FCC RADIO TEST REPORT

FCC ID	:	**A4RGGE4J**
Equipment	:	**Wireless Device**
Model Name	:	**GGE4J**
Applicant	:	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, California, 94043 USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Feb. 16, 2024 and testing was performed from Feb. 29, 2024 to Mar. 15, 2024. We, Sporton International Inc. Wensan 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. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FR420107F	01	Initial issue of report	Apr. 19, 2024
FR420107F	02	Revise 2.2, and Appendix D. This report is an updated version, replacing the report issued on Apr. 19, 2024	Apr. 30, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	7.55 dB under the limit at 42.42 MHz
3.5	15.207	AC Conducted Emission	Pass	19.68 dB under the limit at 0.15 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/manufacturer 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: Yun Huang

Report Producer: Wilda Wei

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs Bluetooth, BLE, BLE (CH2-76), Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, NFC, GPS and UWB. **Antenna Type** WLAN: PIFA Antenna

EUT Information List	
S/N	**Performed Test Item**
41301JEAYW004K	RF Conducted Measurement
41291JEAYW00UC	Radiated Spurious Emission
41291JEAYW00T3	Conducted Emission

Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	-3.8

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, CO07-HY, 03CH15-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- 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.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find Z plane with Adapter as worst plane.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

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

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.

2.2 Test Mode

This device support 26/52/106/242/484/996-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, 484-tone RU is covered by 40MHz channel and 996-tone RU is covered by 80MHz channel.

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

Single Mode

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20	**MCS0**
802.11n HT40	**MCS0**
802.11ac VHT20	**MCS0**
802.11ac VHT40	**MCS0**
802.11ac VHT80	**MCS0**
802.11ax HE20	**MCS0**
802.11ax HE40	**MCS0**
802.11ax HE80	**MCS0**

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + USB Cable (Charging from AC Adapter)

Ch. #		Band IV：5725-5850 MHz	
		802.11a	802.11n HT20
L	Low	149	149
M	Middle	157	157
H	High	165	165

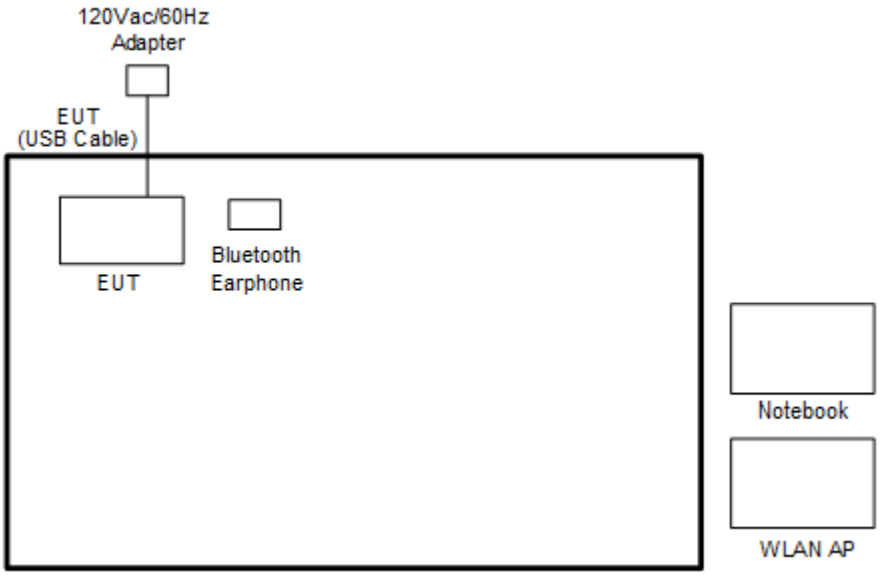
Ch. #		Band IV：5725-5850 MHz		
		802.11ac VHT20	802.11ac VHT40	802.11ac VHT80
L	Low	149	151	-
M	Middle	157	-	155
H	High	165	159	-

Ch. #		Band IV：5725-5850 MHz		
		802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	149	151	-
M	Middle	157	-	155
H	High	165	159	-

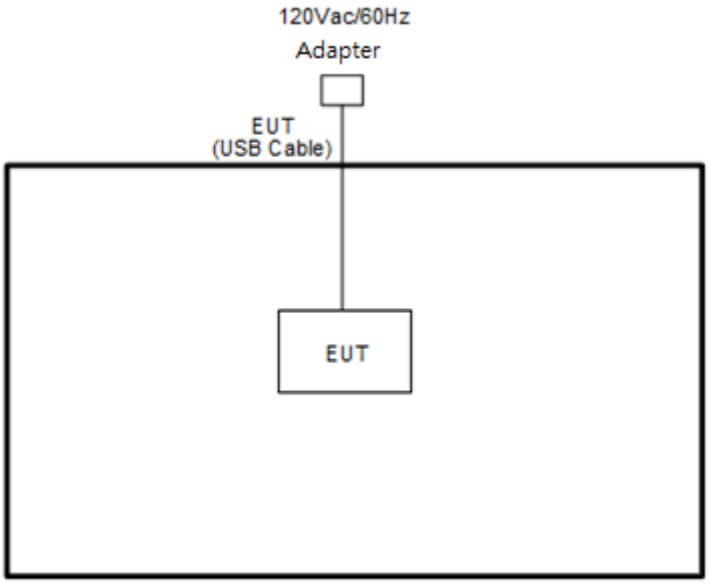
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony	SBH20	PY7-RD0010	N/A	N/A
2.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	AC Adapter	Chicony	G9BR1	N/A	N/A	N/A
5.	AC Adapter	Aohai	G9BR1	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “adb command 1.0.36” 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.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

3 Test Result

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

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

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

26dB and 99% Occupied bandwidth are reporting only.

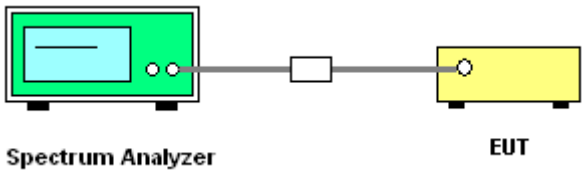
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth for the band 5.725-5.85 GHz
2. Set RBW = 100 kHz.
3. Set the VBW ≥ 3 x RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

3.1.4 Test Setup



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

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

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

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

3.2.2 Measuring Instruments

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

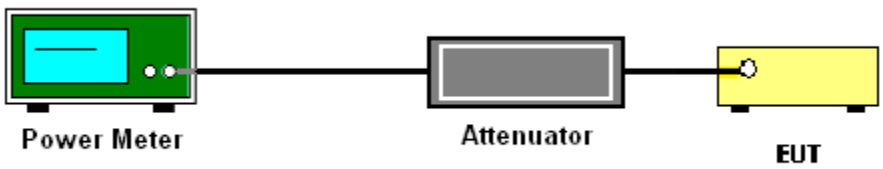
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

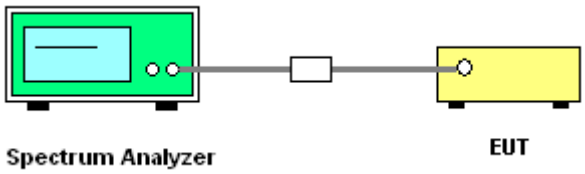
 # Method SA-2 #

(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 = 300kHz.
- Set VBW ≥ 1 MHz.
- Add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- Number of points in sweep ≥ 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) For transmitters operating in the 5.725-5.85 GHz band:

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

(2) Unwanted spurious emissions falls in restricted bands shall comply with the general field strength limits as below table,

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

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

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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

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

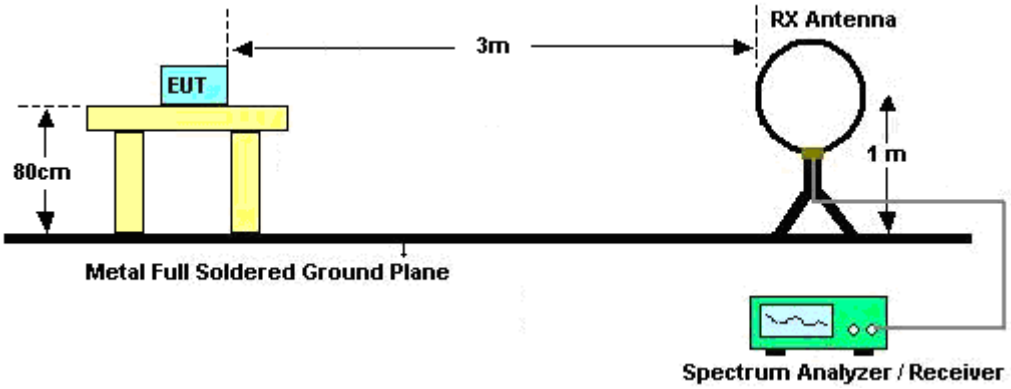
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin

against QP limit line, the position is marked as "-".

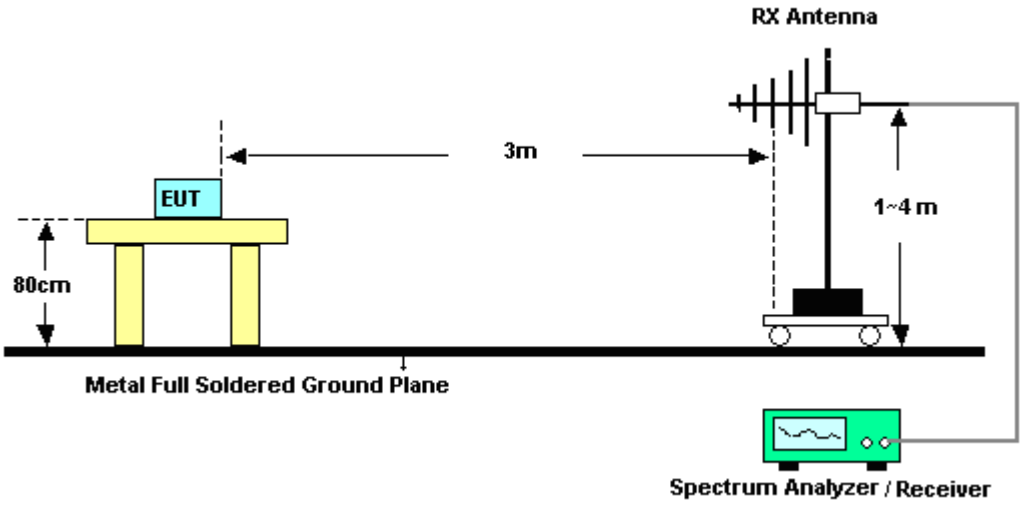
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies.
   When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

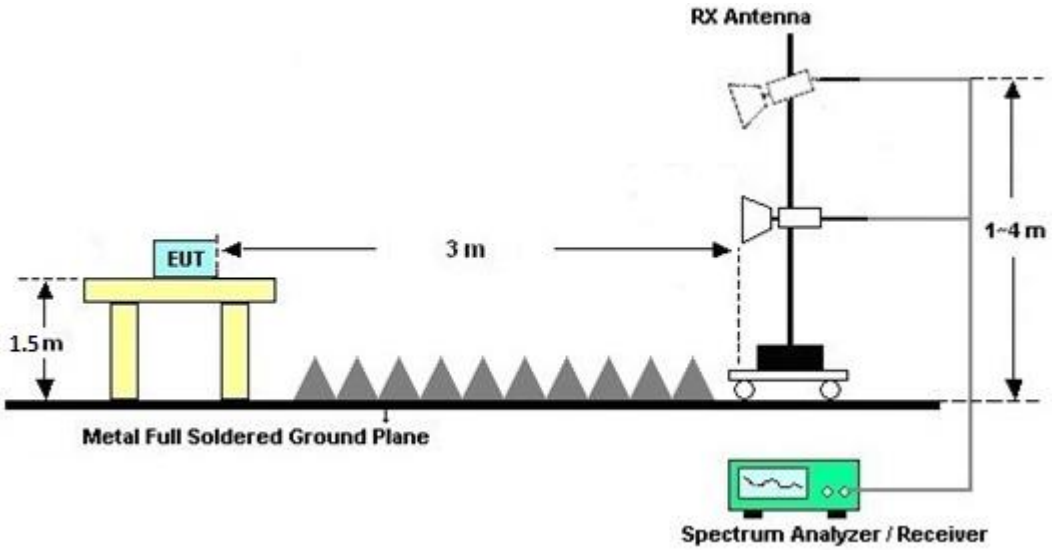
For radiated emissions below 30MHz



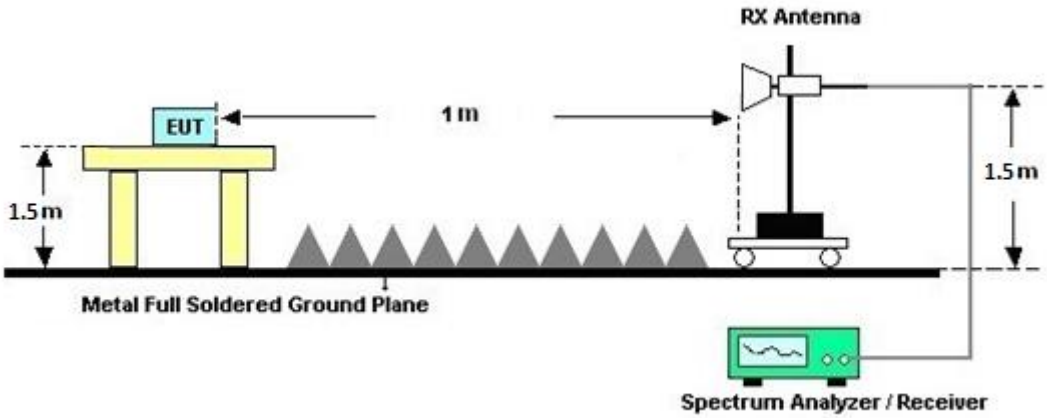
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

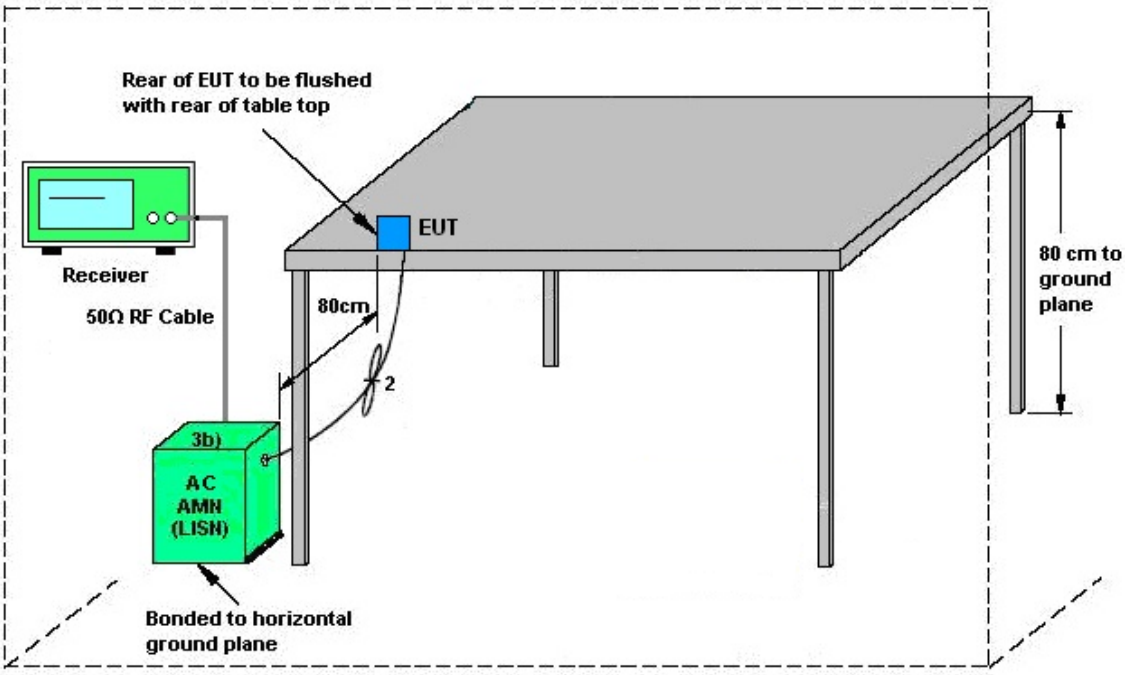
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Feb. 29, 2024~ Mar. 11, 2024	Sep. 11, 2024	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 04, 2024	Feb. 29, 2024~ Mar. 11, 2024	Feb. 03, 2025	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 30, 2023	Feb. 29, 2024~ Mar. 11, 2024	Jun. 29, 2024	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1225	18GHz~40GHz	Jul. 10, 2023	Feb. 29, 2024~ Mar. 11, 2024	Jul. 09, 2024	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 26, 2023	Feb. 29, 2024~ Mar. 11, 2024	Dec. 25, 2024	Radiation (03CH15-HY)
Preamplifier	EMEC	EM01G18G	060837	1GHz~18GHz	Feb. 15, 2024	Feb. 29, 2024~ Mar. 11, 2024	Feb. 14, 2025	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Feb. 29, 2024	Feb. 29, 2024~ Mar. 11, 2024	Feb. 28, 2025	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 27, 2023	Feb. 29, 2024~ Mar. 11, 2024	Jun. 26, 2024	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY53290045	20MHz~8.4GHz	Oct. 06, 2023	Feb. 29, 2024~ Mar. 11, 2024	Oct. 05, 2024	Radiation (03CH15-HY
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44GHz	Jul. 06, 2023	Feb. 29, 2024~ Mar. 11, 2024	Jul. 05, 2024	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Feb. 29, 2024~ Mar. 11, 2024	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Feb. 29, 2024~ Mar. 11, 2024	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Feb. 29, 2024~ Mar. 11, 2024	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, 519228/2,803 950/2	N/A	Jun. 13, 2023	Feb. 29, 2024~ Mar. 11, 2024	Jun. 12, 2024	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	18-40G	Jan. 02, 2024	Feb. 29, 2024~ Mar. 11, 2024	Jan. 01, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-15 30-6000-40ST	SN4	1.53GHz Low Pass Filter	Jun. 14, 2023	Feb. 29, 2024~ Mar. 11, 2024	Jun. 13, 2024	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0ST	SN4	3GHz High Pass Filter	Jun. 14, 2023	Feb. 29, 2024~ Mar. 11, 2024	Jun. 13, 2024	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-302	SN4	N/A	Jul. 26, 2023	Feb. 29, 2024~ Mar. 11, 2024	Jul. 25, 2024	Radiation (03CH15-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Mar. 15, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 15, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Mar. 15, 2024	Oct. 19, 2024	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Mar. 15, 2024	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Mar. 15, 2024	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Mar. 15, 2024	Sep. 19, 2024	Conduction (CO07-HY)

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	Mar. 05, 2024~ Mar. 11, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO 36 (NO:35)	10MHz~6GHz	Aug. 23, 2023	Mar. 05, 2024~ Mar. 11, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Mar. 05, 2024~ Mar. 11, 2024	Sep. 11, 2024	Conducted (TH05-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.44 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.30 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.50 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.50 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.40 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Eason Huang	Temperature:	21~25	°C
Test Date:	2024/03/05~2024/03/11	Relative Humidity:	51~54	%

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

U-NII-3 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	149	5745	18.28	-	31.18	-	16.35	-	0.5	Pass
11a	6Mbps	1	157	5785	17.83	-	31.60	-	16.35	-	0.5	Pass
11a	6Mbps	1	165	5825	17.93	-	29.85	-	16.34	-	0.5	Pass
VHT20	MCS0	1	149	5745	19.03	-	32.47	-	17.59	-	0.5	Pass
VHT20	MCS0	1	157	5785	18.98	-	34.33	-	17.58	-	0.5	Pass
VHT20	MCS0	1	165	5825	18.88	-	42.52	-	17.59	-	0.5	Pass
VHT40	MCS0	1	151	5755	37.16	-	65.76	-	36.34	-	0.5	Pass
VHT40	MCS0	1	159	5795	37.26	-	61.16	-	36.35	-	0.5	Pass
VHT80	MCS0	1	155	5775	75.88	-	83.45	-	75.82	-	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	17.40	-		30.00	-	-3.80	-	Pass
11a	6Mbps	1	157	5785	17.40	-		30.00	-	-3.80	-	Pass
11a	6Mbps	1	165	5825	17.40	-		30.00	-	-3.80	-	Pass
HT20	MCS0	1	149	5745	17.30	-		30.00	-	-3.80	-	Pass
HT20	MCS0	1	157	5785	17.30	-		30.00	-	-3.80	-	Pass
HT20	MCS0	1	165	5825	17.30	-		30.00	-	-3.80	-	Pass
HT40	MCS0	1	151	5755	16.30	-		30.00	-	-3.80	-	Pass
HT40	MCS0	1	159	5795	16.30	-		30.00	-	-3.80	-	Pass
VHT20	MCS0	1	149	5745	17.30	-		30.00	-	-3.80	-	Pass
VHT20	MCS0	1	157	5785	17.40	-		30.00	-	-3.80	-	Pass
VHT20	MCS0	1	165	5825	17.30	-		30.00	-	-3.80	-	Pass
VHT40	MCS0	1	151	5755	16.30	-		30.00	-	-3.80	-	Pass
VHT40	MCS0	1	159	5795	16.30	-		30.00	-	-3.80	-	Pass
VHT80	MCS0	1	155	5775	15.40	-		30.00	-	-3.80	-	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	0.44		2.22	-	2.57	-		30.00	-	-3.80	-	Pass
11a	6Mbps	1	157	5785	0.44		2.22	-	2.94	-		30.00	-	-3.80	-	Pass
11a	6Mbps	1	165	5825	0.44		2.22	-	2.54	-		30.00	-	-3.80	-	Pass
VHT20	MCS0	1	149	5745	0.44		2.22	-	1.87	-		30.00	-	-3.80	-	Pass
VHT20	MCS0	1	157	5785	0.44		2.22	-	2.16	-		30.00	-	-3.80	-	Pass
VHT20	MCS0	1	165	5825	0.44		2.22	-	1.99	-		30.00	-	-3.80	-	Pass
VHT40	MCS0	1	151	5755	0.46		2.22	-	-2.02	-		30.00	-	-3.80	-	Pass
VHT40	MCS0	1	159	5795	0.46		2.22	-	-1.82	-		30.00	-	-3.80	-	Pass
VHT80	MCS0	1	155	5775	0.44		2.22	-	-5.74	-		30.00	-	-3.80	-	Pass

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

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

U-NII-3 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	149	5745	Full	19.48	-	34.10	-	19.01	-	0.5	Pass
HE20	MCS0	1	157	5785	Full	19.43	-	37.72	-	18.97	-	0.5	Pass
HE20	MCS0	1	165	5825	Full	19.43	-	38.43	-	19.02	-	0.5	Pass
HE40	MCS0	1	151	5755	Full	38.06	-	52.91	-	37.49	-	0.5	Pass
HE40	MCS0	1	159	5795	Full	38.06	-	46.20	-	37.50	-	0.5	Pass
HE80	MCS0	1	155	5775	Full	77.20	-	81.66	-	77.29	-	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	1	149	5745	Full	17.30	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	149	5745	26/0	7.70	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	149	5745	52/37	10.60	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	149	5745	106/53	13.60	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	157	5785	Full	17.40	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	157	5785	26/4	7.80	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	157	5785	52/38	10.60	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	157	5785	106/53	13.40	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	165	5825	Full	17.30	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	165	5825	26/8	7.30	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	165	5825	52/40	10.20	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	165	5825	106/54	13.60	-		30.00	-	-3.80	-	Pass
HE40	MCS0	1	151	5755	Full	16.20	-		30.00	-	-3.80	-	Pass
HE40	MCS0	1	159	5795	Full	16.30	-		30.00	-	-3.80	-	Pass
HE80	MCS0	1	155	5775	Full	15.30	-		30.00	-	-3.80	-	Pass

TEST RESULTS DATA
Power Spectral Density

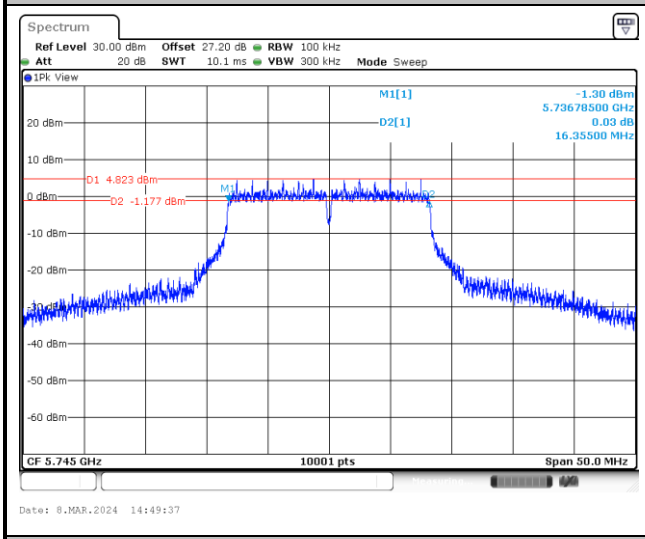
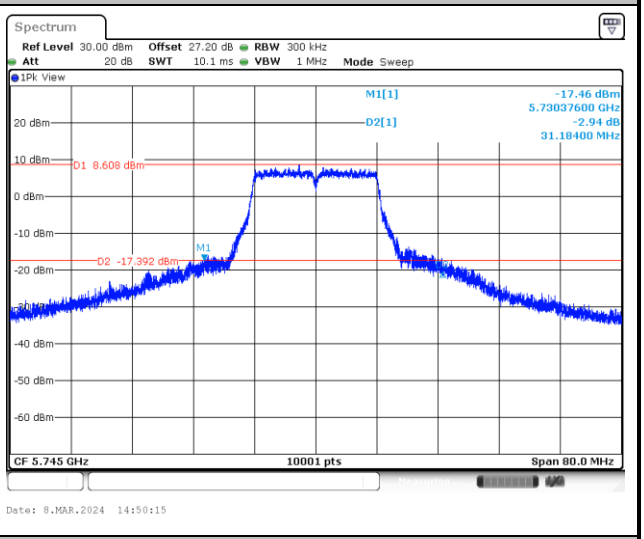
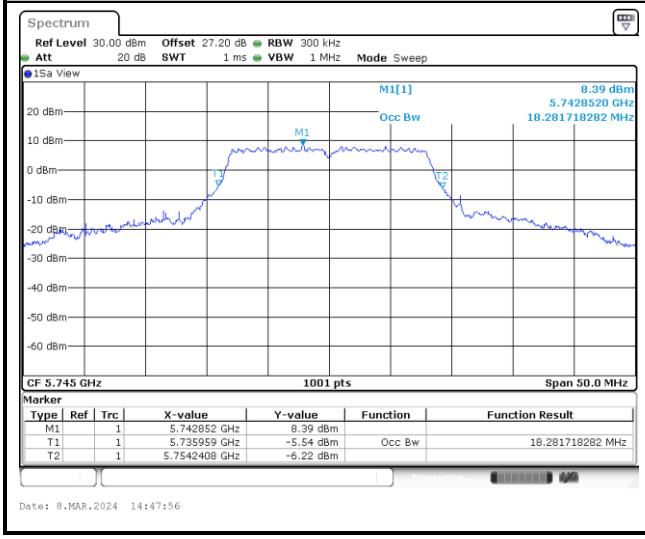
U-NII-3 single antenna																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	1	149	5745	Full	0.15	-	2.22	-	1.43	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	149	5745	26/0	0.25	-	2.22	-	1.34	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	149	5745	52/37	0.30	-	2.22	-	1.33	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	149	5745	106/53	0.32	-	2.22	-	1.24	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	157	5785	Full	0.15	-	2.22	-	1.58	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	157	5785	26/4	0.25	-	2.22	-	1.52	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	157	5785	52/38	0.30	-	2.22	-	1.36	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	157	5785	106/53	0.32	-	2.22	-	1.15	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	165	5825	Full	0.15	-	2.22	-	1.29	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	165	5825	26/8	0.25	-	2.22	-	1.05	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	165	5825	52/40	0.30	-	2.22	-	1.06	-		30.00	-	-3.80	-	Pass
HE20	MCS0	1	165	5825	106/54	0.32	-	2.22	-	1.28	-		30.00	-	-3.80	-	Pass
HE40	MCS0	1	151	5755	Full	0.59	-	2.22	-	-2.35	-		30.00	-	-3.80	-	Pass
HE40	MCS0	1	159	5795	Full	0.59	-	2.22	-	-2.38	-		30.00	-	-3.80	-	Pass
HE80	MCS0	1	155	5775	Full	0.53	-	2.22	-	-5.82	-		30.00	-	-3.80	-	Pass

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

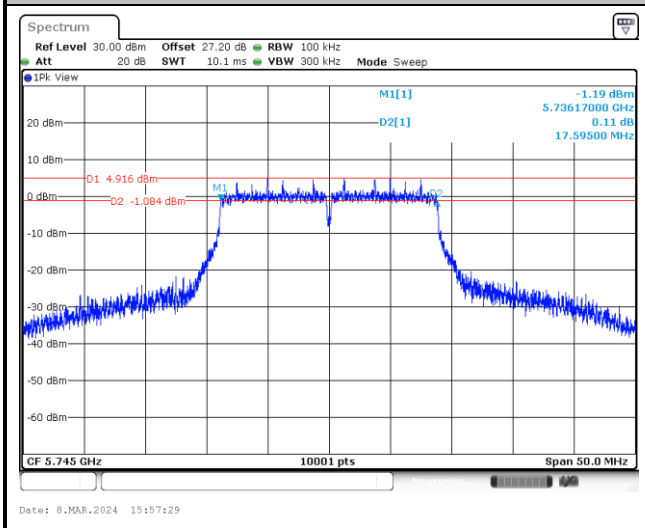
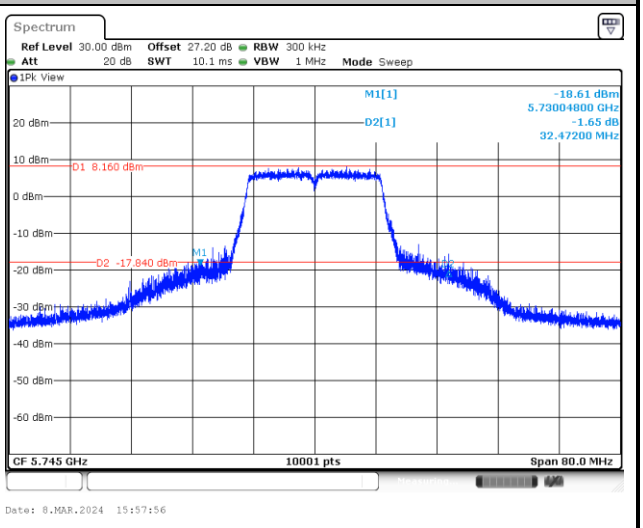
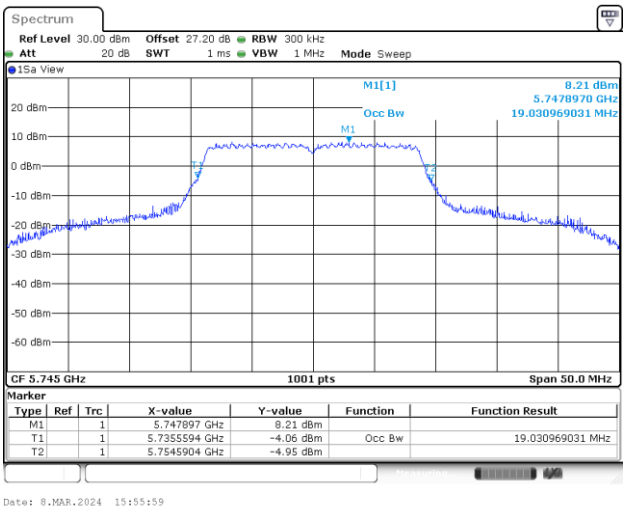
Test Result of 6dB and 26dB and 99% Occupied Bandwidth

<Ant. 1>

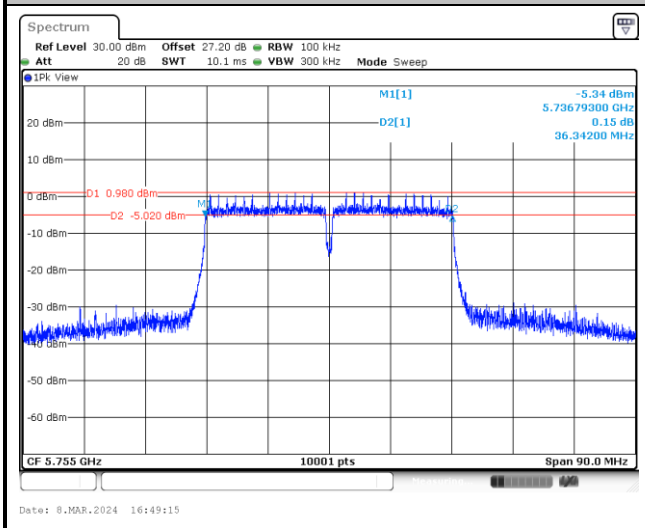
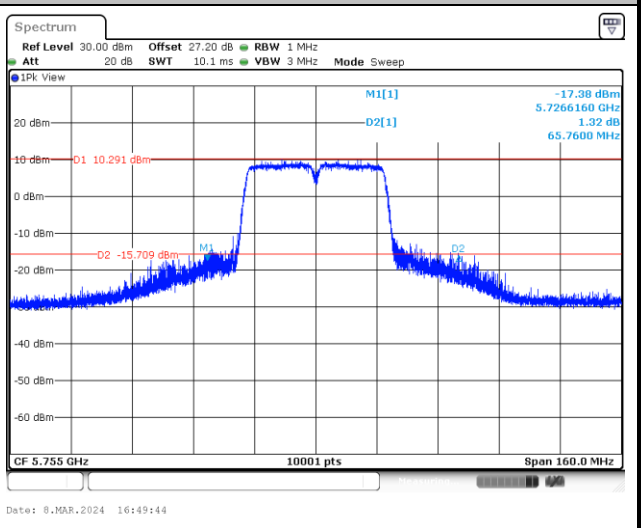
<802.11a>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

<802.11ac VHT20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

<802.11ac VHT40>

6dB Bandwidth	26dB Bandwidth
	
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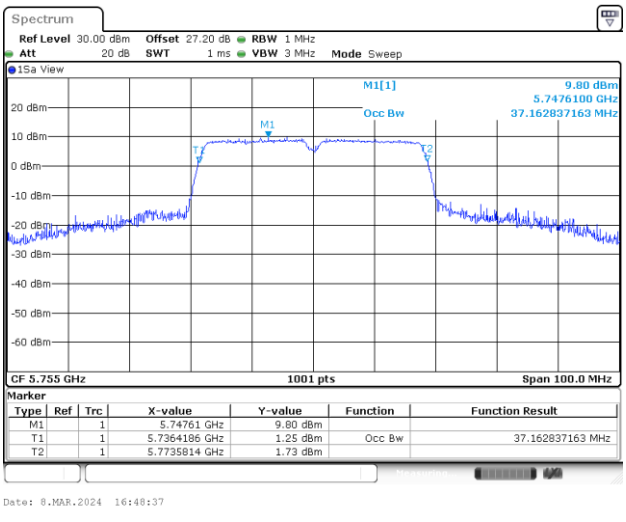
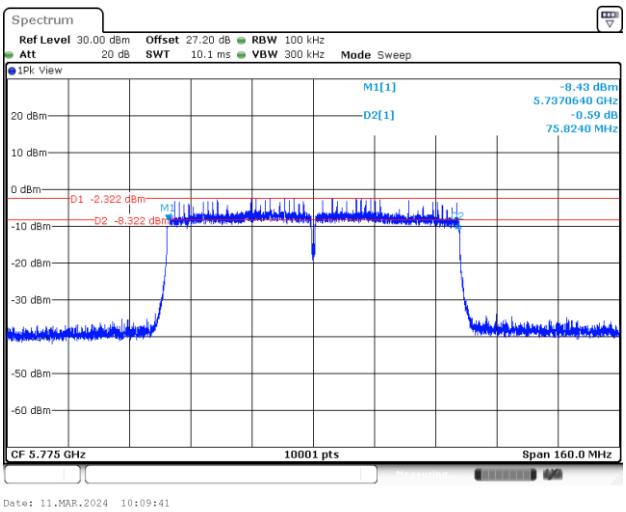
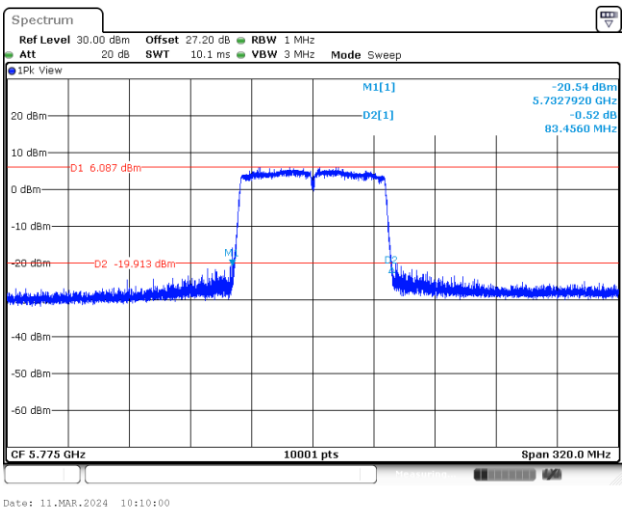
	

<802.11ac VHT80>

6dB Bandwidth	26dB Bandwidth
	
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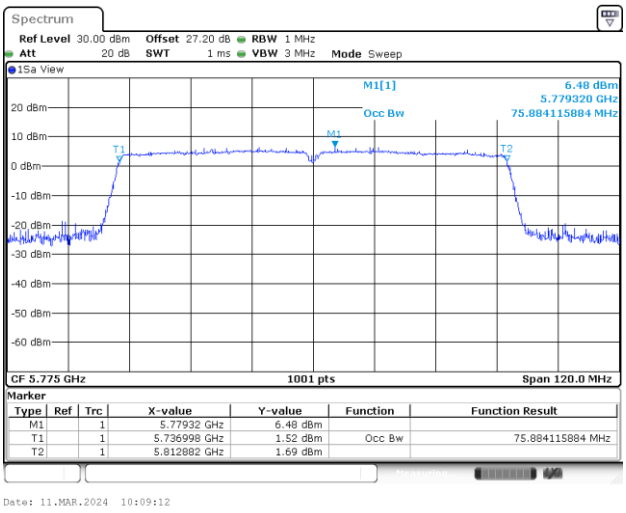
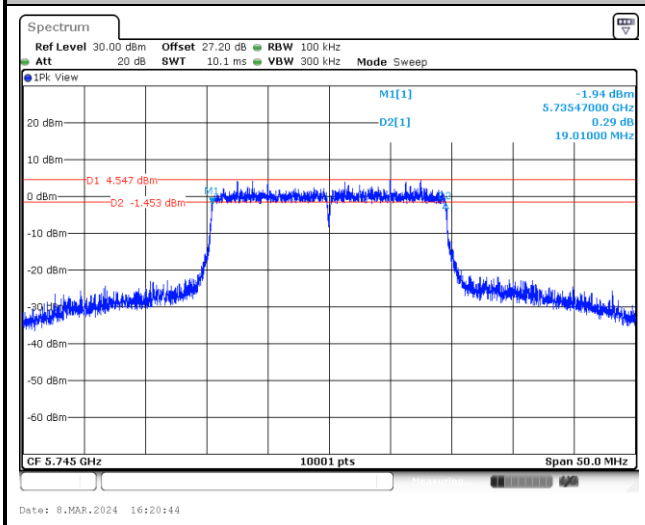
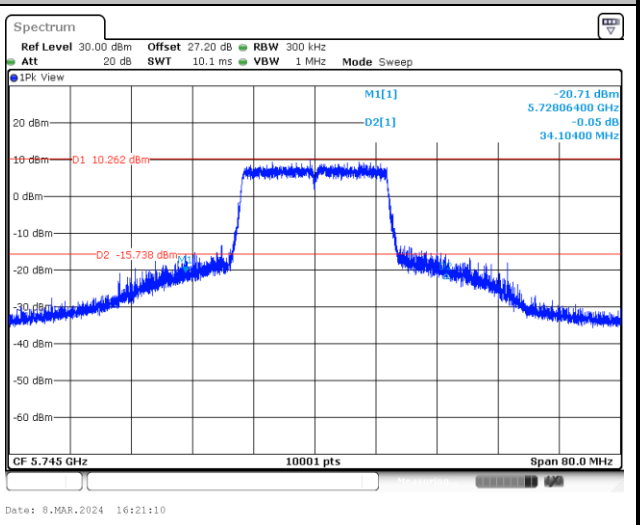
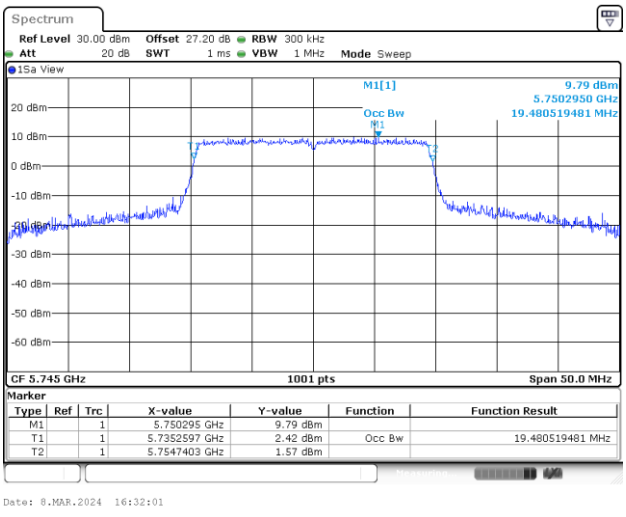
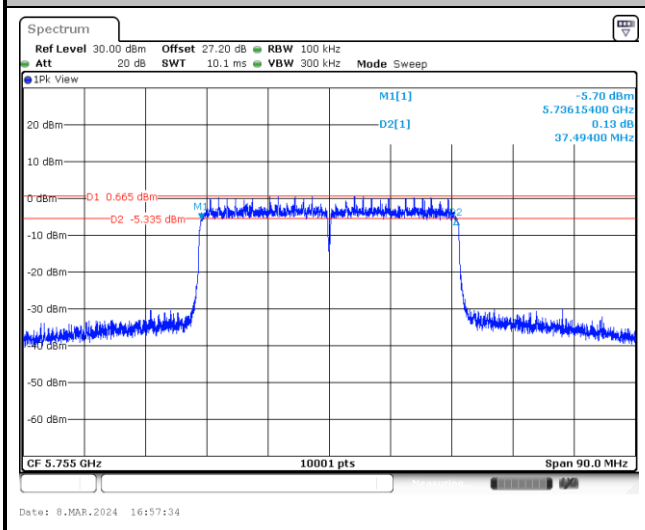
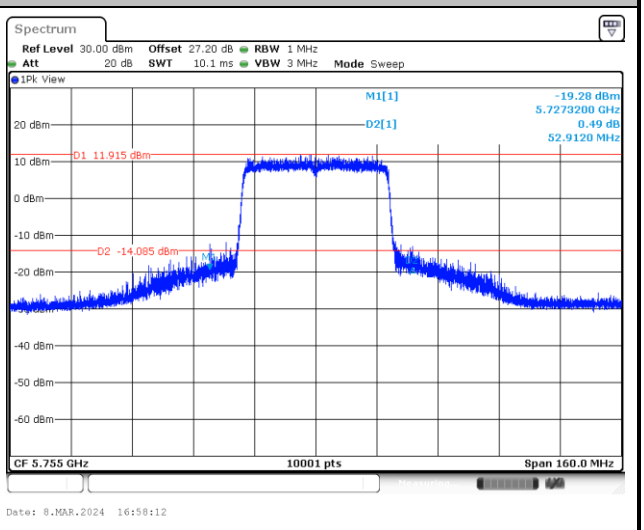
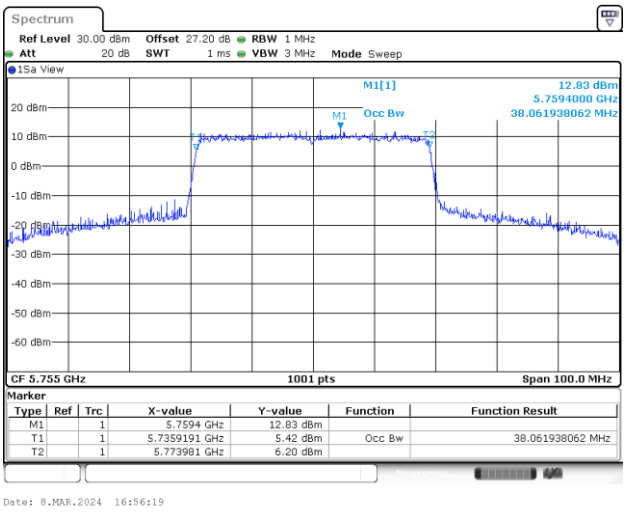
	

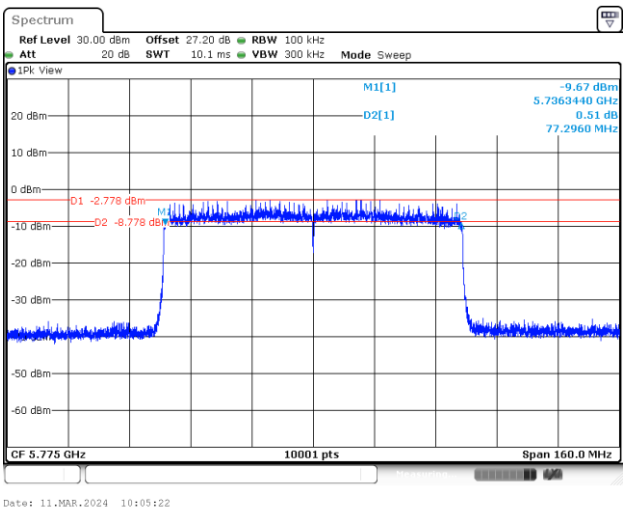
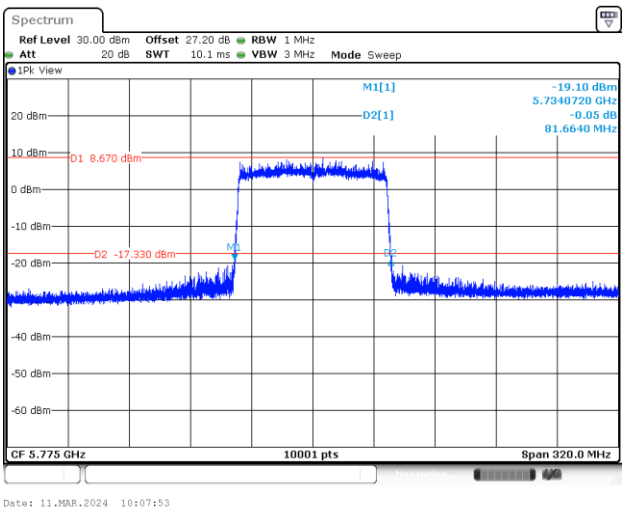
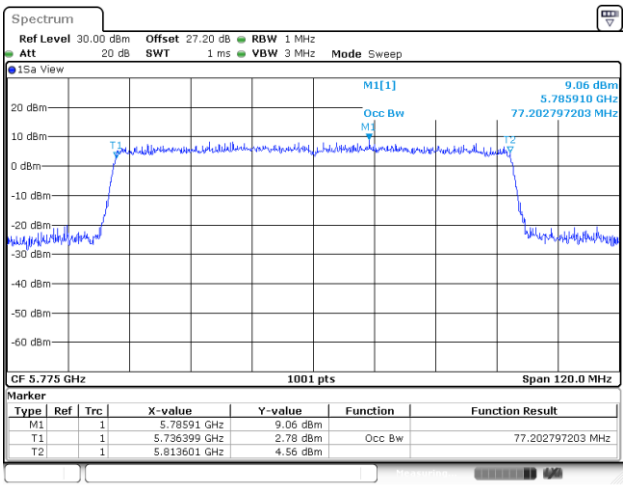
<802.11ax HE20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

<802.11ax HE40>

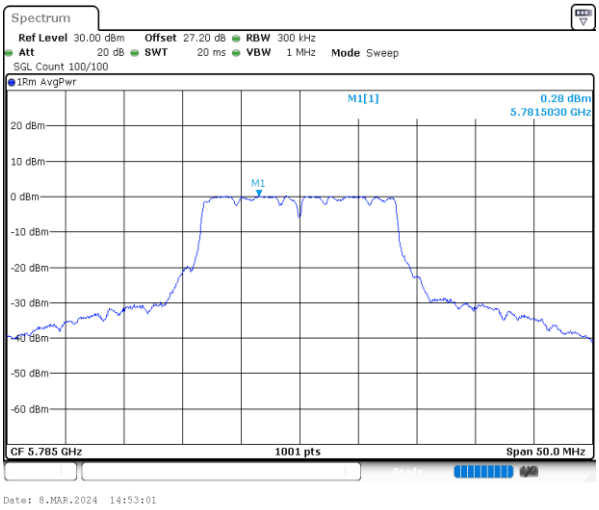
6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

<802.11ax HE80>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

Test Result of Power Spectral Density

<802.11a>

Maximum Power Density Plot (dBm/MHz)
Ant1


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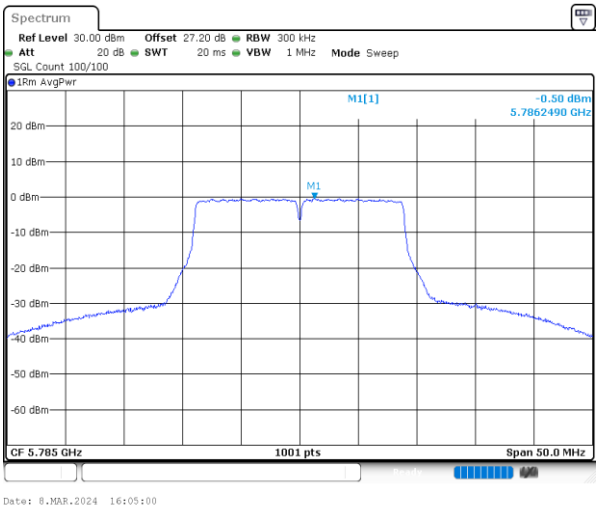
<802.11ac VHT20>

Maximum Power Density Plot (dBm/MHz)
Ant1


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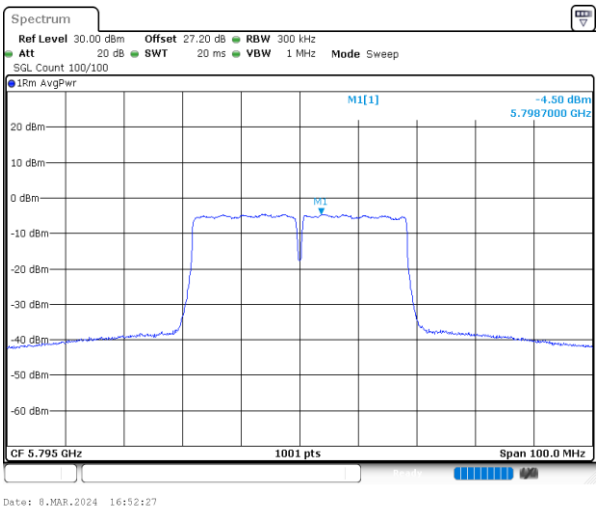
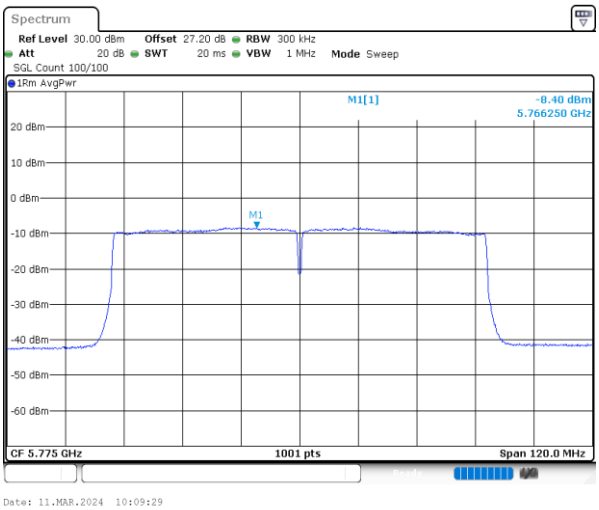
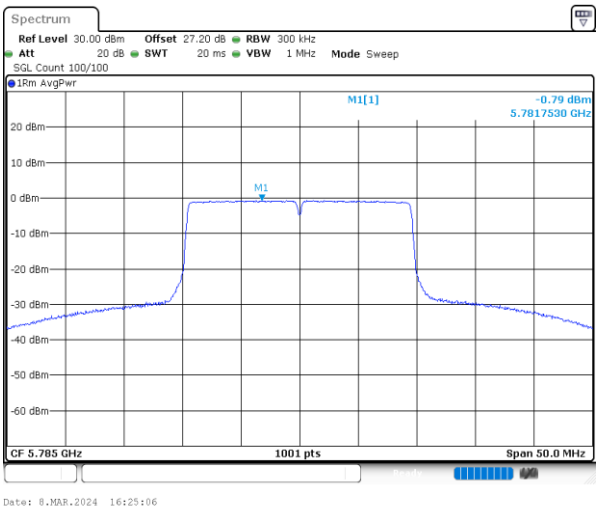
<802.11ac VHT40>

Maximum Power Density Plot (dBm/MHz)
Ant1


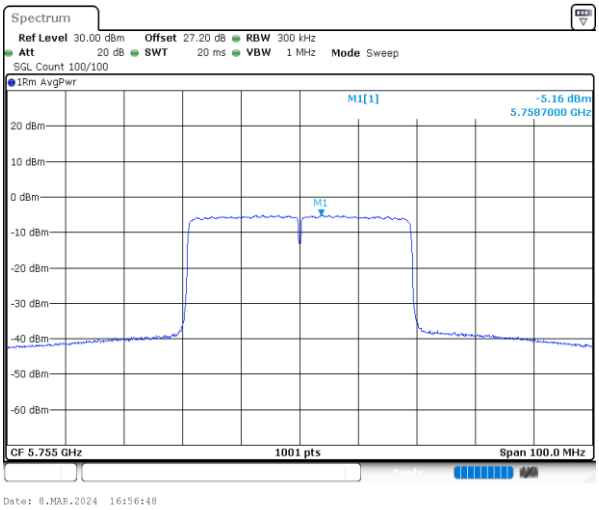
<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)
Ant1


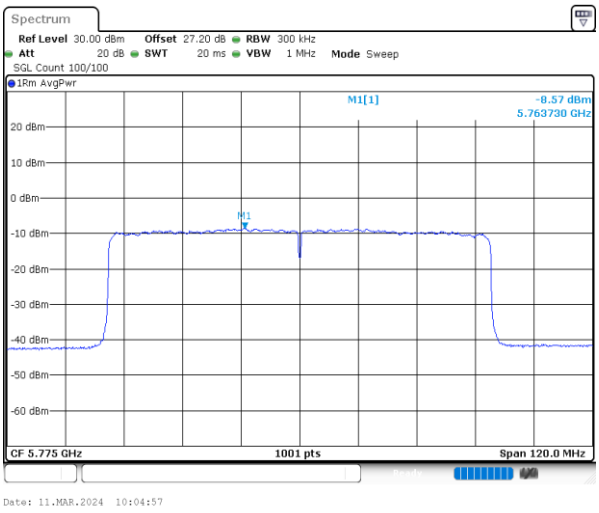
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)
Ant1


<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)
Ant1


<802.11ax HE80>

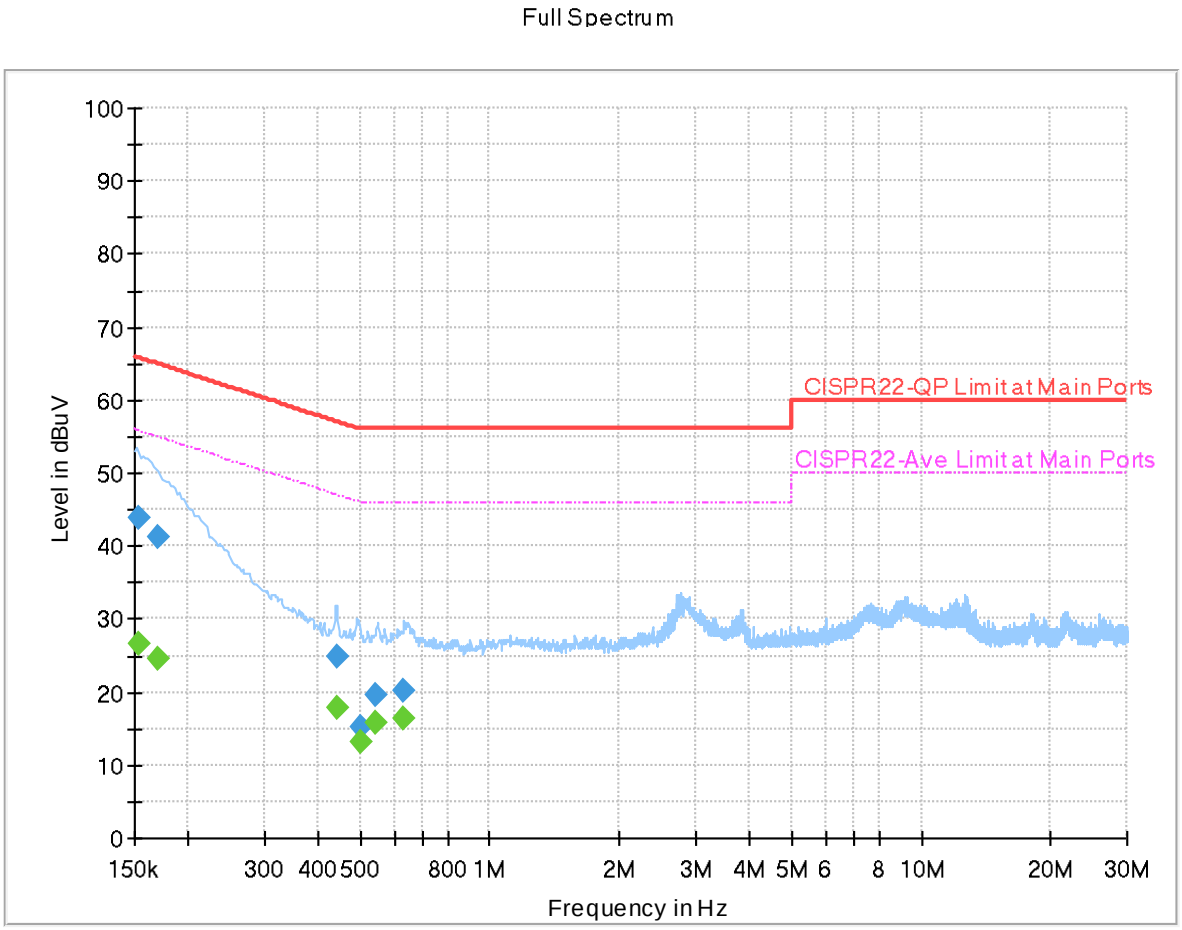
Maximum Power Density Plot (dBm/MHz)
Ant1


Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	20.5~21.7℃
		Relative Humidity :	41.2~46.4%

EUT Information

Report NO :	420107
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

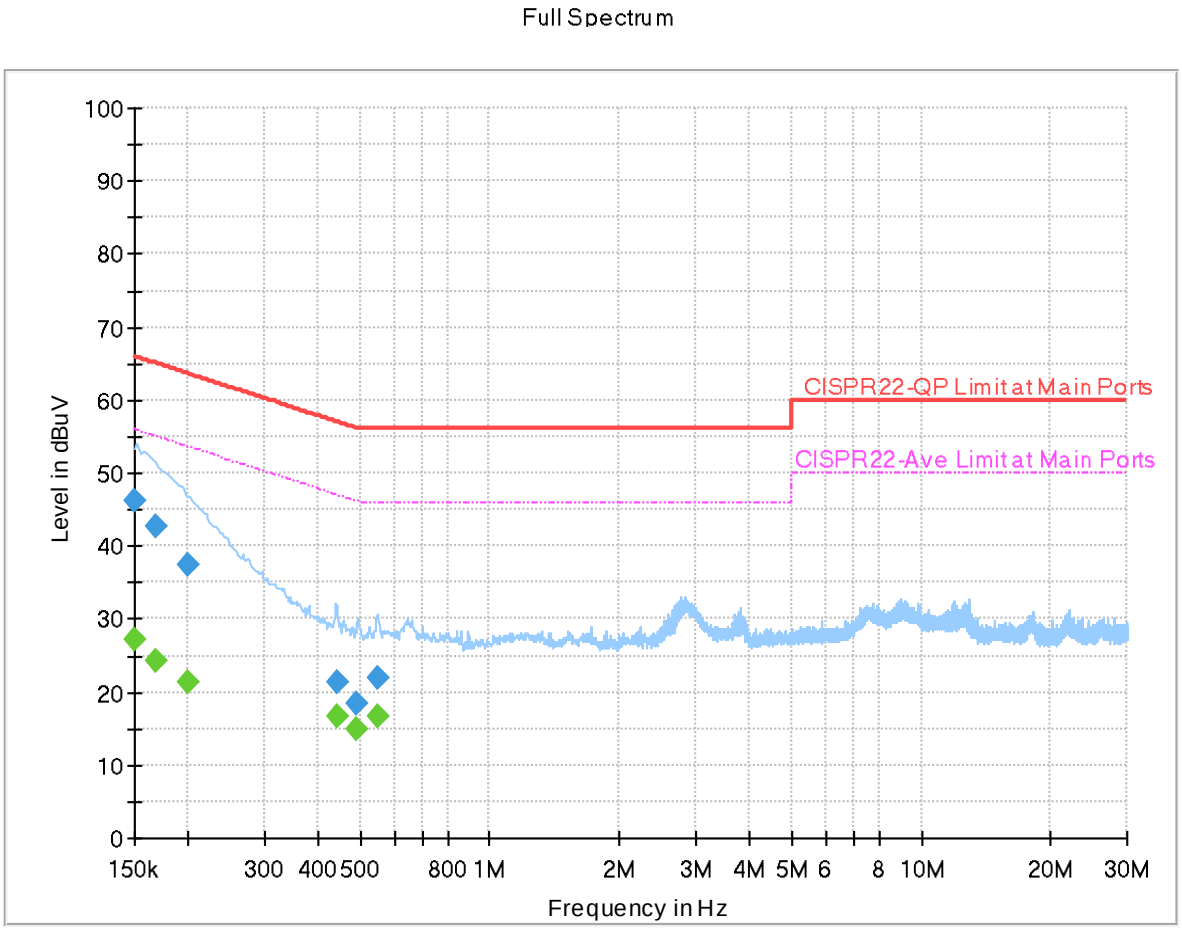


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152700	---	26.52	55.85	29.33	L1	OFF	19.9
0.152700	43.79	---	65.85	22.06	L1	OFF	19.9
0.169260	---	24.58	55.00	30.42	L1	OFF	19.9
0.169260	41.22	---	65.00	23.78	L1	OFF	19.9
0.440340	---	17.91	47.06	29.15	L1	OFF	19.9
0.440340	24.88	---	57.06	32.18	L1	OFF	19.9
0.503250	---	13.15	46.00	32.85	L1	OFF	19.9
0.503250	15.17	---	56.00	40.83	L1	OFF	19.9
0.546000	---	15.67	46.00	30.33	L1	OFF	19.9
0.546000	19.58	---	56.00	36.42	L1	OFF	19.9
0.632490	---	16.51	46.00	29.49	L1	OFF	19.9
0.632490	20.09	---	56.00	35.91	L1	OFF	19.9

EUT Information

Report NO :	420107
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	46.32	---	66.00	19.68	N	OFF	19.9
0.150000	---	27.16	56.00	28.84	N	OFF	19.9
0.168900	42.63	---	65.01	22.38	N	OFF	19.9
0.168900	---	24.27	55.01	30.74	N	OFF	19.9
0.199500	37.57	---	63.63	26.06	N	OFF	19.9
0.199500	---	21.26	53.63	32.37	N	OFF	19.9
0.444750	21.20	---	56.97	35.77	N	OFF	19.9
0.444750	---	16.64	46.97	30.33	N	OFF	19.9
0.489750	18.45	---	56.17	37.72	N	OFF	19.9
0.489750	---	15.04	46.17	31.13	N	OFF	19.9
0.547890	22.00	---	56.00	34.00	N	OFF	19.9
0.547890	---	16.66	46.00	29.34	N	OFF	19.9

Appendix C. Radiated Spurious Emission

Test Engineer :	Daniel Lee, Quentin Liu and Bigshow Wang	Temperature :	21.1~23.4°C
		Relative Humidity :	48~58%

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	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)
		5642.2	48.28	-19.92	68.2	42.67	33.21	8.71	36.31	100	321	P	H
		5699.6	55.83	-49.08	104.91	49.91	33.5	8.75	36.33	100	321	P	H
		5720	63.15	-47.65	110.8	57.11	33.6	8.77	36.33	100	321	P	H
		5723.2	73.05	-45.05	118.1	66.99	33.62	8.77	36.33	100	321	P	H
	*	5745	101.82	-	-	95.65	33.72	8.79	36.34	100	321	P	H
	*	5745	94.23	-	-	88.06	33.72	8.79	36.34	100	321	A	H
													H
802.11a CH 149 5745MHz													H
		5643.2	48.26	-19.94	68.2	42.64	33.22	8.71	36.31	100	54	P	V
		5699.4	54.44	-50.32	104.76	48.52	33.5	8.75	36.33	100	54	P	V
		5720	63.24	-47.56	110.8	57.2	33.6	8.77	36.33	100	54	P	V
		5725	73.77	-48.43	122.2	67.7	33.62	8.78	36.33	100	54	P	V
	*	5745	103.57	-	-	97.4	33.72	8.79	36.34	100	54	P	V
	*	5745	95.95	-	-	89.78	33.72	8.79	36.34	100	54	A	V
													V
													V

WIFI Ant.	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)
		5646.2	47.48	-20.72	68.2	41.86	33.23	8.71	36.32	100	321	P	H
		5686.6	47.99	-47.33	95.32	42.14	33.43	8.74	36.32	100	321	P	H
		5711.2	47.71	-60.63	108.34	41.72	33.56	8.76	36.33	100	321	P	H
		5723	48.12	-69.52	117.64	42.06	33.62	8.77	36.33	100	321	P	H
	*	5785	100.39	-	-	93.99	33.92	8.83	36.35	100	321	P	H
	*	5785	93.72	-	-	87.32	33.92	8.83	36.35	100	321	A	H
		5850.165	47.48	-74.34	121.82	40.87	34.1	8.87	36.36	100	321	P	H
		5855.495	48.25	-62.41	110.66	41.64	34.11	8.87	36.37	100	321	P	H
		5886.04	47.74	-49.26	97	41.05	34.17	8.89	36.37	100	321	P	H
		5928.68	47.36	-20.84	68.2	40.68	34.14	8.92	36.38	100	321	P	H
													H
802.11a CH 157 5785MHz													H
		5640.6	47.54	-20.66	68.2	41.95	33.2	8.7	36.31	100	54	P	V
		5679.4	48.13	-41.87	90	42.31	33.4	8.74	36.32	100	54	P	V
		5708.4	49.8	-57.75	107.55	43.83	33.54	8.76	36.33	100	54	P	V
		5722.6	49.14	-67.59	116.73	43.09	33.61	8.77	36.33	100	54	P	V
	*	5785	102.49	-	-	96.09	33.92	8.83	36.35	100	54	P	V
	*	5785	95.47	-	-	89.07	33.92	8.83	36.35	100	54	A	V
		5851.805	47.63	-70.45	118.08	41.02	34.1	8.87	36.36	100	54	P	V
		5856.52	48.51	-61.86	110.37	41.9	34.11	8.87	36.37	100	54	P	V
		5904.08	48.3	-35.34	83.64	41.59	34.19	8.9	36.38	100	54	P	V
		5939.34	47.42	-20.78	68.2	40.77	34.12	8.92	36.39	100	54	P	V
													V
													V

WIFI Ant.	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)
	*	5825	99.74	-	-	93.19	34.05	8.86	36.36	100	325	P	H
	*	5825	92.85	-	-	86.3	34.05	8.86	36.36	100	325	A	H
		5851.4	61.83	-57.18	119.01	55.22	34.1	8.87	36.36	100	325	P	H
		5855.2	60.36	-50.38	110.74	53.75	34.11	8.87	36.37	100	325	P	H
		5878	49.56	-53.41	102.97	42.88	34.16	8.89	36.37	100	325	P	H
		5925.4	48.55	-19.65	68.2	41.86	34.15	8.92	36.38	100	325	P	H
													H
802.11a													H
CH 165	*	5825	103.4	-	-	96.85	34.05	8.86	36.36	118	56	P	V
5825MHz	*	5825	96.27	-	-	89.72	34.05	8.86	36.36	118	56	A	V
		5850.2	64.06	-57.68	121.74	57.45	34.1	8.87	36.36	118	56	P	V
		5856.2	61.18	-49.28	110.46	54.57	34.11	8.87	36.37	118	56	P	V
		5875.8	51.86	-52.75	104.61	45.19	34.15	8.89	36.37	118	56	P	V
		5932.8	49	-19.2	68.2	42.33	34.13	8.92	36.38	118	56	P	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	45.85	-28.15	74	51.95	38.95	13.11	58.16	-	-	P	H
		17235	48.58	-19.62	68.2	52.97	38.62	16.25	59.26	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	45.71	-28.29	74	51.81	38.95	13.11	58.16	-	-	P	V
		17235	45.97	-22.23	68.2	50.36	38.62	16.25	59.26	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	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)
		11570	46.58	-27.42	74	52.57	38.97	13.15	58.11	-	-	P	H
		17355	56.18	-12.02	68.2	60.07	39.08	16.27	59.24	303	360	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 157 5785MHz													H
		11570	45.84	-28.16	74	51.83	38.97	13.15	58.11	-	-	P	V
		17355	58.5	-9.7	68.2	62.39	39.08	16.27	59.24	100	27	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. -	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 165 5825MHz		11650	46.04	-27.96	74	51.93	38.99	13.18	58.06	-	-	P	H
		17475	52.39	-15.81	68.2	55.76	39.55	16.3	59.22	369	284	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11650	45.67	-28.33	74	51.56	38.99	13.18	58.06	-	-	P	V
		17475	52.73	-15.47	68.2	56.1	39.55	16.3	59.22	100	251	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant.	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)
		5634	48.19	-20.01	68.2	42.63	33.17	8.7	36.31	100	321	P	H
		5698.2	57.01	-46.86	103.87	51.1	33.49	8.75	36.33	100	321	P	H
		5719.8	66.16	-44.58	110.74	60.12	33.6	8.77	36.33	100	321	P	H
		5724.8	75.06	-46.68	121.74	68.99	33.62	8.78	36.33	100	321	P	H
	*	5745	100.54	-	-	94.37	33.72	8.79	36.34	100	321	P	H
	*	5745	93.99	-	-	87.82	33.72	8.79	36.34	100	321	A	H
802.11n													H
HT20													H
CH 149		5639.2	47.8	-20.4	68.2	42.21	33.2	8.7	36.31	100	54	P	V
5745MHz		5697	55.77	-47.22	102.99	49.86	33.49	8.75	36.33	100	54	P	V
		5719.4	64.81	-45.82	110.63	58.77	33.6	8.77	36.33	100	54	P	V
		5721.8	75.34	-39.56	114.9	69.29	33.61	8.77	36.33	100	54	P	V
	*	5745	102.98	-	-	96.81	33.72	8.79	36.34	100	54	P	V
	*	5745	95.68	-	-	89.51	33.72	8.79	36.34	100	54	A	V
													V
													V

WIFI Ant.	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)
	*	5825	99.86	-	-	93.31	34.05	8.86	36.36	100	326	P	H
	*	5825	92.43	-	-	85.88	34.05	8.86	36.36	100	326	A	H
		5850	63.89	-58.31	122.2	57.28	34.1	8.87	36.36	100	326	P	H
		5855.8	60.7	-49.88	110.58	54.09	34.11	8.87	36.37	100	326	P	H
		5875.4	50.13	-54.77	104.9	43.46	34.15	8.89	36.37	100	326	P	H
		5925.2	48.17	-20.03	68.2	41.48	34.15	8.92	36.38	100	326	P	H
802.11n													H
HT20													H
CH 165	*	5825	102.91	-	-	96.36	34.05	8.86	36.36	114	55	P	V
5825MHz	*	5825	95.83	-	-	89.28	34.05	8.86	36.36	114	55	A	V
		5850.4	68.32	-52.97	121.29	61.71	34.1	8.87	36.36	114	55	P	V
		5856.2	62.45	-48.01	110.46	55.84	34.11	8.87	36.37	114	55	P	V
		5877	52	-51.71	103.71	45.33	34.15	8.89	36.37	114	55	P	V
		5935.4	48.77	-19.43	68.2	42.1	34.13	8.92	36.38	114	55	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant.	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)
		11570	44.89	-29.11	74	50.88	38.97	13.15	58.11	-	-	P	H
		17355	47.56	-20.64	68.2	51.45	39.08	16.27	59.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 157		11570	46.93	-27.07	74	52.92	38.97	13.15	58.11	-	-	P	V
5785MHz		17355	47.12	-21.08	68.2	51.01	39.08	16.27	59.24	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant.	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)
		5649.2	47.86	-20.34	68.2	42.22	33.25	8.71	36.32	100	322	P	H
		5699.4	55.08	-49.68	104.76	49.16	33.5	8.75	36.33	100	322	P	H
		5719.6	64	-46.69	110.69	57.96	33.6	8.77	36.33	100	322	P	H
		5724.6	72.62	-48.67	121.29	66.55	33.62	8.78	36.33	100	322	P	H
	*	5745	101.33	-	-	95.16	33.72	8.79	36.34	100	322	P	H
	*	5745	93.88	-	-	87.71	33.72	8.79	36.34	100	322	A	H
802.11ac													H
VHT20													H
CH 149		5641.8	47.96	-20.24	68.2	42.35	33.21	8.71	36.31	100	55	P	V
5745MHz		5695.6	55.66	-46.3	101.96	49.76	33.48	8.75	36.33	100	55	P	V
		5719.8	63.96	-46.78	110.74	57.92	33.6	8.77	36.33	100	55	P	V
		5725	71.75	-50.45	122.2	65.68	33.62	8.78	36.33	100	55	P	V
	*	5745	102.28	-	-	96.11	33.72	8.79	36.34	100	55	P	V
	*	5745	95.14	-	-	88.97	33.72	8.79	36.34	100	55	A	V
													V
													V

WIFI Ant.	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)
	*	5825	99.14	-	-	92.59	34.05	8.86	36.36	100	322	P	H
	*	5825	92.03	-	-	85.48	34.05	8.86	36.36	100	322	A	H
		5850	61.86	-60.34	122.2	55.25	34.1	8.87	36.36	100	322	P	H
		5858.2	57.7	-52.2	109.9	51.08	34.12	8.87	36.37	100	322	P	H
		5877.4	49.46	-53.96	103.42	42.79	34.15	8.89	36.37	100	322	P	H
		5943	47.86	-20.34	68.2	41.21	34.11	8.93	36.39	100	322	P	H
802.11ac													H
VHT20													H
CH 165	*	5825	102.37	-	-	95.82	34.05	8.86	36.36	100	55	P	V
5825MHz	*	5825	94.9	-	-	88.35	34.05	8.86	36.36	100	55	A	V
		5853	66.95	-48.41	115.36	60.33	34.11	8.87	36.36	100	55	P	V
		5858.4	60.86	-48.99	109.85	54.23	34.12	8.88	36.37	100	55	P	V
		5876.8	52.68	-51.18	103.86	46.01	34.15	8.89	36.37	100	55	P	V
		5927	48.34	-19.86	68.2	41.65	34.15	8.92	36.38	100	55	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant.	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)
		11570	45.91	-28.09	74	51.9	38.97	13.15	58.11	-	-	P	H
		17355	49.75	-18.45	68.2	53.64	39.08	16.27	59.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT20													H
CH 157		11570	45.03	-28.97	74	51.02	38.97	13.15	58.11	-	-	P	V
5785MHz		17355	47.06	-21.14	68.2	50.95	39.08	16.27	59.24	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant.	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)
		5643	56.13	-12.07	68.2	50.51	33.22	8.71	36.31	100	323	P	H
		5699.33	64.01	-40.7	104.71	58.09	33.5	8.75	36.33	100	323	P	H
		5718.68	75.49	-34.94	110.43	69.46	33.59	8.77	36.33	100	323	P	H
		5723.625	75.82	-43.25	119.07	69.75	33.62	8.78	36.33	100	323	P	H
	*	5755	98.83	-	-	92.59	33.78	8.8	36.34	100	323	P	H
	*	5755	91.29	-	-	85.05	33.78	8.8	36.34	100	323	A	H
		5850.775	50	-70.43	120.43	43.39	34.1	8.87	36.36	100	323	P	H
		5857.75	49.48	-60.55	110.03	42.86	34.12	8.87	36.37	100	323	P	H
		5886.775	48.97	-47.49	96.46	42.28	34.17	8.89	36.37	100	323	P	H
		5928.175	48.47	-19.73	68.2	41.79	34.14	8.92	36.38	100	323	P	H
802.11ac													H
VHT40													H
CH 151		5639.775	58.35	-9.85	68.2	52.76	33.2	8.7	36.31	100	55	P	V
5755MHz		5697.825	64.71	-38.89	103.6	58.8	33.49	8.75	36.33	100	55	P	V
		5715.455	76.55	-32.98	109.53	70.53	33.58	8.77	36.33	100	55	P	V
		5724.915	80.16	-41.85	122.01	74.09	33.62	8.78	36.33	100	55	P	V
	*	5755	100.39	-	-	94.15	33.78	8.8	36.34	100	55	P	V
	*	5755	93.01	-	-	86.77	33.78	8.8	36.34	100	55	A	V
		5851.675	51.01	-67.37	118.38	44.4	34.1	8.87	36.36	100	55	P	V
		5855.725	52.57	-58.03	110.6	45.96	34.11	8.87	36.37	100	55	P	V
		5886.1	49.97	-46.99	96.96	43.28	34.17	8.89	36.37	100	55	P	V
		5927.725	48.08	-20.12	68.2	41.4	34.14	8.92	36.38	100	55	P	V
													V
													V

WIFI Ant.	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)
		5640.85	48.18	-20.02	68.2	42.59	33.2	8.7	36.31	100	326	P	H
		5696.32	54.04	-48.45	102.49	48.14	33.48	8.75	36.33	100	326	P	H
		5719.54	57.6	-53.07	110.67	51.56	33.6	8.77	36.33	100	326	P	H
		5723.84	57.49	-62.07	119.56	51.42	33.62	8.78	36.33	100	326	P	H
	*	5795	97.22	-	-	90.76	33.97	8.84	36.35	100	326	P	H
	*	5795	90.17	-	-	83.71	33.97	8.84	36.35	100	326	A	H
		5851.45	57.19	-61.7	118.89	50.58	34.1	8.87	36.36	100	326	P	H
		5863.825	55.61	-52.72	108.33	48.97	34.13	8.88	36.37	100	326	P	H
		5877.325	51.13	-52.34	103.47	44.46	34.15	8.89	36.37	100	326	P	H
		5934.925	48.13	-20.07	68.2	41.46	34.13	8.92	36.38	100	326	P	H
802.11ac													H
VHT40													H
CH 159		5639.775	48.21	-19.99	68.2	42.62	33.2	8.7	36.31	100	54	P	V
5795MHz		5697.61	54.29	-49.15	103.44	48.38	33.49	8.75	36.33	100	54	P	V
		5719.97	56.51	-54.28	110.79	50.47	33.6	8.77	36.33	100	54	P	V
		5724.915	59.61	-62.4	122.01	53.54	33.62	8.78	36.33	100	54	P	V
	*	5795	100.21	-	-	93.75	33.97	8.84	36.35	100	54	P	V
	*	5795	92.48	-	-	86.02	33.97	8.84	36.35	100	54	A	V
		5851.9	60.62	-57.25	117.87	54.01	34.1	8.87	36.36	100	54	P	V
		5857.525	60.39	-49.7	110.09	53.77	34.12	8.87	36.37	100	54	P	V
		5877.1	53.74	-49.9	103.64	47.07	34.15	8.89	36.37	100	54	P	V
		5942.575	48.92	-19.28	68.2	42.27	34.11	8.93	36.39	100	54	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant.	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)
		11510	45.65	-28.35	74	51.71	38.95	13.13	58.14	-	-	P	H
		17265	47.35	-20.85	68.2	51.63	38.73	16.25	59.26	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 151		11510	45.75	-28.25	74	51.81	38.95	13.13	58.14	-	-	P	V
5755MHz		17265	47.48	-20.72	68.2	51.76	38.73	16.25	59.26	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	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)
		11590	46.27	-27.73	74	52.22	38.98	13.16	58.09	-	-	P	H
		17385	49.79	-18.41	68.2	53.54	39.2	16.28	59.23	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 159		11590	45.88	-28.12	74	51.83	38.98	13.16	58.09	-	-	P	V
5795MHz		17385	48.93	-19.27	68.2	52.68	39.2	16.28	59.23	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant.	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)
		5644.775	57.23	-10.97	68.2	51.61	33.22	8.71	36.31	100	322	P	H
		5686.85	68.66	-26.84	95.5	62.81	33.43	8.74	36.32	100	322	P	H
		5716.325	70.53	-39.24	109.77	64.51	33.58	8.77	36.33	100	322	P	H
		5724.425	70.46	-50.43	120.89	64.39	33.62	8.78	36.33	100	322	P	H
	*	5775	95.17	-	-	88.82	33.88	8.82	36.35	100	322	P	H
	*	5775	87.45	-	-	81.1	33.88	8.82	36.35	100	322	A	H
		5850.1	66.23	-55.74	121.97	59.62	34.1	8.87	36.36	100	322	P	H
		5859.55	62.19	-47.33	109.52	55.56	34.12	8.88	36.37	100	322	P	H
		5875.75	54.39	-50.25	104.64	47.72	34.15	8.89	36.37	100	322	P	H
		5927.95	48.8	-19.4	68.2	42.12	34.14	8.92	36.38	100	322	P	H
802.11ac													H
VHT80													H
CH 155		5639.15	57.91	-10.29	68.2	52.32	33.2	8.7	36.31	100	51	P	V
5775MHz		5679.425	66.33	-23.68	90.01	60.51	33.4	8.74	36.32	100	51	P	V
		5715.425	69.5	-40.02	109.52	63.48	33.58	8.77	36.33	100	51	P	V
		5721.5	70.43	-43.79	114.22	64.38	33.61	8.77	36.33	100	51	P	V
	*	5775	96.21	-	-	89.86	33.88	8.82	36.35	100	51	P	V
	*	5775	87.97	-	-	81.62	33.88	8.82	36.35	100	51	A	V
		5853.475	64.4	-49.88	114.28	57.78	34.11	8.87	36.36	100	51	P	V
		5860.675	66.31	-42.9	109.21	59.68	34.12	8.88	36.37	100	51	P	V
		5877.775	59.97	-43.17	103.14	53.29	34.16	8.89	36.37	100	51	P	V
		5929.075	50.52	-17.68	68.2	43.84	34.14	8.92	36.38	100	51	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	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)
		11550	45.26	-28.74	74	51.27	38.97	13.14	58.12	-	-	P	H
		17325	46.75	-21.45	68.2	50.75	38.97	16.27	59.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
i802.11ac													H
VHT80													H
CH 155		11550	45.68	-28.32	74	51.69	38.97	13.14	58.12	-	-	P	V
5775MHz		17325	46.68	-21.52	68.2	50.68	38.97	16.27	59.24	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Full (Band Edge @ 3m)

WIFI Ant.	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)
		5648.6	47.91	-20.29	68.2	42.28	33.24	8.71	36.32	100	322	P	H
		5696.6	57.03	-45.66	102.69	51.13	33.48	8.75	36.33	100	322	P	H
		5720	67.46	-43.34	110.8	61.42	33.6	8.77	36.33	100	322	P	H
		5725	75.72	-46.48	122.2	69.65	33.62	8.78	36.33	100	322	P	H
	*	5745	100.83	-	-	94.66	33.72	8.79	36.34	100	322	P	H
	*	5745	93.4	-	-	87.23	33.72	8.79	36.34	100	322	A	H
802.11ax													H
HE20 Full													H
CH 149		5630.8	47.75	-20.45	68.2	42.21	33.15	8.7	36.31	100	52	P	V
5745MHz		5694.4	57.93	-43.14	101.07	52.04	33.47	8.75	36.33	100	52	P	V
		5717.8	68.06	-42.12	110.18	62.03	33.59	8.77	36.33	100	52	P	V
		5724.4	77.18	-43.65	120.83	71.11	33.62	8.78	36.33	100	52	P	V
	*	5745	103.11	-	-	96.94	33.72	8.79	36.34	100	52	P	V
	*	5745	94.71	-	-	88.54	33.72	8.79	36.34	100	52	A	V
													V
													V

WIFI Ant.	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)
		5639.6	48.41	-19.79	68.2	42.82	33.2	8.7	36.31	100	320	P	H
		5651.6	48.11	-21.28	69.39	42.46	33.26	8.71	36.32	100	320	P	H
		5716.2	51.03	-58.71	109.74	45.01	33.58	8.77	36.33	100	320	P	H
		5724.4	51.49	-69.34	120.83	45.42	33.62	8.78	36.33	100	320	P	H
	*	5785	101.16	-	-	94.76	33.92	8.83	36.35	100	320	P	H
	*	5785	93.11	-	-	86.71	33.92	8.83	36.35	100	320	A	H
		5855.085	47.58	-63.2	110.78	40.97	34.11	8.87	36.37	100	320	P	H
		5862.055	48.43	-60.39	108.82	41.8	34.12	8.88	36.37	100	320	P	H
		5896.495	47.79	-41.47	89.26	41.08	34.19	8.9	36.38	100	320	P	H
		5943.03	49.14	-19.06	68.2	42.49	34.11	8.93	36.39	100	320	P	H
802.11ax													H
HE20 Full													H
CH 157		5639.2	48.49	-19.71	68.2	42.9	33.2	8.7	36.31	100	56	P	V
5785MHz		5672	48.39	-36.13	84.52	42.62	33.36	8.73	36.32	100	56	P	V
		5719.8	53.18	-57.56	110.74	47.14	33.6	8.77	36.33	100	56	P	V
		5720	52.97	-57.83	110.8	46.93	33.6	8.77	36.33	100	56	P	V
	*	5785	102.53	-	-	96.13	33.92	8.83	36.35	100	56	P	V
	*	5785	94.92	-	-	88.52	33.92	8.83	36.35	100	56	A	V
		5853.035	48	-67.28	115.28	41.38	34.11	8.87	36.36	100	56	P	V
		5858.57	48.42	-61.38	109.8	41.79	34.12	8.88	36.37	100	56	P	V
		5904.285	47.63	-35.86	83.49	40.92	34.19	8.9	36.38	100	56	P	V
		5932.37	48.15	-20.05	68.2	41.47	34.14	8.92	36.38	100	56	P	V
													V
													V

WIFI Ant.	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)
	*	5825	99.53	-	-	92.98	34.05	8.86	36.36	100	323	P	H
	*	5825	91.66	-	-	85.11	34.05	8.86	36.36	100	323	A	H
		5850	64.8	-57.4	122.2	58.19	34.1	8.87	36.36	100	323	P	H
		5857.4	61.51	-48.62	110.13	54.9	34.11	8.87	36.37	100	323	P	H
		5876.4	50.07	-54.09	104.16	43.4	34.15	8.89	36.37	100	323	P	H
		5946	46.86	-21.34	68.2	40.21	34.11	8.93	36.39	100	323	P	H
802.11ax													H
HE20 Full													H
CH 165	*	5825	103.32	-	-	96.77	34.05	8.86	36.36	100	52	P	V
5825MHz	*	5825	94.34	-	-	87.79	34.05	8.86	36.36	100	52	A	V
		5851.6	72.86	-45.69	118.55	66.25	34.1	8.87	36.36	100	52	P	V
		5856.2	61.63	-48.83	110.46	55.02	34.11	8.87	36.37	100	52	P	V
		5876	50.91	-53.55	104.46	44.24	34.15	8.89	36.37	100	52	P	V
		5944.6	47.6	-20.6	68.2	40.95	34.11	8.93	36.39	100	52	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant.	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)
		11490	45.56	-28.44	74	51.66	38.95	13.11	58.16	-	-	P	H
		17235	47.45	-20.75	68.2	51.84	38.62	16.25	59.26	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		11490	45.68	-28.32	74	51.78	38.95	13.11	58.16	-	-	P	V
5745MHz		17235	46.54	-21.66	68.2	50.93	38.62	16.25	59.26	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	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)
		11570	45.23	-28.77	74	51.22	38.97	13.15	58.11	-	-	P	H
		17355	46.98	-21.22	68.2	50.87	39.08	16.27	59.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 157		11570	44.88	-29.12	74	50.87	38.97	13.15	58.11	-	-	P	V
5785MHz		17355	47.32	-20.88	68.2	51.21	39.08	16.27	59.24	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	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)
		11650	46.35	-27.65	74	52.24	38.99	13.18	58.06	-	-	P	H
		17475	49.43	-18.77	68.2	52.8	39.55	16.3	59.22	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 165		11650	45.47	-28.53	74	51.36	38.99	13.18	58.06	-	-	P	V
5825MHz		17475	49.29	-18.91	68.2	52.66	39.55	16.3	59.22	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (Band Edge @ 3m)

WIFI Ant.	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 26/0 CH 149 5745MHz		5639	47.76	-20.44	68.2	42.18	33.19	8.7	36.31	100	314	P	H
		5699.8	54.33	-50.72	105.05	48.41	33.5	8.75	36.33	100	314	P	H
		5704.2	63.14	-43.24	106.38	57.19	33.52	8.76	36.33	100	314	P	H
		5723.4	66.54	-52.01	118.55	60.48	33.62	8.77	36.33	100	314	P	H
	*	5745	109.23	-	-	103.06	33.72	8.79	36.34	100	314	P	H
	*	5745	103.99	-	-	97.82	33.72	8.79	36.34	100	314	A	H
													H
													H
		5625	47.74	-20.46	68.2	42.24	33.12	8.69	36.31	297	37	P	V
		5699.6	53.3	-51.61	104.91	47.38	33.5	8.75	36.33	297	37	P	V
		5703	67.9	-38.14	106.04	61.96	33.51	8.76	36.33	297	37	P	V
		5724.4	66.48	-54.35	120.83	60.41	33.62	8.78	36.33	297	37	P	V
	*	5745	106.72	-	-	100.55	33.72	8.79	36.34	297	37	P	V
	*	5745	102.86	-	-	96.69	33.72	8.79	36.34	297	37	A	V
													V
													V

WIFI Ant.	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 26/8 CH 165 5825MHz	*	5825	107.52	-	-	100.97	34.05	8.86	36.36	100	307	P	H
	*	5825	102.6	-	-	96.05	34.05	8.86	36.36	100	307	A	H
		5851.2	66.74	-52.72	119.46	60.13	34.1	8.87	36.36	100	307	P	H
		5868.2	66.23	-40.87	107.1	59.58	34.14	8.88	36.37	100	307	P	H
		5901.6	51.25	-34.23	85.48	44.53	34.2	8.9	36.38	100	307	P	H
		5942.2	48.24	-19.96	68.2	41.58	34.12	8.93	36.39	100	307	P	H
													H
													H
	*	5825	109.18	-	-	102.63	34.05	8.86	36.36	300	27	P	V
	*	5825	103	-	-	96.45	34.05	8.86	36.36	300	27	A	V
		5853.4	64.93	-49.52	114.45	58.31	34.11	8.87	36.36	300	27	P	V
		5865.2	66.3	-41.64	107.94	59.66	34.13	8.88	36.37	300	27	P	V
		5899.4	53.91	-33.19	87.1	47.19	34.2	8.9	36.38	300	27	P	V
		5950	48.99	-19.21	68.2	42.35	34.1	8.93	36.39	300	27	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (Harmonic @ 3m)

WIFI Ant.	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 26/0 CH 149 5745MHz		11490	45.16	-28.84	74	51.26	38.95	13.11	58.16	-	-	P	H
		17210	56.81	-11.39	68.2	61.32	38.52	16.24	59.27	100	151	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	44.88	-29.12	74	50.98	38.95	13.11	58.16	-	-	P	V
		17210	53.75	-14.45	68.2	58.26	38.52	16.24	59.27	100	231	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	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 26/4 CH 157 5785MHz		11570	45.5	-28.5	74	51.49	38.97	13.15	58.11	-	-	P	H
		17355	55	-13.2	68.2	58.89	39.08	16.27	59.24	100	153	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11565	45.8	-28.2	74	51.79	38.97	13.15	58.11	-	-	P	V
		17355	51.59	-16.61	68.2	55.48	39.08	16.27	59.24	100	250	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													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)
i802.11ax HE20 Partial 26/8 CH 165 5825MHz		11650	46.49	-27.51	74	52.38	38.99	13.18	58.06	-	-	P	H
		17505	54.83	-13.37	68.2	58.06	39.67	16.3	59.2	392	251	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11650	45.75	-28.25	74	51.64	38.99	13.18	58.06	-	-	P	V
		17494	54.12	-14.08	68.2	57.4	39.63	16.3	59.21	100	251	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 52 (Band Edge @ 3m)

WIFI Ant.	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)
		5622.6	48.24	-19.96	68.2	42.75	33.11	8.69	36.31	100	317	P	H
		5697.8	50.18	-53.4	103.58	44.27	33.49	8.75	36.33	100	317	P	H
		5707.6	66.4	-40.93	107.33	60.43	33.54	8.76	36.33	100	317	P	H
		5724	67.88	-52.04	119.92	61.81	33.62	8.78	36.33	100	317	P	H
	*	5745	108.65	-	-	102.48	33.72	8.79	36.34	100	317	P	H
	*	5745	100.35	-	-	94.18	33.72	8.79	36.34	100	317	A	H
802.11ax													H
HE20													H
Partial													
52/37		5629.2	47.93	-20.27	68.2	42.4	33.15	8.69	36.31	291	28	P	V
CH 149		5699.2	51.25	-53.36	104.61	45.33	33.5	8.75	36.33	291	28	P	V
5745MHz		5719.4	61.29	-49.34	110.63	55.25	33.6	8.77	36.33	291	28	P	V
		5723.8	66.84	-52.62	119.46	60.77	33.62	8.78	36.33	291	28	P	V
	*	5745	106.19	-	-	100.02	33.72	8.79	36.34	291	28	P	V
	*	5745	99.58	-	-	93.41	33.72	8.79	36.34	291	28	A	V
													V
													V

WIFI Ant.	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)
	*	5825	106.04	-	-	99.49	34.05	8.86	36.36	100	308	P	H
	*	5825	99.78	-	-	93.23	34.05	8.86	36.36	100	308	A	H
		5851.2	64.4	-55.06	119.46	57.79	34.1	8.87	36.36	100	308	P	H
		5862.8	66.47	-42.14	108.61	59.83	34.13	8.88	36.37	100	308	P	H
		5877.6	49.77	-53.5	103.27	43.09	34.16	8.89	36.37	100	308	P	H
802.11ax		5938.6	48.69	-19.51	68.2	42.04	34.12	8.92	36.39	100	308	P	H
HE20													H
Partial													H
52/40	*	5825	107.33	-	-	100.78	34.05	8.86	36.36	290	25	P	V
CH 165	*	5825	100.89	-	-	94.34	34.05	8.86	36.36	290	25	A	V
5825MHz		5851.6	65.97	-52.58	118.55	59.36	34.1	8.87	36.36	290	25	P	V
		5859	67.02	-42.66	109.68	60.39	34.12	8.88	36.37	290	25	P	V
		5880.4	52.36	-48.83	101.19	45.68	34.16	8.89	36.37	290	25	P	V
		5931.8	48.83	-19.37	68.2	42.15	34.14	8.92	36.38	290	25	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

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

WIFI Ant.	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)
		5603	48.92	-19.28	68.2	43.54	33.01	8.67	36.3	100	311	P	H
		5700	54.99	-50.21	105.2	49.06	33.5	8.76	36.33	100	311	P	H
		5719.2	64.61	-45.97	110.58	58.57	33.6	8.77	36.33	100	311	P	H
		5725	69.61	-52.59	122.2	63.54	33.62	8.78	36.33	100	311	P	H
	*	5745	105.13	-	-	98.96	33.72	8.79	36.34	100	311	P	H
802.11ax	*	5745	98.38	-	-	92.21	33.72	8.79	36.34	100	311	A	H
HE20													H
Partial													H
106/53		5648.6	48.48	-19.72	68.2	42.85	33.24	8.71	36.32	288	26	P	V
CH 149		5695.4	54.45	-47.36	101.81	48.55	33.48	8.75	36.33	288	26	P	V
5745MHz		5720	62.7	-48.1	110.8	56.66	33.6	8.77	36.33	288	26	P	V
		5723.6	68.51	-50.5	119.01	62.44	33.62	8.78	36.33	288	26	P	V
	*	5745	105.18	-	-	99.01	33.72	8.79	36.34	288	26	P	V
	*	5745	97.94	-	-	91.77	33.72	8.79	36.34	288	26	A	V
													V
													V

WIFI Ant.	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)
	*	5825	105.88	-	-	99.33	34.05	8.86	36.36	100	309	P	H
	*	5825	97.16	-	-	90.61	34.05	8.86	36.36	100	309	A	H
		5851.8	64.57	-53.53	118.1	57.96	34.1	8.87	36.36	100	309	P	H
		5857.6	62.48	-47.59	110.07	55.86	34.12	8.87	36.37	100	309	P	H
		5879.6	50.03	-51.75	101.78	43.35	34.16	8.89	36.37	100	309	P	H
802.11ax		5933.8	48.2	-20	68.2	41.53	34.13	8.92	36.38	100	309	P	H
HE20													H
Partial													H
106/54	*	5825	105.21	-	-	98.66	34.05	8.86	36.36	291	26	P	V
CH 165	*	5825	98.16	-	-	91.61	34.05	8.86	36.36	291	26	A	V
5825MHz		5854.2	62.96	-49.66	112.62	56.35	34.11	8.87	36.37	291	26	P	V
		5857	62.51	-47.73	110.24	55.9	34.11	8.87	36.37	291	26	P	V
		5881.2	50.03	-50.56	100.59	43.35	34.16	8.89	36.37	291	26	P	V
		5939.4	48.76	-19.44	68.2	42.11	34.12	8.92	36.39	291	26	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant.	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)
		5644.72	54.7	-13.5	68.2	49.08	33.22	8.71	36.31	100	323	P	H
		5699.975	61.97	-43.21	105.18	56.05	33.5	8.75	36.33	100	323	P	H
		5718.895	73.67	-36.82	110.49	67.64	33.59	8.77	36.33	100	323	P	H
		5721.475	75.15	-39.01	114.16	69.1	33.61	8.77	36.33	100	323	P	H
	*	5755	99.5	-	-	93.26	33.78	8.8	36.34	100	323	P	H
	*	5755	90.61	-	-	84.37	33.78	8.8	36.34	100	323	A	H
		5853.7	49.6	-64.16	113.76	42.98	34.11	8.87	36.36	100	323	P	H
		5860.675	48.76	-60.45	109.21	42.13	34.12	8.88	36.37	100	323	P	H
		5905.225	47.41	-35.39	82.8	40.7	34.19	8.9	36.38	100	323	P	H
		5928.4	47.77	-20.43	68.2	41.09	34.14	8.92	36.38	100	323	P	H
802.11ax													H
HE40 Full													H
CH 151		5644.935	53.85	-14.35	68.2	48.23	33.22	8.71	36.31	100	55	P	V
5755MHz		5699.115	61.03	-43.52	104.55	55.11	33.5	8.75	36.33	100	55	P	V
		5718.68	74.37	-36.06	110.43	68.34	33.59	8.77	36.33	100	55	P	V
		5723.84	75.36	-44.2	119.56	69.29	33.62	8.78	36.33	100	55	P	V
	*	5755	99.33	-	-	93.09	33.78	8.8	36.34	100	55	P	V
	*	5755	91.9	-	-	85.66	33.78	8.8	36.34	100	55	A	V
		5850.55	51.45	-69.5	120.95	44.84	34.1	8.87	36.36	100	55	P	V
		5864.05	50.56	-57.7	108.26	43.92	34.13	8.88	36.37	100	55	P	V
		5878.45	48.96	-53.68	102.64	42.28	34.16	8.89	36.37	100	55	P	V
		5927.275	47.18	-21.02	68.2	40.49	34.15	8.92	36.38	100	55	P	V
													V
													V

WIFI Ant.	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)
		5648.825	48.46	-19.74	68.2	42.83	33.24	8.71	36.32	100	322	P	H
		5686.625	53.55	-41.78	95.33	47.7	33.43	8.74	36.32	100	322	P	H
		5718.8	57.45	-53.01	110.46	51.42	33.59	8.77	36.33	100	322	P	H
		5723.525	57.74	-61.1	118.84	51.68	33.62	8.77	36.33	100	322	P	H
	*	5795	97.52	-	-	91.06	33.97	8.84	36.35	100	322	P	H
	*	5795	90.24	-	-	83.78	33.97	8.84	36.35	100	322	A	H
		5849.96	58.02	-76.18	134.2	51.41	34.1	8.87	36.36	100	322	P	H
		5858.365	55.12	-54.74	109.86	48.49	34.12	8.88	36.37	100	322	P	H
		5881.94	50.03	-50.02	100.05	43.35	34.16	8.89	36.37	100	322	P	H
		5931.55	47.92	-20.28	68.2	41.24	34.14	8.92	36.38	100	322	P	H
802.11ax													H
HE40 Full													H
CH 159		5602.25	48.05	-20.15	68.2	42.67	33.01	8.67	36.3	100	54	P	V
5795MHz		5699.9	54.16	-50.97	105.13	48.24	33.5	8.75	36.33	100	54	P	V
		5719.925	55.89	-54.89	110.78	49.85	33.6	8.77	36.33	100	54	P	V
		5722.625	58.72	-58.07	116.79	52.67	33.61	8.77	36.33	100	54	P	V
	*	5795	99.63	-	-	93.17	33.97	8.84	36.35	100	54	P	V
	*	5795	92.12	-	-	85.66	33.97	8.84	36.35	100	54	A	V
		5853.24	60.37	-54.44	114.81	53.75	34.11	8.87	36.36	100	54	P	V
		5861.645	60.37	-48.57	108.94	53.74	34.12	8.88	36.37	100	54	P	V
		5878.66	55.98	-46.5	102.48	49.3	34.16	8.89	36.37	100	54	P	V
		5946.72	47.98	-20.22	68.2	41.33	34.11	8.93	36.39	100	54	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Harmonic @ 3m)

WIFI Ant.	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)
		11510	45.38	-28.62	74	51.44	38.95	13.13	58.14	-	-	P	H
		17265	47.34	-20.86	68.2	51.62	38.73	16.25	59.26	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 151		11510	45.9	-28.1	74	51.96	38.95	13.13	58.14	-	-	P	V
5755MHz		17265	47.12	-21.08	68.2	51.4	38.73	16.25	59.26	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													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)
		11590	45.48	-28.52	74	51.43	38.98	13.16	58.09	-	-	P	H
		17385	48.88	-19.32	68.2	52.63	39.2	16.28	59.23	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 159		11590	45.35	-28.65	74	51.3	38.98	13.16	58.09	-	-	P	V
5795MHz		17385	48.72	-19.48	68.2	52.47	39.2	16.28	59.23	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant.	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)
		5647.025	55.78	-12.42	68.2	50.15	33.24	8.71	36.32	100	322	P	H
		5699.675	65.21	-39.75	104.96	59.29	33.5	8.75	36.33	100	322	P	H
		5719.025	67.86	-42.67	110.53	61.82	33.6	8.77	36.33	100	322	P	H
		5721.05	67.84	-45.35	113.19	61.79	33.61	8.77	36.33	100	322	P	H
	*	5775	94.98	-	-	88.63	33.88	8.82	36.35	100	322	P	H
	*	5775	86.58	-	-	80.23	33.88	8.82	36.35	100	322	A	H
		5849.65	60.49	-73.71	134.2	53.88	34.1	8.87	36.36	100	322	P	H
		5855.05	59	-51.79	110.79	52.39	34.11	8.87	36.37	100	322	P	H
		5877.55	53.77	-49.54	103.31	47.09	34.16	8.89	36.37	100	322	P	H
		5939.65	48.16	-20.04	68.2	41.51	34.12	8.92	36.39	100	322	P	H
802.11ax													H
HE80 Full													H
CH 155		5648.15	54.55	-13.65	68.2	48.92	33.24	8.71	36.32	100	52	P	V
5775MHz		5694.05	67.83	-32.98	100.81	61.94	33.47	8.75	36.33	100	52	P	V
		5717.45	68.09	-42	110.09	62.06	33.59	8.77	36.33	100	52	P	V
		5724.65	68.17	-53.23	121.4	62.1	33.62	8.78	36.33	100	52	P	V
	*	5775	95.71	-	-	89.36	33.88	8.82	36.35	100	52	P	V
	*	5775	87.65	-	-	81.3	33.88	8.82	36.35	100	52	A	V
		5852.8	64.13	-51.69	115.82	57.51	34.11	8.87	36.36	100	52	P	V
		5862.025	61.91	-46.92	108.83	55.28	34.12	8.88	36.37	100	52	P	V
		5877.55	56.1	-47.21	103.31	49.42	34.16	8.89	36.37	100	52	P	V
		5929.75	49.22	-18.98	68.2	42.54	34.14	8.92	36.38	100	52	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Harmonic @ 3m)

WIFI Ant.	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)
		11550	45.41	-28.59	74	51.42	38.97	13.14	58.12	-	-	P	H
		17325	46.5	-21.7	68.2	50.5	38.97	16.27	59.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 155		11550	45.41	-28.59	74	51.42	38.97	13.14	58.12	-	-	P	V
5775MHz		17325	46.18	-22.02	68.2	50.18	38.97	16.27	59.24	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Emission above 18GHz

WIFI 802.11a (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		39666.5	47.71	-26.29	74	59.88	44.4	-0.27	56.3	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a													H
SHF		39376.5	47.79	-26.21	74	59.84	44.88	-0.36	56.57	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Emission below 1GHz

5GHz WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		81.48	25.44	-14.56	40	42.97	13.64	1.19	32.36	-	-	P	H
		167.88	27.24	-16.26	43.5	42.08	15.8	1.73	32.37	-	-	P	H
		186.78	27.23	-16.27	43.5	42.95	14.8	1.83	32.35	-	-	P	H
		215.53	29.2	-14.3	43.5	44.73	14.9	1.9	32.33	-	-	P	H
		901.25	31.02	-14.98	46	30.57	28.36	3.61	31.52	-	-	P	H
		958.92	32.66	-13.34	46	29.93	29.9	3.77	30.94	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		30.36	30.14	-9.86	40	37.23	24.51	0.72	32.32	-	-	P	V
		42.42	32.45	-7.55	40	45.43	18.49	0.85	32.32	-	-	P	V
		48.36	29.29	-10.71	40	45.47	15.25	0.91	32.34	-	-	P	V
		187.14	25.51	-17.99	43.5	41.24	14.79	1.83	32.35	-	-	P	V
		721.92	32.16	-13.84	46	34.77	26.41	3.21	32.23	-	-	P	V
		958.92	32.95	-13.05	46	30.22	29.9	3.77	30.94	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.

Note symbol

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

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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 @ 2390MHz:

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 @ 2390MHz:

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

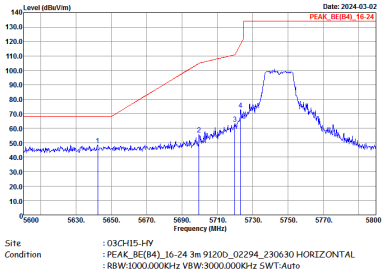
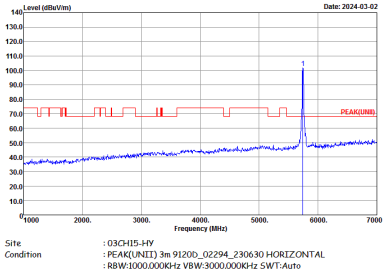
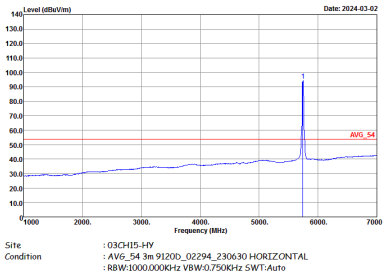
Test Engineer :	Daniel Lee, Quentin Liu and Bigshow Wang	**Temperature :**	21.1~23.4°C
		Relative Humidity :	48~58%

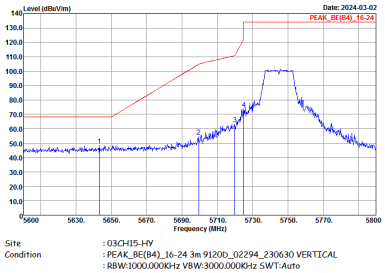
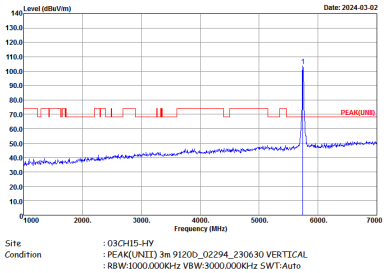
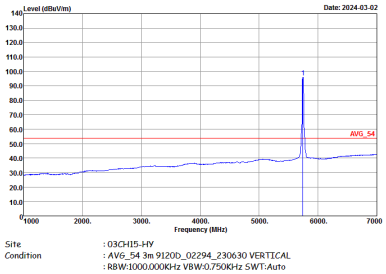
Note symbol

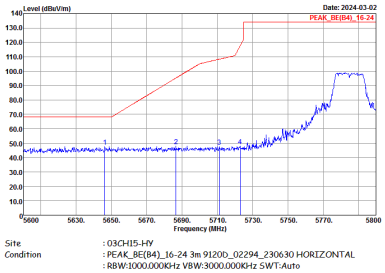
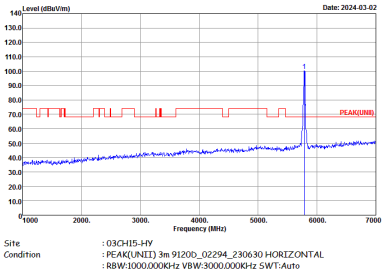
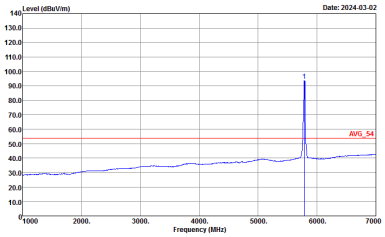
-L	**Low channel location**
-R	**High channel location**

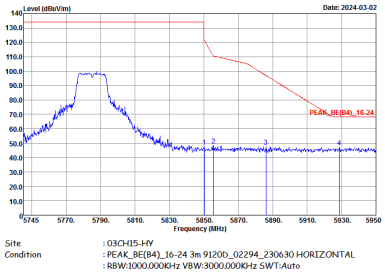
Band 4 - 5725~5850MHz

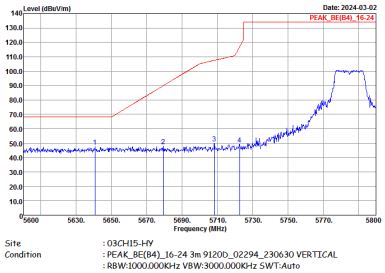
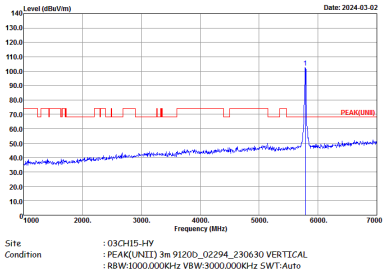
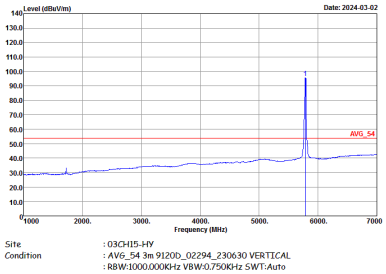
WIFI 802.11a (Band Edge @ 3m)

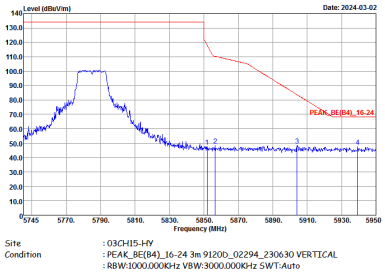
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

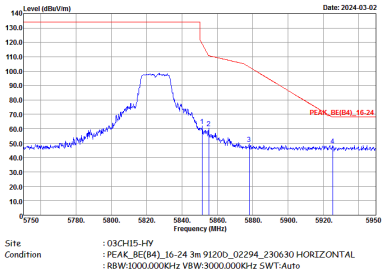
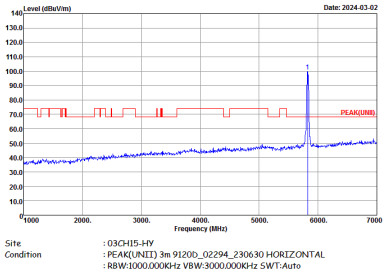
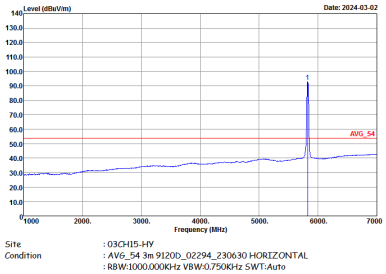
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

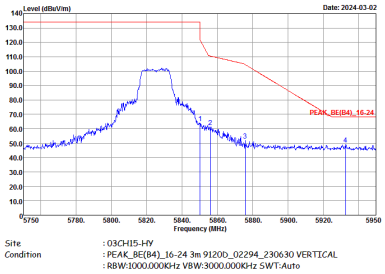
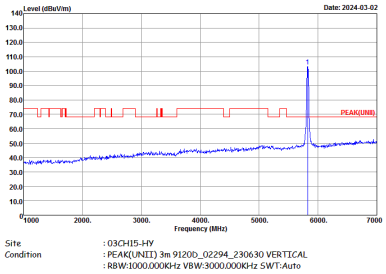
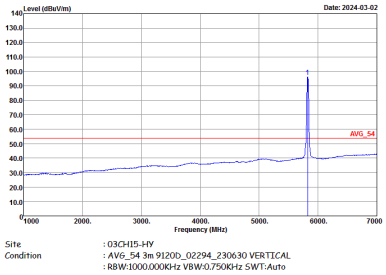
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg	Left blank	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

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

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

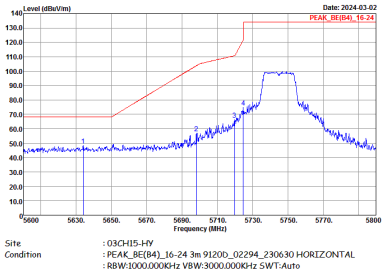
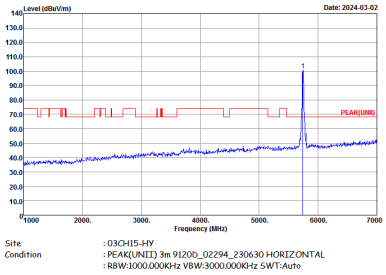
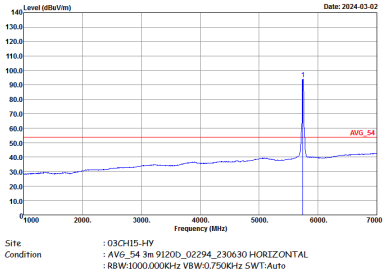
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
	Vertical	Fundamental
Peak		Left blank

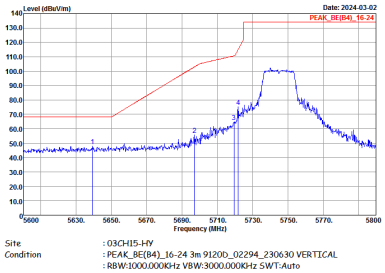
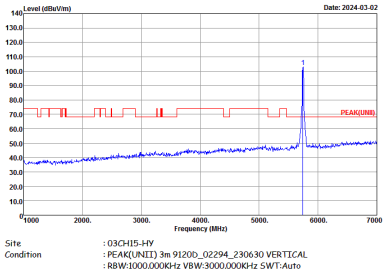
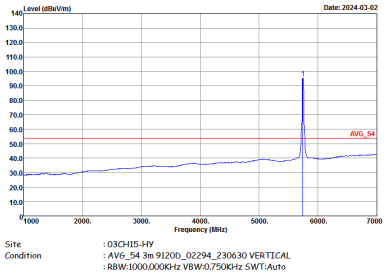
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

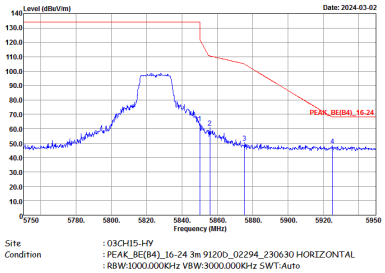
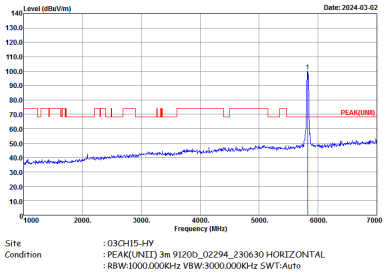
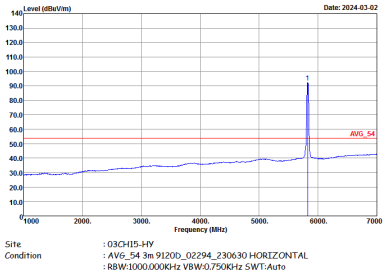
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

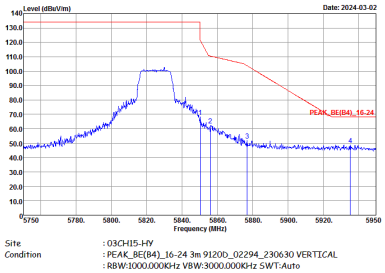
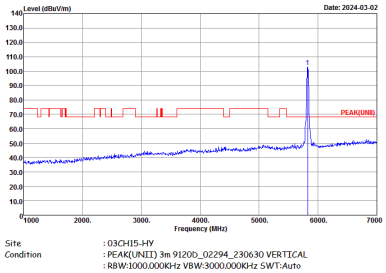
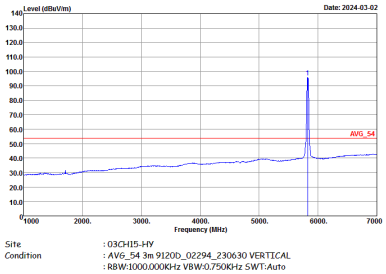
Band 4 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

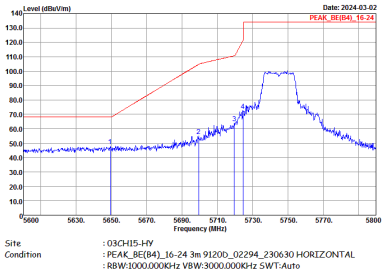
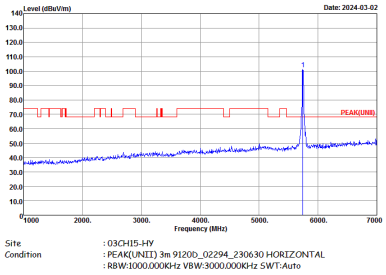
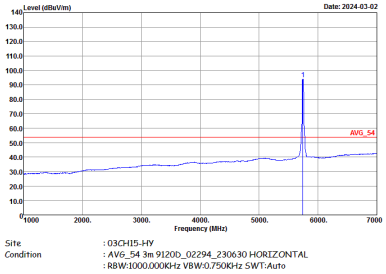
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

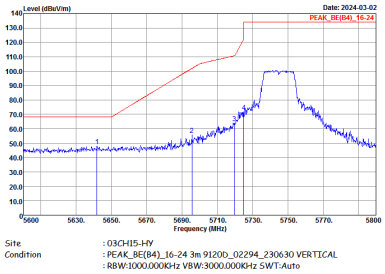
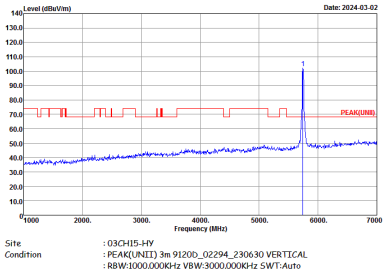
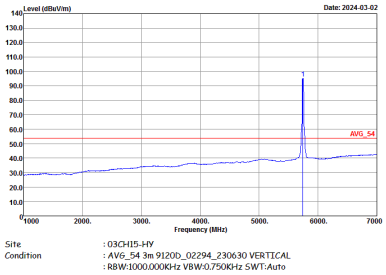
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

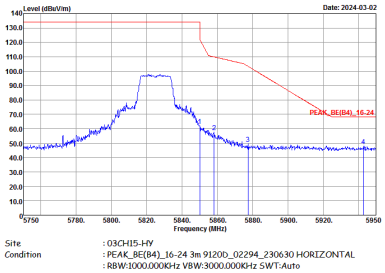
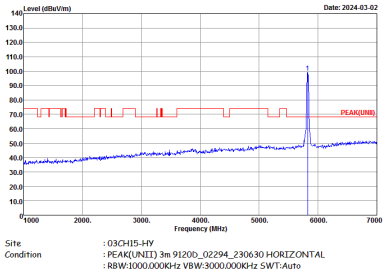
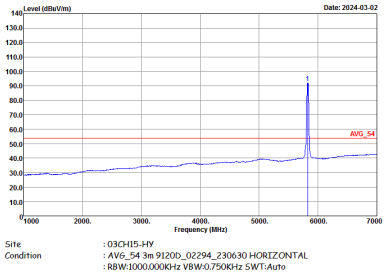
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

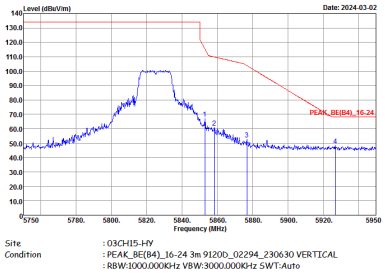
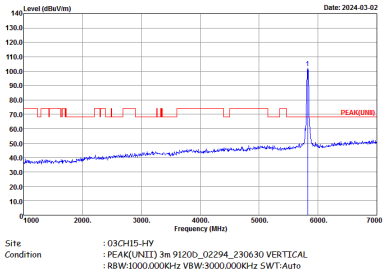
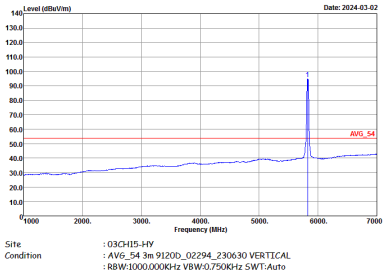
Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

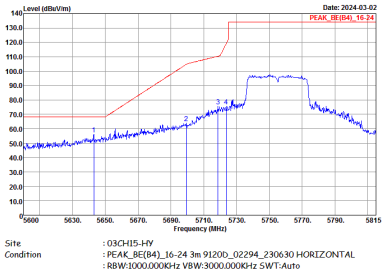
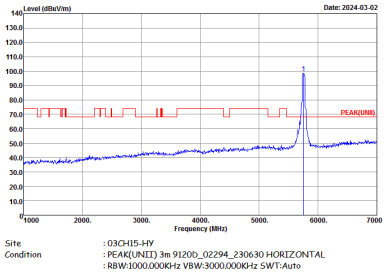
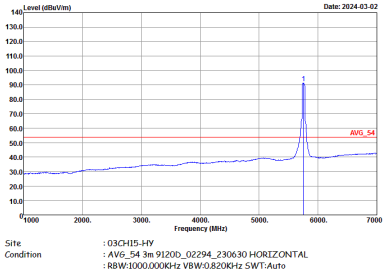
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

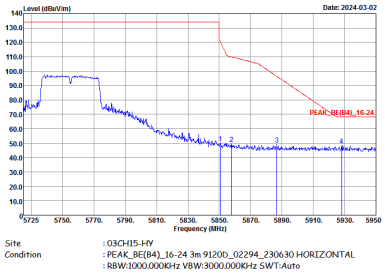
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

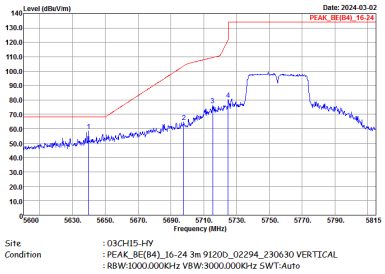
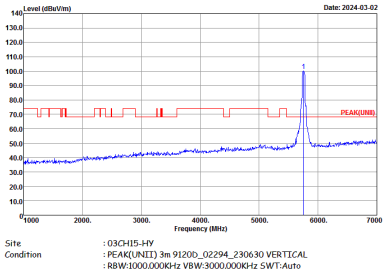
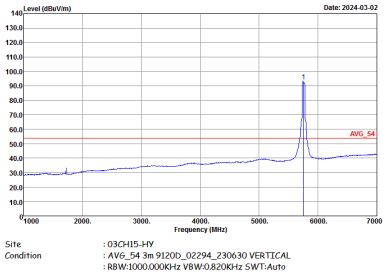
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

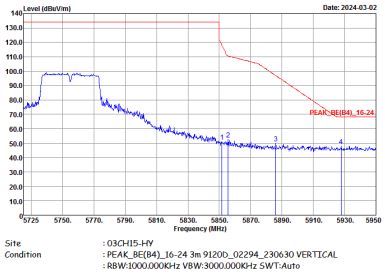
Band 4 5725~5850MHz

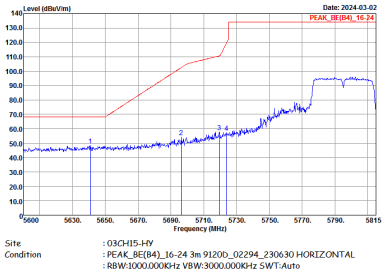
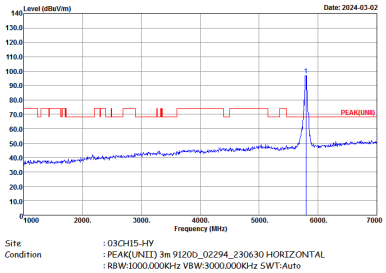
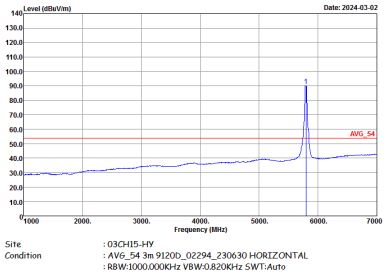
WIFI 802.11ac VHT40 (Band Edge @ 3m)

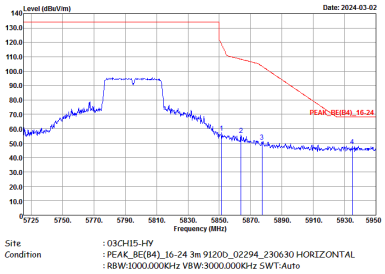
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

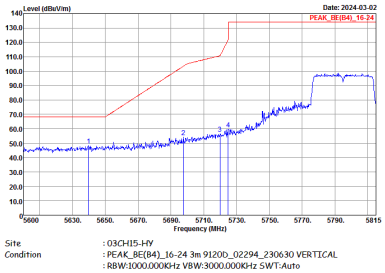
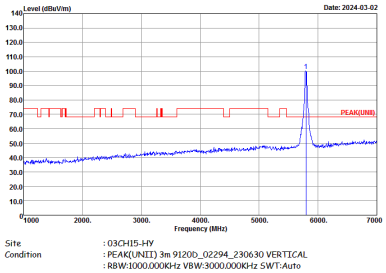
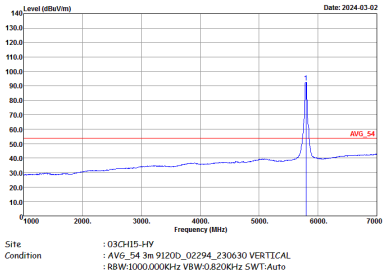
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
	Horizontal	Fundamental
Peak		Left blank

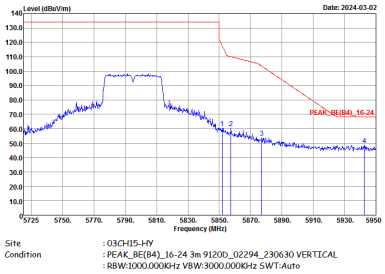
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
	Vertical	Fundamental
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

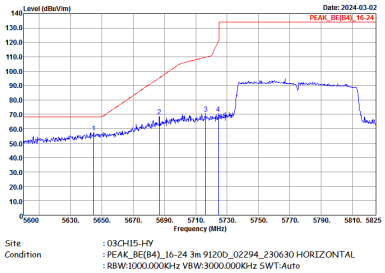
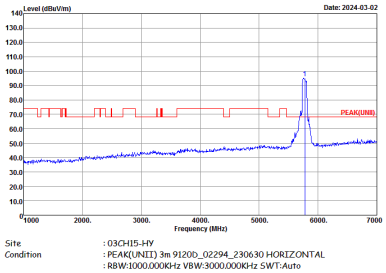
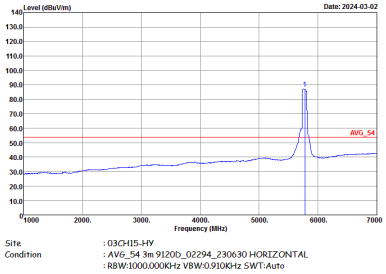
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
	Horizontal	Fundamental
Peak		Left blank

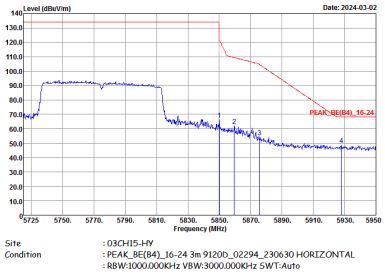
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

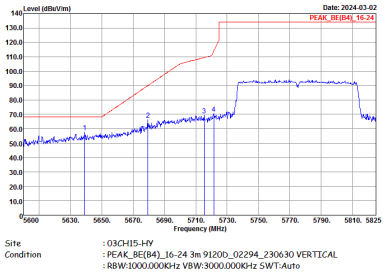
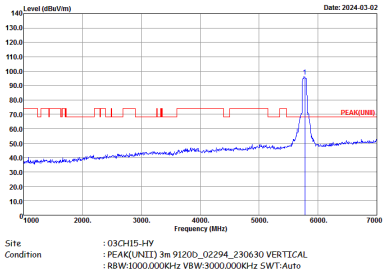
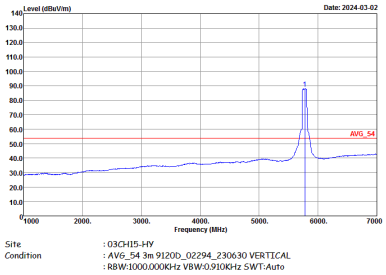
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
	Vertical	Fundamental
Peak		Left blank

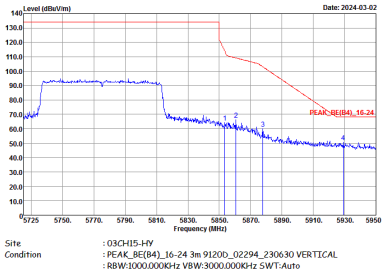
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

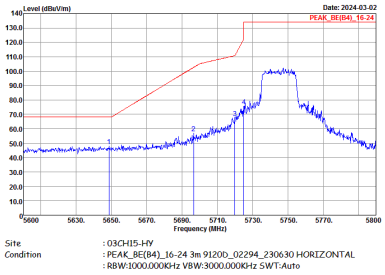
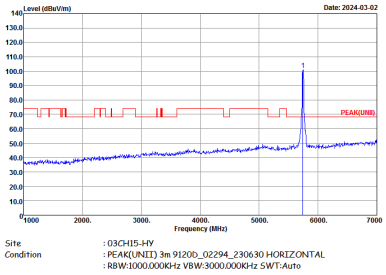
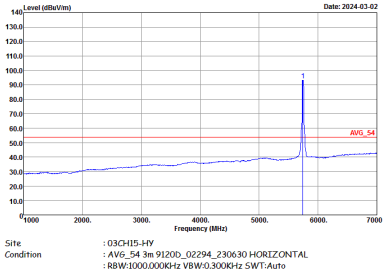
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
	Horizontal	Fundamental
Peak		Left blank

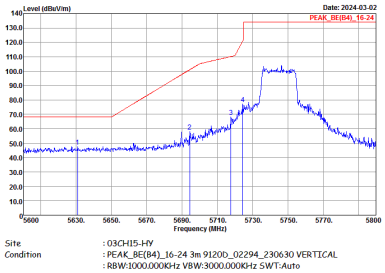
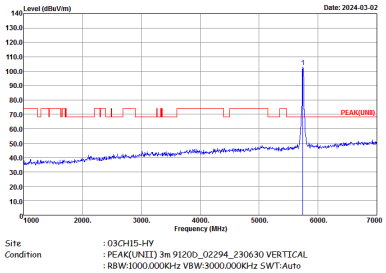
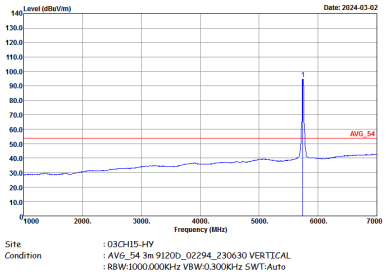
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

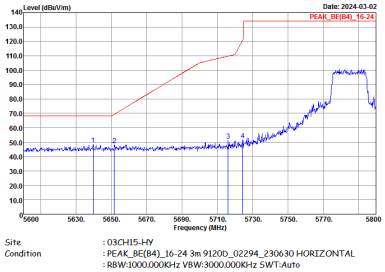
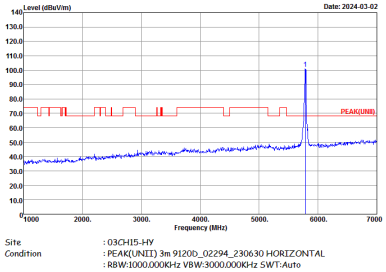
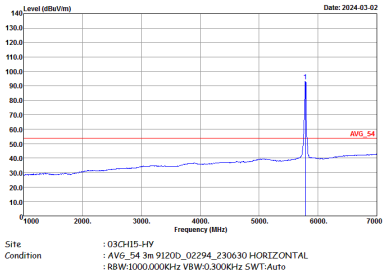
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
	Vertical	Fundamental
Peak		Left blank

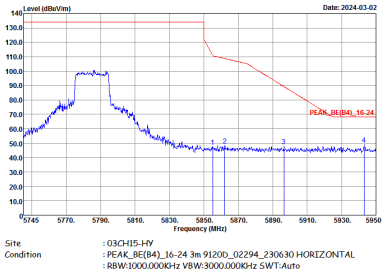
Band 4 - 5725~5850MHz

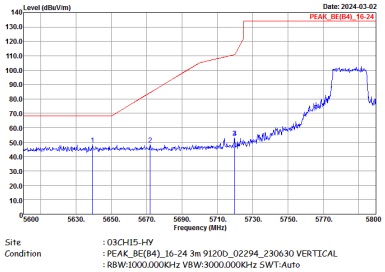
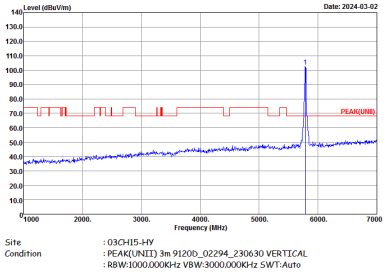
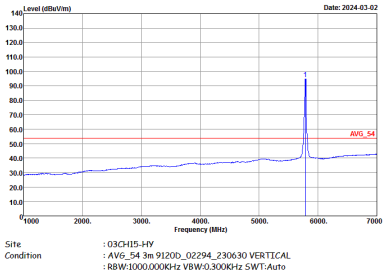
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

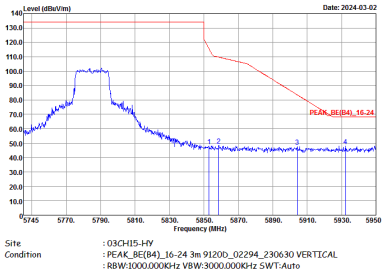
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

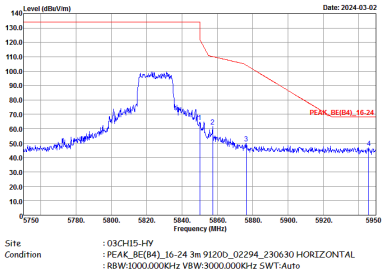
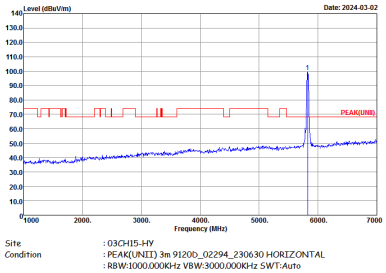
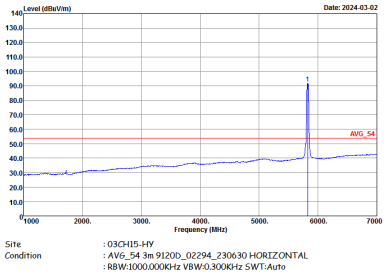
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

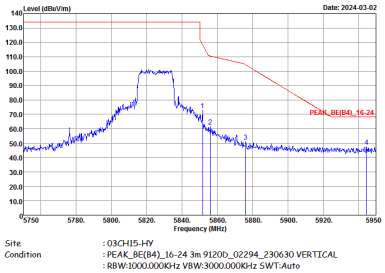
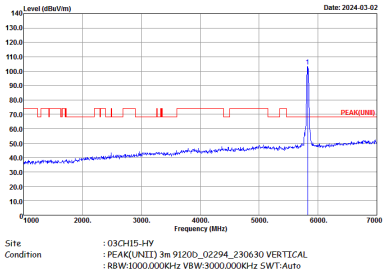
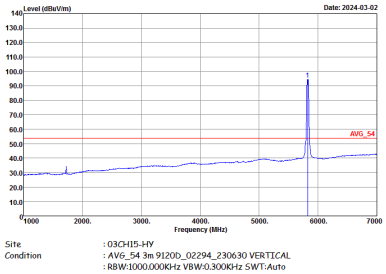
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

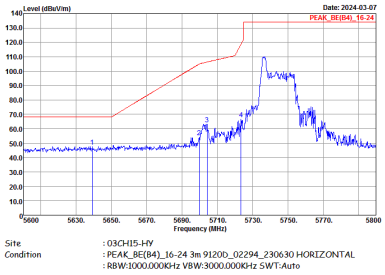
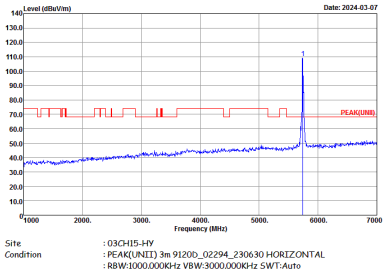
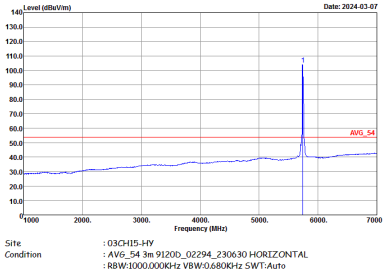
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
	Vertical	Fundamental
Peak		Left blank

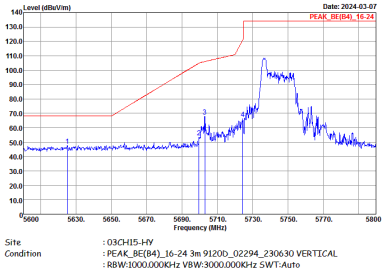
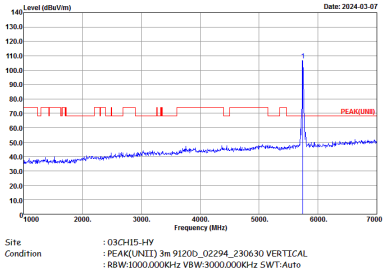
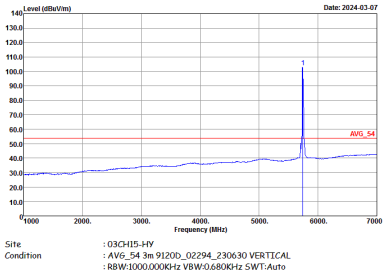
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

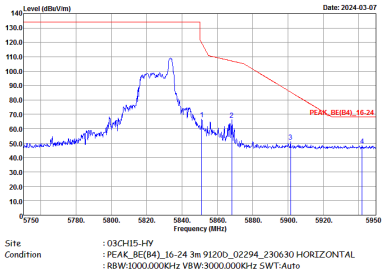
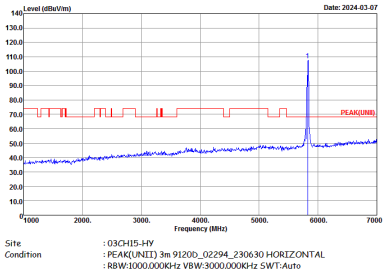
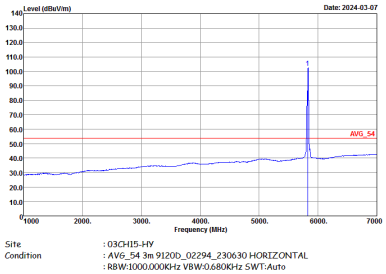
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

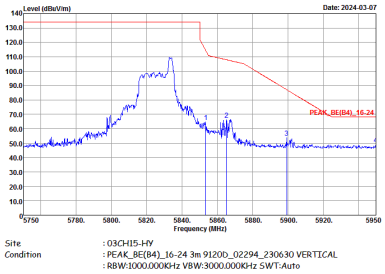
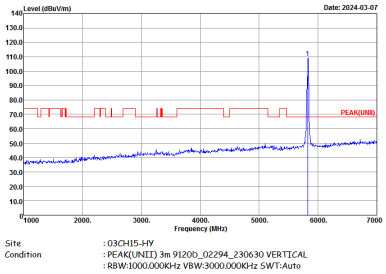
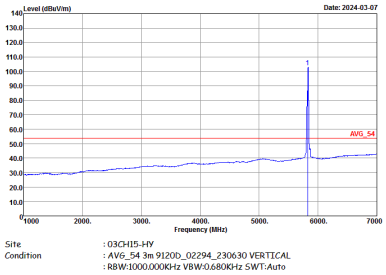
Band 4 5725~5850MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

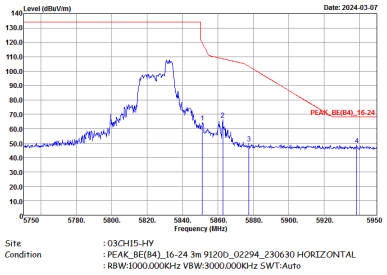
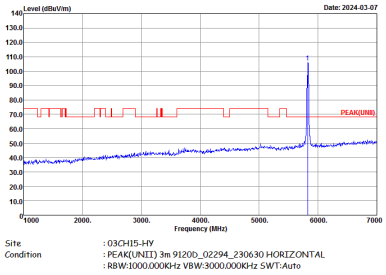
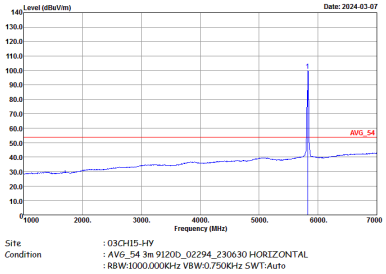
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

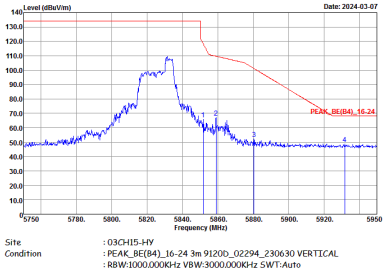
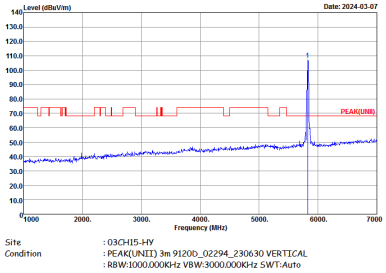
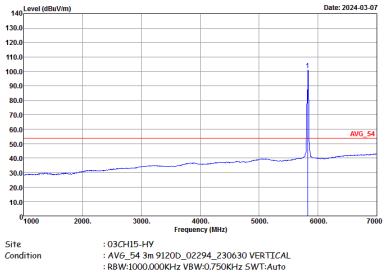
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

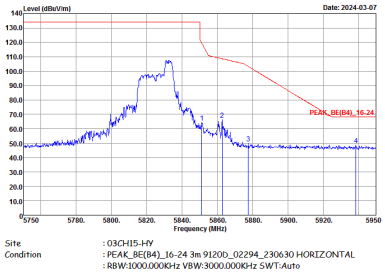
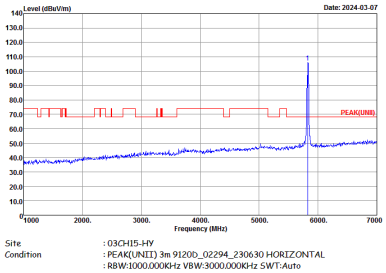
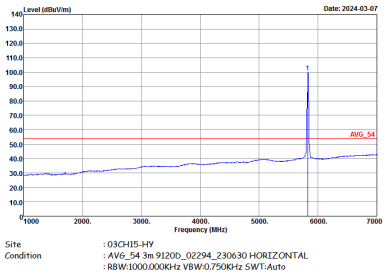
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

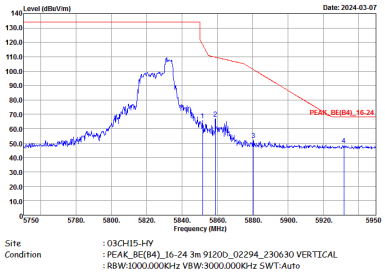
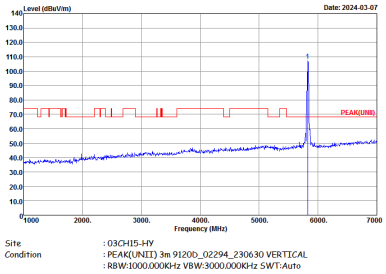
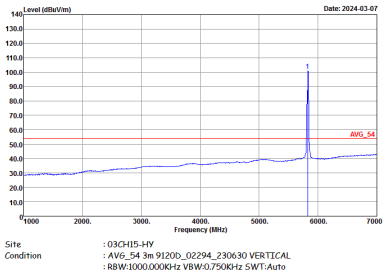
Band 4 5725~5850MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

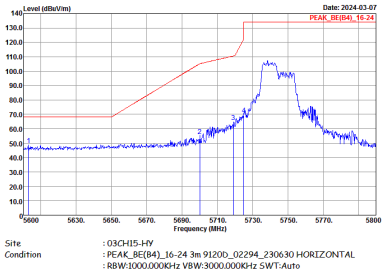
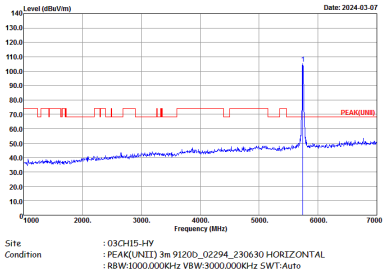
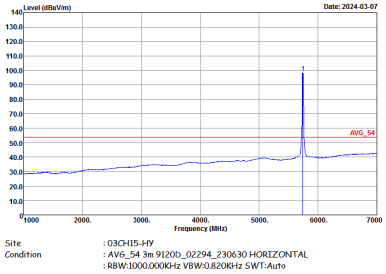
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

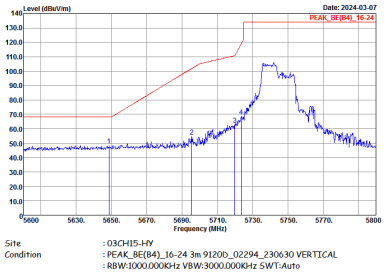
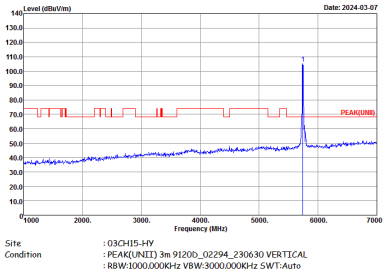
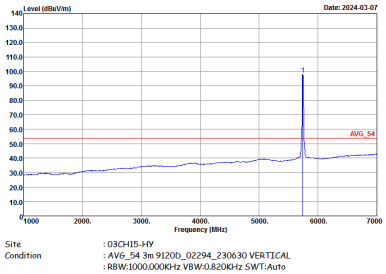
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

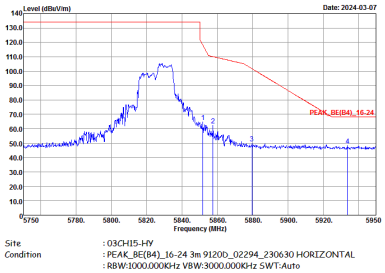
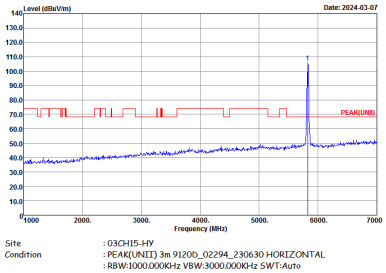
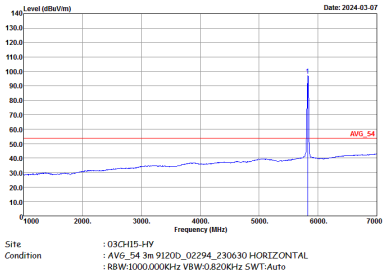
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

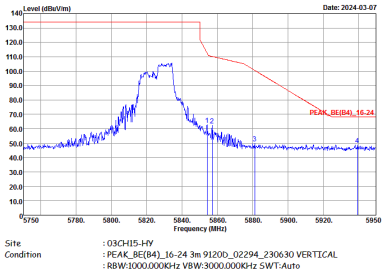
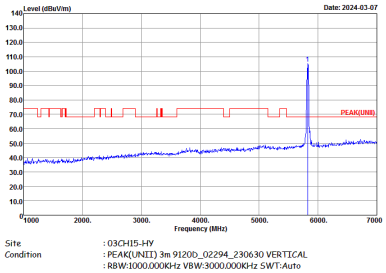
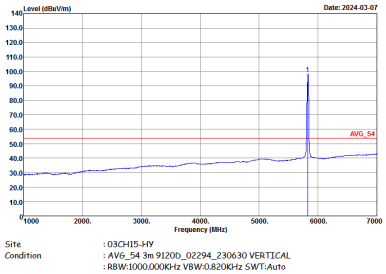
Band 4 5725~5850MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

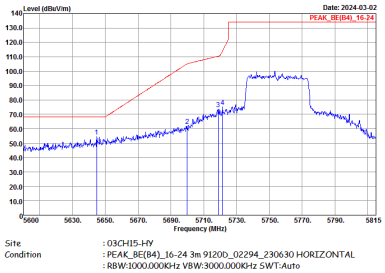
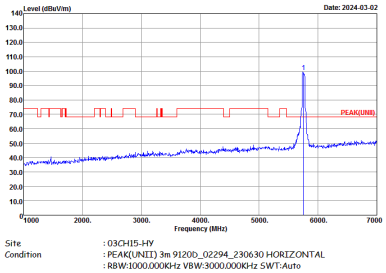
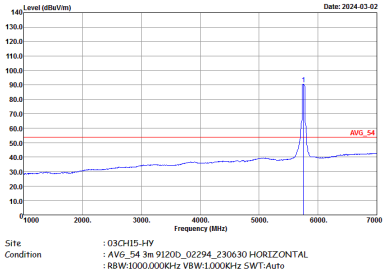
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

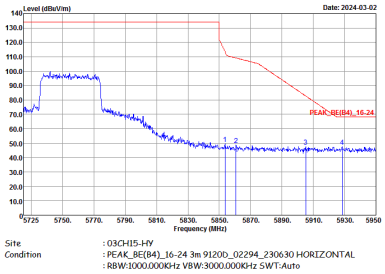
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

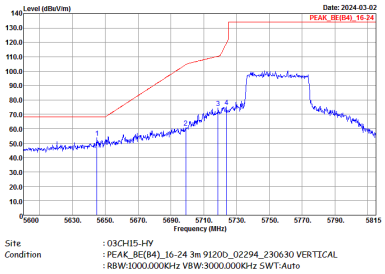
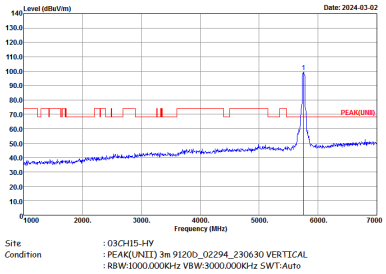
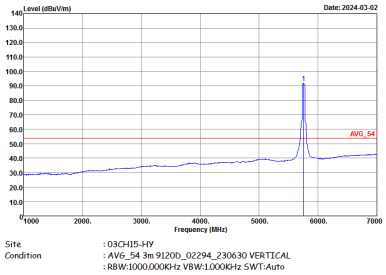
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

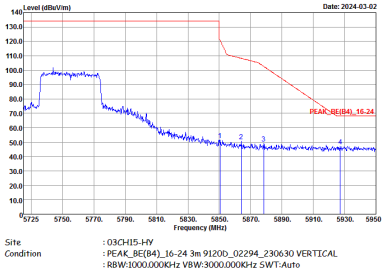
Band 4 5725~5850MHz

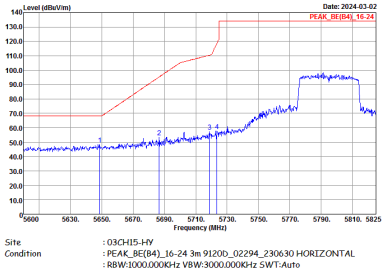
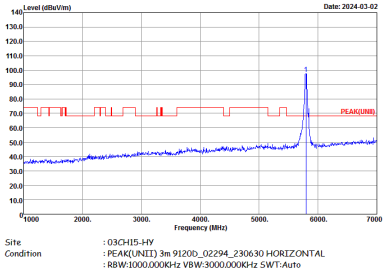
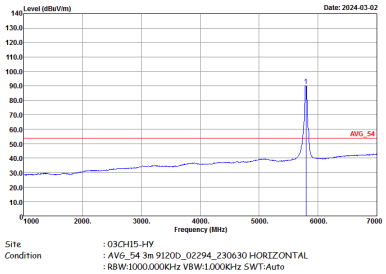
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

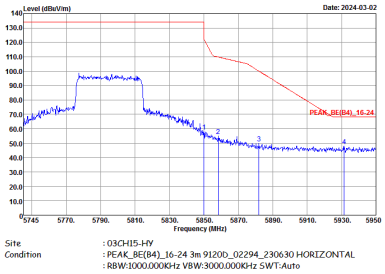
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

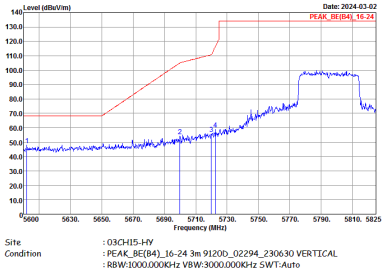
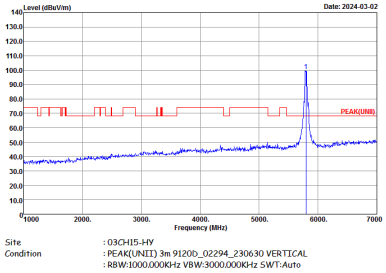
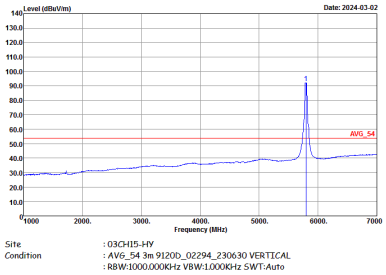
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
	Horizontal	Fundamental
Peak		Left blank

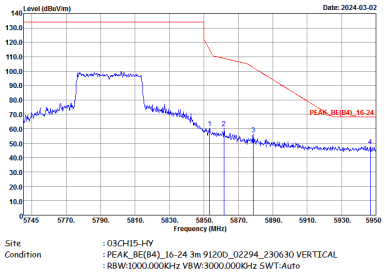
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
	Vertical	Fundamental
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

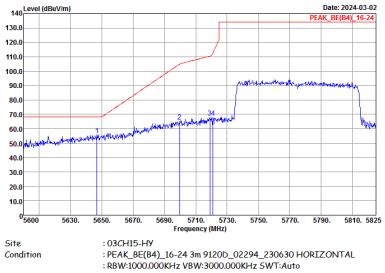
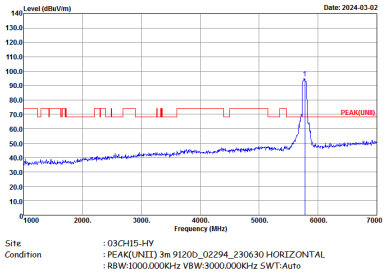
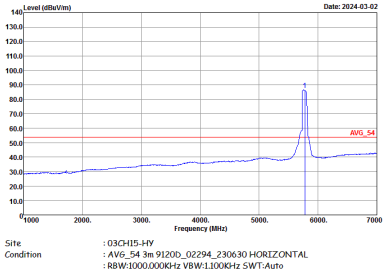
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full HT40 CH159 5795MHz	
	Horizontal	Fundamental
Peak		Left blank

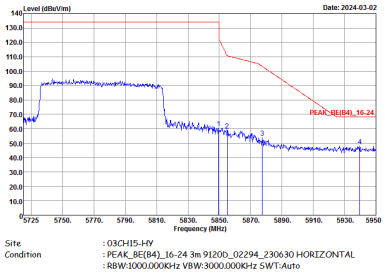
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

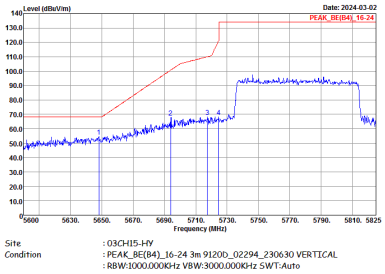
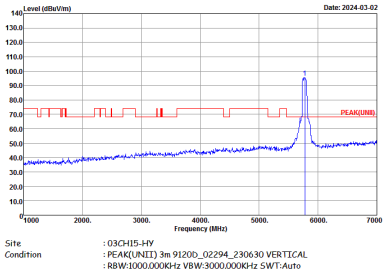
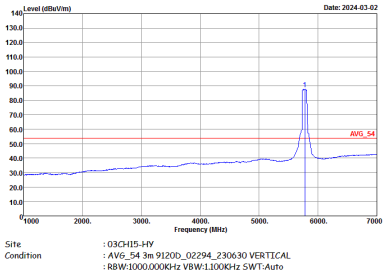
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
	Vertical	Fundamental
Peak		Left blank

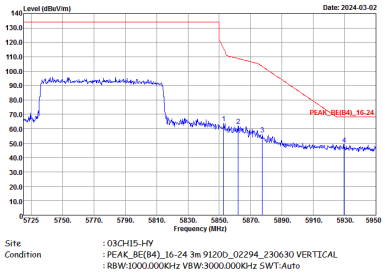
Band 4 5725~5850MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
	Horizontal	Fundamental
Peak		
Avg	Left blank	

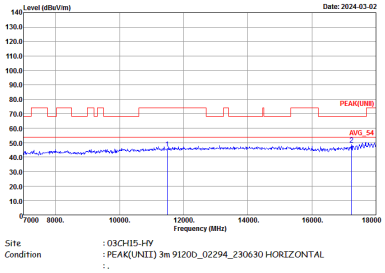
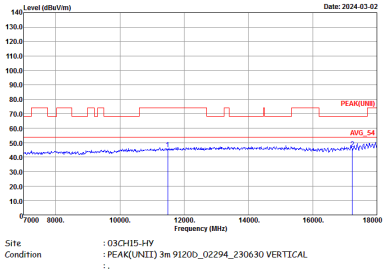
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
	Horizontal	Fundamental
Peak		Left blank

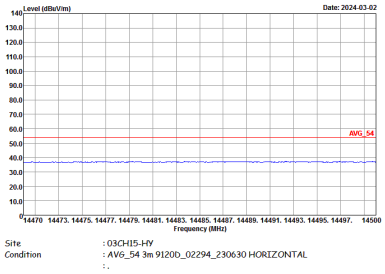
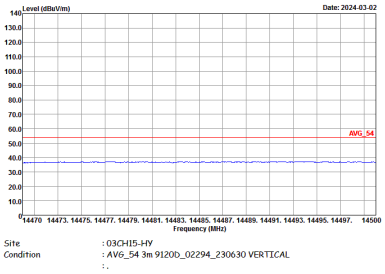
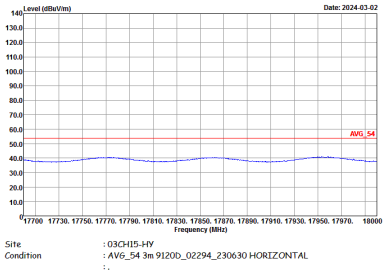
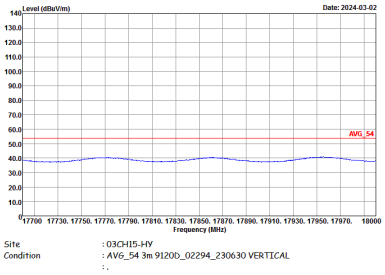
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
	Vertical	Fundamental
Peak		
Avg	Left blank	

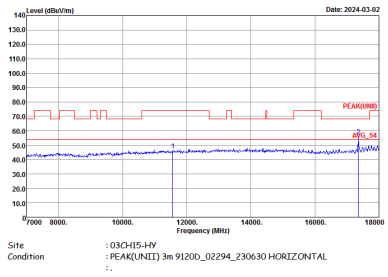
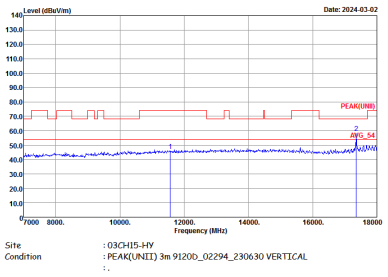
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH155 5775MHz	
	Vertical	Fundamental
Peak		Left blank

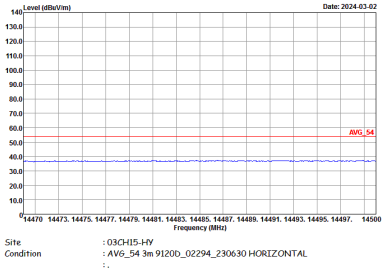
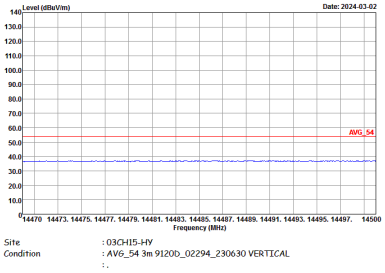
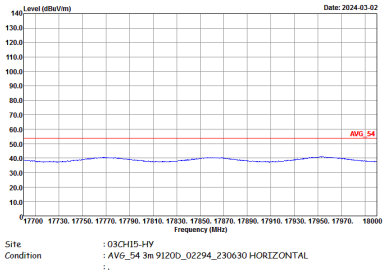
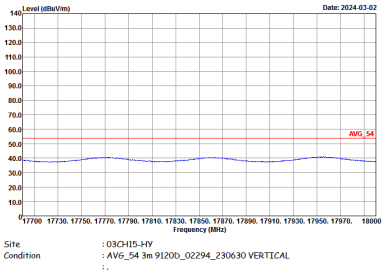
Band 4 - 5725~5850MHz

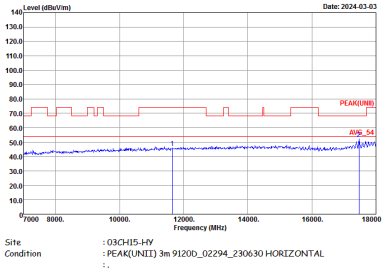
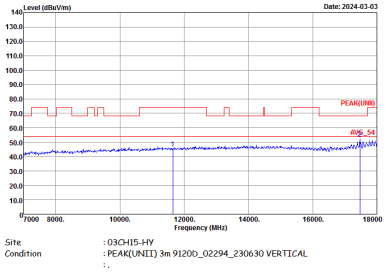
WIFI 802.11a (Harmonic @ 3m)

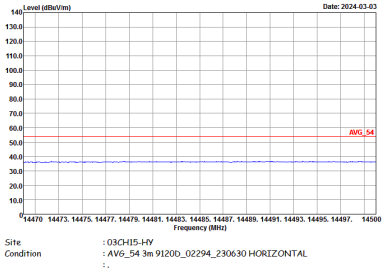
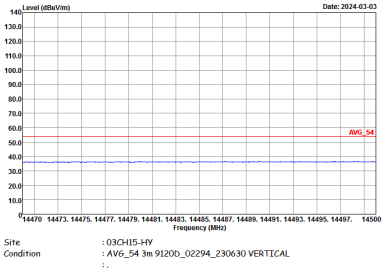
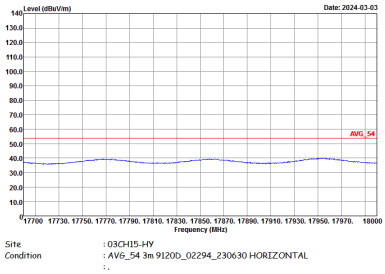
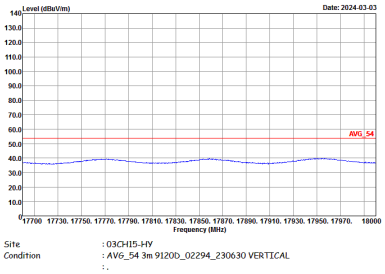
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
	Horizontal	Vertical
Peak		
Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
	Horizontal	Vertical
Peak Avg.		

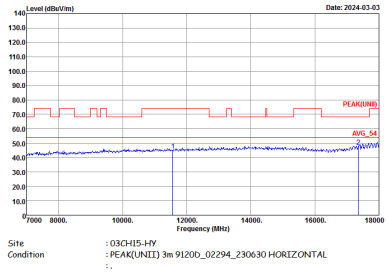
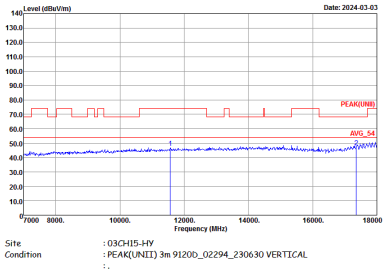
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
	Horizontal	Vertical
Peak		
Avg.		

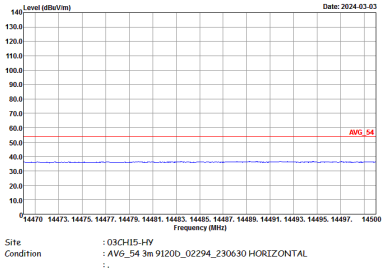
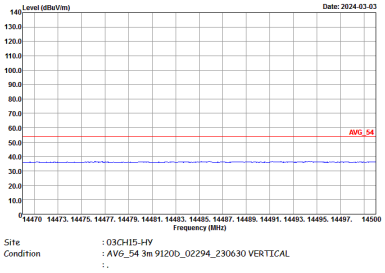
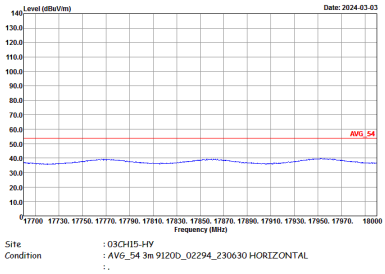
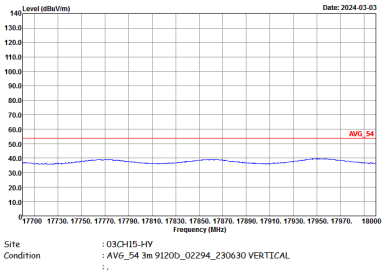
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
	Horizontal	Vertical
Peak		
Avg.		

Band 4 5725~5850MHz

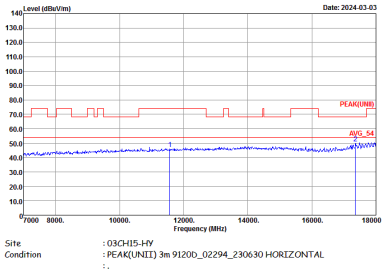
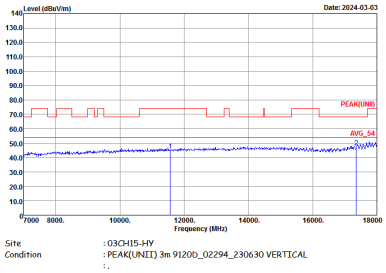
WIFI 802.11n HT20 (Harmonic @ 3m)

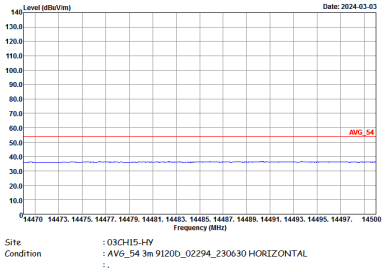
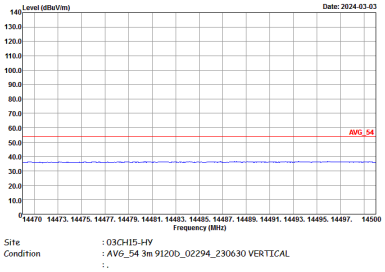
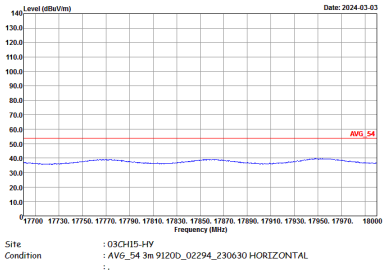
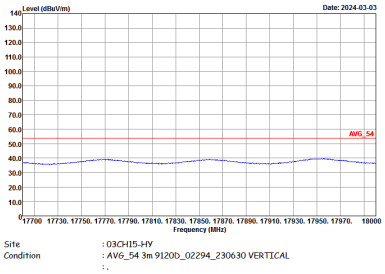
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
	Horizontal	Vertical
Peak		
Avg.		

Band 4 5725~5850MHz

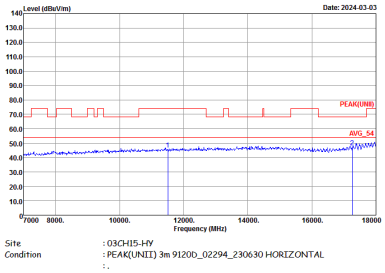
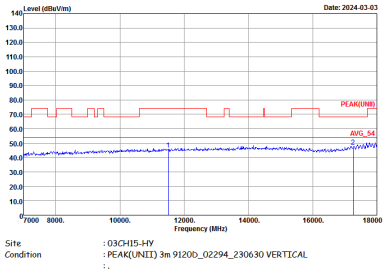
WIFI 802.11ac VHT20 (Harmonic @ 3m)

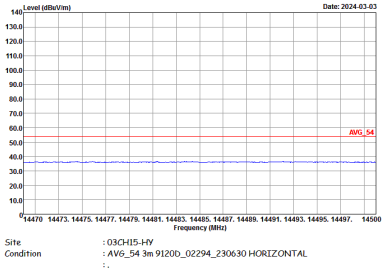
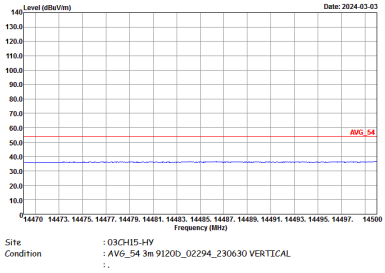
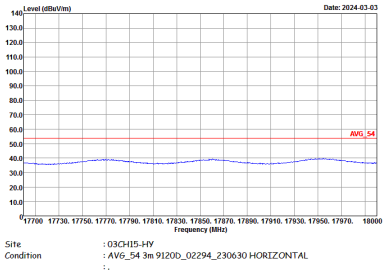
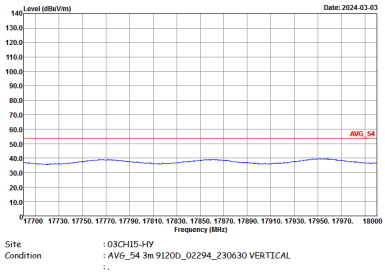
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
	Horizontal	Vertical
Peak Avg.		

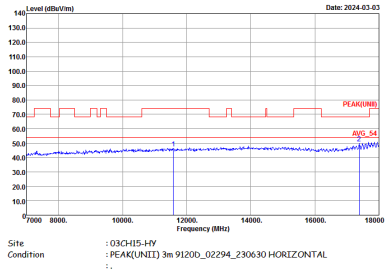
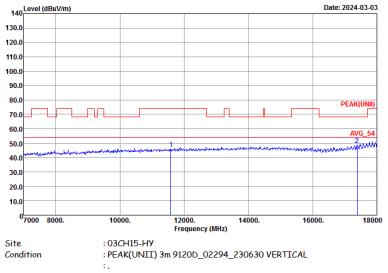
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
	Horizontal	Vertical
Peak		
Avg.		

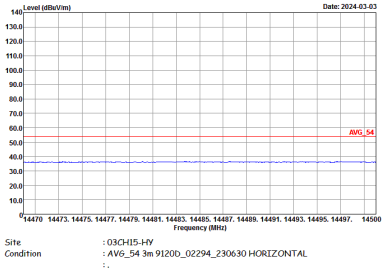
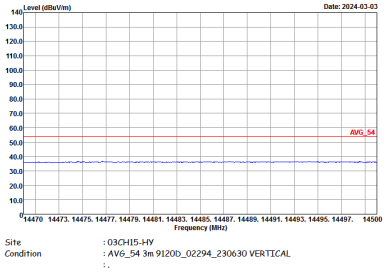
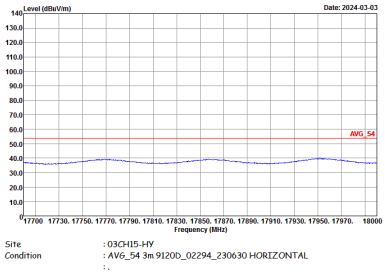
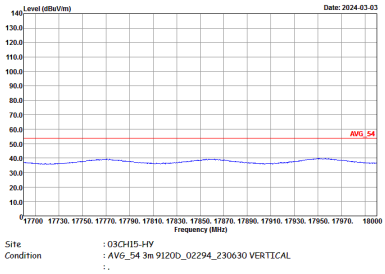
Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
	Horizontal	Vertical
Peak Avg.		

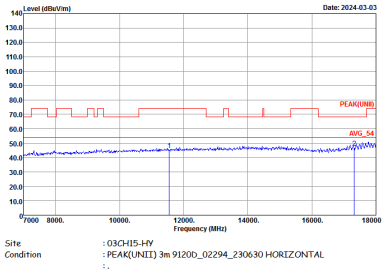
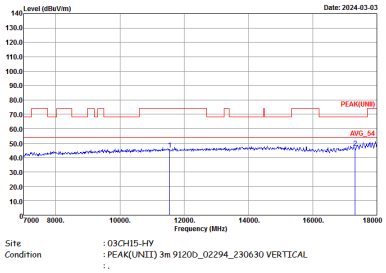
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
	Horizontal	Vertical
Peak		
Avg.		

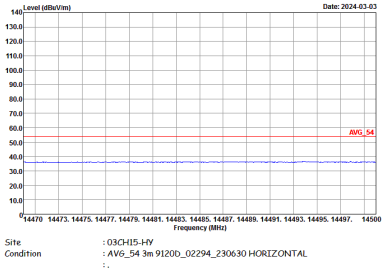
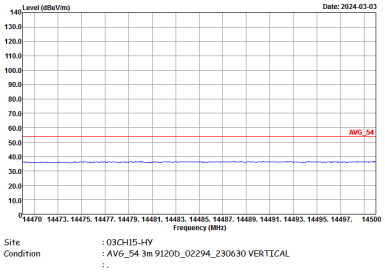
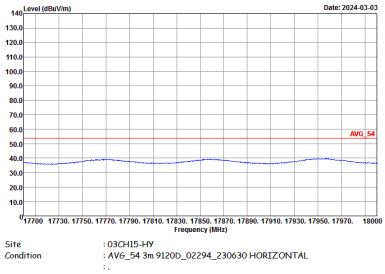
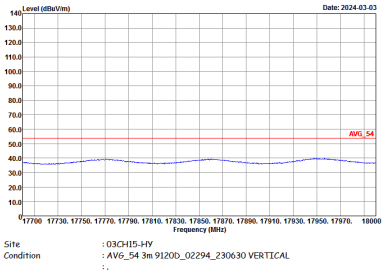
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
	Horizontal	Vertical
Peak		
Avg.		

Band 4 5725~5850MHz

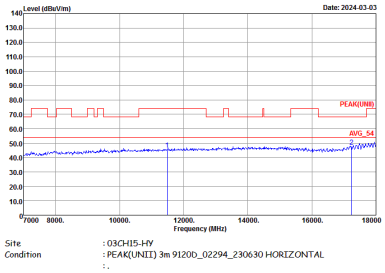
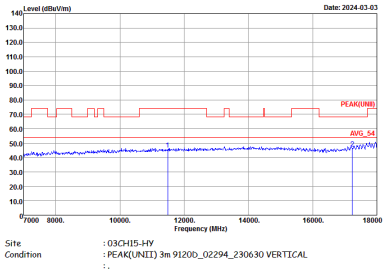
WIFI 802.11ac VHT80 (Harmonic @ 3m)

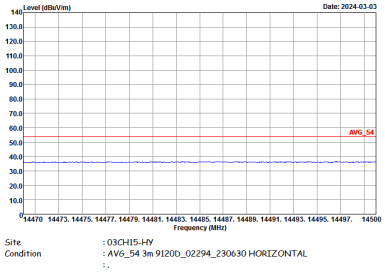
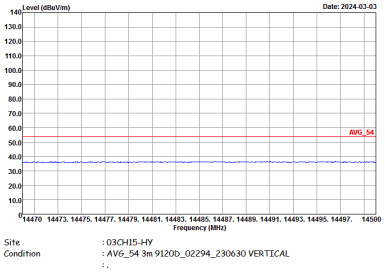
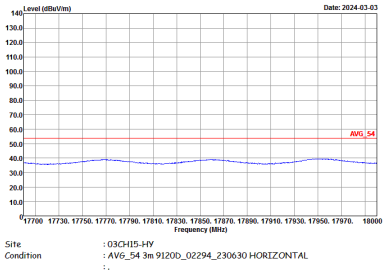
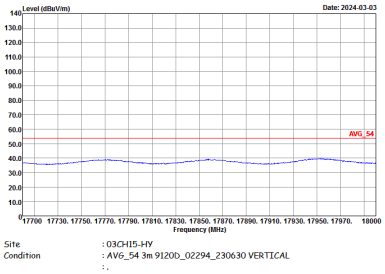
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
	Horizontal	Vertical
Peak Avg.		

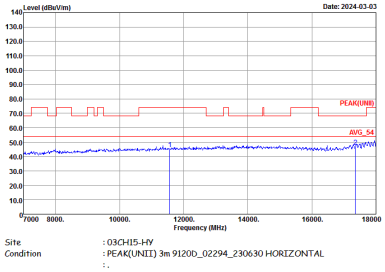
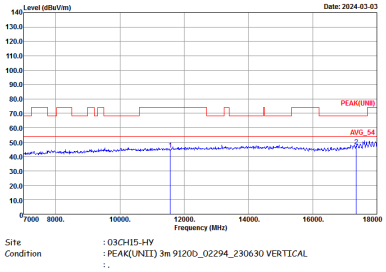
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
	Horizontal	Vertical
Peak		
Avg.		

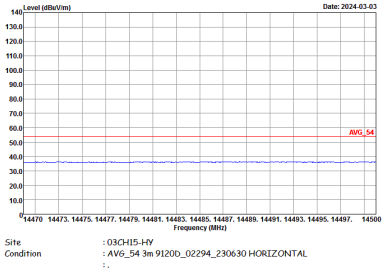
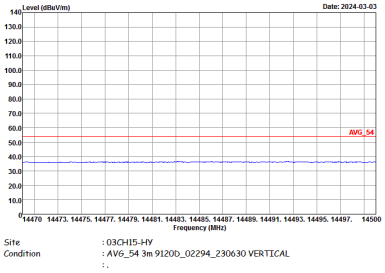
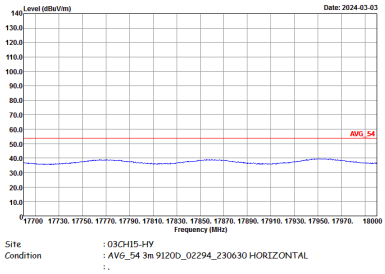
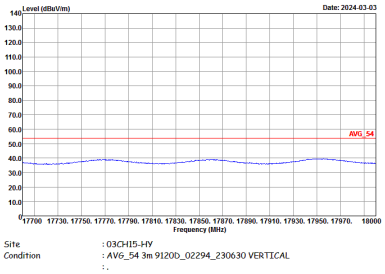
Band 4 - 5725~5850MHz

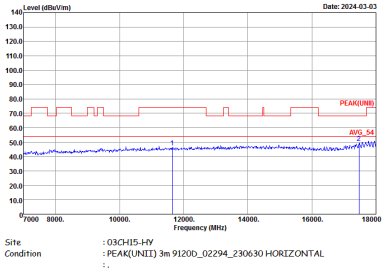
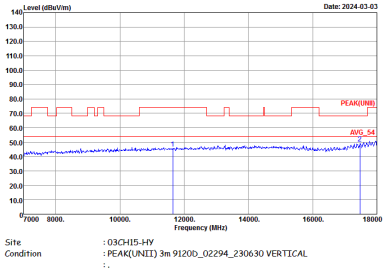
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

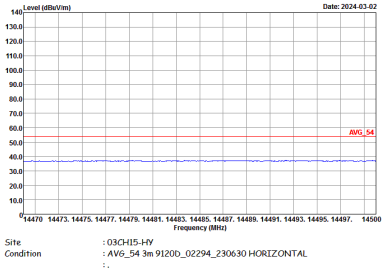
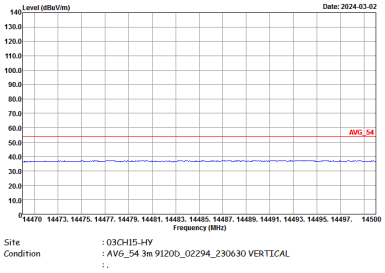
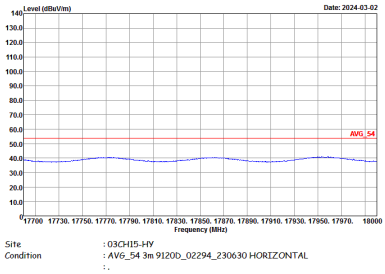
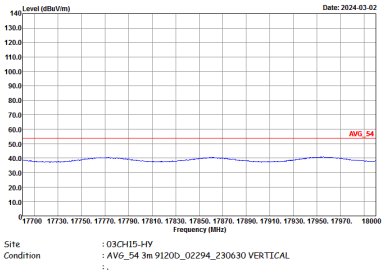
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 5745MHz	
	Horizontal	Vertical
Peak		
Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
	Horizontal	Vertical
Peak Avg.		

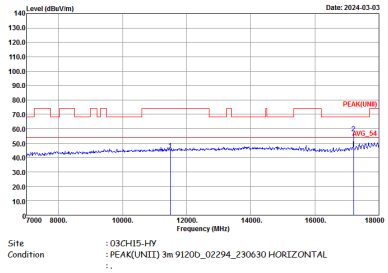
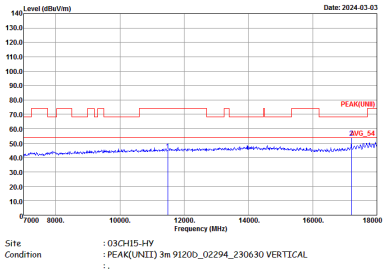
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH157 5785MHz	
	Horizontal	Vertical
Peak		
Avg.		

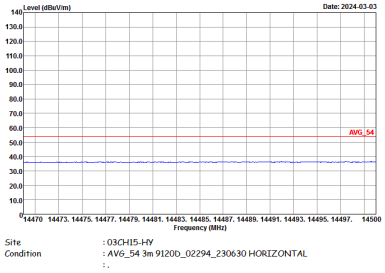
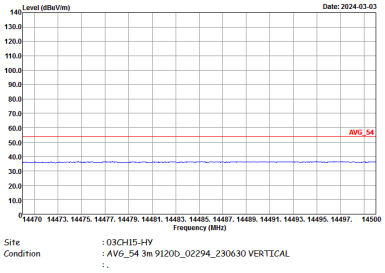
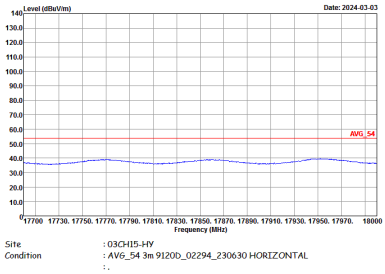
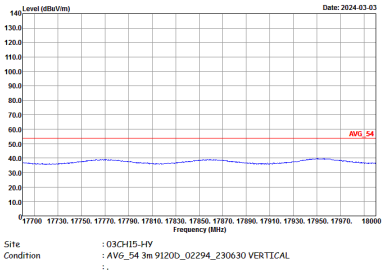
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
	Horizontal	Vertical
Peak Avg.		

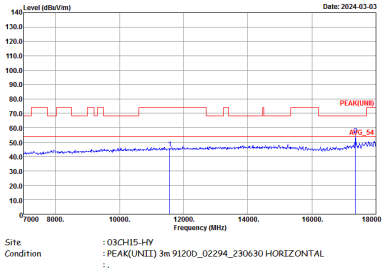
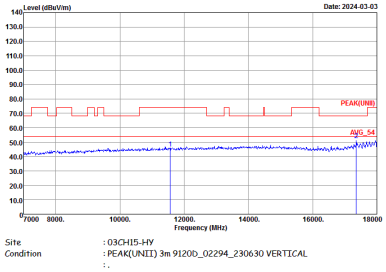
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH165 5825MHz	
	Horizontal	Vertical
Peak		
Avg.		

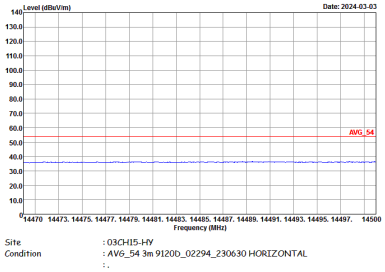
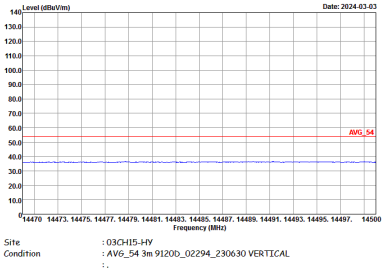
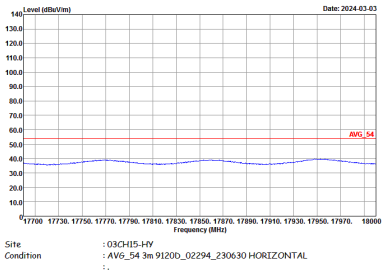
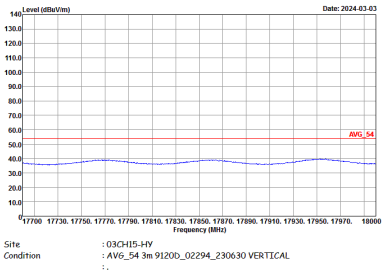
Band 4 5725~5850MHz

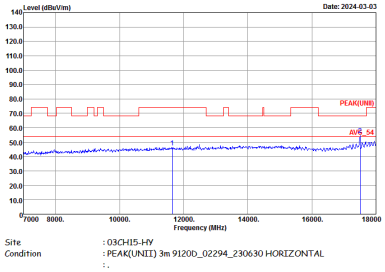
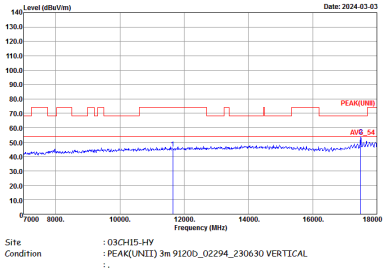
WIFI 802.11ax HE20 Partial 26 (Harmonic @ 3m)

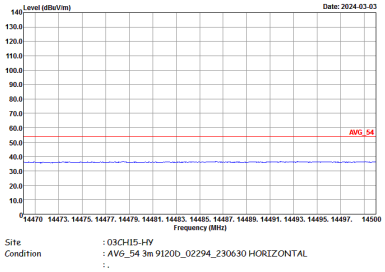
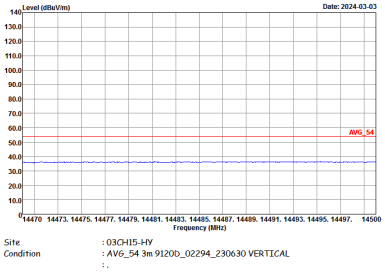
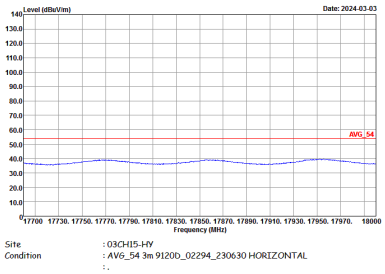
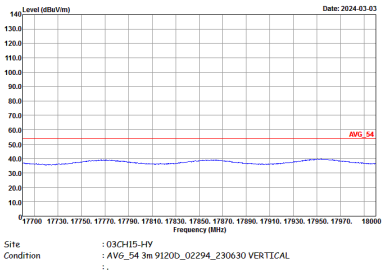
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
	Horizontal	Vertical
Peak		
Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
	Horizontal	Vertical
Peak Avg.		

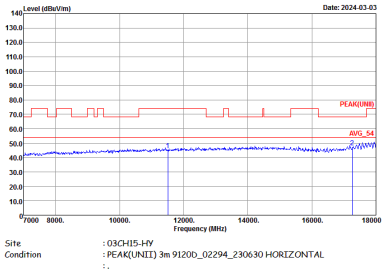
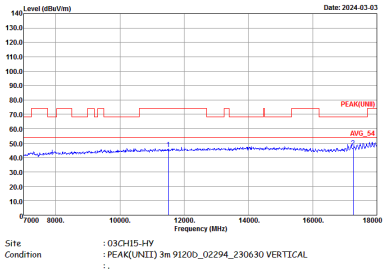
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
	Horizontal	Vertical
Peak		
Avg.		

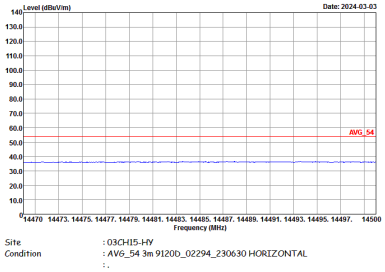
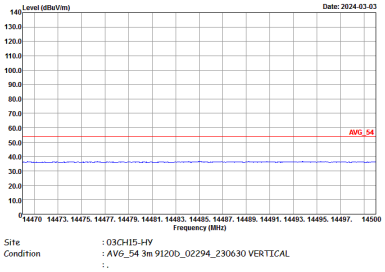
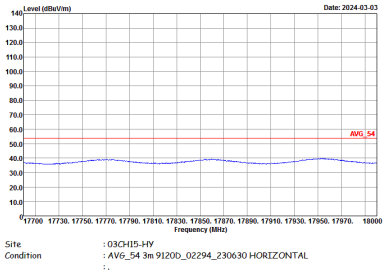
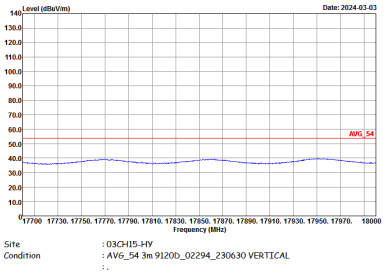
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
	Horizontal	Vertical
Peak Avg.		

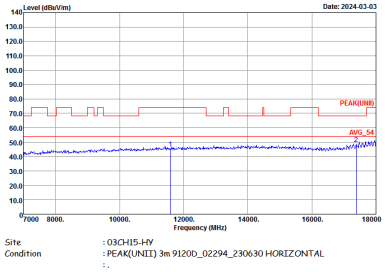
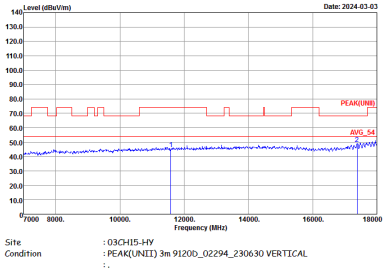
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
	Horizontal	Vertical
Peak		
Avg.		

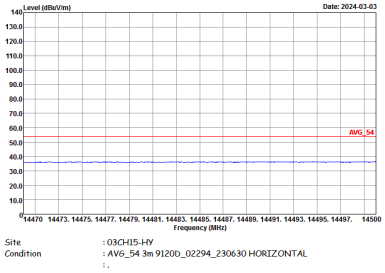
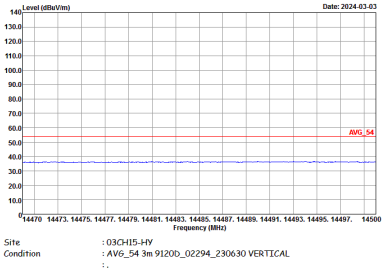
Band 4 5725~5850MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH151 5755MHz	
	Horizontal	Vertical
Peak		
Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH159 5795MHz	
	Horizontal	Vertical
Peak		
Avg.