FCC RADIO TEST REPORT

FCC ID	:	Z64-CC33DBMOD
Equipment	:	802.11 a/b/g/n/ac/ax WLAN + BLE Radio Module
Brand Name	:	Texas Instruments
Model Name	:	CC33MOD-DB
Applicant	:	Texas Instruments Incorporated 12500 TI BLVD., Dallas, Texas, 75243
Manufacturer	:	Texas Instruments Incorporated 12500 TI BLVD., Dallas, Texas, 75243
Standard	:	FCC Part 15 Subpart E §15.407

The product was received on May 05, 2025 and testing was performed from May 12, 2025 to Jun. 20, 2025. 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
FR550509D	01	Initial issue of report	Jul. 04, 2025
FR550509D	02	Revised Product Feature of Equipment Under Test This report is an updated version, replacing the report issued on Jul. 04, 2025	Jul. 14, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	-
3.5	15.207	AC Conducted Emission	Pass	-
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

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

Report Producer: Josie Hsu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs Bluetooth - LE (125 kbps, 500 kbps, 1Mbps, 2Mbps), Wi-Fi 2.4GHz 802.11b/g/n/ax, and Wi-Fi 5GHz 802.11a/n/ac/ax. **Antenna Type** WLAN: Chip Antenna

Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	4

Model Differences				
Model	**Test Grade**	**Wifi 2.4GHz**	**Wifi 5GHz**	**BT LE**
CC33MOD-DB	50	Yes	Yes	No
	51	Yes	Yes	Yes

Remark:

1. The device is identical in hardware; the only difference lies in the software.
2. 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, 03CH11-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.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	-	-	-	-
	153	5765	161	5805
	-	-	165	5825

2.2 Test Mode

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

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

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

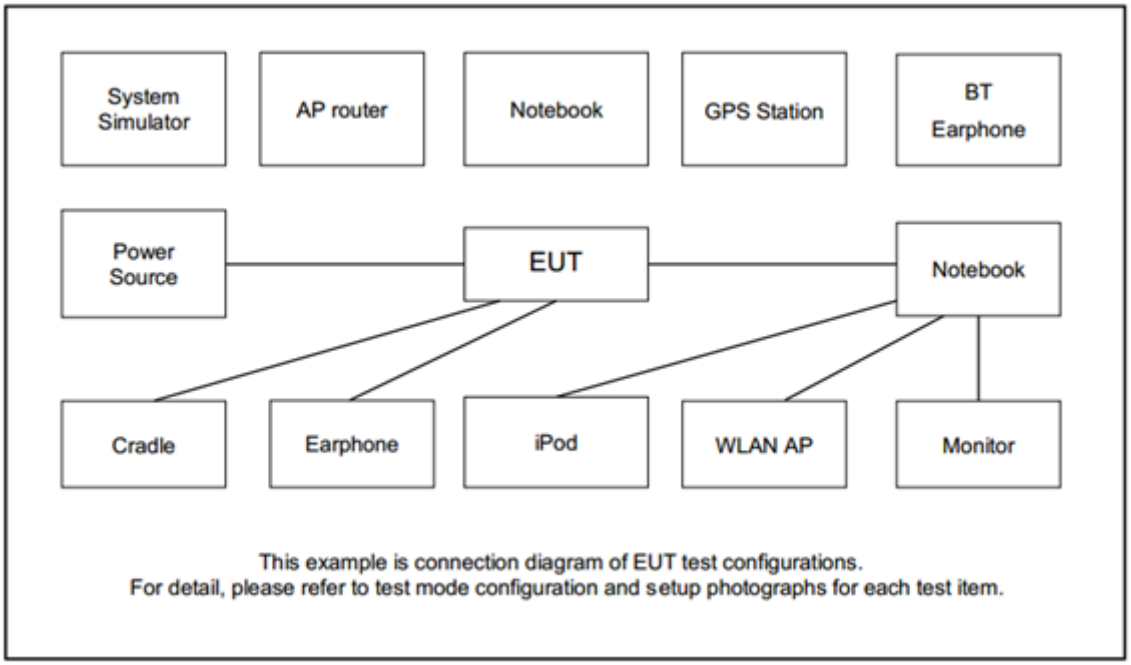
The final test modes include the worst data rates for each modulation shown in the table below.

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) TX + Development Kit with USB Cable (Charging from Notebook)

Remark:
1. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.
2. The detailed Radiated test modes are shown in Appendix E.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8 m
2.	Notebook	Lenovo	81DE	FCC DoC	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude 3400	N/A	N/A	AC I/P：Unshielded, 1.2 m DC O/P：Shielded, 1.8 m
4.	Development Kit	TI	LP-XDS110ET	N/A	N/A	N/A
5.	USB HD	WD	WDBAAR3200ABK-PESN	FCC DoC	Shielded, 0.5m	N/A
6.	USB 3.0 to Gigabit Ethernet Network Adapter	TP-Link	UE300	FCC DoC	N/A	N/A
7.	USB-C to USB-A Cable	a+ plus	ACB-U31A	N/A	Shielded, 1.2m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “SimpleLink Wi-Fi Toolbox 2.4.1.eng-swt” 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.

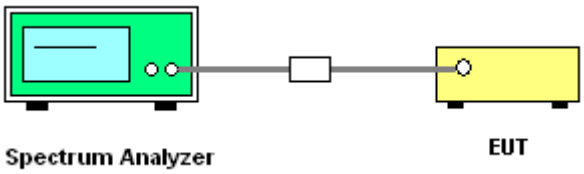
3.1.2 Measuring Instruments

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
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.
9. For 6dB Bandwidth Measurement
   (1) The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
   (2) Section C) Emission bandwidth for the band 5.725-5.85 GHz
   (3) Set RBW = 100 kHz.
   (4) Set the VBW ≥ 3 x RBW.
   (5) Detector = Peak.
   (6) Trace mode = max hold
   (7) Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
   (8) 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.

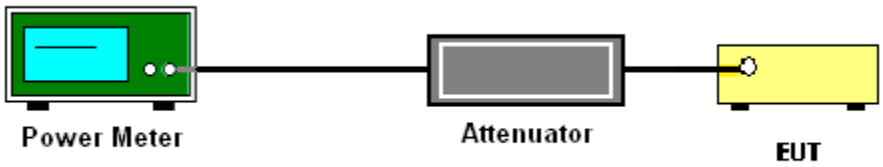
3.2.3 Test Procedures

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.

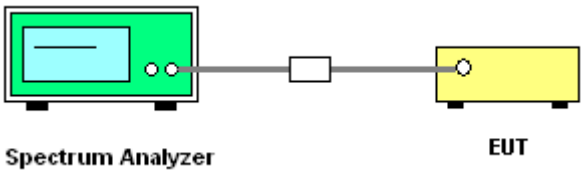
 # Method SA-2 #

(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

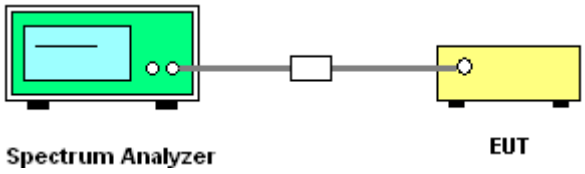
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

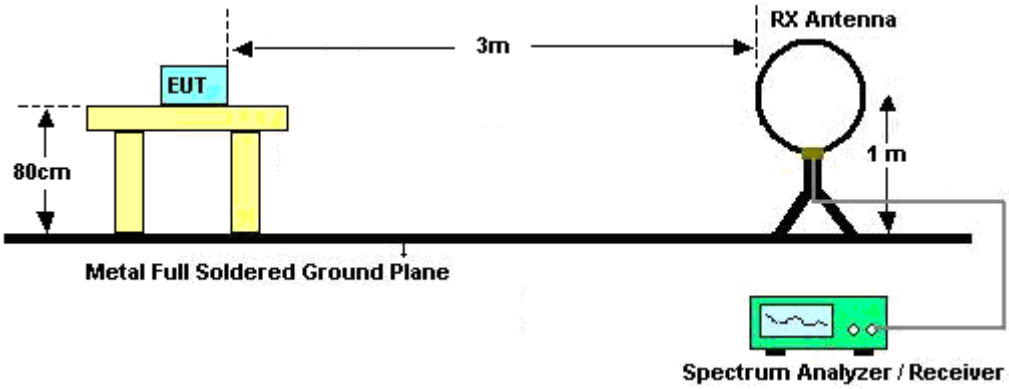
2. Measure the conducted output power (in dBm) using the peak detector.
3. Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP.
4. Add the appropriate maximum ground reflection factor to the EIRP (6 dB for frequencies ≤ 30 MHz; 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive; and 0 dB for frequencies > 1000 MHz).
5. Convert the resultant EIRP to an equivalent electric field strength using the following relationship:
   E = EIRP − 20 log d + 104.8,
   where
   E is the electric field strength in dBμV/m
   EIRP is the equivalent isotropically radiated power in dBm
   d is the specified measurement distance in 3m
6. Compare the resultant electric field strength level with the applicable regulatory limit.
7. Corrected Reading for conducted spurious emission: Antenna Factor + Cable Loss + Read Level = Level
8. Perform the cabinet radiated spurious emission test.
9. 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.
10. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
11. 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.
12. 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.
13. 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 “-“.
14. 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

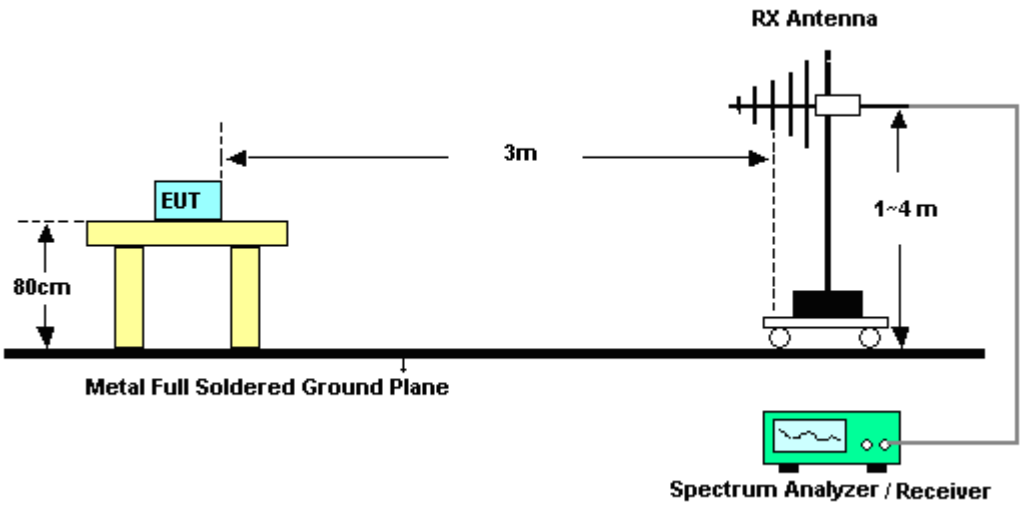
For Conducted Measurement Setup:



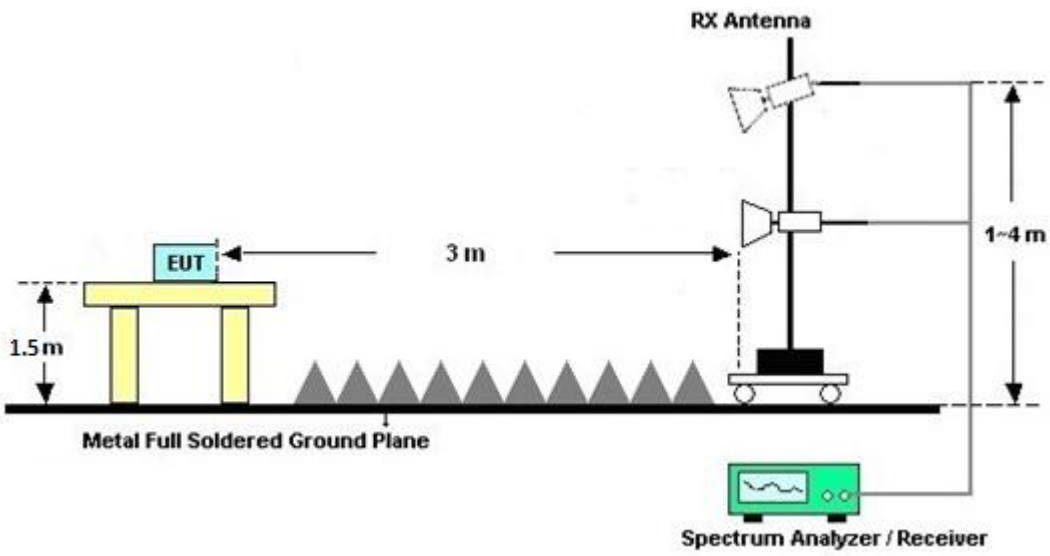
For radiated emissions below 30MHz



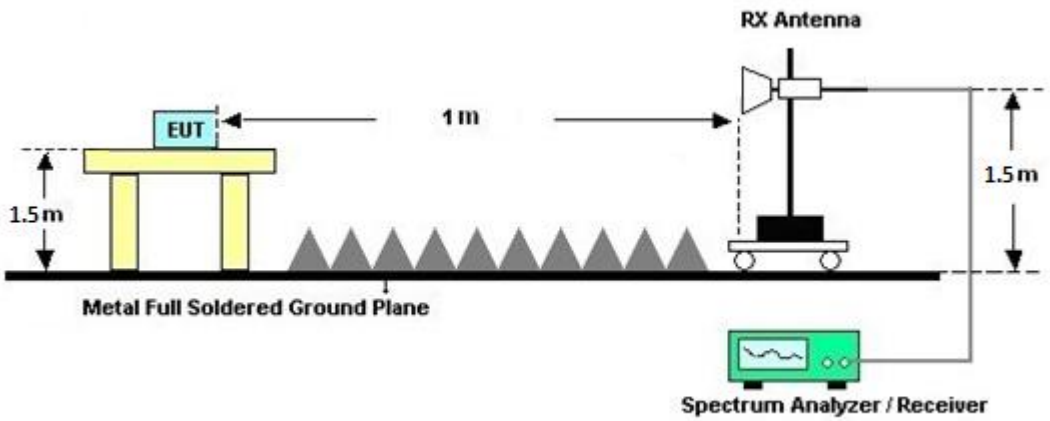
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.4.5 Test Results of Radiated Spurious 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 comes out very similar.

3.4.6 Test Result of Conduced Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Test Result of Conduced Spurious Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.4.8 Test Result of Cabinet Radiated Spurious at Band Edges

Please refer to Appendix E.

3.4.9 Test Result of Cabinet Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix E.

3.4.10 Duty Cycle

Please refer to Appendix F.

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.

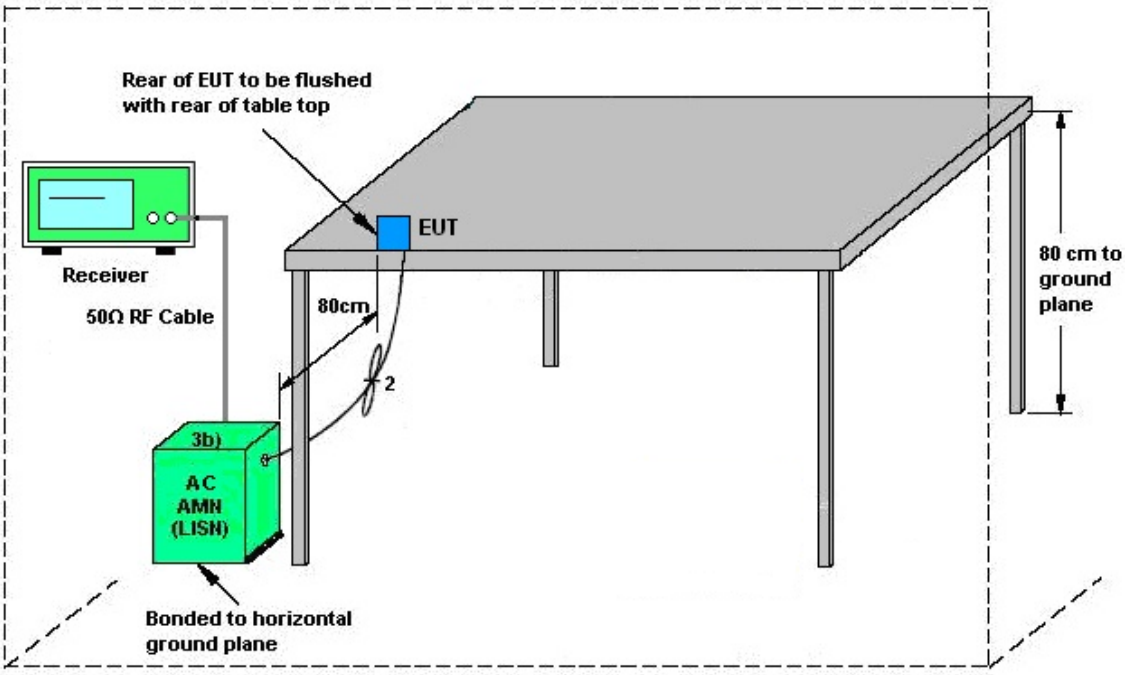
3.5.2 Measuring Instruments

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

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.6.2 Antenna Anti-Replacement Construction

Antenna permanently attached.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 27, 2024	May 24, 2025~ Jun. 20, 2025	Nov. 26, 2025	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 18, 2024	May 24, 2025~ Jun. 20, 2025	Dec. 17, 2025	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Aug. 28, 2024	May 24, 2025~ Jun. 20, 2025	Aug. 27, 2025	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1223	18GHz~40GHz	Jun. 24, 2024	May 24, 2025~ Jun. 20, 2025	Jun. 23, 2025	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 07, 2024	May 24, 2025~ Jun. 20, 2025	Dec. 06, 2025	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Mar. 24, 2025	May 24, 2025~ Jun. 20, 2025	Mar. 23, 2026	Radiation (03CH11-HY)
Preamplifier	E-INSTRUME NT TECH LTD.	ERA-100M-18 G-56-01-A70	EC1900249	1GHz~18GHz	Jan. 21, 2025	May 24, 2025~ Jun. 20, 2025	Jan. 20, 2026	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 23, 2024	May 24, 2025~ Jun. 20, 2025	Aug. 22 2025	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 14, 2024	May 24, 2025~ Jun. 20, 2025	Oct. 13, 2025	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	20MHz~8.4GHz	Jul. 19, 2024	May 24, 2025~ Jun. 20, 2025	Jul. 18, 2025	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	May 24, 2025~ Jun. 20, 2025	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	May 24, 2025~ Jun. 20, 2025	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	May 24, 2025~ Jun. 20, 2025	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	May 24, 2025~ Jun. 20, 2025	N/A	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP200880	N/A	Aug. 29, 2024	May 24, 2025~ Jun. 20, 2025	Aug. 28,2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804013/2	30M~40G	Mar. 05, 2025	May 24, 2025~ Jun. 20, 2025	Mar. 04, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 05, 2025	May 24, 2025~ Jun. 20, 2025	Mar. 04, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 05, 2025	May 24, 2025~ Jun. 20, 2025	Mar. 04, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	805139 2	30M~40G	May 10, 2025	May 24, 2025~ Jun. 20, 2025	May 09, 2026	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40SS	SN3	6.75GHz High Pass Filter	Sep. 10, 2024	May 24, 2025~ Jun. 20, 2025	Sep. 09, 2025	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN11	1.53GHz Low Pass Filter	Sep. 10, 2024	May 24, 2025~ Jun. 20, 2025	Sep. 09, 2025	Radiation (03CH11-HY)
Attenuator	HONOVA	5910 SMA-50-005	0028	N/A	Sep. 10, 2024	May 24, 2025~ Jun. 20, 2025	Sep. 09, 2025	Radiation (03CH11-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 01, 2024	May 12, 2025~ May 27, 2025	Oct. 31, 2025	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	13I00030SNO 31 (NO:182)	9kHz~6GHz	Jan. 09, 2025	May 12, 2025~ May 27, 2025	Jan. 08, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2024	May 12, 2025~ May 27, 2025	Aug. 22, 2025	Conducted (TH05-HY)
Switch Control Mainframe	E-Instrument	ETF-1405-0	EC1900157 (BOX6)	N/A	Feb. 10, 2025	May 12, 2025~ May 27, 2025	Feb. 09, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_ version_240513	N/A	Conducted Other Test Item	N/A	May 12, 2025~ May 27, 2025	N/A	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	May 22, 2025	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	May 22, 2025	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 23, 2024	May 22, 2025	Oct. 22, 2025	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 03, 2025	May 22, 2025	Mar. 02, 2026	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 24, 2025	May 22, 2025	Mar. 23, 2026	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 26, 2025	May 22, 2025	Mar. 25, 2026	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 23, 2024	May 22, 2025	Sep. 22, 2025	Conduction (CO07-HY)
Spectrum Analyzer	Keysight	N9010B	MY64320114	10Hz~44GHz	Oct. 05, 2024	May 16, 2025~ Jun. 06, 2025	Oct. 04, 2025	CSE (TH05-HY)
Filter	Wainwright	WLK4-1000-153 0-8000-40SS	SN28	1.53GHz Low Pass Filter	May 22, 2024	May 16, 2025~ May 20, 2025	May 21, 2025	CSE (TH05-HY)
Filter	Wainwright	WLK4-1000-153 0-8000-40SS	SN28	1.53GHz Low Pass Filter	May 21, 2025	May 21, 2025~ Jun. 06, 2025	May 20, 2026	CSE (TH05-HY)
Filter	Wainwright	WHKX8-5872.5- 6750-18000-40 ST	SN25	6.75GHz High Pass Filter	Dec. 25, 2024	May 16, 2025~ Jun. 06, 2025	Dec. 24, 2025	CSE (TH05-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 05, 2025	May 16, 2025~ Jun. 06, 2025	Mar. 04, 2026	CSE (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))	6.4 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1 dB

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

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

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Junyu Jhou	Temperature:	21~25	°C
Test Date:	2025/5/12~2025/5/27	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	17.66	-	22.12	-	15.07	-	0.5	Pass
11a	6Mbps	1	157	5785	17.75	-	22.54	-	15.13	-	0.5	Pass
11a	6Mbps	1	165	5825	17.64	-	21.85	-	15.18	-	0.5	Pass
HT20	MCS0	1	149	5745	18.11	-	22.82	-	15.12	-	0.5	Pass
HT20	MCS0	1	157	5785	18.13	-	23.42	-	15.14	-	0.5	Pass
HT20	MCS0	1	165	5825	18.15	-	22.75	-	15.08	-	0.5	Pass

Report Number : FR550509D

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	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	14.90	-	30.00	-	4.00	-	Pass
11a	6Mbps	1	157	5785	15.10	-	30.00	-	4.00	-	Pass
11a	6Mbps	1	165	5825	14.90	-	30.00	-	4.00	-	Pass
HT20	MCS0	1	149	5745	15.00	-	30.00	-	4.00	-	Pass
HT20	MCS0	1	157	5785	15.10	-	30.00	-	4.00	-	Pass
HT20	MCS0	1	165	5825	15.00	-	30.00	-	4.00	-	Pass
VHT20	MCS0	1	149	5745	14.90	-	30.00	-	4.00	-	Pass
VHT20	MCS0	1	157	5785	15.00	-	30.00	-	4.00	-	Pass
VHT20	MCS0	1	165	5825	14.90	-	30.00	-	4.00	-	Pass

Report Number : FR550509D

TEST RESULTS DATA
Power Spectral Density

U-NII-3 single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty 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	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	4.15	-	2.05	-	-	30.00	-	4.00	-	Pass
11a	6Mbps	1	157	5785	4.15	-	2.27	-		30.00	-	4.00	-	Pass
11a	6Mbps	1	165	5825	4.15	-	2.32	-		30.00	-	4.00	-	Pass
HT20	MCS0	1	149	5745	4.38	-	0.67	-		30.00	-	4.00	-	Pass
HT20	MCS0	1	157	5785	4.38	-	1.18	-		30.00	-	4.00	-	Pass
HT20	MCS0	1	165	5825	4.38	-	0.91	-		30.00	-	4.00	-	Pass

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	19.15	-	30.17	-	17.72	-	0.5	Pass
HE20	MCS0	1	149	5745	26/0	18.10	-	19.56	-	2.03	-	0.5	Pass
HE20	MCS0	1	149	5745	52/37	17.89	-	19.99	-	15.70	-	0.5	Pass
HE20	MCS0	1	149	5745	106/53	17.76	-	21.99	-	17.04	-	0.5	Pass
HE20	MCS0	1	157	5785	Full	19.18	-	24.08	-	15.41	-	0.5	Pass
HE20	MCS0	1	157	5785	26/4	16.15	-	17.97	-	2.59	-	0.5	Pass
HE20	MCS0	1	157	5785	52/38	16.30	-	18.13	-	13.79	-	0.5	Pass
HE20	MCS0	1	157	5785	106/53	17.76	-	22.26	-	16.93	-	0.5	Pass
HE20	MCS0	1	165	5825	Full	19.17	-	26.55	-	17.68	-	0.5	Pass
HE20	MCS0	1	165	5825	26/8	18.01	-	20.24	-	2.00	-	0.5	Pass
HE20	MCS0	1	165	5825	52/40	17.95	-	19.60	-	16.97	-	0.5	Pass
HE20	MCS0	1	165	5825	106/54	17.82	-	20.70	-	17.02	-	0.5	Pass

Report Number : FR550509D

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	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	1	149	5745	Full	14.90	-	30.00	-	4.00	-	Pass
HE20	MCS0	1	149	5745	26/0	9.40	-	30.00	-	4.00	-	Pass
HE20	MCS0	1	149	5745	52/37	9.60	-	30.00	-	4.00	-	Pass
HE20	MCS0	1	149	5745	106/53	10.10	-	30.00	-	4.00	-	Pass
HE20	MCS0	1	157	5785	Full	15.10	-	30.00	-	4.00	-	Pass
HE20	MCS0	1	157	5785	26/4	9.90	-	30.00	-	4.00	-	Pass
HE20	MCS0	1	157	5785	52/38	10.30	-	30.00	-	4.00	-	Pass
HE20	MCS0	1	157	5785	106/53	10.30	-	30.00	-	4.00	-	Pass
HE20	MCS0	1	165	5825	Full	14.80	-	30.00	-	4.00	-	Pass
HE20	MCS0	1	165	5825	26/8	9.20	-	30.00	-	4.00	-	Pass
HE20	MCS0	1	165	5825	52/40	9.50	-	30.00	-	4.00	-	Pass
HE20	MCS0	1	165	5825	106/54	9.80	-	30.00	-	4.00	-	Pass

Report Number : FR550509D

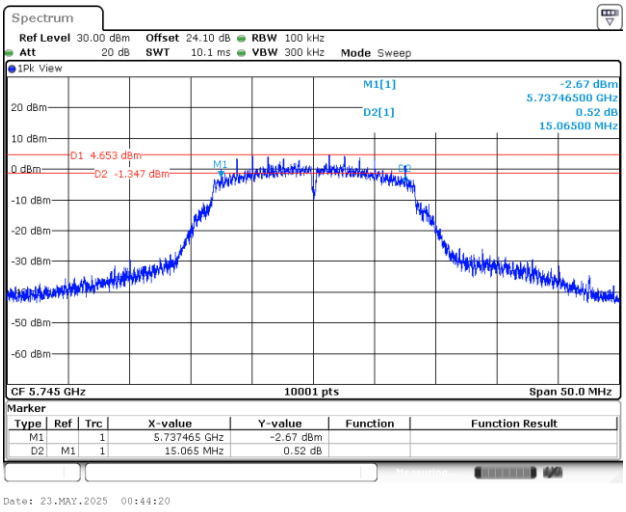
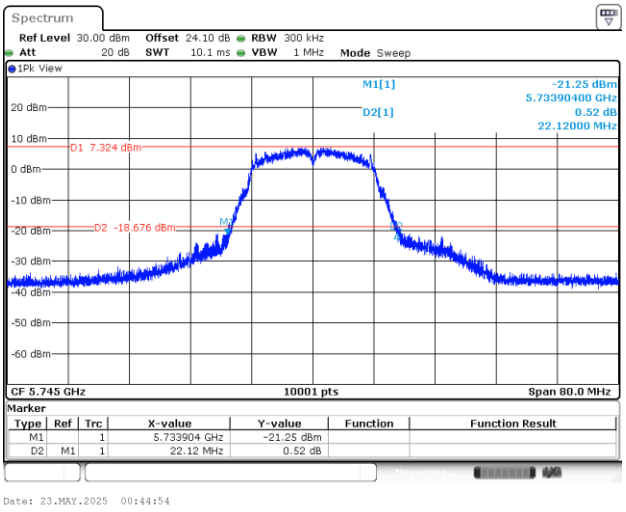
TEST RESULTS DATA
Power Spectral Density

U-NII-3 single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty 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	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	1	149	5745	Full	4.80	-	1.14	-	-	30.00	-	4.00	-	Pass
HE20	MCS0	1	149	5745	26/0	5.05	-	4.13	-		30.00	-	4.00	-	Pass
HE20	MCS0	1	149	5745	52/37	5.46	-	1.88	-		30.00	-	4.00	-	Pass
HE20	MCS0	1	149	5745	106/53	5.24	-	-0.97	-		30.00	-	4.00	-	Pass
HE20	MCS0	1	157	5785	Full	4.80	-	1.31	-		30.00	-	4.00	-	Pass
HE20	MCS0	1	157	5785	26/4	5.05	-	3.92	-		30.00	-	4.00	-	Pass
HE20	MCS0	1	157	5785	52/38	5.46	-	2.23	-		30.00	-	4.00	-	Pass
HE20	MCS0	1	157	5785	106/53	5.24	-	-0.60	-		30.00	-	4.00	-	Pass
HE20	MCS0	1	165	5825	Full	4.80	-	1.55	-		30.00	-	4.00	-	Pass
HE20	MCS0	1	165	5825	26/8	5.05	-	4.31	-		30.00	-	4.00	-	Pass
HE20	MCS0	1	165	5825	52/40	5.46	-	1.63	-		30.00	-	4.00	-	Pass
HE20	MCS0	1	165	5825	106/54	5.24	-	-1.17	-		30.00	-	4.00	-	Pass

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

<Ant. 1>

<802.11a>

6dB Bandwidth	26dB Bandwidth
	
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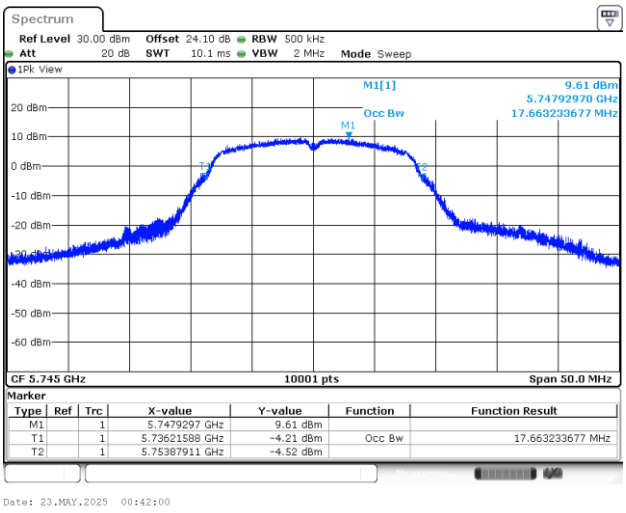
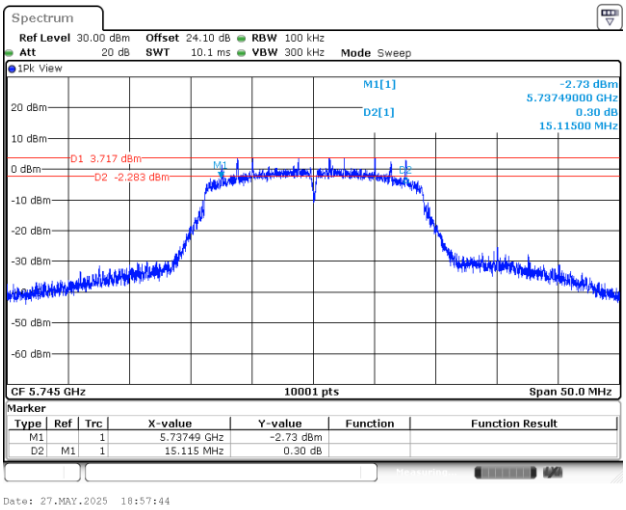
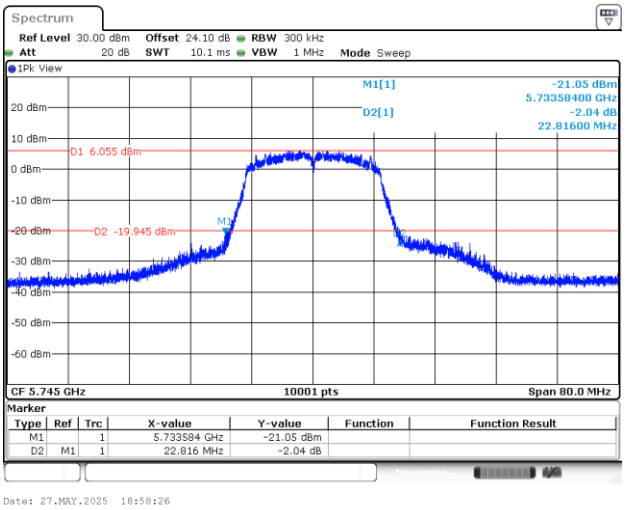
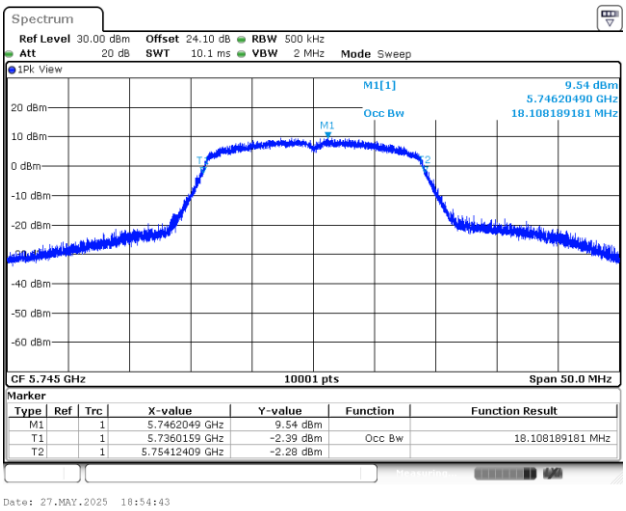
	

<802.11an HT20>

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

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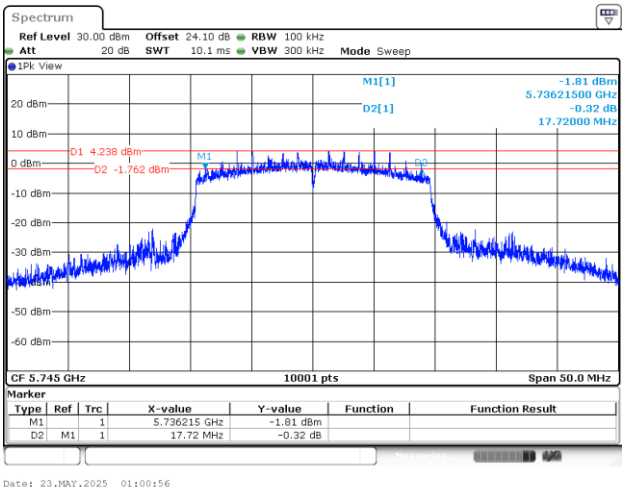
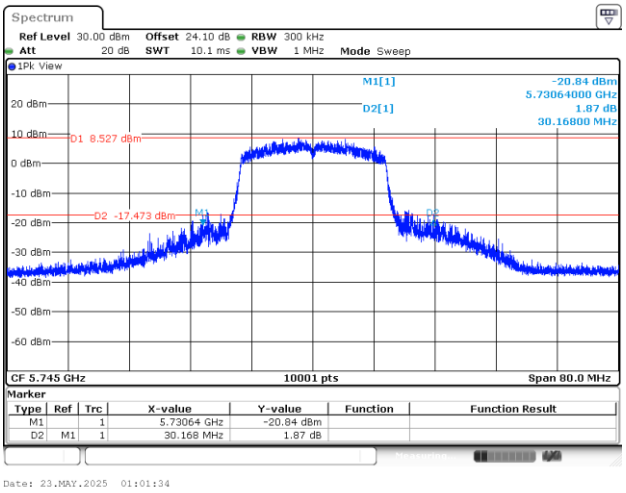
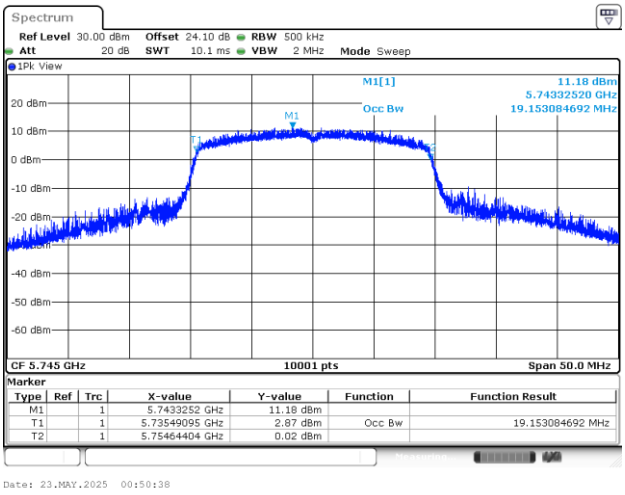
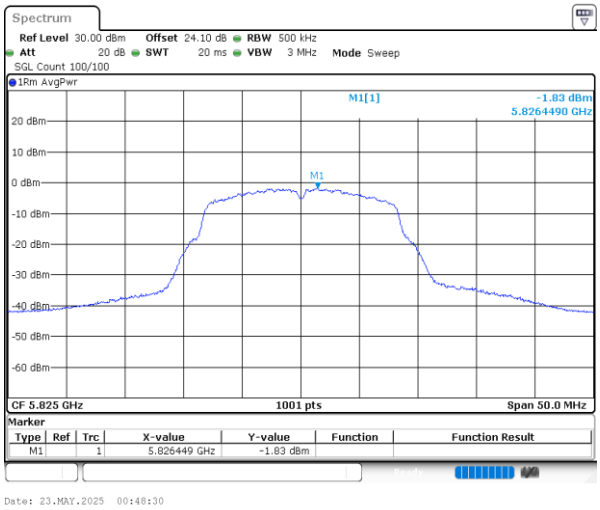
6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

Test Result of Power Spectral Density

<802.11a>

Maximum Power Density Plot (dBm/500kHz)
Ant1



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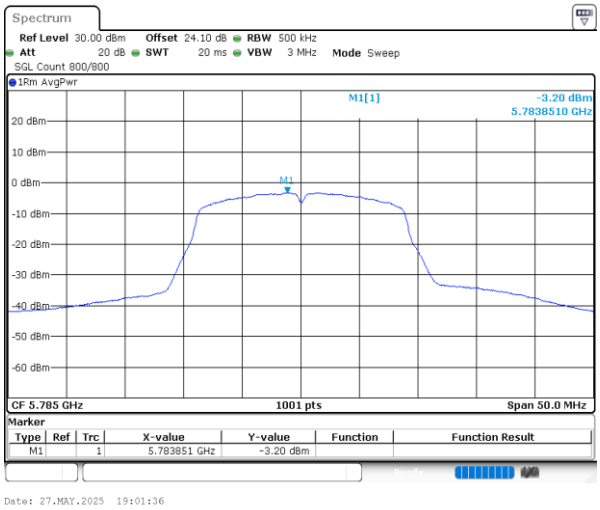
Maximum Power Density Plot (dBm/500kHz)
Ant1



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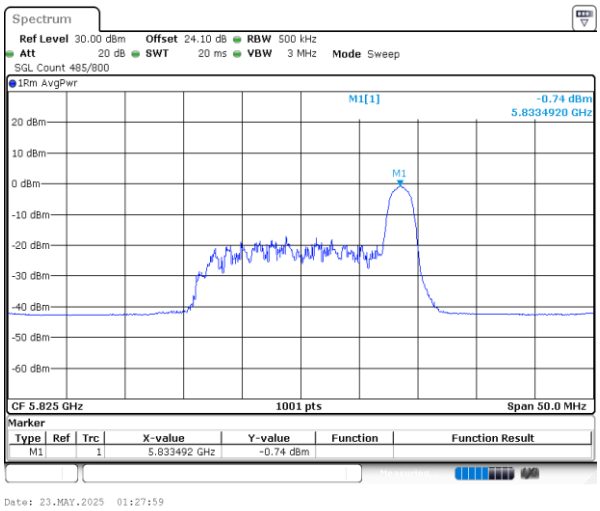
Maximum Power Density Plot (dBm/500kHz)
Ant1

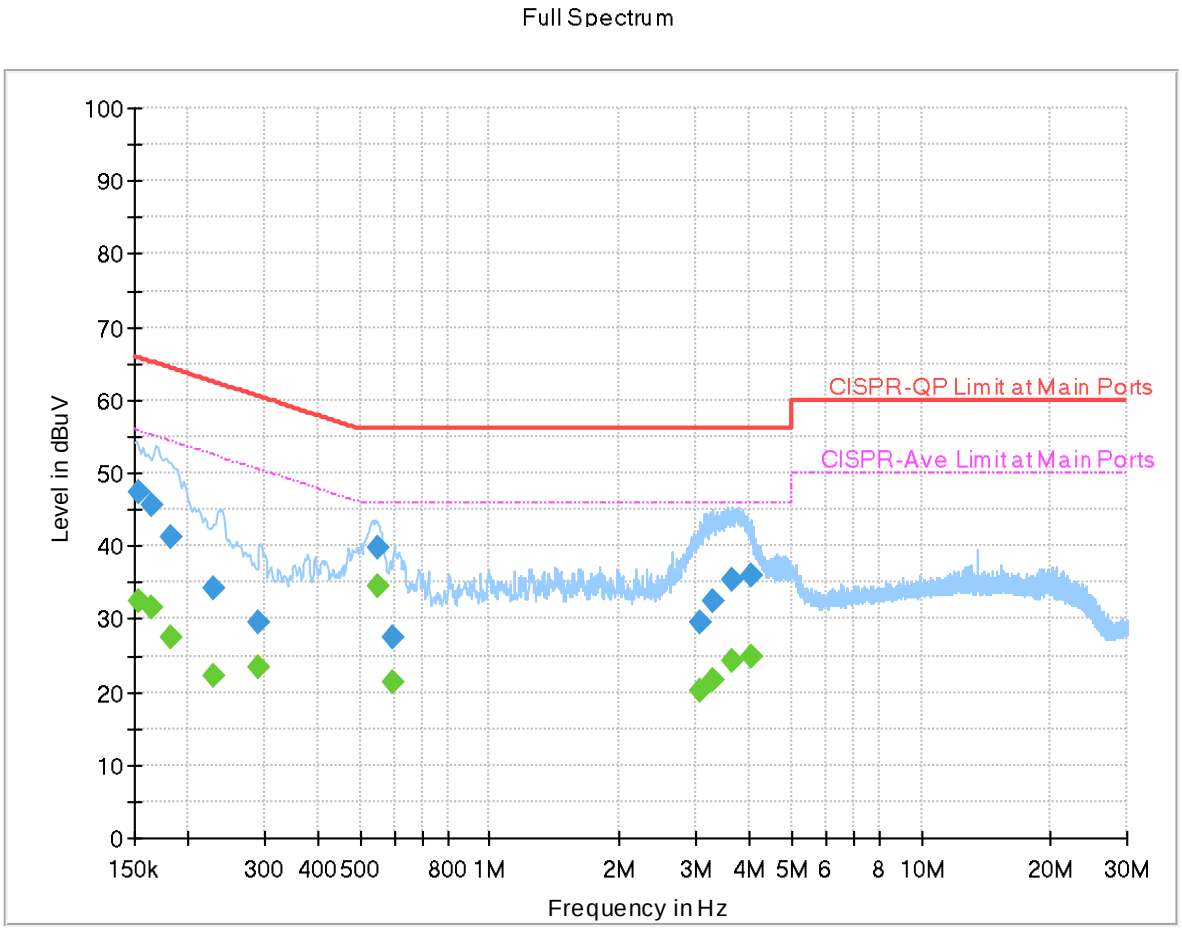


Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	23.5~24.7℃
		Relative Humidity :	52.8~59.1%

EUT Information

Report NO :	550509
Test Mode :	Mode 1
Test Voltage :	Power From System
Phase :	Line



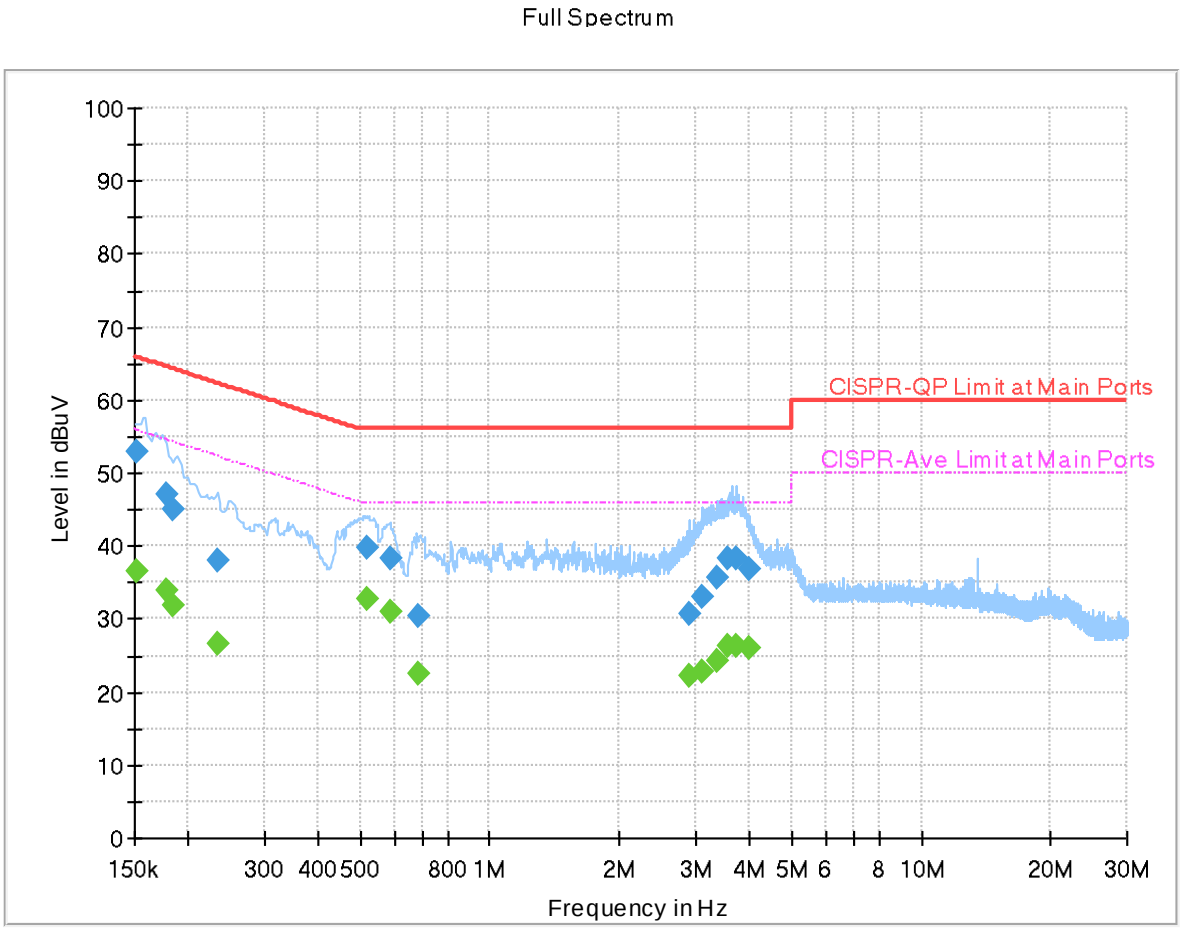
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.153780	---	32.35	55.79	23.44	L1	FLO	20.0
0.153780	47.26	---	65.79	18.53	L1	FLO	20.0
0.164400	---	31.58	55.24	23.66	L1	FLO	20.0
0.164400	45.50	---	65.24	19.74	L1	FLO	20.0
0.181500	---	27.54	54.42	26.88	L1	FLO	20.0
0.181500	41.25	---	64.42	23.17	L1	FLO	20.0
0.228750	---	22.19	52.50	30.31	L1	FLO	20.0
0.228750	34.17	---	62.50	28.33	L1	FLO	20.0
0.289500	---	23.28	50.54	27.26	L1	FLO	20.0
0.289500	29.56	---	60.54	30.98	L1	FLO	20.0
0.549780	---	34.47	46.00	11.53	L1	FLO	20.0
0.549780	39.76	---	56.00	16.24	L1	FLO	20.0
0.597480	---	21.49	46.00	24.51	L1	FLO	20.0
0.597480	27.56	---	56.00	28.44	L1	FLO	20.0
3.064560	---	20.04	46.00	25.96	L1	FLO	20.1
3.064560	29.65	---	56.00	26.35	L1	FLO	20.1
3.293610	---	21.60	46.00	24.40	L1	FLO	20.1
3.293610	32.49	---	56.00	23.51	L1	FLO	20.1
3.633900	---	24.19	46.00	21.81	L1	FLO	20.1

3.633900	**35.36**	**---**	**56.00**	**20.64**	**L1**	**FLO**	**20.1**
4.038000	**---**	**24.84**	**46.00**	**21.16**	**L1**	**FLO**	**20.1**
4.038000	**35.95**	**---**	**56.00**	**20.05**	**L1**	**FLO**	**20.1**

EUT Information

Report NO :	550509
Test Mode :	Mode 1
Test Voltage :	Power From System
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.152250	---	36.54	55.88	19.34	N	FLO	20.0
0.152250	52.78	---	65.88	13.10	N	FLO	20.0
0.177270	---	33.85	54.61	20.76	N	FLO	20.0
0.177270	47.11	---	64.61	17.50	N	FLO	20.0
0.183750	---	31.80	54.31	22.51	N	FLO	20.0
0.183750	44.94	---	64.31	19.37	N	FLO	20.0
0.233430	---	26.67	52.33	25.66	N	FLO	20.0
0.233430	38.04	---	62.33	24.29	N	FLO	20.0
0.516750	---	32.87	46.00	13.13	N	FLO	20.0
0.516750	39.90	---	56.00	16.10	N	FLO	20.0
0.587940	---	31.05	46.00	14.95	N	FLO	20.0
0.587940	38.23	---	56.00	17.77	N	FLO	20.0
0.682980	---	22.51	46.00	23.49	N	FLO	20.0
0.682980	30.35	---	56.00	25.65	N	FLO	20.0
2.911470	---	22.30	46.00	23.70	N	FLO	20.1
2.911470	30.79	---	56.00	25.21	N	FLO	20.1
3.096510	---	22.82	46.00	23.18	N	FLO	20.1
3.096510	33.18	---	56.00	22.82	N	FLO	20.1
3.356250	---	24.24	46.00	21.76	N	FLO	20.1

3.356250	35.57	---	56.00	20.43	N	FLO	20.1
3.582690	---	26.26	46.00	19.74	N	FLO	20.1
3.582690	38.22	---	56.00	17.78	N	FLO	20.1
3.712290	---	26.43	46.00	19.57	N	FLO	20.1
3.712290	38.23	---	56.00	17.77	N	FLO	20.1
4.007760	---	25.95	46.00	20.05	N	FLO	20.1
4.007760	36.83	---	56.00	19.17	N	FLO	20.1

Appendix C. Conducted Spurious Emission

Test Engineer :	Kai Liao	Temperature :	22.3~24.9°C
		Relative Humidity :	52.5~72.4%

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11a CH 149 5745MHz		5625.8	-51.16	-24.16	-27	-56.26	4	1.1	0	0	P
		5667.8	-43.23	-29.44	-13.79	-48.33	4	1.1	0	0	P
		5717.8	-29.4	-44.39	14.99	-34.49	4	1.09	0	0	P
		5724.8	-25.18	-51.72	26.54	-30.27	4	1.09	0	0	P
	*	5745	16.49	-	-	11.4	4	1.09	0	0	P
	*	5745	8.65	-	-	3.56	4	1.09	0	0	A
802.11a CH 157 5785MHz		5627.935	-49.25	-22.25	-27	-54.35	4	1.1	0	0	P
		5698.42	-46.61	-55.45	8.84	-51.71	4	1.1	0	0	P
		5707.3	-44.47	-56.52	12.05	-49.56	4	1.09	0	0	P
		5725.06	-48.34	-87.34	39	-53.43	4	1.09	0	0	P
	*	5785	14.34	-	-	9.25	4	1.09	0	0	P
	*	5785	8.46	-	-	3.37	4	1.09	0	0	A
		5851.495	-52.27	-75.86	23.59	-57.36	4	1.09	0	0	P
		5867.5	-45.31	-57.41	12.1	-50.4	4	1.09	0	0	P
		5912.05	-52.06	-34.61	-17.45	-57.15	4	1.09	0	0	P
		5942.74	-49.04	-22.04	-27	-54.13	4	1.09	0	0	P

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11a CH 165 5825MHz	*	5825	16.22	-	-	11.13	4	1.09	0	0	P
	*	5825	8.62	-	-	3.53	4	1.09	0	0	A
		5854.8	-32.92	-48.98	16.06	-38.01	4	1.09	0	0	P
		5855	-36.27	-51.87	15.6	-41.36	4	1.09	0	0	P
		5903.2	-44.28	-33.37	-10.91	-49.37	4	1.09	0	0	P
		5948.2	-53.27	-26.27	-27	-58.36	4	1.09	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 4 5725~5850MHz

WIFI 802.11a (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11a CH 149 5745MHz		5386	-43.08	-21.88	-21.2	-48.08	4	1	0	0	P
		6117	-44.82	-17.82	-27	-49.86	4	1.04	0	0	P
		7181.25	-49.74	-22.74	-27	-56.37	4	2.63	0	0	P
		7659.58	-50.05	-28.85	-21.2	-56.45	4	2.4	0	0	P
		8617.5	-66.13	-39.13	-27	-72.58	4	2.45	0	0	P
		9574.6	-69.03	-42.03	-27	-75.35	4	2.32	0	0	P
		11490	-62.24	-41.04	-21.2	-68.68	4	2.44	0	0	P
		17235	-59.64	-32.64	-27	-66.37	4	2.73	0	0	P
802.11a CH 157 5785MHz		5420	-42.79	-21.59	-21.2	-47.79	4	1	0	0	P
		6168	-46.44	-19.44	-27	-51.45	4	1.01	0	0	P
		7231.25	-49.06	-22.06	-27	-55.66	4	2.6	0	0	P
		7713.1	-45.54	-24.34	-21.2	-51.96	4	2.42	0	0	P
		8677.5	-62.23	-35.23	-27	-68.65	4	2.42	0	0	P
		11570	-55.97	-34.77	-21.2	-62.41	4	2.44	0	0	P
		17355	-64.94	-37.94	-27	-71.69	4	2.75	0	0	P
802.11a CH 165 5825MHz		5471	-46.04	-19.04	-27	-51.07	4	1.03	0	0	P
		6185	-46.01	-19.01	-27	-51.02	4	1.01	0	0	P
		7281.25	-50.15	-28.95	-21.2	-56.7	4	2.55	0	0	P
		7766.5	-44.9	-17.9	-27	-51.34	4	2.44	0	0	P
		8737.5	-65.42	-38.42	-27	-71.78	4	2.36	0	0	P
		11650	-52.7	-31.5	-21.2	-59.13	4	2.43	0	0	P
		17475	-60.34	-33.34	-27	-67.09	4	2.75	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11n HT20 CH 149 5745MHz		5633	-51.07	-24.07	-27	-56.17	4	1.1	0	0	P
		5698.8	-40.68	-49.8	9.12	-45.78	4	1.1	0	0	P
		5719	-28.39	-43.71	15.32	-33.48	4	1.09	0	0	P
		5722.6	-26.29	-47.82	21.53	-31.38	4	1.09	0	0	P
	*	5745	14.34	-	-	9.25	4	1.09	0	0	P
	*	5745	7.88	-	-	2.79	4	1.09	0	0	A
802.11n HT20 CH 157 5785MHz		5623.125	-49.69	-22.69	-27	-54.79	4	1.1	0	0	P
		5699.715	-46.49	-56.28	9.79	-51.59	4	1.1	0	0	P
		5702.675	-44	-54.75	10.75	-49.09	4	1.09	0	0	P
		5722.285	-48.48	-69.29	20.81	-53.57	4	1.09	0	0	P
	*	5788	14.87	-	-	9.78	4	1.09	0	0	P
	*	5785	8.25	-	-	3.16	4	1.09	0	0	A
		5850.34	-49.74	-75.97	26.23	-54.83	4	1.09	0	0	P
		5864.53	-45.24	-58.17	12.93	-50.33	4	1.09	0	0	P
		5895.88	-51.19	-45.7	-5.49	-56.28	4	1.09	0	0	P
		5942.74	-50.04	-23.04	-27	-55.13	4	1.09	0	0	P

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11n HT20 CH 165 5825MHz	*	5825	15.51	-	-	10.42	4	1.09	0	0	P
	*	5825	8.22	-	-	3.13	4	1.09	0	0	A
		5850.6	-30.58	-56.21	25.63	-35.67	4	1.09	0	0	P
		5857.4	-36.88	-51.81	14.93	-41.97	4	1.09	0	0	P
		5906.8	-43.84	-30.27	-13.57	-48.93	4	1.09	0	0	P
		5946	-52.67	-25.67	-27	-57.76	4	1.09	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11n HT20 CH 149 5745MHz		5386	-43.03	-21.83	-21.2	-48.03	4	1	0	0	P
		6117	-46.23	-19.23	-27	-51.27	4	1.04	0	0	P
		7181.25	-49.78	-22.78	-27	-56.41	4	2.63	0	0	P
		7659.8	-46.35	-25.15	-21.2	-52.75	4	2.4	0	0	P
		8617.5	-65.82	-38.82	-27	-72.27	4	2.45	0	0	P
		11490	-62.58	-41.38	-21.2	-69.02	4	2.44	0	0	P
		17235	-62.35	-35.35	-27	-69.08	4	2.73	0	0	P
802.11n HT20 CH 157 5785MHz		5420	-44.92	-23.72	-21.2	-49.92	4	1	0	0	P
		6151	-44.94	-17.94	-27	-49.96	4	1.02	0	0	P
		7231.25	-49.31	-22.31	-27	-55.91	4	2.6	0	0	P
		7713.1	-43.49	-22.29	-21.2	-49.91	4	2.42	0	0	P
		8677.5	-64.88	-37.88	-27	-71.3	4	2.42	0	0	P
		9641.3	-70.14	-43.14	-27	-76.48	4	2.34	0	0	P
		11570	-55.41	-34.21	-21.2	-61.85	4	2.44	0	0	P
		17355	-65.56	-38.56	-27	-72.31	4	2.75	0	0	P
802.11n HT20 CH 165 5825MHz		5471	-43.35	-16.35	-27	-48.38	4	1.03	0	0	P
		6202	-46.85	-19.85	-27	-51.85	4	1	0	0	P
		7281.25	-49.78	-28.58	-21.2	-56.33	4	2.55	0	0	P
		7766.5	-45.4	-18.4	-27	-51.84	4	2.44	0	0	P
		8737.5	-65.75	-38.75	-27	-72.11	4	2.36	0	0	P
		11650	-53.2	-32	-21.2	-59.63	4	2.43	0	0	P
		17475	-61.59	-34.59	-27	-68.34	4	2.75	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Full (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Full CH 149 5745MHz		5634.655	-49.89	-22.89	-27	-54.99	4	1.1	0	0	P
		5695.41	-39.68	-46.3	6.62	-44.78	4	1.1	0	0	P
		5719.335	-26.33	-41.74	15.41	-31.42	4	1.09	0	0	P
		5724.265	-22.59	-47.92	25.33	-27.68	4	1.09	0	0	P
	*	5745	15.35	-	-	10.26	4	1.09	0	0	P
	*	5745	7.94	-	-	2.85	4	1.09	0	0	A
802.11ax HE20 Full CH 157 5785MHz		5622.57	-50.49	-23.49	-27	-55.59	4	1.1	0	0	P
		5699.345	-45.87	-55.39	9.52	-50.97	4	1.1	0	0	P
		5704.34	-44.88	-56.1	11.22	-49.97	4	1.09	0	0	P
		5724.135	-47.41	-72.44	25.03	-52.5	4	1.09	0	0	P
	*	5785	15.22	-	-	10.13	4	1.09	0	0	P
	*	5785	7.73	-	-	2.64	4	1.09	0	0	A
		5854.3	-49.61	-66.81	17.2	-54.7	4	1.09	0	0	P
		5864.2	-44.56	-57.58	13.02	-49.65	4	1.09	0	0	P
		5896.375	-50.9	-45.04	-5.86	-55.99	4	1.09	0	0	P
		5943.895	-49.33	-22.33	-27	-54.42	4	1.09	0	0	P

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Full CH 165 5825MHz	*	5825	14.1	-	-	9.01	4	1.09	0	0	P
	*	5825	7.61	-	-	2.52	4	1.09	0	0	A
		5850.375	-29.02	-55.16	26.14	-34.11	4	1.09	0	0	P
		5855.75	-31.7	-47.09	15.39	-36.79	4	1.09	0	0	P
		5875.5	-41.89	-51.52	9.63	-46.98	4	1.09	0	0	P
		5938.25	-52.18	-25.18	-27	-57.27	4	1.09	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 4 5725~5850MHz

WIFI 802.11ax HE20 Full (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Full CH 149 5745MHz		5386	-45.35	-24.15	-21.2	-50.35	4	1	0	0	P
		6117	-45.32	-18.32	-27	-50.36	4	1.04	0	0	P
		7181.25	-50.53	-23.53	-27	-57.16	4	2.63	0	0	P
		7659.8	-50.07	-28.87	-21.2	-56.47	4	2.4	0	0	P
		8617.5	-64.26	-37.26	-27	-70.71	4	2.45	0	0	P
		9574.6	-68.67	-41.67	-27	-74.99	4	2.32	0	0	P
		11490	-64.13	-42.93	-21.2	-70.57	4	2.44	0	0	P
		17235	-62.52	-35.52	-27	-69.25	4	2.73	0	0	P
802.11ax HE20 Full CH 157 5785MHz		5437	-44.08	-22.88	-21.2	-49.09	4	1.01	0	0	P
		6151	-46.07	-19.07	-27	-51.09	4	1.02	0	0	P
		7231.25	-49	-22	-27	-55.6	4	2.6	0	0	P
		7713.1	-44.45	-23.25	-21.2	-50.87	4	2.42	0	0	P
		8677.5	-64.63	-37.63	-27	-71.05	4	2.42	0	0	P
		11570	-55.83	-34.63	-21.2	-62.27	4	2.44	0	0	P
		17355	-66.19	-39.19	-27	-72.94	4	2.75	0	0	P
802.11ax HE20 Full CH 165 5825MHz		5471	-44.15	-17.15	-27	-49.18	4	1.03	0	0	P
		6202	-45.97	-18.97	-27	-50.97	4	1	0	0	P
		7281.25	-50.3	-29.1	-21.2	-56.85	4	2.55	0	0	P
		7766.5	-45.62	-18.62	-27	-52.06	4	2.44	0	0	P
		8737.5	-66.23	-39.23	-27	-72.59	4	2.36	0	0	P
		11650	-51.46	-30.26	-21.2	-57.89	4	2.43	0	0	P
		17475	-60.72	-33.72	-27	-67.47	4	2.75	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 26/0 CH 149 5745MHz		5616	-50.38	-23.38	-27	-55.48	4	1.1	0	0	P
		5656.8	-43.25	-21.3	-21.95	-48.35	4	1.1	0	0	P
		5719.6	-30.77	-46.26	15.49	-35.86	4	1.09	0	0	P
		5723.2	-31.05	-53.95	22.9	-36.14	4	1.09	0	0	P
	*	5745	17.68	-	-	12.59	4	1.09	0	0	P
	*	5745	11.61	-	-	6.52	4	1.09	0	0	A
802.11ax HE20 Partial 26/4 CH 157 5785MHz		5624.605	-51.08	-24.08	-27	-56.18	4	1.1	0	0	P
		5691.945	-53.66	-57.72	4.06	-58.76	4	1.1	0	0	P
		5706.005	-43.86	-55.54	11.68	-48.95	4	1.09	0	0	P
		5724.135	-51.02	-76.05	25.03	-56.11	4	1.09	0	0	P
	*	5785	14.93	-	-	9.84	4	1.09	0	0	P
	*	5785	10.08	-	-	4.99	4	1.09	0	0	A
		5851.66	-53.86	-77.07	23.21	-58.95	4	1.09	0	0	P
		5865.52	-44.15	-56.8	12.65	-49.24	4	1.09	0	0	P
		5916.175	-53.23	-32.74	-20.49	-58.32	4	1.09	0	0	P
		5944.555	-46.81	-19.81	-27	-51.9	4	1.09	0	0	P

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 26/8 CH 165 5825MHz	*	5825	16.86	-	-	11.77	4	1.09	0	0	P
	*	5825	11.21	-	-	6.12	4	1.09	0	0	A
		5850.4	-30.9	-56.99	26.09	-35.99	4	1.09	0	0	P
		5868	-34.76	-46.72	11.96	-39.85	4	1.09	0	0	P
		5913.2	-40.7	-22.4	-18.3	-45.79	4	1.09	0	0	P
		5937.8	-52.99	-25.99	-27	-58.08	4	1.09	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 26/0 CH 149 5745MHz		5380	-40.12	-18.92	-21.2	-45.13	4	1.01	0	0	P
		5380	-46.14	-4.94	-41.2	-51.15	4	1.01	0	0	A
		6094	-43.8	-16.8	-27	-48.85	4	1.05	0	0	P
		7181.25	-48.19	-21.19	-27	-54.82	4	2.63	0	0	P
		7659.8	-49.56	-28.36	-21.2	-55.96	4	2.4	0	0	P
		8617.5	-65.19	-38.19	-27	-71.64	4	2.45	0	0	P
		9574.6	-64.49	-37.49	-27	-70.81	4	2.32	0	0	P
		11490	-62.34	-41.14	-21.2	-68.78	4	2.44	0	0	P
		17235	-60.91	-33.91	-27	-67.64	4	2.73	0	0	P
802.11ax HE20 Partial 26/4 CH 157 5785MHz		5420	-42.94	-21.74	-21.2	-47.94	4	1	0	0	P
		6151	-47.2	-20.2	-27	-52.22	4	1.02	0	0	P
		7231.25	-46.77	-19.77	-27	-53.37	4	2.6	0	0	P
		7713.1	-45.91	-24.71	-21.2	-52.33	4	2.42	0	0	P
		8677.5	-62.16	-35.16	-27	-68.58	4	2.42	0	0	P
		9641.3	-66.25	-39.25	-27	-72.59	4	2.34	0	0	P
		11570	-56.16	-34.96	-21.2	-62.6	4	2.44	0	0	P
		17355	-64.1	-37.1	-27	-70.85	4	2.75	0	0	P
802.11ax HE20 Partial 26/8 CH 165 5825MHz		5471	-44.83	-17.83	-27	-49.86	4	1.03	0	0	P
		6202	-40.27	-13.27	-27	-45.27	4	1	0	0	P
		6576	-45.14	-18.14	-27	-50.28	4	1.14	0	0	P
		7281.25	-48.08	-26.88	-21.2	-54.63	4	2.55	0	0	P
		7766.5	-43.75	-16.75	-27	-50.19	4	2.44	0	0	P
		8737.5	-65.61	-38.61	-27	-71.97	4	2.36	0	0	P
		11650	-50.8	-29.6	-21.2	-57.23	4	2.43	0	0	P
		17475	-57.08	-30.08	-27	-63.83	4	2.75	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 52 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 52/37 CH 149 5745MHz		5616.2	-49.86	-22.86	-27	-54.96	4	1.1	0	0	P
		5659	-44.65	-24.33	-20.32	-49.75	4	1.1	0	0	P
		5715.2	-37.84	-52.1	14.26	-42.93	4	1.09	0	0	P
		5722	-27.55	-47.71	20.16	-32.64	4	1.09	0	0	P
	*	5745	15.89	-	-	10.8	4	1.09	0	0	P
	*	5745	8.27	-	-	3.18	4	1.09	0	0	A
802.11ax HE20 Partial 52/38 CH 157 5785MHz		5622.755	-47.47	-20.47	-27	-52.57	4	1.1	0	0	P
		5700.085	-47.35	-57.37	10.02	-52.44	4	1.09	0	0	P
		5701.565	-44.35	-54.79	10.44	-49.44	4	1.09	0	0	P
		5723.21	-50.42	-73.34	22.92	-55.51	4	1.09	0	0	P
	*	5785	14.76	-	-	9.67	4	1.09	0	0	P
	*	5785	8.9	-	-	3.81	4	1.09	0	0	A
		5854.135	-51.14	-68.71	17.57	-56.23	4	1.09	0	0	P
		5860.405	-43.38	-57.47	14.09	-48.47	4	1.09	0	0	P
		5900.335	-52.66	-43.87	-8.79	-57.75	4	1.09	0	0	P
		5942.245	-47.64	-20.64	-27	-52.73	4	1.09	0	0	P

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 52/40 CH 165 5825MHz	*	5825	16.05	-	-	10.96	4	1.09	0	0	P
	*	5825	9.08	-	-	3.99	4	1.09	0	0	A
		5850.6	-28.86	-54.49	25.63	-33.95	4	1.09	0	0	P
		5860.2	-33.63	-47.77	14.14	-38.72	4	1.09	0	0	P
		5912.4	-43.81	-26.1	-17.71	-48.9	4	1.09	0	0	P
		5928	-54.24	-27.24	-27	-59.33	4	1.09	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 52 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 52/37 CH 149 5745MHz		5380	-38.64	-17.44	-21.2	-43.65	4	1.01	0	0	P
		5380	-47.91	-6.71	-41.2	-52.92	4	1.01	0	0	A
		6100	-47.69	-20.69	-27	-52.74	4	1.05	0	0	P
		7181.25	-48.28	-21.28	-27	-54.91	4	2.63	0	0	P
		7659.8	-50.64	-29.44	-21.2	-57.04	4	2.4	0	0	P
		8617.5	-65.63	-38.63	-27	-72.08	4	2.45	0	0	P
		9574.6	-67.52	-40.52	-27	-73.84	4	2.32	0	0	P
		11490	-65.9	-44.7	-21.2	-72.34	4	2.44	0	0	P
		17235	-62.97	-35.97	-27	-69.7	4	2.73	0	0	P
802.11ax HE20 Partial 52/38 CH 157 5785MHz		5420	-43.59	-22.39	-21.2	-48.59	4	1	0	0	P
		6151	-46.11	-19.11	-27	-51.13	4	1.02	0	0	P
		7231.25	-47.18	-20.18	-27	-53.78	4	2.6	0	0	P
		7713.1	-47	-25.8	-21.2	-53.42	4	2.42	0	0	P
		8677.5	-64.79	-37.79	-27	-71.21	4	2.42	0	0	P
		9641.3	-69.87	-42.87	-27	-76.21	4	2.34	0	0	P
		11570	-53.39	-32.19	-21.2	-59.83	4	2.44	0	0	P
		17355	-63.55	-36.55	-27	-70.3	4	2.75	0	0	P
802.11ax HE20 Partial 52/40 CH 165 5825MHz		5471	-42.21	-15.21	-27	-47.24	4	1.03	0	0	P
		6202	-44.18	-17.18	-27	-49.18	4	1	0	0	P
		6576	-46.7	-19.7	-27	-51.84	4	1.14	0	0	P
		7281.25	-48.07	-26.87	-21.2	-54.62	4	2.55	0	0	P
		7766.5	-44.6	-17.6	-27	-51.04	4	2.44	0	0	P
		8737.5	-64.95	-37.95	-27	-71.31	4	2.36	0	0	P
		11650	-53.51	-32.31	-21.2	-59.94	4	2.43	0	0	P
		17475	-60.52	-33.52	-27	-67.27	4	2.75	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 106 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 106/53 CH 149 5745MHz		5622.2	-51.26	-24.26	-27	-56.36	4	1.1	0	0	P
		5657	-46.35	-24.55	-21.8	-51.45	4	1.1	0	0	P
		5720	-33.53	-49.13	15.6	-38.62	4	1.09	0	0	P
		5724.6	-29.55	-55.64	26.09	-34.64	4	1.09	0	0	P
	*	5745	14.15	-	-	9.06	4	1.09	0	0	P
	*	5745	6.57	-	-	1.48	4	1.09	0	0	A
802.11ax HE20 Partial 106/53 CH 157 5785MHz		5619.24	-50.65	-23.65	-27	-55.75	4	1.1	0	0	P
		5699.16	-47.82	-57.2	9.38	-52.92	4	1.1	0	0	P
		5703.045	-47.82	-58.67	10.85	-52.91	4	1.09	0	0	P
		5721.73	-53.05	-72.6	19.55	-58.14	4	1.09	0	0	P
	*	5785	13.68	-	-	8.59	4	1.09	0	0	P
	*	5785	6.41	-	-	1.32	4	1.09	0	0	A
		5854.96	-51.32	-67.01	15.69	-56.41	4	1.09	0	0	P
		5860.075	-45.55	-59.73	14.18	-50.64	4	1.09	0	0	P
		5897.035	-51.42	-45.08	-6.34	-56.51	4	1.09	0	0	P
		5939.605	-48.1	-21.1	-27	-53.19	4	1.09	0	0	P

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 106/54 CH 165 5825MHz	*	5825	12.73	-	-	7.64	4	1.09	0	0	P
	*	5825	6.62	-	-	1.53	4	1.09	0	0	A
		5850.8	-37.58	-62.76	25.18	-42.67	4	1.09	0	0	P
		5855.6	-38.07	-53.5	15.43	-43.16	4	1.09	0	0	P
		5910.2	-45.1	-29.02	-16.08	-50.19	4	1.09	0	0	P
		5935.8	-52.65	-25.65	-27	-57.74	4	1.09	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 106 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 106/53 CH 149 5745MHz		5386	-45.43	-24.23	-21.2	-50.43	4	1	0	0	P
		6100	-47.6	-20.6	-27	-52.65	4	1.05	0	0	P
		6457	-49.06	-22.06	-27	-54.04	4	0.98	0	0	P
		7181.25	-48.48	-21.48	-27	-55.11	4	2.63	0	0	P
		7659.8	-50.66	-29.46	-21.2	-57.06	4	2.4	0	0	P
		8617.5	-64.78	-37.78	-27	-71.23	4	2.45	0	0	P
		9574.6	-68.75	-41.75	-27	-75.07	4	2.32	0	0	P
		11490	-66.44	-45.24	-21.2	-72.88	4	2.44	0	0	P
		17235	-64.56	-37.56	-27	-71.29	4	2.73	0	0	P
802.11ax HE20 Partial 106/53 CH 157 5785MHz		5420	-43.91	-22.71	-21.2	-48.91	4	1	0	0	P
		6151	-48.84	-21.84	-27	-53.86	4	1.02	0	0	P
		7231.25	-47.42	-20.42	-27	-54.02	4	2.6	0	0	P
		7713.1	-47.98	-26.78	-21.2	-54.4	4	2.42	0	0	P
		8677.5	-64.53	-37.53	-27	-70.95	4	2.42	0	0	P
		11570	-58.31	-37.11	-21.2	-64.75	4	2.44	0	0	P
		17355	-66.24	-39.24	-27	-72.99	4	2.75	0	0	P
802.11ax HE20 Partial 106/54 CH 165 5825MHz		5471	-46.7	-19.7	-27	-51.73	4	1.03	0	0	P
		6202	-44.69	-17.69	-27	-49.69	4	1	0	0	P
		7281.25	-48.36	-27.16	-21.2	-54.91	4	2.55	0	0	P
		7766.5	-44.05	-17.05	-27	-50.49	4	2.44	0	0	P
		8737.5	-65.38	-38.38	-27	-71.74	4	2.36	0	0	P
		11650	-57.13	-35.93	-21.2	-63.56	4	2.43	0	0	P
		17475	-66.62	-39.62	-27	-73.37	4	2.75	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Emission above 18GHz

WIFI 802.11ax HE20(SHF)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax		38614	-63.31	-42.11	-21.2	-70.52	4	3.21	0	0	P
HE20											
Partial											
26RU0											
SHF											
Remark	● No other spurious found. ● All results are PASS against limit line.										

Emission below 1GHz

WIFI 802.11ax HE20(LF)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax		33.88	-75.18	-19.98	-55.2	-83.98	4	0.1	0	4.7	P
HE20		161.92	-75.37	-23.67	-51.7	-84.39	4	0.32	0	4.7	P
Partial		171.62	-75.09	-23.39	-51.7	-84.15	4	0.36	0	4.7	P
26RU0		801.15	-73.41	-24.21	-49.2	-82.6	4	0.49	0	4.7	P
LF		900.09	-64.96	-15.76	-49.2	-74.24	4	0.58	0	4.7	P
		960.23	-73.4	-32.2	-41.2	-82.76	4	0.66	0	4.7	P
Remark	● No other spurious found. ● All results are PASS against limit line.										

Note symbol

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

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	MIMO	Grounding	Peak
Ant.					Line	Level	Factor	Loss	Factor	Factor	Avg.
2		(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dBi)	(dB)	(dB)	(dB)	(P/A)
802.11a CH 36 5180MHz		5147.78	-33.69	-12.49	-21.2	-38.78	4	1.09	0	0	P
		5149.94	-42.6	-1.4	-41.2	-47.69	4	1.09	0	0	A

1. Path Loss (dB) = Cable loss (dB) + Filter loss (dB) + Attenuator loss (dB)
2. Level (dBm) =

Antenna Factor (dBi) + Path Loss (dB) + Read Level (dBm)

3. Margin (dB) = Level (dBm) – Limit Line (dBm)

For Peak Limit @ 5147.78 MHz:

1. Level (dBm)

= Antenna Factor (dBi) + Path Loss (dB) + Read Level (dBm)

= 4 (dBi) + 1.09 (dB) - 38.78 (dBm)

= -33.69 (dBm)

2. Margin (dB)

= Level (dBm) – Limit Line (dBm)

= -33.69 (dBm) +21.2 (dBm)

= -12.49 (dB)

For Average Limit @ 5149.94 MHz:

1. Level (dBm)

= Antenna Factor (dBi) + Path Loss (dB) + Read Level (dBm)

= 4 (dBi) + 1.09 (dB) - 47.69 (dBm)

= -42.6 (dBm)

2. Margin (dB)

= Level (dBm) – Limit Line (dBm)

= -42.6 (dBm) + 41.2 (dBm)

= -1.4 (dB)

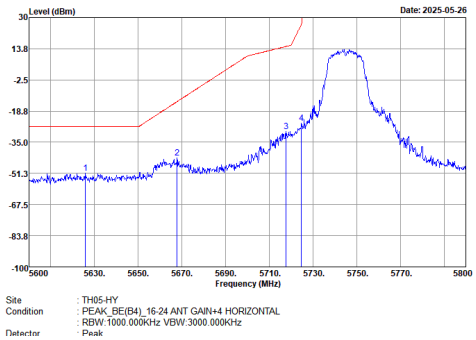
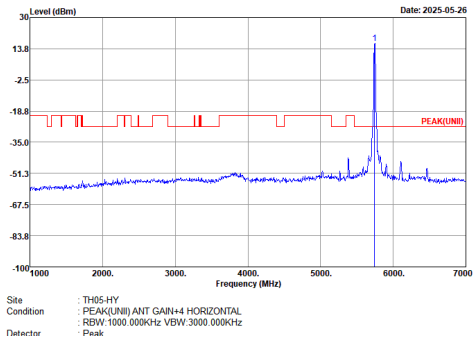
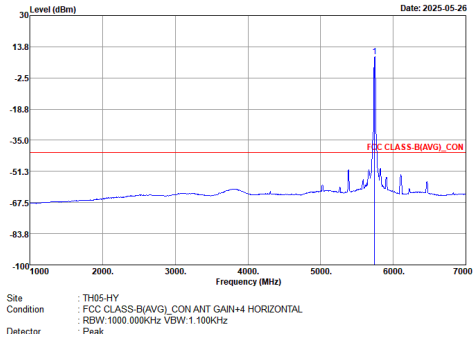
Both peak and average measured complies with the limit line, so test result is “PASS”.

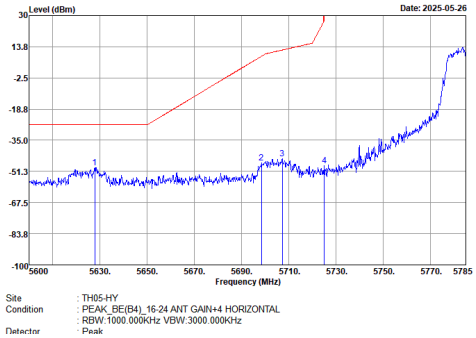
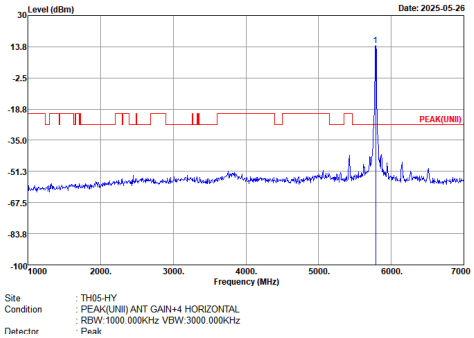
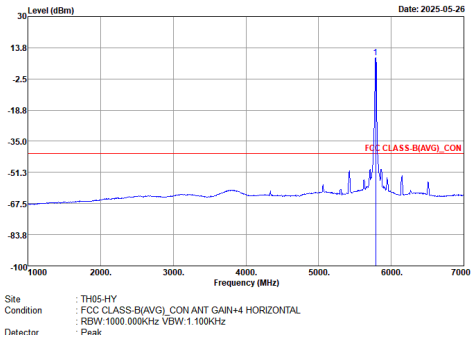
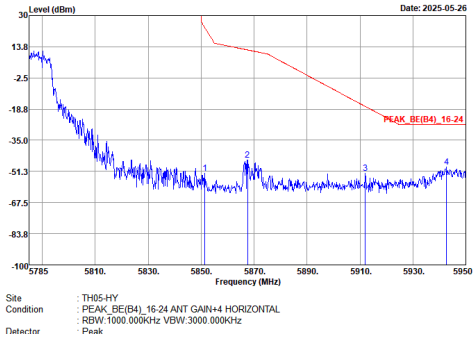
Appendix D. Conducted Spurious Emission Plots

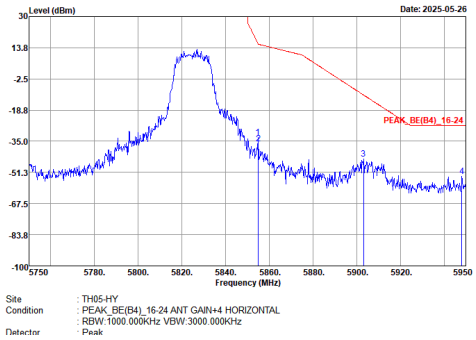
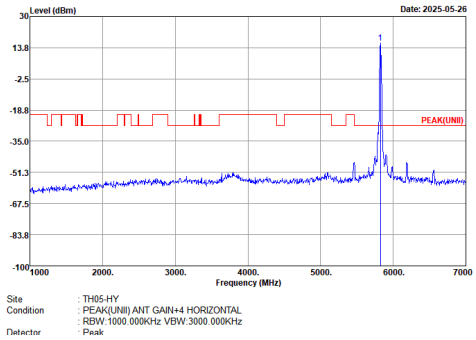
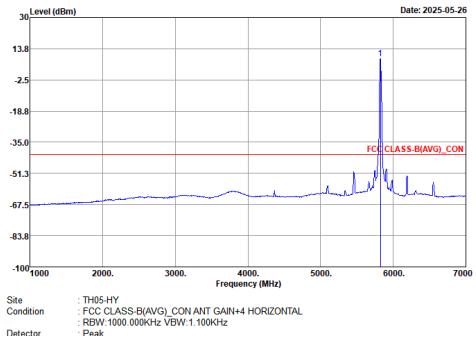
Test Engineer :	Kai Liao	Temperature :	22.3~24.9°C
		Relative Humidity :	52.5~72.4%

Band 4 5725~5850MHz

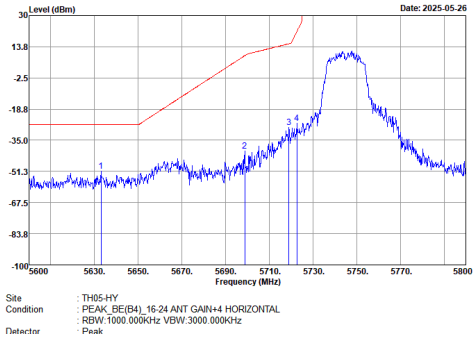
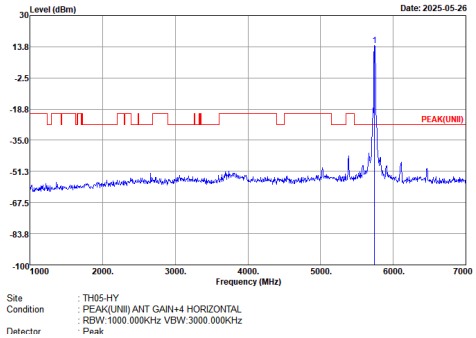
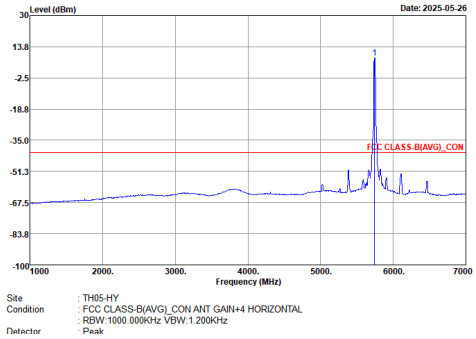
WIFI 802.11a (Band Edge)

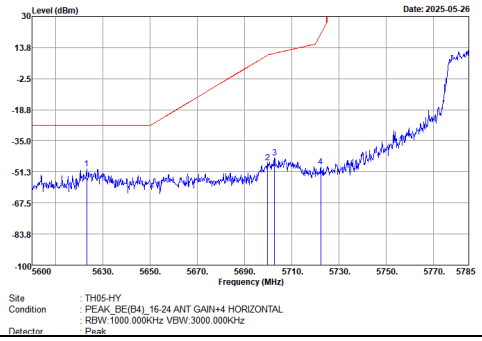
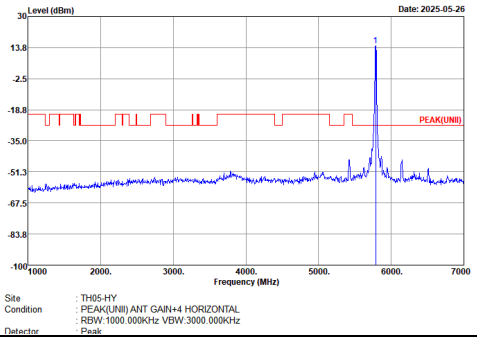
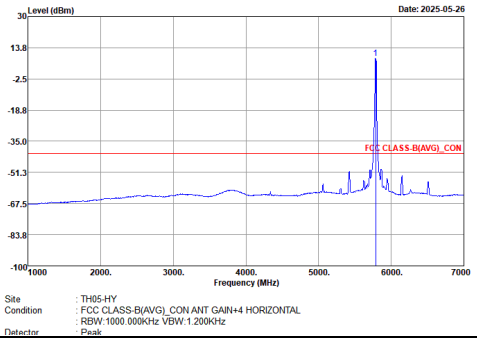
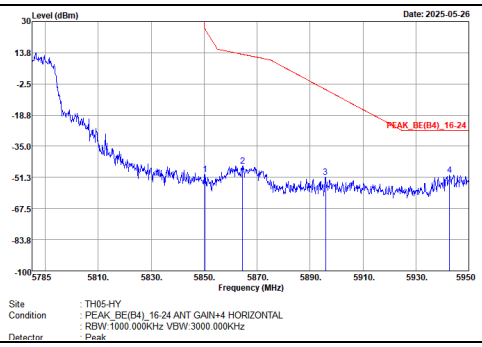
WIFI	Band 4 5725~5850MHz	
Ant.	802.11a CH149 5745MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	

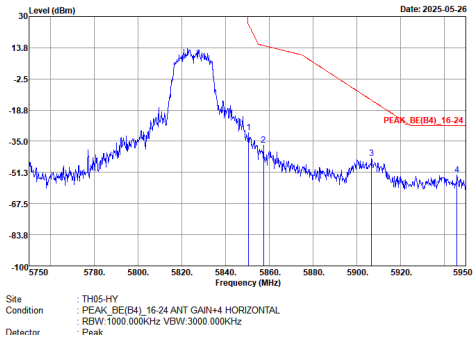
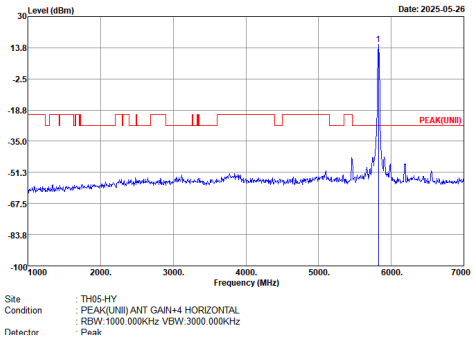
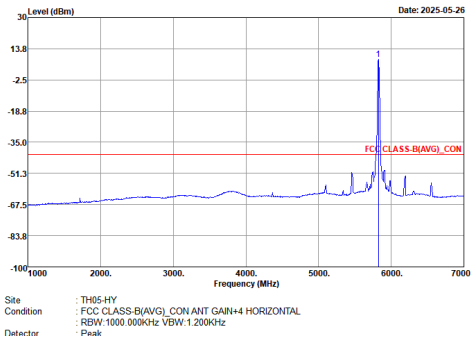
WIFI	Band 4 5725~5850MHz	
ANT	802.11a CH157 5785MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	
Peak		Blank

WIFI	Band 4 5725~5850MHz	
ANT	802.11a CH165 5825MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	

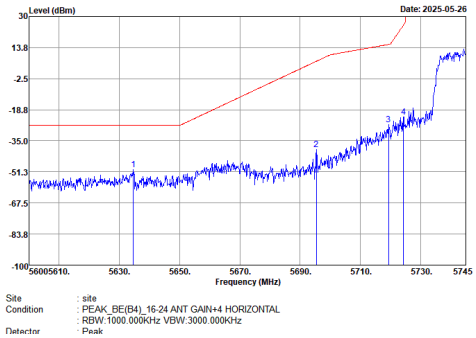
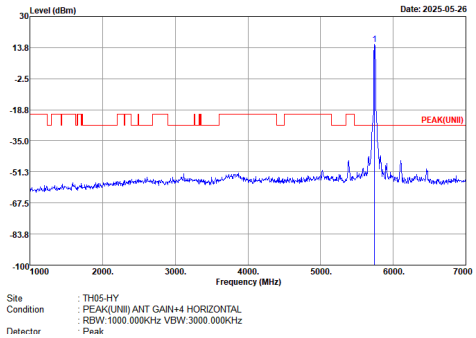
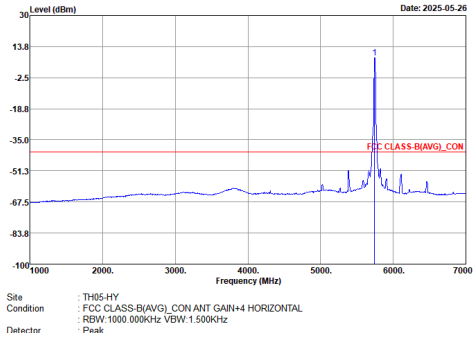
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Band Edge)

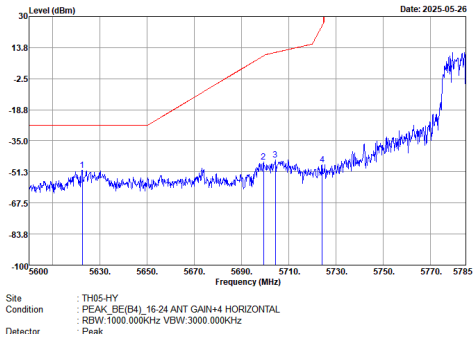
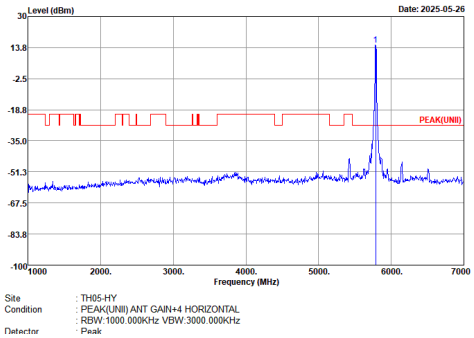
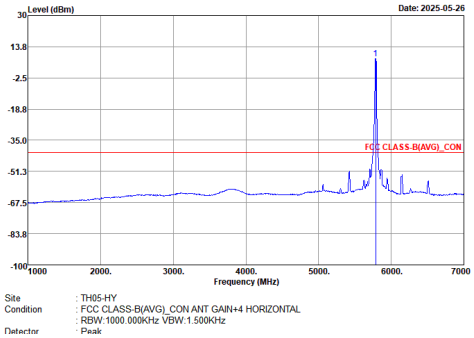
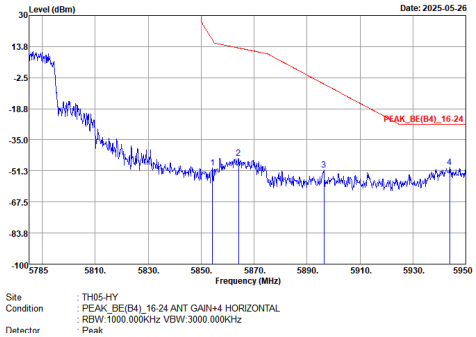
WIFI	Band 4 5725~5850MHz	
ANT	802.11n HT20 CH149 5745MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	

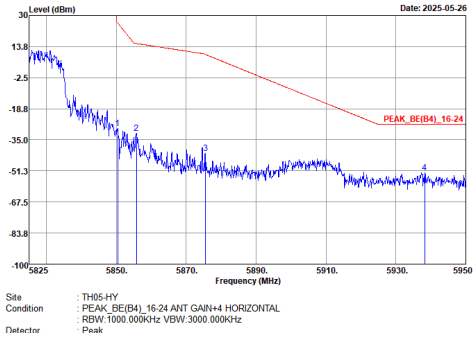
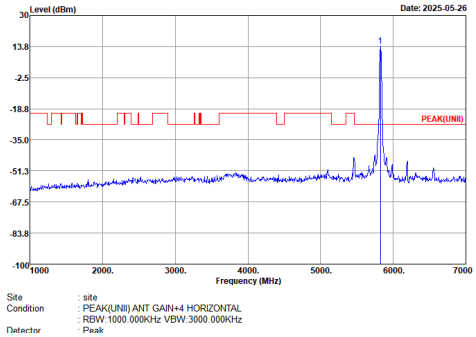
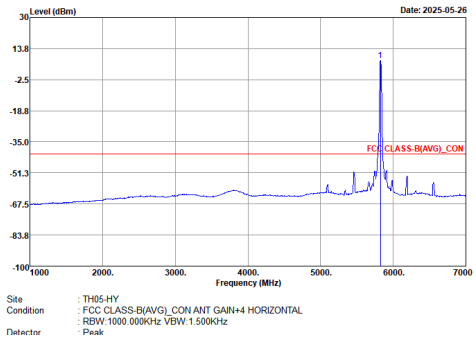
WIFI	Band 4 5725~5850MHz	
ANT	802.11n HT20 CH157 5785MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	
Peak		Blank

WIFI	Band 4 5725~5850MHz	
ANT	802.11n HT20 CH165 5825MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	

Band 4 5725~5850MHz
WIFI 802.11ax HE20 Full (Band Edge)

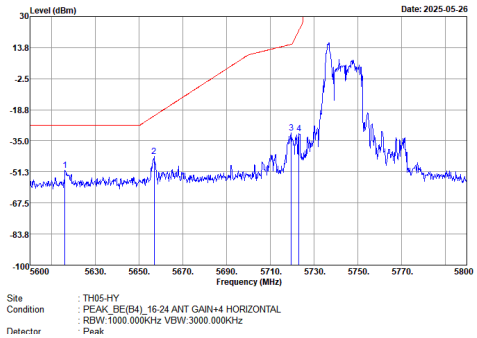
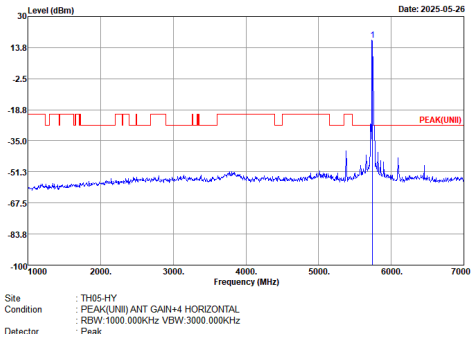
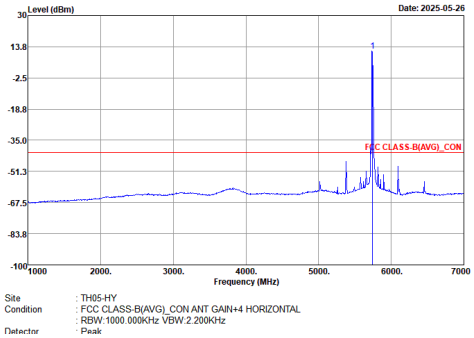
WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Full CH149 5745MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	

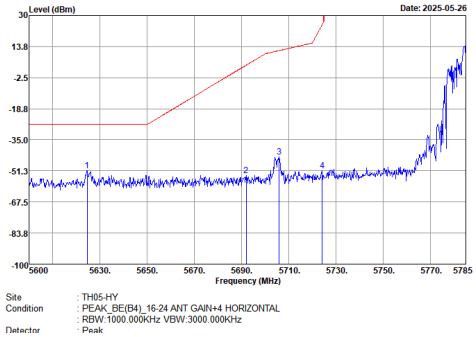
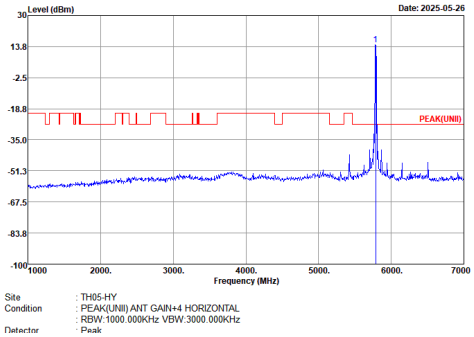
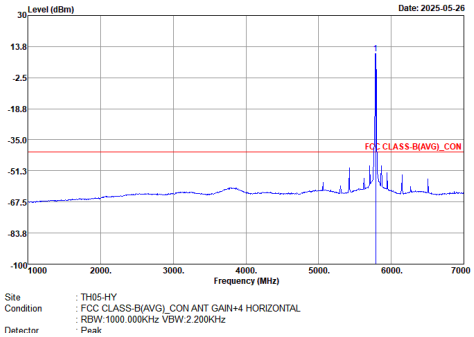
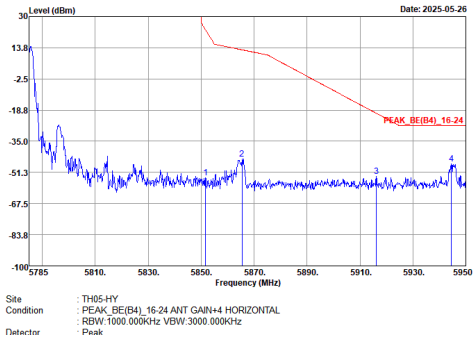
WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Full CH157 5785MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	
Peak		Blank

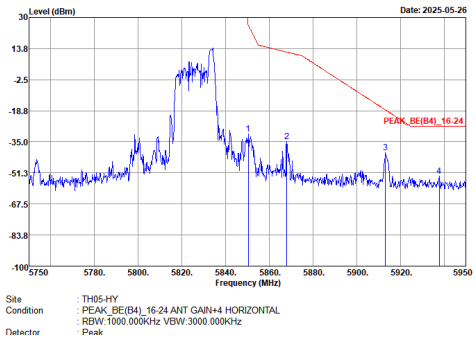
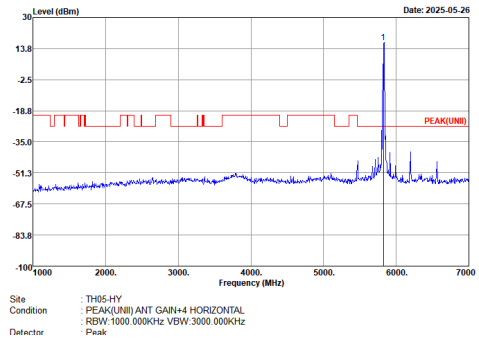
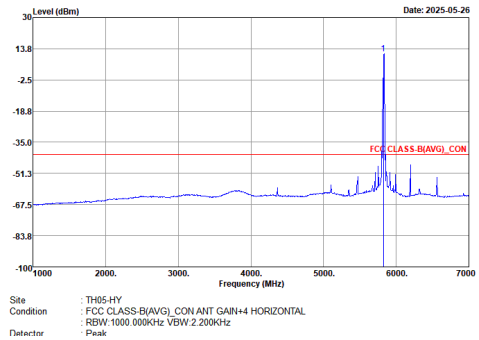
WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Full CH165 5825MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	

Band 4 5725~5850MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge)

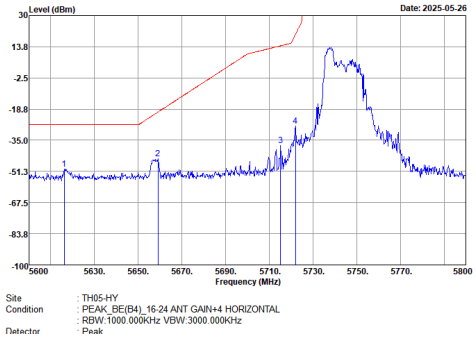
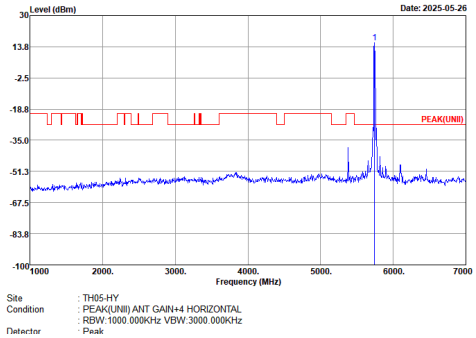
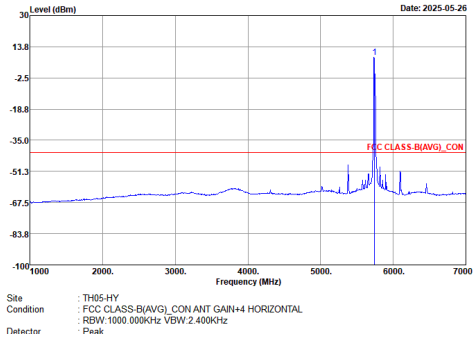
WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	

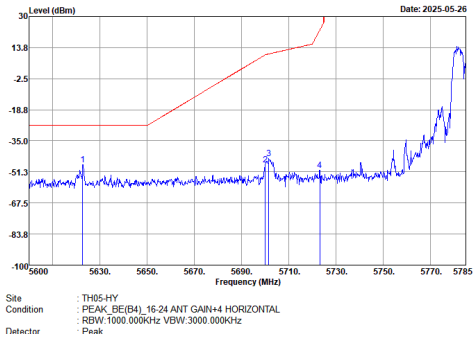
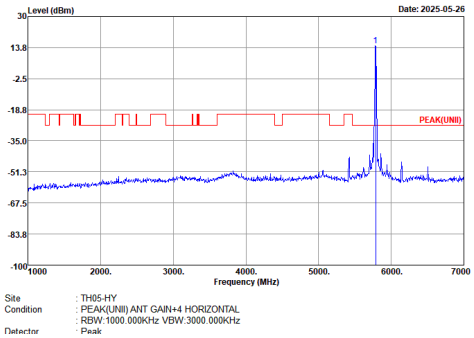
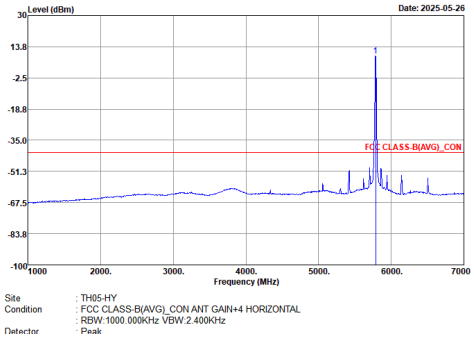
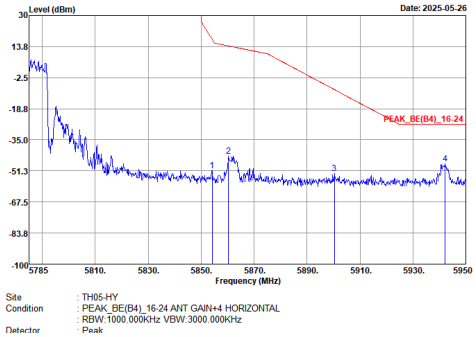
WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 26/4 CH157 5785MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	
Peak		Blank

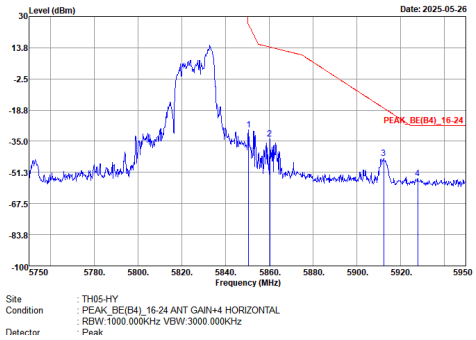
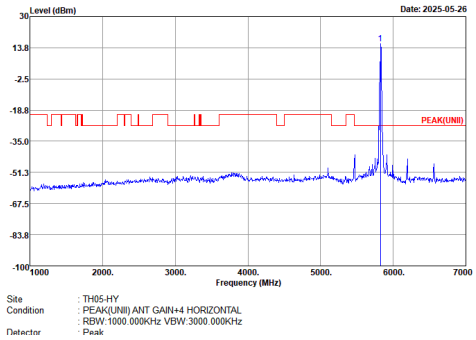
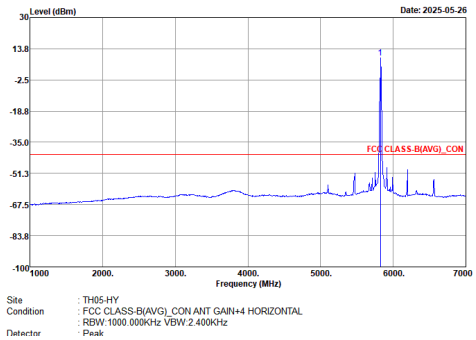
WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	

Band 4 5725~5850MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge)

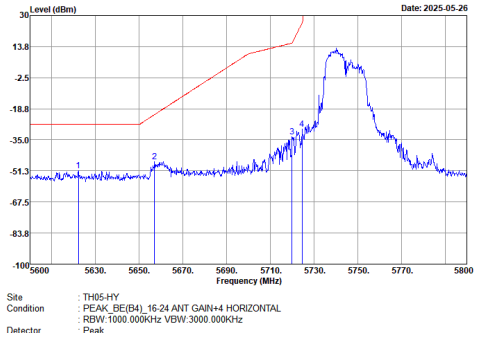
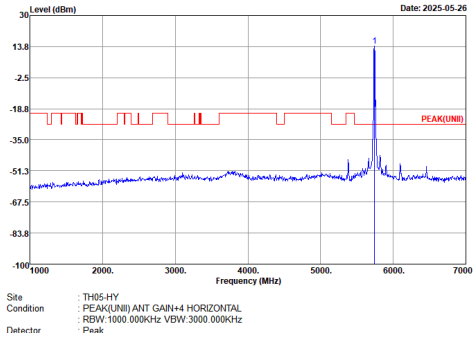
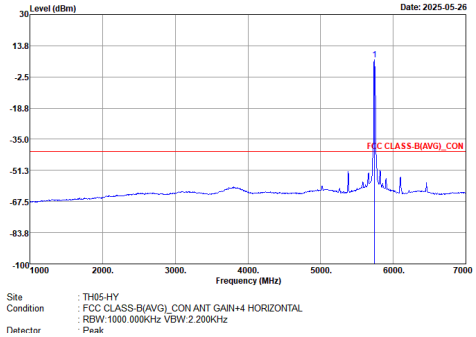
WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	

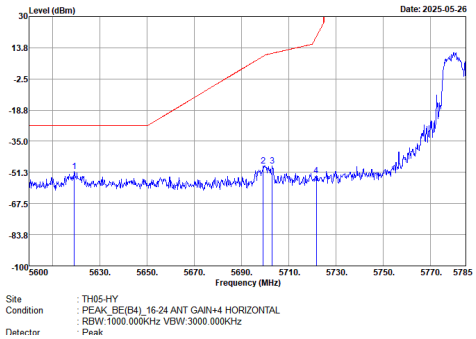
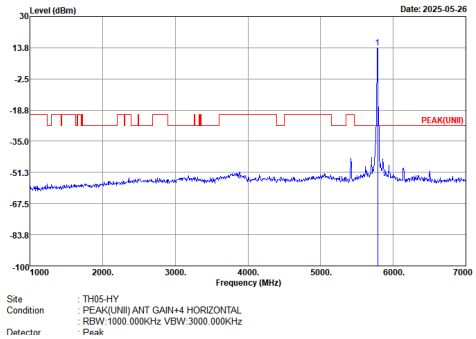
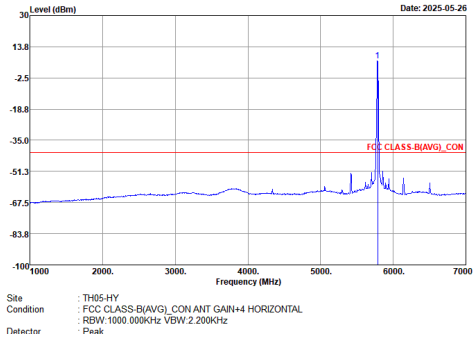
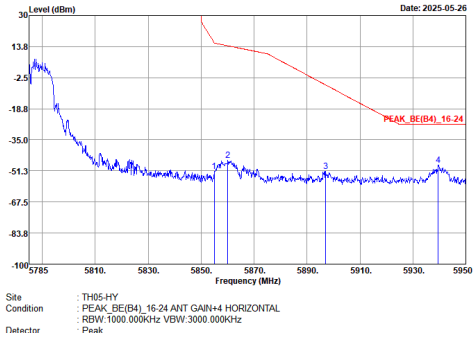
WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 52/38 CH157 5785MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	
Peak		Blank

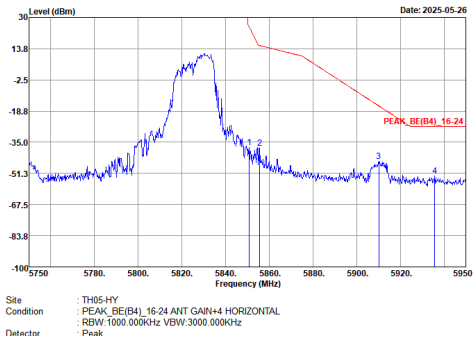
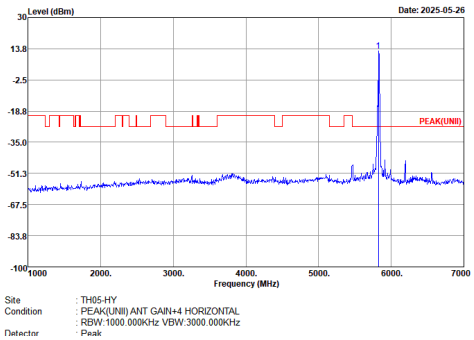
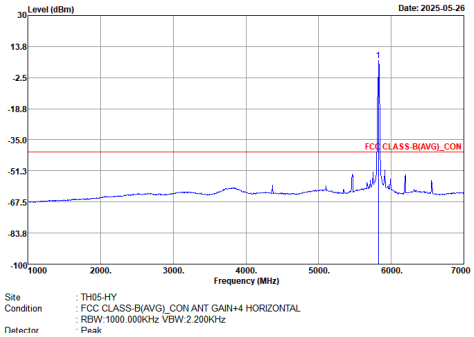
WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	

Band 4 5725~5850MHz

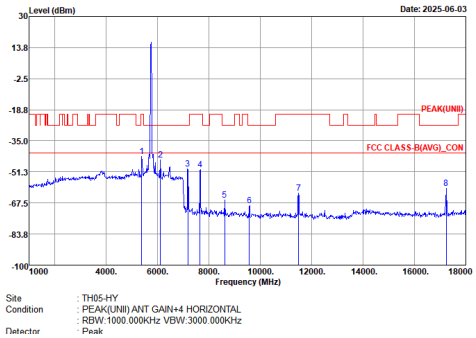
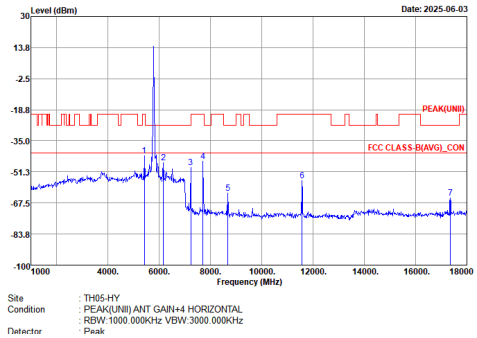
WIFI 802.11ax HE20 Partial 106 (Band Edge)

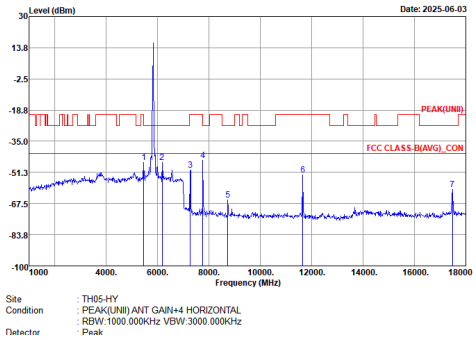
WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	

WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 52/38 CH157 5785MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	
Peak		Blank

WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Blank	

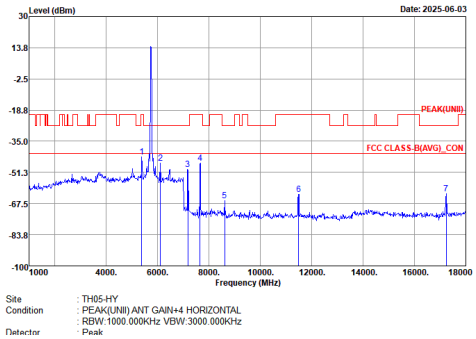
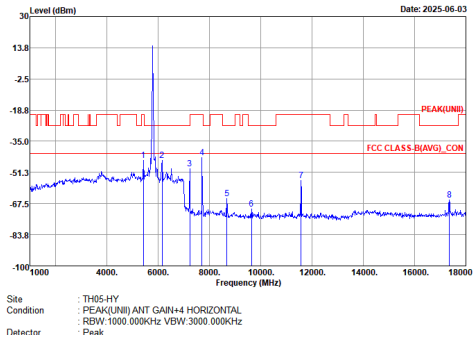
Band 4 5725~5850MHz
WIFI 802.11a (Harmonic)

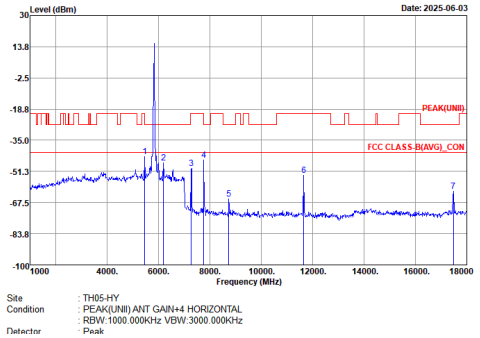
WIFI	Band 4 5725~5850MHz	
ANT	802.11a CH149 5745MHz	802.11a CH157 5785MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 4 5725~5850MHz	
ANT	802.11a CH165 5825MHz	Blank
1	Harmonic	
Peak Avg.		

Band 4 5725~5850MHz

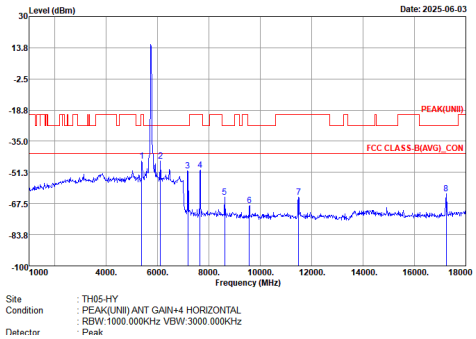
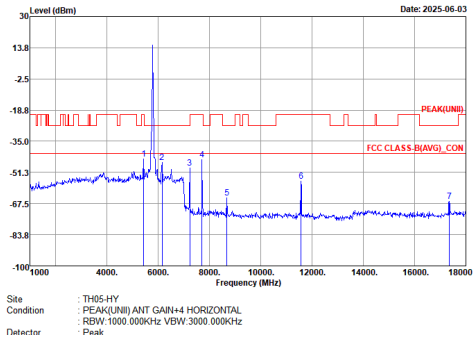
WIFI 802.11n HT20 (Harmonic)

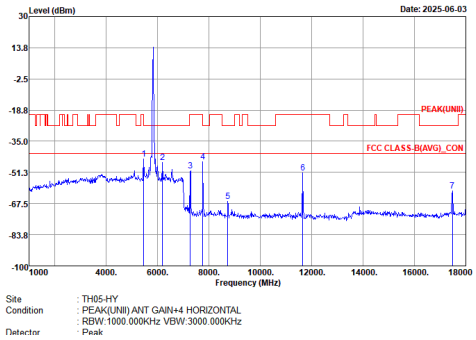
WIFI	Band 4 5725~5850MHz	
ANT	802.11n HT20 CH149 5745MHz	802.11n HT20 CH157 5785MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 4 5725~5850MHz	
ANT	802.11n HT20 CH165 5825MHz	Blank
1	Harmonic	
Peak Avg.		

Band 4 5725~5850MHz

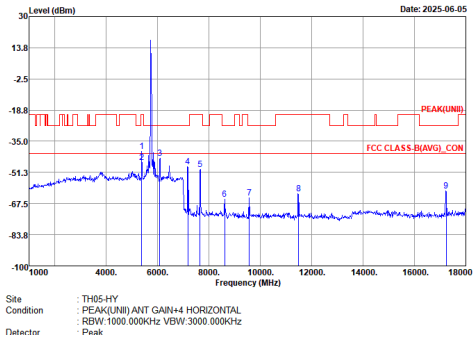
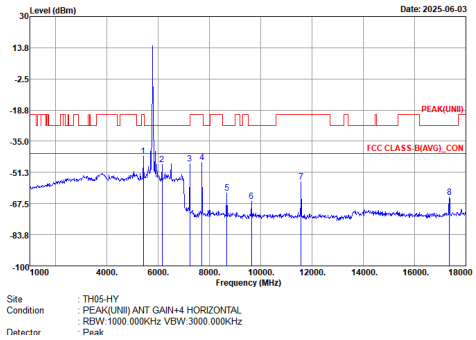
WIFI 802.11ax HE20 Full (Harmonic)

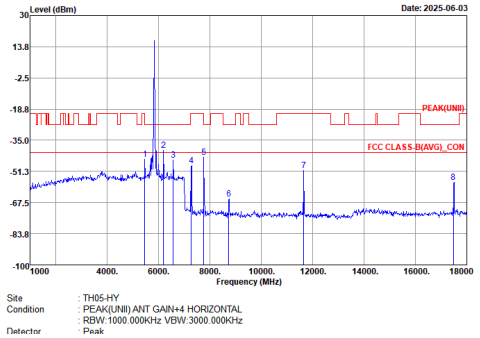
WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Full CH149 5745MHz	802.11ax HE20 Full CH157 5785MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Full CH165 5825MHz	Blank
1	Harmonic	
Peak Avg.		

Band 4 5725~5850MHz

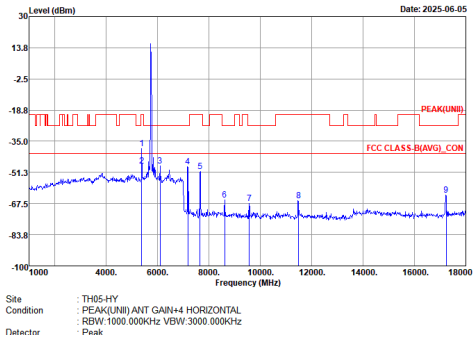
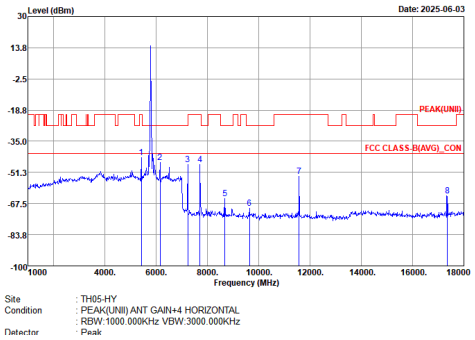
WIFI 802.11ax HE20 Partial 26 (Harmonic)

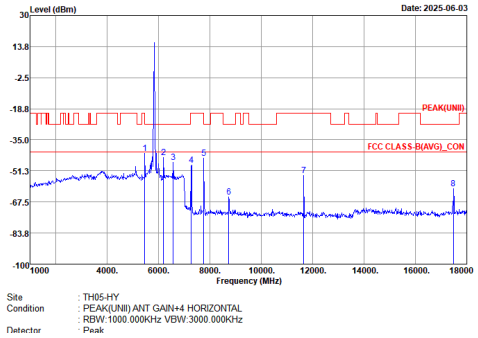
WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 26/0 CH149 5745MHz	802.11ax HE20 Partial 26/4 CH157 5785MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 26/8 CH165 5825MHz	Blank
1	Harmonic	
Peak Avg.		

Band 4 5725~5850MHz

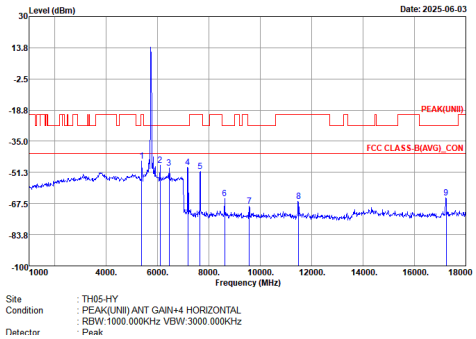
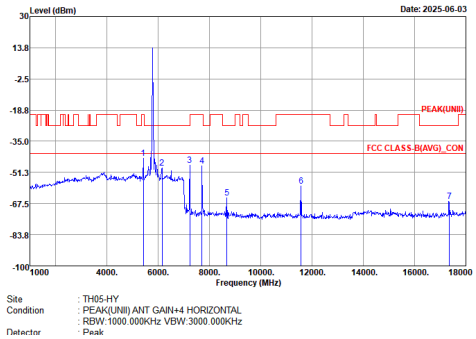
WIFI 802.11ax HE20 Partial 52 (Harmonic)

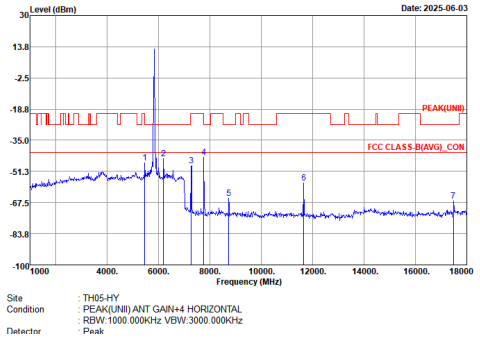
WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 52/37 CH149 5745MHz	802.11ax HE20 Partial 52/38 CH157 5785MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 52/40 CH165 5825MHz	Blank
1	Harmonic	
Peak Avg.		

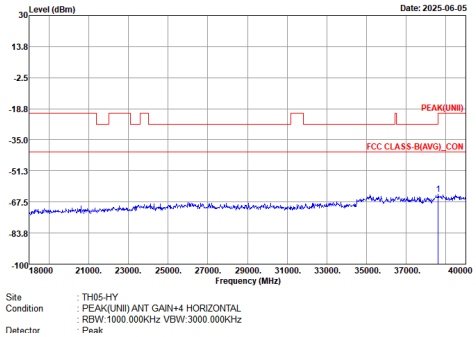
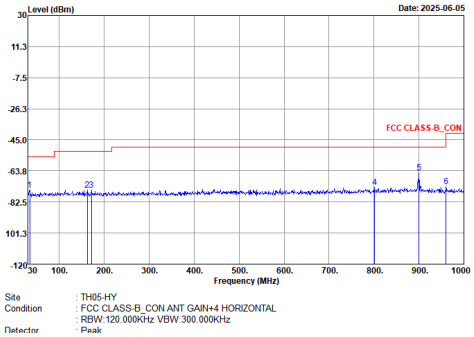
Band 4 5725~5850MHz

WIFI 802.11ax HE20 Partial 106 (Harmonic)

WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 106/53 CH149 5745MHz	802.11ax HE20 Partial 106/53 CH157 5785MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 106/54 CH165 5825MHz	Blank
1	Harmonic	
Peak Avg.		

WIFI 802.11ax HE20

WIFI	Band 4 5725~5850MHz	
ANT	802.11ax HE20 Partial 26RU0 SHF	802.11ax HE20 Partial 26RU0 LF
1	Emission above 18GHz	Emission below 1GHz
Peak		

Appendix E. Cabinet Radiated Spurious Emission Test Data

Test Engineer :	Daniel Lee, Fu Chen and Troye Hsieh	**Temperature :**	19.1~20.9°C
		Relative Humidity :	53.2~65.8%

Note symbol

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

E1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 57	U-NII-3	5.725-5.85	1	802.11a	149	5745	6Mbps	-	-
Mode 58	U-NII-3	5.725-5.85	1	802.11a	157	5785	6Mbps	-	-
Mode 59	U-NII-3	5.725-5.85	1	802.11a	165	5825	6Mbps	-	-
Mode 60	U-NII-3	5.725-5.85	1	802.11n HT20	149	5745	MCS0	Full RU	-
Mode 61	U-NII-3	5.725-5.85	1	802.11n HT20	157	5785	MCS0	Full RU	-
Mode 62	U-NII-3	5.725-5.85	1	802.11n HT20	165	5825	MCS0	Full RU	-
Mode 63	U-NII-3	5.725-5.85	1	802.11ax HE20	149	5745	MCS0	Full RU	-
Mode 64	U-NII-3	5.725-5.85	1	802.11ax HE20	157	5785	MCS0	Full RU	-
Mode 65	U-NII-3	5.725-5.85	1	802.11ax HE20	165	5825	MCS0	Full RU	-
Mode 66	U-NII-3	5.725-5.85	1	802.11ax HE20	149	5745	MCS0	26/0 RU	-
Mode 67	U-NII-3	5.725-5.85	1	802.11ax HE20	157	5785	MCS0	26/4 RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 68	U-NII-3	5.725-5.85	1	802.11ax HE20	165	5825	MCS0	26/8 RU	-
Mode 69	U-NII-3	5.725-5.85	1	802.11ax HE20	149	5745	MCS0	52/37 RU	-
Mode 70	U-NII-3	5.725-5.85	1	802.11ax HE20	157	5785	MCS0	52/38 RU	-
Mode 71	U-NII-3	5.725-5.85	1	802.11ax HE20	165	5825	MCS0	52/40 RU	-
Mode 72	U-NII-3	5.725-5.85	1	802.11ax HE20	149	5745	MCS0	106/53 RU	-
Mode 73	U-NII-3	5.725-5.85	1	802.11ax HE20	157	5785	MCS0	106/53 RU	-
Mode 74	U-NII-3	5.725-5.85	1	802.11ax HE20	165	5825	MCS0	106/54 RU	-
Mode 75	U-NII-3	5.725-5.85	1	802.11ax HE20	157	5785	MCS0	52/38 RU	SHF
Mode 76	U-NII-3	5.725-5.85	1	802.11ax HE20	157	5785	MCS0	52/38 RU	LF

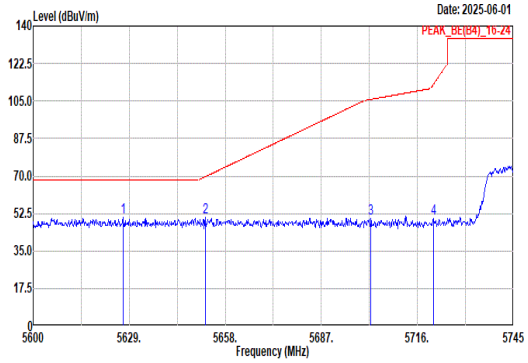
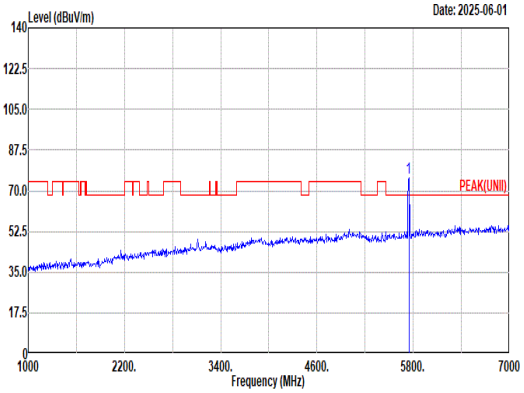
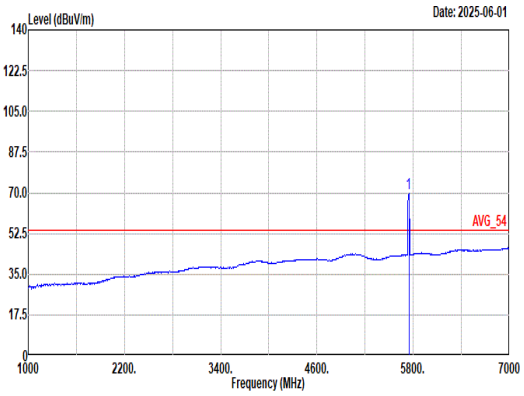
E2. Summary of each worse mode

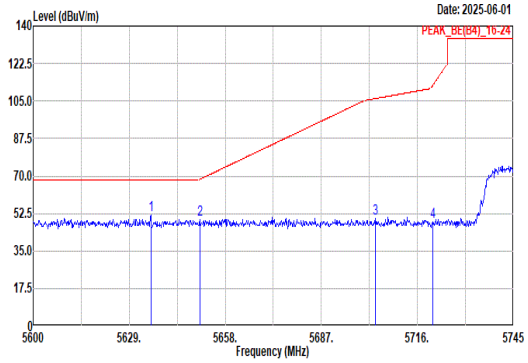
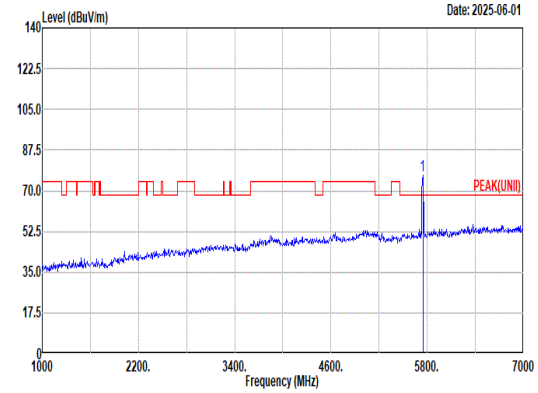
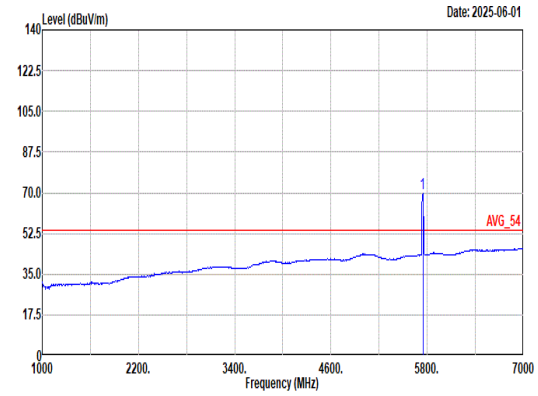
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
57	802.11a	149	5635.53	51.78	68.20	-16.42	V	Peak	Pass	-	Band Edge
	802.11a	149	7660.00	45.65	54.00	-8.35	V	Avg.	Pass	-	Harmonic
58	802.11a	157	5942.08	52.35	68.20	-15.85	H	Peak	Pass	-	Band Edge
	802.11a	157	7713.33	46.75	54.00	-7.25	V	Avg.	Pass	-	Harmonic
59	802.11a	165	5948.25	52.09	68.20	-16.11	H	Peak	Pass	-	Band Edge
	802.11a	165	11650.00	45.64	54.00	-8.36	V	Avg.	Pass	-	Harmonic
60	802.11n HT20	149	5623.06	51.36	68.20	-16.84	H	Peak	Pass	Full RU	Band Edge
	802.11n HT20	149	7660.00	45.44	54.00	-8.56	V	Avg.	Pass	Full RU	Harmonic
61	802.11n HT20	157	5930.20	52.37	68.20	-15.83	H	Peak	Pass	Full RU	Band Edge
	802.11n HT20	157	17355.00	49.37	68.20	-18.83	H	Peak	Pass	Full RU	Harmonic
62	802.11n HT20	165	5926.38	52.17	68.20	-16.03	V	Peak	Pass	Full RU	Band Edge
	802.11n HT20	165	7766.67	51.62	68.20	-16.58	V	Peak	Pass	Full RU	Harmonic

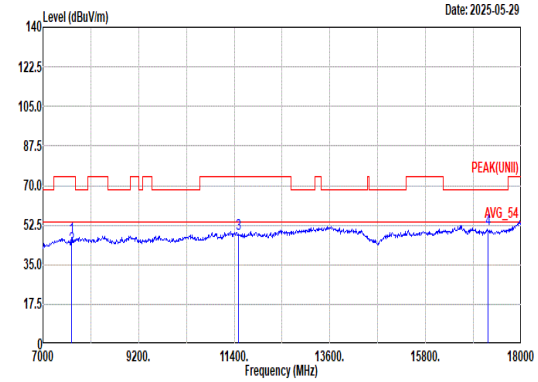
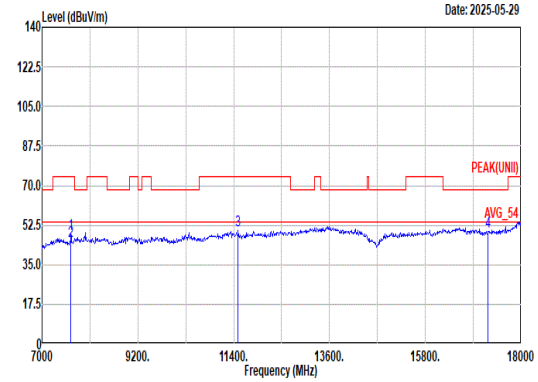
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
63	802.11ax HE20	149	5615.52	51.10	68.20	-17.10	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	149	7660.00	46.84	54.00	-7.16	V	Avg.	Pass	Full RU	Harmonic
64	802.11ax HE20	157	5932.51	51.58	68.20	-16.62	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	157	7713.33	47.67	54.00	-6.33	V	Avg.	Pass	Full RU	Harmonic
65	802.11ax HE20	165	5946.38	51.62	68.20	-16.58	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	165	11650.00	44.04	54.00	-9.96	V	Avg.	Pass	Full RU	Harmonic
66	802.11ax HE20	149	5632.48	50.28	68.20	-17.92	H	Peak	Pass	26/0 RU	Band Edge
	802.11ax HE20	149	7660.00	45.62	54.00	-8.38	V	Avg.	Pass	26/0 RU	Harmonic
67	802.11ax HE20	157	5930.37	52.17	68.20	-16.03	V	Peak	Pass	26/4 RU	Band Edge
	802.11ax HE20	157	7715.00	45.67	54.00	-8.33	V	Avg.	Pass	26/4 RU	Harmonic

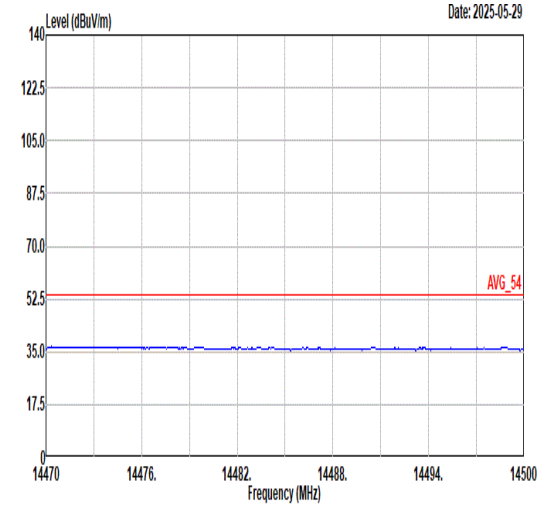
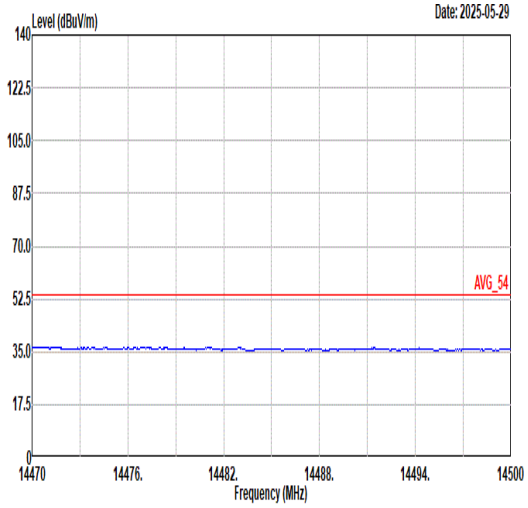
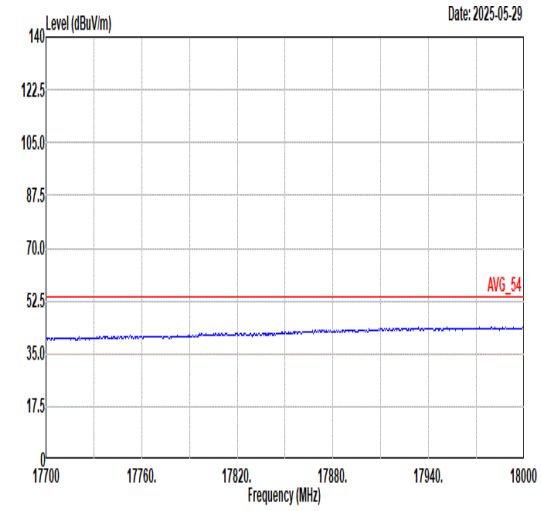
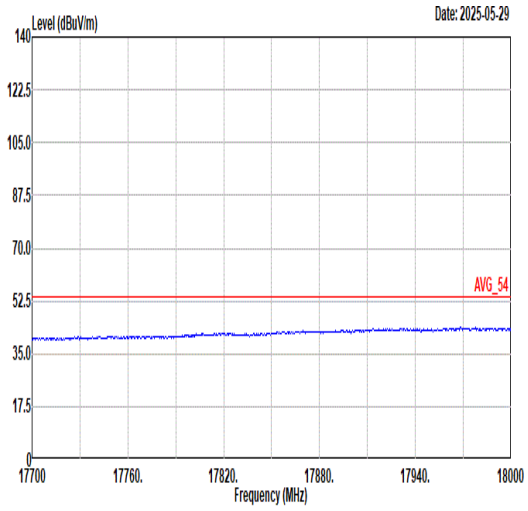
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
68	802.11ax HE20	165	5930.25	52.33	68.20	-15.87	H	Peak	Pass	26/8 RU	Band Edge
	802.11ax HE20	165	7770.00	51.18	68.20	-17.02	V	Peak	Pass	26/8 RU	Harmonic
69	802.11ax HE20	149	5622.33	52.69	68.20	-15.51	H	Peak	Pass	52/37 RU	Band Edge
	802.11ax HE20	149	7660.00	45.48	54.00	-8.52	V	Avg.	Pass	52/37 RU	Harmonic
70	802.11ax HE20	157	5944.89	53.14	68.20	-15.06	V	Peak	Pass	52/38 RU	Band Edge
	802.11ax HE20	157	7715.00	47.80	54.00	-6.20	V	Avg.	Pass	52/38 RU	Harmonic
71	802.11ax HE20	165	5927.13	52.36	68.20	-15.84	V	Peak	Pass	52/40 RU	Band Edge
	802.11ax HE20	165	17475.00	48.36	68.20	-19.84	H	Peak	Pass	52/40 RU	Harmonic
72	802.11ax HE20	149	5619.87	51.54	68.20	-16.66	H	Peak	Pass	106/53 RU	Band Edge
	802.11ax HE20	149	7660.00	46.05	54.00	-7.95	V	Avg.	Pass	106/53 RU	Harmonic
73	802.11ax HE20	157	5947.20	53.17	68.20	-15.03	H	Peak	Pass	106/53 RU	Band Edge
	802.11ax HE20	157	7713.33	46.15	54.00	-7.85	V	Avg.	Pass	106/53 RU	Harmonic

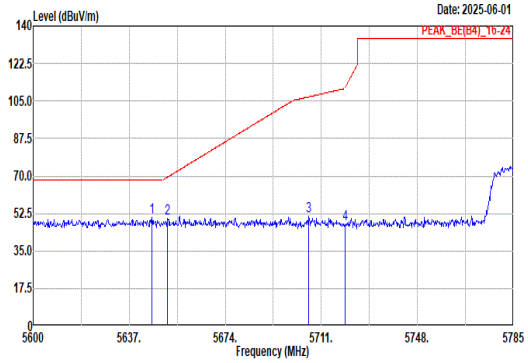
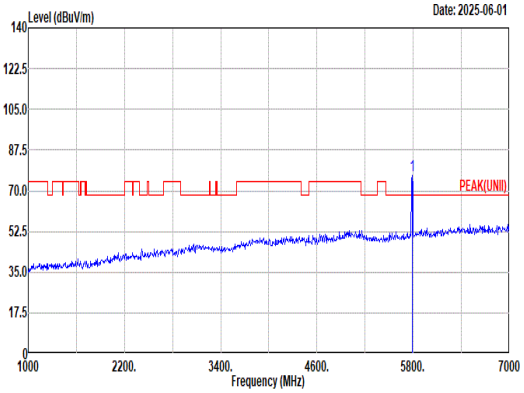
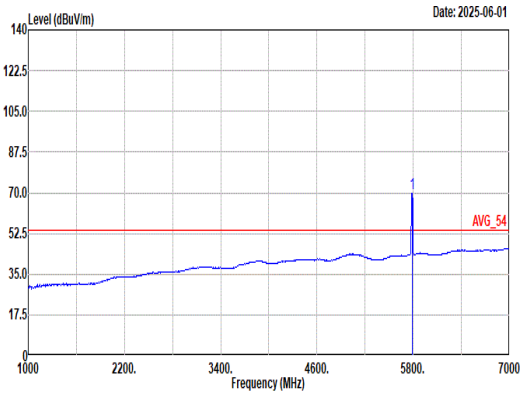
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
74	802.11ax HE20	165	5937.13	52.48	68.20	-15.72	H	Peak	Pass	106/54 RU	Band Edge
	802.11ax HE20	165	17475.00	49.35	68.20	-18.85	H	Peak	Pass	106/54 RU	Harmonic
75	SHF	157	39519.46	39.80	54.00	-14.20	V	Avg.	Pass	-	SHF
76	LF	157	664.38	39.95	46.00	-6.05	V	Peak	Pass	-	LF

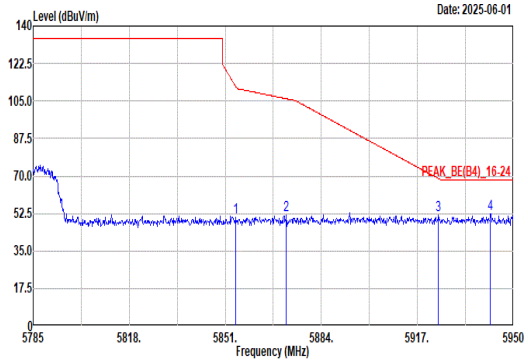
Mode	57	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5627.12 50.95 68.20 -17.25 40.45 32.91 10.37 32.78 0.00 400 76 PEAK 2 5651.91 50.64 69.62 -18.98 40.08 33.02 10.33 32.79 0.00 400 76 PEAK 3 5701.94 50.43 105.74 -55.31 39.59 33.40 10.25 32.81 0.00 400 76 PEAK 4 5720.79 50.37 112.59 -62.22 39.53 33.44 10.21 32.81 0.00 400 76 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 75.63 ------ ------ 64.79 33.49 10.17 32.82 0.00 400 76 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:1.100kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 69.62 ------ ------ 58.78 33.49 10.17 32.82 0.00 400 76 AVERAGE

Mode	57	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5635.53 51.78 68.20 -16.42 41.26 32.94 10.36 32.78 0.00 400 174 PEAK 2 5650.32 49.43 68.43 -19.00 38.89 33.00 10.33 32.79 0.00 400 174 PEAK 3 5703.24 50.03 106.11 -56.08 39.19 33.41 10.24 32.81 0.00 400 174 PEAK 4 5720.64 48.39 112.26 -63.87 37.55 33.44 10.21 32.81 0.00 400 174 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 76.82 ------ ------ 65.98 33.49 10.17 32.82 0.00 400 174 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:1.100kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 69.81 ------ ------ 58.97 33.49 10.17 32.82 0.00 400 174 AVERAGE

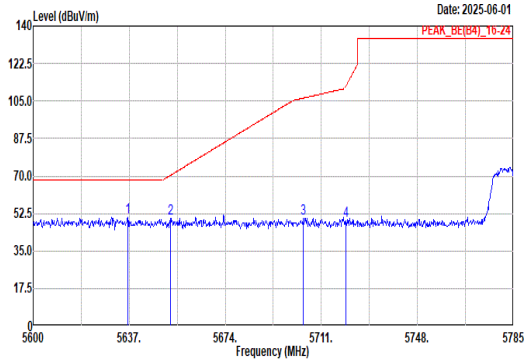
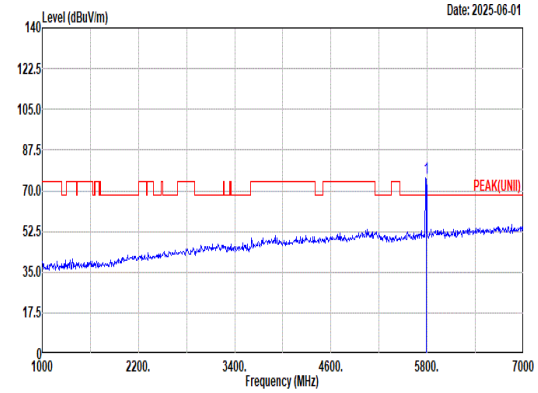
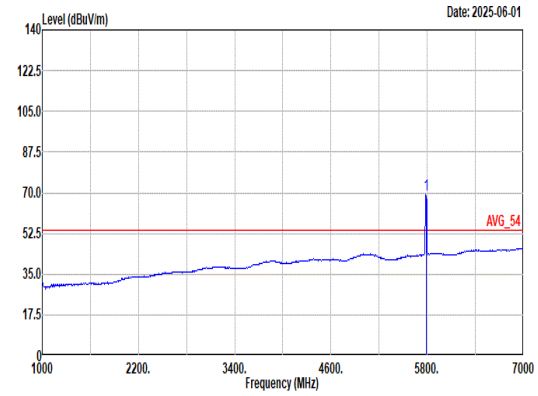
Mode	57	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7660.00 47.00 74.00 -27.00 61.92 36.22 14.12 66.06 0.80 150 215 PEAK 2 7660.00 42.81 54.00 -11.19 57.73 36.22 14.12 66.06 0.80 150 215 Average 3 11490.00 48.50 74.00 -25.50 57.79 38.98 17.48 66.11 0.36 -- -- PEAK 4 17235.00 50.49 68.20 -17.71 56.12 38.34 21.58 65.99 0.44 -- -- PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7660.00 48.81 74.00 -25.19 63.73 36.22 14.12 66.06 0.80 250 325 PEAK 2 7660.00 45.65 54.00 -8.35 60.57 36.22 14.12 66.06 0.80 250 325 Average 3 11490.00 50.13 74.00 -23.87 59.42 38.98 17.48 66.11 0.36 -- -- PEAK 4 17235.00 49.72 68.20 -18.48 55.35 38.34 21.58 65.99 0.44 -- -- PEAK

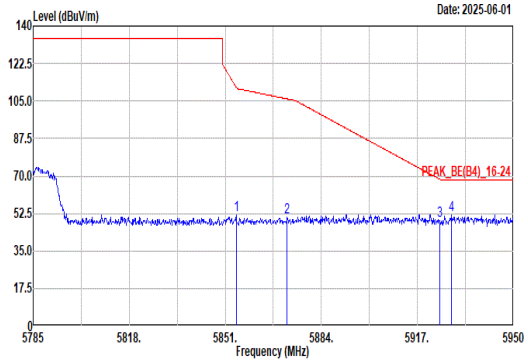
Mode	57	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL
17.7G ~18G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL

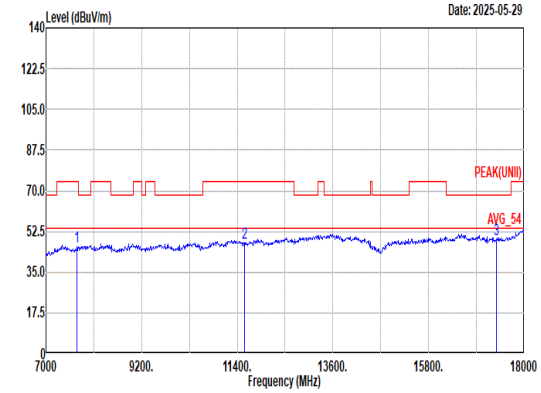
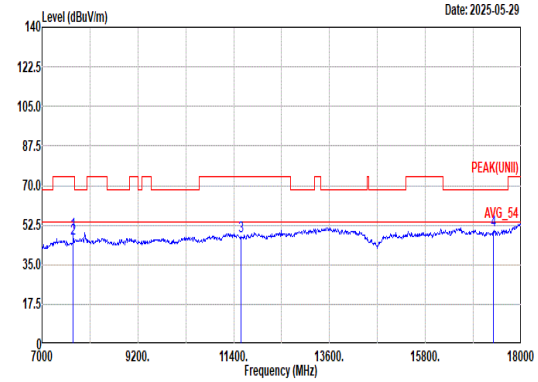
Mode	58	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5645.70 50.83 68.20 -17.37 40.30 32.98 10.34 32.79 0.00 395 327 PEAK 2 5651.80 50.31 69.54 -19.23 39.76 33.01 10.33 32.79 0.00 395 327 PEAK 3 5706.19 51.01 106.94 -55.93 40.17 33.41 10.24 32.81 0.00 395 327 PEAK 4 5720.07 47.46 110.95 -63.49 36.61 33.44 10.22 32.81 0.00 395 327 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 76.85 ------ ------ 65.94 33.65 10.10 32.84 0.00 395 327 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:1.100kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 69.81 ------ ------ 58.91 33.63 10.11 32.84 0.00 395 327 AVERAGE

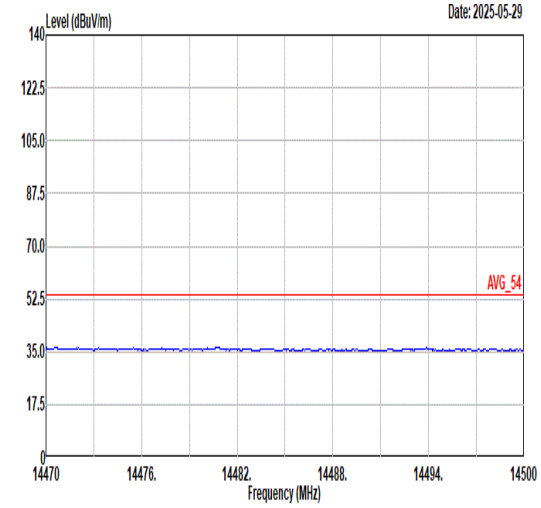
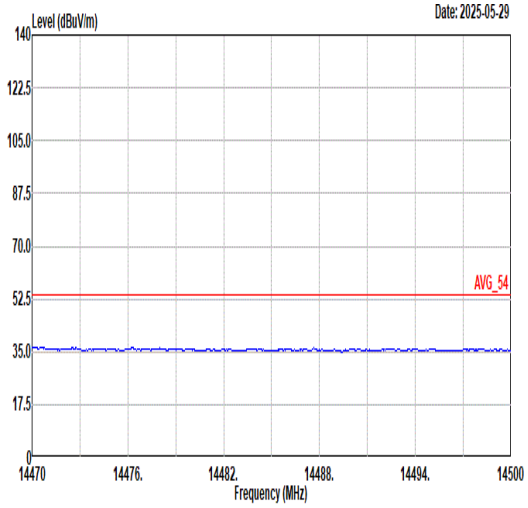
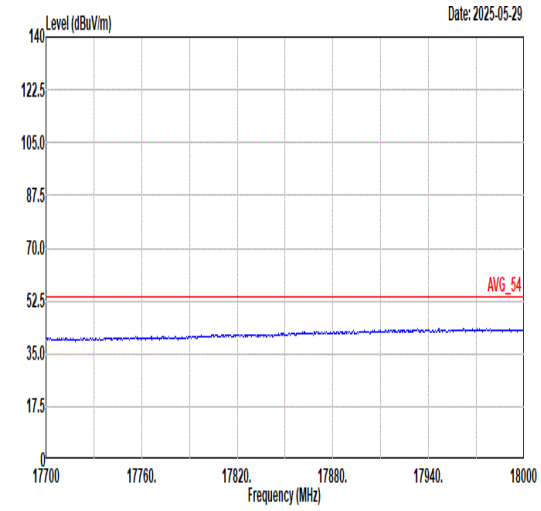
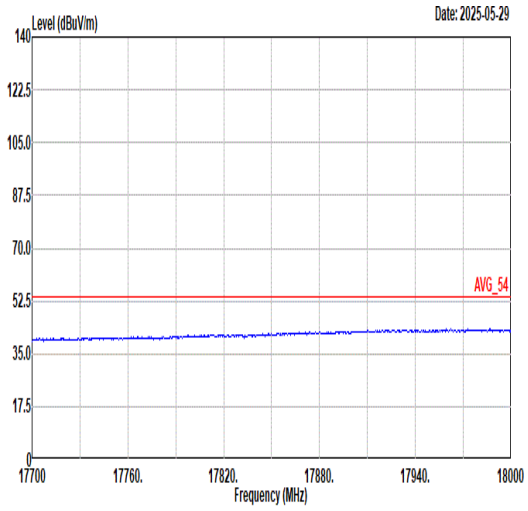
Mode	58	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.63 50.49 111.64 -61.15 39.08 34.02 10.25 32.86 0.00 395 327 PEAK 2 5871.96 51.52 106.05 -54.53 39.99 34.09 10.31 32.87 0.00 395 327 PEAK 3 5924.26 51.54 68.75 -17.21 39.75 34.20 10.48 32.89 0.00 395 327 PEAK 4 5942.08 52.35 68.20 -15.85 40.52 34.20 10.53 32.90 0.00 395 327 PEAK	Blank

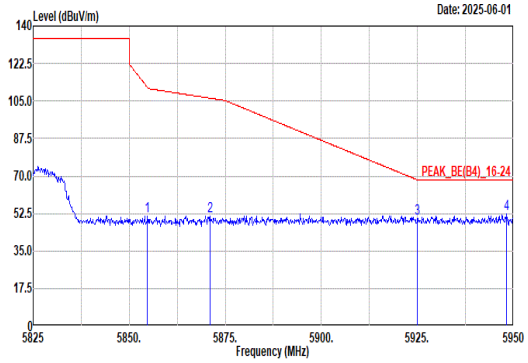
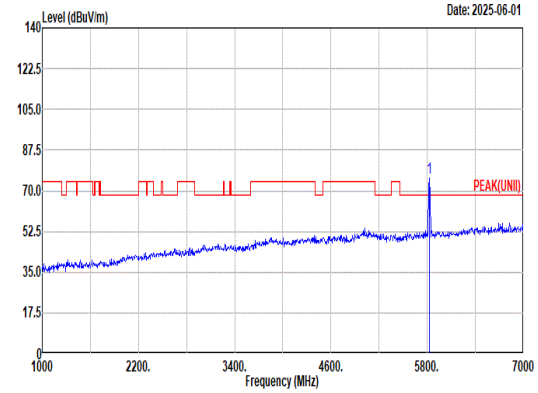
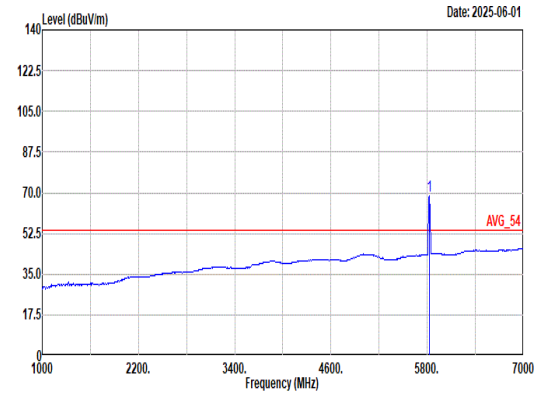
Mode	58
	Band Edge - L
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz
ANT	1

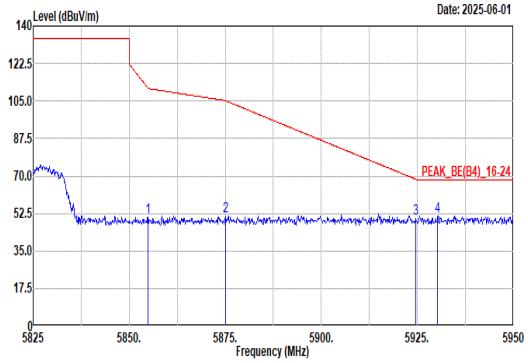
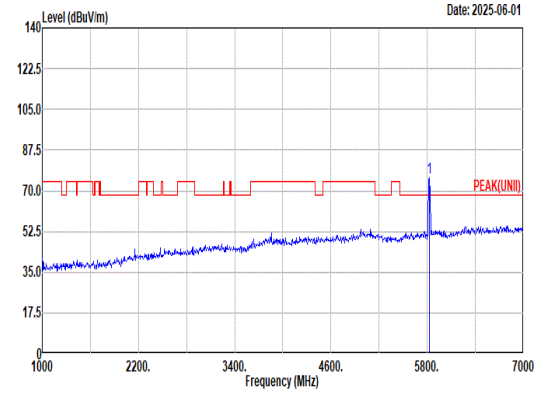
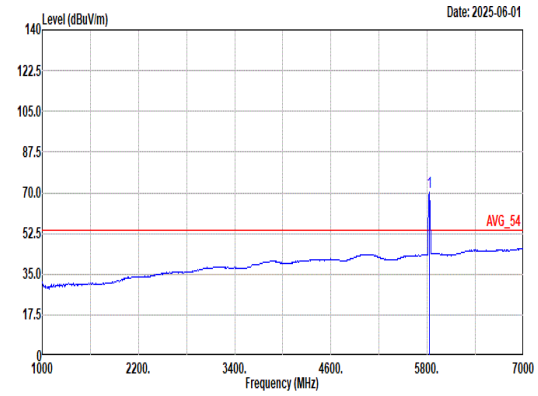
Pol.	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5636.45 50.76 68.20 -17.44 40.23 32.95 10.36 32.78 0.00 400 172 PEAK 2 5652.91 50.25 70.36 -20.11 39.69 33.02 10.33 32.79 0.00 400 172 PEAK 3 5703.97 49.94 106.31 -56.37 39.10 33.41 10.24 32.81 0.00 400 172 PEAK 4 5720.44 48.90 111.79 -62.89 38.05 33.44 10.22 32.81 0.00 400 172 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 75.39 ------ ------ 64.49 33.63 10.11 32.84 0.00 400 172 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:1.100kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 69.30 ------ ------ 58.40 33.63 10.11 32.84 0.00 400 172 AVERAGE

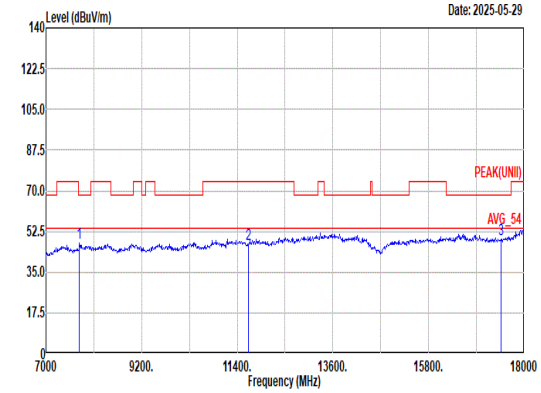
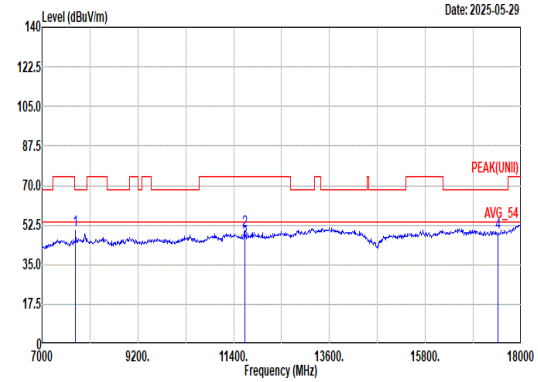
Mode	58	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.80 51.87 111.27 -59.40 40.45 34.02 10.26 32.86 0.00 400 172 PEAK 2 5872.29 50.57 105.96 -55.39 39.04 34.09 10.31 32.87 0.00 400 172 PEAK 3 5924.59 49.26 68.50 -19.24 37.47 34.20 10.48 32.89 0.00 400 172 PEAK 4 5928.72 51.71 68.20 -16.49 39.91 34.20 10.49 32.89 0.00 400 172 PEAK	Blank

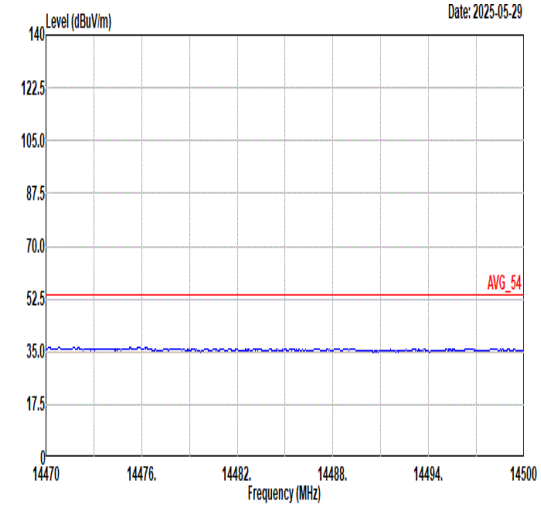
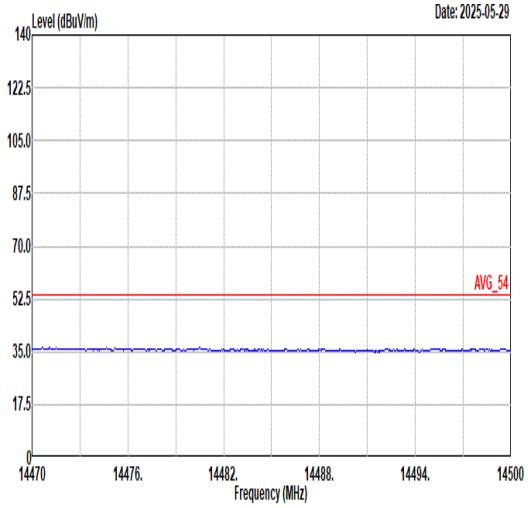
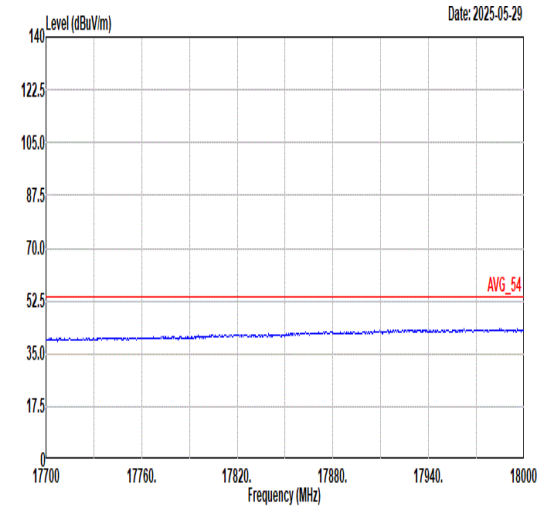
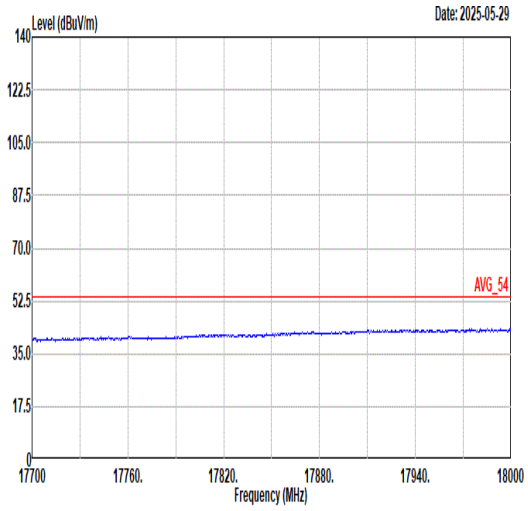
Mode	58	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7713.33 46.07 74.00 -27.93 60.84 36.35 14.16 66.09 0.81 -- -- PEAK 2 11570.00 47.77 74.00 -26.23 57.25 38.68 17.55 66.07 0.36 -- -- PEAK 3 17355.00 49.01 68.20 -19.19 54.49 38.50 21.65 66.08 0.45 -- -- PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7713.33 49.28 74.00 -24.72 64.05 36.35 14.16 66.09 0.81 250 329 PEAK 2 7713.33 46.75 54.00 -7.25 61.52 36.35 14.16 66.09 0.81 250 329 Average 3 11570.00 47.72 74.00 -26.28 57.20 38.68 17.55 66.07 0.36 -- -- PEAK 4 17355.00 50.39 68.20 -17.81 55.87 38.50 21.65 66.08 0.45 -- -- PEAK

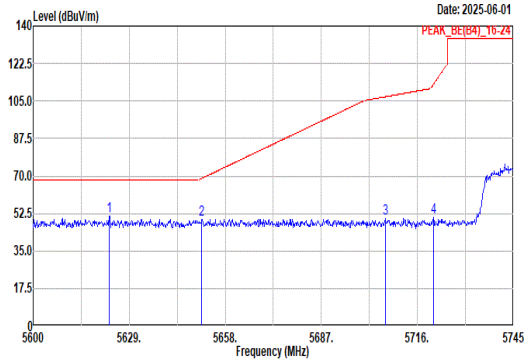
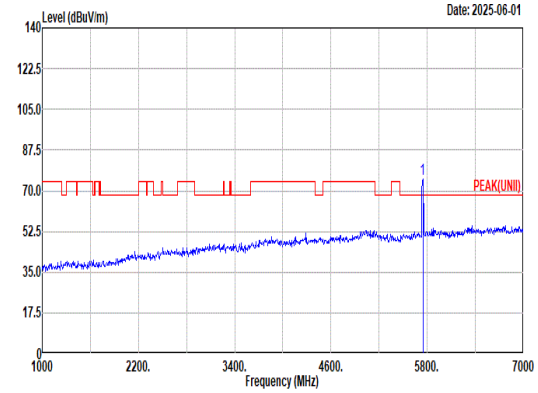
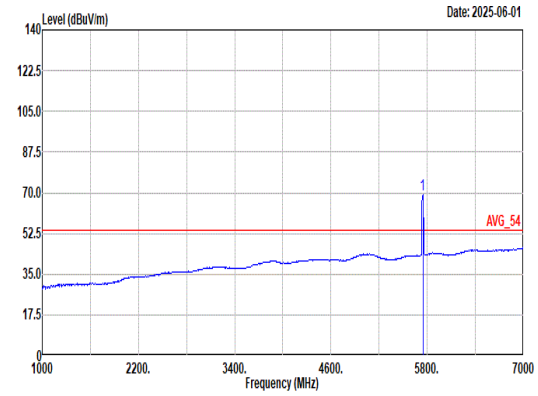
Mode	58	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL
17.7G ~18G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL

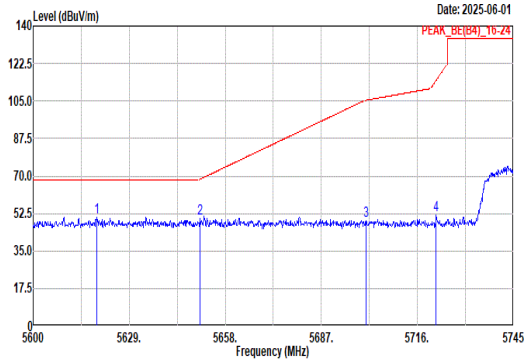
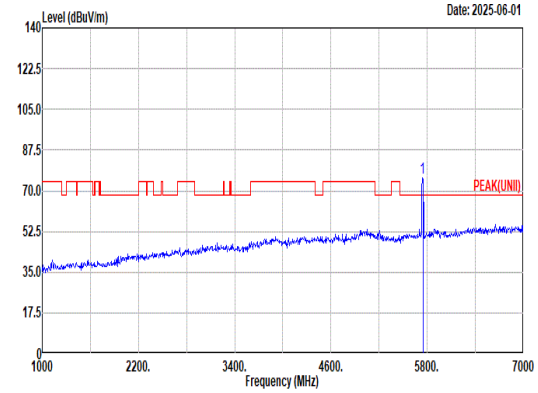
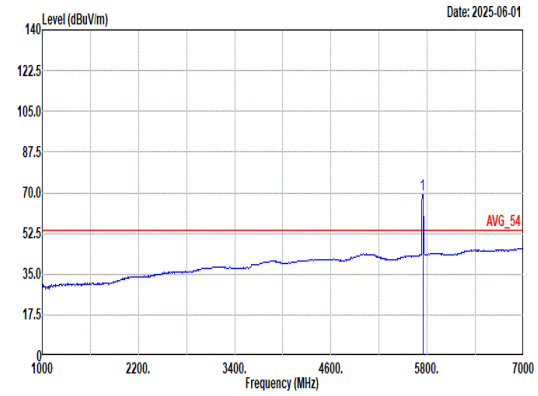
Mode	59	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.75 51.20 111.37 -60.17 39.78 34.02 10.26 32.86 0.00 148 68 PEAK 2 5871.00 51.16 106.32 -55.16 39.64 34.08 10.31 32.87 0.00 148 68 PEAK 3 5925.00 49.99 68.20 -18.21 38.20 34.20 10.48 32.89 0.00 148 68 PEAK 4 5948.25 52.09 68.20 -16.11 40.24 34.20 10.55 32.90 0.00 148 68 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 75.46 ------ ------ 64.26 33.88 10.18 32.86 0.00 148 68 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:1.100kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 68.79 ------ ------ 57.64 33.84 10.16 32.85 0.00 148 68 AVERAGE

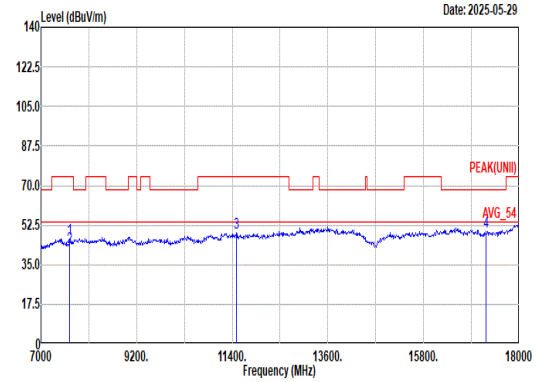
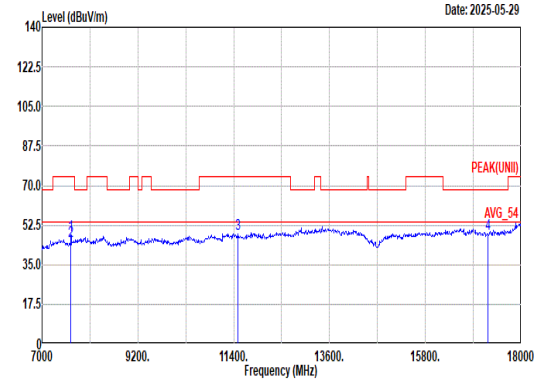
Mode	59	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.88 50.52 111.08 -60.56 39.10 34.02 10.26 32.86 0.00 391 169 PEAK 2 5875.00 50.99 105.20 -54.21 39.44 34.10 10.32 32.87 0.00 391 169 PEAK 3 5924.50 50.20 68.57 -18.37 38.41 34.20 10.48 32.89 0.00 391 169 PEAK 4 5930.25 51.49 68.20 -16.71 39.68 34.20 10.50 32.89 0.00 391 169 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 75.43 ------ ------ 64.28 33.84 10.16 32.85 0.00 391 169 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:1.100kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 70.06 ------ ------ 58.91 33.84 10.16 32.85 0.00 391 169 AVERAGE

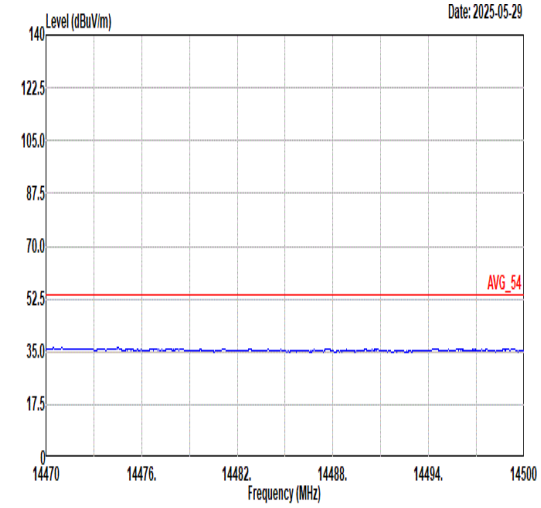
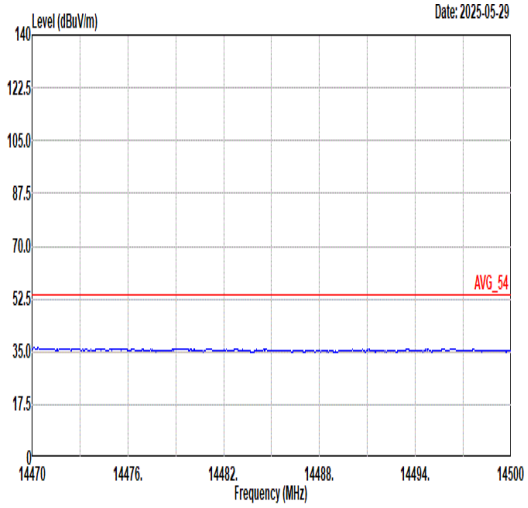
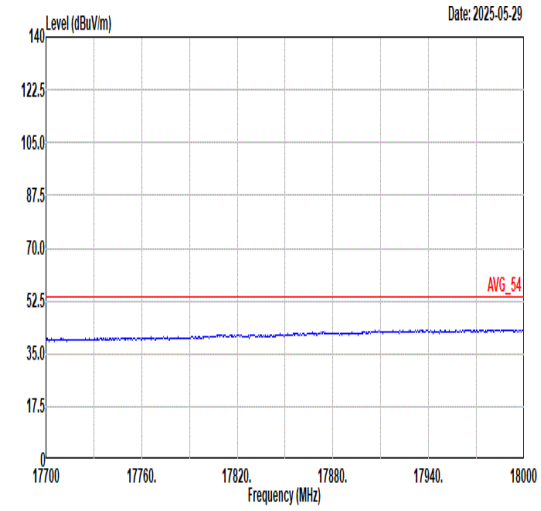
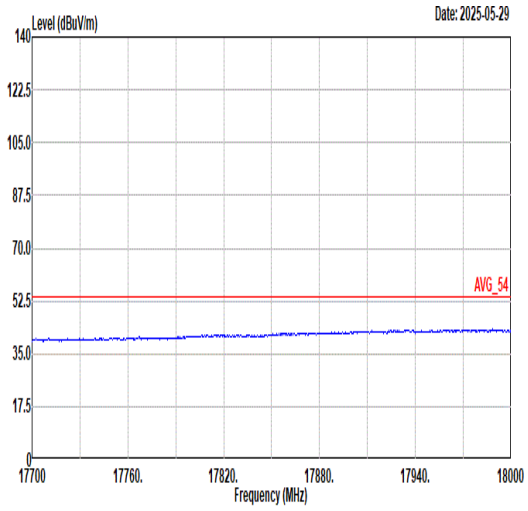
Mode	59	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7766.67 47.37 68.20 -20.83 61.90 36.57 14.20 66.11 0.81 400 88 PEAK 2 11650.00 46.85 74.00 -27.15 56.50 38.40 17.62 66.04 0.37 -- -- PEAK 3 17475.00 49.24 68.20 -18.96 54.73 38.50 21.73 66.18 0.46 -- -- PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7766.67 49.95 68.20 -18.25 64.48 36.57 14.20 66.11 0.81 250 334 PEAK 2 11650.00 50.13 74.00 -23.87 59.78 38.40 17.62 66.04 0.37 150 260 PEAK 3 11650.00 45.64 54.00 -8.36 55.29 38.40 17.62 66.04 0.37 150 260 Average 4 17475.00 48.92 68.20 -19.28 54.41 38.50 21.73 66.18 0.46 -- -- PEAK

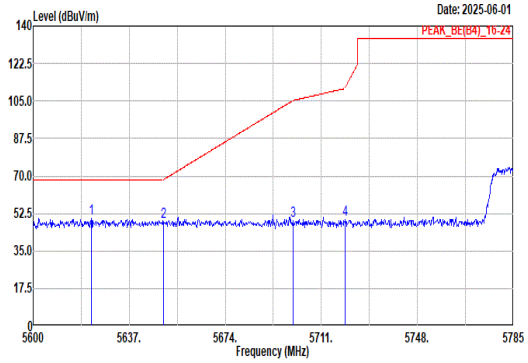
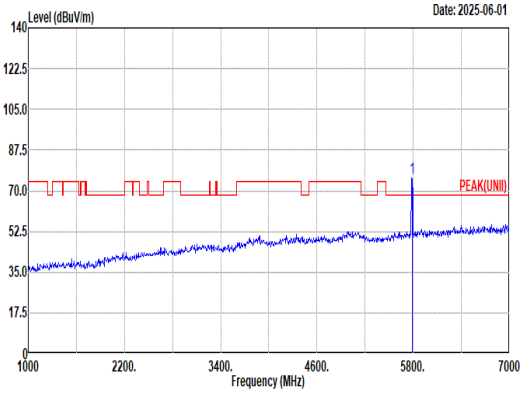
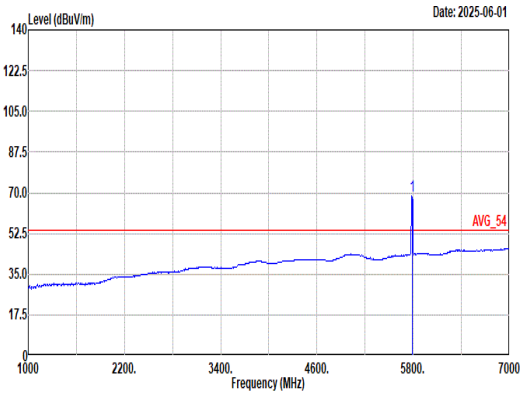
Mode	59	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL
17.7G ~18G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL

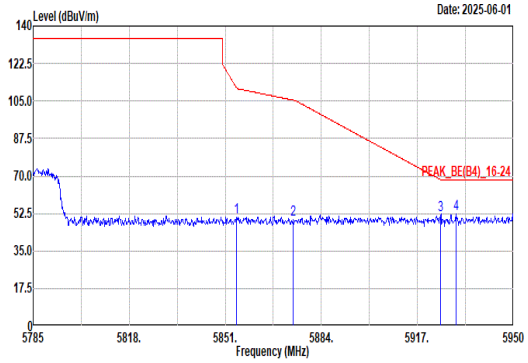
Mode	60	
	Band Edge	
	U-NII-3_5.725-5.85_802.11n HT20_CH149_Full RU_5745MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5623.06 51.36 68.20 -16.84 40.87 32.89 10.38 32.78 0.00 400 327 PEAK 2 5650.90 49.62 68.87 -19.25 39.07 33.01 10.33 32.79 0.00 400 327 PEAK 3 5706.29 50.23 106.96 -56.73 39.39 33.41 10.24 32.81 0.00 400 327 PEAK 4 5720.79 50.55 112.59 -62.04 39.71 33.44 10.21 32.81 0.00 400 327 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 74.93 ------ ------ 64.09 33.49 10.17 32.82 0.00 400 327 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:1.200kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 69.10 ------ ------ 58.26 33.49 10.17 32.82 0.00 400 327 AVERAGE

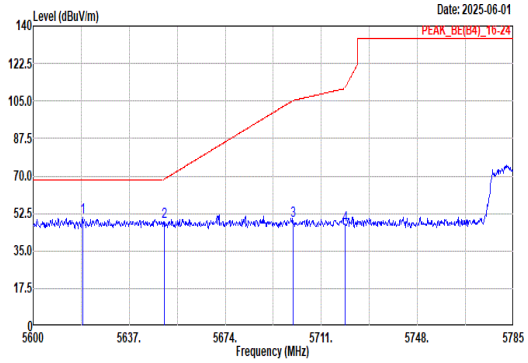
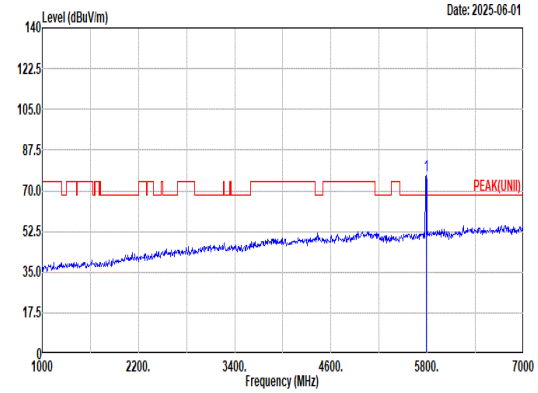
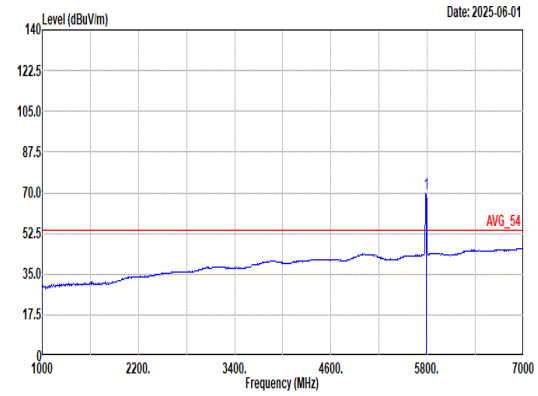
Mode	60	
	Band Edge	
	U-NII-3_5.725-5.85_802.11n HT20_CH149_Full RU_5745MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5619.29 50.63 68.20 -17.57 40.14 32.88 10.39 32.78 0.00 400 171 PEAK 2 5650.46 50.33 68.54 -18.21 39.79 33.00 10.33 32.79 0.00 400 171 PEAK 3 5700.49 49.24 105.34 -56.10 38.40 33.40 10.25 32.81 0.00 400 171 PEAK 4 5721.66 51.52 114.57 -63.05 40.68 33.44 10.21 32.81 0.00 400 171 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 75.29 ------ ------ 64.45 33.48 10.18 32.82 0.00 400 171 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:1.200kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 69.09 ------ ------ 58.25 33.49 10.17 32.82 0.00 400 171 AVERAGE

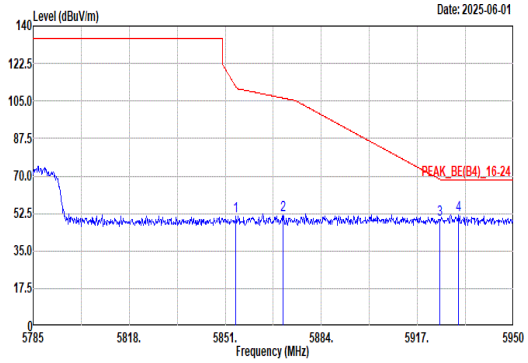
Mode	60	
	Harmonic	
	U-NII-3_5.725-5.85_802.11n HT20_CH149_Full RU_5745MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7660.00 46.50 74.00 -27.50 61.42 36.22 14.12 66.06 0.80 150 218 PEAK 2 7660.00 42.93 54.00 -11.07 57.85 36.22 14.12 66.06 0.80 150 218 Average 3 11490.00 49.09 74.00 -24.91 58.38 38.98 17.48 66.11 0.36 -- -- PEAK 4 17235.00 49.49 68.20 -18.71 55.12 38.34 21.58 65.99 0.44 -- -- PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7660.00 48.08 74.00 -25.92 63.00 36.22 14.12 66.06 0.80 250 324 PEAK 2 7660.00 45.44 54.00 -8.56 60.36 36.22 14.12 66.06 0.80 250 324 Average 3 11490.00 48.39 74.00 -25.61 57.68 38.98 17.48 66.11 0.36 -- -- PEAK 4 17235.00 48.82 68.20 -19.38 54.45 38.34 21.58 65.99 0.44 -- -- PEAK

Mode	60	
	Harmonic	
	U-NII-3_5.725-5.85_802.11n HT20_CH149_Full RU_5745MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL
17.7G ~18G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL

Mode	61	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11n HT20_CH157_Full RU_5785MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5622.39 49.97 68.20 -18.23 39.48 32.89 10.38 32.78 0.00 393 328 PEAK 2 5650.14 48.45 68.30 -19.85 37.91 33.00 10.33 32.79 0.00 393 328 PEAK 3 5700.09 49.27 105.22 -55.95 38.43 33.40 10.25 32.81 0.00 393 328 PEAK 4 5720.25 49.61 111.37 -61.76 38.76 33.44 10.22 32.81 0.00 393 328 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 75.39 ------ ------ 64.49 33.63 10.11 32.84 0.00 393 328 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:1.200kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 68.75 ------ ------ 57.85 33.63 10.11 32.84 0.00 393 328 AVERAGE

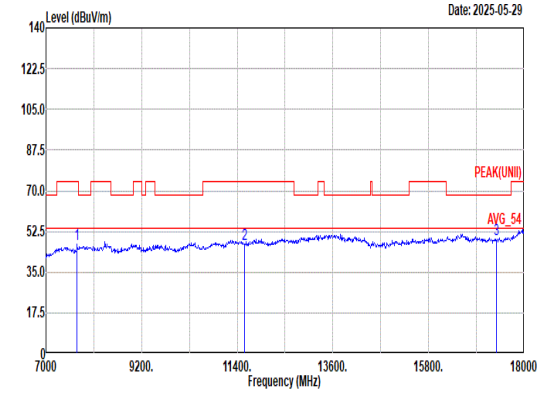
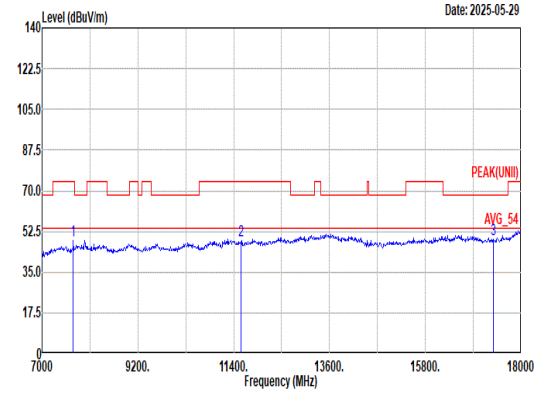
Mode	61	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11n HT20_CH157_Full RU_5785MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.80 50.55 111.27 -60.72 39.13 34.02 10.26 32.86 0.00 393 328 PEAK 2 5874.43 49.81 105.36 -55.55 38.26 34.10 10.32 32.87 0.00 393 328 PEAK 3 5924.92 51.55 68.26 -16.71 39.76 34.20 10.48 32.89 0.00 393 328 PEAK 4 5930.20 52.37 68.20 -15.83 40.56 34.20 10.50 32.89 0.00 393 328 PEAK	Blank

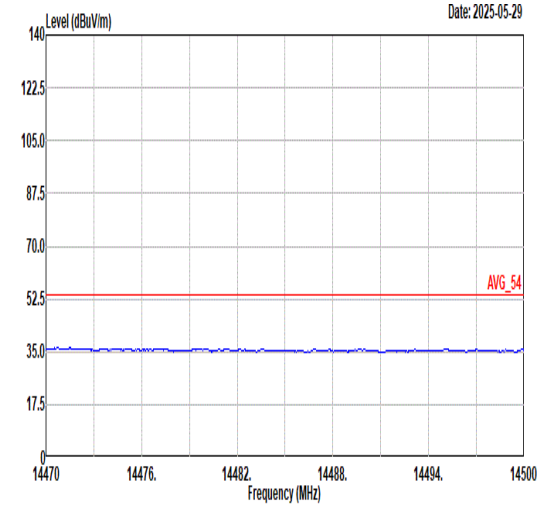
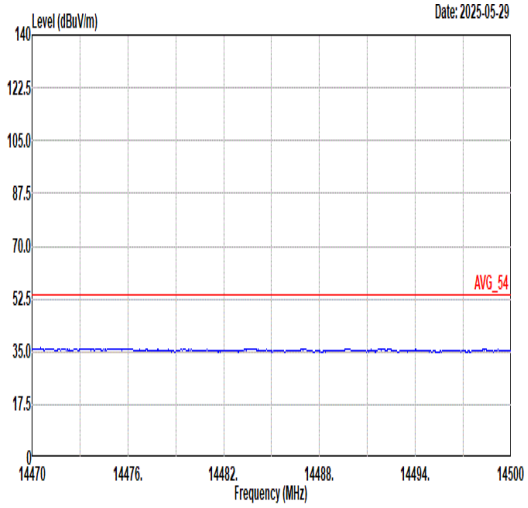
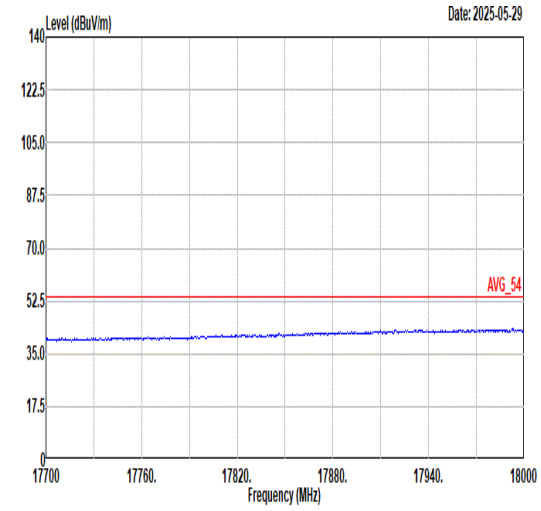
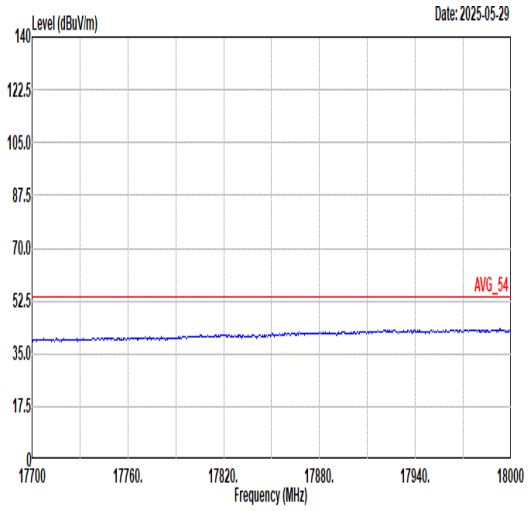
Mode	61	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11n HT20_CH157_Full RU_5785MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5619.06 50.58 68.20 -17.62 40.09 32.88 10.39 32.78 0.00 398 180 PEAK 2 5650.51 48.84 68.58 -19.74 38.30 33.00 10.33 32.79 0.00 398 180 PEAK 3 5700.09 49.01 105.22 -56.21 38.17 33.40 10.25 32.81 0.00 398 180 PEAK 4 5720.07 47.25 110.95 -63.70 36.40 33.44 10.22 32.81 0.00 398 180 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 76.67 ------ ------ 65.76 33.65 10.10 32.84 0.00 398 180 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:1.200kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 69.79 ------ ------ 58.89 33.63 10.11 32.84 0.00 398 180 AVERAGE

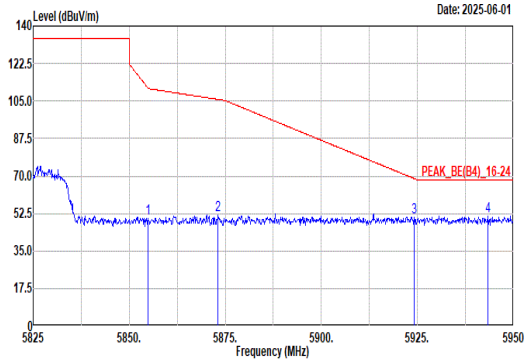
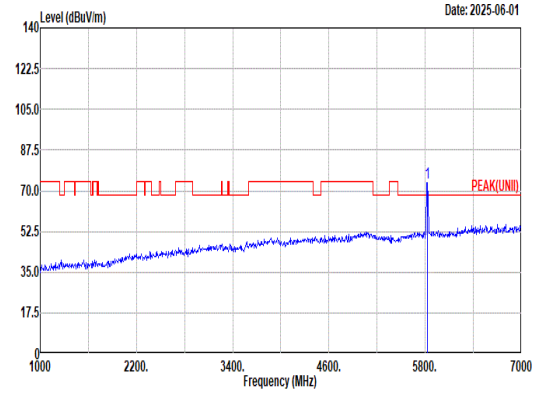
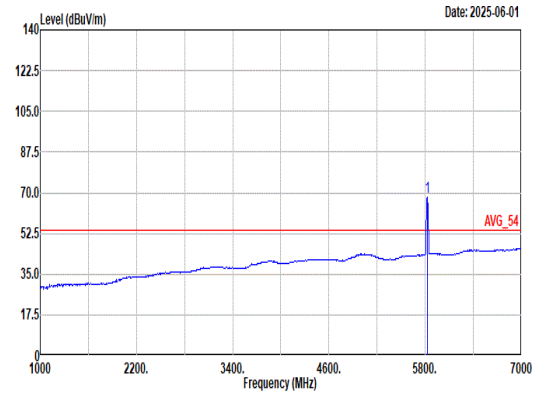
Mode	61	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11n HT20_CH157_Full RU_5785MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak		Blank

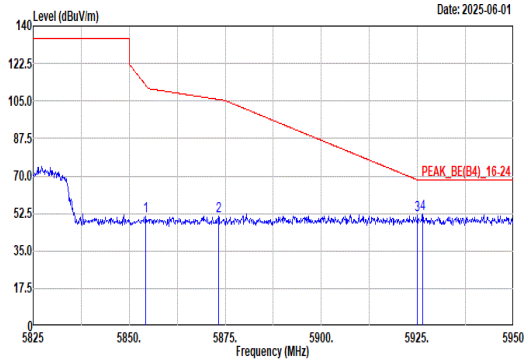
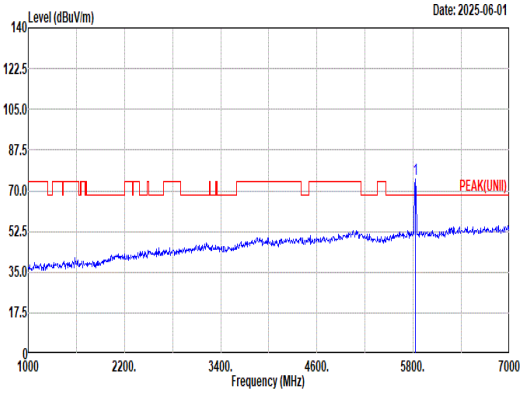
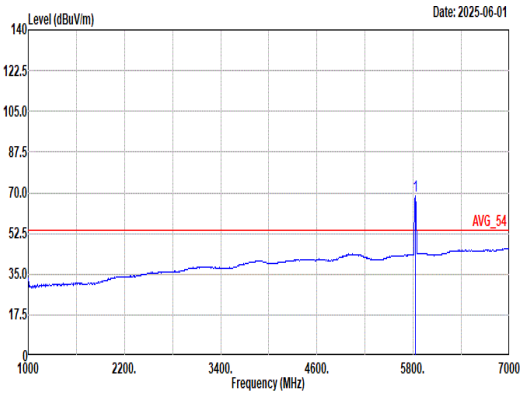
Site : 03CH11-HY
Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

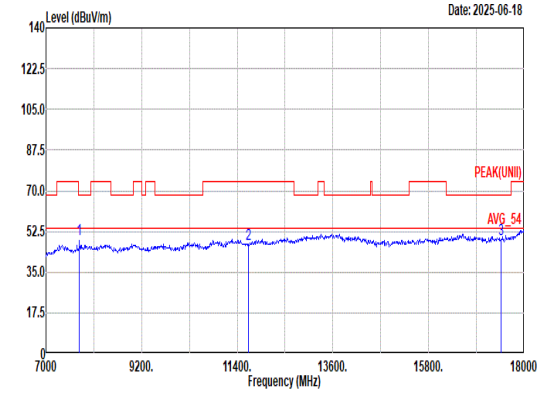
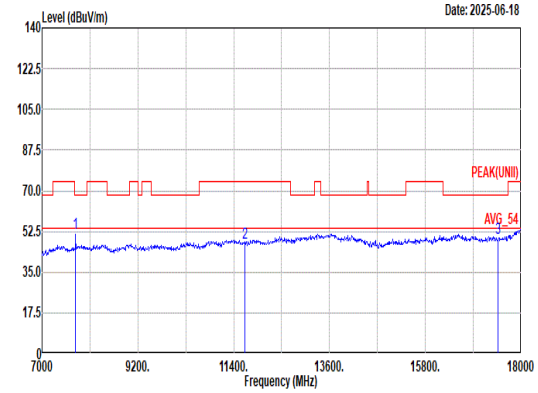
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5854.63	51.03	111.64	-60.61	39.62	34.02	10.25	32.86	0.00	398	180	PEAK
2	5870.97	51.62	106.33	-54.71	40.10	34.08	10.31	32.87	0.00	398	180	PEAK
3	5924.59	49.89	68.50	-18.61	38.10	34.20	10.48	32.89	0.00	398	180	PEAK
4	5931.19	51.69	68.20	-16.51	39.88	34.20	10.50	32.89	0.00	398	180	PEAK

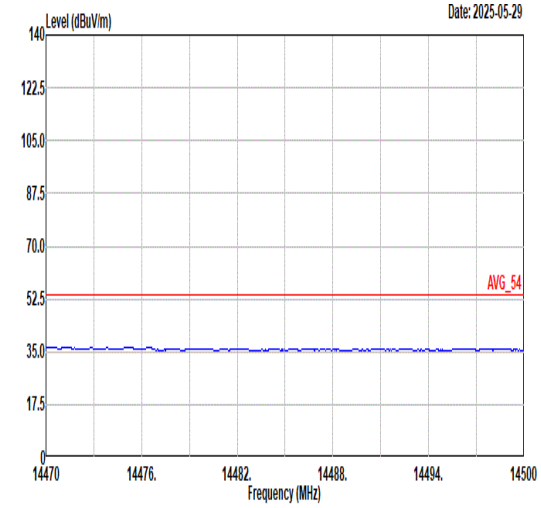
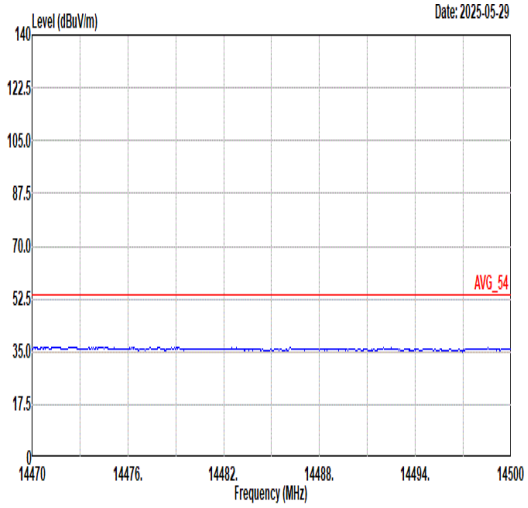
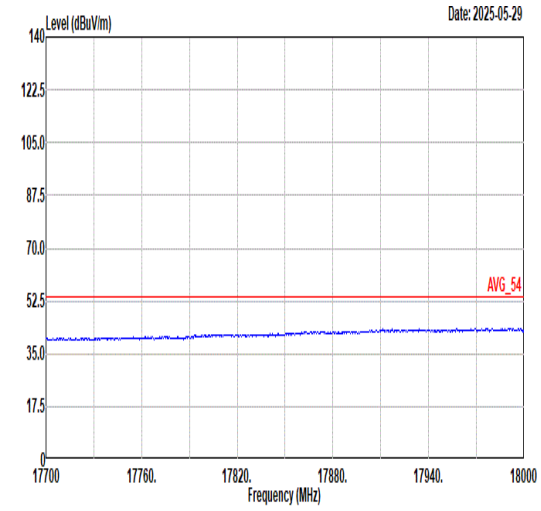
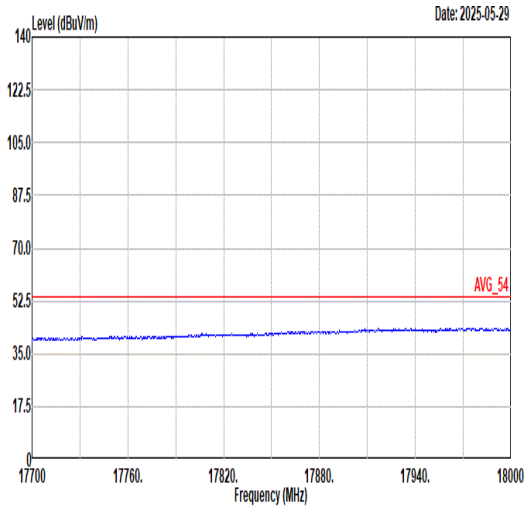
Mode	61	
	Harmonic	
	U-NII-3_5.725-5.85_802.11n HT20_CH157_Full RU_5785MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7713.33 47.21 74.00 -26.79 61.98 36.35 14.16 66.09 0.81 400 96 PEAK 2 11570.00 47.23 74.00 -26.77 56.71 38.68 17.55 66.07 0.36 -- -- PEAK 3 17355.00 49.37 68.20 -18.83 54.85 38.50 21.65 66.08 0.45 -- -- PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7713.33 48.70 74.00 -25.30 63.47 36.35 14.16 66.09 0.81 250 329 PEAK 2 11570.00 48.84 74.00 -25.16 58.32 38.68 17.55 66.07 0.36 -- -- PEAK 3 17355.00 48.99 68.20 -19.21 54.47 38.50 21.65 66.08 0.45 -- -- PEAK

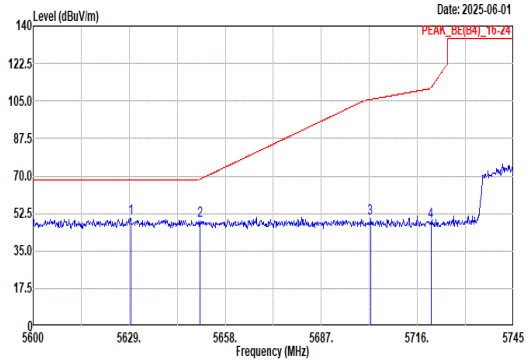
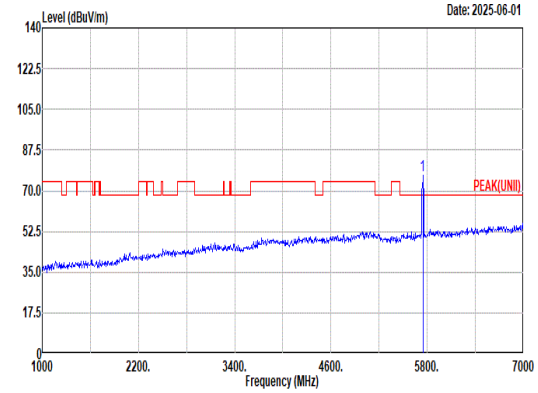
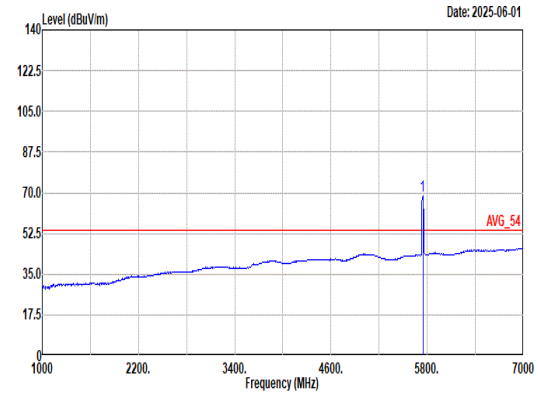
Mode	61	
	Harmonic	
	U-NII-3_5.725-5.85_802.11n HT20_CH157_Full RU_5785MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL
17.7G ~18G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL

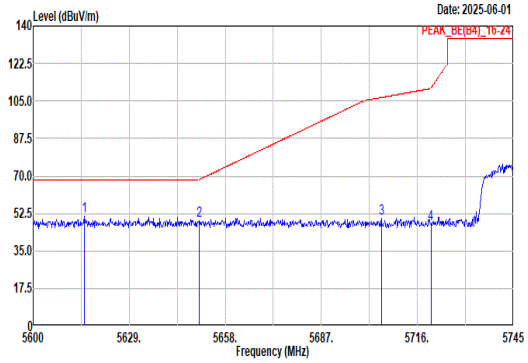
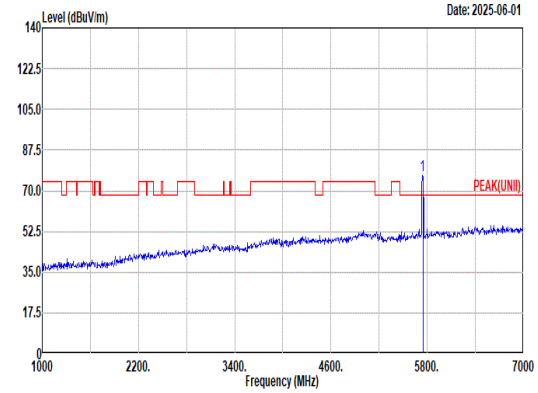
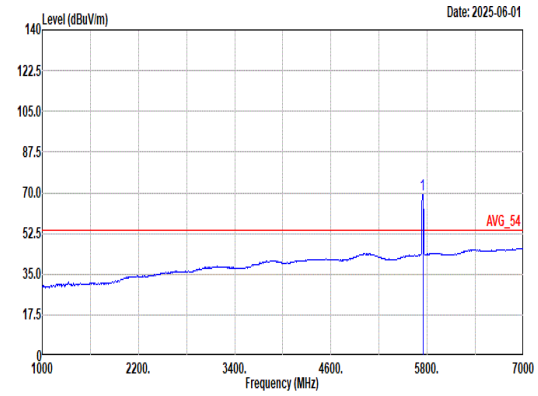
Mode	62	
	Band Edge	
	U-NII-3_5.725-5.85_802.11n HT20_CH165_Full RU_5825MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.88 49.95 111.08 -61.13 38.53 34.02 10.26 32.86 0.00 151 69 PEAK 2 5873.13 51.66 105.72 -54.06 40.13 34.09 10.31 32.87 0.00 151 69 PEAK 3 5924.25 50.75 68.75 -18.00 38.96 34.20 10.48 32.89 0.00 151 69 PEAK 4 5943.25 51.34 68.20 -16.86 39.50 34.20 10.54 32.90 0.00 151 69 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 73.66 ------ ------ 62.46 33.88 10.18 32.86 0.00 151 69 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:1.200kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 68.02 ------ ------ 56.87 33.84 10.16 32.85 0.00 151 69 AVERAGE

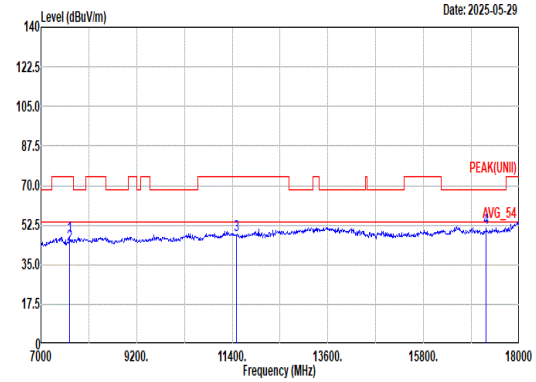
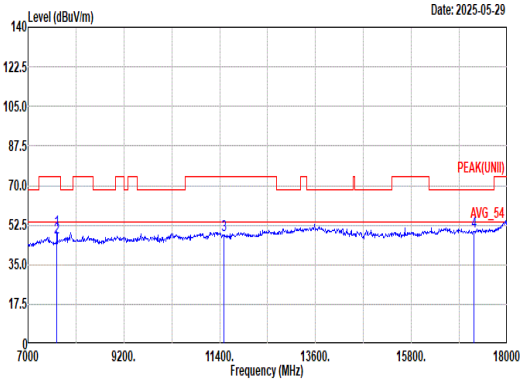
Mode	62	
	Band Edge	
	U-NII-3_5.725-5.85_802.11n HT20_CH165_Full RU_5825MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.38 51.21 112.22 -61.01 39.80 34.02 10.25 32.86 0.00 400 8 PEAK 2 5873.25 51.01 105.69 -54.68 39.48 34.09 10.31 32.87 0.00 400 8 PEAK 3 5925.00 51.59 68.20 -16.61 39.80 34.20 10.48 32.89 0.00 400 8 PEAK 4 5926.38 52.17 68.20 -16.03 40.38 34.20 10.48 32.89 0.00 400 8 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 74.99 ------ ------ 63.79 33.88 10.18 32.86 0.00 400 8 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:1.200kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 68.63 ------ ------ 57.48 33.84 10.16 32.85 0.00 400 8 AVERAGE

Mode	62	
	Harmonic	
	U-NII-3_5.725-5.85_802.11n HT20_CH165_Full RU_5825MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7766.67 49.30 68.20 -18.90 63.83 36.57 14.20 66.11 0.81 400 88 PEAK 2 11650.00 47.24 74.00 -26.76 56.89 38.40 17.62 66.04 0.37 -- -- PEAK 3 17475.00 49.34 68.20 -18.86 54.83 38.50 21.73 66.18 0.46 -- -- PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7766.67 51.62 68.20 -16.58 66.15 36.57 14.20 66.11 0.81 269 333 PEAK 2 11650.00 47.47 74.00 -26.53 57.12 38.40 17.62 66.04 0.37 -- -- PEAK 3 17475.00 49.65 68.20 -18.55 55.14 38.50 21.73 66.18 0.46 -- -- PEAK

Mode	62	
	Harmonic	
	U-NII-3_5.725-5.85_802.11n HT20_CH165_Full RU_5825MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL
17.7G ~18G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL

Mode	63	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5629.44 50.26 68.20 -17.94 39.75 32.92 10.37 32.78 0.00 400 327 PEAK 2 5650.46 49.01 68.54 -19.53 38.47 33.00 10.33 32.79 0.00 400 327 PEAK 3 5701.79 49.97 105.70 -55.73 39.13 33.40 10.25 32.81 0.00 400 327 PEAK 4 5720.06 48.78 110.94 -62.16 37.93 33.44 10.22 32.81 0.00 400 327 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5745.00 76.49 ------ ------ 65.65 33.51 10.16 32.83 0.00 400 327 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:1.500kHz SWT:Auto 1 5745.00 68.72 ------ ------ 57.88 33.49 10.17 32.82 0.00 400 327 AVERAGE

Mode	63	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5615.52 51.10 68.20 -17.10 40.62 32.86 10.39 32.77 0.00 358 173 PEAK 2 5650.03 49.29 68.22 -18.93 38.75 33.00 10.33 32.79 0.00 358 173 PEAK 3 5705.13 50.13 106.64 -56.51 39.29 33.41 10.24 32.81 0.00 358 173 PEAK 4 5720.06 47.81 110.94 -63.13 36.96 33.44 10.22 32.81 0.00 358 173 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 76.77 ------ ------ 65.93 33.48 10.18 32.82 0.00 358 173 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:1.500kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 69.12 ------ ------ 58.28 33.49 10.17 32.82 0.00 358 173 AVERAGE

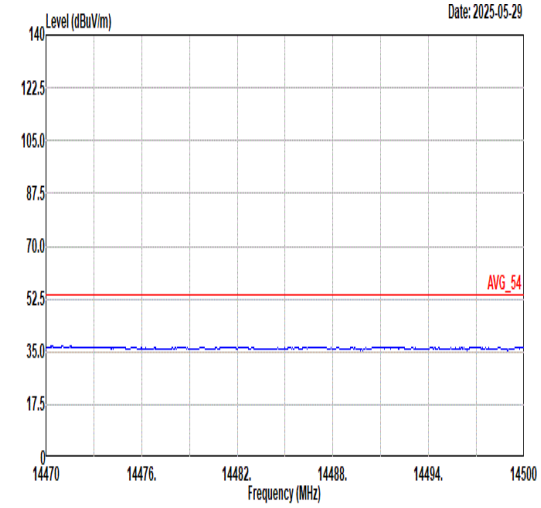
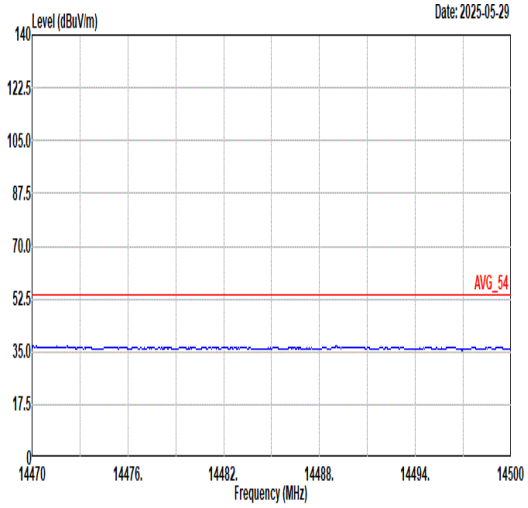
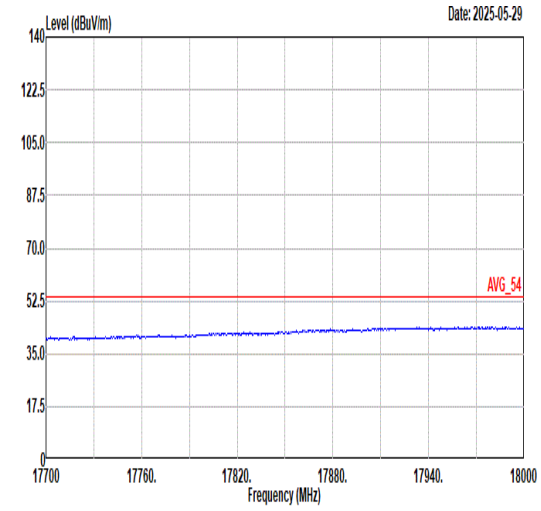
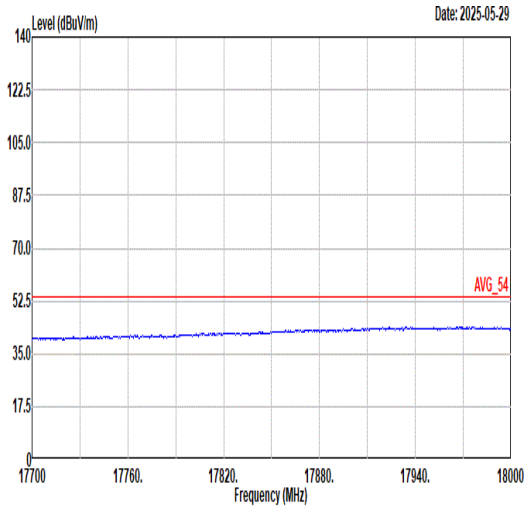
Mode	63	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL

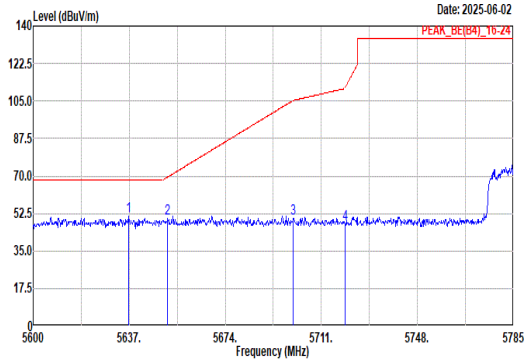
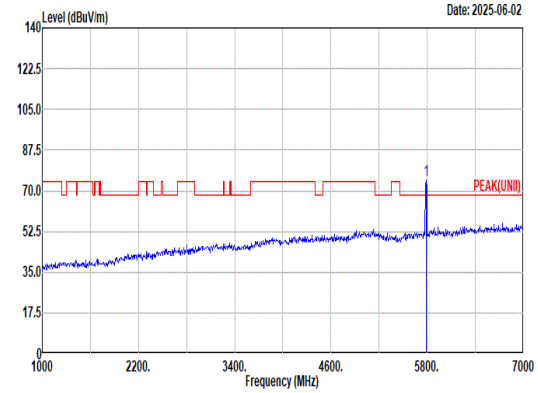
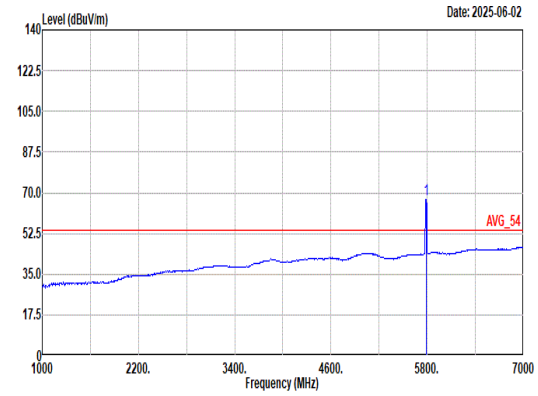
Horizontal:

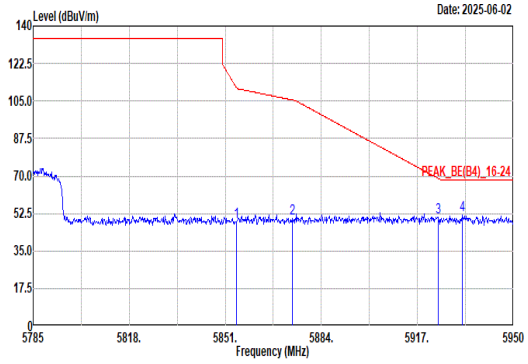
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	7660.00	47.77	74.00	-26.23	62.69	36.22	14.12	66.06	0.80	189	215	PEAK
2	7660.00	43.61	54.00	-10.39	58.53	36.22	14.12	66.06	0.80	189	215	Average
3	11490.00	47.85	74.00	-26.15	57.14	38.98	17.48	66.11	0.36	--	--	PEAK
4	17235.00	51.02	68.20	-17.18	56.65	38.34	21.58	65.99	0.44	--	--	PEAK

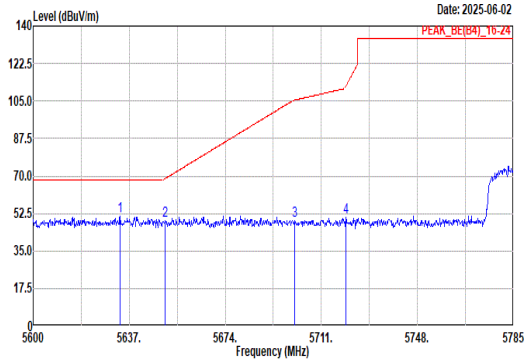
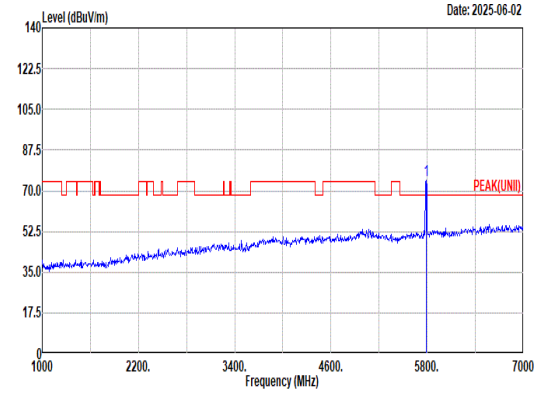
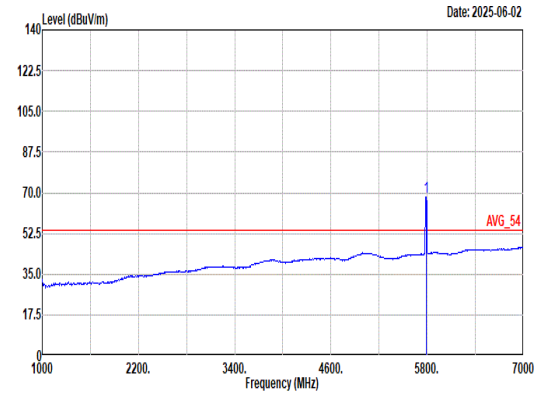
Vertical:

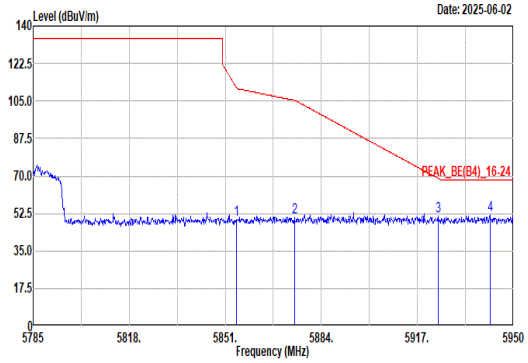
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	7660.00	49.95	74.00	-24.05	64.87	36.22	14.12	66.06	0.80	273	329	PEAK
2	7660.00	46.84	54.00	-7.16	61.76	36.22	14.12	66.06	0.80	273	329	Average
3	11490.00	47.93	74.00	-26.07	57.22	38.98	17.48	66.11	0.36	--	--	PEAK
4	17235.00	49.83	68.20	-18.37	55.46	38.34	21.58	65.99	0.44	--	--	PEAK

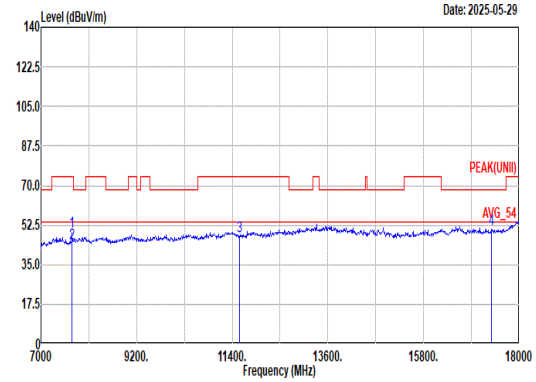
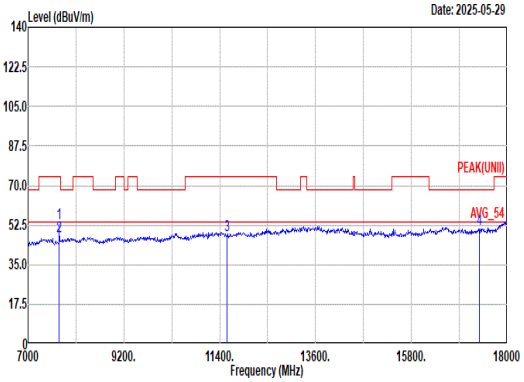
Mode	63	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL
17.7G ~18G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL

Mode	64	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5636.63 51.08 68.20 -17.12 40.55 32.95 10.36 32.78 0.00 300 79 PEAK 2 5651.80 50.42 69.54 -19.12 39.87 33.01 10.33 32.79 0.00 300 79 PEAK 3 5700.27 50.35 105.28 -54.93 39.51 33.40 10.25 32.81 0.00 300 79 PEAK 4 5720.07 47.78 110.95 -63.17 36.93 33.44 10.22 32.81 0.00 300 79 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 74.50 ------ ------ 63.59 33.65 10.10 32.84 0.00 300 79 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:1.500kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 67.27 ------ ------ 56.36 33.65 10.10 32.84 0.00 300 79 AVERAGE

Mode	64	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.96 48.63 110.89 -62.26 37.21 34.02 10.26 32.86 0.00 300 79 PEAK 2 5874.10 50.35 105.45 -55.10 38.80 34.10 10.32 32.87 0.00 300 79 PEAK 3 5924.10 50.87 68.87 -18.00 39.08 34.20 10.48 32.89 0.00 300 79 PEAK 4 5932.51 51.58 68.20 -16.62 39.77 34.20 10.50 32.89 0.00 300 79 PEAK	Blank

Mode	64	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5633.49 51.06 68.20 -17.14 40.55 32.93 10.36 32.78 0.00 395 151 PEAK 2 5650.88 49.39 68.85 -19.46 38.84 33.01 10.33 32.79 0.00 395 151 PEAK 3 5700.64 49.38 105.38 -56.00 38.54 33.40 10.25 32.81 0.00 395 151 PEAK 4 5720.44 50.54 111.79 -61.25 39.69 33.44 10.22 32.81 0.00 395 151 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 74.57 ------ ------ 63.66 33.65 10.10 32.84 0.00 395 151 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:1.500kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5785.00 68.08 ------ ------ 57.18 33.63 10.11 32.84 0.00 395 151 AVERAGE

Mode	64	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.96 49.44 110.89 -61.45 38.02 34.02 10.26 32.86 0.00 395 151 PEAK 2 5874.76 50.72 105.27 -54.55 39.17 34.10 10.32 32.87 0.00 395 151 PEAK 3 5924.26 51.46 68.75 -17.29 39.67 34.20 10.48 32.89 0.00 395 151 PEAK 4 5941.92 51.52 68.20 -16.68 39.69 34.20 10.53 32.90 0.00 395 151 PEAK	Blank

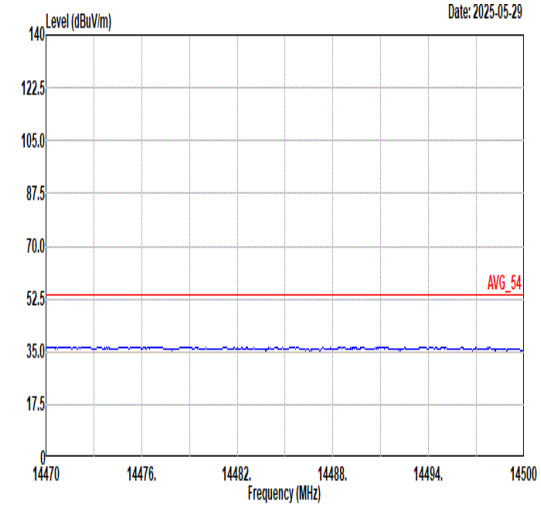
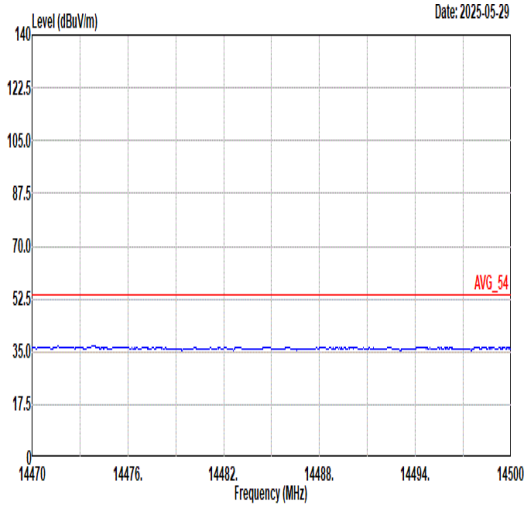
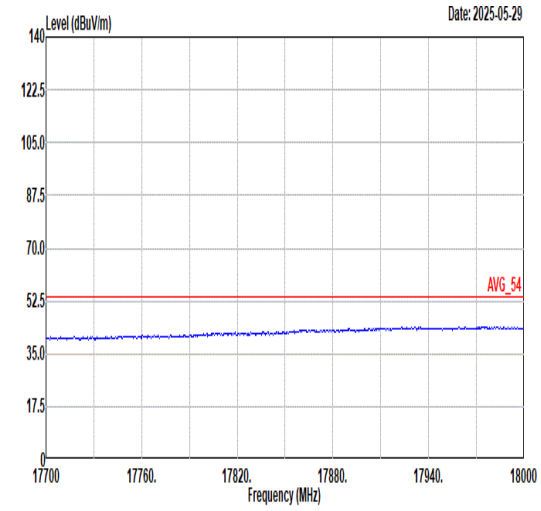
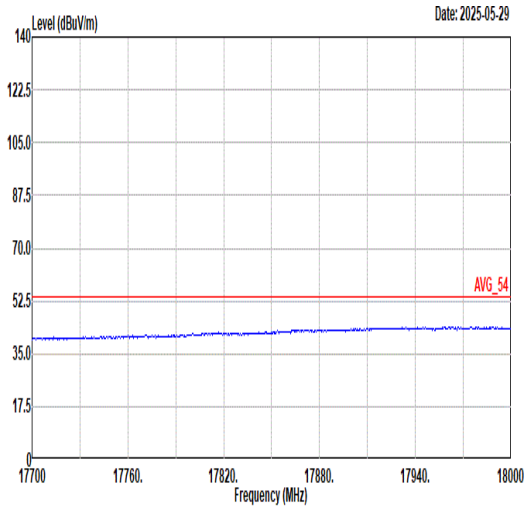
Mode	64	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL

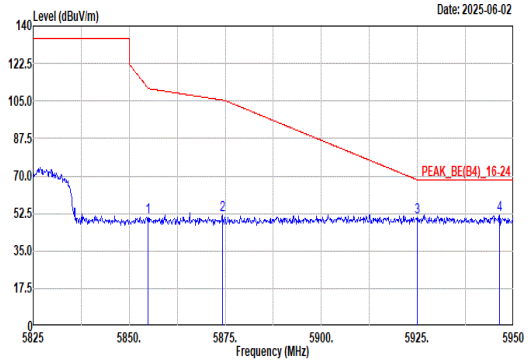
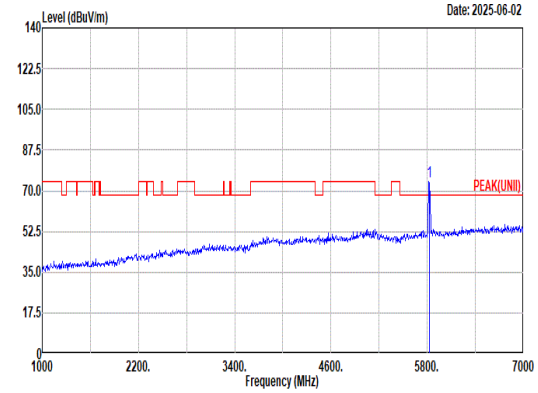
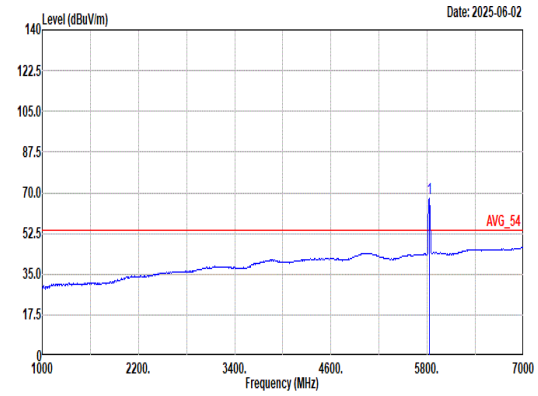
Horizontal:

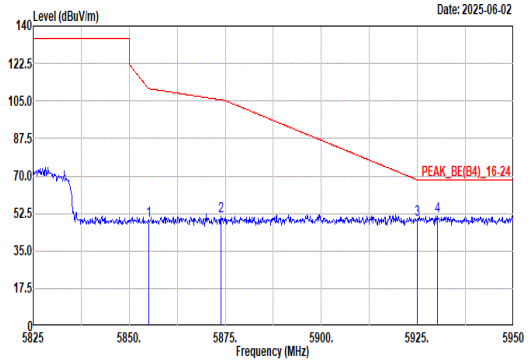
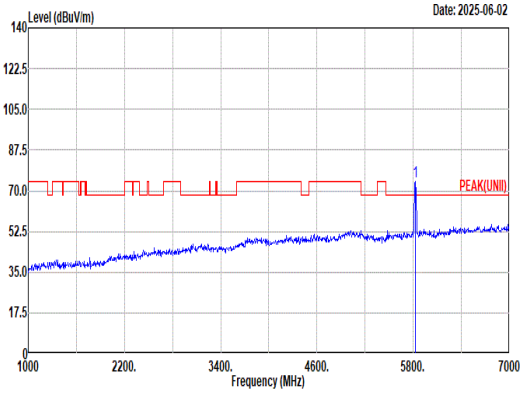
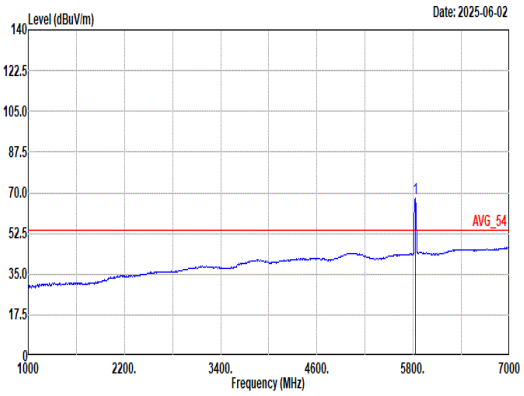
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	7713.33	49.62	74.00	-24.38	64.39	36.35	14.16	66.09	0.81	119	215	PEAK
2	7713.33	44.64	54.00	-9.36	59.41	36.35	14.16	66.09	0.81	119	215	Average
3	11570.00	47.38	74.00	-26.62	56.86	38.68	17.55	66.07	0.36	--	--	PEAK
4	17355.00	50.66	68.20	-17.54	56.14	38.50	21.65	66.08	0.45	--	--	PEAK

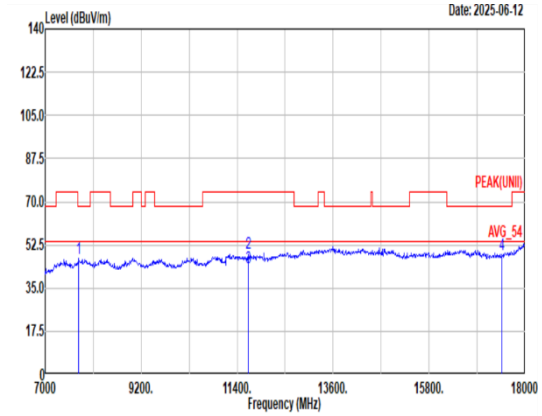
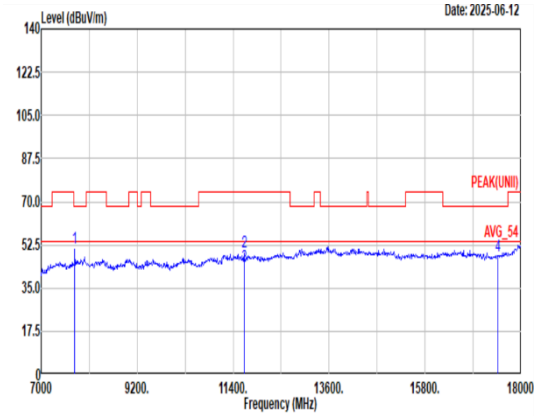
Vertical:

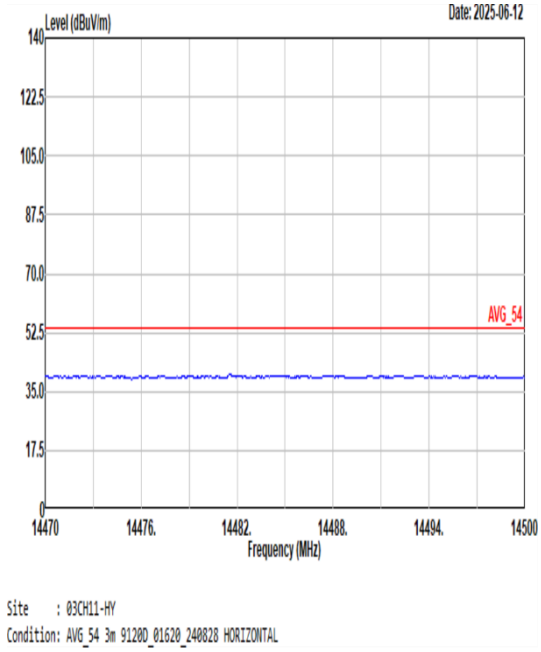
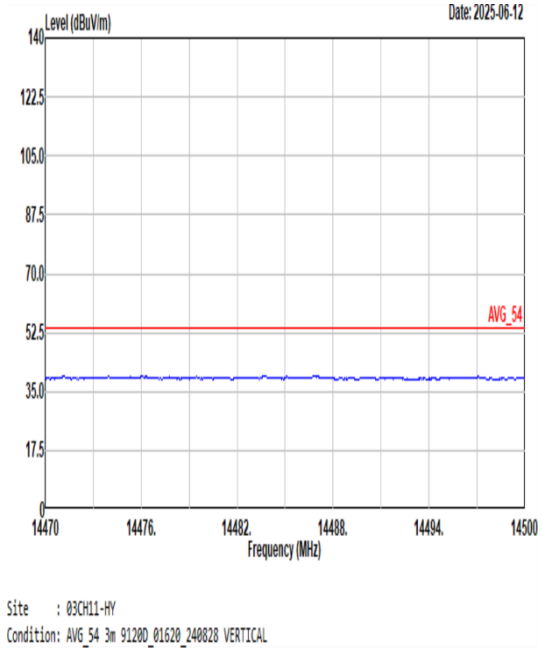
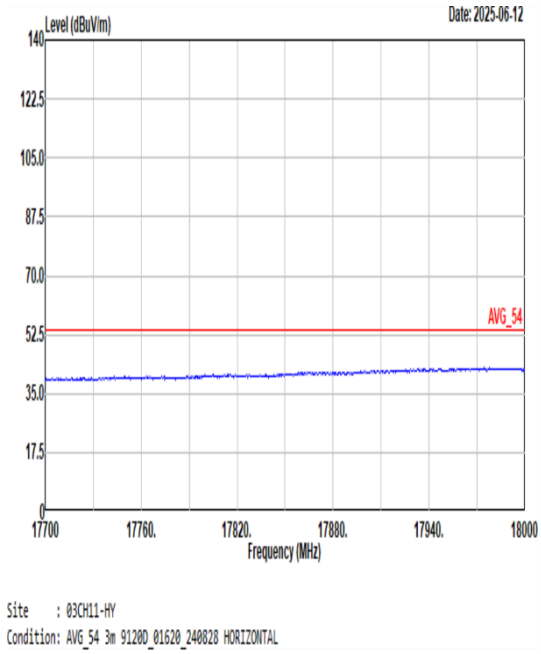
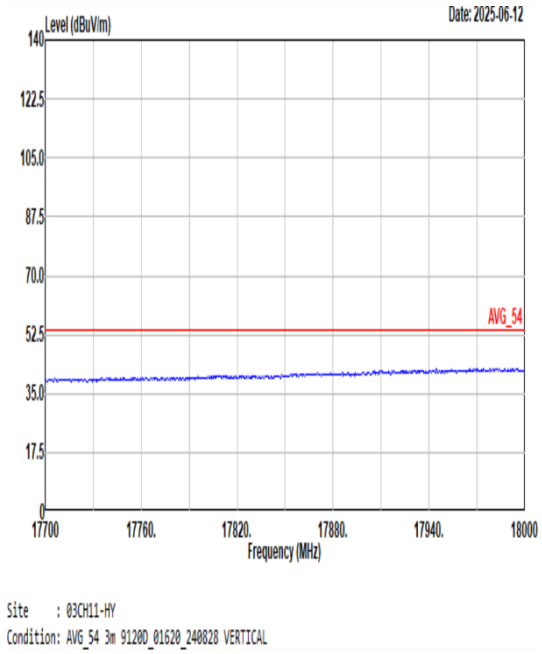
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	7713.33	53.53	74.00	-20.47	68.30	36.35	14.16	66.09	0.81	273	334	PEAK
2	7713.33	47.67	54.00	-6.33	62.44	36.35	14.16	66.09	0.81	273	334	Average
3	11570.00	47.96	74.00	-26.04	57.44	38.68	17.55	66.07	0.36	--	--	PEAK
4	17355.00	50.74	68.20	-17.46	56.22	38.50	21.65	66.08	0.45	--	--	PEAK

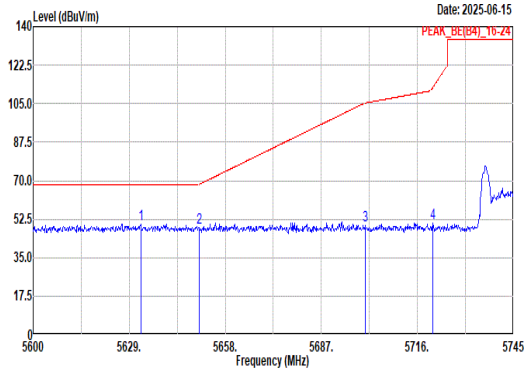
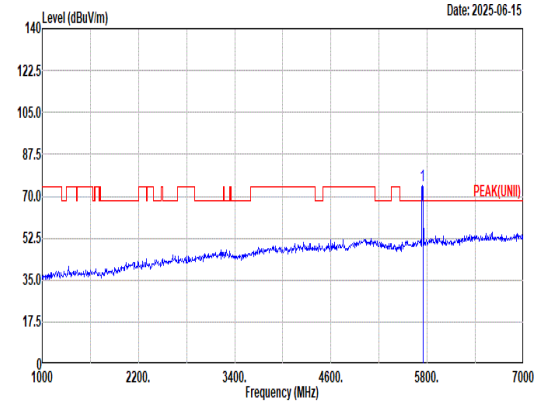
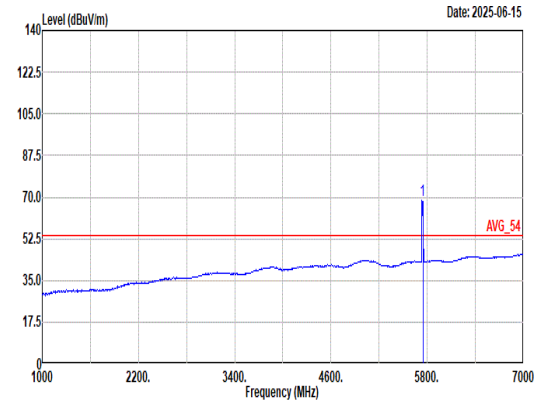
Mode	64	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL
17.7G ~18G Avg	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL

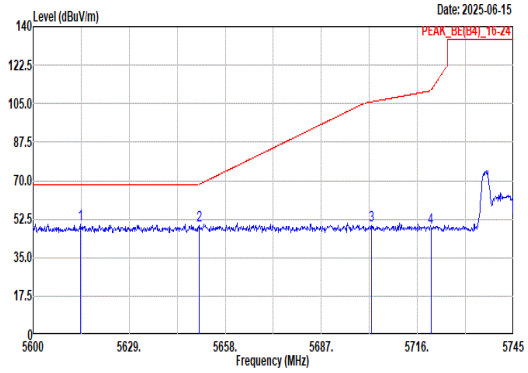
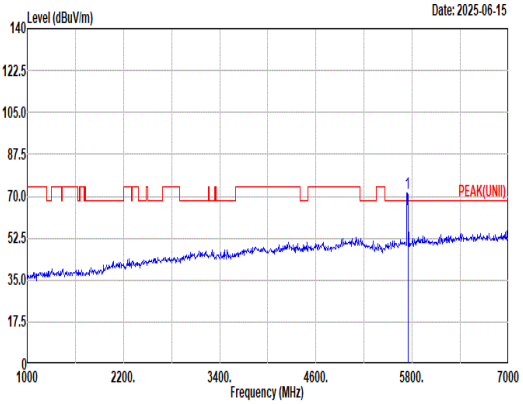
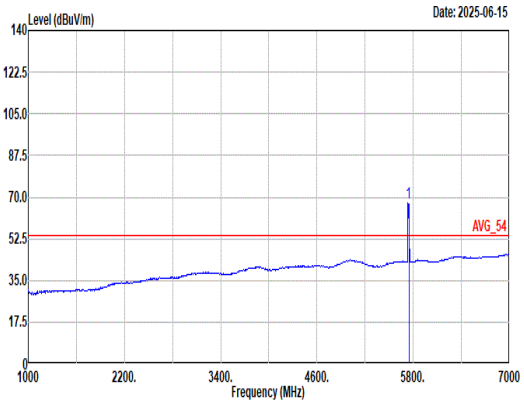
Mode	65	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Full RU_5825MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5854.88 50.63 111.08 -60.45 39.21 34.02 10.26 32.86 0.00 312 76 PEAK 2 5874.25 51.92 105.41 -53.49 40.37 34.10 10.32 32.87 0.00 312 76 PEAK 3 5924.88 50.49 68.29 -17.80 38.70 34.20 10.48 32.89 0.00 312 76 PEAK 4 5946.38 51.62 68.20 -16.58 39.77 34.20 10.55 32.90 0.00 312 76 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 74.07 ------ ------ 62.97 33.81 10.14 32.85 0.00 312 76 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:1.500kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 67.52 ------ ------ 56.37 33.84 10.16 32.85 0.00 312 76 AVERAGE

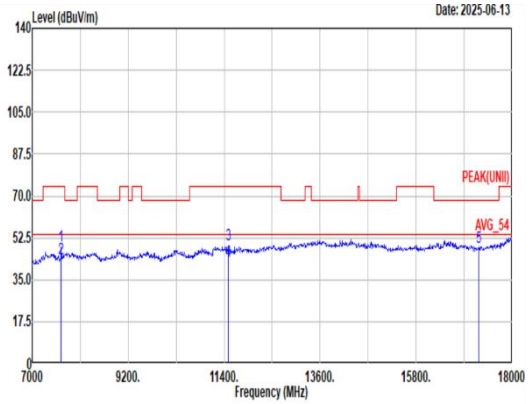
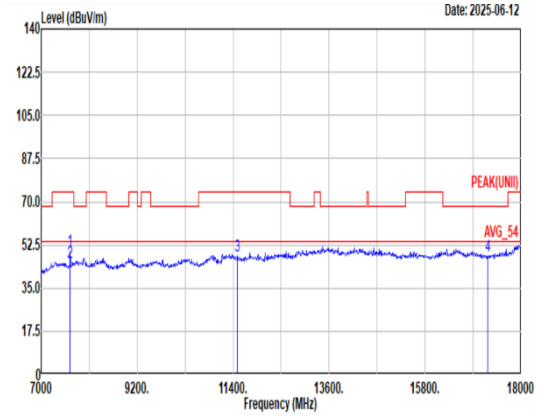
Mode	65	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Full RU_5825MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5855.00 48.96 110.80 -61.84 37.54 34.02 10.26 32.86 0.00 368 148 PEAK 2 5873.88 51.30 105.51 -54.21 39.75 34.10 10.32 32.87 0.00 368 148 PEAK 3 5925.00 49.78 68.20 -18.42 37.99 34.20 10.48 32.89 0.00 368 148 PEAK 4 5930.25 51.18 68.20 -17.02 39.37 34.20 10.50 32.89 0.00 368 148 PEAK	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 74.08 ------ ------ 62.93 33.84 10.16 32.85 0.00 368 148 PEAK
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:1.500kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 67.84 ------ ------ 56.69 33.84 10.16 32.85 0.00 368 148 AVERAGE

Mode	65	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Full RU_5825MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7770.00 46.99 68.20 -21.21 61.50 36.58 14.20 66.11 0.82 300 72 Peak 2 11650.00 49.25 74.00 -24.75 58.90 38.40 17.62 66.04 0.37 382 272 Peak 3 11650.00 43.18 54.00 -10.82 52.83 38.40 17.62 66.04 0.37 382 272 Average 4 17475.00 48.67 68.20 -19.53 54.16 38.50 21.73 66.18 0.46 -- -- Peak	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7770.00 51.06 68.20 -17.14 65.57 36.58 14.20 66.11 0.82 238 149 Peak 2 11650.00 49.56 74.00 -24.44 59.21 38.40 17.62 66.04 0.37 389 154 Peak 3 11650.00 44.04 54.00 -9.96 53.69 38.40 17.62 66.04 0.37 389 154 Average 4 17475.00 48.32 68.20 -19.88 53.81 38.50 21.73 66.18 0.46 -- -- Peak

Mode	65	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Full RU_5825MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg		
17.7G ~18G Avg		

Mode	66	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_26/0 RU_5745MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5632.48 50.28 68.20 -17.92 39.77 32.93 10.36 32.78 0.00 100 104 Peak 2 5650.03 48.46 68.22 -19.76 37.92 33.00 10.33 32.79 0.00 100 104 Peak 3 5700.20 49.56 105.25 -55.69 38.72 33.40 10.25 32.81 0.00 100 104 Peak 4 5720.64 50.82 112.26 -61.44 39.98 33.44 10.21 32.81 0.00 100 104 Peak	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 74.66 ------ ------ 63.82 33.48 10.18 32.82 0.00 100 104 Peak
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 HORIZONTAL : RBW:1000.000kHz VBW:2.200kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 68.89 ------ ------ 58.05 33.47 10.19 32.82 0.00 100 104 Average

Mode	66	
	Band Edge	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_26/0 RU_5745MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition: PEAK_BE(B4)_16-24 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5614.21 50.26 68.20 -17.94 39.77 32.86 10.40 32.77 0.00 355 115 Peak 2 5650.03 49.41 68.22 -18.81 38.87 33.00 10.33 32.79 0.00 355 115 Peak 3 5702.08 49.55 105.78 -56.23 38.71 33.40 10.25 32.81 0.00 355 115 Peak 4 5720.06 48.44 110.94 -62.50 37.59 33.44 10.22 32.81 0.00 355 115 Peak	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 71.56 ------ ------ 60.72 33.47 10.19 32.82 0.00 355 115 Peak
Avg	Blank	 Site : 03CH11-HY Condition: AVG_54 3m 9120D_01620_240828 VERTICAL : RBW:1000.000kHz VBW:2.200kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5745.00 67.76 ------ ------ 56.92 33.47 10.19 32.82 0.00 355 115 Average

Mode	66	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_26/0 RU_5745MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7660.00 49.26 74.00 -24.74 64.18 36.22 14.12 66.06 0.80 123 234 Peak 2 7660.00 43.95 54.00 -10.05 58.87 36.22 14.12 66.06 0.80 123 234 Average 3 11490.00 49.88 74.00 -24.12 59.17 38.98 17.48 66.11 0.36 400 275 Peak 4 11490.00 42.76 54.00 -11.24 52.05 38.98 17.48 66.11 0.36 400 275 Average 5 17235.00 48.58 68.20 -19.62 54.21 38.34 21.58 65.99 0.44 -- -- Peak	 Site : 03CH11-HY Condition: PEAK(UNII) 3m 9120D_01620_240828 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7660.00 50.11 74.00 -23.89 65.03 36.22 14.12 66.06 0.80 386 182 Peak 2 7660.00 45.62 54.00 -8.38 60.54 36.22 14.12 66.06 0.80 386 182 Average 3 11490.00 47.83 74.00 -26.17 57.12 38.98 17.48 66.11 0.36 -- -- Peak 4 17235.00 48.06 68.20 -20.14 53.69 38.34 21.58 65.99 0.44 -- -- Peak