



FCC RF Test Report

APPLICANT : Quectel Wireless Solutions Co., Ltd.
EQUIPMENT : Wi-Fi & Bluetooth Module
BRAND NAME : Quectel
MODEL NAME : FCS866R
FCC ID : XMR2023FCS866R
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure
TEST DATE(S) : Jan. 09, 2024 ~ Feb. 27, 2024

We, Sporton International Inc. (ShenZhen), 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.

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The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (ShenZhen)

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People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR3D2611D	Rev. 01	Initial issue of report	Feb. 29, 2024



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit for U-NII-1/2A/2C	Limit for U-NII-3	Result	Remark
3.1	2.1049 & 15.403(i)	6dB, 26dB & 99% Bandwidth	-	6dB Bandwidth > 500kHz	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	≤ 24 dBm	≤ 30 dBm	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 11 dBm/MHz	≤ 30 dBm/500kHz	Pass	-
3.4	15.407(b)	Unwanted Emissions	15.407(b) & 15.209(a)	15.407(b)(4)(i) & 15.209(a)	Pass	Under limit 0.21 dB at 5351.10 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	15.207(a)	Pass	Under limit 10.25 dB at 0.404 MHz
3.6	15.203 & 15.407(a)	Antenna Requirement	15.203 & 15.407(a)	15.203 & 15.407(a)	Pass	-

Conformity Assessment Condition:

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

Disclaimer:

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



1 General Description

1.1 Applicant

Quectel Wireless Solutions Co., Ltd.

Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District,
Shanghai 200233, China

1.2 Manufacturer

Quectel Wireless Solutions Co., Ltd.

Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District,
Shanghai 200233, China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Wi-Fi & Bluetooth Module
Brand Name	Quectel
Model Name	FCS866R
FCC ID	XMR2023FCS866R
SN Code	Conducted: E1M23KL03000093 Conduction: E1M23KL03000085 Radiation: E1M23KL03000054
HW Version	R1.0
SW Version	NA
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.



1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz 5745 MHz ~ 5825 MHz
Maximum Output Power to Antenna	MIMO <Ant. 0 + 1> <5180 MHz ~ 5240 MHz> 802.11a : 19.82 dBm / 0.0959 W 802.11n HT20 : 19.75 dBm / 0.0944 W 802.11n HT40 : 21.04 dBm / 0.1271 W 802.11ac VHT20: 19.87 dBm / 0.0971 W 802.11ac VHT40: 21.13 dBm / 0.1297 W 802.11ac VHT80: 18.62 dBm / 0.0728 W 802.11ax HE20: 20.02 dBm / 0.1005 W 802.11ax HE40: 21.50 dBm / 0.1413 W 802.11ax HE80: 17.84 dBm / 0.0608 W <5260 MHz ~ 5320 MHz> 802.11a : 22.10 dBm / 0.1622 W 802.11n HT20 : 21.24 dBm / 0.1330 W 802.11n HT40 : 22.01 dBm / 0.1589 W 802.11ac VHT20: 21.33 dBm / 0.1358 W 802.11ac VHT40: 22.10 dBm / 0.1622 W 802.11ac VHT80: 17.74 dBm / 0.0594 W 802.11ax HE20: 22.14 dBm / 0.1637 W 802.11ax HE40: 22.10 dBm / 0.1622 W 802.11ax HE80: 17.24 dBm / 0.0530 W <5500 MHz ~ 5720 MHz > 802.11a : 22.78 dBm / 0.1897 W 802.11n HT20 : 23.08 dBm / 0.2032 W 802.11n HT40 : 23.36 dBm / 0.2168 W 802.11ac VHT20: 23.17 dBm / 0.2075 W 802.11ac VHT40: 23.44 dBm / 0.2208 W 802.11ac VHT80: 23.09 dBm / 0.2037 W 802.11ax HE20: 23.24 dBm / 0.2109 W 802.11ax HE40: 23.38 dBm / 0.2178 W 802.11ax HE80: 23.24 dBm / 0.2109 W <5745 MHz ~ 5825 MHz> 802.11a : 22.01 dBm / 0.1589 W 802.11n HT20 : 23.16 dBm / 0.2070 W 802.11n HT40 : 23.36 dBm / 0.2168 W 802.11ac VHT20: 23.23 dBm / 0.2104 W 802.11ac VHT40: 23.42 dBm / 0.2198 W 802.11ac VHT80: 23.31 dBm / 0.2143 W 802.11ax HE20: 23.15 dBm / 0.2065 W 802.11ax HE40: 23.37 dBm / 0.2173 W 802.11ax HE80: 23.27 dBm / 0.2123 W



99% Occupied Bandwidth	<5180 MHz ~ 5240 MHz> 802.11a : 16.38 MHz 802.11ac VHT20 : 17.58 MHz 802.11ac VHT40 : 36.36 MHz 802.11ac VHT80 : 76.84 MHz 802.11ax HE20: 18.93 MHz 802.11ax HE40: 37.86 MHz 802.11ax HE80: 77.44 MHz <5260 MHz ~ 5320 MHz> 802.11a : 16.53 MHz 802.11ac VHT20 : 17.68 MHz 802.11ac VHT40 : 36.36 MHz 802.11ac VHT80 : 76.96 MHz 802.11ax HE20: 18.98 MHz 802.11ax HE40: 38.06 MHz 802.11ax HE80: 77.44 MHz <5500 MHz ~ 5720 MHz> 802.11a : 17.43 MHz 802.11ac VHT20 : 18.03 MHz 802.11ac VHT40 : 45.65 MHz 802.11ac VHT80 : 77.08 MHz 802.11ax HE20: 19.08 MHz 802.11ax HE40: 39.86 MHz 802.11ax HE80: 77.44 MHz <5745 MHz ~ 5825 MHz> 802.11a : 16.83 MHz 802.11ac VHT20 : 20.38 MHz 802.11ac VHT40 : 41.76 MHz 802.11ac VHT80 : 76.96 MHz 802.11ax HE20: 19.08 MHz 802.11ax HE40: 42.86 MHz 802.11ax HE80: 77.44 MHz
Antenna Type / Gain	<5180 MHz ~ 5240 MHz> <Ant. 0> : Dipole Antenna with gain -0.90 dBi <Ant. 1> : Dipole Antenna with gain -0.90 dBi <5260 MHz ~ 5320 MHz> <Ant. 0> : Dipole Antenna with gain -1.40 dBi <Ant. 1> : Dipole Antenna with gain -1.40 dBi <5500 MHz ~ 5720 MHz> <Ant. 0> : Dipole Antenna with gain -0.30 dBi <Ant. 1> : Dipole Antenna with gain -0.30 dBi <5745 MHz ~ 5825 MHz> <Ant. 0> : Dipole Antenna with gain 0.40 dBi <Ant. 1> : Dipole Antenna with gain 0.40 dBi
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) 802.11ax : OFDM/OFDMA (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)

Note:

1. For 802.11n HT20 / ac VHT20 and 802.11n HT40 / ac VHT40 mode, the whole testing have assessed only 802.11ac VHT20/ VHT40 by referring to their maximum conducted power.



2. 802.11ax support full RU tone and partial RU tone, both full RU and partial RU-left (for low CH) and partial RU-right (for high CH) are tested, the full RU power > partial RU, therefore the full RU perform full test and Partial RU verified power/PSD/RSE
3. For WLAN SISO & MIMO mode, the whole testing has assessed only MIMO mode by referring to the higher normal output power.

1.5 Modification of EUT

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

1.6 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	CO01-KS	CN1257	314309

Test data subcontracted: Conducted emission test case in section 3.5 of this report.

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ	CN1256	421272



Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH04-SZ	CN1256	421272

1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	CO01-KS	AUDIX	E3	6.2009-8-24
2.	03CH04-SZ	AUDIX	E3	6.2009-8-24

1.8 Applicable Standards

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

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

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. 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, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded 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)
5180-5240 MHz 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)
5260-5320 MHz 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)
5500-5720MHz 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)	Channel	Freq. (MHz)
5745-5825 MHz U-NII-3	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155 [#]	5775	165	5825



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 in "*" are 40MHz bandwidth.
2. The above Frequency and Channel in "[#]" are 80MHz bandwidth.

2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

MIMO Mode

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

AC Conducted Emission	Mode 1 : WLAN Link(5G)+ BT Link+ USB Cable (Charging From EVB Adapter)
Remark: For Radiated Test Cases, the tests were performed with Adapter, Earphone and test Jig.	

Simultaneous transmission
802.11ac VHT40 CH62 (5310MHz)+ Bluetooth LE(2 Mbps) CH38(2478MHz)



Ch. #		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
		20M BW	20M BW	20M BW	20M BW
L	Low	36	52	100	149
M	Middle	44	60	116	157
H	High	48	64	140	165
Straddle		-	-	144	-

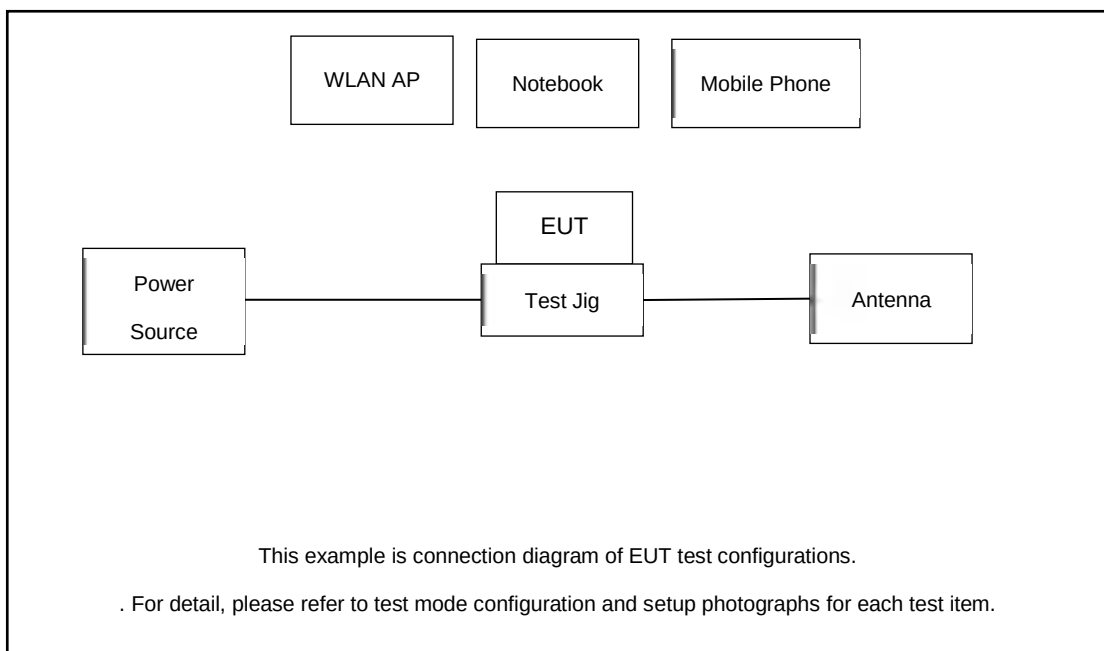
Ch. #		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
		40M BW	40M BW	40M BW	40M BW
L	Low	38	54	102	151
M	Middle	-	-	110	-
H	High	46	62	134	159
Straddle		-	-	142	-

Ch. #		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
		80M BW	80M BW	80M BW	80M BW
L	Low	-	-	106	-
M	Middle	42	58	-	155
H	High	-	-	122	-
Straddle		-	-	138	-

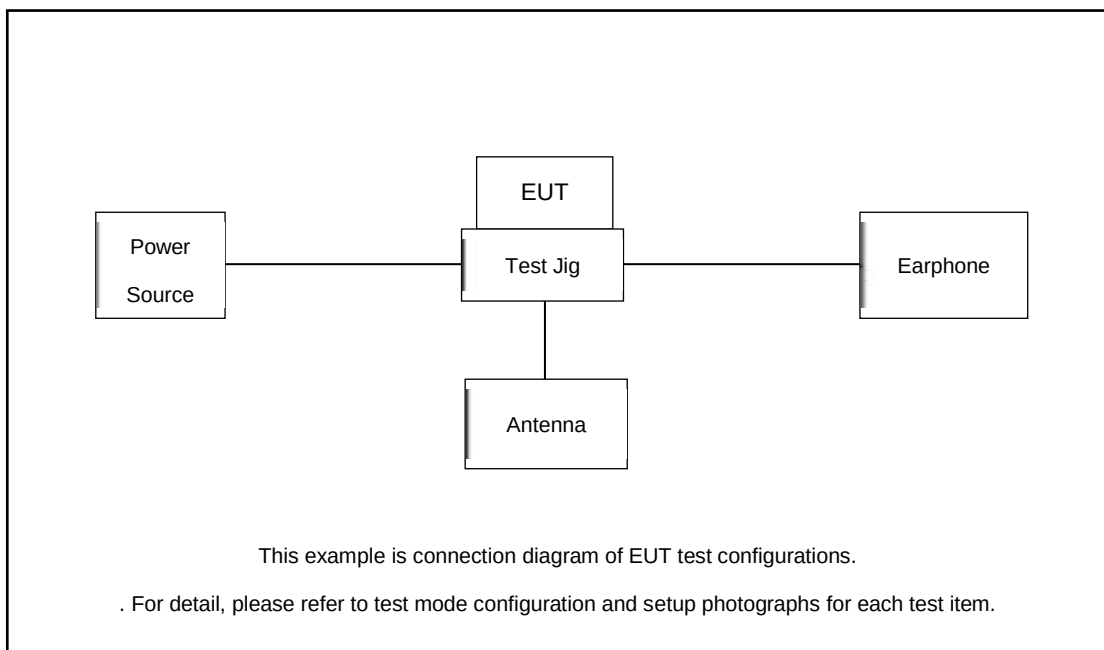


2.3 Connection Diagram of Test System

AC Conducted Emission:



Radiated Emission:





2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded, 1.8 m
2.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
3.	Mobile phone	MOTO	XT1952-1	N/A	N/A	N/A
4.	Adapter	N/A	N/A	N/A	N/A	N/A
5.	Antenna	N/A	N/A	N/A	N/A	N/A
6.	Earphone	N/A	N/A	N/A	Unshielded, 1.2 m	N/A
7.	Test Jig	N/A	N/A	N/A	N/A	N/A

2.5 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuously transmit.

For AC power line conducted emissions, the EUT was set to connect with the WLAN AP under large package sizes transmission.

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 2.3 dB and 10dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 2.3 + 10 = 12.3 \text{ (dB)}\end{aligned}$$



3 Test Result

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

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

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

26dB and 99% Occupied bandwidth are reporting only.

3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

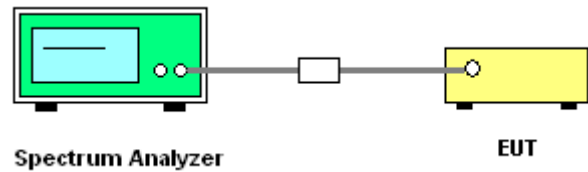
3.1.3 Test Procedures

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

☒	Section C) Bandwidth Measurement 1. Emission Bandwidth (EBW) and 99% OBW
	1. Set RBW = approximately 1% of the emission bandwidth. 2. Set the VBW > RBW. 3. Detector = Peak. 4. Trace mode = max hold 5. 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%. 6. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set to 1%~5% of the OBW and set the Video bandwidth (VBW) $\geq 3 * RBW$. 7. Measure and record the results in the test report.
☒	Section C) Bandwidth Measurement 2. Minimum Emission Bandwidth for the band 5.725 - 5.85 GHz
	1. Set RBW = 100kHz. 2. Set the VBW $\geq 3 * RBW$. 3. Detector = Peak. 4. Trace mode = max hold 5. Measure the maximum width of the emission that is 6 dB down from the peak of the emission. 6. Measure and record the results in the test report.

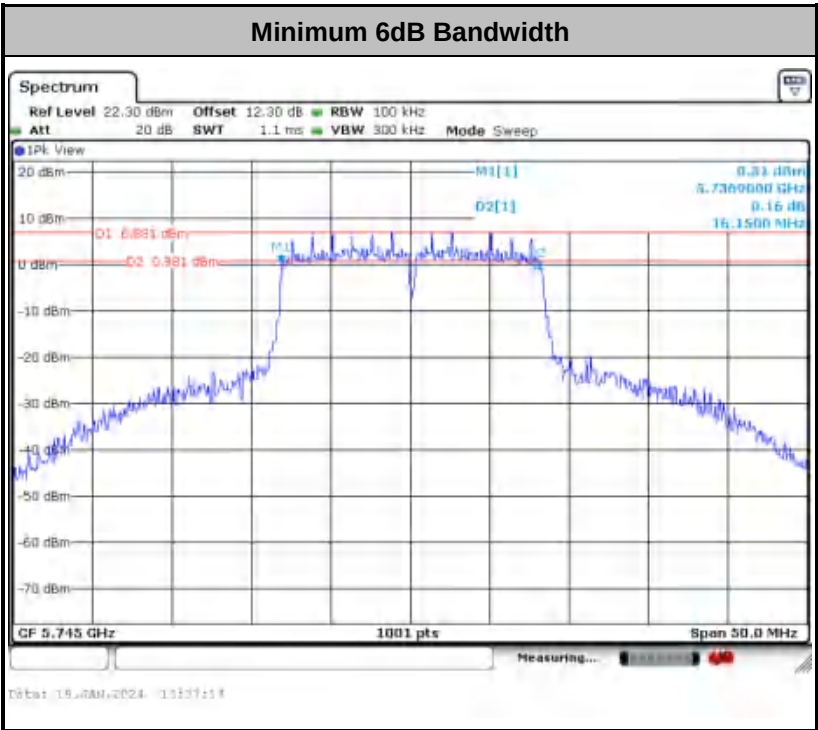


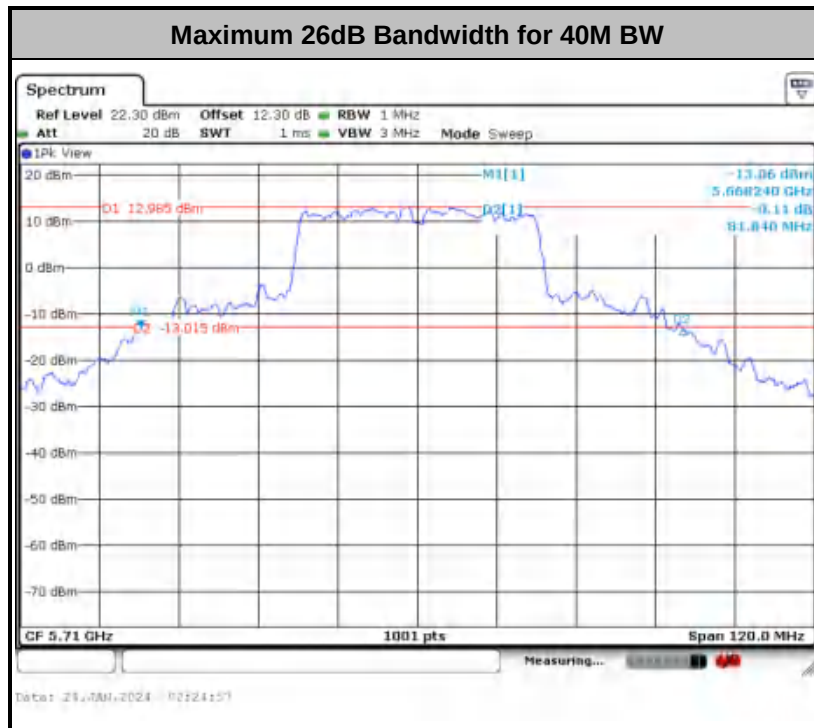
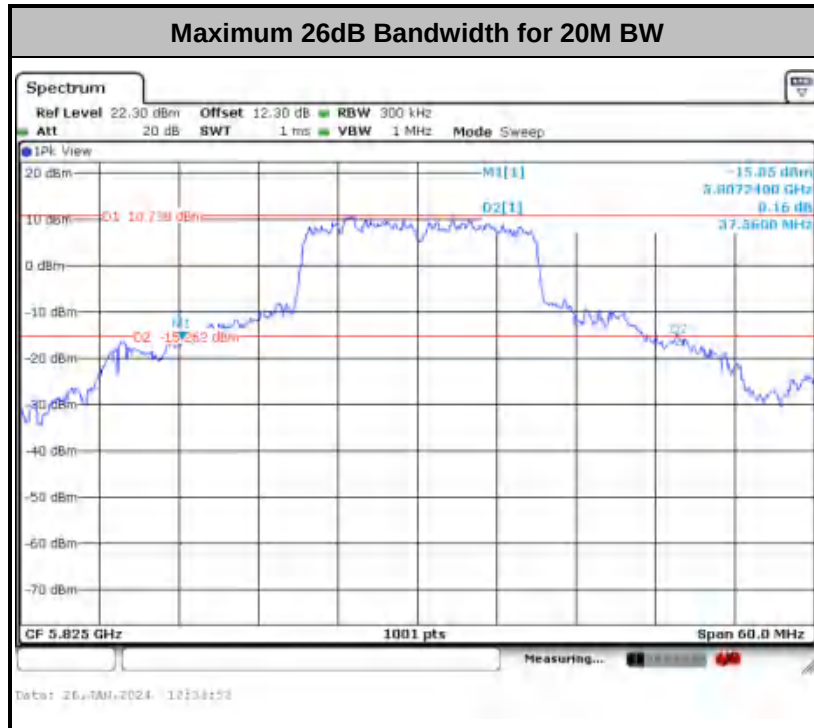
3.1.4 Test Setup

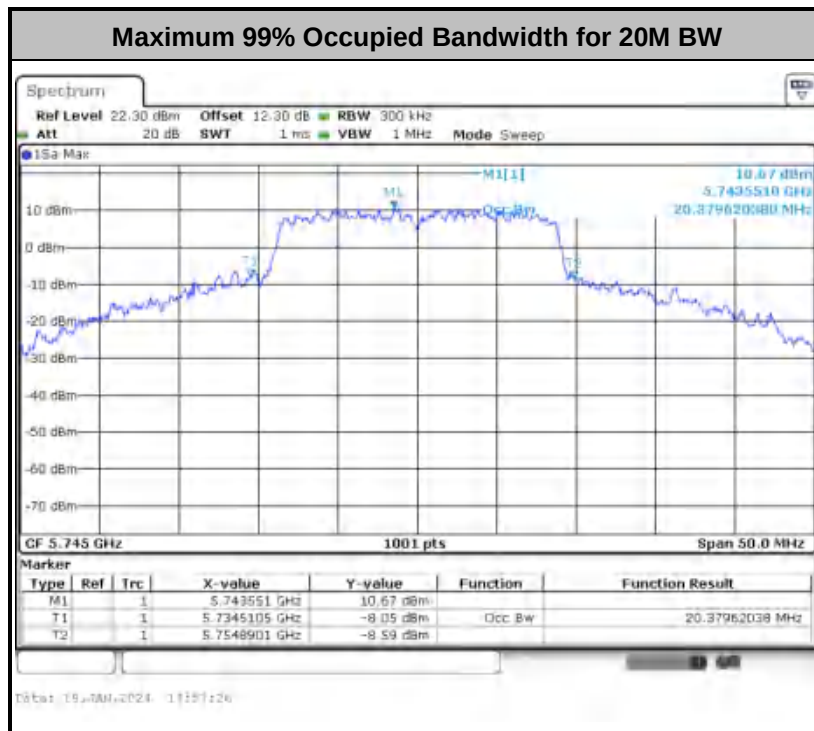
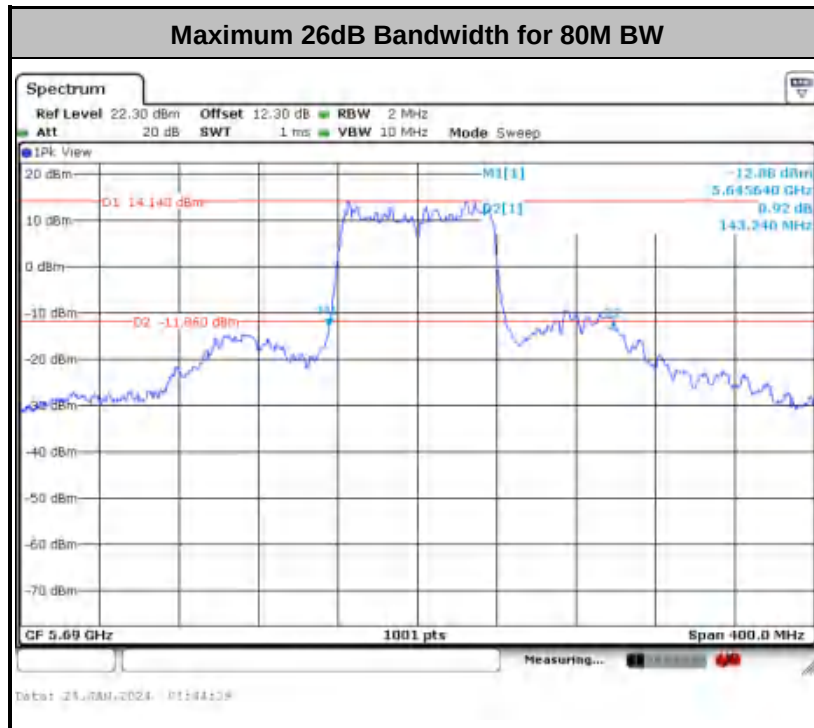


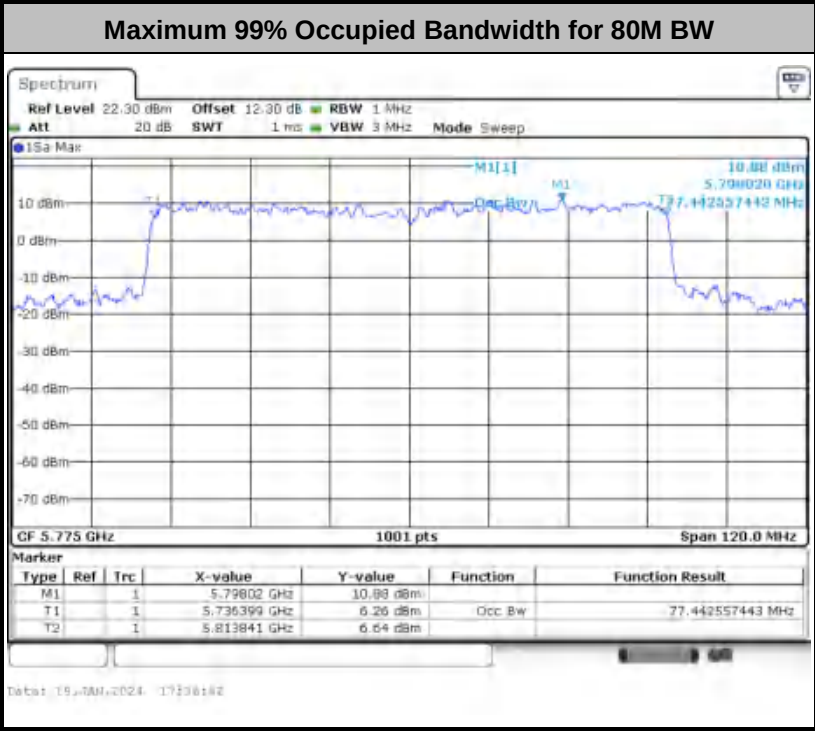
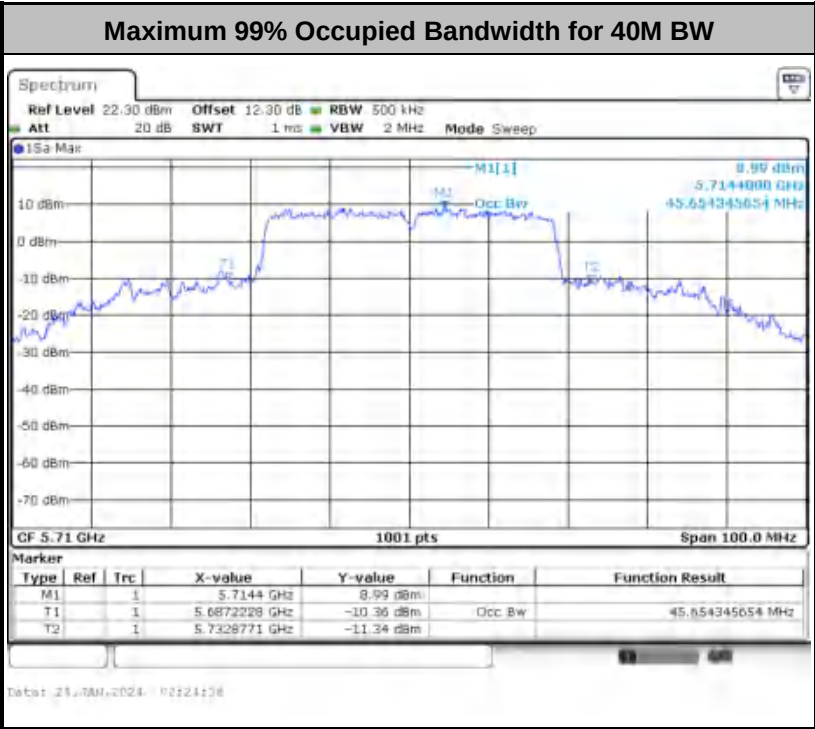
3.1.5 Test Result of 6dB Bandwidth

Please refer to Appendix A.









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



3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

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 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 $11 \text{ dBm} + 10 \log_{10} B$, where B is the 26 dB emission bandwidth in megahertz.

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

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.

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3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.



3.2.3 Test Procedures

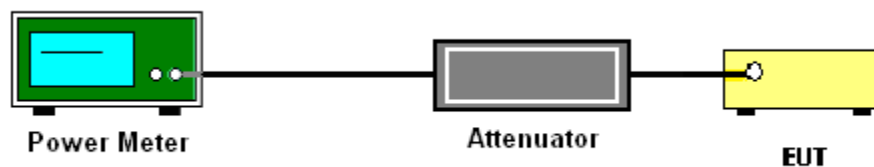
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, $10 \log(1/x)$, where x is the duty cycle.
4. For MIMO mode, the measure-and-sum technique should be used for measuring the in-band transmit power of a device.

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 mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

For the 5.25–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

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

The measuring equipment is listed in the section 4 of this test report.



3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.

Section F) Maximum power spectral density.

For devices operating in the bands UNII-1/2A/2C

Method SA-2

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

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW $\geq$ 3 MHz.
- Number of points in sweep $\geq$ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.

For devices operating in the band UNII-3

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 = 500KHz (or 300 kHz if the SA can't set RBW=500KHz).
- Set VBW $\geq$ 1 MHz.
- Number of points in sweep $\geq$ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- If the SA can't set RBW=500KHz, then add $10 \log(500\text{kHz}/\text{RBW})$ to the test result.
- 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 was 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.

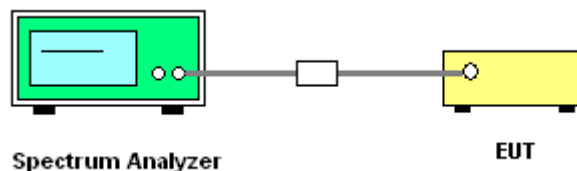
Method (a): Measure and sum the spectra across the outputs. (UNII-1/2A/2C)

The total final Power Spectral Density is the bin-by-bin summation to obtain the combined spectrum. For the 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.

Method (c): Measure and add $10 \log(N_{\text{ANT}})$ dB, where N_{ANT} is the number of outputs. (UNII-3)

The measurement on each individual output were performed with the same span and number on each individual output. The quantity $10 \log(N_{\text{ANT}})$ dB is added to each spectrum value before comparing to the emission limit.

3.3.4 Test Setup

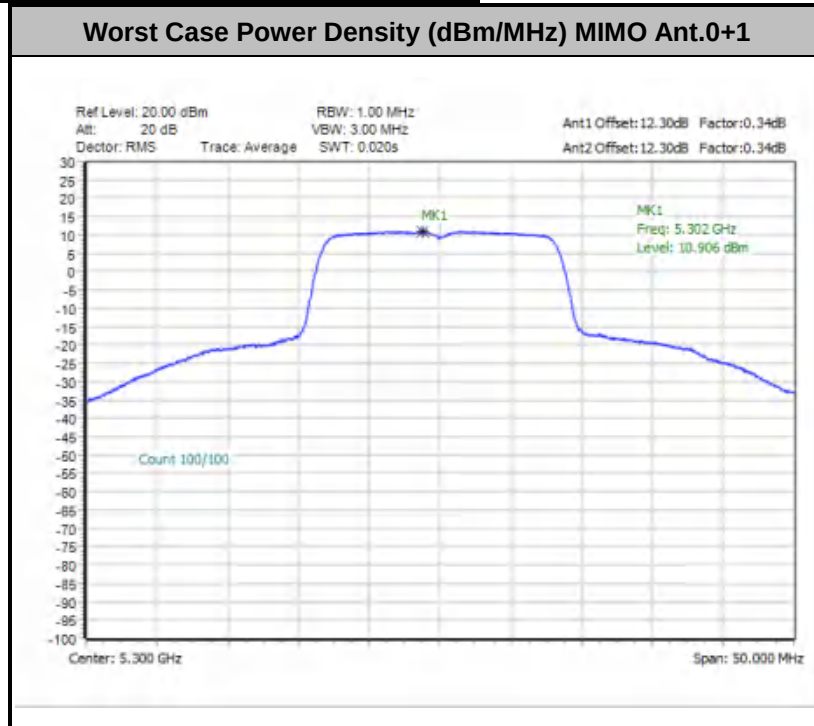




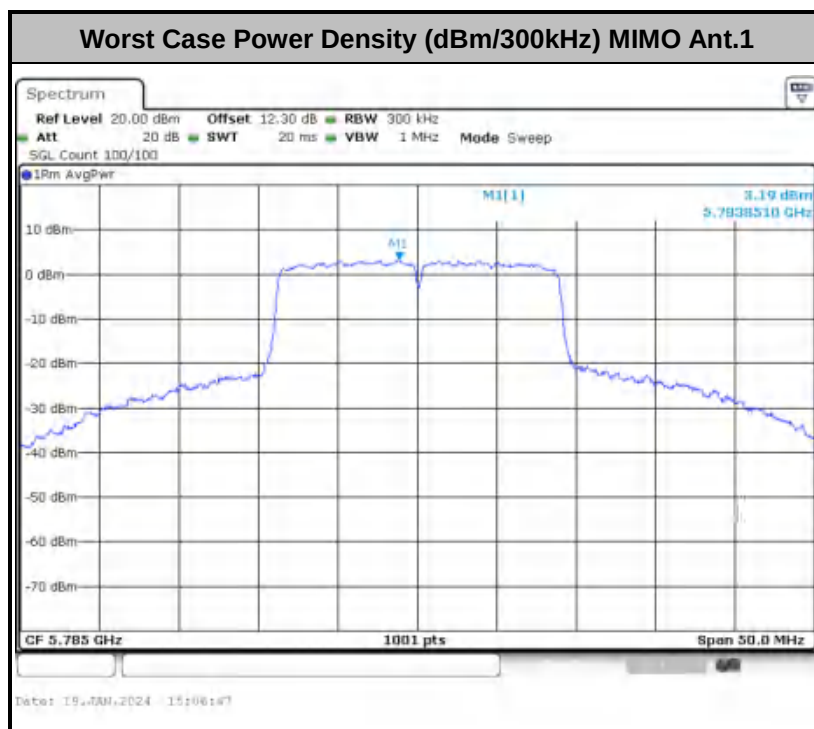
3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

For devices operating in the bands UNII-1/2A/2C



For devices operating in the band UNII-3





3.4 Unwanted Emissions Measurement

This section as specified in FCC Part 15.407(b) is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement. The unwanted emissions shall comply with 15.407(b)(1) to (6), and restricted bands per FCC Part 15.205.

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) For transmitters operating in the 5.725-5.85 GHz band:
- 15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.



(3) Unwanted spurious emissions fallen 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

(4) EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.2

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

$$\text{EIRP} = E_{\text{Meas}} + 20\log (d_{\text{Meas}}) - 104.7$$

where

EIRP is the equivalent isotropically radiated power, in dBm

E_{Meas} is the field strength of the emission at the measurement distance, in dBμV/m

d_{Meas} is the measurement distance, in m

3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.



3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.
Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
 - (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on.
 - (4) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 3 MHz
 - Detector = power averaging (rms), set span/(# of points in sweep) $\geq$ RBW/2.
 - Averaging type = power averaging(RMS)
 - The correction factor shall be offset is 10 log (1/x), where x is the duty cycle.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was 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 was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the

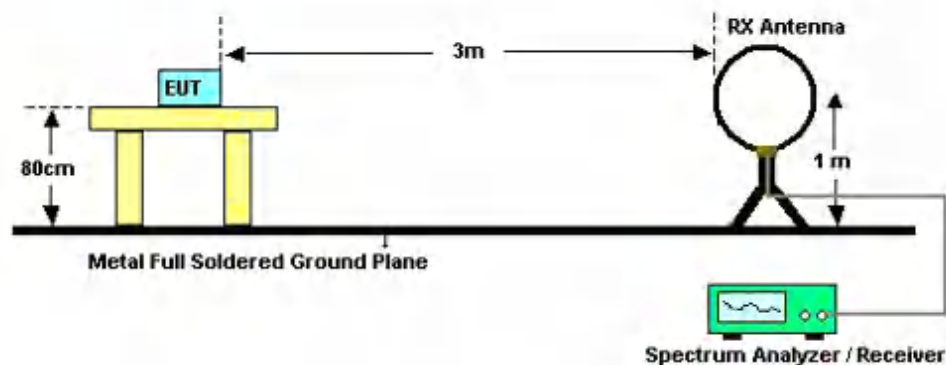


limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.

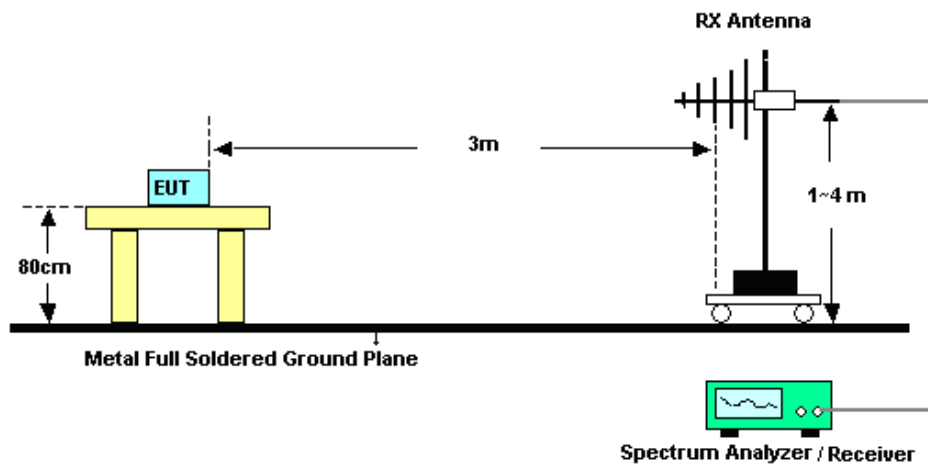
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

For radiated emissions below 30MHz

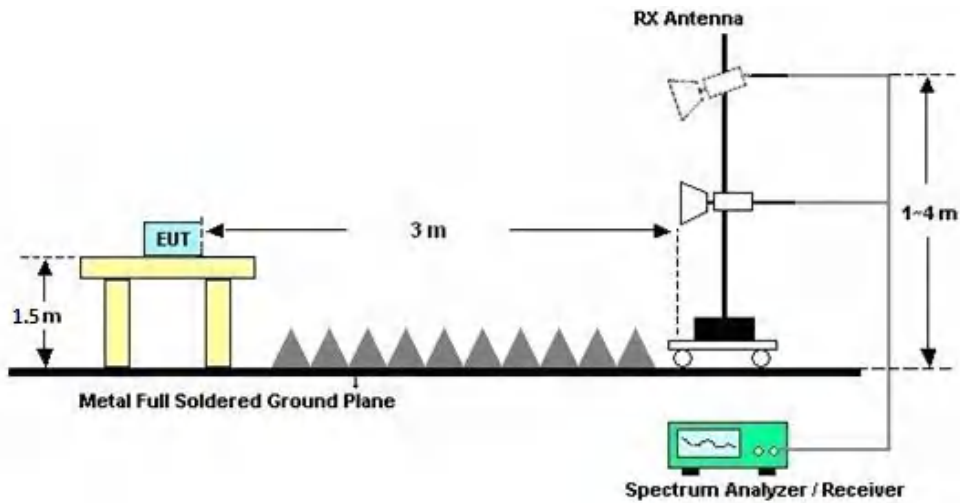


For radiated emissions from 30MHz to 1GHz





For radiated emissions above 1GHz



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

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

There is a comparison data of both open-field test site and semi-Anechoic chamber, 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 (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

3.5.2 Measuring Instruments

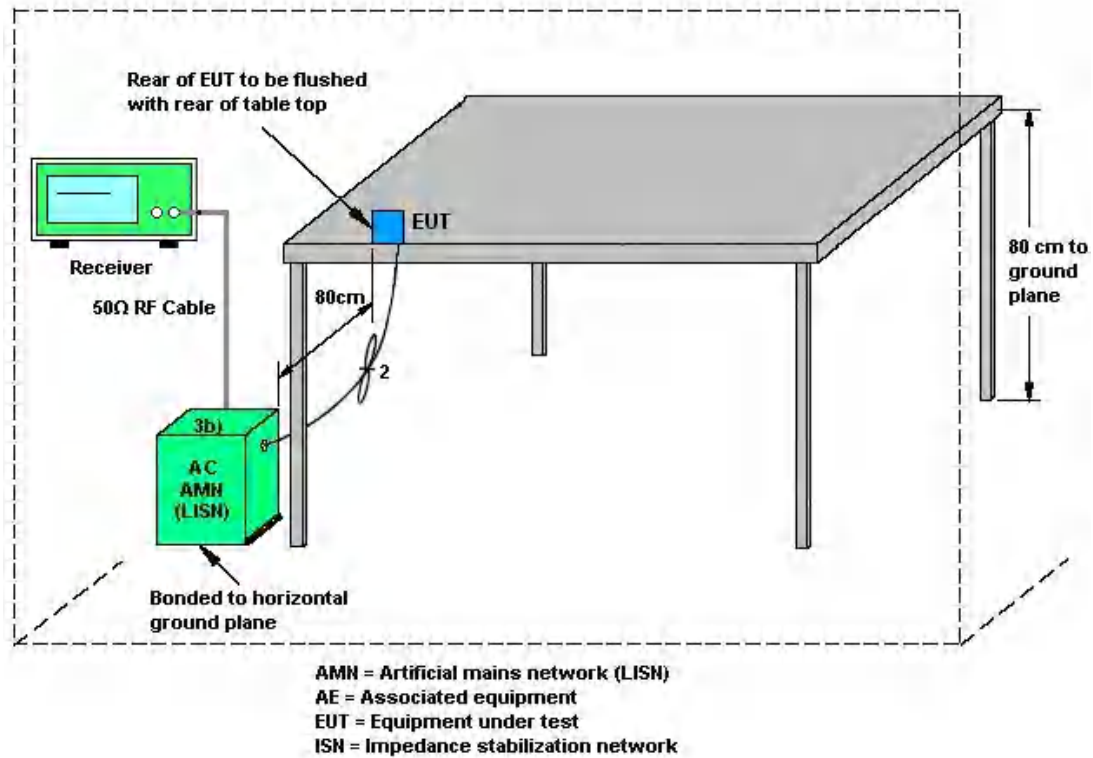
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

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



3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

According to FCC 47 CFR Section 15.407(a)(1)(2), if transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain = $10 \log(\text{NANT}/\text{NSS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

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

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain GANT is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

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

<CDD Modes>						
	Ant. 1	Ant. 2	DG	DG	Power	PSD
	(dBi)	(dBi)	for	for	Limit	Limit
			Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
UNII-1	-0.90	-0.90	-0.90	2.11	0.00	0.00
UNII-2A	-1.40	-1.40	-1.40	1.61	0.00	0.00
UNII-2C	-0.30	-0.30	-0.30	2.71	0.00	0.00
UNII-3	0.40	0.40	0.40	3.41	0.00	0.00

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

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, (min = 0)



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 06, 2023	Jan. 19, 2024~ Jan. 26, 2024	Apr. 05, 2024	Conducted (TH01-SZ)
Pulse Power Sensor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 29, 2023	Jan. 19, 2024~ Jan. 26, 2024	Dec. 28, 2024	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Aug. 21, 2023	Jan. 19, 2024~ Jan. 26, 2024	Aug. 20, 2024	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 18, 2023	Jan. 18, 2024~ Feb. 27, 2024	Oct. 17, 2024	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 07, 2023	Jan. 18, 2024~ Feb. 27, 2024	Jul. 06, 2024	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 28, 2022	Jan. 18, 2024~ Feb. 27, 2024	Jun. 27, 2024	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	May 14, 2023	Jan. 18, 2024~ Feb. 27, 2024	May 13, 2024	Radiation (03CH04-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1474	1GHz~18GHz	Jul. 07, 2023	Jan. 18, 2024~ Feb. 27, 2024	Jul. 06, 2024	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 08, 2023	Jan. 18, 2024~ Feb. 27, 2024	Jul. 07, 2024	Radiation (03CH04-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz~3000MHz	Oct. 18, 2023	Jan. 18, 2024~ Feb. 27, 2024	Oct. 17, 2024	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 18, 2023	Jan. 18, 2024~ Feb. 27, 2024	Oct. 17, 2024	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 07, 2023	Jan. 18, 2024~ Feb. 27, 2024	Jul. 06, 2024	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY57280136	500MHz~26.5GHz	Aug. 21, 2023	Jan. 18, 2024~ Feb. 27, 2024	Aug. 20, 2024	Radiation (03CH04-SZ)
AC Power Source	APC	AFV-S-600B	F119050019	N/A	Oct. 18, 2023	Jan. 18, 2024~ Feb. 27, 2024	Oct. 17, 2024	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jan. 18, 2024~ Feb. 27, 2024	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jan. 18, 2024~ Feb. 27, 2024	NCR	Radiation (03CH04-SZ)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	May 16, 2023	Jan. 09, 2024	May 15, 2024	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 11, 2023	Jan. 09, 2024	Oct. 10, 2024	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	May 16, 2023	Jan. 09, 2024	May 15, 2024	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 11, 2023	Jan. 09, 2024	Oct. 10, 2024	Conduction (CO01-KS)

NCR: No Calibration Required



5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±1.34 dB
Occupied Channel Bandwidth	±0.1%
Conducted Power	±1.34 dB
Conducted Power Spectral Density	±1.32 dB
Frequency	±1.3 Hz

Uncertainty of AC Conducted Emission Measurement (0.15 MHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.84 dB
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Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.8 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.8 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

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



Appendix A. Conducted Test Results

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Ma Jie	Temperature:	21~25	°C
Test Date:	2024/1/19~2024/1/26	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	36	5180	16.38	16.38	18.66	18.78	
11a	6Mbps	2	44	5220	16.38	16.38	18.66	18.60	
11a	6Mbps	2	48	5240	16.38	16.38	18.60	18.60	
VHT20	MCS0	2	36	5180	17.53	17.58	19.74	19.74	
VHT20	MCS0	2	44	5220	17.53	17.58	19.74	19.80	
VHT20	MCS0	2	48	5240	17.53	17.53	19.80	19.74	
VHT40	MCS0	2	38	5190	36.26	36.36	45.84	73.92	
VHT40	MCS0	2	46	5230	36.16	36.26	43.44	72.84	
VHT80	MCS0	2	42	5210	76.84	76.72	88.80	87.84	
HE20	MCS0	2	36	5180	18.88	18.80	20.58	20.58	
HE20	MCS0	2	44	5220	18.88	18.88	20.58	20.58	
HE20	MCS0	2	48	5240	18.88	18.93	20.52	20.52	
HE40	MCS0	2	38	5190	37.76	37.86	56.14	56.64	
HE40	MCS0	2	46	5230	37.76	37.76	56.04	58.92	
HE80	MCS0	2	42	5210	77.44	77.32	84.72	86.40	

TEST RESULTS DATA
Average Power Table

FCC U-NII-1															
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	36	Full	5180	0.34	0.34	16.62	16.46	19.55	24.00		-0.90		Pass
11a	6Mbps	2	44	Full	5220	0.34	0.34	16.60	17.00	19.82	24.00		-0.90		Pass
11a	6Mbps	2	48	Full	5240	0.34	0.34	16.56	16.49	19.54	24.00		-0.90		Pass
HT20	MCS0	2	36	Full	5180	0.35	0.35	16.46	17.00	19.75	24.00		-0.90		Pass
HT20	MCS0	2	44	Full	5220	0.35	0.35	16.44	16.96	19.72	24.00		-0.90		Pass
HT20	MCS0	2	48	Full	5240	0.35	0.35	16.36	16.88	19.64	24.00		-0.90		Pass
HT40	MCS0	2	38	Full	5190	0.63	0.63	15.50	15.95	18.74	24.00		-0.90		Pass
HT40	MCS0	2	46	Full	5230	0.63	0.63	17.85	18.20	21.04	24.00		-0.90		Pass
VHT20	MCS0	2	36	Full	5180	0.35	0.35	16.57	17.13	19.87	24.00		-0.90		Pass
VHT20	MCS0	2	44	Full	5220	0.35	0.35	16.53	17.08	19.82	24.00		-0.90		Pass
VHT20	MCS0	2	48	Full	5240	0.35	0.35	16.44	17.00	19.74	24.00		-0.90		Pass
VHT40	MCS0	2	38	Full	5190	0.62	0.62	15.59	16.04	18.83	24.00		-0.90		Pass
VHT40	MCS0	2	46	Full	5230	0.62	0.62	17.94	18.29	21.13	24.00		-0.90		Pass
VHT80	MCS0	2	42	Full	5210	1.02	1.02	15.44	15.77	18.62	24.00		-0.90		Pass
HE20	MCS0	2	36	Full	5180	0.42	0.42	16.71	17.30	20.02	24.00		-0.90		Pass
				26/0		0.42	0.42	5.71	8.12	10.09	24.00		-0.90		Pass
				52/37		0.42	0.42	8.98	10.31	12.71	24.00		-0.90		Pass
				106/53		0.42	0.42	11.68	12.61	15.18	24.00		-0.90		Pass
			48	Full	5240	0.42	0.42	16.58	17.19	19.90	24.00		-0.90		Pass
				Full		0.42	0.42	16.55	17.17	19.88	24.00		-0.90		Pass
				26/8		0.42	0.42	5.43	8.01	9.92	24.00		-0.90		Pass
				52/40		0.42	0.42	8.81	10.18	12.56	24.00		-0.90		Pass
				106/54		0.42	0.42	11.52	12.53	15.06	24.00		-0.90		Pass
				Full		0.67	0.67	15.48	15.90	18.70	24.00		-0.90		Pass
HE40	MCS0	2	38	Full	5190	0.67	0.67	15.48	15.90	18.70	24.00		-0.90		Pass
HE40	MCS0	2	46	Full	5230	0.67	0.67	18.26	18.70	21.50	24.00		-0.90		Pass
HE80	MCS0	2	42	Full	5210	0.95	0.95	14.70	14.96	17.84	24.00		-0.90		Pass

Power Setting
patha=30
patha=30
patha=30
patha=30
patha=30
patha=30
patha=40
patha=25
patha=30
patha=30
patha=30
patha=40
patha=25
patha=40
patha=30
patha=100
patha=80
patha=60
patha=30
patha=30
patha=100
patha=80
patha=60
patha=40
patha=20
patha=45

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1																
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	36	Full	5180	0.34	0.34			7.55	11.00		2.11		Pass	
11a	6Mbps	2	44	Full	5220	0.34	0.34			7.37	11.00		2.11		Pass	
11a	6Mbps	2	48	Full	5240	0.34	0.34			7.38	11.00		2.11		Pass	
VHT20	MCS0	2	36	Full	5180	0.35	0.35			7.36	11.00		2.11		Pass	
VHT20	MCS0	2	44	Full	5220	0.35	0.35			7.14	11.00		2.11		Pass	
VHT20	MCS0	2	48	Full	5240	0.35	0.35			7.15	11.00		2.11		Pass	
VHT40	MCS0	2	38	Full	5190	0.63	0.63			7.49	11.00		2.11		Pass	
VHT40	MCS0	2	46	Full	5230	0.63	0.63			7.48	11.00		2.11		Pass	
VHT80	MCS0	2	42	Full	5210	1.02	1.02			4.70	11.00		2.11		Pass	
HE20	MCS0	2	36	Full	5180	0.42	0.42			7.14	11.00		2.11		Pass	
				26/0		0.42	0.42			6.85	11.00		2.11		Pass	
				52/37		0.42	0.42			7.00	11.00		2.11		Pass	
				106/53		0.42	0.42			6.62	11.00		2.11		Pass	
HE20	MCS0	2	44	Full	5220	0.42	0.42			7.10	11.00		2.11		Pass	
HE20	MCS0	2	48	Full	5240	0.42	0.42			6.95	11.00		2.11		Pass	
				26/8		0.42	0.42			6.91	11.00		2.11		Pass	
				52/40		0.42	0.42		6.86	11.00		2.11	Pass			
				106/54		0.42	0.42		6.77	11.00		2.11	Pass			
HE40	MCS0	2	38	Full	5190	0.67	0.67		7.34	11.00		2.11	Pass			
HE40	MCS0	2	46	Full	5230	0.67	0.67		7.27	11.00		2.11	Pass			
HE80	MCS0	2	42	Full	5210	0.95	0.95		4.76	11.00		2.11	Pass			

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	52	5260	16.43	16.53	18.78	23.40	23.74		
11a	6Mbps	2	60	5300	16.43	16.48	18.84	23.88	23.75		
11a	6Mbps	2	64	5320	16.43	16.48	18.72	29.28	23.72		
VHT20	MCS0	2	52	5260	17.53	17.68	19.80	25.38	23.97		
VHT20	MCS0	2	60	5300	17.58	17.68	19.86	26.40	23.98		
VHT20	MCS0	2	64	5320	17.58	17.68	19.86	23.04	23.98		
VHT40	MCS0	2	54	5270	36.16	36.36	50.52	74.64	23.98		
VHT40	MCS0	2	62	5310	36.26	36.36	50.28	74.52	23.98		
VHT80	MCS0	2	58	5290	76.96	76.72	88.32	141.80	23.98		
HE20	MCS0	2	52	5260	18.93	18.93	20.58	20.52	23.98		
HE20	MCS0	2	60	5300	18.93	18.98	20.58	20.58	23.98		
HE20	MCS0	2	64	5320	18.88	18.98	20.58	20.52	23.98		
HE40	MCS0	2	54	5270	37.76	38.06	56.40	61.32	23.98		
HE40	MCS0	2	62	5310	37.76	38.06	56.52	73.56	23.98		
HE80	MCS0	2	58	5290	77.44	77.20	84.48	84.00	23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II																
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	52	Full	5260	0.34	0.34	18.73	19.42	22.10	23.74		-1.40	30	Pass	
11a	6Mbps	2	60	Full	5300	0.34	0.34	18.03	18.90	21.50	23.75		-1.40	30	Pass	
11a	6Mbps	2	64	Full	5320	0.34	0.34	17.37	18.32	20.88	23.72		-1.40	30	Pass	
HT20	MCS0	2	52	Full	5260	0.35	0.35	17.81	18.61	21.24	23.97		-1.40	30	Pass	
HT20	MCS0	2	60	Full	5300	0.35	0.35	17.16	18.03	20.63	23.98		-1.40	30	Pass	
HT20	MCS0	2	64	Full	5320	0.35	0.35	16.41	17.28	19.88	23.98		-1.40	30	Pass	
HT40	MCS0	2	54	Full	5270	0.63	0.63	18.57	19.39	22.01	23.98		-1.40	30	Pass	
HT40	MCS0	2	62	Full	5310	0.63	0.63	13.96	14.75	17.39	23.98		-1.40	30	Pass	
VHT20	MCS0	2	52	Full	5260	0.35	0.35	17.91	18.71	21.33	23.97		-1.40	30	Pass	
VHT20	MCS0	2	60	Full	5300	0.35	0.35	17.26	18.13	20.72	23.98		-1.40	30	Pass	
VHT20	MCS0	2	64	Full	5320	0.35	0.35	16.51	17.38	19.97	23.98		-1.40	30	Pass	
VHT40	MCS0	2	54	Full	5270	0.62	0.62	18.66	19.48	22.10	23.98		-1.40	30	Pass	
VHT40	MCS0	2	62	Full	5310	0.62	0.62	14.05	14.84	17.47	23.98		-1.40	30	Pass	
VHT80	MCS0	2	58	Full	5290	1.02	1.02	14.28	15.15	17.74	23.98		-1.40	30	Pass	
HE20	MCS0	2	52	Full	5260	0.42	0.42	18.68	19.55	22.14	23.98		-1.40	30	Pass	
				26/0		0.42	0.42	8.10	9.90	12.10	23.98		-1.40	30	Pass	
				52/37		0.42	0.42	10.74	12.28	14.59	23.98		-1.40	30	Pass	
				106/53		0.42	0.42	13.40	14.68	17.10	23.98		-1.40	30	Pass	
			64	Full	5320	0.42	0.42	18.50	19.45	22.01	23.98		-1.40	30	Pass	
				Full		0.42	0.42	16.88	18.71	20.90	23.98		-1.40	30	Pass	
				26/8		0.42	0.42	7.28	8.90	11.18	23.98		-1.40	30	Pass	
				52/40		0.42	0.42	9.93	11.23	13.64	23.98		-1.40	30	Pass	
			106/54			0.42	0.42	12.65	13.63	16.18	23.98		-1.40	30	Pass	
HE40	MCS0	2	54	Full	5270	0.67	0.67	18.58	19.54	22.10	23.98		-1.40	30	Pass	
			62	Full	5310	0.67	0.67	15.10	15.98	18.57	23.98		-1.40	30	Pass	
HE80	MCS0	2	58	Full	5290	0.95	0.95	13.70	14.70	17.24	23.98		-1.40	30	Pass	

Power Setting
patha=15
patha=20
patha=25
patha=20
patha=25
patha=30
patha=15
patha=45
patha=20
patha=25
patha=30
patha=15
patha=45
patha=45
patha=15
patha=80
patha=60
patha=40
patha=15
patha=20
patha=85
patha=65
patha=45
patha=15
patha=40
patha=50

TEST RESULTS DATA
Power Spectral Density

U-NII-2A																
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	52	Full	5260	0.34	0.34			10.90	11.00		1.61		Pass	
11a	6Mbps	2	60	Full	5300	0.34	0.34			10.91	11.00		1.61		Pass	
11a	6Mbps	2	64	Full	5320	0.34	0.34			10.79	11.00		1.61		Pass	
VHT20	MCS0	2	52	Full	5260	0.35	0.35			10.55	11.00		1.61		Pass	
VHT20	MCS0	2	60	Full	5300	0.35	0.35			10.51	11.00		1.61		Pass	
VHT20	MCS0	2	64	Full	5320	0.35	0.35			10.38	11.00		1.61		Pass	
VHT40	MCS0	2	54	Full	5270	0.63	0.63			7.82	11.00		1.61		Pass	
VHT40	MCS0	2	62	Full	5310	0.63	0.63			7.80	11.00		1.61		Pass	
VHT80	MCS0	2	58	Full	5290	1.02	1.02			4.94	11.00		1.61		Pass	
HE20	MCS0	2	52	Full	5260	0.42	0.42			9.14	11.00		1.61		Pass	
				26/0		0.42	0.42			9.10	11.00		1.61		Pass	
				52/37		0.42	0.42			9.04	11.00		1.61		Pass	
				106/53		0.42	0.42			8.62	11.00		1.61		Pass	
HE20	MCS0	2	60	Full	5300	0.42	0.42			9.10	11.00		1.61		Pass	
HE20	MCS0	2	64	Full	5320	0.42	0.42			8.39	11.00		1.61		Pass	
				26/8		0.42	0.42			8.18	11.00		1.61		Pass	
				52/40		0.42	0.42		8.12	11.00		1.61	Pass			
				106/54		0.42	0.42		7.70	11.00		1.61	Pass			
HE40	MCS0	2	54	Full	5270	0.67	0.67		7.75	11.00		1.61	Pass			
HE40	MCS0	2	62	Full	5310	0.67	0.67		7.66	11.00		1.61	Pass			
HE80	MCS0	2	58	Full	5290	0.95	0.95		5.05	11.00		1.61	Pass			

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	100	5500	16.43	16.73	22.32	34.54	23.98		
11a	6Mbps	2	116	5580	16.48	17.43	22.38	34.86	23.98		
11a	6Mbps	2	140	5700	16.48	16.98	22.62	34.94	23.98		
11a	6Mbps	2	144	5720	16.53	17.38	24.00	34.74	23.98		
VHT20	MCS0	2	100	5500	17.63	18.03	19.86	35.34	23.98		
VHT20	MCS0	2	116	5580	17.68	17.93	27.96	36.98	23.98		
VHT20	MCS0	2	140	5700	17.58	17.88	19.92	32.35	23.98		
VHT20	MCS0	2	144	5720	17.83	17.88	34.48	32.48	23.98		
VHT40	MCS0	2	102	5510	36.26	36.96	58.32	79.92	23.98		
VHT40	MCS0	2	110	5550	36.26	36.76	58.32	76.08	23.98		
VHT40	MCS0	2	134	5670	36.16	40.96	70.80	78.48	23.98		
VHT40	MCS0	2	142	5710	36.26	45.65	73.56	81.84	23.98		
VHT80	MCS0	2	106	5530	77.08	76.84	89.04	137.00	23.98		
VHT80	MCS0	2	122	5610	76.96	76.84	88.08	120.69	23.98		
VHT80	MCS0	2	138	5690	76.84	76.96	107.87	143.24	23.98		
HE20	MCS0	2	100	5500	18.93	19.03	20.58	30.35	23.98		
HE20	MCS0	2	116	5580	18.93	19.08	20.52	30.80	23.98		
HE20	MCS0	2	140	5700	18.93	19.08	20.52	31.30	23.98		
HE20	MCS0	2	144	5720	18.93	19.03	20.52	30.32	23.98		
HE40	MCS0	2	102	5510	37.76	38.56	56.52	75.36	23.98		
HE40	MCS0	2	110	5550	37.76	38.36	56.64	75.24	23.98		
HE40	MCS0	2	134	5670	37.86	39.26	56.40	75.96	23.98		
HE40	MCS0	2	142	5710	37.76	39.86	56.88	75.60	23.98		
HE80	MCS0	2	106	5530	77.44	77.32	87.12	140.64	23.98		
HE80	MCS0	2	122	5610	77.44	77.32	84.96	140.76	23.98		
HE80	MCS0	2	138	5690	77.44	77.32	87.12	141.04	23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C																	
Mod.	Data Rate	NTX	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail	Power Setting
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1			
11a	6Mbps	2	100	Full	5500	0.34	0.34	17.90	18.57	21.26	23.98		-0.30	30	Pass	patha=15	
11a	6Mbps	2	116	Full	5580	0.34	0.34	19.20	20.09	22.68	23.98		-0.30	30	Pass	patha=5	
11a	6Mbps	2	140	Full	5700	0.34	0.34	16.56	17.16	19.88	23.98		-0.30	30	Pass	patha=25	
11a	6Mbps	2	144	Full	5720	0.34	0.34	19.40	20.10	22.78	23.98		-0.30	30	Pass	patha=5	
HT20	MCS0	2	100	Full	5500	0.35	0.35	18.93	19.70	22.34	23.98		-0.30	30	Pass	patha=5	
HT20	MCS0	2	116	Full	5580	0.35	0.35	19.61	20.44	23.05	23.98		-0.30	30	Pass	patha=0	
HT20	MCS0	2	140	Full	5700	0.35	0.35	17.94	18.54	21.26	23.98		-0.30	30	Pass	patha=15	
HT20	MCS0	2	144	Full	5720	0.35	0.35	19.80	20.32	23.08	23.98		-0.30	30	Pass	patha=0	
HT40	MCS0	2	102	Full	5510	0.63	0.63	14.66	15.56	18.15	23.98		-0.30	30	Pass	patha=35	
HT40	MCS0	2	110	Full	5550	0.63	0.63	13.26	14.14	16.74	23.98		-0.30	30	Pass	patha=45	
HT40	MCS0	2	134	Full	5670	0.63	0.63	16.09	17.15	19.67	23.98		-0.30	30	Pass	patha=25	
HT40	MCS0	2	142	Full	5710	0.63	0.63	19.76	20.86	23.36	23.98		-0.30	30	Pass	patha=0	
VHT20	MCS0	2	100	Full	5500	0.35	0.35	19.03	19.80	22.44	23.98		-0.30	30	Pass	patha=5	
VHT20	MCS0	2	116	Full	5580	0.35	0.35	19.71	20.54	23.15	23.98		-0.30	30	Pass	patha=0	
VHT20	MCS0	2	140	Full	5700	0.35	0.35	18.04	18.64	21.36	23.98		-0.30	30	Pass	patha=15	
VHT20	MCS0	2	144	Full	5720	0.35	0.35	19.90	20.42	23.17	23.98		-0.30	30	Pass	patha=0	
VHT40	MCS0	2	102	Full	5510	0.62	0.62	14.75	15.65	18.23	23.98		-0.30	30	Pass	patha=35	
VHT40	MCS0	2	110	Full	5550	0.62	0.62	13.35	14.23	16.82	23.98		-0.30	30	Pass	patha=45	
VHT40	MCS0	2	134	Full	5670	0.62	0.62	16.18	17.24	19.75	23.98		-0.30	30	Pass	patha=25	
VHT40	MCS0	2	142	Full	5710	0.62	0.62	19.85	20.95	23.44	23.98		-0.30	30	Pass	patha=0	
VHT80	MCS0	2	106	Full	5530	1.02	1.02	14.17	14.88	17.55	23.98		-0.30	30	Pass	patha=40	
VHT80	MCS0	2	122	Full	5610	1.02	1.02	18.24	19.17	21.74	23.98		-0.30	30	Pass	patha=10	
VHT80	MCS0	2	138	Full	5690	1.02	1.02	19.67	20.46	23.09	23.98		-0.30	30	Pass	patha=0	
HE20	MCS0	2	100	Full	5500	0.42	0.42	17.31	17.98	20.66	23.98		-0.30	30	Pass	patha=20	
				26/0		0.42	0.42	7.11	8.20	10.70	23.98		-0.30	30	Pass	patha=85	
				52/37		0.42	0.42	10.00	10.70	13.37	23.98		-0.30	30	Pass	patha=65	
				106/53		0.42	0.42	12.58	13.11	15.86	23.98		-0.30	30	Pass	patha=45	
			116	Full	5580	0.42	0.42	19.68	20.59	23.17	23.98		-0.30	30	Pass	patha=0	
				Full		0.42	0.42	16.20	16.84	19.54	23.98		-0.30	30	Pass	patha=25	
				26/8		0.42	0.42	5.54	7.33	9.54	23.98		-0.30	30	Pass	patha=90	
				52/40		0.42	0.42	8.54	9.80	12.23	23.98		-0.30	30	Pass	patha=70	
			140	Full	5700	0.42	0.42	11.20	12.14	14.71	23.98		-0.30	30	Pass	patha=50	
				Full		0.42	0.42	19.82	20.61	23.24	23.98		-0.30	30	Pass	patha=0	
				26/8		0.42	0.42	9.11	10.62	12.94	23.98		-0.30	30	Pass	patha=70	
				52/40		0.42	0.42	11.75	13.08	15.48	23.98		-0.30	30	Pass	patha=50	
			144	Full	5720	0.42	0.42	15.02	16.09	18.60	23.98		-0.30	30	Pass	patha=25	
				Full		0.42	0.42	19.82	20.61	23.24	23.98		-0.30	30	Pass	patha=35	
				26/8		0.67	0.67	14.80	15.63	18.24	23.98		-0.30	30	Pass	patha=40	
				110		Full	5550	0.67	0.67	14.08	14.90	17.52	23.98		-0.30	30	Pass
HE40	MCS0	2	134	Full	5670	0.67	0.67	16.86	17.88	20.41	23.98		-0.30	30	Pass	patha=0	
			142	Full	5710	0.67	0.67	19.77	20.89	23.38	23.98		-0.30	30	Pass	patha=40	
HE80	MCS0	2	106	Full	5530	0.95	0.95	14.11	14.81	17.48	23.98		-0.30	30	Pass	patha=10	
			122	Full	5610	0.95	0.95	18.51	19.50	22.04	23.98		-0.30	30	Pass	patha=0	
			138	Full	5690	0.95	0.95	19.80	20.63	23.24	23.98		-0.30	30	Pass		

Power Setting
patha=15
patha=5
patha=25
patha=5
patha=5
patha=0
patha=15
patha=0
patha=35
patha=45
patha=25
patha=0
patha=5
patha=0
patha=15
patha=0
patha=35
patha=45
patha=25
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patha=70
patha=50
patha=0
patha=70
patha=50
patha=25
patha=35
patha=40
patha=20
patha=0
patha=40
patha=10
patha=0

TEST RESULTS DATA
Power Spectral Density

U-NII-2C																
Mod.	Data Rate	NTX	CH.		Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	100	Full	5500	0.34	0.34			10.82	11.00		2.71		Pass	
11a	6Mbps	2	116	Full	5580	0.34	0.34			10.82	11.00		2.71		Pass	
11a	6Mbps	2	140	Full	5700	0.34	0.34			10.35	11.00		2.71		Pass	
VHT20	MCS0	2	116	Full	5580	0.35	0.35			10.61	11.00		2.71		Pass	
VHT20	MCS0	2	140	Full	5700	0.35	0.35			10.12	11.00		2.71		Pass	
VHT20	MCS0	2	144	Full	5720	0.35	0.35			10.24	11.00		2.71		Pass	
VHT40	MCS0	2	102	Full	5510	0.63	0.63			7.72	11.00		2.71		Pass	
VHT40	MCS0	2	110	Full	5550	0.63	0.63			7.64	11.00		2.71		Pass	
VHT40	MCS0	2	134	Full	5670	0.63	0.63			7.64	11.00		2.71		Pass	
VHT40	MCS0	2	142	Full	5710	0.63	0.63			7.69	11.00		2.71		Pass	
VHT80	MCS0	2	106	Full	5530	1.02	1.02			4.70	11.00		2.71		Pass	
VHT80	MCS0	2	122	Full	5610	1.02	1.02			5.01	11.00		2.71		Pass	
VHT80	MCS0	2	138	Full	5690	1.02	1.02			4.81	11.00		2.71		Pass	
HE20	MCS0	2	100	Full	5500	0.42	0.42			8.18	11.00		2.71		Pass	
				26/0		0.42	0.42			7.96	11.00		2.71		Pass	
				52/37		0.42	0.42			7.95	11.00		2.71		Pass	
				106/53		0.42	0.42			7.63	11.00		2.71		Pass	
HE20	MCS0	2	116	Full	5580	0.42	0.42			10.15	11.00		2.71		Pass	
HE20	MCS0	2	140	Full	5700	0.42	0.42			6.99	11.00		2.71		Pass	
				26/8		0.42	0.42			6.53	11.00		2.71		Pass	
				52/40		0.42	0.42		6.53	11.00		2.71	Pass			
				106/54		0.42	0.42		6.38	11.00		2.71	Pass			
HE20	MCS0	2	144	Full	5720	0.42	0.42		10.20	11.00		2.71	Pass			
				26/8		0.42	0.42		9.72	11.00		2.71	Pass			
				52/40		0.42	0.42		9.62	11.00		2.71	Pass			
				106/54		0.42	0.42		10.13	11.00		2.71	Pass			
HE40	MCS0	2	102	Full	5510	0.67	0.67		7.59	11.00		2.71	Pass			
HE40	MCS0	2	110	Full	5550	0.67	0.67		7.49	11.00		2.71	Pass			
HE40	MCS0	2	134	Full	5670	0.67	0.67		7.52	11.00		2.71	Pass			
HE40	MCS0	2	142	Full	5710	0.67	0.67		7.45	11.00		2.71	Pass			
HE80	MCS0	2	106	Full	5530	0.95	0.95		4.80	11.00		2.71	Pass			
HE80	MCS0	2	122	Full	5610	0.95	0.95		4.89	11.00		2.71	Pass			
HE80	MCS0	2	138	Full	5690	0.95	0.95		4.97	11.00		2.71	Pass			

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

U-NII-3													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)		Pass/Fail
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	149	5745	16.53	16.83	22.80	32.64	16.15	16.45	0.5		Pass
11a	6Mbps	2	157	5785	16.48	16.73	22.68	34.62	16.40	16.45	0.5		Pass
11a	6Mbps	2	165	5825	16.48	16.73	23.82	34.14	16.40	16.40	0.5		Pass
VHT20	MCS0	2	149	5745	17.63	20.38	32.04	36.48	17.15	17.20	0.5		Pass
VHT20	MCS0	2	157	5785	17.63	18.13	32.10	36.96	17.10	17.35	0.5		Pass
VHT20	MCS0	2	165	5825	17.63	17.93	32.40	37.56	17.15	17.40	0.5		Pass
VHT40	MCS0	2	151	5755	36.26	41.26	50.79	80.28	35.37	35.28	0.5		Pass
VHT40	MCS0	2	159	5795	36.36	41.76	49.06	75.89	35.37	35.28	0.5		Pass
VHT80	MCS0	2	155	5775	76.84	76.96	98.88	97.68	76.64	76.64	0.5		Pass
HE20	MCS0	2	149	5745	18.93	19.08	20.52	32.34	18.10	18.20	0.5		Pass
HE20	MCS0	2	157	5785	18.88	19.08	20.52	33.90	18.15	18.15	0.5		Pass
HE20	MCS0	2	165	5825	18.93	19.03	20.52	33.60	18.20	18.25	0.5		Pass
HE40	MCS0	2	151	5755	37.86	42.86	55.20	63.57	37.71	37.80	0.5		Pass
HE40	MCS0	2	159	5795	37.86	40.66	55.08	63.77	37.71	37.80	0.5		Pass
HE80	MCS0	2	155	5775	77.32	77.44	82.08	82.32	77.76	77.92	0.5		Pass

TEST RESULTS DATA
Average Power Table

U-NII-3																
Mod.	Data Rate	NTx	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail	Power Setting
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	149	Full	5745	0.34	0.34	18.37	19.38	21.92	30.00		0.40		Pass	patha=10
11a	6Mbps	2	157	Full	5785	0.34	0.34	18.53	19.42	22.01	30.00		0.40		Pass	patha=10
11a	6Mbps	2	165	Full	5825	0.34	0.34	18.50	19.41	21.99	30.00		0.40		Pass	patha=10
HT20	MCS0	2	149	Full	5745	0.35	0.35	19.54	20.35	22.97	30.00		0.40		Pass	patha=0
HT20	MCS0	2	157	Full	5785	0.35	0.35	19.55	20.68	23.16	30.00		0.40		Pass	patha=0
HT20	MCS0	2	165	Full	5825	0.35	0.35	19.00	19.97	22.52	30.00		0.40		Pass	patha=5
HT40	MCS0	2	151	Full	5755	0.63	0.63	19.58	20.99	23.36	30.00		0.40		Pass	patha=0
HT40	MCS0	2	159	Full	5795	0.63	0.63	19.56	21.02	23.36	30.00		0.40		Pass	patha=0
VHT20	MCS0	2	149	Full	5745	0.35	0.35	19.60	20.39	23.02	30.00		0.40		Pass	patha=0
VHT20	MCS0	2	157	Full	5785	0.35	0.35	19.64	20.73	23.23	30.00		0.40		Pass	patha=0
VHT20	MCS0	2	165	Full	5825	0.35	0.35	19.10	20.07	22.62	30.00		0.40		Pass	patha=5
VHT40	MCS0	2	151	Full	5755	0.62	0.62	19.64	21.04	23.41	30.00		0.40		Pass	patha=0
VHT40	MCS0	2	159	Full	5795	0.62	0.62	19.61	21.08	23.42	30.00		0.40		Pass	patha=0
VHT80	MCS0	2	155	Full	5775	1.02	1.02	19.61	20.90	23.31	30.00		0.40		Pass	patha=0
HE20	MCS0	2	149	Full	5745	0.42	0.42	19.58	20.55	23.10	30.00		0.40		Pass	patha=0
HE20	MCS0	2	149	26/0	5745	0.42	0.42	9.47	10.82	13.21	30.00		0.40		Pass	patha=70
HE20	MCS0	2	149	52/37	5745	0.42	0.42	12.26	13.81	16.11	30.00		0.40		Pass	patha=45
HE20	MCS0	2	149	106/53	5745	0.42	0.42	14.85	15.96	18.45	30.00		0.40		Pass	patha=25
HE20	MCS0	2	157	Full	5785	0.42	0.42	19.66	20.56	23.14	30.00		0.40		Pass	patha=0
HE20	MCS0	2	165	Full	5825	0.42	0.42	19.62	20.61	23.15	30.00		0.40		Pass	patha=0
HE20	MCS0	2	165	26/8	5825	0.42	0.42	9.06	10.43	12.81	30.00		0.40		Pass	patha=70
HE20	MCS0	2	165	52/40	5825	0.42	0.42	12.03	13.78	16.00	30.00		0.40		Pass	patha=45
HE20	MCS0	2	165	106/54	5825	0.42	0.42	14.67	15.88	18.33	30.00		0.40		Pass	patha=25
HE40	MCS0	2	151	Full	5755	0.67	0.67	19.63	20.79	23.26	30.00		0.40		Pass	patha=0
HE40	MCS0	2	159	Full	5795	0.67	0.67	19.66	20.96	23.37	30.00		0.40		Pass	patha=0
HE80	MCS0	2	155	Full	5775	0.95	0.95	19.56	20.86	23.27	30.00		0.40		Pass	patha=0

Power Setting
patha=10
patha=10
patha=10
patha=0
patha=0
patha=0
patha=5
patha=0
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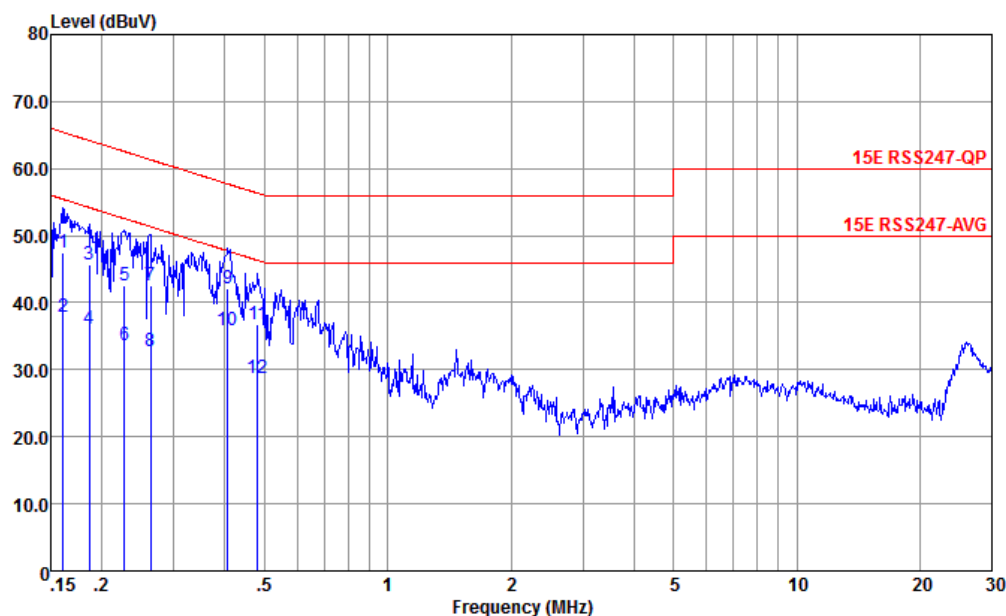
TEST RESULTS DATA
Power Spectral Density

U-NII-3																	
Mod.	Data Rate	NTx	CH.	RU Config	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Worst+3.01	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	149	Full	5745	0.34	0.34	2.22		4.25	5.72	8.73	30.00		3.41	Pass	
11a	6Mbps	2	157	Full	5785	0.34	0.34	2.22		4.42	5.62	8.63	30.00		3.41	Pass	
11a	6Mbps	2	165	Full	5825	0.34	0.34	2.22		4.62	5.68	8.69	30.00		3.41	Pass	
VHT20	MCS0	2	149	Full	5745	0.35	0.35	2.22		4.02	5.21	8.22	30.00		3.41	Pass	
VHT20	MCS0	2	157	Full	5785	0.35	0.35	2.22		4.26	5.75	8.76	30.00		3.41	Pass	
VHT20	MCS0	2	165	Full	5825	0.35	0.35	2.22		4.36	5.70	8.71	30.00		3.41	Pass	
VHT40	MCS0	2	151	Full	5755	0.62	0.62	2.22		1.56	3.52	6.53	30.00		3.41	Pass	
VHT40	MCS0	2	159	Full	5795	0.62	0.62	2.22		1.85	3.63	6.64	30.00		3.41	Pass	
VHT80	MCS0	2	155	Full	5775	1.02	1.02	2.22		-0.66	0.93	3.94	30.00		3.41	Pass	
HE20	MCS0	2	149	Full	5745	0.42	0.42	2.22		4.00	5.56	8.57	30.00		3.41	Pass	
HE20	MCS0	2	149	26/0	5745	0.42	0.42	2.22		3.93	5.25	8.26	30.00		3.41	Pass	
HE20	MCS0	2	149	52/37	5745	0.42	0.42	2.22		3.54	5.25	8.26	30.00		3.41	Pass	
HE20	MCS0	2	149	106/53	5745	0.42	0.42	2.22		3.58	5.19	8.20	30.00		3.41	Pass	
HE20	MCS0	2	157	Full	5785	0.42	0.42	2.22		4.45	5.31	8.32	30.00		3.41	Pass	
HE20	MCS0	2	165	Full	5825	0.42	0.42	2.22		4.24	5.51	8.52	30.00		3.41	Pass	
HE20	MCS0	2	165	26/8	5825	0.42	0.42	2.22		3.26	4.90	7.91	30.00		3.41	Pass	
HE20	MCS0	2	165	52/40	5825	0.42	0.42	2.22		3.82	5.38	8.39	30.00		3.41	Pass	
HE20	MCS0	2	165	106/54	5825	0.42	0.42	2.22		3.64	4.66	7.67	30.00		3.41	Pass	
HE40	MCS0	2	151	Full	5755	0.67	0.67	2.22		1.52	3.50	6.51	30.00		3.41	Pass	
HE40	MCS0	2	159	Full	5795	0.67	0.67	2.22		1.51	3.37	6.38	30.00		3.41	Pass	
HE80	MCS0	2	155	Full	5775	0.95	0.00	2.22		-0.81	-0.14	2.87	30.00		3.41	Pass	



Appendix B. AC Conducted Emission Test Results

Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

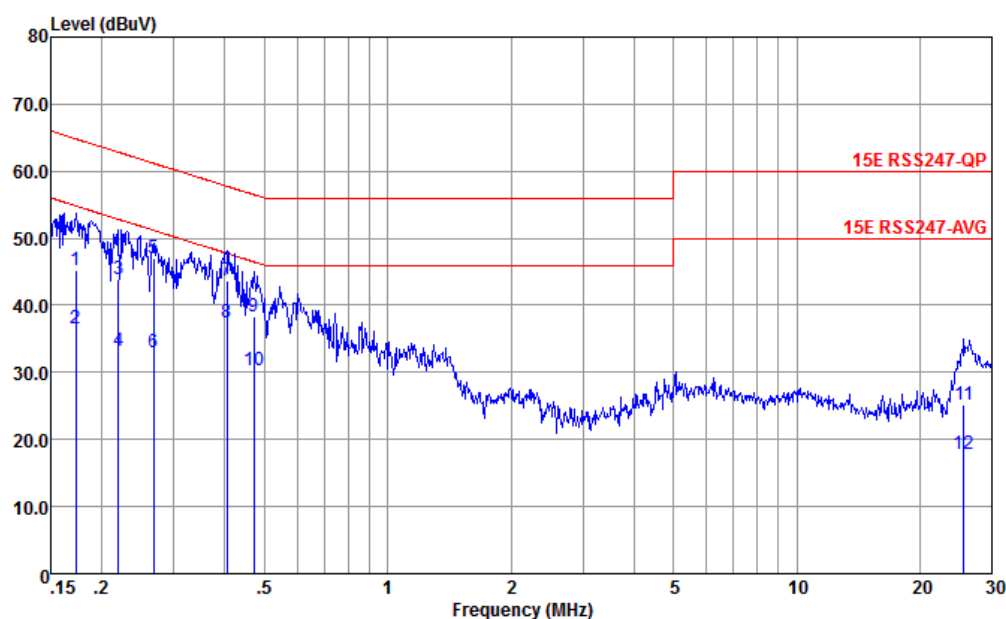


Site : CO01-KS
Condition : 15E RSS247-QP LISN-060105-L 2023 LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.161	47.36	-18.07	65.43	36.89	0.05	10.42	QP
2	0.161	37.96	-17.47	55.43	27.49	0.05	10.42	Average
3	0.186	45.65	-18.55	64.20	35.21	0.03	10.41	QP
4	0.186	36.05	-18.15	54.20	25.61	0.03	10.41	Average
5	0.227	42.62	-19.95	62.57	32.20	0.03	10.39	QP
6	0.227	33.72	-18.85	52.57	23.30	0.03	10.39	Average
7	0.263	42.50	-18.84	61.34	32.10	0.04	10.36	QP
8	0.263	32.70	-18.64	51.34	22.30	0.04	10.36	Average
9	0.406	42.17	-15.56	57.73	31.89	0.00	10.28	QP
10 *	0.406	35.77	-11.96	47.73	25.49	0.00	10.28	Average
11	0.481	36.80	-19.52	56.32	26.60	-0.03	10.23	QP
12	0.481	28.80	-17.52	46.32	18.60	-0.03	10.23	Average



Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : 15E RSS247-QP LISN-060105-N 2023 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.173	45.16	-19.65	64.81	34.71	0.04	10.41	QP
2	0.173	36.56	-18.25	54.81	26.11	0.04	10.41	Average
3	0.220	43.92	-18.91	62.83	33.50	0.03	10.39	QP
4	0.220	33.12	-19.71	52.83	22.70	0.03	10.39	Average
5	0.267	47.04	-14.16	61.20	36.69	-0.01	10.36	QP
6	0.267	33.04	-18.16	51.20	22.69	-0.01	10.36	Average
7	0.404	43.72	-14.05	57.77	33.50	-0.06	10.28	QP
8 *	0.404	37.52	-10.25	47.77	27.30	-0.06	10.28	Average
9	0.471	38.27	-18.22	56.49	28.10	-0.07	10.24	QP
10	0.471	30.27	-16.22	46.49	20.10	-0.07	10.24	Average
11	25.591	25.22	-34.78	60.00	14.10	-0.43	11.55	QP
12	25.591	17.82	-32.18	50.00	6.70	-0.43	11.55	Average

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)



Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Wenbo Xiao	Relative Humidity :	50%
		Temperature :	20℃~22℃

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	CDD 0+1	802.11a	36	5180	6Mbps	-	-
Mode 2	U-NII-1	5.15-5.25	CDD 0+1	802.11a	44	5220	6Mbps	-	-
Mode 3	U-NII-1	5.15-5.25	CDD 0+1	802.11a	48	5240	6Mbps	-	-
Mode 4	U-NII-2A	5.25-5.35	CDD 0+1	802.11a	52	5260	6Mbps	-	-
Mode 5	U-NII-2A	5.25-5.35	CDD 0+1	802.11a	60	5300	6Mbps	-	-
Mode 6	U-NII-2A	5.25-5.35	CDD 0+1	802.11a	64	5320	6Mbps	-	-
Mode 7	U-NII-2C	5.47-5.725	CDD 0+1	802.11a	100	5500	6Mbps	-	-
Mode 8	U-NII-2C	5.47-5.725	CDD 0+1	802.11a	116	5580	6Mbps	-	-
Mode 9	U-NII-2C	5.47-5.725	CDD 0+1	802.11a	140	5700	6Mbps	-	-
Mode 19	U-NII-1	5.15-5.25	CDD 0+1	802.11ax HE20	36	5180	MCS0	Full	-
Mode 20	U-NII-1	5.15-5.25	CDD 0+1	802.11ax HE20	44	5220	MCS0	Full	-
Mode 21	U-NII-1	5.15-5.25	CDD 0+1	802.11ax HE20	48	5240	MCS0	Full	-
Mode 22	U-NII-2A	5.25-5.35	CDD 0+1	802.11ax HE20	52	5260	MCS0	Full	-
Mode 23	U-NII-2A	5.25-5.35	CDD 0+1	802.11ax HE20	60	5300	MCS0	Full	-
Mode 24	U-NII-2A	5.25-5.35	CDD 0+1	802.11ax HE20	64	5320	MCS0	Full	-
Mode 25	U-NII-2C	5.47-5.725	CDD 0+1	802.11ax HE20	100	5500	MCS0	Full	-
Mode 26	U-NII-2C	5.47-5.725	CDD 0+1	802.11ax HE20	116	5580	MCS0	Full	-
Mode 27	U-NII-2C	5.47-5.725	CDD 0+1	802.11ax HE20	140	5700	MCS0	Full	-
Mode 28	U-NII-1	5.15-5.25	CDD 0+1	802.11ax HE20	36	5180	MCS0	Partial RU26/0	-
Mode 31	U-NII-2A	5.25-5.35	CDD 0+1	802.11ax HE20	64	5320	MCS0	Partial RU26/8	-
Mode 32	U-NII-2C	5.47-5.725	CDD 0+1	802.11ax HE20	100	5500	MCS0	Partial RU26/0	-
Mode 33	U-NII-2C	5.47-5.725	CDD 0+1	802.11ax HE20	140	5700	MCS0	Partial RU26/8	-
Mode 34	U-NII-1	5.15-5.25	CDD 0+1	802.11ax HE20	36	5180	MCS0	Partial RU52/37	-
Mode 37	U-NII-2A	5.25-5.35	CDD 0+1	802.11ax HE20	64	5320	MCS0	Partial RU52/40	-
Mode 38	U-NII-2C	5.47-5.725	CDD 0+1	802.11ax HE20	100	5500	MCS0	Partial RU52/37	-
Mode 39	U-NII-2C	5.47-5.725	CDD 0+1	802.11ax HE20	140	5700	MCS0	Partial RU52/40	-
Mode 40	U-NII-1	5.15-5.25	CDD 0+1	802.11ax HE20	36	5180	MCS0	Partial RU106/53	-
Mode 43	U-NII-2A	5.25-5.35	CDD 0+1	802.11ax HE20	64	5320	MCS0	Partial RU106/54	-
Mode 44	U-NII-2C	5.47-5.725	CDD 0+1	802.11ax HE20	100	5500	MCS0	Partial RU106/53	-
Mode 45	U-NII-2C	5.47-5.725	CDD 0+1	802.11ax HE20	140	5700	MCS0	Partial RU106/54	-
Mode 46	U-NII-1	5.15-5.25	CDD 0+1	802.11ax HE40	38	5190	MCS0	Full	-
Mode 47	U-NII-1	5.15-5.25	CDD 0+1	802.11ax HE40	46	5230	MCS0	Full	-



Mode 48	U-NII-2A	5.25-5.35	CDD 0+1	802.11ax HE40	54	5270	MCS0	Full	-
Mode 49	U-NII-2A	5.25-5.35	CDD 0+1	802.11ax HE40	62	5310	MCS0	Full	-
Mode 50	U-NII-2C	5.47-5.725	CDD 0+1	802.11ax HE40	102	5510	MCS0	Full	-
Mode 51	U-NII-2C	5.47-5.725	CDD 0+1	802.11ax HE40	110	5550	MCS0	Full	-
Mode 52	U-NII-2C	5.47-5.725	CDD 0+1	802.11ax HE40	134	5670	MCS0	Full	-
Mode 53	U-NII-1	5.15-5.25	CDD 0+1	802.11ax HE80	42	5210	MCS0	Full	-
Mode 54	U-NII-2A	5.25-5.35	CDD 0+1	802.11ax HE80	58	5290	MCS0	Full	-
Mode 55	U-NII-2C	5.47-5.725	CDD 0+1	802.11ax HE80	106	5530	MCS0	Full	-
Mode 56	U-NII-2C	5.47-5.725	CDD 0+1	802.11ax HE80	122	5610	MCS0	Full	-
Mode 57	U-NII-1	5.15-5.25	CDD 0+1	802.11ac VHT20	36	5180	MCS0	-	-
Mode 58	U-NII-1	5.15-5.25	CDD 0+1	802.11ac VHT20	44	5220	MCS0	-	-
Mode 59	U-NII-1	5.15-5.25	CDD 0+1	802.11ac VHT20	48	5240	MCS0	-	-
Mode 60	U-NII-2A	5.25-5.35	CDD 0+1	802.11ac VHT20	52	5260	MCS0	-	-
Mode 61	U-NII-2A	5.25-5.35	CDD 0+1	802.11ac VHT20	60	5300	MCS0	-	-
Mode 62	U-NII-2A	5.25-5.35	CDD 0+1	802.11ac VHT20	64	5320	MCS0	-	-
Mode 63	U-NII-2C	5.47-5.725	CDD 0+1	802.11ac VHT20	100	5500	MCS0	-	-
Mode 64	U-NII-2C	5.47-5.725	CDD 0+1	802.11ac VHT20	116	5580	MCS0	-	-
Mode 65	U-NII-2C	5.47-5.725	CDD 0+1	802.11ac VHT20	140	5700	MCS0	-	-
Mode 66	U-NII-1	5.15-5.25	CDD 0+1	802.11ac VHT40	38	5190	MCS0	-	-
Mode 67	U-NII-1	5.15-5.25	CDD 0+1	802.11ac VHT40	46	5230	MCS0	-	-
Mode 68	U-NII-2A	5.25-5.35	CDD 0+1	802.11ac VHT40	54	5270	MCS0	-	-
Mode 69	U-NII-2A	5.25-5.35	CDD 0+1	802.11ac VHT40	62	5310	MCS0	-	-
Mode 70	U-NII-2C	5.47-5.725	CDD 0+1	802.11ac VHT40	102	5510	MCS0	-	-
Mode 71	U-NII-2C	5.47-5.725	CDD 0+1	802.11ac VHT40	110	5550	MCS0	-	-
Mode 72	U-NII-2C	5.47-5.725	CDD 0+1	802.11ac VHT40	134	5670	MCS0	-	-
Mode 73	U-NII-1	5.15-5.25	CDD 0+1	802.11ac VHT80	42	5210	MCS0	-	-
Mode 74	U-NII-2A	5.25-5.35	CDD 0+1	802.11ac VHT80	58	5290	MCS0	-	-
Mode 75	U-NII-2C	5.47-5.725	CDD 0+1	802.11ac VHT80	106	5530	MCS0	-	-
Mode 76	U-NII-2C	5.47-5.725	CDD 0+1	802.11ac VHT80	122	5610	MCS0	-	-
Mode 77	U-NII-3	5.725-5.85	CDD 0+1	802.11a	149	5745	6Mbps	-	-
Mode 78	U-NII-3	5.725-5.85	CDD 0+1	802.11a	157	5785	6Mbps	-	-
Mode 79	U-NII-3	5.725-5.85	CDD 0+1	802.11a	165	5825	6Mbps	-	-
Mode 80	U-NII-3	5.725-5.85	CDD 0+1	802.11ax HE20	149	5745	MCS0	Full	-
Mode 81	U-NII-3	5.725-5.85	CDD 0+1	802.11ax HE20	157	5785	MCS0	Full	-
Mode 82	U-NII-3	5.725-5.85	CDD 0+1	802.11ax HE20	165	5825	MCS0	Full	-
Mode 83	U-NII-3	5.725-5.85	CDD 0+1	802.11ax HE40	151	5755	MCS0	Full	-
Mode 84	U-NII-3	5.725-5.85	CDD 0+1	802.11ax HE40	159	5795	MCS0	Full	-
Mode 85	U-NII-3	5.725-5.85	CDD 0+1	802.11ax HE80	155	5775	MCS0	Full	-
Mode 86	U-NII-3	5.725-5.85	CDD 0+1	802.11ax HE20	149	5745	MCS0	Partial RU26/0	-
Mode 87	U-NII-3	5.725-5.85	CDD 0+1	802.11ax HE20	165	5825	MCS0	Partial RU26/8	-
Mode 88	U-NII-3	5.725-5.85	CDD 0+1	802.11ax HE20	149	5745	MCS0	Partial RU52/37	-
Mode 89	U-NII-3	5.725-5.85	CDD 0+1	802.11ax HE20	165	5825	MCS0	Partial RU52/40	-
Mode 90	U-NII-3	5.725-5.85	CDD 0+1	802.11ax HE20	149	5745	MCS0	Partial RU106/53	-
Mode 91	U-NII-3	5.725-5.85	CDD 0+1	802.11ax HE20	165	5825	MCS0	Partial RU106/54	-



Mode 92	U-NII-3	5.725-5.85	CDD 0+1	802.11ac VHT20	149	5745	MCS0	-	-
Mode 93	U-NII-3	5.725-5.85	CDD 0+1	802.11ac VHT20	157	5785	MCS0	-	-
Mode 94	U-NII-3	5.725-5.85	CDD 0+1	802.11ac VHT20	165	5825	MCS0	-	-
Mode 95	U-NII-3	5.725-5.85	CDD 0+1	802.11ac VHT40	151	5755	MCS0	-	-
Mode 96	U-NII-3	5.725-5.85	CDD 0+1	802.11ac VHT40	159	5795	MCS0	-	-
Mode 97	U-NII-3	5.725-5.85	CDD 0+1	802.11ac VHT80	155	5775	MCS0	-	-
Mode 98	UNII 2C-3	5.47-5.85	CDD 0+1	802.11a	144	5720	6Mbps	-	-
Mode 99	UNII 2C-3	5.47-5.85	CDD 0+1	802.11ax HE20	144	5720	MCS0	Full	-
Mode 100	UNII 2C-3	5.47-5.85	CDD 0+1	802.11ax HE40	142	5710	MCS0	Full	-
Mode 101	UNII 2C-3	5.47-5.85	CDD 0+1	802.11ax HE80	138	5690	MCS0	Full	-
Mode 102	UNII 2C-3	5.47-5.85	CDD 0+1	802.11ac VHT20	144	5720	MCS0	Full	-
Mode 103	UNII 2C-3	5.47-5.85	CDD 0+1	802.11ac VHT40	142	5710	MCS0	Full	-
Mode 104	UNII 2C-3	5.47-5.85	CDD 0+1	802.11ac VHT80	138	5690	MCS0	Full	-
Mode 105	U-NII-2A	5.25-5.35	CDD 0+1	802.11ac VHT40	62	5310	MCS0	Full	-
	Bluetooth	2.4-2.4835	CDD 0+1	Bluetooth LE	38	2478	2Mbps	-	-
Mode 106	U-NII-2A	5.25-5.35	CDD 0+1	802.11ac VHT40	62	5310	MCS0	LF	-
Mode 107	U-NII-3	5.725-5.85	CDD 0+1	802.11ac VHT20	157	5785	MCS0	LF	-
Mode 108	U-NII-1	5.15-5.25	CDD 0+1	802.11ax HE20	136	5680	MCS0	Full	-



Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	802.11a	36	1384.00	52.87	54.00	-1.13	H	AVERAGE	Pass	Band Edge
1	802.11a	36	15540.00	52.56	54.00	-1.44	V	Average	Pass	Harmonic
2	802.11a	44	-	-	-	-	-	-	-	Band Edge
2	802.11a	44	15660.00	52.08	54.00	-1.92	V	Average	Pass	Harmonic
3	802.11a	48	-	-	-	-	-	-	-	Band Edge
3	802.11a	48	15720.00	52.16	54.00	-1.84	V	Average	Pass	Harmonic
4	802.11a	52	-	-	-	-	-	-	-	Band Edge
4	802.11a	52	15780.00	52.37	54.00	-1.63	V	Average	Pass	Harmonic
5	802.11a	60	-	-	-	-	-	-	-	Band Edge
5	802.11a	60	15900.00	51.95	54.00	-2.05	V	Average	Pass	Harmonic
6	802.11a	64	1386.00	52.80	54.00	-1.20	V	AVERAGE	Pass	Band Edge
6	802.11a	64	15960.00	51.23	54.00	-2.77	V	Average	Pass	Harmonic
7	802.11a	100	1386.00	52.87	54.00	-1.13	V	AVERAGE	Pass	Band Edge
7	802.11a	100	11000.00	50.88	54.00	-3.12	V	Average	Pass	Harmonic
8	802.11a	116	-	-	-	-	-	-	-	Band Edge
8	802.11a	116	16740.00	65.39	68.30	-2.91	V	Peak	Pass	Harmonic
9	802.11a	140	1386.00	52.57	54.00	-1.43	H	AVERAGE	Pass	Band Edge
9	802.11a	140	17100.00	58.96	68.30	-9.34	V	Peak	Pass	Harmonic
19	802.11ax HE20	36	5149.76	52.78	54.00	-1.22	V	AVERAGE	Pass	Band Edge
19	802.11ax HE20	36	15540.00	47.80	54.00	-6.20	V	Average	Pass	Harmonic
20	802.11ax HE20	44	-	-	-	-	-	-	-	Band Edge
20	802.11ax HE20	44	15660.00	51.46	54.00	-2.54	V	Average	Pass	Harmonic
21	802.11ax HE20	48	-	-	-	-	-	-	-	Band Edge
21	802.11ax HE20	48	15720.00	51.29	54.00	-2.71	V	Average	Pass	Harmonic
22	802.11ax HE20	52	-	-	-	-	-	-	-	Band Edge
22	802.11ax HE20	52	15780.00	51.40	54.00	-2.60	V	Average	Pass	Harmonic
23	802.11ax HE20	60	-	-	-	-	-	-	-	Band Edge
23	802.11ax HE20	60	15900.00	51.53	54.00	-2.47	V	Average	Pass	Harmonic
24	802.11ax HE20	64	1386.00	52.50	54.00	-1.50	V	AVERAGE	Pass	Band Edge
24	802.11ax HE20	64	15960.00	49.13	54.00	-4.87	V	Average	Pass	Harmonic
25	802.11ax HE20	100	1386.00	52.53	54.00	-1.47	H	AVERAGE	Pass	Band Edge
25	802.11ax HE20	100	16500.00	57.31	68.30	-10.99	V	Peak	Pass	Harmonic
26	802.11ax HE20	116	-	-	-	-	-	-	-	Band Edge
26	802.11ax HE20	116	16740.00	64.66	68.30	-3.64	V	Peak	Pass	Harmonic
27	802.11ax HE20	140	1386.00	52.27	54.00	-1.73	H	AVERAGE	Pass	Band Edge
27	802.11ax HE20	140	17100.00	51.50	68.30	-16.80	H	Peak	Pass	Harmonic
28	802.11ax HE20	36	5131.94	44.32	54.00	-9.68	V	AVERAGE	Pass	Band Edge
28	802.11ax HE20	36	-	-	-	-	-	-	-	Harmonic
31	802.11ax HE20	64	5436.76	44.44	54.00	-9.56	V	AVERAGE	Pass	Band Edge
31	802.11ax HE20	64	-	-	-	-	-	-	-	Harmonic
32	802.11ax HE20	100	5405.65	44.63	54.00	-9.37	V	AVERAGE	Pass	Band Edge
32	802.11ax HE20	100	-	-	-	-	-	-	-	Harmonic
33	802.11ax HE20	140	5739.72	64.69	68.30	-3.61	V	PEAK	Pass	Band Edge
33	802.11ax HE20	140	-	-	-	-	-	-	-	Harmonic



34	802.11ax HE20	36	5131.94	44.99	54.00	-9.01	V	AVERAGE	Pass	Band Edge
34	802.11ax HE20	36	-	-	-	-	-	-	-	Harmonic
37	802.11ax HE20	64	5432.28	44.61	54.00	-9.39	V	AVERAGE	Pass	Band Edge
37	802.11ax HE20	64	-	-	-	-	-	-	-	Harmonic
38	802.11ax HE20	100	5451.25	46.44	54.00	-7.56	V	AVERAGE	Pass	Band Edge
38	802.11ax HE20	100	-	-	-	-	-	-	-	Harmonic
39	802.11ax HE20	140	5730.55	67.79	68.30	-0.51	V	PEAK	Pass	Band Edge
39	802.11ax HE20	140	-	-	-	-	-	-	-	Harmonic
40	802.11ax HE20	36	5147.96	44.09	54.00	-9.91	V	AVERAGE	Pass	Band Edge
40	802.11ax HE20	36	-	-	-	-	-	-	-	Harmonic
43	802.11ax HE20	64	5351.08	53.65	54.00	-0.35	H	AVERAGE	Pass	Band Edge
43	802.11ax HE20	64	-	-	-	-	-	-	-	Harmonic
44	802.11ax HE20	100	5468.95	63.62	68.30	-4.68	V	PEAK	Pass	Band Edge
44	802.11ax HE20	100	-	-	-	-	-	-	-	Harmonic
45	802.11ax HE20	140	5725.42	60.59	68.30	-7.71	V	PEAK	Pass	Band Edge
45	802.11ax HE20	140	-	-	-	-	-	-	-	Harmonic
46	802.11ax HE40	38	1386.00	52.75	54.00	-1.25	V	AVERAGE	Pass	Band Edge
46	802.11ax HE40	38	10380.00	48.64	68.30	-19.66	V	Peak	Pass	Harmonic
47	802.11ax HE40	46	-	-	-	-	-	-	-	Band Edge
47	802.11ax HE40	46	15690.00	51.80	54.00	-2.20	V	Average	Pass	Harmonic
48	802.11ax HE40	54	-	-	-	-	-	-	-	Band Edge
48	802.11ax HE40	54	15810.00	51.30	54.00	-2.70	V	Average	Pass	Harmonic
49	802.11ax HE40	62	1386.00	52.65	54.00	-1.35	V	AVERAGE	Pass	Band Edge
49	802.11ax HE40	62	15930.00	49.27	74.00	-24.73	V	Peak	Pass	Harmonic
50	802.11ax HE40	102	5459.92	52.80	54.00	-1.20	V	AVERAGE	Pass	Band Edge
50	802.11ax HE40	102	16530.00	49.40	68.30	-18.90	H	Peak	Pass	Harmonic
51	802.11ax HE40	110	-	-	-	-	-	-	-	Band Edge
51	802.11ax HE40	110	11100.00	51.46	54.00	-2.54	V	Average	Pass	Harmonic
52	802.11ax HE40	134	1386.00	52.01	54.00	-1.99	H	AVERAGE	Pass	Band Edge
52	802.11ax HE40	134	11340.00	48.42	54.00	-5.58	V	Average	Pass	Harmonic
53	802.11ax HE80	42	1386.00	52.85	54.00	-1.15	V	AVERAGE	Pass	Band Edge
53	802.11ax HE80	42	10420.00	47.76	68.30	-20.54	V	Peak	Pass	Harmonic
54	802.11ax HE80	58	1386.00	52.48	54.00	-1.52	V	AVERAGE	Pass	Band Edge
54	802.11ax HE80	58	10580.00	48.34	68.30	-19.96	H	Peak	Pass	Harmonic
55	802.11ax HE80	106	5452.96	52.81	54.00	-1.19	V	AVERAGE	Pass	Band Edge
55	802.11ax HE80	106	16590.00	48.27	68.30	-20.03	H	Peak	Pass	Harmonic
56	802.11ax HE80	122	5735.40	67.98	68.30	-0.32	V	PEAK	Pass	Band Edge
56	802.11ax HE80	122	11220.00	49.62	54.00	-4.38	V	Average	Pass	Harmonic
57	802.11ac VHT20	36	1386.00	52.78	54.00	-1.22	V	AVERAGE	Pass	Band Edge
57	802.11ac VHT20	36	15540.00	49.87	54.00	-4.13	V	Average	Pass	Harmonic
58	802.11ac VHT20	44	-	-	-	-	-	-	-	Band Edge
58	802.11ac VHT20	44	15660.00	51.34	54.00	-2.66	V	Average	Pass	Harmonic
59	802.11ac VHT20	48	-	-	-	-	-	-	-	Band Edge
59	802.11ac VHT20	48	15720.00	51.47	54.00	-2.53	V	Average	Pass	Harmonic
60	802.11ac VHT20	52	-	-	-	-	-	-	-	Band Edge
60	802.11ac VHT20	52	15780.00	51.31	54.00	-2.69	V	Average	Pass	Harmonic
61	802.11ac VHT20	60	-	-	-	-	-	-	-	Band Edge



61	802.11ac VHT20	60	15900.00	51.28	54.00	-2.72	V	Average	Pass	Harmonic
62	802.11ac VHT20	64	1386.00	52.75	54.00	-1.25	V	AVERAGE	Pass	Band Edge
62	802.11ac VHT20	64	15960.00	49.00	54.00	-5.00	V	Average	Pass	Harmonic
63	802.11ac VHT20	100	1386.00	52.85	54.00	-1.15	V	AVERAGE	Pass	Band Edge
63	802.11ac VHT20	100	11000.00	50.88	54.00	-3.12	V	Average	Pass	Harmonic
64	802.11ac VHT20	116	-	-	-	-	-	-	-	Band Edge
64	802.11ac VHT20	116	11160.00	49.58	54.00	-4.42	V	Average	Pass	Harmonic
65	802.11ac VHT20	140	1386.00	52.59	54.00	-1.41	V	AVERAGE	Pass	Band Edge
65	802.11ac VHT20	140	11400.00	45.30	54.00	-8.70	V	Average	Pass	Harmonic
66	802.11ac VHT40	38	1386.00	52.01	54.00	-1.99	V	AVERAGE	Pass	Band Edge
66	802.11ac VHT40	38	10380.00	48.52	68.30	-19.78	V	Peak	Pass	Harmonic
67	802.11ac VHT40	46	-	-	-	-	-	-	-	Band Edge
67	802.11ac VHT40	46	15690.00	51.96	54.00	-2.04	V	Average	Pass	Harmonic
68	802.11ac VHT40	54	-	-	-	-	-	-	-	Band Edge
68	802.11ac VHT40	54	15810.00	51.63	54.00	-2.37	V	Average	Pass	Harmonic
69	802.11ac VHT40	62	5351.10	53.79	54.00	-0.21	V	AVERAGE	Pass	Band Edge
69	802.11ac VHT40	62	17823.00	47.38	54.00	-6.62	V	AVERAGE	Pass	Harmonic
70	802.11ac VHT40	102	1386.00	52.82	54.00	-1.18	H	AVERAGE	Pass	Band Edge
70	802.11ac VHT40	102	11020.00	50.87	54.00	-3.13	V	Average	Pass	Harmonic
71	802.11ac VHT40	110	-	-	-	-	-	-	-	Band Edge
71	802.11ac VHT40	110	11100.00	51.35	54.00	-2.65	V	Average	Pass	Harmonic
72	802.11ac VHT40	134	1386.00	52.47	54.00	-1.53	H	AVERAGE	Pass	Band Edge
72	802.11ac VHT40	134	11340.00	47.19	54.00	-6.81	V	Average	Pass	Harmonic
73	802.11ac VHT80	42	1386.00	52.60	54.00	-1.40	V	AVERAGE	Pass	Band Edge
73	802.11ac VHT80	42	10420.00	47.60	68.30	-20.70	V	Peak	Pass	Harmonic
74	802.11ac VHT80	58	1386.00	52.82	54.00	-1.18	V	AVERAGE	Pass	Band Edge
74	802.11ac VHT80	58	10580.00	47.69	68.30	-20.61	V	Peak	Pass	Harmonic
75	802.11ac VHT80	106	5459.80	53.24	54.00	-0.76	V	AVERAGE	Pass	Band Edge
75	802.11ac VHT80	106	16590.00	50.67	68.30	-17.63	V	Peak	Pass	Harmonic
76	802.11ac VHT80	122	1386.00	52.35	54.00	-1.65	V	AVERAGE	Pass	Band Edge
76	802.11ac VHT80	122	11220.00	50.59	54.00	-3.41	V	Average	Pass	Harmonic
77	802.11a	149	1386.00	51.30	54.00	-2.70	V	AVERAGE	Pass	Band Edge
77	802.11a	149	17235.00	67.67	68.30	-0.63	V	Peak	Pass	Harmonic
78	802.11a	157	-	-	-	-	-	-	-	Band Edge
78	802.11a	157	17355.00	66.32	68.30	-1.98	V	Peak	Pass	Harmonic
79	802.11a	165	1386.00	49.76	54.00	-4.24	V	AVERAGE	Pass	Band Edge
79	802.11a	165	17475.00	67.30	68.30	-1.00	V	Peak	Pass	Harmonic
80	802.11ax HE20	149	1386.00	49.69	54.00	-4.31	V	AVERAGE	Pass	Band Edge
80	802.11ax HE20	149	17235.00	66.16	68.30	-2.14	V	Peak	Pass	Harmonic
81	802.11ax HE20	157	-	-	-	-	-	-	-	Band Edge
81	802.11ax HE20	157	17355.00	67.47	68.30	-0.83	V	Peak	Pass	Harmonic
82	802.11ax HE20	165	1386.00	49.96	54.00	-4.04	V	AVERAGE	Pass	Band Edge
82	802.11ax HE20	165	17475.00	65.09	68.30	-3.21	V	Peak	Pass	Harmonic
83	802.11ax HE40	151	1386.00	50.06	54.00	-3.94	V	AVERAGE	Pass	Band Edge
83	802.11ax HE40	151	17265.00	67.36	68.30	-0.94	V	Peak	Pass	Harmonic
84	802.11ax HE40	159	1386.00	50.63	54.00	-3.37	V	AVERAGE	Pass	Band Edge
84	802.11ax HE40	159	17385.00	64.92	68.30	-3.38	V	Peak	Pass	Harmonic

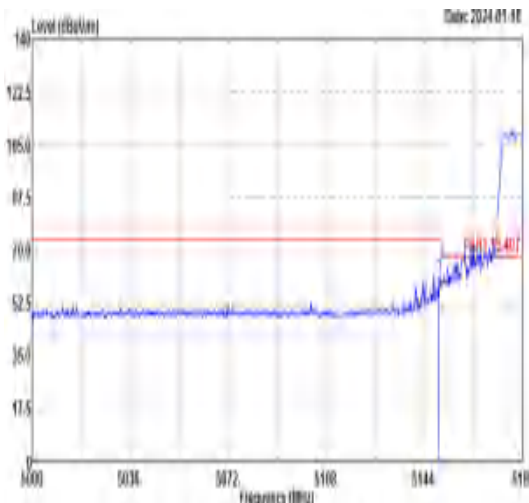
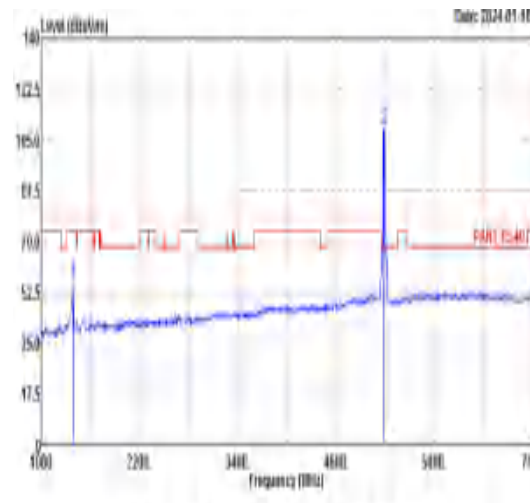
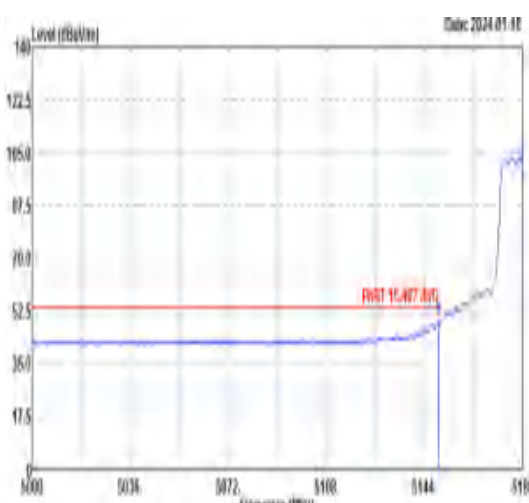
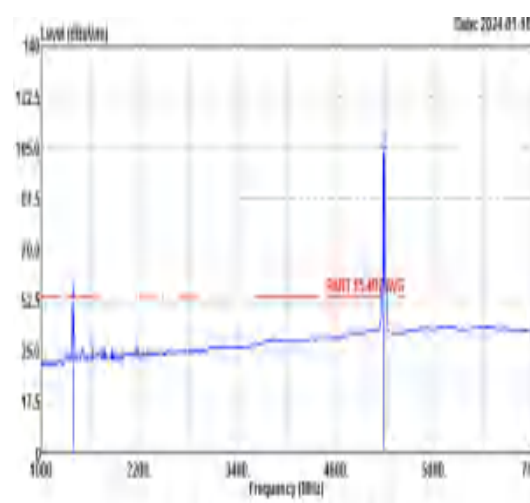


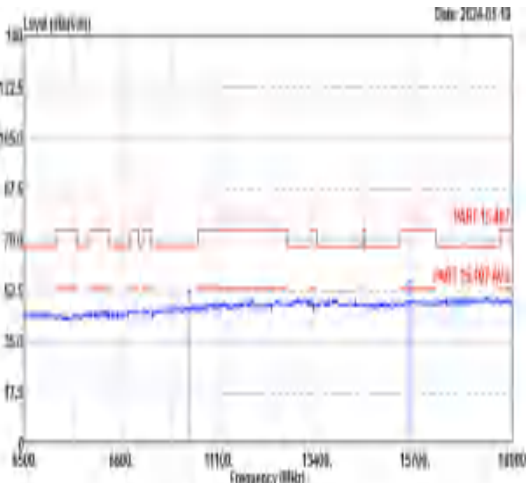
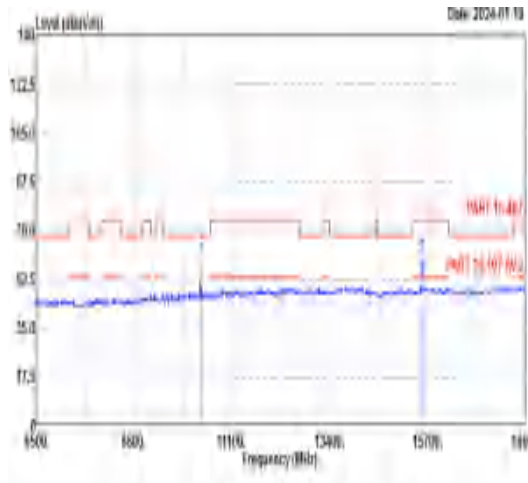
85	802.11ax HE80	155	1386.00	50.89	54.00	-3.11	V	AVERAGE	Pass	Band Edge
85	802.11ax HE80	155	17325.00	64.76	68.30	-3.54	V	Peak	Pass	Harmonic
86	802.11ax HE20	149	5607.40	52.72	68.30	-15.58	V	PEAK	Pass	Band Edge
86	802.11ax HE20	149	-	-	-	-	-	-	-	Harmonic
87	802.11ax HE20	165	5935.25	53.38	68.30	-14.92	H	PEAK	Pass	Band Edge
87	802.11ax HE20	165	-	-	-	-	-	-	-	Harmonic
88	802.11ax HE20	149	5630.60	53.07	68.30	-15.23	V	PEAK	Pass	Band Edge
88	802.11ax HE20	149	-	-	-	-	-	-	-	Harmonic
89	802.11ax HE20	165	5930.00	53.24	68.30	-15.06	H	PEAK	Pass	Band Edge
89	802.11ax HE20	165	-	-	-	-	-	-	-	Harmonic
90	802.11ax HE20	149	5634.80	53.14	68.30	-15.16	V	PEAK	Pass	Band Edge
90	802.11ax HE20	149	-	-	-	-	-	-	-	Harmonic
91	802.11ax HE20	165	5931.13	53.12	68.30	-15.18	V	PEAK	Pass	Band Edge
91	802.11ax HE20	165	-	-	-	-	-	-	-	Harmonic
92	802.11ac VHT20	149	1386.00	50.42	54.00	-3.58	V	AVERAGE	Pass	Band Edge
92	802.11ac VHT20	149	17235.00	66.52	68.30	-1.78	V	Peak	Pass	Harmonic
93	802.11ac VHT20	157	-	-	-	-	-	-	-	Band Edge
93	802.11ac VHT20	157	17355.00	67.82	68.30	-0.48	V	Peak	Pass	Harmonic
94	802.11ac VHT20	165	1386.00	50.39	54.00	-3.61	V	AVERAGE	Pass	Band Edge
94	802.11ac VHT20	165	17475.00	67.17	68.30	-1.13	V	Peak	Pass	Harmonic
95	802.11ac VHT40	151	1386.00	51.40	54.00	-2.60	V	AVERAGE	Pass	Band Edge
95	802.11ac VHT40	151	17265.00	66.59	68.30	-1.71	V	Peak	Pass	Harmonic
96	802.11ac VHT40	159	1386.00	50.84	54.00	-3.16	V	AVERAGE	Pass	Band Edge
96	802.11ac VHT40	159	17385.00	64.99	68.30	-3.31	V	Peak	Pass	Harmonic
97	802.11ac VHT80	155	1386.00	50.84	54.00	-3.16	H	AVERAGE	Pass	Band Edge
97	802.11ac VHT80	155	17325.00	64.81	68.30	-3.49	V	Peak	Pass	Harmonic
98	802.11a	144	-	-	-	-	-	-	-	Band Edge
98	802.11a	144	17160.00	65.76	68.30	-2.54	V	Peak	Pass	Harmonic
99	802.11ax HE20	144	-	-	-	-	-	-	-	Band Edge
99	802.11ax HE20	144	11440.00	52.84	54.00	-1.16	V	Average	Pass	Harmonic
100	802.11ax HE40	142	-	-	-	-	-	-	-	Band Edge
100	802.11ax HE40	142	17130.00	66.53	68.30	-1.77	V	Peak	Pass	Harmonic
101	802.11ax HE80	138	-	-	-	-	-	-	-	Band Edge
101	802.11ax HE80	138	17070.00	64.22	68.30	-4.08	V	Peak	Pass	Harmonic
102	802.11ac VHT20	144	-	-	-	-	-	-	-	Band Edge
102	802.11ac VHT20	144	17160.00	67.24	68.30	-1.06	V	Peak	Pass	Harmonic
103	802.11ac VHT40	142	-	-	-	-	-	-	-	Band Edge
103	802.11ac VHT40	142	17130.00	66.47	68.30	-1.83	V	Peak	Pass	Harmonic
104	802.11ac VHT80	138	-	-	-	-	-	-	-	Band Edge
104	802.11ac VHT80	138	17070.00	64.49	68.30	-3.81	V	Peak	Pass	Harmonic
106	802.11ac VHT40	62	-	-	-	-	-	-	-	-
106	802.11ac VHT40	62	675.05	45.16	46.00	-0.84	V	Peak	Pass	LF
107	802.11ac VHT20	157	-	-	-	-	-	-	-	-
107	802.11ac VHT20	157	675.05	45.13	46.00	-0.87	V	Peak	Pass	LF
108	802.11ax HE20	136	5725.39	60.21	68.30	-8.09	H	PEAK	Pass	Band Edge
108	802.11ax HE20	136	-	-	-	-	-	-	-	Harmonic



Mode	1																																																																																									
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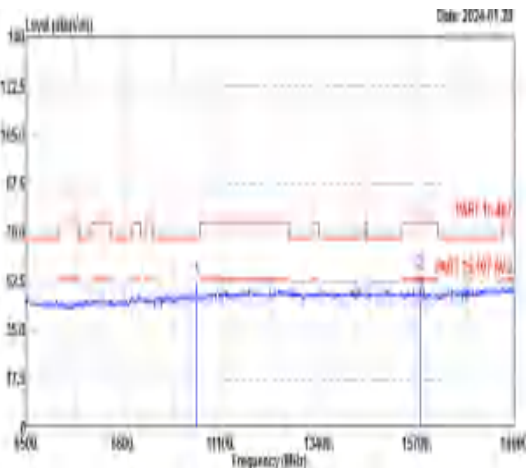
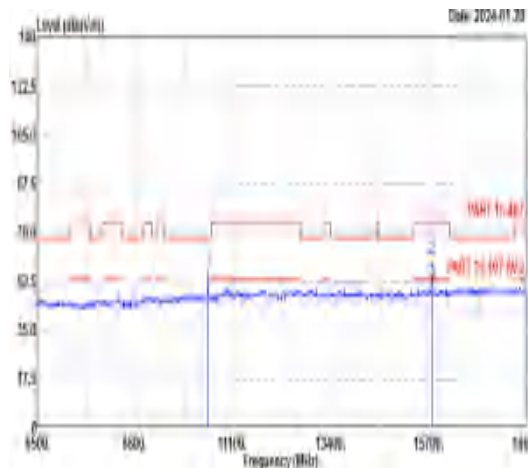
Mode	1	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak		
Avg		



Mode	2	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	Level (dBm/Hz) 100 97.5 95.0 92.5 90.0 87.5 85.0 82.5 80.0 77.5 75.0 72.5 70.0 67.5 65.0 62.5 60.0 57.5 55.0 52.5 50.0 47.5 45.0 42.5 40.0 37.5 35.0 32.5 30.0 27.5 25.0 22.5 20.0 17.5 15.0 12.5 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0 -12.5 -15.0 -17.5 -20.0 -22.5 -25.0 -27.5 -30.0 -32.5 -35.0 -37.5 -40.0 -42.5 -45.0 -47.5 -50.0 -52.5 -55.0 -57.5 -60.0 -62.5 -65.0 -67.5 -70.0 -72.5 -75.0 -77.5 -80.0 -82.5 -85.0 -87.5 -90.0 -92.5 -95.0 -97.5 -100.0 Frequency (MHz) 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000 10500 11000 11500 12000 12500 13000 13500 14000 14500 15000 15500 16000 16500 17000 17500 18000 18500 19000 19500 20000 20500 21000 21500 22000 22500 23000 23500 24000 24500 25000 25500 26000 26500 27000 27500 28000 28500 29000 29500 30000 30500 31000 31500 32000 32500 33000 33500 34000 34500 35000 35500 36000 36500 37000 37500 38000 38500 39000 39500 40000 40500 41000 41500 42000 42500 43000 43500 44000 44500 45000 45500 46000 46500 47000 47500 48000 48500 49000 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414000 414500 415000 415500 416000 416500 417000 417500 418000 418500 419000 419500 420000 420500 421000 421500 422000 422500 423000 423500 424000 424500 425000 425500 426000 426500 427000 427500 428000 428500 429000 429500 430000 430500 431000 431500 432000 432500 433000 433500 434000 434500 435000 435500 436000 436500 437000 437500 438000 438500 439000 439500 440000 440500 441000 441500 442000 442500 443000 443500 444000 444500 445000 445500 446000 446500 447000 447500 448000 448500 449000 449500 450000 450500 451000 451500 452000 452500 453000 453500 454000 454500 455000 455500 456000 456500 457000 457500 458000 458500 459000 459500 460000 460500 461000 461500 462000 462500 463000 463500 464000 464500 465000 465500 466000 466500 467000 467500 468000 468500 469000 469500 470000 470500 471000 471500 472000 472500 473000 473500 474000 474500 475000 475500 476000 476500 477000 477500 478000 478500 479000 479500 480000 480500 481000 481500 482000 482500 483000 483500 484000 484500 485000 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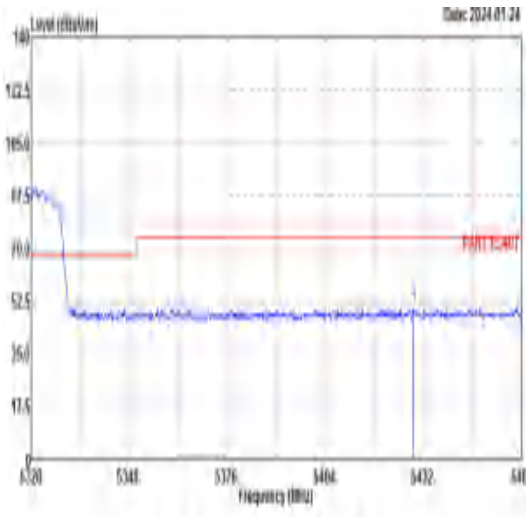
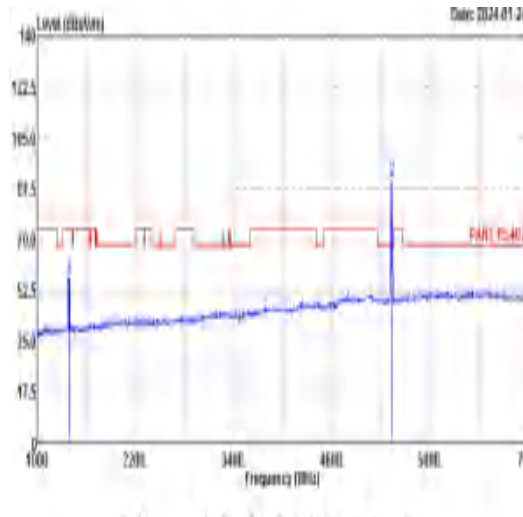
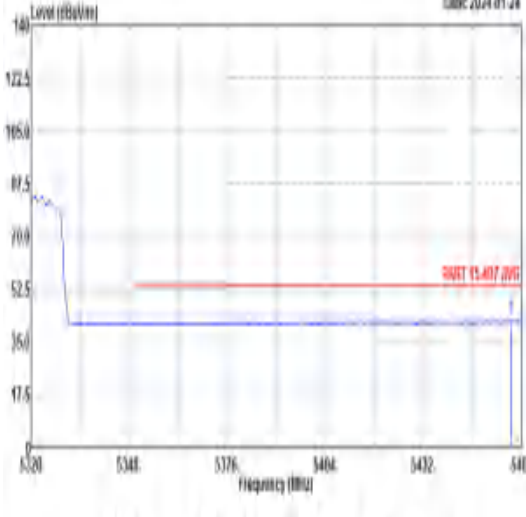
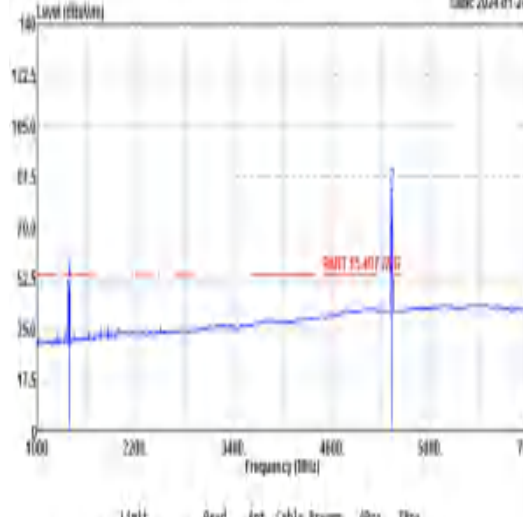
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Peak Avg	Level (dBm/Hz) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 Frequency (MHz) 8500 8600 11100 13400 15700 18100 Date: 2024-01-10 <table><tr><th>Limit</th><th>PreA</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>PreA</th><th>TPA</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th></th></tr><tr><td>PreA</td><td>dBm/Hz</td><td>dBm/Hz</td><td>dB</td><td>dBm</td><td>dB</td><td>dB</td><td></td></tr><tr><td>1</td><td>10480.00</td><td>57.64</td><td>66.16</td><td>-18.66</td><td>66.31</td><td>-48.29</td><td>52.35</td><td>63.61</td><td>140</td><td>23</td><td>Peak</td></tr><tr><td>2</td><td>15720.00</td><td>68.64</td><td>74.00</td><td>-25.36</td><td>57.15</td><td>40.88</td><td>14.46</td><td>64.05</td><td>---</td><td>---</td><td>Peak</td></tr></table>	Limit	PreA	Ant	Cable	Preamp	PreA	TPA	Remark	Freq	Level	Line	Margin	Level	Factor	Loss		PreA	dBm/Hz	dBm/Hz	dB	dBm	dB	dB		1	10480.00	57.64	66.16	-18.66	66.31	-48.29	52.35	63.61	140	23	Peak	2	15720.00	68.64	74.00	-25.36	57.15	40.88	14.46	64.05	---	---	Peak	Level (dBm/Hz) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 Frequency (MHz) 8500 8600 11100 13400 15700 18100 Date: 2024-01-10 <table><tr><th>Limit</th><th>PreA</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>PreA</th><th>TPA</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th></th></tr><tr><td>PreA</td><td>dBm/Hz</td><td>dBm/Hz</td><td>dB</td><td>dBm</td><td>dB</td><td>dB</td><td></td></tr><tr><td>1</td><td>10480.00</td><td>58.69</td><td>66.16</td><td>-4.81</td><td>71.16</td><td>16.29</td><td>52.35</td><td>63.61</td><td>140</td><td>23</td><td>Peak</td></tr><tr><td>2</td><td>15720.00</td><td>68.02</td><td>74.00</td><td>-11.99</td><td>66.53</td><td>40.88</td><td>14.46</td><td>64.05</td><td>270</td><td>1</td><td>Peak</td></tr><tr><td>3</td><td>15720.00</td><td>52.16</td><td>54.00</td><td>-1.84</td><td>60.67</td><td>40.88</td><td>14.46</td><td>64.05</td><td>297</td><td>1</td><td>Average</td></tr></table>	Limit	PreA	Ant	Cable	Preamp	PreA	TPA	Remark	Freq	Level	Line	Margin	Level	Factor	Loss		PreA	dBm/Hz	dBm/Hz	dB	dBm	dB	dB		1	10480.00	58.69	66.16	-4.81	71.16	16.29	52.35	63.61	140	23	Peak	2	15720.00	68.02	74.00	-11.99	66.53	40.88	14.46	64.05	270	1	Peak	3	15720.00	52.16	54.00	-1.84	60.67	40.88	14.46	64.05	297	1	Average
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2	15720.00	68.64	74.00	-25.36	57.15	40.88	14.46	64.05	---	---	Peak																																																																																																			
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2	15720.00	68.02	74.00	-11.99	66.53	40.88	14.46	64.05	270	1	Peak																																																																																																			
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	Unit	Freq	Level	Line	Margin	Level Factor	Loss Factor	APol	TPol	Remark																																																																																																						
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1	5050.00	52.43	68.90	-15.67	65.68	19.81	12.18	63.60	181	131 Peak																																																																																																						
2	5270.00	55.26	74.00	-18.74	65.72	40.92	14.68	64.87	875	116 Peak																																																																																																						
3	5270.00	48.87	54.00	-7.83	55.43	40.92	14.89	66.87	875	130 Average																																																																																																						
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1	5050.00	54.61	68.90	-4.60	71.82	19.81	12.18	63.60	181	145 Peak																																																																																																						
2	5270.00	60.83	74.00	-13.87	60.39	40.92	14.68	64.87	203	160 Peak																																																																																																						
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Mode	5	
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ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	Level (dBm/Hz) 100 97.5 95.0 92.5 90.0 87.5 85.0 82.5 80.0 77.5 75.0 72.5 70.0 67.5 65.0 62.5 60.0 57.5 55.0 52.5 50.0 47.5 45.0 42.5 40.0 37.5 35.0 32.5 30.0 27.5 25.0 22.5 20.0 17.5 15.0 12.5 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0 -12.5 -15.0 -17.5 -20.0 -22.5 -25.0 -27.5 -30.0 -32.5 -35.0 -37.5 -40.0 -42.5 -45.0 -47.5 -50.0 -52.5 -55.0 -57.5 -60.0 -62.5 -65.0 -67.5 -70.0 -72.5 -75.0 -77.5 -80.0 -82.5 -85.0 -87.5 -90.0 -92.5 -95.0 -97.5 -100.0 Frequency (MHz) 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000 10100 10200 10300 10400 10500 10600 10700 10800 10900 11000 11100 11200 11300 11400 11500 11600 11700 11800 11900 12000 12100 12200 12300 12400 12500 12600 12700 12800 12900 13000 13100 13200 13300 13400 13500 13600 13700 13800 13900 14000 14100 14200 14300 14400 14500 14600 14700 14800 14900 15000 15100 15200 15300 15400 15500 15600 15700 15800 15900 16000 16100 16200 16300 16400 16500 16600 16700 16800 16900 17000 17100 17200 17300 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2	5320.00	100.00	54.00	-1.20	54.18	29.42	4.17	34.93	260	0 AVERAGE																																																																																	



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Peak Avg	Level (dBm/Hz) 120 112.5 105 97.5 90 82.5 75 67.5 60 52.5 45 37.5 30 22.5 15 7.5 0 1000 1100 1200 1300 1400 1500 1600 Frequency (MHz) Limit Peak Avg Cable Loss Preamp APol TPol <table><tr><th>Peak</th><th>Avg</th><th>Cable Loss</th><th>Preamp</th><th>APol</th><th>TPol</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><td>5250.00</td><td>87.40</td><td>74.00</td><td>-96.60</td><td>59.80</td><td>16.60</td><td>12.26</td><td>63.55</td></tr><tr><td>5300.00</td><td>51.47</td><td>74.00</td><td>-32.53</td><td>50.70</td><td>41.07</td><td>14.77</td><td>64.12</td></tr><tr><td>5350.00</td><td>50.82</td><td>74.00</td><td>-7.18</td><td>55.11</td><td>41.07</td><td>14.77</td><td>64.13</td></tr></table>	Peak	Avg	Cable Loss	Preamp	APol	TPol	Remark	Freq	Level	Line	Margin	Level	Factor	Loss Factor		5250.00	87.40	74.00	-96.60	59.80	16.60	12.26	63.55	5300.00	51.47	74.00	-32.53	50.70	41.07	14.77	64.12	5350.00	50.82	74.00	-7.18	55.11	41.07	14.77	64.13	Level (dBm/Hz) 120 112.5 105 97.5 90 82.5 75 67.5 60 52.5 45 37.5 30 22.5 15 7.5 0 1000 1100 1200 1300 1400 1500 1600 Frequency (MHz) Limit Peak Avg Cable Loss Preamp APol TPol <table><tr><th>Peak</th><th>Avg</th><th>Cable Loss</th><th>Preamp</th><th>APol</th><th>TPol</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><td>5250.00</td><td>51.80</td><td>74.00</td><td>-22.20</td><td>64.29</td><td>38.40</td><td>12.26</td><td>63.55</td></tr><tr><td>5300.00</td><td>44.20</td><td>74.00</td><td>-4.80</td><td>56.54</td><td>38.36</td><td>12.26</td><td>63.55</td></tr><tr><td>5350.00</td><td>50.82</td><td>74.00</td><td>-14.18</td><td>60.11</td><td>41.07</td><td>14.77</td><td>64.13</td></tr><tr><td>5380.00</td><td>51.23</td><td>74.00</td><td>-2.77</td><td>59.52</td><td>41.07</td><td>14.77</td><td>64.13</td></tr></table>	Peak	Avg	Cable Loss	Preamp	APol	TPol	Remark	Freq	Level	Line	Margin	Level	Factor	Loss Factor		5250.00	51.80	74.00	-22.20	64.29	38.40	12.26	63.55	5300.00	44.20	74.00	-4.80	56.54	38.36	12.26	63.55	5350.00	50.82	74.00	-14.18	60.11	41.07	14.77	64.13	5380.00	51.23	74.00	-2.77	59.52	41.07	14.77	64.13
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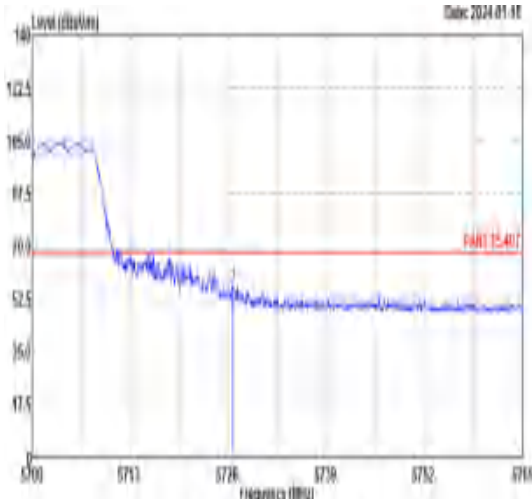
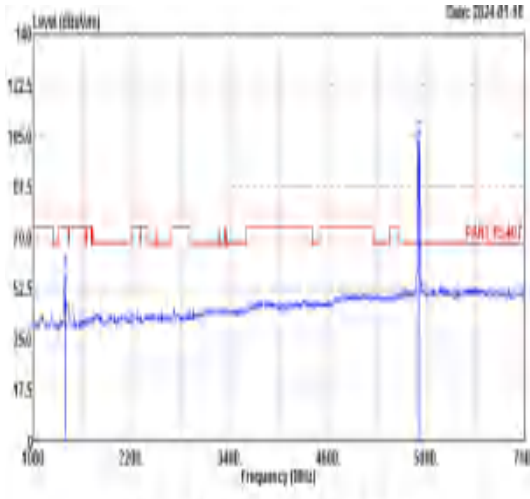
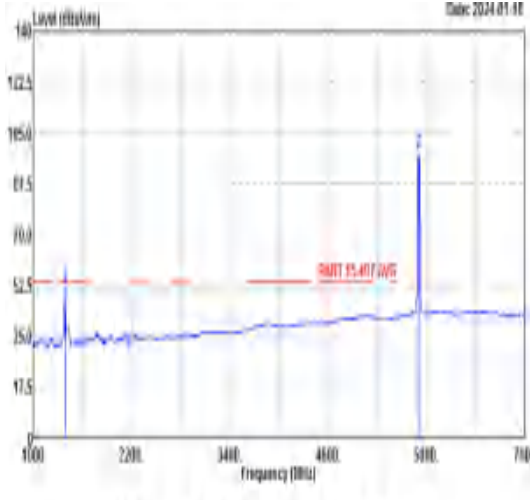


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Peak Avg	Level (dBm) 100 97.5 75.0 52.5 30.0 7.5 0 8500 10000 11000 12000 13000 14000 Frequency (kHz) Date: 2024-01-10 <table><tr><th></th><th>Unit</th><th>Read</th><th>Att</th><th>Cable</th><th>Preamp</th><th>dBs</th><th>Plus</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Harmon</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><th></th><th>dBm</th><th>dBm/m</th><th>dBm/m</th><th>dB</th><th>dB/m</th><th>dB/m</th><th>dB</th></tr><tr><td>1</td><td>11000.00</td><td>51.17</td><td>74.00</td><td>27.83</td><td>65.07</td><td>39.00</td><td>32.52 65.42 125 293 Peak</td></tr><tr><td>2</td><td>11000.00</td><td>45.16</td><td>61.00</td><td>8.65</td><td>57.25</td><td>30.00</td><td>12.52 67.82 126 295 Average</td></tr><tr><td>3</td><td>11000.00</td><td>60.80</td><td>68.10</td><td>-7.30</td><td>66.94</td><td>41.35</td><td>15.27 64.66 126 324 Peak</td></tr></table>		Unit	Read	Att	Cable	Preamp	dBs	Plus	Freq	Level	Line	Harmon	Level	Factor	Loss Factor			dBm	dBm/m	dBm/m	dB	dB/m	dB/m	dB	1	11000.00	51.17	74.00	27.83	65.07	39.00	32.52 65.42 125 293 Peak	2	11000.00	45.16	61.00	8.65	57.25	30.00	12.52 67.82 126 295 Average	3	11000.00	60.80	68.10	-7.30	66.94	41.35	15.27 64.66 126 324 Peak	Level (dBm) 100 97.5 75.0 52.5 30.0 7.5 0 8500 10000 11000 12000 13000 14000 Frequency (kHz) Date: 2024-01-10 <table><tr><th></th><th>Unit</th><th>Read</th><th>Att</th><th>Cable</th><th>Preamp</th><th>dBs</th><th>Plus</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Harmon</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><th></th><th>dBm</th><th>dBm/m</th><th>dBm/m</th><th>dB</th><th>dB/m</th><th>dB/m</th><th>dB</th></tr><tr><td>1</td><td>11000.00</td><td>56.11</td><td>74.00</td><td>-15.89</td><td>79.01</td><td>39.00</td><td>32.52 65.42 135 346 Peak</td></tr><tr><td>2</td><td>11000.00</td><td>30.88</td><td>61.00</td><td>-1.12</td><td>60.78</td><td>30.00</td><td>12.52 67.82 131 346 Average</td></tr><tr><td>3</td><td>11000.00</td><td>62.11</td><td>68.10</td><td>-5.99</td><td>70.45</td><td>41.35</td><td>15.27 64.66 132 371 Peak</td></tr></table>		Unit	Read	Att	Cable	Preamp	dBs	Plus	Freq	Level	Line	Harmon	Level	Factor	Loss Factor			dBm	dBm/m	dBm/m	dB	dB/m	dB/m	dB	1	11000.00	56.11	74.00	-15.89	79.01	39.00	32.52 65.42 135 346 Peak	2	11000.00	30.88	61.00	-1.12	60.78	30.00	12.52 67.82 131 346 Average	3	11000.00	62.11	68.10	-5.99	70.45	41.35	15.27 64.66 132 371 Peak
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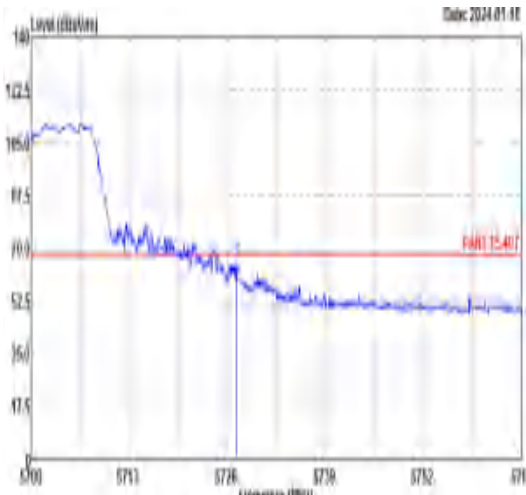
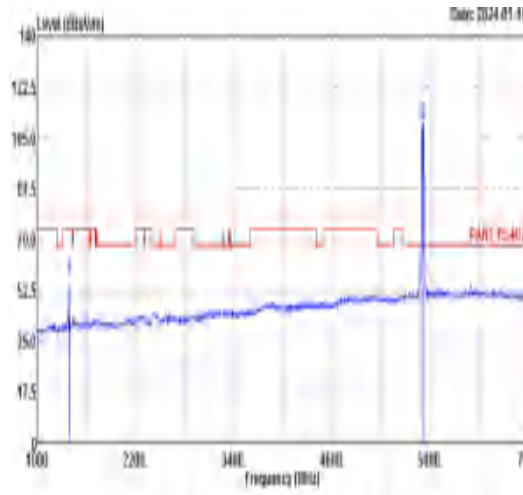
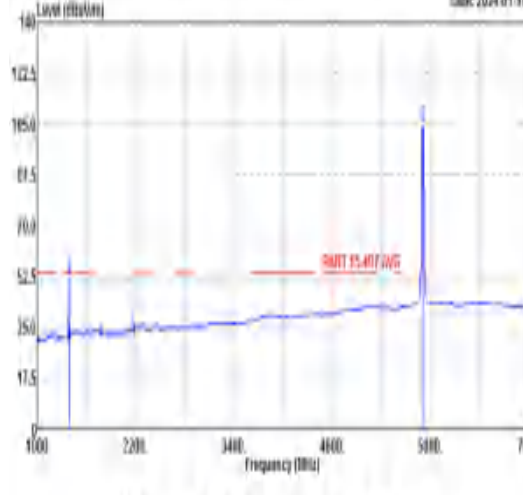


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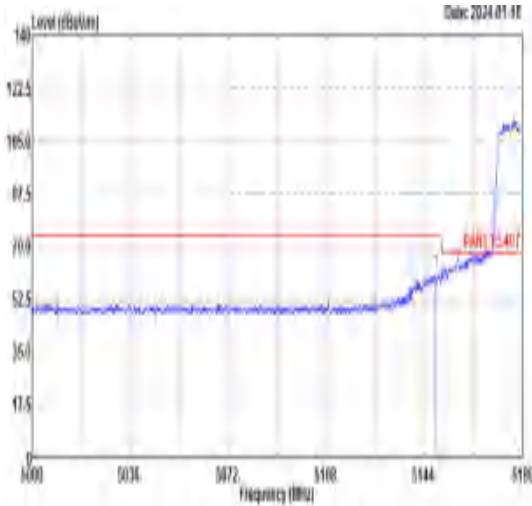
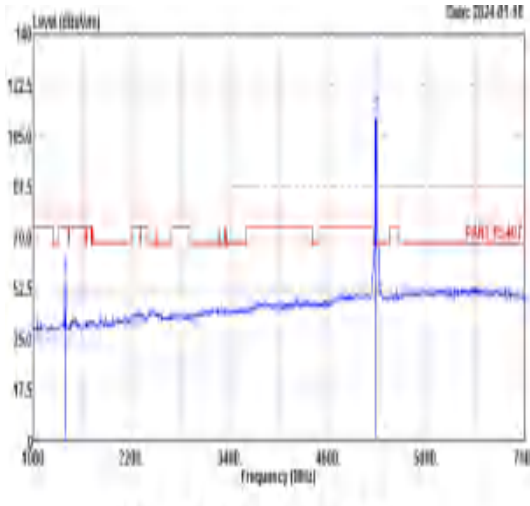
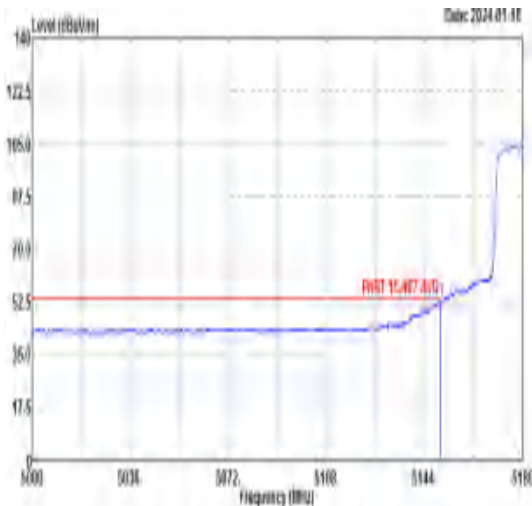
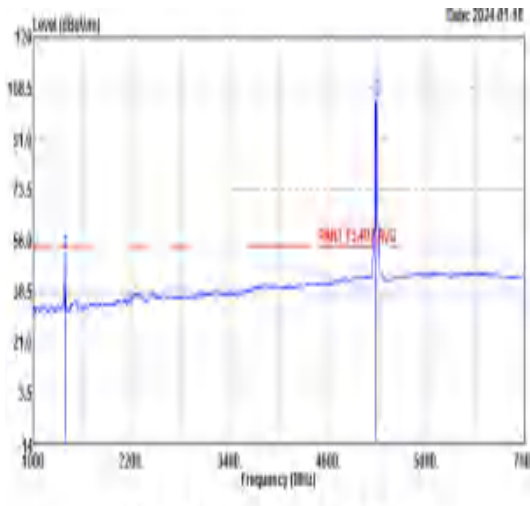


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1	5177.76	74.00	-12.91	48.94	16.11	8.53	12.40	263 267 PEAK																																																																													
2	5180.00	111.75	-----	99.54	16.10	8.57	12.46	263 267 PEAK																																																																													
Avg	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Abs</th><th>Tloss</th><th></th></tr><tr><th></th><th>Freq</th><th>Level</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th></th><th>MHz</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5177.76</td><td>72.70</td><td>14.00</td><td>-1.21</td><td>48.62</td><td>16.11</td><td>8.54</td><td>12.40</td><td>263 267 AVERAGE</td></tr></table>		Limit	Read	Ant	Cable	Pump	Abs	Tloss			Freq	Level	Margin	Level	Factor	Loss	Factor	Remark			MHz	dBm	dB	dBm	dB	dB	dB	1	5177.76	72.70	14.00	-1.21	48.62	16.11	8.54	12.40	263 267 AVERAGE	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Abs</th><th>Tloss</th><th></th></tr><tr><th></th><th>Freq</th><th>Level</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th></th><th>MHz</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5177.76</td><td>72.06</td><td>14.00</td><td>-1.94</td><td>51.80</td><td>21.42</td><td>4.13</td><td>14.40</td><td>263 267 AVERAGE</td></tr><tr><td>2</td><td>5180.00</td><td>104.00</td><td>-----</td><td>92.44</td><td>16.00</td><td>8.50</td><td>12.45</td><td>263 267 AVERAGE</td></tr></table>		Limit	Read	Ant	Cable	Pump	Abs	Tloss			Freq	Level	Margin	Level	Factor	Loss	Factor	Remark			MHz	dBm	dB	dBm	dB	dB	dB	1	5177.76	72.06	14.00	-1.94	51.80	21.42	4.13	14.40	263 267 AVERAGE	2	5180.00	104.00	-----	92.44	16.00	8.50	12.45	263 267 AVERAGE
		Limit	Read	Ant	Cable	Pump	Abs	Tloss																																																																													
	Freq	Level	Margin	Level	Factor	Loss	Factor	Remark																																																																													
		MHz	dBm	dB	dBm	dB	dB	dB																																																																													
1	5177.76	72.70	14.00	-1.21	48.62	16.11	8.54	12.40	263 267 AVERAGE																																																																												
	Limit	Read	Ant	Cable	Pump	Abs	Tloss																																																																														
	Freq	Level	Margin	Level	Factor	Loss	Factor	Remark																																																																													
		MHz	dBm	dB	dBm	dB	dB	dB																																																																													
1	5177.76	72.06	14.00	-1.94	51.80	21.42	4.13	14.40	263 267 AVERAGE																																																																												
2	5180.00	104.00	-----	92.44	16.00	8.50	12.45	263 267 AVERAGE																																																																													



Mode	19	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full_5180MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	Level (dBm/Hz) 130 122.5 115.0 107.5 100.0 92.5 85.0 77.5 70.0 62.5 55.0 47.5 40.0 32.5 25.0 17.5 10.0 2.5 -5.0 -12.5 -20.0 -27.5 -35.0 -42.5 -50.0 -57.5 -65.0 -72.5 -80.0 -87.5 -95.0 -102.5 -110.0 -117.5 -125.0 -132.5 -140.0 -147.5 -155.0 -162.5 -170.0 -177.5 -185.0 -192.5 -200.0 -207.5 -215.0 -222.5 -230.0 -237.5 -245.0 -252.5 -260.0 -267.5 -275.0 -282.5 -290.0 -297.5 -305.0 -312.5 -320.0 -327.5 -335.0 -342.5 -350.0 -357.5 -365.0 -372.5 -380.0 -387.5 -395.0 -402.5 -410.0 -417.5 -425.0 -432.5 -440.0 -447.5 -455.0 -462.5 -470.0 -477.5 -485.0 -492.5 -500.0 -507.5 -515.0 -522.5 -530.0 -537.5 -545.0 -552.5 -560.0 -567.5 -575.0 -582.5 -590.0 -597.5 -605.0 -612.5 -620.0 -627.5 -635.0 -642.5 -650.0 -657.5 -665.0 -672.5 -680.0 -687.5 -695.0 -702.5 -710.0 -717.5 -725.0 -732.5 -740.0 -747.5 -755.0 -762.5 -770.0 -777.5 -785.0 -792.5 -800.0 -807.5 -815.0 -822.5 -830.0 -837.5 -845.0 -852.5 -860.0 -867.5 -875.0 -882.5 -890.0 -897.5 -905.0 -912.5 -920.0 -927.5 -935.0 -942.5 -950.0 -957.5 -965.0 -972.5 -980.0 -987.5 -995.0 -1002.5 -1010.0 -1017.5 -1025.0 -1032.5 -1040.0 -1047.5 -1055.0 -1062.5 -1070.0 -1077.5 -1085.0 -1092.5 -1100.0 -1107.5 -1115.0 -1122.5 -1130.0 -1137.5 -1145.0 -1152.5 -1160.0 -1167.5 -1175.0 -1182.5 -1190.0 -1197.5 -1205.0 -1212.5 -1220.0 -1227.5 -1235.0 -1242.5 -1250.0 -1257.5 -1265.0 -1272.5 -1280.0 -1287.5 -1295.0 -1302.5 -1310.0 -1317.5 -1325.0 -1332.5 -1340.0 -1347.5 -1355.0 -1362.5 -1370.0 -1377.5 -1385.0 -1392.5 -1400.0 -1407.5 -1415.0 -1422.5 -1430.0 -1437.5 -1445.0 -1452.5 -1460.0 -1467.5 -1475.0 -1482.5 -1490.0 -1497.5 -1505.0 -1512.5 -1520.0 -1527.5 -1535.0 -1542.5 -1550.0 -1557.5 -1565.0 -1572.5 -1580.0 -1587.5 -1595.0 -1602.5 -1610.0 -1617.5 -1625.0 -1632.5 -1640.0 -1647.5 -1655.0 -1662.5 -1670.0 -1677.5 -1685.0 -1692.5 -1700.0 -1707.5 -1715.0 -1722.5 -1730.0 -1737.5 -1745.0 -1752.5 -1760.0 -1767.5 -1775.0 -1782.5 -1790.0 -1797.5 -1805.0 -1812.5 -1820.0 -1827.5 -1835.0 -1842.5 -1850.0 -1857.5 -1865.0 -1872.5 -1880.0 -1887.5 -1895.0 -1902.5 -1910.0 -1917.5 -1925.0 -1932.5 -1940.0 -1947.5 -1955.0 -1962.5 -1970.0 -1977.5 -1985.0 -1992.5 -2000.0 -2007.5 -2015.0 -2022.5 -2030.0 -2037.5 -2045.0 -2052.5 -2060.0 -2067.5 -2075.0 -2082.5 -2090.0 -2097.5 -2105.0 -2112.5 -2120.0 -2127.5 -2135.0 -2142.5 -2150.0 -2157.5 -2165.0 -2172.5 -2180.0 -2187.5 -2195.0 -2202.5 -2210.0 -2217.5 -2225.0 -2232.5 -2240.0 -2247.5 -2255.0 -2262.5 -2270.0 -2277.5 -2285.0 -2292.5 -2300.0 -2307.5 -2315.0 -2322.5 -2330.0 -2337.5 -2345.0 -2352.5 -2360.0 -2367.5 -2375.0 -2382.5 -2390.0 -2397.5 -2405.0 -2412.5 -2420.0 -2427.5 -2435.0 -2442.5 -2450.0 -2457.5 -2465.0 -2472.5 -2480.0 -2487.5 -2495.0 -2502.5 -2510.0 -2517.5 -2525.0 -2532.5 -2540.0 -2547.5 -2555.0 -2562.5 -2570.0 -2577.5 -2585.0 -2592.5 -2600.0 -2607.5 -2615.0 -2622.5 -2630.0 -2637.5 -2645.0 -2652.5 -2660.0 -2667.5 -2675.0 -2682.5 -2690.0 -2697.5 -2705.0 -2712.5 -2720.0 -2727.5 -2735.0 -2742.5 -2750.0 -2757.5 -2765.0 -2772.5 -2780.0 -2787.5 -2795.0 -2802.5 -2810.0 -2817.5 -2825.0 -2832.5 -2840.0 -2847.5 -2855.0 -2862.5 -2870.0 -2877.5 -2885.0 -2892.5 -2900.0 -2907.5 -2915.0 -2922.5 -2930.0 -2937.5 -2945.0 -2952.5 -2960.0 -2967.5 -2975.0 -2982.5 -2990.0 -2997.5 -3005.0 -3012.5 -3020.0 -3027.5 -3035.0 -3042.5 -3050.0 -3057.5 -3065.0 -3072.5 -3080.0 -3087.5 -3095.0 -3102.5 -3110.0 -3117.5 -3125.0 -3132.5 -3140.0 -3147.5 -3155.0 -3162.5 -3170.0 -3177.5 -3185.0 -3192.5 -3200.0 -3207.5 -3215.0 -3222.5 -3230.0 -3237.5 -3245.0 -3252.5 -3260.0 -3267.5 -3275.0 -3282.5 -3290.0 -3297.5 -3305.0 -3312.5 -3320.0 -3327.5 -3335.0 -3342.5 -3350.0 -3357.5 -3365.0 -3372.5 -3380.0 -3387.5 -3395.0 -3402.5 -3410.0 -3417.5 -3425.0 -3432.5 -3440.0 -3447.5 -3455.0 -3462.5 -3470.0 -3477.5 -3485.0 -3492.5 -3500.0 -3507.5 -3515.0 -3522.5 -3530.0 -3537.5 -3545.0 -3552.5 -3560.0 -3567.5 -3575.0 -3582.5 -3590.0 -3597.5 -3605.0 -3612.5 -3620.0 -3627.5 -3635.0 -3642.5 -3650.0 -3657.5 -3665.0 -3672.5 -3680.0 -3687.5 -3695.0 -3702.5 -3710.0 -3717.5 -3725.0 -3732.5 -3740.0 -3747.5 -3755.0 -3762.5 -3770.0 -3777.5 -3785.0 -3792.5 -3800.0 -3807.5 -3815.0 -3822.5 -3830.0 -3837.5 -3845.0 -3852.5 -3860.0 -3867.5 -3875.0 -3882.5 -3890.0 -3897.5 -3905.0 -3912.5 -3920.0 -3927.5 -3935.0 -3942.5 -3950.0 -3957.5 -3965.0 -3972.5 -3980.0 -3987.5 -3995.0 -4002.5 -4010.0 -4017.5 -4025.0 -4032.5 -4040.0 -4047.5 -4055.0 -4062.5 -4070.0 -4077.5 -4085.0 -4092.5 -4100.0 -4107.5 -4115.0 -4122.5 -4130.0 -4137.5 -4145.0 -4152.5 -4160.0 -4167.5 -4175.0 -4182.5 -4190.0 -4197.5 -4205.0 -4212.5 -4220.0 -4227.5 -4235.0 -4242.5 -4250.0 -4257.5 -4265.0 -4272.5 -4280.0 -4287.5 -4295.0 -4302.5 -4310.0 -4317.5 -4325.0 -4332.5 -4340.0 -4347.5 -4355.0 -4362.5 -4370.0 -4377.5 -4385.0 -4392.5 -4400.0 -4407.5 -4415.0 -4422.5 -4430.0 -4437.5 -4445.0 -4452.5 -4460.0 -4467.5 -4475.0 -4482.5 -4490.0 -4497.5 -4505.0 -4512.5 -4520.0 -4527.5 -4535.0 -4542.5 -4550.0 -4557.5 -4565.0 -4572.5 -4580.0 -4587.5 -4595.0 -4602.5 -4610.0 -4617.5 -4625.0 -4632.5 -4640.0 -4647.5 -4655.0 -4662.5 -4670.0 -4677.5 -4685.0 -4692.5 -4700.0 -4707.5 -4715.0 -4722.5 -4730.0 -4737.5 -4745.0 -4752.5 -4760.0 -4767.5 -4775.0 -4782.5 -4790.0 -4797.5 -4805.0 -4812.5 -4820.0 -4827.5 -4835.0 -4842.5 -4850.0 -4857.5 -4865.0 -4872.5 -4880.0 -4887.5 -4895.0 -4902.5 -4910.0 -4917.5 -4925.0 -4932.5 -4940.0 -4947.5 -4955.0 -4962.5 -4970.0 -4977.5 -4985.0 -4992.5 -5000.0 -5007.5 -5015.0 -5022.5 -5030.0 -5037.5 -5045.0 -5052.5 -5060.0 -5067.5 -5075.0 -5082.5 -5090.0 -5097.5 -5105.0 -5112.5 -5120.0 -5127.5 -5135.0 -5142.5 -5150.0 -5157.5 -5165.0 -5172.5 -5180.0 -5187.5 -5195.0 -5202.5 -5210.0 -5217.5 -5225.0 -5232.5 -5240.0 -5247.5 -5255.0 -5262.5 -5270.0 -5277.5 -5285.0 -5292.5 -5300.0 -5307.5 -5315.0 -5322.5 -5330.0 -5337.5 -5345.0 -5352.5 -5360.0 -5367.5 -5375.0 -5382.5 -5390.0 -5397.5 -5405.0 -5412.5 -5420.0 -5427.5 -5435.0 -5442.5 -5450.0 -5457.5 -5465.0 -5472.5 -5480.0 -5487.5 -5495.0 -5502.5 -5510.0 -5517.5 -5525.0 -5532.5 -5540.0 -5547.5 -5555.0 -5562.5 -5570.0 -5577.5 -5585.0 -5592.5 -5600.0 -5607.5 -5615.0 -5622.5 -5630.0 -5637.5 -5645.0 -5652.5 -5660.0 -5667.5 -5675.0 -5682.5 -5690.0 -5697.5 -5705.0 -5712.5 -5720.0 -5727.5 -5735.0 -5742.5 -5750.0 -5757.5 -5765.0 -5772.5 -5780.0 -5787.5 -5795.0 -5802.5 -5810.0 -5817.5 -5825.0 -5832.5 -5840.0 -5847.5 -5855.0 -5862.5 -5870.0 -5877.5 -5885.0 -5892.5 -5900.0 -5907.5 -5915.0 -5922.5 -5930.0 -5937.5 -5945.0 -5952.5 -5960.0 -5967.5 -5975.0 -5982.5 -5990.0 -5997.5 -6005.0 -6012.5 -6020.0 -6027.5 -6035.0 -6042.5 -6050.0 -6057.5 -6065.0 -6072.5 -6080.0 -6087.5 -6095.0 -6102.5 -6110.0 -6117.5 -6125.0 -6132.5 -6140.0 -6147.5 -6155.0 -6162.5 -6170.0 -6177.5 -6185.0 -6192.5 -6200.0 -6207.5 -6215.0 -6222.5 -6230.0 -6237.5 -6245.0 -6252.5 -6260.0 -6267.5 -6275.0 -6282.5 -6290.0 -6297.5 -6305.0 -6312.5 -6320.0 -6327.5 -6335.0 -6342.5 -6350.0 -6357.5 -6365.0 -6372.5 -6380.0 -6387.5 -6395.0 -6402.5 -6410.0 -6417.5 -6425.0 -6432.5 -6440.0 -6447.5 -6455.0 -6462.5 -6470.0 -6477.5 -6485.0 -6492.5 -6500.0 -6507.5 -6515.0 -6522.5 -6530.0 -6537.5 -6545.0 -6552.5 -6560.0 -6567.5 -6575.0 -6582.5 -6590.0 -6597.5 -6605.0 -6612.5 -6620.0 -6627.5 -6635.0 -6642.5 -6650.0 -6657.5 -6665.0 -6672.5 -6680.0 -6687.5 -6695.0 -6702.5 -6710.0 -6717.5 -6725.0 -6732.5 -6740.0 -6747.5 -6755.0 -6762.5 -6770.0 -6777.5 -6785.0 -6792.5 -6800.0 -6807.5 -6815.0 -6822.5 -6830.0 -6837.5 -6845.0 -6852.5 -6860.0 -6867.5 -6875.0 -6882.5 -6890.0 -6897.5 -6905.0 -6912.5 -6920.0 -6927.5 -6935.0 -6942.5 -6950.0 -6957.5 -6965.0 -6972.5 -6980.0 -6987.5 -6995.0 -7002.5 -7010.0 -7017.5 -7025.0 -7032.5 -7040.0 -7047.5 -7055.0 -7062.5 -7070.0 -7077.5 -7085.0 -7092.5 -7100.0 -7107.5 -7115.0 -7122.5 -7130.0 -7137.5 -7145.0 -7152.5 -7160.0 -7167.5 -7175.0 -7182.5 -7190.0 -7197.5 -7205.0 -7212.5 -7220.0 -7227.5 -7235.0 -7242.5 -7250.0 -7257.5 -7265.0 -7272.5 -7280.0 -7287.5 -7295.0 -7302.5 -7310.0 -7317.5 -7325.0 -7332.5 -7340.0 -7347.5 -7355.0 -7362.5 -7370.0 -7377.5 -7385.0 -7392.5 -7400.0 -7407.5 -7415.0 -7422.5 -7430.0 -7437.5 -7445.0 -7452.5 -7460.0 -7467.5 -7475.0 -7482.5 -7490.0 -7497.5 -7505.0 -7512.5 -7520.0 -7527.5 -7535.0 -7542.5 -7550.0 -7557.5 -7565.0 -7572.5 -7580.0 -7587.5 -7595.0 -7602.5 -7610.0 -7617.5 -7625.0 -7632.5 -7640.0 -7647.5 -7655.0 -7662.5 -7670.0 -7677.5 -7685.0 -7692.5 -7700.0 -7707.5 -7715.0 -7722.5 -7730.0 -7737.5 -7745.0 -7752.5 -7760.0 -7767.5 -7775.0 -7782.5 -7790.0 -7797.5 -7805.0 -7812.5 -7820.0 -7827.5 -7835.0 -7842.5 -7850.0 -7857.5 -7865.0 -7872.5 -7880.0 -7887.5 -7895.0 -7902.5 -7910.0 -7917.5 -7925.0 -7932.5 -7940.0 -7947.5 -7955.0 -7962.5 -7970.0 -7977.5 -7985.0 -7992.5 -8000.0 -8007.5 -8015.0 -8022.5 -8030.0 -8037.5 -8045.0 -8052.5 -8060.0 -8067.5 -8075.0 -8082.5 -8090.0 -8097.5 -8105.0 -8112.5 -8120.0 -8127.5 -8135.0 -8142.5 -8150.0 -8157.5 -8165.0 -817	



Mode	20	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH44_Full_5220MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	Level (dBm/Hz) 100 97.5 95.0 92.5 90.0 87.5 85.0 82.5 80.0 77.5 75.0 72.5 70.0 67.5 65.0 62.5 60.0 57.5 55.0 52.5 50.0 47.5 45.0 42.5 40.0 37.5 35.0 32.5 30.0 27.5 25.0 22.5 20.0 17.5 15.0 12.5 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0 -12.5 -15.0 -17.5 -20.0 -22.5 -25.0 -27.5 -30.0 -32.5 -35.0 -37.5 -40.0 -42.5 -45.0 -47.5 -50.0 -52.5 -55.0 -57.5 -60.0 -62.5 -65.0 -67.5 -70.0 -72.5 -75.0 -77.5 -80.0 -82.5 -85.0 -87.5 -90.0 -92.5 -95.0 -97.5 -100.0 Frequency (MHz) 5400 6000 6600 7200 7800 8400 9000 9600 10200 10800 11400 12000 12600 13200 13800 14400 15000 15600 16200 16800 17400 18000 18600 19200 19800 20400 21000 21600 22200 22800 23400 24000 24600 25200 25800 26400 27000 27600 28200 28800 29400 30000 30600 31200 31800 32400 33000 33600 34200 34800 35400 36000 36600 37200 37800 38400 39000 39600 40200 40800 41400 42000 42600 43200 43800 44400 45000 45600 46200 46800 47400 48000 48600 49200 49800 50400 51000 51600 52200 52800 53400 54000 54600 55200 55800 56400 57000 57600 58200 58800 59400 60000 60600 61200 61800 62400 63000 63600 64200 64800 65400 66000 66600 67200 67800 68400 69000 69600 70200 70800 71400 72000 72600 73200 73800 74400 75000 75600 76200 76800 77400 78000 78600 79200 79800 80400 81000 81600 82200 82800 83400 84000 84600 85200 85800 86400 87000 87600 88200 88800 89400 90000 90600 91200 91800 92400 93000 93600 94200 94800 95400 96000 96600 97200 97800 98400 99000 99600 100200 100800 101400 102000 102600 103200 103800 104400 105000 105600 106200 106800 107400 108000 108600 109200 109800 110400 111000 111600 112200 112800 113400 114000 114600 115200 115800 116400 117000 117600 118200 118800 119400 120000 120600 121200 121800 122400 123000 123600 124200 124800 125400 126000 126600 127200 127800 128400 129000 129600 130200 130800 131400 132000 132600 133200 133800 134400 135000 135600 136200 136800 137400 138000 138600 139200 139800 140400 141000 141600 142200 142800 143400 144000 144600 145200 145800 146400 147000 147600 148200 148800 149400 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Mode	21	
	Harmonic	
	U-NII-1_5.15-5.25_802.11ax HE20_CH48_Full_5240MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	Level (dBuV/m) 140 125 110 95 80 65 50 35 20 0 Frequency (MHz) 8500 9000 9500 10000 10500 11000 11500 12000 12500 13000 13500 14000 14500 15000 15500 16000 16500 17000 17500 18000 18500 19000 19500 20000 20500 21000 21500 22000 22500 23000 23500 24000 24500 25000 25500 26000 26500 27000 27500 28000 28500 29000 29500 30000 30500 31000 31500 32000 32500 33000 33500 34000 34500 35000 35500 36000 36500 37000 37500 38000 38500 39000 39500 40000 40500 41000 41500 42000 42500 43000 43500 44000 44500 45000 45500 46000 46500 47000 47500 48000 48500 49000 49500 50000 50500 51000 51500 52000 52500 53000 53500 54000 54500 55000 55500 56000 56500 57000 57500 58000 58500 59000 59500 60000 60500 61000 61500 62000 62500 63000 63500 64000 64500 65000 65500 66000 66500 67000 67500 68000 68500 69000 69500 70000 70500 71000 71500 72000 72500 73000 73500 74000 74500 75000 75500 76000 76500 77000 77500 78000 78500 79000 79500 80000 80500 81000 81500 82000 82500 83000 83500 84000 84500 85000 85500 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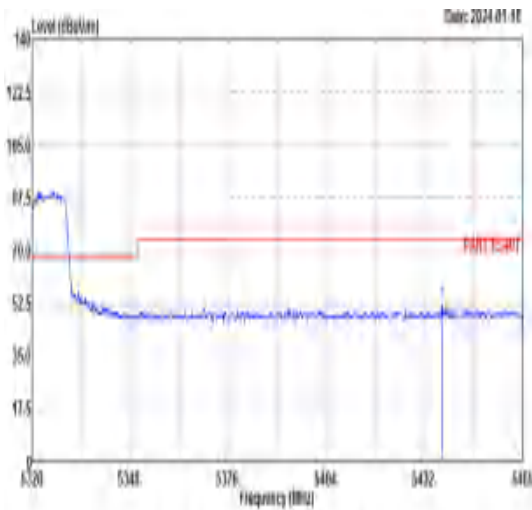
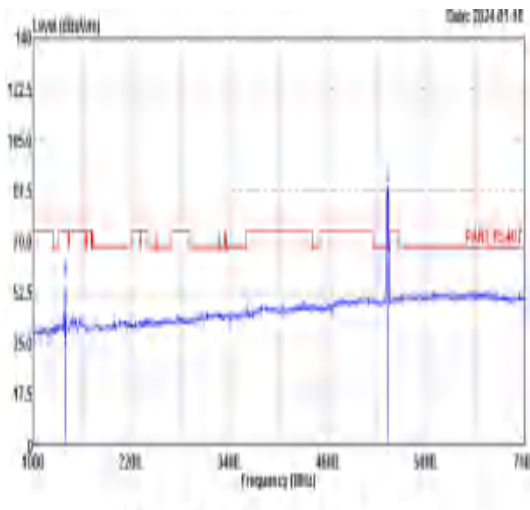
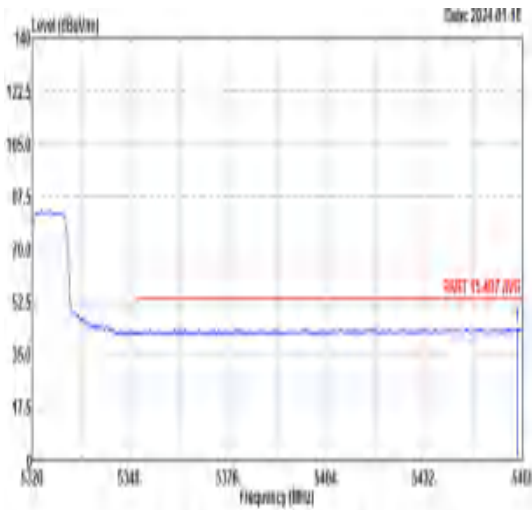
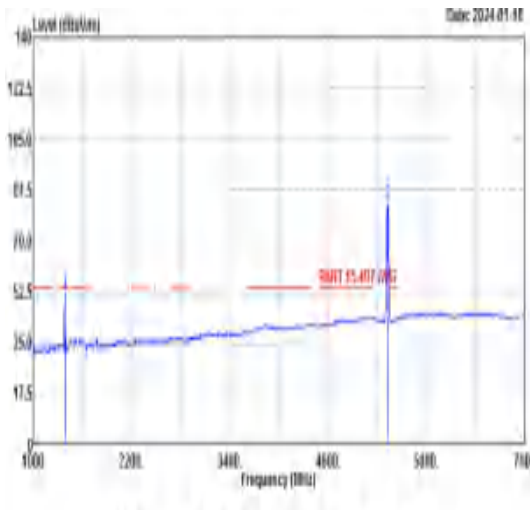


Mode	22																																																																																																												
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Peak Avg	Level (dBm/Hz) 140 132.5 125.0 117.5 110.0 102.5 95.0 87.5 80.0 72.5 65.0 57.5 50.0 42.5 35.0 27.5 20.0 12.5 5.0 -2.5 -10.0 -17.5 -25.0 -32.5 -40.0 -47.5 -55.0 -62.5 -70.0 -77.5 -85.0 -92.5 -100.0 8500 9000 9500 10000 10500 11000 11500 12000 12500 13000 13500 14000 14500 15000 15500 16000 Frequency (MHz) Date: 2024-01-20 <table><tr><th>Limit</th><th>PreA</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>10700.00</td><td>89.19</td><td>66.16</td><td>-18.92</td><td>61.99</td><td>-65.81</td><td>12.18</td><td>63.60</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>15700.00</td><td>12.45</td><td>74.00</td><td>-21.55</td><td>60.01</td><td>-60.93</td><td>14.00</td><td>64.07</td><td>---</td><td>Peak</td></tr></table>	Limit	PreA	Ant	Cable	Preamp	RF	TP	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor		MHz	dBm/Hz	dBm/Hz	dB	dBm	dB	dBm	dB	dB	1	10700.00	89.19	66.16	-18.92	61.99	-65.81	12.18	63.60	---	Peak	2	15700.00	12.45	74.00	-21.55	60.01	-60.93	14.00	64.07	---	Peak	Level (dBm/Hz) 140 132.5 125.0 117.5 110.0 102.5 95.0 87.5 80.0 72.5 65.0 57.5 50.0 42.5 35.0 27.5 20.0 12.5 5.0 -2.5 -10.0 -17.5 -25.0 -32.5 -40.0 -47.5 -55.0 -62.5 -70.0 -77.5 -85.0 -92.5 -100.0 8500 9000 9500 10000 10500 11000 11500 12000 12500 13000 13500 14000 14500 15000 15500 16000 Frequency (MHz) Date: 2024-01-20 <table><tr><th>Limit</th><th>PreA</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>10700.00</td><td>90.58</td><td>66.16</td><td>-17.72</td><td>63.19</td><td>-16.81</td><td>12.18</td><td>63.60</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>15700.00</td><td>09.07</td><td>74.00</td><td>-23.93</td><td>64.53</td><td>-40.92</td><td>14.00</td><td>64.07</td><td>295</td><td>160 Peak</td></tr><tr><td>3</td><td>15700.00</td><td>51.40</td><td>54.00</td><td>2.60</td><td>59.60</td><td>-40.92</td><td>14.00</td><td>64.07</td><td>295</td><td>160 Average</td></tr></table>	Limit	PreA	Ant	Cable	Preamp	RF	TP	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor		MHz	dBm/Hz	dBm/Hz	dB	dBm	dB	dBm	dB	dB	1	10700.00	90.58	66.16	-17.72	63.19	-16.81	12.18	63.60	---	Peak	2	15700.00	09.07	74.00	-23.93	64.53	-40.92	14.00	64.07	295	160 Peak	3	15700.00	51.40	54.00	2.60	59.60	-40.92	14.00	64.07	295	160 Average
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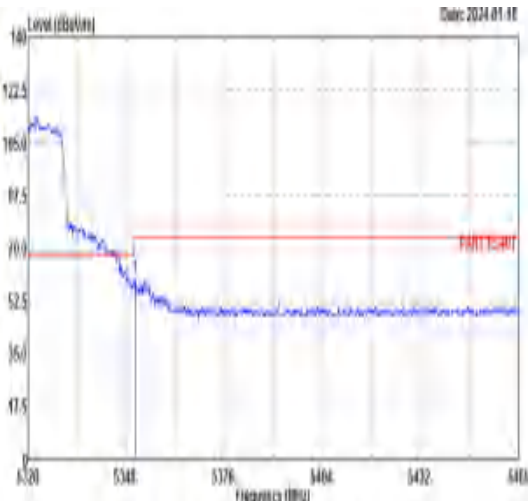
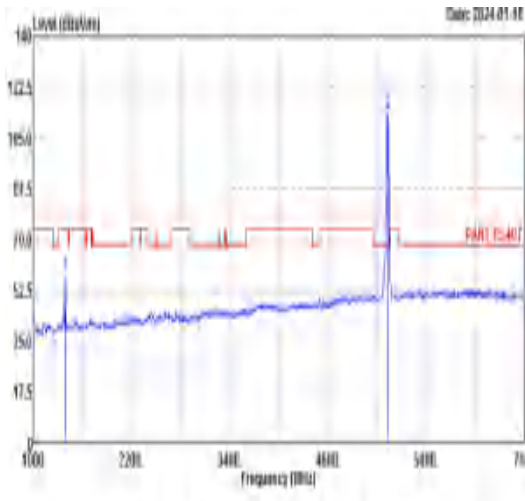
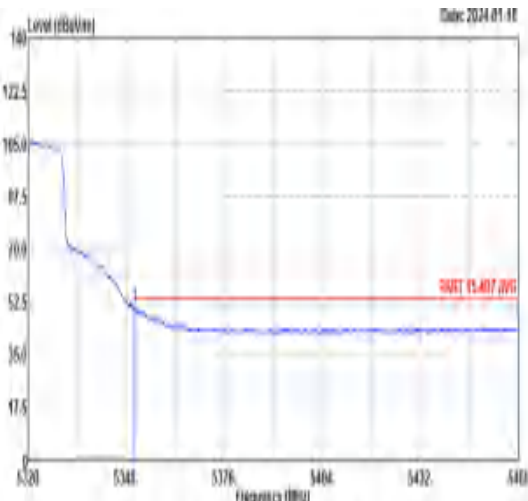
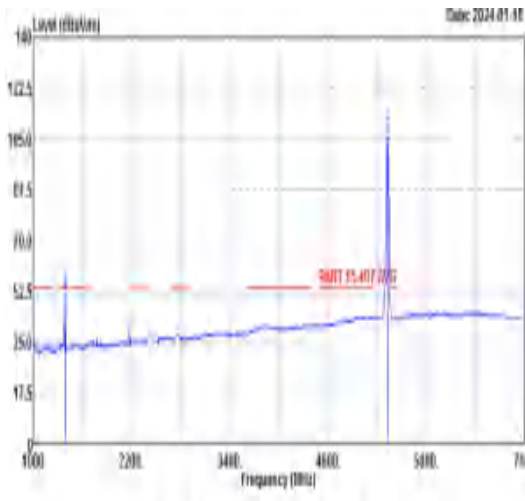


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ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	Level (dBm/Hz) 140 132.5 125.0 117.5 110.0 102.5 95.0 87.5 80.0 72.5 65.0 57.5 50.0 42.5 35.0 27.5 20.0 12.5 5.0 -2.5 -10.0 -17.5 -25.0 -32.5 -40.0 -47.5 -55.0 -62.5 -70.0 -77.5 -85.0 -92.5 -100.0 -107.5 -115.0 -122.5 -130.0 -137.5 -145.0 -152.5 -160.0 -167.5 -175.0 -182.5 -190.0 -197.5 -205.0 -212.5 -220.0 -227.5 -235.0 -242.5 -250.0 -257.5 -265.0 -272.5 -280.0 -287.5 -295.0 -302.5 -310.0 -317.5 -325.0 -332.5 -340.0 -347.5 -355.0 -362.5 -370.0 -377.5 -385.0 -392.5 -400.0 -407.5 -415.0 -422.5 -430.0 -437.5 -445.0 -452.5 -460.0 -467.5 -475.0 -482.5 -490.0 -497.5 -505.0 -512.5 -520.0 -527.5 -535.0 -542.5 -550.0 -557.5 -565.0 -572.5 -580.0 -587.5 -595.0 -602.5 -610.0 -617.5 -625.0 -632.5 -640.0 -647.5 -655.0 -662.5 -670.0 -677.5 -685.0 -692.5 -700.0 -707.5 -715.0 -722.5 -730.0 -737.5 -745.0 -752.5 -760.0 -767.5 -775.0 -782.5 -790.0 -797.5 -805.0 -812.5 -820.0 -827.5 -835.0 -842.5 -850.0 -857.5 -865.0 -872.5 -880.0 -887.5 -895.0 -902.5 -910.0 -917.5 -925.0 -932.5 -940.0 -947.5 -955.0 -962.5 -970.0 -977.5 -985.0 -992.5 -1000.0 Frequency (MHz) 5200 5600 6000 6400 6800 7200 7600 8000 8400 8800 9200 9600 10000 10400 10800 11200 11600 12000 12400 12800 13200 13600 14000 14400 14800 15200 15600 16000 16400 16800 17200 17600 18000 18400 18800 19200 19600 20000 20400 20800 21200 21600 22000 22400 22800 23200 23600 24000 24400 24800 25200 25600 26000 26400 26800 27200 27600 28000 28400 28800 29200 29600 30000 30400 30800 31200 31600 32000 32400 32800 33200 33600 34000 34400 34800 35200 35600 36000 36400 36800 37200 37600 38000 38400 38800 39200 39600 40000 40400 40800 41200 41600 42000 42400 42800 43200 43600 44000 44400 44800 45200 45600 46000 46400 46800 47200 47600 48000 48400 48800 49200 49600 50000 50400 50800 51200 51600 52000 52400 52800 53200 53600 54000 54400 54800 55200 55600 56000 56400 56800 57200 57600 58000 58400 58800 59200 59600 60000 60400 60800 61200 61600 62000 62400 62800 63200 63600 64000 64400 64800 65200 65600 66000 66400 66800 67200 67600 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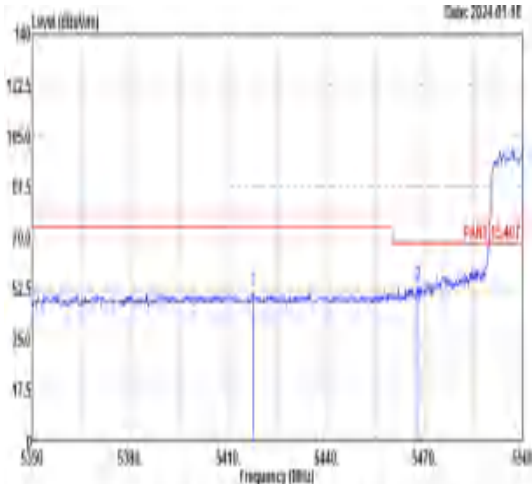
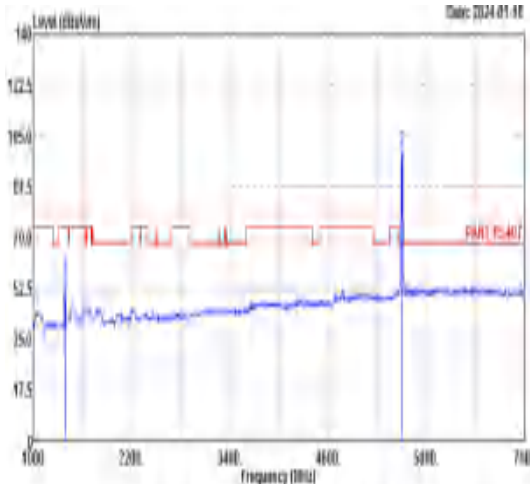
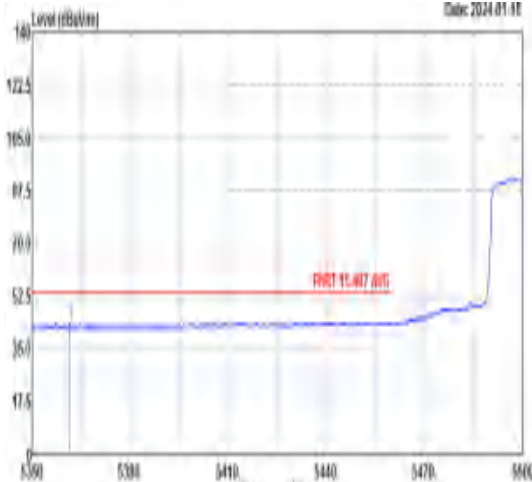
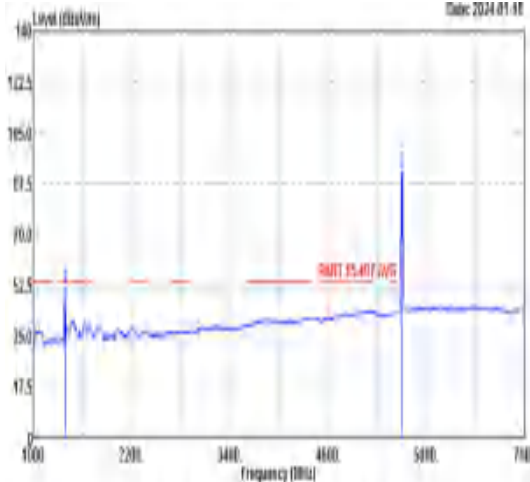


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Mode	24	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH64_Full_5320MHz	
ANT	CDD 0+1	
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Peak Avg	Level (dBm/Hz) 140 127.5 115.0 102.5 90.0 77.5 65.0 52.5 40.0 27.5 15.0 2.5 0 Frequency (MHz) 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000 10500 11000 11500 12000 12500 13000 13500 14000 14500 15000 15500 16000 16500 17000 17500 18000 18500 19000 19500 20000 20500 21000 21500 22000 22500 23000 23500 24000 24500 25000 25500 26000 26500 27000 27500 28000 28500 29000 29500 30000 30500 31000 31500 32000 32500 33000 33500 34000 34500 35000 35500 36000 36500 37000 37500 38000 38500 39000 39500 40000 40500 41000 41500 42000 42500 43000 43500 44000 44500 45000 45500 46000 46500 47000 47500 48000 48500 49000 49500 50000 50500 51000 51500 52000 52500 53000 53500 54000 54500 55000 55500 56000 56500 57000 57500 58000 58500 59000 59500 60000 60500 61000 61500 62000 62500 63000 63500 64000 64500 65000 65500 66000 66500 67000 67500 68000 68500 69000 69500 70000 70500 71000 71500 72000 72500 73000 73500 74000 74500 75000 75500 76000 76500 77000 77500 78000 78500 79000 79500 80000 80500 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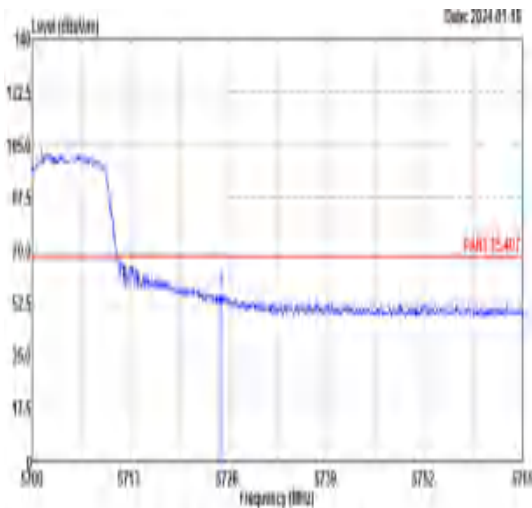
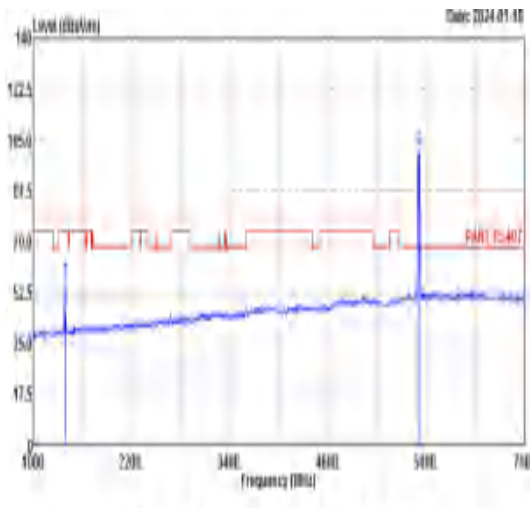
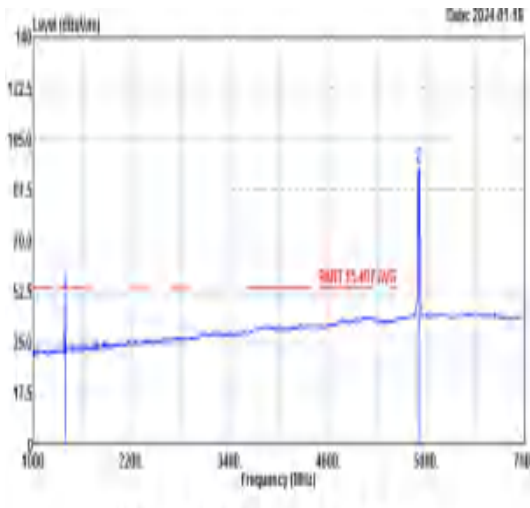


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Mode	26	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11ax HE20_CH116_5580MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	Level (dBuV/m) 110.0 107.5 105.0 102.5 100.0 97.5 95.0 92.5 90.0 87.5 85.0 82.5 80.0 77.5 75.0 72.5 70.0 67.5 65.0 62.5 60.0 57.5 55.0 52.5 50.0 47.5 45.0 42.5 40.0 37.5 35.0 32.5 30.0 27.5 25.0 22.5 20.0 17.5 15.0 12.5 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0 -12.5 -15.0 -17.5 -20.0 -22.5 -25.0 -27.5 -30.0 -32.5 -35.0 -37.5 -40.0 -42.5 -45.0 -47.5 -50.0 -52.5 -55.0 -57.5 -60.0 -62.5 -65.0 -67.5 -70.0 -72.5 -75.0 -77.5 -80.0 -82.5 -85.0 -87.5 -90.0 -92.5 -95.0 -97.5 -100.0 -102.5 -105.0 -107.5 -110.0 -112.5 -115.0 -117.5 -120.0 -122.5 -125.0 -127.5 -130.0 -132.5 -135.0 -137.5 -140.0 -142.5 -145.0 -147.5 -150.0 -152.5 -155.0 -157.5 -160.0 -162.5 -165.0 -167.5 -170.0 -172.5 -175.0 -177.5 -180.0 -182.5 -185.0 -187.5 -190.0 -192.5 -195.0 -197.5 -200.0 -202.5 -205.0 -207.5 -210.0 -212.5 -215.0 -217.5 -220.0 -222.5 -225.0 -227.5 -230.0 -232.5 -235.0 -237.5 -240.0 -242.5 -245.0 -247.5 -250.0 -252.5 -255.0 -257.5 -260.0 -262.5 -265.0 -267.5 -270.0 -272.5 -275.0 -277.5 -280.0 -282.5 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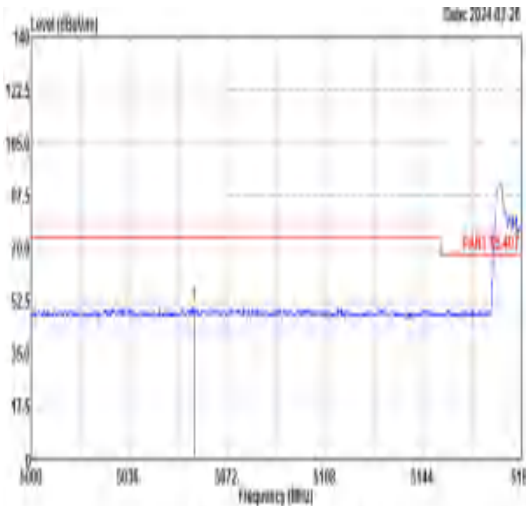
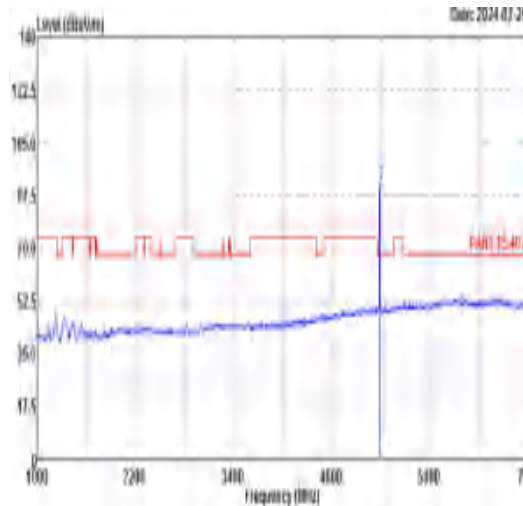
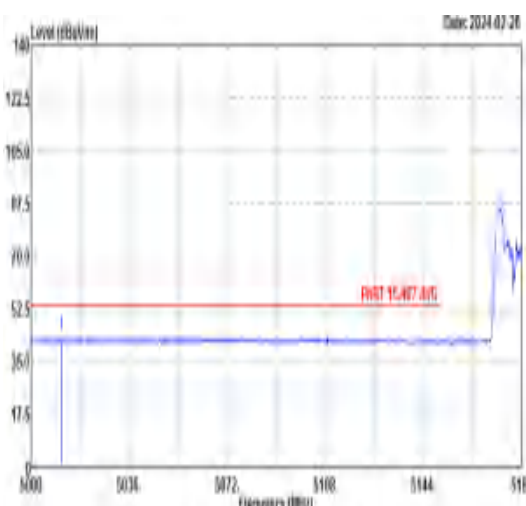
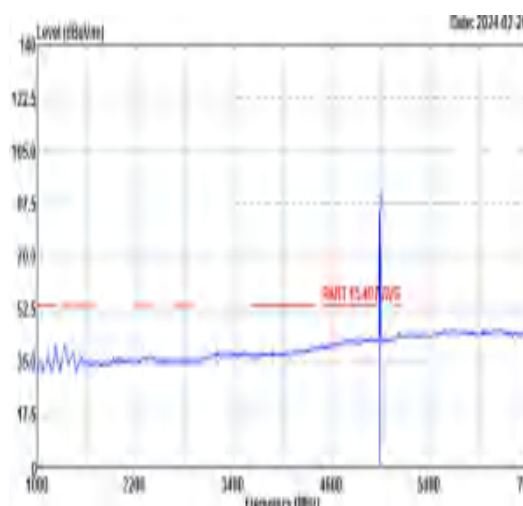


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Peak	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>TP</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBm</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5725.16</td><td>66.26</td><td>68.30</td><td>-2.04</td><td>52.25</td><td>16.32</td><td>16.02</td><td>57.21</td><td>267</td><td>161</td><td>PEAK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Att	TP	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor		MHz	dBm	dBm	dB	dBm	dB	dB	dB	dB	1	5725.16	66.26	68.30	-2.04	52.25	16.32	16.02	57.21	267	161	PEAK	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>TP</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBm</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5700.00</td><td>52.88</td><td>24.00</td><td>-15.12</td><td>58.82</td><td>23.42</td><td>4.43</td><td>16.44</td><td>267</td><td>161</td><td>PEAK</td></tr><tr><td>2</td><td>5700.00</td><td>111.50</td><td>-</td><td>-</td><td>97.54</td><td>16.10</td><td>9.97</td><td>12.20</td><td>267</td><td>161</td><td>PEAK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Att	TP	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor		MHz	dBm	dBm	dB	dBm	dB	dB	dB	dB	1	5700.00	52.88	24.00	-15.12	58.82	23.42	4.43	16.44	267	161	PEAK	2	5700.00	111.50	-	-	97.54	16.10	9.97	12.20	267	161	PEAK
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1	5725.16	66.26	68.30	-2.04	52.25	16.32	16.02	57.21	267	161	PEAK																																																																																	
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Mode	27	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11ax HE20_CH140_5700MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	Level (dBm/Hz) 100 97.5 95.0 92.5 90.0 87.5 85.0 82.5 80.0 77.5 75.0 72.5 70.0 67.5 65.0 62.5 60.0 57.5 55.0 52.5 50.0 47.5 45.0 42.5 40.0 37.5 35.0 32.5 30.0 27.5 25.0 22.5 20.0 17.5 15.0 12.5 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0 -12.5 -15.0 -17.5 -20.0 -22.5 -25.0 -27.5 -30.0 -32.5 -35.0 -37.5 -40.0 -42.5 -45.0 -47.5 -50.0 -52.5 -55.0 -57.5 -60.0 -62.5 -65.0 -67.5 -70.0 -72.5 -75.0 -77.5 -80.0 -82.5 -85.0 -87.5 -90.0 -92.5 -95.0 -97.5 -100.0 Frequency (MHz) 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000 10500 11000 11500 12000 12500 13000 13500 14000 14500 15000 15500 16000 16500 17000 17500 18000 18500 19000 19500 20000 20500 21000 21500 22000 22500 23000 23500 24000 24500 25000 25500 26000 26500 27000 27500 28000 28500 29000 29500 30000 30500 31000 31500 32000 32500 33000 33500 34000 34500 35000 35500 36000 36500 37000 37500 38000 38500 39000 39500 40000 40500 41000 41500 42000 42500 43000 43500 44000 44500 45000 45500 46000 46500 47000 47500 48000 48500 49000 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Mode	28																																																																						
	Band Edge																																																																						
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ANT	CDD 0+1																																																																						
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Avg	<table><tr><th>Limit Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Abs</th><th>Tloss</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>(dB)</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><th></th><th>mic</th><th>dBm/u</th><th>dBm/u</th><th>dBm</th><th>dB/u</th><th>dB</th><th>cn</th><th>deg</th></tr><tr><td>1</td><td>5000.90</td><td>43.31</td><td>54.00</td><td>-10.69</td><td>11.11</td><td>16.19</td><td>8.31</td><td>72.70</td><td>23 AVERAGE</td></tr></table>	Limit Margin	Read	Ant	Cable	Pump	Abs	Tloss	Remark	Freq	Level	Line	(dB)	Level	Factor	Loss Factor			mic	dBm/u	dBm/u	dBm	dB/u	dB	cn	deg	1	5000.90	43.31	54.00	-10.69	11.11	16.19	8.31	72.70	23 AVERAGE	<table><tr><th>Limit Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Abs</th><th>Tloss</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>(dB)</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><th></th><th>mic</th><th>dBm/u</th><th>dBm/u</th><th>dBm</th><th>dB/u</th><th>dB</th><th>cn</th><th>deg</th></tr><tr><td>1</td><td>5180.00</td><td>04.86</td><td>72.86</td><td>16.10</td><td>8.57</td><td>72.07</td><td>279</td><td>23 AVERAGE</td></tr></table>	Limit Margin	Read	Ant	Cable	Pump	Abs	Tloss	Remark	Freq	Level	Line	(dB)	Level	Factor	Loss Factor			mic	dBm/u	dBm/u	dBm	dB/u	dB	cn	deg	1	5180.00	04.86	72.86	16.10	8.57	72.07	279	23 AVERAGE
	Limit Margin	Read	Ant	Cable	Pump	Abs	Tloss	Remark																																																															
Freq	Level	Line	(dB)	Level	Factor	Loss Factor																																																																	
	mic	dBm/u	dBm/u	dBm	dB/u	dB	cn	deg																																																															
1	5000.90	43.31	54.00	-10.69	11.11	16.19	8.31	72.70	23 AVERAGE																																																														
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Mode	28																																																																						

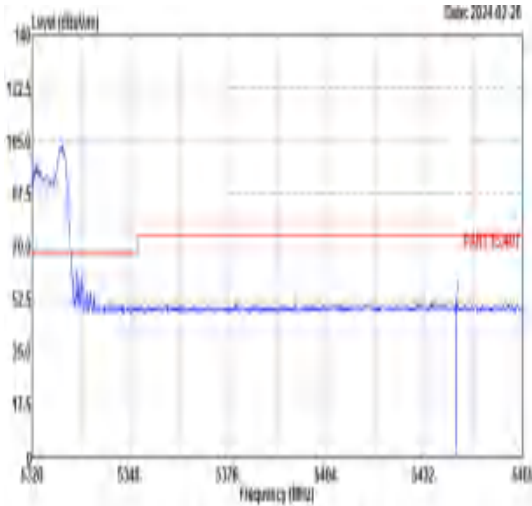
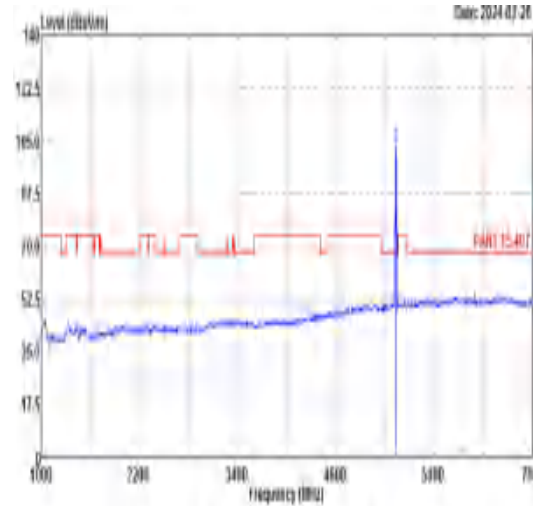
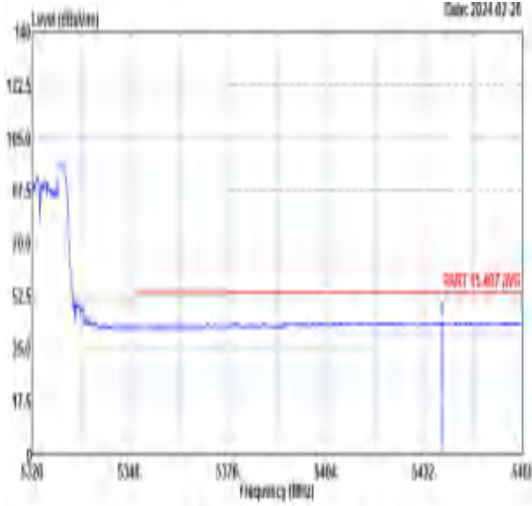
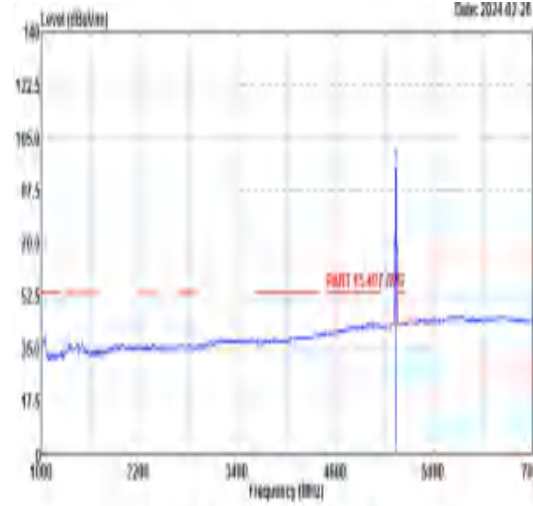


	Band Edge																																																															
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5180.00	100.00	100.00	0.00	99.38	16.10	8.97	72.07																																																									
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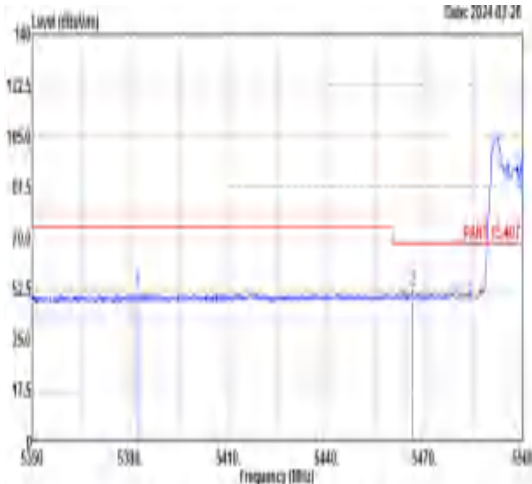
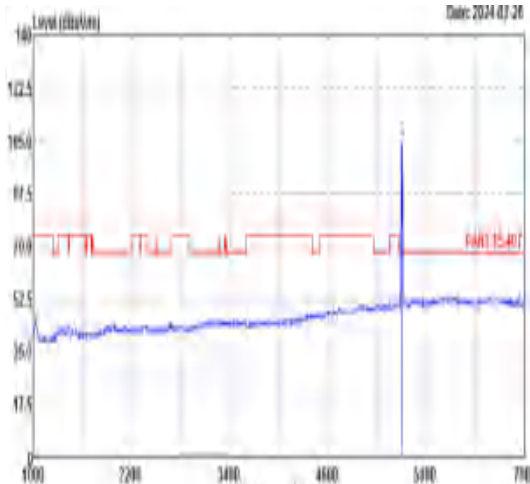
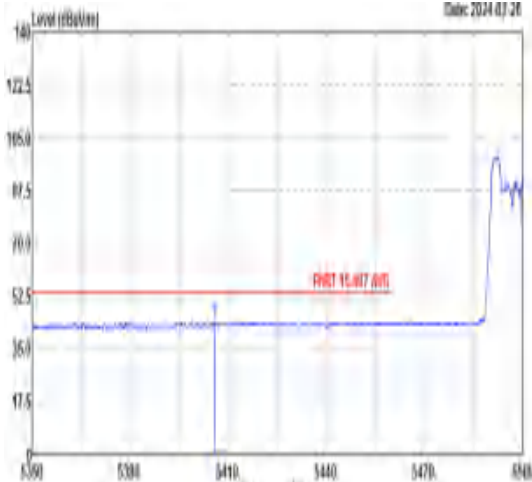
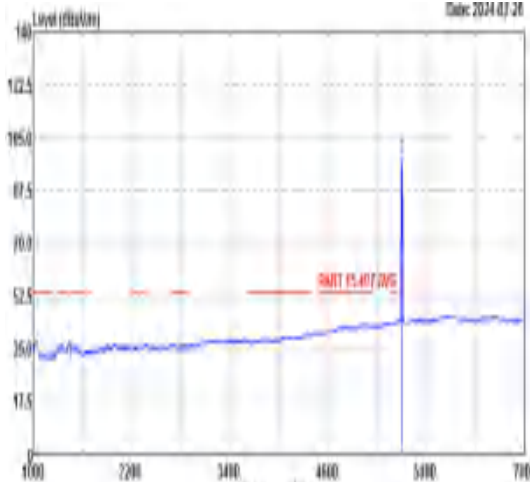


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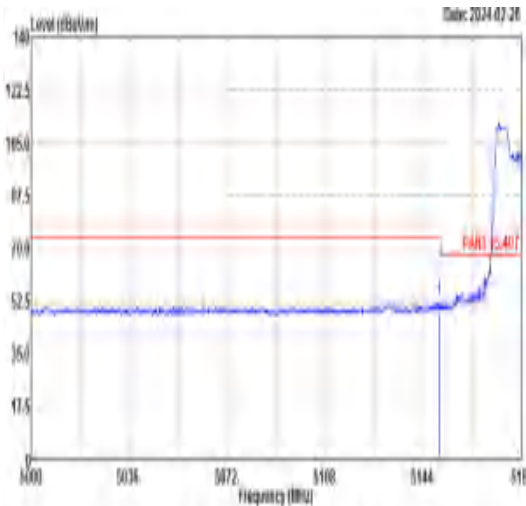
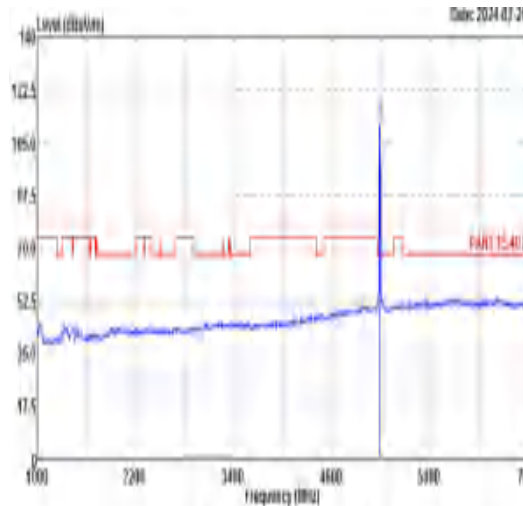
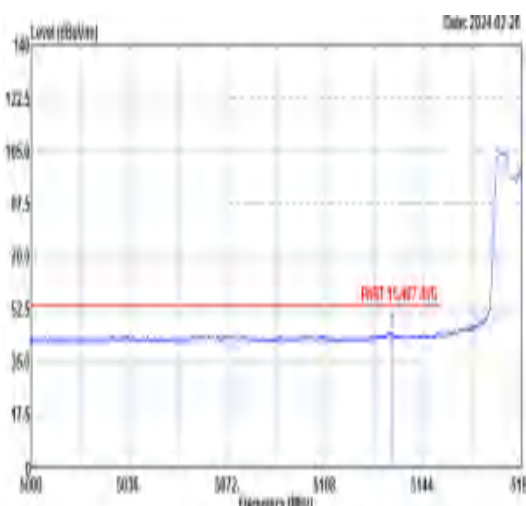
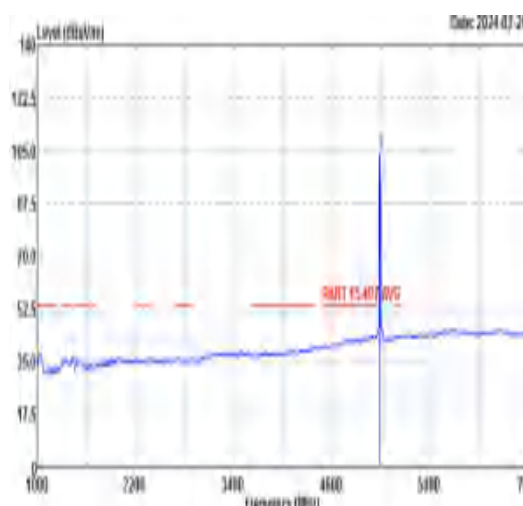


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Mode	Band Edge	
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Pol.	Vertical	Fundamental
Peak		

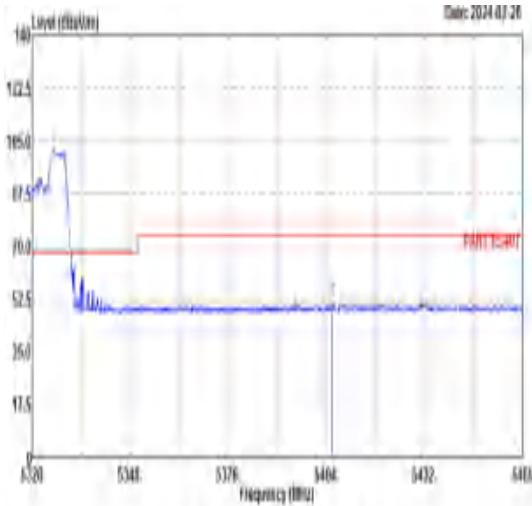
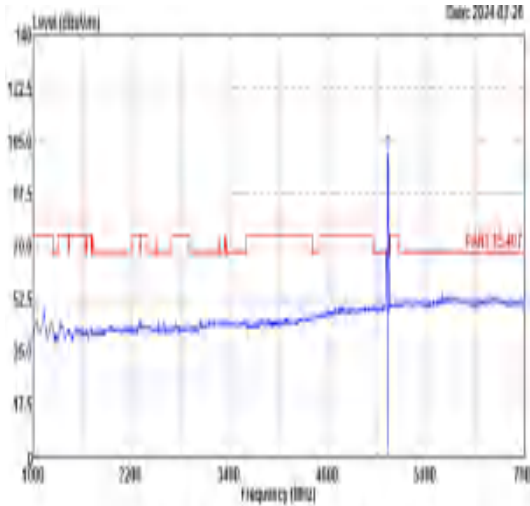
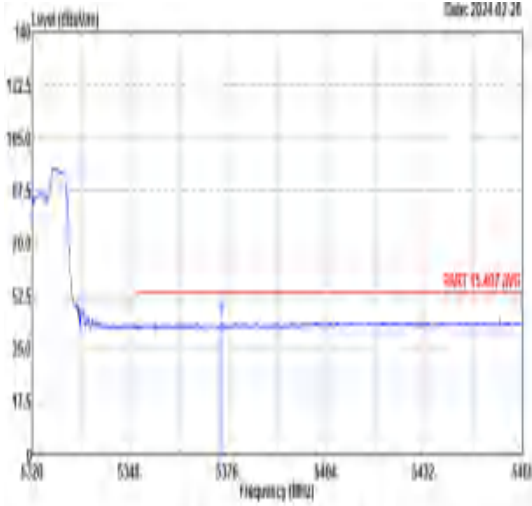
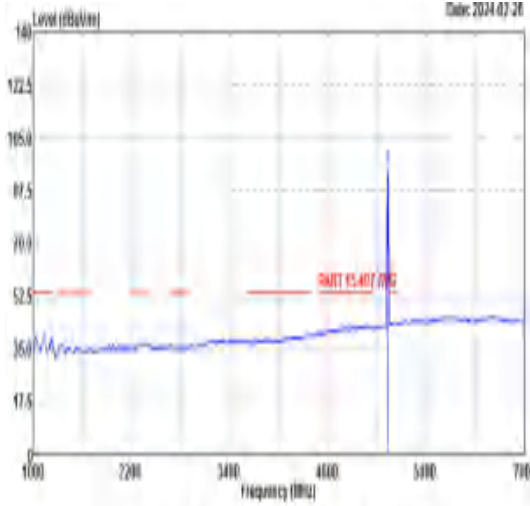


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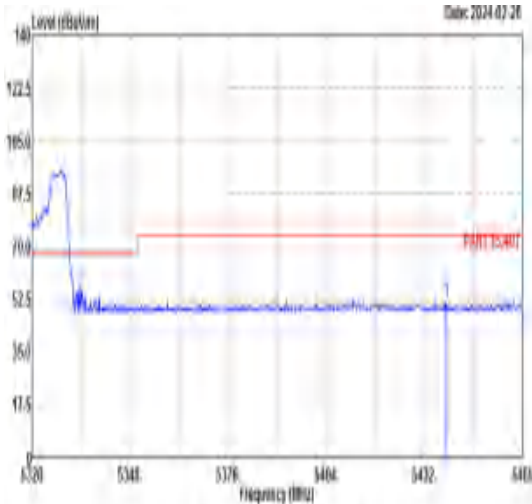
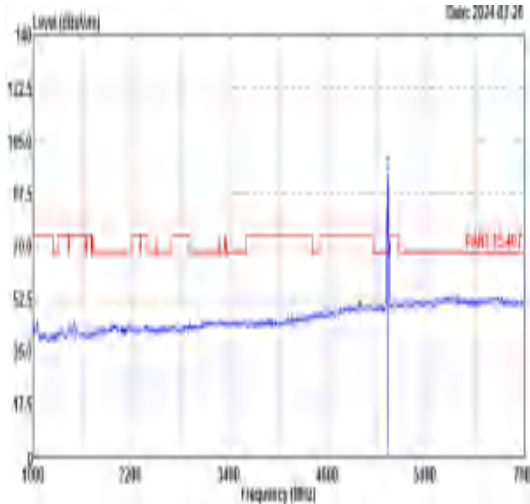
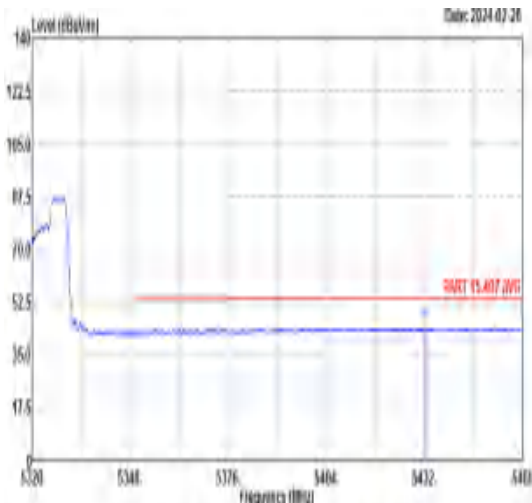
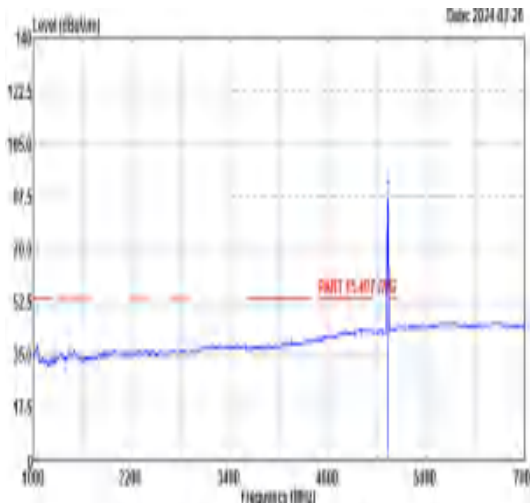


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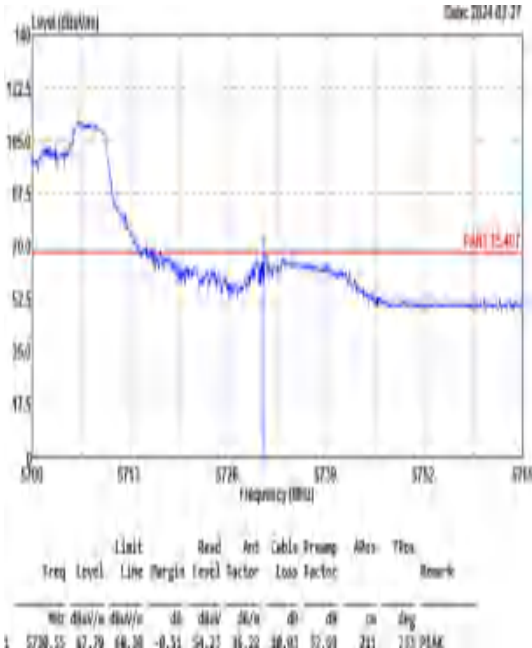
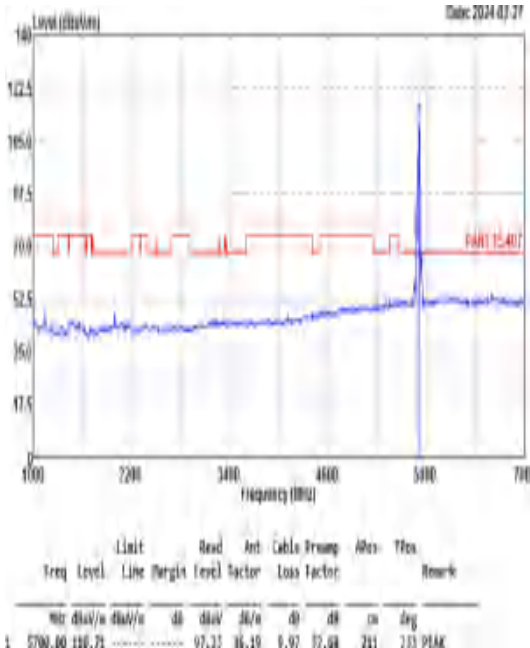
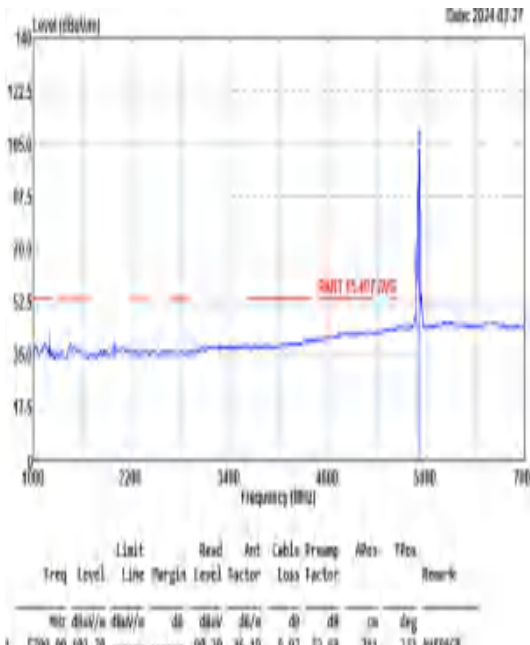


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1	5451.55	54.15	76.00	-19.85	31.15	35.91	9.88	12.41	281	121 PEAK																																																																																				
2	5462.95	53.82	68.30	-14.48	40.82	31.02	9.09	12.41	281	121 PEAK																																																																																				
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1	5500.00	112.07	-----	69.87	35.90	6.70	12.00	281	121 PEAK																																																																																					
Avg	<table><tr><th></th><th>Limit</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Att</th><th>Thru</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>(dB)</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th><th></th><th>Remark</th></tr><tr><td></td><td>me</td><td>dBm/m</td><td>dBm/m</td><td>dBm</td><td>dB/m</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td></tr><tr><td>1</td><td>5451.25</td><td>46.84</td><td>54.00</td><td>-7.30</td><td>33.44</td><td>35.91</td><td>9.64</td><td>12.41</td><td>281</td><td>121 AVERAGE</td></tr></table>		Limit	Margin	Read	Ant	Cable	Pump	Att	Thru		Freq	Level	Line	(dB)	Level	Factor	Loss Factor			Remark		me	dBm/m	dBm/m	dBm	dB/m	dB	dB	cm	deg	1	5451.25	46.84	54.00	-7.30	33.44	35.91	9.64	12.41	281	121 AVERAGE	<table><tr><th></th><th>Limit</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Att</th><th>Thru</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>(dB)</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th><th></th><th>Remark</th></tr><tr><td></td><td>me</td><td>dBm/m</td><td>dBm/m</td><td>dBm</td><td>dB/m</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td></tr><tr><td>1</td><td>5500.00</td><td>105.71</td><td>-----</td><td>62.71</td><td>35.90</td><td>6.70</td><td>12.00</td><td>281</td><td>121 AVERAGE</td></tr></table>		Limit	Margin	Read	Ant	Cable	Pump	Att	Thru		Freq	Level	Line	(dB)	Level	Factor	Loss Factor			Remark		me	dBm/m	dBm/m	dBm	dB/m	dB	dB	cm	deg	1	5500.00	105.71	-----	62.71	35.90	6.70	12.00	281	121 AVERAGE											
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	39																																																																	
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Limit	Read	Ant	Cable	Pramp	Ploss	Tloss	Remark																																																											
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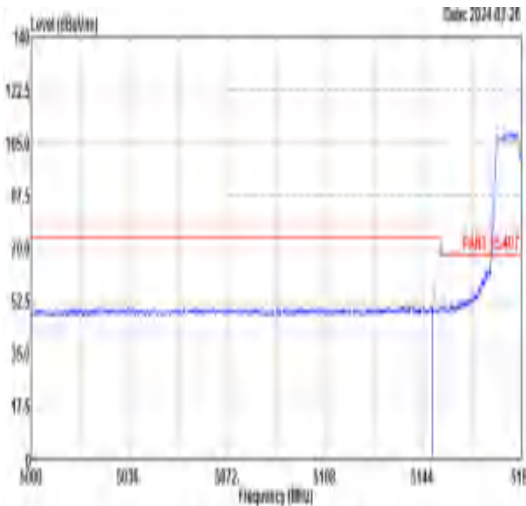
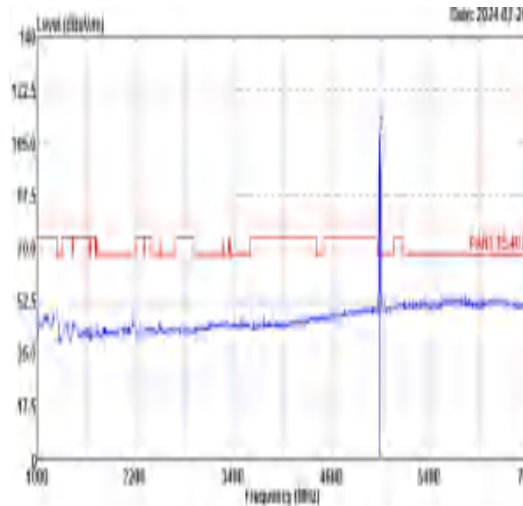
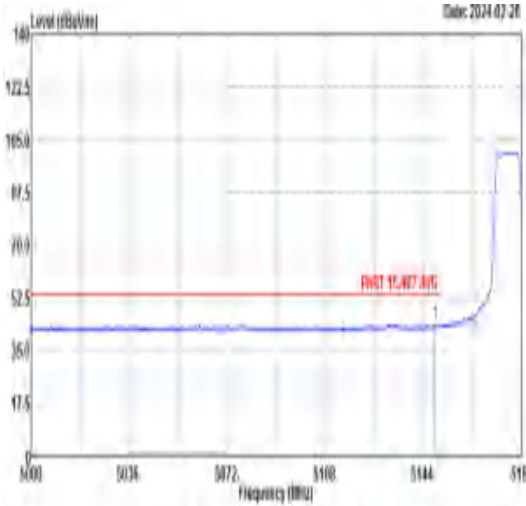
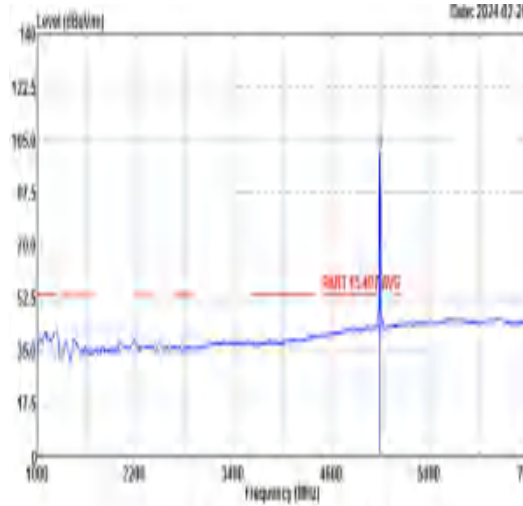


Mode	39																																																																	
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Limit	Read	Ant	Cable	Pramp	Abs	Ths	Remark																																																											
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1	5700.00	101.70	-----	98.30	16.10	6.97	72.08																																																											



Mode	40	
	Band Edge	
	U-NII-1_5.15-5.25_802.11ax HE20_CH36_Partial_5180MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak	Level (dBm) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 500 1034 1568 2102 2636 3170 Frequency (MHz) Limit Margin Read Ant Cable Pump Attn TTxn Freq Level Line (dB) Level Factor Loss Factor cn dgm Remark 1 5180.96 50.04 74.00 -23.06 10.07 16.12 8.52 12.07 279 23 PLAK	Level (dBm) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 1000 2200 3400 4600 5800 7000 Frequency (MHz) Limit Margin Read Ant Cable Pump Attn TTxn Freq Level Line (dB) Level Factor Loss Factor cn dgm Remark 1 5180.00 96.41 84.40 16.00 8.50 12.06 279 23 PLAK
Avg	Level (dBm) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 500 1034 1568 2102 2636 3170 Frequency (MHz) Limit Margin Read Ant Cable Pump Attn TTxn Freq Level Line (dB) Level Factor Loss Factor cn dgm Remark 1 5053.64 41.63 54.00 -10.37 11.79 16.17 8.36 12.01 279 23 AVERAGE	Level (dBm) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 1000 2200 3400 4600 5800 7000 Frequency (MHz) Limit Margin Read Ant Cable Pump Attn TTxn Freq Level Line (dB) Level Factor Loss Factor cn dgm Remark 1 5180.00 88.04 76.03 16.00 8.50 12.06 279 23 AVERAGE

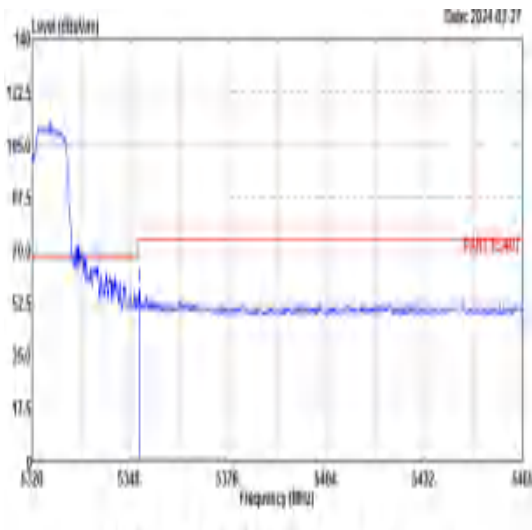
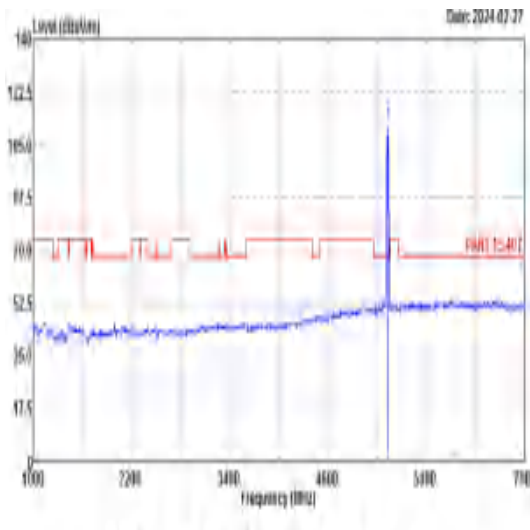
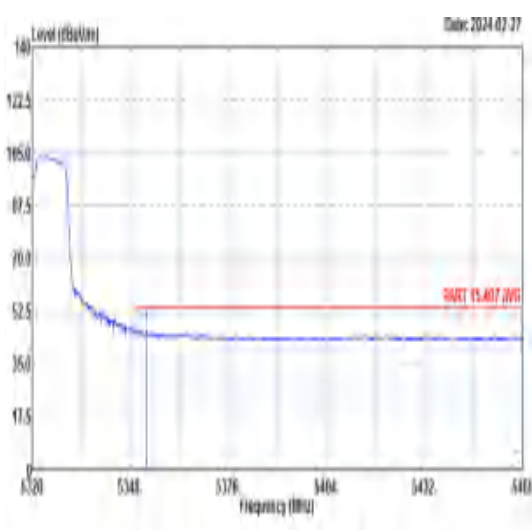
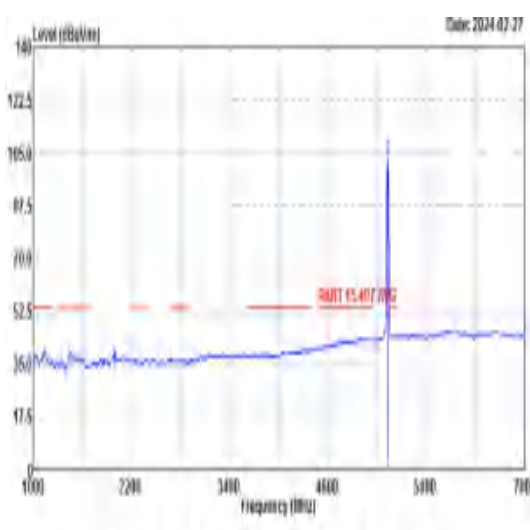


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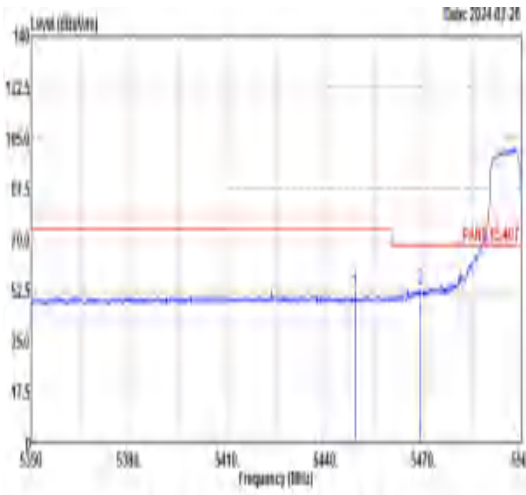
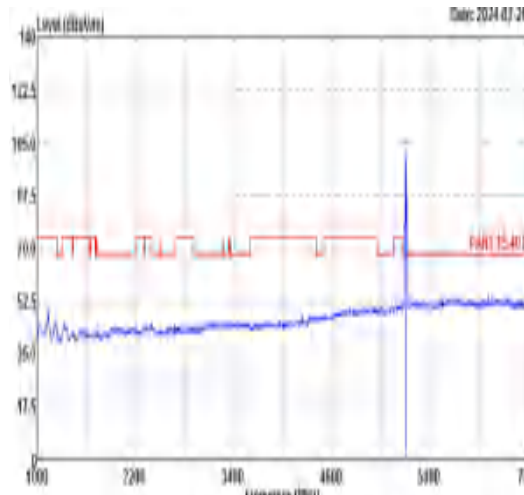
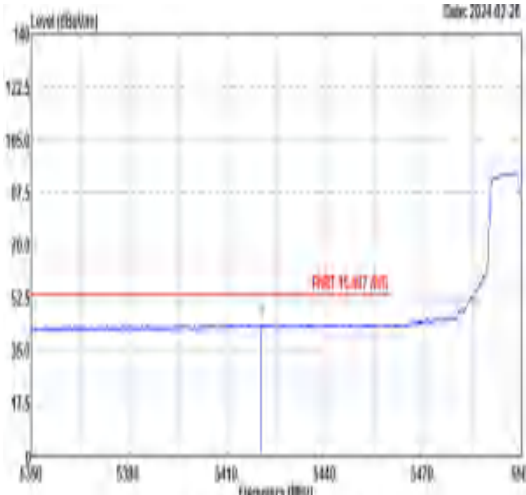
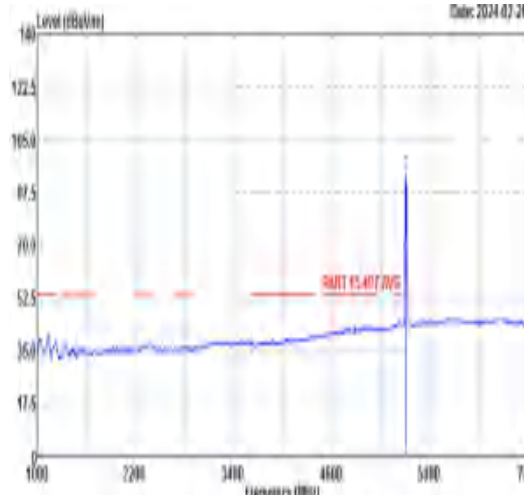


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Mode	Band Edge																																																																			
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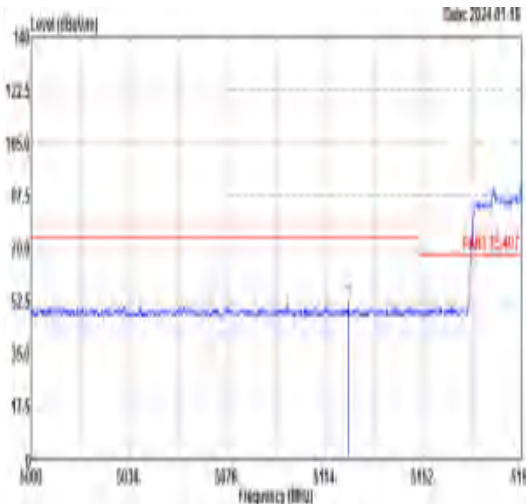
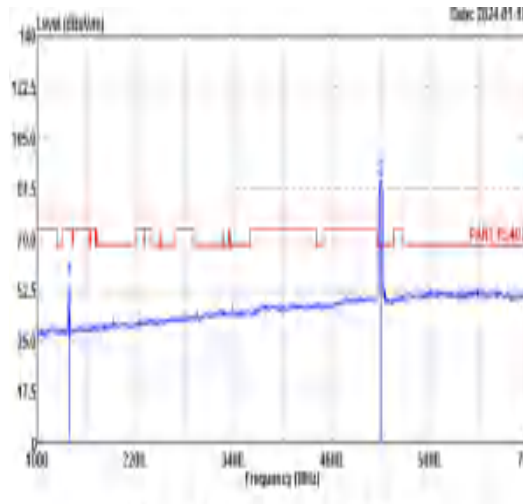
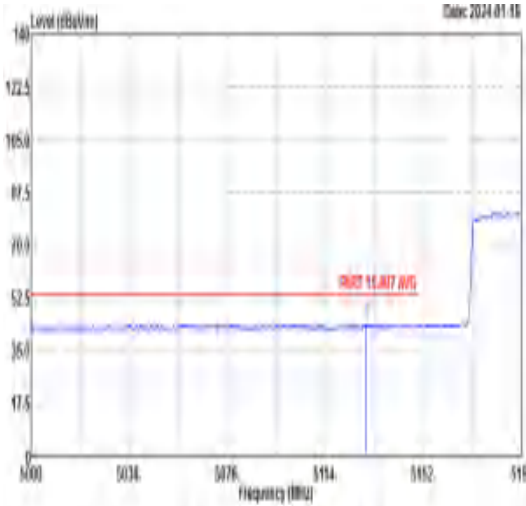
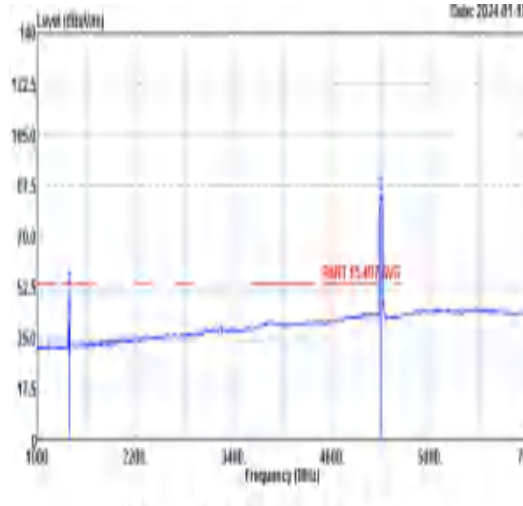


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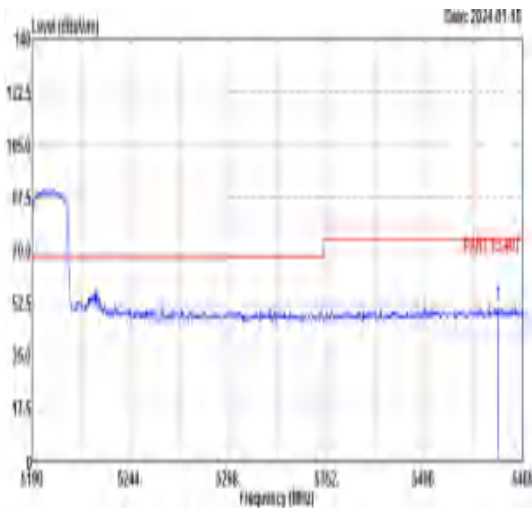
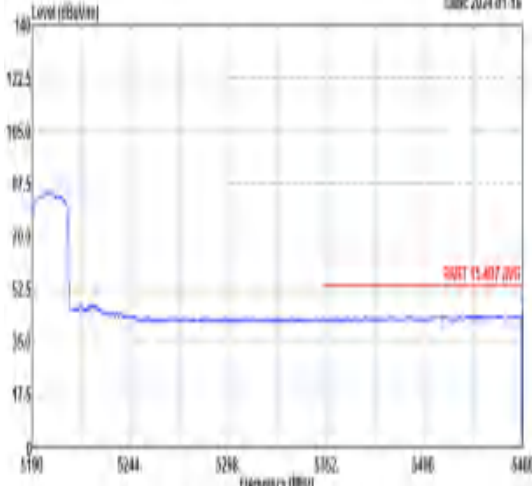


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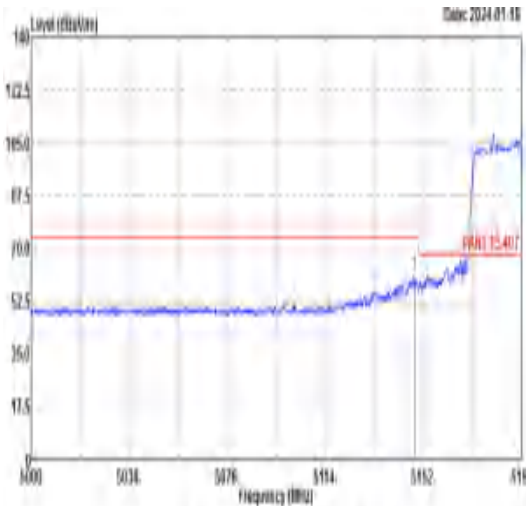
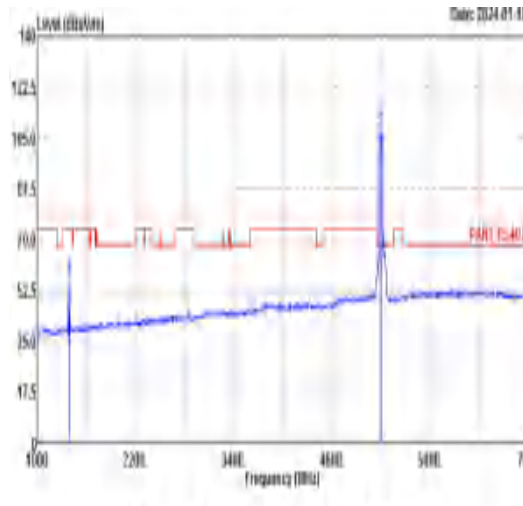
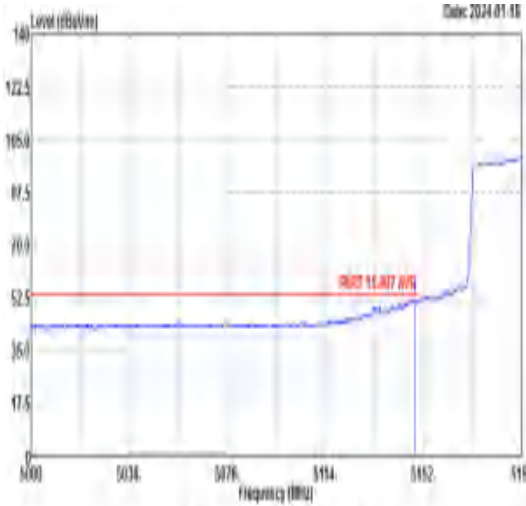
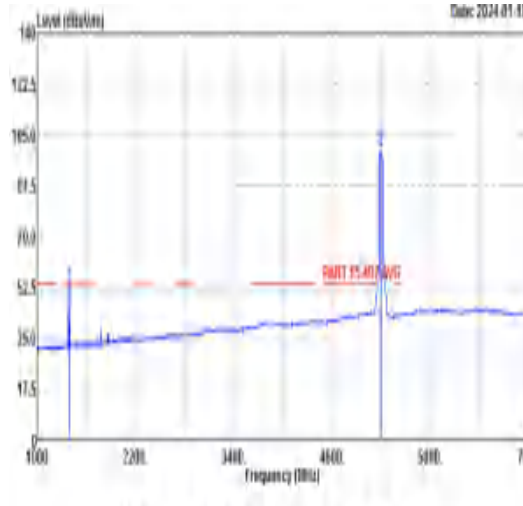


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Avg	 Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a blue trace with a sharp peak at 5190 MHz. A red limit line is at 70.0 dBuV/m. The peak is labeled 'PART 15.407 AVG'. <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/u</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5120.50</td><td>44.54</td><td>54.00</td><td>-9.46</td><td>-32.44</td><td>16.12</td><td>8.50</td><td>12.52</td><td>200</td><td>270</td><td>AVERAGE</td></tr></tbody></table>		Limit	Read	Ant	Cable	Pump	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	cm	deg	1	5120.50	44.54	54.00	-9.46	-32.44	16.12	8.50	12.52	200	270	AVERAGE	 Level (dBuV/m) vs Frequency (MHz) plot for Fundamental polarization. The plot shows a blue trace with a sharp peak at 5190 MHz. A red limit line is at 70.0 dBuV/m. The peak is labeled 'PART 15.407 AVG'. <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/u</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5185.00</td><td>51.75</td><td>54.00</td><td>-2.25</td><td>-42.69</td><td>25.42</td><td>4.17</td><td>16.49</td><td>200</td><td>270</td><td>AVERAGE</td></tr><tr><td>2</td><td>5190.00</td><td>44.50</td><td>54.00</td><td>-9.50</td><td>-32.21</td><td>16.00</td><td>8.61</td><td>12.42</td><td>200</td><td>270</td><td>AVERAGE</td></tr></tbody></table>		Limit	Read	Ant	Cable	Pump	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	cm	deg	1	5185.00	51.75	54.00	-2.25	-42.69	25.42	4.17	16.49	200	270	AVERAGE	2	5190.00	44.50	54.00	-9.50	-32.21	16.00	8.61	12.42	200	270	AVERAGE
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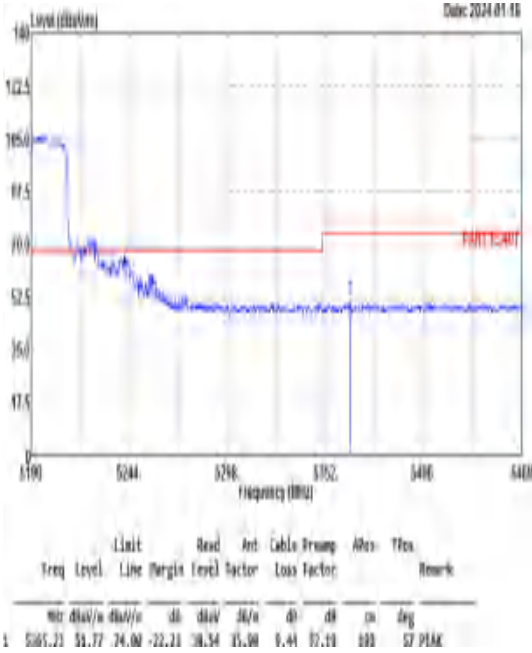
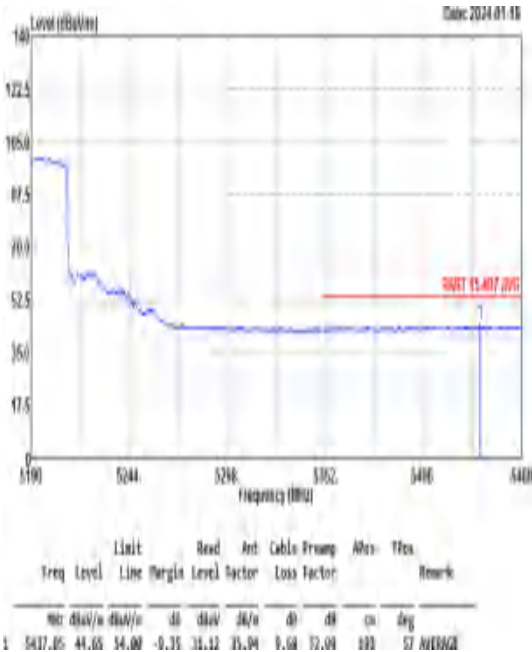


Mode	46																																								
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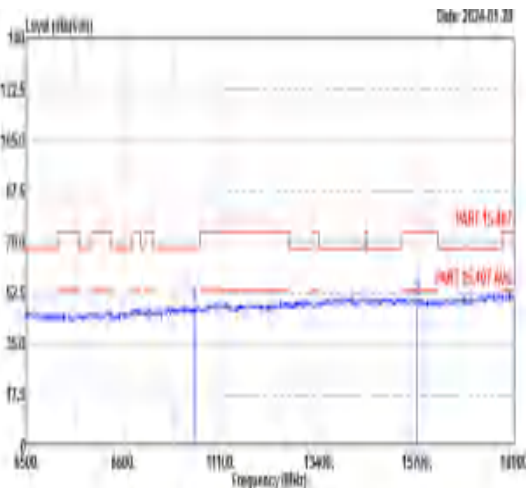
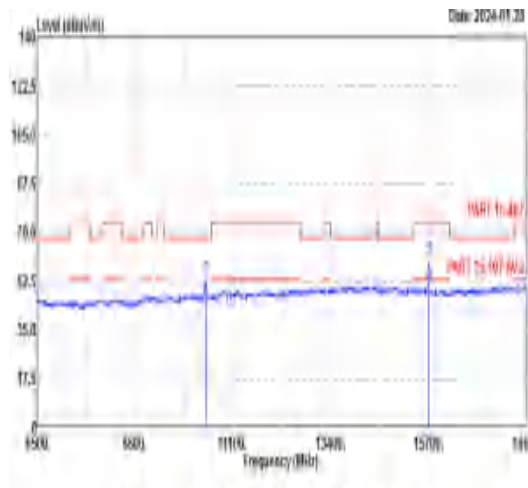
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Mode	46	
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Pol.	Vertical	Fundamental
Peak		Blank
Avg		Blank



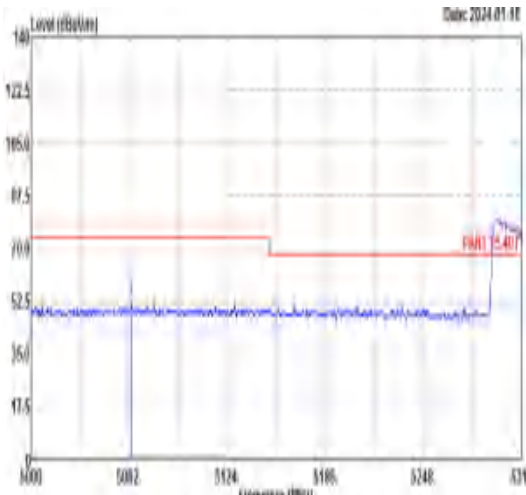
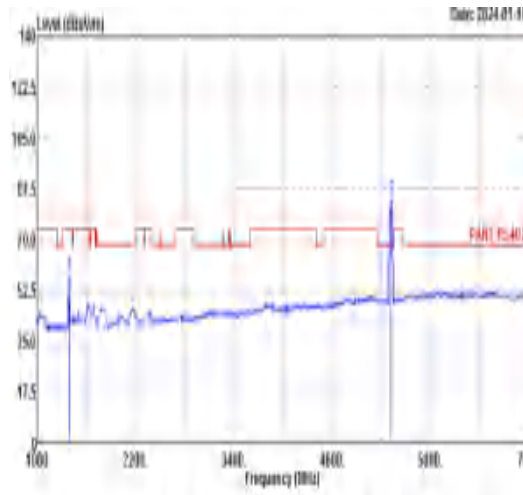
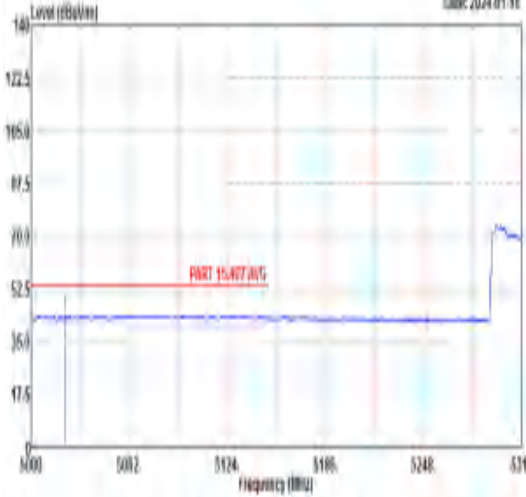
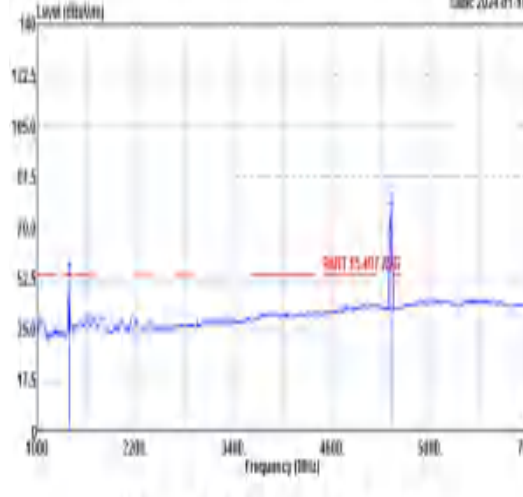
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Peak Avg	 Horizontal Peak Spectrum Plot showing Level (dBm/Hz) vs Frequency (MHz). The plot displays a red line for the signal and a blue line for the noise floor. The signal level is approximately 70 dBm/Hz, and the noise floor is approximately 62 dBm/Hz. The frequency range is from 5100 to 5230 MHz. <table><thead><tr><th>Unit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Peak</th><th>TPeak</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th>Hz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dBm</th><th>dB/m</th><th>dB</th><th>dB</th><th>Reg</th></tr></thead><tbody><tr><td>1</td><td>5100.00</td><td>67.46</td><td>64.36</td><td>-30.64</td><td>66.32</td><td>68.79</td><td>12.13</td><td>63.63</td></tr><tr><td>2</td><td>5230.00</td><td>58.47</td><td>74.00</td><td>-23.53</td><td>58.08</td><td>60.87</td><td>14.65</td><td>64.04</td></tr></tbody></table>	Unit	Band	Ant	Cable	Preamp	Att	Peak	TPeak	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor		Hz	dBm/Hz	dBm/Hz	dB	dBm	dB/m	dB	dB	Reg	1	5100.00	67.46	64.36	-30.64	66.32	68.79	12.13	63.63	2	5230.00	58.47	74.00	-23.53	58.08	60.87	14.65	64.04	 Horizontal Average Spectrum Plot showing Level (dBm/Hz) vs Frequency (MHz). The plot displays a red line for the signal and a blue line for the noise floor. The signal level is approximately 70 dBm/Hz, and the noise floor is approximately 62 dBm/Hz. The frequency range is from 5100 to 5230 MHz. <table><thead><tr><th>Unit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Peak</th><th>TPeak</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th>Hz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dBm</th><th>dB/m</th><th>dB</th><th>dB</th><th>Reg</th></tr></thead><tbody><tr><td>1</td><td>5100.00</td><td>51.82</td><td>68.00</td><td>-16.08</td><td>66.52</td><td>68.79</td><td>12.13</td><td>63.62</td></tr><tr><td>2</td><td>5230.00</td><td>58.87</td><td>74.00</td><td>-14.93</td><td>66.51</td><td>68.85</td><td>14.45</td><td>64.04</td></tr><tr><td>3</td><td>5230.00</td><td>51.80</td><td>54.00</td><td>-2.20</td><td>66.34</td><td>68.85</td><td>14.65</td><td>64.04</td></tr></tbody></table>	Unit	Band	Ant	Cable	Preamp	Att	Peak	TPeak	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor		Hz	dBm/Hz	dBm/Hz	dB	dBm	dB/m	dB	dB	Reg	1	5100.00	51.82	68.00	-16.08	66.52	68.79	12.13	63.62	2	5230.00	58.87	74.00	-14.93	66.51	68.85	14.45	64.04	3	5230.00	51.80	54.00	-2.20	66.34	68.85	14.65	64.04
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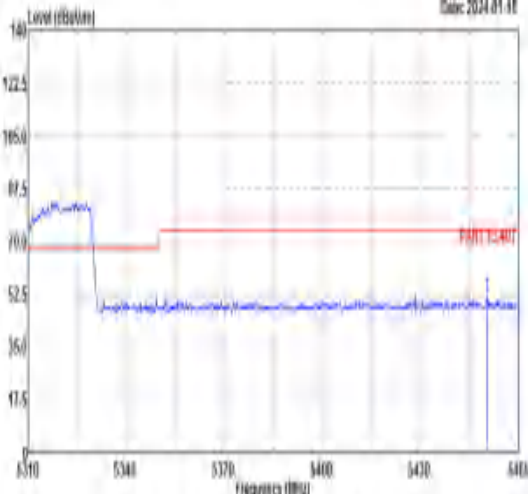
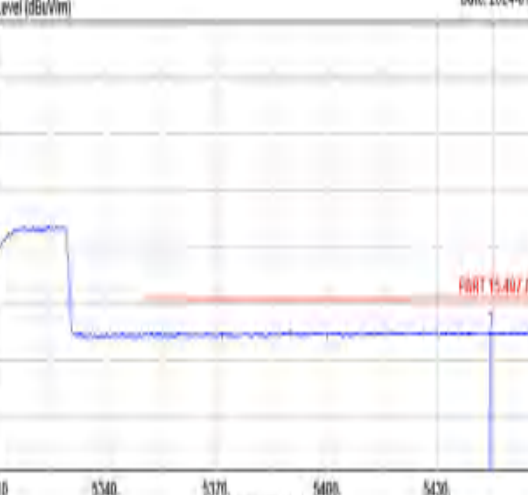


Mode	48																																																																																									
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Peak Avg	Level (dBm/Hz) 100 97.5 95.0 92.5 90.0 87.5 85.0 82.5 80.0 77.5 75.0 72.5 70.0 67.5 65.0 62.5 60.0 57.5 55.0 52.5 50.0 47.5 45.0 42.5 40.0 37.5 35.0 32.5 30.0 27.5 25.0 22.5 20.0 17.5 15.0 12.5 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0 -12.5 -15.0 -17.5 -20.0 -22.5 -25.0 -27.5 -30.0 -32.5 -35.0 -37.5 -40.0 -42.5 -45.0 -47.5 -50.0 -52.5 -55.0 -57.5 -60.0 -62.5 -65.0 -67.5 -70.0 -72.5 -75.0 -77.5 -80.0 -82.5 -85.0 -87.5 -90.0 -92.5 -95.0 -97.5 -100.0 Frequency (MHz) 5250 5300 5350 5400 5450 5500 Limit Pass Fail Cable Loss Preamp RF TP Remark <table><tr><th>Limit</th><th>Pass</th><th>Fail</th><th>Cable Loss</th><th>Preamp</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th>Freq Level</th><th>Line</th><th>Margin</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th><th></th></tr><tr><th>Hz dBm/Hz dBm/Hz</th><th>dB</th><th>dBm</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr><tr><td>1 5250.00 87.10 84.10 -25.00 59.68 48.82 12.58 63.59 --- --- Peak</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>2 5380.00 88.48 74.00 -25.50 56.00 40.95 14.71 64.00 --- --- Peak</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Limit	Pass	Fail	Cable Loss	Preamp	RF	TP	Remark	Freq Level	Line	Margin	Level Factor	Loss Factor				Hz dBm/Hz dBm/Hz	dB	dBm	dB/m	dB	dB	dB	deg	1 5250.00 87.10 84.10 -25.00 59.68 48.82 12.58 63.59 --- --- Peak								2 5380.00 88.48 74.00 -25.50 56.00 40.95 14.71 64.00 --- --- Peak								Level (dBm/Hz) 100 97.5 95.0 92.5 90.0 87.5 85.0 82.5 80.0 77.5 75.0 72.5 70.0 67.5 65.0 62.5 60.0 57.5 55.0 52.5 50.0 47.5 45.0 42.5 40.0 37.5 35.0 32.5 30.0 27.5 25.0 22.5 20.0 17.5 15.0 12.5 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0 -12.5 -15.0 -17.5 -20.0 -22.5 -25.0 -27.5 -30.0 -32.5 -35.0 -37.5 -40.0 -42.5 -45.0 -47.5 -50.0 -52.5 -55.0 -57.5 -60.0 -62.5 -65.0 -67.5 -70.0 -72.5 -75.0 -77.5 -80.0 -82.5 -85.0 -87.5 -90.0 -92.5 -95.0 -97.5 -100.0 Frequency (MHz) 5250 5300 5350 5400 5450 5500 Limit Pass Fail Cable Loss Preamp RF TP Remark <table><tr><th>Limit</th><th>Pass</th><th>Fail</th><th>Cable Loss</th><th>Preamp</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th>Freq Level</th><th>Line</th><th>Margin</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th><th></th></tr><tr><th>Hz dBm/Hz dBm/Hz</th><th>dB</th><th>dBm</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr><tr><td>1 5250.00 84.65 84.10 -12.65 67.23 16.82 12.58 63.59 --- --- Peak</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>2 5380.00 80.20 74.00 -12.80 68.02 40.95 14.71 64.00 --- --- Peak</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>3 5380.00 51.50 54.00 2.70 59.72 40.95 14.71 64.00 --- --- Average</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Limit	Pass	Fail	Cable Loss	Preamp	RF	TP	Remark	Freq Level	Line	Margin	Level Factor	Loss Factor				Hz dBm/Hz dBm/Hz	dB	dBm	dB/m	dB	dB	dB	deg	1 5250.00 84.65 84.10 -12.65 67.23 16.82 12.58 63.59 --- --- Peak								2 5380.00 80.20 74.00 -12.80 68.02 40.95 14.71 64.00 --- --- Peak								3 5380.00 51.50 54.00 2.70 59.72 40.95 14.71 64.00 --- --- Average							
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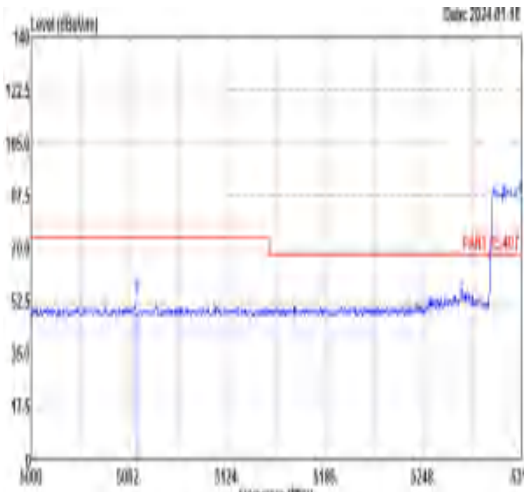
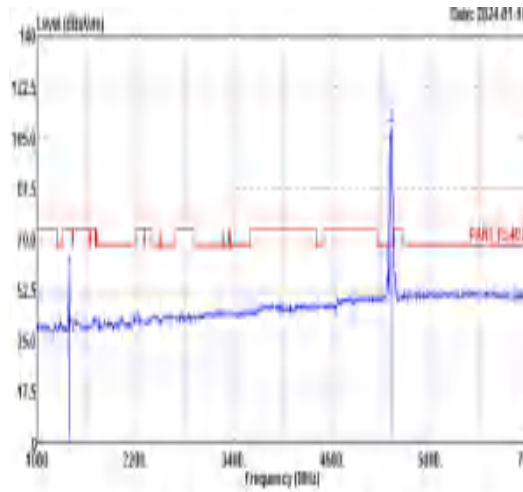
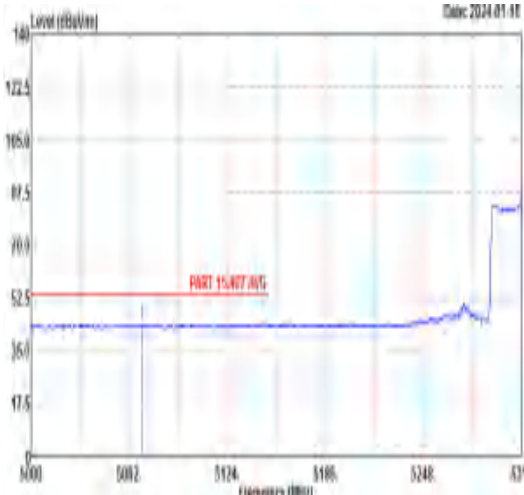
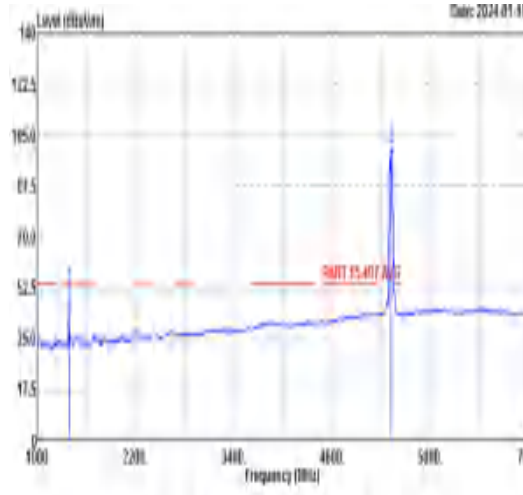


Mode	49																																																																														
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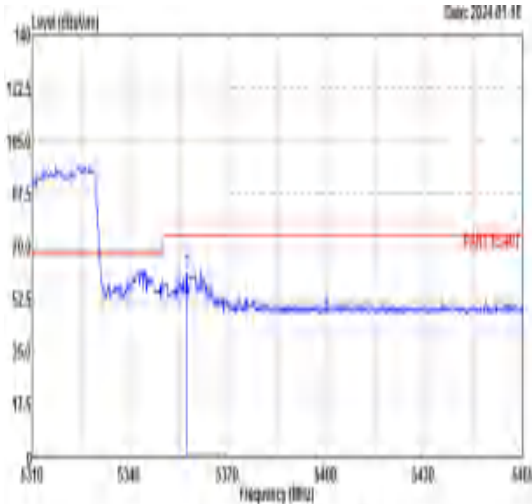
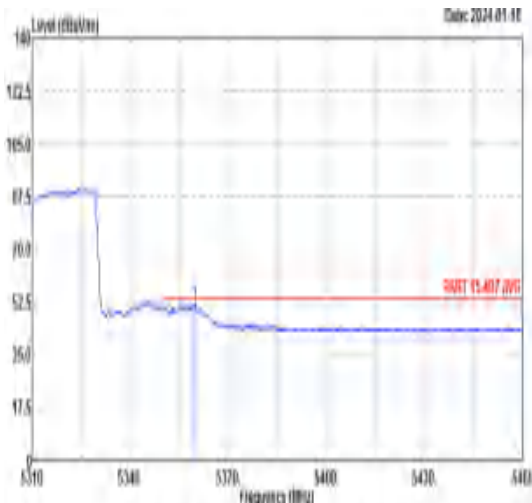


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	Limit	Read	Ant	Cable	Preamp	APos	TPos																																			
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Mode	50	
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	U-NII-2C_5.47-5.725_802.11ax HE40_CH102_Full_5510MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
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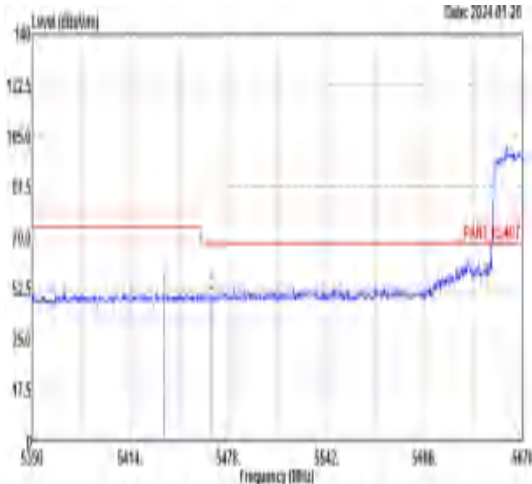
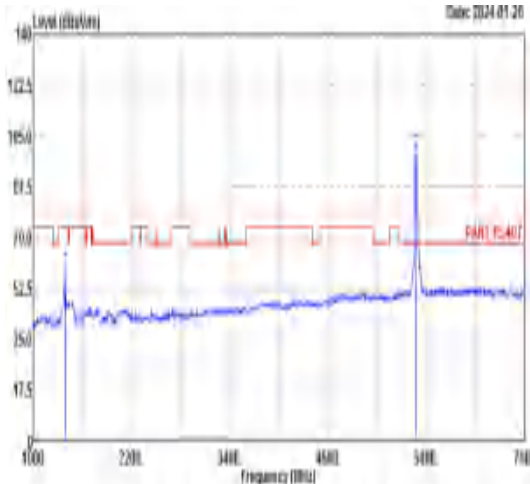
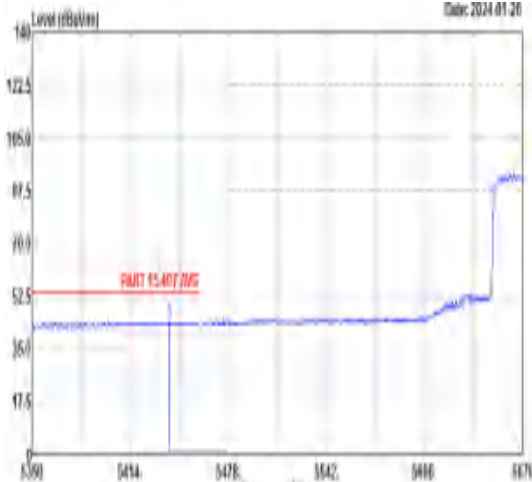
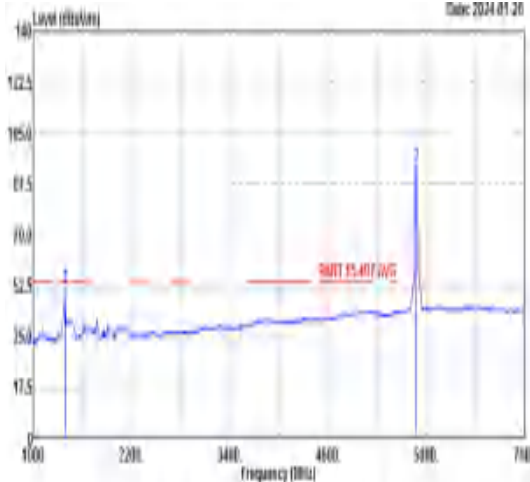


Mode	50	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11ax HE40_CH102_Full_5510MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	Level (dBm/Hz) 100 97.5 95.0 92.5 90.0 87.5 85.0 82.5 80.0 77.5 75.0 72.5 70.0 67.5 65.0 62.5 60.0 57.5 55.0 52.5 50.0 47.5 45.0 42.5 40.0 37.5 35.0 32.5 30.0 27.5 25.0 22.5 20.0 17.5 15.0 12.5 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0 -12.5 -15.0 -17.5 -20.0 -22.5 -25.0 -27.5 -30.0 -32.5 -35.0 -37.5 -40.0 -42.5 -45.0 -47.5 -50.0 -52.5 -55.0 -57.5 -60.0 -62.5 -65.0 -67.5 -70.0 -72.5 -75.0 -77.5 -80.0 -82.5 -85.0 -87.5 -90.0 -92.5 -95.0 -97.5 -100.0 Frequency (MHz) 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000 10500 11000 11500 12000 12500 13000 13500 14000 14500 15000 15500 16000 16500 17000 17500 18000 18500 19000 19500 20000 20500 21000 21500 22000 22500 23000 23500 24000 24500 25000 25500 26000 26500 27000 27500 28000 28500 29000 29500 30000 30500 31000 31500 32000 32500 33000 33500 34000 34500 35000 35500 36000 36500 37000 37500 38000 38500 39000 39500 40000 40500 41000 41500 42000 42500 43000 43500 44000 44500 45000 45500 46000 46500 47000 47500 48000 48500 49000 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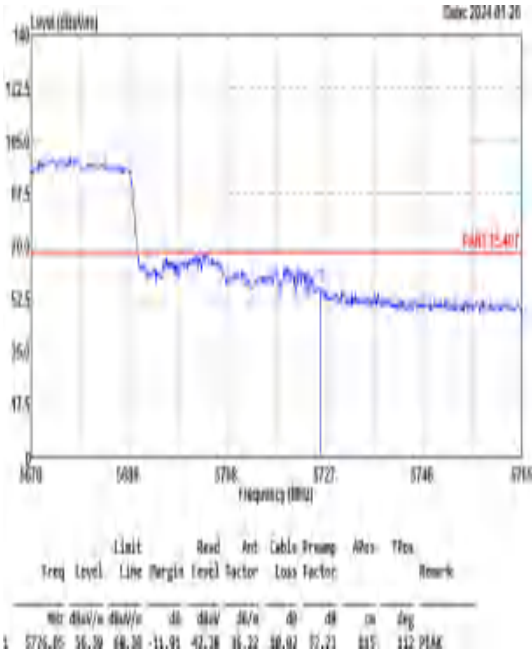


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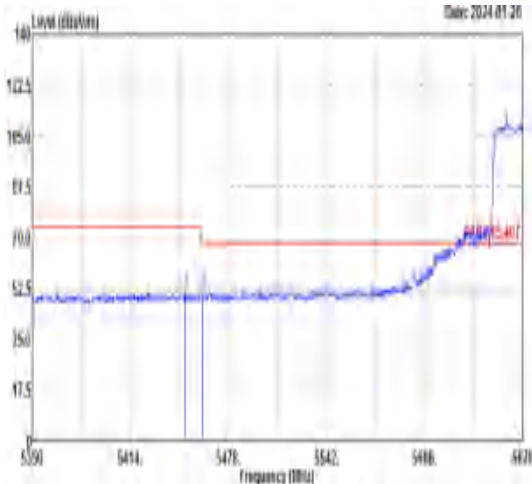
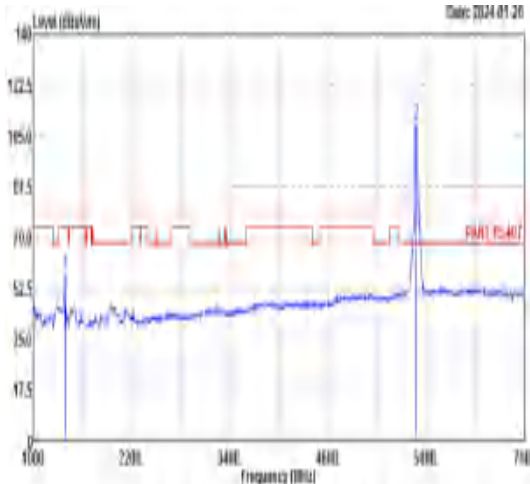
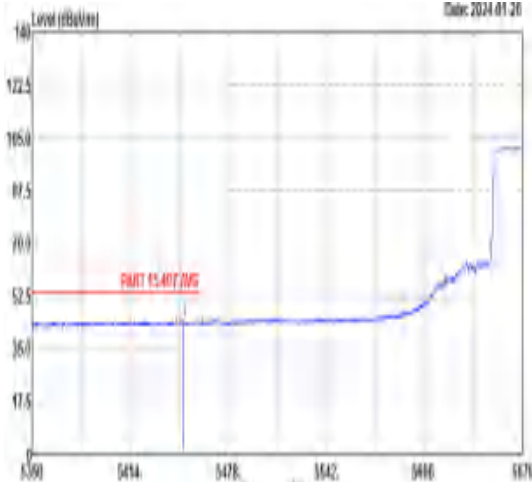
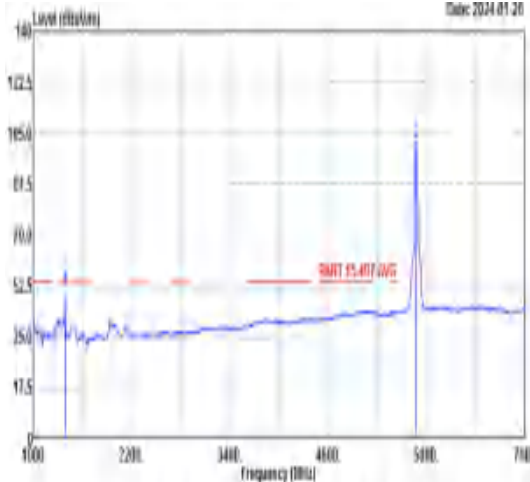


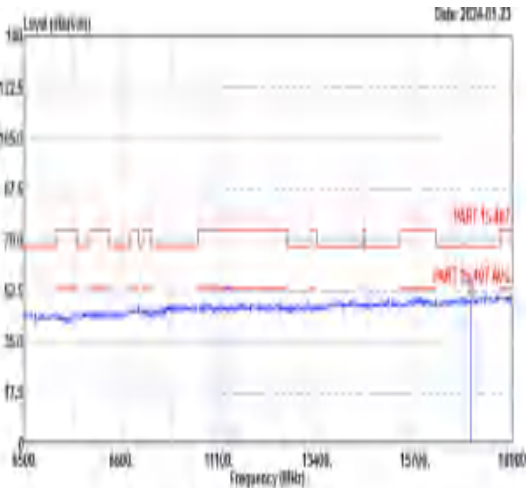
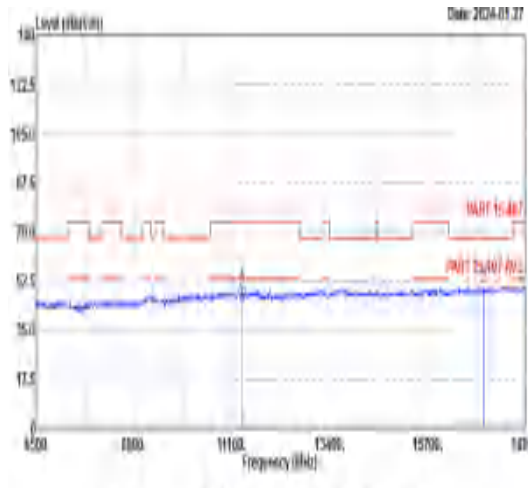
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Peak	 Limit <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBμV/m</th><th>dBμV/m</th><th>dB</th><th>dBμV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1 5436.00</td><td>51.67</td><td>76.00</td><td>-23.36</td><td>78.10</td><td>15.94</td><td>9.67</td><td>12.09</td></tr><tr><td>2 5670.00</td><td>68.60</td><td>68.30</td><td>-17.64</td><td>37.10</td><td>11.02</td><td>0.00</td><td>12.05</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBμV/m	dBμV/m	dB	dBμV	dB/u	dB	dB	1 5436.00	51.67	76.00	-23.36	78.10	15.94	9.67	12.09	2 5670.00	68.60	68.30	-17.64	37.10	11.02	0.00	12.05	 Limit <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBμV/m</th><th>dBμV/m</th><th>dB</th><th>dBμV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1 5366.00</td><td>59.17</td><td>76.00</td><td>-16.83</td><td>60.11</td><td>21.42</td><td>4.17</td><td>16.49</td></tr><tr><td>2 5670.00</td><td>69.17</td><td>68.30</td><td>-15.51</td><td>36.13</td><td>9.00</td><td>12.16</td><td>115</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBμV/m	dBμV/m	dB	dBμV	dB/u	dB	dB	1 5366.00	59.17	76.00	-16.83	60.11	21.42	4.17	16.49	2 5670.00	69.17	68.30	-15.51	36.13	9.00	12.16	115
	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark																																																																										
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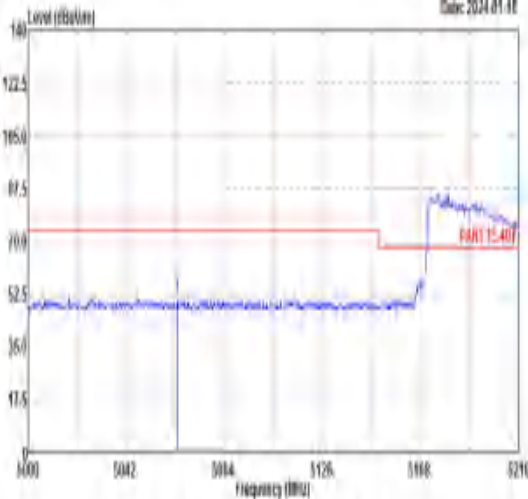
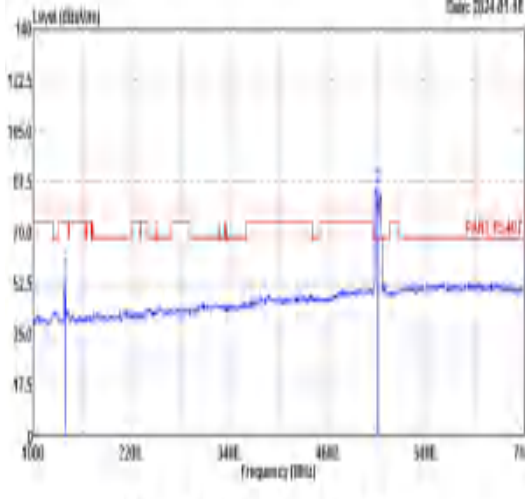
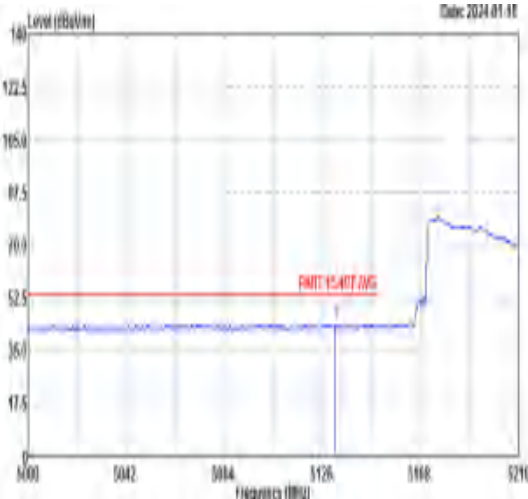
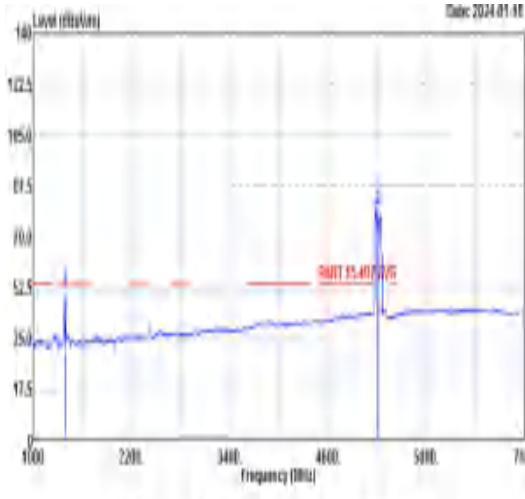
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	U-NII-2C_5.47-5.725_802.11ax HE40_CH134_Full_5670MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak		Blank



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2	5670.00	100.21	26.30	-15.45	39.29	15.42	91.33 16.14 9.01 12.12 291 284 AVERAGE																																																																											

Mode	52	
	Harmonic	
	U-NII-2C_5.47-5.725_802.11ax HE40_CH134_Full_5670MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak	 Horizontal Peak Spectrum Plot showing Level (dBμV/m) vs Frequency (MHz) from 5500 to 16000 MHz. The plot shows a red line for the signal and a blue line for the noise floor. A peak is visible at approximately 11.5 GHz. The date is 2024-01-27.	 Vertical Peak Spectrum Plot showing Level (dBμV/m) vs Frequency (MHz) from 5500 to 16000 MHz. The plot shows a red line for the signal and a blue line for the noise floor. A peak is visible at approximately 11.5 GHz. The date is 2024-01-27.
Avg		



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Mode	Band Edge - L																																																																	
	U-NII-1_5.15-5.25_802.11ax HE80_CH42_Full_5210MHz																																																																	
ANT	CDD 0+1																																																																	
Pol.	Horizontal	Fundamental																																																																
Peak	 Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a blue trace with a red limit line. A peak is visible at 5210 MHz. The date is 2024-01-18. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Att</th><th>Th</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5081.84</td><td>51.23</td><td>74.00</td><td>-22.77</td><td>32.30</td><td>16.16</td><td>8.30</td></tr></table>	Limit	Read	Ant	Cable	Pump	Att	Th	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB	1	5081.84	51.23	74.00	-22.77	32.30	16.16	8.30	 Level (dBuV/m) vs Frequency (MHz) plot for Fundamental polarization. The plot shows a blue trace with a red limit line. A peak is visible at 5210 MHz. The date is 2024-01-18. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Att</th><th>Th</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5081.84</td><td>51.23</td><td>74.00</td><td>-22.77</td><td>32.30</td><td>16.16</td><td>8.30</td></tr></table>	Limit	Read	Ant	Cable	Pump	Att	Th	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB	1	5081.84	51.23	74.00	-22.77	32.30	16.16	8.30
	Limit	Read	Ant	Cable	Pump	Att	Th	Remark																																																										
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1	5081.84	51.23	74.00	-22.77	32.30	16.16	8.30																																																											
Avg	 Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a blue trace with a red limit line. A peak is visible at 5210 MHz. The date is 2024-01-18. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Att</th><th>Th</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5131.46</td><td>44.11</td><td>54.00</td><td>-9.89</td><td>32.91</td><td>16.12</td><td>8.50</td></tr></table>	Limit	Read	Ant	Cable	Pump	Att	Th	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB	1	5131.46	44.11	54.00	-9.89	32.91	16.12	8.50	 Level (dBuV/m) vs Frequency (MHz) plot for Fundamental polarization. The plot shows a blue trace with a red limit line. A peak is visible at 5210 MHz. The date is 2024-01-18. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Att</th><th>Th</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5131.46</td><td>44.11</td><td>54.00</td><td>-9.89</td><td>32.91</td><td>16.12</td><td>8.50</td></tr></table>	Limit	Read	Ant	Cable	Pump	Att	Th	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB	1	5131.46	44.11	54.00	-9.89	32.91	16.12	8.50
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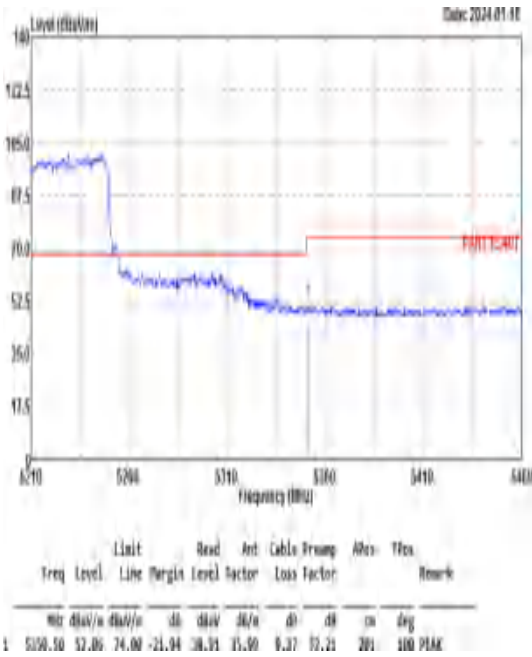
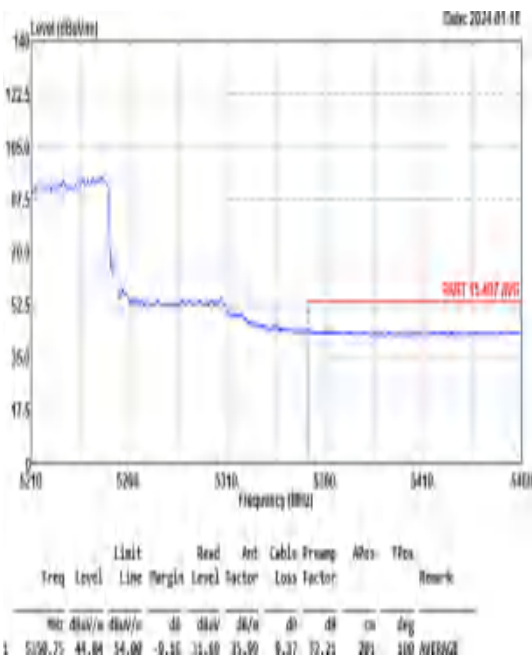


	53	
Mode	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE80_CH42_Full_5210MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak		



	53																																																																																				
Mode	Band Edge - L																																																																																				
	U-NII-1_5.15-5.25_802.11ax HE80_CH42_Full_5210MHz																																																																																				
ANT	CDD 0+1																																																																																				
Pol.	Vertical	Fundamental																																																																																			
Peak	Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 5000 5040 5080 5120 5160 5200 Frequency (MHz) Limit Read Ant. Cable Preamp Attenu Power Remark <table><tr><th>Limit</th><th>Read</th><th>Ant.</th><th>Cable</th><th>Preamp</th><th>Attenu</th><th>Power</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5144.00</td><td>58.52</td><td>74.00</td><td>-15.48</td><td>46.38</td><td>16.11</td><td>8.53</td><td>52.90</td><td>201</td><td>100</td><td>PEAK</td></tr></table>	Limit	Read	Ant.	Cable	Preamp	Attenu	Power	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB	1	5144.00	58.52	74.00	-15.48	46.38	16.11	8.53	52.90	201	100	PEAK	Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 1000 2200 3400 4600 5800 7000 Frequency (MHz) Limit Read Ant. Cable Preamp Attenu Power Remark <table><tr><th>Limit</th><th>Read</th><th>Ant.</th><th>Cable</th><th>Preamp</th><th>Attenu</th><th>Power</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5144.00</td><td>58.52</td><td>74.00</td><td>-15.48</td><td>46.38</td><td>16.11</td><td>8.53</td><td>52.90</td><td>201</td><td>100</td><td>PEAK</td></tr><tr><td>2</td><td>5210.00</td><td>102.82</td><td>74.00</td><td>28.82</td><td>28.82</td><td>4.13</td><td>16.49</td><td>201</td><td>100</td><td>PEAK</td></tr></table>	Limit	Read	Ant.	Cable	Preamp	Attenu	Power	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB	1	5144.00	58.52	74.00	-15.48	46.38	16.11	8.53	52.90	201	100	PEAK	2	5210.00	102.82	74.00	28.82	28.82	4.13	16.49	201	100	PEAK
	Limit	Read	Ant.	Cable	Preamp	Attenu	Power	Remark																																																																													
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MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB																																																																														
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2	5210.00	102.82	74.00	28.82	28.82	4.13	16.49	201	100	PEAK																																																																											
Avg	Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 5000 5040 5080 5120 5160 5200 Frequency (MHz) Limit Read Ant. Cable Preamp Attenu Power Remark <table><tr><th>Limit</th><th>Read</th><th>Ant.</th><th>Cable</th><th>Preamp</th><th>Attenu</th><th>Power</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5146.16</td><td>51.83</td><td>54.00</td><td>-2.17</td><td>38.89</td><td>16.11</td><td>8.53</td><td>52.90</td><td>201</td><td>100</td><td>AVERAGE</td></tr></table>	Limit	Read	Ant.	Cable	Preamp	Attenu	Power	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB	1	5146.16	51.83	54.00	-2.17	38.89	16.11	8.53	52.90	201	100	AVERAGE	Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 1000 2200 3400 4600 5800 7000 Frequency (MHz) Limit Read Ant. Cable Preamp Attenu Power Remark <table><tr><th>Limit</th><th>Read</th><th>Ant.</th><th>Cable</th><th>Preamp</th><th>Attenu</th><th>Power</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5146.00</td><td>52.85</td><td>54.00</td><td>-1.15</td><td>37.79</td><td>28.42</td><td>4.13</td><td>16.49</td><td>201</td><td>100</td><td>AVERAGE</td></tr><tr><td>2</td><td>5210.00</td><td>95.00</td><td>74.00</td><td>21.00</td><td>21.00</td><td>12.45</td><td>201</td><td>100</td><td>AVERAGE</td></tr></table>	Limit	Read	Ant.	Cable	Preamp	Attenu	Power	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB	1	5146.00	52.85	54.00	-1.15	37.79	28.42	4.13	16.49	201	100	AVERAGE	2	5210.00	95.00	74.00	21.00	21.00	12.45	201	100	AVERAGE	
	Limit	Read	Ant.	Cable	Preamp	Attenu	Power	Remark																																																																													
Freq	Level	Line	Margin	Level	Factor	Loss	Factor																																																																														
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB																																																																														
1	5146.16	51.83	54.00	-2.17	38.89	16.11	8.53	52.90	201	100	AVERAGE																																																																										
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1	5146.00	52.85	54.00	-1.15	37.79	28.42	4.13	16.49	201	100	AVERAGE																																																																										
2	5210.00	95.00	74.00	21.00	21.00	12.45	201	100	AVERAGE																																																																												



Mode	53	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11ax HE80_CH42_Full_5210MHz	
ANT	CDD 0+1	
Pol.	Vertical	Fundamental
Peak		Blank
Avg		Blank

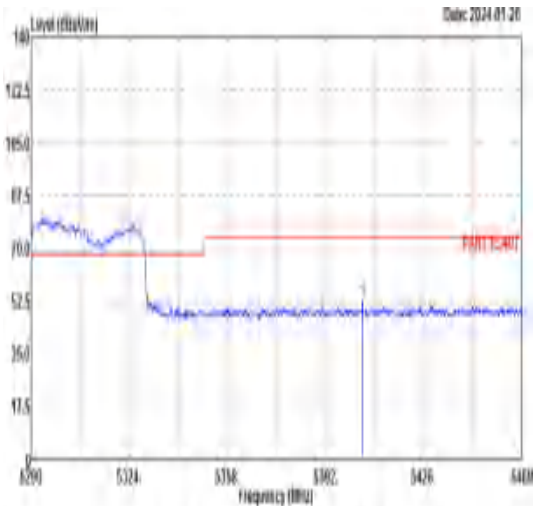
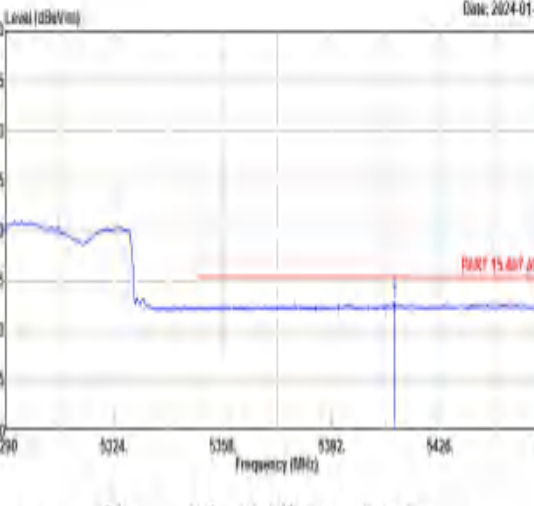


Mode	53																																																																									
	Harmonic																																																																									
	U-NII-1_5.15-5.25_802.11ax HE80_CH42_Full_5210MHz																																																																									
ANT	CDD 0+1																																																																									
Pol.	Horizontal	Vertical																																																																								
Peak Avg	Level (dBm/Hz) Date: 2024-01-20 Frequency (MHz) <table><tr><th>Limit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><td>1</td><td>10420.00</td><td>66.72</td><td>66.10</td><td>-25.98</td><td>59.62</td><td>14.62</td><td>64.00</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>11620.00</td><td>66.80</td><td>74.00</td><td>-24.60</td><td>57.04</td><td>14.62</td><td>64.00</td><td>---</td><td>Peak</td></tr></table>	Limit	Band	Ant	Cable	Preamp	RF	TP	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	1	10420.00	66.72	66.10	-25.98	59.62	14.62	64.00	---	Peak	2	11620.00	66.80	74.00	-24.60	57.04	14.62	64.00	---	Peak	Level (dBm/Hz) Date: 2024-01-20 Frequency (MHz) <table><tr><th>Limit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><td>1</td><td>10420.00</td><td>67.76</td><td>66.10</td><td>-26.56</td><td>59.55</td><td>14.77</td><td>63.64</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>11620.00</td><td>68.80</td><td>74.00</td><td>-25.20</td><td>57.00</td><td>14.62</td><td>64.00</td><td>---</td><td>Peak</td></tr></table>	Limit	Band	Ant	Cable	Preamp	RF	TP	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	1	10420.00	67.76	66.10	-26.56	59.55	14.77	63.64	---	Peak	2	11620.00	68.80	74.00	-25.20	57.00	14.62	64.00	---	Peak
Limit	Band	Ant	Cable	Preamp	RF	TP	Remark																																																																			
Freq	Level	Line	Margin	Level	Factor	Loss	Factor																																																																			
1	10420.00	66.72	66.10	-25.98	59.62	14.62	64.00	---	Peak																																																																	
2	11620.00	66.80	74.00	-24.60	57.04	14.62	64.00	---	Peak																																																																	
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1	10420.00	67.76	66.10	-26.56	59.55	14.77	63.64	---	Peak																																																																	
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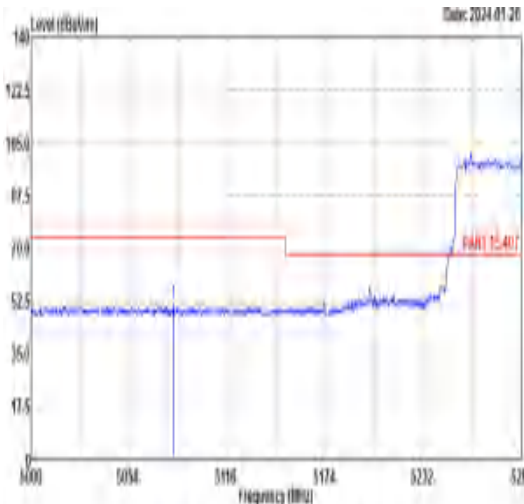
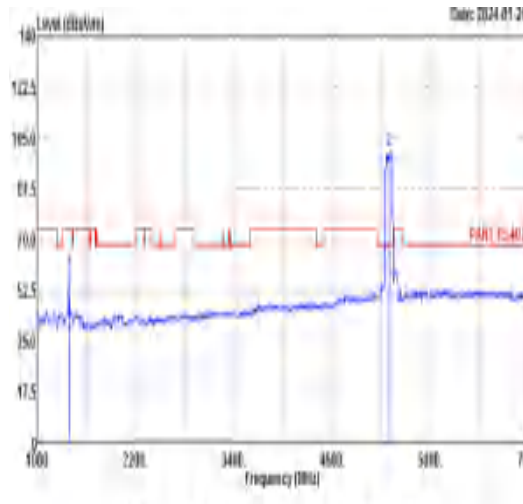
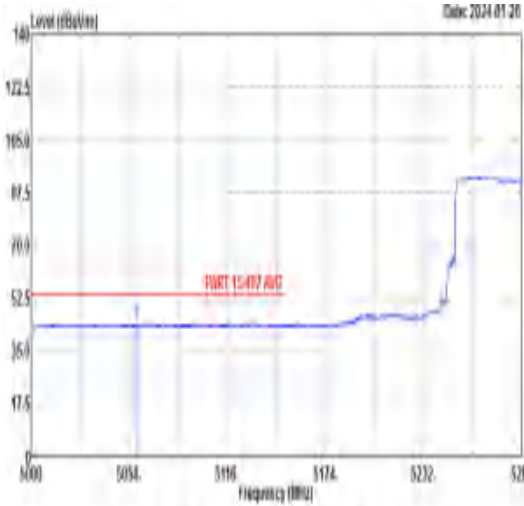
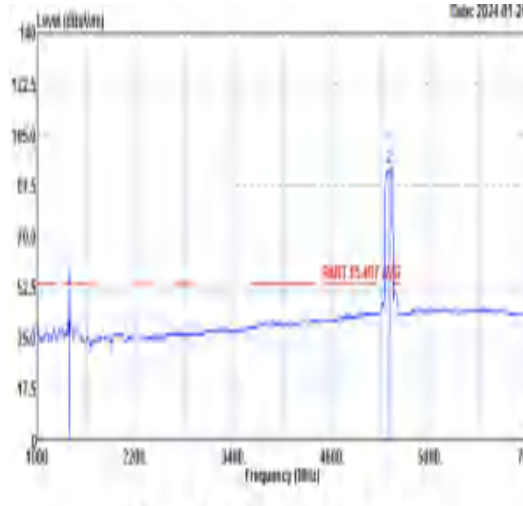


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Mode	Band Edge - L																																																																																					
	U-NII-2A_5.25-5.35_802.11ax HE80_CH58_Full_5290MHz																																																																																					
ANT	CDD 0+1																																																																																					
Pol.	Horizontal	Fundamental																																																																																				
Peak	Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 5000 5054 5118 5174 5232 5290 Frequency (MHz) Date: 2024-01-20 <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Att</th><th>Th</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5086.42</td><td>51.92</td><td>74.00</td><td>-22.08</td><td>32.93</td><td>16.15</td><td>8.42</td><td>32.50</td><td>300</td><td>297</td><td>PEAK</td></tr></table>	Limit	Read	Ant	Cable	Pump	Att	Th	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB	1	5086.42	51.92	74.00	-22.08	32.93	16.15	8.42	32.50	300	297	PEAK	Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 1000 2200 3400 4600 5800 7000 Frequency (MHz) Date: 2024-01-20 <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Att</th><th>Th</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>1366.00</td><td>56.56</td><td>74.00</td><td>-17.44</td><td>37.30</td><td>23.42</td><td>4.13</td><td>16.44</td><td>300</td><td>292</td><td>PEAK</td></tr><tr><td>2</td><td>5290.00</td><td>80.64</td><td>74.00</td><td>6.64</td><td>67.82</td><td>16.02</td><td>9.00</td><td>12.20</td><td>300</td><td>287</td><td>PEAK</td></tr></table>	Limit	Read	Ant	Cable	Pump	Att	Th	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB	1	1366.00	56.56	74.00	-17.44	37.30	23.42	4.13	16.44	300	292	PEAK	2	5290.00	80.64	74.00	6.64	67.82	16.02	9.00	12.20	300	287	PEAK
	Limit	Read	Ant	Cable	Pump	Att	Th	Remark																																																																														
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MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB																																																																															
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2	5290.00	80.64	74.00	6.64	67.82	16.02	9.00	12.20	300	287	PEAK																																																																											
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	Limit	Read	Ant	Cable	Pump	Att	Th	Remark																																																																														
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1	5347.03	44.79	54.00	-9.21	32.64	16.11	8.53	32.40	300	297	AVERAGE																																																																											
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MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB																																																																															
1	1366.00	56.95	54.00	-1.05	52.89	23.42	4.13	16.44	300	292	AVERAGE																																																																											
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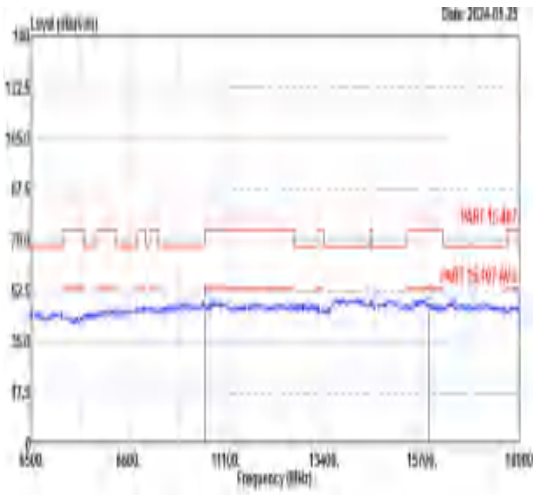
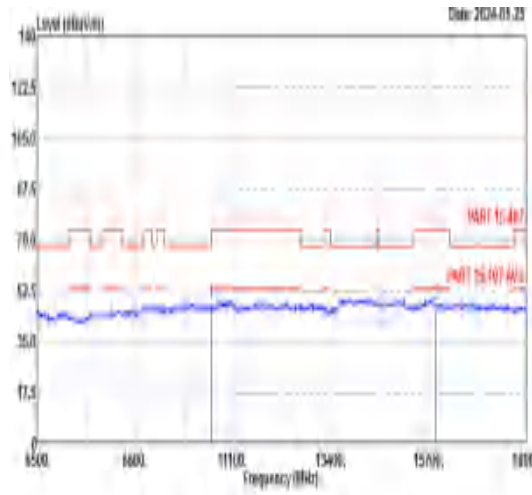


	54																													
Mode	Band Edge - R																													
	U-NII-2A_5.25-5.35_802.11ax HE80_CH58_Full_5290MHz																													
ANT	CDD 0+1																													
Pol.	Horizontal	Fundamental																												
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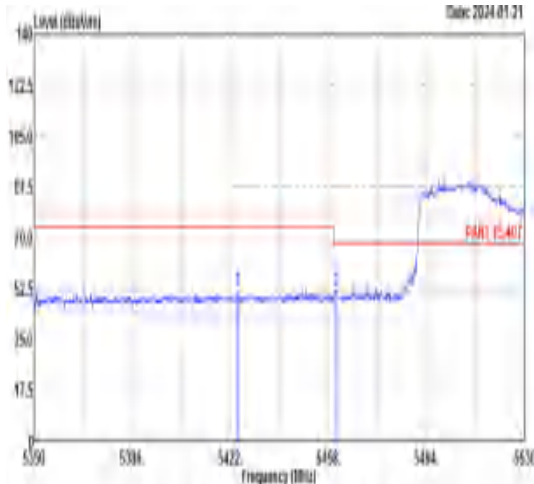
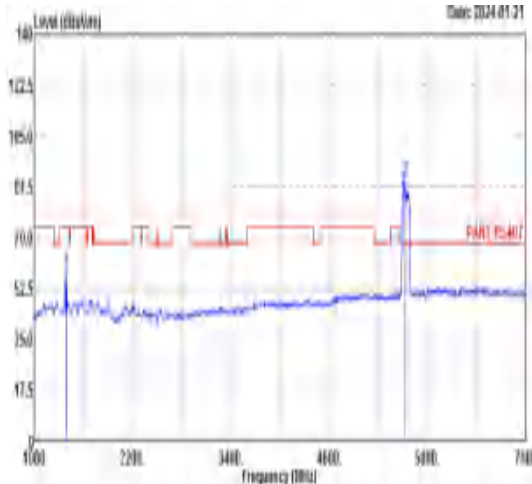
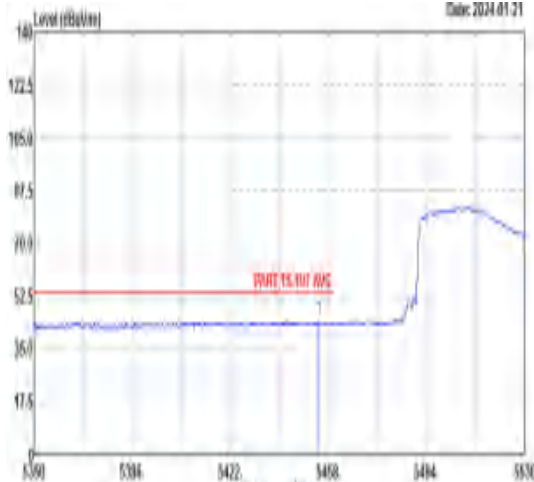
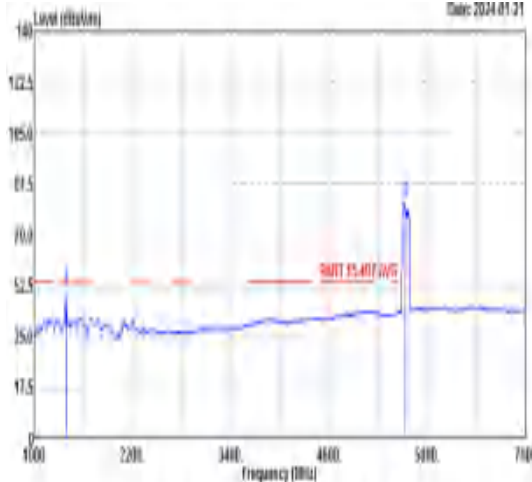


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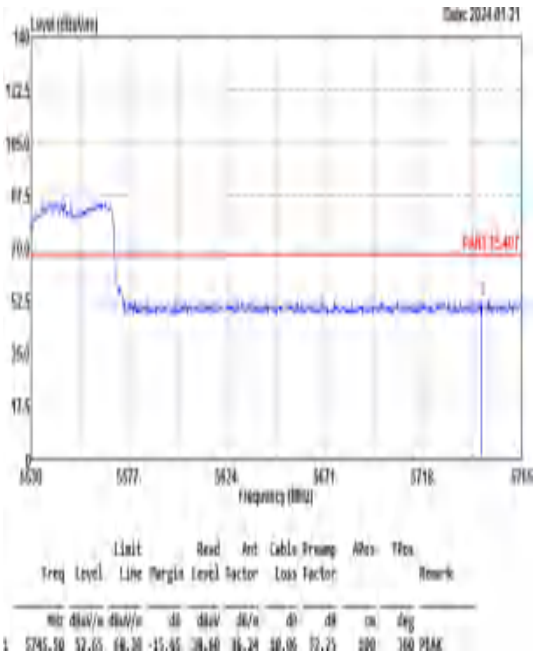


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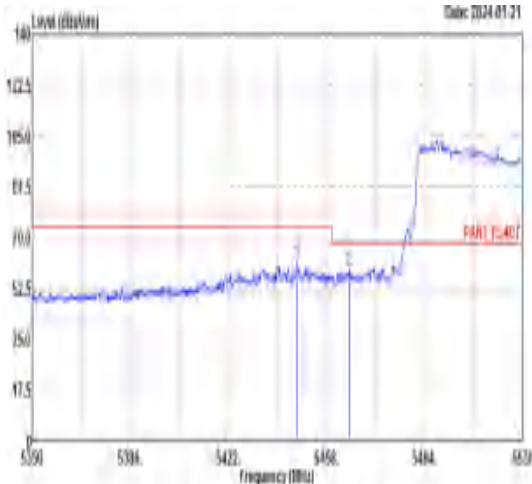
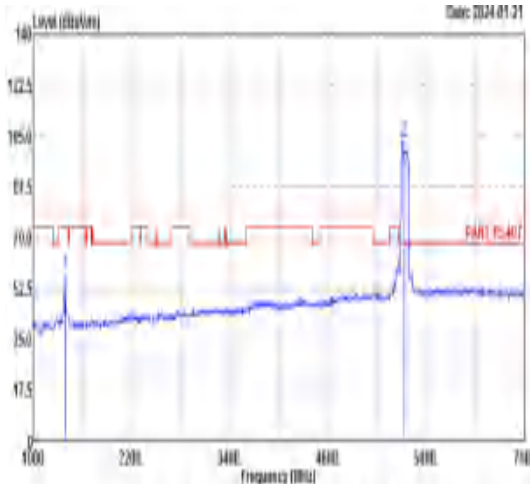
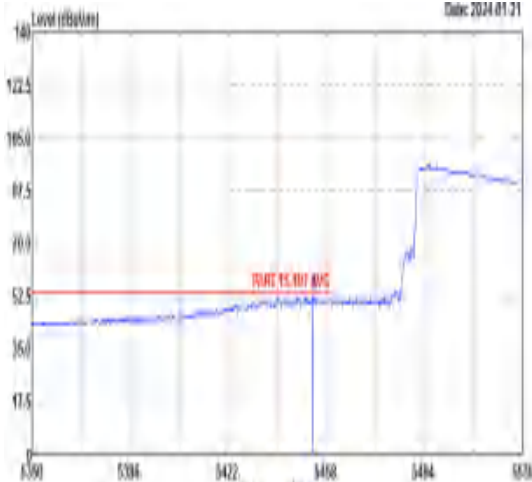
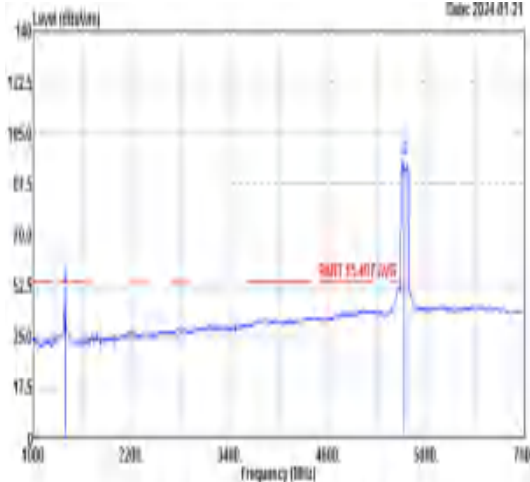


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Avg	 Level (dBm) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a signal level around -50 dBm with a peak at 5494 MHz. The limit is at -50 dBm. The test result is 160 AVERAGE. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBm/m</th><th>dBm/m</th><th>dB</th><th>dBm</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5494.40</td><td>44.70</td><td>54.00</td><td>-0.22</td><td>31.23</td><td>31.91</td><td>9.68</td><td>12.06</td><td>300</td><td>160 AVERAGE</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss Factor			MHz	dBm/m	dBm/m	dB	dBm	dB/m	dB	cm	deg	1	5494.40	44.70	54.00	-0.22	31.23	31.91	9.68	12.06	300	160 AVERAGE	 Level (dBm) vs Frequency (MHz) plot for Fundamental polarization. The plot shows a signal level around -50 dBm with a peak at 5494 MHz. The limit is at -50 dBm. The test result is 160 AVERAGE. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBm/m</th><th>dBm/m</th><th>dB</th><th>dBm</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5494.36</td><td>51.81</td><td>26.00</td><td>-23.38</td><td>38.30</td><td>31.95</td><td>9.67</td><td>12.11</td><td>300</td><td>160 AVERAGE</td></tr><tr><td>2</td><td>5496.80</td><td>51.84</td><td>26.30</td><td>-16.46</td><td>38.28</td><td>31.82</td><td>9.89</td><td>12.05</td><td>300</td><td>160 AVERAGE</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss Factor			MHz	dBm/m	dBm/m	dB	dBm	dB/m	dB	cm	deg	1	5494.36	51.81	26.00	-23.38	38.30	31.95	9.67	12.11	300	160 AVERAGE	2	5496.80	51.84	26.30	-16.46	38.28	31.82	9.89	12.05	300	160 AVERAGE											
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Mode	55	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11ax HE80_CH106_Full_5530MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak		Blank

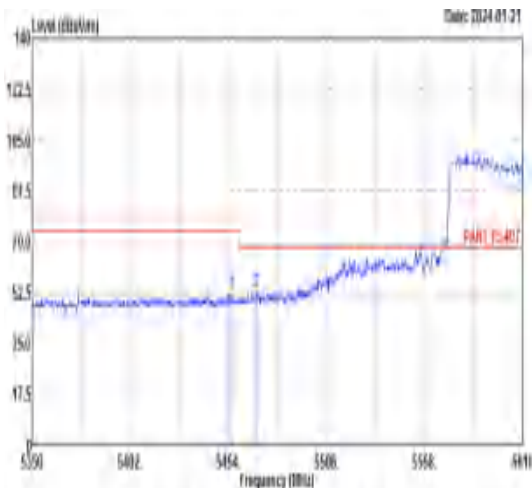
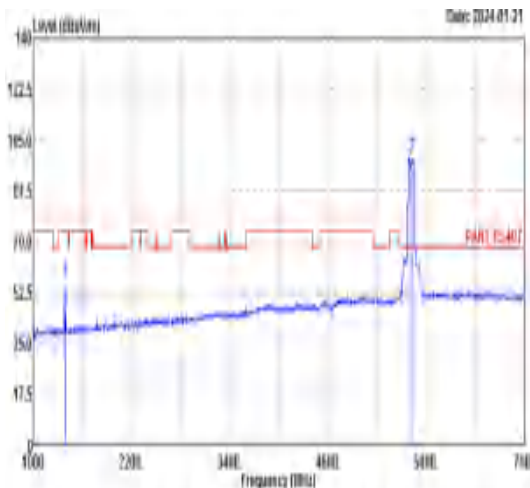
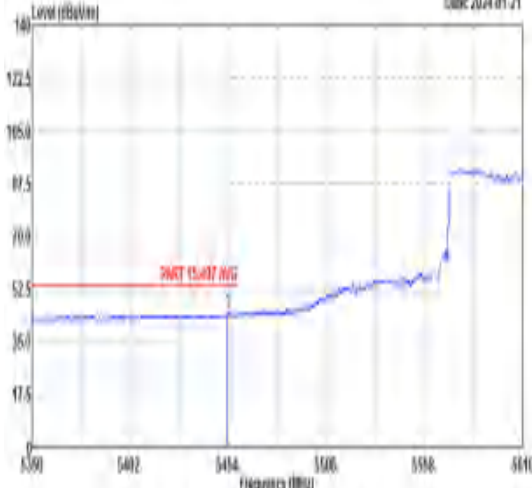
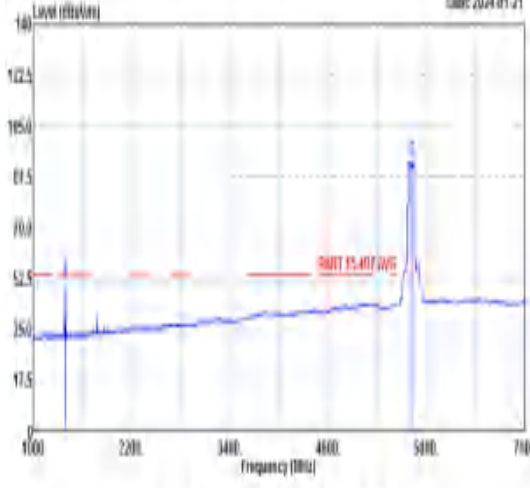


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Pol.	Vertical	Fundamental																																																																																																		
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Pol.	Horizontal	Vertical																																																																																
Peak Avg	Level (dBm/Hz) Date: 2024-07-23 Limit <table><tr><th>Limit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APC</th><th>TPC</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><td>MHz</td><td>dBm/Hz</td><td>dBm/Hz</td><td>dB</td><td>dBm</td><td>dB/m</td><td>dB</td><td>Co Reg</td></tr><tr><td>1</td><td>11000.00</td><td>47.76</td><td>24.00</td><td>-26.24</td><td>59.99</td><td>19.02</td><td>52.97 63.82 --- Peak</td></tr><tr><td>2</td><td>16090.00</td><td>48.27</td><td>48.10</td><td>-20.00</td><td>56.00</td><td>41.39</td><td>16.71 66.75 --- Peak</td></tr></table>	Limit	Band	Ant	Cable	Preamp	APC	TPC	Remark	Freq	Level	Line	Margin	Level	Factor	Loss Factor		MHz	dBm/Hz	dBm/Hz	dB	dBm	dB/m	dB	Co Reg	1	11000.00	47.76	24.00	-26.24	59.99	19.02	52.97 63.82 --- Peak	2	16090.00	48.27	48.10	-20.00	56.00	41.39	16.71 66.75 --- Peak	Level (dBm/Hz) Date: 2024-07-23 Limit <table><tr><th>Limit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APC</th><th>TPC</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><td>MHz</td><td>dBm/Hz</td><td>dBm/Hz</td><td>dB</td><td>dBm</td><td>dB/m</td><td>dB</td><td>Co Reg</td></tr><tr><td>1</td><td>11000.00</td><td>48.46</td><td>24.00</td><td>-25.06</td><td>60.77</td><td>19.02</td><td>52.97 63.82 --- Peak</td></tr><tr><td>2</td><td>16090.00</td><td>47.12</td><td>48.10</td><td>-20.00</td><td>56.05</td><td>41.39</td><td>16.71 66.75 --- Peak</td></tr></table>	Limit	Band	Ant	Cable	Preamp	APC	TPC	Remark	Freq	Level	Line	Margin	Level	Factor	Loss Factor		MHz	dBm/Hz	dBm/Hz	dB	dBm	dB/m	dB	Co Reg	1	11000.00	48.46	24.00	-25.06	60.77	19.02	52.97 63.82 --- Peak	2	16090.00	47.12	48.10	-20.00	56.05	41.39	16.71 66.75 --- Peak
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Peak	 Limit <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBμV/m</th><th>dBμV/m</th><th>dB</th><th>dBμV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1 5455.56</td><td>52.24</td><td>74.00</td><td>-21.76</td><td>78.64</td><td>35.91</td><td>9.88</td><td>12.04 118 PEAK</td></tr><tr><td>2 5608.56</td><td>52.92</td><td>68.30</td><td>-15.38</td><td>32.15</td><td>35.92</td><td>6.09</td><td>12.04 118 PEAK</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBμV/m	dBμV/m	dB	dBμV	dB/u	dB	dB	1 5455.56	52.24	74.00	-21.76	78.64	35.91	9.88	12.04 118 PEAK	2 5608.56	52.92	68.30	-15.38	32.15	35.92	6.09	12.04 118 PEAK	 Limit <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBμV/m</th><th>dBμV/m</th><th>dB</th><th>dBμV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1 5706.00</td><td>56.16</td><td>74.00</td><td>-17.84</td><td>77.50</td><td>29.42</td><td>4.13</td><td>14.49 118 PEAK</td></tr><tr><td>2 5608.00</td><td>60.45</td><td>74.00</td><td>-13.55</td><td>77.37</td><td>36.01</td><td>9.75</td><td>12.04 118 PEAK</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBμV/m	dBμV/m	dB	dBμV	dB/u	dB	dB	1 5706.00	56.16	74.00	-17.84	77.50	29.42	4.13	14.49 118 PEAK	2 5608.00	60.45	74.00	-13.55	77.37	36.01	9.75	12.04 118 PEAK
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Avg	 Limit <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBμV/m</th><th>dBμV/m</th><th>dB</th><th>dBμV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1 5453.40</td><td>44.84</td><td>54.00</td><td>-9.16</td><td>31.30</td><td>35.91</td><td>9.58</td><td>12.07 118 AVERAGE</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBμV/m	dBμV/m	dB	dBμV	dB/u	dB	dB	1 5453.40	44.84	54.00	-9.16	31.30	35.91	9.58	12.07 118 AVERAGE	 Limit <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBμV/m</th><th>dBμV/m</th><th>dB</th><th>dBμV</th><th>dB/u</th><th>dB</th><th>dB</th></tr><tr><td>1 5706.00</td><td>56.99</td><td>54.00</td><td>-7.01</td><td>42.93</td><td>29.42</td><td>4.13</td><td>14.49 118 AVERAGE</td></tr><tr><td>2 5608.00</td><td>63.45</td><td>74.00</td><td>-10.55</td><td>79.44</td><td>36.10</td><td>9.85</td><td>12.14 118 AVERAGE</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBμV/m	dBμV/m	dB	dBμV	dB/u	dB	dB	1 5706.00	56.99	54.00	-7.01	42.93	29.42	4.13	14.49 118 AVERAGE	2 5608.00	63.45	74.00	-10.55	79.44	36.10	9.85	12.14 118 AVERAGE								
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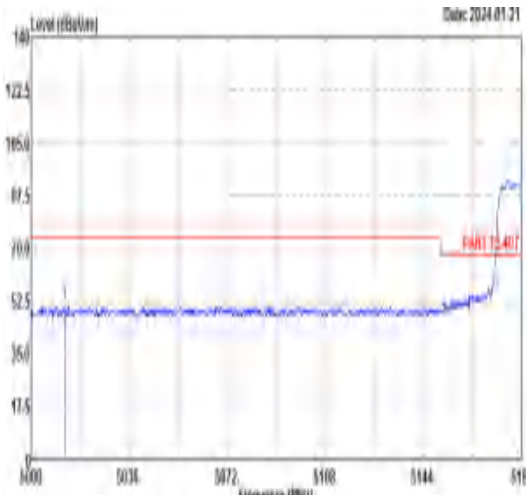
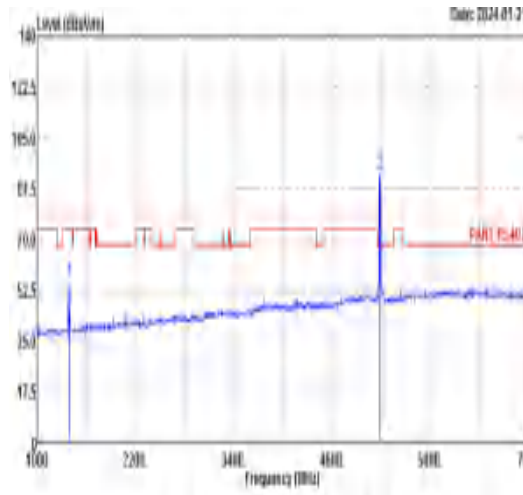
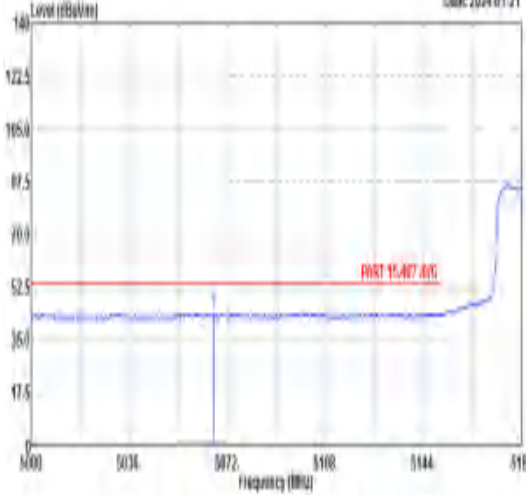
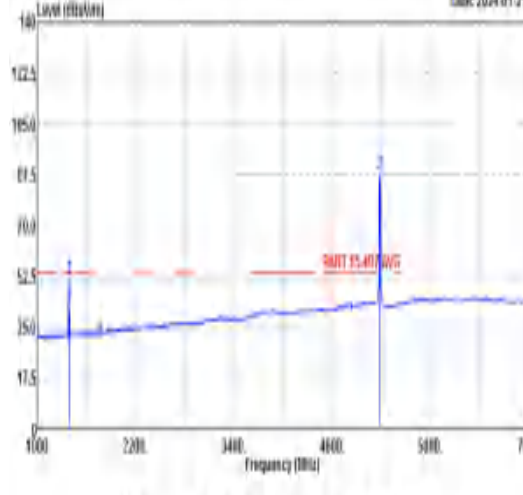


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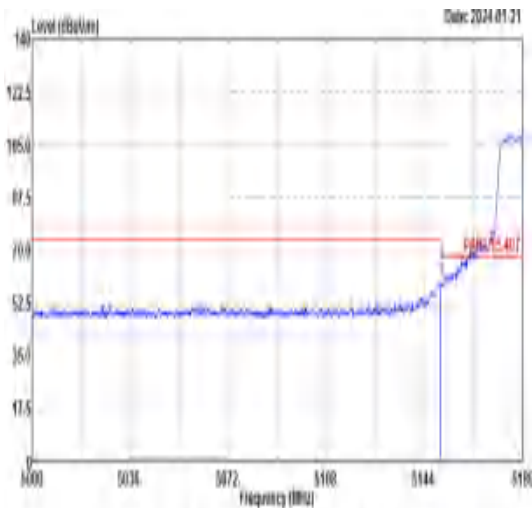
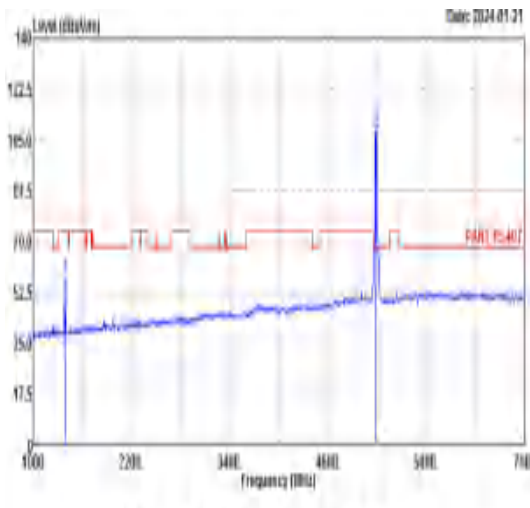
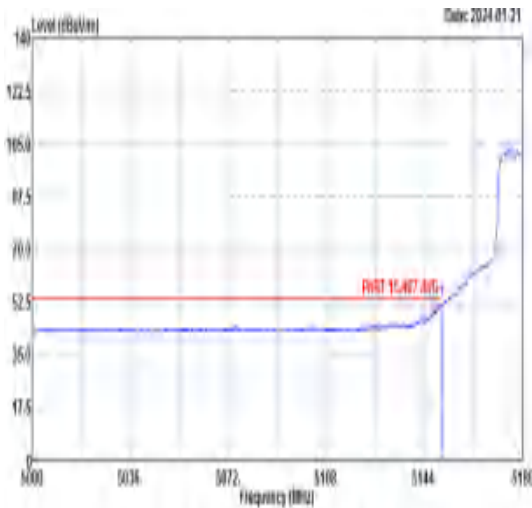
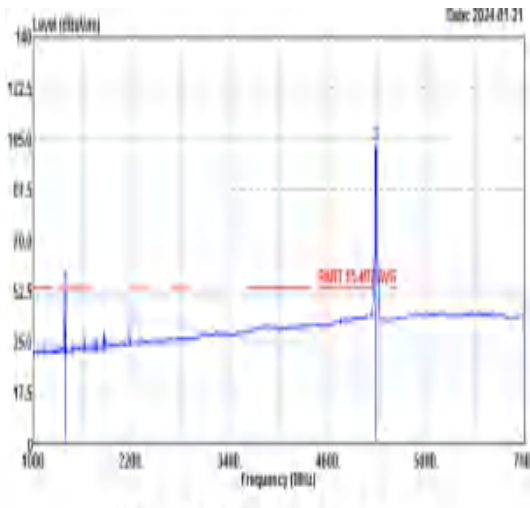


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1	5186.00	55.73	74.00	-18.27	56.62	28.42	4.12	54.49	400 155 PEAK																																																																																	
2	5180.00	62.95	74.00	-11.05	60.73	16.00	6.50	52.45	400 115 PEAK																																																																																	
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1 10000.00	67.81	64.16	-36.65	66.94	66.79	12.12	63.67																																																																																			
2 15000.00	49.10	74.10	-24.00	57.60	40.81	14.64	64.80																																																																																			
Unit	Band	Ant	Cable	Preamp	APol	TPol	Remark																																																																																			
Freq	Level	Line	Margin	Level	Factor	Loss Factor																																																																																				
MHz	dBm/Hz	dBm/Hz	dB	dBm/Hz	dBm/Hz	dB	dB																																																																																			
1 10000.00	64.16	64.16	0.00	4.85	71.97	16.79	63.63																																																																																			
2 15000.00	57.76	74.00	-16.24	65.82	40.83	14.84	64.00																																																																																			
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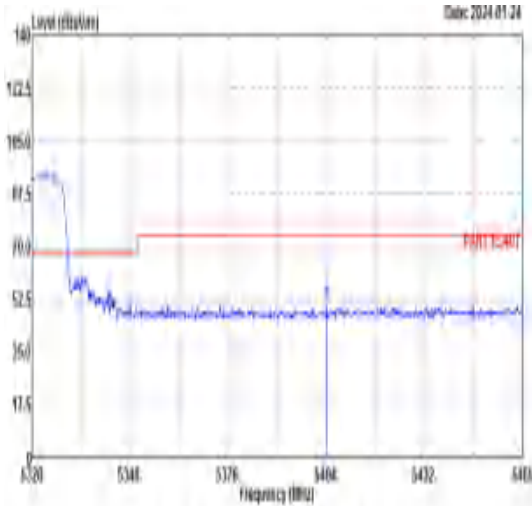
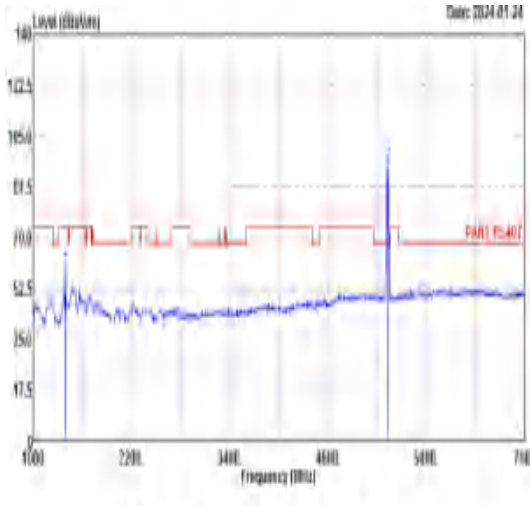
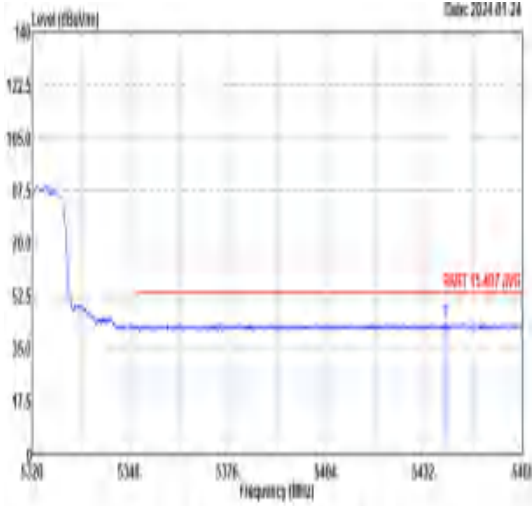
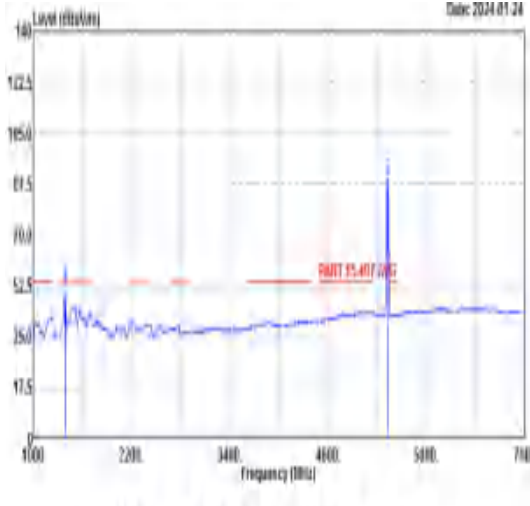


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ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	Level (dBm/Hz) 100 97.5 95.0 92.5 90.0 87.5 85.0 82.5 80.0 77.5 75.0 72.5 70.0 67.5 65.0 62.5 60.0 57.5 55.0 52.5 50.0 47.5 45.0 42.5 40.0 37.5 35.0 32.5 30.0 27.5 25.0 22.5 20.0 17.5 15.0 12.5 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0 -12.5 -15.0 -17.5 -20.0 -22.5 -25.0 -27.5 -30.0 -32.5 -35.0 -37.5 -40.0 -42.5 -45.0 -47.5 -50.0 -52.5 -55.0 -57.5 -60.0 -62.5 -65.0 -67.5 -70.0 -72.5 -75.0 -77.5 -80.0 -82.5 -85.0 -87.5 -90.0 -92.5 -95.0 -97.5 -100.0 Frequency (MHz) 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000 10500 11000 11500 12000 12500 13000 13500 14000 14500 15000 15500 16000 16500 17000 17500 18000 18500 19000 19500 20000 20500 21000 21500 22000 22500 23000 23500 24000 24500 25000 25500 26000 26500 27000 27500 28000 28500 29000 29500 30000 30500 31000 31500 32000 32500 33000 33500 34000 34500 35000 35500 36000 36500 37000 37500 38000 38500 39000 39500 40000 40500 41000 41500 42000 42500 43000 43500 44000 44500 45000 45500 46000 46500 47000 47500 48000 48500 49000 49500 50000 50500 51000 51500 52000 52500 53000 53500 54000 54500 55000 55500 56000 56500 57000 57500 58000 58500 59000 59500 60000 60500 61000 61500 62000 62500 63000 63500 64000 64500 65000 65500 66000 66500 67000 67500 68000 68500 69000 69500 70000 70500 71000 71500 72000 72500 73000 73500 74000 74500 75000 75500 76000 76500 77000 77500 78000 78500 79000 79500 80000 80500 81000 81500 82000 82500 83000 83500 84000 84500 85000 85500 86000 86500 87000 87500 88000 88500 89000 89500 90000 90500 91000 91500 92000 92500 93000 93500 94000 94500 95000 95500 96000 96500 97000 97500 98000 98500 99000 99500 100000 100500 101000 101500 102000 102500 103000 103500 104000 104500 105000 105500 106000 106500 107000 107500 108000 108500 109000 109500 110000 110500 111000 111500 112000 112500 113000 113500 114000 114500 115000 115500 116000 116500 117000 117500 118000 118500 119000 119500 120000 120500 121000 121500 122000 122500 123000 123500 124000 124500 125000 125500 126000 126500 127000 127500 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199500 200000 200500 201000 201500 202000 202500 203000 203500 204000 204500 205000 205500 206000 206500 207000 207500 208000 208500 209000 209500 210000 210500 211000 211500 212000 212500 213000 213500 214000 214500 215000 215500 216000 216500 217000 217500 218000 218500 219000 219500 220000 220500 221000 221500 222000 222500 223000 223500 224000 224500 225000 225500 226000 226500 227000 227500 228000 228500 229000 229500 230000 230500 231000 231500 232000 232500 233000 233500 234000 234500 235000 235500 236000 236500 237000 237500 238000 238500 239000 239500 240000 240500 241000 241500 242000 242500 243000 243500 244000 244500 245000 245500 246000 246500 247000 247500 248000 248500 249000 249500 250000 250500 251000 251500 252000 252500 253000 253500 254000 254500 255000 255500 256000 256500 257000 257500 258000 258500 259000 259500 260000 260500 261000 261500 262000 262500 263000 263500 264000 264500 265000 265500 266000 266500 267000 267500 268000 268500 269000 269500 270000 270500 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414000 414500 415000 415500 416000 416500 417000 417500 418000 418500 419000 419500 420000 420500 421000 421500 422000 422500 423000 423500 424000 424500 425000 425500 426000 426500 427000 427500 428000 428500 429000 429500 430000 430500 431000 431500 432000 432500 433000 433500 434000 434500 435000 435500 436000 436500 437000 437500 438000 438500 439000 439500 440000 440500 441000 441500 442000 442500 443000 443500 444000 444500 445000 445500 446000 446500 447000 447500 448000 448500 449000 449500 450000 450500 451000 451500 452000 452500 453000 453500 454000 454500 455000 455500 456000 456500 457000 457500 458000 458500 459000 459500 460000 460500 461000 461500 462000 462500 463000 463500 464000 464500 465000 465500 466000 466500 467000 467500 468000 468500 469000 469500 470000 470500 471000 471500 472000 472500 473000 473500 474000 474500 475000 475500 476000 476500 477000 477500 478000 478500 479000 479500 480000 480500 481000 481500 482000 482500 483000 483500 484000 484500 485000 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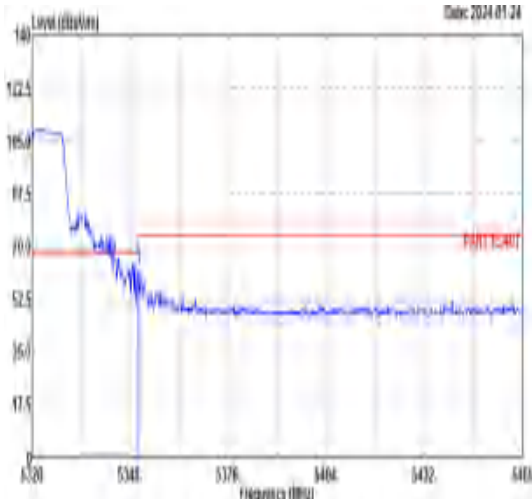
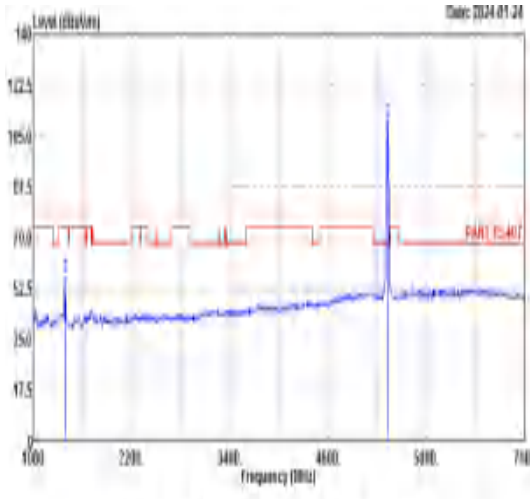
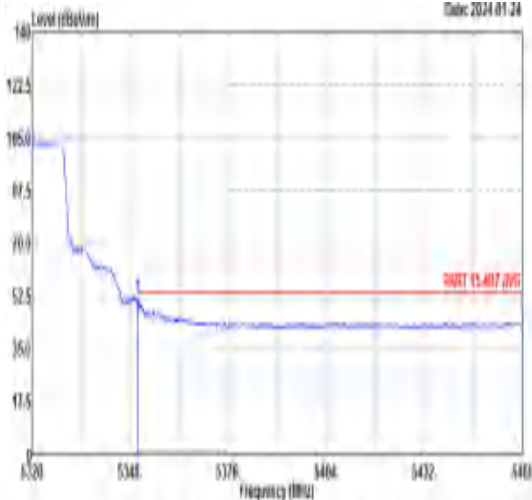
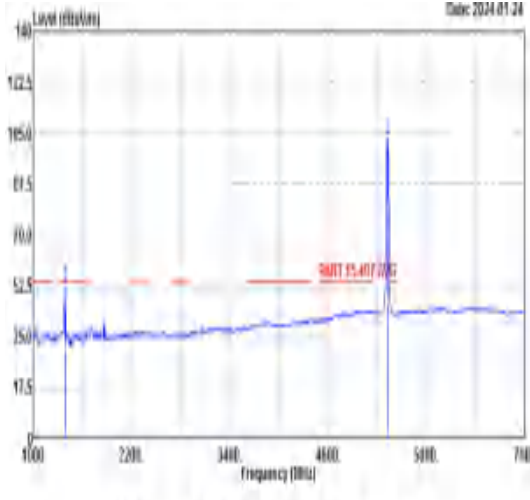


Mode	61																																																																																																								
	Harmonic																																																																																																								
	U-NII-2A_5.25-5.35_802.11ac VHT20_CH60_5300MHz																																																																																																								
ANT	CDD 0+1																																																																																																								
Pol.	Horizontal	Vertical																																																																																																							
Peak Avg	Level (dBm/Hz) Date: 2024-01-23 Frequency (MHz) <table><tr><th>Unit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th></th></tr><tr><td>MHz</td><td>dBm/Hz</td><td>dBm/Hz</td><td>dB</td><td>dBm</td><td>dB</td><td>dB</td><td></td></tr><tr><td>1</td><td>10000.00</td><td>67.64</td><td>24.00</td><td>-26.51</td><td>59.09</td><td>45.44</td><td>32.23</td><td>63.97</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>15000.00</td><td>68.10</td><td>24.00</td><td>-25.50</td><td>56.84</td><td>45.00</td><td>14.75</td><td>64.11</td><td>---</td><td>Peak</td></tr></table>	Unit	Band	Ant	Cable	Preamp	RF	TP	Remark	Freq	Level	Line	Margin	Level	Factor	Loss		MHz	dBm/Hz	dBm/Hz	dB	dBm	dB	dB		1	10000.00	67.64	24.00	-26.51	59.09	45.44	32.23	63.97	---	Peak	2	15000.00	68.10	24.00	-25.50	56.84	45.00	14.75	64.11	---	Peak	Level (dBm/Hz) Date: 2024-01-23 Frequency (MHz) <table><tr><th>Unit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th></th></tr><tr><td>MHz</td><td>dBm/Hz</td><td>dBm/Hz</td><td>dB</td><td>dBm</td><td>dB</td><td>dB</td><td></td></tr><tr><td>1</td><td>10000.00</td><td>67.61</td><td>24.00</td><td>-26.09</td><td>59.61</td><td>45.44</td><td>32.23</td><td>63.57</td><td>106</td><td>126 Peak</td></tr><tr><td>2</td><td>15000.00</td><td>67.06</td><td>24.00</td><td>-26.94</td><td>55.40</td><td>41.00</td><td>14.75</td><td>64.11</td><td>223</td><td>151 Peak</td></tr><tr><td>3</td><td>15000.00</td><td>51.18</td><td>24.00</td><td>-2.72</td><td>59.62</td><td>41.00</td><td>14.75</td><td>64.11</td><td>227</td><td>161 Average</td></tr></table>	Unit	Band	Ant	Cable	Preamp	RF	TP	Remark	Freq	Level	Line	Margin	Level	Factor	Loss		MHz	dBm/Hz	dBm/Hz	dB	dBm	dB	dB		1	10000.00	67.61	24.00	-26.09	59.61	45.44	32.23	63.57	106	126 Peak	2	15000.00	67.06	24.00	-26.94	55.40	41.00	14.75	64.11	223	151 Peak	3	15000.00	51.18	24.00	-2.72	59.62	41.00	14.75	64.11	227	161 Average
Unit	Band	Ant	Cable	Preamp	RF	TP	Remark																																																																																																		
Freq	Level	Line	Margin	Level	Factor	Loss																																																																																																			
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1	10000.00	67.64	24.00	-26.51	59.09	45.44	32.23	63.97	---	Peak																																																																																															
2	15000.00	68.10	24.00	-25.50	56.84	45.00	14.75	64.11	---	Peak																																																																																															
Unit	Band	Ant	Cable	Preamp	RF	TP	Remark																																																																																																		
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1	10000.00	67.61	24.00	-26.09	59.61	45.44	32.23	63.57	106	126 Peak																																																																																															
2	15000.00	67.06	24.00	-26.94	55.40	41.00	14.75	64.11	223	151 Peak																																																																																															
3	15000.00	51.18	24.00	-2.72	59.62	41.00	14.75	64.11	227	161 Average																																																																																															



Mode	62																																																																														
	Band Edge - L																																																																														
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Pol.	Horizontal	Fundamental																																																																													
Peak	 Level (dBuV/m) Frequency (MHz) Limit Read Ant. Cable Pump Loss Factor Alto- TPos Remark <table><tr><th>Limit</th><th>Read</th><th>Ant. Cable Pump</th><th>Loss Factor</th><th>Alto- TPos</th><th>Remark</th></tr><tr><th>Freq. Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/u</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5404.00</td><td>50.03</td><td>74.00</td><td>-23.07</td><td>37.05</td><td>15.06</td><td>0.64</td><td>12.02</td><td>300</td><td>160 PEAK</td></tr></table>	Limit	Read	Ant. Cable Pump	Loss Factor	Alto- TPos	Remark	Freq. Level	Line Margin	Level Factor	Loss Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB	cm	deg	1	5404.00	50.03	74.00	-23.07	37.05	15.06	0.64	12.02	300	160 PEAK	 Level (dBuV/m) Frequency (MHz) Limit Read Ant. Cable Pump Loss Factor Alto- TPos Remark <table><tr><th>Limit</th><th>Read</th><th>Ant. Cable Pump</th><th>Loss Factor</th><th>Alto- TPos</th><th>Remark</th></tr><tr><th>Freq. Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/u</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5366.00</td><td>56.90</td><td>74.00</td><td>-15.01</td><td>60.37</td><td>29.42</td><td>4.17</td><td>16.93</td><td>300</td><td>160 PEAK</td></tr><tr><td>2</td><td>5320.00</td><td>64.02</td><td>74.00</td><td>-10.00</td><td>67.07</td><td>36.01</td><td>0.18</td><td>12.64</td><td>300</td><td>160 PEAK</td></tr></table>	Limit	Read	Ant. Cable Pump	Loss Factor	Alto- TPos	Remark	Freq. Level	Line Margin	Level Factor	Loss Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB	cm	deg	1	5366.00	56.90	74.00	-15.01	60.37	29.42	4.17	16.93	300	160 PEAK	2	5320.00	64.02	74.00	-10.00	67.07	36.01	0.18	12.64	300	160 PEAK
	Limit	Read	Ant. Cable Pump	Loss Factor	Alto- TPos	Remark																																																																									
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1	5404.00	50.03	74.00	-23.07	37.05	15.06	0.64	12.02	300	160 PEAK																																																																					
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	Limit	Read	Ant. Cable Pump	Loss Factor	Alto- TPos	Remark																																																																									
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MHz	dBuV/m	dBuV/m	dB	dBuV	dB/u	dB	dB	cm	deg																																																																						
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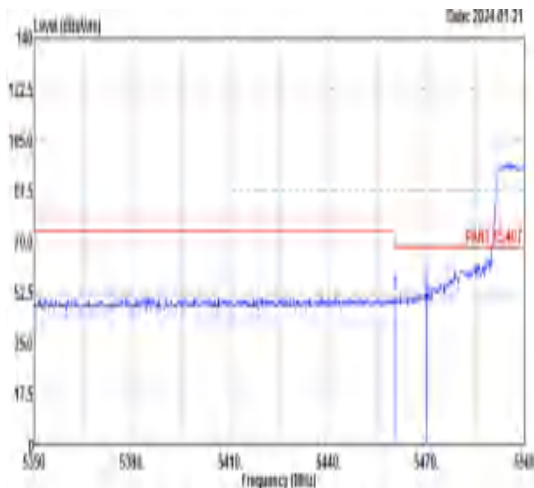
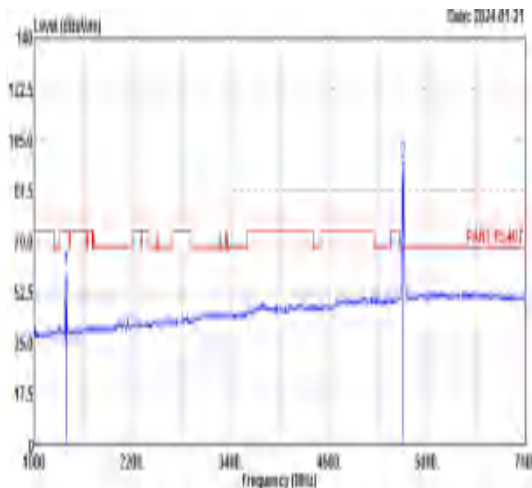
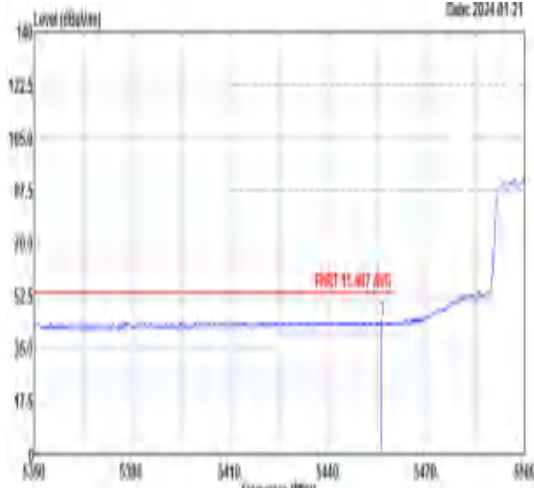
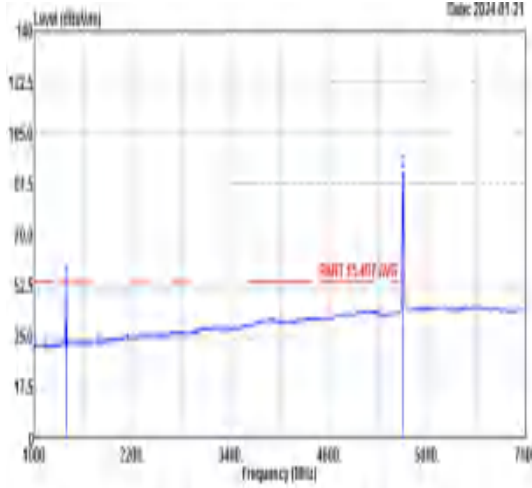


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Pol.	Vertical	Fundamental																																																																																	
Peak	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Att</th><th>Ths</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr><tr><td>1</td><td>5320.24</td><td>67.87</td><td>74.00</td><td>-10.91</td><td>50.34</td><td>15.90</td><td>8.37</td><td>17.83 270 160 PEAK</td></tr></table>		Limit	Read	Ant	Cable	Pump	Att	Ths		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBm	dB	dB	dB	dB	dB	deg	1	5320.24	67.87	74.00	-10.91	50.34	15.90	8.37	17.83 270 160 PEAK	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Att</th><th>Ths</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr><tr><td>1</td><td>5366.00</td><td>56.70</td><td>74.00</td><td>-17.30</td><td>58.86</td><td>28.42</td><td>4.17</td><td>16.93 270 160 PEAK</td></tr><tr><td>2</td><td>5320.00</td><td>100.82</td><td>74.00</td><td>26.82</td><td>97.37</td><td>16.01</td><td>9.18</td><td>12.64 270 160 PEAK</td></tr></table>		Limit	Read	Ant	Cable	Pump	Att	Ths		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBm	dB	dB	dB	dB	dB	deg	1	5366.00	56.70	74.00	-17.30	58.86	28.42	4.17	16.93 270 160 PEAK	2	5320.00	100.82	74.00	26.82	97.37	16.01	9.18	12.64 270 160 PEAK
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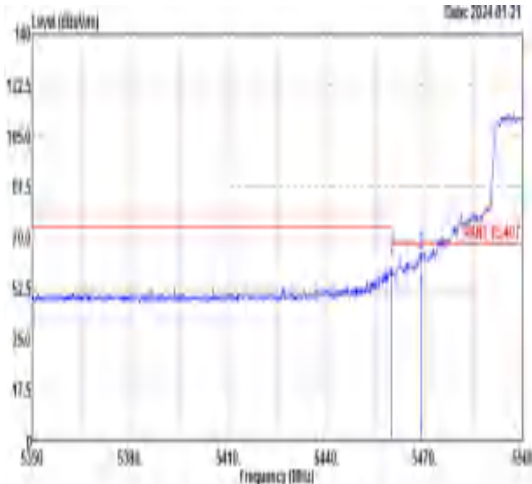
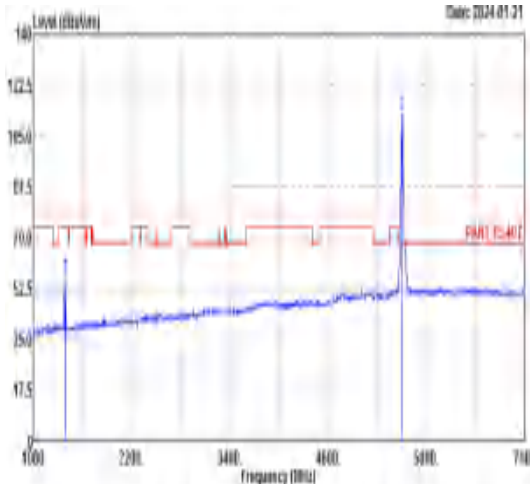
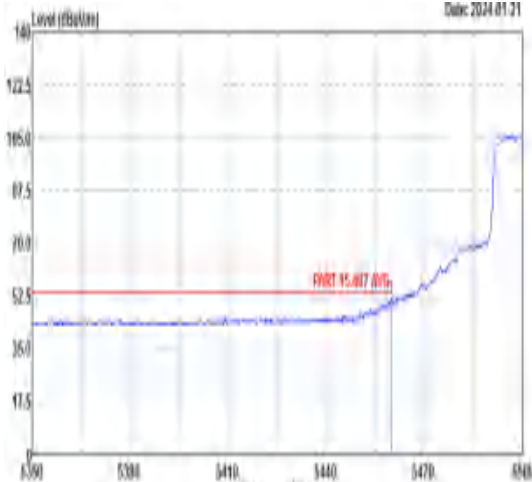
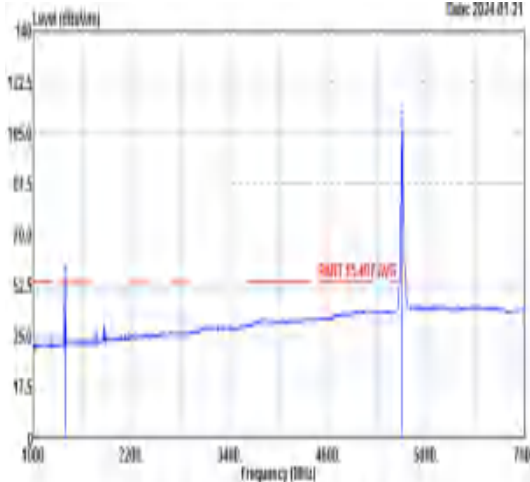


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Peak Avg	Level (dBm/Hz) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 8500 10000 11500 13000 14500 16000 Frequency (MHz) Date: 2024-01-27 <table><tr><th></th><th>Limit</th><th>Over</th><th>Peak</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th><th></th><th></th></tr><tr><th></th><th>dBm</th><th>dBm/Hz</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr><tr><td>1</td><td>10040.00</td><td>56.66</td><td>24.00</td><td>-27.56</td><td>58.82</td><td>-35.86</td><td>32.26</td><td>63.55</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>15060.00</td><td>68.57</td><td>34.00</td><td>-25.43</td><td>56.00</td><td>-43.07</td><td>34.77</td><td>64.18</td><td>---</td><td>Peak</td></tr></table>		Limit	Over	Peak	Ant	Cable	Preamp	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss Factor					dBm	dBm/Hz	dB	dBm	dB	dB	dB	dB	deg	1	10040.00	56.66	24.00	-27.56	58.82	-35.86	32.26	63.55	---	Peak	2	15060.00	68.57	34.00	-25.43	56.00	-43.07	34.77	64.18	---	Peak	Level (dBm/Hz) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 8500 10000 11500 13000 14500 16000 Frequency (MHz) Date: 2024-01-24 <table><tr><th></th><th>Limit</th><th>Over</th><th>Peak</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss factor</th><th></th><th></th><th></th></tr><tr><th></th><th>dBm</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr><tr><td>1</td><td>10040.00</td><td>54.45</td><td>15.00</td><td>-19.55</td><td>56.88</td><td>-38.86</td><td>33.26</td><td>63.55</td><td>287</td><td>Peak</td></tr><tr><td>2</td><td>10040.00</td><td>46.88</td><td>58.00</td><td>-7.12</td><td>59.31</td><td>-38.86</td><td>32.26</td><td>63.55</td><td>207</td><td>Average</td></tr><tr><td>3</td><td>15060.00</td><td>58.00</td><td>74.00</td><td>-16.00</td><td>56.29</td><td>-41.07</td><td>34.77</td><td>64.18</td><td>205</td><td>Peak</td></tr><tr><td>4</td><td>15060.00</td><td>48.00</td><td>54.00</td><td>-5.00</td><td>57.29</td><td>-41.07</td><td>34.77</td><td>64.18</td><td>205</td><td>Average</td></tr></table>		Limit	Over	Peak	Ant	Cable	Preamp	APos	TPos	Remark	Freq	Level	Line	Limit	Level	Factor	Loss factor					dBm	dBm/Hz	dBm/Hz	dB	dBm	dB	dB	dB	deg	1	10040.00	54.45	15.00	-19.55	56.88	-38.86	33.26	63.55	287	Peak	2	10040.00	46.88	58.00	-7.12	59.31	-38.86	32.26	63.55	207	Average	3	15060.00	58.00	74.00	-16.00	56.29	-41.07	34.77	64.18	205	Peak	4	15060.00	48.00	54.00	-5.00	57.29	-41.07	34.77	64.18	205	Average
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	MHz	dBm	m	dBm	dB	dBm	dB																																																																																											
1	5450.00	44.82	26.00	-0.18	31.26	35.91	9.07	12.04	200	96	AVERAGE																																																																																							
Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark																																																																																											
Freq	Level	Line	Margin	Level	Factor	Loss	Factor																																																																																											
	MHz	dBm	m	dBm	dB	dBm	dB																																																																																											
1	5450.00	52.65	26.00	-1.35	47.59	38.42	4.17	16.49	200	96	AVERAGE																																																																																							
2	5500.00	41.42	26.30	-14.88	47.83	35.90	9.70	12.01	200	96	AVERAGE																																																																																							



Mode	63																																																																	
	Band Edge																																																																	
	U-NII-2C_5.47-5.725_802.11ac VHT20_CH100_5500MHZ																																																																	
ANT	CDD 0+1																																																																	
Pol.	Vertical	Fundamental																																																																
Peak	<table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><td>5470.00</td><td>75.407</td><td>0.00</td><td>-1.75</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0 PEAK</td></tr><tr><td>5470.00</td><td>75.407</td><td>0.00</td><td>-1.75</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0 PEAK</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	5470.00	75.407	0.00	-1.75	0.00	0.00	0.00	0 PEAK	5470.00	75.407	0.00	-1.75	0.00	0.00	0.00	0 PEAK	<table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><td>5470.00</td><td>75.407</td><td>0.00</td><td>-1.75</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0 PEAK</td></tr><tr><td>5470.00</td><td>75.407</td><td>0.00</td><td>-1.75</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0 PEAK</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	5470.00	75.407	0.00	-1.75	0.00	0.00	0.00	0 PEAK	5470.00	75.407	0.00	-1.75	0.00	0.00	0.00	0 PEAK
	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark																																																										
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Avg	<table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><td>5470.00</td><td>75.407</td><td>0.00</td><td>-1.75</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0 AVERAGE</td></tr><tr><td>5470.00</td><td>75.407</td><td>0.00</td><td>-1.75</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0 AVERAGE</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	5470.00	75.407	0.00	-1.75	0.00	0.00	0.00	0 AVERAGE	5470.00	75.407	0.00	-1.75	0.00	0.00	0.00	0 AVERAGE	<table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><td>5470.00</td><td>75.407</td><td>0.00</td><td>-1.75</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0 AVERAGE</td></tr><tr><td>5470.00</td><td>75.407</td><td>0.00</td><td>-1.75</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0 AVERAGE</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	5470.00	75.407	0.00	-1.75	0.00	0.00	0.00	0 AVERAGE	5470.00	75.407	0.00	-1.75	0.00	0.00	0.00	0 AVERAGE
	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark																																																										
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5470.00	75.407	0.00	-1.75	0.00	0.00	0.00	0 AVERAGE																																																											
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5470.00	75.407	0.00	-1.75	0.00	0.00	0.00	0 AVERAGE																																																											
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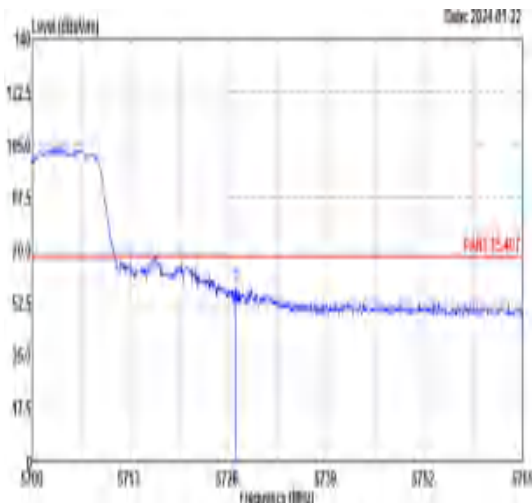
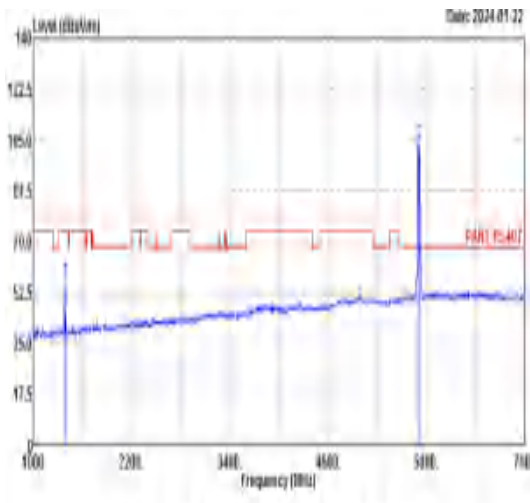
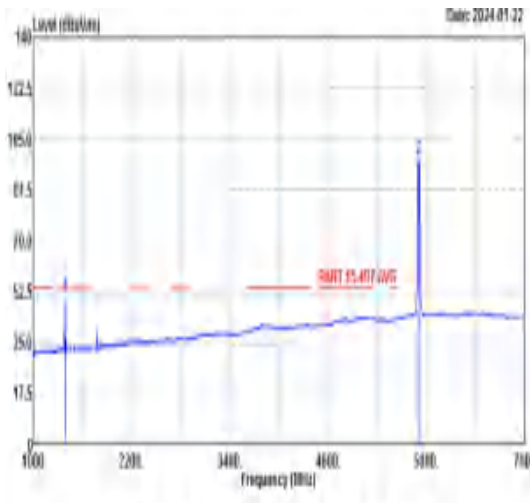


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	Harmonic	
	U-NII-2C_5.47-5.725_802.11ac VHT20_CH100_5500MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	Level (dBm/Hz) 110.0 107.5 105.0 102.5 100.0 97.5 95.0 92.5 90.0 87.5 85.0 82.5 80.0 77.5 75.0 72.5 70.0 67.5 65.0 62.5 60.0 57.5 55.0 52.5 50.0 47.5 45.0 42.5 40.0 37.5 35.0 32.5 30.0 27.5 25.0 22.5 20.0 17.5 15.0 12.5 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0 -12.5 -15.0 -17.5 -20.0 -22.5 -25.0 -27.5 -30.0 -32.5 -35.0 -37.5 -40.0 -42.5 -45.0 -47.5 -50.0 -52.5 -55.0 -57.5 -60.0 -62.5 -65.0 -67.5 -70.0 -72.5 -75.0 -77.5 -80.0 -82.5 -85.0 -87.5 -90.0 -92.5 -95.0 -97.5 -100.0 -102.5 -105.0 -107.5 -110.0 -112.5 -115.0 -117.5 -120.0 -122.5 -125.0 -127.5 -130.0 -132.5 -135.0 -137.5 -140.0 -142.5 -145.0 -147.5 -150.0 -152.5 -155.0 -157.5 -160.0 -162.5 -165.0 -167.5 -170.0 -172.5 -175.0 -177.5 -180.0 -182.5 -185.0 -187.5 -190.0 -192.5 -195.0 -197.5 -200.0 -202.5 -205.0 -207.5 -210.0 -212.5 -215.0 -217.5 -220.0 -222.5 -225.0 -227.5 -230.0 -232.5 -235.0 -237.5 -240.0 -242.5 -245.0 -247.5 -250.0 -252.5 -255.0 -257.5 -260.0 -262.5 -265.0 -267.5 -270.0 -272.5 -275.0 -277.5 -280.0 -282.5 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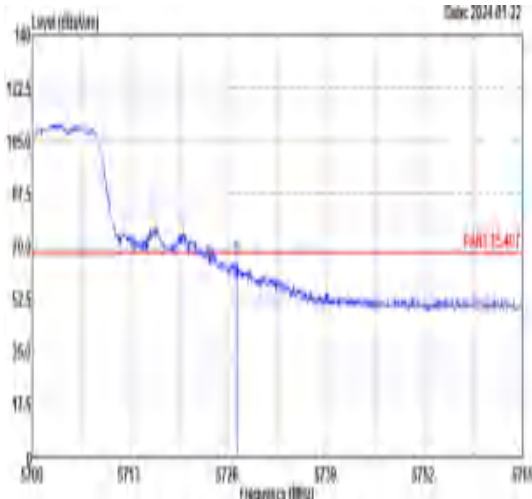
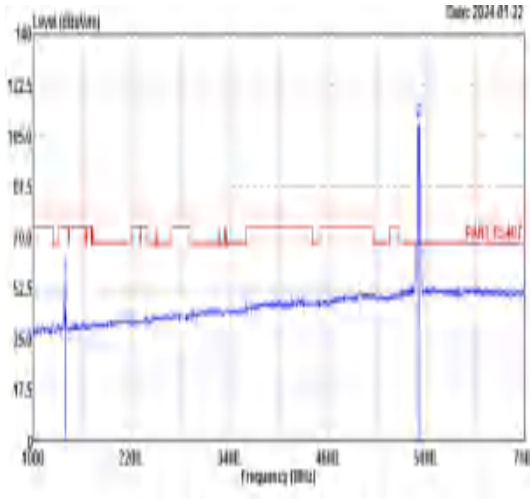
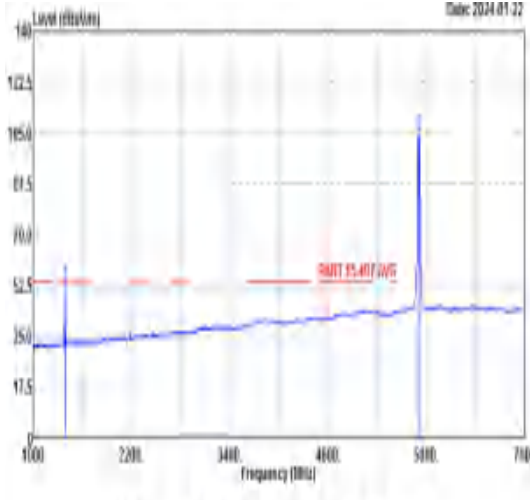


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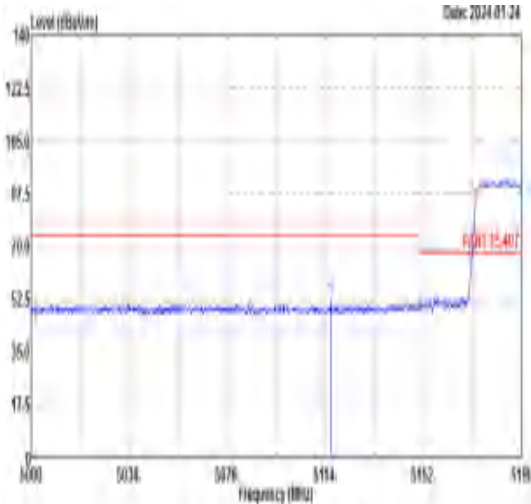
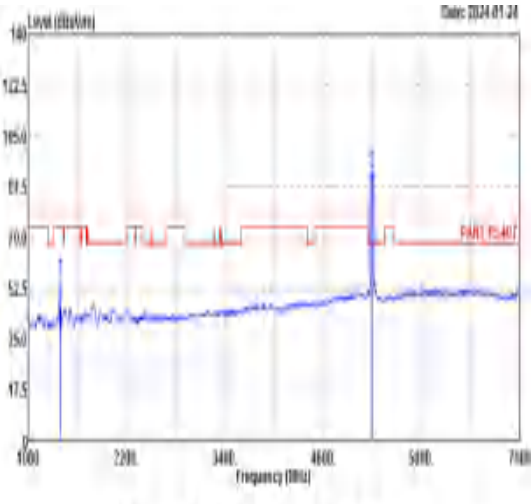
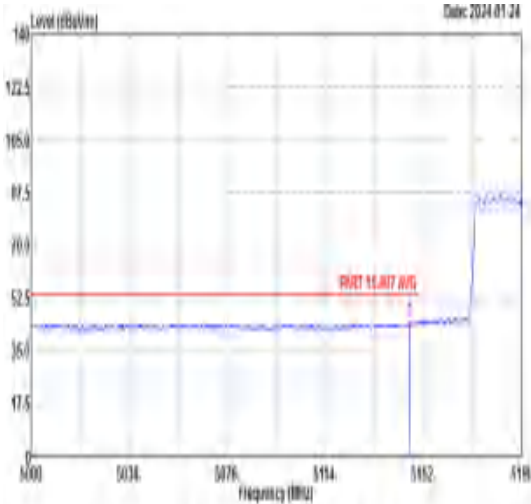
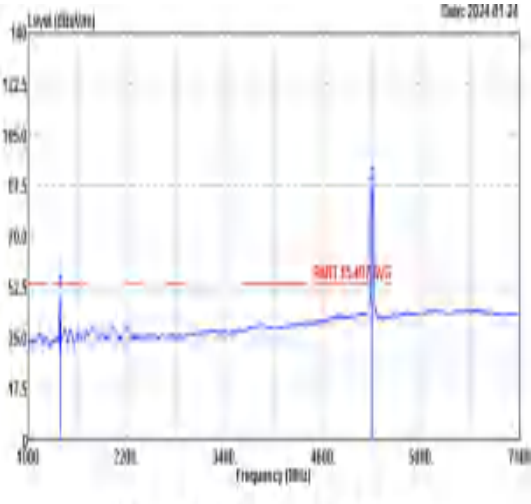


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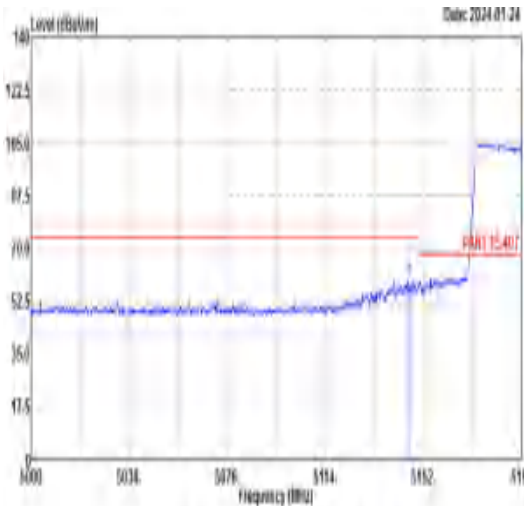
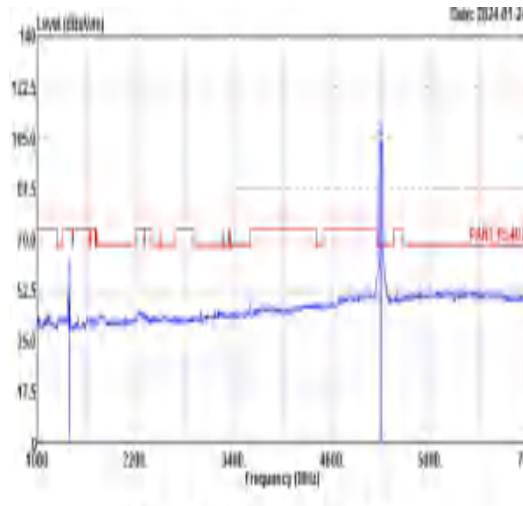
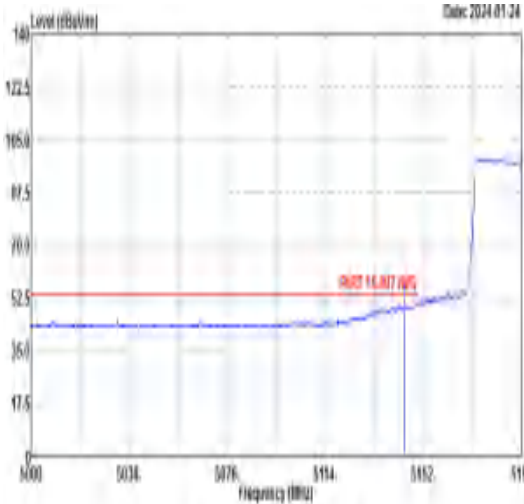
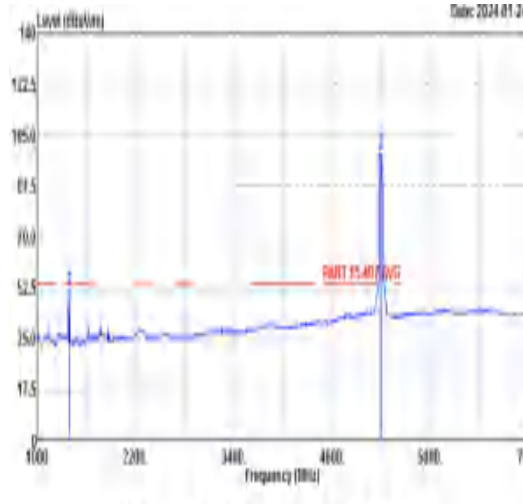


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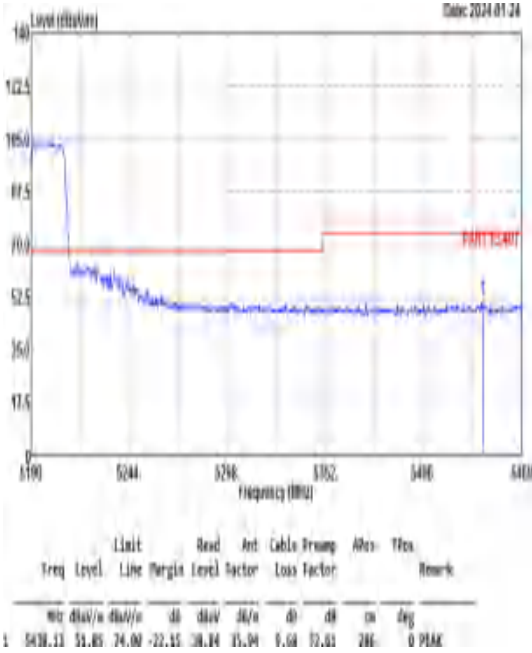
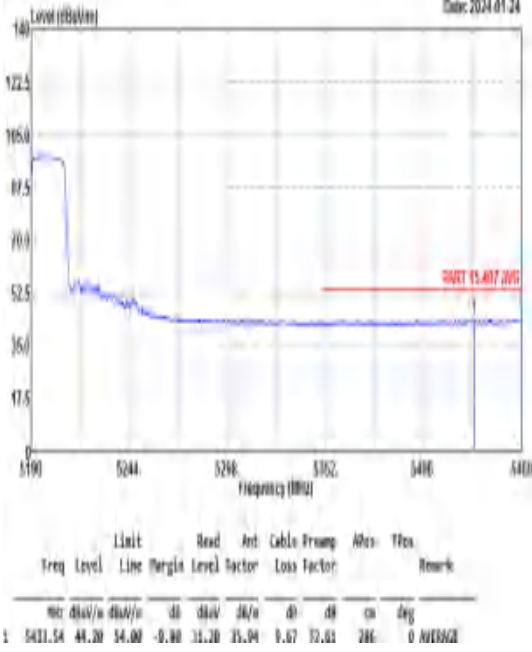


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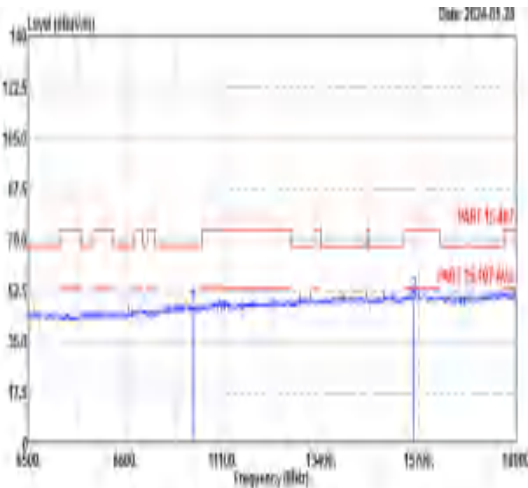
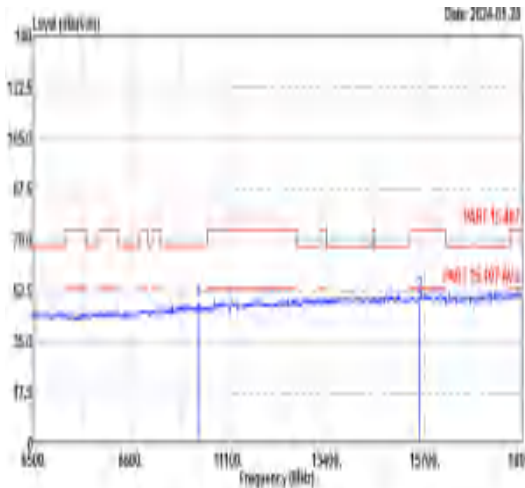


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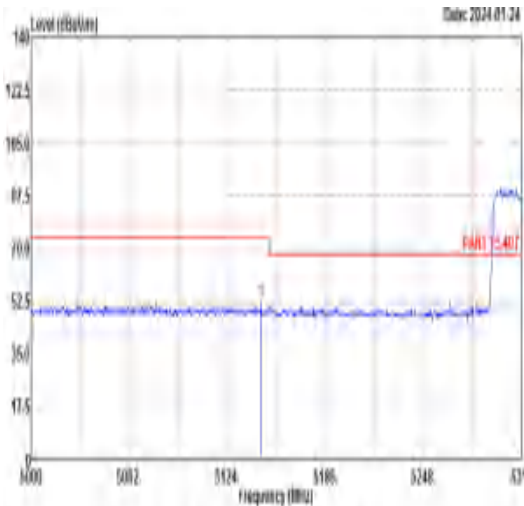
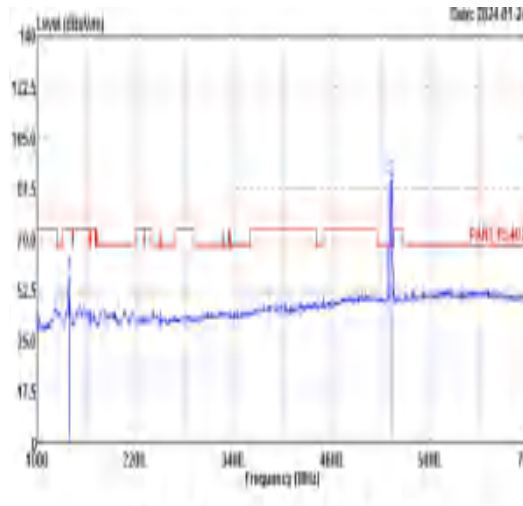
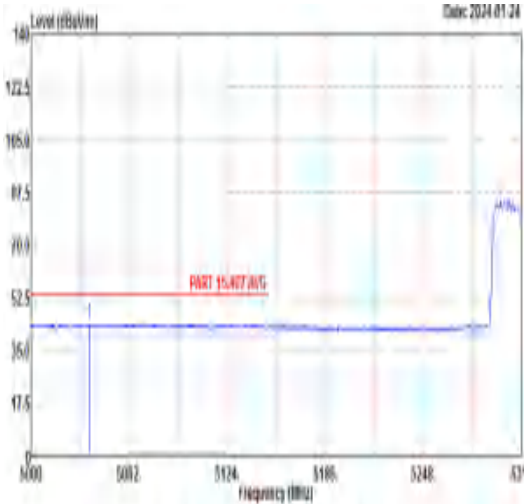
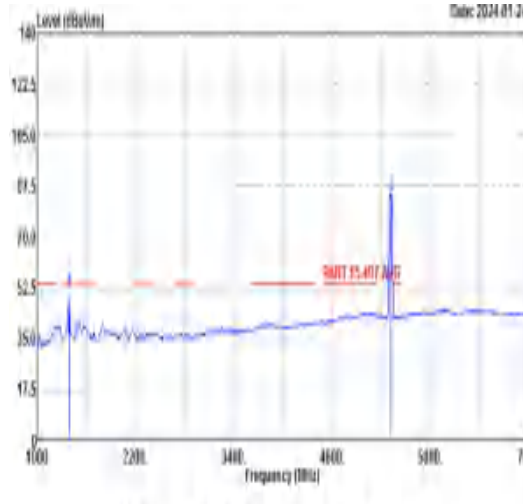
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Peak Avg	Level (dBm/Hz) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 Frequency (MHz) 8500 8600 11100 13400 15700 18100 Limit 15.407 Limit 15.407 (AVG) Date: 2024-01-23 <table><tr><th>Limit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><td>MHz</td><td>dBm/Hz</td><td>dBm/Hz</td><td>dB</td><td>dBm</td><td>dBm</td><td>dB</td><td>dB</td></tr><tr><td>1</td><td>10460.00</td><td>87.50</td><td>66.16</td><td>-20.77</td><td>66.24</td><td>48.79</td><td>12.13</td><td>63.61</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>15090.00</td><td>50.02</td><td>74.00</td><td>-21.30</td><td>50.10</td><td>40.87</td><td>14.05</td><td>64.04</td><td>---</td><td>Peak</td></tr></table>	Limit	Band	Ant	Cable	Preamp	RF	TP	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBm/Hz	dBm/Hz	dB	dBm	dBm	dB	dB	1	10460.00	87.50	66.16	-20.77	66.24	48.79	12.13	63.61	---	Peak	2	15090.00	50.02	74.00	-21.30	50.10	40.87	14.05	64.04	---	Peak	Level (dBm/Hz) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 Frequency (MHz) 8500 8600 11100 13400 15700 18100 Limit 15.407 Limit 15.407 (AVG) Date: 2024-01-23 <table><tr><th>Limit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><td>MHz</td><td>dBm/Hz</td><td>dBm/Hz</td><td>dB</td><td>dBm</td><td>dBm</td><td>dB</td><td>dB</td></tr><tr><td>1</td><td>10460.00</td><td>86.25</td><td>66.16</td><td>-18.04</td><td>62.97</td><td>46.78</td><td>12.13</td><td>63.61</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>15090.00</td><td>69.02</td><td>74.00</td><td>-11.99</td><td>64.56</td><td>40.85</td><td>14.45</td><td>64.04</td><td>255</td><td>50 Peak</td></tr><tr><td>3</td><td>15090.00</td><td>51.46</td><td>54.00</td><td>2.04</td><td>60.50</td><td>40.85</td><td>14.95</td><td>64.04</td><td>255</td><td>50 Average</td></tr></table>	Limit	Band	Ant	Cable	Preamp	RF	TP	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBm/Hz	dBm/Hz	dB	dBm	dBm	dB	dB	1	10460.00	86.25	66.16	-18.04	62.97	46.78	12.13	63.61	---	Peak	2	15090.00	69.02	74.00	-11.99	64.56	40.85	14.45	64.04	255	50 Peak	3	15090.00	51.46	54.00	2.04	60.50	40.85	14.95	64.04	255	50 Average
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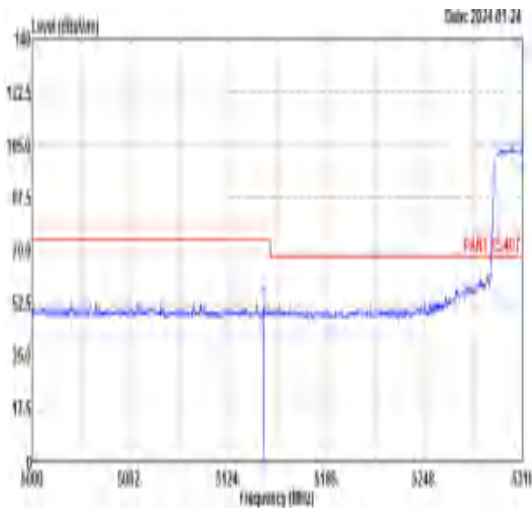
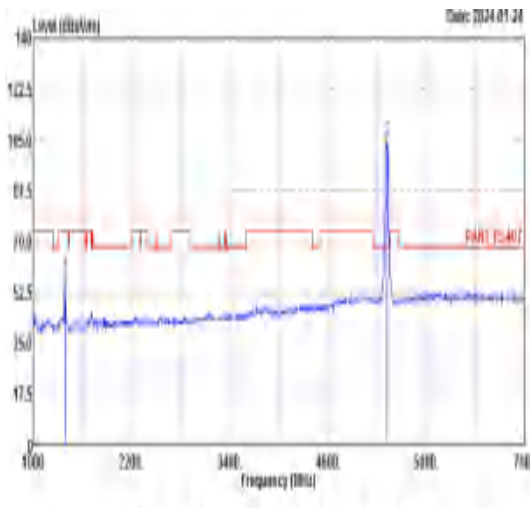
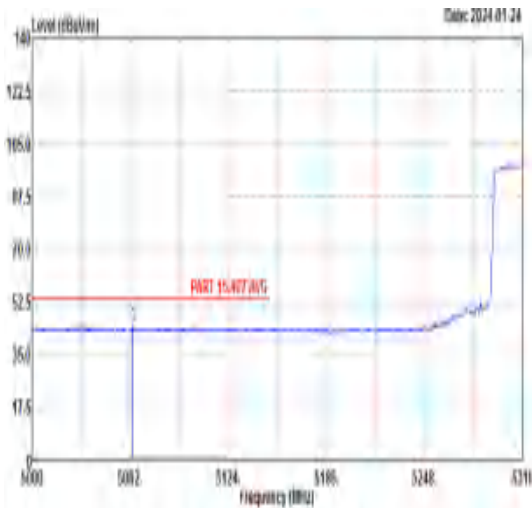
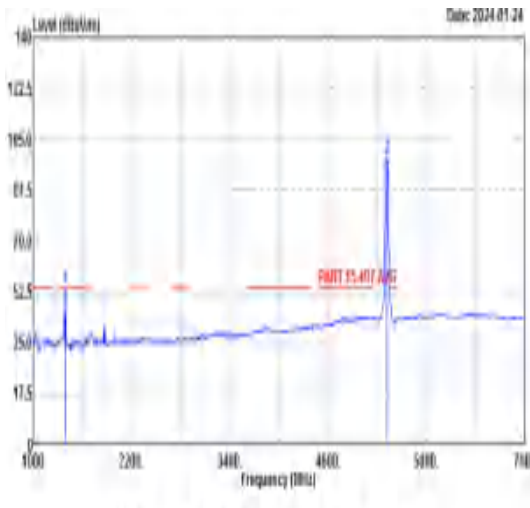


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Pol.	Horizontal	Fundamental																																																																																												
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	Band Edge - R	
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ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak		

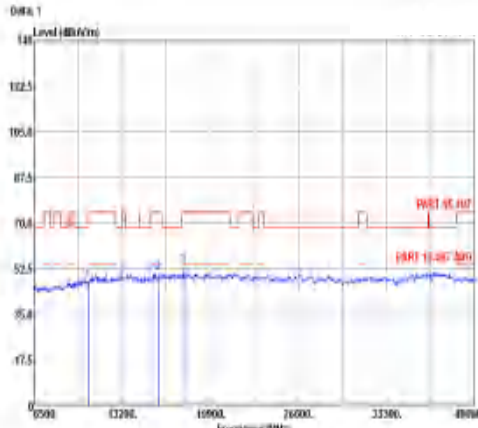
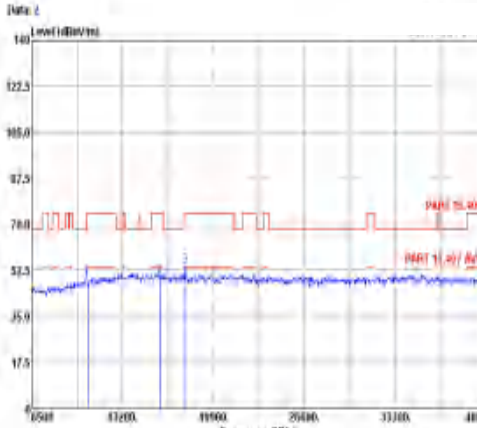


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Peak	<table><tr><th colspan="2">Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Alos</th><th>Tloss</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th></th><th>MHz</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th></th></tr><tr><td>1</td><td>5246.33</td><td>52.27</td><td>74.00</td><td>-21.73</td><td>-40.30</td><td>16.11</td><td>8.53</td><td>12.07</td><td>260</td><td>0</td><td>PEAK</td></tr></table>	Limit		Read	Ant	Cable	Pump	Alos	Tloss	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor		MHz	dBm	dB	dBm	dB	dB	dB		1	5246.33	52.27	74.00	-21.73	-40.30	16.11	8.53	12.07	260	0	PEAK	<table><tr><th colspan="2">Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Alos</th><th>Tloss</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th></th><th>MHz</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th></th></tr><tr><td>1</td><td>5246.00</td><td>56.82</td><td>68.30</td><td>-9.48</td><td>-50.80</td><td>29.42</td><td>4.13</td><td>16.93</td><td>260</td><td>0</td><td>PEAK</td></tr><tr><td>2</td><td>5310.00</td><td>104.90</td><td>---</td><td>---</td><td>---</td><td>92.48</td><td>16.02</td><td>9.12</td><td>12.64</td><td>260</td><td>0</td><td>PEAK</td></tr></table>	Limit		Read	Ant	Cable	Pump	Alos	Tloss	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor		MHz	dBm	dB	dBm	dB	dB	dB		1	5246.00	56.82	68.30	-9.48	-50.80	29.42	4.13	16.93	260	0	PEAK	2	5310.00	104.90	---	---	---	92.48	16.02	9.12	12.64	260	0	PEAK
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Avg	<table><tr><th colspan="2">Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Alos</th><th>Tloss</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th></th><th>MHz</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th></th></tr><tr><td>1</td><td>5246.55</td><td>44.77</td><td>54.00</td><td>-9.23</td><td>-32.92</td><td>16.16</td><td>8.38</td><td>12.00</td><td>260</td><td>0</td><td>AVERAGE</td></tr></table>	Limit		Read	Ant	Cable	Pump	Alos	Tloss	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor		MHz	dBm	dB	dBm	dB	dB	dB		1	5246.55	44.77	54.00	-9.23	-32.92	16.16	8.38	12.00	260	0	AVERAGE	<table><tr><th colspan="2">Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Alos</th><th>Tloss</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th></th><th>MHz</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th></th></tr><tr><td>1</td><td>5246.00</td><td>51.75</td><td>54.00</td><td>-9.24</td><td>-51.34</td><td>29.42</td><td>4.13</td><td>16.93</td><td>260</td><td>0</td><td>AVERAGE</td></tr><tr><td>2</td><td>5310.00</td><td>98.15</td><td>---</td><td>---</td><td>---</td><td>95.85</td><td>16.02</td><td>9.12</td><td>12.64</td><td>260</td><td>0</td><td>AVERAGE</td></tr></table>	Limit		Read	Ant	Cable	Pump	Alos	Tloss	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor		MHz	dBm	dB	dBm	dB	dB	dB		1	5246.00	51.75	54.00	-9.24	-51.34	29.42	4.13	16.93	260	0	AVERAGE	2	5310.00	98.15	---	---	---	95.85	16.02	9.12	12.64	260	0	AVERAGE
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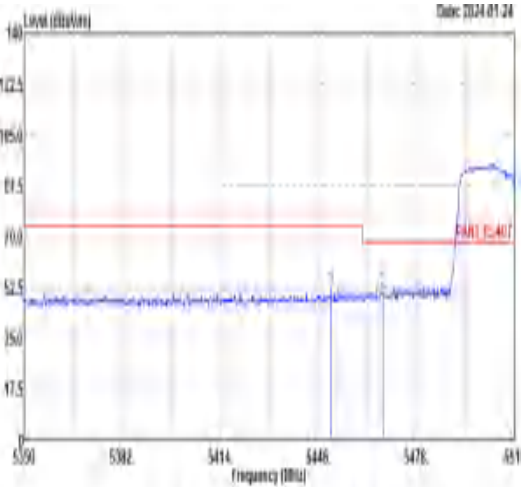
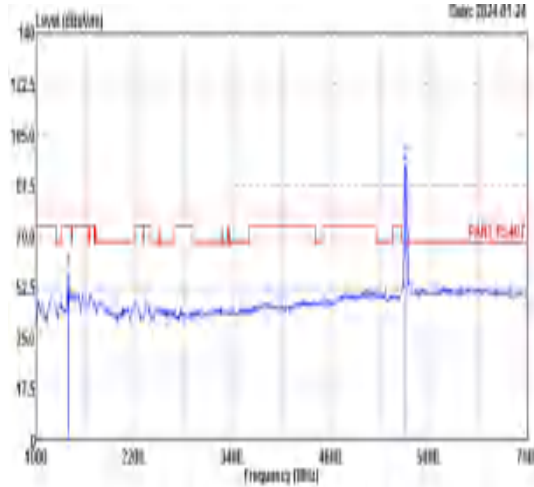
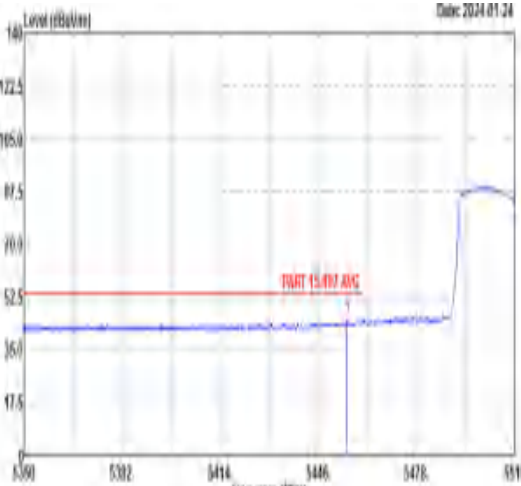
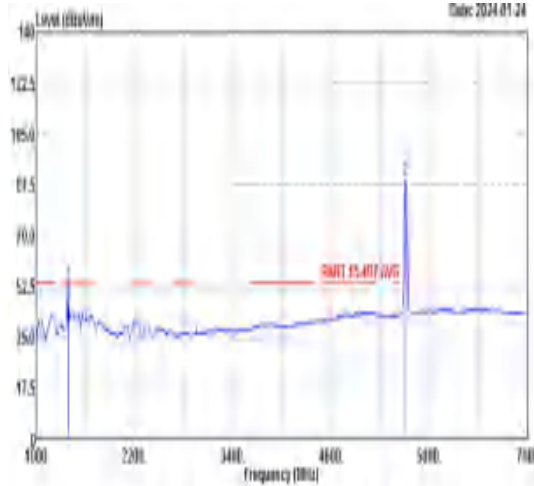
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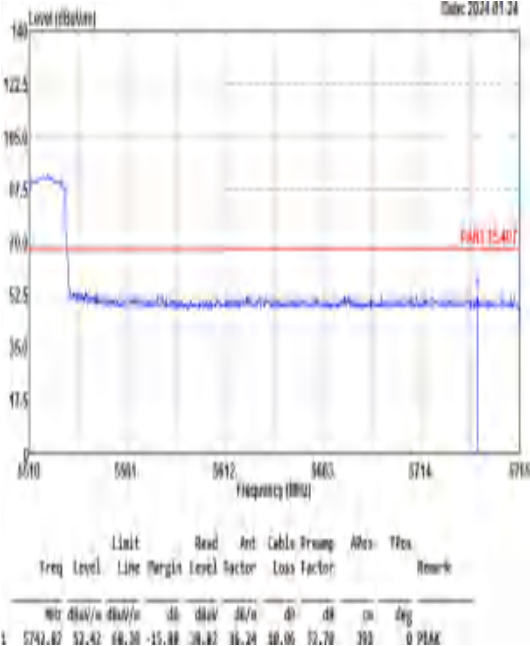
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Note: Only the worst case has assessed 18G ~40GHz to test.

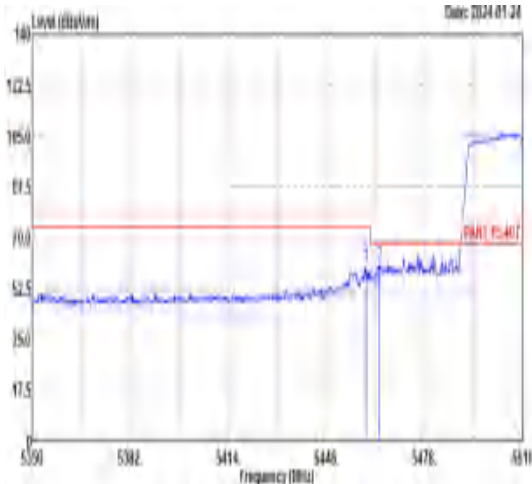
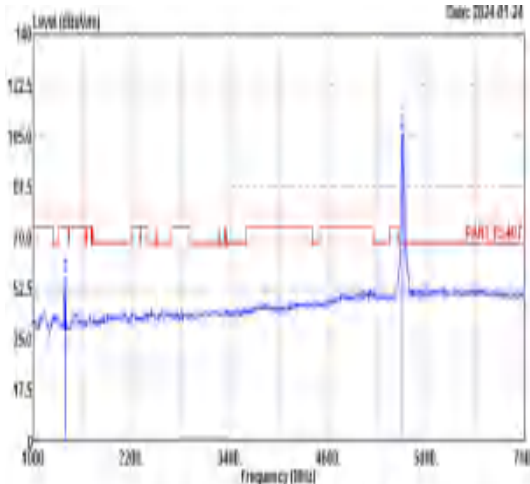
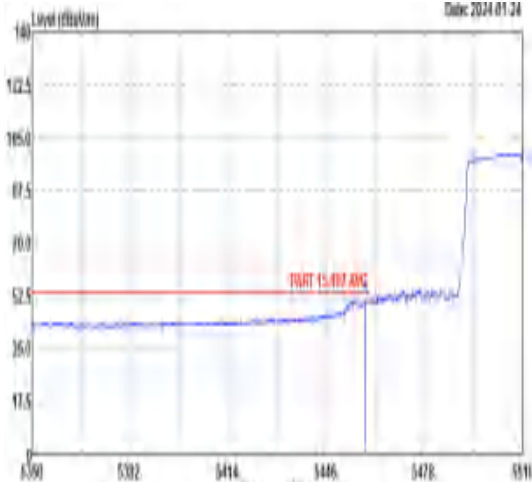
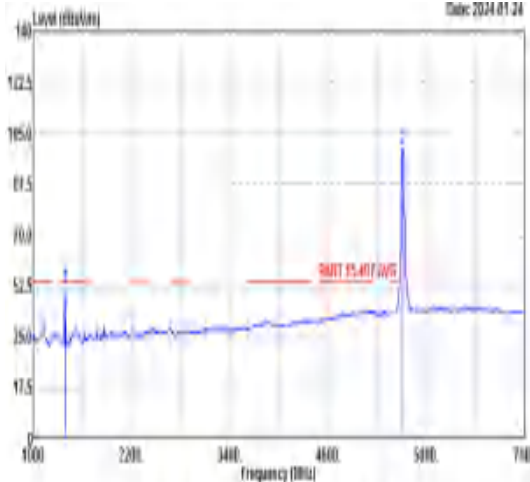


Mode	70																																																																																																	
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ANT	CDD 0+1																																																																																																	
Pol.	Horizontal	Fundamental																																																																																																
Peak	 Level (dBm) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a blue trace with a sharp peak at 5.725 MHz. A red limit line is at 70.0 dBm. The peak is labeled 'PEAK 70.0'. The x-axis ranges from 5.500 to 5.910 MHz. The y-axis ranges from 47.5 to 140 dBm. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBm</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5450.00</td><td>52.05</td><td>26.00</td><td>-11.95</td><td>26.05</td><td>35.91</td><td>9.88</td><td>12.41</td><td>26.0</td><td>0</td><td>PEAK</td></tr><tr><td>2</td><td>5460.00</td><td>51.49</td><td>26.30</td><td>-16.81</td><td>26.40</td><td>35.90</td><td>9.89</td><td>12.41</td><td>26.0</td><td>0</td><td>PEAK</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBm	dBm	dB	dBm	dB	dB	dB	1	5450.00	52.05	26.00	-11.95	26.05	35.91	9.88	12.41	26.0	0	PEAK	2	5460.00	51.49	26.30	-16.81	26.40	35.90	9.89	12.41	26.0	0	PEAK	 Level (dBm) vs Frequency (MHz) plot for Fundamental polarization. The plot shows a blue trace with a sharp peak at 5.725 MHz. A red limit line is at 70.0 dBm. The peak is labeled 'PEAK 70.0'. The x-axis ranges from 5.100 to 7.000 MHz. The y-axis ranges from 47.5 to 140 dBm. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBm</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5700.00</td><td>50.20</td><td>26.00</td><td>-15.76</td><td>26.63</td><td>26.42</td><td>4.21</td><td>16.91</td><td>26.0</td><td>0</td><td>PEAK</td></tr><tr><td>2</td><td>5510.00</td><td>49.14</td><td>26.30</td><td>-22.16</td><td>26.47</td><td>35.90</td><td>9.71</td><td>12.40</td><td>26.0</td><td>0</td><td>PEAK</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBm	dBm	dB	dBm	dB	dB	dB	1	5700.00	50.20	26.00	-15.76	26.63	26.42	4.21	16.91	26.0	0	PEAK	2	5510.00	49.14	26.30	-22.16	26.47	35.90	9.71	12.40	26.0	0	PEAK
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1	5700.00	50.20	26.00	-15.76	26.63	26.42	4.21	16.91	26.0	0	PEAK																																																																																							
2	5510.00	49.14	26.30	-22.16	26.47	35.90	9.71	12.40	26.0	0	PEAK																																																																																							
Avg	 Level (dBm) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a blue trace with a sharp peak at 5.725 MHz. A red limit line is at 70.0 dBm. The peak is labeled 'PEAK 70.0'. The x-axis ranges from 5.500 to 5.910 MHz. The y-axis ranges from 47.5 to 140 dBm. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBm</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5455.12</td><td>45.33</td><td>54.00</td><td>-8.67</td><td>32.33</td><td>35.91</td><td>9.58</td><td>12.81</td><td>26.0</td><td>0</td><td>AVERAGE</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBm	dBm	dB	dBm	dB	dB	dB	1	5455.12	45.33	54.00	-8.67	32.33	35.91	9.58	12.81	26.0	0	AVERAGE	 Level (dBm) vs Frequency (MHz) plot for Fundamental polarization. The plot shows a blue trace with a sharp peak at 5.725 MHz. A red limit line is at 70.0 dBm. The peak is labeled 'PEAK 70.0'. The x-axis ranges from 5.100 to 7.000 MHz. The y-axis ranges from 47.5 to 140 dBm. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBm</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5700.00</td><td>52.82</td><td>54.00</td><td>-1.18</td><td>54.20</td><td>26.42</td><td>4.21</td><td>16.91</td><td>26.0</td><td>0</td><td>AVERAGE</td></tr><tr><td>2</td><td>5510.00</td><td>49.21</td><td>26.30</td><td>-23.09</td><td>26.30</td><td>35.90</td><td>9.71</td><td>12.40</td><td>26.0</td><td>0</td><td>AVERAGE</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBm	dBm	dB	dBm	dB	dB	dB	1	5700.00	52.82	54.00	-1.18	54.20	26.42	4.21	16.91	26.0	0	AVERAGE	2	5510.00	49.21	26.30	-23.09	26.30	35.90	9.71	12.40	26.0	0	AVERAGE												
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Mode	70	
	Band Edge - R	
	U-NII-2C_5.47-5.725_802.11ac VHT40_CH102_5510MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
Peak		Blank



Mode	70																																																																																																			
	Band Edge - L																																																																																																			
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Pol.	Vertical	Fundamental																																																																																																		
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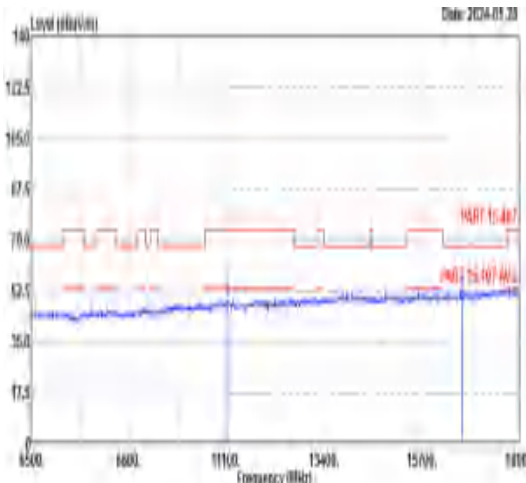
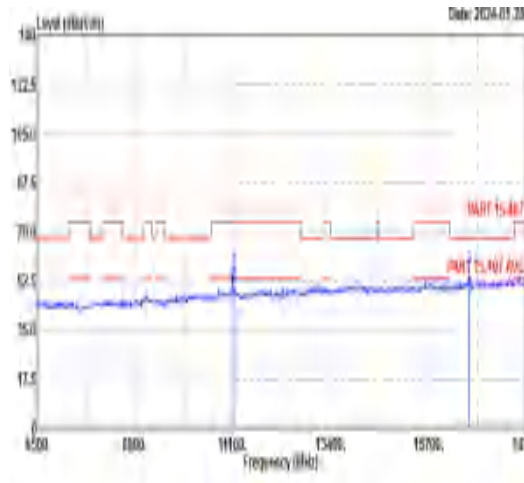


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Pol.	Vertical	Fundamental
Peak	</	

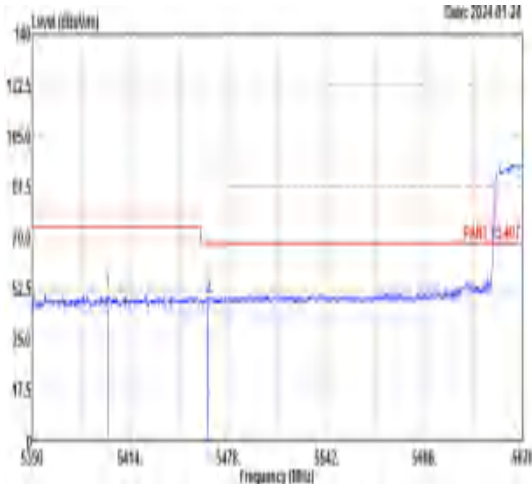
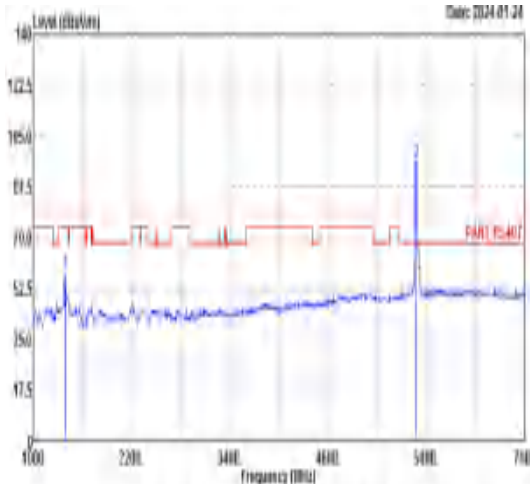
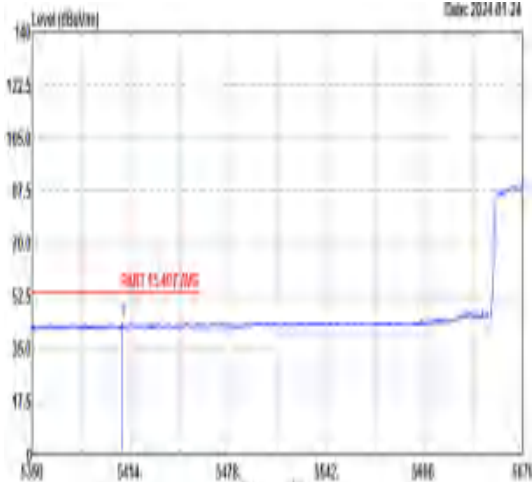
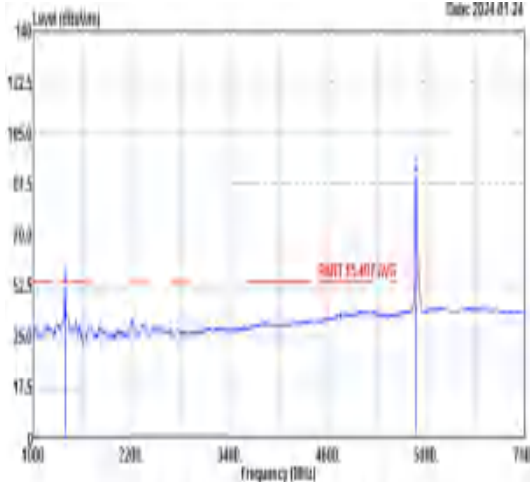


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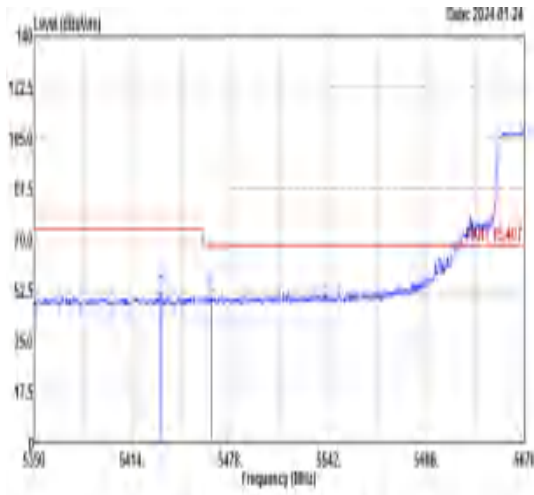
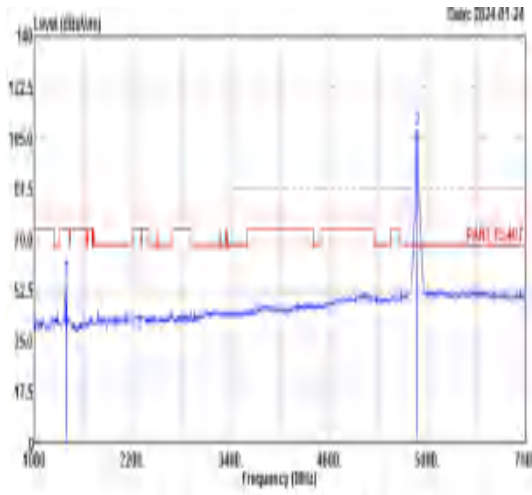
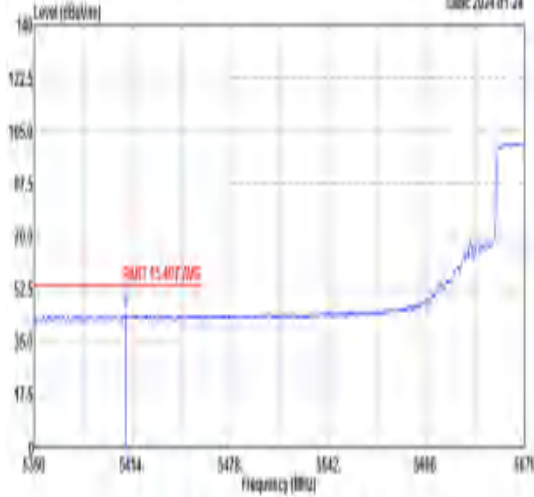
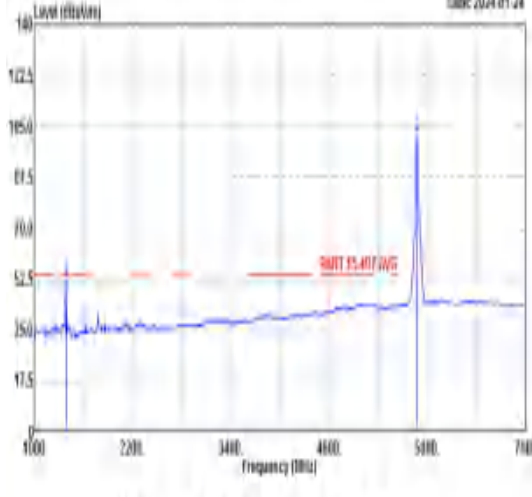


Mode	71																																																																																																			
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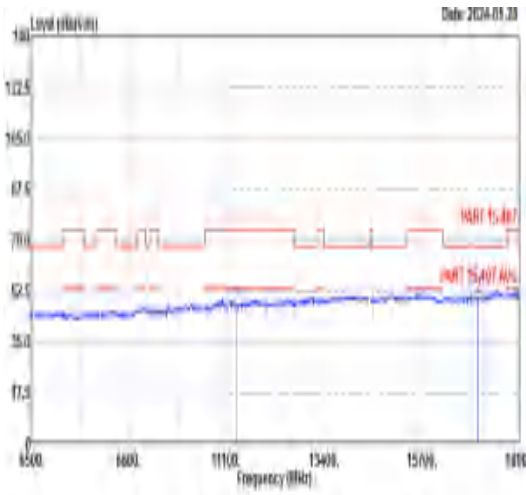
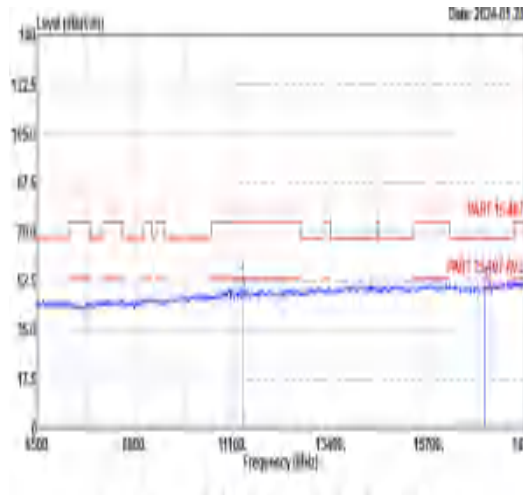


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1	11540.00	52.15	74.00	-21.85	65.65	39.14	12.27	63.44	232	227 Peak																																																																																																				
2	11340.00	47.10	51.00	-6.81	58.72	30.11	12.72	67.11	232	227 Average																																																																																																				
3	17010.00	51.31	68.10	-16.79	59.34	41.61	15.15	65.19	---	Peak																																																																																																				

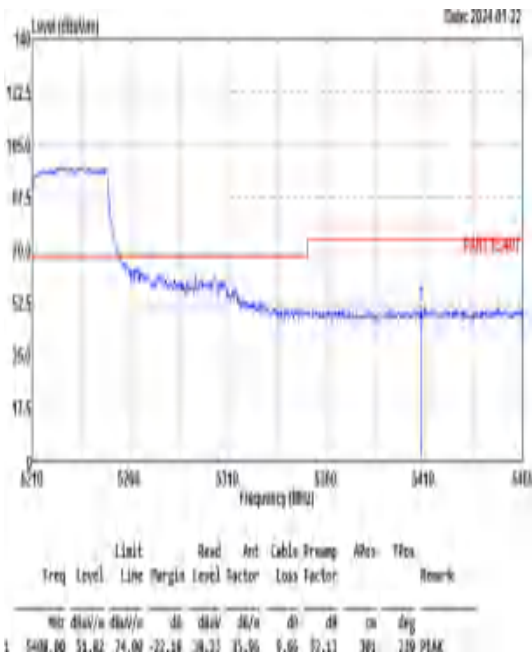
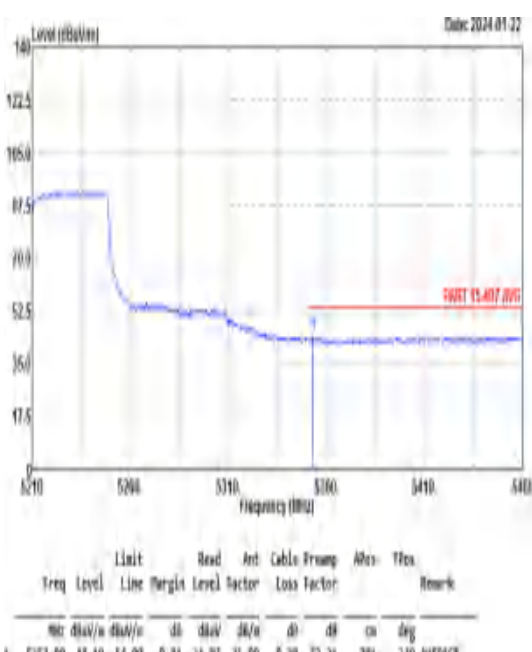


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Peak	<table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Att</th><th>Th</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>m</th><th>deg</th></tr><tr><td>1</td><td>5146.70</td><td>51.38</td><td>74.00</td><td>-22.62</td><td>32.33</td><td>16.11</td><td>8.53</td><td>32.40</td><td>400</td><td>228 PEAR</td></tr></table>	Limit	Read	Ant	Cable	Pump	Att	Th	Freq	Level	Line	Margin	Level	Factor	Loss Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	m	deg	1	5146.70	51.38	74.00	-22.62	32.33	16.11	8.53	32.40	400	228 PEAR	<table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Att</th><th>Th</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>m</th><th>deg</th></tr><tr><td>1</td><td>5146.00</td><td>52.65</td><td>74.00</td><td>-21.35</td><td>29.42</td><td>4.13</td><td>16.49</td><td>400</td><td>228 PEAR</td></tr><tr><td>2</td><td>5210.00</td><td>85.63</td><td>74.00</td><td>11.63</td><td>71.00</td><td>14.00</td><td>8.04</td><td>12.15</td><td>400</td><td>228 PEAR</td></tr></table>	Limit	Read	Ant	Cable	Pump	Att	Th	Freq	Level	Line	Margin	Level	Factor	Loss Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	m	deg	1	5146.00	52.65	74.00	-21.35	29.42	4.13	16.49	400	228 PEAR	2	5210.00	85.63	74.00	11.63	71.00	14.00	8.04	12.15	400	228 PEAR	
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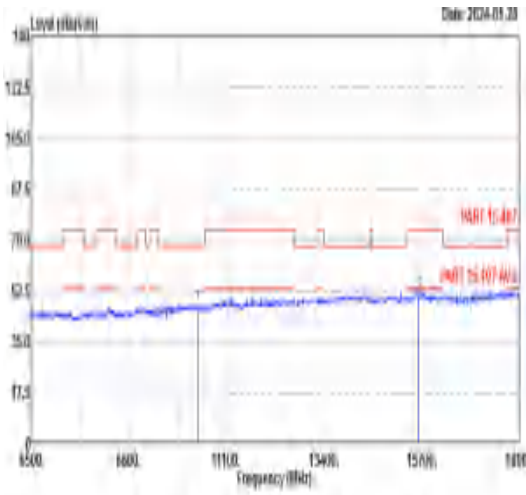
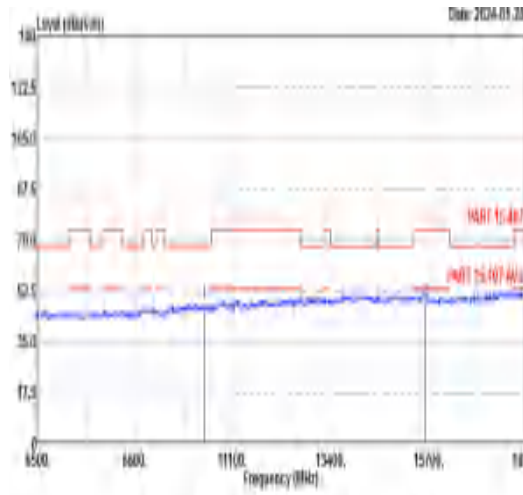


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Peak	Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 5000 5040 5080 5120 5160 5200 Frequency (MHz) Limit Read Ant. Cable Preamp Attenu Power Remark <table><tr><th>Line</th><th>Level</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Attenu</th><th>Power</th><th>Remark</th></tr><tr><th>Line</th><th>Level</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Attenu</th><th>Power</th><th>Remark</th></tr><tr><td>1</td><td>5140.47</td><td>64.30</td><td>74.00</td><td>-12.70</td><td>40.15</td><td>16.11</td><td>8.53</td><td>12.40</td><td>301</td><td>210 PEAR</td></tr></table>	Line	Level	Margin	Level	Factor	Loss	Factor	Attenu	Power	Remark	Line	Level	Margin	Level	Factor	Loss	Factor	Attenu	Power	Remark	1	5140.47	64.30	74.00	-12.70	40.15	16.11	8.53	12.40	301	210 PEAR	Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 1000 2000 3000 4000 5000 6000 7000 Frequency (MHz) Limit Read Ant. Cable Preamp Attenu Power Remark <table><tr><th>Line</th><th>Level</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Attenu</th><th>Power</th><th>Remark</th></tr><tr><th>Line</th><th>Level</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Attenu</th><th>Power</th><th>Remark</th></tr><tr><td>1</td><td>5140.00</td><td>58.00</td><td>74.00</td><td>-15.50</td><td>50.88</td><td>25.42</td><td>4.17</td><td>16.40</td><td>301</td><td>210 PEAR</td></tr><tr><td>2</td><td>5210.00</td><td>66.20</td><td>74.00</td><td>-7.80</td><td>36.00</td><td>6.80</td><td>12.44</td><td>301</td><td>210 PEAR</td></tr></table>	Line	Level	Margin	Level	Factor	Loss	Factor	Attenu	Power	Remark	Line	Level	Margin	Level	Factor	Loss	Factor	Attenu	Power	Remark	1	5140.00	58.00	74.00	-15.50	50.88	25.42	4.17	16.40	301	210 PEAR	2	5210.00	66.20	74.00	-7.80	36.00	6.80	12.44	301	210 PEAR
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Avg	Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 5000 5040 5080 5120 5160 5200 Frequency (MHz) Limit Read Ant. Cable Preamp Attenu Power Remark <table><tr><th>Line</th><th>Level</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Attenu</th><th>Power</th><th>Remark</th></tr><tr><th>Line</th><th>Level</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Attenu</th><th>Power</th><th>Remark</th></tr><tr><td>1</td><td>5140.05</td><td>52.00</td><td>54.00</td><td>-1.97</td><td>32.03</td><td>16.11</td><td>8.53</td><td>12.40</td><td>301</td><td>210 AVERAGE</td></tr></table>	Line	Level	Margin	Level	Factor	Loss	Factor	Attenu	Power	Remark	Line	Level	Margin	Level	Factor	Loss	Factor	Attenu	Power	Remark	1	5140.05	52.00	54.00	-1.97	32.03	16.11	8.53	12.40	301	210 AVERAGE	Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 1000 2000 3000 4000 5000 6000 7000 Frequency (MHz) Limit Read Ant. Cable Preamp Attenu Power Remark <table><tr><th>Line</th><th>Level</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Attenu</th><th>Power</th><th>Remark</th></tr><tr><th>Line</th><th>Level</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Attenu</th><th>Power</th><th>Remark</th></tr><tr><td>1</td><td>5140.00</td><td>52.00</td><td>54.00</td><td>-1.46</td><td>57.54</td><td>28.42</td><td>4.17</td><td>16.40</td><td>301</td><td>210 AVERAGE</td></tr><tr><td>2</td><td>5210.00</td><td>94.21</td><td>74.00</td><td>20.20</td><td>36.00</td><td>6.50</td><td>12.45</td><td>301</td><td>210 AVERAGE</td></tr></table>	Line	Level	Margin	Level	Factor	Loss	Factor	Attenu	Power	Remark	Line	Level	Margin	Level	Factor	Loss	Factor	Attenu	Power	Remark	1	5140.00	52.00	54.00	-1.46	57.54	28.42	4.17	16.40	301	210 AVERAGE	2	5210.00	94.21	74.00	20.20	36.00	6.50	12.45	301	210 AVERAGE
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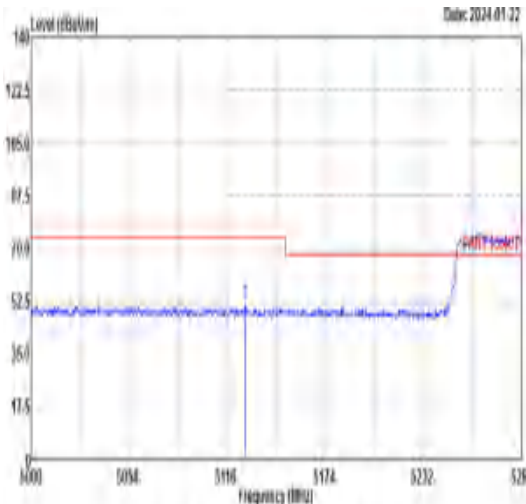
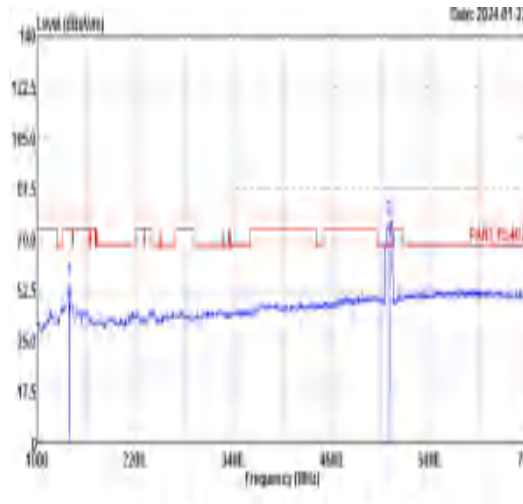
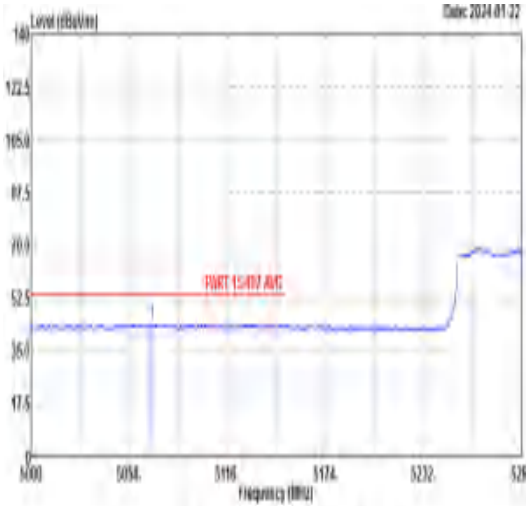
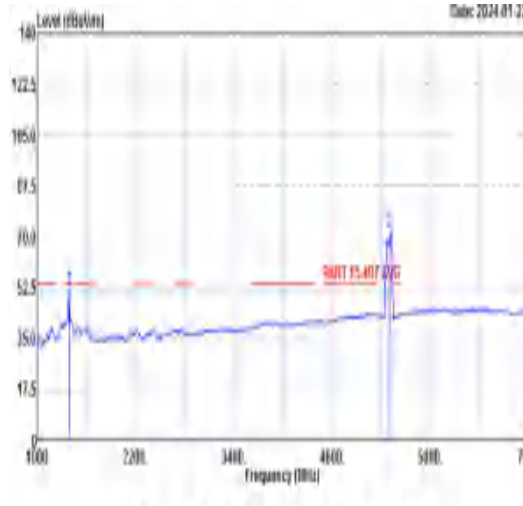


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Treq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																							
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Avg	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Pump</th><th>Atten</th><th>Thru</th><th></th></tr><tr><th>Treq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>dBm</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5400.00</td><td>44.19</td><td>54.00</td><td>-0.81</td><td>11.83</td><td>15.90</td><td>0.00</td><td>02.21</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>300</td><td>210 AVERAGE</td></tr></table>		Limit	Read	Ant	Cable	Pump	Atten	Thru		Treq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		dBm	dBm	dB	dBm	dB	dB	dB	dB	1	5400.00	44.19	54.00	-0.81	11.83	15.90	0.00	02.21								300	210 AVERAGE	Blank
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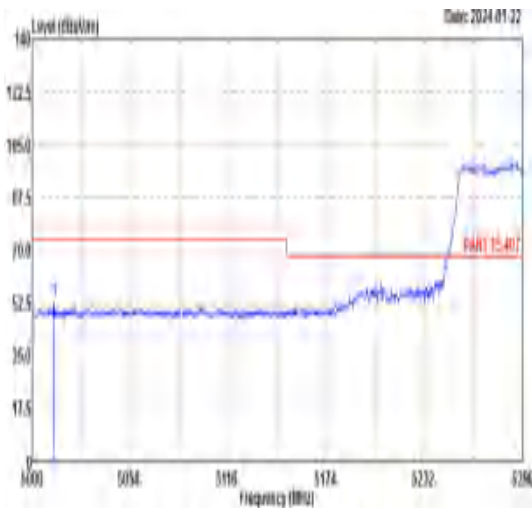
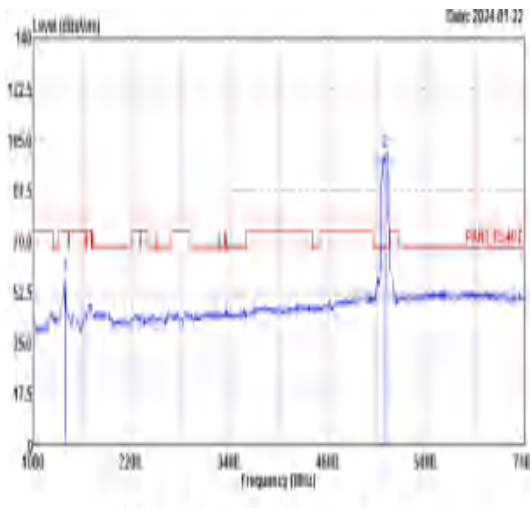
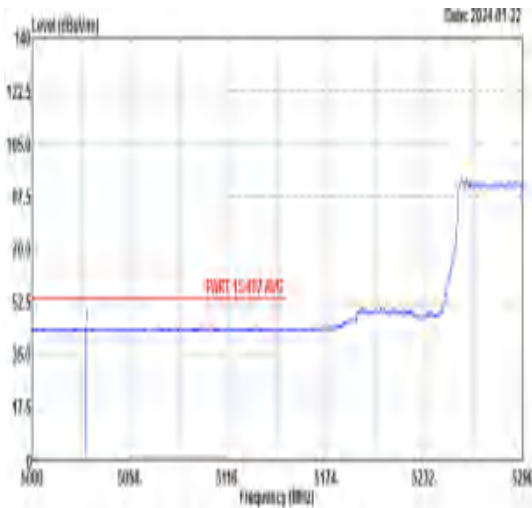
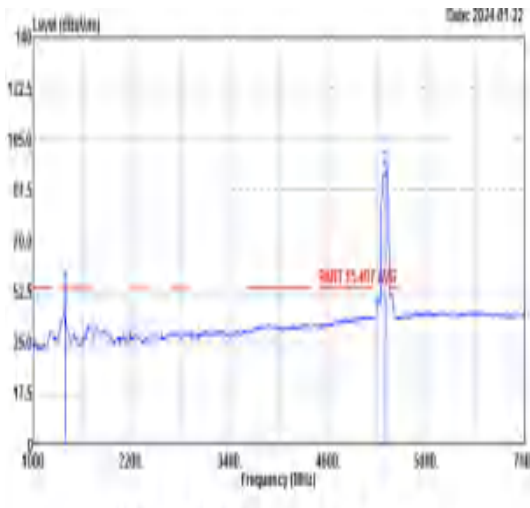


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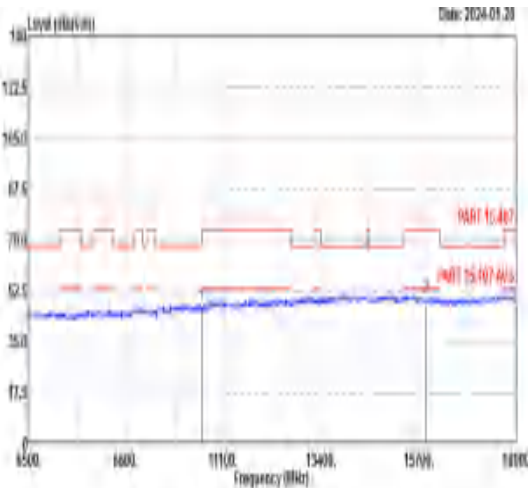
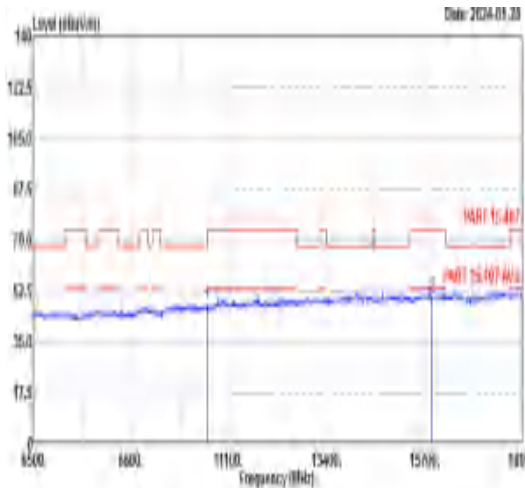


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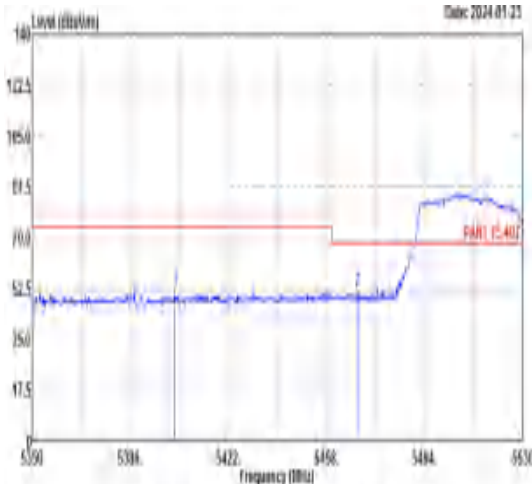
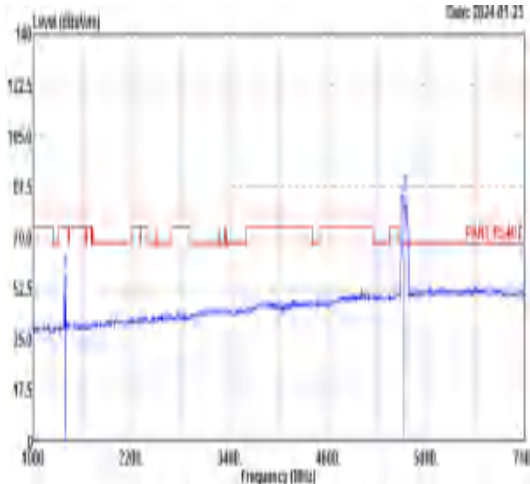
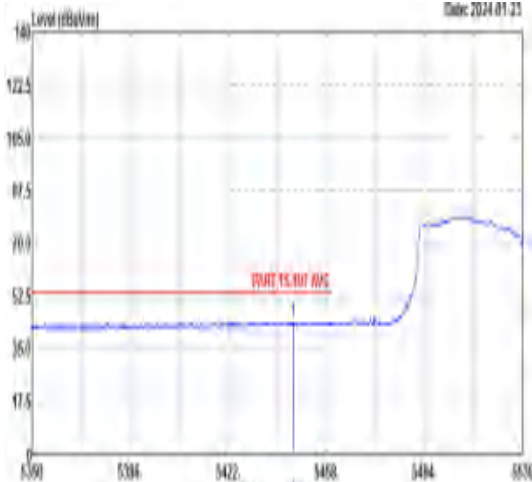
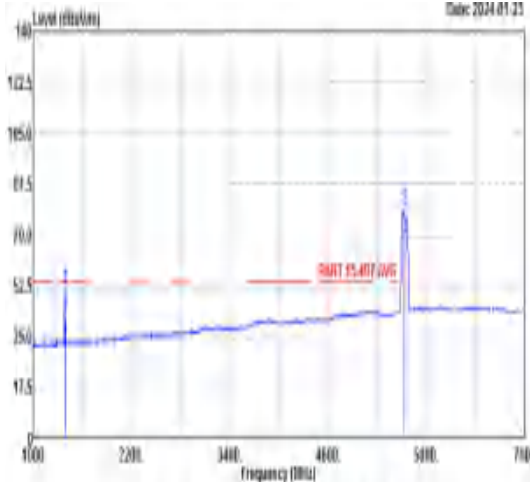


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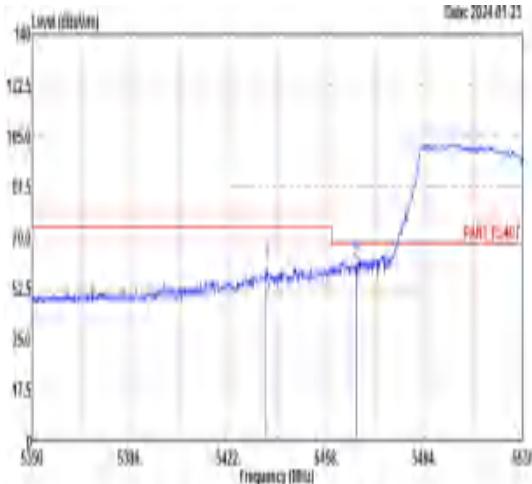
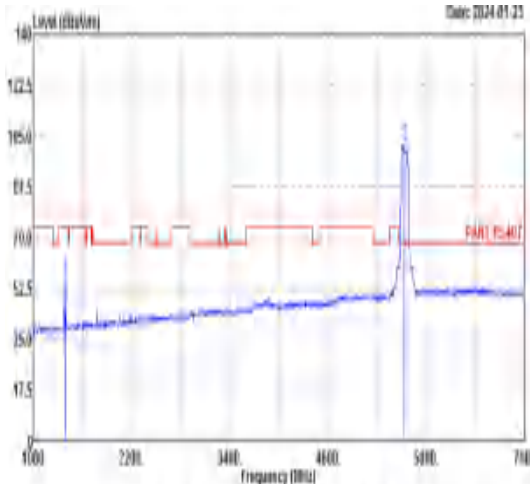
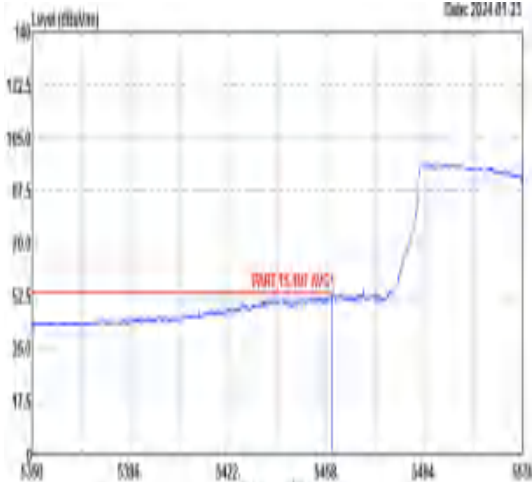
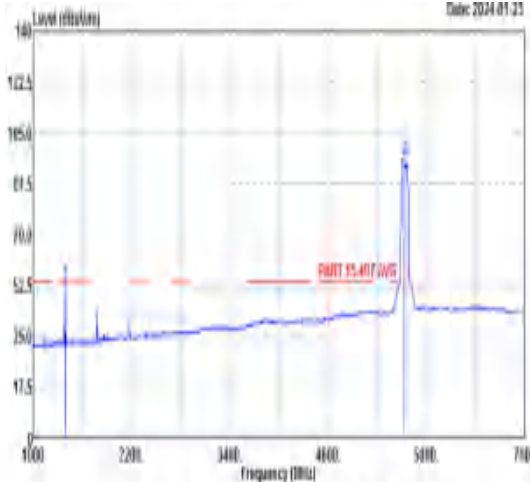


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Peak Avg	<table><tr><th></th><th>Limit</th><th>Unit</th><th>Obsd</th><th>Att</th><th>Cable</th><th>Preamp</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th></th><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th></th><th></th><th>MHz</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>10500.00</td><td>66.81</td><td>66.10</td><td>-21.00</td><td>59.34</td><td>48.83</td><td>12.22</td><td>63.58</td><td>---</td></tr><tr><td>2</td><td>15070.00</td><td>50.00</td><td>74.00</td><td>-21.00</td><td>58.20</td><td>41.00</td><td>14.71</td><td>64.20</td><td>---</td></tr></table>		Limit	Unit	Obsd	Att	Cable	Preamp	RF	TP	Remark		Freq	Level	Line	Margin	Level	Factor	Loss	Factor				MHz	dBm	dB	dBm	dB	dB	dB	dB	1	10500.00	66.81	66.10	-21.00	59.34	48.83	12.22	63.58	---	2	15070.00	50.00	74.00	-21.00	58.20	41.00	14.71	64.20	---	<table><tr><th></th><th>Limit</th><th>Unit</th><th>Obsd</th><th>Att</th><th>Cable</th><th>Preamp</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th></th><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th></th><th></th><th>MHz</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>10500.00</td><td>67.69</td><td>66.10</td><td>-20.61</td><td>60.22</td><td>48.83</td><td>12.22</td><td>63.58</td><td>---</td></tr><tr><td>2</td><td>15070.00</td><td>50.74</td><td>74.00</td><td>-21.26</td><td>59.11</td><td>41.00</td><td>14.71</td><td>64.20</td><td>---</td></tr></table>		Limit	Unit	Obsd	Att	Cable	Preamp	RF	TP	Remark		Freq	Level	Line	Margin	Level	Factor	Loss	Factor				MHz	dBm	dB	dBm	dB	dB	dB	dB	1	10500.00	67.69	66.10	-20.61	60.22	48.83	12.22	63.58	---	2	15070.00	50.74	74.00	-21.26	59.11	41.00	14.71	64.20	---
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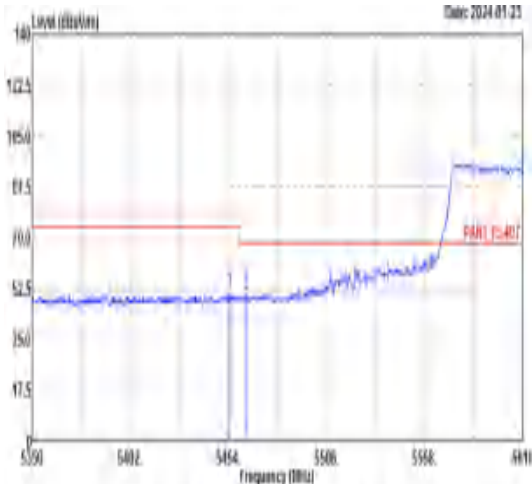
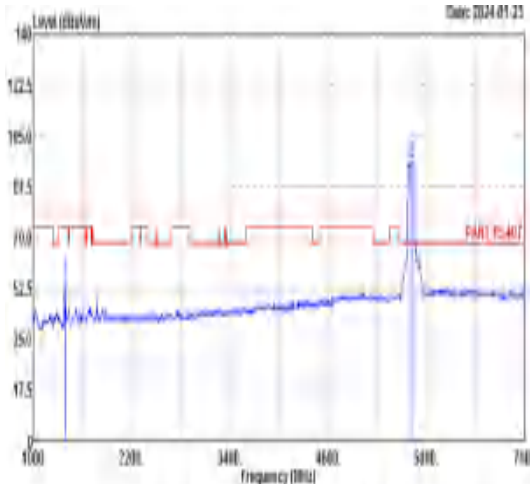
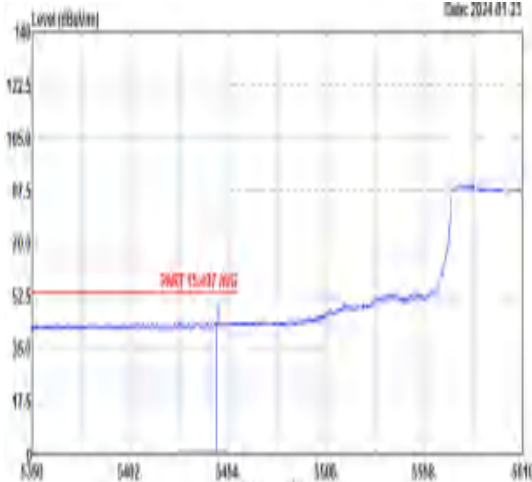
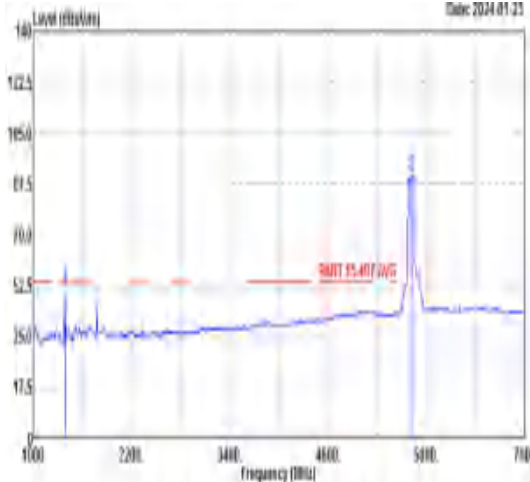


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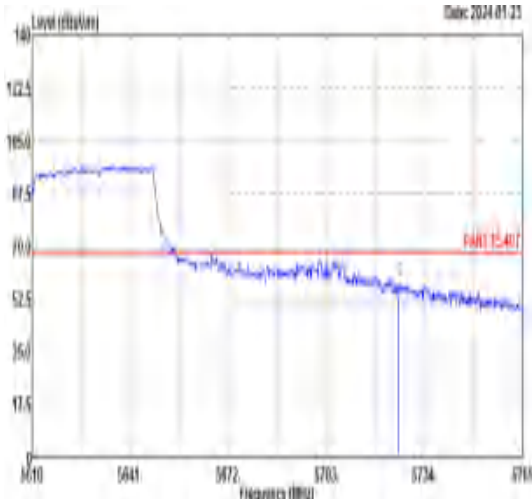
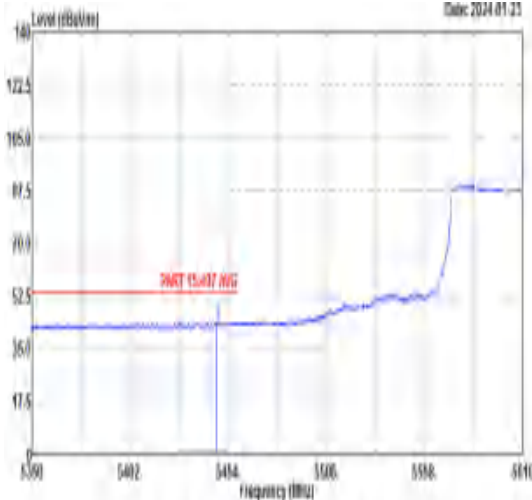


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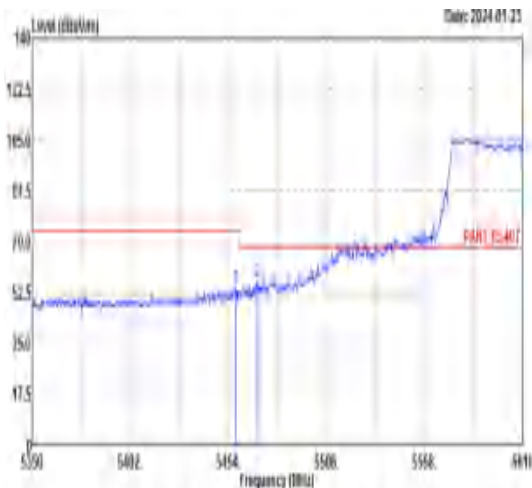
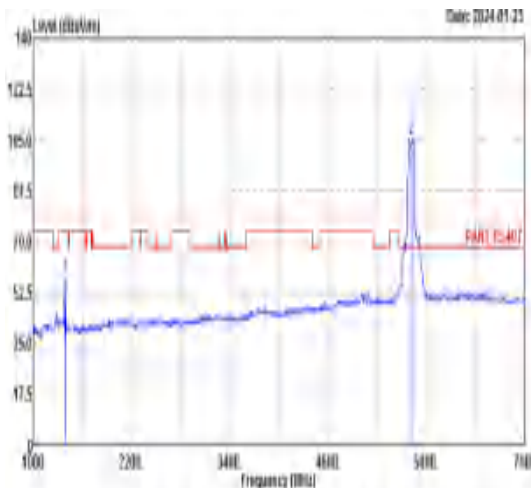
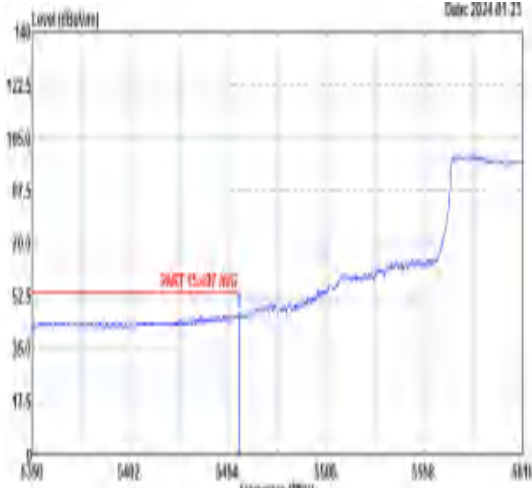
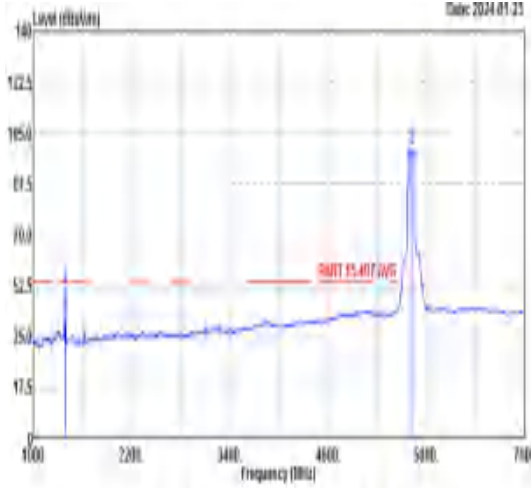


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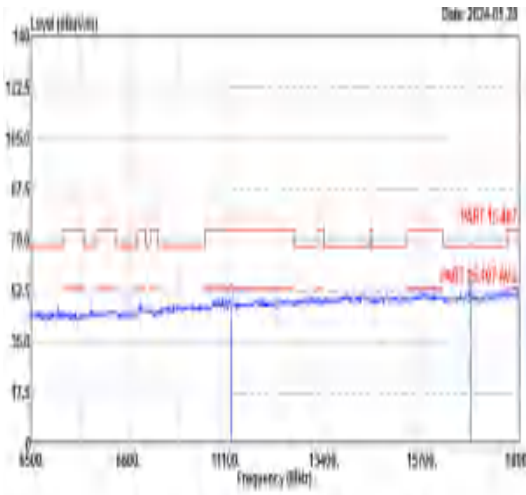
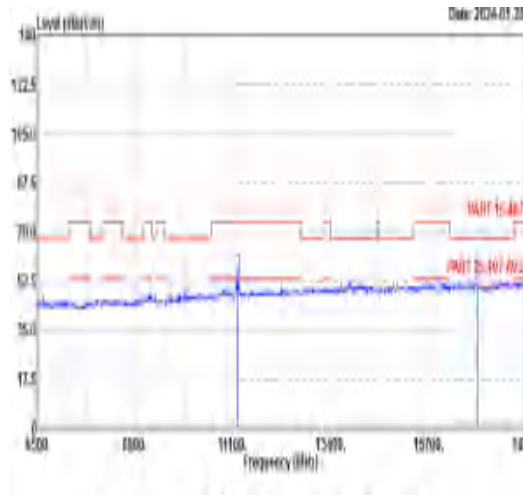


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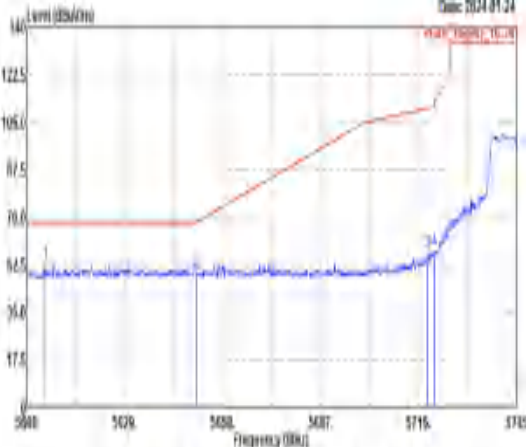
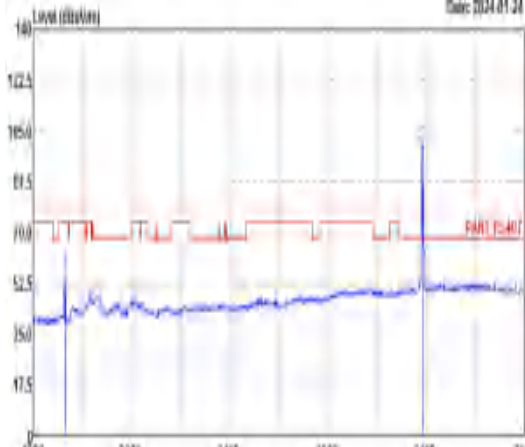
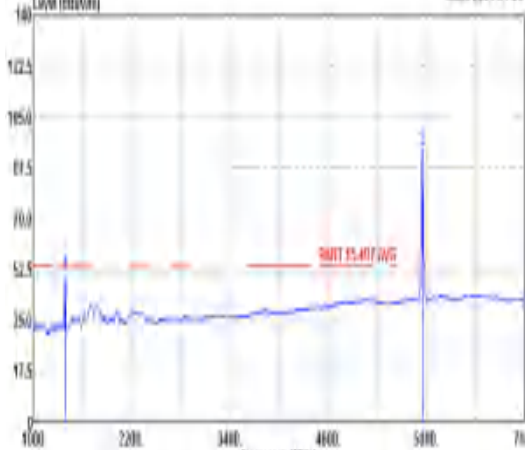


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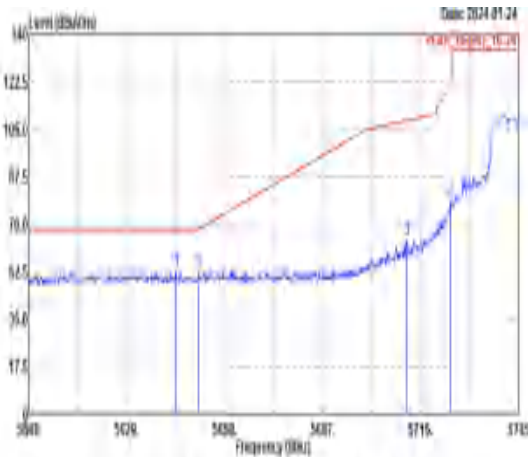
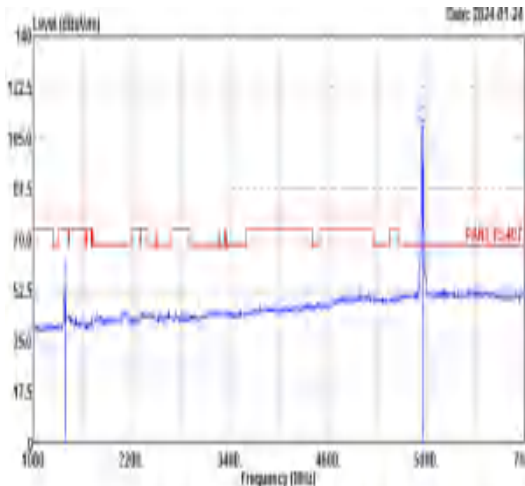
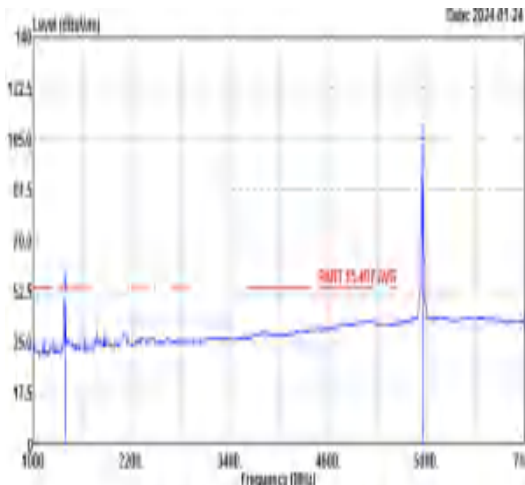


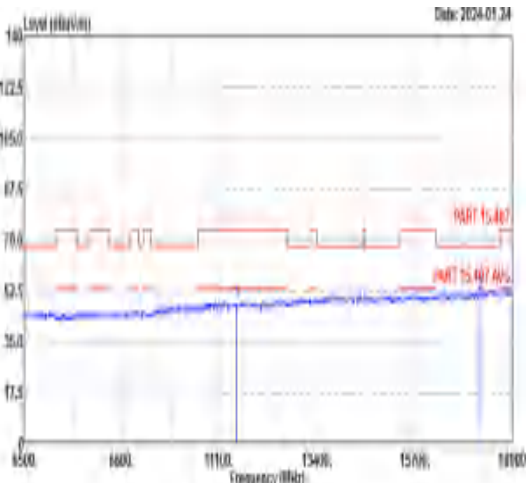
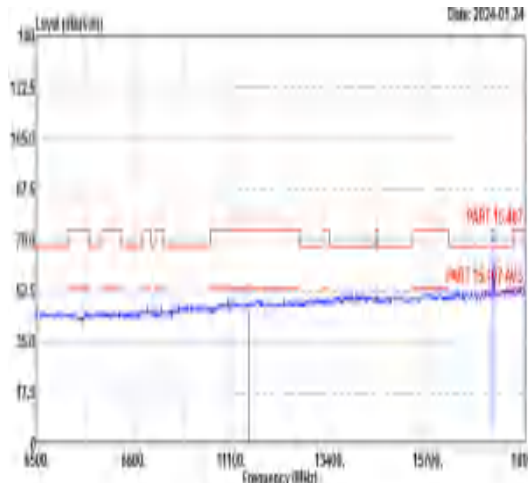
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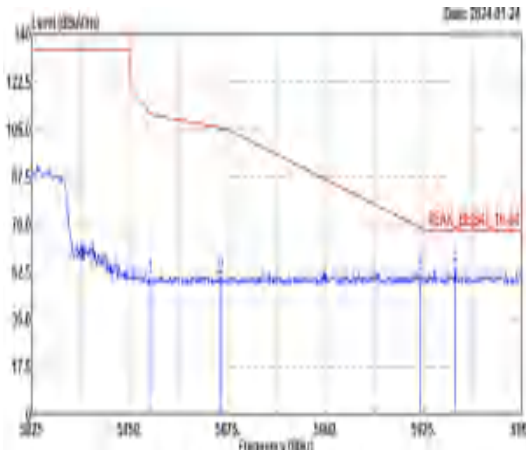
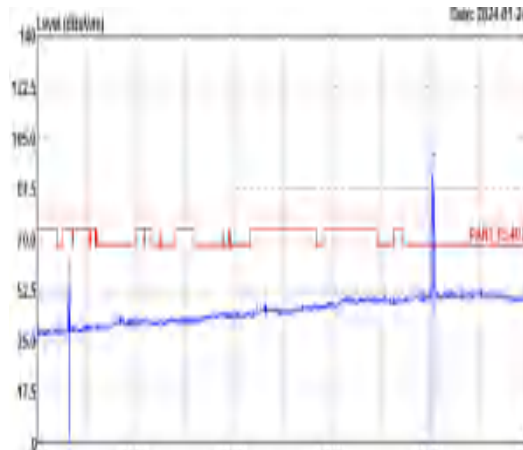
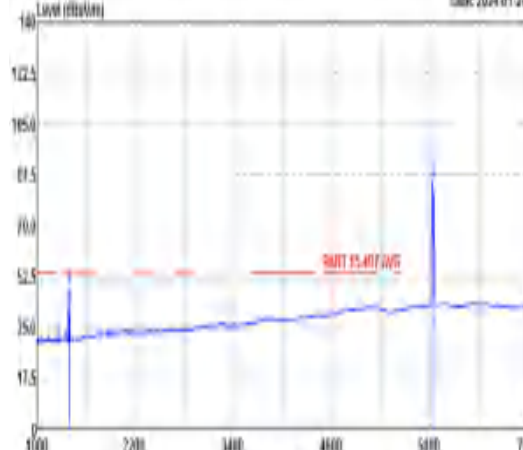
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Freq (MHz)	Level (dBm)	Level (dBm)	Factor	Loss Factor																																																																																								
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2 5745.00	100.15	105.55	16.24	18.05	12.30	201	500 PEAR																																																																																					
Avg	Blank	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq (MHz)</th><th>Level (dBm)</th><th>Level (dBm)</th><th>Factor</th><th>Loss Factor</th><th></th><th></th><th></th><th></th></tr><tr><td>1 5700.00</td><td>55.00</td><td>59.70</td><td>12.68</td><td>16.42</td><td>4.17</td><td>16.91</td><td>201</td><td>500 AVERAGE</td></tr><tr><td>2 5745.00</td><td>100.15</td><td>105.74</td><td>16.24</td><td>18.05</td><td>12.30</td><td>201</td><td>500 AVERAGE</td><td></td></tr></table>		Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq (MHz)	Level (dBm)	Level (dBm)	Factor	Loss Factor					1 5700.00	55.00	59.70	12.68	16.42	4.17	16.91	201	500 AVERAGE	2 5745.00	100.15	105.74	16.24	18.05	12.30	201	500 AVERAGE																																																							
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Mode	77	
	Harmonic	
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ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak		
Avg		

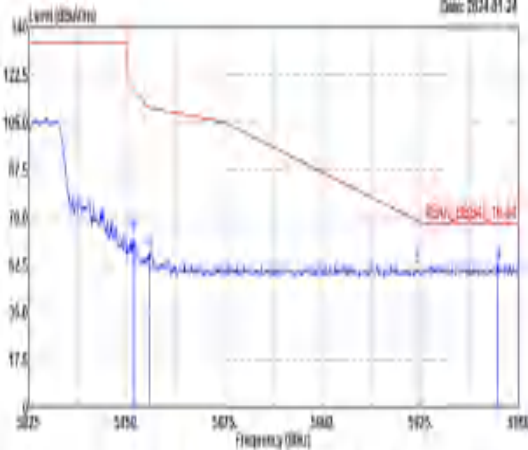
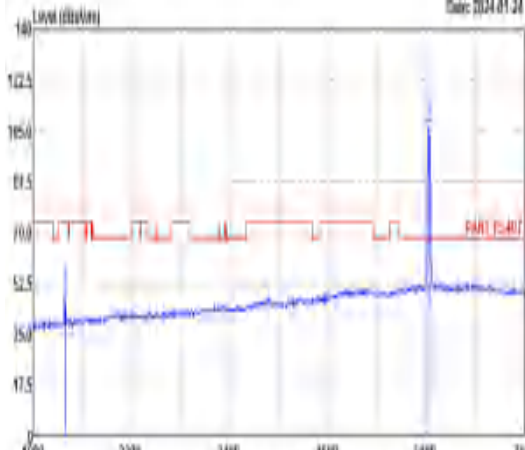
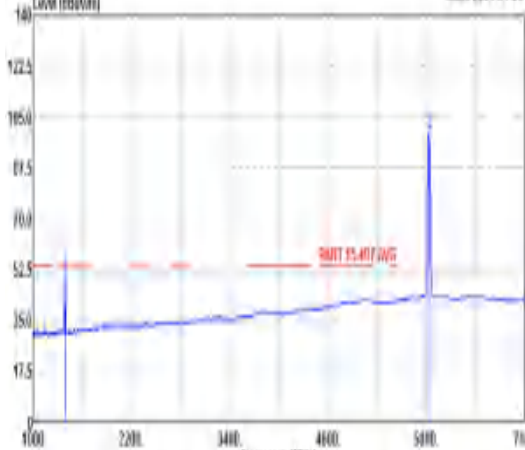


Mode	78																																																																																													
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ANT	CDD 0+1																																																																																													
Pol.	Horizontal	Vertical																																																																																												
Peak Avg	Graph: Horizontal Peak Avg <table><tr><th>Unit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APOL</th><th>TPOL</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><td>MHz</td><td>dBm</td><td>dBm</td><td>dB</td><td>dBm</td><td>dB</td><td>dB</td><td>dB</td></tr><tr><td>1</td><td>11570.00</td><td>84.35</td><td>24.00</td><td>-25.65</td><td>59.64</td><td>19.21</td><td>12.91</td><td>63.45</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>12715.00</td><td>71.00</td><td>18.10</td><td>-16.42</td><td>59.64</td><td>41.99</td><td>15.81</td><td>65.16</td><td>---</td><td>Peak</td></tr></table>	Unit	Band	Ant	Cable	Preamp	APOL	TPOL	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBm	dBm	dB	dBm	dB	dB	dB	1	11570.00	84.35	24.00	-25.65	59.64	19.21	12.91	63.45	---	Peak	2	12715.00	71.00	18.10	-16.42	59.64	41.99	15.81	65.16	---	Peak	Graph: Vertical Peak Avg <table><tr><th>Unit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APOL</th><th>TPOL</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><td>MHz</td><td>dBm</td><td>dBm</td><td>dB</td><td>dBm</td><td>dB</td><td>dB</td><td>dB</td></tr><tr><td>1</td><td>11570.00</td><td>84.10</td><td>24.00</td><td>-25.90</td><td>59.69</td><td>19.21</td><td>12.91</td><td>63.45</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>12715.00</td><td>66.12</td><td>18.10</td><td>-11.00</td><td>71.00</td><td>41.99</td><td>15.81</td><td>65.16</td><td>146</td><td>262 Peak</td></tr></table>	Unit	Band	Ant	Cable	Preamp	APOL	TPOL	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	MHz	dBm	dBm	dB	dBm	dB	dB	dB	1	11570.00	84.10	24.00	-25.90	59.69	19.21	12.91	63.45	---	Peak	2	12715.00	66.12	18.10	-11.00	71.00	41.99	15.81	65.16	146	262 Peak
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ANT	CDD 0+1																																																																																	
Pol.	Horizontal	Fundamental																																																																																
Peak	 Horizontal spectrum plot showing Level (dBm/Hz) vs Frequency (MHz) from 5025 to 5850 MHz. The plot shows a red line for the limit and a blue line for the measured signal. The signal is below the limit across the entire frequency range. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq (MHz)</th><th>Level (dBm/Hz)</th><th>Loss (dB)</th><th>Factor</th><th>Loss Factor</th><th>dB</th><th>dB</th><th></th></tr><tr><td>5025.00</td><td>50.04</td><td>10.00</td><td>00.76</td><td>16.00</td><td>16.40</td><td>07.29</td><td>52.74</td></tr><tr><td>5075.13</td><td>50.30</td><td>10.57</td><td>-34.80</td><td>16.90</td><td>16.42</td><td>10.31</td><td>52.73</td></tr><tr><td>5025.00</td><td>50.34</td><td>00.30</td><td>-17.30</td><td>17.68</td><td>06.00</td><td>10.44</td><td>52.72</td></tr><tr><td>5075.13</td><td>50.06</td><td>10.30</td><td>-14.30</td><td>16.70</td><td>16.30</td><td>10.40</td><td>52.77</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq (MHz)	Level (dBm/Hz)	Loss (dB)	Factor	Loss Factor	dB	dB		5025.00	50.04	10.00	00.76	16.00	16.40	07.29	52.74	5075.13	50.30	10.57	-34.80	16.90	16.42	10.31	52.73	5025.00	50.34	00.30	-17.30	17.68	06.00	10.44	52.72	5075.13	50.06	10.30	-14.30	16.70	16.30	10.40	52.77	 Fundamental spectrum plot showing Level (dBm/Hz) vs Frequency (MHz) from 5000 to 7000 MHz. The plot shows a red line for the limit and a blue line for the measured signal. The signal is below the limit across the entire frequency range. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq (MHz)</th><th>Level (dBm/Hz)</th><th>Loss (dB)</th><th>Factor</th><th>Loss Factor</th><th>dB</th><th>dB</th><th></th></tr><tr><td>5025.00</td><td>54.00</td><td>24.00</td><td>-10.00</td><td>16.28</td><td>16.42</td><td>4.13</td><td>56.93</td></tr><tr><td>5025.00</td><td>53.40</td><td>24.00</td><td>10.00</td><td>16.28</td><td>16.42</td><td>12.11</td><td>56.93</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq (MHz)	Level (dBm/Hz)	Loss (dB)	Factor	Loss Factor	dB	dB		5025.00	54.00	24.00	-10.00	16.28	16.42	4.13	56.93	5025.00	53.40	24.00	10.00	16.28	16.42	12.11	56.93
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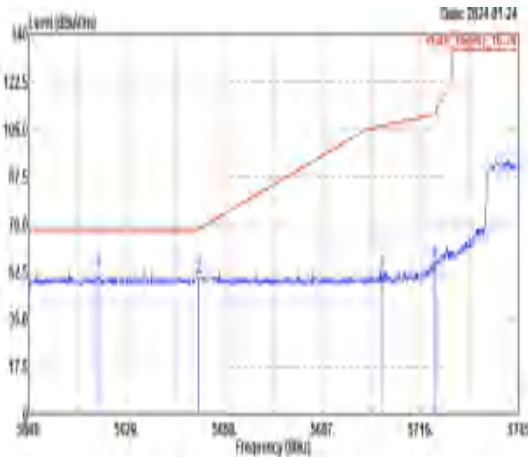
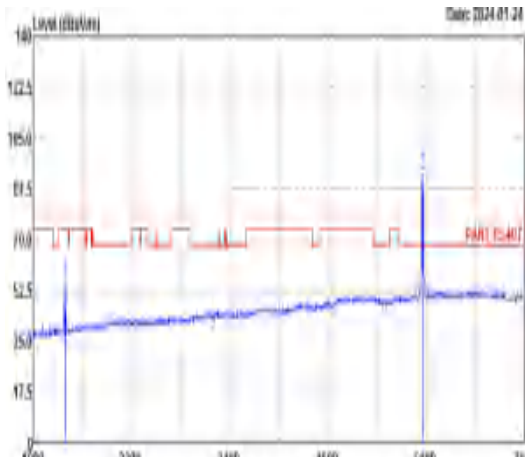
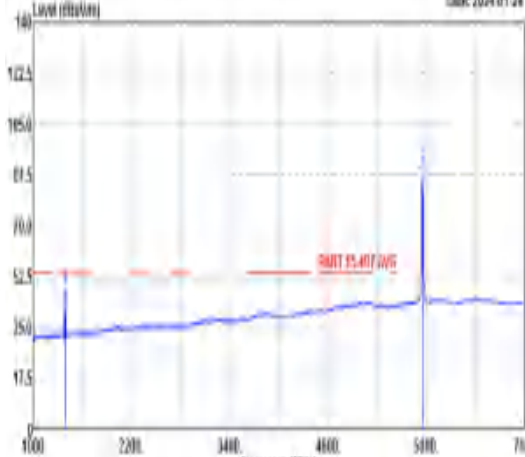


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ANT	CDD 0+1																																																																																																																															
Pol.	Vertical	Fundamental																																																																																																																														
Peak	 <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th><th></th></tr><tr><th>Unit</th><th>dBm</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th></tr></thead><tbody><tr><td>1</td><td>5824.75</td><td>61.78</td><td>119.21</td><td>-35.54</td><td>48.78</td><td>16.39</td><td>17.79</td><td>52.74</td><td>260</td><td>60</td><td>PEAK</td></tr><tr><td>2</td><td>5450.88</td><td>58.13</td><td>119.51</td><td>-32.40</td><td>44.16</td><td>16.40</td><td>18.25</td><td>52.74</td><td>260</td><td>60</td><td>PEAK</td></tr><tr><td>3</td><td>5023.75</td><td>54.52</td><td>119.21</td><td>-32.30</td><td>37.30</td><td>16.40</td><td>18.44</td><td>52.72</td><td>260</td><td>60</td><td>PEAK</td></tr><tr><td>4</td><td>5044.50</td><td>52.31</td><td>118.30</td><td>-34.97</td><td>36.11</td><td>16.52</td><td>18.40</td><td>52.70</td><td>260</td><td>60</td><td>PEAK</td></tr></tbody></table>		Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss Factor			Unit	dBm	dBm	dB	dBm	dB	dB	dB	dB	1	5824.75	61.78	119.21	-35.54	48.78	16.39	17.79	52.74	260	60	PEAK	2	5450.88	58.13	119.51	-32.40	44.16	16.40	18.25	52.74	260	60	PEAK	3	5023.75	54.52	119.21	-32.30	37.30	16.40	18.44	52.72	260	60	PEAK	4	5044.50	52.31	118.30	-34.97	36.11	16.52	18.40	52.70	260	60	PEAK	 <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th><th></th></tr><tr><th>Unit</th><th>dBm</th><th>dBm</th><th>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th></tr></thead><tbody><tr><td>1</td><td>5825.00</td><td>52.00</td><td>24.00</td><td>-21.52</td><td>53.86</td><td>29.42</td><td>4.13</td><td>16.93</td><td>260</td><td>60</td><td>PEAK</td></tr><tr><td>2</td><td>5025.00</td><td>100.00</td><td>100.00</td><td>100.00</td><td>92.80</td><td>16.51</td><td>10.21</td><td>12.71</td><td>260</td><td>60</td><td>PEAK</td></tr></tbody></table>		Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss Factor			Unit	dBm	dBm	dB	dBm	dB	dB	dB	dB	1	5825.00	52.00	24.00	-21.52	53.86	29.42	4.13	16.93	260	60	PEAK	2	5025.00	100.00	100.00	100.00	92.80	16.51	10.21	12.71	260	60	PEAK
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Peak Avg	Level (dBm/Hz) 100 97.5 95.0 92.5 90.0 87.5 85.0 82.5 80.0 77.5 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000 Frequency (MHz) Date: 2024-01-24 <table><tr><th>Unit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APOL</th><th>TPOL</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th></th></tr><tr><td>1</td><td>11650.00</td><td>87.39</td><td>24.00</td><td>-26.61</td><td>58.99</td><td>19.26</td><td>12.99 63.45 --- Peak</td></tr><tr><td>2</td><td>17475.00</td><td>82.10</td><td>88.10</td><td>-15.02</td><td>50.79</td><td>42.12</td><td>15.00 65.43 --- Peak</td></tr></table>	Unit	Band	Ant	Cable	Preamp	APOL	TPOL	Remark	Freq	Level	Line	Margin	Level	Factor	Loss Factor		MHz	dBm/Hz	dBm/Hz	dB	dBm/Hz	dBm/Hz	dB		1	11650.00	87.39	24.00	-26.61	58.99	19.26	12.99 63.45 --- Peak	2	17475.00	82.10	88.10	-15.02	50.79	42.12	15.00 65.43 --- Peak	Level (dBm/Hz) 100 97.5 95.0 92.5 90.0 87.5 85.0 82.5 80.0 77.5 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000 Frequency (MHz) Date: 2024-01-24 <table><tr><th>Unit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APOL</th><th>TPOL</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th></th></tr><tr><td>1</td><td>11650.00</td><td>84.27</td><td>24.00</td><td>-25.72</td><td>59.83</td><td>19.26</td><td>12.99 63.45 --- Peak</td></tr><tr><td>2</td><td>17475.00</td><td>67.10</td><td>88.10</td><td>-1.00</td><td>74.71</td><td>42.12</td><td>15.00 65.43 230 100 Peak</td></tr></table>	Unit	Band	Ant	Cable	Preamp	APOL	TPOL	Remark	Freq	Level	Line	Margin	Level	Factor	Loss Factor		MHz	dBm/Hz	dBm/Hz	dB	dBm/Hz	dBm/Hz	dB		1	11650.00	84.27	24.00	-25.72	59.83	19.26	12.99 63.45 --- Peak	2	17475.00	67.10	88.10	-1.00	74.71	42.12	15.00 65.43 230 100 Peak
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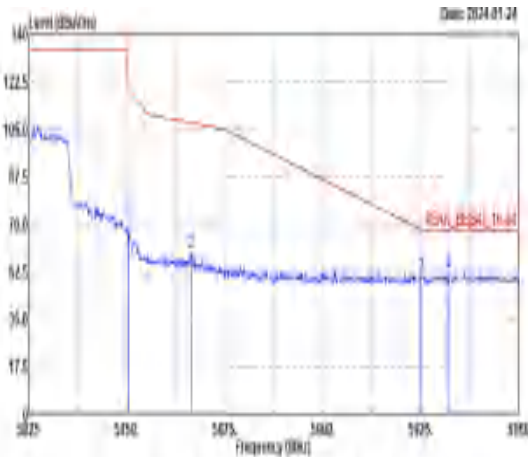
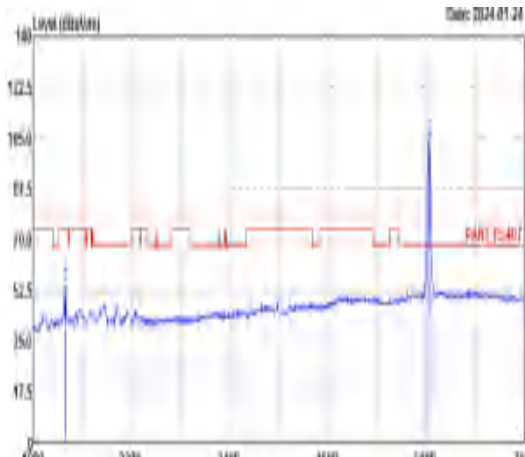
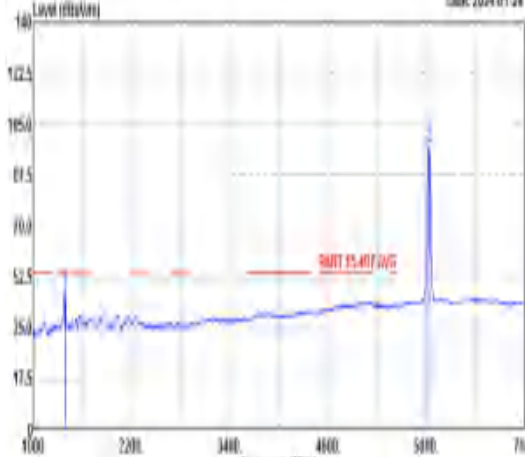


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Peak Avg	Level (dBm/Hz) 140 132.5 125.0 117.5 110.0 102.5 95.0 87.5 80.0 72.5 65.0 57.5 50.0 42.5 35.0 27.5 20.0 12.5 5.0 -2.5 -10.0 -17.5 -25.0 -32.5 -40.0 -47.5 -55.0 -62.5 -70.0 -77.5 -85.0 -92.5 -100.0 -107.5 -115.0 -122.5 -130.0 -137.5 -145.0 -152.5 -160.0 -167.5 -175.0 -182.5 -190.0 -197.5 -205.0 -212.5 -220.0 -227.5 -235.0 -242.5 -250.0 -257.5 -265.0 -272.5 -280.0 -287.5 -295.0 -302.5 -310.0 -317.5 -325.0 -332.5 -340.0 -347.5 -355.0 -362.5 -370.0 -377.5 -385.0 -392.5 -400.0 -407.5 -415.0 -422.5 -430.0 -437.5 -445.0 -452.5 -460.0 -467.5 -475.0 -482.5 -490.0 -497.5 -505.0 -512.5 -520.0 -527.5 -535.0 -542.5 -550.0 -557.5 -565.0 -572.5 -580.0 -587.5 -595.0 -602.5 -610.0 -617.5 -625.0 -632.5 -640.0 -647.5 -655.0 -662.5 -670.0 -677.5 -685.0 -692.5 -700.0 -707.5 -715.0 -722.5 -730.0 -737.5 -745.0 -752.5 -760.0 -767.5 -775.0 -782.5 -790.0 -797.5 -805.0 -812.5 -820.0 -827.5 -835.0 -842.5 -850.0 -857.5 -865.0 -872.5 -880.0 -887.5 -895.0 -902.5 -910.0 -917.5 -925.0 -932.5 -940.0 -947.5 -955.0 -962.5 -970.0 -977.5 -985.0 -992.5 -1000.0 Frequency (MHz) 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 Limit Obsd Ant Cable Presamp RF TP Remark <table><tr><th>Line</th><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dBm</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th></th></tr><tr><td>1</td><td>11490.00</td><td>87.81</td><td>24.00</td><td>-26.19</td><td>59.18</td><td>19.20</td><td>12.87</td><td>63.44</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>17235.00</td><td>52.18</td><td>88.10</td><td>-15.86</td><td>60.06</td><td>41.86</td><td>15.72</td><td>65.30</td><td>---</td><td>---</td><td>Peak</td></tr></table> <td> Level (dBm/Hz) 140 132.5 125.0 117.5 110.0 102.5 95.0 87.5 80.0 72.5 65.0 57.5 50.0 42.5 35.0 27.5 20.0 12.5 5.0 -2.5 -10.0 -17.5 -25.0 -32.5 -40.0 -47.5 -55.0 -62.5 -70.0 -77.5 -85.0 -92.5 -100.0 -107.5 -115.0 -122.5 -130.0 -137.5 -145.0 -152.5 -160.0 -167.5 -175.0 -182.5 -190.0 -197.5 -205.0 -212.5 -220.0 -227.5 -235.0 -242.5 -250.0 -257.5 -265.0 -272.5 -280.0 -287.5 -295.0 -302.5 -310.0 -317.5 -325.0 -332.5 -340.0 -347.5 -355.0 -362.5 -370.0 -377.5 -385.0 -392.5 -400.0 -407.5 -415.0 -422.5 -430.0 -437.5 -445.0 -452.5 -460.0 -467.5 -475.0 -482.5 -490.0 -497.5 -505.0 -512.5 -520.0 -527.5 -535.0 -542.5 -550.0 -557.5 -565.0 -572.5 -580.0 -587.5 -595.0 -602.5 -610.0 -617.5 -625.0 -632.5 -640.0 -647.5 -655.0 -662.5 -670.0 -677.5 -685.0 -692.5 -700.0 -707.5 -715.0 -722.5 -730.0 -737.5 -745.0 -752.5 -760.0 -767.5 -775.0 -782.5 -790.0 -797.5 -805.0 -812.5 -820.0 -827.5 -835.0 -842.5 -850.0 -857.5 -865.0 -872.5 -880.0 -887.5 -895.0 -902.5 -910.0 -917.5 -925.0 -932.5 -940.0 -947.5 -955.0 -962.5 -970.0 -977.5 -985.0 -992.5 -1000.0 Frequency (MHz) 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 Limit Obsd Ant Cable Presamp RF TP Remark <table><tr><th>Line</th><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dBm</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th></th></tr><tr><td>1</td><td>11490.00</td><td>91.62</td><td>24.00</td><td>-24.38</td><td>60.79</td><td>19.20</td><td>12.87</td><td>63.44</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>17235.00</td><td>66.16</td><td>88.10</td><td>-2.14</td><td>71.88</td><td>41.86</td><td>15.72</td><td>65.30</td><td>201</td><td>210</td><td>Peak</td></tr></table> </td>	Line	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	RF	TP	Remark		MHz	dBm/Hz	dBm/Hz	dB	dBm	dBm	dB	dB	dB	dB		1	11490.00	87.81	24.00	-26.19	59.18	19.20	12.87	63.44	---	---	Peak	2	17235.00	52.18	88.10	-15.86	60.06	41.86	15.72	65.30	---	---	Peak	Level (dBm/Hz) 140 132.5 125.0 117.5 110.0 102.5 95.0 87.5 80.0 72.5 65.0 57.5 50.0 42.5 35.0 27.5 20.0 12.5 5.0 -2.5 -10.0 -17.5 -25.0 -32.5 -40.0 -47.5 -55.0 -62.5 -70.0 -77.5 -85.0 -92.5 -100.0 -107.5 -115.0 -122.5 -130.0 -137.5 -145.0 -152.5 -160.0 -167.5 -175.0 -182.5 -190.0 -197.5 -205.0 -212.5 -220.0 -227.5 -235.0 -242.5 -250.0 -257.5 -265.0 -272.5 -280.0 -287.5 -295.0 -302.5 -310.0 -317.5 -325.0 -332.5 -340.0 -347.5 -355.0 -362.5 -370.0 -377.5 -385.0 -392.5 -400.0 -407.5 -415.0 -422.5 -430.0 -437.5 -445.0 -452.5 -460.0 -467.5 -475.0 -482.5 -490.0 -497.5 -505.0 -512.5 -520.0 -527.5 -535.0 -542.5 -550.0 -557.5 -565.0 -572.5 -580.0 -587.5 -595.0 -602.5 -610.0 -617.5 -625.0 -632.5 -640.0 -647.5 -655.0 -662.5 -670.0 -677.5 -685.0 -692.5 -700.0 -707.5 -715.0 -722.5 -730.0 -737.5 -745.0 -752.5 -760.0 -767.5 -775.0 -782.5 -790.0 -797.5 -805.0 -812.5 -820.0 -827.5 -835.0 -842.5 -850.0 -857.5 -865.0 -872.5 -880.0 -887.5 -895.0 -902.5 -910.0 -917.5 -925.0 -932.5 -940.0 -947.5 -955.0 -962.5 -970.0 -977.5 -985.0 -992.5 -1000.0 Frequency (MHz) 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 Limit Obsd Ant Cable Presamp RF TP Remark 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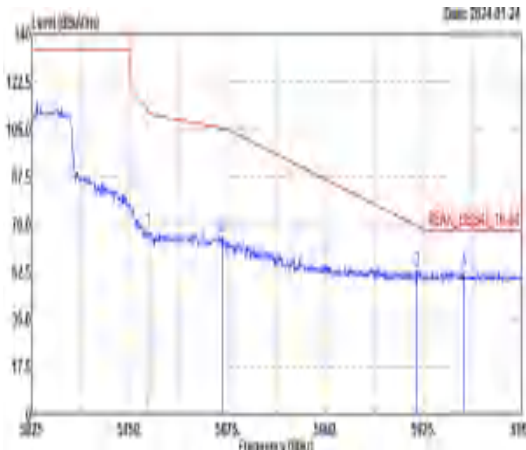
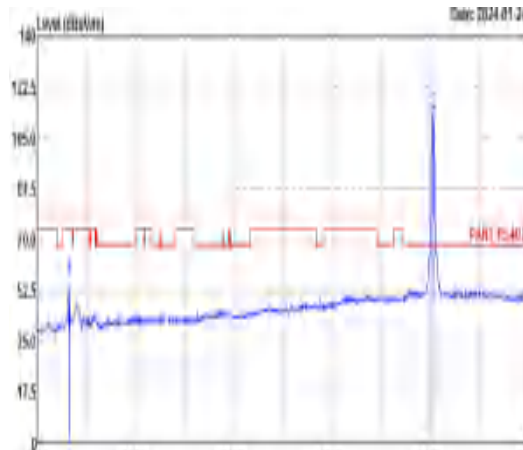
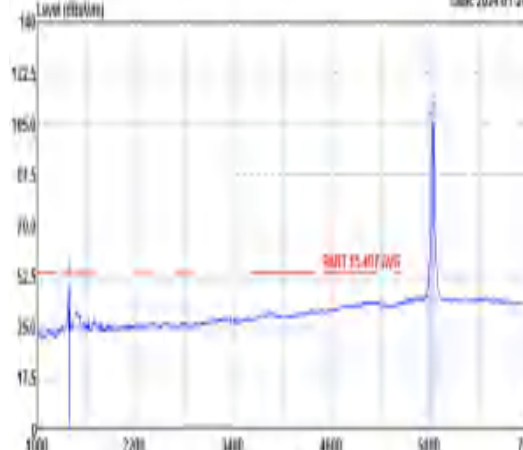


Mode	81	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full_5785MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	Level (dBm/Hz) 100 97.5 95.0 92.5 90.0 87.5 85.0 82.5 80.0 77.5 75.0 72.5 70.0 67.5 65.0 62.5 60.0 57.5 55.0 52.5 50.0 47.5 45.0 42.5 40.0 37.5 35.0 32.5 30.0 27.5 25.0 22.5 20.0 17.5 15.0 12.5 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0 -12.5 -15.0 -17.5 -20.0 -22.5 -25.0 -27.5 -30.0 -32.5 -35.0 -37.5 -40.0 -42.5 -45.0 -47.5 -50.0 -52.5 -55.0 -57.5 -60.0 -62.5 -65.0 -67.5 -70.0 -72.5 -75.0 -77.5 -80.0 -82.5 -85.0 -87.5 -90.0 -92.5 -95.0 -97.5 -100.0 Frequency (MHz) 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000 10500 11000 11500 12000 12500 13000 13500 14000 14500 15000 15500 16000 16500 17000 17500 18000 18500 19000 19500 20000 20500 21000 21500 22000 22500 23000 23500 24000 24500 25000 25500 26000 26500 27000 27500 28000 28500 29000 29500 30000 30500 31000 31500 32000 32500 33000 33500 34000 34500 35000 35500 36000 36500 37000 37500 38000 38500 39000 39500 40000 40500 41000 41500 42000 42500 43000 43500 44000 44500 45000 45500 46000 46500 47000 47500 48000 48500 49000 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Pol.	Horizontal	Fundamental																																																																																																																														
Peak	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th>Unit</th><th>dBm</th><th>m</th><th>dBm</th><th>m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5850.00</td><td>64.84</td><td>123.86</td><td>-52.10</td><td>54.05</td><td>16.39</td><td>07.29</td><td>52.74</td><td>300</td><td>215</td><td>PIK</td></tr><tr><td>2</td><td>5846.50</td><td>59.45</td><td>107.50</td><td>-48.17</td><td>45.67</td><td>16.42</td><td>10.32</td><td>52.75</td><td>300</td><td>215</td><td>PIK</td></tr><tr><td>3</td><td>5825.00</td><td>54.29</td><td>69.30</td><td>-17.01</td><td>57.13</td><td>16.40</td><td>10.44</td><td>52.72</td><td>300</td><td>215</td><td>PIK</td></tr><tr><td>4</td><td>5811.25</td><td>52.24</td><td>68.30</td><td>-16.06</td><td>56.26</td><td>16.40</td><td>10.41</td><td>52.77</td><td>300</td><td>215</td><td>PIK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor		Unit	dBm	m	dBm	m	dB	dB	dB	dB	1	5850.00	64.84	123.86	-52.10	54.05	16.39	07.29	52.74	300	215	PIK	2	5846.50	59.45	107.50	-48.17	45.67	16.42	10.32	52.75	300	215	PIK	3	5825.00	54.29	69.30	-17.01	57.13	16.40	10.44	52.72	300	215	PIK	4	5811.25	52.24	68.30	-16.06	56.26	16.40	10.41	52.77	300	215	PIK	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th>Unit</th><th>dBm</th><th>m</th><th>dBm</th><th>m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5866.00</td><td>54.60</td><td>74.00</td><td>-19.40</td><td>55.98</td><td>29.42</td><td>4.17</td><td>54.93</td><td>300</td><td>215</td><td>PIK</td></tr><tr><td>2</td><td>5825.00</td><td>60.25</td><td>69.50</td><td>-9.25</td><td>60.50</td><td>16.35</td><td>10.21</td><td>52.73</td><td>300</td><td>215</td><td>PIK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor		Unit	dBm	m	dBm	m	dB	dB	dB	dB	1	5866.00	54.60	74.00	-19.40	55.98	29.42	4.17	54.93	300	215	PIK	2	5825.00	60.25	69.50	-9.25	60.50	16.35	10.21	52.73	300	215	PIK
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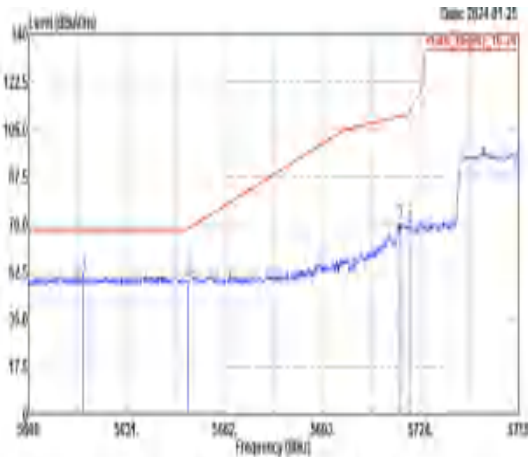
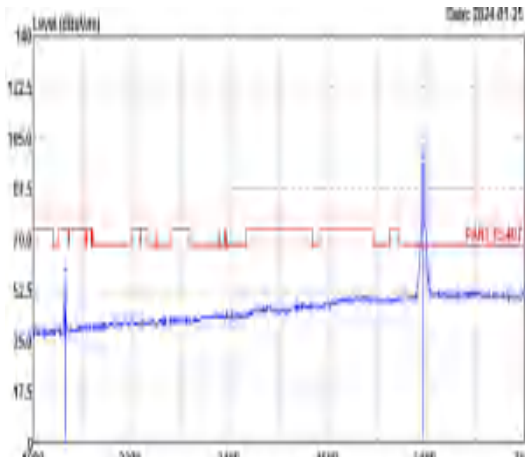
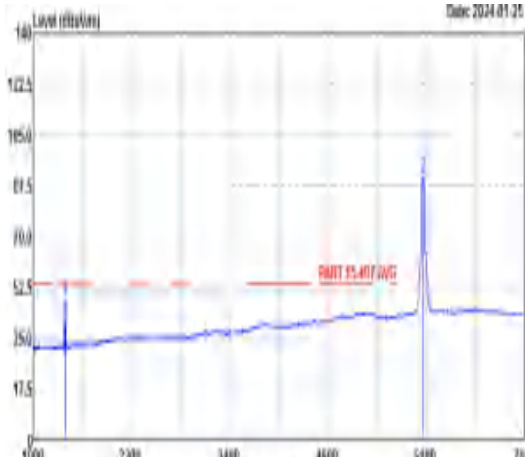


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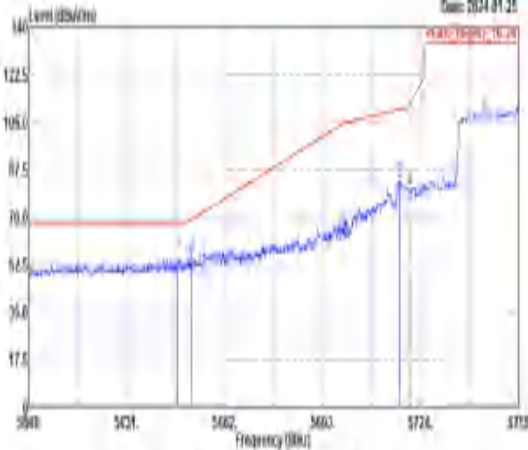
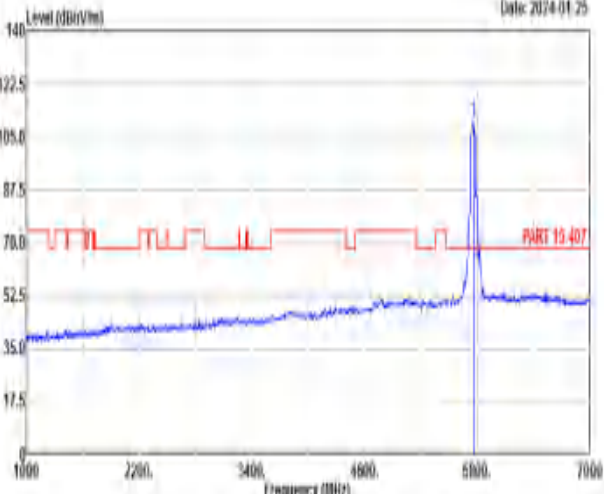
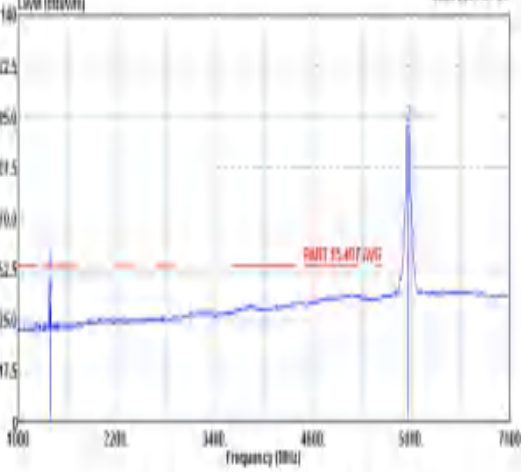


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Peak Avg	Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 8500 10000 11100 12400 13400 15400 18100 Frequency (MHz) Date: 2024-01-24 <table><tr><th></th><th>Limit</th><th>Band</th><th>Ant.</th><th>Cable</th><th>Preamp.</th><th>APOL</th><th>TPOL</th><th></th></tr><tr><th>Freq.</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB/m</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>11650.00</td><td>84.10</td><td>24.00</td><td>-25.00</td><td>59.00</td><td>19.26</td><td>12.99</td><td>63.45 --- Peak</td></tr><tr><td>2</td><td>17475.00</td><td>57.24</td><td>00.10</td><td>-11.00</td><td>64.05</td><td>42.12</td><td>15.00</td><td>65.40 --- Peak</td></tr></table>		Limit	Band	Ant.	Cable	Preamp.	APOL	TPOL		Freq.	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	dB	1	11650.00	84.10	24.00	-25.00	59.00	19.26	12.99	63.45 --- Peak	2	17475.00	57.24	00.10	-11.00	64.05	42.12	15.00	65.40 --- Peak	Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 8500 10000 11100 12400 13400 15400 18100 Frequency (MHz) Date: 2024-01-24 <table><tr><th></th><th>Limit</th><th>Band</th><th>Ant.</th><th>Cable</th><th>Preamp.</th><th>APOL</th><th>TPOL</th><th></th></tr><tr><th>Freq.</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB/m</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>11650.00</td><td>84.60</td><td>24.00</td><td>-24.00</td><td>60.00</td><td>19.26</td><td>12.99</td><td>63.45 --- Peak</td></tr><tr><td>2</td><td>17475.00</td><td>65.00</td><td>00.10</td><td>-1.21</td><td>72.50</td><td>42.12</td><td>15.00</td><td>65.40 164 265 Peak</td></tr></table>		Limit	Band	Ant.	Cable	Preamp.	APOL	TPOL		Freq.	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	dB	1	11650.00	84.60	24.00	-24.00	60.00	19.26	12.99	63.45 --- Peak	2	17475.00	65.00	00.10	-1.21	72.50	42.12	15.00	65.40 164 265 Peak
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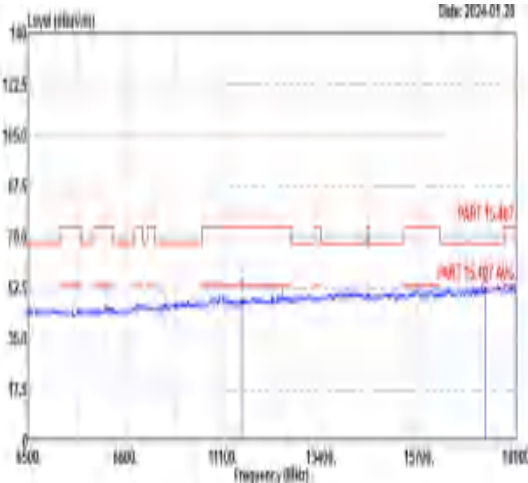
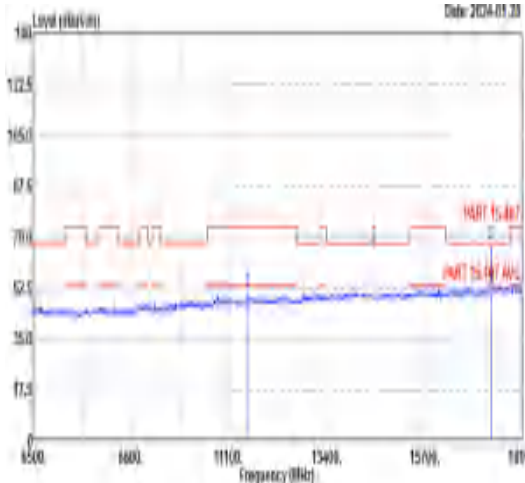


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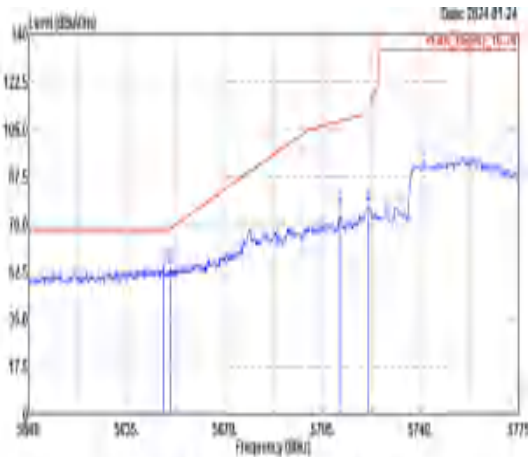
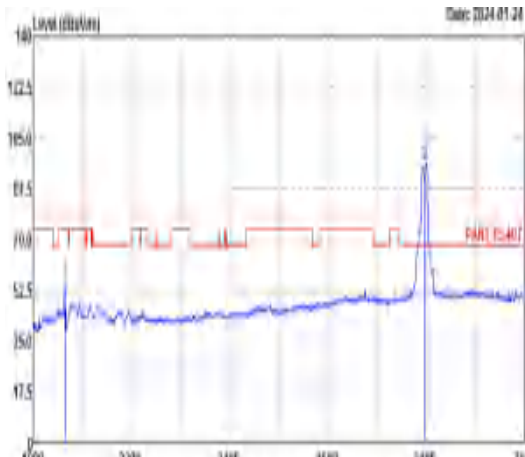
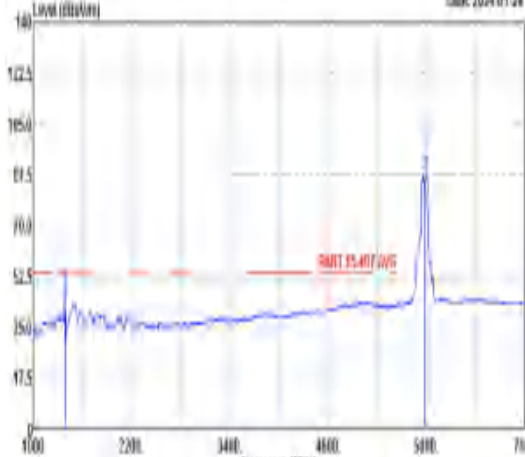


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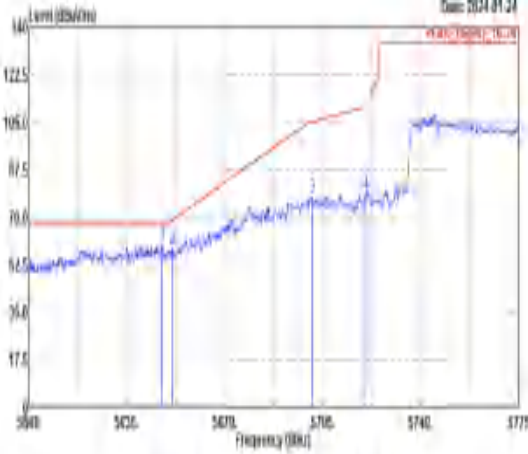
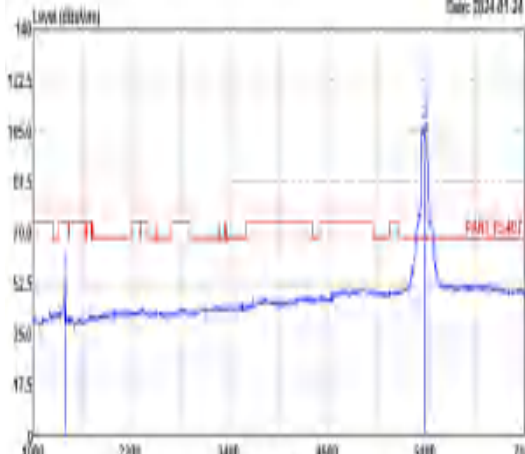
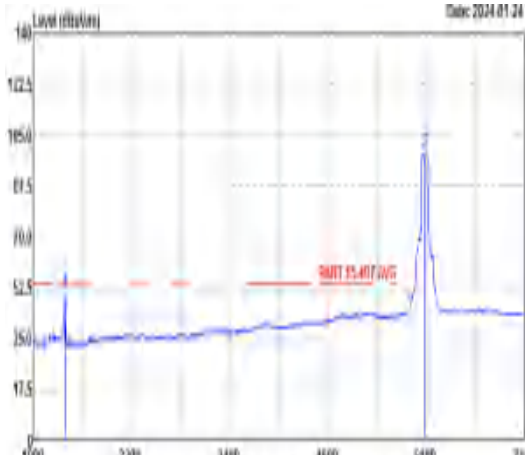


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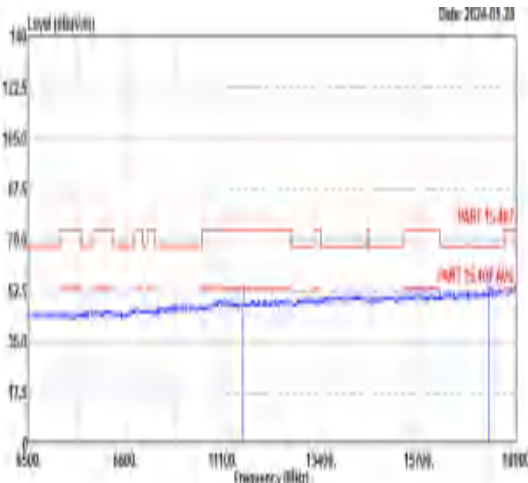
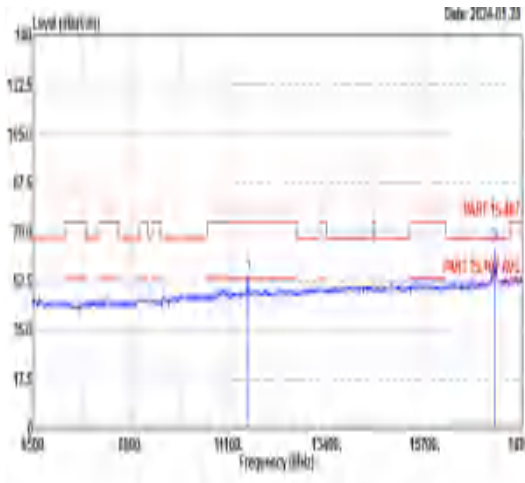


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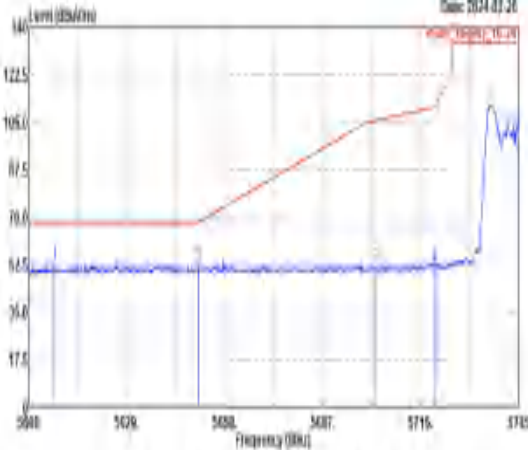
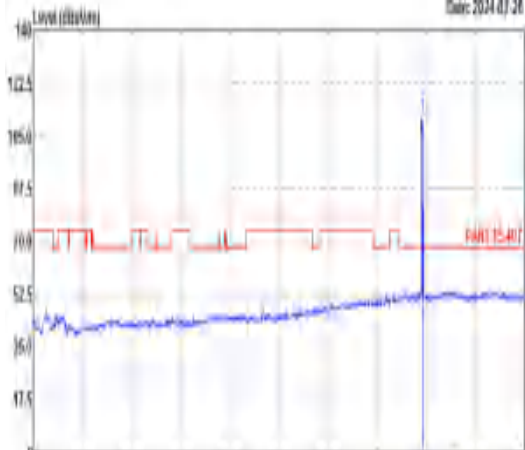
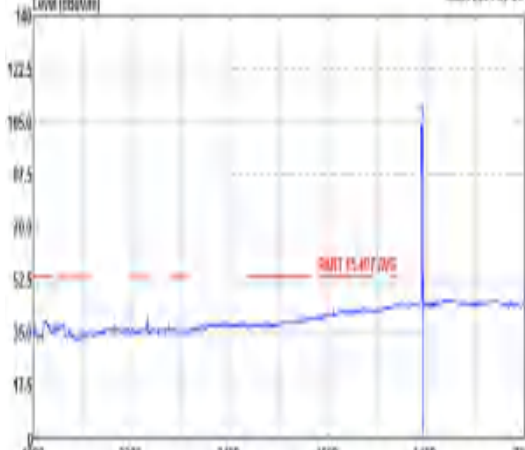


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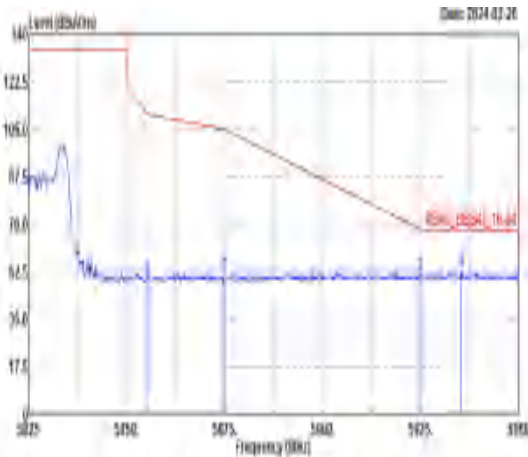
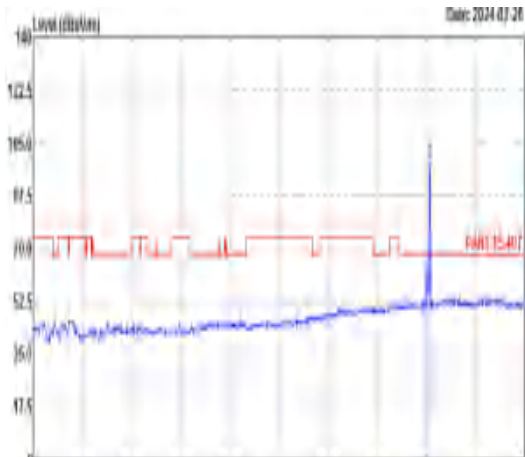
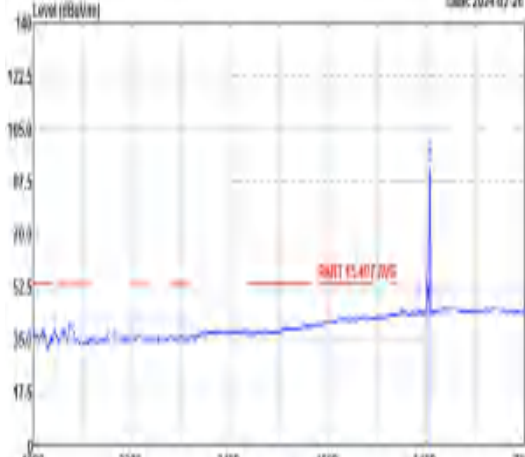


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	Limit	Margin	Read	Ant	Cable	Preamp	Att	Thru																																																																																								
Freq	Level	Line	(dB)	Level	Factor	Loss Factor	dB	dB	Remark																																																																																							
1	5621.75	50.54	80.30	15.76	37.32	16.07	5.00	52.05	300	250 PPAE																																																																																						
2	5650.05	50.75	68.32	-17.57	37.64	16.33	5.00	52.40	300	250 PPAE																																																																																						
3	5701.36	51.03	66.58	-20.45	38.46	16.58	6.97	52.40	300	250 PPAE																																																																																						
4	5720.06	51.80	110.34	-59.06	38.35	16.21	10.01	52.05	300	250 PPAE																																																																																						
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Freq	Level	Line	(dB)	Level	Factor	Loss Factor	dB	dB	Remark																																																																																							
1	5745.00	106.60	-----	91.10	16.24	10.05	12.70	300	210 PPAE																																																																																							
Avg	Blank	Graph showing Avg Fundamental Spectrum. The y-axis is Level (dBm) from 0 to 140. The x-axis is Frequency (MHz) from 5600 to 5750. A red line shows the limit, and a blue line shows the measured signal. A sharp peak is visible at 5745 MHz. <table><tr><th></th><th>Limit</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>(dB)</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th>dB</th><th>dB</th><th>Remark</th></tr><tr><td>1</td><td>5745.00</td><td>106.77</td><td>-----</td><td>87.10</td><td>16.23</td><td>10.04</td><td>12.01</td><td>300</td><td>210 AVERAGE</td></tr></table>		Limit	Margin	Read	Ant	Cable	Preamp	Att	Thru		Freq	Level	Line	(dB)	Level	Factor	Loss Factor	dB	dB	Remark	1	5745.00	106.77	-----	87.10	16.23	10.04	12.01	300	210 AVERAGE																																																																
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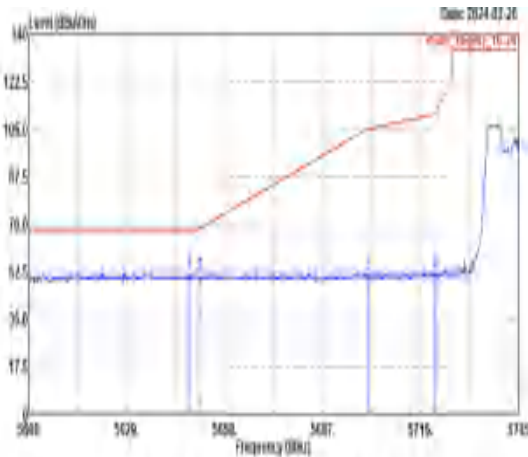
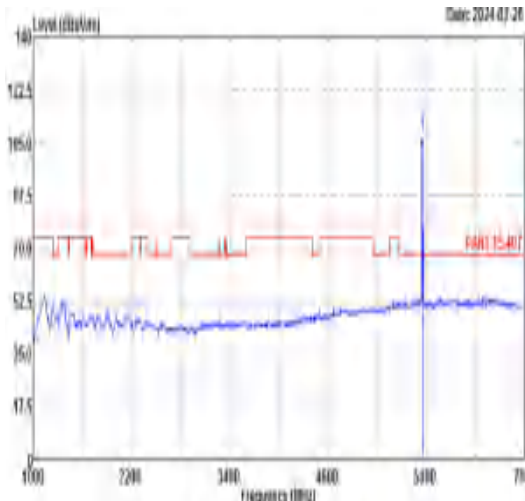
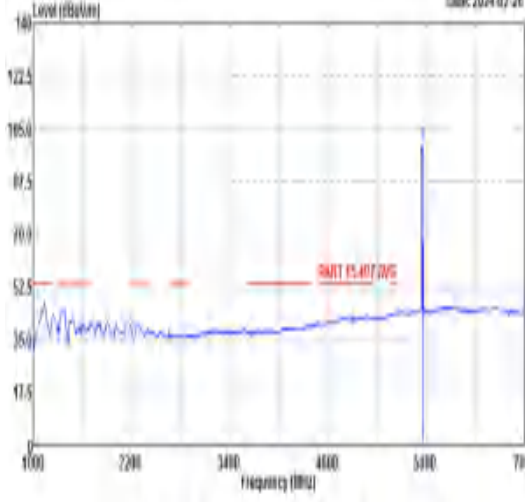


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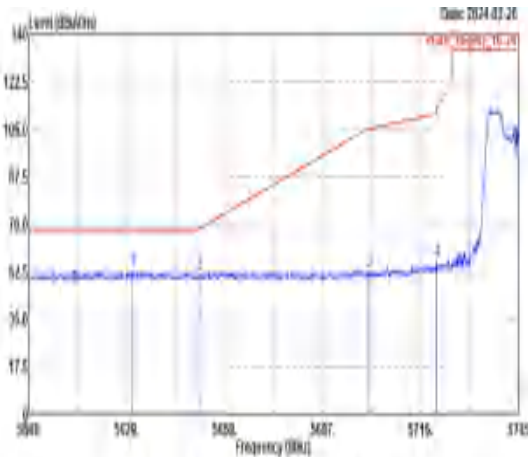
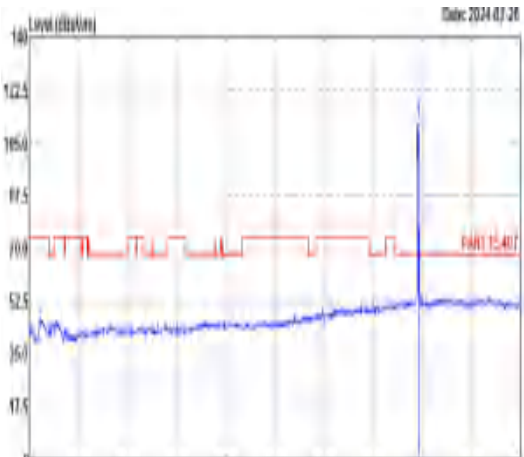
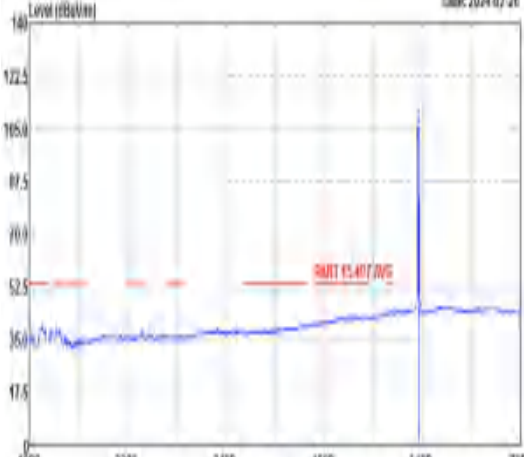


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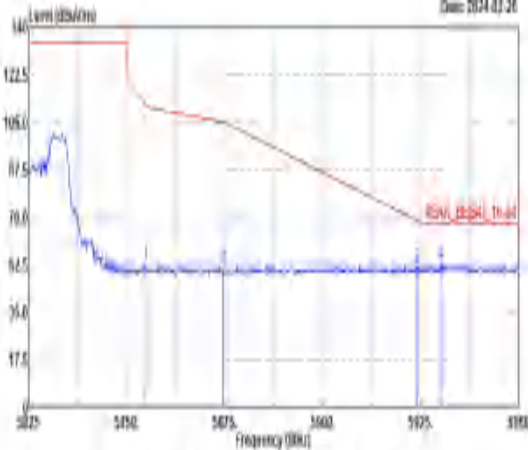
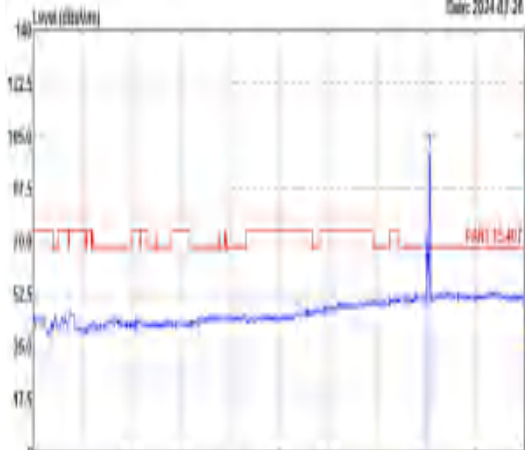
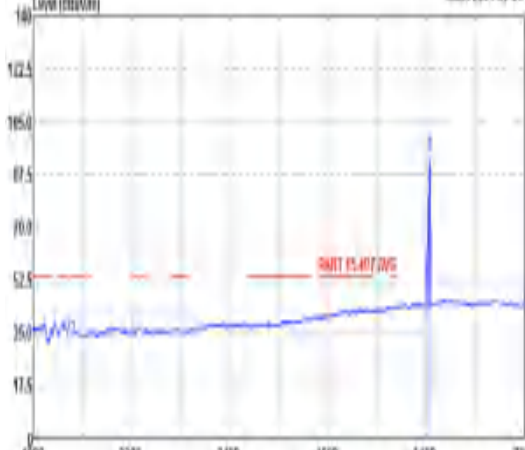


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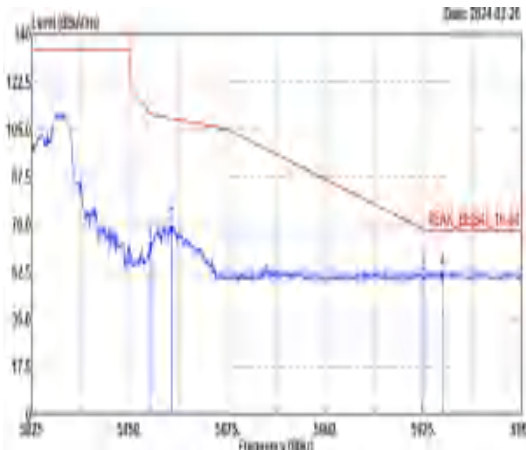
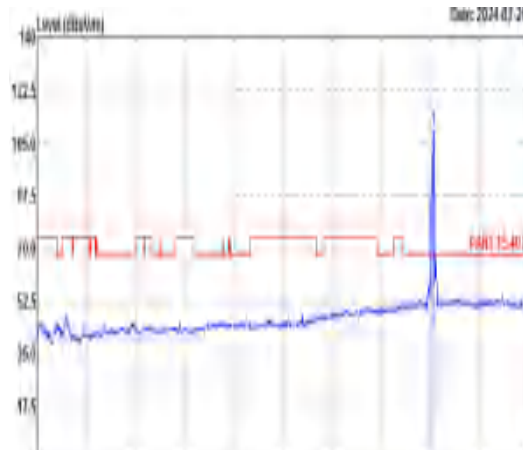
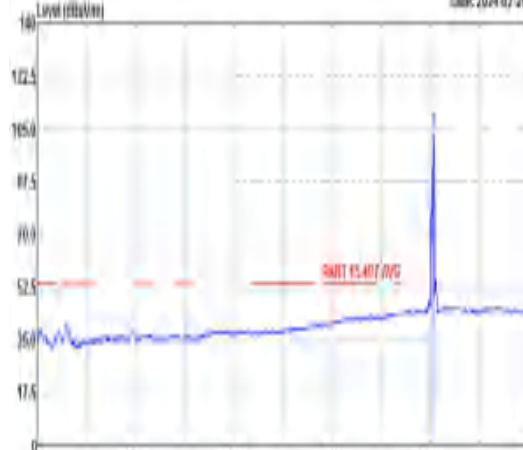


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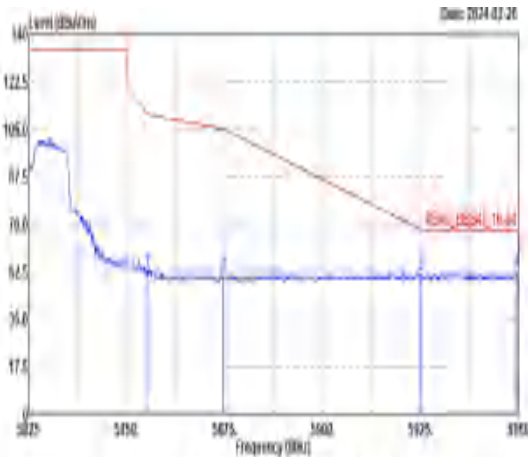
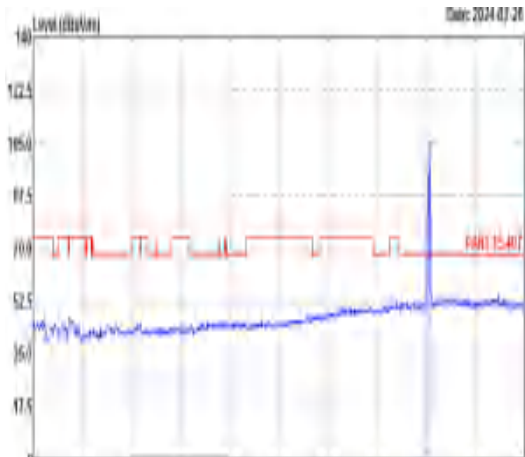
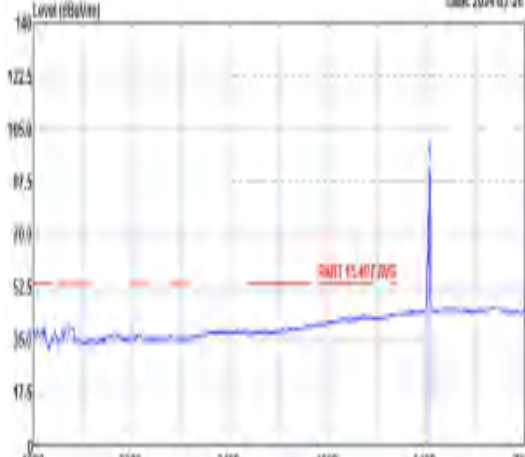


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ANT	CDD 0+1	
Pol.	Horizontal	Fundamental
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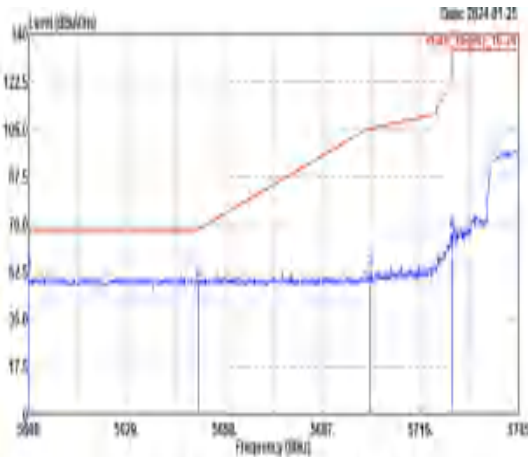
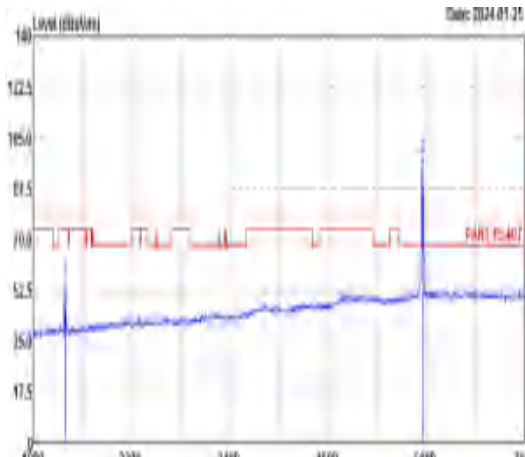
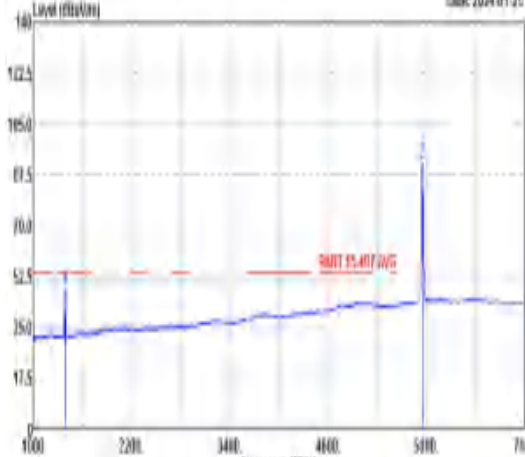


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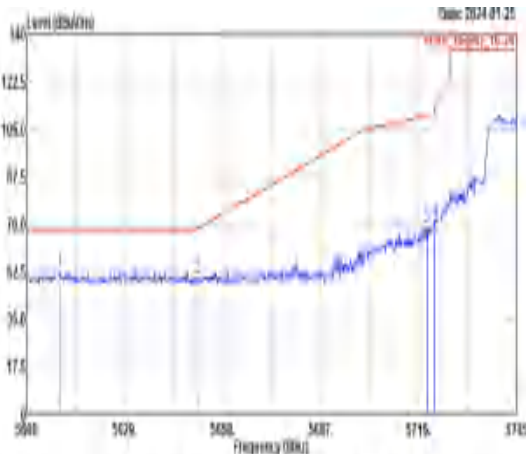
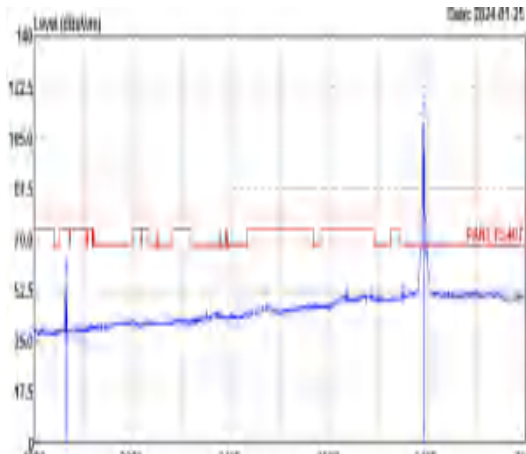
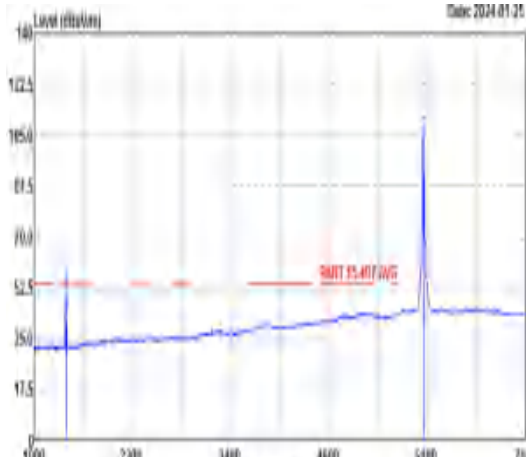


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Peak	 Graph showing Peak Horizontal spectrum. The y-axis is Level (dBm) from 140 to 17.5. The x-axis is Frequency (MHz) from 5680 to 5785. A red line shows the limit, and a blue line shows the measured signal. The signal is below the limit until approximately 5745 MHz, where it rises sharply. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Loss</th><th>Angle</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><td>5680.00</td><td>51.50</td><td>60.30</td><td>16.74</td><td>58.40</td><td>5.69</td><td>5.75</td><td>57.64</td><td>300</td><td>200 PEAR</td></tr><tr><td>5690.17</td><td>48.09</td><td>68.43</td><td>-15.60</td><td>55.72</td><td>5.86</td><td>5.86</td><td>57.58</td><td>300</td><td>200 PEAR</td></tr><tr><td>5700.67</td><td>52.98</td><td>66.34</td><td>-52.80</td><td>59.02</td><td>6.18</td><td>6.97</td><td>62.40</td><td>300</td><td>200 PEAR</td></tr><tr><td>5726.09</td><td>67.34</td><td>122.18</td><td>-54.88</td><td>57.00</td><td>16.21</td><td>10.02</td><td>57.00</td><td>300</td><td>200 PEAR</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Loss	Angle	Level	Factor	Loss Factor		5680.00	51.50	60.30	16.74	58.40	5.69	5.75	57.64	300	200 PEAR	5690.17	48.09	68.43	-15.60	55.72	5.86	5.86	57.58	300	200 PEAR	5700.67	52.98	66.34	-52.80	59.02	6.18	6.97	62.40	300	200 PEAR	5726.09	67.34	122.18	-54.88	57.00	16.21	10.02	57.00	300	200 PEAR	 Graph showing Peak Fundamental spectrum. The y-axis is Level (dBm) from 140 to 17.5. The x-axis is Frequency (MHz) from 5700 to 5740. A red line shows the limit, and a blue line shows the measured signal. The signal is below the limit until approximately 5745 MHz, where it rises sharply. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Loss</th><th>Angle</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><td>5700.00</td><td>55.17</td><td>24.00</td><td>-12.83</td><td>56.55</td><td>29.42</td><td>4.13</td><td>56.93</td><td>300</td><td>200 PEAR</td></tr><tr><td>5745.00</td><td>68.24</td><td>122.18</td><td>-54.88</td><td>57.00</td><td>16.21</td><td>10.02</td><td>57.00</td><td>300</td><td>200 PEAR</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Remark	Freq	Level	Loss	Angle	Level	Factor	Loss Factor		5700.00	55.17	24.00	-12.83	56.55	29.42	4.13	56.93	300	200 PEAR	5745.00	68.24	122.18	-54.88	57.00	16.21	10.02	57.00	300	200 PEAR
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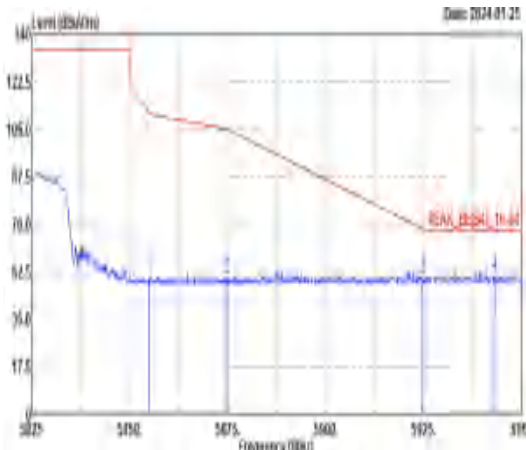
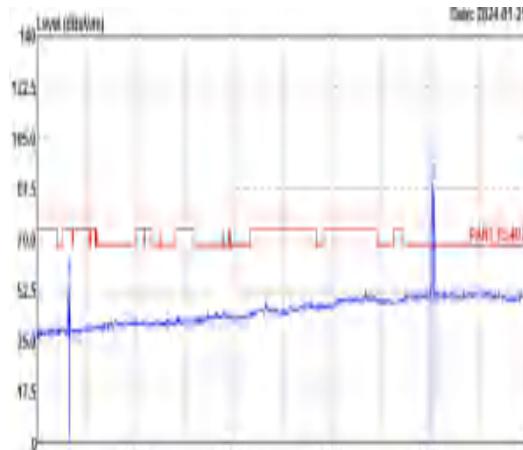
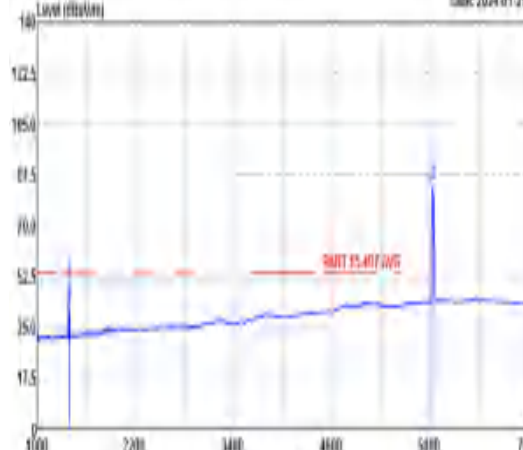


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Peak Avg	Level (dBm) 140 125 110 95 80 65 50 35 20 0 8500 9000 9500 10000 Frequency (MHz) Date: 2024-01-24 HAUT 15.407 HAUT 15.407 MHz <table><tr><th>Unit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><td>1</td><td>11490.00</td><td>87.62</td><td>24.00</td><td>-26.08</td><td>58.96</td><td>19.28</td><td>32.87</td><td>63.44</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>17235.00</td><td>55.80</td><td>88.10</td><td>-11.30</td><td>62.72</td><td>41.86</td><td>15.72</td><td>65.30</td><td>---</td><td>Peak</td></tr></table>	Unit	Band	Ant	Cable	Preamp	RF	TP	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	1	11490.00	87.62	24.00	-26.08	58.96	19.28	32.87	63.44	---	Peak	2	17235.00	55.80	88.10	-11.30	62.72	41.86	15.72	65.30	---	Peak	Level (dBm) 140 125 110 95 80 65 50 35 20 0 8500 9000 9500 10000 Frequency (MHz) Date: 2024-01-24 HAUT 15.407 HAUT 15.407 MHz <table><tr><th>Unit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>RF</th><th>TP</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><td>1</td><td>11490.00</td><td>87.59</td><td>24.00</td><td>-26.01</td><td>58.96</td><td>19.28</td><td>32.87</td><td>63.44</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>17235.00</td><td>65.52</td><td>88.10</td><td>-1.70</td><td>74.24</td><td>41.86</td><td>15.72</td><td>65.30</td><td>165</td><td>262 Peak</td></tr></table>	Unit	Band	Ant	Cable	Preamp	RF	TP	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	1	11490.00	87.59	24.00	-26.01	58.96	19.28	32.87	63.44	---	Peak	2	17235.00	65.52	88.10	-1.70	74.24	41.86	15.72	65.30	165	262 Peak
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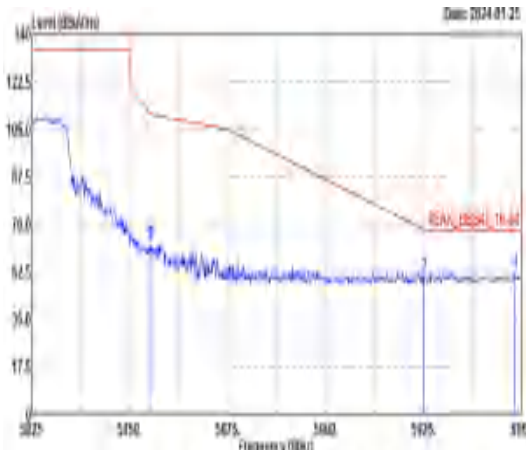
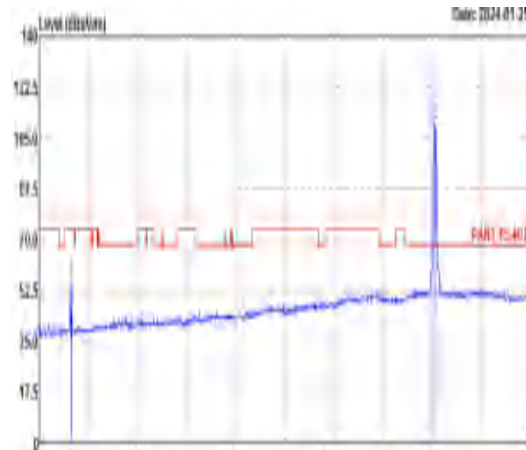
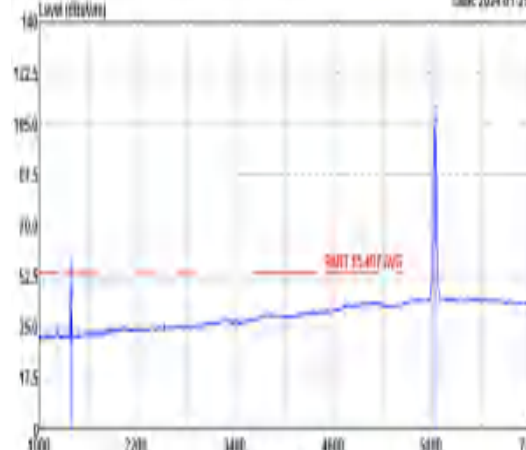


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Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																																																																				
	dBuV/m	dBuV/m	dB	dBm	dB/m	dB	dB	dB																																																																																				
1	11570.00	67.18	24.00	-26.82	58.82	49.21	12.91	63.45 --- Peak																																																																																				
2	17015.00	55.55	00.00	-12.75	66.11	41.02	15.81	65.16 --- Peak																																																																																				
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1	11570.00	64.61	24.00	-25.37	59.02	49.21	12.91	63.45 --- Peak																																																																																				
2	17015.00	67.62	00.00	-0.00	75.38	41.02	15.81	65.16 100 Peak																																																																																				

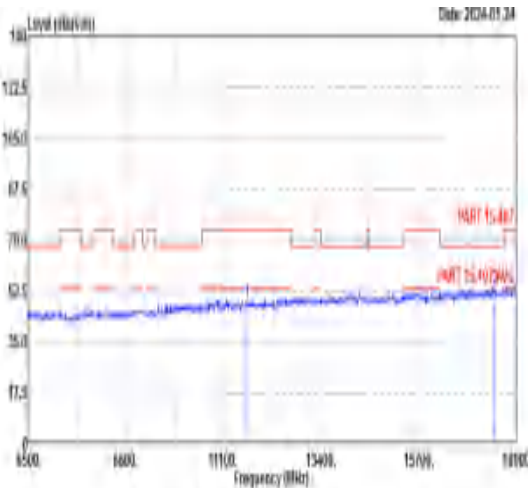
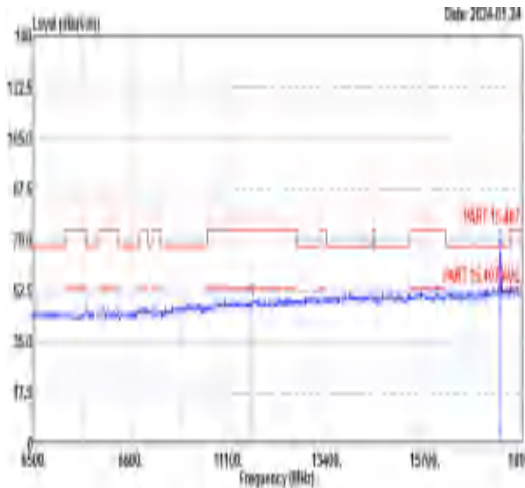


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Peak	 Horizontal Spectrum Plot showing Level (dBm/Hz) vs Frequency (MHz) from 5825 to 5850 MHz. The plot shows a red line for the limit and a blue line for the measured signal. The measured signal is below the limit. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th></tr><tr><th>Freq (MHz)</th><th>Level (dBm/Hz)</th><th>Loss (dB)</th><th>Factor</th><th>Loss Factor</th><th>dB</th><th>dB</th></tr><tr><td>5834.88</td><td>49.44</td><td>118.88</td><td>61.84</td><td>15.40</td><td>16.40</td><td>52.74</td></tr><tr><td>5844.73</td><td>50.87</td><td>105.21</td><td>54.40</td><td>16.87</td><td>16.42</td><td>52.73</td></tr><tr><td>5848.63</td><td>50.38</td><td>58.54</td><td>58.34</td><td>16.31</td><td>16.44</td><td>52.72</td></tr><tr><td>5849.88</td><td>51.76</td><td>68.38</td><td>18.54</td><td>17.54</td><td>16.52</td><td>52.78</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Freq (MHz)	Level (dBm/Hz)	Loss (dB)	Factor	Loss Factor	dB	dB	5834.88	49.44	118.88	61.84	15.40	16.40	52.74	5844.73	50.87	105.21	54.40	16.87	16.42	52.73	5848.63	50.38	58.54	58.34	16.31	16.44	52.72	5849.88	51.76	68.38	18.54	17.54	16.52	52.78	 Fundamental Spectrum Plot showing Level (dBm/Hz) vs Frequency (MHz) from 5800 to 5850 MHz. The plot shows a red line for the limit and a blue line for the measured signal. The measured signal is below the limit. <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>Thru</th></tr><tr><th>Freq (MHz)</th><th>Level (dBm/Hz)</th><th>Loss (dB)</th><th>Factor</th><th>Loss Factor</th><th>dB</th><th>dB</th></tr><tr><td>5834.88</td><td>49.44</td><td>118.88</td><td>61.84</td><td>15.40</td><td>16.40</td><td>52.74</td></tr><tr><td>5844.73</td><td>50.87</td><td>105.21</td><td>54.40</td><td>16.87</td><td>16.42</td><td>52.73</td></tr><tr><td>5848.63</td><td>50.38</td><td>58.54</td><td>58.34</td><td>16.31</td><td>16.44</td><td>52.72</td></tr><tr><td>5849.88</td><td>51.76</td><td>68.38</td><td>18.54</td><td>17.54</td><td>16.52</td><td>52.78</td></tr></table>	Limit	Read	Ant	Cable	Preamp	Att	Thru	Freq (MHz)	Level (dBm/Hz)	Loss (dB)	Factor	Loss Factor	dB	dB	5834.88	49.44	118.88	61.84	15.40	16.40	52.74	5844.73	50.87	105.21	54.40	16.87	16.42	52.73	5848.63	50.38	58.54	58.34	16.31	16.44	52.72	5849.88	51.76	68.38	18.54	17.54	16.52	52.78
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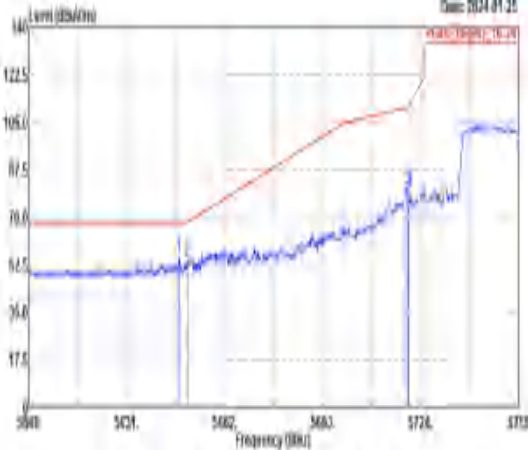
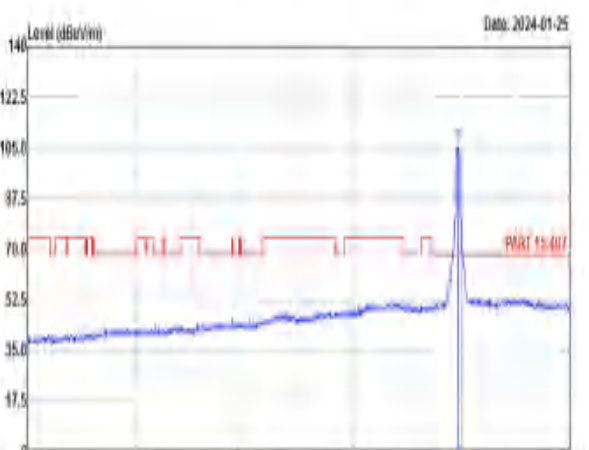
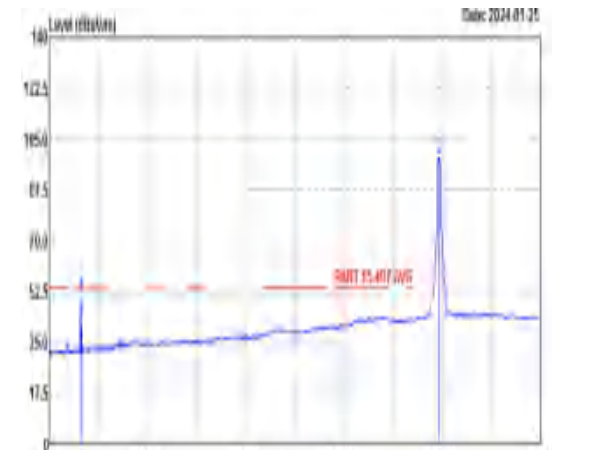


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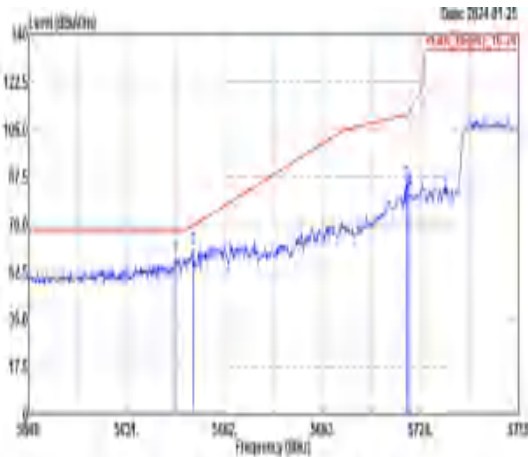
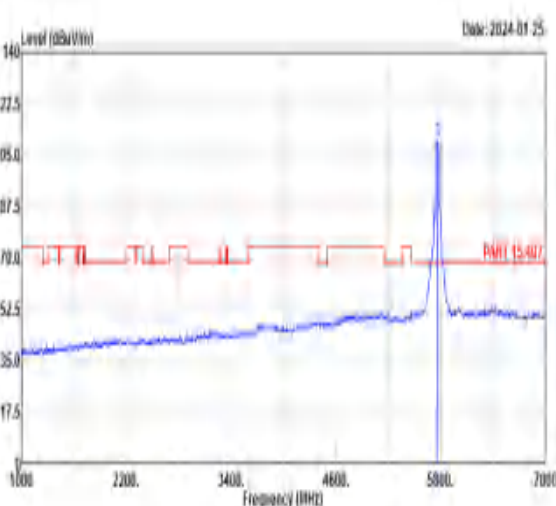
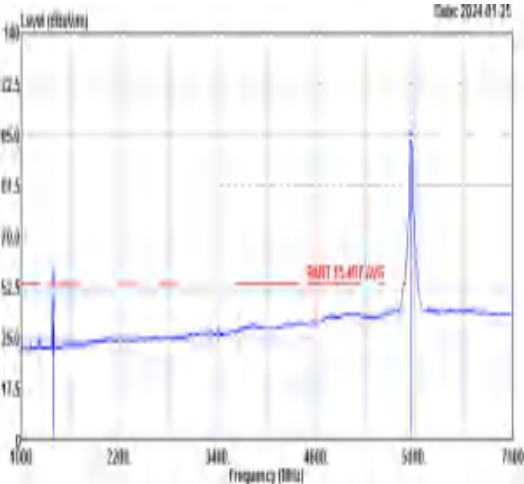


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Peak	 Horizontal Peak Spectrum Plot showing Level (dBu/m) vs Frequency (MHz) from 5600 to 5750 MHz. The plot shows a rising signal level with a peak at 5720 MHz. A red limit line is shown at 105.0 dBu/m. The date is 2024-01-25. <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBu/m</th><th>dBu/m</th><th>dB</th><th>dBu</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th></tr><tr><td>1 5647.45</td><td>55.28</td><td>60.30</td><td>-13.80</td><td>41.94</td><td>16.11</td><td>5.00</td><td>57.06</td><td>200</td></tr><tr><td>2 5650.00</td><td>54.31</td><td>68.31</td><td>-14.00</td><td>41.00</td><td>16.33</td><td>5.00</td><td>57.00</td><td>200</td></tr><tr><td>3 5750.06</td><td>81.04</td><td>-----</td><td>-----</td><td>57.53</td><td>16.70</td><td>10.00</td><td>62.00</td><td>200</td></tr><tr><td>4 5720.14</td><td>70.00</td><td>110.00</td><td>-12.10</td><td>65.33</td><td>16.21</td><td>10.00</td><td>57.00</td><td>200</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Att	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor		MHz	dBu/m	dBu/m	dB	dBu	dB/m	dB	dB	cm	1 5647.45	55.28	60.30	-13.80	41.94	16.11	5.00	57.06	200	2 5650.00	54.31	68.31	-14.00	41.00	16.33	5.00	57.00	200	3 5750.06	81.04	-----	-----	57.53	16.70	10.00	62.00	200	4 5720.14	70.00	110.00	-12.10	65.33	16.21	10.00	57.00	200	 Fundamental Peak Spectrum Plot showing Level (dBu/m) vs Frequency (MHz) from 1000 to 7000 MHz. A sharp peak is visible at 5755 MHz. A red limit line is shown at 105.0 dBu/m. The date is 2024-01-25. <table><tr><th></th><th>Limit</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Att</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>(dB)</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th><th></th></tr><tr><th>MHz</th><th>dBu/m</th><th>dBu/m</th><th>dB</th><th>dBu</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1 5755.00</td><td>105.06</td><td>-----</td><td>-----</td><td>91.41</td><td>16.26</td><td>10.00</td><td>57.70</td><td>200</td><td>102</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>PEAK</td></tr></table>		Limit	Margin	Read	Ant	Cable	Preamp	Att	TPos	Remark	Freq	Level	Line	(dB)	Level	Factor	Loss	Factor			MHz	dBu/m	dBu/m	dB	dBu	dB/m	dB	dB	cm	deg	1 5755.00	105.06	-----	-----	91.41	16.26	10.00	57.70	200	102										PEAK
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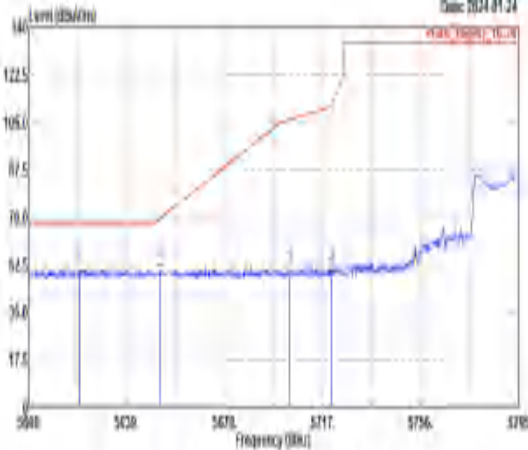
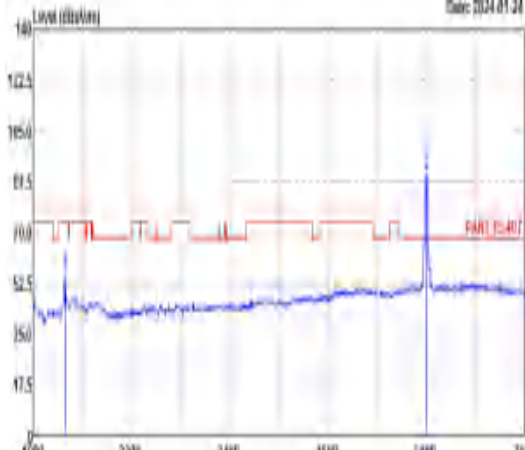
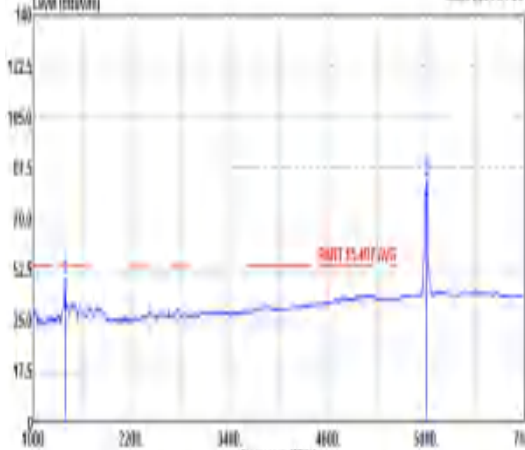


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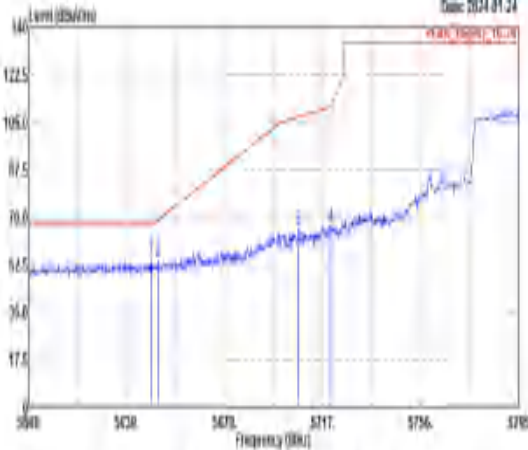
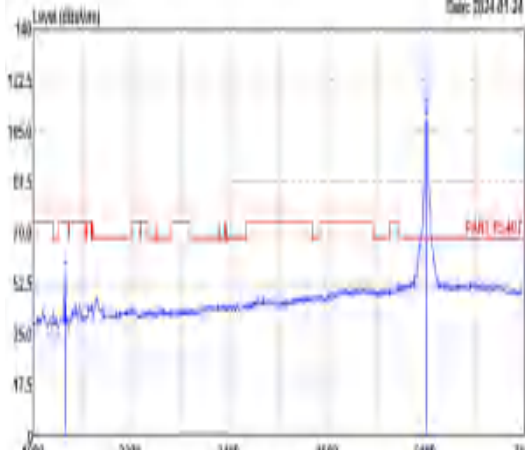
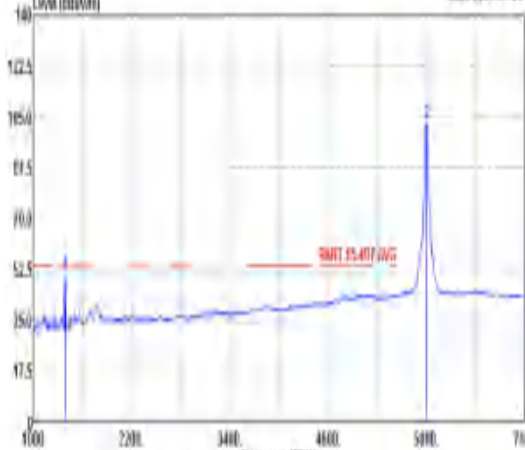


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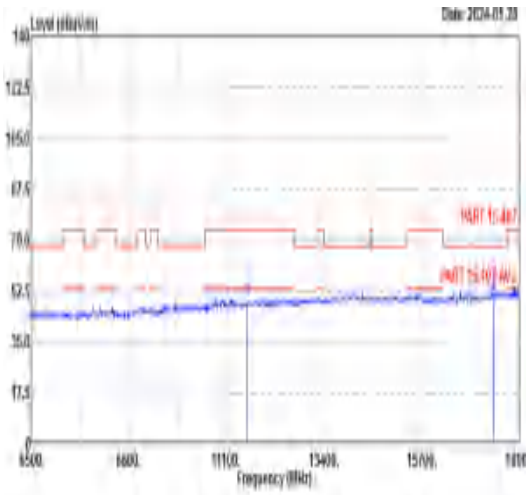
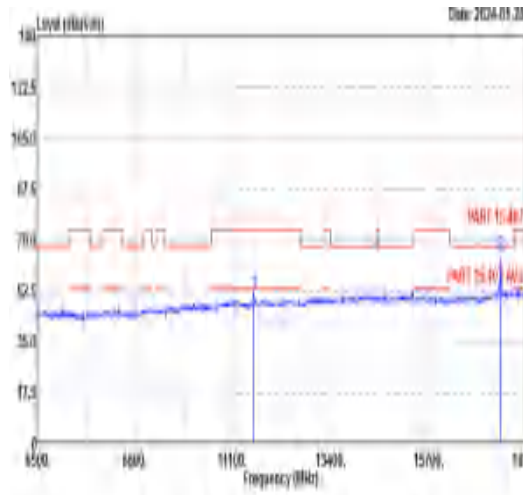


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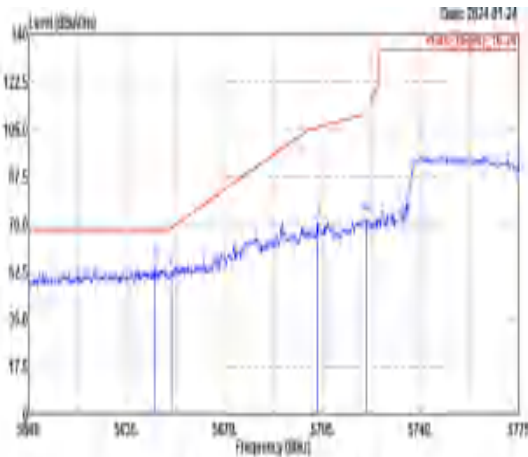
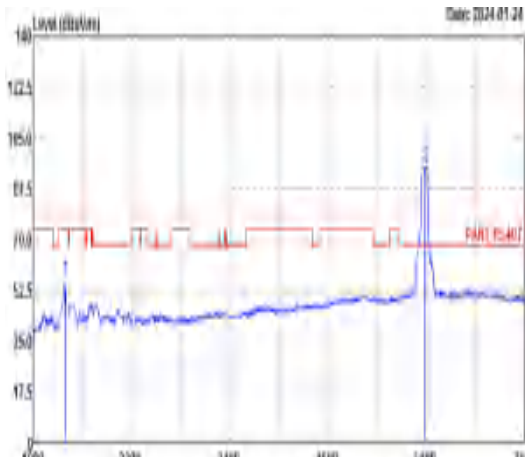
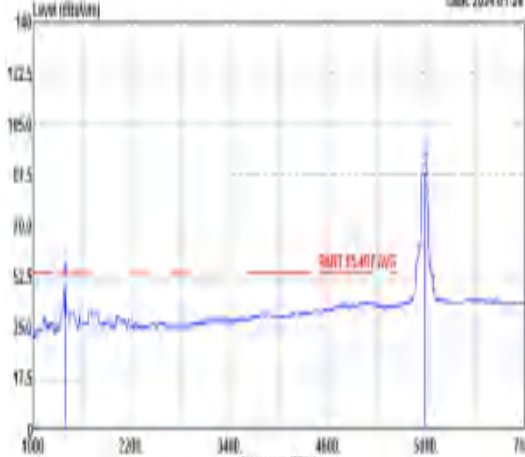


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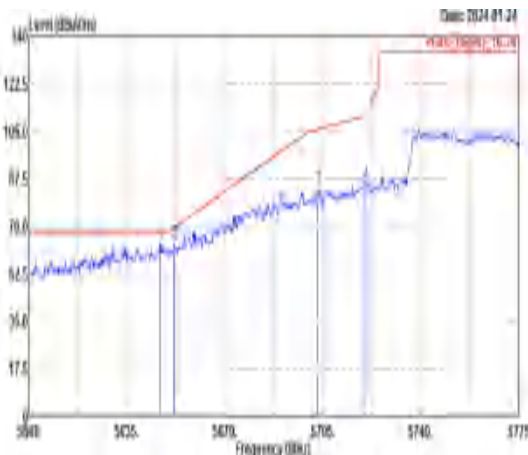
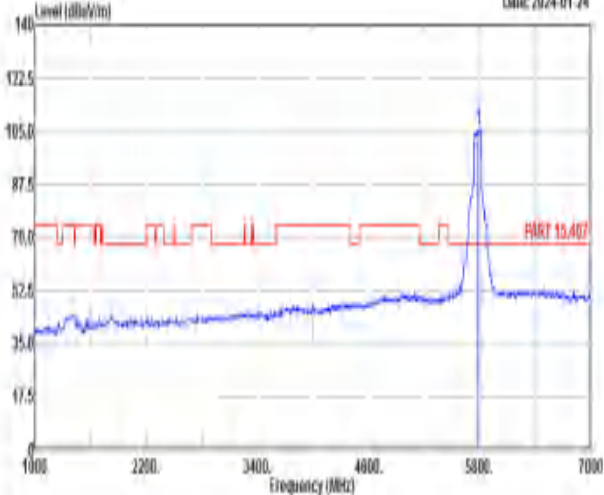
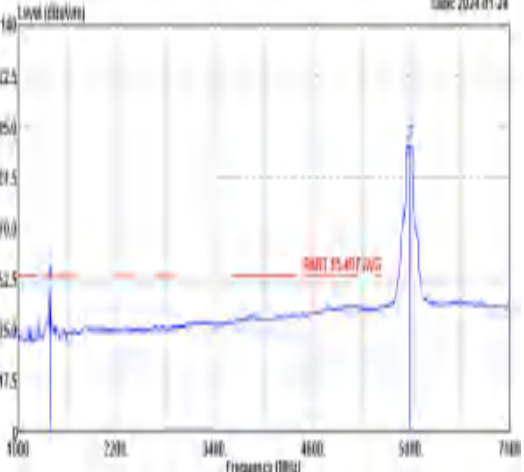


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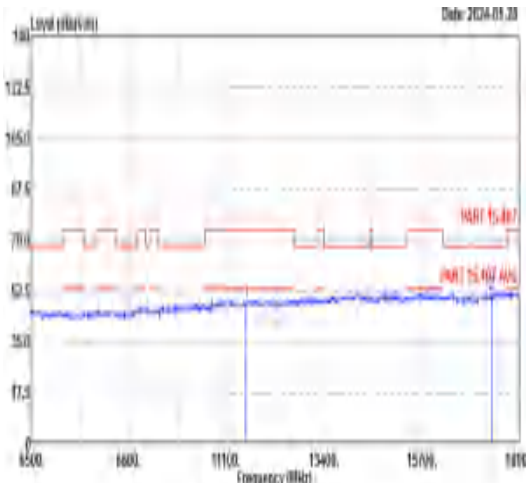
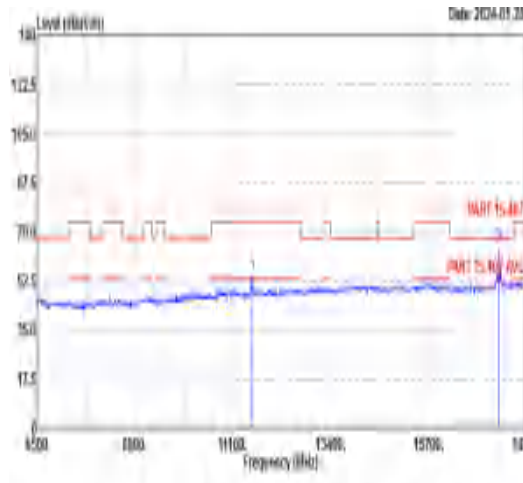


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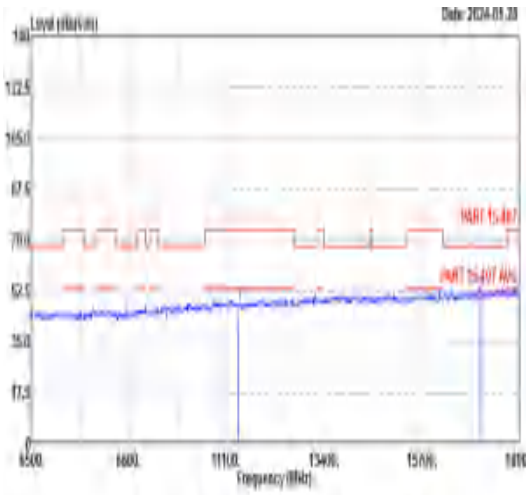
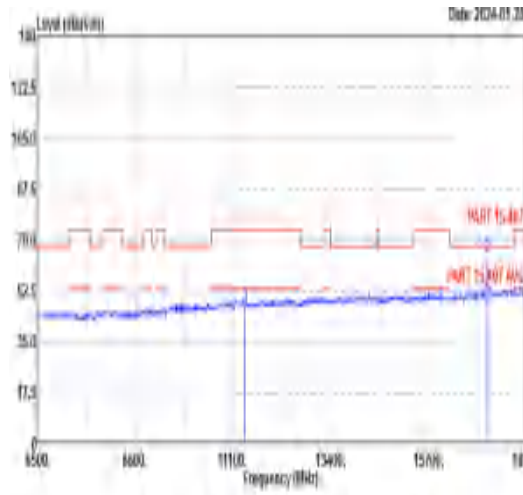
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1	5720.00	69.91	24.00	-24.09	65.91	49.18	32.84	65.44	259	28 Peak																																																																																															
2	57100.00	58.78	51.00	-1.22	60.70	38.58	12.84	61.58	258	28 Average																																																																																															
3	57100.00	65.76	68.10	-3.34	73.50	41.78	15.66	65.26	248	264 Peak																																																																																															

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Pol.	Horizontal	Vertical																																																																																								
Peak Avg	Level (dBm/Hz) Date: 2024-01-24 Frequency (MHz) <table><thead><tr><th>Unit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Peak</th><th>Thresh</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th></th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dBm</th><th>dBm</th><th>dB</th><th>dB</th></tr></thead><tbody><tr><td>1 5560.00</td><td>67.95</td><td>74.00</td><td>-26.05</td><td>58.97</td><td>49.59</td><td>12.44</td><td>83.44 --- Peak</td></tr><tr><td>2 57100.00</td><td>56.07</td><td>60.00</td><td>-12.23</td><td>60.00</td><td>49.70</td><td>15.00</td><td>65.20 --- Peak</td></tr></tbody></table>	Unit	Band	Ant	Cable	Preamp	Peak	Thresh	Remark	Freq	Level	Line	Margin	Level	Factor	Loss		MHz	dBm/Hz	dBm/Hz	dB	dBm	dBm	dB	dB	1 5560.00	67.95	74.00	-26.05	58.97	49.59	12.44	83.44 --- Peak	2 57100.00	56.07	60.00	-12.23	60.00	49.70	15.00	65.20 --- Peak	Level (dBm/Hz) Date: 2024-01-27 Frequency (MHz) <table><thead><tr><th>Unit</th><th>Band</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Peak</th><th>Thresh</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th></th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dBm</th><th>dBm</th><th>dB</th><th>dB</th></tr></thead><tbody><tr><td>1 5560.00</td><td>57.79</td><td>74.00</td><td>-16.21</td><td>69.31</td><td>-9.18</td><td>12.84</td><td>83.44 258 31 Peak</td></tr><tr><td>2 57100.00</td><td>52.80</td><td>61.00</td><td>-1.16</td><td>64.26</td><td>30.88</td><td>12.84</td><td>61.88 158 31 Average</td></tr><tr><td>3 57100.00</td><td>64.10</td><td>68.10</td><td>-4.00</td><td>72.10</td><td>41.20</td><td>15.66</td><td>65.26 248 32 Peak</td></tr></tbody></table>	Unit	Band	Ant	Cable	Preamp	Peak	Thresh	Remark	Freq	Level	Line	Margin	Level	Factor	Loss		MHz	dBm/Hz	dBm/Hz	dB	dBm	dBm	dB	dB	1 5560.00	57.79	74.00	-16.21	69.31	-9.18	12.84	83.44 258 31 Peak	2 57100.00	52.80	61.00	-1.16	64.26	30.88	12.84	61.88 158 31 Average	3 57100.00	64.10	68.10	-4.00	72.10	41.20	15.66	65.26 248 32 Peak
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ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg	Level (dBuV/m) 110 112.5 115.0 117.5 120.0 122.5 125.0 127.5 130.0 132.5 135.0 137.5 140.0 142.5 145.0 147.5 150.0 152.5 155.0 157.5 160.0 162.5 165.0 167.5 170.0 172.5 175.0 177.5 180.0 182.5 185.0 187.5 190.0 192.5 195.0 197.5 200.0 202.5 205.0 207.5 210.0 212.5 215.0 217.5 220.0 222.5 225.0 227.5 230.0 232.5 235.0 237.5 240.0 242.5 245.0 247.5 250.0 252.5 255.0 257.5 260.0 262.5 265.0 267.5 270.0 272.5 275.0 277.5 280.0 282.5 285.0 287.5 290.0 292.5 295.0 297.5 300.0 302.5 305.0 307.5 310.0 312.5 315.0 317.5 320.0 322.5 325.0 327.5 330.0 332.5 335.0 337.5 340.0 342.5 345.0 347.5 350.0 352.5 355.0 357.5 360.0 362.5 365.0 367.5 370.0 372.5 375.0 377.5 380.0 382.5 385.0 387.5 390.0 392.5 395.0 397.5 400.0 402.5 405.0 407.5 410.0 412.5 415.0 417.5 420.0 422.5 425.0 427.5 430.0 432.5 435.0 437.5 440.0 442.5 445.0 447.5 450.0 452.5 455.0 457.5 460.0 462.5 465.0 467.5 470.0 472.5 475.0 477.5 480.0 482.5 485.0 487.5 490.0 492.5 495.0 497.5 500.0 502.5 505.0 507.5 510.0 512.5 515.0 517.5 520.0 522.5 525.0 527.5 530.0 532.5 535.0 537.5 540.0 542.5 545.0 547.5 550.0 552.5 555.0 557.5 560.0 562.5 565.0 567.5 570.0 572.5 575.0 577.5 580.0 582.5 585.0 587.5 590.0 592.5 595.0 597.5 600.0 602.5 605.0 607.5 610.0 612.5 615.0 617.5 620.0 622.5 625.0 627.5 630.0 632.5 635.0 637.5 640.0 642.5 645.0 647.5 650.0 652.5 655.0 657.5 660.0 662.5 665.0 667.5 670.0 672.5 675.0 677.5 680.0 682.5 685.0 687.5 690.0 692.5 695.0 697.5 700.0 702.5 705.0 707.5 710.0 712.5 715.0 717.5 720.0 722.5 725.0 727.5 730.0 732.5 735.0 737.5 740.0 742.5 745.0 747.5 750.0 752.5 755.0 757.5 760.0 762.5 765.0 767.5 770.0 772.5 775.0 777.5 780.0 782.5 785.0 787.5 790.0 792.5 795.0 797.5 800.0 802.5 805.0 807.5 810.0 812.5 815.0 817.5 820.0 822.5 825.0 827.5 830.0 832.5 835.0 837.5 840.0 842.5 845.0 847.5 850.0 852.5 855.0 857.5 860.0 862.5 865.0 867.5 870.0 872.5 875.0 877.5 880.0 882.5 885.0 887.5 890.0 892.5 895.0 897.5 900.0 902.5 905.0 907.5 910.0 912.5 915.0 917.5 920.0 922.5 925.0 927.5 930.0 932.5 935.0 937.5 940.0 942.5 945.0 947.5 950.0 952.5 955.0 957.5 960.0 962.5 965.0 967.5 970.0 972.5 975.0 977.5 980.0 982.5 985.0 987.5 990.0 992.5 995.0 997.5 1000.0 1002.5 1005.0 1007.5 1010.0 1012.5 1015.0 1017.5 1020.0 1022.5 1025.0 1027.5 1030.0 1032.5 1035.0 1037.5 1040.0 1042.5 1045.0 1047.5 1050.0 1052.5 1055.0 1057.5 1060.0 1062.5 1065.0 1067.5 1070.0 1072.5 1075.0 1077.5 1080.0 1082.5 1085.0 1087.5 1090.0 1092.5 1095.0 1097.5 1100.0 1102.5 1105.0 1107.5 1110.0 1112.5 1115.0 1117.5 1120.0 1122.5 1125.0 1127.5 1130.0 1132.5 1135.0 1137.5 1140.0 1142.5 1145.0 1147.5 1150.0 1152.5 1155.0 1157.5 1160.0 1162.5 1165.0 1167.5 1170.0 1172.5 1175.0 1177.5 1180.0 1182.5 1185.0 1187.5 1190.0 1192.5 1195.0 1197.5 1200.0 1202.5 1205.0 1207.5 1210.0 1212.5 1215.0 1217.5 1220.0 1222.5 1225.0 1227.5 1230.0 1232.5 1235.0 1237.5 1240.0 1242.5 1245.0 1247.5 1250.0 1252.5 1255.0 1257.5 1260.0 1262.5 1265.0 1267.5 1270.0 1272.5 1275.0 1277.5 1280.0 1282.5 1285.0 1287.5 1290.0 1292.5 1295.0 1297.5 1300.0 1302.5 1305.0 1307.5 1310.0 1312.5 1315.0 1317.5 1320.0 1322.5 1325.0 1327.5 1330.0 1332.5 1335.0 1337.5 1340.0 1342.5 1345.0 1347.5 1350.0 1352.5 1355.0 1357.5 1360.0 1362.5 1365.0 1367.5 1370.0 1372.5 1375.0 1377.5 1380.0 1382.5 1385.0 1387.5 1390.0 1392.5 1395.0 1397.5 1400.0 1402.5 1405.0 1407.5 1410.0 1412.5 1415.0 1417.5 1420.0 1422.5 1425.0 1427.5 1430.0 1432.5 1435.0 1437.5 1440.0 1442.5 1445.0 1447.5 1450.0 1452.5 1455.0 1457.5 1460.0 1462.5 1465.0 1467.5 1470.0 1472.5 1475.0 1477.5 1480.0 1482.5 1485.0 1487.5 1490.0 1492.5 1495.0 1497.5 1500.0 1502.5 1505.0 1507.5 1510.0 1512.5 1515.0 1517.5 1520.0 1522.5 1525.0 1527.5 1530.0 1532.5 1535.0 1537.5 1540.0 1542.5 1545.0 1547.5 1550.0 1552.5 1555.0 1557.5 1560.0 1562.5 1565.0 1567.5 1570.0 1572.5 1575.0 1577.5 1580.0 1582.5 1585.0 1587.5 1590.0 1592.5 1595.0 1597.5 1600.0 1602.5 1605.0 1607.5 1610.0 1612.5 1615.0 1617.5 1620.0 1622.5 1625.0 1627.5 1630.0 1632.5 1635.0 1637.5 1640.0 1642.5 1645.0 1647.5 1650.0 1652.5 1655.0 1657.5 1660.0 1662.5 1665.0 1667.5 1670.0 1672.5 1675.0 1677.5 1680.0 1682.5 1685.0 1687.5 1690.0 1692.5 1695.0 1697.5 1700.0 1702.5 1705.0 1707.5 1710.0 1712.5 1715.0 1717.5 1720.0 1722.5 1725.0 1727.5 1730.0 1732.5 1735.0 1737.5 1740.0 1742.5 1745.0 1747.5 1750.0 1752.5 1755.0 1757.5 1760.0 1762.5 1765.0 1767.5 1770.0 1772.5 1775.0 1777.5 1780.0 1782.5 1785.0 1787.5 1790.0 1792.5 1795.0 1797.5 1800.0 1802.5 1805.0 1807.5 1810.0 1812.5 1815.0 1817.5 1820.0 1822.5 1825.0 1827.5 1830.0 1832.5 1835.0 1837.5 1840.0 1842.5 1845.0 1847.5 1850.0 1852.5 1855.0 1857.5 1860.0 1862.5 1865.0 1867.5 1870.0 1872.5 1875.0 1877.5 1880.0 1882.5 1885.0 1887.5 1890.0 1892.5 1895.0 1897.5 1900.0 1902.5 1905.0 1907.5 1910.0 1912.5 1915.0 1917.5 1920.0 1922.5 1925.0 1927.5 1930.0 1932.5 1935.0 1937.5 1940.0 1942.5 1945.0 1947.5 1950.0 1952.5 1955.0 1957.5 1960.0 1962.5 1965.0 1967.5 1970.0 1972.5 1975.0 1977.5 1980.0 1982.5 1985.0 1987.5 1990.0 1992.5 1995.0 1997.5 2000.0 2002.5 2005.0 2007.5 2010.0 2012.5 2015.0 2017.5 2020.0 2022.5 2025.0 2027.5 2030.0 2032.5 2035.0 2037.5 2040.0 2042.5 2045.0 2047.5 2050.0 2052.5 2055.0 2057.5 2060.0 2062.5 2065.0 2067.5 2070.0 2072.5 2075.0 2077.5 2080.0 2082.5 2085.0 2087.5 2090.0 2092.5 2095.0 2097.5 2100.0 2102.5 2105.0 2107.5 2110.0 2112.5 2115.0 2117.5 2120.0 2122.5 2125.0 2127.5 2130.0 2132.5 2135.0 2137.5 2140.0 2142.5 2145.0 2147.5 2150.0 2152.5 2155.0 2157.5 2160.0 2162.5 2165.0 2167.5 2170.0 2172.5 2175.0 2177.5 2180.0 2182.5 2185.0 2187.5 2190.0 2192.5 2195.0 2197.5 2200.0 2202.5 2205.0 2207.5 2210.0 2212.5 2215.0 2217.5 2220.0 2222.5 2225.0 2227.5 2230.0 2232.5 2235.0 2237.5 2240.0 2242.5 2245.0 2247.5 2250.0 2252.5 2255.0 2257.5 2260.0 2262.5 2265.0 2267.5 2270.0 2272.5 2275.0 2277.5 2280.0 2282.5 2285.0 2287.5 2290.0 2292.5 2295.0 2297.5 2300.0 2302.5 2305.0 2307.5 2310.0 2312.5 2315.0 2317.5 2320.0 2322.5 2325.0 2327.5 2330.0 2332.5 2335.0 2337.5 2340.0 2342.5 2345.0 2347.5 2350.0 2352.5 2355.0 2357.5 2360.0 2362.5 2365.0 2367.5 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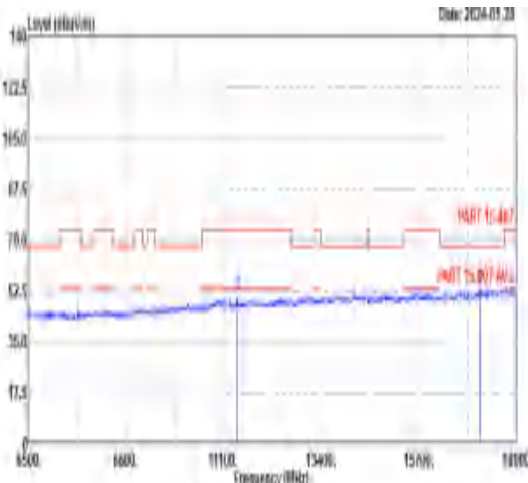
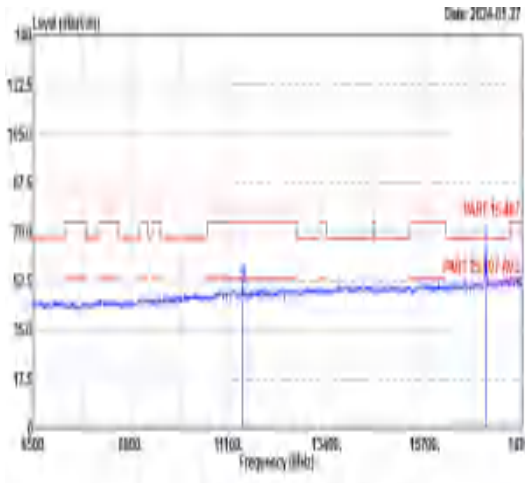


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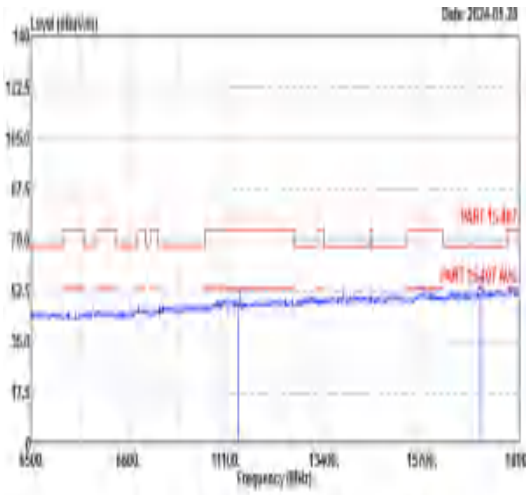
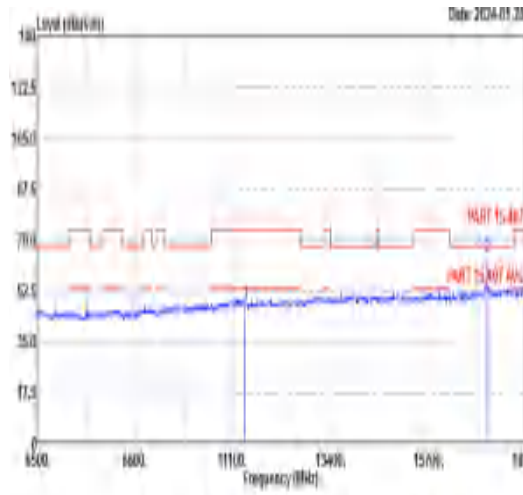


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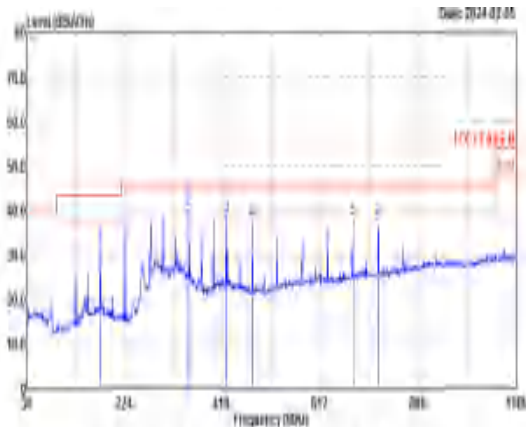
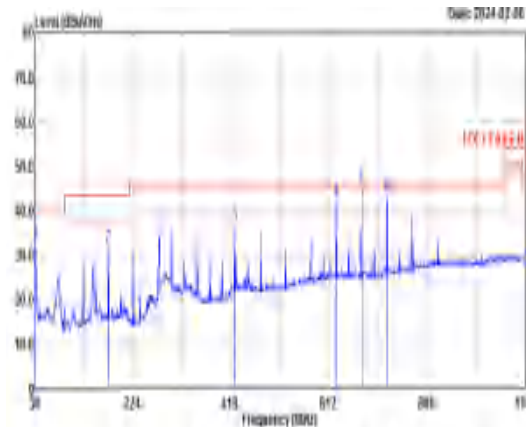


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Peak Avg	<table><tr><th></th><th>Unit</th><th>Read</th><th>Att</th><th>Cable Preamp</th><th>RF Loss</th><th>TPA</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><th></th><th>dBm</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dBm</th><th>dBm</th><th></th></tr><tr><td>1</td><td>5740.00</td><td>51.16</td><td>24.00</td><td>27.00</td><td>69.01</td><td>49.87</td><td>53.82 53.44 --- Peak</td></tr><tr><td>2</td><td>5710.00</td><td>51.20</td><td>00.10</td><td>-15.00</td><td>61.10</td><td>46.14</td><td>15.84 65.25 --- Peak</td></tr></table> <table><tr><th></th><th>Unit</th><th>Read</th><th>Att</th><th>Cable Preamp</th><th>RF Loss</th><th>TPA</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th></th></tr><tr><th></th><th>dBm</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dBm</th><th>dBm</th><th></th></tr><tr><td>1</td><td>5740.00</td><td>52.35</td><td>24.00</td><td>27.00</td><td>65.00</td><td>39.17</td><td>32.62 63.44 25.1 35 Peak</td></tr><tr><td>2</td><td>5710.00</td><td>50.00</td><td>01.00</td><td>-1.10</td><td>60.19</td><td>70.17</td><td>12.82 67.84 15.1 30 Average</td></tr><tr><td>3</td><td>5710.00</td><td>60.47</td><td>00.10</td><td>-1.03</td><td>74.34</td><td>41.74</td><td>15.44 65.25 22.6 50 Peak</td></tr></table>		Unit	Read	Att	Cable Preamp	RF Loss	TPA	Remark	Freq	Level	Line	Margin	Level	Factor	Loss Factor			dBm	dBm/Hz	dBm/Hz	dB	dBm	dBm		1	5740.00	51.16	24.00	27.00	69.01	49.87	53.82 53.44 --- Peak	2	5710.00	51.20	00.10	-15.00	61.10	46.14	15.84 65.25 --- Peak		Unit	Read	Att	Cable Preamp	RF Loss	TPA	Remark	Freq	Level	Line	Margin	Level	Factor	Loss Factor			dBm	dBm/Hz	dBm/Hz	dB	dBm	dBm		1	5740.00	52.35	24.00	27.00	65.00	39.17	32.62 63.44 25.1 35 Peak	2	5710.00	50.00	01.00	-1.10	60.19	70.17	12.82 67.84 15.1 30 Average	3	5710.00	60.47	00.10	-1.03	74.34	41.74	15.44 65.25 22.6 50 Peak
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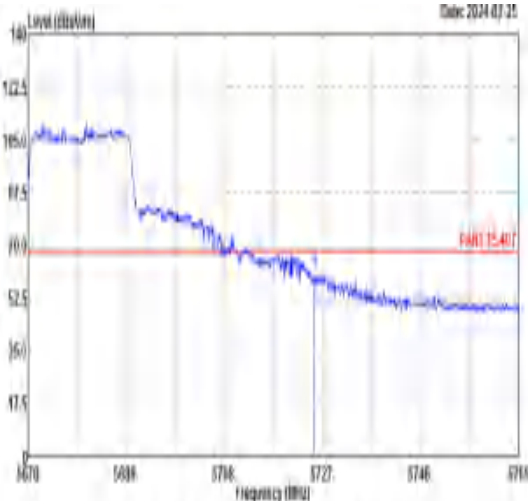
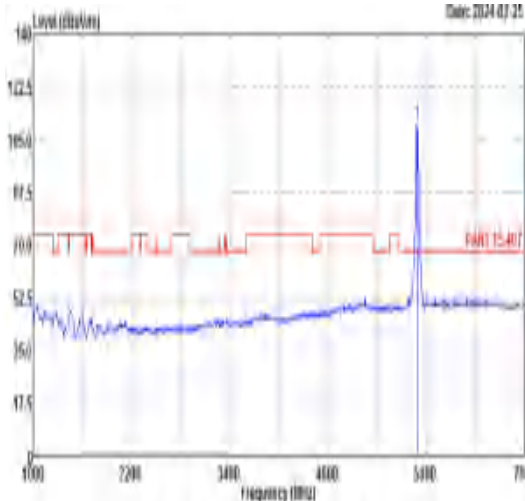
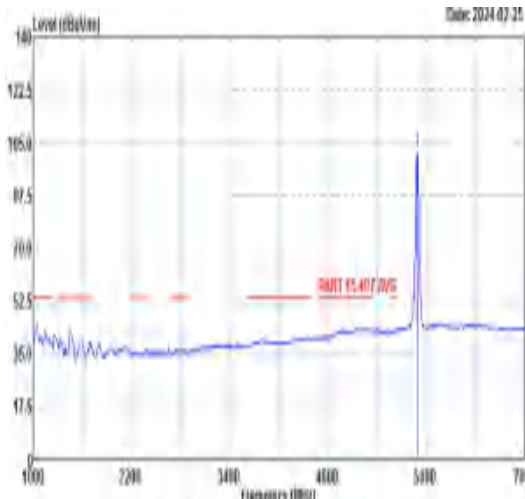


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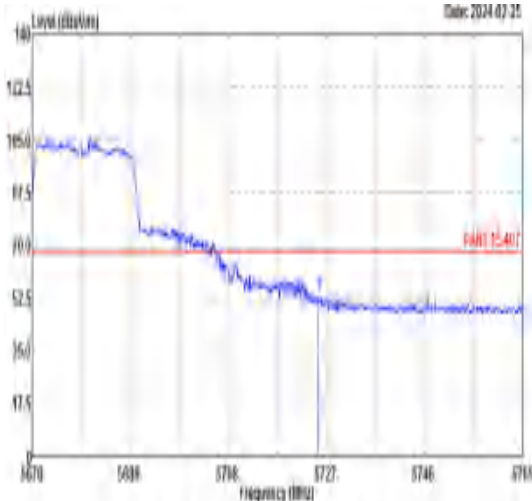
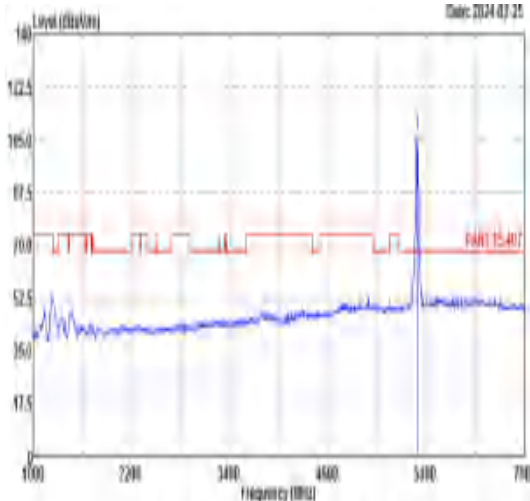
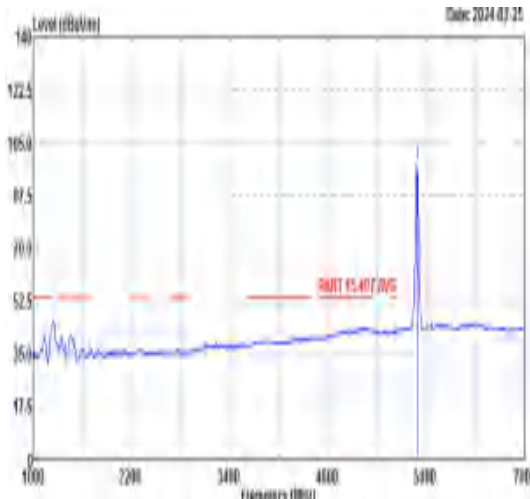


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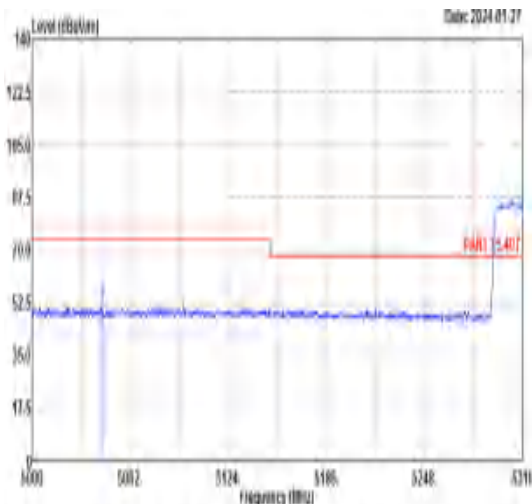
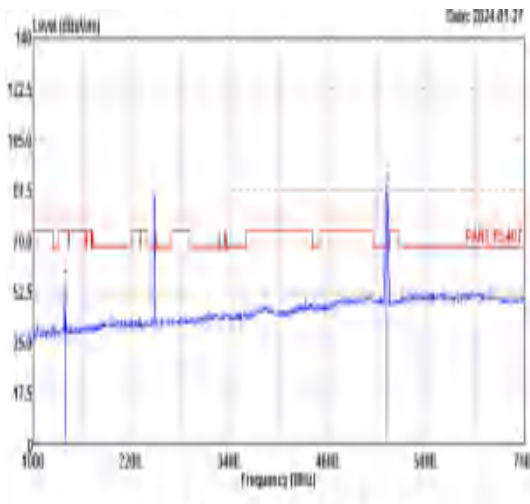
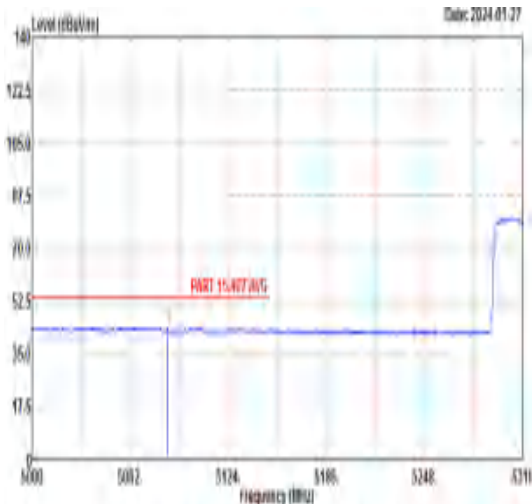
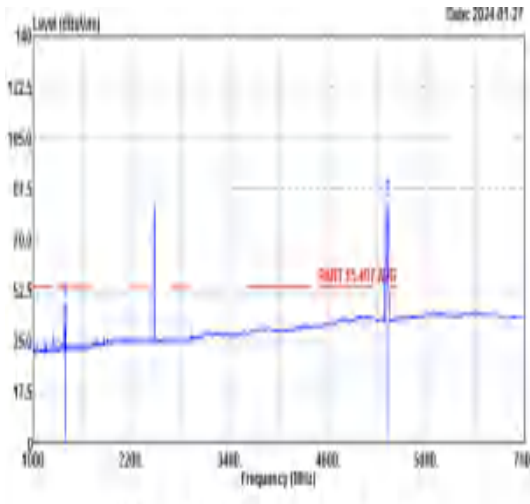


Mode	108																																													
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Pol.	Vertical	Fundamental																																												
Peak	 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 5670 5680 5700 5720 5740 5760 Frequency (MHz) Limit Read Ant. Cable Pramp Attos TTes <table><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Attos</th><th>TTes</th><th>Remark</th></tr><tr><td>5725.40</td><td>51.41</td><td>60.30</td><td>-14.80</td><td>39.36</td><td>16.32</td><td>10.02</td><td>12.01</td><td>300</td><td>02</td><td>PLAK</td></tr></table>	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Attos	TTes	Remark	5725.40	51.41	60.30	-14.80	39.36	16.32	10.02	12.01	300	02	PLAK	 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 5600 5620 5640 5660 5680 5700 Frequency (MHz) Limit Read Ant. Cable Pramp Attos TTes <table><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Attos</th><th>TTes</th><th>Remark</th></tr><tr><td>5680.00</td><td>107.15</td><td>-----</td><td>-----</td><td>91.77</td><td>16.14</td><td>9.91</td><td>12.07</td><td>300</td><td>02</td><td>PLAK</td></tr></table>	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Attos	TTes	Remark	5680.00	107.15	-----	-----	91.77	16.14	9.91	12.07	300	02	PLAK
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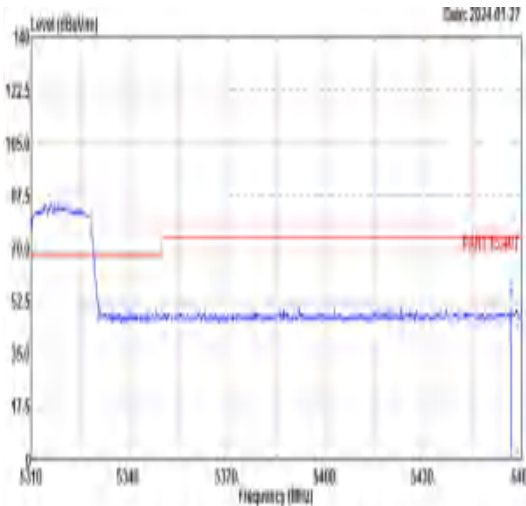
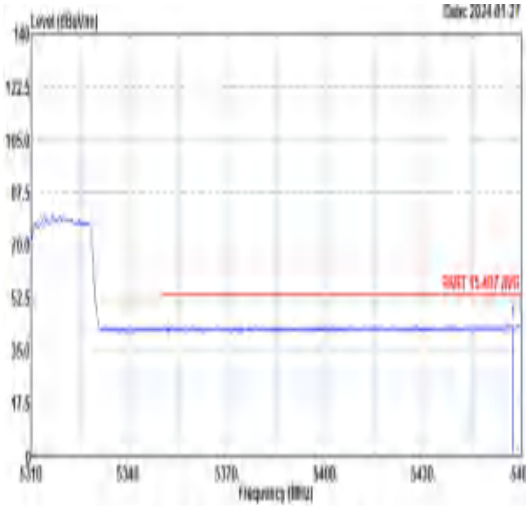
**<Simultaneous transmission>****Summary of each worse mode**

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
105	CO_TX		1386.00	50.61	54.00	-3.39	H	AVERAGE	Pass	Band Edge
			15930.00	49.95	74.00	-24.05	V	Peak	Pass	Harmonic

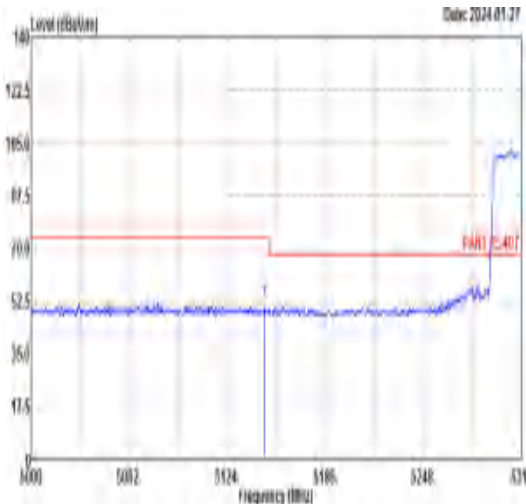
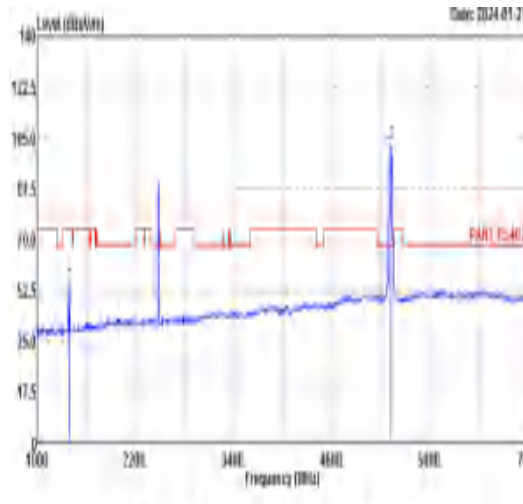
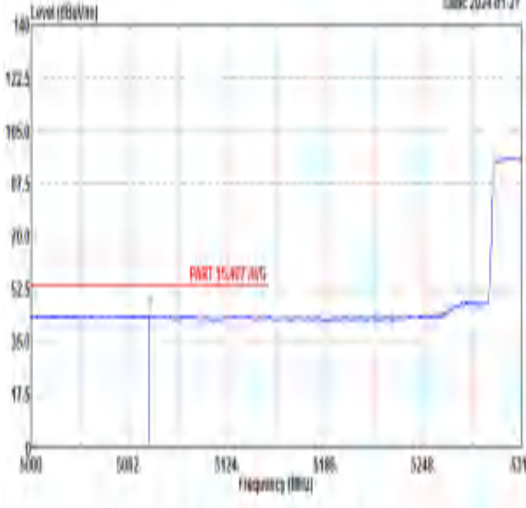
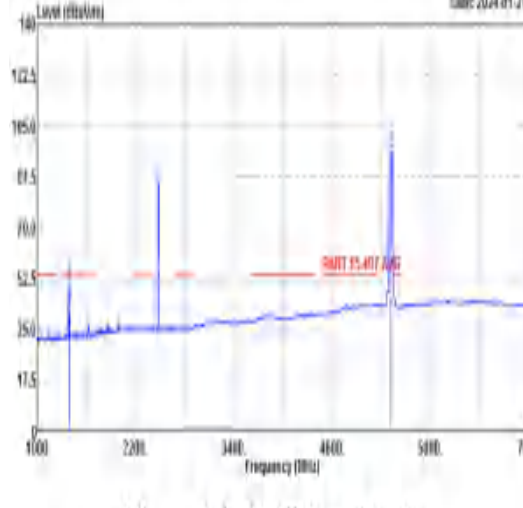


Mode	105																																																											
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	U-NII-2A_5.25-5.35_802.11ac VHT40_CH62_Full_5310MHz+ Bluetooth LE_CH38_2478MHz																																																											
Pol.	Horizontal	Fundamental																																																										
Peak	 Level (dBm/Hz) Frequency (MHz) Limit Read Ant. Cable Preamp Loss Factor Antenna Power Remark <table><tr><th>Limit</th><th>Read</th><th>Ant. Cable Preamp</th><th>Loss Factor</th><th>Antenna</th><th>Power</th><th>Remark</th></tr><tr><th>Freq. Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>dB</th><th>dB</th><th>dBm</th></tr><tr><td>1 5044.02</td><td>53.79</td><td>74.00</td><td>-22.21</td><td>32.92</td><td>16.17</td><td>8.34</td><td>72.00</td><td>100</td><td>NO PEAK</td></tr></table>	Limit	Read	Ant. Cable Preamp	Loss Factor	Antenna	Power	Remark	Freq. Level	Line Margin	Level Factor	Loss Factor	dB	dB	dBm	1 5044.02	53.79	74.00	-22.21	32.92	16.17	8.34	72.00	100	NO PEAK	 Level (dBm/Hz) Frequency (MHz) Limit Read Ant. Cable Preamp Loss Factor Antenna Power Remark <table><tr><th>Limit</th><th>Read</th><th>Ant. Cable Preamp</th><th>Loss Factor</th><th>Antenna</th><th>Power</th><th>Remark</th></tr><tr><th>Freq. Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>dB</th><th>dB</th><th>dBm</th></tr><tr><td>1 5306.00</td><td>54.22</td><td>74.00</td><td>-19.78</td><td>31.40</td><td>21.42</td><td>4.17</td><td>54.93</td><td>100</td><td>NO PEAK</td></tr><tr><td>2 5310.00</td><td>87.00</td><td>-----</td><td>-----</td><td>24.50</td><td>16.02</td><td>9.12</td><td>12.64</td><td>100</td><td>NO PEAK</td></tr></table>	Limit	Read	Ant. Cable Preamp	Loss Factor	Antenna	Power	Remark	Freq. Level	Line Margin	Level Factor	Loss Factor	dB	dB	dBm	1 5306.00	54.22	74.00	-19.78	31.40	21.42	4.17	54.93	100	NO PEAK	2 5310.00	87.00	-----	-----	24.50	16.02	9.12	12.64	100	NO PEAK
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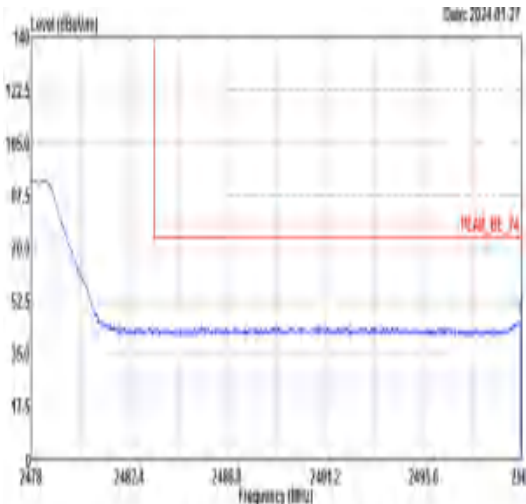
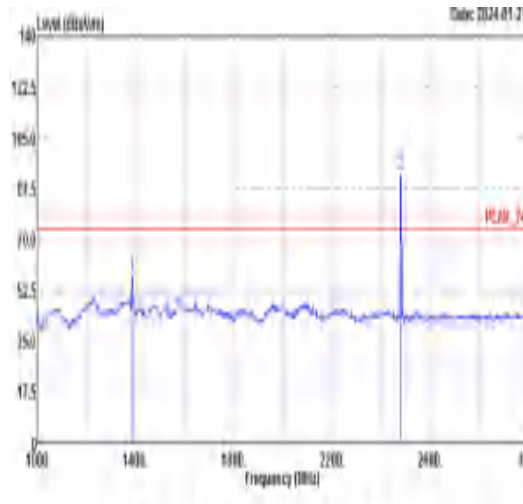
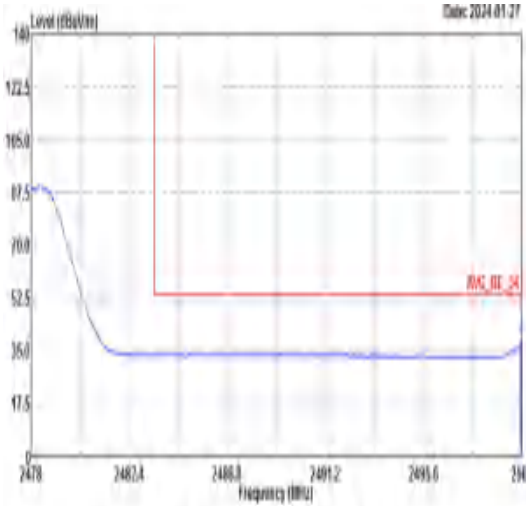
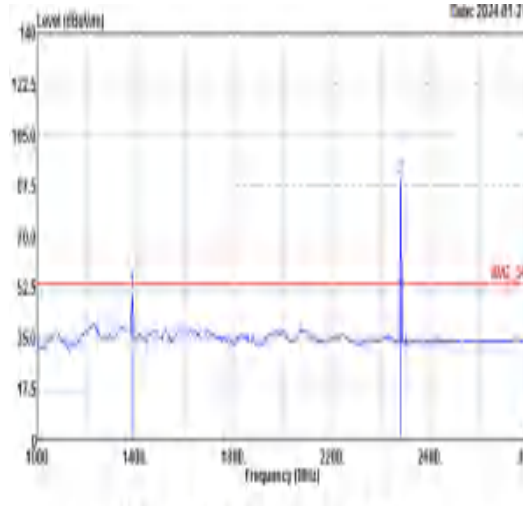


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Mode	105	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11ac_VHT40_CH62_Full_5310MHz+ Bluetooth LE_CH38_2478MHz	
ANT	CDD 0+1	
Pol.	Horizontal	Vertical
Peak Avg		

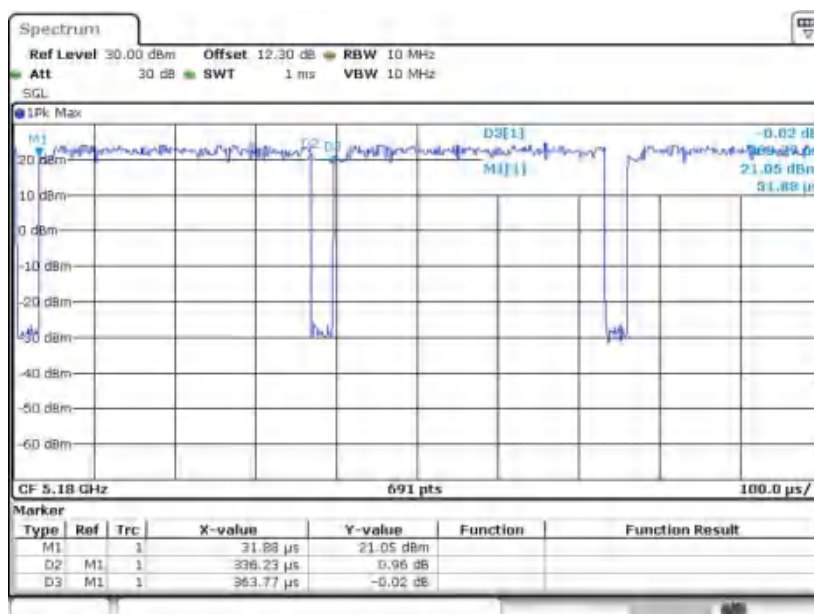
Note: For all plots above, the over limit line signals are Fundamental signal which can be ignored.



Appendix D. Duty Cycle Plots

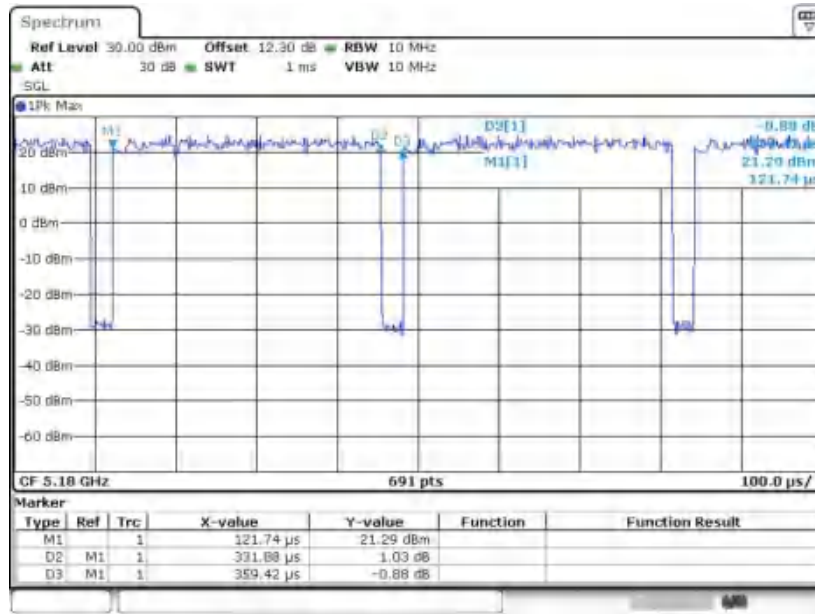
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	92.43	0.336	2.974	3KHz
802.11ac VHT20	92.34	0.332	3.013	10KHZ
802.11ac VHT40	86.71	0.180	5.565	10KHZ
802.11ac VHT80	79.12	0.104	9.583	10KHZ
802.11ax HE20	90.86	0.274	3.651	10KHZ
802.11ax HE40	85.72	0.165	6.053	10KHZ
802.11ax HE80	80.41	0.113	8.846	10KHZ

802.11a

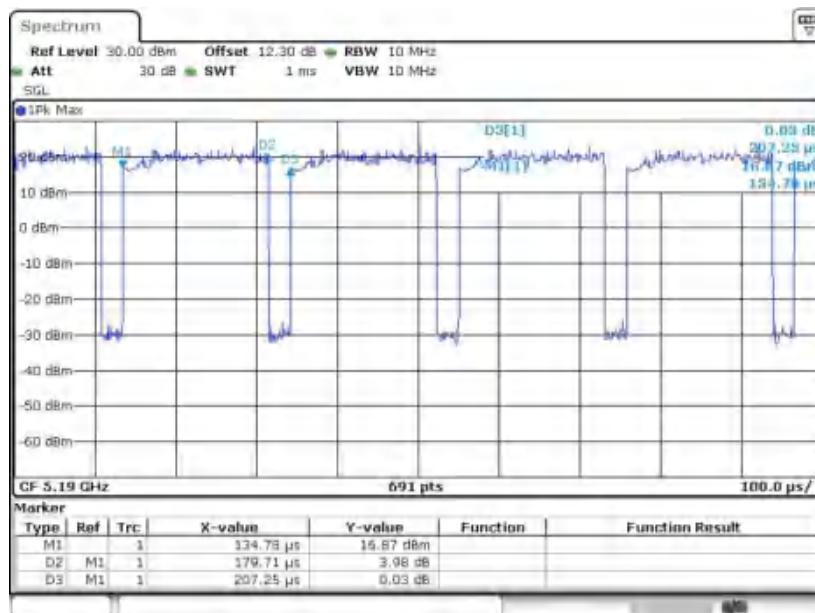




802.11ac VHT20

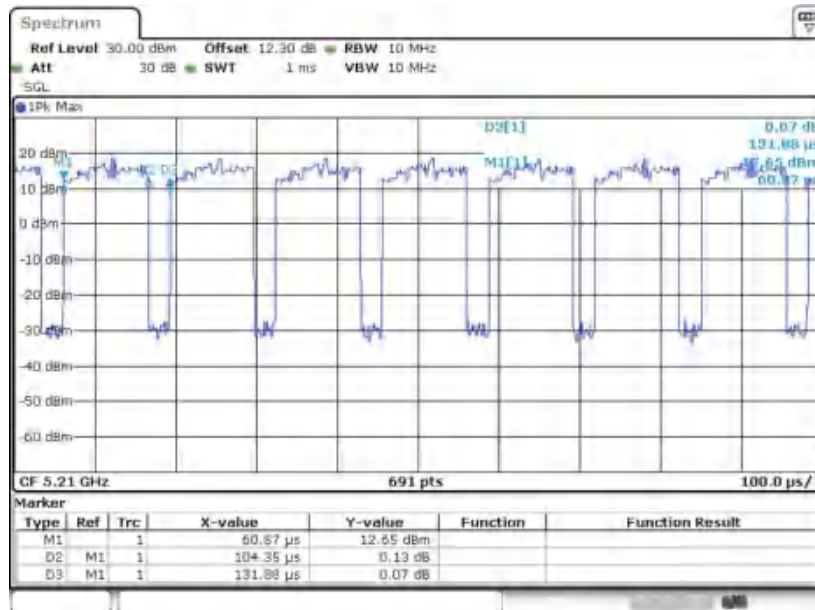


802.11ac VHT40

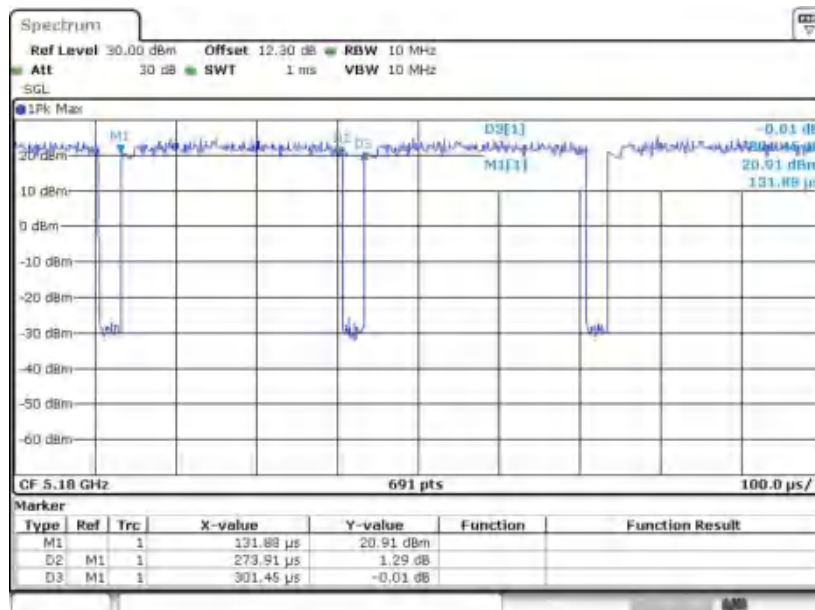




802.11ac VHT80

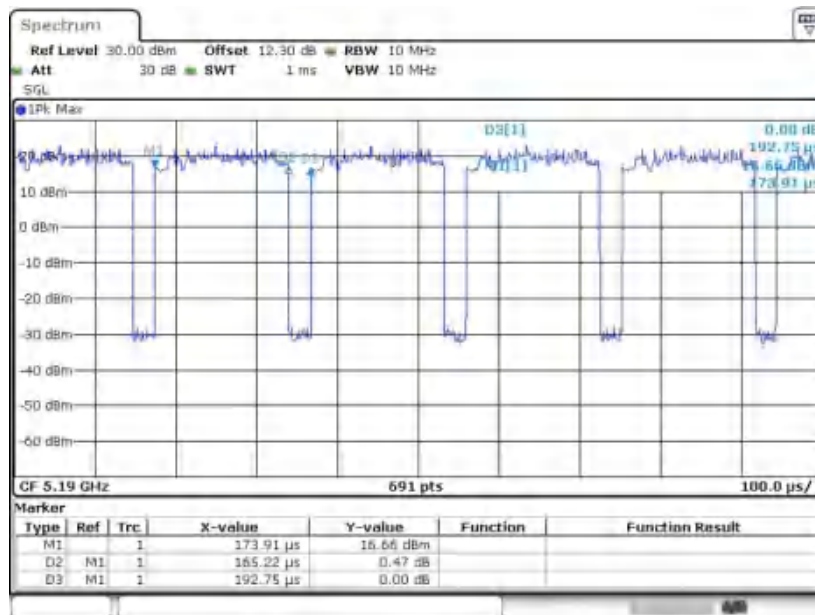


802.11ax HE20

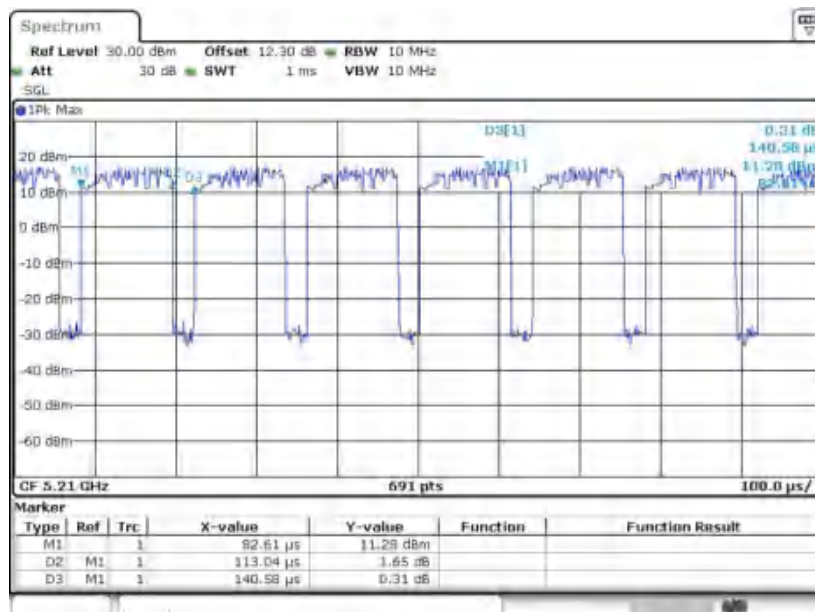




802.11ax HE40



802.11ax HE80





Appendix E. Setup Photographs

<Conducted Emission>

Remote View



Rear View

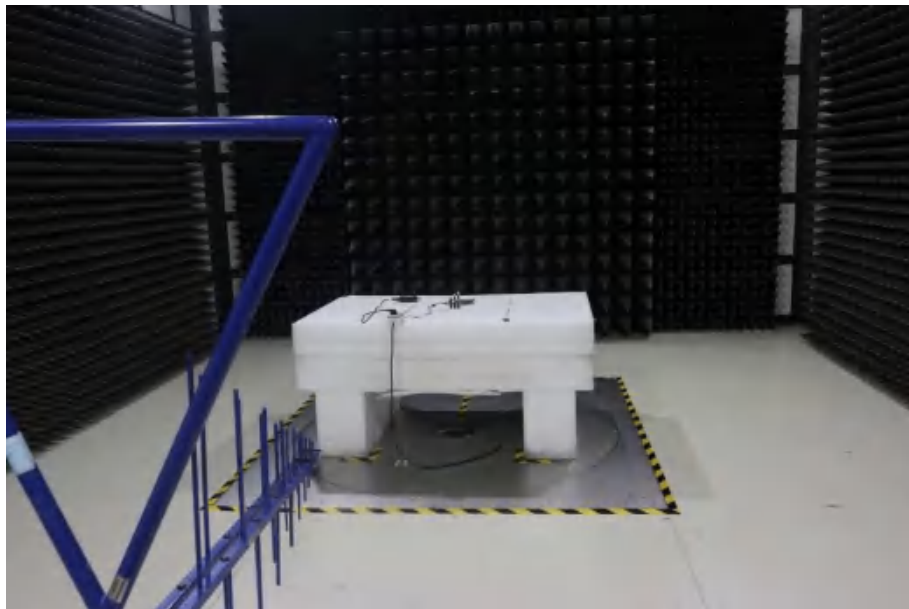




<Radiated Emission>

X Plane

LF



HF

