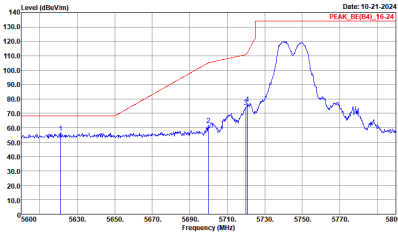
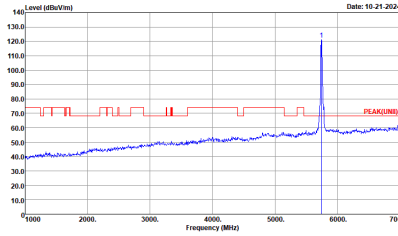
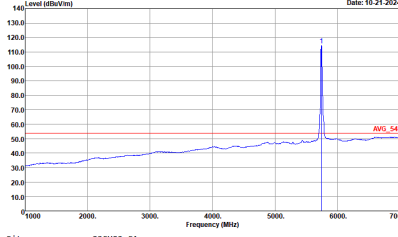


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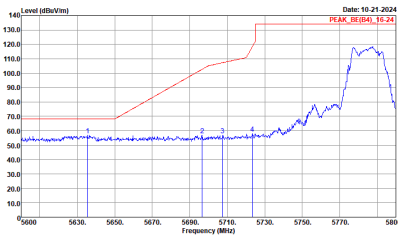
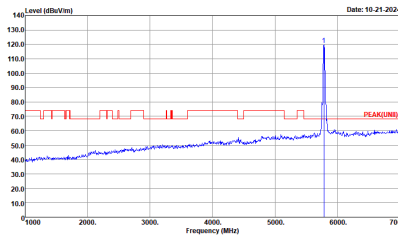
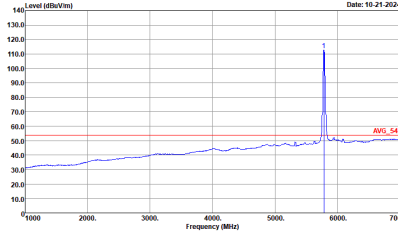
Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_3E(04)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UN1) 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto

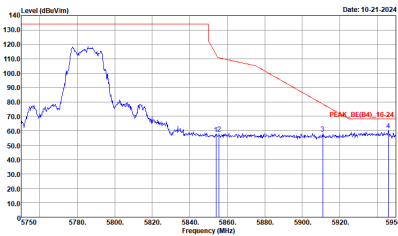


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UNT1) 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:0.0100kHz SMT:Auto

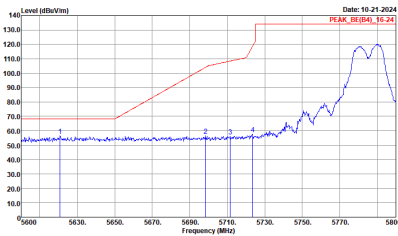
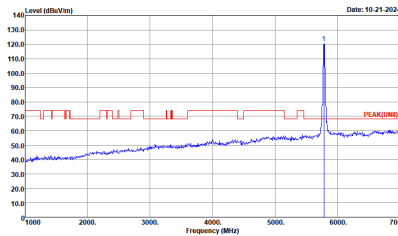
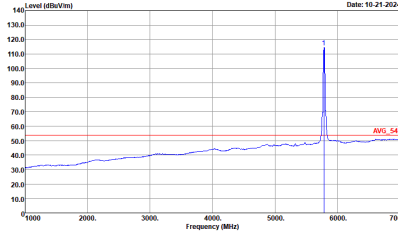


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(FUN) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.0100kHz SWT:Auto

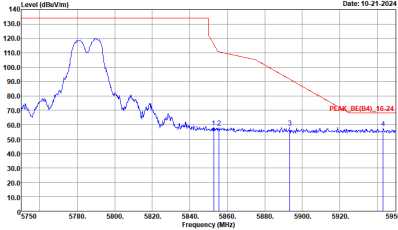


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_B(04)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

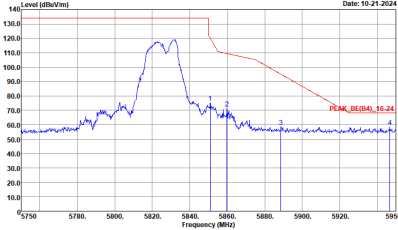
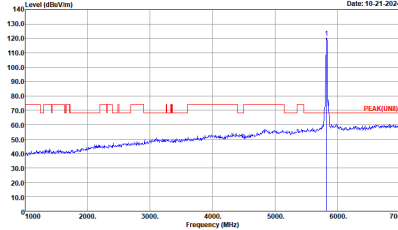
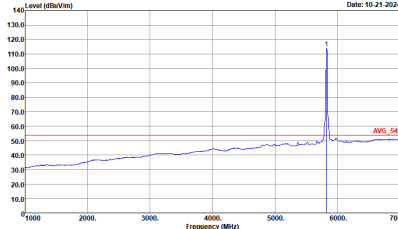


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(FUN) 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:0.0100kHz SWT:Auto

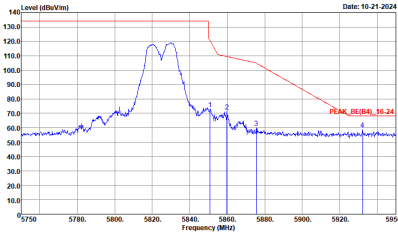
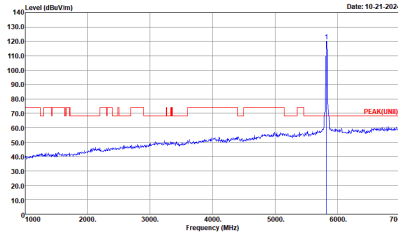
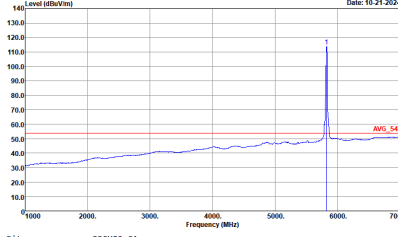


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_B4_16-24 3m HORI_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(FUN1) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.0100kHz SWT:Auto

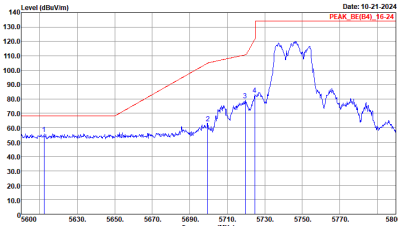
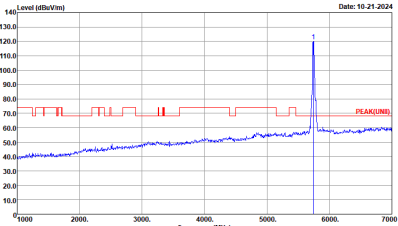
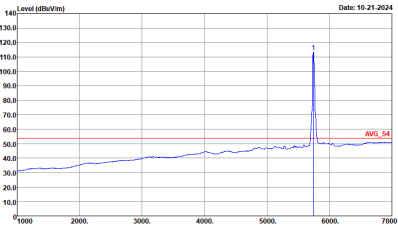


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(001) 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:0.0100kHz SMT:Auto

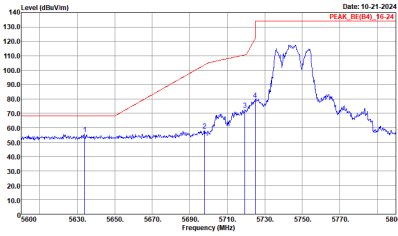
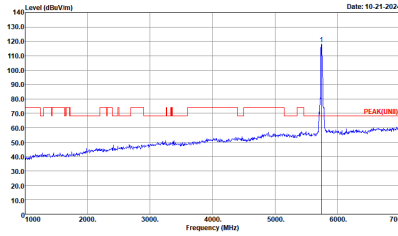
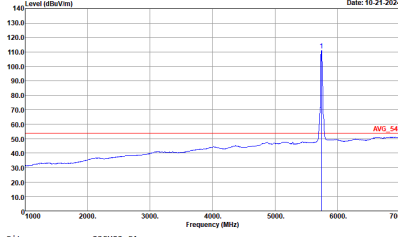


Band 4 5725~5850MHz

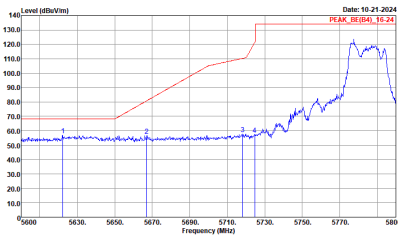
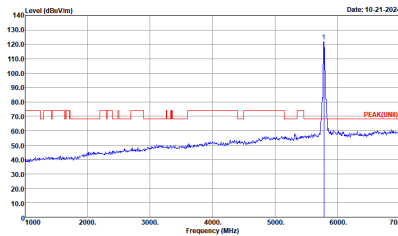
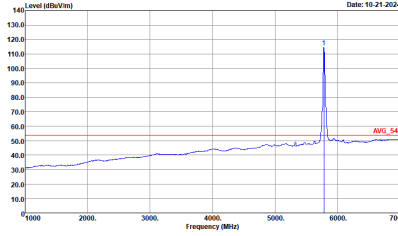
WIFI 802.11be EHT20 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-21 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(FUN) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_F4 3m HORN_02140_240129 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+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(FUN) 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:0.0100kHz SMT:Auto

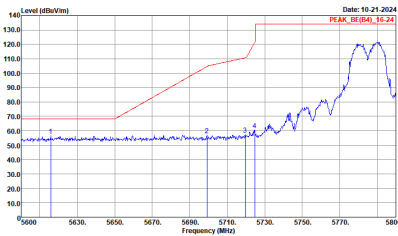
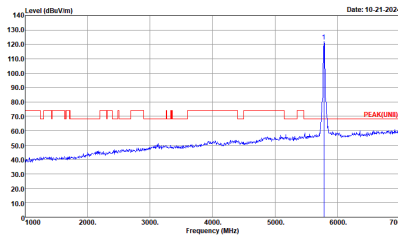
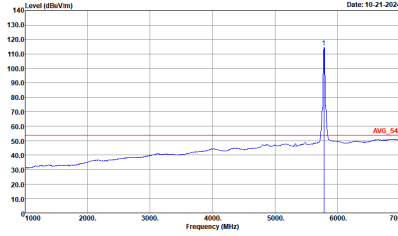


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto

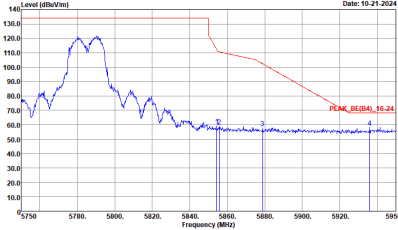


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_B4_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

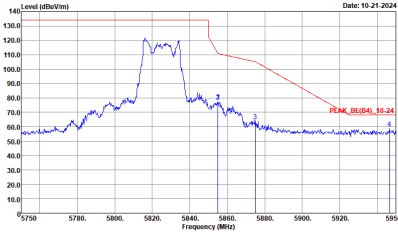
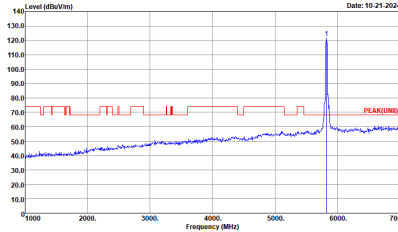
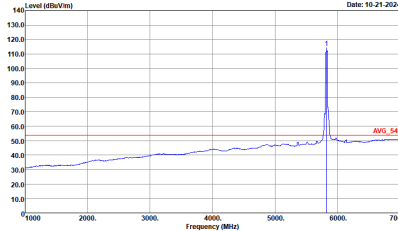


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UM) 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:0.0100kHz SWT:Auto

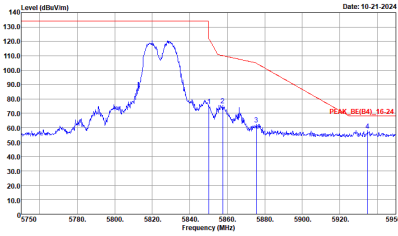
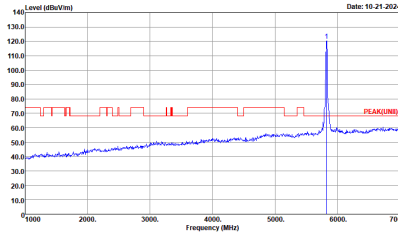
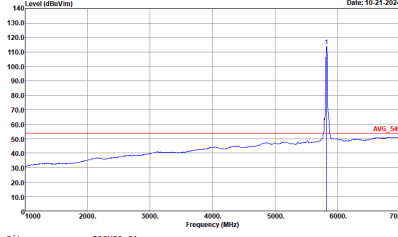


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_B4_16-24 3m HORI_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_01(04)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(01) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.0100kHz SWT:Auto

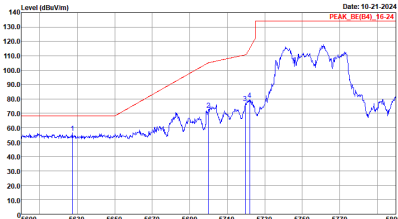
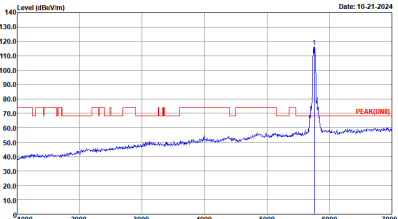
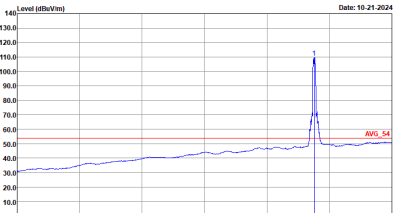


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(FUN) 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:0.0100kHz SMT:Auto

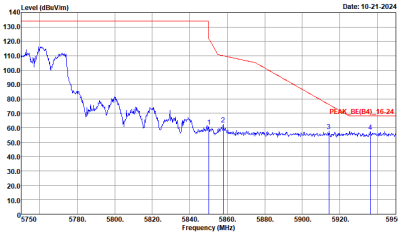


Band 4 5725~5850MHz

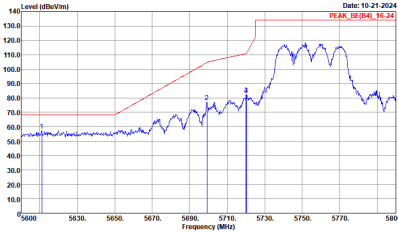
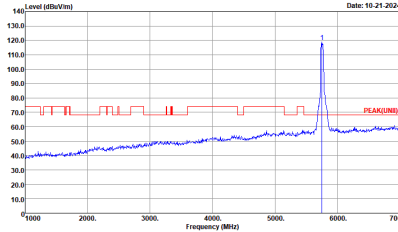
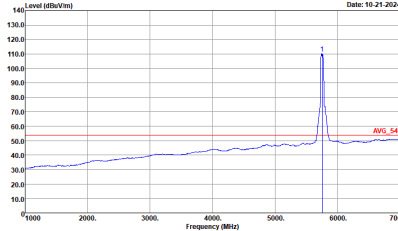
WIFI 802.11be EHT40 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UNI) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto

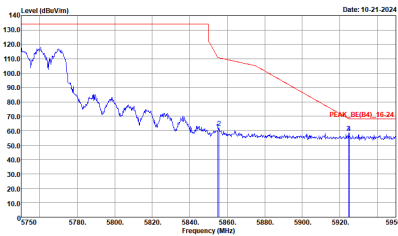


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

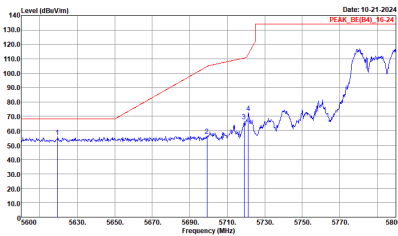
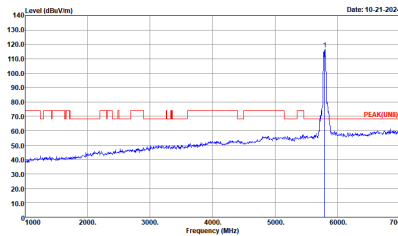
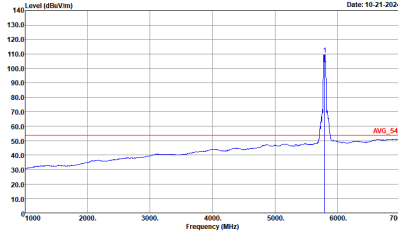


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UM) 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:0.0100kHz SWT:Auto

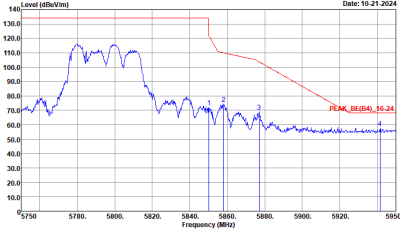


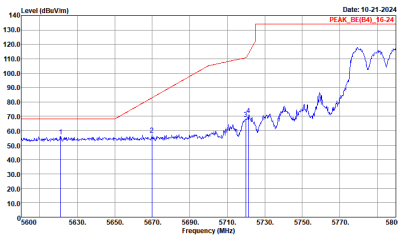
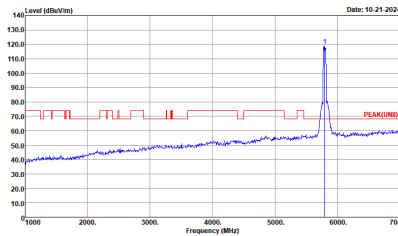
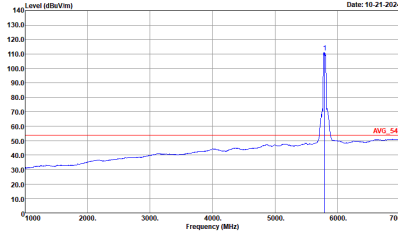
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_B4_16-24 3m HORI_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



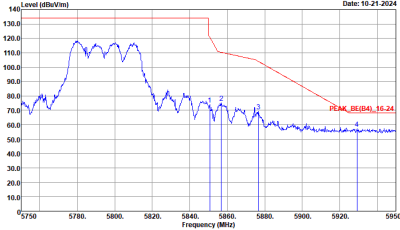
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full HT40 CH159 5795MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(FUN) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full HT40 CH159 5795MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_B4(04)_16-24 3e HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(FUN) 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:0.0100kHz SWT:Auto

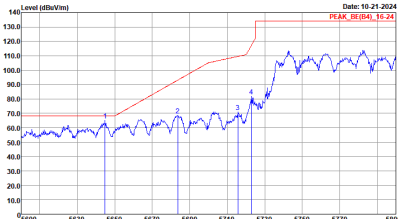
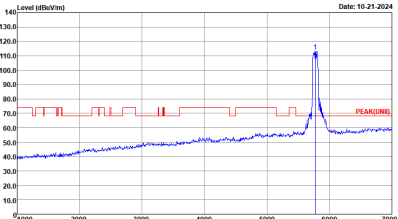
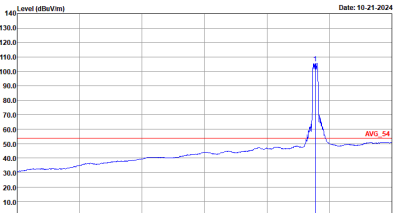


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_B4_16-24 3m HORI_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

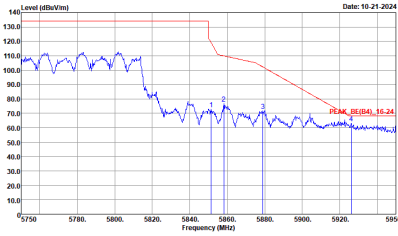


Band 4 5725~5850MHz

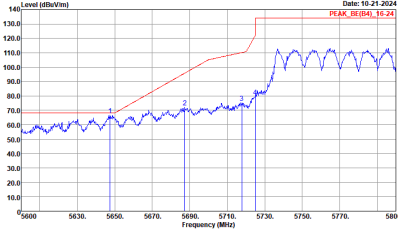
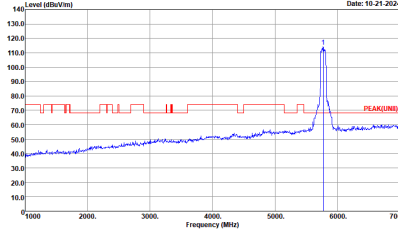
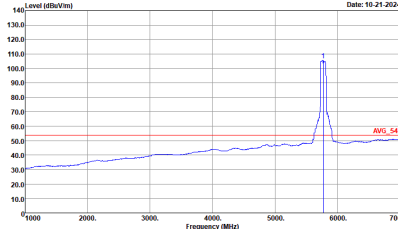
WIFI 802.11be EHT80 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-21 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UNI) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto

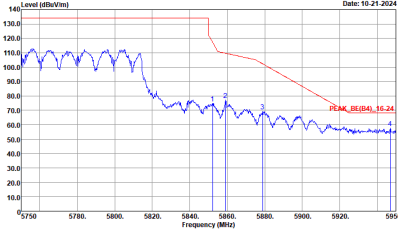


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_00(04)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



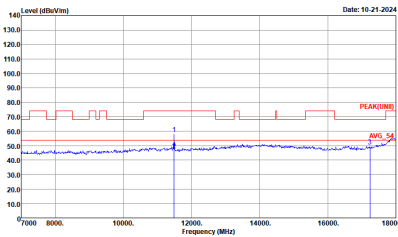
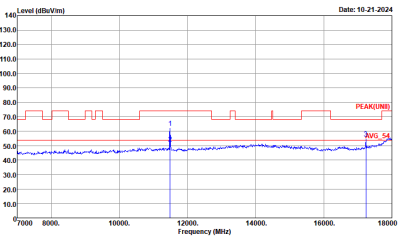
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(B4)_16-24 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(FUN1) 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL : RBW:1000.000kHz VBW:0.0100kHz SWT:Auto



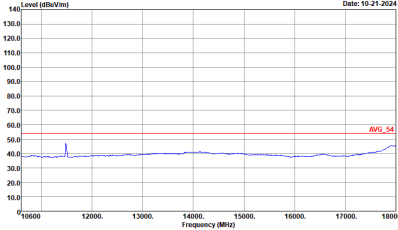
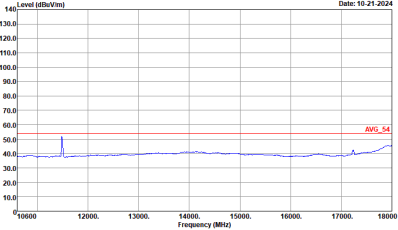
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_B4_16-24 3m HORI_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



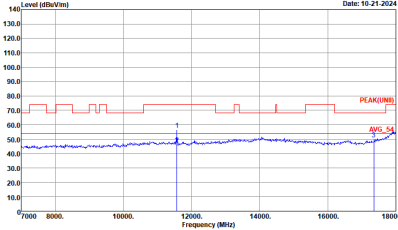
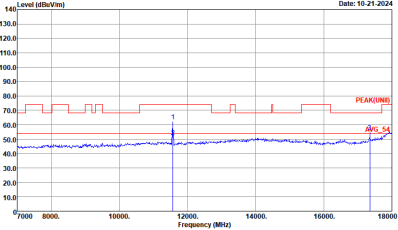
Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1+3+4+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UIN1) 3m HORN_02140_240129 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UIN1) 3m HORN_02140_240129 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1+3+4+2	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 83CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	 Site : 83CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL

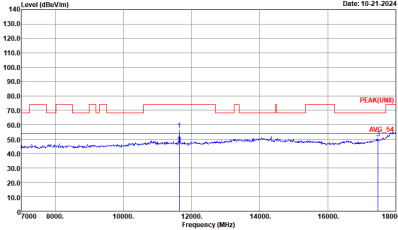
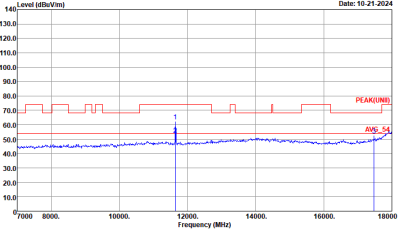


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+3+4+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UH1) 3m HORN_02140_240129 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UH1) 3m HORN_02140_240129 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+3+4+2	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBuV/m) Date: 10-21-2024 Frequency (MHz) Site : 83CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	Level (dBuV/m) Date: 10-21-2024 Frequency (MHz) Site : 83CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL



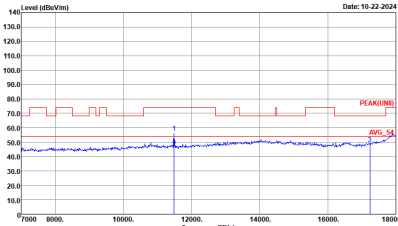
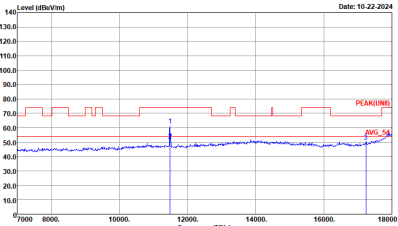
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+3+4+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN_02140_240129 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN_02140_240129 VERTICAL



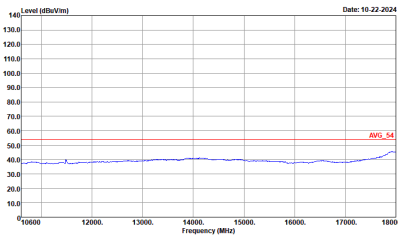
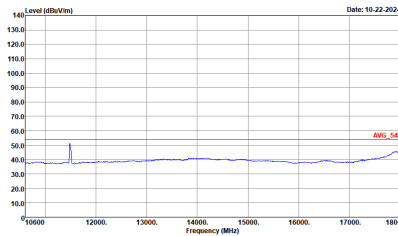
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+3+4+2	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBuV/m) Date: 10-21-2024 Frequency (MHz) Site : 83CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	Level (dBuV/m) Date: 10-21-2024 Frequency (MHz) Site : 83CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL



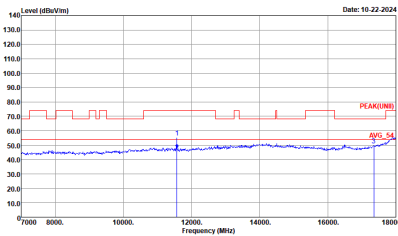
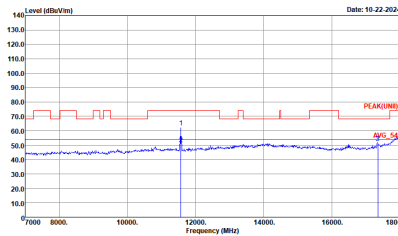
Band 4 5725~5850MHz
WIFI 802.11be EHT20 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3+4+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL :	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3+4+2	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 83CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	 Site : 83CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL

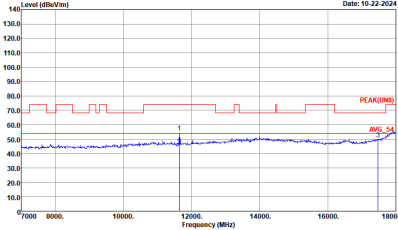
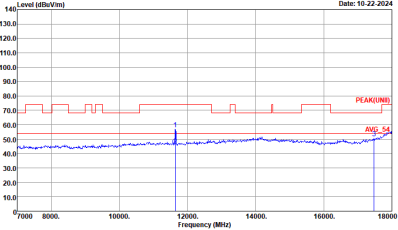


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3+4+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UH1) 3m HORN_02140_240129 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UH1) 3m HORN_02140_240129 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3+4+2	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBuV/m) Date: 10-22-2024 Site : 83CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	Level (dBuV/m) Date: 10-22-2024 Site : 83CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL



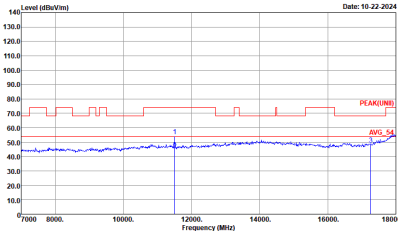
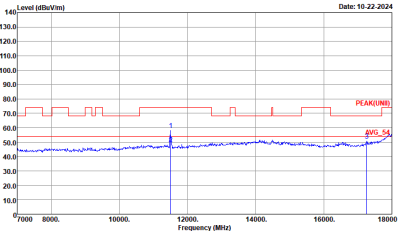
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3+4+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UH) 3m HORN_02140_240129 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UH) 3m HORN_02140_240129 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3+4+2	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBuV/m) Date: 10-22-2024 Site : 83CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	Level (dBuV/m) Date: 10-22-2024 Site : 83CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL



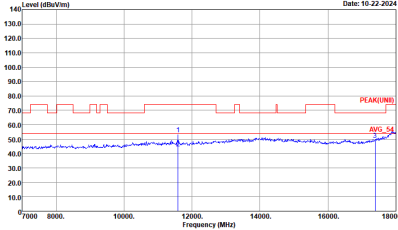
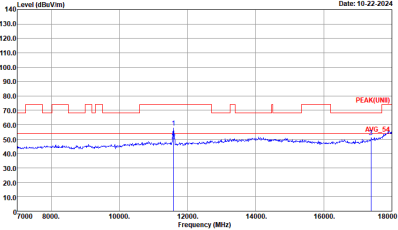
Band 4 5725~5850MHz
WIFI 802.11be EHT40 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3+4+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL : .	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL : .

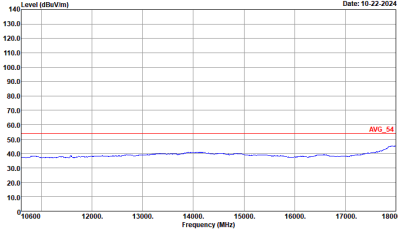
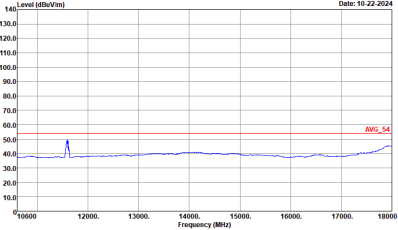


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3+4+2	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBuV/m) Date: 10-22-2024 Frequency (MHz) Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	Level (dBuV/m) Date: 10-22-2024 Frequency (MHz) Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3+4+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UH) 3m HORN_02140_240129 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UH) 3m HORN_02140_240129 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3+4+2	Horizontal	Vertical
10.6G ~18G Avg.	 Site : 83CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	 Site : 83CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL



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

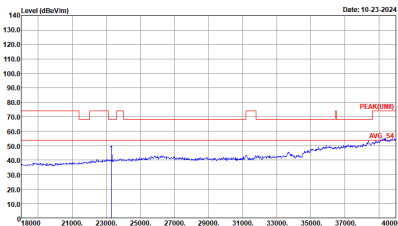
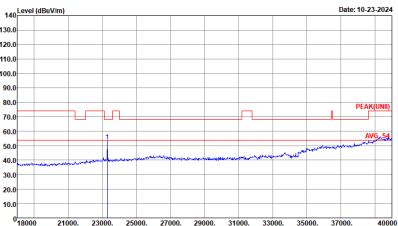
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3+4+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 10-22-2024 Frequency (MHz) Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL :	Level (dBuV/m) Date: 10-22-2024 Frequency (MHz) Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3+4+2	Horizontal	Vertical
10.6G ~18G Avg.	Level (dBuV/m) Date: 10-22-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL	Level (dBuV/m) Date: 10-22-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL

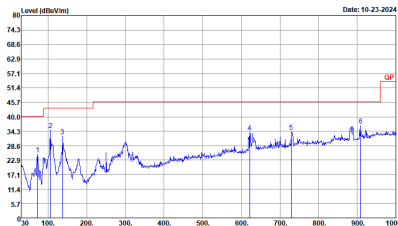
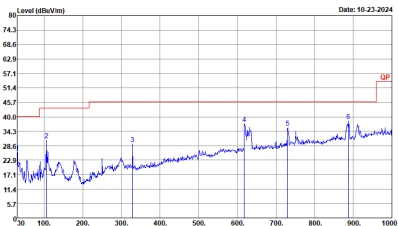


Emission above 18GHz
5GHz WIFI 802.11a (SHF @ 1m)

WIFI	5GHz WIFI	
ANT	802.11a SHF	
1+3+4+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(U01) 1m SHF_HORN_841_240807 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(U01) 1m SHF_HORN_841_240807 VERTICAL



Emission below 1GHz
5GHz WIFI 802.11a (LF @ 3m)

WIFI	5GHz WIFI	
ANT	802.11a LF	
1+3+4+2	Horizontal	Vertical
QP / Peak	 Site : 03CH02-CA Condition : QP 3m 81LOG_50392_240813_H HORIZONTAL	 Site : 03CH02-CA Condition : QP 3m 81LOG_50392_240813_H VERTICAL

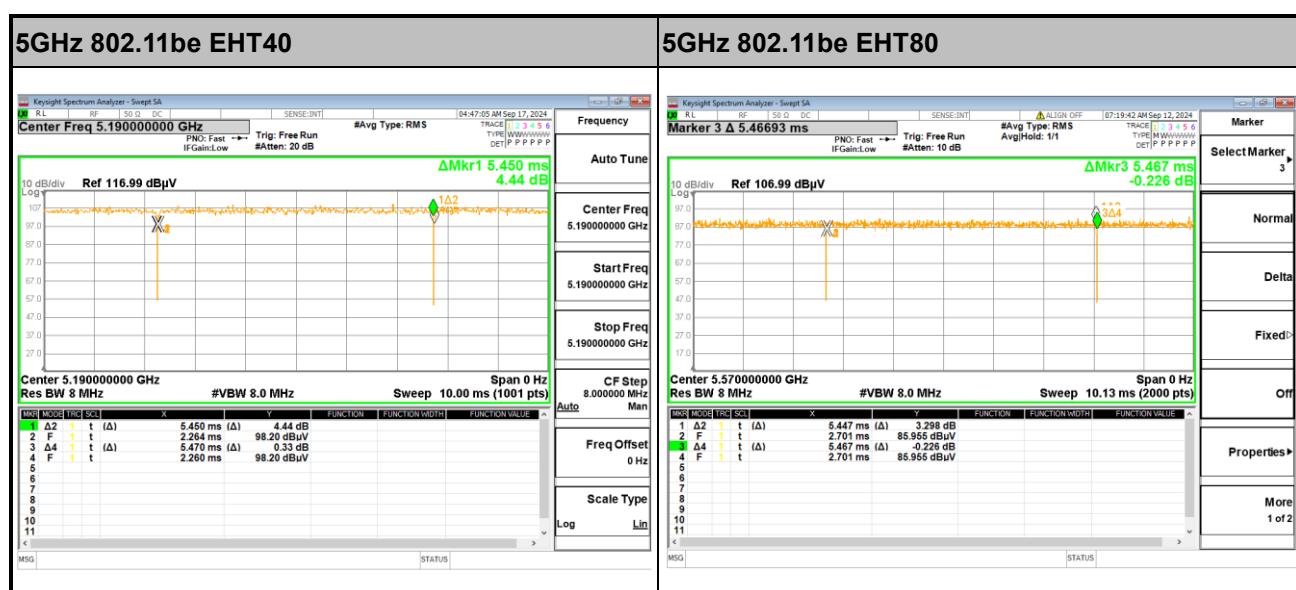
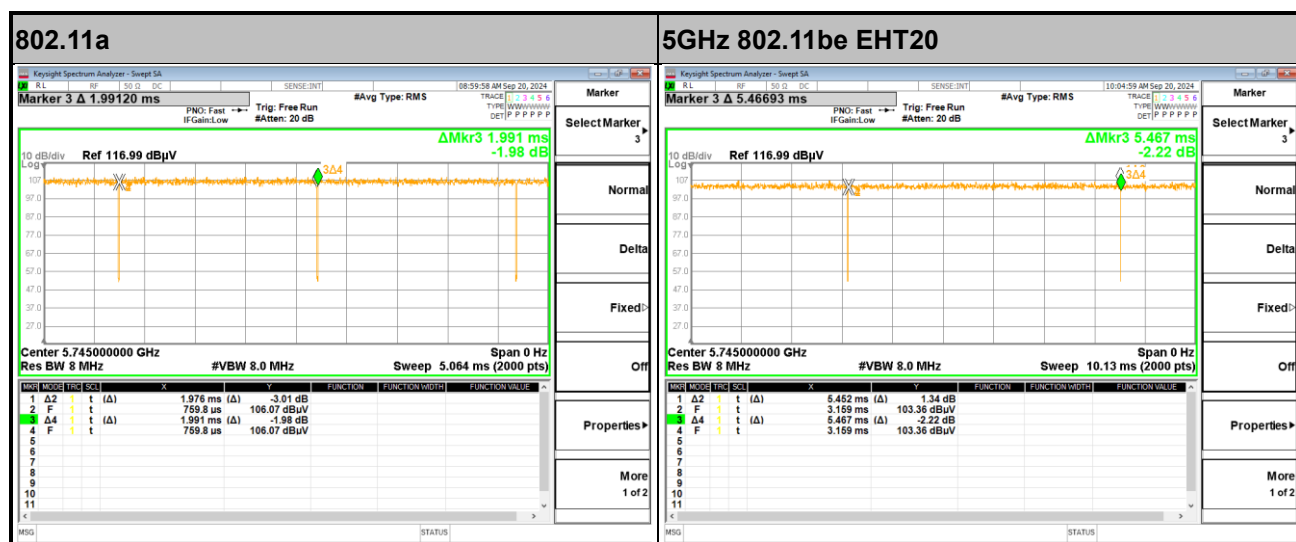


Appendix D. Duty Cycle Plots

<2x2 MIMO>

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+3	802.11a	99.25	-	-	10Hz
1+3	5GHz 802.11be EHT20	99.73	-	-	10Hz
1+3	5GHz 802.11be EHT40	99.63	-	-	10Hz
1+3	5GHz 802.11be EHT80	99.63	-	-	10Hz

MIMO <Ant. 1+3>





<4x4 MIMO>

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+3+4+2	802.11a	99.00	-	-	10Hz
1+3+4+2	5GHz 802.11be EHT20	99.63	-	-	10Hz
1+3+4+2	5GHz 802.11be EHT40	99.45	-	-	10Hz
1+3+4+2	5GHz 802.11be EHT80	99.05	-	-	10Hz

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

