FCC RADIO TEST REPORT

FCC ID	:	UZ7ZEC500
Equipment	:	Enterprise Computer
Brand Name	:	Zebra
Model Name	:	ZEC500
Applicant	:	Zebra Technologies Corporation 3 Overlook Point, Lincolnshire, IL 60069 USA
Manufacturer	:	Zebra Technologies Corporation 3 Overlook Point, Lincolnshire, IL 60069 USA
Standard	:	FCC Part 15 Subpart E §15.407

The product was received on Apr. 25, 2025 and testing was performed from Apr. 30, 2025 to Jun. 17, 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
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History of this test report

Report No.	Version	Description	Issue Date
FR522804E	01	Initial issue of report	Jun. 19, 2025
FR522804E	02	Revise Product Specification of Equipment Under Test This report is an updated version, replacing the report issued on Jun. 19, 2025.	Jun. 24, 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	1.51 dB under the limit at 5725.40 MHz
3.5	15.207	AC Conducted Emission	Pass	7.24 dB under the limit at 13.16 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”.

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Yun Huang

Report Producer: Clio Lo

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Enterprise Computer
Brand Name	Zebra
Model Name	ZEC500
FCC ID	UZ7ZEC500
Sample 1	Premium SKU with FAN, with POE
Sample 2	Premium SKU w/o FAN, with POE
Sample 3	Value SKU with FAN, w/o POE
Sample 4	Value SKU w/o FAN, w/o POE
EUT supports Radios application	NFC WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE
HW Version	EV1
SW Version	14-28-18.00-UG-U00-PRD-ATH-04
OS Version	Android 14
MFD	11APR25
EUT Stage	Identical Prototype

Remark: The EUT's information above is declared by manufacturer.

Specification of Accessories				
Adapter	**Brand Name**	ZEBRA	**Model Name**	PWR-BGA24V78W4WW
Power Cable	**Brand Name**	ZEBRA	**Model Name**	23844-00-00R

Supported Unit Used in Test Configuration and System				
Earphone 1	**Brand Name**	ZEBRA	**Model Name**	HDST-USBC-PTT1-01
USB C to C cable	**Brand Name**	ZEBRA	**Part Number**	CBL-ECX-USBC3A-01
USB A to C cable	**Brand Name**	ZEBRA	**Part Number**	CBL-TC5X-USBC2A-01
Scanner_USB cable 1 (RJ50 to USB-A)	**Brand Name**	ZEBRA	**Part Number**	CBA-UF0-S07PAR
Scanner_USB cable 2 (RJ50 to USB-A)	**Brand Name**	ZEBRA	**Part Number**	CBA-U42-S07PAR
Printer	**Brand Name**	ZEBRA	**Model Name**	ZD230t
2nd display	**Brand Name**	ZEBRA	**Model Name**	TD50-15F00
Scanner	**Brand Name**	ZEBRA	**Part Number**	DS3678
POE	**Brand Name**	ZEBRA	**Part Number**	POE90U-BTAX460-R
USB Cable for printer	**Brand Name**	ZEBRA	**Part Number**	300283-002
Adapter 2	**Brand Name**	ZEBRA	**Model Name**	PWR-BGA12V50W0WW
Cradle	**Brand Name**	ZEBRA	**Part Number**	STB3678

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 1+2>** 802.11a: 22.41 dBm / 0.1742 W 802.11n HT20: 22.31 dBm / 0.1702 W 802.11n HT40: 22.31 dBm / 0.1702 W 802.11ac VHT20: 22.21 dBm / 0.1663 W 802.11ac VHT40: 22.21 dBm / 0.1663 W 802.11ac VHT80: 20.56 dBm / 0.1138 W 802.11ac VHT160: 18.66 dBm / 0.0735 W 802.11ax HE20: 22.41 dBm / 0.1742 W 802.11ax HE40: 22.41 dBm / 0.1742 W 802.11ax HE80: 20.66 dBm / 0.1164 W 802.11ax HE160: 18.76 dBm / 0.0752 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 1+2>** 802.11a: 21.93 dBm / 0.1560 W 802.11n HT20: 21.72 dBm / 0.1486 W 802.11n HT40: 22.03 dBm / 0.1596 W 802.11ac VHT20: 21.62 dBm / 0.1452 W 802.11ac VHT40: 21.93 dBm / 0.1560 W 802.11ac VHT80: 19.23 dBm / 0.0838 W 802.11ax HE20: 21.82 dBm / 0.1521 W 802.11ax HE40: 22.13 dBm / 0.1633 W 802.11ax HE80: 19.33 dBm / 0.0857 W 802.11ax HE160: 15.76 dBm / 0.0377 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 1+2>** 802.11a: 22.11 dBm / 0.1626 W 802.11n HT20: 21.91 dBm / 0.1552 W 802.11n HT40: 22.06 dBm / 0.1607 W 802.11ac VHT20: 21.81 dBm / 0.1517 W 802.11ac VHT40: 21.96 dBm / 0.1570 W 802.11ac VHT80: 22.01 dBm / 0.1589 W 802.11ac VHT160: 19.21 dBm / 0.0834 W 802.11ax HE20: 22.01 dBm / 0.1589 W 802.11ax HE40: 22.16 dBm / 0.1644 W 802.11ax HE80: 22.11 dBm / 0.1626 W 802.11ax HE160: 19.31 dBm / 0.0853 W

Product Specification is subject to this standard	
99% Occupied Bandwidth	**MIMO <Ant. 1>** 802.11a: 16.48 MHz 802.11n HT20: 17.62 MHz 802.11n HT40: 36.32 MHz 802.11ac VHT80: 75.46 MHz 802.11ac VHT160: 155.01 MHz 802.11ax HE20: 18.99 MHz 802.11ax HE40: 37.96 MHz 802.11ax HE80: 77.27 MHz 802.11ax HE160: 156.48 MHz **MIMO <Ant. 2>** 802.11a: 16.49 MHz 802.11n HT20: 17.61 MHz 802.11n HT40: 36.34 MHz 802.11ac VHT80: 75.48 MHz 802.11ac VHT160: 154.81 MHz 802.11ax HE20: 18.98 MHz 802.11ax HE40: 38.02 MHz 802.11ax HE80: 77.19 MHz 802.11ax HE160: 156.31 MHz
Antenna Type	**<5180 MHz ~ 5240 MHz>** **<Ant. 1>:** PIFA Antenna **<Ant. 2>:** Dipole Antenna **<5260 MHz ~ 5320 MHz>** **<Ant. 1>:** PIFA Antenna **<Ant. 2>:** Dipole Antenna **<5500 MHz ~ 5720 MHz>** **<Ant. 1>:** PIFA Antenna **<Ant. 2>:** Dipole Antenna

<table>
<tr><th colspan="2">Product Specification is subject to this standard</th></tr>
<tr><td>Antenna Gain</td><td><5180 MHz ~ 5240 MHz>
<Ant. 1>: 2.65 dBi
<Ant. 2>: 3.09 dBi
<5260 MHz ~ 5320 MHz>
<Ant. 1>: 3.61 dBi
<Ant. 2>: 3.18 dBi
<5500 MHz ~ 5720 MHz>
<Ant. 1>: 4.09 dBi
<Ant. 2>: 4.09 dBi</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)
802.11ax : OFDMA (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)</td></tr>
<tr><td>Antenna Function Description</td><td><table>
<tr><td></td><td>Ant. 1</td><td>Ant. 2</td></tr>
<tr><td>802.11 a/n/ac/ax MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11ax TXBF</td><td>V</td><td>V</td></tr>
</table></td></tr>
</table>

Remark:

1. MIMO Ant. 1+2 Directional Gain is a calculated result from MIMO Ant. 1 and MIMO Ant. 2. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 1 + Ant. 2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.
3. 802.11ax Support Tx Beamforming mode, and the manufacturer declares that Tx Beamforming power/EIRP is less than CDD mode 3dbm, so CDD mode cover Tx Beamforming mode.
4. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary

1.2.1 Antenna Directional Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii)

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

As minimum N_{SS}=1 is supported by EUT, the formula can be simplified as:

Directional gain = $10*\log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}]$ dBi

Where G1, G2….GN denote single antenna gain.

The directional gain "DG" is calculated as following table.

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	2.65	3.09	3.09	5.88	0.00	0.00
Band II	3.61	3.18	3.61	6.41	0.00	0.41
Band III	4.09	4.09	4.09	7.10	0.00	1.10

Calculation example:

If a device has two antenna, G_{ANT1}= 2.65dBi; G_{ANT2}=3.09dBi

Directional gain of power measurement = max(2.65, 3.09) + 0 = 3.09 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (2.65 dBi / 20) + 10^ (3.09 dBi / 20)] ^ 2 } / 2 }

= 5.88 dBi

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

<TXBF Modes>

The EUT supports beamforming modes , then

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)e)ii)

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The directional gain "DG" is calculated as following table.

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	2.65	3.09	5.88	5.88	0.00	0.00
Band II	3.61	3.18	6.41	6.41	0.41	0.41
Band III	4.09	4.09	7.10	7.10	1.10	1.10

Calculation example:

Directional gain is derived from formula which is

10 x log { { [10^ (2.65 dBi / 20) + 10^ (3.09 dBi / 20)] ^ 2 } / 2 }

= 5.88 dBi

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

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	DF02-HY (TAF Code: 1190)
Remark	The Automatically Discontinue Transmission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

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

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

FCC designation No.: TW1190 and TW3786

1.5 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

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 accessory (Adapter or PoE), 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)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

Frequency Band	Channel	Freq. (MHz)
5150-5350 MHz	50@	5250
5470-5725 MHz	114@	5570

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122#	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138#	5690	144	5720
	142*	5710		

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.
3. The above Frequency and Channel with "@" are 802.11ac VHT160 and 802.11ax HE160.

2.2 Test Mode

This device support 26/52/106/242/484/996-tone RU but does not support 2x996-tone RU on 160MHz channel.

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2018.

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

The 242-tone RU is covered by 20MHz channel, 484-tone RU is covered by 40MHz channel and 996-tone RU is covered by 80MHz channel.

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

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.

MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0
802.11ac VHT160	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

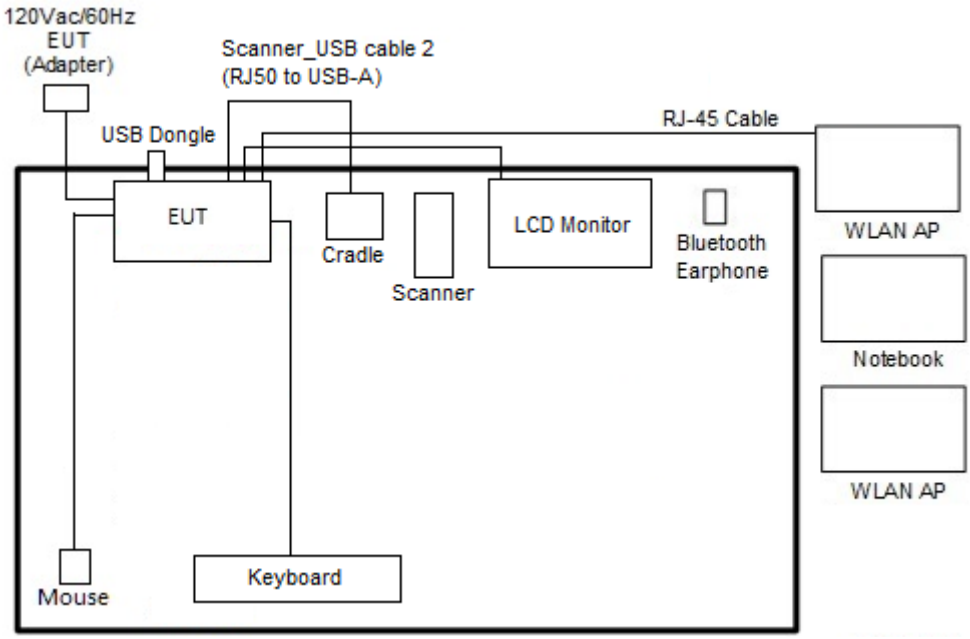
Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + Scan Bar Code + HDMI Display with Monitor + USB-C Data link with USB Dongle (SD Card to Dongle) + USB-A (1) with Cradle (Scanner) + USB-A (2) with Mouse + USB-A (3) with Keyboard + LAN link with WLAN AP and Notebook for Sample 1

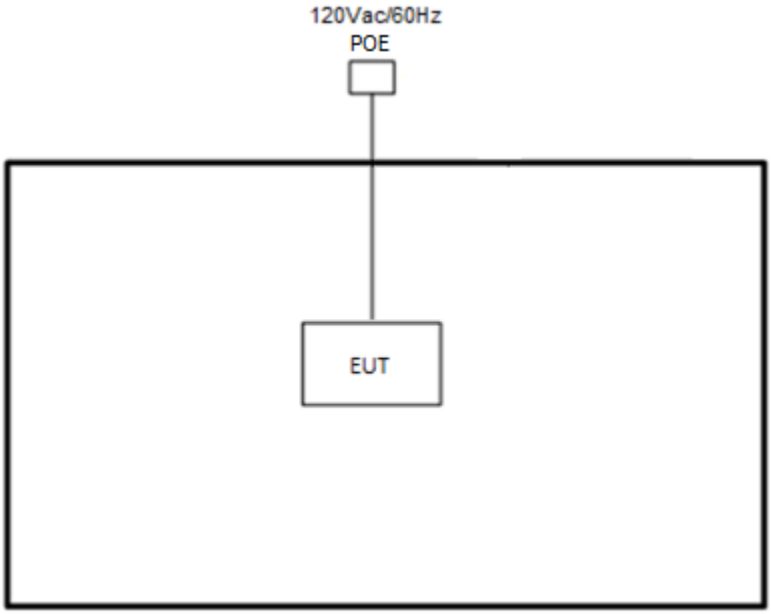
Remark:
1. For Radiated Test Cases, the tests were performed with Sample 1.
2. The detailed Radiated test modes are shown in Appendix C.
3. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.
4. Data Link with USB Dongle means data application transferred mode between EUT and USB Dongle.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	Netgear	RAXE500	PY320300508	N/A	Unshielded, 1.8 m
3.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8 m
4.	Notebook	Dell	Latitude 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Keyboard	ACER	PR1101U	FCC DoC	Shielded, 1.55m	N/A
6.	Mouse	Lenovo	MOC9ULA	FCC DoC	Shielded, 1.7m	N/A
7.	LCD MONITOR	Dell	U2410	FCC DoC	Shielded, 1.6m	Unshielded,1.8m
8.	USB Dongle	SanDisk	jetflesh	FCC DoC	N/A	N/A
9.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility "QRCT.Version 4.0.211.0" 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 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

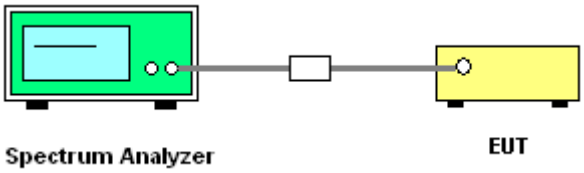
3.1.2 Measuring Instruments

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.

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

■ For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

■ The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

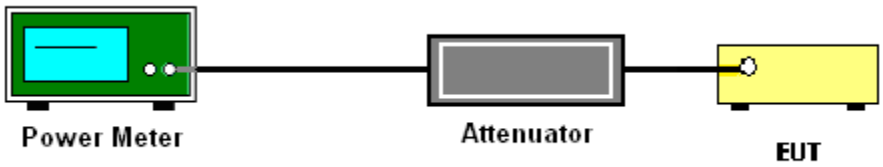
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

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).

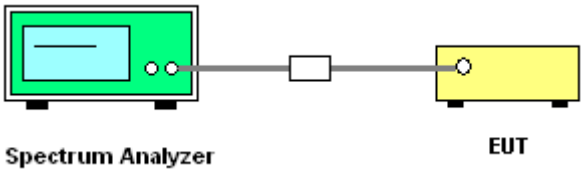
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), 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. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (a): Measure and sum the spectra across the outputs.

   The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

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 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

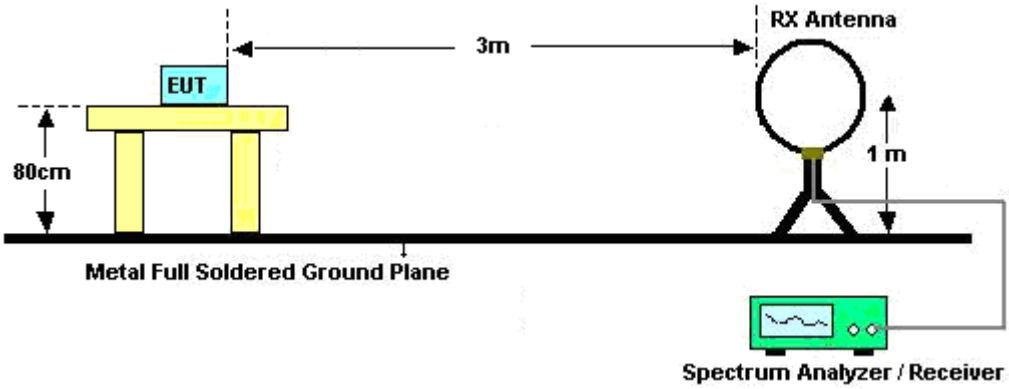
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

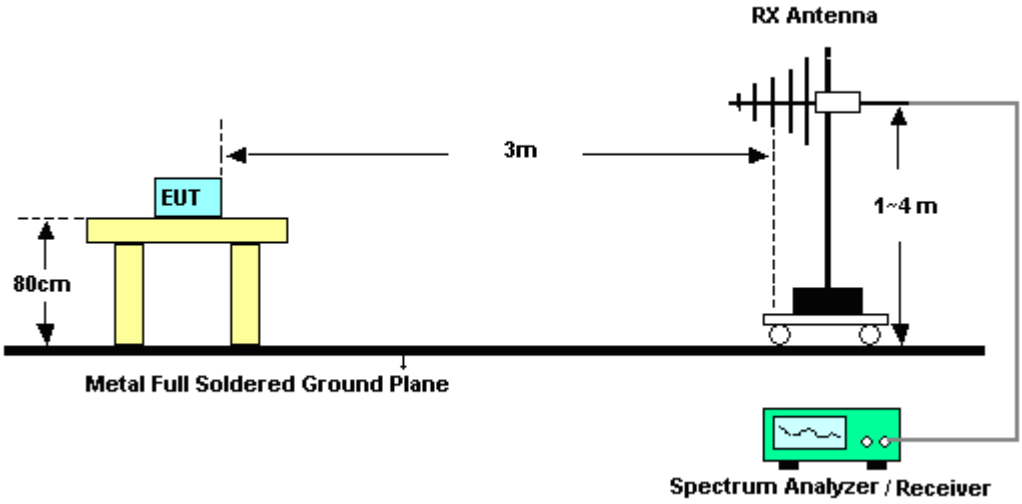
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

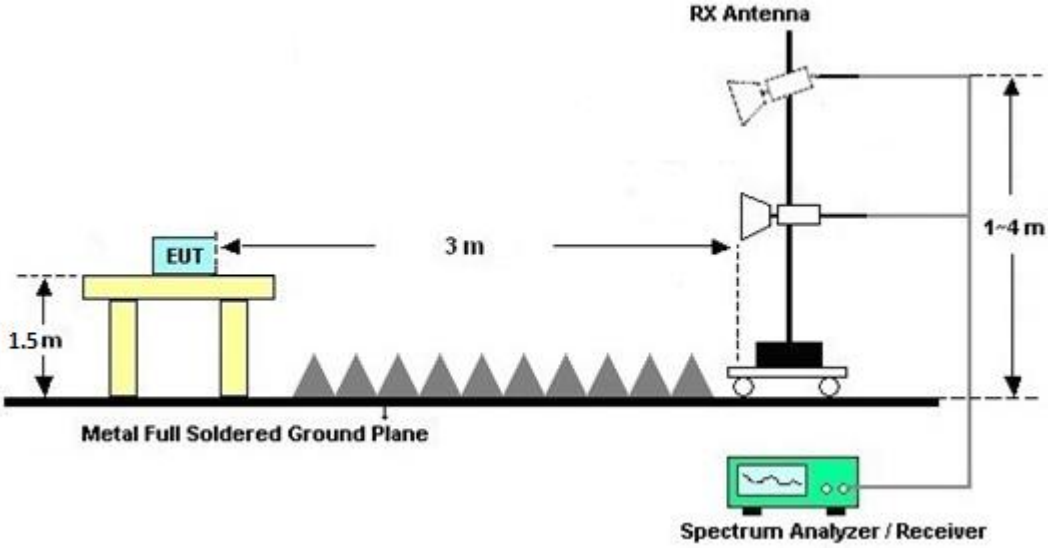
For radiated emissions below 30MHz



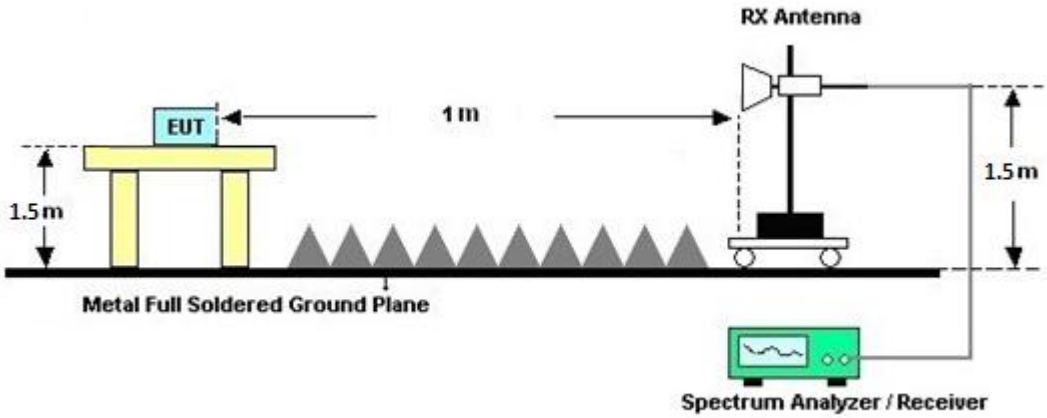
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.4.5 Test Results of Radiated 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 came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.

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.

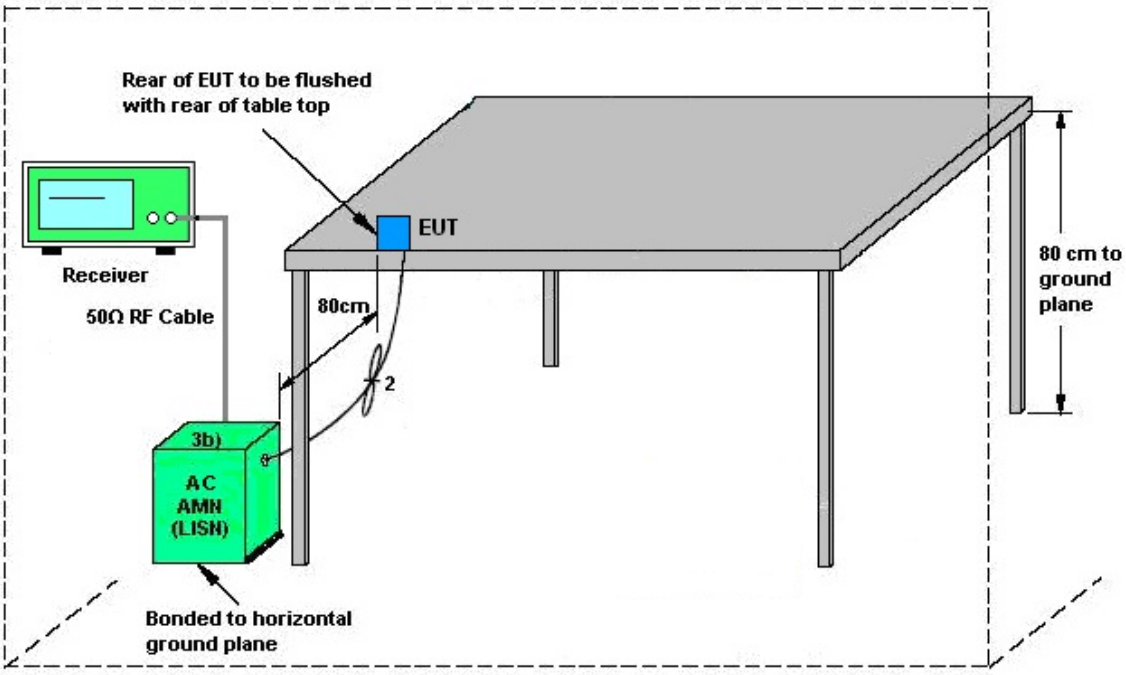
3.5.2 Measuring Instruments

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 Test Result of Automatically Discontinue Transmission

EUT is verified this characteristic during the function check of normal sample associated with an access point:

A. Information start: make EUT supply information to the access point.

B. Information stop: stop supplying information to the access point.

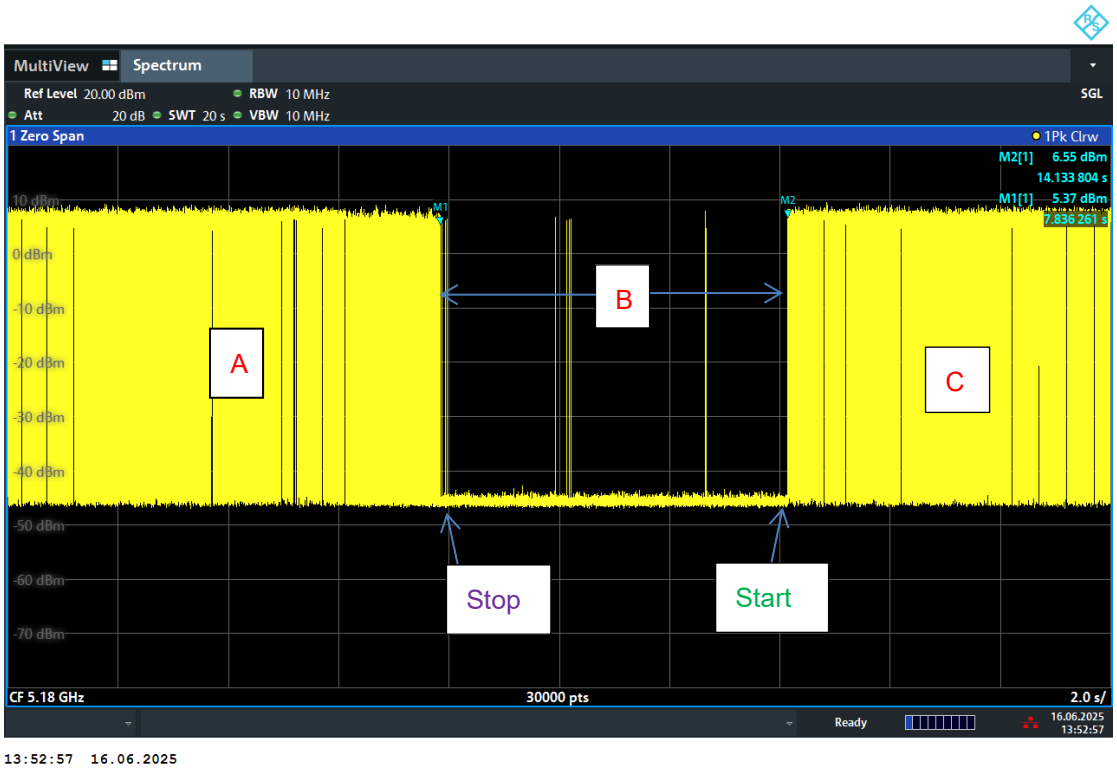
While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

C. Information start: make EUT supply information to the access point again.

The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

Test Engineer :	Tommy Lee	Temperature :	20.9~23.2℃
		Relative Humidity :	20.9~23.2%

5180MHz



Note : The control / signalling information during the period B is precluded.

3.7 Antenna Requirements

3.7.1 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.

3.7.2 Antenna Anti-Replacement Construction

Unique (non-standard) antenna connector.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	May 22, 2025~ Jun. 12, 2025	Aug. 28, 2025	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 27, 2024	May 22, 2025~ Jun. 12, 2025	Nov. 26, 2025	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 20, 2024	May 22, 2025~ Jun. 12, 2025	Jun. 19, 2025	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1212	1GHz~18GHz	Mar. 27, 2025	Jun. 02, 2025~ Jun. 12, 2025	Mar. 26, 2026	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1224	18GHz~40GHz	Jun. 24, 2024	May 22, 2025~ Jun. 12, 2025	Jun. 23, 2025	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Feb. 13, 2025	May 22, 2025~ Jun. 12, 2025	Feb. 12, 2026	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Feb. 14, 2025	May 22, 2025~ Jun. 12, 2025	Feb. 13, 2026	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 27, 2024	May 22, 2025~ May 25, 2025	May 26, 2025	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 26, 2025	May 26, 2025~ Jun. 12, 2025	May 25, 2026	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44Gz	Jul. 11, 2024	May 22, 2025~ Jun. 12, 2025	Jul. 10, 2025	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	May 22, 2025~ Jun. 12, 2025	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	May 22, 2025~ Jun. 12, 2025	N/A	Radiation (03CH15-HY)
Software	Audix	E3_V9_230621	RK-002394	N/A	N/A	May 22, 2025~ Jun. 12, 2025	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, 519228/2,803 950/2	N/A	Jun. 11, 2024	May 22, 2025~ Jun. 02, 2025	Jun. 10, 2025	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, 519228/2,803 950/2	N/A	Jun. 03, 2025	Jun. 03, 2025~ Jun. 12, 2025	Jun. 02, 2026	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	18-40G	Dec. 31, 2024	May 22, 2025~ Jun. 12, 2025	Dec. 30, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000-40ST	SN6	6.75GHz High Pass Filter	Jun. 05, 2024	May 22, 2025~ Jun. 02, 2025	Jun. 04, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000-40ST	SN6	6.75GHz High Pass Filter	Jun. 03, 2025	Jun. 03, 2025~ Jun. 12, 2025	Jun. 02, 2026	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0ST	SN4	3GHz High Pass Filter	Jun. 05, 2024	May 22, 2025~ Jun. 02, 2025	Jun. 04, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0ST	SN4	3GHz High Pass Filter	Jun. 03, 2025	Jun. 03, 2025~ Jun. 12, 2025	Jun. 02, 2026	Radiation (03CH15-HY)
Filter	wright	WLJ4-1000-15 30-6000-40ST	SN4	1.53GHz Low Pass Filter	Jun. 05, 2024	May 22, 2025~ Jun. 02, 2025	Jun. 04, 2025	Radiation (03CH15-HY)
Filter	wright	WLJ4-1000-15 30-6000-40ST	SN4	1.53GHz Low Pass Filter	Jun. 03, 2025	Jun. 03, 2025~ Jun. 12, 2025	Jun. 02, 2026	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-302	SN4	N/A	Aug. 29, 2024	May 22, 2025~ Jun. 12, 2025	Aug. 28, 2025	Radiation (03CH15-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	Apr. 30, 2025 Jun. 13, 2025	Oct. 30, 2025	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	13I00030SNO31 (NO:182)	9kHz~6GHz	Jan. 09, 2025	Apr. 30, 2025 Jun. 13, 2025	Jan. 08, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101467	10HZ~44GHZ	Jan. 14, 2025	Apr. 30, 2025 Jun. 13, 2025	Jan. 13, 2026	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900157 (BOX6)	N/A	Feb. 10, 2025	Apr. 30, 2025 Jun. 13, 2025	Feb. 09, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_version_240513	N/A	Conducted Other Test Item	N/A	Apr. 30, 2025 Jun. 13, 2025	N/A	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jun. 17, 2025	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jun. 17, 2025	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 23, 2024	Jun. 17, 2025	Oct. 22, 2025	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 03, 2025	Jun. 17, 2025	Mar. 02, 2026	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 24, 2025	Jun. 17, 2025	Mar. 23, 2026	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 26, 2025	Jun. 17, 2025	Mar. 25, 2026	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 23, 2024	Jun. 17, 2025	Sep. 22, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI7	100724	9kHz~7GHz	Feb. 13, 2025	Jun. 17, 2025	Feb. 12, 2026	Conduction (CO07-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3013	101549	10Hz~13.6GHz	Jan. 20, 2025	Jun. 16, 2025	Jan. 19, 2026	DFS (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A2	0.5GHz-18GHz	Calibration from System	Jun. 16, 2025	Calibration from System	DFS (DF02-HY)
Power Divider	Woken	3Way SMA Power Divder Rated to 20W	STI08-0010(#2)	2GHz-8GHz	Calibration from System	Jun. 16, 2025	Calibration from System	DFS (DF02-HY)
Power Divider	Woken	0120A04051801O	DCMB1CW3A7	0.5-18GHz	Calibration from System	Jun. 16, 2025	Calibration from System	DFS (DF02-HY)
RF Cable	MTJ Cooperstion	SBF405-105FLEX	MTJ-30cm-04	30 kHz~18GHz	Calibration from System	Jun. 16, 2025	Calibration from System	DFS (DF02-HY)
RF Cable	MTJ Cooperstion	SBF405-105FLEX	MTJ-30cm-05	30 kHz~18GHz	Calibration from System	Jun. 16, 2025	Calibration from System	DFS (DF02-HY)
RF Cable	EM	SFL402	SFL402-30cm-#8	30 kHz~18GHz	Calibration from System	Jun. 16, 2025	Calibration from System	DFS (DF02-HY)
RF Cable	EC	SS405	SS405-100cm-05	30 kHz~18GHz	Calibration from System	Jun. 16, 2025	Calibration from System	DFS (DF02-HY)
RF Cable	EC	SS405	SS405-100cm-06	30 kHz~18GHz	Calibration from System	Jun. 16, 2025	Calibration from System	DFS (DF02-HY)
RF Cable	EC	SLF405	EC-SFL405-100cm-#8	30 kHz~18GHz	Calibration from System	Jun. 16, 2025	Calibration from System	DFS (DF02-HY)
RF Cable	MVE	SPF141	SPF141-100cm-#12	30 kHz~18GHz	Calibration from System	Jun. 16, 2025	Calibration from System	DFS (DF02-HY)
RF Cable	Woken	S05	S05-60cm-01	30 kHz~18GHz	Calibration from System	Jun. 16, 2025	Calibration from System	DFS (DF02-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.7 dB

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.4 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.4 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.2 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Eason Huang	Temperature:	21~25	°C
Test Date:	2025/4/30~2025/6/13	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.47	16.49	19.58	20.45	-		22.17		-	
11a	6Mbps	2	44	5220	16.46	16.44	19.50	19.72	-		22.16			
11a	6Mbps	2	48	5240	16.48	16.46	19.45	19.90	-		22.16			
HT20	MCS0	2	36	5180	17.62	17.61	20.50	20.83	-		22.46			
HT20	MCS0	2	44	5220	17.62	17.60	21.07	20.98	-		22.45			
HT20	MCS0	2	48	5240	17.62	17.59	20.90	20.88	-		22.45			
HT40	MCS0	2	38	5190	36.27	36.30	41.31	40.62	-		23.01			
HT40	MCS0	2	46	5230	36.26	36.34	41.12	40.86	-		23.01			
VHT80	MCS0	2	42	5210	75.41	75.47	82.75	82.21	-		23.01			
VHT160	MCS0	2	50	5250	154.79	154.80	166.75	166.32	-		23.01			

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TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	19.30	19.40	22.36	24.00		3.09			Pass
11a	6Mbps	2	44	5220	19.10	19.00	22.06	24.00		3.09			Pass
11a	6Mbps	2	48	5240	19.40	19.40	22.41	24.00		3.09			Pass
HT20	MCS0	2	36	5180	19.20	19.30	22.26	24.00		3.09			Pass
HT20	MCS0	2	44	5220	19.30	19.30	22.31	24.00		3.09			Pass
HT20	MCS0	2	48	5240	19.30	19.30	22.31	24.00		3.09			Pass
HT40	MCS0	2	38	5190	18.20	18.40	21.31	24.00		3.09			Pass
HT40	MCS0	2	46	5230	19.30	19.30	22.31	24.00		3.09		-	Pass
VHT20	MCS0	2	36	5180	19.10	19.20	22.16	24.00		3.09			Pass
VHT20	MCS0	2	44	5220	19.20	19.20	22.21	24.00		3.09			Pass
VHT20	MCS0	2	48	5240	19.20	19.20	22.21	24.00		3.09			Pass
VHT40	MCS0	2	38	5190	18.10	18.30	21.21	24.00		3.09			Pass
VHT40	MCS0	2	46	5230	19.20	19.20	22.21	24.00		3.09			Pass
VHT80	MCS0	2	42	5210	17.60	17.50	20.56	24.00		3.09			Pass
VHT160	MCS0	2	50	5250	15.80	15.50	18.66	24.00		3.09			Pass

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TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	0.67	0.67	-		10.25	11.00		5.88		-	Pass
11a	6Mbps	2	44	5220	0.67	0.67			9.87	11.00		5.88			Pass
11a	6Mbps	2	48	5240	0.67	0.67			10.48	11.00		5.88			Pass
HT20	MCS0	2	36	5180	0.65	0.65			9.93	11.00		5.88			Pass
HT20	MCS0	2	44	5220	0.65	0.65			9.46	11.00		5.88			Pass
HT20	MCS0	2	48	5240	0.65	0.65			9.41	11.00		5.88			Pass
HT40	MCS0	2	38	5190	0.66	0.66			6.66	11.00		5.88			Pass
HT40	MCS0	2	46	5230	0.66	0.66			7.57	11.00		5.88			Pass
VHT80	MCS0	2	42	5210	0.67	0.67			2.34	11.00		5.88			Pass
VHT160	MCS0	2	50	5250	0.67	0.67			-2.37	11.00		5.88			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.47	16.42	19.71	19.35	23.15		29.15		23.87		-
11a	6Mbps	2	60	5300	16.46	16.42	19.61	19.49	23.15		29.15		23.90		
11a	6Mbps	2	64	5320	16.46	16.42	19.46	19.43	23.15		29.15		23.89		
HT20	MCS0	2	52	5260	17.62	17.58	20.90	20.71	23.45		29.45		23.98		
HT20	MCS0	2	60	5300	17.62	17.58	20.87	20.62	23.45		29.45		23.98		
HT20	MCS0	2	64	5320	17.61	17.57	20.72	20.60	23.45		29.45		23.98		
HT40	MCS0	2	54	5270	36.32	36.27	41.17	40.56	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.25	36.27	40.93	40.82	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.40	75.48	82.62	82.34	23.98		30.00		23.98		

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TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	19.30	18.40	21.88	23.87		3.61		30	Pass
11a	6Mbps	2	60	5300	19.20	18.30	21.78	23.90		3.61		30	Pass
11a	6Mbps	2	64	5320	19.30	18.50	21.93	23.89		3.61		30	Pass
HT20	MCS0	2	52	5260	19.10	18.20	21.68	23.98		3.61		30	Pass
HT20	MCS0	2	60	5300	19.10	18.20	21.68	23.98		3.61		30	Pass
HT20	MCS0	2	64	5320	19.00	18.40	21.72	23.98		3.61		30	Pass
HT40	MCS0	2	54	5270	19.40	18.60	22.03	23.98		3.61		30	Pass
HT40	MCS0	2	62	5310	18.10	17.70	20.91	23.98		3.61		30	Pass
VHT20	MCS0	2	52	5260	19.00	18.10	21.58	23.98		3.61		30	Pass
VHT20	MCS0	2	60	5300	19.00	18.10	21.58	23.98		3.61		30	Pass
VHT20	MCS0	2	64	5320	18.90	18.30	21.62	23.98		3.61		30	Pass
VHT40	MCS0	2	54	5270	19.30	18.50	21.93	23.98		3.61		30	Pass
VHT40	MCS0	2	62	5310	18.00	17.60	20.81	23.98		3.61		30	Pass
VHT80	MCS0	2	58	5290	16.60	15.80	19.23	23.98		3.61		30	Pass

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TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	0.67	0.67			9.69	10.59		6.41			Pass
11a	6Mbps	2	60	5300	0.67	0.67			9.87	10.59		6.41			Pass
11a	6Mbps	2	64	5320	0.67	0.67			9.93	10.59		6.41			Pass
HT20	MCS0	2	52	5260	0.65	0.65			9.23	10.59		6.41			Pass
HT20	MCS0	2	60	5300	0.65	0.65	-		9.29	10.59		6.41		-	Pass
HT20	MCS0	2	64	5320	0.65	0.65			9.60	10.59		6.41			Pass
HT40	MCS0	2	54	5270	0.66	0.66			7.27	10.59		6.41			Pass
HT40	MCS0	2	62	5310	0.66	0.66			6.33	10.59		6.41			Pass
VHT80	MCS0	2	58	5290	0.67	0.67			1.18	10.59		6.41			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.47	16.42	19.49	19.27	23.15		29.15		23.85		----	----
11a	6Mbps	2	116	5580	16.47	16.43	19.50	19.35	23.16		29.16		23.87		----	----
11a	6Mbps	2	140	5700	16.48	16.43	19.50	19.39	23.16		29.16		23.88		----	----
HT20	MCS0	2	100	5500	17.61	17.58	20.67	20.64	23.45		29.45		23.98		----	----
HT20	MCS0	2	116	5580	17.59	17.58	20.77	20.56	23.45		29.45		23.98		----	----
HT20	MCS0	2	140	5700	17.60	17.57	20.61	20.66	23.45		29.45		23.98		----	----
HT40	MCS0	2	102	5510	36.26	36.23	40.91	40.48	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.26	36.27	41.04	40.64	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	36.28	36.27	41.12	40.82	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	75.43	75.45	82.88	81.86	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	75.46	75.48	82.56	82.69	23.98		30.00		23.98		----	----
VHT160	MCS0	2	114	5570	155.01	154.81	166.80	165.89	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	144	5720	13.25	13.18	14.87	14.70	23.16		29.16		23.90		3.185	3.2
HT20	MCS0	2	144	5720	13.77	13.77	15.35	15.18	23.45		29.45		23.98		3.55	3.805
HT40	MCS0	2	142	5710	33.11	33.11	35.46	35.42	23.98		30.00		23.98		3.171	3.189
VHT80	MCS0	2	138	5690	72.74	72.69	76.54	76.02	23.98		30.00		23.98		2.632	2.6

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TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	19.20	18.50	21.87	23.85		4.09		30	Pass
11a	6Mbps	2	116	5580	18.90	19.30	22.11	23.87		4.09		30	Pass
11a	6Mbps	2	140	5700	19.30	18.40	21.88	23.88		4.09		30	Pass
HT20	MCS0	2	100	5500	19.00	18.40	21.72	23.98		4.09		30	Pass
HT20	MCS0	2	116	5580	18.70	19.10	21.91	23.98		4.09		30	Pass
HT20	MCS0	2	140	5700	19.10	18.20	21.68	23.98		4.09		30	Pass
HT40	MCS0	2	102	5510	18.60	18.00	21.32	23.98		4.09		30	Pass
HT40	MCS0	2	110	5550	19.00	19.00	22.01	23.98		4.09		30	Pass
HT40	MCS0	2	134	5670	19.20	18.90	22.06	23.98		4.09		30	Pass
VHT20	MCS0	2	100	5500	18.90	18.30	21.62	23.98		4.09		30	Pass
VHT20	MCS0	2	116	5580	18.60	19.00	21.81	23.98		4.09		30	Pass
VHT20	MCS0	2	140	5700	19.00	18.10	21.58	23.98		4.09		30	Pass
VHT40	MCS0	2	102	5510	18.50	17.90	21.22	23.98		4.09		30	Pass
VHT40	MCS0	2	110	5550	18.90	18.90	21.91	23.98		4.09		30	Pass
VHT40	MCS0	2	134	5670	19.10	18.80	21.96	23.98		4.09		30	Pass
VHT80	MCS0	2	106	5530	17.60	17.00	20.32	23.98		4.09		30	Pass
VHT80	MCS0	2	122	5610	18.90	19.10	22.01	23.98		4.09		30	Pass
VHT160	MCS0	2	114	5570	16.10	16.30	19.21	23.98		4.09		30	Pass

FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	19.30	18.40	21.88	23.90		4.09		30	Pass
HT20	MCS0	2	144	5720	19.10	18.20	21.68	23.98		4.09		30	Pass
HT40	MCS0	2	142	5710	19.10	18.20	21.68	23.98		4.09		30	Pass
VHT20	MCS0	2	144	5720	19.00	18.10	21.58	23.98		4.09		30	Pass
VHT40	MCS0	2	142	5710	19.00	18.10	21.58	23.98		4.09		30	Pass
VHT80	MCS0	2	138	5690	19.00	18.20	21.63	23.98		4.09		30	Pass

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TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	0.67	0.67	-		9.67	9.90		7.10		-	Pass
11a	6Mbps	2	116	5580	0.67	0.67			9.90	9.90		7.10			Pass
11a	6Mbps	2	140	5700	0.67	0.67			9.79	9.90		7.10			Pass
HT20	MCS0	2	100	5500	0.65	0.65			9.47	9.90		7.10			Pass
HT20	MCS0	2	116	5580	0.65	0.65			9.55	9.90		7.10			Pass
HT20	MCS0	2	140	5700	0.65	0.65			9.46	9.90		7.10			Pass
HT40	MCS0	2	102	5510	0.66	0.66			6.56	9.90		7.10			Pass
HT40	MCS0	2	110	5550	0.66	0.66			7.07	9.90		7.10			Pass
HT40	MCS0	2	134	5670	0.66	0.66			7.35	9.90		7.10			Pass
VHT80	MCS0	2	106	5530	0.67	0.67			2.16	9.90		7.10			Pass
VHT80	MCS0	2	122	5610	0.67	0.67			3.97	9.90		7.10			Pass
VHT160	MCS0	2	114	5570	0.67	0.67			-1.65	9.90		7.10			Pass

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	0.67	0.67	-		9.68	9.90		7.10		-	Pass
HT20	MCS0	2	144	5720	0.65	0.65			9.22	9.90		7.10			Pass
HT40	MCS0	2	142	5710	0.66	0.66			6.69	9.90		7.10			Pass
VHT80	MCS0	2	138	5690	0.67	0.67			3.35	9.90		7.10			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	18.99	18.98	22.72	22.14	-		22.78		-	-
HE20	MCS0	2	44	5220	Full	18.95	18.97	21.56	22.80	-		22.78			
HE20	MCS0	2	48	5240	Full	18.97	18.97	21.78	22.18	-		22.78			
HE40	MCS0	2	38	5190	Full	37.96	37.94	42.14	41.57	-		23.01			
HE40	MCS0	2	46	5230	Full	37.96	38.02	41.60	41.66	-		23.01			
HE80	MCS0	2	42	5210	Full	77.22	77.19	82.66	82.46	-		23.01			
HE160	MCS0	2	50	5250	Full	156.30	156.31	165.98	166.56	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	19.30	19.40	22.36	24.00		3.09		-	Pass
HE20	MCS0	2	36	5180	26/0	10.30	10.30	13.31	24.00		3.09			Pass
HE20	MCS0	2	36	5180	52/37	12.60	12.40	15.51	24.00		3.09			Pass
HE20	MCS0	2	36	5180	106/53	15.60	15.40	18.51	24.00		3.09			Pass
HE20	MCS0	2	44	5220	Full	19.40	19.40	22.41	24.00		3.09			Pass
HE20	MCS0	2	44	5220	26/4	11.20	10.80	14.01	24.00		3.09			Pass
HE20	MCS0	2	44	5220	52/38	13.00	12.80	15.91	24.00		3.09			Pass
HE20	MCS0	2	44	5220	106/53	16.30	16.00	19.16	24.00		3.09			Pass
HE20	MCS0	2	48	5240	Full	19.40	19.40	22.41	24.00		3.09			Pass
HE20	MCS0	2	48	5240	26/8	10.20	10.10	13.16	24.00		3.09			Pass
HE20	MCS0	2	48	5240	52/40	13.00	12.80	15.91	24.00		3.09			Pass
HE20	MCS0	2	48	5240	106/54	16.10	16.00	19.06	24.00		3.09			Pass
HE40	MCS0	2	38	5190	Full	18.30	18.50	21.41	24.00		3.09			Pass
HE40	MCS0	2	38	5190	242/61	16.30	16.30	19.31	24.00		3.09			Pass
HE40	MCS0	2	46	5230	Full	19.40	19.40	22.41	24.00		3.09			Pass
HE40	MCS0	2	46	5230	242/62	16.70	16.90	19.81	24.00		3.09			Pass
HE80	MCS0	2	42	5210	Full	17.70	17.60	20.66	24.00		3.09			Pass
HE80	MCS0	2	42	5210	484/65	15.20	14.70	17.97	24.00		3.09			Pass
HE160	MCS0	2	50	5250	Full	15.90	15.60	18.76	24.00		3.09			Pass
HE160	MCS0	2	50	5250	996/67	13.70	13.30	16.51	24.00		3.09			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	0.66	0.66			9.58	11.00		5.88			Pass
HE20	MCS0	2	36	5180	26/0	0.63	0.63			9.43	11.00		5.88			Pass
HE20	MCS0	2	36	5180	52/37	0.64	0.64			9.13	11.00		5.88			Pass
HE20	MCS0	2	36	5180	106/53	0.67	0.67			9.19	11.00		5.88			Pass
HE20	MCS0	2	44	5220	Full	0.66	0.66			9.83	11.00		5.88			Pass
HE20	MCS0	2	44	5220	26/4	0.63	0.63			9.78	11.00		5.88			Pass
HE20	MCS0	2	44	5220	52/38	0.64	0.64			9.70	11.00		5.88			Pass
HE20	MCS0	2	44	5220	106/53	0.67	0.67			9.68	11.00		5.88			Pass
HE20	MCS0	2	48	5240	Full	0.66	0.66			9.82	11.00		5.88			Pass
HE20	MCS0	2	48	5240	26/8	0.63	0.63			9.76	11.00		5.88			Pass
HE20	MCS0	2	48	5240	52/40	0.64	0.64	-		9.73	11.00		5.88		-	Pass
HE20	MCS0	2	48	5240	106/54	0.67	0.67			9.64	11.00		5.88			Pass
HE40	MCS0	2	38	5190	Full	0.67	0.67			6.38	11.00		5.88			Pass
HE40	MCS0	2	38	5190	242/61	0.66	0.66			6.32	11.00		5.88			Pass
HE40	MCS0	2	46	5230	Full	0.67	0.67			6.93	11.00		5.88			Pass
HE40	MCS0	2	46	5230	242/62	0.66	0.66			6.87	11.00		5.88			Pass
HE80	MCS0	2	42	5210	Full	0.66	0.66			2.46	11.00		5.88			Pass
HE80	MCS0	2	42	5210	484/65	0.66	0.66			2.35	11.00		5.88			Pass
HE160	MCS0	2	50	5250	Full	0.67	0.67			-2.52	11.00		5.88			Pass
HE160	MCS0	2	50	5250	996/67	0.67	0.67			-2.54	11.00		5.88			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	52	5260	Full	18.95	18.93	21.78	21.37	23.77		29.77		23.98		
HE20	MCS0	2	60	5300	Full	18.96	18.91	21.51	21.37	23.77		29.77		23.98		
HE20	MCS0	2	64	5320	Full	18.95	18.92	21.81	21.70	23.77		29.77		23.98		
HE40	MCS0	2	54	5270	Full	37.96	37.94	41.50	41.54	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.93	37.87	41.70	41.46	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.26	77.19	82.66	82.69	23.98		30.00		23.98		

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TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	19.20	18.30	21.78	23.98		3.61		30	Pass
HE20	MCS0	2	52	5260	26/0	9.00	8.10	11.58	23.98		3.61		30	Pass
HE20	MCS0	2	52	5260	52/37	12.20	11.60	14.92	23.98		3.61		30	Pass
HE20	MCS0	2	52	5260	106/53	15.40	14.80	18.12	23.98		3.61		30	Pass
HE20	MCS0	2	60	5300	Full	19.20	18.30	21.78	23.98		3.61		30	Pass
HE20	MCS0	2	60	5300	26/4	10.40	9.70	13.07	23.98		3.61		30	Pass
HE20	MCS0	2	60	5300	52/38	12.10	11.40	14.77	23.98		3.61		30	Pass
HE20	MCS0	2	60	5300	106/53	15.80	15.00	18.43	23.98		3.61		30	Pass
HE20	MCS0	2	64	5320	Full	19.10	18.50	21.82	23.98		3.61		30	Pass
HE20	MCS0	2	64	5320	26/8	9.80	9.30	12.57	23.98		3.61		30	Pass
HE20	MCS0	2	64	5320	52/40	12.20	11.80	15.01	23.98		3.61		30	Pass
HE20	MCS0	2	64	5320	106/54	15.20	15.30	18.26	23.98		3.61		30	Pass
HE40	MCS0	2	54	5270	Full	19.50	18.70	22.13	23.98		3.61		30	Pass
HE40	MCS0	2	54	5270	242/61	16.70	16.10	19.42	23.98		3.61		30	Pass
HE40	MCS0	2	62	5310	Full	18.20	17.80	21.01	23.98		3.61		30	Pass
HE40	MCS0	2	62	5310	242/62	15.10	15.10	18.11	23.98		3.61		30	Pass
HE80	MCS0	2	58	5290	Full	16.70	15.90	19.33	23.98		3.61		30	Pass
HE80	MCS0	2	58	5290	484/66	13.60	12.90	16.27	23.98		3.61		30	Pass
HE160	MCS0	2	50	5250	996/S67	12.70	12.80	15.76	23.98		3.61		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	0.66	0.66			9.07	10.59		6.41			Pass
HE20	MCS0	2	52	5260	26/0	0.63	0.63			8.57	10.59		6.41			Pass
HE20	MCS0	2	52	5260	52/37	0.64	0.64			8.90	10.59		6.41			Pass
HE20	MCS0	2	52	5260	106/53	0.67	0.67			8.94	10.59		6.41			Pass
HE20	MCS0	2	60	5300	Full	0.66	0.66			9.07	10.59		6.41			Pass
HE20	MCS0	2	60	5300	26/4	0.63	0.63			8.77	10.59		6.41			Pass
HE20	MCS0	2	60	5300	52/38	0.64	0.64			8.73	10.59		6.41			Pass
HE20	MCS0	2	60	5300	106/53	0.67	0.67			8.95	10.59		6.41			Pass
HE20	MCS0	2	64	5320	Full	0.66	0.66			9.15	10.59		6.41			Pass
HE20	MCS0	2	64	5320	26/8	0.63	0.63	-		9.08	10.59		6.41		-	Pass
HE20	MCS0	2	64	5320	52/40	0.64	0.64			8.86	10.59		6.41			Pass
HE20	MCS0	2	64	5320	106/54	0.67	0.67			8.85	10.59		6.41			Pass
HE40	MCS0	2	54	5270	Full	0.67	0.67			6.82	10.59		6.41			Pass
HE40	MCS0	2	54	5270	242/61	0.66	0.66			6.64	10.59		6.41			Pass
HE40	MCS0	2	62	5310	Full	0.67	0.67			5.84	10.59		6.41			Pass
HE40	MCS0	2	62	5310	242/62	0.66	0.66			5.53	10.59		6.41			Pass
HE80	MCS0	2	58	5290	Full	0.66	0.66			1.20	10.59		6.41			Pass
HE80	MCS0	2	58	5290	484/66	0.66	0.66			1.06	10.59		6.41			Pass
HE160	MCS0	2	50	5250	996/S67	0.67	0.67			-2.53	10.59		6.41			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	100	5500	Full	18.94	18.92	21.23	21.26	23.77		29.77		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.90	18.93	21.78	22.05	23.77		29.77		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.91	18.92	21.37	21.38	23.77		29.77		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.94	37.86	41.62	41.34	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.93	37.95	41.86	41.36	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.93	37.91	41.92	41.58	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	77.27	77.16	82.37	82.98	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.25	77.19	82.56	82.75	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	156.48	156.30	165.12	166.08	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	144	5720	Full	14.44	14.44	15.76	15.87	23.77		29.77		23.98		4.32	4.495
HE40	MCS0	2	142	5710	Full	33.93	33.92	35.66	35.78	23.98		30.00		23.98		3.603	3.738
HE80	MCS0	2	138	5690	Full	73.61	73.55	76.28	75.99	23.98		30.00		23.98		3.832	2.616

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TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	19.10	18.50	21.82	23.98		4.09		30	Pass
HE20	MCS0	2	100	5500	26/0	9.70	9.00	12.37	23.98		4.09		30	Pass
HE20	MCS0	2	100	5500	52/37	12.60	11.80	15.23	23.98		4.09		30	Pass
HE20	MCS0	2	100	5500	106/53	15.80	15.20	18.52	23.98		4.09		30	Pass
HE20	MCS0	2	116	5580	Full	18.80	19.20	22.01	23.98		4.09		30	Pass
HE20	MCS0	2	116	5580	26/4	10.60	11.00	13.81	23.98		4.09		30	Pass
HE20	MCS0	2	116	5580	52/38	12.30	12.60	15.46	23.98		4.09		30	Pass
HE20	MCS0	2	116	5580	106/53	15.00	15.70	18.37	23.98		4.09		30	Pass
HE20	MCS0	2	140	5700	Full	19.20	18.30	21.78	23.98		4.09		30	Pass
HE20	MCS0	2	140	5700	26/8	9.10	8.30	11.73	23.98		4.09		30	Pass
HE20	MCS0	2	140	5700	52/40	11.90	11.30	14.62	23.98		4.09		30	Pass
HE20	MCS0	2	140	5700	106/54	15.00	14.50	17.77	23.98		4.09		30	Pass
HE40	MCS0	2	102	5510	Full	18.70	18.10	21.42	23.98		4.09		30	Pass
HE40	MCS0	2	102	5510	242/61	15.80	15.10	18.47	23.98		4.09		30	Pass
HE40	MCS0	2	110	5550	Full	19.10	19.10	22.11	23.98		4.09		30	Pass
HE40	MCS0	2	110	5550	242/61	15.90	16.10	19.01	23.98		4.09		30	Pass
HE40	MCS0	2	134	5670	Full	19.30	19.00	22.16	23.98		4.09		30	Pass
HE40	MCS0	2	134	5670	242/62	16.00	16.00	19.01	23.98		4.09		30	Pass
HE80	MCS0	2	106	5530	Full	17.70	17.10	20.42	23.98		4.09		30	Pass
HE80	MCS0	2	106	5530	484/65	14.70	14.00	17.37	23.98		4.09		30	Pass
HE80	MCS0	2	122	5610	Full	19.00	19.20	22.11	23.98		4.09		30	Pass
HE80	MCS0	2	122	5610	484/66	15.80	16.20	19.01	23.98		4.09		30	Pass
HE160	MCS0	2	114	5570	Full	16.20	16.40	19.31	23.98		4.09		30	Pass
HE160	MCS0	2	114	5570	996/67	13.70	14.10	16.91	23.98		4.09		30	Pass
HE160	MCS0	2	114	5570	996/S67	13.60	13.90	16.76	23.98		4.09		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	19.20	18.30	21.78	23.98		4.09		30	Pass
HE20	MCS0	2	144	5720	26/8	8.90	8.20	11.57	23.98		4.09		30	Pass
HE20	MCS0	2	144	5720	52/40	12.40	11.70	15.07	23.98		4.09		30	Pass
HE20	MCS0	2	144	5720	106/54	15.00	14.50	17.77	23.98		4.09		30	Pass
HE40	MCS0	2	142	5710	Full	19.20	18.30	21.78	23.98		4.09		30	Pass
HE40	MCS0	2	142	5710	242/62	15.50	14.70	18.13	23.98		4.09		30	Pass
HE80	MCS0	2	138	5690	Full	19.10	18.30	21.73	23.98		4.09		30	Pass
HE80	MCS0	2	138	5690	484/66	15.30	14.50	17.93	23.98		4.09		30	Pass

TEST RESULTS DATA
Power Spectral Density

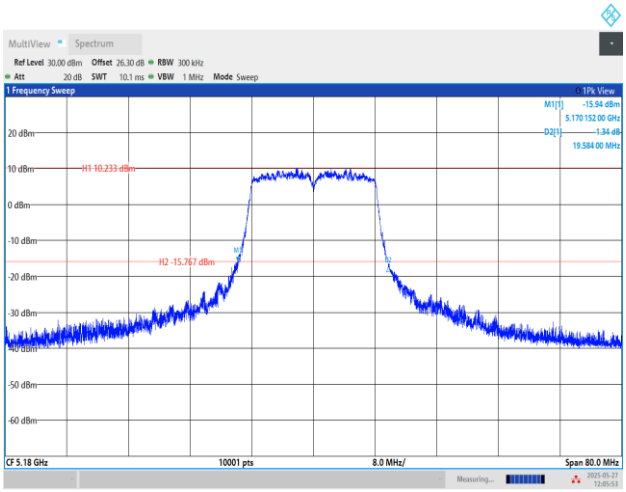
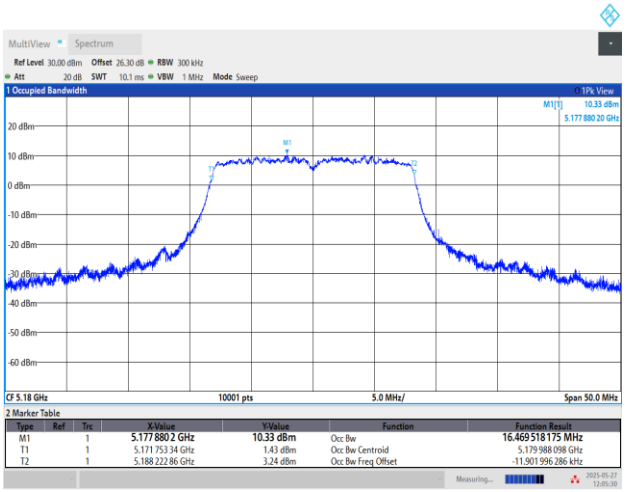
U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	0.66	0.66			9.13	9.90		7.10			Pass
HE20	MCS0	2	100	5500	26/0	0.63	0.63			8.92	9.90		7.10			Pass
HE20	MCS0	2	100	5500	52/37	0.64	0.64			9.07	9.90		7.10			Pass
HE20	MCS0	2	100	5500	106/53	0.67	0.67			9.11	9.90		7.10			Pass
HE20	MCS0	2	116	5580	Full	0.66	0.66			9.31	9.90		7.10			Pass
HE20	MCS0	2	116	5580	26/4	0.63	0.63			8.99	9.90		7.10			Pass
HE20	MCS0	2	116	5580	52/38	0.64	0.64			9.20	9.90		7.10			Pass
HE20	MCS0	2	116	5580	106/53	0.67	0.67			9.07	9.90		7.10			Pass
HE20	MCS0	2	140	5700	Full	0.66	0.66			9.02	9.90		7.10			Pass
HE20	MCS0	2	140	5700	26/8	0.63	0.63			8.69	9.90		7.10			Pass
HE20	MCS0	2	140	5700	52/40	0.64	0.64			8.54	9.90		7.10			Pass
HE20	MCS0	2	140	5700	106/54	0.67	0.67			8.85	9.90		7.10			Pass
HE40	MCS0	2	102	5510	Full	0.67	0.67	-		6.25	9.90		7.10		-	Pass
HE40	MCS0	2	102	5510	242/61	0.66	0.66			5.77	9.90		7.10			Pass
HE40	MCS0	2	110	5550	Full	0.67	0.67			6.69	9.90		7.10			Pass
HE40	MCS0	2	110	5550	242/61	0.66	0.66			6.26	9.90		7.10			Pass
HE40	MCS0	2	134	5670	Full	0.67	0.67			6.78	9.90		7.10			Pass
HE40	MCS0	2	134	5670	242/62	0.66	0.66			6.66	9.90		7.10			Pass
HE80	MCS0	2	106	5530	Full	0.66	0.66			2.11	9.90		7.10			Pass
HE80	MCS0	2	106	5530	484/65	0.66	0.66			2.03	9.90		7.10			Pass
HE80	MCS0	2	122	5610	Full	0.66	0.66			4.06	9.90		7.10			Pass
HE80	MCS0	2	122	5610	484/66	0.66	0.66			3.61	9.90		7.10			Pass
HE160	MCS0	2	114	5570	Full	0.67	0.67			-1.86	9.90		7.10			Pass
HE160	MCS0	2	114	5570	996/67	0.67	0.67			-2.04	9.90		7.10			Pass
HE160	MCS0	2	114	5570	996/S67	0.67	0.67			-2.17	9.90		7.10			Pass

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	0.66	0.66			8.91	9.90		7.10			Pass
HE20	MCS0	2	144	5720	26/8	0.63	0.63			8.63	9.90		7.10			Pass
HE20	MCS0	2	144	5720	52/40	0.64	0.64			8.67	9.90		7.10			Pass
HE20	MCS0	2	144	5720	106/54	0.67	0.67			8.82	9.90		7.10			Pass
HE40	MCS0	2	142	5710	Full	0.67	0.67	-		6.36	9.90		7.10		-	Pass
HE40	MCS0	2	142	5710	242/62	0.66	0.66			6.02	9.90		7.10			Pass
HE80	MCS0	2	138	5690	Full	0.66	0.66			3.32	9.90		7.10			Pass
HE80	MCS0	2	138	5690	484/66	0.66	0.66			2.93	9.90		7.10			Pass

Test Result of 26dB & 99% Occupied Bandwidth

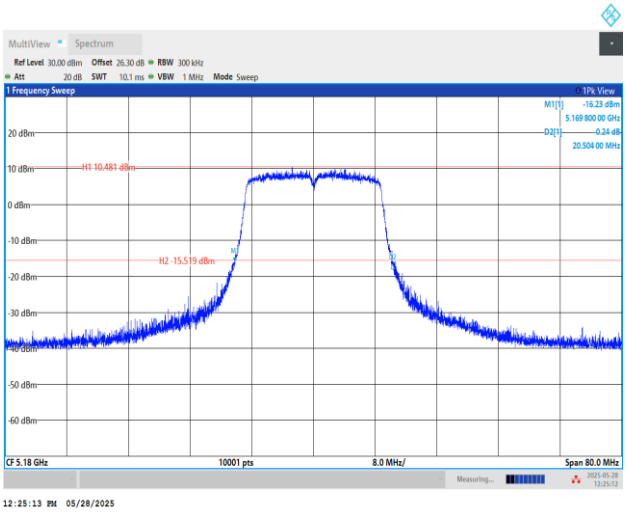
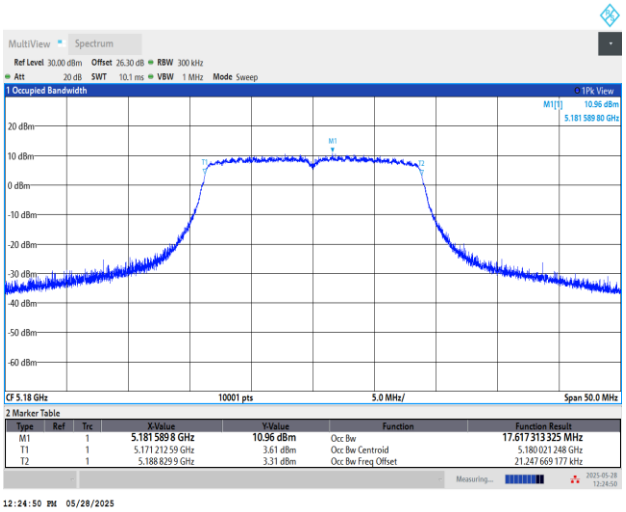
MIMO <Ant. 1+2>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

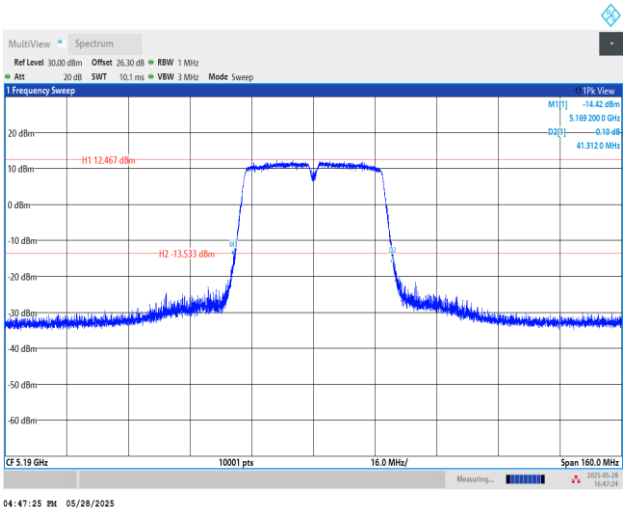
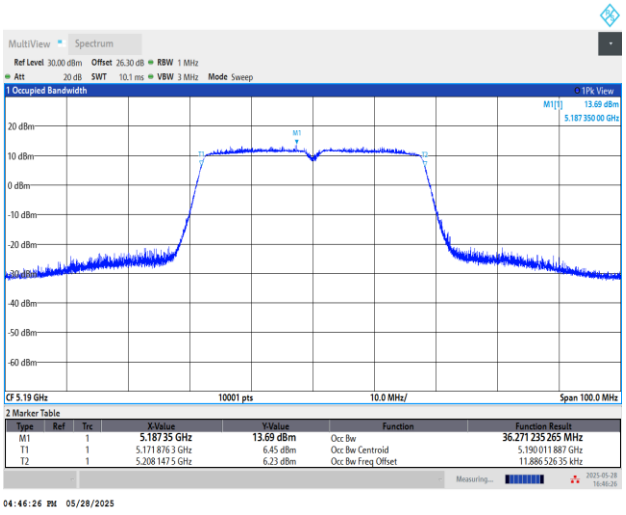
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11an HT20>

26dB Bandwidth	99% Occupied Bandwidth
	

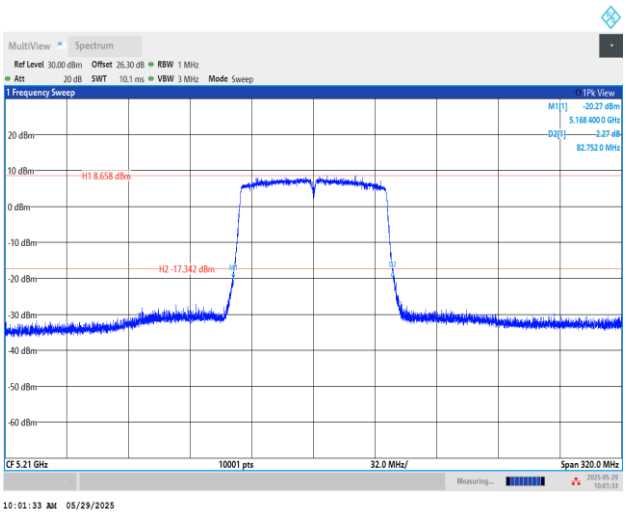
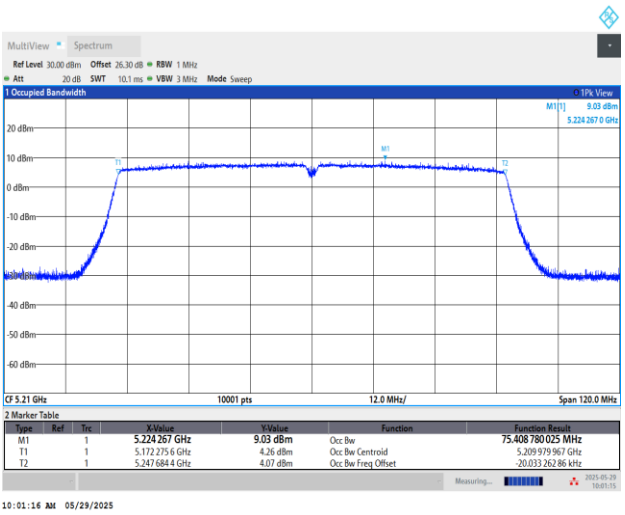
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11an HT40>

26dB Bandwidth	99% Occupied Bandwidth
	

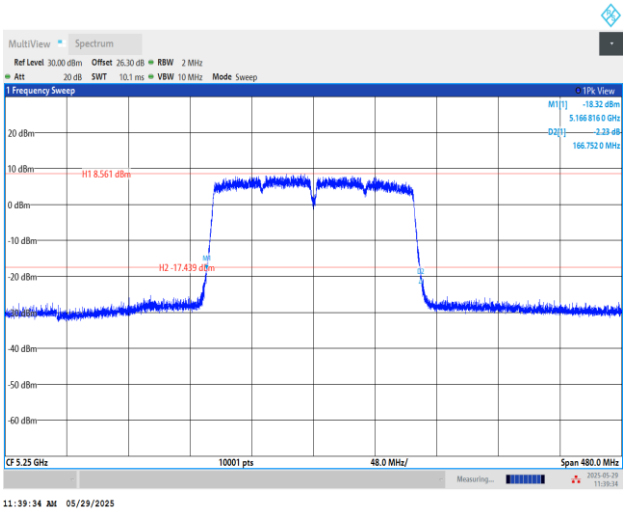
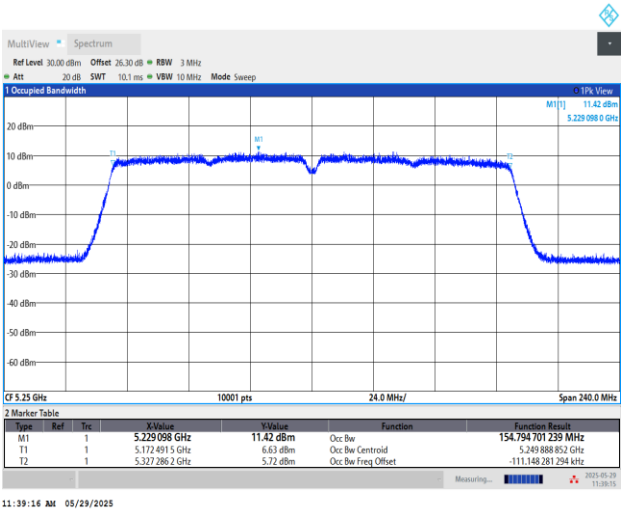
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT80>

26dB Bandwidth	99% Occupied Bandwidth
	

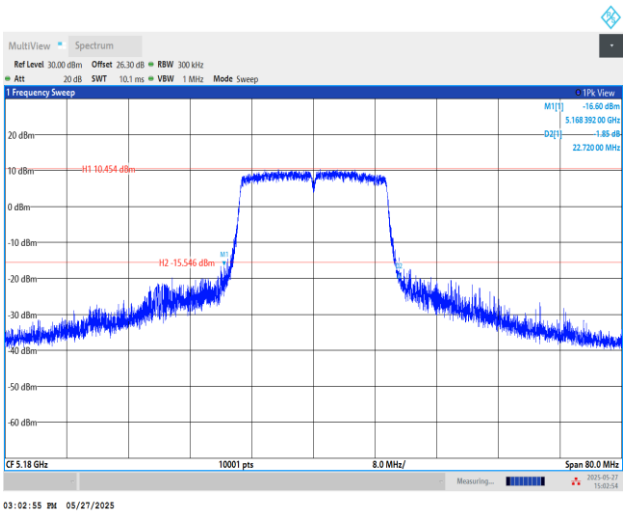
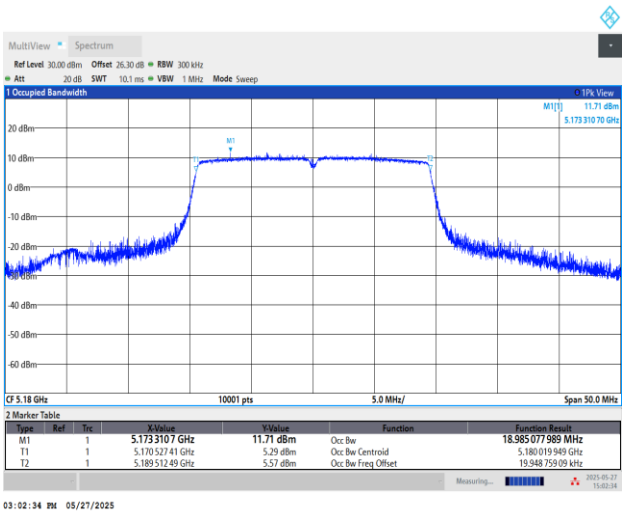
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT160>

26dB Bandwidth	99% Occupied Bandwidth
	

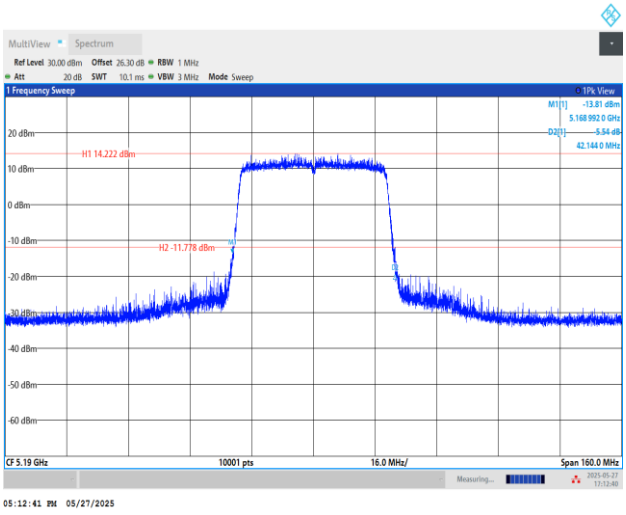
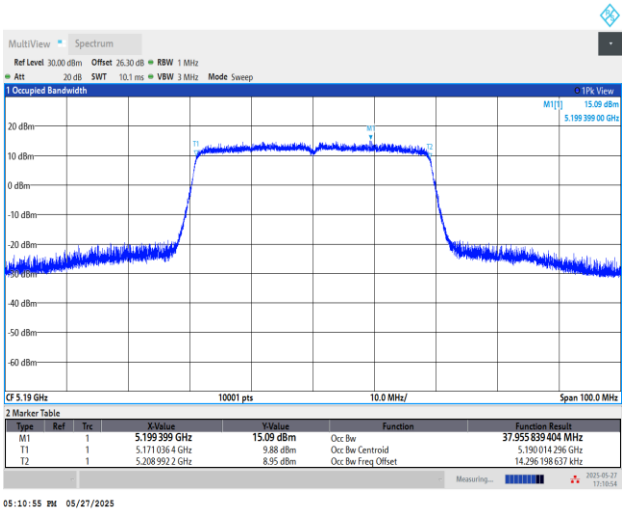
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

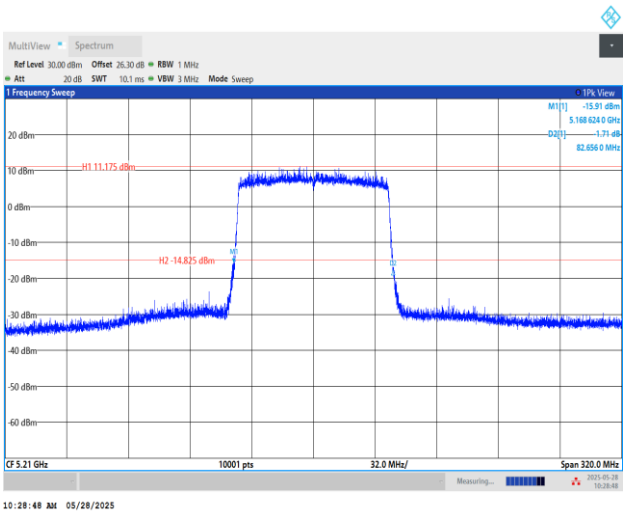
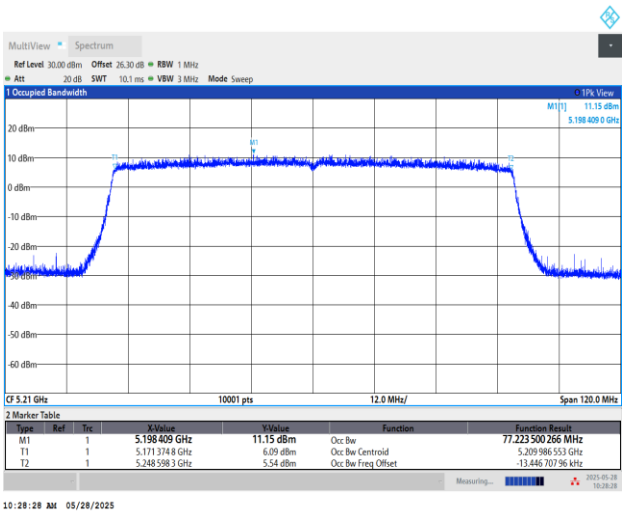
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

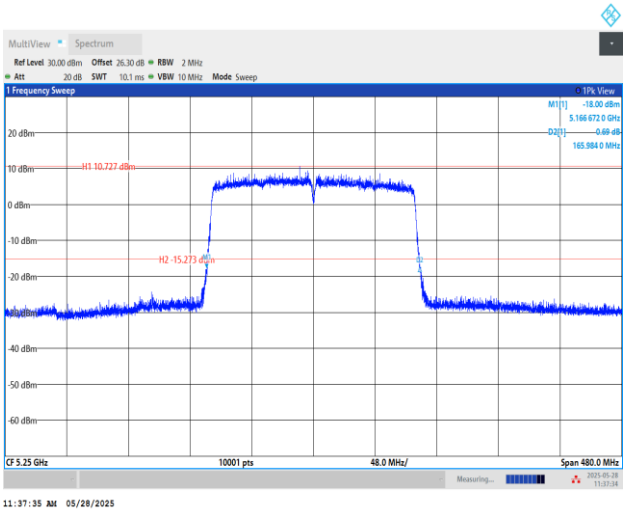
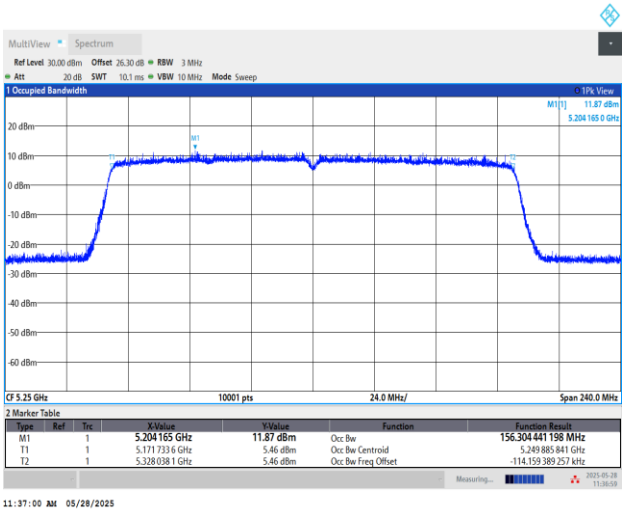
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

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

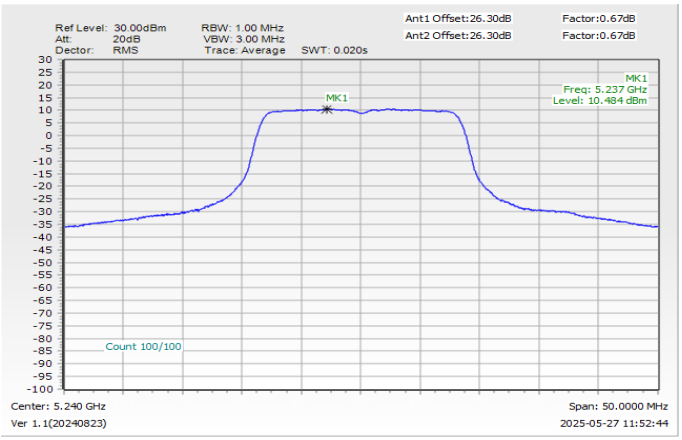
<802.11ax HE160>

26dB Bandwidth	99% Occupied Bandwidth
	

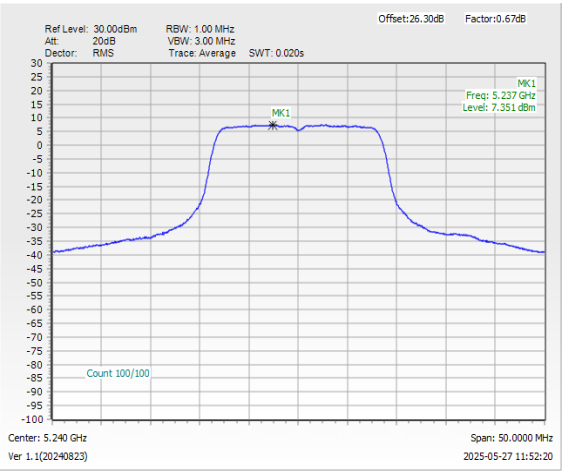
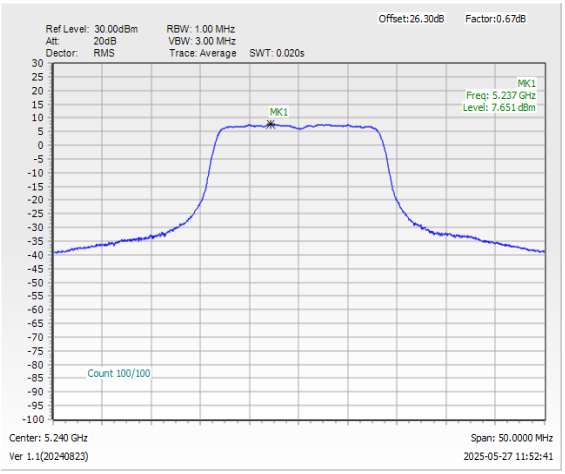
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Result of Power Spectral Density

<802.11a>

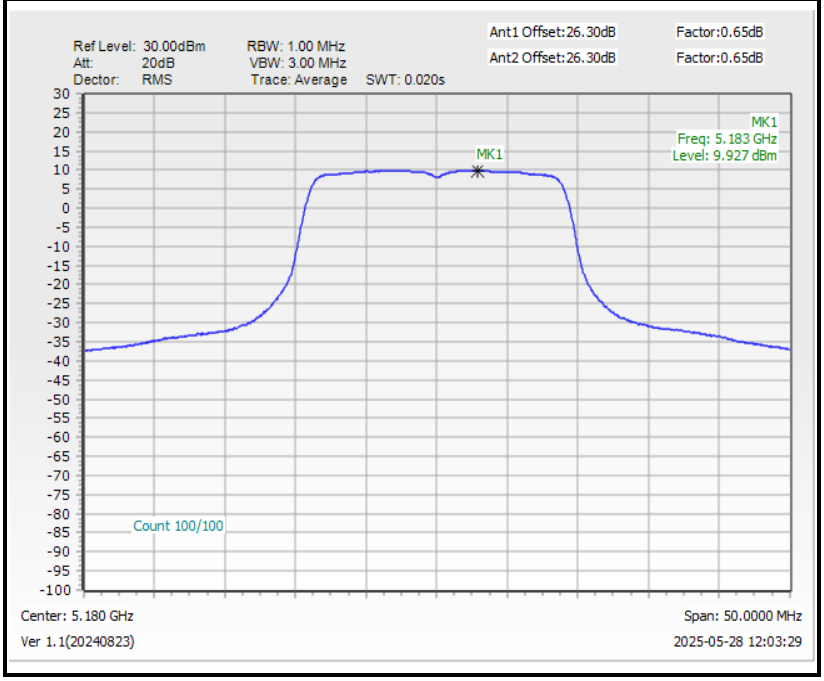
Maximum Power Density Plot (dBm/MHz)


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

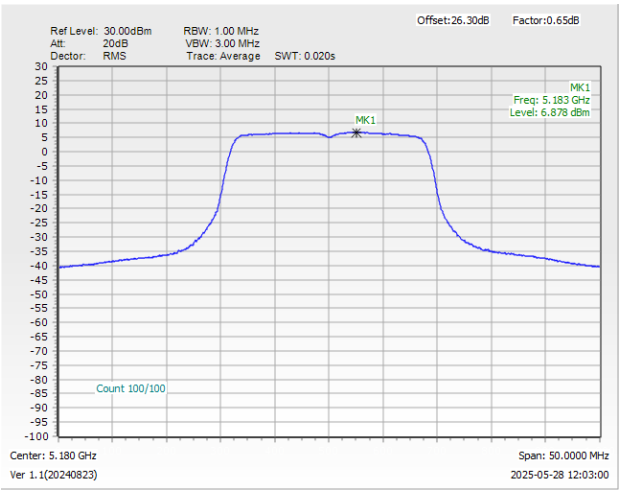
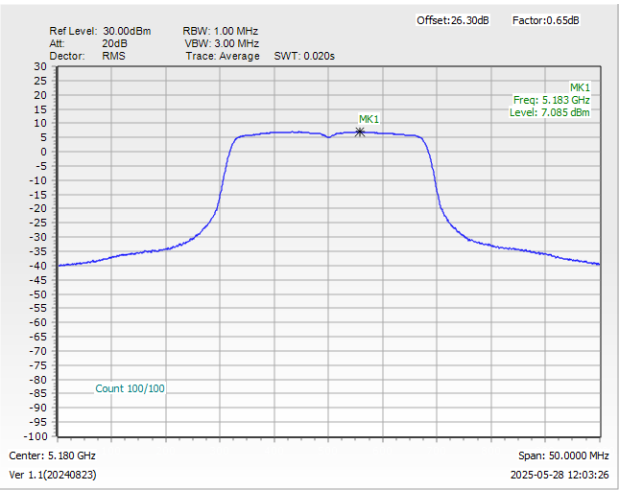
Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

<802.11an HT20>

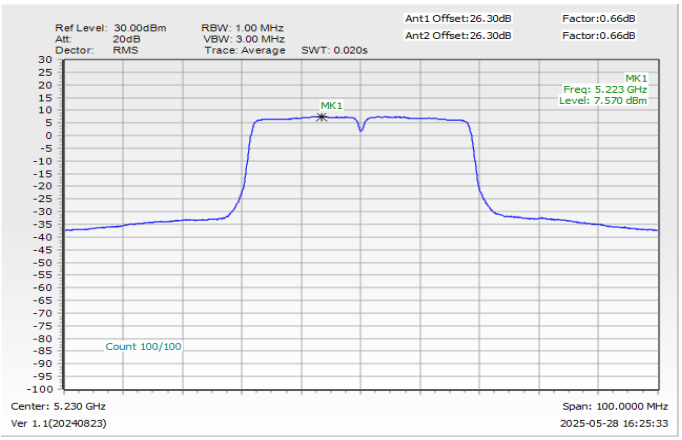
Maximum Power Density Plot (dBm/MHz)



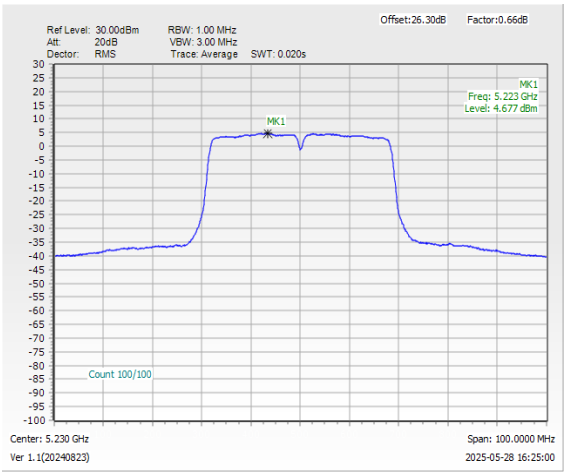
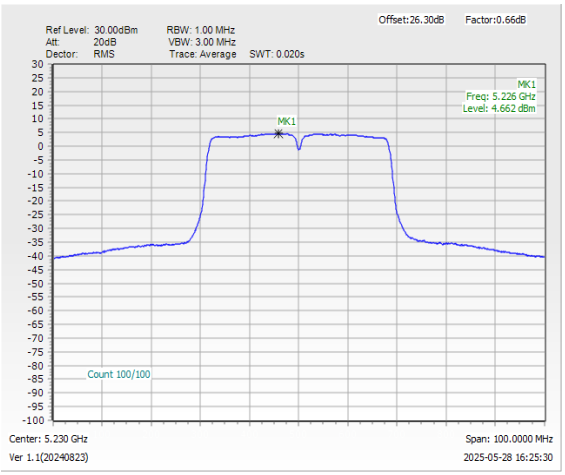
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

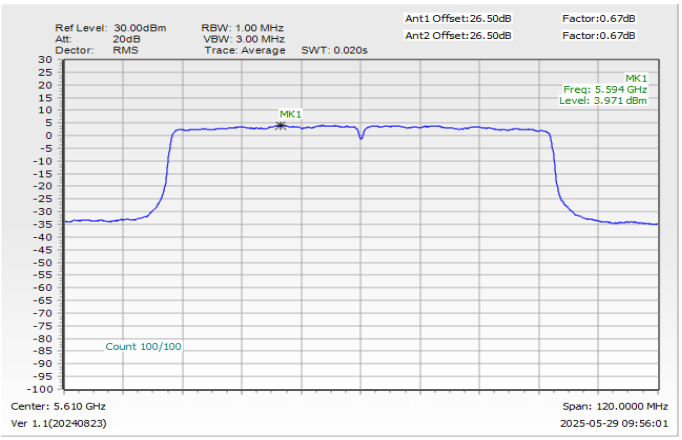
<802.11an HT40>

Maximum Power Density Plot (dBm/MHz)


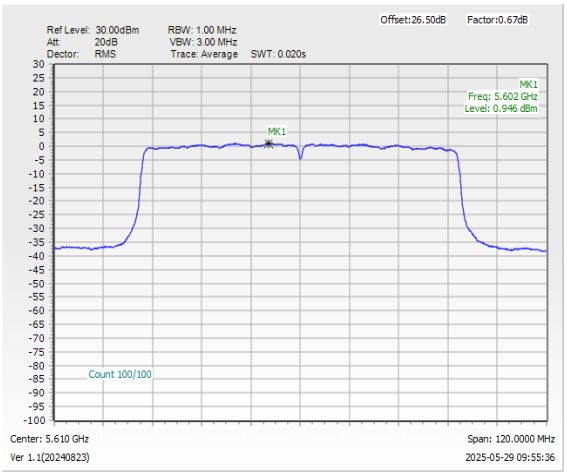
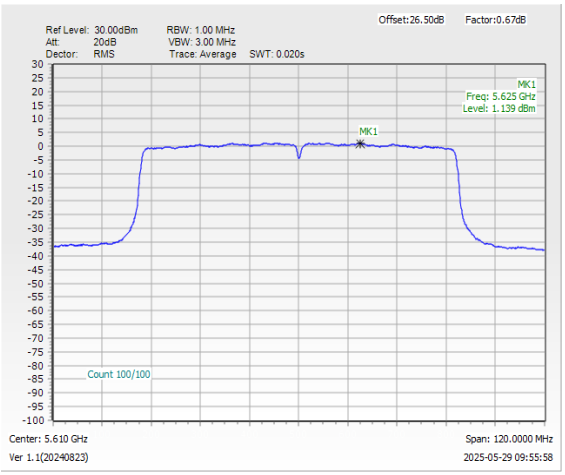
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

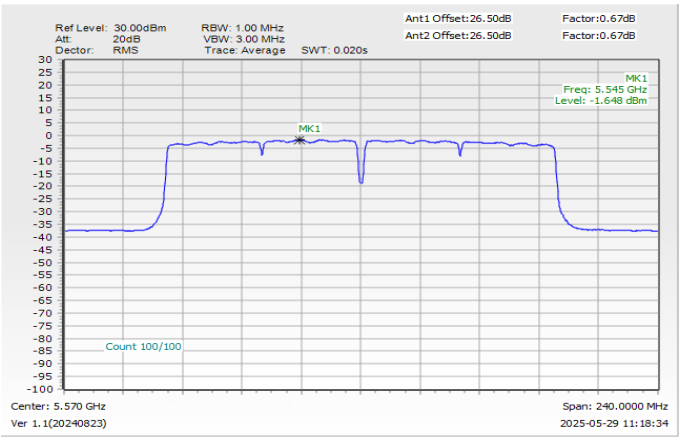
<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)


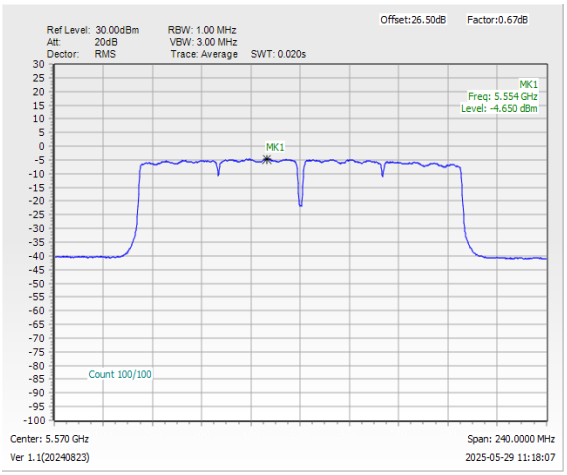
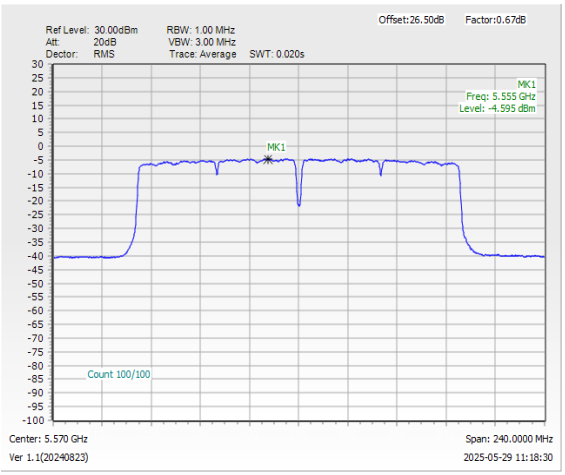
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

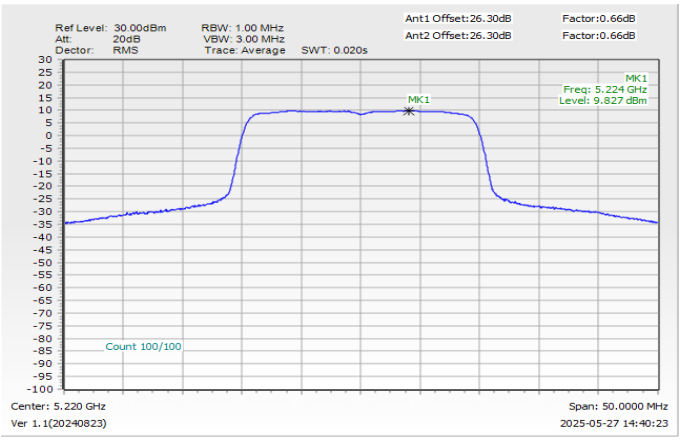
<802.11ac VHT160>

Maximum Power Density Plot (dBm/MHz)


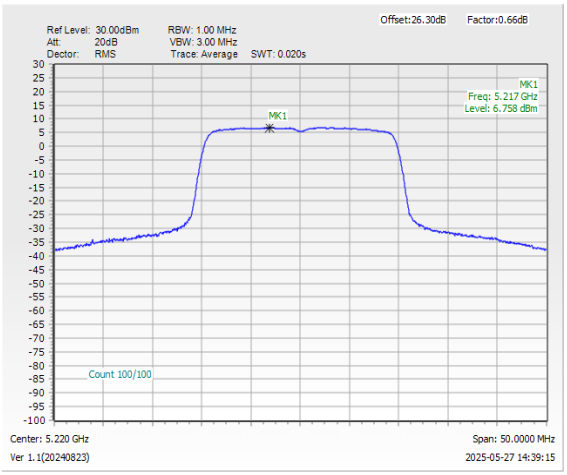
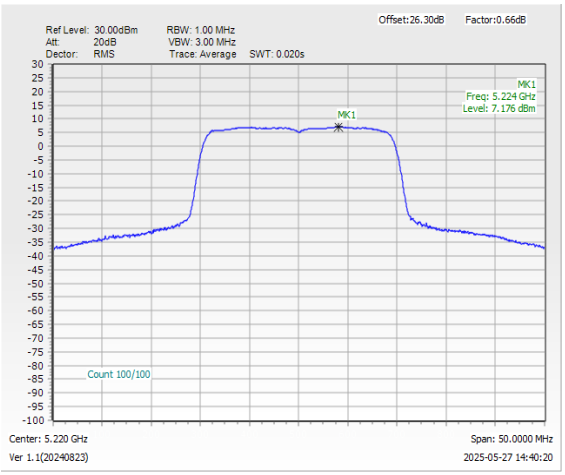
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

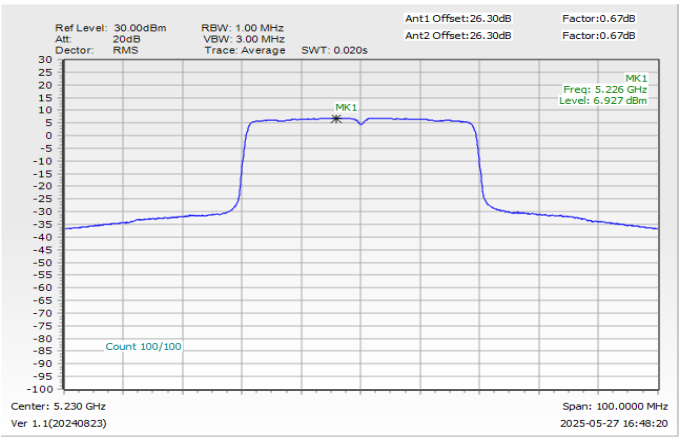
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)


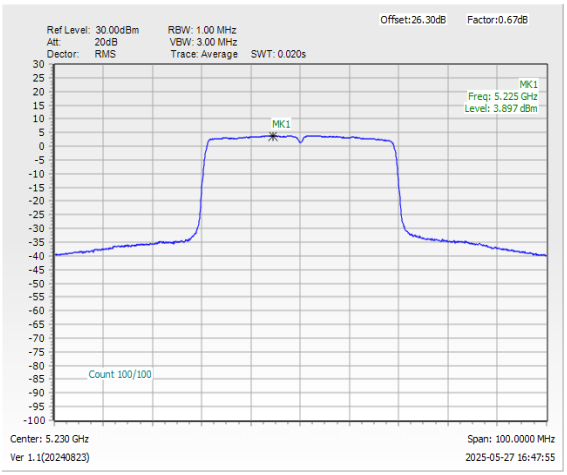
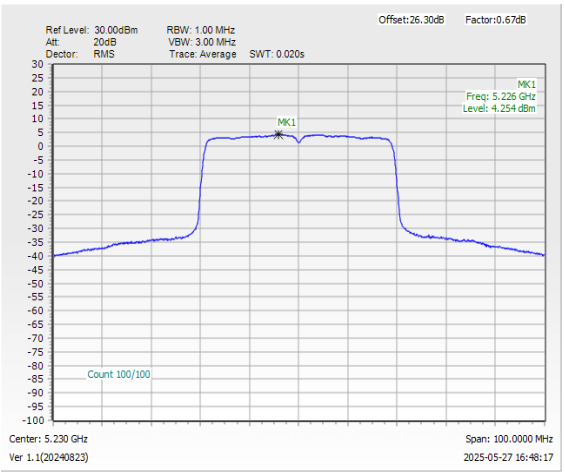
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

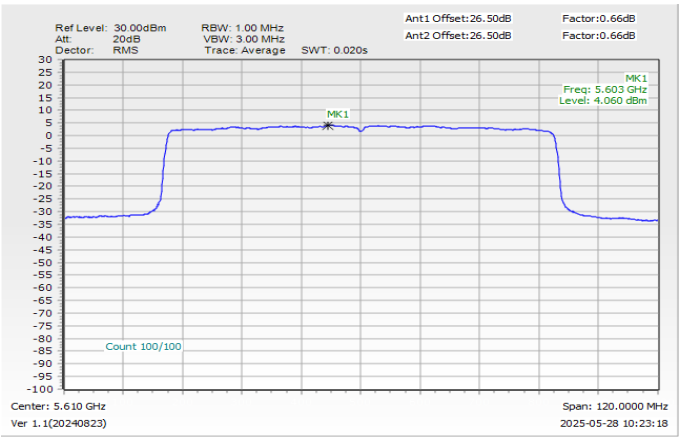
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)


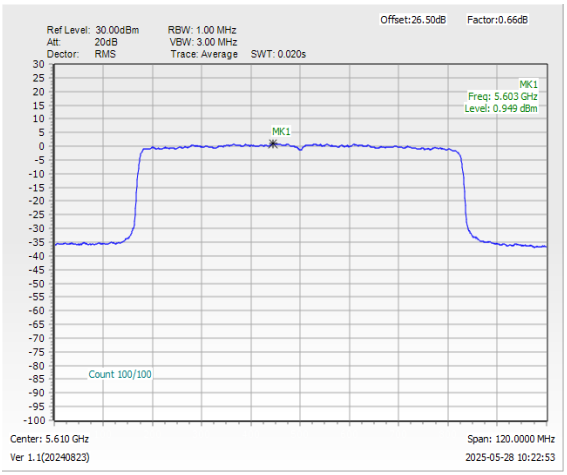
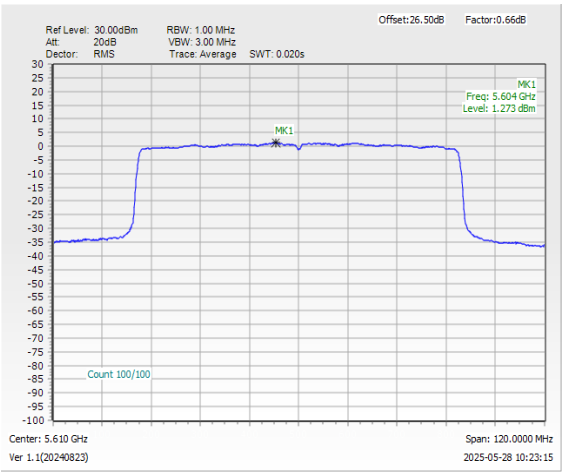
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

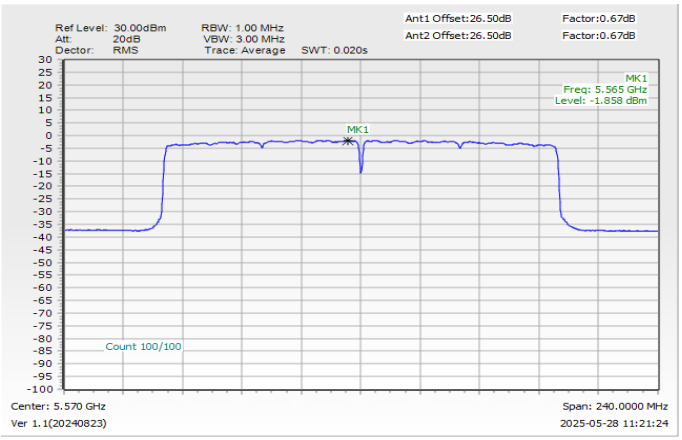
<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)


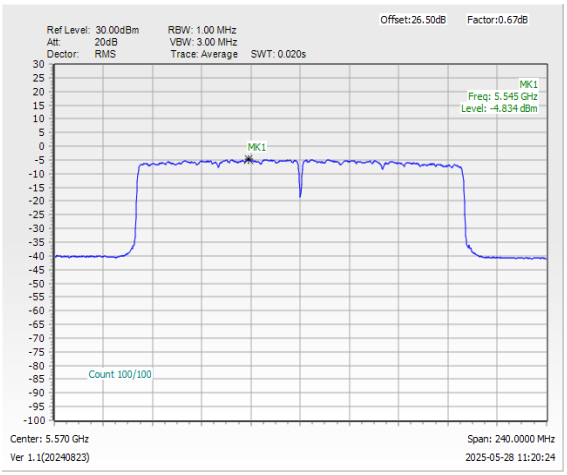
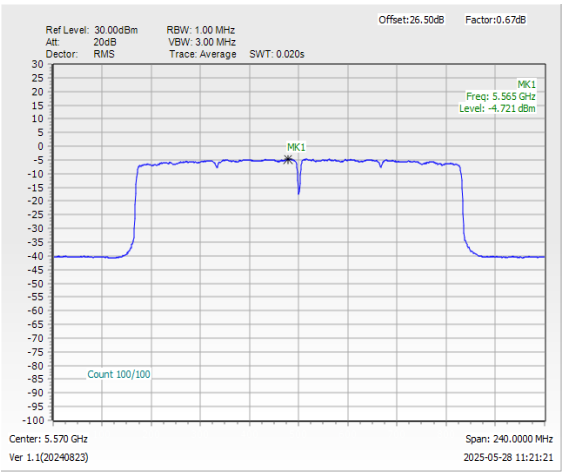
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

<802.11ax HE160>

Maximum Power Density Plot (dBm/MHz)


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

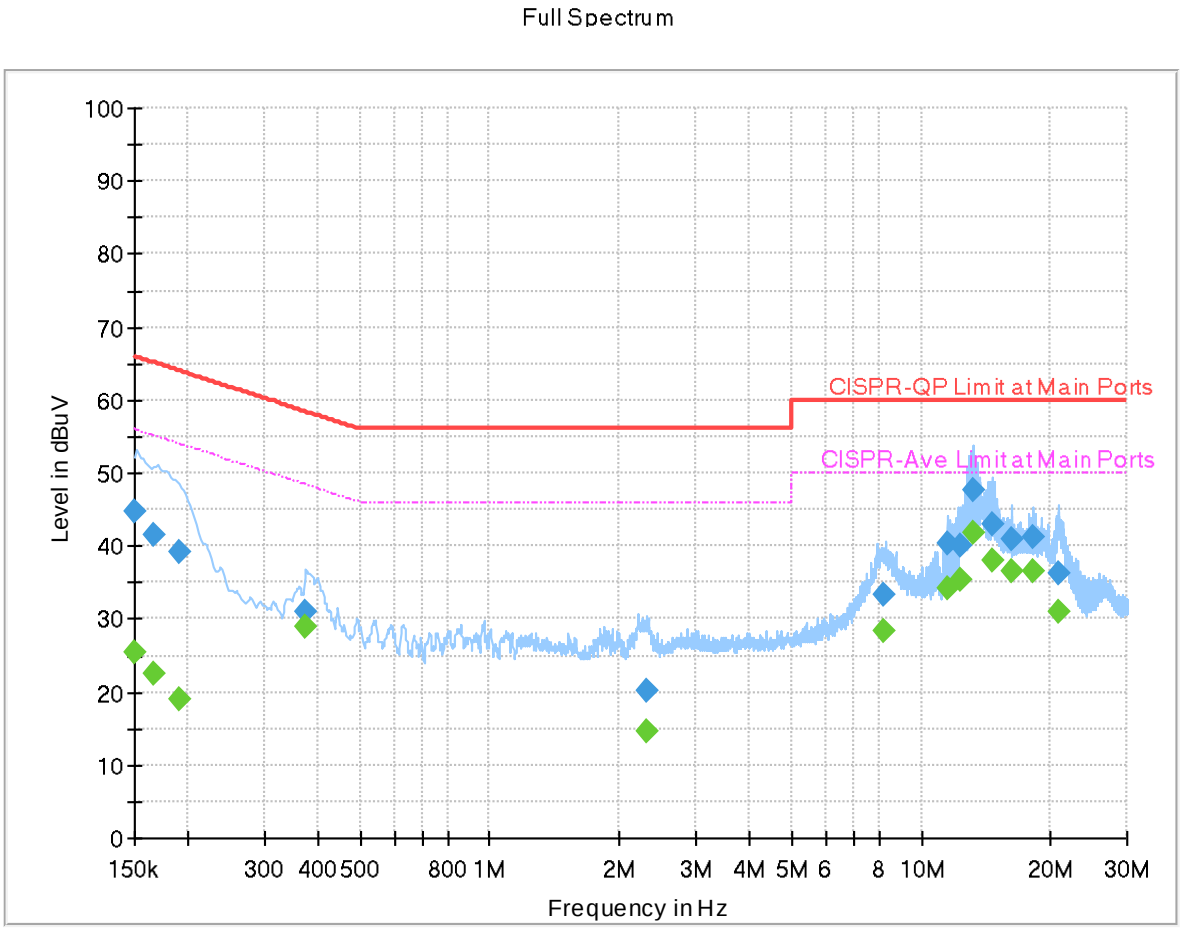
Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	23.5~26.1℃
		Relative Humidity :	52.3~62.7%

EUT Information

Report NO :	522804
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



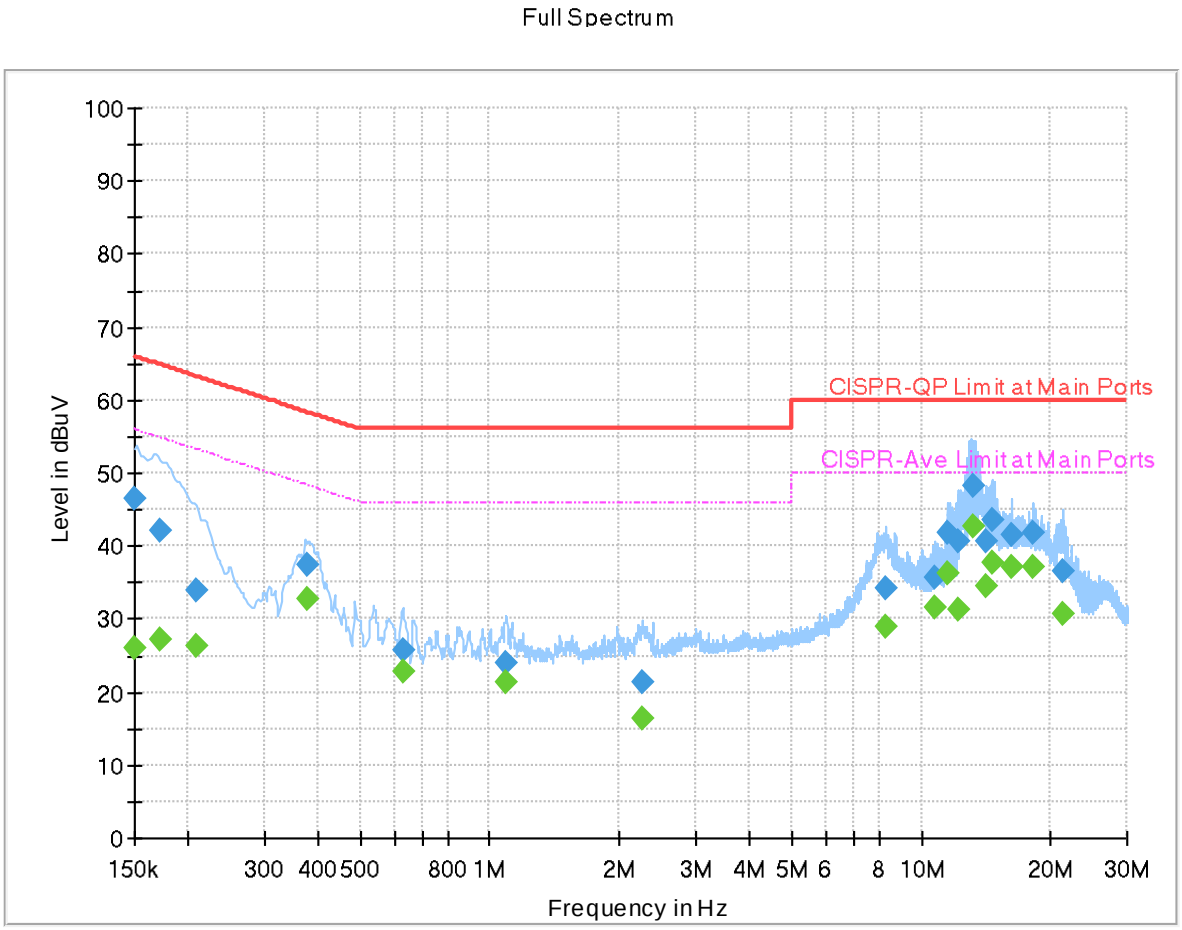
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.150000	---	25.52	56.00	30.48	L1	FLO	20.0
0.150000	44.71	---	66.00	21.29	L1	FLO	20.0
0.165750	---	22.58	55.17	32.59	L1	FLO	20.0
0.165750	41.47	---	65.17	23.70	L1	FLO	20.0
0.190500	---	18.93	54.02	35.09	L1	FLO	20.0
0.190500	39.31	---	64.02	24.71	L1	FLO	20.0
0.372750	---	28.90	48.44	19.54	L1	FLO	20.0
0.372750	31.05	---	58.44	27.39	L1	FLO	20.0
2.307840	---	14.69	46.00	31.31	L1	FLO	20.1
2.307840	20.22	---	56.00	35.78	L1	FLO	20.1
8.230470	---	28.37	50.00	21.63	L1	FLO	20.3
8.230470	33.33	---	60.00	26.67	L1	FLO	20.3
11.565060	---	34.19	50.00	15.81	L1	FLO	20.5
11.565060	40.37	---	60.00	19.63	L1	FLO	20.5
12.403590	---	35.41	50.00	14.59	L1	FLO	20.5
12.403590	39.92	---	60.00	20.08	L1	FLO	20.5
13.247250	---	41.76	50.00	8.24	L1	FLO	20.5
13.247250	47.52	---	60.00	12.48	L1	FLO	20.5
14.646750	---	37.92	50.00	12.08	L1	FLO	20.6

14.646750	42.94	---	60.00	17.06	L1	FLO	20.6
16.228500	---	36.59	50.00	13.41	L1	FLO	20.6
16.228500	40.94	---	60.00	19.06	L1	FLO	20.6
18.244770	---	36.69	50.00	13.31	L1	FLO	20.7
18.244770	41.13	---	60.00	18.87	L1	FLO	20.7
20.806260	---	31.00	50.00	19.00	L1	FLO	20.8
20.806260	36.36	---	60.00	23.64	L1	FLO	20.8

EUT Information

Report NO :	522804
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.150000	---	25.96	56.00	30.04	N	FLO	20.0
0.150000	46.36	---	66.00	19.64	N	FLO	20.0
0.171510	---	27.10	54.89	27.79	N	FLO	20.0
0.171510	42.00	---	64.89	22.89	N	FLO	20.0
0.208500	---	26.25	53.27	27.02	N	FLO	20.0
0.208500	33.89	---	63.27	29.38	N	FLO	20.0
0.379500	---	32.89	48.29	15.40	N	FLO	20.0
0.379500	37.56	---	58.29	20.73	N	FLO	20.0
0.628800	---	22.94	46.00	23.06	N	FLO	20.0
0.628800	25.71	---	56.00	30.29	N	FLO	20.0
1.087530	---	21.20	46.00	24.80	N	FLO	20.0
1.087530	24.10	---	56.00	31.90	N	FLO	20.0
2.250960	---	16.23	46.00	29.77	N	FLO	20.1
2.250960	21.41	---	56.00	34.59	N	FLO	20.1
8.269710	---	28.90	50.00	21.10	N	FLO	20.3
8.269710	34.24	---	60.00	25.76	N	FLO	20.3
10.764870	---	31.62	50.00	18.38	N	FLO	20.4
10.764870	35.65	---	60.00	24.35	N	FLO	20.4
11.564340	---	36.29	50.00	13.71	N	FLO	20.5

11.564340	41.70	---	60.00	18.30	N	FLO	20.5
12.232230	---	31.23	50.00	18.77	N	FLO	20.5
12.232230	40.56	---	60.00	19.44	N	FLO	20.5
13.157250	---	42.76	50.00	7.24	N	FLO	20.5
13.157250	48.36	---	60.00	11.64	N	FLO	20.5
14.155260	---	34.53	50.00	15.47	N	FLO	20.6
14.155260	40.75	---	60.00	19.25	N	FLO	20.6
14.551800	---	37.66	50.00	12.34	N	FLO	20.6
14.551800	43.60	---	60.00	16.40	N	FLO	20.6
16.228050	---	37.17	50.00	12.83	N	FLO	20.7
16.228050	41.64	---	60.00	18.36	N	FLO	20.7
18.243600	---	37.23	50.00	12.77	N	FLO	20.8
18.243600	41.79	---	60.00	18.21	N	FLO	20.8
21.331500	---	30.78	50.00	19.22	N	FLO	20.9
21.331500	36.48	---	60.00	23.52	N	FLO	20.9

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Jacky Hung, Mancy Chou and Rain Lee	**Temperature :**	20~26°C
		Relative Humidity :	40~65%

Note symbol

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

C1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	U-NII-1	5.15-5.25	1+2	802.11a	36	5180	6Mbps	-	-
Mode 2	U-NII-1	5.15-5.25	1+2	802.11a	44	5220	6Mbps	-	-
Mode 3	U-NII-1	5.15-5.25	1+2	802.11a	48	5240	6Mbps	-	-
Mode 4	U-NII-1	5.15-5.25	1+2	802.11n HT20	36	5180	MCS0	-	-
Mode 5	U-NII-1	5.15-5.25	1+2	802.11n HT20	44	5220	MCS0	-	-
Mode 6	U-NII-1	5.15-5.25	1+2	802.11n HT20	48	5240	MCS0	-	-
Mode 7	U-NII-1	5.15-5.25	1+2	802.11ax HE20	36	5180	MCS0	Full RU	-
Mode 8	U-NII-1	5.15-5.25	1+2	802.11ax HE20	36	5180	MCS0	Partial_106/53RU	-
Mode 9	U-NII-1	5.15-5.25	1+2	802.11ax HE20	44	5220	MCS0	Full RU	-
Mode 10	U-NII-1	5.15-5.25	1+2	802.11ax HE20	48	5240	MCS0	Full RU	-
Mode 11	U-NII-1	5.15-5.25	1+2	802.11ax HE40	38	5190	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 12	U-NII-1	5.15-5.25	1+2	802.11ax HE40	38	5190	MCS0	Partial_242/61RU	-
Mode 13	U-NII-1	5.15-5.25	1+2	802.11ax HE40	46	5230	MCS0	Full RU	-
Mode 14	U-NII-1	5.15-5.25	1+2	802.11ax HE80	42	5210	MCS0	Full RU	-
Mode 15	U-NII-1	5.15-5.25	1+2	802.11ax HE80	42	5210	MCS0	Partial_484/65RU	-
Mode 16	U-NII-1	5.15-5.25	1+2	802.11ax HE160	50	5250	MCS0	Partial_996/67RU	-
Mode 17	U-NII-2A	5.25-5.35	1+2	802.11a	52	5260	6Mbps	-	-
Mode 18	U-NII-2A	5.25-5.35	1+2	802.11a	60	5300	6Mbps	-	-
Mode 19	U-NII-2A	5.25-5.35	1+2	802.11a	64	5320	6Mbps	-	-
Mode 20	U-NII-2A	5.25-5.35	1+2	802.11n HT20	52	5260	MCS0	-	-
Mode 21	U-NII-2A	5.25-5.35	1+2	802.11n HT20	60	5300	MCS0	-	-
Mode 22	U-NII-2A	5.25-5.35	1+2	802.11n HT20	64	5320	MCS0	-	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 23	U-NII-2A	5.25-5.35	1+2	802.11ax HE20	52	5260	MCS0	Full RU	-
Mode 24	U-NII-2A	5.25-5.35	1+2	802.11ax HE20	60	5300	MCS0	Full RU	-
Mode 25	U-NII-2A	5.25-5.35	1+2	802.11ax HE20	64	5320	MCS0	Full RU	-
Mode 26	U-NII-2A	5.25-5.35	1+2	802.11ax HE20	64	5320	MCS0	Partial_106/54RU	-
Mode 27	U-NII-2A	5.25-5.35	1+2	802.11ax HE40	54	5270	MCS0	Full RU	-
Mode 28	U-NII-2A	5.47-5.725	1+2	802.11ax HE40	62	5310	MCS0	Full RU	-
Mode 29	U-NII-2A	5.47-5.725	1+2	802.11ax HE40	62	5310	MCS0	Partial_242/62RU	-
Mode 30	U-NII-2A	5.47-5.725	1+2	802.11ax HE80	58	5290	MCS0	Full RU	-
Mode 31	U-NII-2A	5.47-5.725	1+2	802.11ax HE80	58	5290	MCS0	Partial_484/66RU	-
Mode 32	U-NII-2A	5.47-5.725	1+2	802.11ax HE160	50	5250	MCS0	Full RU	-
Mode 33	U-NII-2A	5.47-5.725	1+2	802.11ax HE160	50	5250	MCS0	Partial_996/68RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 34	U-NII-2C	5.47-5.725	1+2	802.11a	100	5500	6Mbps	-	-
Mode 35	U-NII-2C	5.47-5.725	1+2	802.11a	116	5580	6Mbps	-	-
Mode 36	U-NII-2C	5.47-5.725	1+2	802.11a	140	5700	6Mbps	-	-
Mode 37	U-NII-2C	5.47-5.725	1+2	802.11n HT20	100	5500	MCS0	-	-
Mode 38	U-NII-2C	5.47-5.725	1+2	802.11n HT20	116	5580	MCS0	-	-
Mode 39	U-NII-2C	5.47-5.725	1+2	802.11n HT20	140	5700	MCS0	-	-
Mode 40	U-NII-2C	5.47-5.725	1+2	802.11ax HE20	100	5500	MCS0	Full RU	-
Mode 41	U-NII-2C	5.47-5.725	1+2	802.11ax HE20	100	5500	MCS0	Partial_106/53RU	-
Mode 42	U-NII-2C	5.47-5.725	1+2	802.11ax HE20	116	5580	MCS0	Full RU	-
Mode 43	U-NII-2C	5.47-5.725	1+2	802.11ax HE20	140	5700	MCS0	Full RU	-
Mode 44	U-NII-2C	5.47-5.725	1+2	802.11ax HE20	140	5700	MCS0	Partial_106/54RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 45	U-NII-2C	5.47-5.725	1+2	802.11ax HE40	102	5510	MCS0	Full RU	-
Mode 46	U-NII-2C	5.47-5.725	1+2	802.11ax HE40	102	5510	MCS0	Partial_242/61RU	-
Mode 47	U-NII-2C	5.47-5.725	1+2	802.11ax HE40	110	5550	MCS0	Full RU	-
Mode 48	U-NII-2C	5.47-5.725	1+2	802.11ax HE40	134	5670	MCS0	Full RU	-
Mode 49	U-NII-2C	5.47-5.725	1+2	802.11ax HE40	134	5670	MCS0	Partial_242/62RU	-
Mode 50	U-NII-2C	5.47-5.725	1+2	802.11ax HE80	106	5530	MCS0	Full RU	-
Mode 51	U-NII-2C	5.47-5.725	1+2	802.11ax HE80	106	5530	MCS0	Partial_484/65RU	-
Mode 52	U-NII-2C	5.47-5.725	1+2	802.11ax HE80	122	5610	MCS0	Full RU	-
Mode 53	U-NII-2C	5.47-5.725	1+2	802.11ax HE80	122	5610	MCS0	Partial_484/66RU	-
Mode 54	U-NII-2C	5.47-5.725	1+2	802.11ax HE160	114	5570	MCS0	Full RU	-
Mode 55	U-NII-2C	5.47-5.725	1+2	802.11ax HE160	114	5570	MCS0	Partial_996/67RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 56	U-NII-2C	5.47-5.725	1+2	802.11a	144	5720	6Mbps	Full RU	-
Mode 57	U-NII-2C	5.47-5.725	1+2	802.11n HT20	144	5720	MCS0	Full RU	-
Mode 58	U-NII-2C	5.47-5.725	1+2	802.11ax HE20	144	5720	MCS0	Full RU	-
Mode 59	U-NII-2C	5.47-5.725	1+2	802.11ax HE40	142	5710	MCS0	Full RU	-
Mode 60	U-NII-2C	5.47-5.725	1+2	802.11ax HE80	138	5690	MCS0	Full RU	-
Mode 61	U-NII-2C	5.47-5.725	1+2	802.11ax HE20	140	5700	MCS0	Full RU	SHF
Mode 62	U-NII-2C	5.47-5.725	1+2	802.11ax HE20	140	5700	MCS0	Full RU	LF

C2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	802.11a	36	5149.15	49.97	54.00	-4.03	H	Avg.	Pass	-	Band Edge
	802.11a	36	5584.00	64.11	68.20	-4.09	H	Peak	Pass	-	Harmonic
2	802.11a	44	5148.81	44.45	54.00	-9.55	H	Avg.	Pass	-	Band Edge
	802.11a	44	5626.00	63.43	68.20	-4.77	H	Peak	Pass	-	Harmonic
3	802.11a	48	5149.00	44.14	54.00	-9.86	H	Avg.	Pass	-	Band Edge
	802.11a	48	5650.00	62.89	68.20	-5.31	H	Peak	Pass	-	Harmonic
4	802.11n HT20	36	5147.44	48.05	54.00	-5.95	H	Avg.	Pass	-	Band Edge
	802.11n HT20	36	4798.00	50.35	54.00	-3.65	H	Avg.	Pass	-	Harmonic
5	802.11n HT20	44	5131.10	41.34	54.00	-12.66	H	Avg.	Pass	-	Band Edge
	802.11n HT20	44	4828.00	49.54	54.00	-4.46	H	Avg.	Pass	-	Harmonic
6	802.11n HT20	48	5148.00	42.17	54.00	-11.83	H	Avg.	Pass	-	Band Edge

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
6	802.11n HT20	48	4822.00	50.40	54.00	-3.60	H	Avg.	Pass	-	Harmonic
7	802.11ax HE20	36	5146.49	51.80	54.00	-2.20	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	36	5602.00	63.52	68.20	-4.68	H	Peak	Pass	Full RU	Harmonic
8	802.11ax HE20	36	5149.53	51.50	54.00	-2.50	H	Avg.	Pass	Partial_106/53RU	Band Edge
9	802.11ax HE20	44	5149.27	45.79	54.00	-8.21	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	44	6963.75	61.65	68.20	-6.55	H	Peak	Pass	Full RU	Harmonic
10	802.11ax HE20	48	5148.00	45.69	54.00	-8.31	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	48	6986.25	61.05	68.20	-7.15	H	Peak	Pass	Full RU	Harmonic
11	802.11ax HE40	38	5145.74	51.38	54.00	-2.62	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	38	6918.75	61.97	68.20	-6.23	H	Peak	Pass	Full RU	Harmonic
12	802.11ax HE40	38	5147.63	51.96	54.00	-2.04	H	Avg.	Pass	Partial_242/61RU	Band Edge

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
13	802.11ax HE40	46	5145.50	50.84	54.00	-3.16	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	46	5638.00	62.03	68.20	-6.17	H	Peak	Pass	Full RU	Harmonic
14	802.11ax HE80	42	5145.50	51.79	54.00	-2.21	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE80	42	6941.25	61.24	68.20	-6.96	H	Peak	Pass	Full RU	Harmonic
15	802.11ax HE80	42	5147.75	51.02	54.00	-2.98	H	Avg.	Pass	Partial_484/65RU	Band Edge
16	802.11ax HE160	50	5396.20	51.00	54.00	-3.00	H	Avg.	Pass	Partial_996/67RU	Band Edge
17	802.11a	52	5668.00	62.36	68.20	-5.84	H	Peak	Pass	-	Band Edge
	802.11a	52	5668.00	62.36	68.20	-5.84	H	Peak	Pass	-	Harmonic
18	802.11a	60	5350.69	44.89	54.00	-9.11	H	Avg.	Pass	-	Band Edge
	802.11a	60	5716.00	60.68	68.20	-7.52	H	Peak	Pass	-	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
19	802.11a	64	5350.05	47.66	54.00	-6.34	H	Avg.	Pass	-	Band Edge
	802.11a	64	7098.75	58.23	68.20	-9.97	H	Peak	Pass	-	Harmonic
20	802.11n HT20	52	5650.00	61.88	68.20	-6.32	H	Peak	Pass	-	Band Edge
	802.11n HT20	52	7013.33	62.10	68.20	-6.10	H	Peak	Pass	-	Harmonic
21	802.11n HT20	60	4912.00	45.24	54.00	-8.76	H	Avg.	Pass	-	Band Edge
	802.11n HT20	60	7066.67	61.78	68.20	-6.42	H	Peak	Pass	-	Harmonic
22	802.11n HT20	64	5351.10	45.94	54.00	-8.06	H	Avg.	Pass	-	Band Edge
	802.11n HT20	64	5746.00	62.12	68.20	-6.08	H	Peak	Pass	-	Harmonic
23	802.11ax HE20	52	5354.37	44.90	54.00	-9.10	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	52	5668.00	60.86	68.20	-7.34	H	Peak	Pass	Full RU	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
24	802.11ax HE20	60	5371.09	44.76	54.00	-9.24	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	60	7065.00	60.83	68.20	-7.37	H	Peak	Pass	Full RU	Harmonic
25	802.11ax HE20	64	5350.50	48.28	54.00	-5.72	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	64	7098.75	59.84	68.20	-8.36	H	Peak	Pass	Full RU	Harmonic
26	802.11ax HE20	64	5354.40	48.61	54.00	-5.39	H	Avg.	Pass	Partial_106/54RU	Band Edge
27	802.11ax HE40	54	5350.80	47.47	54.00	-6.53	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	54	5662.00	60.76	68.20	-7.44	H	Peak	Pass	Full RU	Harmonic
28	802.11ax HE40	62	5351.54	52.06	54.00	-1.94	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	62	7076.25	59.75	68.20	-8.45	H	Peak	Pass	Full RU	Harmonic
29	802.11ax HE40	62	5351.88	51.80	54.00	-2.20	H	Avg.	Pass	Partial_242/62RU	Band Edge

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
30	802.11ax HE80	58	5352.90	50.65	54.00	-3.35	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE80	58	7053.75	60.24	68.20	-7.96	H	Peak	Pass	Full RU	Harmonic
31	802.11ax HE80	58	5376.00	51.58	54.00	-2.42	H	Avg.	Pass	Partial_484/66RU	Band Edge
32	802.11ax HE160	50	5353.28	51.89	54.00	-2.11	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE160	50	6997.50	60.80	68.20	-7.40	H	Peak	Pass	Full RU	Harmonic
33	802.11ax HE160	50	5121.44	52.34	54.00	-1.66	H	Avg.	Pass	Partial_996/68RU	Band Edge
34	802.11a	100	5469.04	59.78	68.20	-8.42	H	Peak	Pass	-	Band Edge
	802.11a	100	5100.00	48.70	54.00	-5.30	H	Avg.	Pass	-	Harmonic
35	802.11a	116	5456.32	40.99	54.00	-13.01	H	Avg.	Pass	-	Band Edge
	802.11a	116	5140.00	47.24	54.00	-6.76	H	Avg.	Pass	-	Harmonic

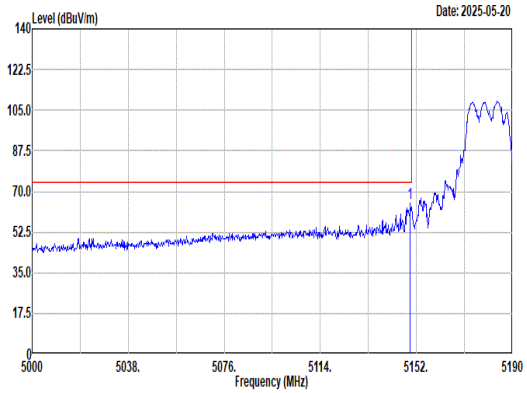
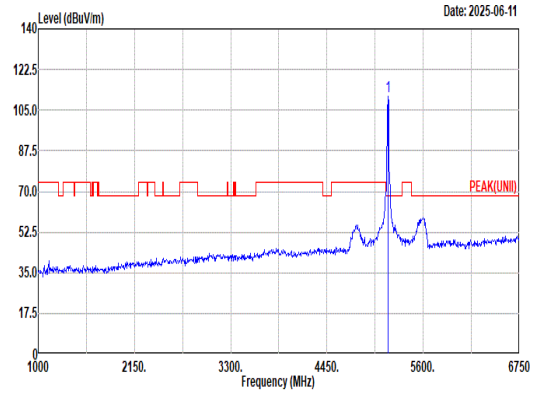
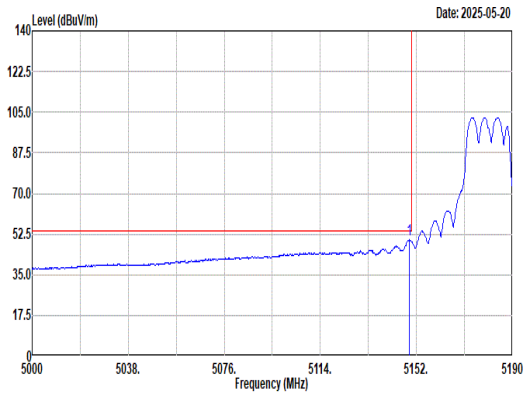
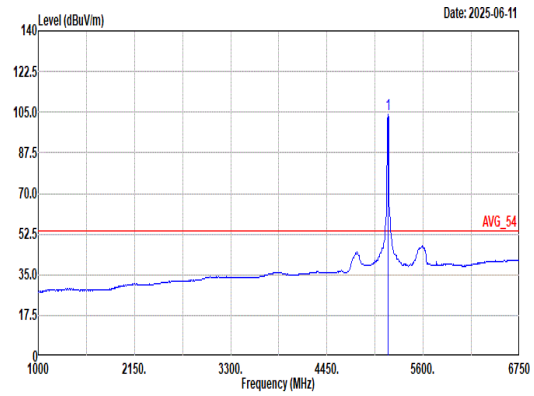
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
36	802.11a	140	5726.15	65.78	68.20	-2.42	H	Peak	Pass	-	Band Edge
	802.11a	140	17100.00	48.73	54.00	-5.27	V	Avg.	Pass	-	Harmonic
37	802.11n HT20	100	5440.24	44.88	54.00	-9.12	H	Avg.	Pass	-	Band Edge
	802.11n HT20	100	5086.00	48.57	54.00	-5.43	H	Avg.	Pass	-	Harmonic
38	802.11n HT20	116	5454.88	40.73	54.00	-13.27	H	Avg.	Pass	-	Band Edge
	802.11n HT20	116	5182.00	61.22	68.20	-6.98	H	Peak	Pass	-	Harmonic
39	802.11n HT20	140	5725.10	65.24	68.20	-2.96	H	Peak	Pass	-	Band Edge
	802.11n HT20	140	17100.00	61.84	68.20	-6.36	V	Peak	Pass	-	Harmonic
40	802.11ax HE20	100	5464.88	64.66	68.20	-3.54	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	100	5110.00	48.11	54.00	-5.89	H	Avg.	Pass	Full RU	Harmonic
41	802.11ax HE20	100	5463.60	66.35	68.20	-1.85	H	Peak	Pass	Partial_106/53RU	Band Edge

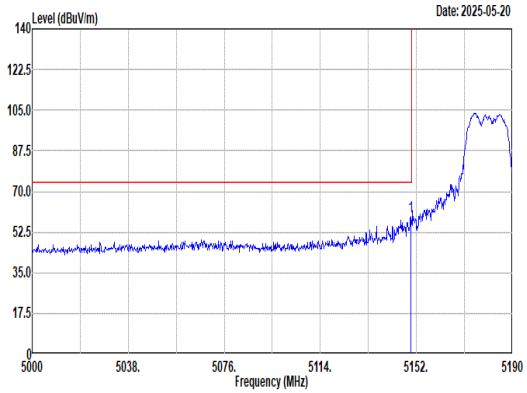
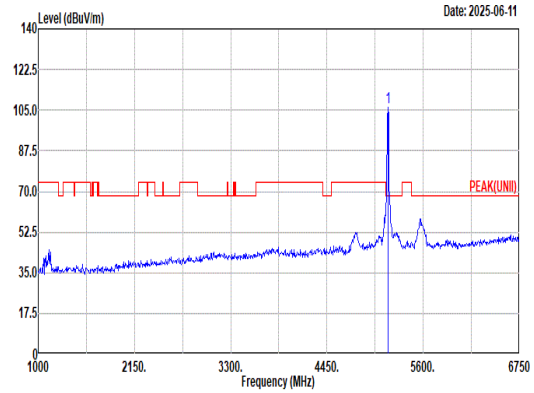
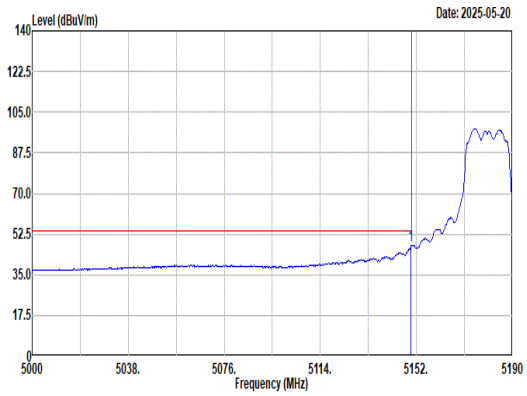
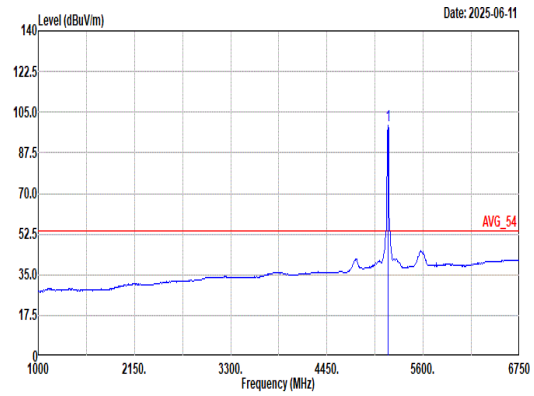
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
42	802.11ax HE20	116	5456.32	42.12	54.00	-11.88	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	116	16740.00	59.78	68.20	-8.42	V	Peak	Pass	Full RU	Harmonic
43	802.11ax HE20	140	5725.40	66.69	68.20	-1.51	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	140	6118.00	60.78	68.20	-7.42	H	Peak	Pass	Full RU	Harmonic
44	802.11ax HE20	140	5725.10	64.91	68.20	-3.29	H	Peak	Pass	Partial_106/54RU	Band Edge
45	802.11ax HE40	102	5469.88	64.88	68.20	-3.32	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	102	5134.00	48.44	54.00	-5.56	H	Avg.	Pass	Full RU	Harmonic
46	802.11ax HE40	102	5468.26	66.49	68.20	-1.71	H	Peak	Pass	Partial_242/61RU	Band Edge
47	802.11ax HE40	110	5451.86	47.00	54.00	-7.00	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	110	5148.00	48.80	54.00	-5.20	H	Avg.	Pass	Full RU	Harmonic

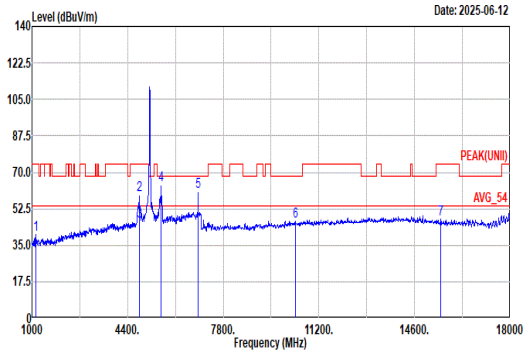
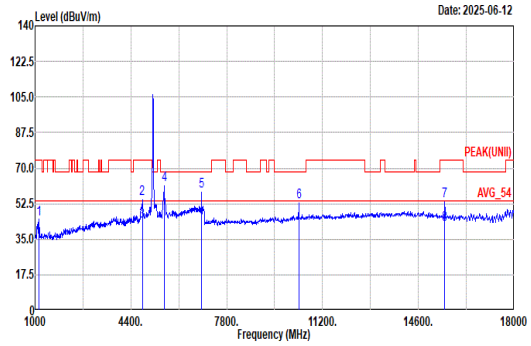
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
48	802.11ax HE40	134	5726.25	58.82	68.20	-9.38	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	134	5278.00	60.19	68.20	-8.01	H	Peak	Pass	Full RU	Harmonic
49	802.11ax HE40	134	5729.01	65.72	68.20	-2.48	V	Peak	Pass	Partial_242/62RU	Band Edge
50	802.11ax HE80	106	5453.84	51.34	54.00	-2.66	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE80	106	5120.00	47.26	54.00	-6.74	H	Avg.	Pass	Full RU	Harmonic
51	802.11ax HE80	106	5466.82	65.57	68.20	-2.63	H	Peak	Pass	Partial_484/65RU	Band Edge
52	802.11ax HE80	122	5728.10	59.27	68.20	-8.93	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE80	122	6040.00	59.32	68.20	-8.88	V	Peak	Pass	Full RU	Harmonic
53	802.11ax HE80	122	5731.79	65.50	68.20	-2.70	H	Peak	Pass	Partial_484/66RU	Band Edge
54	802.11ax HE160	114	5447.46	51.11	54.00	-2.89	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE160	114	5968.00	56.06	68.20	-12.14	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
55	802.11ax HE160	114	5726.78	64.20	68.20	-4.00	H	Peak	Pass	Partial_996/67RU	Band Edge
56	802.11a	144	5350.00	46.60	54.00	-7.40	H	Avg.	Pass	Full RU	Band Edge
	802.11a	144	6112.00	61.21	68.20	-6.99	H	Peak	Pass	Full RU	Harmonic
57	802.11n HT20	144	5350.00	48.38	54.00	-5.62	H	Avg.	Pass	Full RU	Band Edge
	802.11n HT20	144	17160.00	65.02	68.20	-3.18	V	Peak	Pass	Full RU	Harmonic
58	802.11ax HE20	144	5351.14	45.68	54.00	-8.32	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	144	17160.00	63.74	68.20	-4.46	V	Peak	Pass	Full RU	Harmonic
59	802.11ax HE40	142	5350.76	44.87	54.00	-9.13	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	142	6100.00	59.65	68.20	-8.55	H	Peak	Pass	Full RU	Harmonic
60	802.11ax HE80	138	5351.14	43.74	54.00	-10.26	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE80	138	5302.00	58.40	68.20	-9.80	H	Peak	Pass	Full RU	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
61	802.11ax HE20	140	38552.06	44.78	68.20	-23.42	V	Peak	Pass	Full RU	SHF
62	802.11ax HE20	140	30.97	34.84	40.00	-5.16	V	QP	Pass	Full RU	LF

Mode	1	
	Band Edge	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	1+2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 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 5149.53 65.04 74.00 -8.96 60.28 33.20 8.41 36.85 0.00 100 108 PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 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 5180.00 111.13 ------ ------ 106.46 33.08 8.44 36.85 0.00 100 108 PEAK
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 HORIZONTAL : RBW:1000.000kHz VBW:0.620kHz 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 5149.15 49.97 54.00 -4.03 45.21 33.20 8.41 36.85 0.00 100 108 AVERAGE	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL : RBW:1000.000kHz VBW:0.620kHz 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 5180.00 104.06 ------ ------ 99.39 33.08 8.44 36.85 0.00 100 108 AVERAGE

Mode	1	
	Band Edge	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	1+2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 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 5149.91 59.15 74.00 -14.85 54.39 33.20 8.41 36.85 0.00 361 184 PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 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 5180.00 106.38 ------ ------ 101.71 33.08 8.44 36.85 0.00 361 184 PEAK
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:8.620kHz 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 5149.91 47.37 54.00 -6.63 42.61 33.20 8.41 36.85 0.00 361 184 AVERAGE	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:8.620kHz 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 5180.00 99.09 ------ ------ 94.42 33.08 8.44 36.85 0.00 361 184 AVERAGE

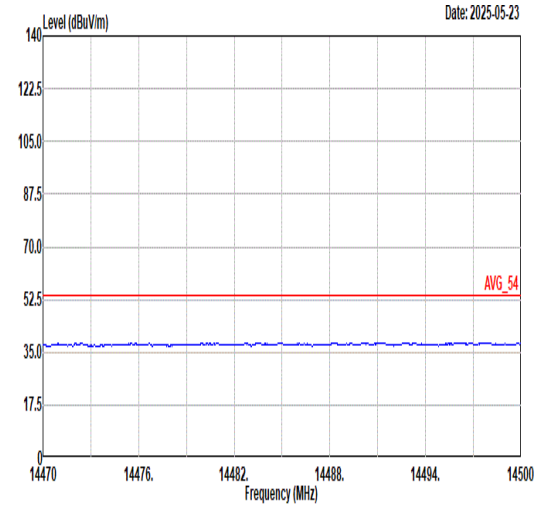
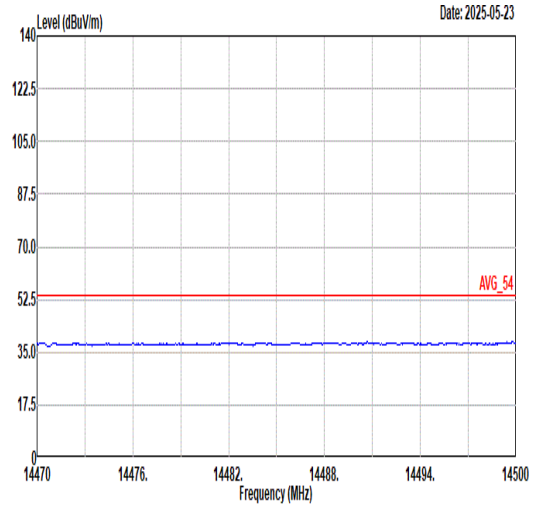
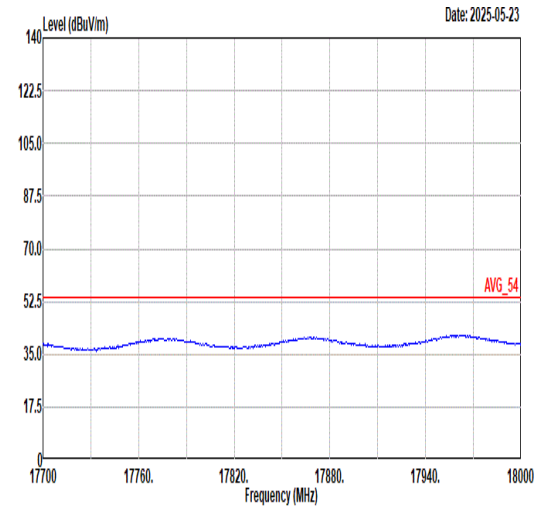
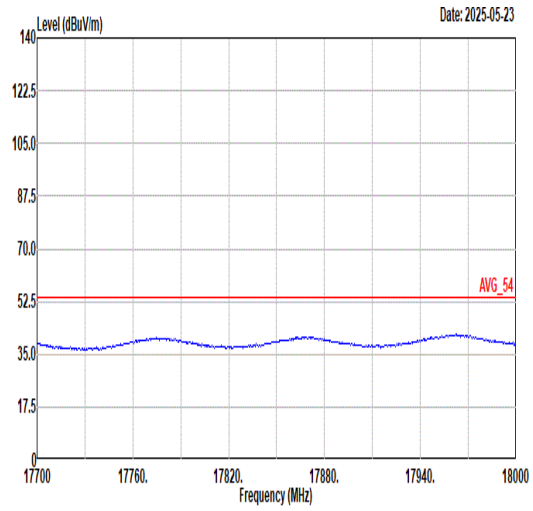
Mode	1	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	1+2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 VERTICAL

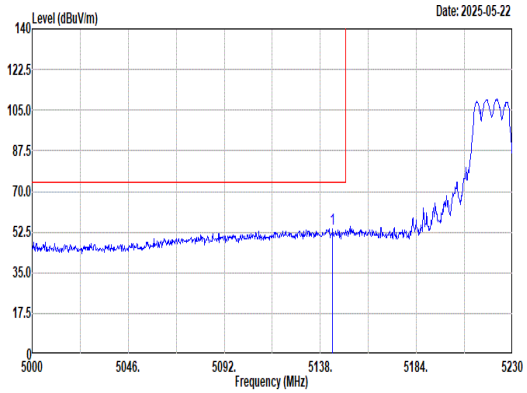
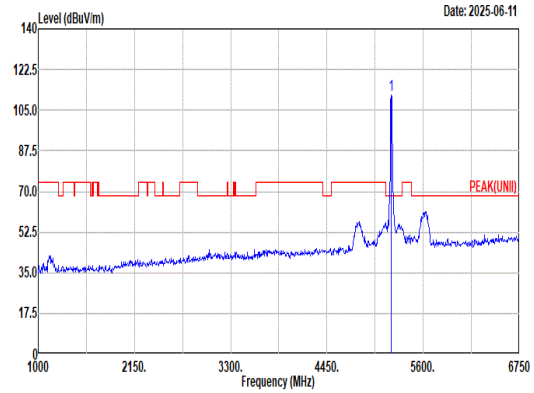
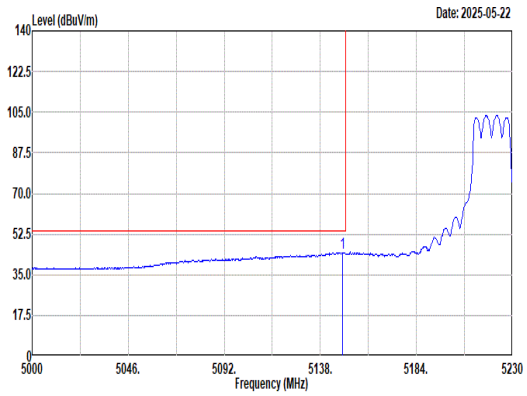
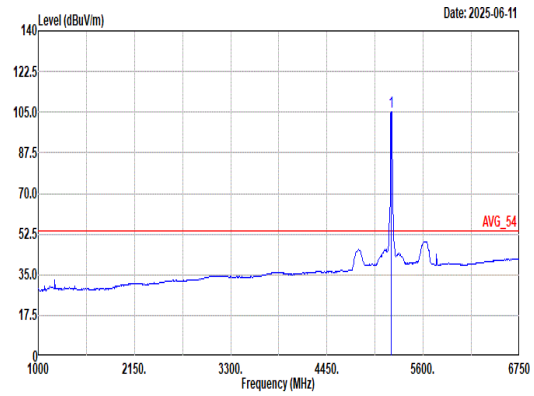
Horizontal:

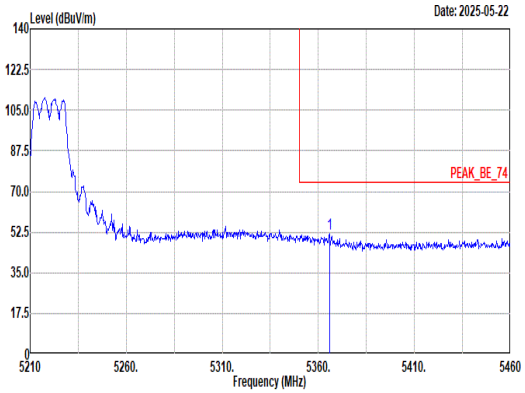
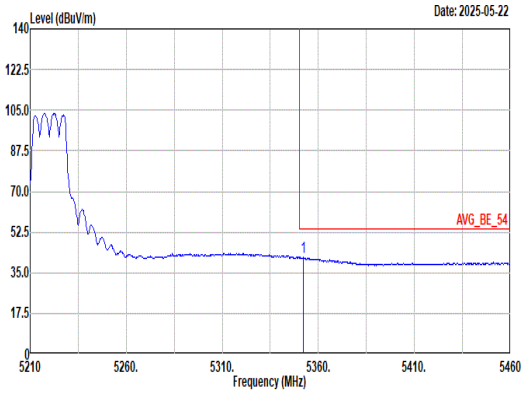
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	1126.00	40.24	74.00	-33.76	48.02	25.51	3.89	37.18	0.00	100	108	Peak
2	4816.00	58.96	74.00	-15.04	55.25	32.43	8.16	36.88	0.00	100	94	PEAK
3	4816.00	46.68	54.00	-7.32	42.97	32.43	8.16	36.88	0.00	100	94	Average
4	5584.00	64.11	68.20	-4.09	59.29	33.00	8.63	36.81	0.00	100	90	PEAK
5	6906.67	60.54	68.20	-7.66	72.70	35.80	9.64	58.68	1.08	100	51	PEAK
6	10360.00	46.40	68.20	-21.80	53.11	38.60	11.94	58.13	0.88	--	--	PEAK
7	15540.00	47.50	74.00	-26.50	51.31	38.06	15.02	57.78	0.89	--	--	PEAK

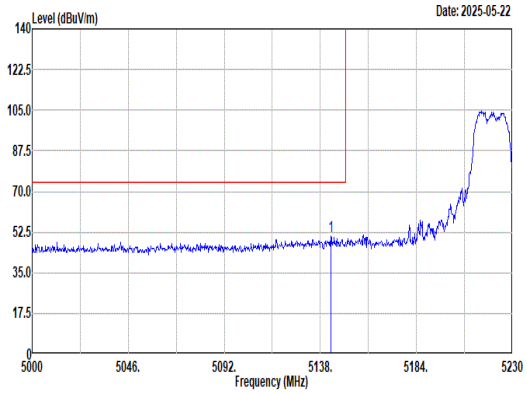
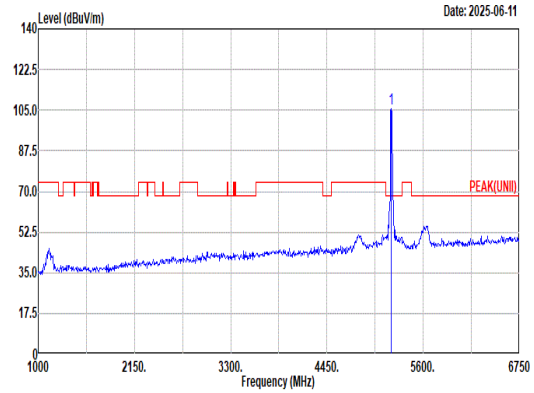
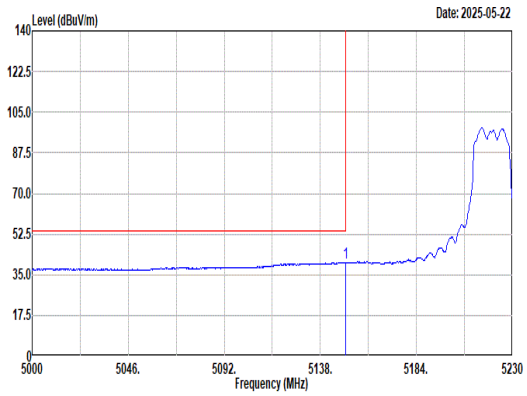
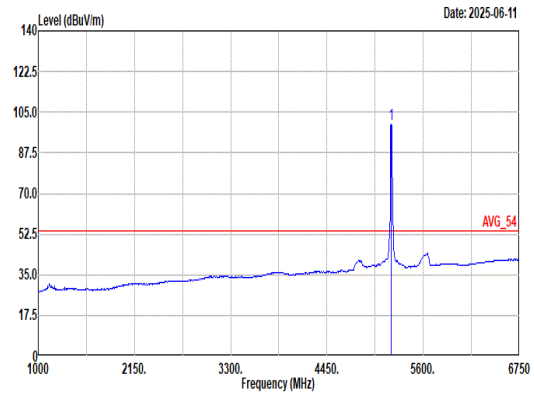
Vertical:

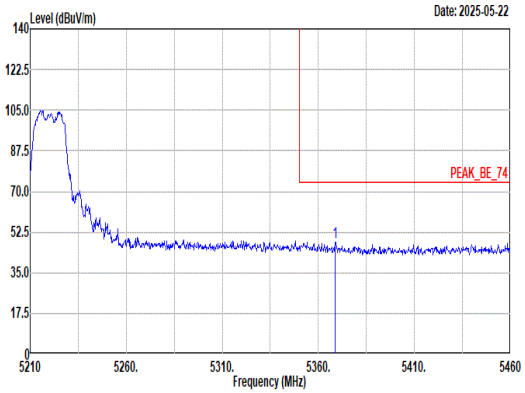
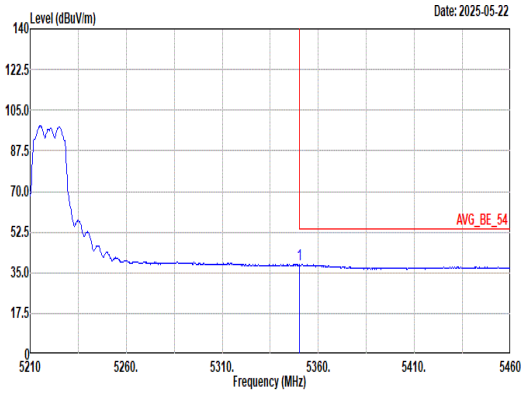
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	1126.00	44.96	74.00	-29.04	52.74	25.51	3.89	37.18	0.00	361	184	Peak
2	4804.00	55.05	74.00	-18.95	51.37	32.41	8.15	36.88	0.00	100	82	PEAK
3	4804.00	43.69	54.00	-10.31	40.01	32.41	8.15	36.88	0.00	100	82	Average
4	5584.00	62.03	68.20	-6.17	57.21	33.00	8.63	36.81	0.00	305	90	PEAK
5	6906.67	58.45	68.20	-9.75	70.61	35.80	9.64	58.68	1.08	100	27	Peak
6	10360.00	53.17	68.20	-15.03	59.88	38.60	11.94	58.13	0.88	222	237	PEAK
7	15540.00	53.98	74.00	-20.02	57.79	38.06	15.02	57.78	0.89	195	349	PEAK
8	15540.00	42.12	54.00	-11.88	45.93	38.06	15.02	57.78	0.89	195	349	AVERAGE

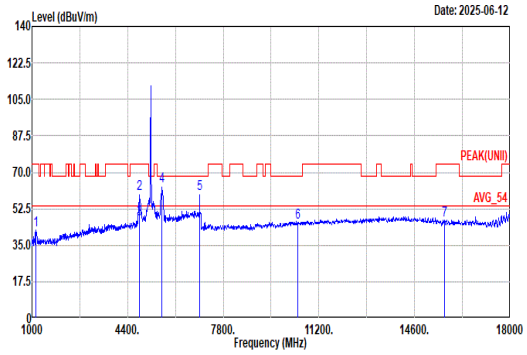
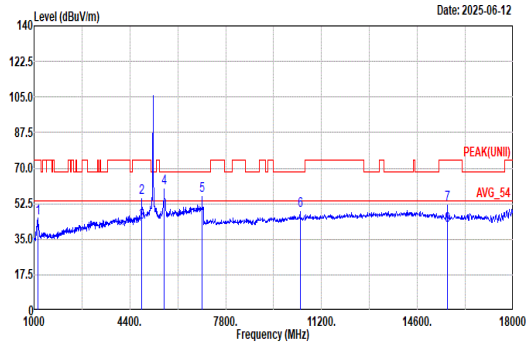
Mode	1	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	1+2	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL
17.7G ~18G Avg	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL

Mode	2	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1+2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 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 5143.98 54.15 74.00 -19.85 49.41 33.18 8.41 36.85 0.00 400 93 PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 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 5220.00 111.65 ------ ------ 107.02 33.00 8.47 36.84 0.00 400 93 PEAK
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 HORIZONTAL : RBW:1000.000kHz VBW:0.620kHz 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 5148.81 44.45 54.00 -9.55 39.69 33.20 8.41 36.85 0.00 400 93 AVERAGE	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL : RBW:1000.000kHz VBW:0.620kHz 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 5220.00 105.00 ------ ------ 100.37 33.00 8.47 36.84 0.00 400 93 AVERAGE

Mode	2	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1+2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 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 5365.75 51.60 74.00 -22.40 46.98 32.87 8.58 36.83 0.00 400 93 PEAK	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 HORIZONTAL : RBW:1000.000kHz VBW:8.620kHz 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 5352.25 41.52 54.00 -12.48 36.88 32.90 8.57 36.83 0.00 400 93 AVERAGE	Blank

Mode	2	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1+2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 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 5143.06 50.62 74.00 -23.38 45.89 33.17 8.41 36.85 0.00 100 192 PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 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 5220.00 105.49 ------ ------ 100.86 33.00 8.47 36.84 0.00 100 192 PEAK
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:8.620kHz 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 5149.96 40.23 54.00 -13.77 35.47 33.20 8.41 36.85 0.00 100 192 AVERAGE	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:8.620kHz 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 5220.00 99.72 ------ ------ 95.09 33.00 8.47 36.84 0.00 100 192 AVERAGE

Mode	2	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1+2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Level Read 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 5368.75 48.26 74.00 -25.74 43.64 32.86 8.59 36.83 0.00 100 192 PEAK	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:0.620kHz SWT:Auto Freq Level Limit Line Margin Level Read 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 5350.25 38.43 54.00 -15.57 33.79 32.90 8.57 36.83 0.00 100 192 AVERAGE	Blank

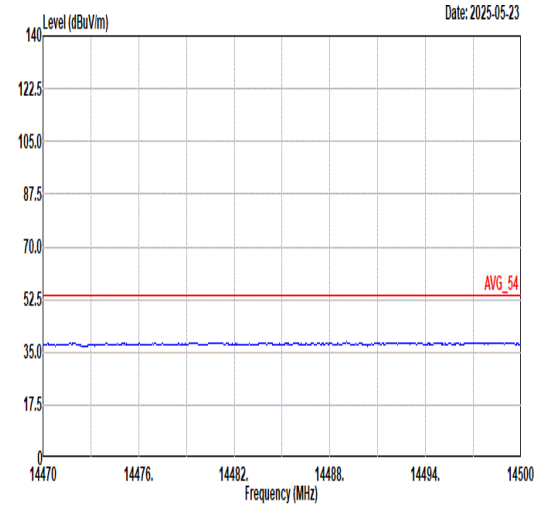
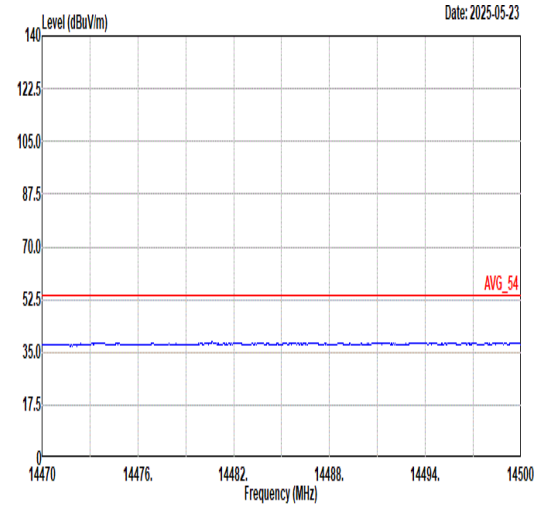
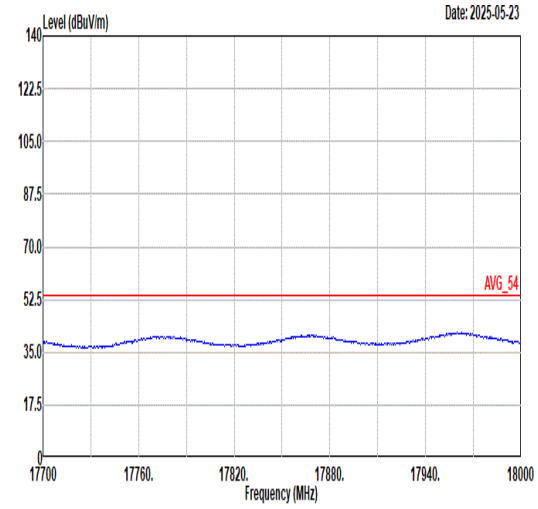
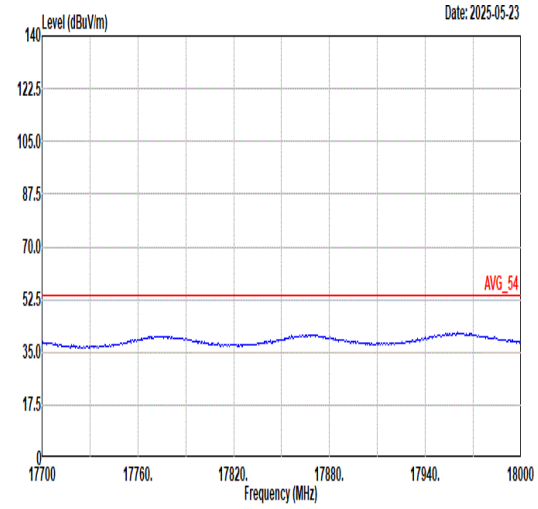
Mode	2	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1+2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 VERTICAL

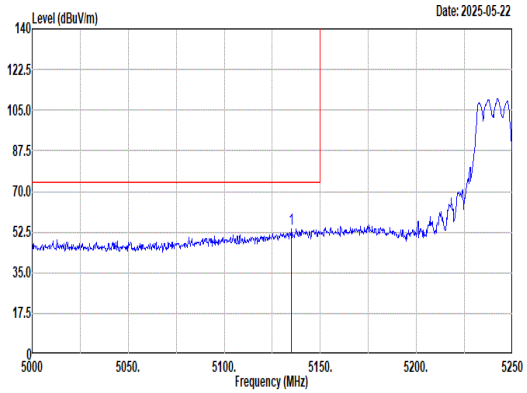
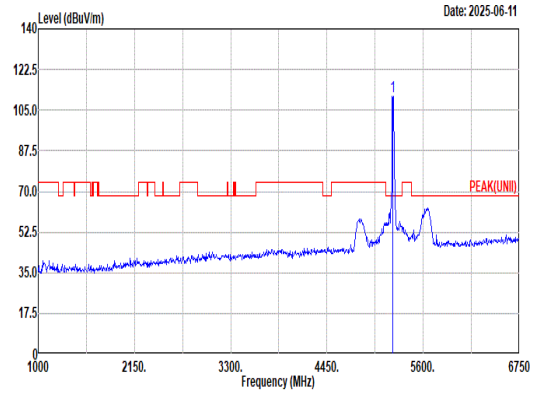
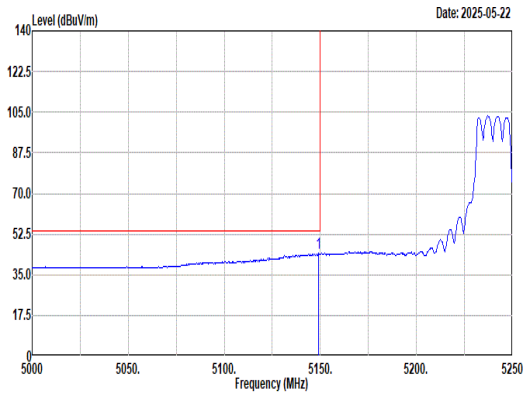
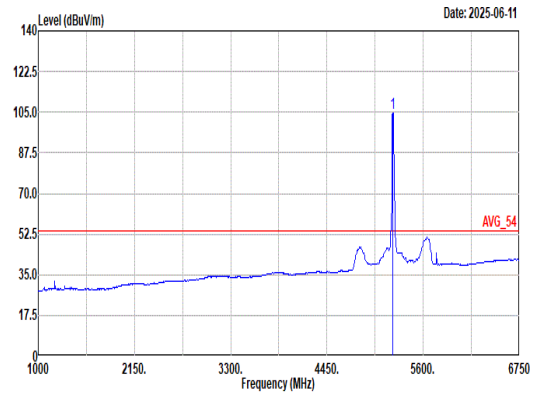
Horizontal:

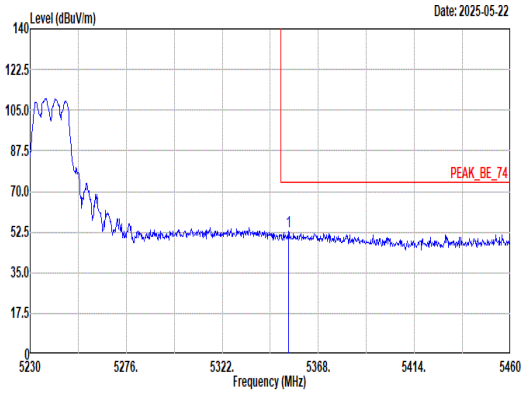
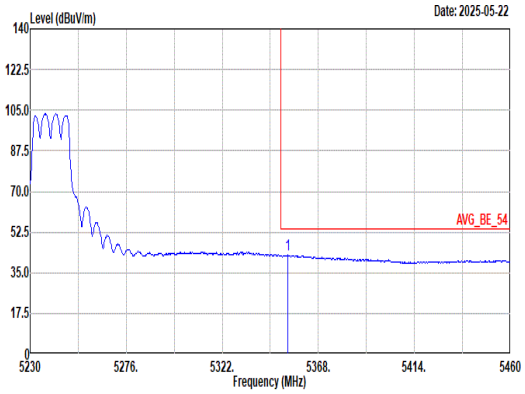
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	1126.00	42.04	74.00	-31.96	71.33	25.51	3.89	58.69	0.00	100	84	PEAK
2	4828.00	59.82	74.00	-14.18	56.07	32.46	8.17	36.88	0.00	100	87	PEAK
3	4828.00	47.34	54.00	-6.66	43.59	32.46	8.17	36.88	0.00	100	87	Average
4	5626.00	63.43	68.20	-4.77	58.41	33.16	8.66	36.80	0.00	100	91	PEAK
5	6960.00	59.56	68.20	-8.64	71.72	35.82	9.68	58.70	1.04	100	50	PEAK
6	10440.00	45.75	68.20	-22.45	52.33	38.60	11.98	58.05	0.89	--	--	PEAK
7	15660.00	46.99	74.00	-27.01	50.75	38.12	15.09	57.89	0.92	--	--	PEAK

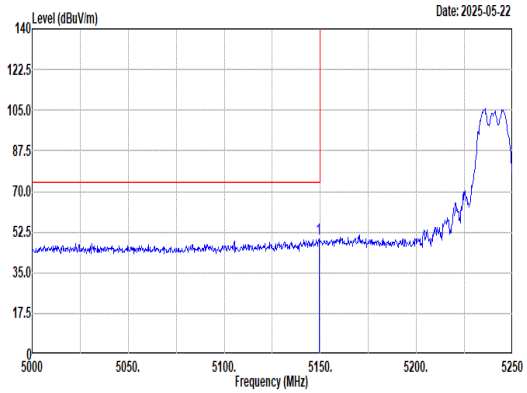
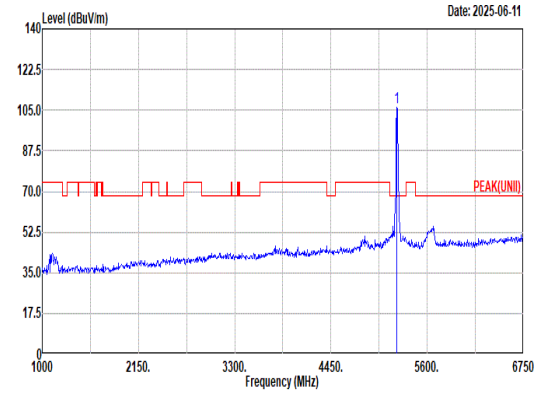
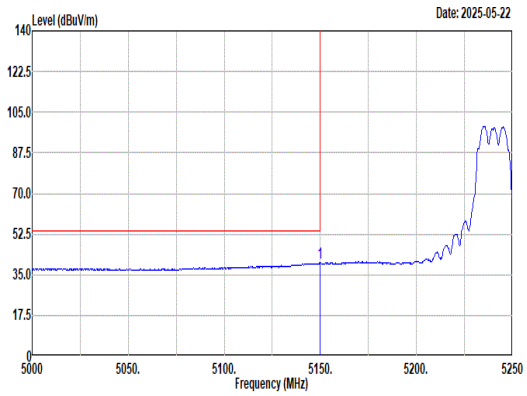
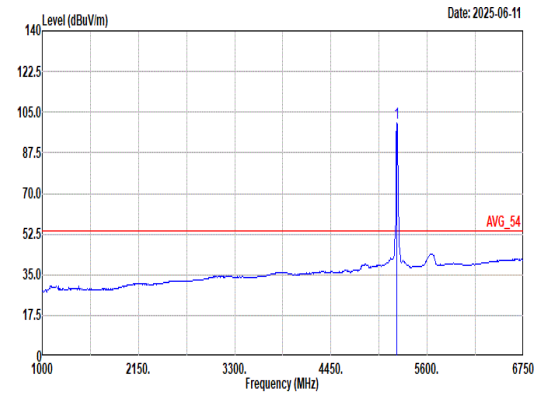
Vertical:

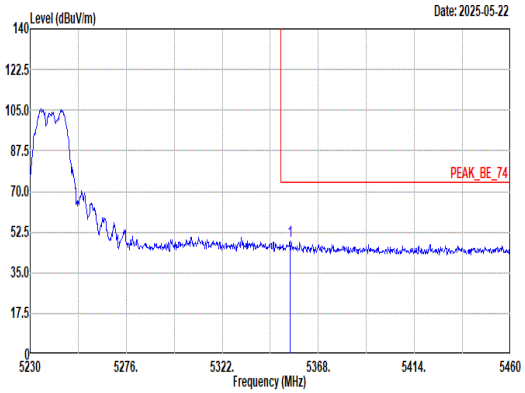
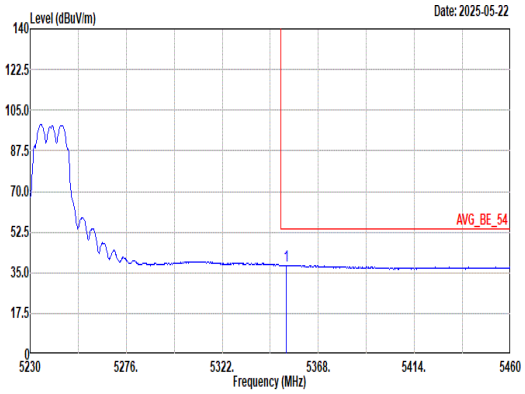
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	1126.00	45.59	74.00	-28.41	74.88	25.51	3.89	58.69	0.00	100	79	PEAK
2	4828.00	55.64	74.00	-18.36	51.89	32.46	8.17	36.88	0.00	100	82	PEAK
3	4828.00	43.57	54.00	-10.43	39.82	32.46	8.17	36.88	0.00	100	82	Average
4	5626.00	60.44	68.20	-7.76	55.42	33.16	8.66	36.80	0.00	298	123	PEAK
5	6960.00	56.28	68.20	-11.92	68.44	35.82	9.68	58.70	1.04	100	30	PEAK
6	10440.00	49.14	68.20	-19.06	55.72	38.60	11.98	58.05	0.89	202	235	PEAK
7	15660.00	52.37	74.00	-21.63	56.13	38.12	15.09	57.89	0.92	198	343	PEAK
8	15660.00	41.50	54.00	-12.50	45.26	38.12	15.09	57.89	0.92	198	343	AVERAGE

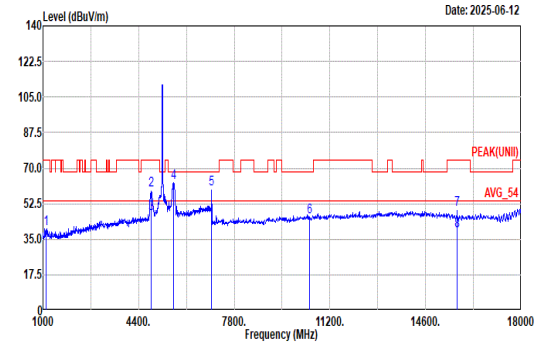
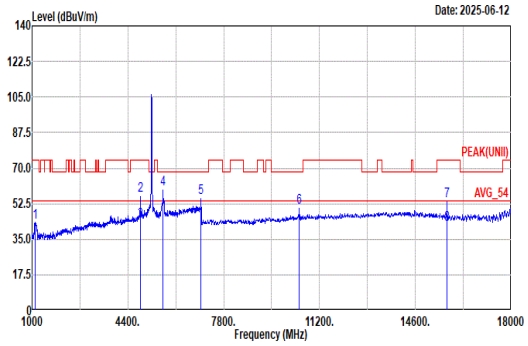
Mode	2	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	1+2	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL
17.7G ~18G Avg	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL

Mode	3	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1+2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 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 5135.00 53.82 74.00 -20.18 49.13 33.14 8.40 36.85 0.00 119 92 PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 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 5240.00 110.88 ------ ------ 106.24 33.00 8.48 36.84 0.00 119 92 PEAK
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 HORIZONTAL : RBW:1000.000kHz VBW:0.620kHz 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 5149.00 44.14 54.00 -9.86 39.38 33.20 8.41 36.85 0.00 119 92 AVERAGE	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL : RBW:1000.000kHz VBW:0.620kHz 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 5240.00 104.63 ------ ------ 99.99 33.00 8.48 36.84 0.00 119 92 AVERAGE

Mode	3	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1+2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 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 5353.74 52.94 74.00 -21.06 48.31 32.89 8.57 36.83 0.00 119 92 PEAK	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 HORIZONTAL : RBW:1000.000kHz VBW:8.620kHz 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 5353.28 42.54 54.00 -11.46 37.91 32.89 8.57 36.83 0.00 119 92 AVERAGE	Blank

Mode	3	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1+2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 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 5149.25 49.80 74.00 -24.20 45.04 33.20 8.41 36.85 0.00 101 178 PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 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 5240.00 106.21 ------ ------ 101.57 33.00 8.48 36.84 0.00 101 178 PEAK
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:0.620kHz 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 5149.75 39.95 54.00 -14.05 35.19 33.20 8.41 36.85 0.00 101 178 AVERAGE	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:0.620kHz 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 5240.00 100.41 ------ ------ 95.77 33.00 8.48 36.84 0.00 101 178 AVERAGE

Mode	3	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1+2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Level Read 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 5354.43 48.87 74.00 -25.13 44.24 32.89 8.57 36.83 0.00 101 178 PEAK	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:8.620kHz SWT:Auto Freq Level Limit Line Margin Level Read 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 5352.59 38.25 54.00 -15.75 33.62 32.89 8.57 36.83 0.00 101 178 AVERAGE	Blank

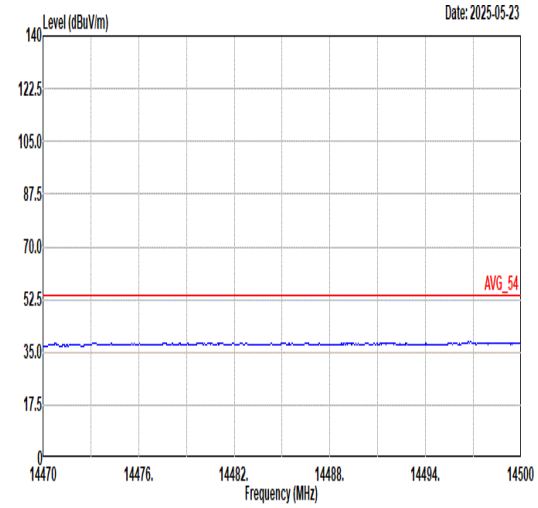
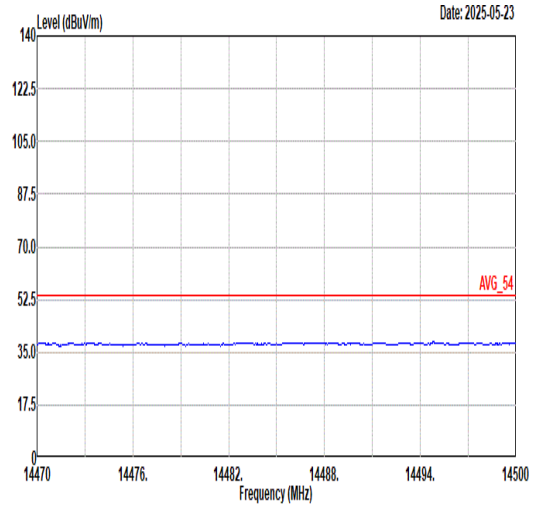
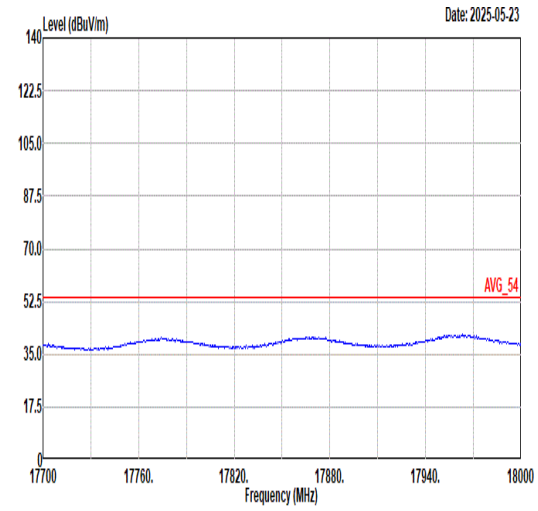
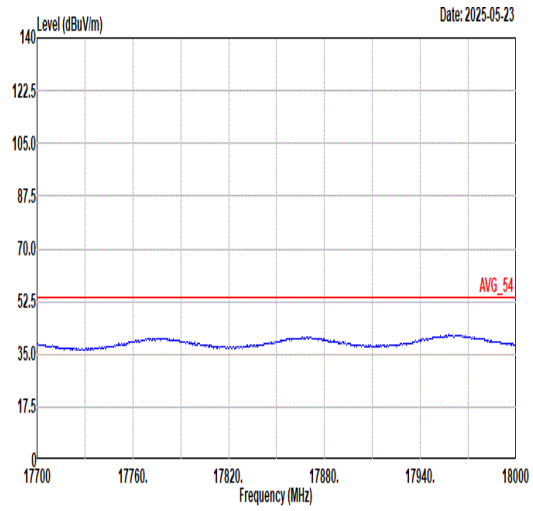
Mode	3	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1+2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 VERTICAL

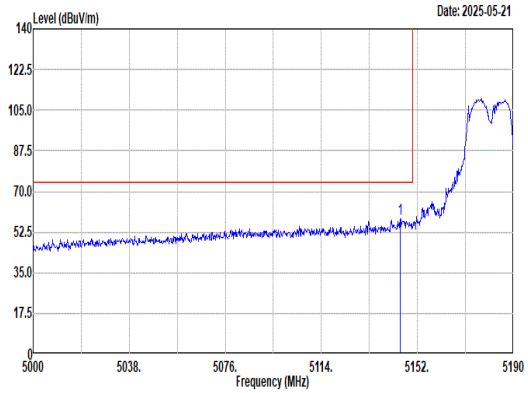
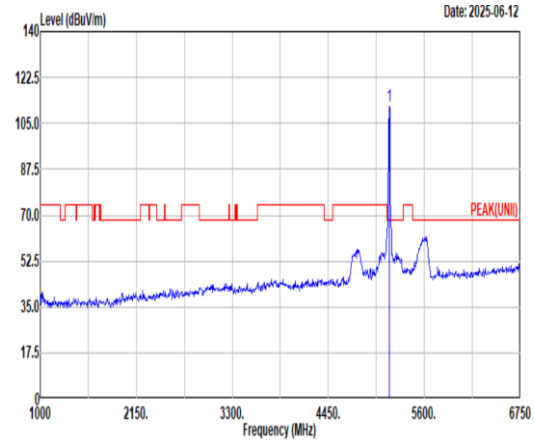
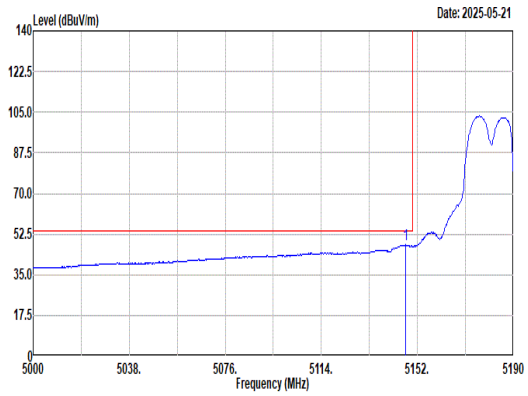
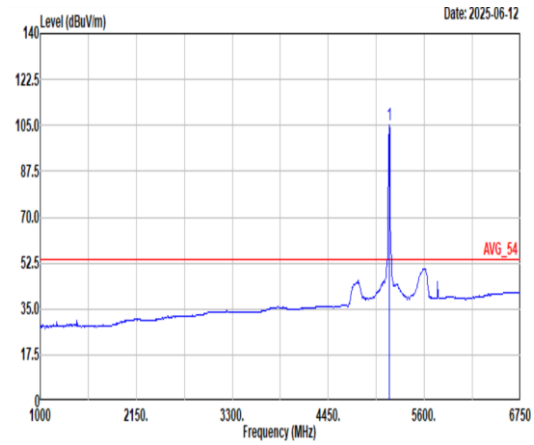
Horizontal:

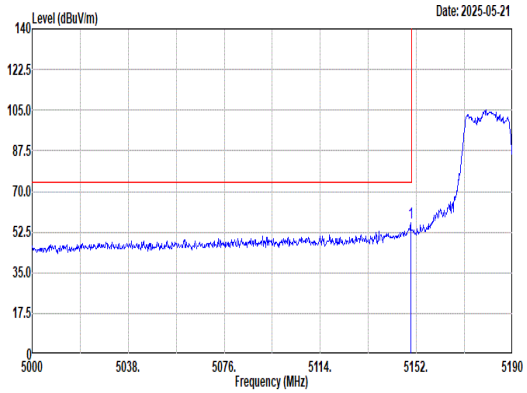
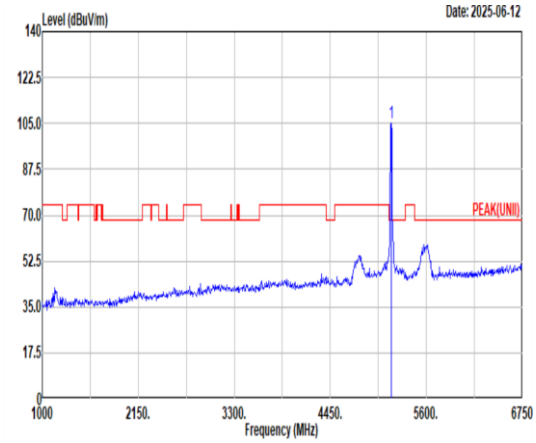
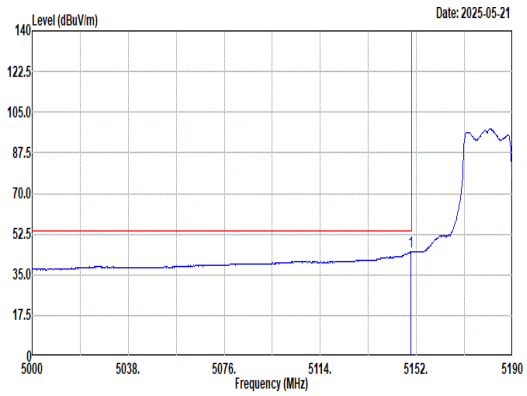
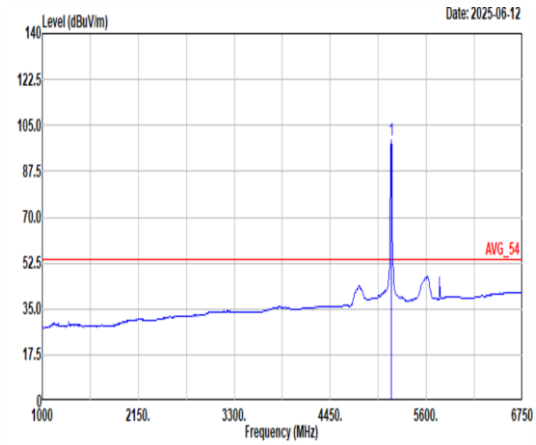
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	1120.00	40.10	74.00	-33.90	69.47	25.44	3.88	58.69	0.00	100	86	Peak
2	4858.00	59.39	74.00	-14.61	55.53	32.53	8.20	36.87	0.00	100	88	PEAK
3	4858.00	47.38	54.00	-6.62	43.52	32.53	8.20	36.87	0.00	100	88	Average
4	5650.00	62.89	68.20	-5.31	57.70	33.30	8.69	36.80	0.00	100	93	PEAK
5	6986.67	59.75	68.20	-8.45	71.87	35.87	9.69	58.71	1.03	100	50	PEAK
6	10480.00	46.09	68.20	-22.11	52.61	38.60	12.00	58.01	0.89	--	--	PEAK
7	15720.00	49.47	74.00	-24.53	53.23	38.12	15.13	57.94	0.93	209	1	PEAK
8	15720.00	39.35	54.00	-14.65	43.11	38.12	15.13	57.94	0.93	209	1	AVERAGE

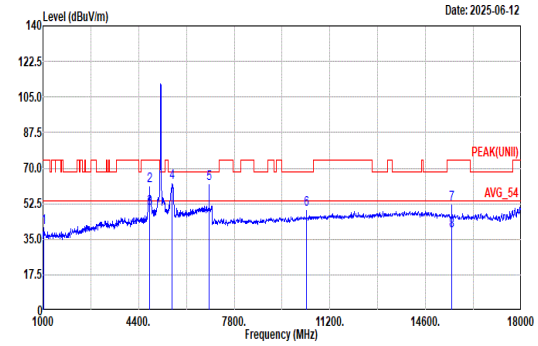
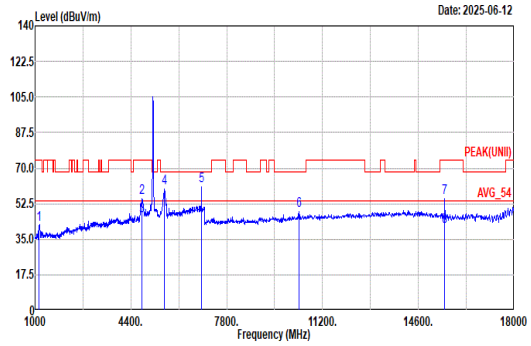
Vertical:

	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	1120.00	43.52	74.00	-30.48	72.89	25.44	3.88	58.69	0.00	100	87	Peak
2	4858.00	56.27	74.00	-17.73	52.41	32.53	8.20	36.87	0.00	100	89	PEAK
3	4858.00	43.77	54.00	-10.23	39.91	32.53	8.20	36.87	0.00	100	89	Average
4	5650.00	59.66	68.20	-8.54	54.47	33.30	8.69	36.80	0.00	295	122	PEAK
5	6986.67	55.40	68.20	-12.80	67.52	35.87	9.69	58.71	1.03	100	30	PEAK
6	10480.00	50.62	68.20	-17.58	57.14	38.60	12.00	58.01	0.89	201	222	PEAK
7	15720.00	53.76	74.00	-20.24	57.52	38.12	15.13	57.94	0.93	201	352	PEAK
8	15720.00	42.49	54.00	-11.51	46.25	38.12	15.13	57.94	0.93	201	352	AVERAGE

Mode	3	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	1+2	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL
17.7G ~18G Avg	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL

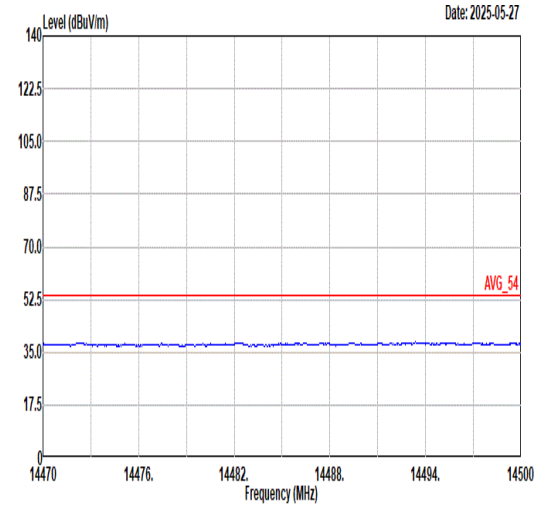
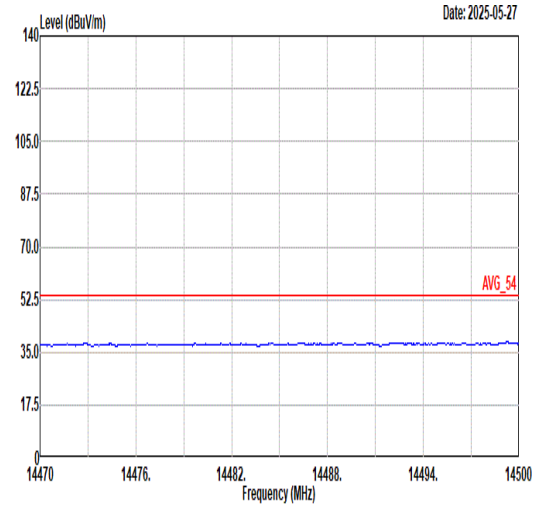
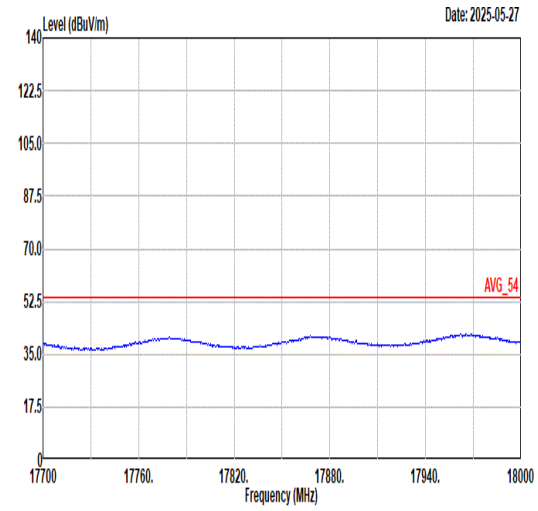
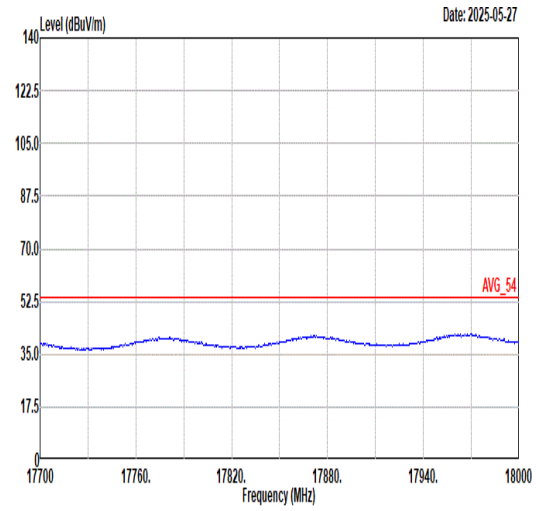
Mode	4	
	Band Edge	
	U-NII-1_5.15-5.25_802.11n HT20_CH36_5180MHz	
ANT	1+2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5145.16 57.98 74.00 -16.02 53.24 33.18 8.41 36.85 0.00 305 99 PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 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 5180.00 111.35 ------ ------ 106.68 33.08 8.44 36.85 0.00 305 99 PEAK
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 HORIZONTAL : RBW:1000.000kHz VBW:0.220kHz 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 5147.44 48.05 54.00 -5.95 43.30 33.19 8.41 36.85 0.00 305 99 AVERAGE	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL : RBW:1000.000kHz VBW:0.220kHz 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 5180.00 104.91 ------ ------ 100.24 33.08 8.44 36.85 0.00 305 99 AVERAGE

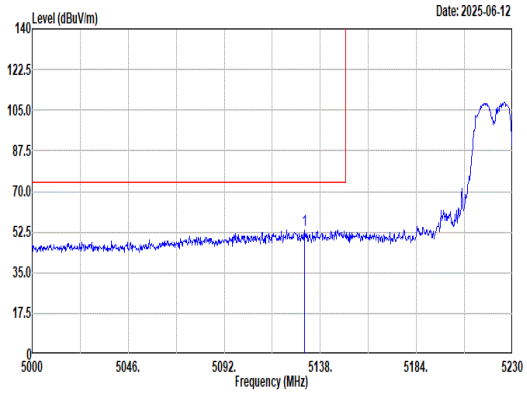
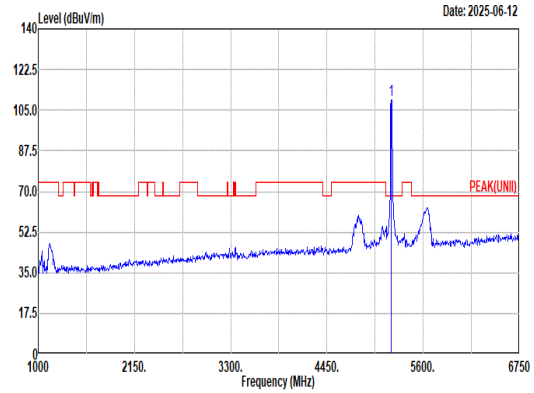
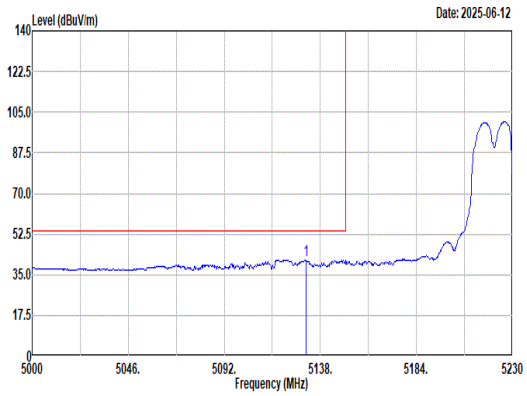
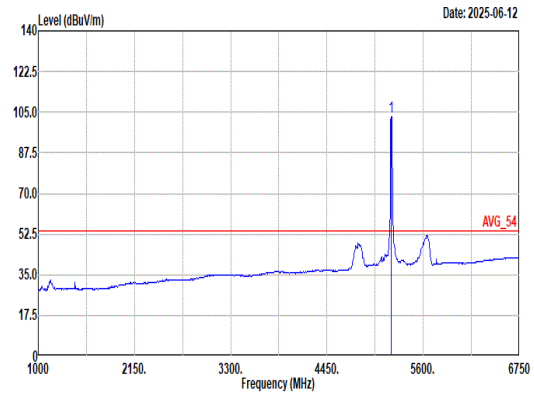
Mode	4	
	Band Edge	
	U-NII-1_5.15-5.25_802.11n HT20_CH36_5180MHz	
ANT	1+2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.72 56.37 74.00 -17.63 51.61 33.20 8.41 36.85 0.00 100 129 PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 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 5180.00 105.35 ------ ------ 100.68 33.08 8.44 36.85 0.00 100 129 PEAK
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:8.220kHz 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 5149.72 44.77 54.00 -9.23 40.01 33.20 8.41 36.85 0.00 100 129 AVERAGE	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:8.220kHz 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 5180.00 99.35 ------ ------ 94.68 33.08 8.44 36.85 0.00 100 129 AVERAGE

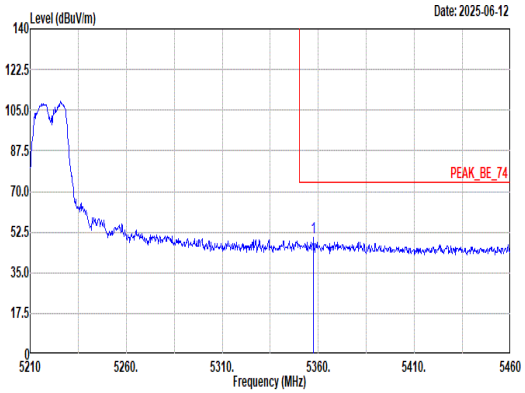
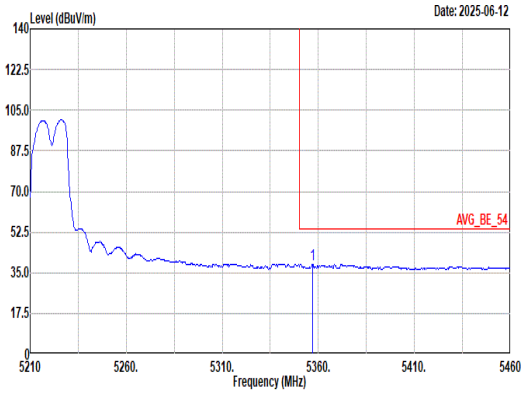
Mode	4	
	Harmonic	
	U-NII-1_5.15-5.25_802.11n HT20_CH36_5180MHz	
ANT	1+2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 VERTICAL

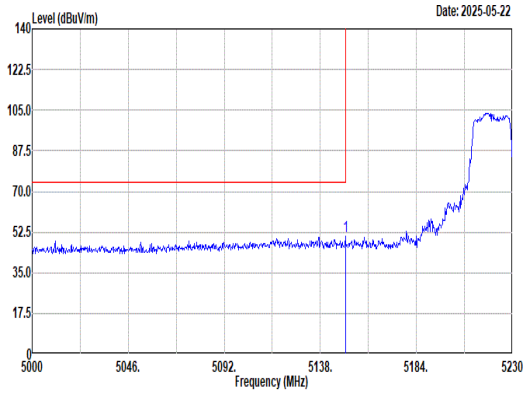
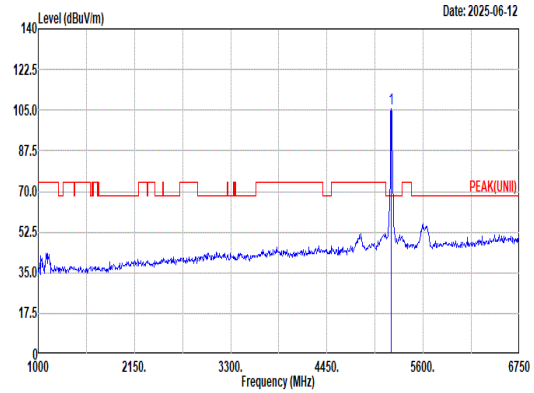
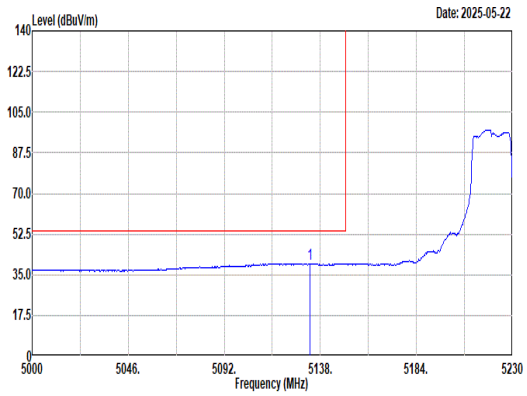
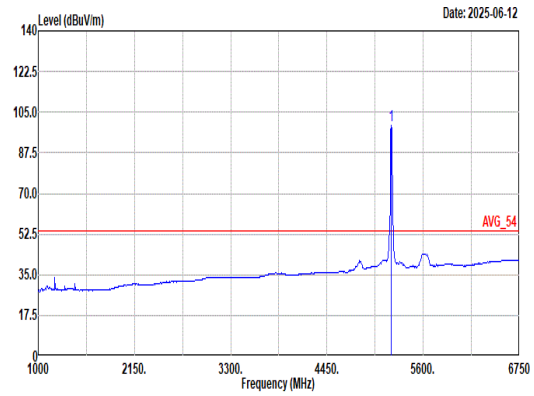
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	1030.00	40.91	74.00	-33.09	70.95	24.94	3.73	58.71	0.00	100	87	Peak
2	4798.00	61.04	74.00	-12.96	57.38	32.39	8.15	36.88	0.00	100	90	Peak
3	4798.00	50.35	54.00	-3.65	46.69	32.39	8.15	36.88	0.00	100	90	Average
4	5600.00	62.95	68.20	-5.25	58.13	33.00	8.63	36.81	0.00	100	87	Peak
5	6907.50	62.54	68.20	-5.66	74.70	35.80	9.64	58.68	1.08	351	53	PEAK
6	10360.00	49.75	68.20	-18.45	56.46	38.60	11.94	58.13	0.88	208	240	PEAK
7	15540.00	52.44	74.00	-21.56	56.25	38.06	15.02	57.78	0.89	298	359	PEAK
8	15540.00	39.33	54.00	-14.67	43.14	38.06	15.02	57.78	0.89	298	359	AVERAGE

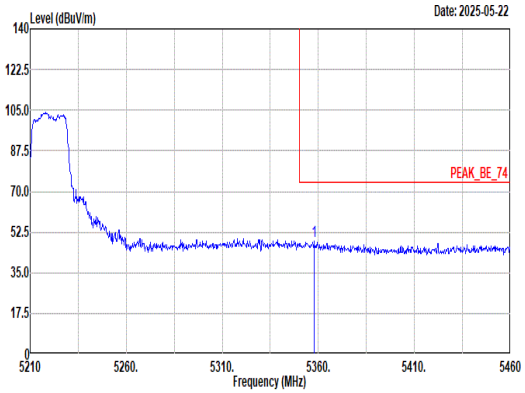
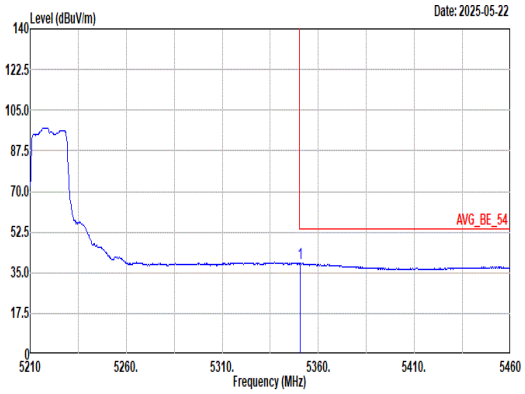
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	1150.00	42.17	74.00	-31.83	71.12	25.80	3.93	58.68	0.00	100	79	Peak
2	4798.00	55.65	74.00	-18.35	51.99	32.39	8.15	36.88	0.00	100	81	Peak
3	4798.00	46.47	54.00	-7.53	42.81	32.39	8.15	36.88	0.00	100	81	Average
4	5600.00	60.44	68.20	-7.76	55.62	33.00	8.63	36.81	0.00	301	122	Peak
5	6907.50	61.16	68.20	-7.04	73.32	35.80	9.64	58.68	1.08	100	27	PEAK
6	10360.00	49.39	68.20	-18.81	56.10	38.60	11.94	58.13	0.88	100	260	PEAK
7	15540.00	55.30	74.00	-18.70	59.11	38.06	15.02	57.78	0.89	189	0	PEAK
8	15540.00	41.11	54.00	-12.89	44.92	38.06	15.02	57.78	0.89	189	0	AVERAGE

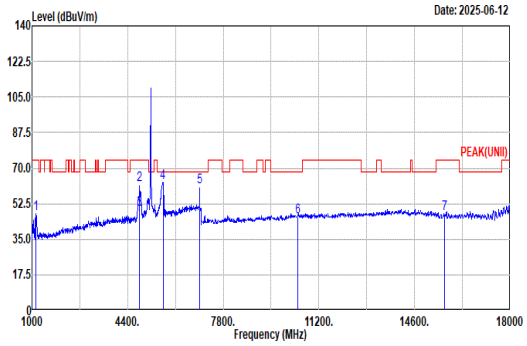
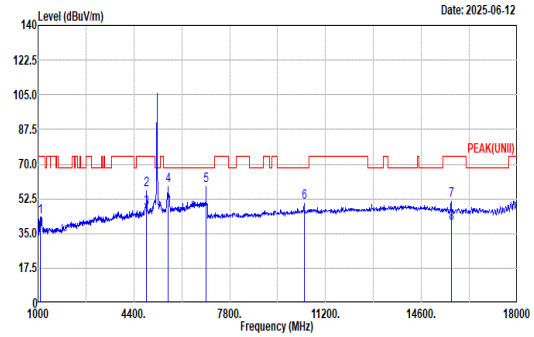
Mode	4	
	Harmonic	
	U-NII-1_5.15-5.25_802.11n HT20_CH36_5180MHz	
ANT	1+2	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL
17.7G ~18G Avg	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL

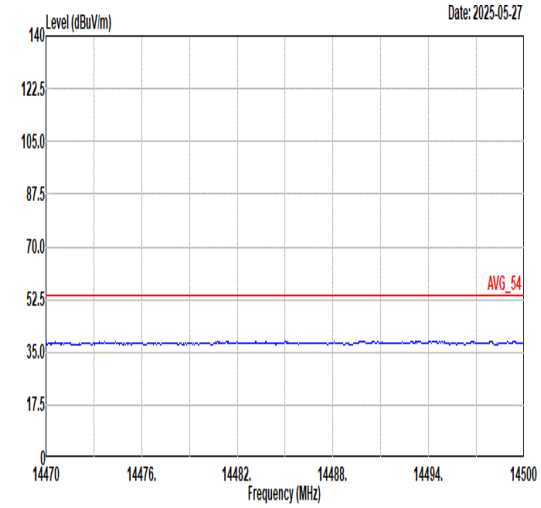
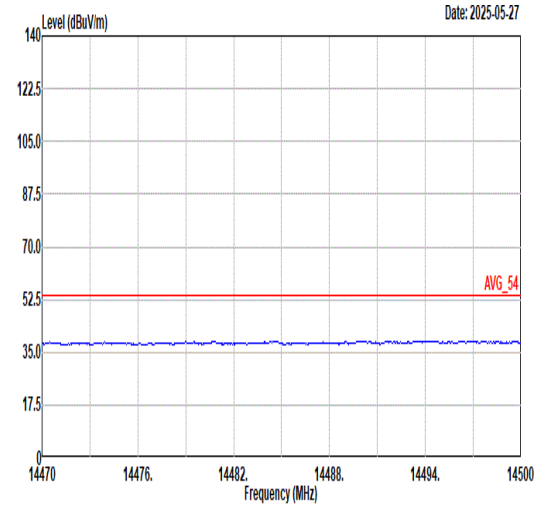
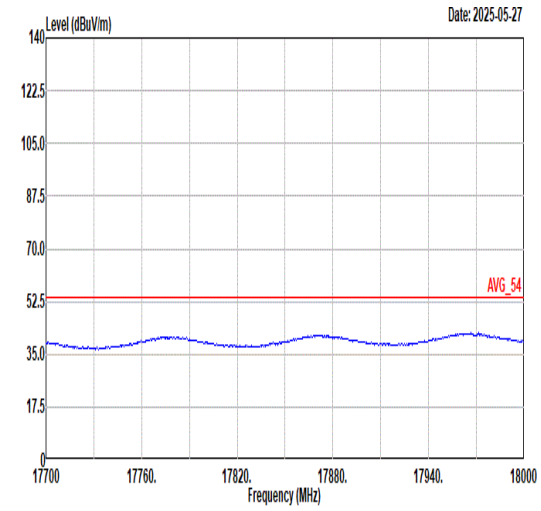
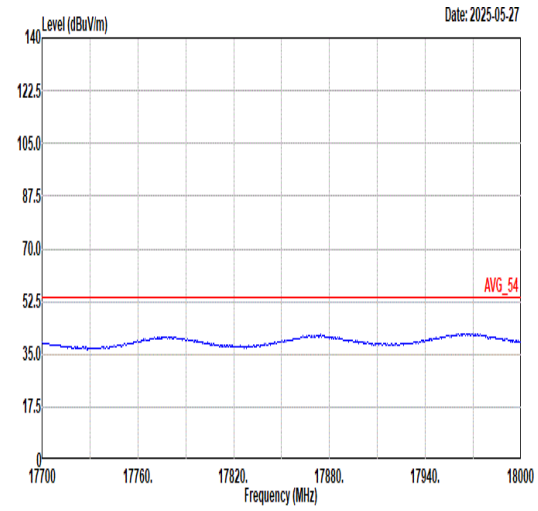
Mode	5	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11n HT20_CH44_5220MHz	
ANT	1+2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-1212_250327 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5130.41 53.26 74.00 -20.74 48.43 33.06 8.62 36.85 0.00 400 99 PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-1212_250327 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5220.00 109.51 ------ ------ 104.60 33.06 8.69 36.84 0.00 400 99 PEAK
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-1212_250327 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 5131.10 41.34 54.00 -12.66 36.51 33.06 8.62 36.85 0.00 400 99 AVERAGE	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-1212_250327 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 5220.00 103.13 ------ ------ 98.22 33.06 8.69 36.84 0.00 400 99 AVERAGE

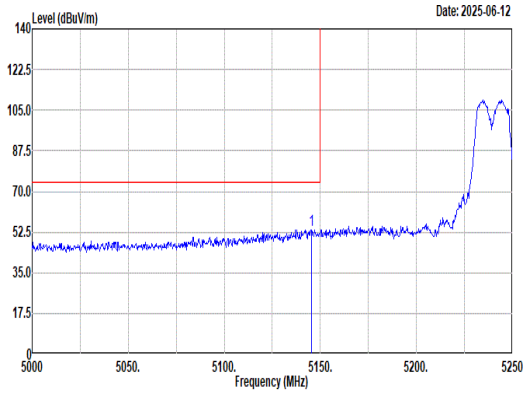
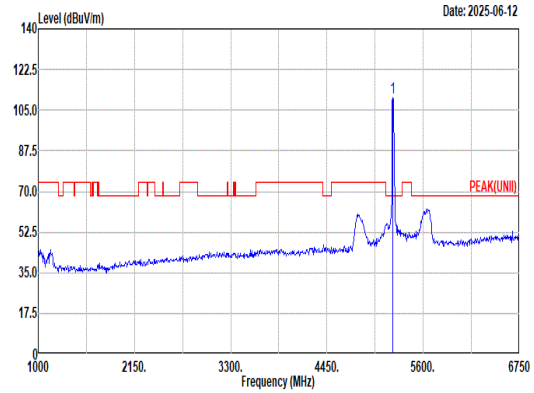
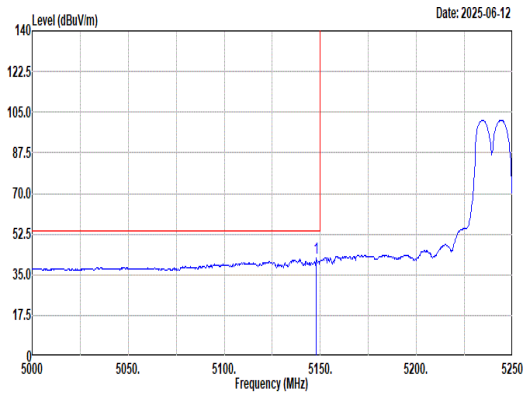
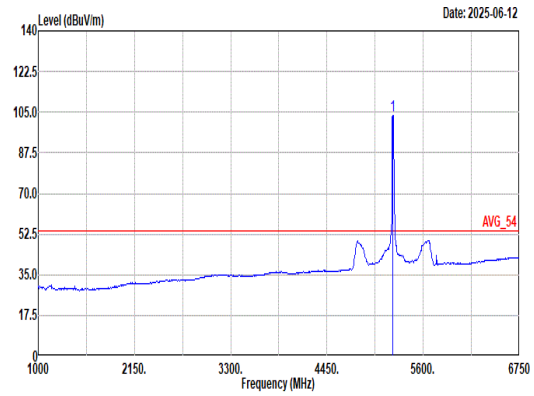
Mode	5	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11n HT20_CH44_5220MHz	
ANT	1+2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-1212_250327 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5357.50 50.08 74.00 -23.92 45.13 32.99 8.79 36.83 0.00 400 99 PEAK	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-1212_250327 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz 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 5357.00 38.74 54.00 -15.26 33.79 32.99 8.79 36.83 0.00 400 99 AVERAGE	Blank

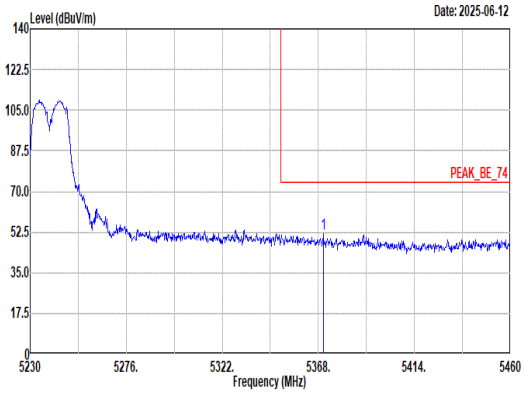
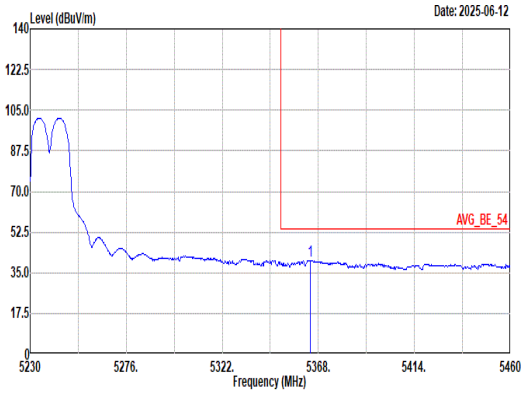
Mode	5	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11n HT20_CH44_5220MHz	
ANT	1+2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.96 50.85 74.00 -23.15 46.09 33.20 8.41 36.85 0.00 400 189 PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 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 5220.00 105.69 ------ ------ 101.06 33.00 8.47 36.84 0.00 400 189 PEAK
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:0.220kHz 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 5133.17 39.87 54.00 -14.13 35.19 33.13 8.40 36.85 0.00 400 189 AVERAGE	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:0.220kHz 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 5220.00 99.14 ------ ------ 94.51 33.00 8.47 36.84 0.00 400 189 AVERAGE

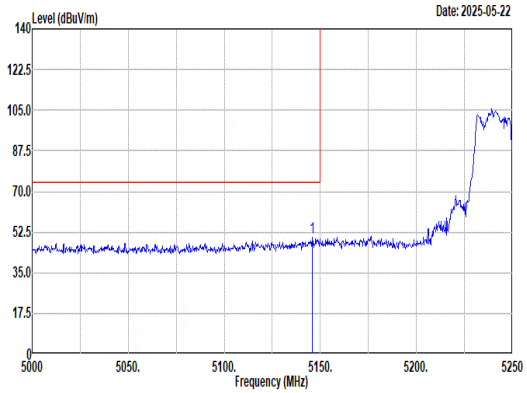
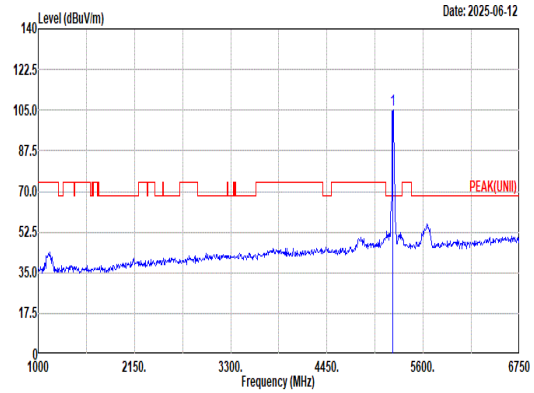
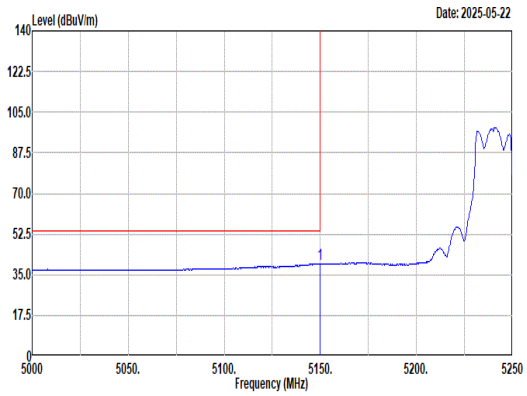
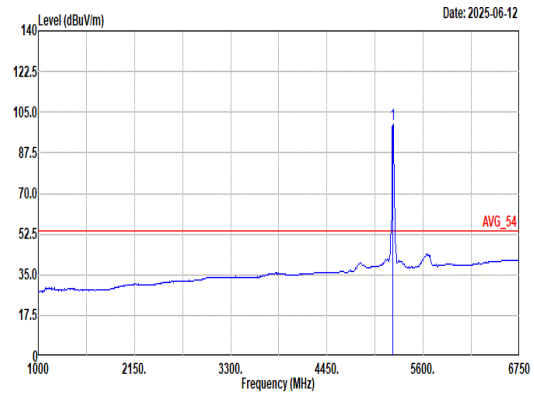
Mode	5	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11n HT20_CH44_5220MHz	
ANT	1+2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5357.75 48.45 74.00 -25.55 43.82 32.88 8.58 36.83 0.00 400 189 PEAK	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:0.220kHz SWT:Auto 1 5350.75 39.04 54.00 -14.96 34.40 32.90 8.57 36.83 0.00 400 189 AVERAGE	Blank

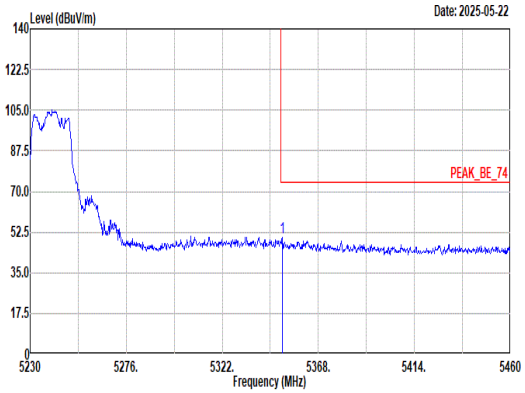
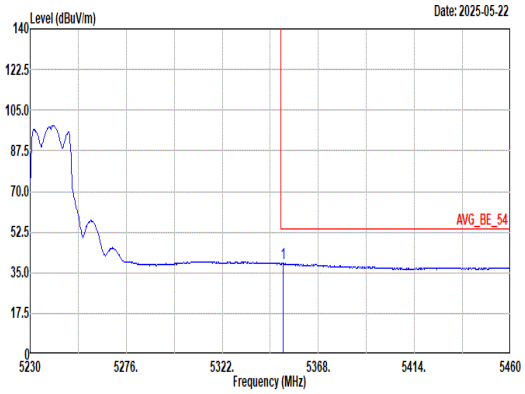
Mode	5	
	Harmonic	
	U-NII-1_5.15-5.25_802.11n HT20_CH44_5220MHz	
ANT	1+2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-1212_250327 HORIZONTAL 1 1138.00 47.39 74.00 -26.61 55.23 25.30 4.04 37.18 0.00 400 94 PEAK 2 4828.00 61.83 74.00 -12.17 57.91 32.41 8.39 36.88 0.00 100 84 PEAK 3 4828.00 49.54 54.00 -4.46 45.62 32.41 8.39 36.88 0.00 100 84 AVERAGE 4 5656.00 62.78 68.20 -5.42 57.44 33.05 9.09 36.80 0.00 100 96 PEAK 5 6960.00 60.99 68.20 -7.21 51.86 35.82 10.06 36.75 0.00 302 54 PEAK 6 10440.00 45.92 68.20 -22.28 32.80 38.60 12.24 37.72 0.00 -- -- PEAK 7 15660.00 47.45 74.00 -26.55 32.67 38.00 15.10 38.32 0.00 -- -- PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 VERTICAL 1 1096.00 43.49 74.00 -30.51 51.66 25.18 3.84 37.19 0.00 400 184 Peak 2 4840.00 57.20 74.00 -16.80 53.42 32.48 8.18 36.88 0.00 400 87 Peak 3 4840.00 47.70 54.00 -6.30 43.92 32.48 8.18 36.88 0.00 400 87 AVERAGE 4 5610.00 58.97 68.20 -9.23 54.08 33.06 8.64 36.81 0.00 100 89 Peak 5 6960.00 58.99 68.20 -9.21 50.24 35.82 9.68 36.75 0.00 100 27 PEAK 6 10440.00 50.48 68.20 -17.72 37.62 38.60 11.98 37.72 0.00 100 111 PEAK 7 15660.00 51.58 74.00 -22.42 36.69 38.12 15.09 38.32 0.00 302 356 PEAK 8 15660.00 40.08 74.00 -33.92 25.19 38.12 15.09 38.32 0.00 302 356 AVERAGE	

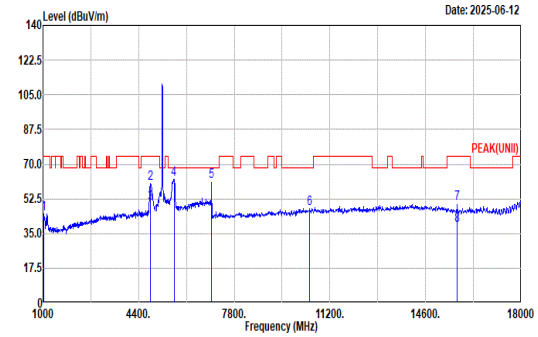
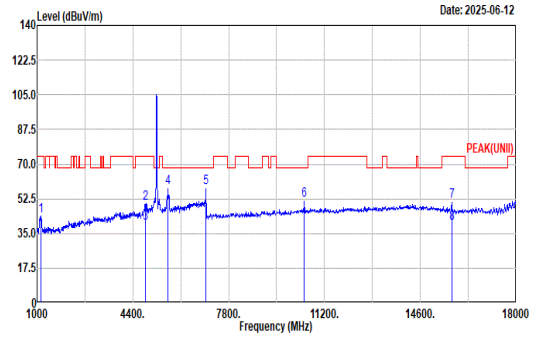
Mode	5	
	Harmonic	
	U-NII-1_5.15-5.25_802.11n HT20_CH44_5220MHz	
ANT	1+2	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL
17.7G ~18G Avg	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL

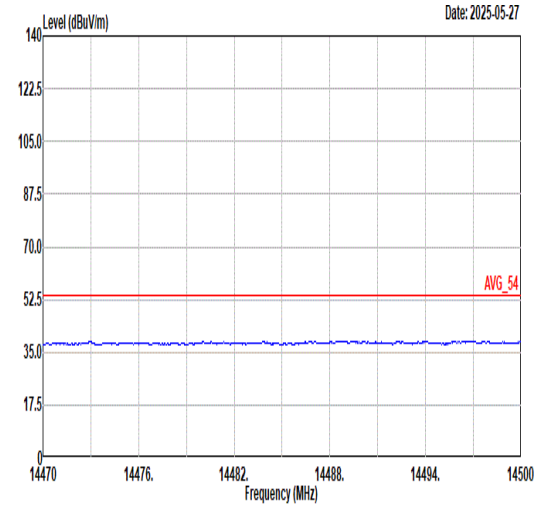
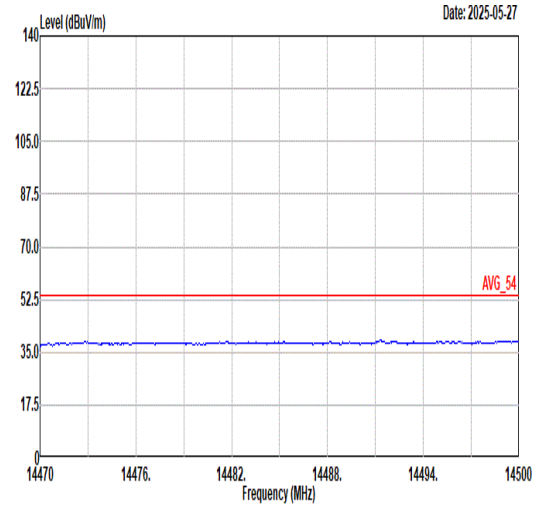
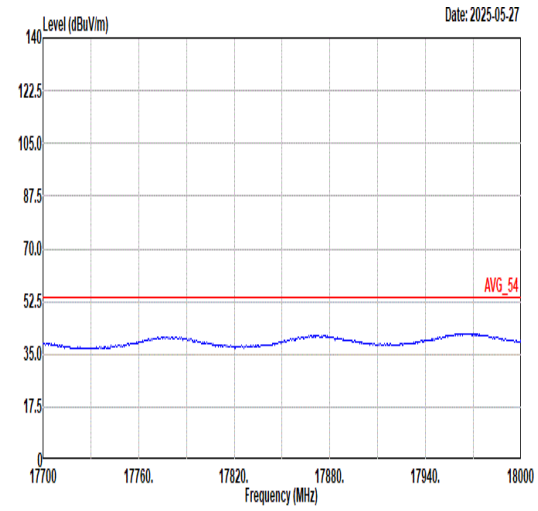
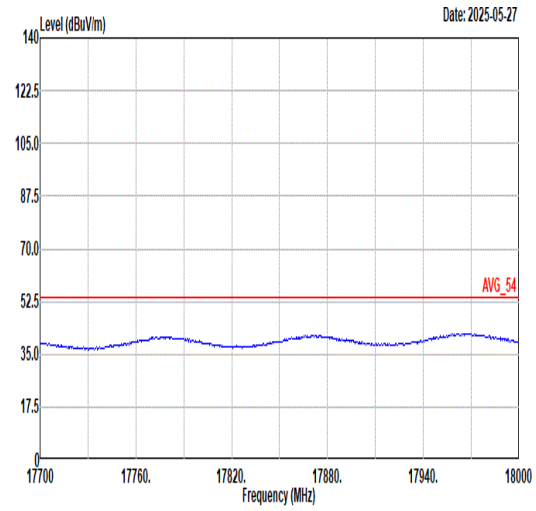
Mode	6	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11n HT20_CH48_5240MHz	
ANT	1+2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-1212_250327 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5145.25 53.52 74.00 -20.48 48.64 33.09 8.64 36.85 0.00 112 90 PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-1212_250327 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 5240.00 110.41 ------ ------ 105.52 33.02 8.71 36.84 0.00 112 90 PEAK
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-1212_250327 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz 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 5148.00 42.17 54.00 -11.83 37.28 33.10 8.64 36.85 0.00 112 90 AVERAGE	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-1212_250327 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz 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 5240.00 103.78 ------ ------ 98.89 33.02 8.71 36.84 0.00 112 90 AVERAGE

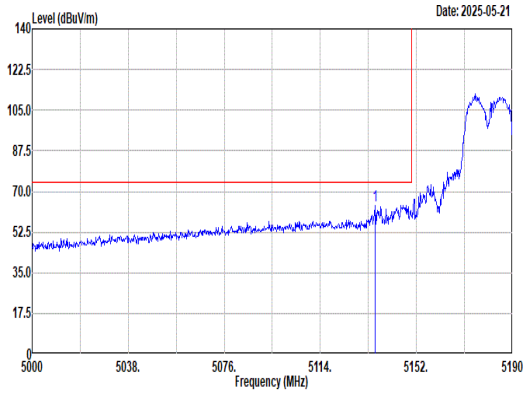
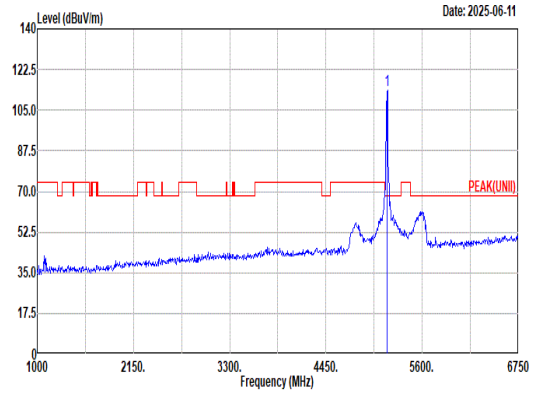
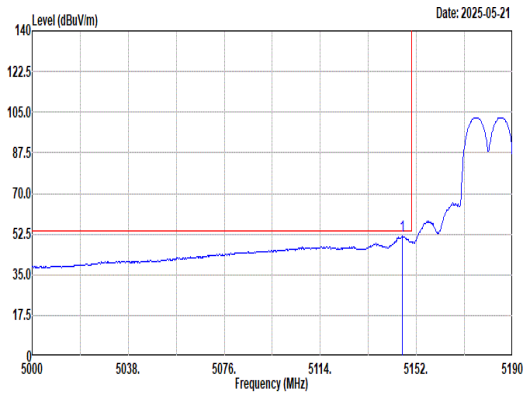
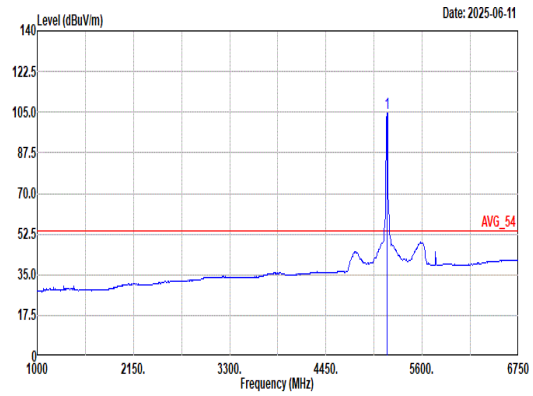
Mode	6	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11n HT20_CH48_5240MHz	
ANT	1+2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-1212_250327 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5370.30 51.73 74.00 -22.27 46.80 32.96 8.80 36.83 0.00 112 90 PEAK	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-1212_250327 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz 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 5364.32 40.23 54.00 -13.77 35.29 32.97 8.80 36.83 0.00 112 90 AVERAGE	Blank

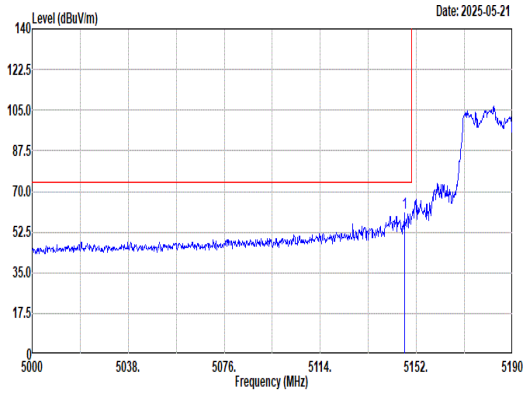
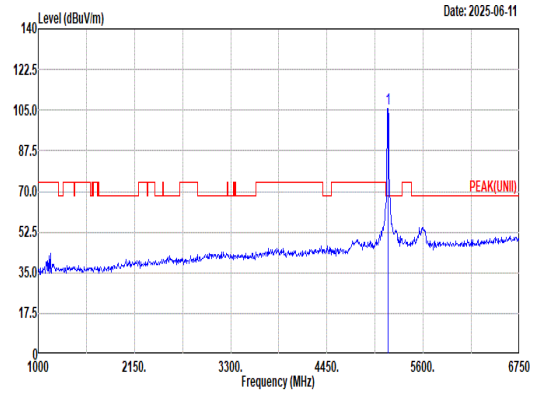
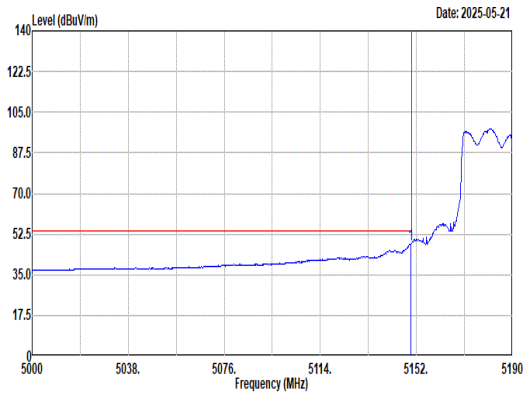
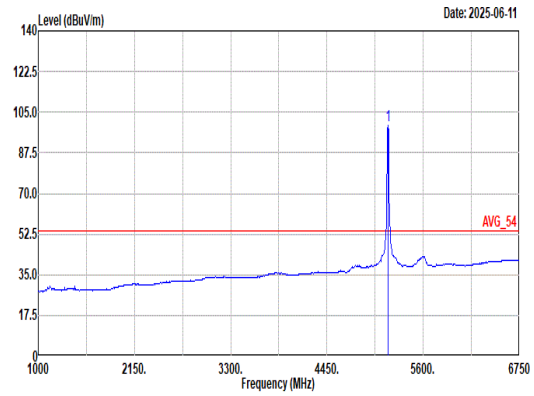
Mode	6	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11n HT20_CH48_5240MHz	
ANT	1+2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Level Read Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5146.00 49.94 74.00 -24.06 45.20 33.18 8.41 36.85 0.00 100 181 PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Level Read 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 5240.00 104.93 ------ ------ 100.29 33.00 8.48 36.84 0.00 100 181 PEAK
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:0.220kHz SWT:Auto Freq Level Limit Line Margin Level Read 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 5149.75 39.85 54.00 -14.15 35.09 33.20 8.41 36.85 0.00 100 181 AVERAGE	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:0.220kHz SWT:Auto Freq Level Limit Line Margin Level Read 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 5240.00 99.77 ------ ------ 95.13 33.00 8.48 36.84 0.00 100 181 AVERAGE

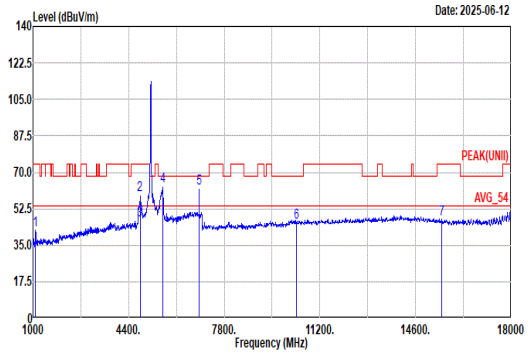
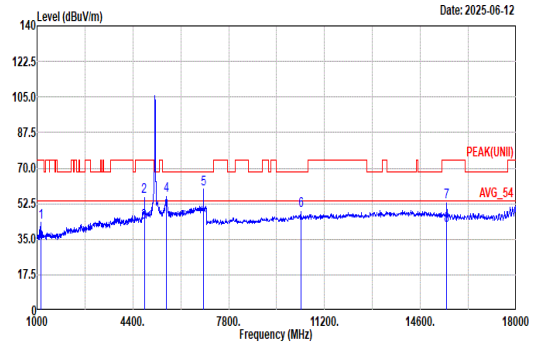
Mode	6	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11n HT20_CH48_5240MHz	
ANT	1+2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.75 50.09 74.00 -23.91 45.45 32.90 8.57 36.83 0.00 100 181 PEAK	Blank
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:8.220kHz 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 5350.98 39.24 54.00 -14.76 34.60 32.90 8.57 36.83 0.00 100 181 AVERAGE	Blank

Mode	6	
	Harmonic	
	U-NII-1_5.15-5.25_802.11n HT20_CH48_5240MHz	
ANT	1+2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-1212_250327 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 1030.00 44.71 74.00 -29.29 53.48 24.60 3.84 37.21 0.00 112 87 PEAK 2 4822.00 60.21 74.00 -13.79 56.31 32.39 8.39 36.88 0.00 112 83 PEAK 3 4822.00 50.40 54.00 -3.60 46.50 32.39 8.39 36.88 0.00 112 83 AVERAGE 4 5656.00 62.37 68.20 -5.83 57.03 33.05 9.09 36.80 0.00 112 92 PEAK 5 6986.67 61.15 68.20 -7.05 51.97 35.87 10.07 36.76 0.00 300 53 PEAK 6 10480.00 47.29 68.20 -20.91 34.15 38.60 12.26 37.72 0.00 -- -- PEAK 7 15720.00 50.31 74.00 -23.69 35.45 37.96 15.13 38.23 0.00 297 0 PEAK 8 15720.00 39.31 74.00 -34.69 24.45 37.96 15.13 38.23 0.00 297 0 AVERAGE	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 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 1138.00 43.79 74.00 -30.21 51.40 25.66 3.91 37.18 0.00 100 177 Peak 2 4840.00 50.24 74.00 -23.76 46.46 32.48 8.18 36.88 0.00 100 186 Peak 3 4840.00 40.13 54.00 -13.87 36.35 32.48 8.18 36.88 0.00 100 186 AVERAGE 4 5640.00 58.27 68.20 -9.93 53.16 33.24 8.67 36.80 0.00 288 130 Peak 5 6986.67 58.11 68.20 -10.09 49.31 35.87 9.69 36.76 0.00 100 24 PEAK 6 10480.00 51.84 68.20 -16.36 38.96 38.60 12.00 37.72 0.00 100 115 PEAK 7 15720.00 51.49 74.00 -22.51 36.47 38.12 15.13 38.23 0.00 298 355 PEAK 8 15720.00 39.97 74.00 -34.03 24.95 38.12 15.13 38.23 0.00 298 355 AVERAGE

Mode	6	
	Harmonic	
	U-NII-1_5.15-5.25_802.11n HT20_CH48_5240MHz	
ANT	1+2	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL
17.7G ~18G Avg	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL

Mode	7	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz	
ANT	1+2	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 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 5135.66 64.07 74.00 -9.93 59.38 33.14 8.40 36.85 0.00 100 96 PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 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 5180.00 113.56 ------ ------ 108.89 33.08 8.44 36.85 0.00 100 96 PEAK
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 HORIZONTAL : RBW:1000.000kHz VBW:0.300kHz 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 5146.49 51.80 54.00 -2.20 47.05 33.19 8.41 36.85 0.00 100 96 AVERAGE	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 HORIZONTAL : RBW:1000.000kHz VBW:0.300kHz 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 5180.00 104.44 ------ ------ 99.77 33.08 8.44 36.85 0.00 100 96 AVERAGE

Mode	7	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz	
ANT	1+2	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition: PEAK_BE_74 3m 9120D-02294_240620 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 5147.25 60.64 74.00 -13.36 55.89 33.19 8.41 36.85 0.00 100 186 PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 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 5180.00 105.73 ------ ------ 101.06 33.08 8.44 36.85 0.00 100 186 PEAK
Avg	 Site : 03CH15-HY Condition: AVG_BE_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:0.300kHz 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 5149.91 48.26 54.00 -5.74 43.50 33.20 8.41 36.85 0.00 100 186 AVERAGE	 Site : 03CH15-HY Condition: AVG_54 3m 9120D-02294_240620 VERTICAL : RBW:1000.000kHz VBW:0.300kHz 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 5180.00 99.45 ------ ------ 94.78 33.08 8.44 36.85 0.00 100 186 AVERAGE

Mode	7	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz	
ANT	1+2	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 HORIZONTAL 1 1084.00 42.18 74.00 -31.82 50.45 25.10 3.82 37.19 0.00 100 88 PEAK 2 4804.00 59.03 74.00 -14.97 55.35 32.41 8.15 36.88 0.00 100 86 PEAK 3 4804.00 47.08 54.00 -6.92 43.40 32.41 8.15 36.88 0.00 100 86 Average 4 5602.00 63.52 68.20 -4.68 58.69 33.01 8.63 36.81 0.00 100 87 PEAK 5 6907.50 62.50 68.20 -5.70 74.66 35.80 9.64 58.68 1.08 300 51 PEAK 6 10360.00 46.10 68.20 -22.10 52.81 38.60 11.94 58.13 0.88 -- -- PEAK 7 15540.00 47.59 74.00 -26.41 51.40 38.06 15.02 57.78 0.89 -- -- PEAK	 Site : 03CH15-HY Condition: PEAK(UNII) 3m 9120D-02294_240620 VERTICAL 1 1144.00 43.11 74.00 -30.89 50.63 25.73 3.92 37.17 0.00 100 183 PEAK 2 4804.00 55.87 74.00 -18.13 52.19 32.41 8.15 36.88 0.00 100 105 Peak 3 4804.00 43.31 54.00 -10.69 39.63 32.41 8.15 36.88 0.00 100 105 Average 4 5590.00 56.51 68.20 -11.69 51.69 33.00 8.63 36.81 0.00 100 188 PEAK 5 6907.50 59.63 68.20 -8.57 71.79 35.80 9.64 58.68 1.08 102 10 PEAK 6 10360.00 49.38 68.20 -18.82 56.09 38.60 11.94 58.13 0.88 400 353 PEAK 7 15540.00 53.53 74.00 -20.47 57.34 38.06 15.02 57.78 0.89 200 2 PEAK 8 15540.00 41.76 54.00 -12.24 45.57 38.06 15.02 57.78 0.89 200 2 AVERAGE