



FCC RADIO TEST REPORT

FCC ID : S9GT670
Equipment : T670 Access Point
Brand Name : RUCKUS
Model Name : T670
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 Oct. 10, 2024 to Nov. 22, 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
FR231214001-03B	01	Initial issue of report	Nov. 26, 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	0.43 dB under the limit at 5639.40 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 FR231214001C. 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 Wi-Fi 2.4GHz 802.11b/g/n/ac/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be and Wi-Fi 6GHz 802.11a/n/ac/ax/be.			
Antenna Type WLAN: <Ant. 1>: Omni-Directional Antenna <Ant. 2>: Omni-Directional Antenna <Ant. 3>: Omni-Directional Antenna <Ant. 4>: Omni-Directional Antenna			
Antenna information			
5745 MHz ~ 5825 MHz	Peak Gain (dBi)	Horizontal	<Ant. 3>: 2.20 <Ant. 2>: 1.30
		Vertical	<Ant. 1>: 2.90 <Ant. 4>: 1.50

Remark:

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

1.1.1 Antenna Gain

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 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	2.20	2.90	2.90	0.00	0.00

Calculation example:

If a device has two cross-polarized antenna, $G_{ANT1} = 2.90\text{dBi}$; $G_{ANT3} = 2.20\text{dBi}$

Directional gain of power measurement = $\max(2.90, 2.20) = 2.90\text{ dBi}$

Directional gain of PSD measurement = $\max(2.90, 2.20) = 2.90\text{ dBi}$

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	2.20	1.50	1.30	2.90	5.24	0.00	0.00

Calculation example:

If a device has four cross-polarized antenna,

$G_{ANT1} = 2.90\text{dBi}$; $G_{ANT3} = 2.20\text{dBi}$; $G_{ANT4} = 1.50\text{dBi}$, $G_{ANT2} = 1.30\text{dBi}$,

Directional gain of power measurement = $\max(2.90, 2.20, 1.50, 1.30) = 2.90 \text{ dBi}$

Directional gain of PSD measurement = $\max(\text{Vertical DG}(2.90, 1.50), \text{Horizontal DG}(2.20, 1.30))$
 $= 5.24 \text{ dBi}$

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:

- The above Frequency and Channel with "*" are 802.11n HT40, 802.11ac VHT40 and 802.11ax HE40 and 802.11be EHT40.
- 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>

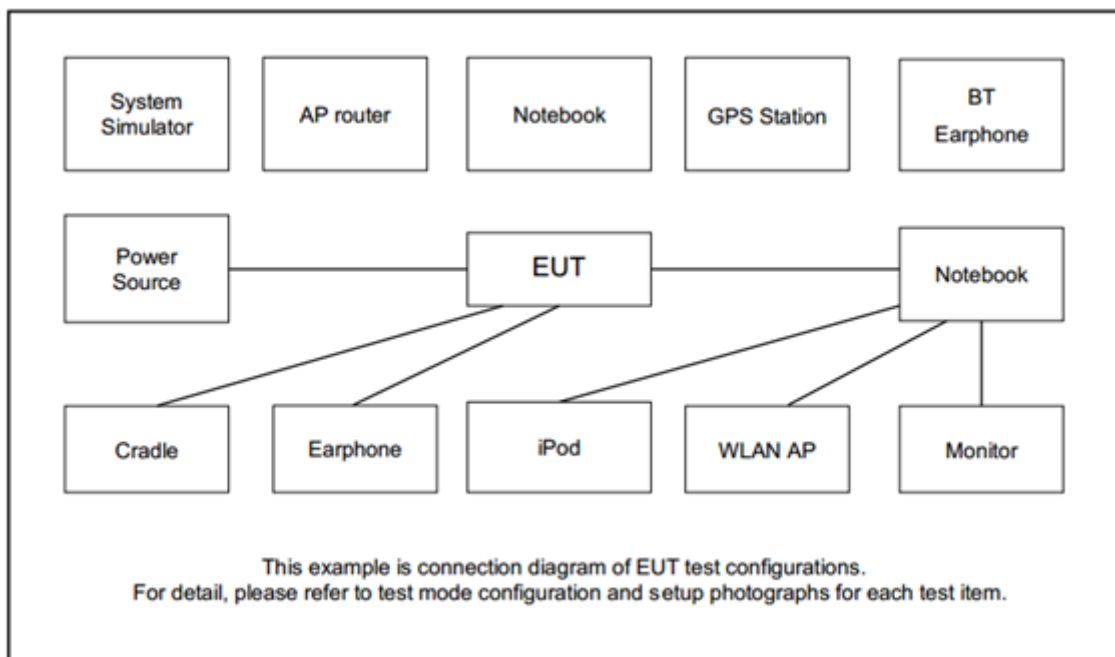
Ch. #		Band IV : 5725-5850 MHz			
		802.11a	802.11be EHT20	802.11be EHT40	802.11be EHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

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	Ruckus	740-64310-001	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “Tera Term 4.95”, “QSPR Version 6.00.00146.1” and “QSPR Version 6.00.00143.1” 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.

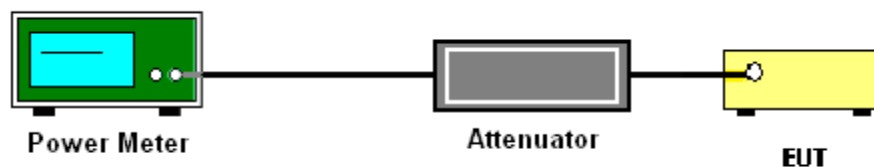
3.1.3 Test Procedures

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.

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

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.

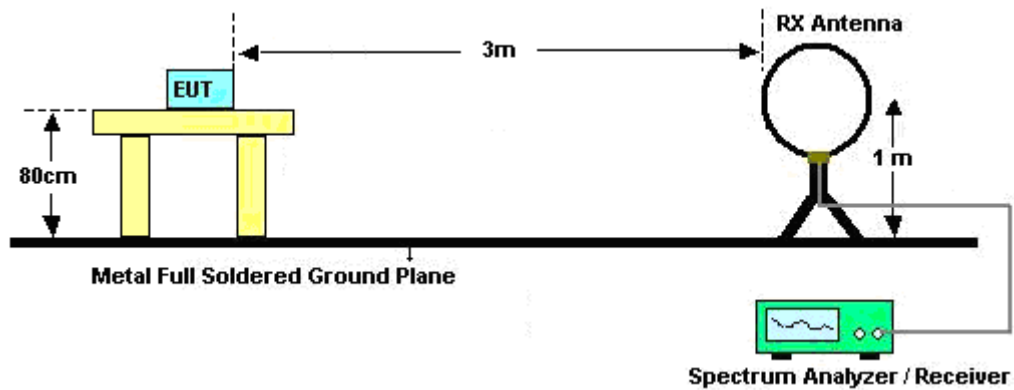
3.2.3 Test Procedures

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.

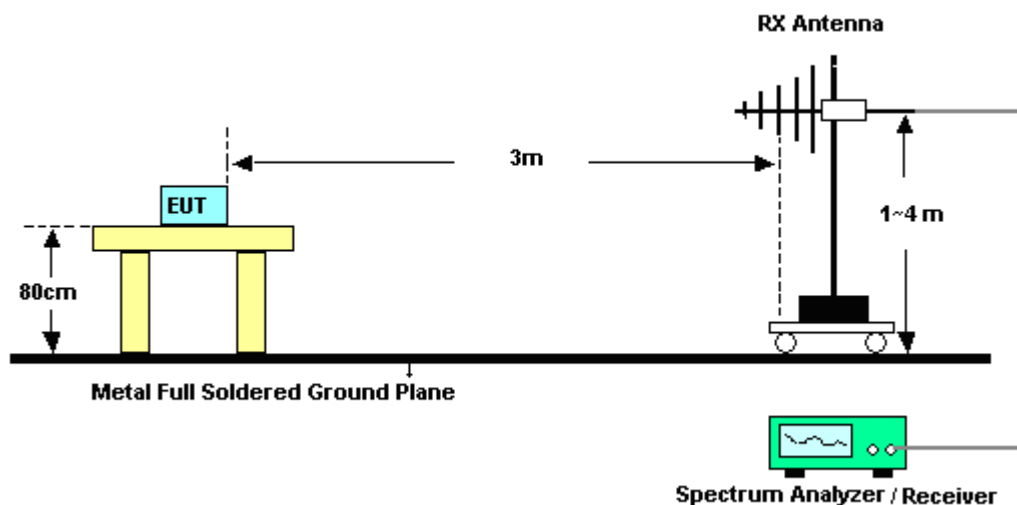
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit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

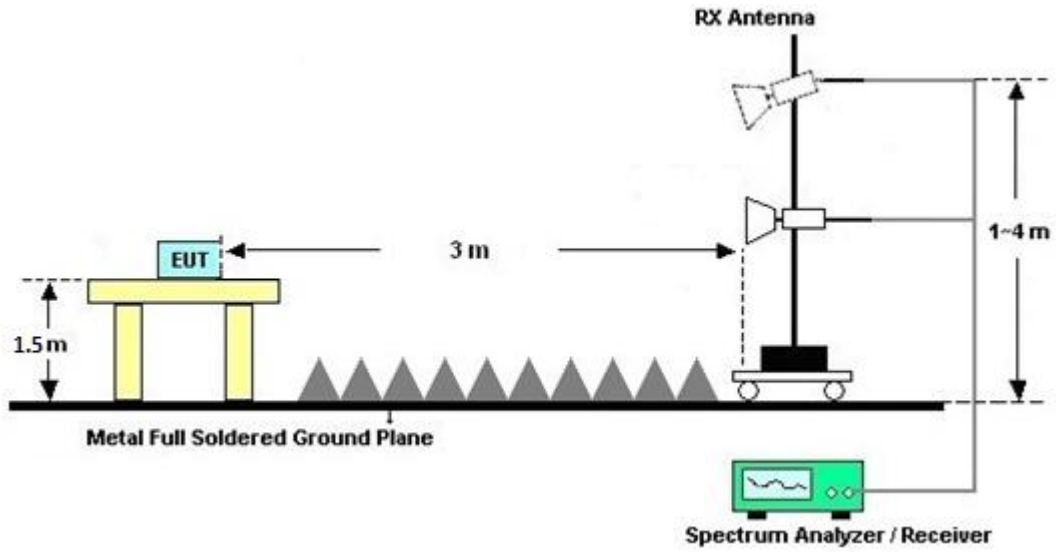
For radiated emissions below 30MHz



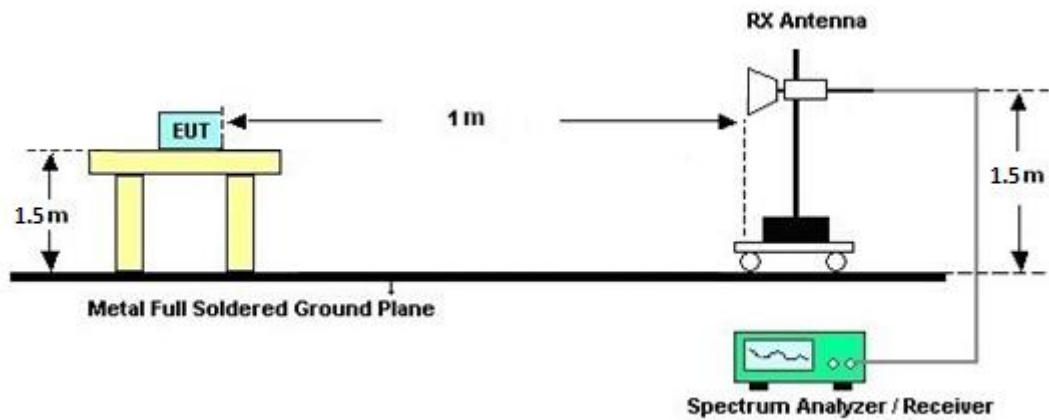
For radiated emissions from 30MHz to 1GHz



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
Bilog Antenna	TESEQ	6111D	50392	30MHz~1GHz	Aug. 13, 2024	Oct. 23, 2024~ Nov. 22, 2024	Aug. 12, 2025	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBE CK	BBHA 9120D	02113	1GHz~18GHz	Apr. 26, 2024	Oct. 23, 2024~ Nov. 22, 2024	Apr. 25, 2025	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBE CK	BBHA 9120D	02140	1GHz~18GHz	Jan. 29, 2024	Oct. 23, 2024~ Nov. 22, 2024	Jan. 28, 2025	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBE CK	BBHA9170	00841	18GHz~40GHz	Aug. 07, 2024	Oct. 23, 2024~ Nov. 22, 2024	Aug. 06, 2025	Radiation (03CH02-CA)
Amplifier	SONOMA	310N	372240	N/A	Apr. 24, 2024	Oct. 23, 2024~ Nov. 22, 2024	Apr. 23, 2025	Radiation (03CH02-CA)
Preamplifier	Keysight	83017A	MY53270323	1GHz~26.5GHz	Apr. 24, 2024	Oct. 23, 2024~ Nov. 22, 2024	Apr. 23, 2025	Radiation (03CH02-CA)
Preamplifier	E-instrument	ERA-100M-18 G-56-01-A70	EC1900252	1GHz~18GHz	Apr. 25, 2024	Oct. 23, 2024~ Nov. 22, 2024	Apr. 24, 2025	Radiation (03CH02-CA)
Preamplifier	EMEC	EMC18G40G	060725	18GHz~40GHz	Apr. 24, 2024	Oct. 23, 2024~ Nov. 22, 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. 10, 2024	Oct. 23, 2024~ Nov. 22, 2024	Oct. 09, 2025	Radiation (03CH02-CA)
High Pass Filter	WOKEN	WFIL-H8000-2 5000F-01	WR32BNW2B1	8G~25G	Jun. 04, 2024	Oct. 23, 2024~ Nov. 22, 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	Oct. 23, 2024~ Nov. 22, 2024	Jun. 03, 2025	Radiation (03CH02-CA)
Hygrometer	TESEO	608-H1	45142602	N/A	Aug. 14, 2024	Oct. 23, 2024~ Nov. 22, 2024	Aug. 13, 2025	Radiation (03CH02-CA)
Controller	ChainTek	EM-1000	060876	NA	N/A	Oct. 23, 2024~ Nov. 22, 2024	N/A	Radiation (03CH02-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Oct. 23, 2024~ Nov. 22, 2024	N/A	Radiation (03CH02-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Oct. 23, 2024~ Nov. 22, 2024	N/A	Radiation (03CH02-CA)
Software	Audix	E3	N/A	N/A	N/A	Oct. 23, 2024~ Nov. 22, 2024	N/A	Radiation (03CH02-CA)
Hygrometer	Testo	608-H1	45141354	N/A	Aug. 14, 2024	Oct. 10, 2024~ Oct. 15, 2024	Aug. 13, 2025	Conducted (TH01-CA)
Power Sensor	DARE!!	RPR3006W	RPR8W-2301002	10MHz-8GHz	Feb. 22, 2024	Oct. 10, 2024~ Oct. 15, 2024	Feb. 21, 2025	Conducted (TH01-CA)
Switch Box	EM Electronics	EMSW26	1090304	N/A	Oct. 04, 2024	Oct. 10, 2024~ Oct. 15, 2024	Oct. 03, 2025	Conducted (TH01-CA)

5 Measurement Uncertainty

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

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

Test Engineer:	Venkata Kondepudi	Temperature:	21.5~22.7	°C
Test Date:	2024/10/10~2024/10/15	Relative Humidity:	49.7~55.7	%

<2x2 Mode>

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	21.30	21.45	24.39	30.00		2.90		Pass
11a	6Mbps	2	157	5785	21.81	21.94	24.89	30.00		2.90		Pass
11a	6Mbps	2	165	5825	21.00	21.31	24.17	30.00		2.90		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	21.97	22.10	25.05	30.00		2.90		Pass
EHT20	MCS0	2	157	5785	Full	21.84	22.00	24.93	30.00		2.90		Pass
EHT20	MCS0	2	165	5825	Full	21.48	21.80	24.65	30.00		2.90		Pass
EHT40	MCS0	2	151	5755	Full	21.80	21.82	24.82	30.00		2.90		Pass
EHT40	MCS0	2	159	5795	Full	21.53	21.63	24.59	30.00		2.90		Pass
EHT80	MCS0	2	155	5775	Full	21.53	21.74	24.65	30.00		2.90		Pass

<4x4 Mode>

TEST RESULTS DATA
Average Power Table

Band IV MIMO 4Tx Mode												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	Pass/Fail
					Ant 1	Ant 3	Ant 4	Ant 2	SUM			
11a	6Mbps	4	149	5745	22.03	22.19	21.96	22.55	28.21	30.00	2.90	Pass
11a	6Mbps	4	157	5785	22.05	22.00	22.02	22.50	28.17	30.00	2.90	Pass
11a	6Mbps	4	165	5825	21.81	21.94	21.75	21.75	27.83	30.00	2.90	Pass

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

TEST RESULTS DATA
Average Power Table

Band IV MIMO 4Tx Mode													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	Pass/Fail
						Ant 1	Ant 3	Ant 4	Ant 2	SUM			
EHT20	MCS0	4	149	5745	Full	22.20	22.29	22.15	22.59	28.33	30.00	2.90	Pass
EHT20	MCS0	4	157	5785	Full	22.07	22.00	22.00	22.60	28.20	30.00	2.90	Pass
EHT20	MCS0	4	165	5825	Full	21.86	22.00	21.91	21.80	27.91	30.00	2.90	Pass
EHT40	MCS0	4	151	5755	Full	21.81	21.89	22.11	22.31	28.06	30.00	2.90	Pass
EHT40	MCS0	4	159	5795	Full	21.77	21.65	21.74	22.23	27.87	30.00	2.90	Pass
EHT80	MCS0	4	155	5775	Full	21.76	21.74	21.91	22.29	27.95	30.00	2.90	Pass

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



Appendix B. Radiated Spurious Emission

Test Engineer :	Thinh Hoang, Renz Roxas, Fred Tseng and Bill Chang	Temperature :	21.1~23.9°C
		Relative Humidity :	42.1~53.6%

<2x2 Mode>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5634.4	56.76	-11.44	68.2	40.9	33.12	12.68	29.94	392	26	P	H
		5699.6	56.99	-47.92	104.91	40.87	33.32	12.75	29.95	392	26	P	H
		5716.6	68.37	-41.48	109.85	52.13	33.42	12.77	29.95	392	26	P	H
		5722.8	70.78	-46.4	117.18	54.49	33.46	12.78	29.95	392	26	P	H
	*	5745	115.93	-	-	99.49	33.59	12.81	29.96	392	26	P	H
	*	5745	109.2	-	-	92.76	33.59	12.81	29.96	392	26	A	H
													H
													H
		5636	56.97	-11.23	68.2	41.11	33.12	12.68	29.94	282	318	P	V
		5699.6	60.01	-44.9	104.91	43.89	33.32	12.75	29.95	282	318	P	V
		5720	70.89	-39.91	110.8	54.62	33.44	12.78	29.95	282	318	P	V
		5720	70.89	-39.91	110.8	54.62	33.44	12.78	29.95	282	318	P	V
	*	5745	118.68	-	-	102.24	33.59	12.81	29.96	282	318	P	V
	*	5745	111.63	-	-	95.19	33.59	12.81	29.96	282	318	A	V
													V
													V



WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 157 5785MHz		5627.8	56.2	-12	68.2	40.36	33.11	12.67	29.94	387	27	P	H
		5666	55.88	-24.2	80.08	39.92	33.2	12.71	29.95	387	27	P	H
		5713	56.05	-52.79	108.84	39.83	33.4	12.77	29.95	387	27	P	H
		5723	56.88	-60.76	117.64	40.59	33.46	12.78	29.95	387	27	P	H
	*	5785	116.63	-	-	99.87	33.86	12.87	29.97	387	27	P	H
	*	5785	109.71	-	-	92.95	33.86	12.87	29.97	387	27	A	H
		5851	57.25	-62.67	119.92	40.27	34.08	12.91	30.01	387	27	P	H
		5856.8	57.85	-52.45	110.3	40.86	34.09	12.91	30.01	387	27	P	H
		5890.2	57.84	-36.08	93.92	40.77	34.15	12.93	30.01	387	27	P	H
		5940.8	56.83	-11.37	68.2	39.66	34.2	13	30.03	387	27	P	H
													H
													H
		5609.2	56.49	-11.71	68.2	40.69	33.08	12.65	29.93	333	318	P	V
		5664.8	56.3	-22.89	79.19	40.34	33.2	12.71	29.95	333	318	P	V
		5702.2	56.92	-48.9	105.82	40.78	33.34	12.75	29.95	333	318	P	V
		5725	57.24	-64.96	122.2	40.94	33.47	12.78	29.95	333	318	P	V
	*	5785	119.06	-	-	102.3	33.86	12.87	29.97	333	318	P	V
	*	5785	112.06	-	-	95.3	33.86	12.87	29.97	333	318	A	V
		5852	57.77	-59.87	117.64	40.79	34.08	12.91	30.01	333	318	P	V
		5856.4	58.08	-52.33	110.41	41.09	34.09	12.91	30.01	333	318	P	V
		5880.4	57.48	-43.71	101.19	40.44	34.13	12.92	30.01	333	318	P	V
		5935.4	56.91	-11.29	68.2	39.74	34.2	12.99	30.02	333	318	P	V
													V
													V

[illegible]

[illegible]



WiFi	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 157 5785MHz		11570	46.64	-27.36	74	56.18	39.04	18.74	67.32	-	-	P	H
		17355	48.63	-19.57	68.2	54.56	38.67	23.31	67.91	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	47.76	-26.24	74	57.3	39.04	18.74	67.32	-	-	P	V
		17355	48.42	-19.78	68.2	54.35	38.67	23.31	67.91	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 165 5825MHz		11570	46.31	-27.69	74	55.85	39.04	18.74	67.32	-	-	P	H
		17355	48.67	-19.53	68.2	54.6	38.67	23.31	67.91	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	46.47	-27.53	74	56.01	39.04	18.74	67.32	-	-	P	V
		17355	48.94	-19.26	68.2	54.87	38.67	23.31	67.91	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
												V	
												V	
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limitline.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 4 5725~5850MHz

WIFI 802.11be EHT20_Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preampl	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 EHT20 Full CH 149 5745MHz		5621.2	55.69	-12.51	68.2	39.87	33.1	12.66	29.94	400	31	P	H
		5698	60.23	-43.5	103.73	44.11	33.32	12.75	29.95	400	31	P	H
		5719.2	72.75	-37.83	110.58	56.48	33.44	12.78	29.95	400	31	P	H
		5725	71.72	-50.48	122.2	55.42	33.47	12.78	29.95	400	31	P	H
	*	5745	116.76	-	-	100.32	33.59	12.81	29.96	400	31	P	H
	*	5745	109.07	-	-	92.63	33.59	12.81	29.96	400	31	A	H
													H
													H
		5641.4	57.39	-10.81	68.2	41.52	33.13	12.69	29.95	316	318	P	V
		5693.6	63.43	-37.05	100.48	47.34	33.3	12.74	29.95	316	318	P	V
		5711.6	71.64	-36.81	108.45	55.43	33.39	12.77	29.95	316	318	P	V
		5725	72.3	-49.9	122.2	56	33.47	12.78	29.95	316	318	P	V
	*	5745	119.39	-	-	102.95	33.59	12.81	29.96	316	318	P	V
	*	5745	111.25	-	-	94.81	33.59	12.81	29.96	316	318	A	V
													V
													V



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 EHT20 Full CH 157 5785MHz		5638.8	56.48	-11.72	68.2	40.62	33.13	12.68	29.95	400	28	P	H
		5675.6	55.85	-31.33	87.18	39.84	33.24	12.72	29.95	400	28	P	H
		5713.2	56.67	-52.23	108.9	40.45	33.4	12.77	29.95	400	28	P	H
		5725	56.12	-66.08	122.2	39.82	33.47	12.78	29.95	400	28	P	H
	*	5785	116.48	-	-	99.72	33.86	12.87	29.97	400	28	P	H
	*	5785	108.88	-	-	92.12	33.86	12.87	29.97	400	28	A	H
		5853.8	57.67	-55.87	113.54	40.69	34.08	12.91	30.01	400	28	P	H
		5858.8	57.39	-52.34	109.73	40.4	34.09	12.91	30.01	400	28	P	H
		5883.6	57.92	-40.89	98.81	40.87	34.14	12.92	30.01	400	28	P	H
		5928.4	56.18	-12.02	68.2	39.03	34.19	12.98	30.02	400	28	P	H
													H
													H
		5614	56.23	-11.97	68.2	40.42	33.09	12.66	29.94	334	319	P	V
		5682.2	56.7	-35.37	92.07	40.66	33.26	12.73	29.95	334	319	P	V
		5719.6	56.52	-54.17	110.69	40.25	33.44	12.78	29.95	334	319	P	V
		5724.6	57.3	-63.99	121.29	41	33.47	12.78	29.95	334	319	P	V
	*	5785	118.54	-	-	101.78	33.86	12.87	29.97	334	319	P	V
	*	5785	111.24	-	-	94.48	33.86	12.87	29.97	334	319	A	V
		5852.4	58.03	-58.7	116.73	41.05	34.08	12.91	30.01	334	319	P	V
		5869.8	57.95	-48.7	106.65	40.93	34.11	12.92	30.01	334	319	P	V
		5875.6	56.69	-48.06	104.75	39.66	34.12	12.92	30.01	334	319	P	V
		5925.4	56.46	-11.74	68.2	39.32	34.19	12.97	30.02	334	319	P	V
													V
													V



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 EHT20 Full CH 165 5825MHz	*	5825	115.56	-	-	98.63	34.02	12.9	29.99	400	27	P	H
	*	5825	108.38	-	-	91.45	34.02	12.9	29.99	400	27	A	H
		5851.8	67.55	-50.55	118.1	50.57	34.08	12.91	30.01	400	27	P	H
		5855	67.66	-43.14	110.8	50.68	34.08	12.91	30.01	400	27	P	H
		5877.6	58.26	-45.01	103.27	41.22	34.13	12.92	30.01	400	27	P	H
		5937.2	56.38	-11.82	68.2	39.21	34.2	12.99	30.02	400	27	P	H
													H
													H
	*	5825	118.52	-	-	101.59	34.02	12.9	29.99	325	317	P	V
	*	5825	110.94	-	-	94.01	34.02	12.9	29.99	325	317	A	V
		5850.4	73.17	-48.12	121.29	56.2	34.07	12.91	30.01	325	317	P	V
		5855	68.18	-42.62	110.8	51.2	34.08	12.91	30.01	325	317	P	V
		5875	60.76	-44.44	105.2	43.73	34.12	12.92	30.01	325	317	P	V
		5948	56.79	-11.41	68.2	39.6	34.21	13.01	30.03	325	317	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	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11be EHT40 Full CH 151 5755MHz		5643.4	56.55	-11.65	68.2	40.68	33.13	12.69	29.95	400	15	P	H
		5700	68.15	-37.05	105.2	52.03	33.32	12.75	29.95	400	15	P	H
		5719.2	73.3	-37.28	110.58	57.03	33.44	12.78	29.95	400	15	P	H
		5724	75.09	-44.83	119.92	58.79	33.47	12.78	29.95	400	15	P	H
	*	5755	114.87	-	-	98.35	33.65	12.83	29.96	400	15	P	H
	*	5755	105.64	-	-	89.12	33.65	12.83	29.96	400	15	A	H
		5851	59.45	-60.47	119.92	42.47	34.08	12.91	30.01	400	15	P	H
		5855.2	58.88	-51.86	110.74	41.9	34.08	12.91	30.01	400	15	P	H
		5880	56.82	-44.67	101.49	39.78	34.13	12.92	30.01	400	15	P	H
		5937.6	56.34	-11.86	68.2	39.18	34.2	12.99	30.03	400	15	P	H
													H
													H
		5612.8	56.39	-11.81	68.2	40.59	33.09	12.65	29.94	358	315	P	V
		5697.8	66.59	-36.99	103.58	50.47	33.32	12.75	29.95	358	315	P	V
		5711.4	72.06	-36.33	108.39	55.85	33.39	12.77	29.95	358	315	P	V
		5720.4	71.86	-39.85	111.71	55.59	33.44	12.78	29.95	358	315	P	V
	*	5755	115.11	-	-	98.59	33.65	12.83	29.96	358	315	P	V
	*	5755	107.53	-	-	91.01	33.65	12.83	29.96	358	315	A	V
		5854	59.79	-53.29	113.08	42.81	34.08	12.91	30.01	358	315	P	V
		5859.6	59.74	-49.77	109.51	42.75	34.09	12.91	30.01	358	315	P	V
		5877.4	57.27	-46.15	103.42	40.23	34.13	12.92	30.01	358	315	P	V
		5940	56.33	-11.87	68.2	39.16	34.2	13	30.03	358	315	P	V
													V
													V



WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11be EHT40 Full CH 159 5795MHz		5647.8	56.94	-11.26	68.2	41.06	33.14	12.69	29.95	400	18	P	H
		5698.8	56.89	-47.43	104.32	40.77	33.32	12.75	29.95	400	18	P	H
		5713	63.44	-45.4	108.84	47.22	33.4	12.77	29.95	400	18	P	H
		5722	64.44	-50.92	115.36	48.16	33.45	12.78	29.95	400	18	P	H
	*	5795	112.86	-	-	96.02	33.93	12.88	29.97	400	18	P	H
	*	5795	105.25	-	-	88.41	33.93	12.88	29.97	400	18	A	H
		5852.2	71.11	-46.07	117.18	54.13	34.08	12.91	30.01	400	18	P	H
		5855.2	67.98	-42.76	110.74	51	34.08	12.91	30.01	400	18	P	H
		5875.6	62.45	-42.3	104.75	45.42	34.12	12.92	30.01	400	18	P	H
		5933.4	56.25	-11.95	68.2	39.08	34.2	12.99	30.02	400	18	P	H
													H
													H
		5642.8	55.88	-12.32	68.2	40.01	33.13	12.69	29.95	302	317	P	V
		5697	57.65	-45.34	102.99	41.54	33.31	12.75	29.95	302	317	P	V
		5719	62.79	-47.73	110.52	46.52	33.44	12.78	29.95	302	317	P	V
		5724.6	63.28	-58.01	121.29	46.98	33.47	12.78	29.95	302	317	P	V
	*	5795	115.77	-	-	98.93	33.93	12.88	29.97	302	317	P	V
	*	5795	108	-	-	91.16	33.93	12.88	29.97	302	317	A	V
		5852	74.56	-43.08	117.64	57.58	34.08	12.91	30.01	302	317	P	V
		5855	69.33	-41.47	110.8	52.35	34.08	12.91	30.01	302	317	P	V
		5878.2	62.45	-40.37	102.82	45.41	34.13	12.92	30.01	302	317	P	V
		5932	56.24	-11.96	68.2	39.08	34.2	12.98	30.02	302	317	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	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 CH 155 5775MHz		5649	56.7	-11.5	68.2	40.82	33.14	12.69	29.95	392	27	P	H
		5689.8	61.51	-36.17	97.68	45.43	33.29	12.74	29.95	392	27	P	H
		5718.8	105.63	-4.83	110.46	89.37	33.43	12.78	29.95	392	27	P	H
		5723.2	106.03	-12.07	118.1	89.74	33.46	12.78	29.95	392	27	P	H
	*	5755	109.84	-	-	93.32	33.65	12.83	29.96	392	27	P	H
	*	5755	100.86	-	-	84.34	33.65	12.83	29.96	392	27	A	H
		5850.8	58.71	-61.67	120.38	41.73	34.08	12.91	30.01	392	27	P	H
		5860.6	59.85	-49.38	109.23	42.86	34.09	12.91	30.01	392	27	P	H
		5883.4	57.35	-41.61	98.96	40.3	34.14	12.92	30.01	392	27	P	H
		5941.8	57.33	-10.87	68.2	40.16	34.2	13	30.03	392	27	P	H
													H
													H
		5648.8	57.25	-10.95	68.2	41.37	33.14	12.69	29.95	299	317	P	V
		5698.6	66.31	-37.86	104.17	50.19	33.32	12.75	29.95	299	317	P	V
		5719.6	110.01	-0.68	110.69	93.74	33.44	12.78	29.95	299	317	P	V
		5722.2	110.48	-5.34	115.82	94.2	33.45	12.78	29.95	299	317	P	V
	*	5755	112.24	-	-	95.72	33.65	12.83	29.96	299	317	P	V
	*	5755	102.86	-	-	86.34	33.65	12.83	29.96	299	317	A	V
		5854	61.15	-51.93	113.08	44.17	34.08	12.91	30.01	299	317	P	V
		5855.2	60.6	-50.14	110.74	43.62	34.08	12.91	30.01	299	317	P	V
		5904.6	57.8	-25.46	83.26	40.69	34.18	12.94	30.01	299	317	P	V
		5945.8	55.98	-12.22	68.2	38.8	34.2	13.01	30.03	299	317	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		39978	53.99	-20.01	74	36.17	43.96	27.51	53.65	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		39340	55.21	-18.79	74	37.03	45.13	26.92	53.87	-	-	P	V
													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 with sufficient margin against limit line or noise floor only.												

Emission below 1GHz

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

[illegible]



<4x4 Mode>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3+4+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5633.8	57.66	-10.54	68.2	41.8	33.12	12.68	29.94	297	316	P	H
		5695	58.99	-42.52	101.51	42.89	33.31	12.74	29.95	297	316	P	H
		5712	69.47	-39.09	108.56	53.26	33.39	12.77	29.95	297	316	P	H
		5723.4	67.06	-51.49	118.55	50.77	33.46	12.78	29.95	297	316	P	H
	*	5745	122.24	-	-	105.8	33.59	12.81	29.96	297	316	P	H
	*	5745	115.51	-	-	99.07	33.59	12.81	29.96	297	316	A	H
													H
													H
		5622.4	57.77	-10.43	68.2	41.95	33.1	12.66	29.94	366	43	P	V
		5699.2	61.05	-43.56	104.61	44.93	33.32	12.75	29.95	366	43	P	V
		5720	72.2	-38.6	110.8	55.93	33.44	12.78	29.95	366	43	P	V
		5720	72.2	-38.6	110.8	55.93	33.44	12.78	29.95	366	43	P	V
	*	5745	122.04	-	-	105.6	33.59	12.81	29.96	366	43	P	V
	*	5745	114.82	-	-	98.38	33.59	12.81	29.96	366	43	A	V
													V
													V



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 CH 157 5785MHz		5639	57.31	-10.89	68.2	41.45	33.13	12.68	29.95	307	315	P	H
		5698.8	57.45	-46.87	104.32	41.33	33.32	12.75	29.95	307	315	P	H
		5719	57.68	-52.84	110.52	41.41	33.44	12.78	29.95	307	315	P	H
		5724.8	57.56	-64.18	121.74	41.26	33.47	12.78	29.95	307	315	P	H
	*	5785	121.91	-	-	105.15	33.86	12.87	29.97	307	315	P	H
	*	5785	115.08	-	-	98.32	33.86	12.87	29.97	307	315	A	H
		5854.2	59.75	-52.87	112.62	42.77	34.08	12.91	30.01	307	315	P	H
		5861.6	58.49	-50.46	108.95	41.49	34.1	12.91	30.01	307	315	P	H
		5914.4	58.65	-17.37	76.02	41.54	34.18	12.95	30.02	307	315	P	H
		5950	59.73	-8.47	68.2	42.53	34.21	13.02	30.03	307	315	P	H
													H
													H
		5627.4	57.24	-10.96	68.2	41.4	33.11	12.67	29.94	399	42	P	V
		5678.6	56.13	-33.27	89.4	40.1	33.25	12.73	29.95	399	42	P	V
		5717.2	56.32	-53.7	110.02	40.07	33.43	12.77	29.95	399	42	P	V
		5725	57.02	-65.18	122.2	40.72	33.47	12.78	29.95	399	42	P	V
	*	5785	121.83	-	-	105.07	33.86	12.87	29.97	399	42	P	V
	*	5785	114.54	-	-	97.78	33.86	12.87	29.97	399	42	A	V
		5851	57.53	-62.39	119.92	40.55	34.08	12.91	30.01	399	42	P	V
		5864	58.69	-49.59	108.28	41.68	34.1	12.92	30.01	399	42	P	V
		5879.2	57.74	-44.34	102.08	40.7	34.13	12.92	30.01	399	42	P	V
		5944.2	57.6	-10.6	68.2	40.42	34.2	13.01	30.03	399	42	P	V
													V
													V

[illegible]



Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 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 CH 149 5745MHz		11490	61.63	-12.37	74	71.24	39.19	18.68	67.48	100	299	P	H
		11490	52	-2	54	61.61	39.19	18.68	67.48	100	299	A	H
		17235	57.87	-10.33	68.2	64.12	38.39	23.17	67.81	221	338	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	55.17	-18.83	74	64.78	39.19	18.68	67.48	200	312	P	V
		11490	44.42	-9.58	54	54.03	39.19	18.68	67.48	200	312	A	V
		17230	53.83	-14.37	68.2	60.1	38.37	23.17	67.81	400	359	P	V
													V
													V
													V
													V
													V
													V
													V
													V



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 CH 157 5785MHz		11570	62.02	-11.98	74	71.56	39.04	18.74	67.32	185	296	P	H
		11570	52.3	-1.7	54	61.84	39.04	18.74	67.32	185	296	A	H
		17355	50.33	-17.87	68.2	56.26	38.67	23.31	67.91	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	54.8	-19.2	74	64.34	39.04	18.74	67.32	296	305	P	V
		11570	44.88	-9.12	54	54.42	39.04	18.74	67.32	296	305	A	V
		17355	49.24	-18.96	68.2	55.17	38.67	23.31	67.91	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V



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 CH 165 5825MHz		11650	63.01	-10.99	74	72.63	38.82	18.81	67.25	183	300	P	H
		11650	52.73	-1.27	54	62.35	38.82	18.81	67.25	183	300	A	H
		17475	50.22	-17.98	68.2	55.7	39.17	23.45	68.1	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11650	55.3	-18.7	74	64.92	38.82	18.81	67.25	282	359	P	V
		11650	44.73	-9.27	54	54.35	38.82	18.81	67.25	282	359	A	V
		17475	49.31	-18.89	68.2	54.79	39.17	23.45	68.1	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 4 5725~5850MHz

WIFI 802.11be EHT20_Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3+4+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11be EHT20 Full CH 149 5745MHz		5609.2	57.78	-10.42	68.2	41.98	33.08	12.65	29.93	306	318	P	H
		5691.6	61.94	-37.07	99.01	45.86	33.29	12.74	29.95	306	318	P	H
		5713.2	74.63	-34.27	108.9	58.41	33.4	12.77	29.95	306	318	P	H
		5724.4	71.89	-48.94	120.83	55.59	33.47	12.78	29.95	306	318	P	H
	*	5745	122.29	-	-	105.85	33.59	12.81	29.96	306	318	P	H
	*	5745	115.13	-	-	98.69	33.59	12.81	29.96	306	318	A	H
													H
													H
		5611.4	56.95	-11.25	68.2	41.15	33.08	12.65	29.93	385	45	P	V
		5699.8	62.05	-43	105.05	45.93	33.32	12.75	29.95	385	45	P	V
		5719.8	75.31	-35.43	110.74	59.04	33.44	12.78	29.95	385	45	P	V
		5721.2	75.96	-37.58	113.54	59.68	33.45	12.78	29.95	385	45	P	V
	*	5745	122.14	-	-	105.7	33.59	12.81	29.96	385	45	P	V
	*	5745	114.94	-	-	98.5	33.59	12.81	29.96	385	45	A	V
													V
													V



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)
802.11be EHT20 Full CH 157 5785MHz		5631.4	57.09	-11.11	68.2	41.24	33.12	12.67	29.94	332	304	P	H
		5678.2	56.84	-32.27	89.11	40.81	33.25	12.73	29.95	332	304	P	H
		5717.8	57.85	-52.33	110.18	41.6	33.43	12.77	29.95	332	304	P	H
		5722.2	58.35	-57.47	115.82	42.07	33.45	12.78	29.95	332	304	P	H
	*	5785	121.53	-	-	104.77	33.86	12.87	29.97	332	304	P	H
	*	5785	114.64	-	-	97.88	33.86	12.87	29.97	332	304	A	H
		5850.2	59.74	-62	121.74	42.77	34.07	12.91	30.01	332	304	P	H
		5855.4	59.44	-51.25	110.69	42.46	34.08	12.91	30.01	332	304	P	H
		5886.6	58.38	-38.21	96.59	41.32	34.15	12.92	30.01	332	304	P	H
		5936.4	58.51	-9.69	68.2	41.34	34.2	12.99	30.02	332	304	P	H
													H
													H
		5630	57.62	-10.58	68.2	41.78	33.11	12.67	29.94	172	301	P	V
		5688.6	56.52	-40.27	96.79	40.45	33.28	12.74	29.95	172	301	P	V
		5719.8	57.23	-53.51	110.74	40.96	33.44	12.78	29.95	172	301	P	V
		5724.6	60.02	-61.27	121.29	43.72	33.47	12.78	29.95	172	301	P	V
	*	5785	121.59	-	-	104.83	33.86	12.87	29.97	172	301	P	V
	*	5785	114.72	-	-	97.96	33.86	12.87	29.97	172	301	A	V
		5850.4	59.23	-62.06	121.29	42.26	34.07	12.91	30.01	172	301	P	V
		5860.2	57.94	-51.4	109.34	40.95	34.09	12.91	30.01	172	301	P	V
		5901.8	58.06	-27.27	85.33	40.97	34.17	12.93	30.01	172	301	P	V
		5930.6	58.94	-9.26	68.2	41.79	34.19	12.98	30.02	172	301	P	V
													V
													V



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)
802.11be EHT20 Full CH 165 5825MHz	*	5825	121.27	-	-	104.34	34.02	12.9	29.99	345	318	P	H
	*	5825	113.77	-	-	96.84	34.02	12.9	29.99	345	318	A	H
		5851.2	74.28	-45.18	119.46	57.3	34.08	12.91	30.01	345	318	P	H
		5860	71.75	-37.65	109.4	54.76	34.09	12.91	30.01	345	318	P	H
		5880.8	62.04	-38.85	100.89	45	34.13	12.92	30.01	345	318	P	H
		5939.8	57.69	-10.51	68.2	40.52	34.2	13	30.03	345	318	P	H
													H
													H
	*	5825	119.78	-	-	102.85	34.02	12.9	29.99	168	301	P	V
	*	5825	113.64	-	-	96.71	34.02	12.9	29.99	168	301	A	V
		5850	73.38	-48.82	122.2	56.41	34.07	12.91	30.01	168	301	P	V
		5860	67.52	-41.88	109.4	50.53	34.09	12.91	30.01	168	301	P	V
		5877.4	59.02	-44.4	103.42	41.98	34.13	12.92	30.01	168	301	P	V
		5934.6	56.94	-11.26	68.2	39.77	34.2	12.99	30.02	168	301	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)

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)
802.11be EHT20 Full CH 149 5745MHz		11490	60.78	-13.22	74	70.39	39.19	18.68	67.48	100	301	P	H
		11490	51.07	-2.93	54	60.68	39.19	18.68	67.48	100	301	A	H
		17230	56.68	-11.52	68.2	62.95	38.37	23.17	67.81	303	306	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	51.61	-22.39	74	61.22	39.19	18.68	67.48	200	313	P	V
		11490	43.58	-10.42	54	53.19	39.19	18.68	67.48	200	313	A	V
		17230	53.48	-14.72	68.2	59.75	38.37	23.17	67.81	202	341	P	V
													V
													V
													V
													V
													V
													V
													V



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)
802.11be EHT20 Full CH 157 5785MHz		11570	60.99	-13.01	74	70.53	39.04	18.74	67.32	183	313	P	H
		11570	50.52	-3.48	54	60.06	39.04	18.74	67.32	183	313	A	H
		17355	57.46	-10.74	68.2	63.39	38.67	23.31	67.91	400	22	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11570	56.74	-17.26	74	66.28	39.04	18.74	67.32	205	311	P	V
		11570	46.45	-7.55	54	55.99	39.04	18.74	67.32	205	311	A	V
		17355	51.18	-17.02	68.2	57.11	38.67	23.31	67.91	-	-	P	V
													V
													V
													V
													V
													V
													V

[illegible]



Band 4 5725~5850MHz

WIFI 802.11be EHT40_Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3+4+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11be EHT40 Full CH 151 5755MHz		5642.6	58.16	-10.04	68.2	42.29	33.13	12.69	29.95	298	318	P	H
		5682.6	69.82	-22.54	92.36	53.78	33.26	12.73	29.95	298	318	P	H
		5719	73.99	-36.53	110.52	57.72	33.44	12.78	29.95	298	318	P	H
		5722.6	74.82	-41.91	116.73	58.53	33.46	12.78	29.95	298	318	P	H
	*	5755	119.65	-	-	103.13	33.65	12.83	29.96	298	318	P	H
	*	5755	112.34	-	-	95.82	33.65	12.83	29.96	298	318	A	H
		5850.8	61.31	-59.07	120.38	44.33	34.08	12.91	30.01	298	318	P	H
		5859.6	60.6	-48.91	109.51	43.61	34.09	12.91	30.01	298	318	P	H
		5882.2	59.15	-40.7	99.85	42.1	34.14	12.92	30.01	298	318	P	H
		5938	58.81	-9.39	68.2	41.65	34.2	12.99	30.03	298	318	P	H
													H
													H
		5642.2	57.87	-10.33	68.2	42	33.13	12.69	29.95	400	43	P	V
		5690	70.03	-27.8	97.83	53.95	33.29	12.74	29.95	400	43	P	V
		5718.6	79.85	-30.56	110.41	63.59	33.43	12.78	29.95	400	43	P	V
		5721.6	77.14	-37.31	114.45	60.86	33.45	12.78	29.95	400	43	P	V
	*	5755	120.67	-	-	104.15	33.65	12.83	29.96	400	43	P	V
	*	5755	111.83	-	-	95.31	33.65	12.83	29.96	400	43	A	V
		5850.2	61.11	-60.63	121.74	44.14	34.07	12.91	30.01	400	43	P	V
		5855.2	59.08	-51.66	110.74	42.1	34.08	12.91	30.01	400	43	P	V
		5892.6	58.47	-33.67	92.14	41.39	34.16	12.93	30.01	400	43	P	V
		5937.2	57.9	-10.3	68.2	40.73	34.2	12.99	30.02	400	43	P	V
													V
													V



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)
802.11be EHT40 Full CH 159 5795MHz		5648.2	57.35	-10.85	68.2	41.47	33.14	12.69	29.95	300	309	P	H
		5657.8	58.28	-15.71	73.99	42.36	33.17	12.7	29.95	300	309	P	H
		5716.6	61.07	-48.78	109.85	44.83	33.42	12.77	29.95	300	309	P	H
		5724.2	68.76	-51.62	120.38	52.46	33.47	12.78	29.95	300	309	P	H
	*	5795	121.05	-	-	104.21	33.93	12.88	29.97	300	309	P	H
	*	5795	112.23	-	-	95.39	33.93	12.88	29.97	300	309	A	H
		5852	72.3	-45.34	117.64	55.32	34.08	12.91	30.01	300	309	P	H
		5861.6	72.85	-36.1	108.95	55.85	34.1	12.91	30.01	300	309	P	H
		5878.8	64.78	-37.6	102.38	47.74	34.13	12.92	30.01	300	309	P	H
		5931.8	59.21	-8.99	68.2	42.06	34.19	12.98	30.02	300	309	P	H
													H
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		5628.6	57.22	-10.98	68.2	41.38	33.11	12.67	29.94	400	43	P	V
		5700	58.15	-47.05	105.2	42.03	33.32	12.75	29.95	400	43	P	V
		5720	64.4	-46.4	110.8	48.13	33.44	12.78	29.95	400	43	P	V
		5721.8	66.63	-48.27	114.9	50.35	33.45	12.78	29.95	400	43	P	V
	*	5795	119.82	-	-	102.98	33.93	12.88	29.97	400	43	P	V
	*	5795	111.26	-	-	94.42	33.93	12.88	29.97	400	43	A	V
		5850	68.8	-53.4	122.2	51.83	34.07	12.91	30.01	400	43	P	V
		5866.8	69.42	-38.07	107.49	52.4	34.11	12.92	30.01	400	43	P	V
		5876.4	63.78	-40.38	104.16	46.74	34.13	12.92	30.01	400	43	P	V
		5939.6	57.76	-10.44	68.2	40.59	34.2	13	30.03	400	43	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	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)
802.11be EHT40 Full CH 151 5755MHz		11510	61.4	-12.6	74	71.02	39.14	18.68	67.44	178	301	P	H
		11510	51.87	-2.13	54	61.49	39.14	18.68	67.44	178	301	A	H
		17265	56.24	-11.96	68.2	62.42	38.44	23.21	67.83	313	306	P	H
													H
													H
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													H
													H
													H
		11510	53.85	-20.15	74	63.47	39.14	18.68	67.44	314	18	P	V
		11510	44.33	-9.67	54	53.95	39.14	18.68	67.44	314	18	A	V
		17265	52.44	-15.76	68.2	58.62	38.44	23.21	67.83	400	11	P	V
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Band 4 5725~5850MHz

WIFI 802.11be EHT80_Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3+4+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11be EHT80 Full CH 155 5775MHz		5649.4	63.89	-4.31	68.2	48.01	33.14	12.69	29.95	348	303	P	H
		5698.6	70.15	-34.02	104.17	54.03	33.32	12.75	29.95	348	303	P	H
		5719	74.25	-36.27	110.52	57.98	33.44	12.78	29.95	348	303	P	H
		5725	80.86	-41.34	122.2	64.56	33.47	12.78	29.95	348	303	P	H
	*	5770	116.92	-	-	100.27	33.76	12.85	29.96	348	303	P	H
	*	5788	109.02	-	-	92.24	33.88	12.87	29.97	348	303	A	H
		5854.8	76.71	-34.55	111.26	59.73	34.08	12.91	30.01	348	303	P	H
		5874	75.82	-29.66	105.48	58.79	34.12	12.92	30.01	348	303	P	H
		5880.4	73.5	-27.69	101.19	56.46	34.13	12.92	30.01	348	303	P	H
		5932.6	66.65	-1.55	68.2	49.48	34.2	12.99	30.02	348	303	P	H
													H
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		5639.4	67.77	-0.43	68.2	51.91	33.13	12.68	29.95	400	49	P	V
		5699.8	71.06	-33.99	105.05	54.94	33.32	12.75	29.95	400	49	P	V
		5718.6	77.08	-33.33	110.41	60.82	33.43	12.78	29.95	400	49	P	V
		5721.4	76.21	-37.78	113.99	59.93	33.45	12.78	29.95	400	49	P	V
	*	5775	116.67	-	-	99.99	33.79	12.86	29.97	400	49	P	V
	*	5775	108.55	-	-	91.87	33.79	12.86	29.97	400	49	A	V
		5855	70.12	-40.68	110.8	53.14	34.08	12.91	30.01	400	49	P	V
		5865.4	76.35	-31.54	107.89	59.34	34.1	12.92	30.01	400	49	P	V
		5884.2	72.87	-25.5	98.37	55.82	34.14	12.92	30.01	400	49	P	V
		5928.8	61.29	-6.91	68.2	44.14	34.19	12.98	30.02	400	49	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 EHT20 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+4+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11be EHT20 Full SHF		39824	53.35	-20.65	74	35.84	43.89	27.37	53.75	-	-	P	H
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Emission below 1GHz

5GHz WIFI 802.11be EHT20 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+4+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11be EHT20 Full LF		30	22.33	-17.67	40	28.98	24.81	0.99	32.45	-	-	P	H
		121.18	27.26	-16.24	43.5	40.32	17.53	1.86	32.45	-	-	P	H
		249.96	27.09	-18.91	46	38.58	18.19	2.75	32.43	-	-	P	H
		312.47	25.69	-20.31	46	35.64	19.45	3.08	32.48	-	-	P	H
		633.769	29.21	-16.79	46	31.12	26.34	4.37	32.62	-	-	P	H
		825.151	31.39	-14.61	46	30.38	27.99	5.1	32.08	-	-	P	H
													H
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		56.32	28.04	-11.96	40	47.34	11.88	1.3	32.48	-	-	P	V
		112.25	28.67	-14.83	43.5	42.2	17.05	1.85	32.43	-	-	P	V
		241.03	26.85	-19.15	46	39.28	17.3	2.7	32.43	-	-	P	V
		634.771	30.66	-15.34	46	32.51	26.4	4.37	32.62	-	-	P	V
		747.997	30.84	-15.16	46	30.52	28.01	4.75	32.44	-	-	P	V
		965.932	33.27	-20.73	54	28.06	30.81	5.51	31.11	-	-	P	V
													V
													V
												V	
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												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 Margin line.
P/A	P eak or A verage
H/V	H orizontal or V ertical

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3+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".



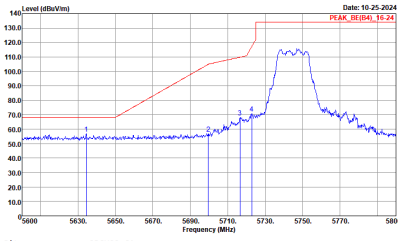
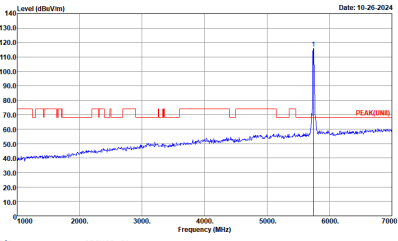
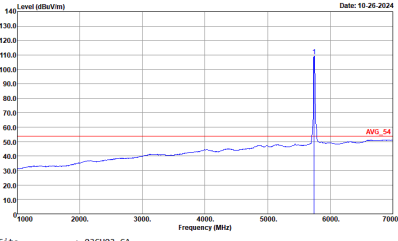
Appendix C. Radiated Spurious Emission Plots

Test Engineer :	Thinh Hoang, Renz Roxas, Fred Tseng and Bill Chang	Temperature :	21.1~23.9°C
		Relative Humidity :	42.1~53.6%

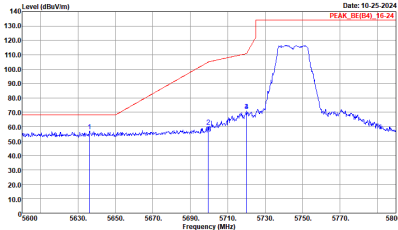
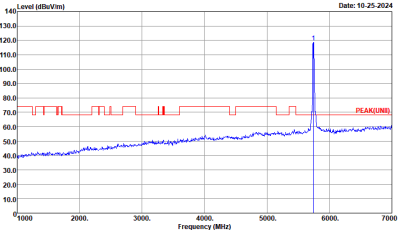
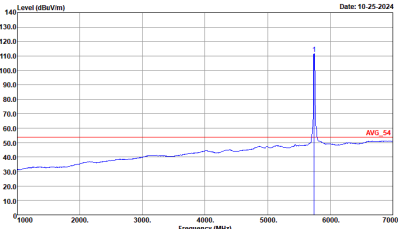


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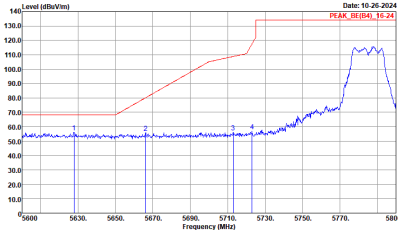
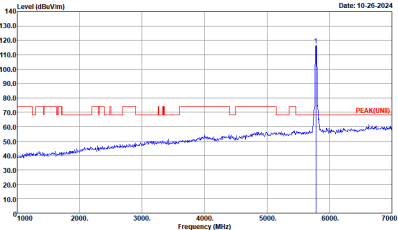
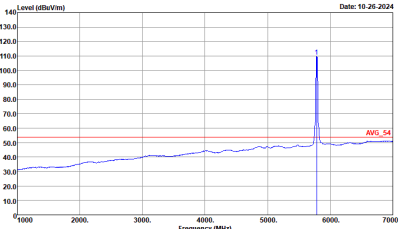
Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

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

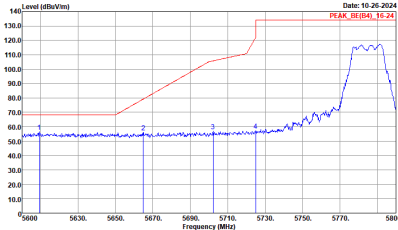
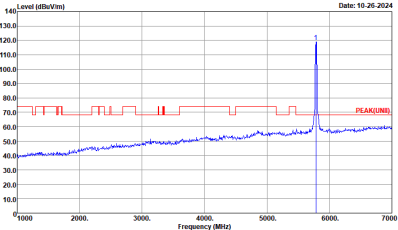
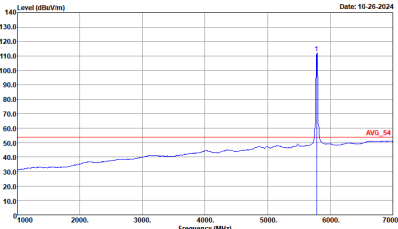


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(LIN1) 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz 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

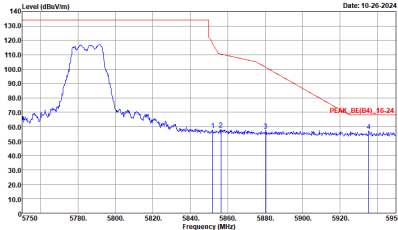


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_03140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Left blank

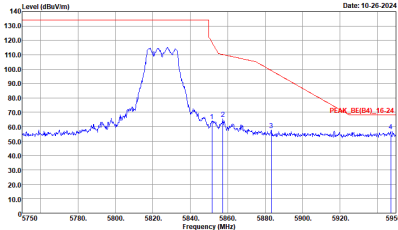
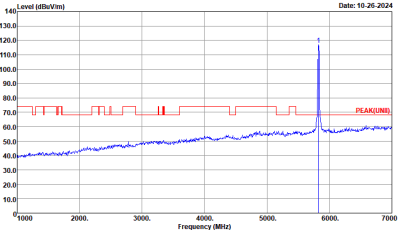
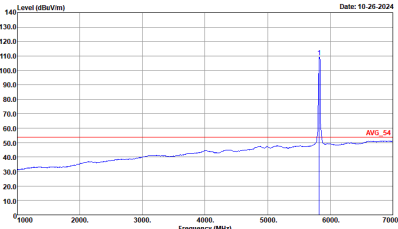


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(001) 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:0.010kHz 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_BE(04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Left blank



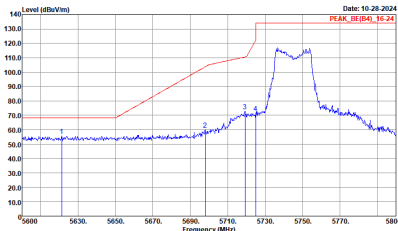
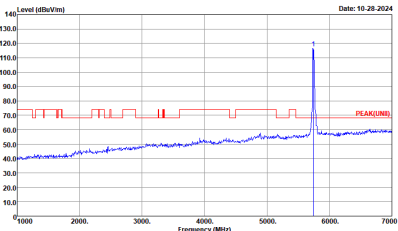
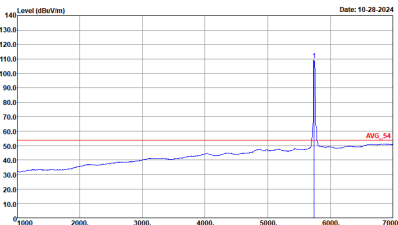
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_B4(04)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(LNB) 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz 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



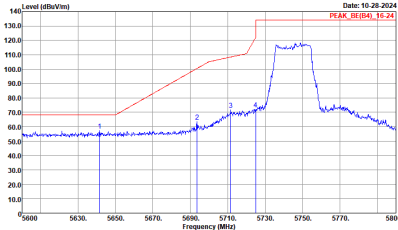
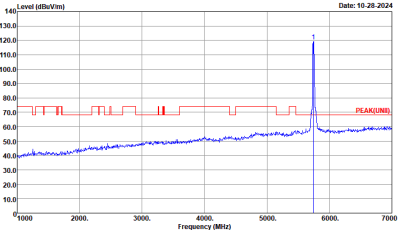
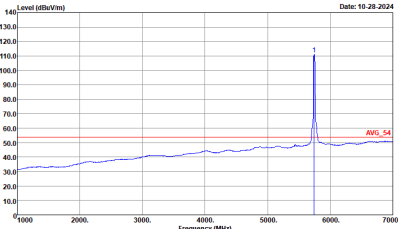
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+3	Vertical	Fundamental
Peak	Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Site : 03CH02-CA Condition : PEAK(LNB) 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:0.010kHz SMT:Auto



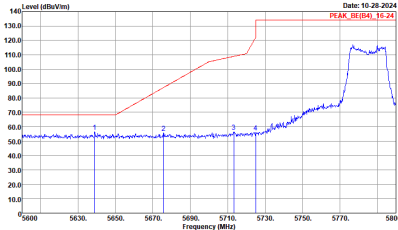
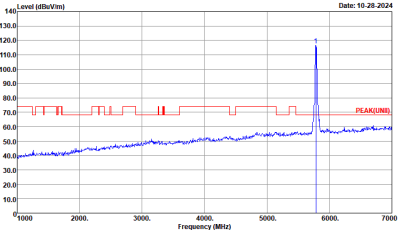
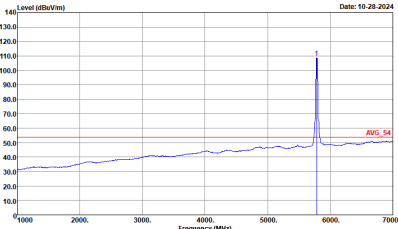
Band 4 5725~5850MHz
WIFI 802.11be EHT20 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(149)_16-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(149)_1 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_14 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto

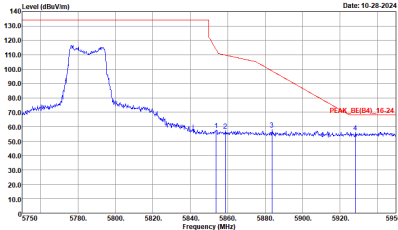


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE (04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK (INT1) 3m HORN_02140_240129 VERTICAL 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

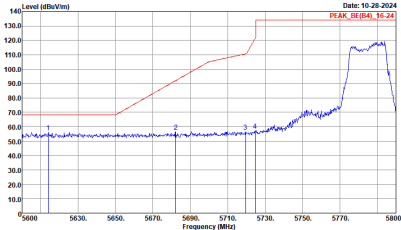
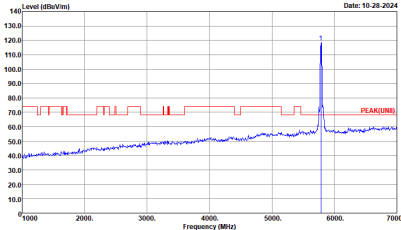
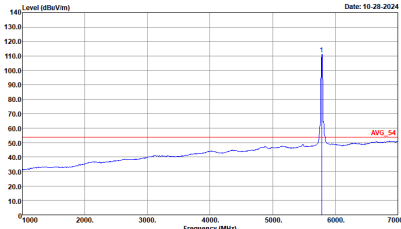


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(LIN1) 3m HORN_02140_240129 HORIZONTAL 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

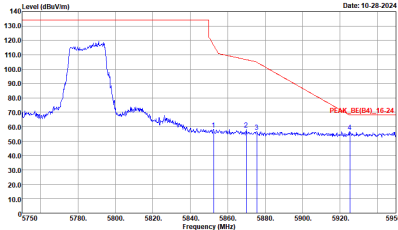


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_03140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank

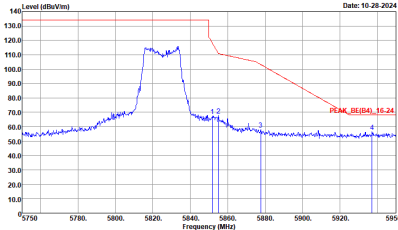
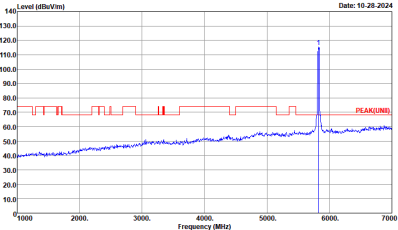
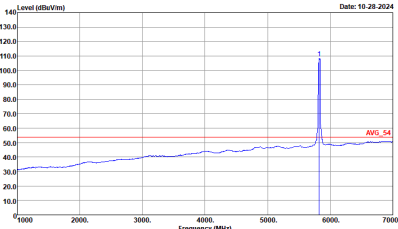


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE (04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK (INT1) 3m HORN_02140_240129 VERTICAL 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

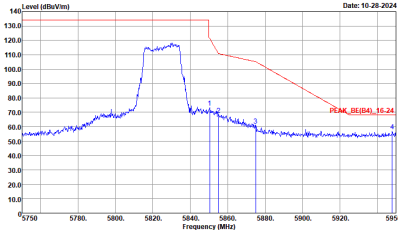
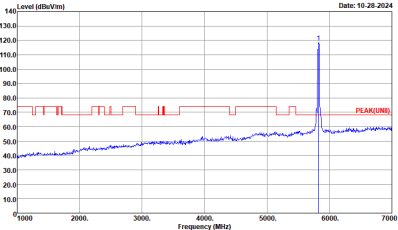
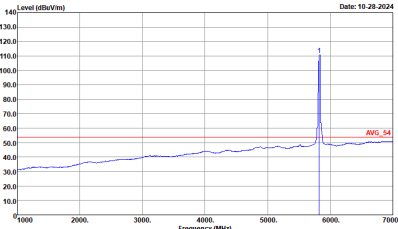


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_03140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Left blank



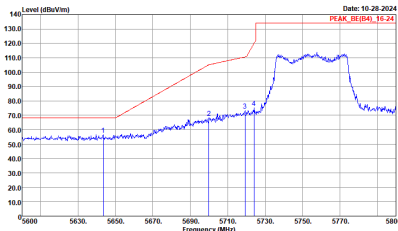
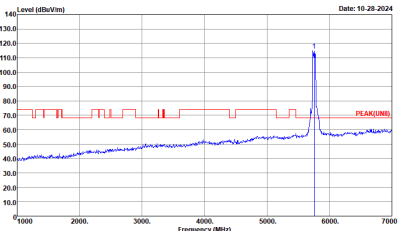
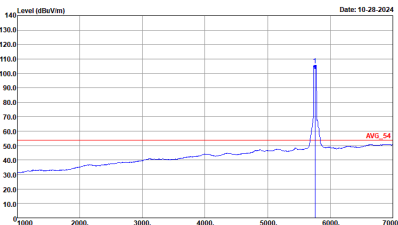
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(LNB) 3m HORN_02140_240129 HORIZONTAL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



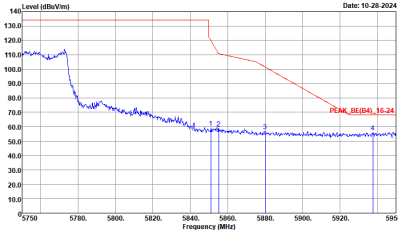
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE (04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK (04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
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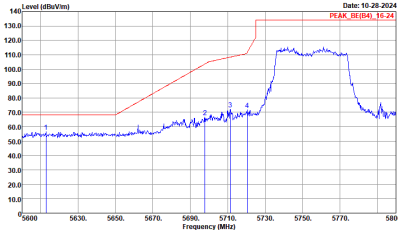
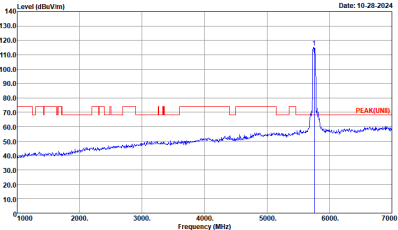
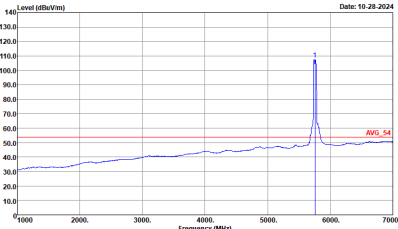
Band 4 5725~5850MHz
WIFI 802.11be EHT40 Full (Band Edge @ 3m)

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(16)_24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(16)_24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_16 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SMT:Auto

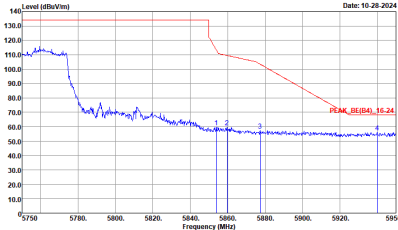


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_03140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Left blank

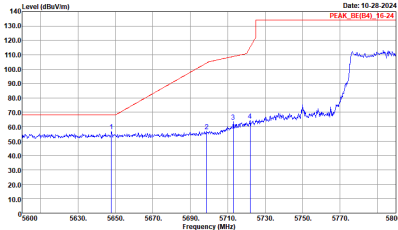
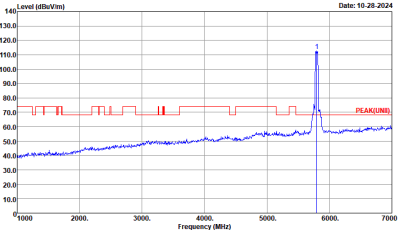
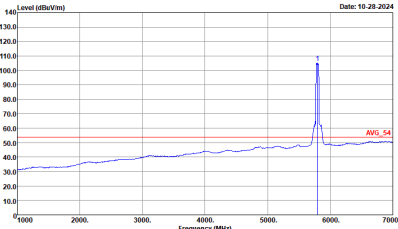


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(LIN) 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz 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

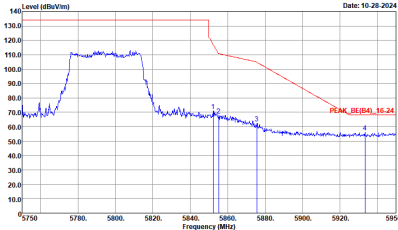


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_03140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Left blank

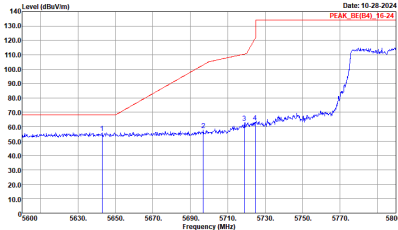
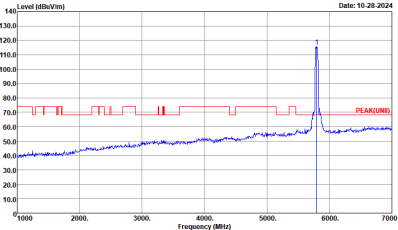
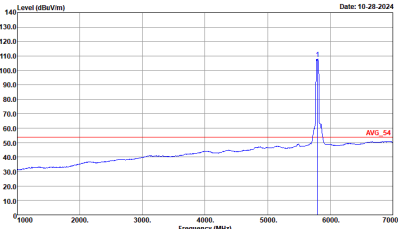


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(LIN1) 3m HORN_02140_240129 HORIZONTAL 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

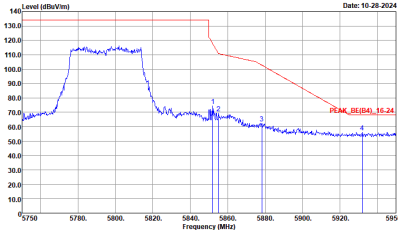


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_03140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Left blank



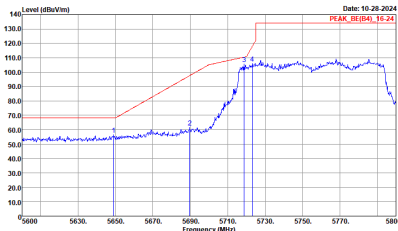
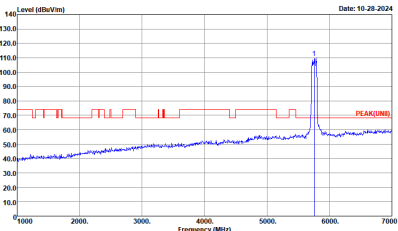
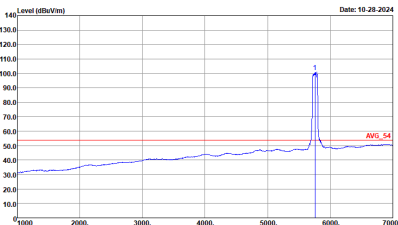
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE (04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK (INT1) 3m HORN_02140_240129 VERTICAL 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



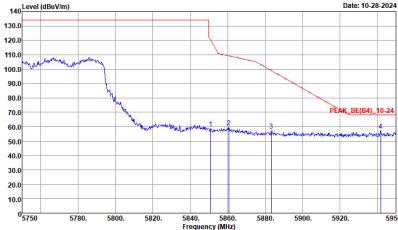
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_03140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank



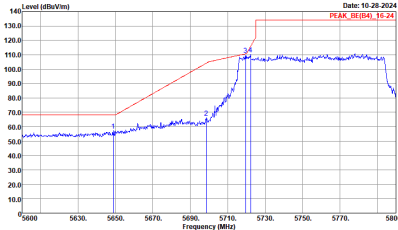
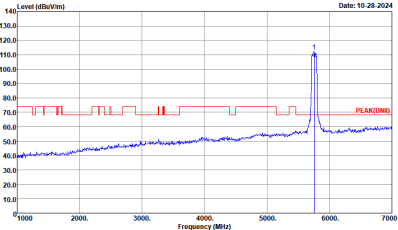
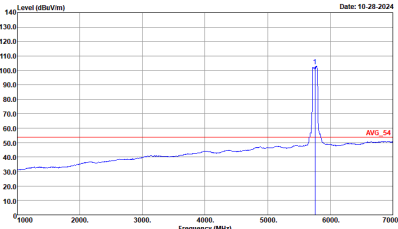
Band 4 5725~5850MHz
WIFI 802.11be EHT80 Full (Band Edge @ 3m)

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(16)_24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(16)_24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
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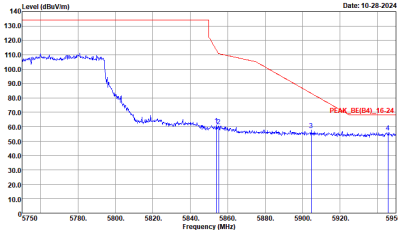


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_03140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank



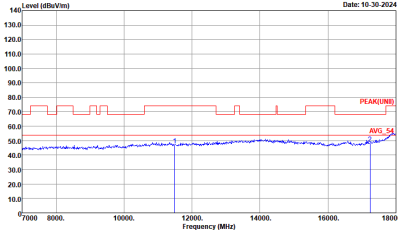
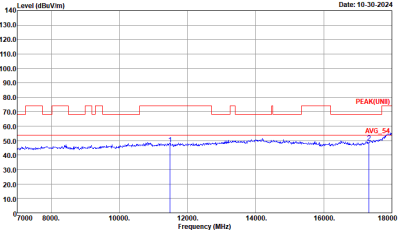
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(LNB) 3m HORN_02140_240129 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_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_BE(04)_16-24 3m HORN_03140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Left blank



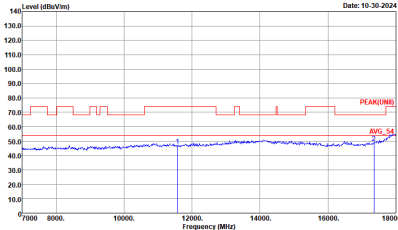
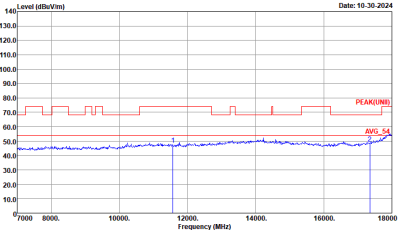
Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

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 (dBV/m) Date: 10-30-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	Level (dBV/m) Date: 10-30-2024 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: 10-30-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	Level (dBuV/m) Date: 10-30-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL :



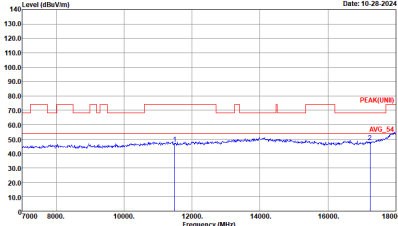
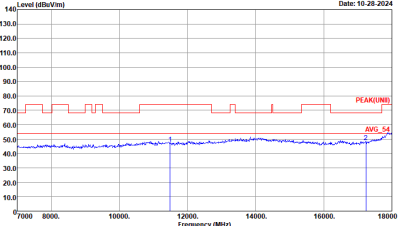
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+3	Horizontal	Vertical
Peak Avg.	Level (dBV/m) Date: 10-30-2024 PEAK (UWB) AVG (S) Site : 03CH02-CA Condition : PEAK (UWB) 3m HORN_02140_240129 HORIZONTAL	Level (dBV/m) Date: 10-30-2024 PEAK (UWB) AVG (S) Site : 03CH02-CA Condition : PEAK (UWB) 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 (dBV/m) Date: 10-30-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	Level (dBV/m) Date: 10-30-2024 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 : 03CH82-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL :	 Site : 03CH82-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 (dBV/m) Date: 10-28-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	Level (dBV/m) Date: 10-28-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL :

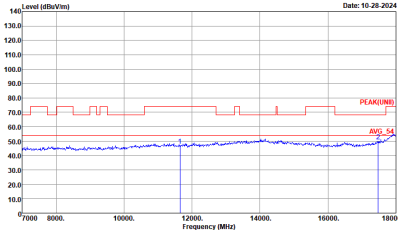
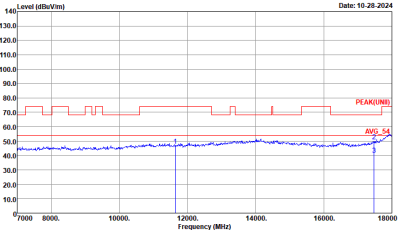


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Horizontal	Vertical
Peak Avg.	Level (dBV/m) 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 PEAK(HB) Avg. 54 Frequency (MHz) 7000 8000 10000 12000 14000 16000 18000 Date: 10-28-2024 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL :	Level (dBV/m) 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 PEAK(VB) Avg. 54 Frequency (MHz) 7000 8000 10000 12000 14000 16000 18000 Date: 10-28-2024 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL :

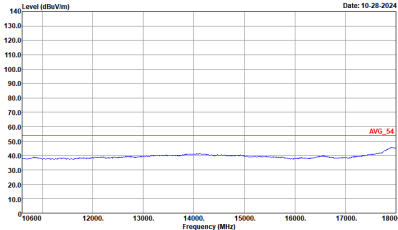
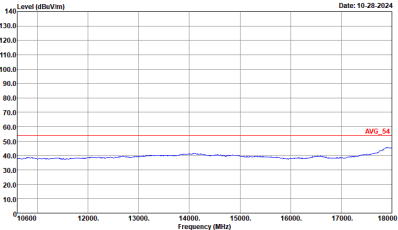


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3	Horizontal	Vertical
10.6G~ 18G Avg.	Level (dBV/m) Date: 10-28-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	Level (dBV/m) Date: 10-28-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 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(UNIT) 3m HORN_02140_240129 VERTICAL :	 Site : 03CH02-CA Condition : PEAK(UNIT) 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.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	 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 (dBV/m) Date: 10-28-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	Level (dBV/m) Date: 10-28-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL :



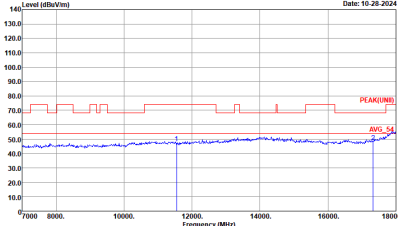
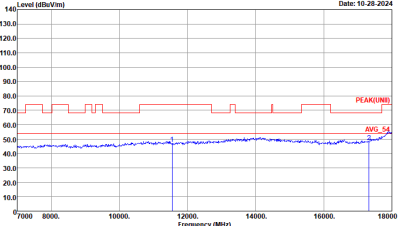
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3	Horizontal	Vertical
Peak Avg.	Level (dBV/m) Date: 10-28-2024 PEAK (UWB) AVG_54 Site : 03CH02-CA Condition : PEAK (UWB) 3m HORN_02140_240129 HORIZONTAL	Level (dBV/m) Date: 10-28-2024 PEAK (UWB) AVG_54 Site : 03CH02-CA Condition : PEAK (UWB) 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 (dBV/m) Date: 10-28-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	Level (dBV/m) Date: 10-28-2024 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 : 03CH82-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL :	 Site : 03CH82-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 (dBV/m) Date: 10-28-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	Level (dBV/m) Date: 10-28-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL :

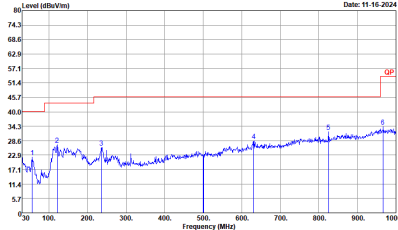
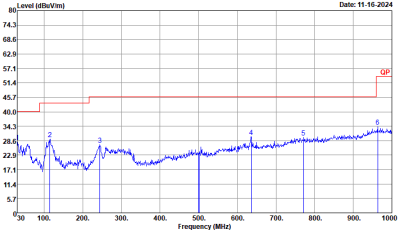


Emission above 18GHz
5GHz WIFI 802.11be EHT80 Full (SHF @ 1m)

WIFI	5GHz WIFI	
ANT	802.11be EHT80 Full SHF	
1+3	Horizontal	Vertical
Peak Avg.	Level (dBV/m) Date: 11-16-2024 Site : 03CH02-CA Condition : PEAK (UNB) 1m SHF_HORN_841_240807 HORIZONTAL	Level (dBV/m) Date: 11-16-2024 Site : 03CH02-CA Condition : PEAK (UNB) 1m SHF_HORN_841_240807 VERTICAL



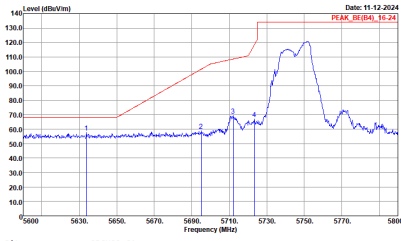
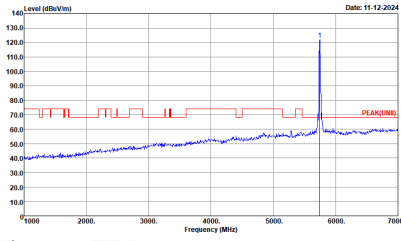
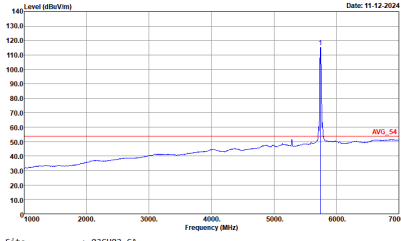
Emission below 1GHz
5GHz WIFI 802.11be EHT80 Full (LF @ 3m)

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



<4x4 Mode>

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_BE(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_S4 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SMT:Auto

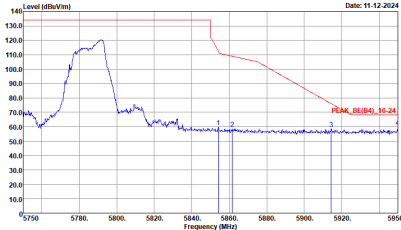


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1+3+4+2	Vertical	Fundamental
Peak	Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz 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

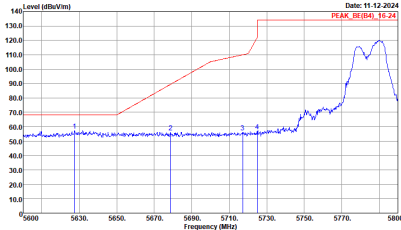
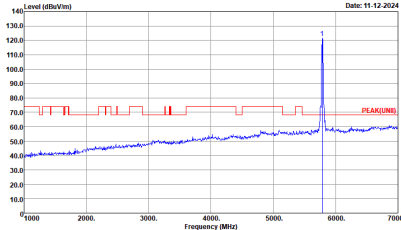
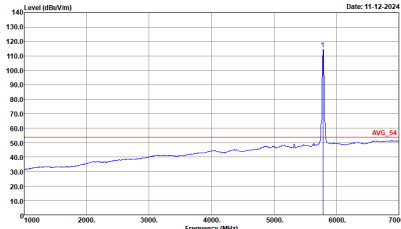


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3+4+2	Horizontal	Fundamental
Peak	Site : 03CH02-CA Condition : PEAK_BE(04)_15-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz 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

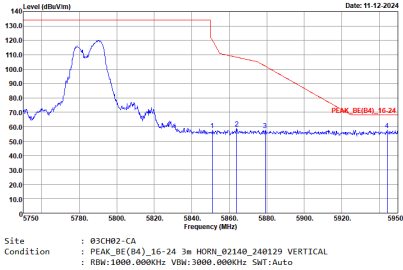


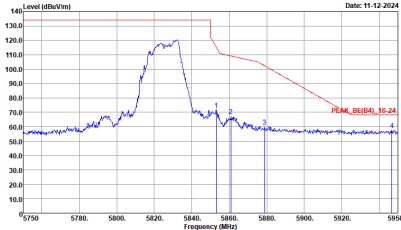
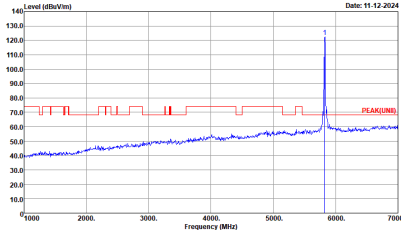
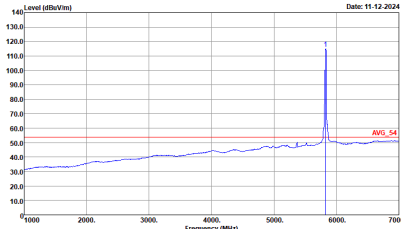
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_15-24 3m HORN_02140_340129 HORIZONTAL RBW:1000.000KHz VBN:3000.000KHz SMT:Auto	Left blank

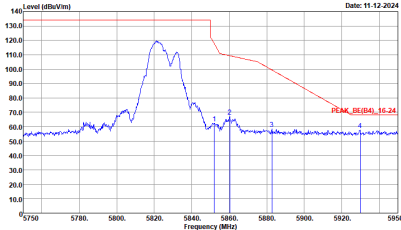
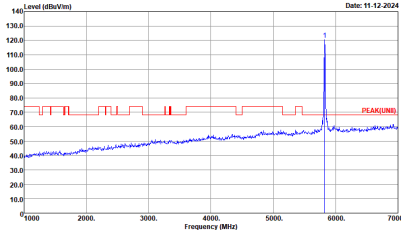
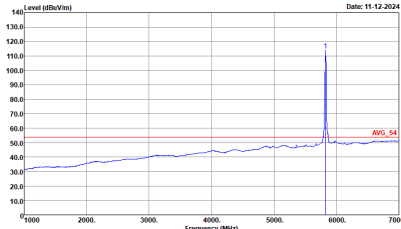


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_15-24 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz 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



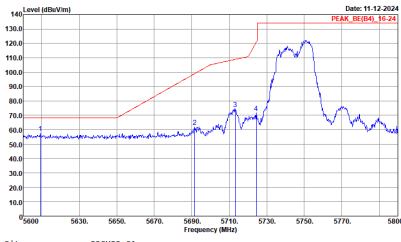
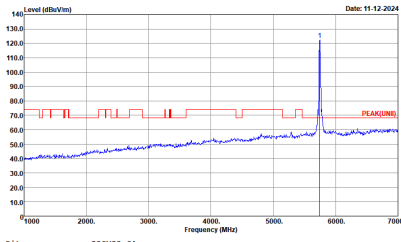
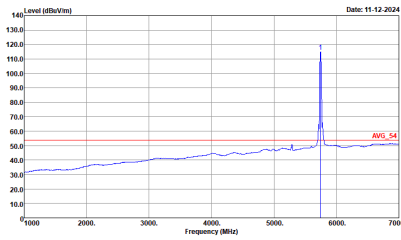
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+3+4+2	Vertical	Fundamental
Peak		Left blank

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)_15-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(FUN1) 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

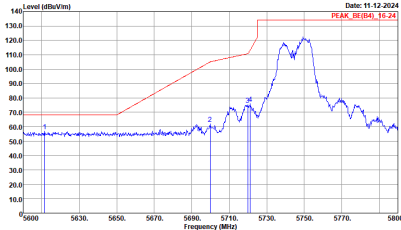
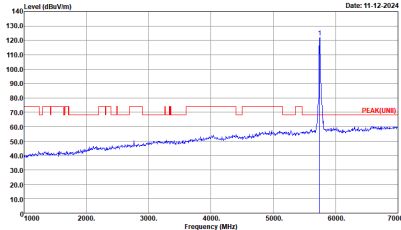
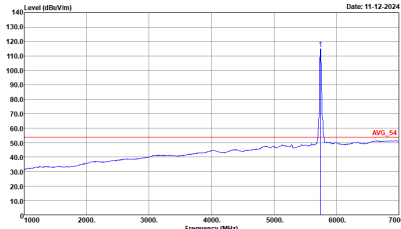
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(FUND) 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz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



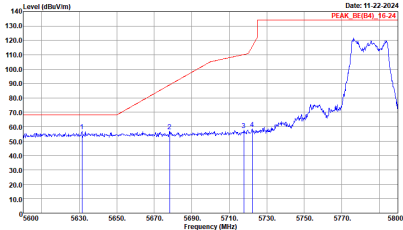
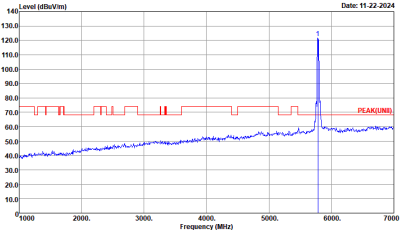
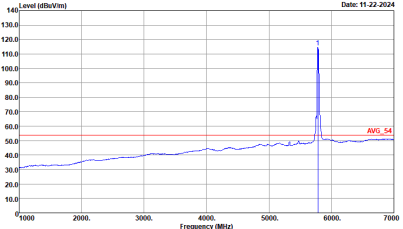
Band 4 5725~5850MHz
WIFI 802.11be EHT20 Full (Band Edge @ 3m)

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(16)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT) 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+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_15-24 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT) 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

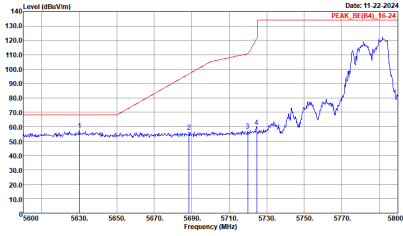
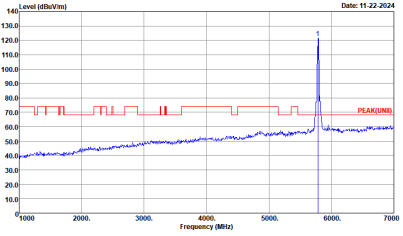
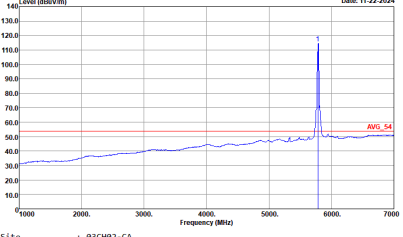


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_15-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto Date: 11-22-2024	 Site : 03CH02-CA Condition : PEAK(001) 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto Date: 11-22-2024
Avg	Left blank	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SMT:Auto Date: 11-22-2024

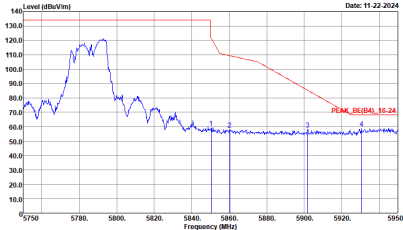


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3+4+2	Horizontal	Fundamental
Peak	Site : 03CH02-CA Condition : PEAK_BE(04)_15-24 3m HORN_02140_340129 HORIZONTAL RBW:1000.000KHz VBN:3000.000KHz SMT:Auto	Left blank

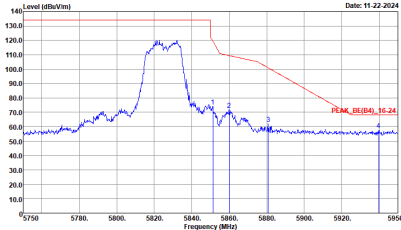
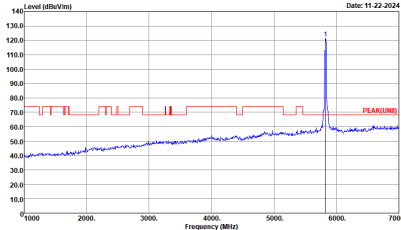
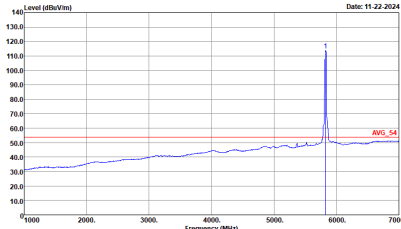


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_15-24 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(0011) 3m HORN_02140_240129 VERTICAL 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+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_08(04)_15-24 3m HORN_02140_3400129 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+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_15-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(FR11) 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+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(FUND)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto
Avg	Left blank	Site : 03CH02-CA Condition : AVG_F4 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz VBW:0.010KHz SMT:Auto



Band 4 5725~5850MHz

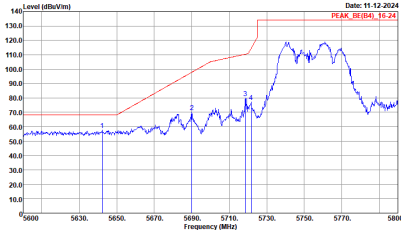
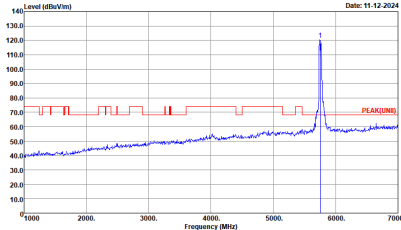
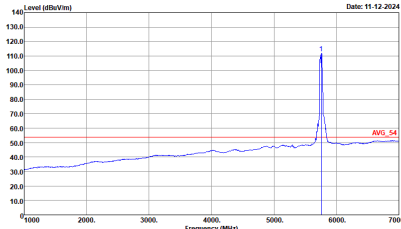
WIFI 802.11be EHT40 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3+4+2	Horizontal	Fundamental
Peak	Site : 03CH02-CA Condition : PEAK_BE(16-24) 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Site : 03CH02-CA Condition : PEAK(FUND) 3m HORN_02140_240129 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
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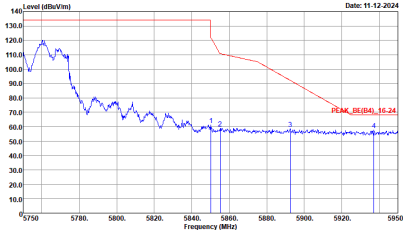


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3+4+2	Horizontal	Fundamental
Peak	Site : 03CH02-CA Condition : PEAK_BE(04)_15-24 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000KHz VBN:3000.000KHz SMT:Auto	Left blank

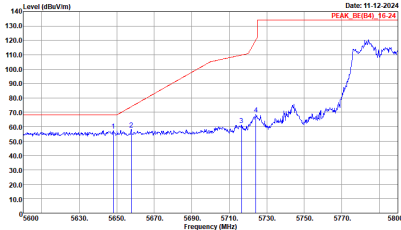
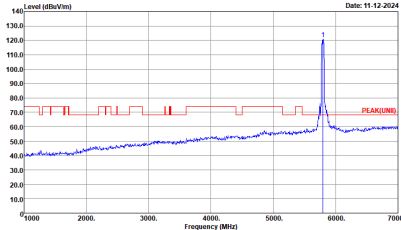
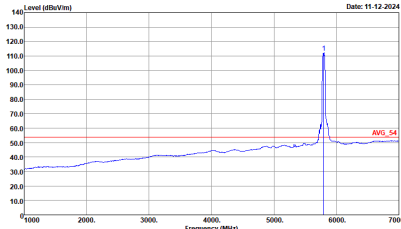


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_15-24 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL 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

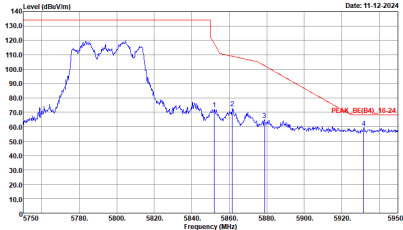


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH151 5755MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_15-24 3m HORN_02140_3400129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Left blank

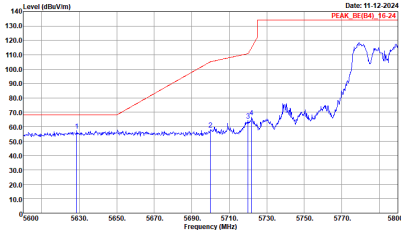
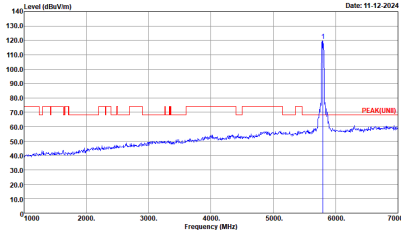
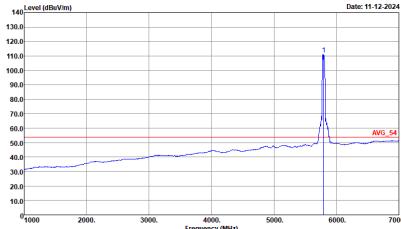


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL 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

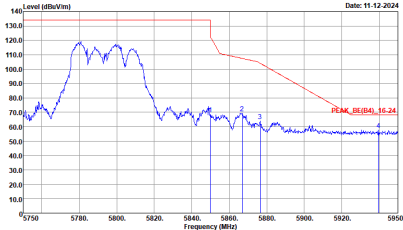


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_08(04)_15-24 3m HORN_02140_3400129 HORIZONTAL RBW:1000.000KHz VBN:3000.000KHz SMT:Auto	Left blank



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(04)_15-24 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT) 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

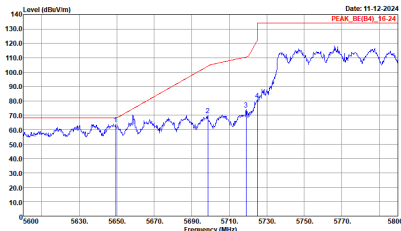
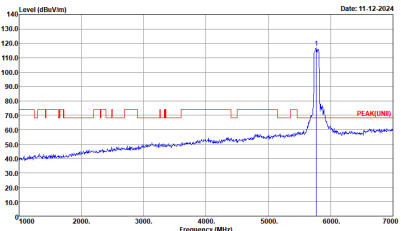


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_15-24 3m HORN_02140_340129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Left blank

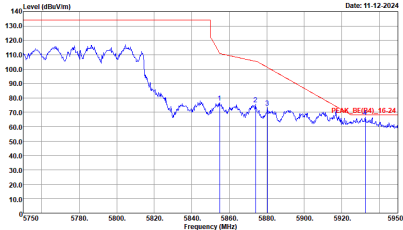


Band 4 5725~5850MHz

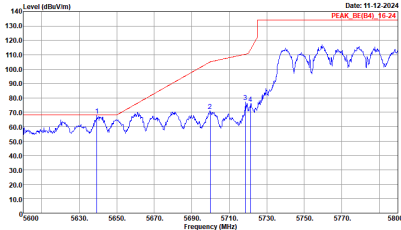
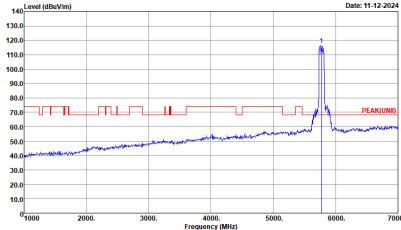
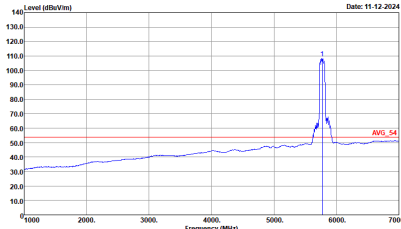
WIFI 802.11be EHT80 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3+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(UNIT) 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

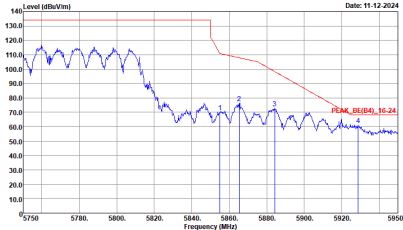


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3+4+2	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_15-24 3m HORN_02140_340129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Left blank



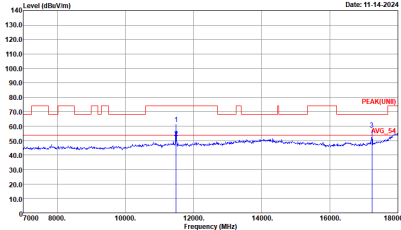
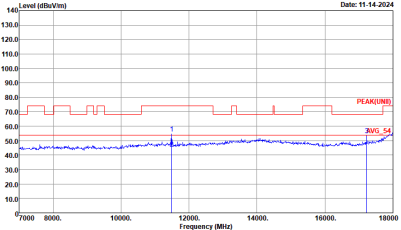
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_16-24 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL 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+4+2	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(04)_15-24 3m HORN_02140_340129 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+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	802.11a CH149 5745MHz	
1+3+4+2	Horizontal	Vertical
10.6G~18.0GAvg.	Level (dBuV/m) Date: 11-14-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	Level (dBuV/m) Date: 11-14-2024 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+4+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0 Frequency (MHz) 7000 8000 10000 12000 14000 16000 18000 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL :	Level (dBuV/m) 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0 Frequency (MHz) 7000 8000 10000 12000 14000 16000 18000 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL :

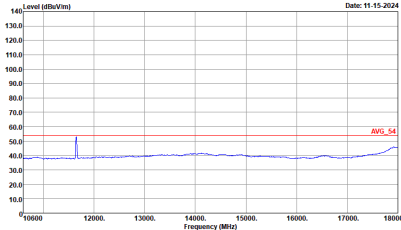
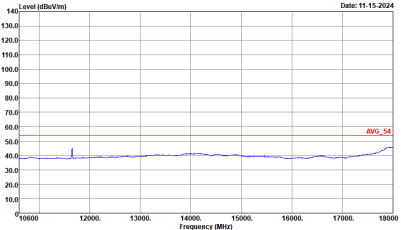


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+3+4+2	Horizontal	Vertical
10.6G~18. 0GAvg.	Level (dBuV/m) Date: 11-15-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	Level (dBuV/m) Date: 11-15-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL :



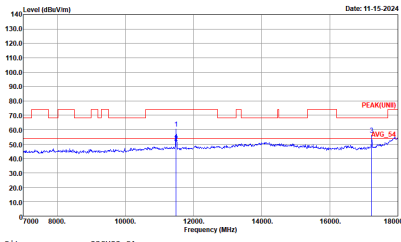
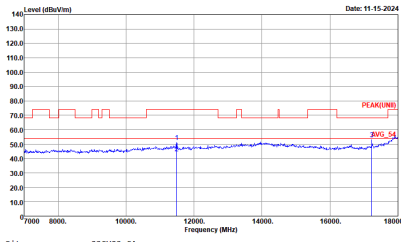
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+3+4+2	Horizontal	Vertical
Peak Avg.	140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0 Level (dBuV/m) Date: 11-15-2024 7000 8000 10000 12000 14000 16000 18000 Frequency (MHz) Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL :	140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0 Level (dBuV/m) Date: 11-15-2024 7000 8000 10000 12000 14000 16000 18000 Frequency (MHz) Site : 03CH02-CA Condition : PEAK(UNIT) 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~18.0GAvg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	 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+4+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNIT1) 3m HORN_02140_240129 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNIT1) 3m HORN_02140_240129 VERTICAL

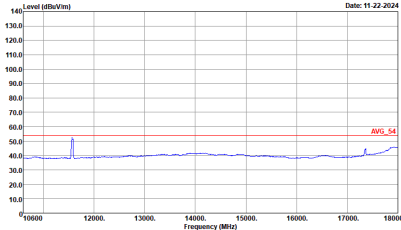
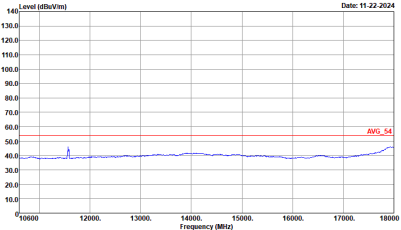


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH149 5745MHz	
1+3+4+2	Horizontal	Vertical
10.6G~18.0GAvg.	Level (dBuV/m) Date: 11-15-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	Level (dBuV/m) Date: 11-15-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL :

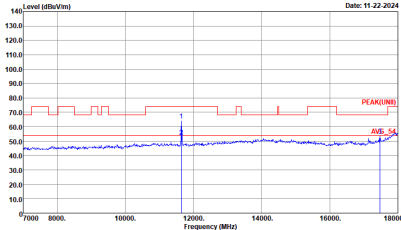
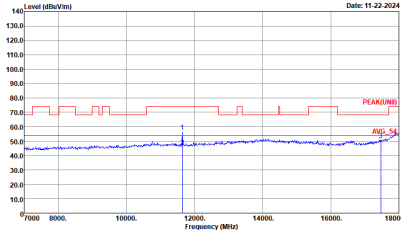


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3+4+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 11-22-2024 Frequency (MHz) Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Level (dBuV/m) Date: 11-22-2024 Frequency (MHz) Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto

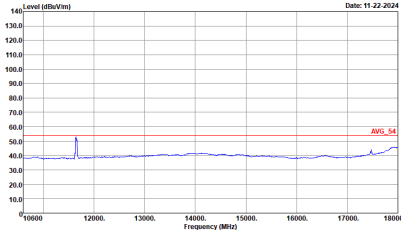
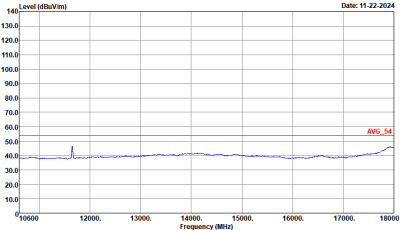


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH157 5785MHz	
1+3+4+2	Horizontal	Vertical
10.6G~18.0GAvg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240120 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SMT:Auto	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240120 VERTICAL RBW:1000.000KHz VBW:1.000KHz SMT:Auto



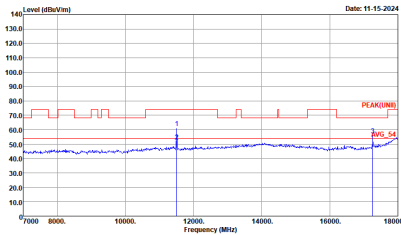
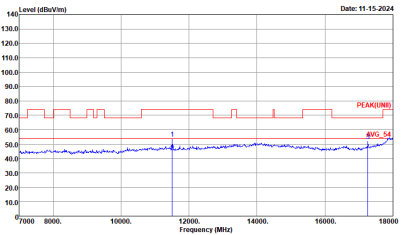
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3+4+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	 Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SMT:Auto



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT20 Full CH165 5825MHz	
1+3+4+2	Horizontal	Vertical
10.6G~18.0GAvg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240120 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SMT:Auto	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240120 VERTICAL RBW:1000.000KHz VBW:1.000KHz SMT:Auto



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(UNIT1) 3m HORN_02140_240129 HORIZONTAL :	 Site : 03CH02-CA Condition : PEAK(UNIT1) 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~18.0GAvg.	Level (dBuV/m) Date: 11-15-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	Level (dBuV/m) Date: 11-15-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL :



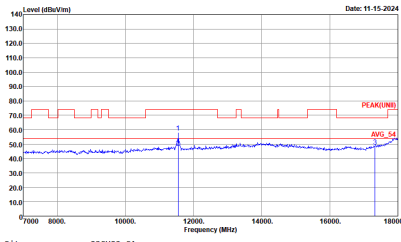
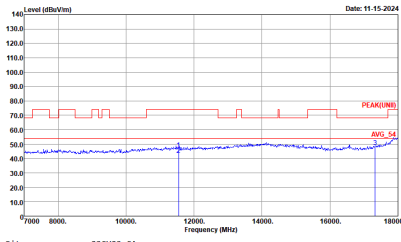
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3+4+2	Horizontal	Vertical
Peak Avg.	140 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0 Level (dBuV/m) Date: 11-15-2024 7000 8000 10000 12000 14000 16000 18000 Frequency (MHz) Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL :	140 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0 Level (dBuV/m) Date: 11-15-2024 7000 8000 10000 12000 14000 16000 18000 Frequency (MHz) Site : 03CH02-CA Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL :



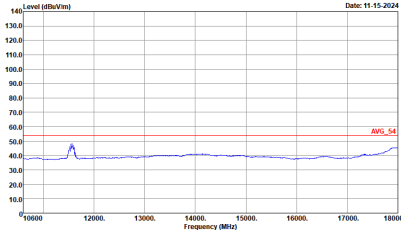
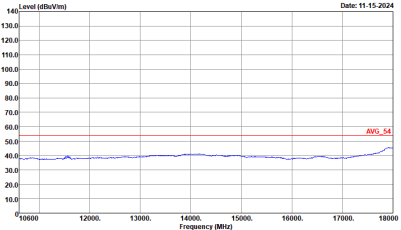
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT40 Full CH159 5795MHz	
1+3+4+2	Horizontal	Vertical
10.6G~18.0GAvg.	Level (dBuV/m) Date: 11-15-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	Level (dBuV/m) Date: 11-15-2024 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL :



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

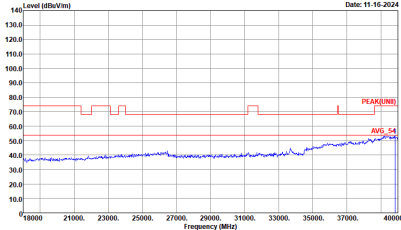
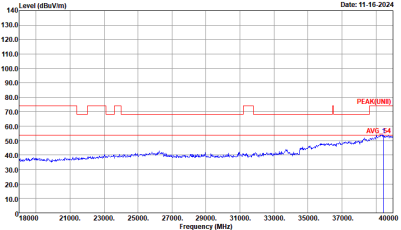
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3+4+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNIT1) 3m HORN_02140_240129 HORIZONTAL :	 Site : 03CH02-CA Condition : PEAK(UNIT1) 3m HORN_02140_240129 VERTICAL :



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11be EHT80 Full CH155 5775MHz	
1+3+4+2	Horizontal	Vertical
10.6G~18.0GAvg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL :	 Site : 03CH02-CA Condition : AVG_54 3m HORN_02140_240129 VERTICAL :

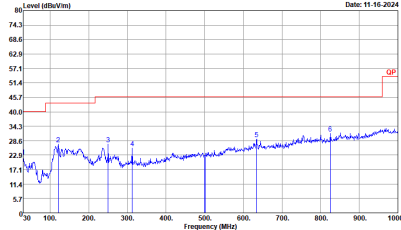
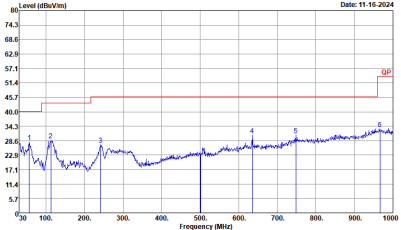


Emission above 18GHz
5GHz WIFI 802.11be EHT20 Full (SHF @ 1m)

WIFI	5GHz WIFI	
ANT	802.11be EHT20 Full SHF	
1+3+4+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNIT) 1m SHF_HORN_841_240007 HORIZONTAL :	 Site : 03CH02-CA Condition : PEAK(UNIT) 1m SHF_HORN_841_240007 VERTICAL :



Emission below 1GHz
5GHz WIFI 802.11be EHT20 Full (LF @ 3m)

WIFI	5GHz WIFI	
ANT	802.11be EHT20 Full LF	
1+3+4+2	Horizontal	Vertical
QP / Peak	 Site : 03CH02-CA Condition : QP 3m B1LOG_50392_240813_H HORIZONTAL :	 Site : 03CH02-CA Condition : QP 3m B1LOG_50392_240813_H VERTICAL :



Appendix D. Duty Cycle Plots

<2x2 Mode>

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+3	802.11a	98.16	-	-	10Hz
1+3	5GHz 802.11be EHT20	99.58	-	-	10Hz
1+3	5GHz 802.11be EHT40	99.31	-	-	10Hz
1+3	5GHz 802.11be EHT80	98.89	-	-	10Hz

MIMO <Ant. 1+3>





<4x4 Mode>

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)	99.58	-	-	10Hz
1+3+4+2	5GHz 802.11be(EHT40)	99.63	-	-	10Hz
1+3+4+2	5GHz 802.11be(EHT80)	99.05	-	-	10Hz

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

