



FCC RADIO TEST REPORT

FCC ID : TLZ-CU603
Equipment : Wireless MCU with Integrated Wi-Fi 6
Microcontroller Module
Brand Name : AzureWave
Model Name : AW-CU603
Standard : FCC Part 15 Subpart E §15.407

The product was received on May 07, 2024 and testing was performed from May 28, 2024 to Aug. 01, 2024. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Applicant	5
1.2 Manufacturer.....	5
1.3 Product Feature of Equipment Under Test.....	5
1.4 Modification of EUT	5
1.5 Testing Location	6
1.6 Applicable Standards.....	6
2 Test Configuration of Equipment Under Test	7
2.1 Carrier Frequency and Channel	7
2.2 Test Mode.....	8
2.3 Connection Diagram of Test System.....	9
2.4 Support Unit used in test configuration and system	10
2.5 EUT Operation Test Setup	10
2.6 Measurement Results Explanation Example.....	10
3 Test Result	11
3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement	11
3.2 Maximum E.I.R.P Output Power Measurement	12
3.3 Power Spectral Density Measurement	13
3.4 Unwanted Emissions Measurement.....	15
3.5 AC Conducted Emission Measurement.....	20
3.6 Antenna Requirements.....	22
4 List of Measuring Equipment.....	23
5 Measurement Uncertainty	25
Appendix A. Conducted Test Results	
Appendix B. AC Conducted Emission Test Result	
Appendix C. Radiated Spurious Emission	
Appendix D. Radiated Spurious Emission Plots	
Appendix E. Duty Cycle Plots	
Appendix F. Setup Photographs	



History of this test report

Report No.	Version	Description	Issue Date
FR450318D	01	Initial issue of report	Aug. 05, 2024
FR450318D	02	Revise Appendix A This report is an updated version, replacing the report issued on Aug. 05, 2024.	Aug. 08, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(e)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum E.I.R.P Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	1.14 dB under the limit at 11690.00 MHz
3.5	15.207	AC Conducted Emission	Pass	8.31 dB under the limit at 0.44 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/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.

Reviewed by: Danny Lee

Report Producer: Michelle Chen

1 General Description

1.1 Applicant

AzureWave Technologies, Inc.

8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231

1.2 Manufacturer

1. AzureWave Technologies, Inc.

8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231

2. AZUREWAVE TECHNOLOGIES (VIETNAM) COMPANY LIMITED

1st floor, building 5, CN3 Land, Deep C 2A Industrial Park, Dinh Vu-Cat Hai Economic Zone, Dong Hai 2 Ward, Hai An District, HaiPhong City, Vietnam

1.3 Product Feature of Equipment Under Test

Product Feature		
General Specs Wi-Fi 2.4GHz 802.11b/g/n/ax and Wi-Fi 5GHz 802.11a/n/ac/ax		
Antenna Type WLAN: PIFA Antenna		
Antenna information		
5850 MHz ~ 5895 MHz	Peak Gain (dBi)	<Ant. 1>: 5 <Ant. 2>: 5

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.4 Modification of EUT

No modifications are made to the EUT during all test items.



1.5 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No.
	CO05-HY, 03CH07-HY, TH02-HY

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

FCC designation No.: TW1190

1.6 Applicable Standards

According to the specifications of 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 291074 D02 EMC Measurement v01
- ♦ ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in two antenna degrees (Ant. degrees 0 and Ant. degrees 90), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Bandwidth	Channel	Frequency (MHz)	Note
5850-5895 MHz (U-NII-4)	20 MHz	169	5845	Straddle
		173	5865	
		177	5885	
	40 MHz	167	5835	Straddle
		175	5875	
	80 MHz	171	5855	Straddle
	160 MHz	163	5815	Straddle

Note: The channel noted with "straddle" spans 5.725-5.850 GHz and 5.850-5.895 GHz.



2.2 Test Mode

This device support 26/52/106/242-tone RU.

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2022.

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

The 242-tone RU is covered by 20MHz channel.

The power for 802.11n is smaller than 802.11ac mode, so all other conducted and radiated test is covered by 802.11ac mode.

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

Modulation	Data Rate
802.11a	6Mbps
802.11n HT20 (Covered by VHT20)	MCS0
802.11ac VHT20	MCS0
802.11ax HE20	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Tx

<Ant. 1>

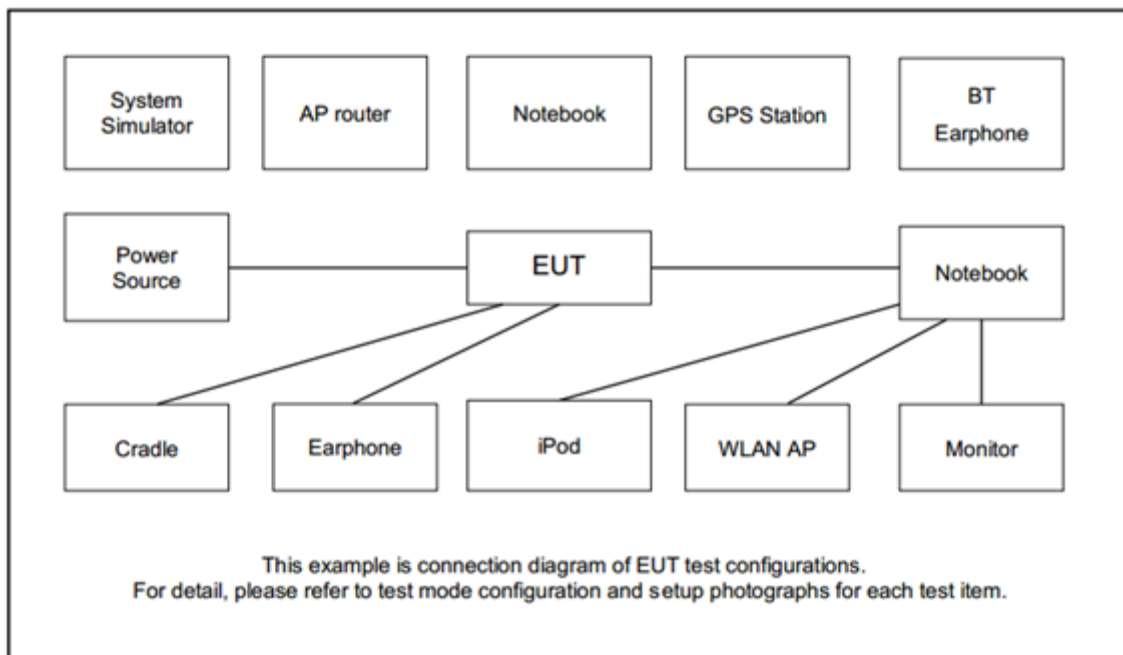
Ch. #		RF test channel of UNII-4 and UNII-3 &-4 span channels	
		802.11a	802.11ax HE20
L	Low	169	169
M	Middle	173	173
H	High	177	177

<Ant. 2>

Ch. #		RF test channel of UNII-4 and UNII-3 &-4 span channels	
		802.11a	802.11ax HE20
L	Low	169	169
M	Middle	173	173
H	High	177	177

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.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8m
2.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0m	N/A
3.	Notebook	Lenovo	TP00116A	FCC DoC	Shielded, 1.3m	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Fixture	Azurewave	2603-i1	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “Dut labtool version 2.0.0.10.1” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

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

3 Test Result

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

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

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

26dB and 99% Occupied bandwidth are reporting only.

3.1.2 Measuring Instruments

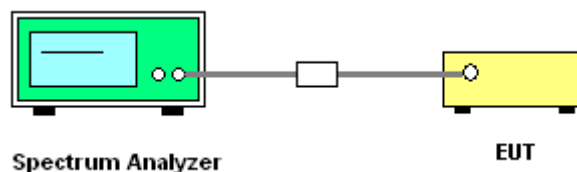
See list of measuring equipment of this test report.

3.1.3 Test Procedures

The testing follows FCC KDB 291074 D02 EMC Measurement v01 Section 2.11 Minimum Emission bandwidth

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

3.1.4 Test Setup



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

Please refer to Appendix A.

3.2 Maximum E.I.R.P Output Power Measurement

3.2.1 Limit of Maximum E.I.R.P Output Power

For client devices operating under the control of an indoor access point in the 5.850-5.895 GHz band, the maximum power spectral density must not exceed 14 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm. Client devices operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands must not exceed an e.i.r.p. of 30 dBm.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

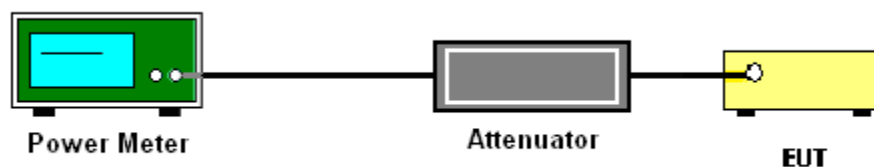
3.2.3 Test Procedures

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

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

1. For client devices operating under the control of an indoor access point in the 5.850-5.895 GHz band, the maximum power spectral density must not exceed 14 dBm e.i.r.p. in any 1-megahertz band.
2. For client devices operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands shall meet both 15.407(a)(3)(i) 30dBm/500kHz and 15.407(a)(3)(iii) 14dBm/MHz limit, where the stringent limit 14dBm/MHz is applied.
3. For an indoor access point operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands shall meet both 15.407(a)(3)(ii) 36dBm limit, where the stringent limit 20dBm/MHz is applied.

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

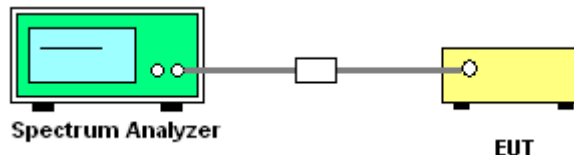
Section F) Maximum power spectral density.

Method SA-2

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

- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

- (1) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as the following 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.

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

- (2) For transmitters operating solely in the 5.850-5.895 GHz band or operating on a channel that spans across 5.725-5.895 GHz:

15.407(b)(5)(i), all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of -7 dBm/MHz at or above 5.925 GHz.

All emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.

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

Use guidance in KDB Publication 789033 for all measurements. Unwanted emissions outside of restricted bands are measured with an RMS detector. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.

Unwanted band-edge emissions may be measured using the integration method as described in KDB Publication 789033 3. d) (ii). Emissions below 5725 MHz should be measured using peak-detection while emission above 5895 MHz should be measured using average.

Frequency(GHz)	EIRP (dBm)	Field Strength @3m distance (dBuV/m)	Note
Below 5.65	-27dBm/MHz	68.2	Peak
5.7	10dBm/MHz	105.2	Peak
5.72	15.6dBm/MHz	110.8	Peak
5.725	27dBm/MHz	122.2	Peak
5.895	-5dBm/MHz	90.2	Average
5.895	15dBm/MHz	110.2	Peak
Above 5.925	-27dBm/MHz	68.2	Average
Above 5.925	-7dBm/MHz	88.2	Peak

Note: Field strength at 3 m distance is converted to EIRP as the following equation:

$$\text{EIRP[dBm]} = \text{E[dBuV/m]} - 95.2$$

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

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

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

- RBW = 120 kHz
- VBW = 300 kHz
- Detector = Peak
- Trace mode = max hold

(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

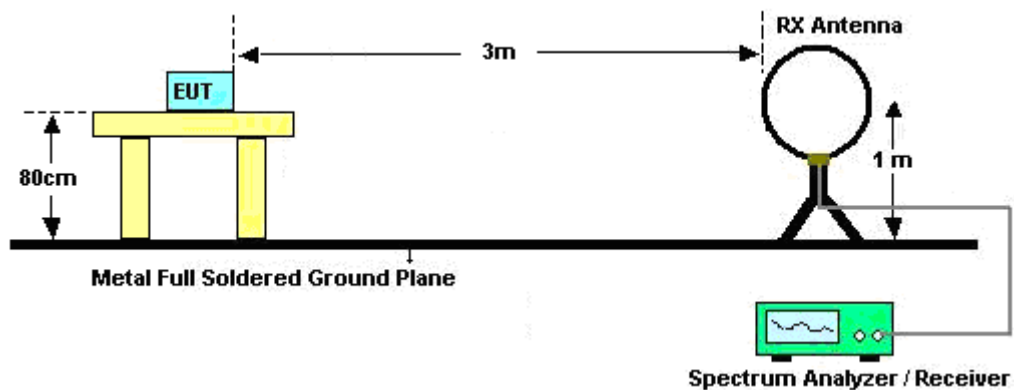
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- $\text{VBW} \geq 1/T$, 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.

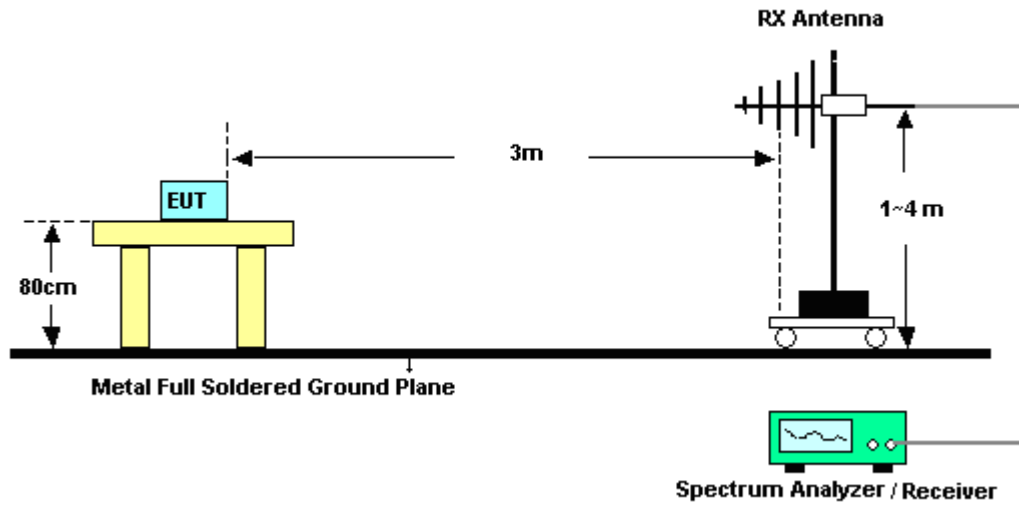
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was placed at distance 3 meter from measurement antenna which was mounted on the top of a variable height antenna tower.
4. The measurement antenna 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.
5. For each suspected emission, the EUT was 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 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0 degree to 360 degree to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6dB margin against QP limit line, the position is marked as “-”.
7. Radiated testing above 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0 degree to 360 degree 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 6dB margin against average limit line, the position is marked as “-”.

3.4.4 Test Setup

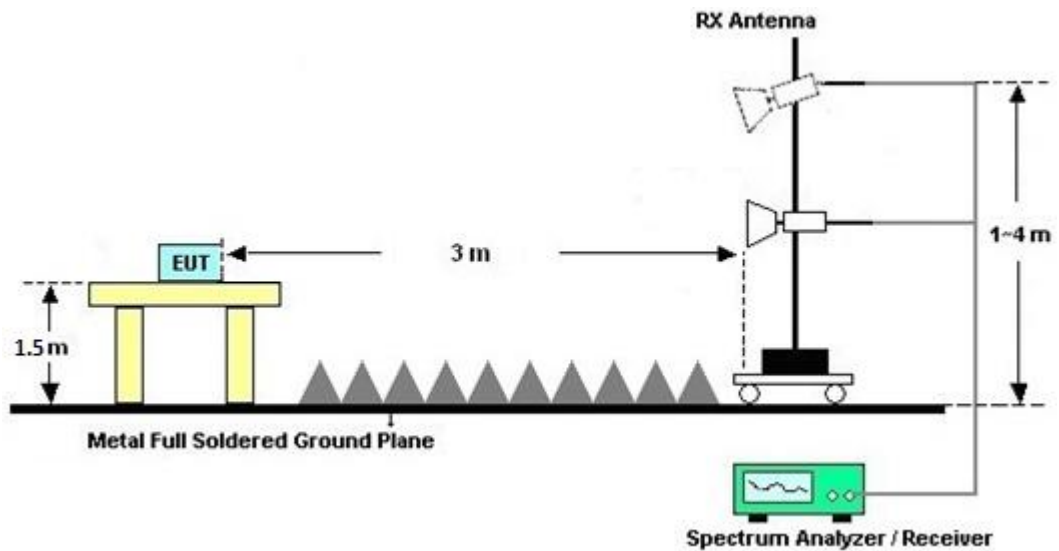
For radiated emissions below 30MHz



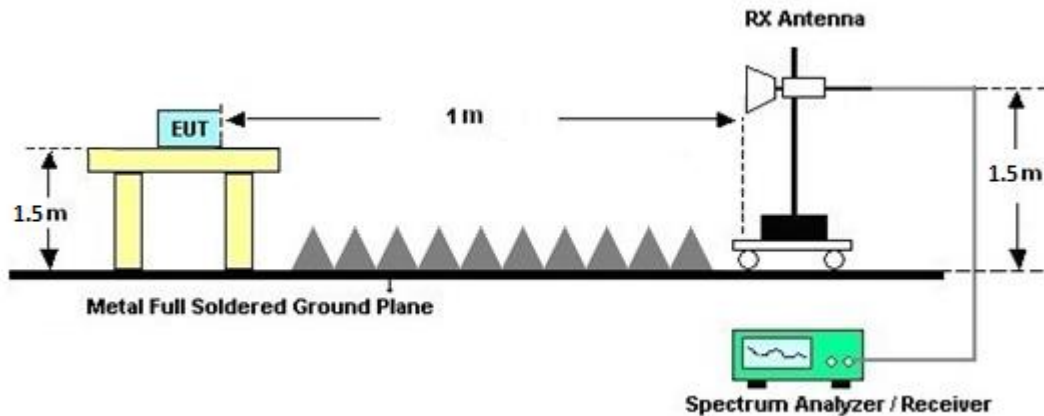
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

For terminal test result, the testing follows FCC KDB 174176.

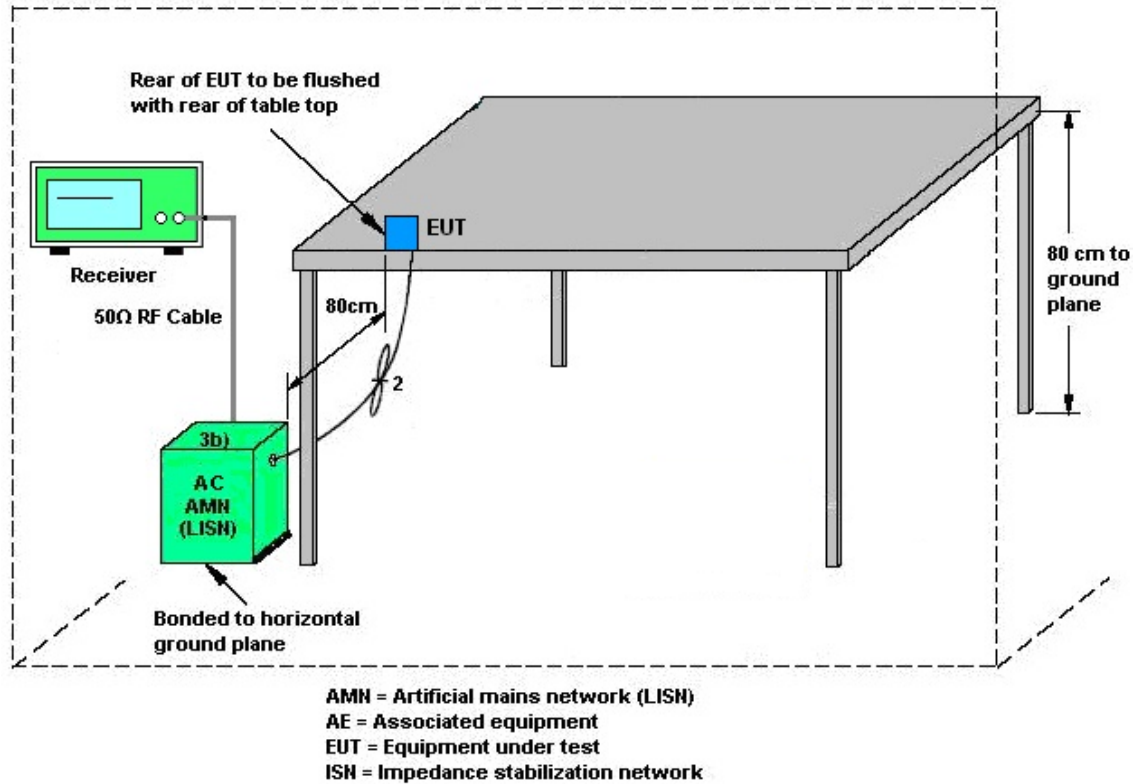
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	May 28, 2024~ Aug. 01, 2024	Nov. 06, 2024	Conducted (TH02-HY)
Power Sensor	DARE	RPR3006W	17100015SNO3 6 (NO:35_144)	10MHz~6GHz	Aug. 23, 2023	May 28, 2024~ Aug. 01, 2024	Aug. 22, 2024	Conducted (TH02-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	May 28, 2024~ Aug. 01, 2024	Sep. 11, 2024	Conducted (TH02-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jun. 03, 2024	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 06, 2023	Jun. 03, 2024	Dec. 05, 2024	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 26, 2023	Jun. 03, 2024	Oct. 25, 2024	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 08, 2023	Jun. 03, 2024	Dec. 07, 2024	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 22, 2023	Jun. 03, 2024	Nov. 21, 2024	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Jun. 03, 2024	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2023	Jun. 03, 2024	Jul. 27, 2024	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 28, 2023	Jun. 03, 2024	Dec. 27, 2024	Conduction (CO05-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	35419 & 03	30MHz~1GHz	Apr. 22, 2024	Jun. 27, 2024~ Jul. 22, 2024	Apr. 21, 2025	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Feb. 23, 2024	Jun. 27, 2024~ Jul. 22, 2024	Feb. 22, 2025	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00075962	1GHz ~ 18GHz	Nov. 27, 2023	Jun. 27, 2024~ Jul. 22, 2024	Nov. 26, 2024	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 02, 2023	Jun. 27, 2024~ Jul. 22, 2024	Oct. 01, 2024	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010180 0-30-10P	1590075	1GHz~18GHz	Apr. 19, 2024	Jun. 27, 2024~ Jul. 22, 2024	Apr. 18, 2025	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Mar. 23, 2024	Jun. 27, 2024~ Jul. 22, 2024	Mar. 22, 2025	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 25, 2023	Jun. 27, 2024~ Jul. 22, 2024	Jul. 24, 2024	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Mar. 26, 2024	Jun. 27, 2024~ Jul. 22, 2024	Mar. 25, 2025	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4 MY15682/4	30MHz to 18GHz	Feb. 21, 2024	Jun. 27, 2024~ Jul. 22, 2024	Feb. 20, 2025	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4	9kHz to 30MHz	Feb. 21, 2024	Jun. 27, 2024~ Jul. 22, 2024	Feb. 20, 2025	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 15, 2023	Jun. 27, 2024~ Jul. 22, 2024	Sep. 14, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 21, 2024	Jun. 27, 2024~ Jul. 22, 2024	Feb. 20, 2025	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 22, 2024	Jun. 27, 2024~ Jul. 22, 2024	Apr. 21, 2025	Radiation (03CH07-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Jun. 27, 2024~ Jul. 22, 2024	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Jun. 27, 2024~ Jul. 22, 2024	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Jun. 27, 2024~ Jul. 22, 2024	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Jun. 27, 2024~ Jul. 22, 2024	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	Jun. 27, 2024~ Jul. 22, 2024	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 01, 2024	Jun. 27, 2024~ Jul. 22, 2024	Feb. 28, 2025	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 24, 2023	Jun. 27, 2024~ Jul. 22, 2024	Nov. 23, 2024	Radiation (03CH07-HY)



5 Measurement Uncertainty

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.3 dB
--	--------

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.3 dB
--	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
--	--------

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Benny Ku	Temperature:	21~25	°C
Test Date:	2024/05/28~2024/08/01	Relative Humidity:	51~54	%

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

UNII-4 single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	169	5845	16.88	16.93	20.26	20.31	16.33	16.33	0.5	Pass
11a	6Mbps	1	173	5865	16.93	16.93	20.29	20.38	16.36	16.34	0.5	Pass
11a	6Mbps	1	177	5885	16.93	16.93	20.35	20.29	16.34	16.32	0.5	Pass
VHT20	MCS0	1	169	5845	17.73	17.73	20.49	20.67	17.54	17.53	0.5	Pass
VHT20	MCS0	1	173	5865	17.73	17.78	20.80	20.75	17.19	17.54	0.5	Pass
VHT20	MCS0	1	177	5885	17.78	17.73	20.68	20.57	16.94	16.95	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-4 single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)		DG (dBi)		E.I.R.P Power (dBm)		E.I.R.P Limit (dBm)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	169	5845	13.40	13.70	5.00	5.00	18.40	18.70	30	30
11a	6Mbps	1	173	5865	12.50	13.30	5.00	5.00	17.50	18.30	30	30
11a	6Mbps	1	177	5885	11.10	13.30	5.00	5.00	16.10	18.30	30	30
HT20	MCS0	1	169	5845	13.10	13.70	5.00	5.00	18.10	18.70	30	30
HT20	MCS0	1	173	5865	11.60	13.50	5.00	5.00	16.60	18.50	30	30
HT20	MCS0	1	177	5885	11.00	13.40	5.00	5.00	16.00	18.40	30	30
VHT20	MCS0	1	169	5845	13.20	13.80	5.00	5.00	18.20	18.80	30	30
VHT20	MCS0	1	173	5865	11.70	13.60	5.00	5.00	16.70	18.60	30	30
VHT20	MCS0	1	177	5885	11.10	13.50	5.00	5.00	16.10	18.50	30	30

TEST RESULTS DATA
Power Spectral Density

UNII-4 single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)		DG (dBi)		EIRP PSD (dBm/MHz)		EIRP PSD Limit (dBm/MHz)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	169	5845	0.05	0.05	2.15	2.78	5.00	5.00	7.15	7.78	14.00	14.00	Pass
11a	6Mbps	1	173	5865	0.05	0.05	1.28	2.56	5.00	5.00	6.28	7.56	14.00	14.00	Pass
11a	6Mbps	1	177	5885	0.05	0.05	0.10	2.35	5.00	5.00	5.10	7.35	14.00	14.00	Pass
VHT20	MCS0	1	169	5845	0.05	0.05	1.36	1.95	5.00	5.00	6.36	6.95	14.00	14.00	Pass
VHT20	MCS0	1	173	5865	0.05	0.05	0.01	1.77	5.00	5.00	5.01	6.77	14.00	14.00	Pass
VHT20	MCS0	1	177	5885	0.05	0.05	-0.48	1.56	5.00	5.00	4.52	6.56	14.00	14.00	Pass

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

UNII-4 single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	1	169	5845	Full	18.83	18.83	20.71	20.60	18.13	17.84	0.5	Pass
HE20	MCS0	1	173	5865	Full	18.83	18.83	20.86	20.53	18.19	17.59	0.5	Pass
HE20	MCS0	1	177	5885	Full	18.83	18.83	20.84	20.74	18.07	17.90	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-4 single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)		DG (dBi)		E.I.R.P Power (dBm)		E.I.R.P Limit (dBm)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	1	169	5845	Full	13.30	13.90	5.00	5.00	18.30	18.90	30	30
HE20	MCS0	1	169	5845	26/0	4.80	5.30	5.00	5.00	9.80	10.30	30	30
HE20	MCS0	1	169	5845	52/37	7.10	7.50	5.00	5.00	12.10	12.50	30	30
HE20	MCS0	1	169	5845	106/53	10.40	10.80	5.00	5.00	15.40	15.80	30	30
HE20	MCS0	1	173	5865	Full	11.80	13.70	5.00	5.00	16.80	18.70	30	30
HE20	MCS0	1	173	5865	26/4	3.90	6.20	5.00	5.00	8.90	11.20	30	30
HE20	MCS0	1	173	5865	52/38	5.30	7.40	5.00	5.00	10.30	12.40	30	30
HE20	MCS0	1	173	5865	106/53	7.10	10.50	5.00	5.00	12.10	15.50	30	30
HE20	MCS0	1	177	5885	Full	11.20	13.60	5.00	5.00	16.20	18.60	30	30
HE20	MCS0	1	177	5885	26/8	6.10	8.60	5.00	5.00	11.10	13.60	30	30
HE20	MCS0	1	177	5885	52/40	8.70	11.40	5.00	5.00	13.70	16.40	30	30
HE20	MCS0	1	177	5885	106/54	11.50	12.60	5.00	5.00	16.50	17.60	30	30

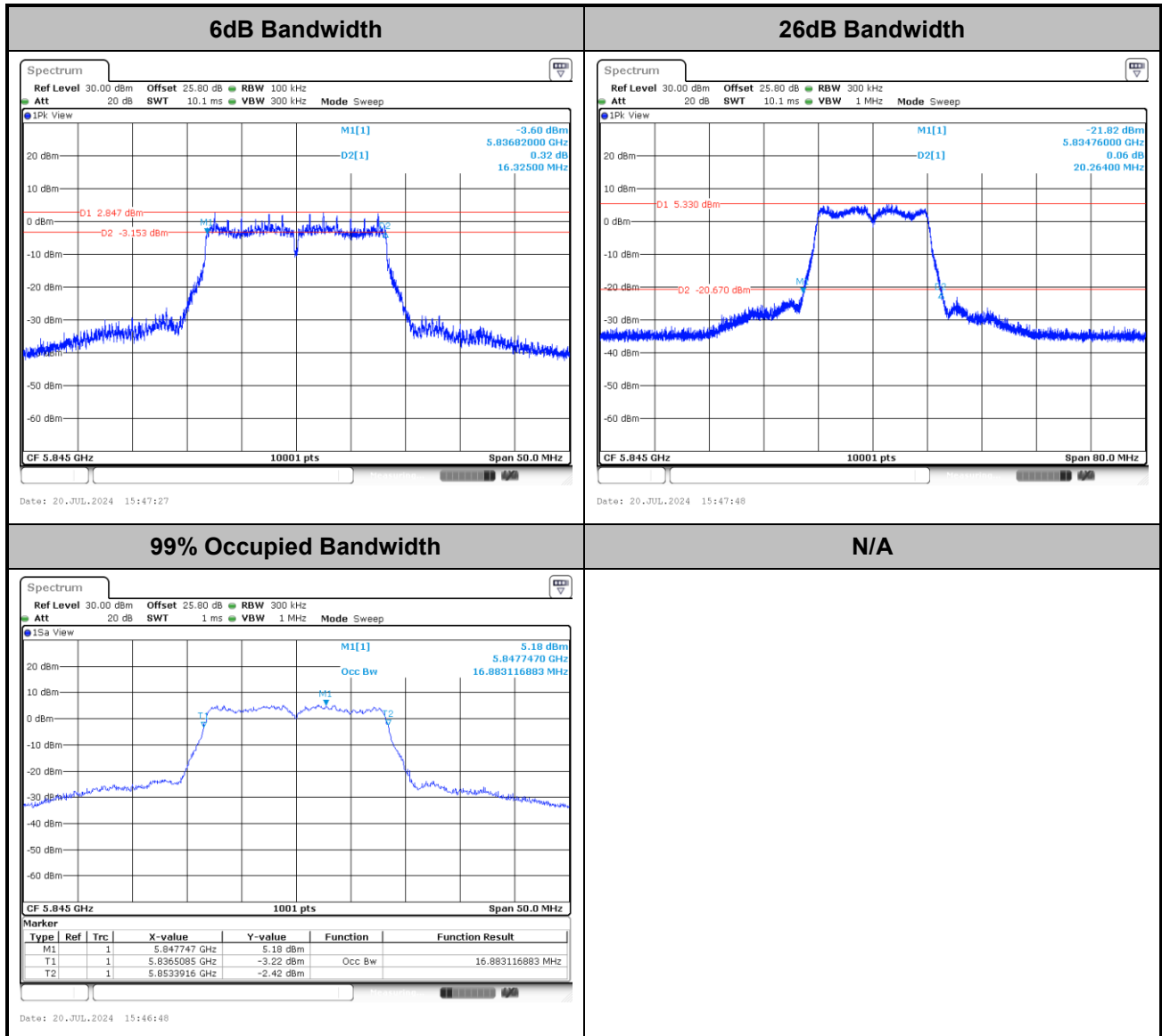
TEST RESULTS DATA
Power Spectral Density

UNII-4 single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)		DG (dBi)		EIRP PSD (dBm/MHz)		EIRP PSD Limit (dBm/MHz)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	1	169	5845	Full	0.06	0.06	1.89	2.49	5.00	5.00	6.89	7.49	14.00	14.00	Pass
HE20	MCS0	1	169	5845	26/0	0.27	0.28	1.76	2.15	5.00	5.00	6.76	7.15	14.00	14.00	Pass
HE20	MCS0	1	169	5845	52/37	0.33	0.13	1.73	2.22	5.00	5.00	6.73	7.22	14.00	14.00	Pass
HE20	MCS0	1	169	5845	106/53	0.30	0.26	1.88	2.38	5.00	5.00	6.88	7.38	14.00	14.00	Pass
HE20	MCS0	1	173	5865	Full	0.06	0.06	0.21	2.16	5.00	5.00	5.21	7.16	14.00	14.00	Pass
HE20	MCS0	1	173	5865	26/4	0.27	0.28	0.15	1.86	5.00	5.00	5.15	6.86	14.00	14.00	Pass
HE20	MCS0	1	173	5865	52/38	0.33	0.13	0.15	2.03	5.00	5.00	5.15	7.03	14.00	14.00	Pass
HE20	MCS0	1	173	5865	106/53	0.30	0.26	0.03	1.93	5.00	5.00	5.03	6.93	14.00	14.00	Pass
HE20	MCS0	1	177	5885	Full	0.06	0.06	-0.27	2.05	5.00	5.00	4.73	7.05	14.00	14.00	Pass
HE20	MCS0	1	177	5885	26/8	0.27	0.28	-0.28	2.02	5.00	5.00	4.72	7.02	14.00	14.00	Pass
HE20	MCS0	1	177	5885	52/40	0.33	0.13	-0.30	1.81	5.00	5.00	4.70	6.81	14.00	14.00	Pass
HE20	MCS0	1	177	5885	106/54	0.30	0.26	-0.28	0.98	5.00	5.00	4.72	5.98	14.00	14.00	Pass

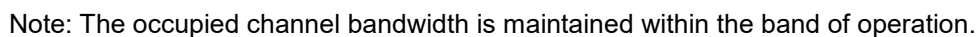
**Test Result of 6dB and 26dB and 99% Occupied Bandwidth**

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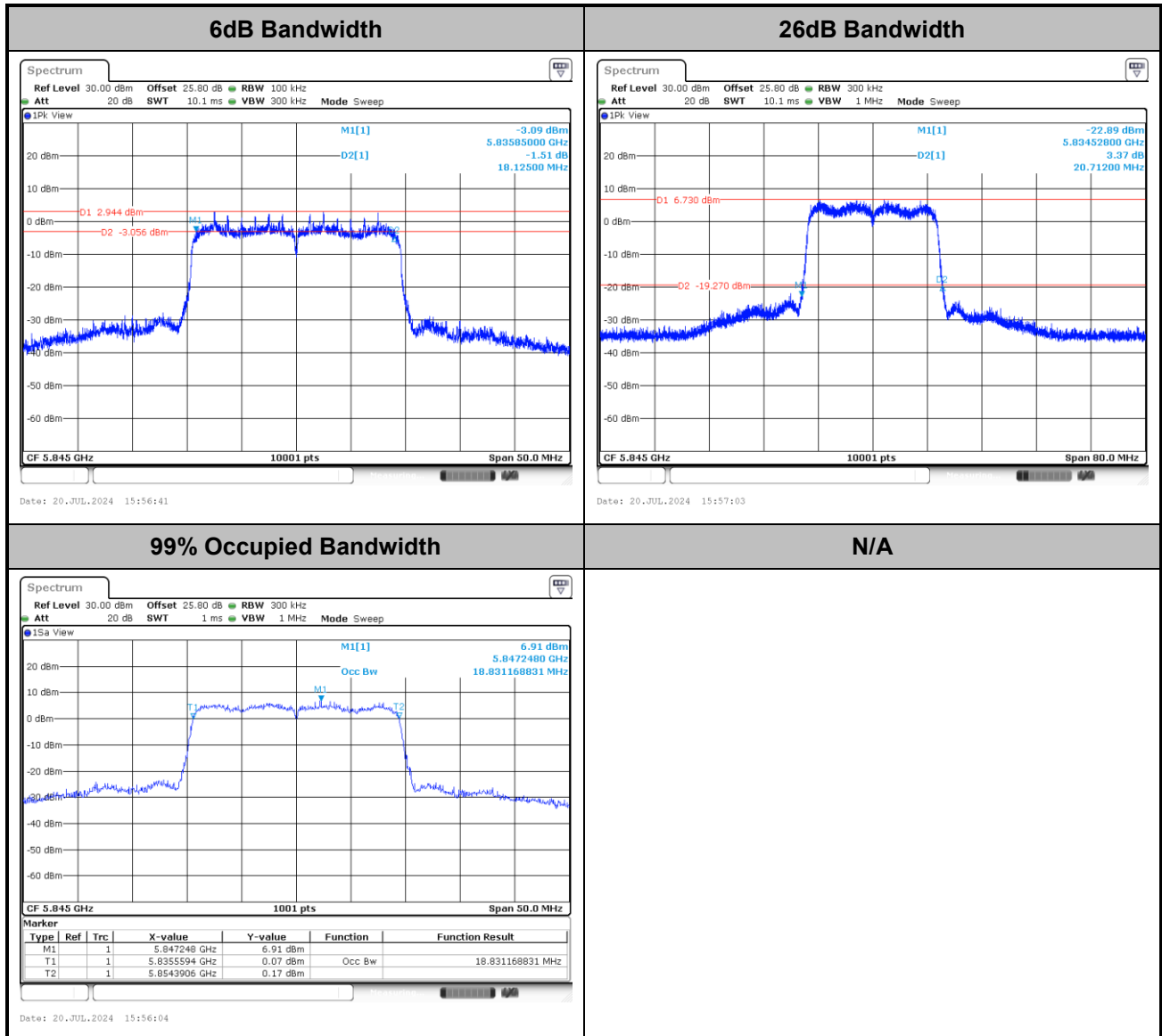


Note: The occupied channel bandwidth is maintained within the band of operation.





<802.11ax HE20>



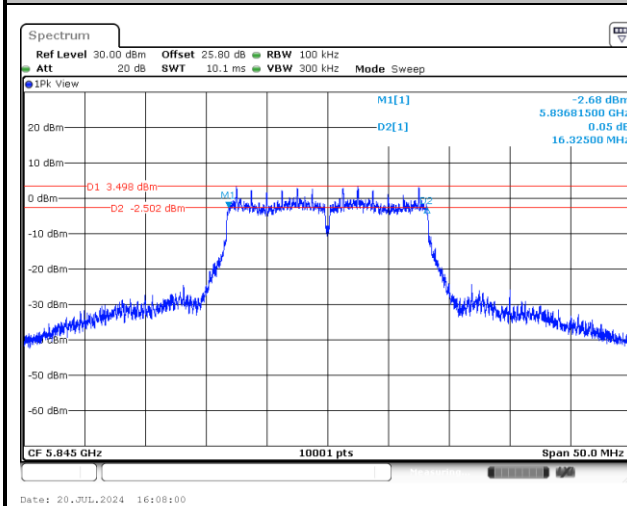
Note: The occupied channel bandwidth is maintained within the band of operation.



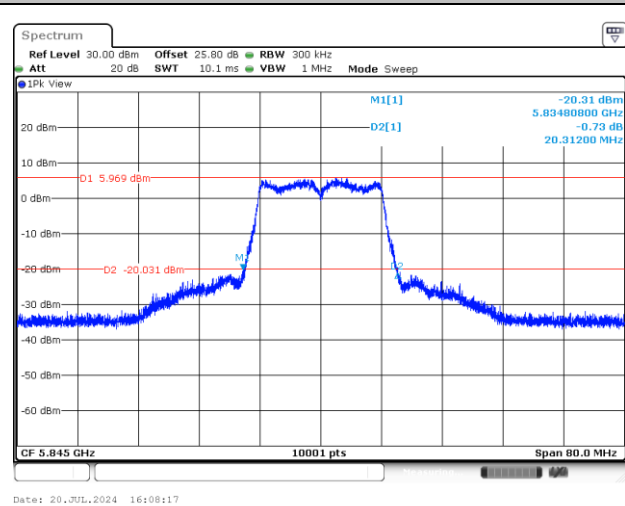
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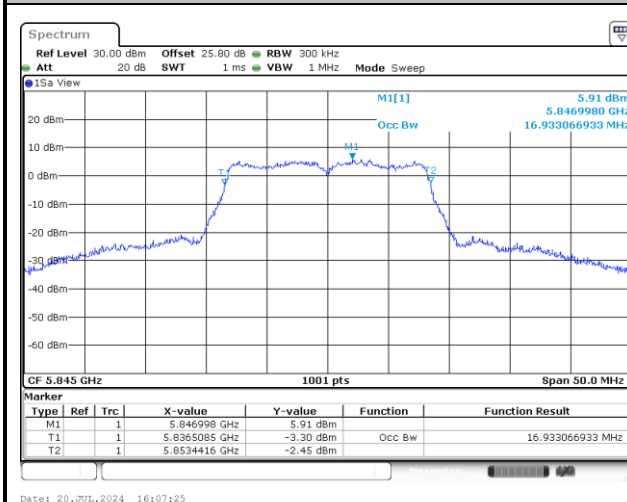
6dB Bandwidth



26dB Bandwidth



99% Occupied Bandwidth

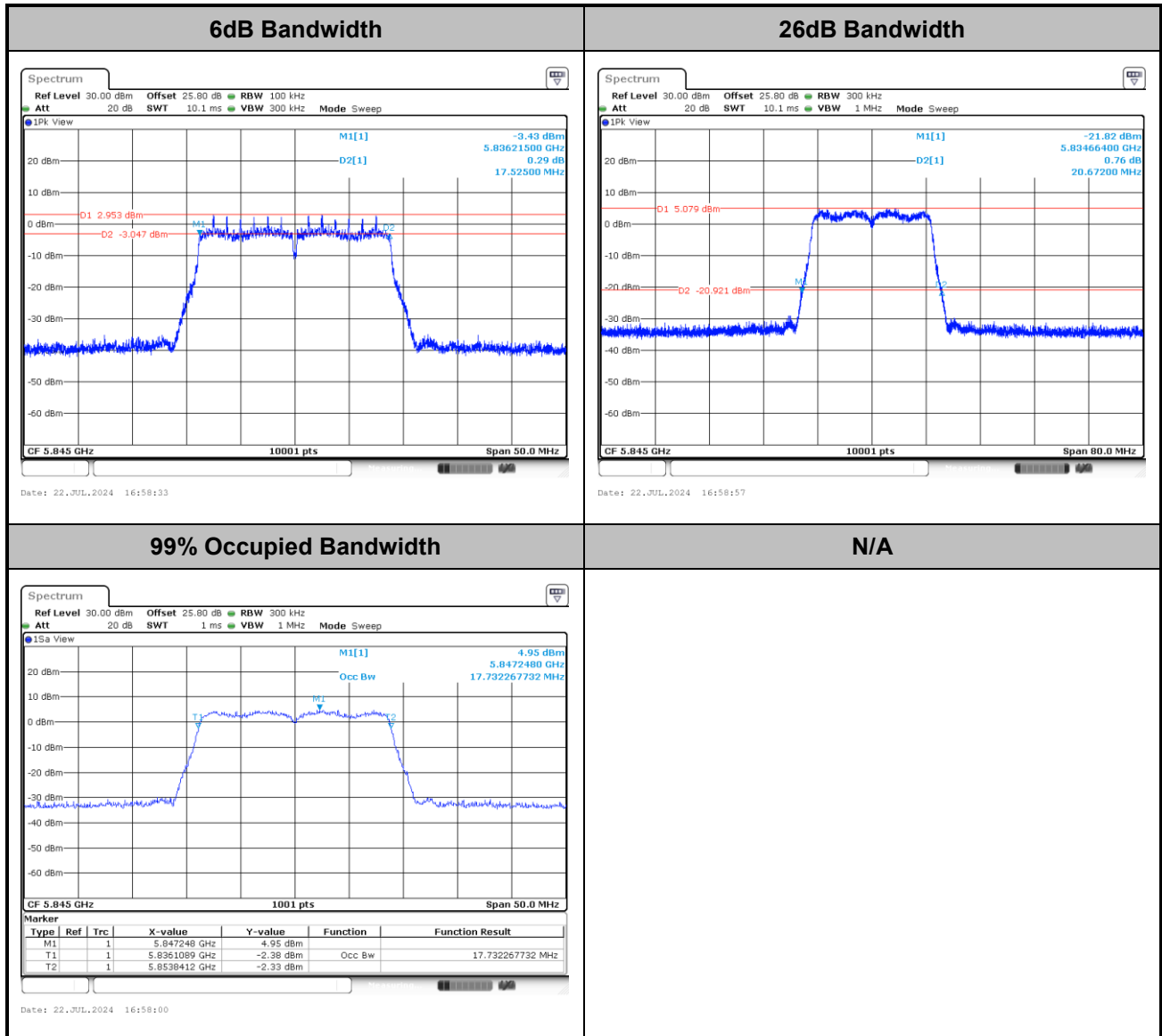


N/A

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



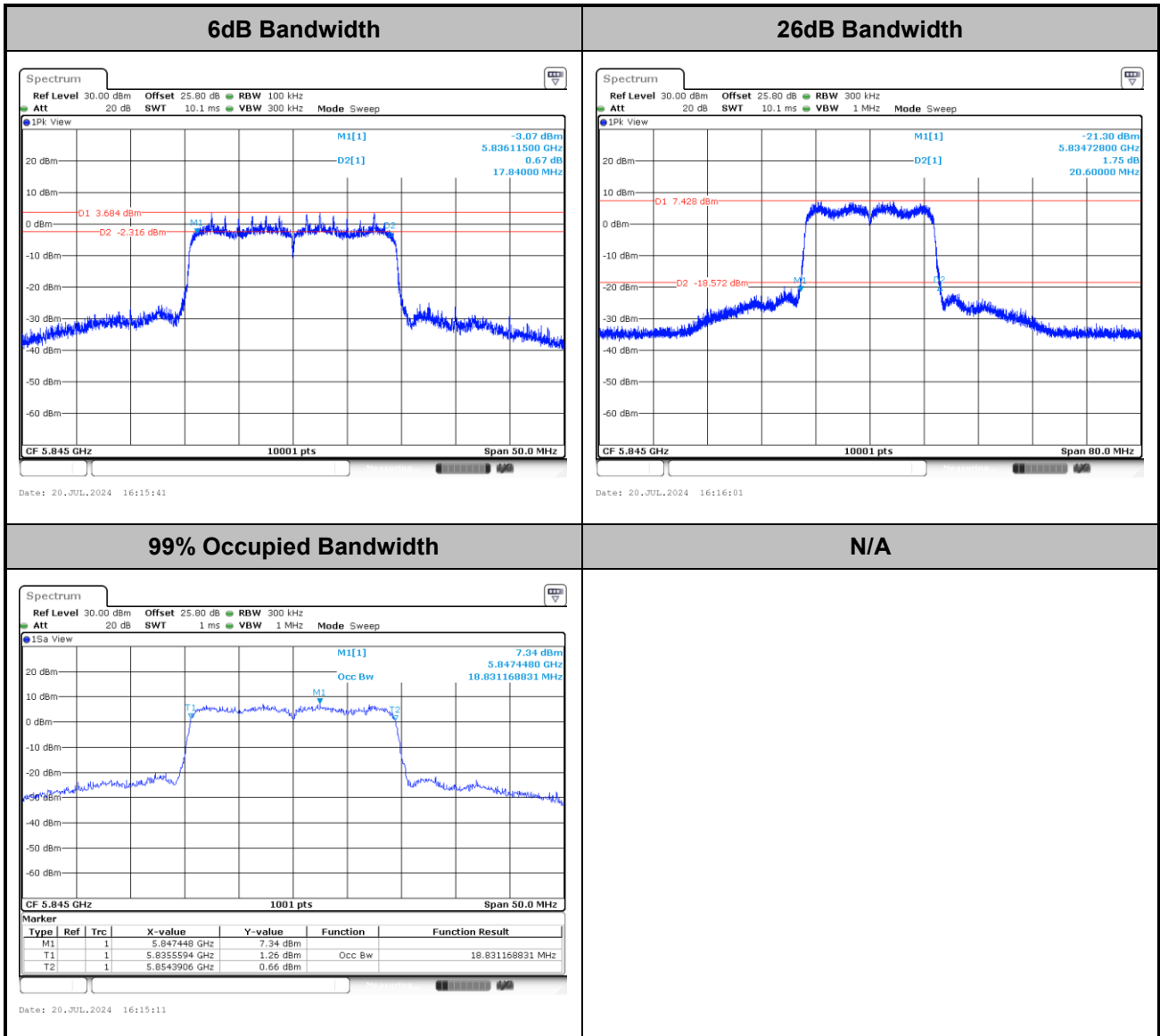
<802.11ax VHT20>



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



<802.11ax HE20>



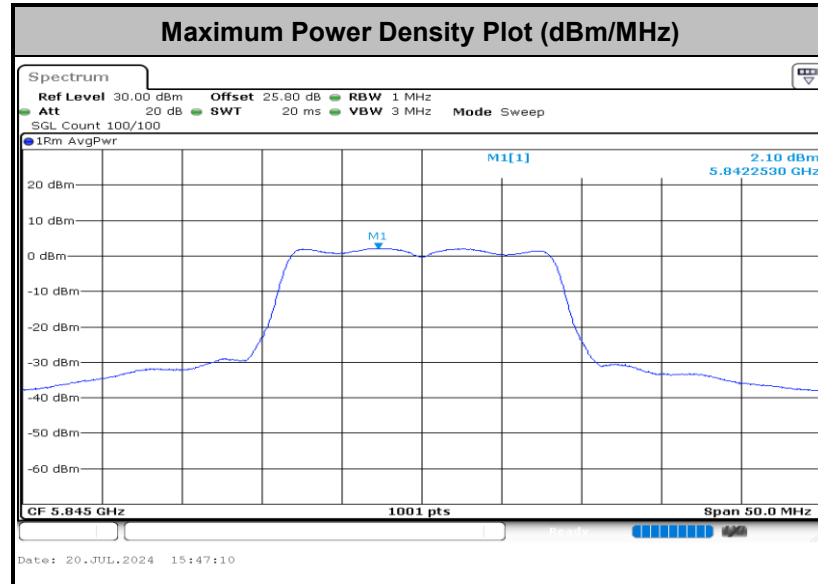
Note: The occupied channel bandwidth is maintained within the band of operation.



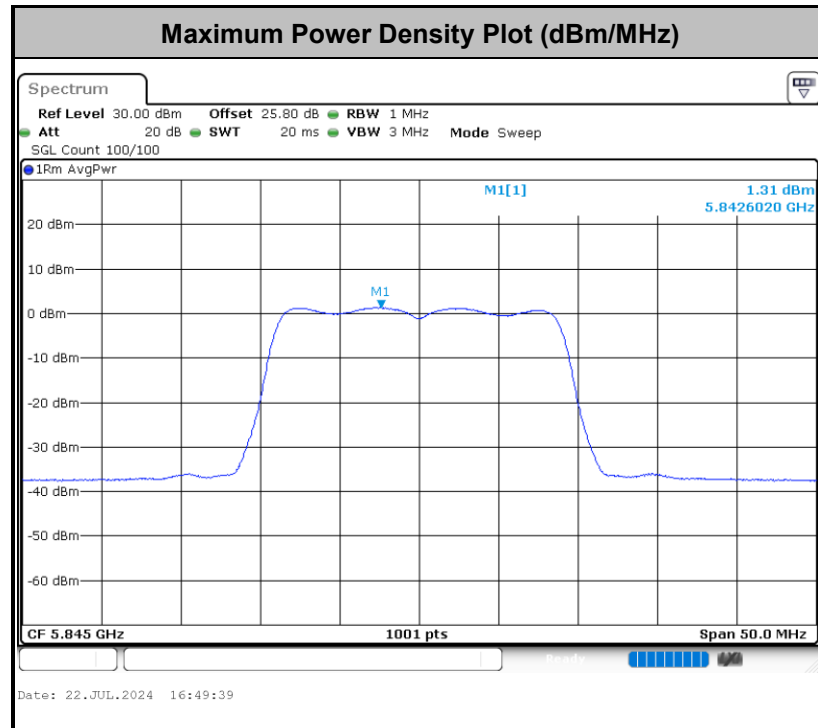
Test Result of Power Spectral Density

<Ant. 1>

<802.11a>

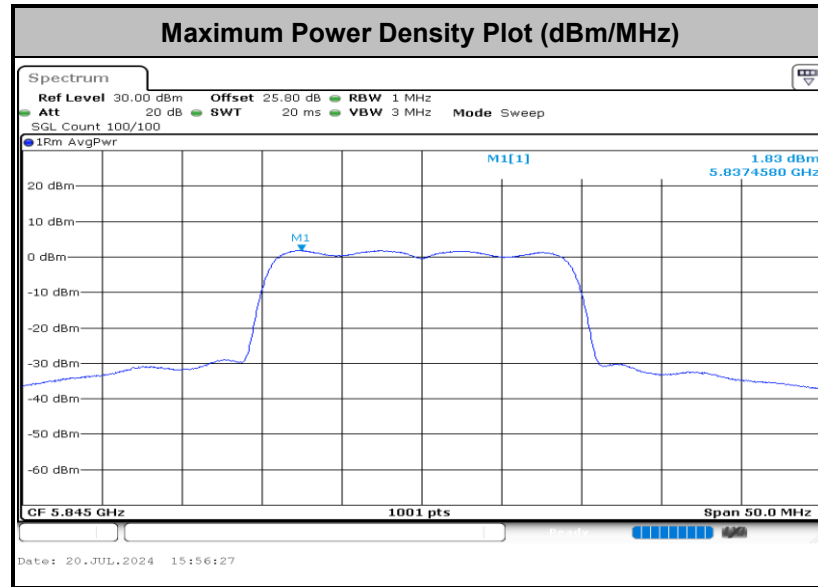


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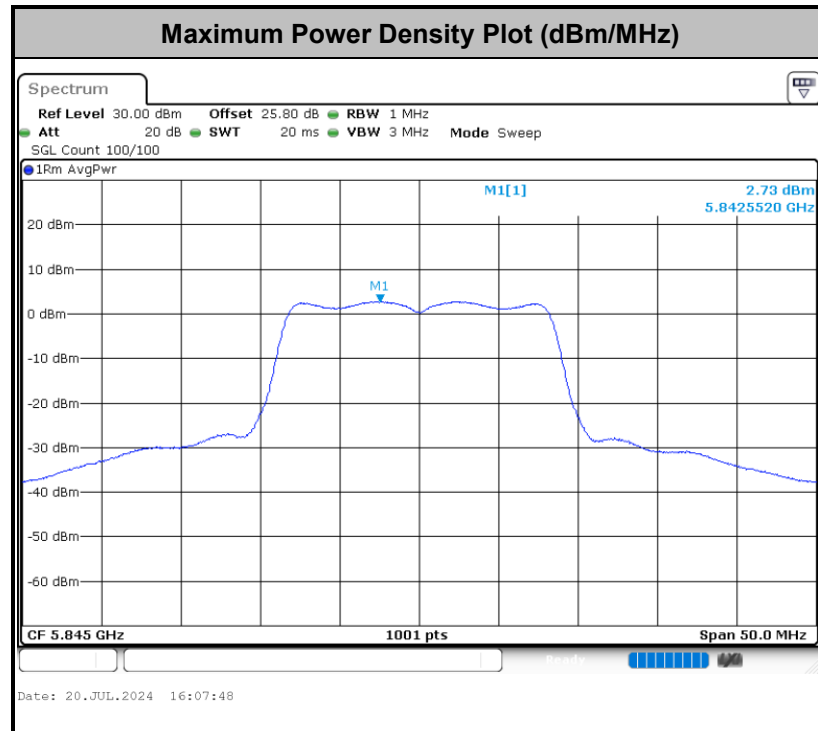


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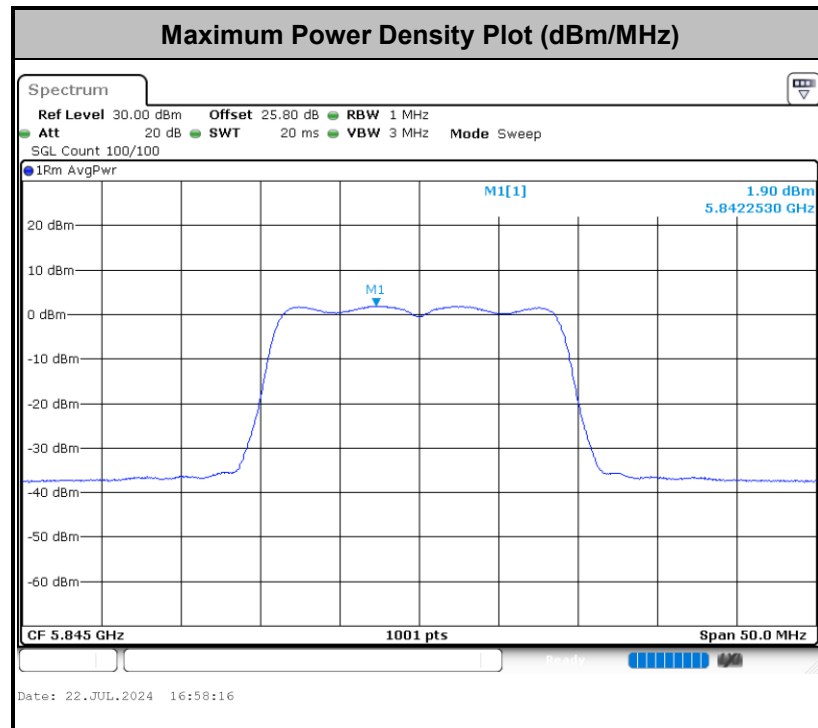


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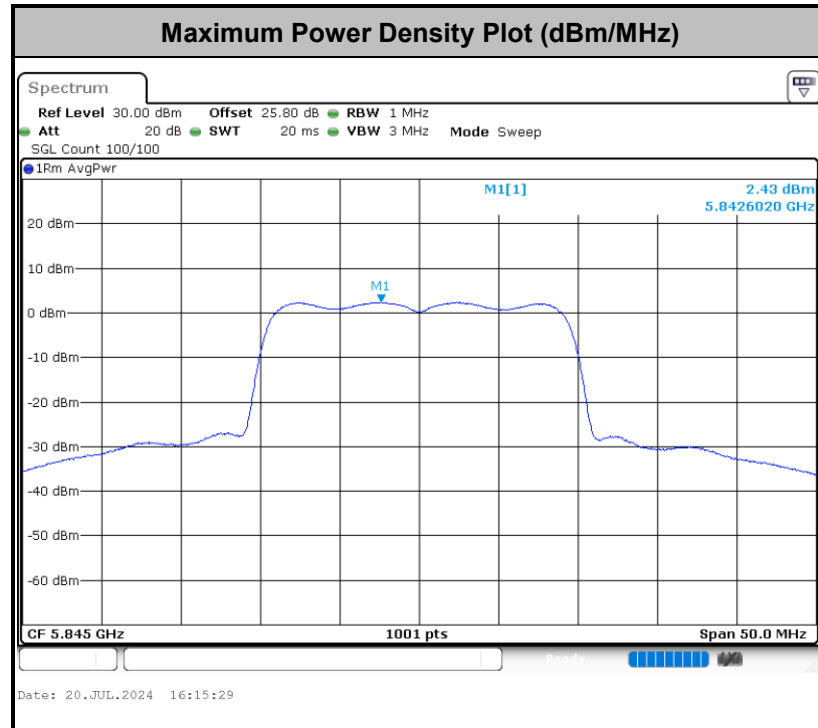


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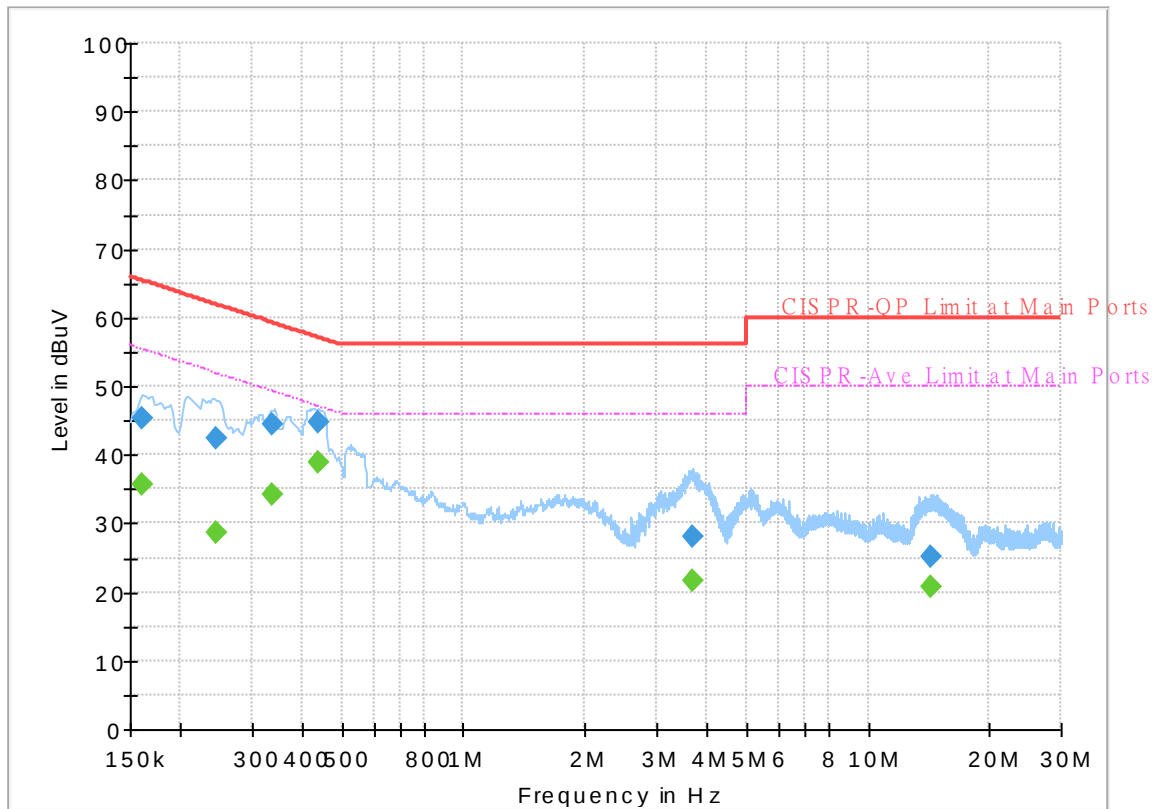
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO : 450318
Test Mode : Mode 1
Test Voltage : Power From System
Phase : Line

Full Spectrum



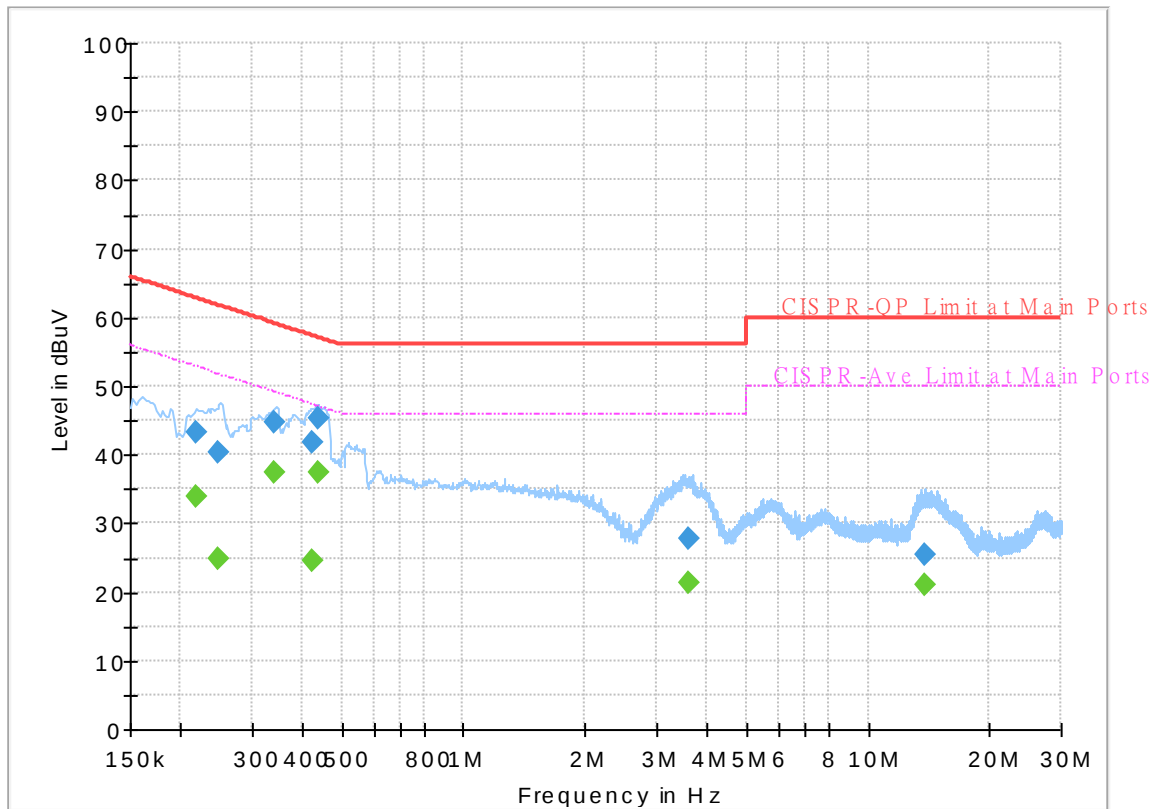
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	35.66	55.40	19.74	L1	OFF	19.8
0.161250	45.19	---	65.40	20.21	L1	OFF	19.8
0.244500	---	28.68	51.94	23.26	L1	OFF	19.8
0.244500	42.51	---	61.94	19.43	L1	OFF	19.8
0.336750	---	34.35	49.28	14.93	L1	OFF	19.8
0.336750	44.52	---	59.28	14.76	L1	OFF	19.8
0.435750	---	38.83	47.14	8.31	L1	OFF	19.8
0.435750	44.70	---	57.14	12.44	L1	OFF	19.8
3.684750	---	21.64	46.00	24.36	L1	OFF	19.8
3.684750	28.03	---	56.00	27.97	L1	OFF	19.8
14.325000	---	20.82	50.00	29.18	L1	OFF	19.9
14.325000	25.08	---	60.00	34.92	L1	OFF	19.9

EUT Information

Report NO : 450318
Test Mode : Mode 1
Test Voltage : Power From System
Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.217500	---	34.01	52.91	18.90	N	OFF	19.8
0.217500	43.14	---	62.91	19.77	N	OFF	19.8
0.246750	---	24.94	51.87	26.93	N	OFF	19.8
0.246750	40.43	---	61.87	21.44	N	OFF	19.8
0.341250	---	37.42	49.17	11.75	N	OFF	19.8
0.341250	44.71	---	59.17	14.46	N	OFF	19.8
0.424500	---	24.65	47.36	22.71	N	OFF	19.8
0.424500	41.69	---	57.36	15.67	N	OFF	19.8
0.438000	---	37.41	47.10	9.69	N	OFF	19.8
0.438000	45.24	---	57.10	11.86	N	OFF	19.8
3.608250	---	21.26	46.00	24.74	N	OFF	19.8
3.608250	27.92	---	56.00	28.08	N	OFF	19.8
13.791750	---	21.14	50.00	28.86	N	OFF	20.0
13.791750	25.32	---	60.00	34.68	N	OFF	20.0



Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	Temperature :	23.9~26.8°C
		Relative Humidity :	43.0~68.2%

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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 169 5845MHz		5622.42	49.22	-18.98	68.2	36.27	34.83	12.81	34.69	400	196	P	H
		5700.005	49.68	-55.52	105.2	36.28	35.2	12.93	34.73	400	196	P	H
		5700.3	49.97	-55.31	105.28	36.57	35.2	12.93	34.73	400	196	P	H
		5720.065	47.88	-63.07	110.95	34.47	35.2	12.95	34.74	400	196	P	H
	*	5845	104.58	-	-	91.26	35.02	13.11	34.81	400	196	P	H
	*	5842	97.79	-	-	84.47	35.03	13.1	34.81	400	196	A	H
		5901.5	50.72	-54.7	105.42	37.31	35.1	13.15	34.84	400	196	P	H
		5927.5	51.37	-36.83	88.2	38.02	35.04	13.17	34.86	400	196	P	H
		5921.75	41.96	-28.62	70.58	28.59	35.06	13.17	34.86	400	196	A	H
		5925.75	41.95	-26.25	68.2	28.59	35.05	13.17	34.86	400	196	A	H
		5619.765	49.31	-18.89	68.2	36.37	34.82	12.81	34.69	353	231	P	V
		5657.82	50.59	-23.42	74.01	37.41	35.03	12.86	34.71	353	231	P	V
		5716.525	49.45	-60.38	109.83	36.04	35.2	12.95	34.74	353	231	P	V
		5721.835	49.06	-65.92	114.98	35.64	35.2	12.96	34.74	353	231	P	V
	*	5845	100.74	-	-	87.42	35.02	13.11	34.81	353	231	P	V
	*	5845	95.06	-	-	81.74	35.02	13.11	34.81	353	231	A	V
		5912.75	50.72	-46.45	97.17	37.34	35.07	13.16	34.85	353	231	P	V
		5967.75	52.33	-35.87	88.2	38.94	35.07	13.2	34.88	353	231	P	V
		5918.5	41.84	-31.12	72.96	28.47	35.06	13.16	34.85	353	231	A	V
		5997.5	41.91	-26.29	68.2	28.39	35.19	13.23	34.9	353	231	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 173 5865MHz		5635.99	49.75	-18.45	68.2	36.7	34.92	12.83	34.7	400	196	P	H
		5699.415	49.54	-55.23	104.77	36.15	35.2	12.92	34.73	400	196	P	H
		5705.61	50.01	-56.76	106.77	36.62	35.2	12.93	34.74	400	196	P	H
		5724.785	47.77	-73.94	121.71	34.36	35.2	12.96	34.75	400	196	P	H
	*	5865	101.38	-	-	88.05	35.03	13.12	34.82	400	196	P	H
	*	5865	95.76	-	-	82.43	35.03	13.12	34.82	400	196	A	H
		5924	52.35	-36.58	88.93	38.99	35.05	13.17	34.86	400	196	P	H
		5952.5	52.05	-36.15	88.2	38.72	35.01	13.19	34.87	400	196	P	H
		5895	42.03	-48.17	90.2	28.63	35.09	13.15	34.84	400	196	A	H
		5941.5	41.95	-26.25	68.2	28.62	35.02	13.18	34.87	400	196	A	H
		5620.355	49.69	-18.51	68.2	36.75	34.82	12.81	34.69	332	231	P	V
		5657.23	49.97	-23.6	73.57	36.79	35.03	12.86	34.71	332	231	P	V
		5702.365	50.32	-55.54	105.86	36.92	35.2	12.93	34.73	332	231	P	V
		5724.49	49	-72.04	121.04	35.59	35.2	12.96	34.75	332	231	P	V
	*	5865	99.5	-	-	86.17	35.03	13.12	34.82	332	231	P	V
	*	5865	93.73	-	-	80.4	35.03	13.12	34.82	332	231	A	V
		5920.25	51.87	-39.81	91.68	38.5	35.06	13.17	34.86	332	231	P	V
		5973.5	52.16	-36.04	88.2	38.75	35.09	13.21	34.89	332	231	P	V
		5895	41.92	-48.28	90.2	28.52	35.09	13.15	34.84	332	231	A	V
		5986	41.85	-26.35	68.2	28.38	35.14	13.22	34.89	332	231	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 177 5885MHz		5607.965	50.01	-18.19	68.2	37.15	34.75	12.79	34.68	100	232	P	H
		5695.58	49.16	-52.78	101.94	35.79	35.18	12.92	34.73	100	232	P	H
		5719.18	48.22	-62.35	110.57	34.81	35.2	12.95	34.74	100	232	P	H
		5721.245	48.06	-65.58	113.64	34.64	35.2	12.96	34.74	100	232	P	H
	*	5885	100.42	-	-	87.05	35.07	13.14	34.84	100	232	P	H
	*	5885	93.86	-	-	80.49	35.07	13.14	34.84	100	232	A	H
		5895	72.94	-37.26	110.2	59.54	35.09	13.15	34.84	100	232	P	H
		5957.25	52	-36.2	88.2	38.65	35.03	13.2	34.88	100	232	P	H
		5895	67.05	-23.15	90.2	53.65	35.09	13.15	34.84	100	232	A	H
		5925	42.05	-26.15	68.2	28.69	35.05	13.17	34.86	100	232	A	H
		5613.275	49.76	-18.44	68.2	36.86	34.78	12.8	34.68	330	231	P	V
		5694.99	48.64	-52.87	101.51	35.27	35.18	12.92	34.73	330	231	P	V
		5712.1	50.18	-58.41	108.59	36.78	35.2	12.94	34.74	330	231	P	V
		5722.72	48.74	-68.26	117	35.32	35.2	12.96	34.74	330	231	P	V
	*	5885	98.47	-	-	85.1	35.07	13.14	34.84	330	231	P	V
	*	5885	92.51	-	-	79.14	35.07	13.14	34.84	330	231	A	V
		5895	72.67	-37.53	110.2	59.27	35.09	13.15	34.84	330	231	P	V
		5926	51.49	-36.71	88.2	38.13	35.05	13.17	34.86	330	231	P	V
		5895	65.71	-24.49	90.2	52.31	35.09	13.15	34.84	330	231	A	V
		5926.25	41.89	-26.31	68.2	28.53	35.05	13.17	34.86	330	231	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

[illegible]



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 173 5865MHz		11730	62.77	-11.23	74	61.05	38.64	19.65	56.57	400	194	P	H
		11730	52.75	-1.25	54	51.03	38.64	19.65	56.57	400	194	A	H
		17595	48.79	-19.41	68.2	38.45	41.66	24.15	55.47	-	-	P	H
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		11730	62.36	-11.64	74	60.64	38.64	19.65	56.57	400	249	P	V
		11730	52.07	-1.93	54	50.35	38.64	19.65	56.57	400	249	A	V
		17595	50.36	-17.84	68.2	40.02	41.66	24.15	55.47	-	-	P	V
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[illegible]



Band 4 5725~5850MHz

WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 169 5845MHz		5617.995	49.68	-18.52	68.2	36.75	34.81	12.81	34.69	400	196	P	H
		5698.53	48.62	-55.5	104.12	35.24	35.19	12.92	34.73	400	196	P	H
		5701.185	48.87	-56.66	105.53	35.47	35.2	12.93	34.73	400	196	P	H
		5724.195	49.13	-71.23	120.36	35.72	35.2	12.96	34.75	400	196	P	H
	*	5845	104.3	-	-	90.98	35.02	13.11	34.81	400	196	P	H
	*	5845	97.54	-	-	84.22	35.02	13.11	34.81	400	196	A	H
		5903.25	50.91	-53.23	104.14	37.52	35.09	13.15	34.85	400	196	P	H
		5949.5	51.05	-37.15	88.2	37.73	35	13.19	34.87	400	196	P	H
		5922.25	41.96	-28.25	70.21	28.59	35.06	13.17	34.86	400	196	A	H
		5926.75	41.94	-26.26	68.2	28.58	35.05	13.17	34.86	400	196	A	H
		5630.975	50.54	-17.66	68.2	37.52	34.89	12.82	34.69	353	231	P	V
		5686.14	48.58	-46.4	94.98	35.26	35.14	12.9	34.72	353	231	P	V
		5719.18	49.37	-61.2	110.57	35.96	35.2	12.95	34.74	353	231	P	V
		5725.08	48.78	-85.42	134.2	35.37	35.2	12.96	34.75	353	231	P	V
	*	5845	101.77	-	-	88.45	35.02	13.11	34.81	353	231	P	V
	*	5845	94.48	-	-	81.16	35.02	13.11	34.81	353	231	A	V
		5918	51.42	-41.9	93.32	38.05	35.06	13.16	34.85	353	231	P	V
		5979.75	51.07	-37.13	88.2	37.63	35.12	13.21	34.89	353	231	P	V
		5923.75	41.85	-27.26	69.11	28.49	35.05	13.17	34.86	353	231	A	V
		5996.5	41.88	-26.32	68.2	28.36	35.19	13.23	34.9	353	231	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 173 5865MHz		5626.55	49.7	-18.5	68.2	36.71	34.86	12.82	34.69	400	196	P	H
		5671.095	51.21	-32.64	83.85	37.97	35.08	12.88	34.72	400	196	P	H
		5715.345	49.38	-60.12	109.5	35.97	35.2	12.95	34.74	400	196	P	H
		5722.13	51.3	-64.36	115.66	37.88	35.2	12.96	34.74	400	196	P	H
	*	5865	103.93	-	-	90.6	35.03	13.12	34.82	400	196	P	H
	*	5865	95.35	-	-	82.02	35.03	13.12	34.82	400	196	A	H
		5911.25	51.4	-46.87	98.27	38.01	35.08	13.16	34.85	400	196	P	H
		5929.5	51.2	-37	88.2	37.85	35.04	13.17	34.86	400	196	P	H
		5896.5	42.01	-47.09	89.1	28.61	35.09	13.15	34.84	400	196	A	H
		5937.25	41.97	-26.23	68.2	28.62	35.03	13.18	34.86	400	196	A	H
		5610.325	50.34	-17.86	68.2	37.47	34.76	12.79	34.68	332	231	P	V
		5692.63	49.76	-50.01	99.77	36.41	35.17	12.91	34.73	332	231	P	V
		5717.41	49.16	-60.92	110.08	35.75	35.2	12.95	34.74	332	231	P	V
		5725.08	48.37	-85.83	134.2	34.96	35.2	12.96	34.75	332	231	P	V
	*	5865	100.62	-	-	87.29	35.03	13.12	34.82	332	231	P	V
	*	5865	92.89	-	-	79.56	35.03	13.12	34.82	332	231	A	V
		5921.5	51.09	-39.67	90.76	37.72	35.06	13.17	34.86	332	231	P	V
		5990	52.38	-35.82	88.2	38.89	35.16	13.22	34.89	332	231	P	V
		5897	41.95	-46.78	88.73	28.55	35.09	13.15	34.84	332	231	A	V
		5984.25	41.85	-26.35	68.2	28.38	35.14	13.22	34.89	332	231	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 177 5885MHz		5639.53	50.21	-17.99	68.2	37.13	34.94	12.84	34.7	100	232	P	H
		5674.34	51.23	-35.02	86.25	37.96	35.1	12.89	34.72	100	232	P	H
		5703.545	49.23	-56.96	106.19	35.83	35.2	12.93	34.73	100	232	P	H
		5722.425	48.82	-67.51	116.33	35.4	35.2	12.96	34.74	100	232	P	H
	*	5885	100.42	-	-	87.05	35.07	13.14	34.84	100	232	P	H
	*	5885	93.48	-	-	80.11	35.07	13.14	34.84	100	232	A	H
		5895	81.07	-29.13	110.2	67.67	35.09	13.15	34.84	100	232	P	H
		5947.25	51.46	-36.74	88.2	38.13	35.01	13.19	34.87	100	232	P	H
		5895	79.89	-10.31	90.2	66.49	35.09	13.15	34.84	100	232	A	H
		5929.75	42.02	-26.18	68.2	28.67	35.04	13.17	34.86	100	232	A	H
		5642.775	49.58	-18.62	68.2	36.48	34.96	12.84	34.7	330	231	P	V
		5681.125	49.45	-41.82	91.27	36.15	35.12	12.9	34.72	330	231	P	V
		5716.82	50.42	-59.49	109.91	37.01	35.2	12.95	34.74	330	231	P	V
		5723.605	47.49	-71.53	119.02	34.08	35.2	12.96	34.75	330	231	P	V
	*	5885	99.48	-	-	86.11	35.07	13.14	34.84	330	231	P	V
	*	5885	92.16	-	-	78.79	35.07	13.14	34.84	330	231	A	V
		5895	80.2	-30	110.2	66.8	35.09	13.15	34.84	330	231	P	V
		5941.25	50.44	-37.76	88.2	37.11	35.02	13.18	34.87	330	231	P	V
		5895	78.46	-11.74	90.2	65.06	35.09	13.15	34.84	330	231	A	V
		5925	41.92	-26.28	68.2	28.56	35.05	13.17	34.86	330	231	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 169 5845MHz		11690	61.52	-12.48	74	59.87	38.66	19.63	56.64	299	166	P	H
		11690	52.86	-1.14	54	51.21	38.66	19.63	56.64	299	166	A	H
		17535	50.61	-17.59	68.2	40.69	41.33	24.12	55.53	-	-	P	H
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		11690	60.05	-13.95	74	58.4	38.66	19.63	56.64	400	272	P	V
		11690	50.72	-3.28	54	49.07	38.66	19.63	56.64	400	272	A	V
		17535	50.46	-17.74	68.2	40.54	41.33	24.12	55.53	-	-	P	V
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WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 173 5865MHz		11730	61.39	-12.61	74	59.67	38.64	19.65	56.57	391	191	P	H
		11730	52.09	-1.91	54	50.37	38.64	19.65	56.57	391	191	A	H
		17595	50.79	-17.41	68.2	40.45	41.66	24.15	55.47	-	-	P	H
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		11730	59.74	-14.26	74	58.02	38.64	19.65	56.57	371	250	P	V
		11730	50.9	-3.1	54	49.18	38.64	19.65	56.57	371	250	A	V
		17595	50.19	-18.01	68.2	39.85	41.66	24.15	55.47	-	-	P	V
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[illegible]



Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 106 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/54 CH 177 5885MHz		5623.895	49.08	-19.12	68.2	36.12	34.84	12.81	34.69	100	232	P	H
		5657.82	49.48	-24.53	74.01	36.3	35.03	12.86	34.71	100	232	P	H
		5713.87	50.24	-58.85	109.09	36.83	35.2	12.95	34.74	100	232	P	H
		5723.605	47.86	-71.16	119.02	34.45	35.2	12.96	34.75	100	232	P	H
	*	5885	104.65	-	-	91.28	35.07	13.14	34.84	100	232	P	H
	*	5885	95.41	-	-	82.04	35.07	13.14	34.84	100	232	A	H
		5895.25	79.37	-30.65	110.02	65.97	35.09	13.15	34.84	100	232	P	H
		5987.5	51.41	-36.79	88.2	37.93	35.15	13.22	34.89	100	232	P	H
		5895.25	77.51	-12.51	90.02	64.11	35.09	13.15	34.84	100	232	A	H
		5925.25	42.79	-25.41	68.2	29.43	35.05	13.17	34.86	100	232	A	H
		5620.65	50.42	-17.78	68.2	37.48	34.82	12.81	34.69	400	41	P	V
		5685.255	49.87	-44.45	94.32	36.55	35.14	12.9	34.72	400	41	P	V
		5704.135	50.35	-56.01	106.36	36.95	35.2	12.93	34.73	400	41	P	V
		5721.245	50.08	-63.56	113.64	36.66	35.2	12.96	34.74	400	41	P	V
	*	5885	101.86	-	-	88.49	35.07	13.14	34.84	400	41	P	V
	*	5885	92.93	-	-	79.56	35.07	13.14	34.84	400	41	A	V
		5895.25	76.6	-33.42	110.02	63.2	35.09	13.15	34.84	400	41	P	V
		5967	51.54	-36.66	88.2	38.15	35.07	13.2	34.88	400	41	P	V
		5895.25	74.99	-15.03	90.02	61.59	35.09	13.15	34.84	400	41	A	V
		5943.25	42.78	-25.42	68.2	29.46	35.01	13.18	34.87	400	41	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission above 18GHz

5GHz WIFI WIFI 802.11ax HE20 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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE 20 Full SHF		39802	46.5	-27.5	74	45.56	44.7	14.84	58.6	-	-	P	H
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Emission below 1GHz

5GHz WIFI 802.11ax HE20 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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE 20 Full LF		61.86	31.87	-8.13	40	48.13	12.02	1.63	29.91	-	-	P	H
		155.82	28.9	-14.6	43.5	39.62	16.6	2.52	29.84	-	-	P	H
		240.06	35.17	-10.83	46	45.06	16.96	2.97	29.82	-	-	P	H
		731.2	33.99	-12.01	46	32.02	26.48	5.02	29.53	-	-	P	H
		857.2	32.31	-13.69	46	27.67	28.26	5.5	29.12	-	-	P	H
		956.6	33.79	-12.21	46	26.96	29.66	5.79	28.62	-	-	P	H
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		30	31.7	-8.3	40	36.24	24.29	1.11	29.94	-	-	P	V
		61.86	30.53	-9.47	40	46.79	12.02	1.63	29.91	-	-	P	V
		146.1	29.23	-14.27	43.5	39.43	17.23	2.42	29.85	-	-	P	V
		760.6	30.37	-15.63	46	27.42	27.26	5.13	29.44	-	-	P	V
		868.4	31.9	-14.1	46	27.31	28.1	5.54	29.05	-	-	P	V
		957.3	33.76	-12.24	46	26.9	29.68	5.79	28.61	-	-	P	V
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Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												
	3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												



Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 169 5845MHz		5645.725	49.87	-18.33	68.2	36.75	34.97	12.85	34.7	314	177	P	H
		5664.605	48.89	-30.15	79.04	35.67	35.06	12.87	34.71	314	177	P	H
		5706.2	48.71	-58.23	106.94	35.32	35.2	12.93	34.74	314	177	P	H
		5725.08	48.27	-85.93	134.2	34.86	35.2	12.96	34.75	314	177	P	H
	*	5845	107.01	-	-	93.69	35.02	13.11	34.81	314	177	P	H
	*	5845	98.74	-	-	85.42	35.02	13.11	34.81	314	177	A	H
		5904.75	51.76	-51.28	103.04	38.37	35.09	13.15	34.85	314	177	P	H
		5968.75	51.59	-36.61	88.2	38.19	35.08	13.2	34.88	314	177	P	H
		5911.75	41.99	-35.91	77.9	28.6	35.08	13.16	34.85	314	177	A	H
		5998	41.98	-26.22	68.2	28.46	35.19	13.23	34.9	314	177	A	H
		5601.18	48.4	-19.8	68.2	35.59	34.71	12.78	34.68	299	162	P	V
		5667.26	50.08	-30.93	81.01	36.84	35.07	12.88	34.71	299	162	P	V
		5718	49.1	-61.14	110.24	35.69	35.2	12.95	34.74	299	162	P	V
		5721.835	48.05	-66.93	114.98	34.63	35.2	12.96	34.74	299	162	P	V
	*	5845	100.02	-	-	86.7	35.02	13.11	34.81	299	162	P	V
	*	5845	93.77	-	-	80.45	35.02	13.11	34.81	299	162	A	V
		5919.75	50.93	-41.11	92.04	37.56	35.06	13.17	34.86	299	162	P	V
		5992.75	52.12	-36.08	88.2	38.63	35.17	13.22	34.9	299	162	P	V
		5914.75	41.84	-33.86	75.7	28.46	35.07	13.16	34.85	299	162	A	V
		5930.25	41.84	-26.36	68.2	28.49	35.04	13.17	34.86	299	162	A	V



WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 173 5865MHz		5620.65	49.77	-18.43	68.2	36.83	34.82	12.81	34.69	400	209	P	H
		5696.465	49.54	-53.05	102.59	36.16	35.19	12.92	34.73	400	209	P	H
		5712.1	49.73	-58.86	108.59	36.33	35.2	12.94	34.74	400	209	P	H
		5720.065	48.75	-62.2	110.95	35.34	35.2	12.95	34.74	400	209	P	H
	*	5865	101.84	-	-	88.51	35.03	13.12	34.82	400	209	P	H
	*	5865	97.05	-	-	83.72	35.03	13.12	34.82	400	209	A	H
		5896.25	51.29	-57.99	109.28	37.89	35.09	13.15	34.84	400	209	P	H
		5967.5	51.67	-36.53	88.2	38.28	35.07	13.2	34.88	400	209	P	H
		5895	43.03	-47.17	90.2	29.63	35.09	13.15	34.84	400	209	A	H
		5927.25	41.9	-26.3	68.2	28.54	35.05	13.17	34.86	400	209	A	H
		5615.93	50.14	-18.06	68.2	37.22	34.8	12.8	34.68	297	161	P	V
		5695.875	49.26	-52.9	102.16	35.89	35.18	12.92	34.73	297	161	P	V
		5702.66	49.01	-56.94	105.95	35.61	35.2	12.93	34.73	297	161	P	V
		5723.31	48.72	-69.63	118.35	35.31	35.2	12.96	34.75	297	161	P	V
	*	5865	97.75	-	-	84.42	35.03	13.12	34.82	297	161	P	V
	*	5865	92.98	-	-	79.65	35.03	13.12	34.82	297	161	A	V
		5919.5	50.46	-41.76	92.22	37.08	35.06	13.17	34.85	297	161	P	V
		5980.5	52.16	-36.04	88.2	38.72	35.12	13.21	34.89	297	161	P	V
		5895.25	42.16	-47.86	90.02	28.76	35.09	13.15	34.84	297	161	A	V
		5926	41.83	-26.37	68.2	28.47	35.05	13.17	34.86	297	161	A	V



WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 177 5885MHz		5627.435	49.92	-18.28	68.2	36.93	34.86	12.82	34.69	100	110	P	H
		5699.12	49.64	-54.91	104.55	36.25	35.2	12.92	34.73	100	110	P	H
		5713.28	49.4	-59.52	108.92	36	35.2	12.94	34.74	100	110	P	H
		5723.9	49.99	-69.7	119.69	36.58	35.2	12.96	34.75	100	110	P	H
	*	5885	101.77	-	-	88.4	35.07	13.14	34.84	100	110	P	H
	*	5885	96.77	-	-	83.4	35.07	13.14	34.84	100	110	A	H
		5895	76.14	-34.06	110.2	62.74	35.09	13.15	34.84	100	110	P	H
		5947.25	51.82	-36.38	88.2	38.49	35.01	13.19	34.87	100	110	P	H
		5895	69.12	-21.08	90.2	55.72	35.09	13.15	34.84	100	110	A	H
		5925	42.31	-25.89	68.2	28.95	35.05	13.17	34.86	100	110	A	H
		5632.155	49.99	-18.21	68.2	36.96	34.89	12.83	34.69	281	163	P	V
		5674.635	50.33	-36.14	86.47	37.06	35.1	12.89	34.72	281	163	P	V
		5707.97	48.87	-58.56	107.43	35.47	35.2	12.94	34.74	281	163	P	V
		5724.195	48.88	-71.48	120.36	35.47	35.2	12.96	34.75	281	163	P	V
	*	5885	97.75	-	-	84.38	35.07	13.14	34.84	281	163	P	V
	*	5885	93.13	-	-	79.76	35.07	13.14	34.84	281	163	A	V
		5895.01	71.2	-38.99	110.19	57.8	35.09	13.15	34.84	281	163	P	V
		5979.25	51.16	-37.04	88.2	37.72	35.12	13.21	34.89	281	163	P	V
		5895	65.63	-24.57	90.2	52.23	35.09	13.15	34.84	281	163	A	V
		5927.25	41.99	-26.21	68.2	28.63	35.05	13.17	34.86	281	163	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 169 5845MHz		11690	61	-13	74	59.35	38.66	19.63	56.64	298	168	P	H
		11690	52.54	-1.46	54	50.89	38.66	19.63	56.64	298	168	A	H
		17535	50.01	-18.19	68.2	40.09	41.33	24.12	55.53	-	-	P	H
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		11690	60.34	-13.66	74	58.69	38.66	19.63	56.64	363	270	P	V
		11690	51.11	-2.89	54	49.46	38.66	19.63	56.64	363	270	A	V
		17535	51.37	-16.83	68.2	41.45	41.33	24.12	55.53	-	-	P	V
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WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 173 5865MHz		11730	60.14	-13.86	74	58.42	38.64	19.65	56.57	297	165	P	H
		11730	52.07	-1.93	54	50.35	38.64	19.65	56.57	297	165	A	H
		17595	51.16	-17.04	68.2	40.82	41.66	24.15	55.47	-	-	P	H
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													H
		11730	60.76	-13.24	74	59.04	38.64	19.65	56.57	353	250	P	V
		11730	51.75	-2.25	54	50.03	38.64	19.65	56.57	353	250	A	V
		17595	50.16	-18.04	68.2	39.82	41.66	24.15	55.47	-	-	P	V
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Band 4 5725~5850MHz

WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 169 5845MHz		5638.055	50.28	-17.92	68.2	37.21	34.93	12.84	34.7	400	208	P	H
		5700.005	50.51	-54.69	105.2	37.11	35.2	12.93	34.73	400	208	P	H
		5713.28	48.8	-60.12	108.92	35.4	35.2	12.94	34.74	400	208	P	H
		5725.08	48.9	-85.3	134.2	35.49	35.2	12.96	34.75	400	208	P	H
	*	5845	102.57	-	-	89.25	35.02	13.11	34.81	400	208	P	H
	*	5845	96.66	-	-	83.34	35.02	13.11	34.81	400	208	A	H
		5898.5	51.62	-56.01	107.63	38.21	35.1	13.15	34.84	400	208	P	H
		5966.5	51.77	-36.43	88.2	38.38	35.07	13.2	34.88	400	208	P	H
		5895.25	42.04	-47.98	90.02	28.64	35.09	13.15	34.84	400	208	A	H
		5996.5	42.04	-26.16	68.2	28.52	35.19	13.23	34.9	400	208	A	H
		5603.54	49.34	-18.86	68.2	36.51	34.72	12.79	34.68	301	162	P	V
		5658.41	50.45	-24	74.45	37.27	35.03	12.86	34.71	301	162	P	V
		5716.82	49.34	-60.57	109.91	35.93	35.2	12.95	34.74	301	162	P	V
		5720.95	49.03	-63.94	112.97	35.61	35.2	12.96	34.74	301	162	P	V
	*	5845	98.63	-	-	85.31	35.02	13.11	34.81	301	162	P	V
	*	5845	93.11	-	-	79.79	35.02	13.11	34.81	301	162	A	V
		5912.25	50.91	-46.63	97.54	37.52	35.08	13.16	34.85	301	162	P	V
		5995.25	51.22	-36.98	88.2	37.71	35.18	13.23	34.9	301	162	P	V
		5914.75	41.9	-33.8	75.7	28.52	35.07	13.16	34.85	301	162	A	V
		5930.25	41.88	-26.32	68.2	28.53	35.04	13.17	34.86	301	162	A	V



WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 173 5865MHz		5628.615	50.53	-17.67	68.2	37.53	34.87	12.82	34.69	400	209	P	H
		5691.745	50.11	-49	99.11	36.76	35.17	12.91	34.73	400	209	P	H
		5708.265	49.35	-58.17	107.52	35.95	35.2	12.94	34.74	400	209	P	H
		5720.36	47.83	-63.79	111.62	34.42	35.2	12.95	34.74	400	209	P	H
	*	5865	101.96	-	-	88.63	35.03	13.12	34.82	400	209	P	H
	*	5865	96.47	-	-	83.14	35.03	13.12	34.82	400	209	A	H
		5897.5	51.63	-56.73	108.36	38.23	35.09	13.15	34.84	400	209	P	H
		5979.25	51.77	-36.43	88.2	38.33	35.12	13.21	34.89	400	209	P	H
		5895	43.54	-46.66	90.2	30.14	35.09	13.15	34.84	400	209	A	H
		5926.25	41.93	-26.27	68.2	28.57	35.05	13.17	34.86	400	209	A	H
		5600.59	49.94	-18.26	68.2	37.14	34.7	12.78	34.68	298	163	P	V
		5679.355	49.28	-40.68	89.96	35.98	35.12	12.9	34.72	298	163	P	V
		5716.525	48.86	-60.97	109.83	35.45	35.2	12.95	34.74	298	163	P	V
		5721.835	48.21	-66.77	114.98	34.79	35.2	12.96	34.74	298	163	P	V
	*	5865	99.3	-	-	85.97	35.03	13.12	34.82	298	163	P	V
	*	5865	92.56	-	-	79.23	35.03	13.12	34.82	298	163	A	V
		5924.25	50.75	-38	88.75	37.39	35.05	13.17	34.86	298	163	P	V
		5993	51.58	-36.62	88.2	38.09	35.17	13.22	34.9	298	163	P	V
		5895.25	42.54	-47.48	90.02	29.14	35.09	13.15	34.84	298	163	A	V
		5926	41.93	-26.27	68.2	28.57	35.05	13.17	34.86	298	163	A	V



WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 177 5885MHz		5600.59	49.48	-18.72	68.2	36.68	34.7	12.78	34.68	100	232	P	H
		5655.165	49.54	-22.5	72.04	36.37	35.02	12.86	34.71	100	232	P	H
		5715.935	49.91	-59.75	109.66	36.5	35.2	12.95	34.74	100	232	P	H
		5723.9	48.98	-70.71	119.69	35.57	35.2	12.96	34.75	100	232	P	H
	*	5885	102.13	-	-	88.76	35.07	13.14	34.84	100	232	P	H
	*	5885	96.64	-	-	83.27	35.07	13.14	34.84	100	232	A	H
		5895.01	87.39	-22.8	110.19	73.99	35.09	13.15	34.84	100	232	P	H
		5969.25	51.98	-36.22	88.2	38.57	35.08	13.21	34.88	100	232	P	H
		5895	82.6	-7.6	90.2	69.2	35.09	13.15	34.84	100	232	A	H
		5925	42.49	-25.71	68.2	29.13	35.05	13.17	34.86	100	232	A	H
		5600	49.5	-18.7	68.2	36.7	34.7	12.78	34.68	297	162	P	V
		5688.205	49.71	-46.79	96.5	36.38	35.15	12.91	34.73	297	162	P	V
		5713.87	49.89	-59.2	109.09	36.48	35.2	12.95	34.74	297	162	P	V
		5722.425	50.49	-65.84	116.33	37.07	35.2	12.96	34.74	297	162	P	V
	*	5885	98.8	-	-	85.43	35.07	13.14	34.84	297	162	P	V
	*	5885	92.44	-	-	79.07	35.07	13.14	34.84	297	162	A	V
		5895	80.84	-29.36	110.2	67.44	35.09	13.15	34.84	297	162	P	V
		5958.75	51.77	-36.43	88.2	38.42	35.03	13.2	34.88	297	162	P	V
		5895	78.76	-11.44	90.2	65.36	35.09	13.15	34.84	297	162	A	V
		5925.5	42.07	-26.13	68.2	28.71	35.05	13.17	34.86	297	162	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

[illegible]



WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 173 5865MHz		11730	61.73	-12.27	74	60.01	38.64	19.65	56.57	296	166	P	H
		11730	51.97	-2.03	54	50.25	38.64	19.65	56.57	296	166	A	H
		17595	50.38	-17.82	68.2	40.04	41.66	24.15	55.47	-	-	P	H
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		11730	60.61	-13.39	74	58.89	38.64	19.65	56.57	380	250	P	V
		11730	51.09	-2.91	54	49.37	38.64	19.65	56.57	380	250	A	V
		17595	50.18	-18.02	68.2	39.84	41.66	24.15	55.47	-	-	P	V
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[illegible]



Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 106 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/54 CH 177 5885MHz		5621.24	50.04	-18.16	68.2	37.09	34.83	12.81	34.69	397	207	P	H
		5666.67	49.73	-30.84	80.57	36.49	35.07	12.88	34.71	397	207	P	H
		5707.085	48.86	-58.33	107.19	35.46	35.2	12.94	34.74	397	207	P	H
		5724.195	48.65	-71.71	120.36	35.24	35.2	12.96	34.75	397	207	P	H
	*	5885	104.21	-	-	90.84	35.07	13.14	34.84	397	207	P	H
	*	5885	97.09	-	-	83.72	35.07	13.14	34.84	397	207	A	H
		5895.25	83.51	-26.51	110.02	70.11	35.09	13.15	34.84	397	207	P	H
		5961.75	51.22	-36.98	88.2	37.85	35.05	13.2	34.88	397	207	P	H
		5895.25	78.95	-11.07	90.02	65.55	35.09	13.15	34.84	397	207	A	H
		5929.25	42.82	-25.38	68.2	29.47	35.04	13.17	34.86	397	207	A	H
		5626.845	50.09	-18.11	68.2	37.1	34.86	12.82	34.69	390	261	P	V
		5663.13	49.26	-28.69	77.95	36.05	35.05	12.87	34.71	390	261	P	V
		5719.18	48.86	-61.71	110.57	35.45	35.2	12.95	34.74	390	261	P	V
		5723.605	49.46	-69.56	119.02	36.05	35.2	12.96	34.75	390	261	P	V
	*	5885	101.83	-	-	88.46	35.07	13.14	34.84	390	261	P	V
	*	5885	94.93	-	-	81.56	35.07	13.14	34.84	390	261	A	V
		5895.25	83.43	-26.59	110.02	70.03	35.09	13.15	34.84	390	261	P	V
		5926	51.44	-36.76	88.2	38.08	35.05	13.17	34.86	390	261	P	V
		5895.25	76.55	-13.47	90.02	63.15	35.09	13.15	34.84	390	261	A	V
		5971.5	42.66	-25.54	68.2	29.24	35.09	13.21	34.88	390	261	A	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission above 18GHz

5GHz WIFI WIFI 802.11ax HE20 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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE 20 Full SHF		39868	46.35	-27.65	74	45.24	44.7	14.87	58.46	-	-	P	H
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Emission below 1GHz

5GHz WIFI 802.11ax HE20 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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE 20 Full LF		61.86	33.65	-6.35	40	49.91	12.02	1.63	29.91	-	-	P	H
		156.09	30.74	-12.76	43.5	41.48	16.58	2.52	29.84	-	-	P	H
		245.19	36.56	-9.44	46	45.81	17.58	2.99	29.82	-	-	P	H
		780.9	30.84	-15.16	46	27.83	27.17	5.2	29.36	-	-	P	H
		879.6	33.08	-12.92	46	28.11	28.36	5.58	28.97	-	-	P	H
		955.2	33.44	-12.56	46	26.76	29.53	5.78	28.63	-	-	P	H
													H
													H
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													H
													H
		30	31.67	-8.33	40	36.21	24.29	1.11	29.94	-	-	P	V
		61.86	30.53	-9.47	40	46.79	12.02	1.63	29.91	-	-	P	V
		134.76	30.81	-12.69	43.5	40.89	17.47	2.31	29.86	-	-	P	V
		752.9	30.28	-15.72	46	27.26	27.39	5.1	29.47	-	-	P	V
		881	33.21	-12.79	46	28.28	28.31	5.59	28.97	-	-	P	V
		958.7	34.81	-11.19	46	27.89	29.72	5.8	28.6	-	-	P	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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		5650	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 169		5650	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
5845MHz													

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 @ 5650MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Margin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 5650MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Margin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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



Appendix D. Radiated Spurious Emission Plots

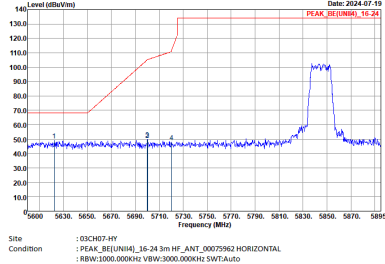
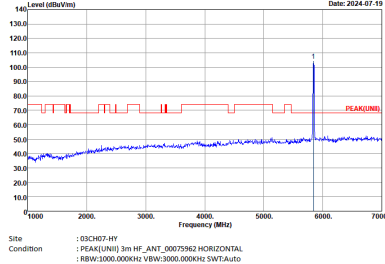
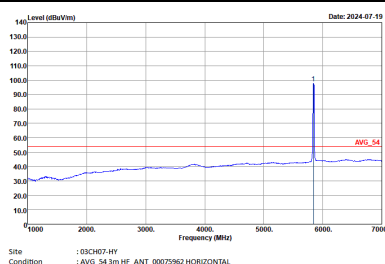
Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	Temperature :	23.9~26.8°C
		Relative Humidity :	43.0~68.2%

Note symbol

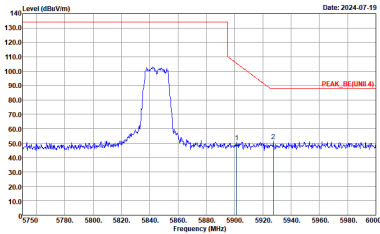
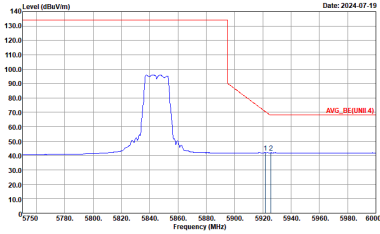
-L	Low channel location
-R	High channel location



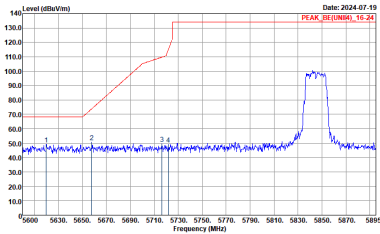
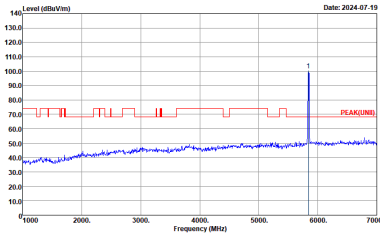
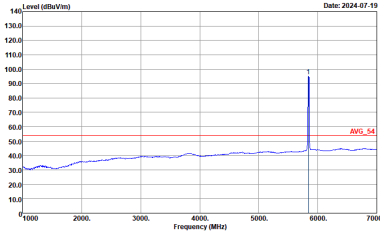
Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz -L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_80211a_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_80211a_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_80211a_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

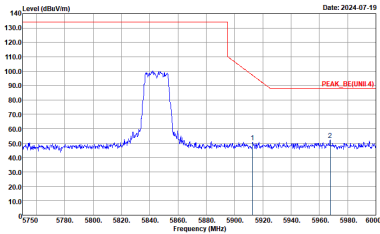
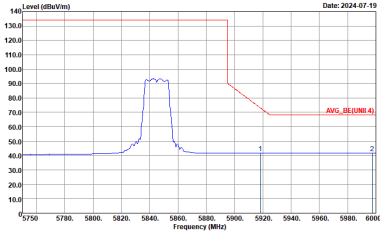


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz -R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNI4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNI4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:5.000kHz SWT:Auto	Left blank

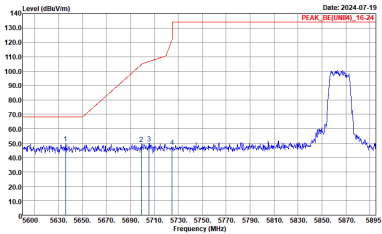
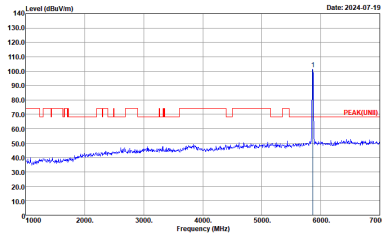
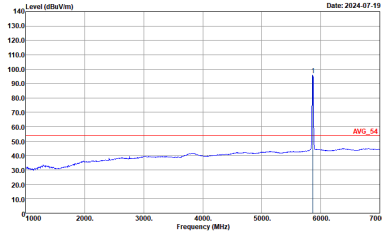


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz -L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_5845MHz_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_5845MHz 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_5845MHz 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto

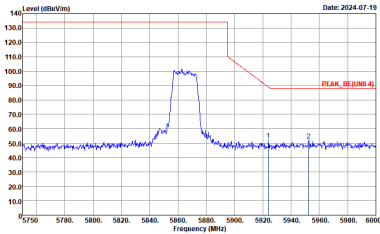
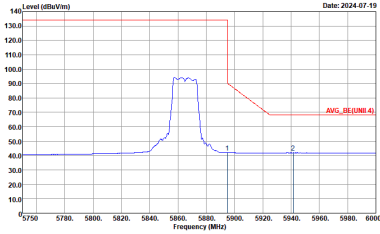


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz -R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : : AVG_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:5.000kHz SWT:Auto	Left blank

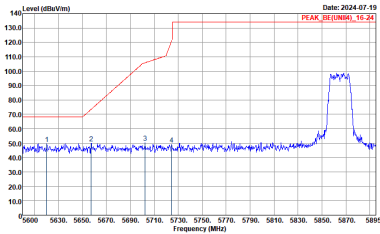
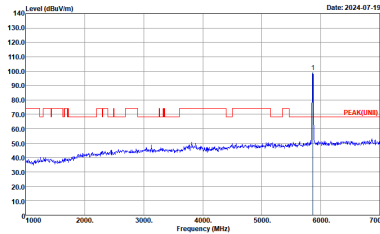
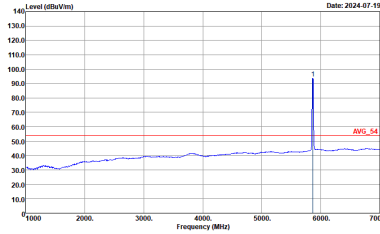


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz -L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(LIN00)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK(LIN00) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_S4 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.030kHz SWTAuto

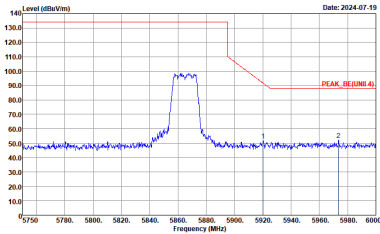
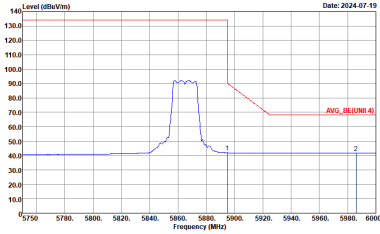


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz -R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(LINE4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(LINE4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

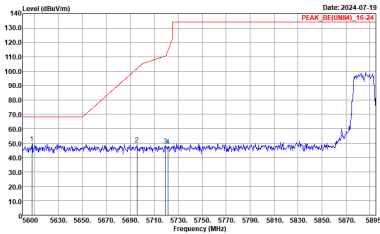
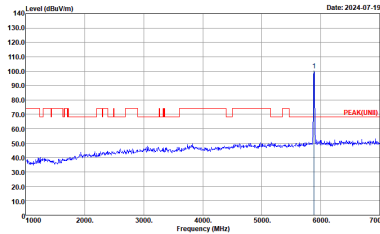
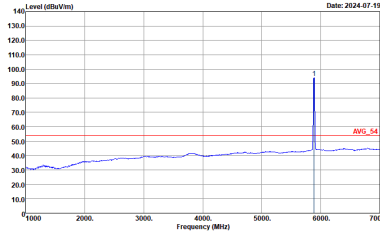


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz -L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_5865MHz_16-24 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_5865 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_5865 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto

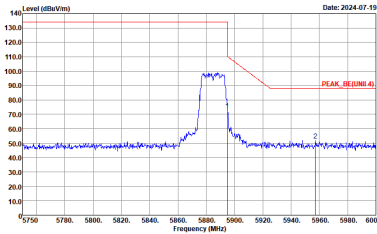
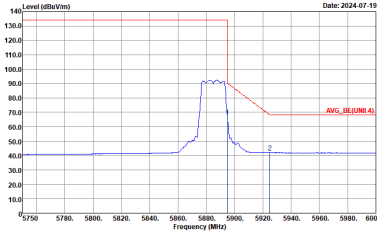


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz -R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE(UN14) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : : AVG_BE(UN14) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:5.000kHz SWT:Auto	Left blank

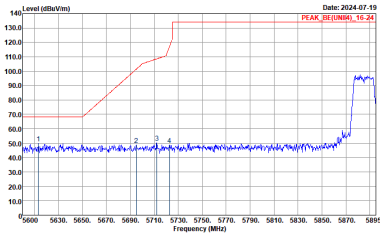
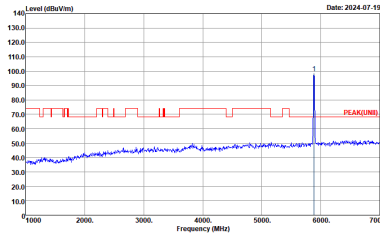
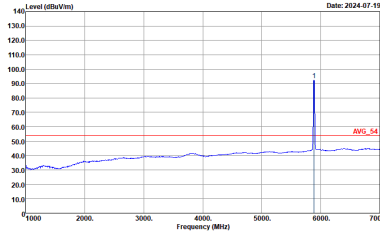


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz -L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_16(1000)_16.24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_16(1000)_16.24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_16 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto

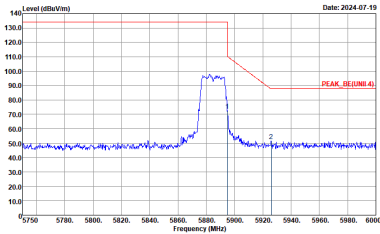
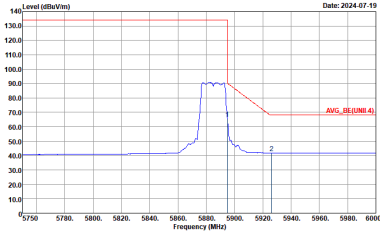


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz -L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE(LINE4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : : AVG_BE(LINE4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



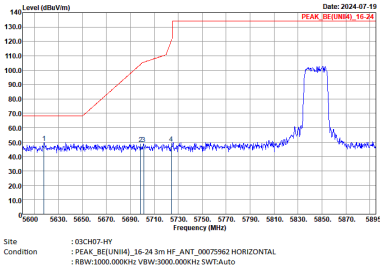
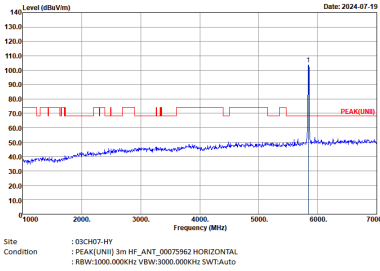
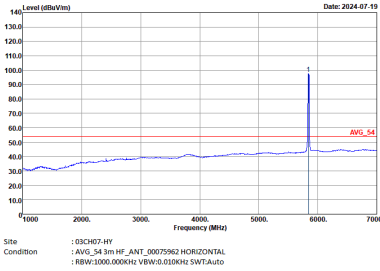
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz -L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_88(1000)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK(UNB) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto



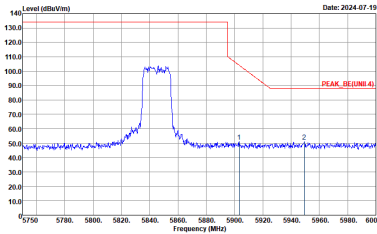
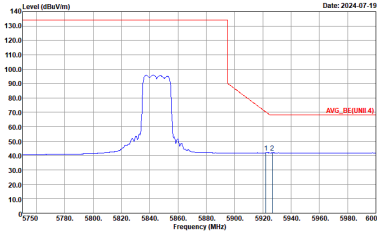
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz -R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



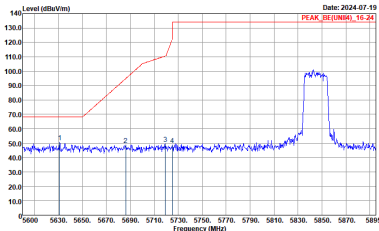
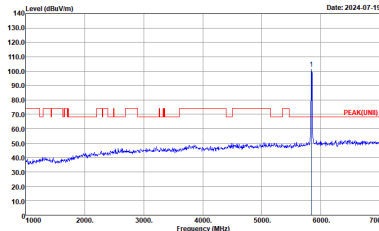
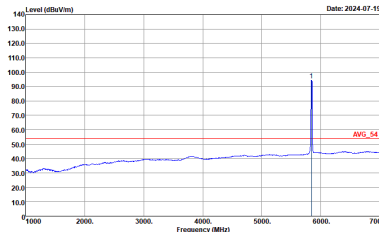
Band 4 5725~5850MHz
WIFI 802.11AX HE20 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH169 5845MHz -L	
1	Horizontal	Fundamental
Peak		
Avg	Left blank	

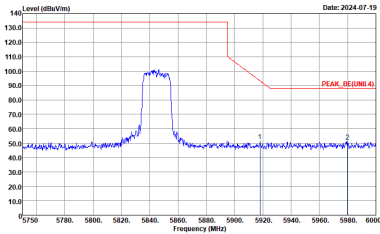
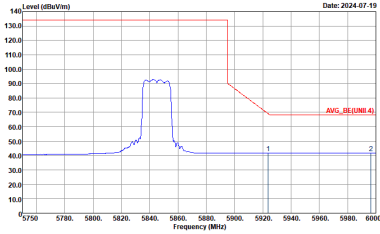


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH169 5845MHz -R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNI4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNI4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:5.000kHz SWT:Auto	Left blank

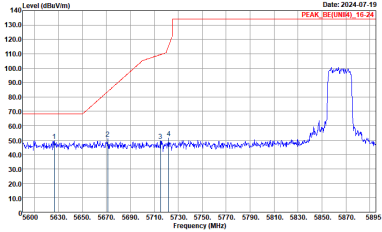
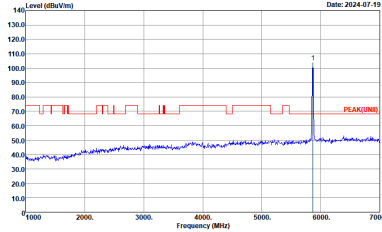
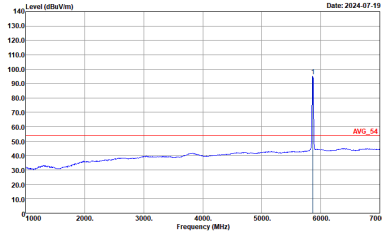


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH169 5845MHz -L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIS)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK(UNIS) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
	Avg	Left blank
		 Site : 03CH07-HY Condition : AVG_S4 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.030kHz SWTAuto

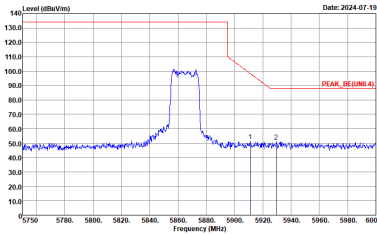
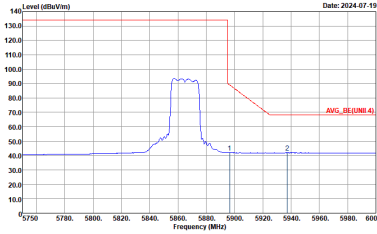


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH169 5845MHz -R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:5.000kHz SWT:Auto	Left blank

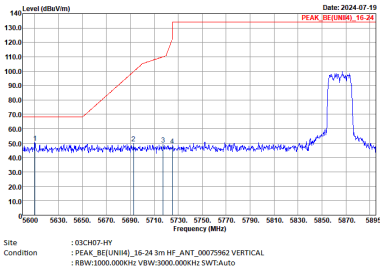
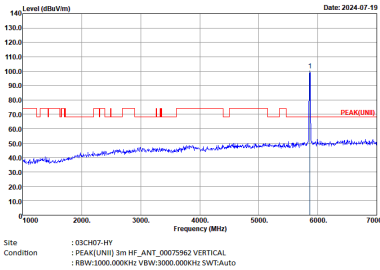
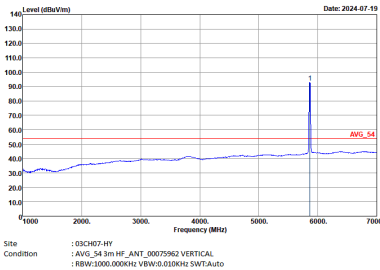


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH173 5865MHz -L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BREUNIAI_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK(LIN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_S4 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWTAuto

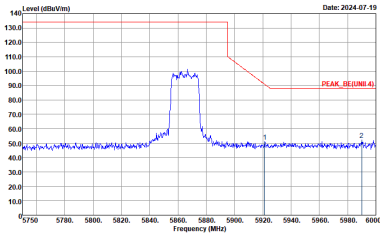
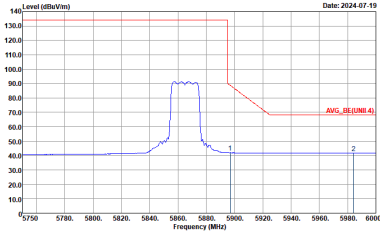


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH173 5865MHz -R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(LINE4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(LINE4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

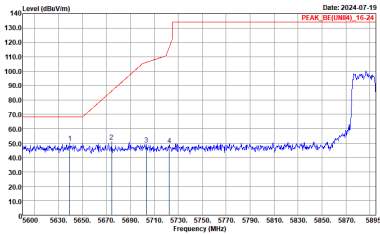
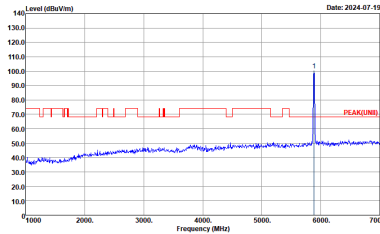
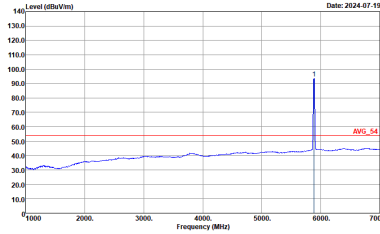


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH173 5865MHz -L	
1	Vertical	Fundamental
Peak		
Avg	Left blank	

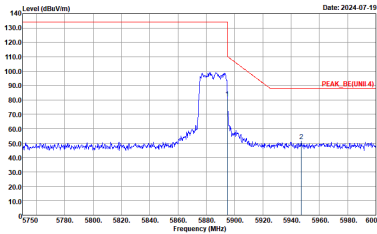
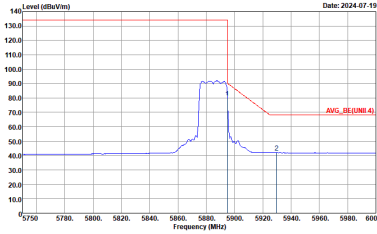


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH173 5865MHz -R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UN14) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UN14) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

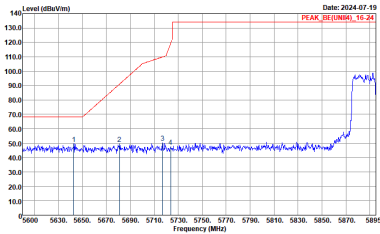
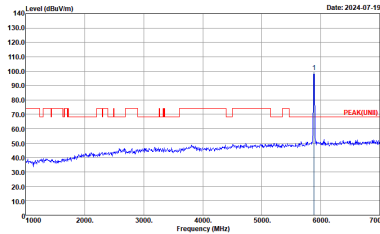
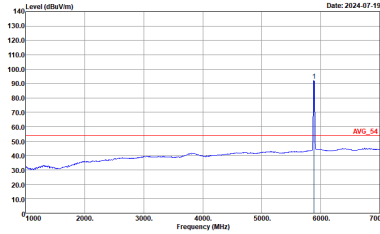


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH177 5885MHz -L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(LINR) 16-24 : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK(LINR) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_S4 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:0.030kHz SWTAuto

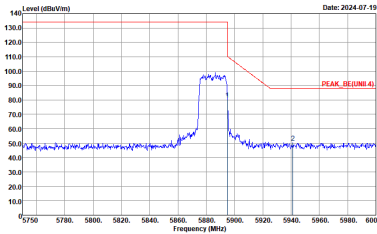
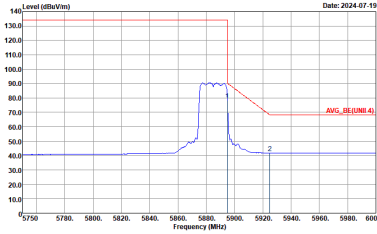


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH177 5885MHz -R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNI#4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNI#4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:5.000kHz SWT:Auto	Left blank



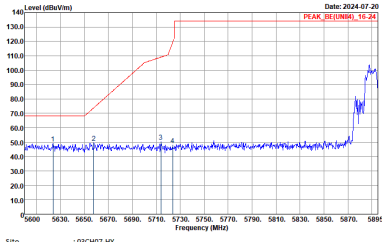
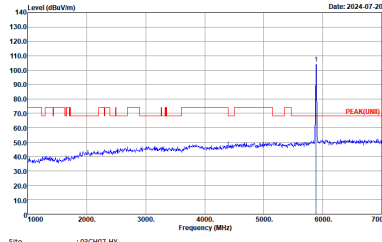
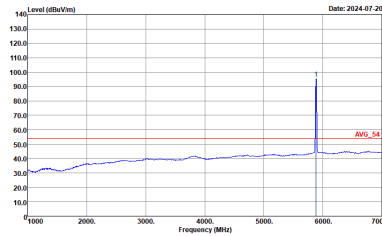
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH177 5885MHz -L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_8E10000_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_8E10000 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
	Avg Left blank	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto



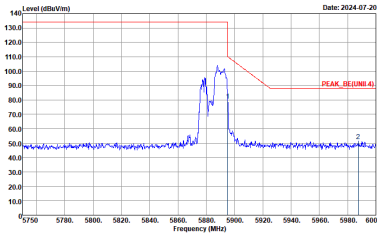
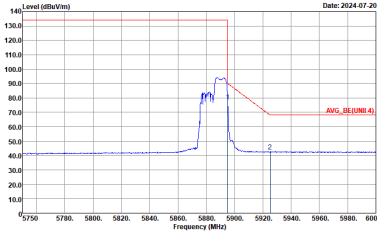
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH177 5885MHz -R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:5.000kHz SWT:Auto	Left blank



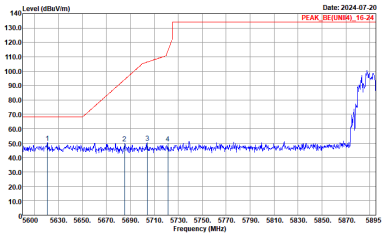
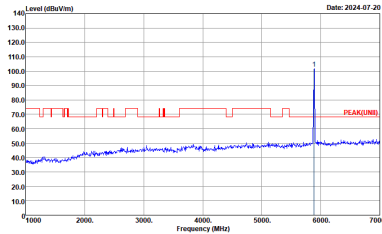
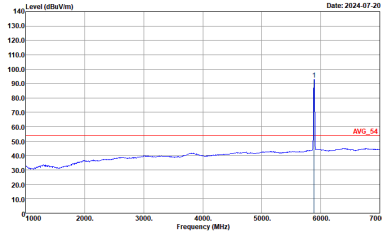
Band 4 5725~5850MHz
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz -L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIQ)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:3000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK(UNIQ) 3m HF_ANT_00075962 HORIZONTAL : RBW:3000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL : RBW:3000.000kHz VBW:1.000kHz SWTAuto

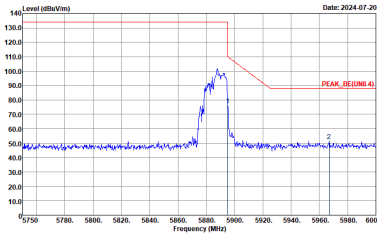
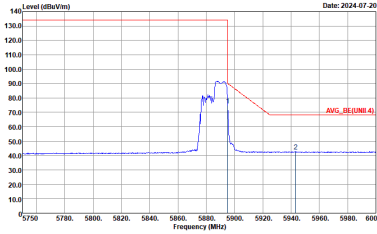


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz -R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNI4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNI4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



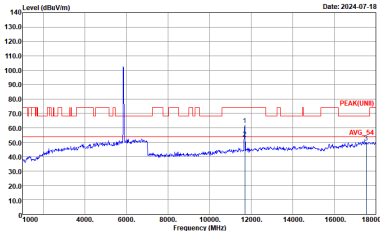
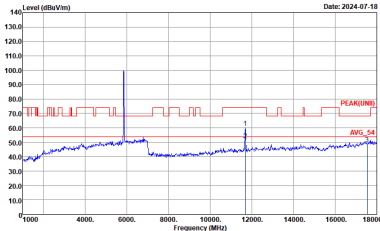
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz -L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(LIN90)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK(LIN90) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_S4 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWTAuto



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz -R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



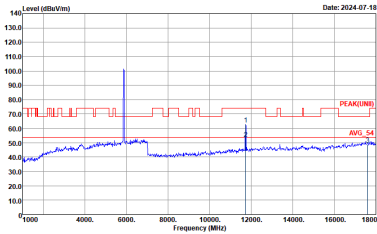
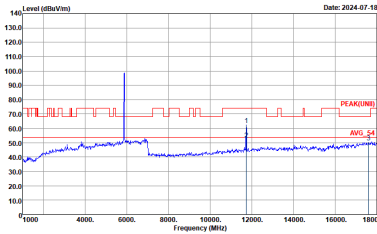
Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH169 5845MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNI) 3m HF_ANT_00075962 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH169 5845MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBm/100) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a flat line at approximately 40 dBm/100 across the frequency range 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 60 dBm/100. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBm/100) vs Frequency (MHz) plot for Vertical polarization. The plot shows a flat line at approximately 40 dBm/100 across the frequency range 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 60 dBm/100. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL
	Level (dBm/100) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a flat line at approximately 40 dBm/100 across the frequency range 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 60 dBm/100. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBm/100) vs Frequency (MHz) plot for Vertical polarization. The plot shows a flat line at approximately 40 dBm/100 across the frequency range 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 60 dBm/100. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL

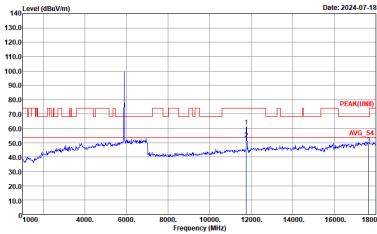
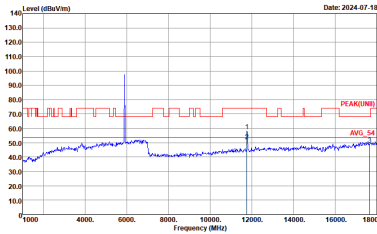


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH173 5865MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL

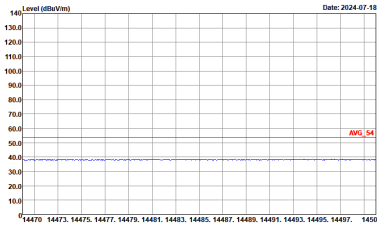
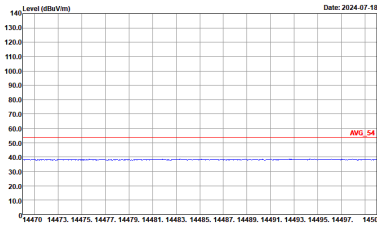
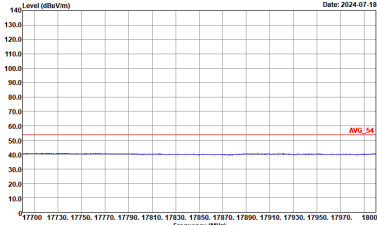
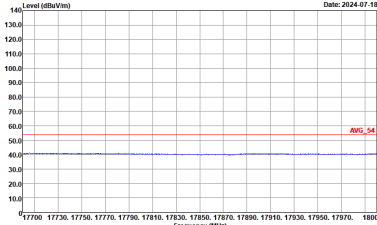


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH173 5865MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 55 dBuV/m. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 55 dBuV/m. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL
	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 55 dBuV/m. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 55 dBuV/m. The plot shows a blue line representing the signal level, which is relatively flat around 40 dBuV/m. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL



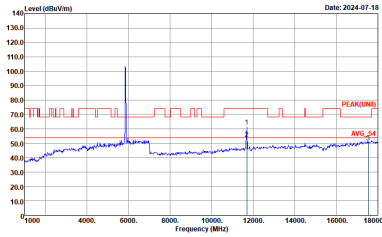
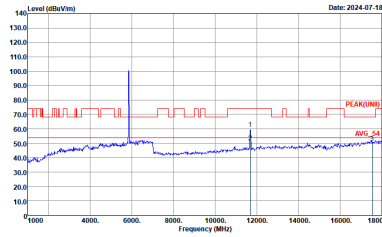
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH177 5885MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH177 5885MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL
	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL



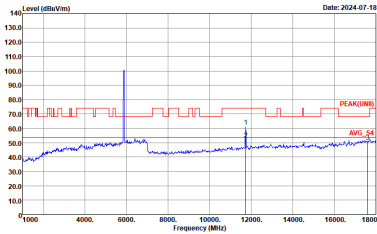
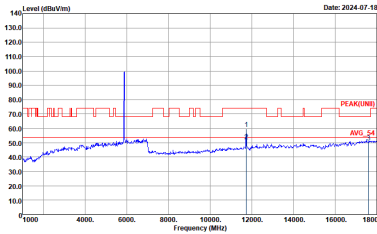
Band 4 5725~5850MHz
WIFI 802.11AX HE20 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11AX HE20 Full CH169 5845MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : (80211AX) 3m HF_ANT_00075962 HORIZONTAL Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL	 Site : (80211AX) 3m HF_ANT_00075962 VERTICAL Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11AX HE20 Full CH169 5845MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	14.47G ~14.5G Avg.	14.47G ~14.5G Avg.
	17.7G ~18G Avg	17.7G ~18G Avg

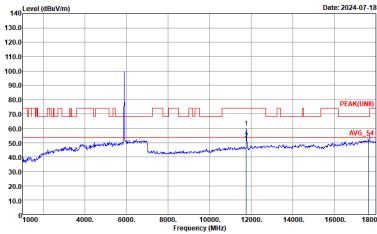
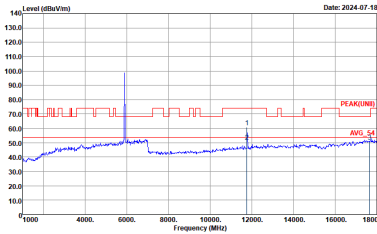


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11AX HE20 Full CH173 5865MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11AX HE20 Full CH173 5865MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 14470 to 14500 MHz. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 14470 to 14500 MHz. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL
	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 17700 to 18000 MHz. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 17700 to 18000 MHz. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11AX HE20 Full CH177 5885MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11AX HE20 Full CH177 5885MHz	
1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBm/100) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBm/100 across the frequency range 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 55 dBm/100. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBm/100) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBm/100 across the frequency range 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 55 dBm/100. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL
	Level (dBm/100) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBm/100 across the frequency range 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 55 dBm/100. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBm/100) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBm/100 across the frequency range 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 55 dBm/100. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL



Emission above 18GHz
5GHz WIFI 802.11AX HE20 Full (SHF @ 1m)

WIFI	5GHz WIFI	
ANT	802.11AX HE20 Full SHF	
1	Horizontal	Vertical
Peak Avg.	Level (dBm/100MHz) Date: 2024-07-22 Site : 03CH07-HY Condition : PEAK (UNII) 1m SHF-EHF_9170991 HORIZONTAL	Level (dBm/100MHz) Date: 2024-07-22 Site : 03CH07-HY Condition : PEAK (UNII) 1m SHF-EHF_9170991 VERTICAL

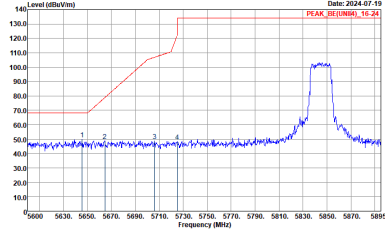
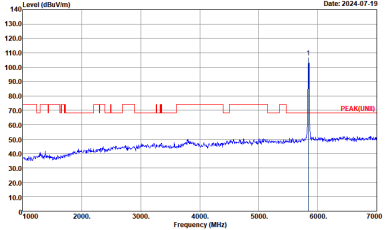
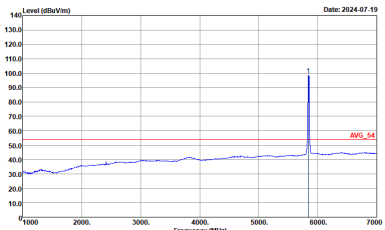


Emission below 1GHz
5GHz WIFI 802.11AX HE20 Full (LF @ 3m)

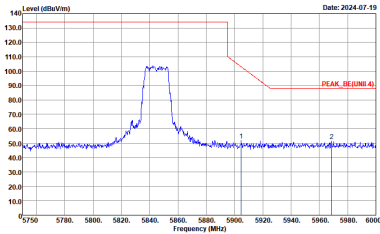
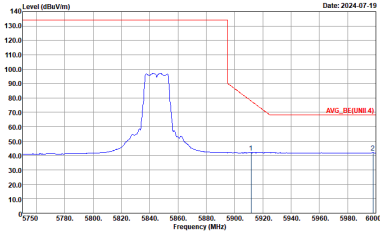
WIFI	5GHz WIFI	
ANT	802.11AX HE20 Full LF	
1	Horizontal	Vertical
QP / Peak	Level (dBμV/m) Date: 2024-07-22 Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6)_H HORIZONTAL	Level (dBμV/m) Date: 2024-07-22 Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6)_H VERTICAL



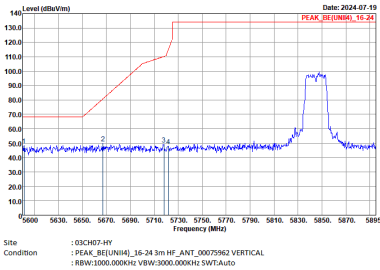
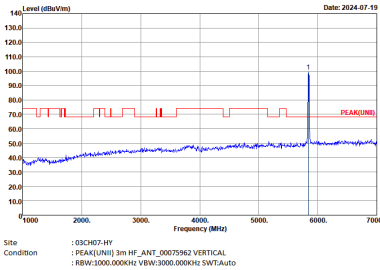
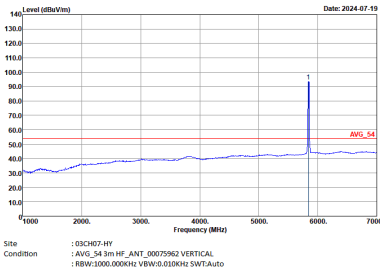
Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz -L	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_802.11a_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_802.11a_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_802.11a_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

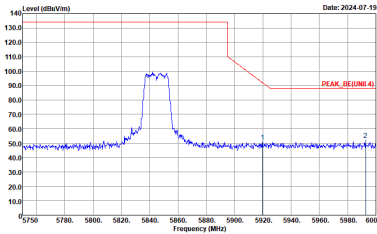
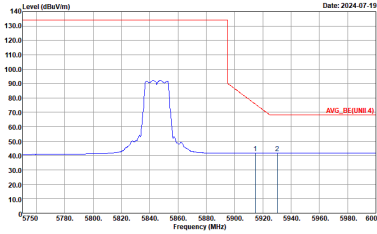


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz -R	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNI4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNI4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:5.000kHz SWT:Auto	Left blank

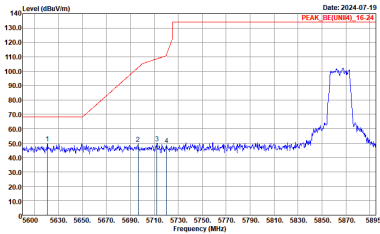
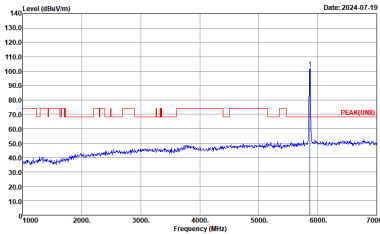
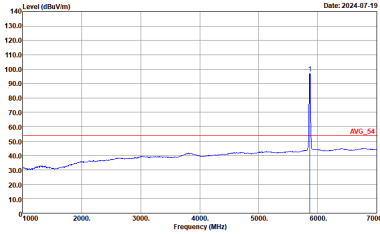


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz -L	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_0810000_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_0810000_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto

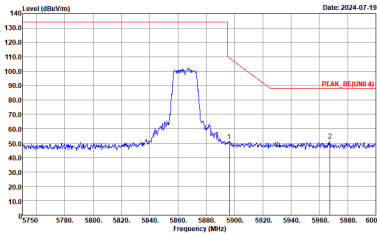
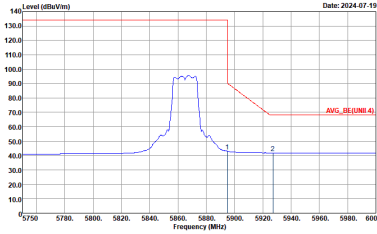


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH169 5845MHz -R	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNI4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNI4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:5.000kHz SWT:Auto	Left blank

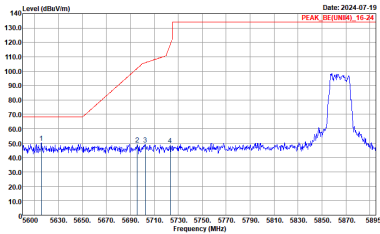
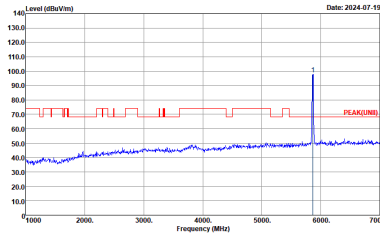
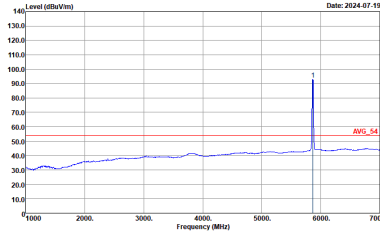


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz -L	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_8E10000_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK1000 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto

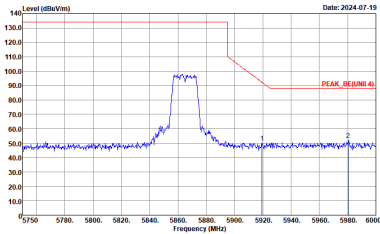
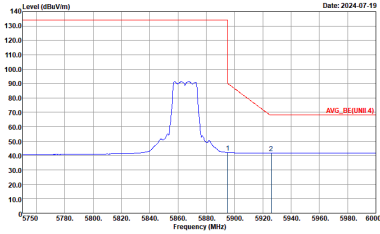


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz -R	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE(LINE4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : : AVG_BE(LINE4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:5.000kHz SWT:Auto	Left blank

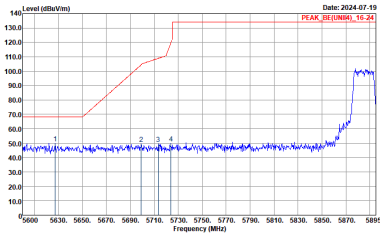
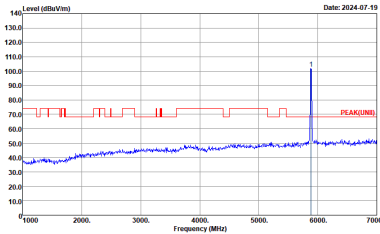
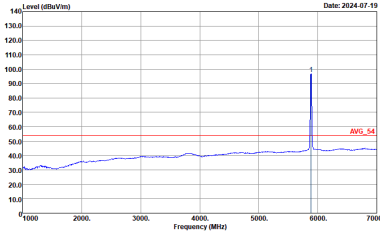


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz -L	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(LINR0)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK(LINR0)_3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_S4 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:0.030kHz SWTAuto

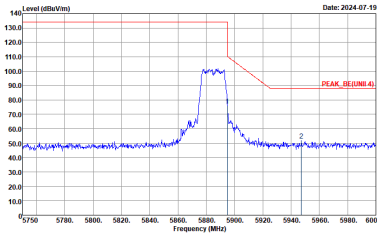
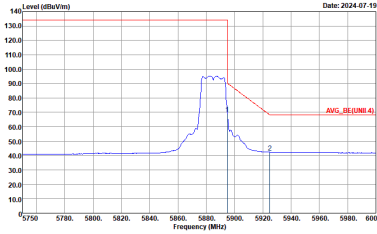


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH173 5865MHz -R	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE(UNL4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : : AVG_BE(UNL4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:5.000kHz SWT:Auto	Left blank

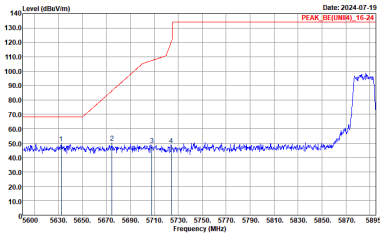
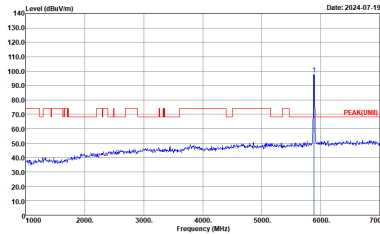
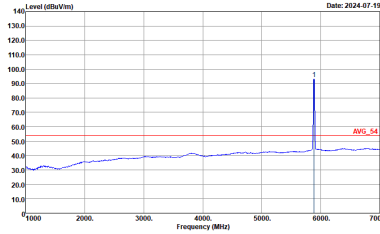


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz -L	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_8E10000_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_0UN0 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto

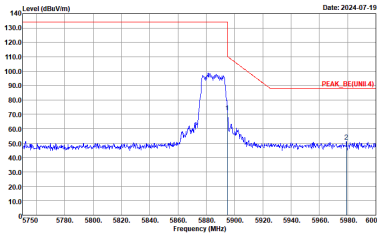
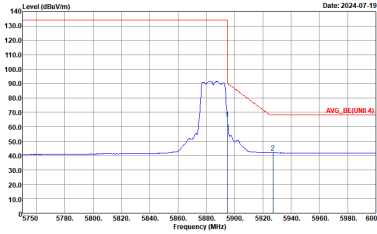


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz -L	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(LIN14) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(LIN14) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



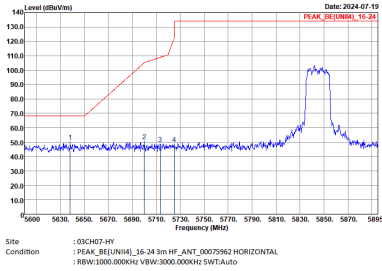
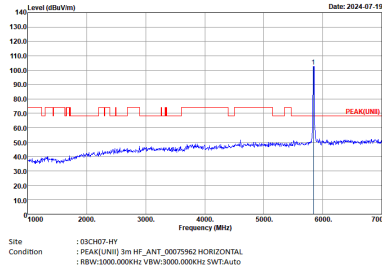
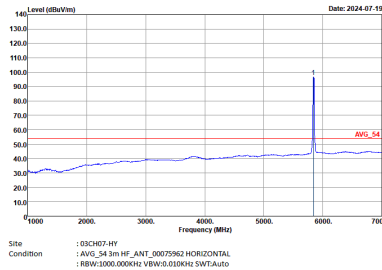
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz -L	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_88(1000)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_88(1000)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto



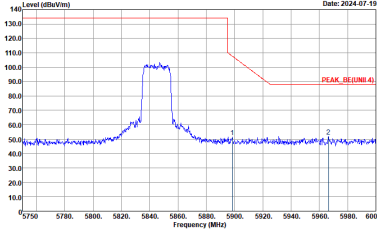
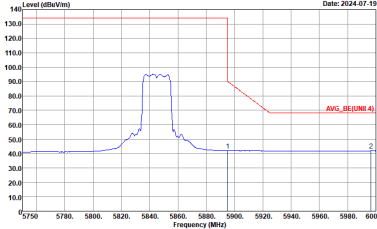
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH177 5885MHz -R	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



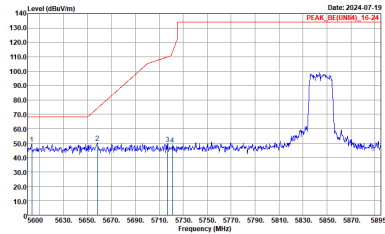
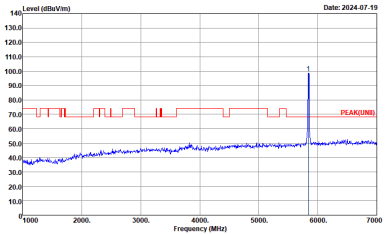
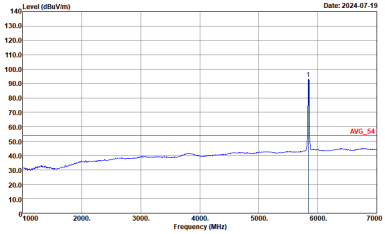
Band 4 5725~5850MHz
WIFI 802.11AX HE20 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH169 5845MHz -L	
2	Horizontal	Fundamental
Peak		
Avg	Left blank	

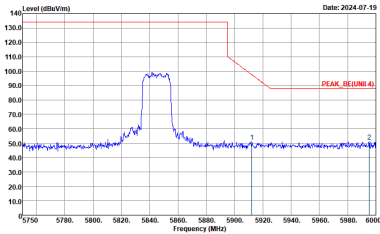
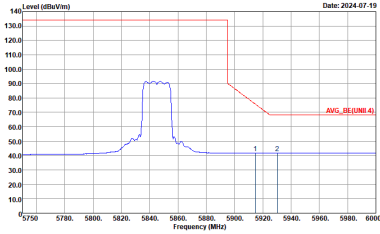


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH169 5845MHz -R	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNIT4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

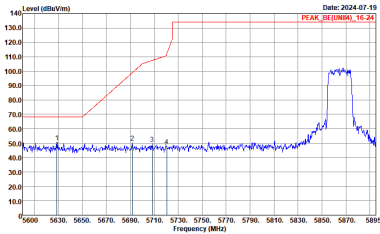
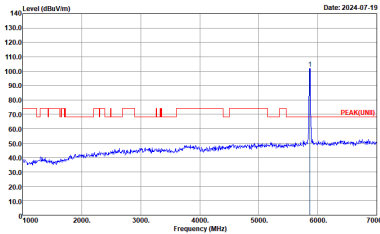
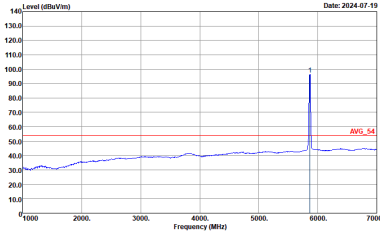


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH169 5845MHz -L	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_169(1000)_16-24 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK(1000) 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto

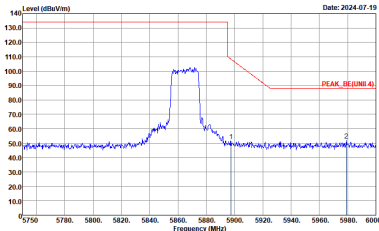
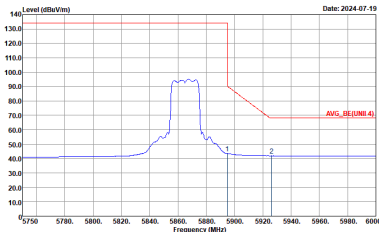


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH169 5845MHz -R	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:5.000kHz SWT:Auto	Left blank

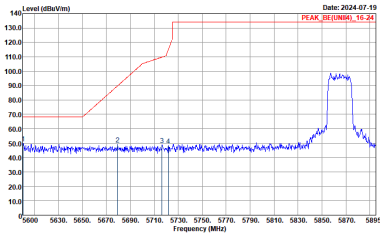
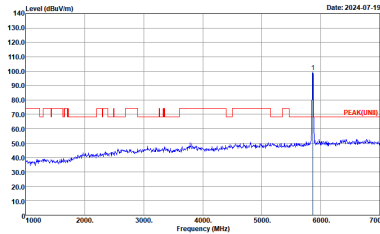
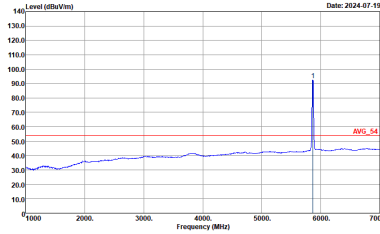


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH173 5865MHz -L	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_0810000_16-24 3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_0810000_16-24 3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto

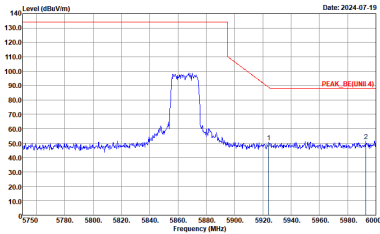
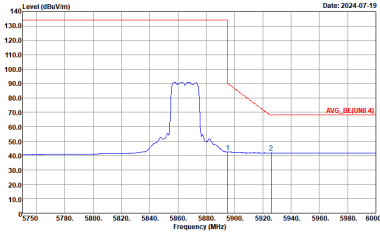


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH173 5865MHz -R	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE(LIN14) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : : AVG_BE(LIN14) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

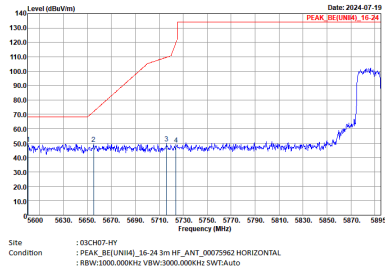
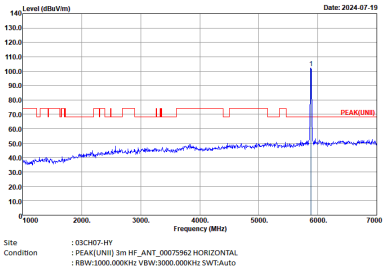
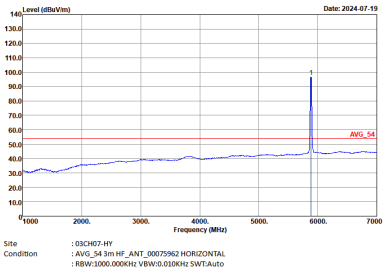


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH173 5865MHz -L	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_16(1000)_16-24 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK(1000) 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto

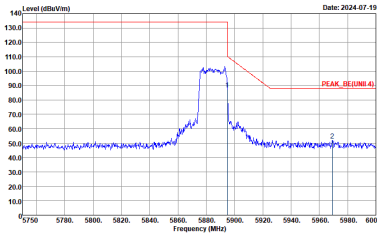
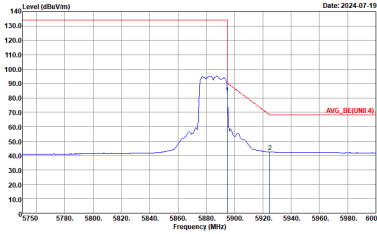


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH173 5865MHz -R	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

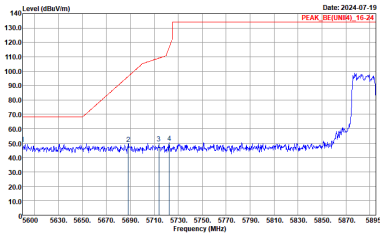
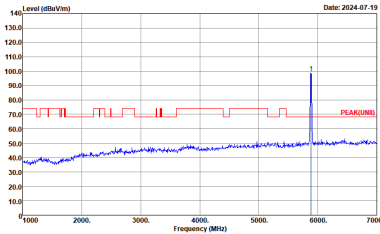
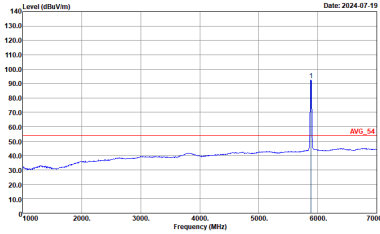


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH177 5885MHz -L	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_0810000_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_0810000_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto

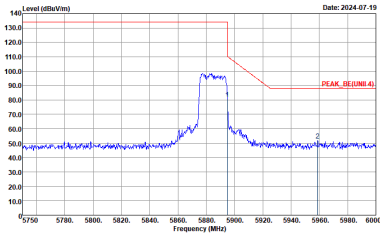
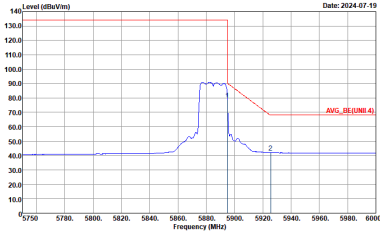


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH177 5885MHz -R	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNI4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNI4) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



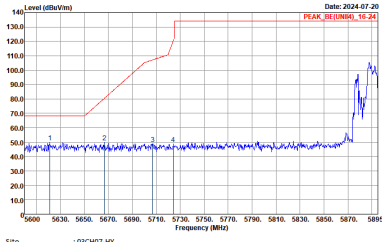
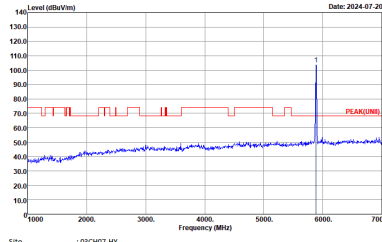
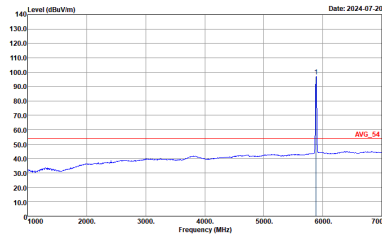
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH177 5885MHz -L	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_5885MHz_16-24 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_5885MHz 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_5885MHz 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto



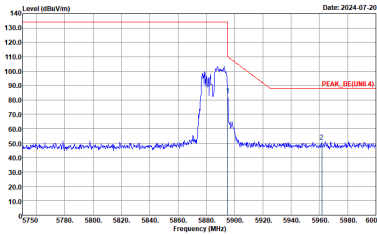
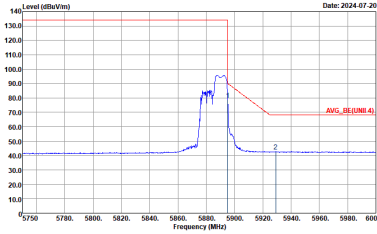
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11AX HE20 Full CH177 5885MHz -R	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : : AVG_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



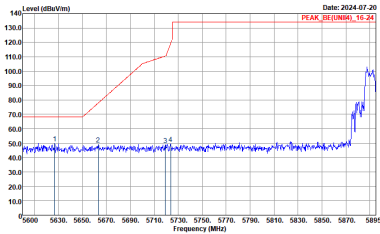
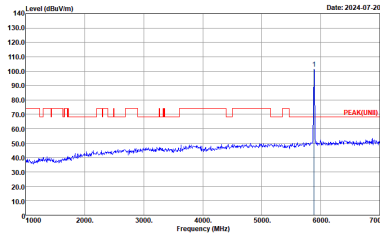
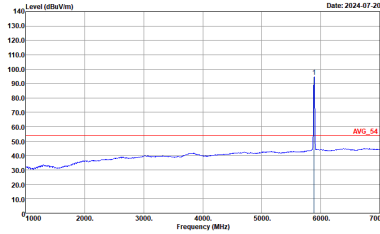
Band 4 5725~5850MHz
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz -L	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIQ)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:3000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK(UNIQ) 3m HF_ANT_00075962 HORIZONTAL : RBW:3000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL : RBW:3000.000kHz VBW:1.000kHz SWTAuto

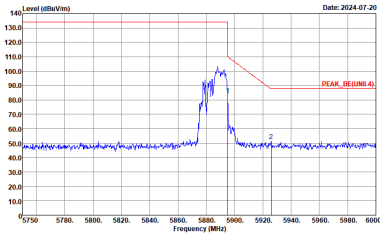
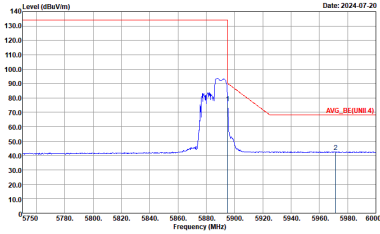


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz -R	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE(LIN14) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : : AVG_BE(LIN14) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



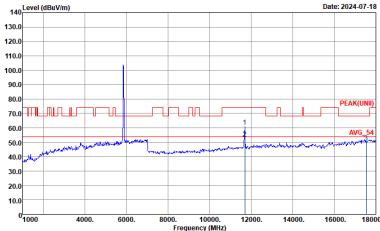
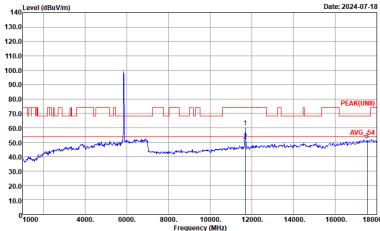
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz -L	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_8E10R09_16-24 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_L0NB 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg	Left blank	 Site : 03CH07-HY Condition : AVG_S4 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:1.000kHz SWTAuto



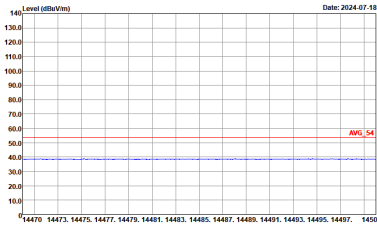
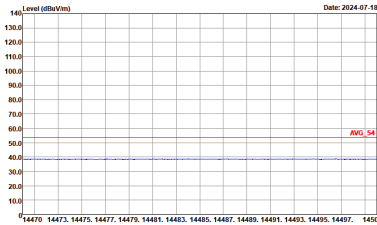
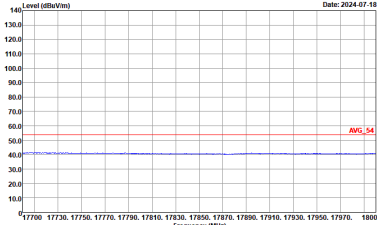
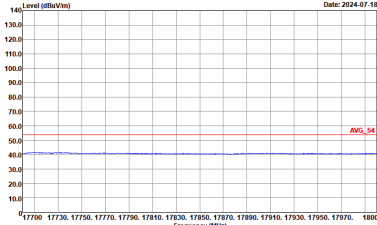
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH177 5885MHz -R	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg	 Site : 03CH07-HY Condition : AVG_BE(UNIT4) 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



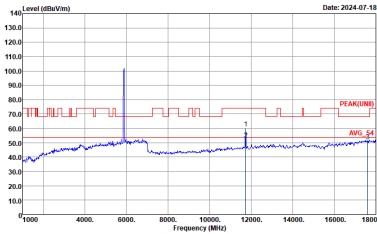
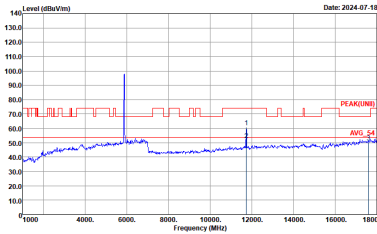
Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH169 5845MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNI) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNI) 3m HF_ANT_00075962 VERTICAL

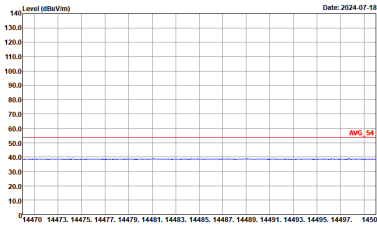
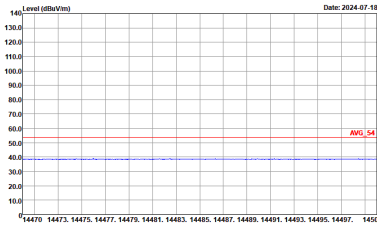
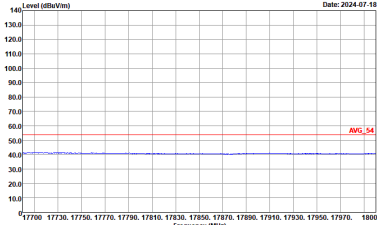
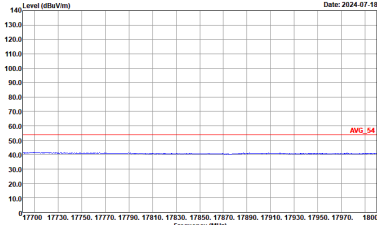


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH169 5845MHz	
2	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL
	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL

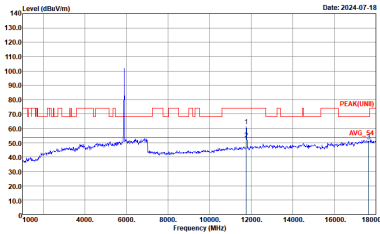
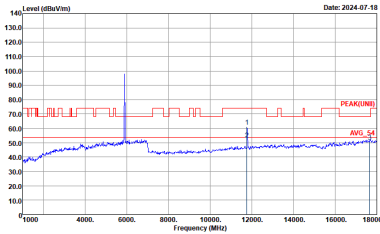


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH173 5865MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH173 5865MHz	
2	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL
17.7G ~18G Avg	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL

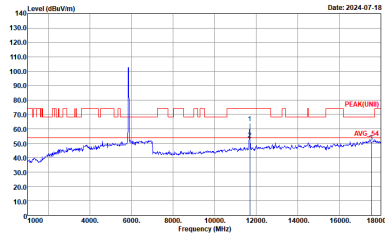
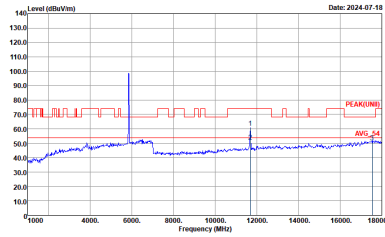


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH177 5885MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH177 5885MHz	
2	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 55 dBuV/m. A blue line is at approximately 40 dBuV/m. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 55 dBuV/m. A blue line is at approximately 40 dBuV/m. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL
	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 55 dBuV/m. A blue line is at approximately 40 dBuV/m. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 55 dBuV/m. A blue line is at approximately 40 dBuV/m. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL

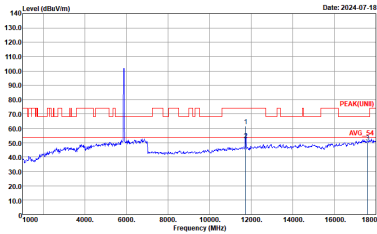
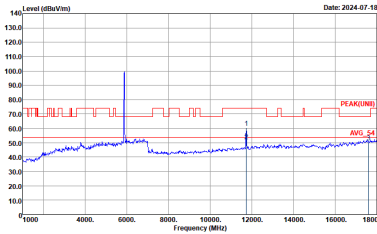
Band 4 5725~5850MHz
WIFI 802.11AX HE20 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11AX HE20 Full CH169 5845MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-RY Condition : PEAK(UNI) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH02-RY Condition : PEAK(UNI) 3m HF_ANT_00075962 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11AX HE20 Full CH169 5845MHz	
2	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBm/100MHz) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBm/100MHz across the frequency range 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 55 dBm/100MHz. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBm/100MHz) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBm/100MHz across the frequency range 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 55 dBm/100MHz. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL
	Level (dBm/100MHz) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBm/100MHz across the frequency range 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 55 dBm/100MHz. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBm/100MHz) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBm/100MHz across the frequency range 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 55 dBm/100MHz. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL

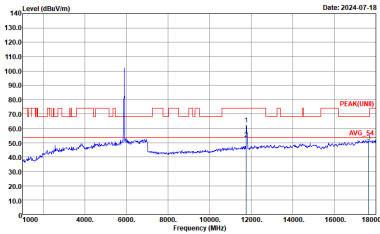
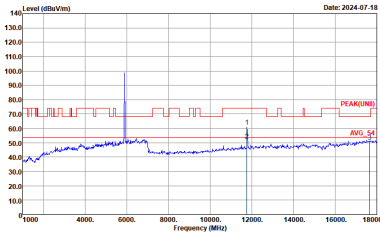


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11AX HE20 Full CH173 5865MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11AX HE20 Full CH173 5865MHz	
2	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBm/100) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBm/100 across the frequency range 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 55 dBm/100. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBm/100) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBm/100 across the frequency range 14470 to 14500 MHz. A red line labeled 'AVG_54' is at approximately 55 dBm/100. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL
	Level (dBm/100) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBm/100 across the frequency range 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 55 dBm/100. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBm/100) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBm/100 across the frequency range 17700 to 18000 MHz. A red line labeled 'AVG_54' is at approximately 55 dBm/100. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11AX HE20 Full CH177 5885MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11AX HE20 Full CH177 5885MHz	
2	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 14470 to 14500 MHz. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for 14.47G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 14470 to 14500 MHz. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL
	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 17700 to 18000 MHz. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 HORIZONTAL	Level (dBuV/m) vs Frequency (MHz) for 17.7G. The plot shows a flat line at approximately 40 dBuV/m across the frequency range 17700 to 18000 MHz. The date is 2024-07-18. Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL



Emission above 18GHz
5GHz WIFI 802.11AX HE20 Full (SHF @ 1m)

WIFI	5GHz WIFI	
ANT	802.11AX HE20 Full SHF	
2	Horizontal	Vertical
Peak Avg.	Level (dBm/100MHz) Date: 2024-07-22 Site : 03CH07-HY Condition : PEAK(UNI) 1m SHF-EHF_9170991 HORIZONTAL	Level (dBm/100MHz) Date: 2024-07-22 Site : 03CH07-HY Condition : PEAK(UNI) 1m SHF-EHF_9170991 VERTICAL



Emission below 1GHz
5GHz WIFI 802.11AX HE20 Full (LF @ 3m)

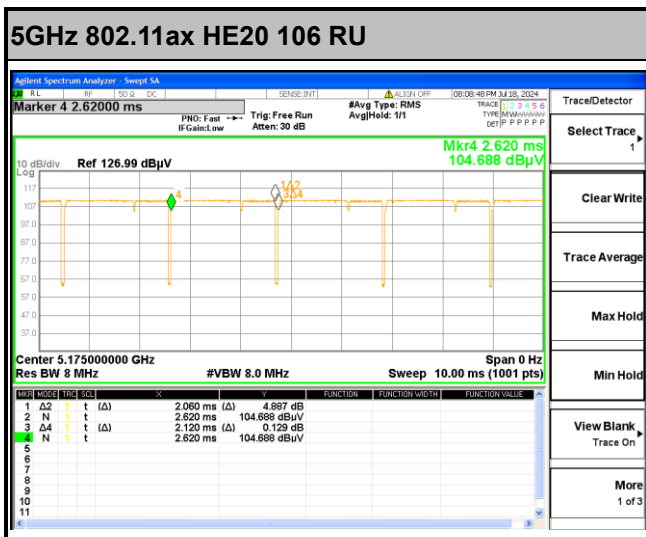
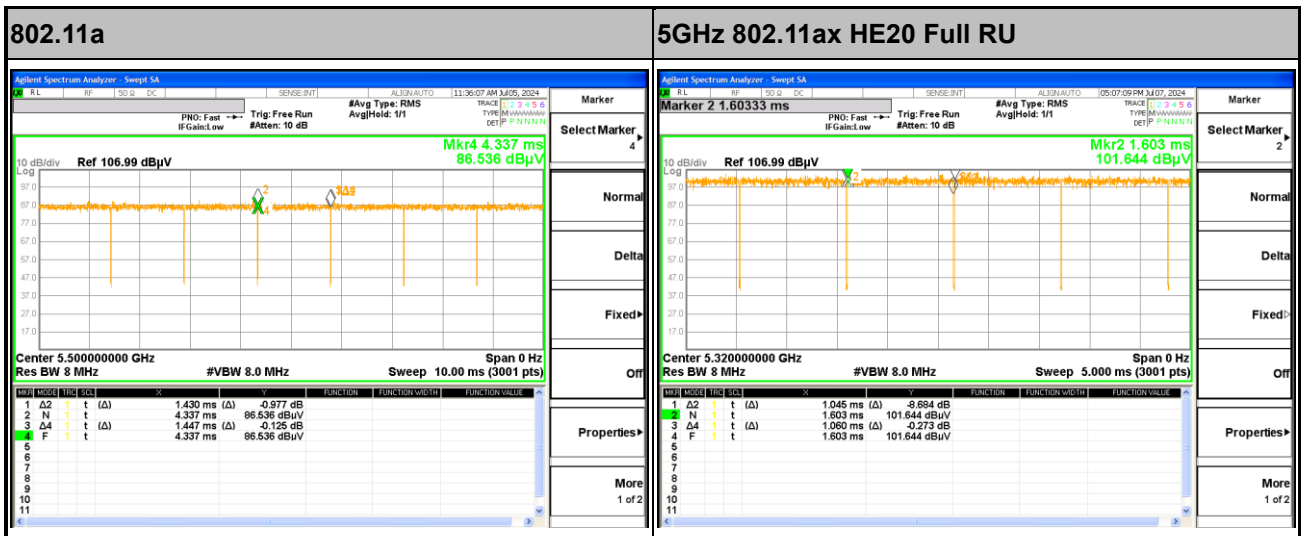
WIFI	5GHz WIFI	
ANT	802.11AX HE20 Full LF	
2	Horizontal	Vertical
QP / Peak	Level (dBuV/m) Date: 2024-07-22 Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6)_H HORIZONTAL	Level (dBuV/m) Date: 2024-07-22 Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6)_H VERTICAL



Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1	802.11a	98.83	-	-	10Hz
1	5GHz 802.11ax HE20 Full RU	98.58	-	-	10Hz
1	5GHz 802.11ax HE20 106 RU	97.17	2060	0.49	1kHz

<Ant. 1>





Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
2	802.11a	98.96	-	-	10Hz
2	5GHz 802.11ax HE20 Full RU	98.40	-	-	10Hz
2	5GHz 802.11ax HE20 106 RU	97.17	2060	0.49	1kHz

<Ant. 2>

