

TEST REPORT

Report Number: 15496240-E7V3

Applicant : APPLE INC.
1 APPLE PARK WAY
CUPERTINO, CA 95014, U.S.A.

Model : A3522

Brand : APPLE

FCC ID : BCG-E8957A

EUT Description : SMARTPHONE

Test Standard(s) : FCC 47 CFR PART 15 SUBPART E

Date Of Issue:
2025-08-02

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2025-07-15	Initial Review	Tony Li
V2	2025-07-28	Addressed TCB Feedback on sections 1, 6, and 10	Tony Li
V3	2025-08-02	Addressed TCB Feedback on Section 9	Benjamin Dobbins

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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPLE INC. 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.
Model	A3522
Brand	APPLE
FCC ID	BCG-E8957A
EUT Description	SMARTPHONE
Serial Number (Variant)	C07HG60000Q0000X9F (Conducted) V24GPNR406 (Radiated)
Serial Number (Reference)	C07HC90002Z0000X9L (Conducted) HC6YLC6QDY (Radiated)
Sample Receipt Date	2025-06-04
Date Tested	2025/03/07 to 2025/07/18
Applicable Standards	CFR 47 Part 15 Subpart E
Test Results	COMPLIES
UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested can demonstrate compliance with the requirements as documented in this report. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not considered unless noted otherwise. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document	
Approved & Released By:	Prepared & Reviewed By:
	
Francisco de Anda Staff Engineer UL Verification Services, Inc.	Tony Li, Benjamin Dobbins Lead Test Engineer, Senior Test Engineer UL Verification Services, Inc.

2. TEST RESULT SUMMARY

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for correctly integrating customer-provided data with measurements performed by UL Verification Services Inc.

Below is a list of the data provided by the customer:

1. Antenna gain and type (see section 6.3)
2. Cable loss (see section 6.3)

FCC Clause	Requirement	Result	Comment
See Comment	Duty Cycle	Reporting purposes only	Per ANSI C63.10, Section 12.2.
See Comment	26dB BW/99% OBW	Reporting purposes only	Per ANSI C63.10 Sections 6.9.2 and 6.9.3
15.407 (e)	6 dB BW	Complies	Per ANSI C63.10, Section 12.5.1
15.407 (a) (1 & 3)	Output Power	Complies	Per ANSI C63.10, Section 12.4.3.2
15.407 (a) (1 & 3)	PSD	Complies	Per ANSI C63.10, Section 12.6
15.209, 15.205, 15.407 (b)	Radiated Emissions	Complies	Per ANSI C63.10, Section 12.7
15.207	AC Mains Conducted Emissions	Complies	Per ANSI C63.10, Section 6.2

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with:

- *ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024
- FCC 47 CFR Part 2
- FCC 47CFR Part 15
- FCC KDB 414788 D01 Radiated Test Site
- FCC KDB 662911 D01 Multiple Transmitter Output
- FCC KDB 789033 D02 General UNII Test Procedures New Rules

*Note: The use of ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 does not deviate from the testing procedures of ANSI C63.10-2020

4. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, certification #0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☒	Building 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	550739
☒	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA			
☐	Building 3: 843 Auburn Court, Fremont, CA 94538, USA			
☒	Building 4: 47658 Kato Rd, Fremont, CA 94538, USA			
☒	Building 5: 47670 Kato Rd, Fremont, CA 94538, USA			

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

5.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U _{LAB}
Conducted Antenna Port Emission Measurement	1.94 dB
Power Spectral Density	2.47 dB
Time Domain Measurements Using SA	3.39 %
RF Power Measurement Direct Method Using Power Meter	1.3 dB (Peak), 0.45 dB (Ave)
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.22%
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.78 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.40 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.87 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	6.01 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.51 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.29 dB

Uncertainty figures are valid to a confidence level of 95%.

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)

36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:

Final Voltage (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Limiter Factor (dB) + LISN Insertion Loss.

36.5 dBuV + 0 dB + 10.1 dB + 0 dB = 46.6 dBuV

6. EQUIPMENT UNDER TEST

6.1. EUT DESCRIPTION

The Apple iPhone is a smartphone with cellular GSM, GPRS, EGPRS, WCDMA, LTE, 5G NR1, IEEE 802.11a/b/g/n/ac/ax/be, Bluetooth (BT), Ultra-Wideband (UWB), Global Positioning System (GPS), Near-Field Communication (NFC), Narrow-Band (NB) UNII, 802.15.4, 802.15.4ab-Narrow Band (NB), Wireless Power Transfer (WPT) and Mobile Satellite Service (MSS) technologies. The rechargeable battery is not user accessible.

This report covers the NB UNII-1 and UNII-3 bands.

6.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum conducted output power as follows:

UNII-1 Frequency Range (MHz)	Mode	Antenna	Configuration	Output Power (dBm)	Output Power (mW)
5162 - 5245	BDR	Ant 6	High Power	10.18	10.42
			Low Power	2.44	1.75
		Ant 5	High Power	10.17	10.40
			Low Power	2.68	1.85
		BF, Ant 6 + Ant 5	High Power	10.19	10.45
			Low Power	5.55	3.59
5162 - 5245	LE1M	Ant 6	High Power	10.23	10.54
			Low Power	2.46	1.76
		Ant 5	High Power	10.27	10.64
			Low Power	2.68	1.85
		BF, Ant 6 + Ant 5	High Power	10.27	10.64
			Low Power	5.56	3.60
5162 - 5245	LE2M	Ant 6	High Power	11.15	13.03
			Low Power	2.45	1.76
		Ant 5	High Power	11.17	13.09
			Low Power	2.68	1.85
		BF, Ant 6 + Ant 5	High Power	11.17	13.09
			Low Power	5.59	3.62
5162 - 5245	HDT4	Ant 6	High Power	12.68	18.54
			Low Power	-0.55	0.88
		Ant 5	High Power	11.45	13.96
			Low Power	-0.32	0.93
		BF, Ant 6 + Ant 5	High Power	12.59	18.16
			Low Power	2.59	1.82
5162 - 5245	HDT6	Ant 6	High Power	10.97	12.50
			Low Power	-3.53	0.44
		Ant 5	High Power	12.47	17.66
			Low Power	-3.32	0.47
		BF, Ant 6 + Ant 5	High Power	12.54	17.95
			Low Power	-0.42	0.91
5162 - 5245	HDRPS2	Ant 6	High Power	12.26	16.83
			Low Power	-0.51	0.89
		Ant 5	High Power	12.25	16.79
			Low Power	-0.33	0.93
		BF, Ant 6 + Ant 5	High Power	12.28	16.90
			Low Power	2.60	1.82
5162 - 5245	XHDRPM8	Ant 6	High Power	13.95	24.83
			Low Power	-0.51	0.89
		Ant 5	High Power	14.46	27.93
			Low Power	-0.31	0.93
		BF, Ant 6 + Ant 5	High Power	15.17	32.89
			Low Power	2.60	1.82
5164 - 5242	HDRPL16	Ant 6	High Power	13.97	24.95
			Low Power	-0.51	0.89
		Ant 5	High Power	14.47	27.99
			Low Power	-0.32	0.93
		BF, Ant 6 + Ant 5	High Power	17.21	52.60
			Low Power	2.60	1.82

UNII-3 Frequency Range (MHz)	Worst-Case Mode	Antenna	Configuration	Output Power (dBm)	Output Power (mW)
5733 - 5844	BDR	Ant 6	High Power	19.14	82.04
			Low Power	2.98	1.99
		Ant 5	High Power	19.46	88.31
			Low Power	3.18	2.08
		BF, Ant 6 + Ant 5	High Power	22.26	168.27
			Low Power	6.09	4.06
5733 - 5844	LE1M	Ant 6	High Power	19.14	82.04
			Low Power	2.98	1.99
		Ant 5	High Power	19.48	88.72
			Low Power	3.18	2.08
		BF, Ant 6 + Ant 5	High Power	22.30	169.82
			Low Power	6.06	4.04
5733 - 5844	LE2M	Ant 6	High Power	19.14	82.04
			Low Power	2.97	1.98
		Ant 5	High Power	19.48	88.72
			Low Power	3.11	2.05
		BF, Ant 6 + Ant 5	High Power	22.29	169.43
			Low Power	6.04	4.02
5733 - 5844	HDT4	Ant 6	High Power	14.13	25.88
			Low Power	-0.03	0.99
		Ant 5	High Power	14.48	28.05
			Low Power	0.14	1.03
		BF, Ant 6 + Ant 5	High Power	17.31	53.83
			Low Power	3.06	2.02
5733 - 5844	XHDRPS2	Ant 6	High Power	14.15	26.00
			Low Power	-0.02	1.00
		Ant 5	High Power	14.47	27.99
			Low Power	0.18	1.04
		BF, Ant 6 + Ant 5	High Power	17.32	53.95
			Low Power	3.08	2.03
5733 - 5844	XHDRPM8	Ant 6	High Power	14.18	26.18
			Low Power	-0.01	1.00
		Ant 5	High Power	14.45	27.86
			Low Power	0.16	1.04
		BF, Ant 6 + Ant 5	High Power	17.32	53.95
			Low Power	3.08	2.03
5733 - 5844	HDRPL16	Ant 6	High Power	14.13	25.88
			Low Power	-0.02	1.00
		Ant 5	High Power	14.46	27.93
			Low Power	0.13	1.03
		BF, Ant 6 + Ant 5	High Power	17.32	53.95
			Low Power	3.09	2.04

6.3. DESCRIPTION OF AVAILABLE ANTENNAS AND CABLE LOSS

The antenna(s) gain and type (PIFA), as provided by the manufacturer' are as follows:

Frequency Range (MHz)	Antenna 6 (dBi)	Antenna 5 (dBi)	Uncorrelated Chains (dBi)	Correlated Chains (dBi)
5150 - 5250 UNII - 1	-2.90	-6.20	-4.24	-1.38
5725 - 5825 UNII 3	2.00	-6.40	-0.42	1.79

Note: antenna C0 and antenna C1 indicated in power tune-up document pertain to Ant 6 and ANT 5 of this report respectively.

The SMA Cable Loss as provided by the manufacturer' are as follows:

Frequency Range (MHz)	Cable Loss	
	Antenna 6 (dBi)	Antenna 5 (dBi)
5150 - 5250 UNII - 1	-3.00	-2.60
5725 - 5825 UNII 3	-3.20	-2.80

Cable loss used for RF antenna port tests was included in offset of the test equipment during testing.

6.4. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was Luck23A256.

6.5. WORST-CASE CONFIGURATION AND MODE

The EUT was investigated in three orthogonal orientations X, Y and Z on ANT 6, ANT 5 and 2TX, it was determined that Y (Landscape) was the worst-case orientation for both ANT 6 and ANT 5. And Z (Portrait) orientation for 2TX beamforming.

For Radiated band edge test all test modes have been investigated with power setting equal or higher than FCC conducted SISO modes as worst-case scenario and no emissions at both lower and upper band edges were found.

For the radiation spurious harmonics testing, we have investigated both SISO and MIMO modes under low power and high power, only high power mode data is included in report, as this represents the worst case.

For radiated harmonics spurious below 1GHz, 1-18GHz L/M/H channels, 18-26GHz, 26-40GHz and power line conducted emissions were performed with the EUT set at the 2TX BF at high power mode with power setting equal or higher than SISO modes as worst-case scenario.

Below 1GHz tests were performed with EUT connected to AC power adapter as the worst case; and for above 1GHz tests, the worst-case configuration reported was with EUT only. There were no emissions found below 30MHz within 20dB of the limit. For AC line conducted emission, test was investigated with AC power adapter and with laptop.

After the investigation, the worst case of power and PSD modes selecting for test are as table shown below.

5G		UNII-1			UNII-3		
Mode	Modulation	Frequency Range (MHz)	Worst Case Tone		Frequency Range (MHz)	Worst Case Tone	
			Power	PSD		Power	PSD
BT5G	BDR	5162-5245	X	X	5733-5844	X	X
	EDR2	N5			N5		
	EDR3						
LE	LE Adv	5162-5245			5733-5844		
	LE1M		X	X		X	X
	LELR8						
	LELR2						
	LE2M	5162-5245	X	X	5733-5844	X	X
	HDT2	5162-5245			5733-5844		
	HDT3						
	HDT4		X	X		X	X
	HDT6		X	X			
	HDT8						
HDR	HDR4	5162-5245			5733-5844		
	HDRPS2		X	X			
	XHDRPS2					X	X
	HDR8	5162-5245			5733-5844		
	HDRPM4						
	HDRPM6						
	HDRPM8						
	XHDRPM4						
	XHDRPM6						
	XHDRPM8		X	X		X	X
	HDRPM12						
	HDRPM16						
	XHDRPM12						
	XHDRPM16						
	HDRPL8	5164-5242			5733-5844		
	HDRPL12						
	HDRPL16		X	X		X	X
	XHDRPL8						
	XHDRPL12						
	XHDRPL16						
	HDRPL24						
	HDRPL32						
	XHDRPL24						
	XHDRPL32						

6.5.1. REUSE STATEMENT AND COMPARISON TABLE

The maximum output power for reference model A3256 (FCC ID: BCG-E8949A) and variant models A3522 (FCC ID: BCG-E8957A) are identical across all power tables for ANT6 and ANT5. The only difference is antenna gain increased on ANT6.

As there is no change in output power between parent model and variant model, all conducted data from the reference model is reused for this variant model. Spotchecks to verify output power is the same for the variant model compared reference model is included in Appendix A.

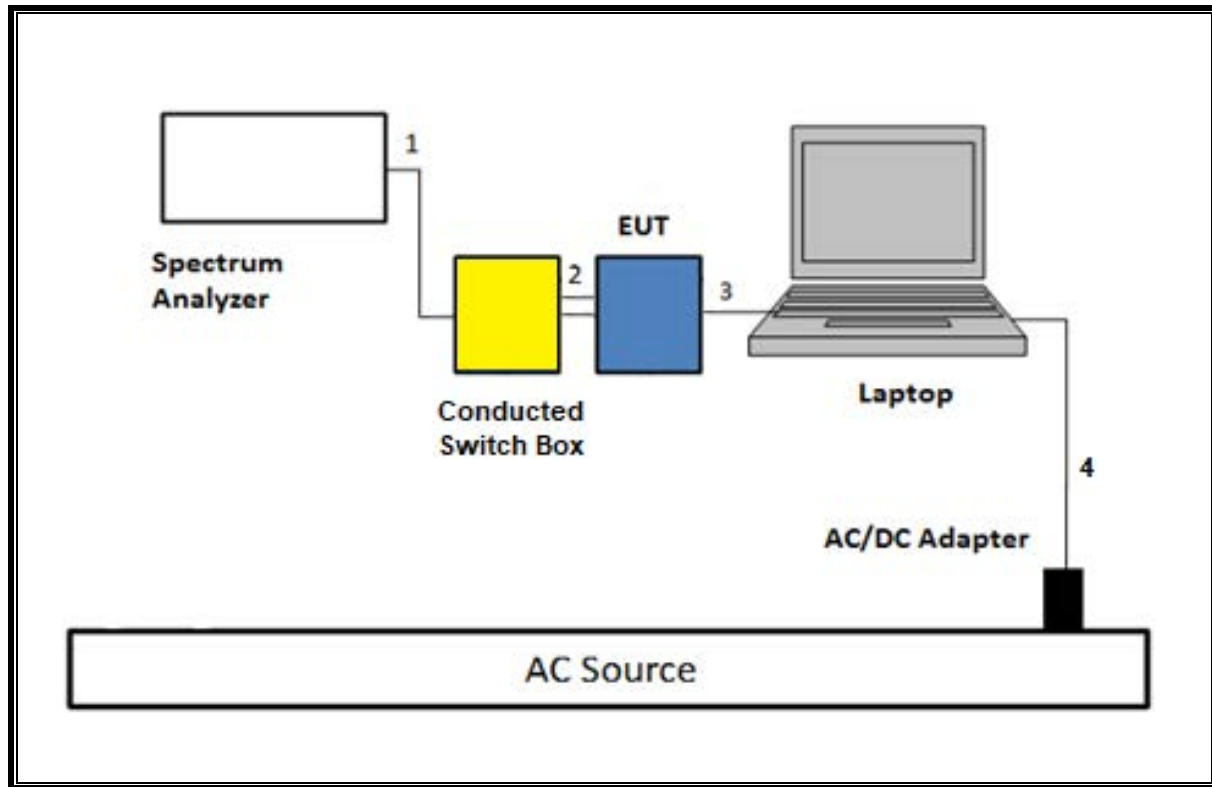
Radiated measurements are also reusing the reference model data for the antenna 5 SISO modes supported by spotchecks in Appendix A. Radiated measurements are repeated in full on the variant model for the band edge and spurious emissions in the 1 – 18GHz frequency range for the antenna 6 SISO modes and for the MIMO modes. After investigation, it was confirmed that the emissions remained the same as those for the reference model and were either below the noise floor (above 18GHz) or were limited to non-transmitter-related emissions (below 1GHz).

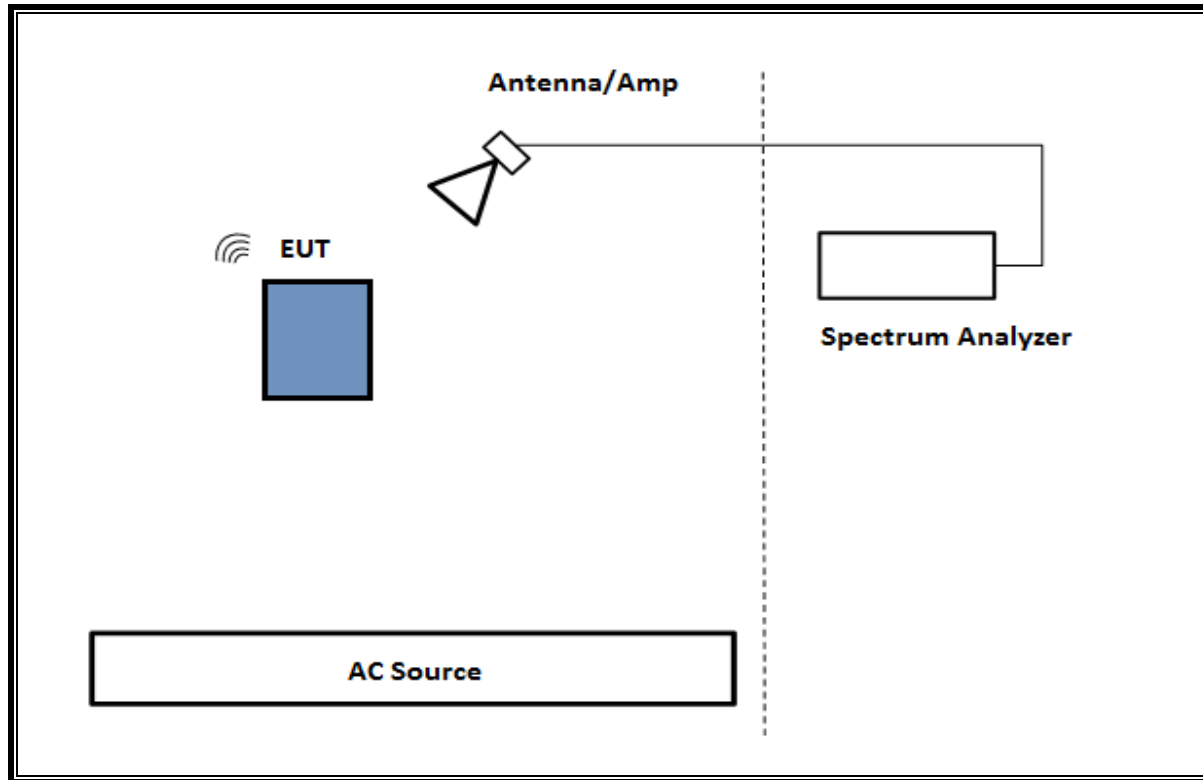
6.6. DESCRIPTION OF TEST SETUP

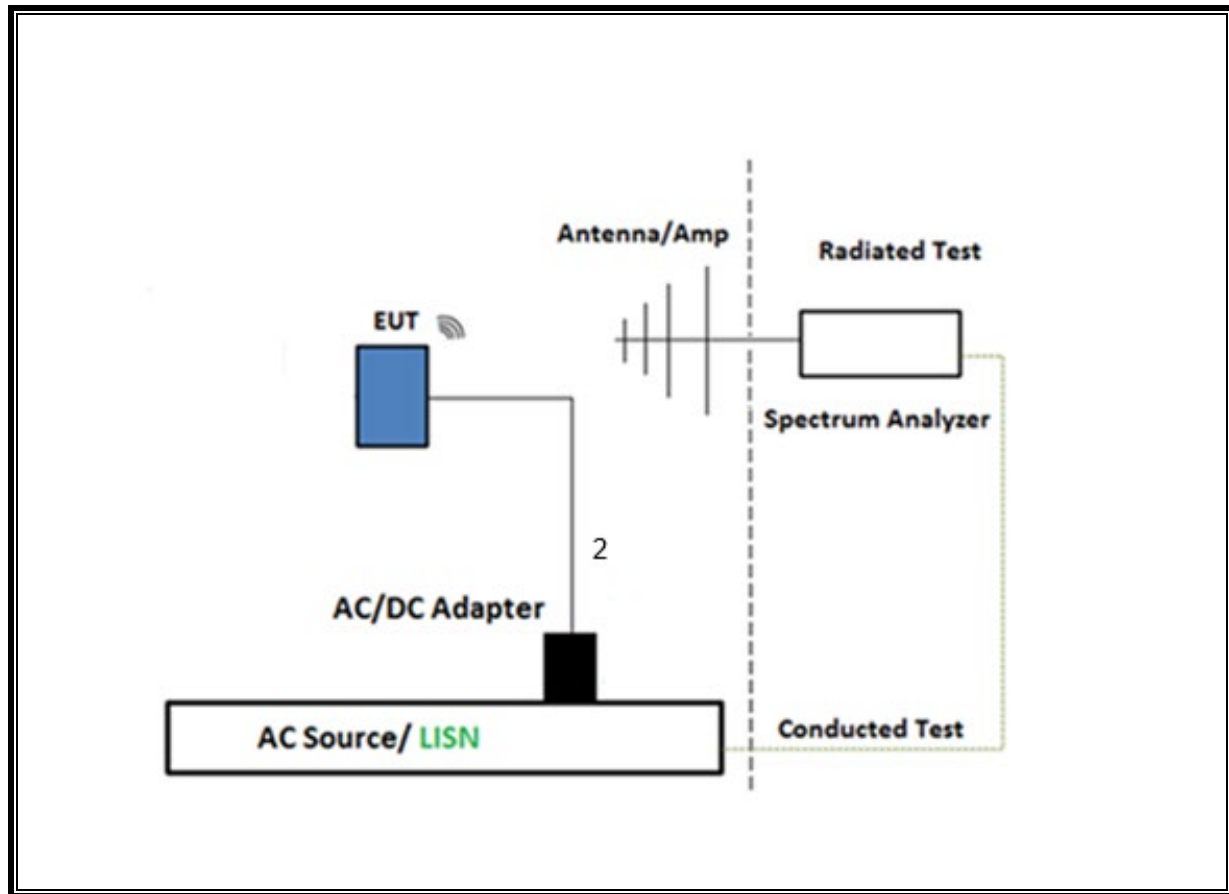
SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number		FCC ID/ DoC
Laptop		Apple	Macbook	G2YKJ9LWH5		N/A
Laptop AC/DC adapter		Apple	N/A	C4H238408AEPM0WAS		DoC
EUT AC/DC adapter		Apple	N/A	C4H238505ARPM0WAP		DoC
Conducted Switch Box		UL	N/A	245782		N/A
I/O CABLES (RF CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	SMA	1	SMA	Shielded	0.2	To spectrum Analyzer
2	Antenna	2	SMA	Shielded	0.2	EUT to Switchbox
3	USB	1	USB-C	Shielded	1.0	N/A
4	DC	1	DC	Shielded	2	N/A
I/O CABLES (RF RADIATED AND AC LINE CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC	1	DC	Shielded	2	N/A
2	USB	1	USB-C	Shielded	1	N/A

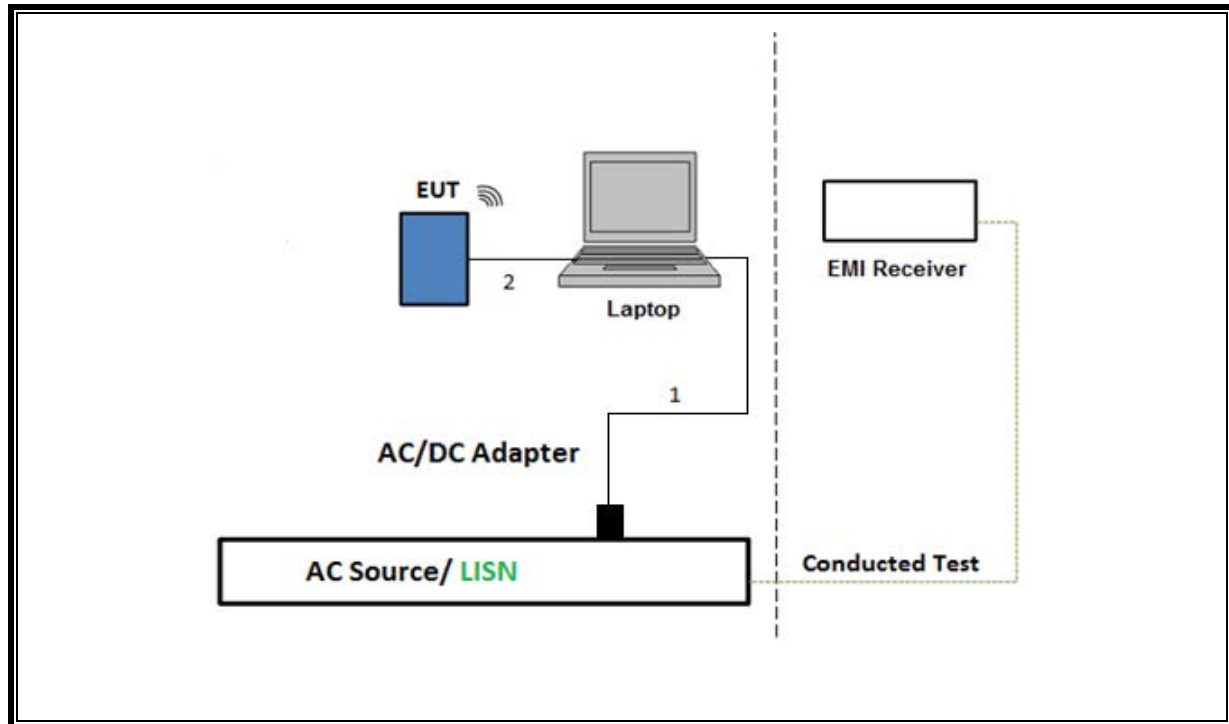
TEST SETUP

The EUT setup is shown as below. Test software exercised the radio card.

SETUP DIAGRAM FOR CONDUCTED TESTS

SETUP DIAGRAM FOR RADIATED TESTS Above 1 GHz

SETUP DIAGRAM FOR Below 1GHz and AC LINE CONDUCTED TEST

TEST SETUP- AC LINE CONDUCTED: LAPTOP CONFIGURATION

7. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Description	Manufacturer	Model	ID Num	Cal Due
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A-544	90238	2026-01-31
Spectrum Analyzer, PXA, 3Hz to 50GHz w/Ext. Mixer	Keysight Technologies Inc	N9030A	80400	2026-01-31
Power Meter, P-series single channel	Keysight Technologies Inc	N1911A	90718	2026-03-31
Power Sensor, P - series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1921A	257704	2026-03-31
RF Device, Switch	UL	CSB	245262	2026-04-30
RF Device, Switch	UL	CSB	262287	2026-04-30
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A-544	90238	2026-03-31
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	79834	2026-07-31
RF Filter Box, 1-18GHz	UL-FR1	Frankenstein	237597	2025-10-31
EMI Test Receiver	Rohde & Schwarz	ESW44	169935	2026-02-27
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	226674	2027-03-31
RF Filter Box, 1-18GHz	UL-FR1	RATS 1.0	250156	2025-10-31
EMI Test Receiver	Rohde & Schwarz	ESW44	225683	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	80430	2026-09-30
RF Filter Box, 1-18GHz	UL-FR1	Frankenstein	224478	2026-01-31
EMI Test Receiver	Rohde & Schwarz	ESW44	201499	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	222741	2026-09-30
RF Filter Box, 1-18GHz	UL-FR1	Frankenstein	217521	2025-08-31
EMI Test Receiver	Rohde & Schwarz	ESW44	223461	2026-02-28
Antenna, Broadband Hybrid 30 MHz - 2 or 3 GHz	Sunol Sciences Corp.	JB3	204044	2026-03-31
Link File, @3m, 9kHz-1000MHz Hybrid Path Loss	UL-FR1	Port 0 Factors	226862	2026-05-31
Antenna, Horn 18-26.5GHz	A.R.A	MWH-1826/B	81139	2025-08-31
Link File, RF Amplifier Assembly, 18-26.5GHz, 60dB Gain	Amplical	AMP18G26.5-60	220194	2026-04-29
Antenna, Horn 26.5-40GHz	A.R.A	MWH-2640/B	172367	2026-07-31
Link File, RF Amplifier Assembly, 26.5-40GHz, 65dB Gain	Amplical	AMP26G40-65	220537	2025-07-31
Antenna, Horn 1-18GHz	ETS-Lindgren (Cedar Park, Texas)	3117	41112	2025-10-31
RF Filter Box, 1-18GHz, 7 port Simplified	UL-FR1	F3A, 3Amplifier, Rats3 simplified version	243707	2026-04-30
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169927	2026-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	222740	2026-09-26
RF Filter Box, 1-18GHz	UL-FR1	NA	171389	2026-03-30
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	201497	2026-02-28
Antenna, Passive Loop 30Hz-1MHz	Electro-Metrics	EM-6871	170013	2026-09-30
Antenna, Passive Loop 100kHz-30MHz	Electro-Metrics	EM-6872	170015	2026-09-30

AC Line Conducted				
Description	Manufacturer	Model	ID Num	Cal Due
EMI Test Receiver 9kHz-7GHz	Rohde & Schwarz	ESR	171646	2026-02-28
LISN for Conducted Emissions CISPR-16	Fischer Custom Communications	FCC-LISN-50/250-25- 2-01-480V	175765	2026-01-31
Transient Limiter	TE	TBFL1	207996	2025-09-30
UL AUTOMATION SOFTWARE				
Conducted Software	UL	Antenna Port	Ver 2022.8.16	
Conducted Software	UL	Station Tool	Ver 1.0, 4.1, 5.2, & 5.3	
Radiated Software	UL	UL EMC	Ver 9.5, May 1 , 2023	
AC Line Conducted Software	UL	UL EMC	Ver 9.5, Mar 3, 2023	

*Testing was completed before equipment calibration date

8. MEASUREMENT METHODS

On Time and Duty Cycle: KDB 789033 D02, Section B.

6 dB Emission BW: KDB 789033 D02, Section C.2

26 dB Emission BW: KDB 789033 D02, Section C.1

99% Occupied BW: KDB 789033 D02, Section D.

Conducted Output Power: KDB 789033 D02

Power Spectral Density: KDB 789033 D02, Section F

Unwanted emissions in restricted bands: KDB 789033 D02, Sections G.3, G.4, G.5, and G.6.

Unwanted emissions in non-restricted bands: KDB 789033 D02, Sections G.3, G.4, and G.5.

AC Power Line Conducted Emissions: ANSI C63.10-2020, Section 6.2.

Radiated Spurious Emissions Below 30MHz: ANSI C63.10-2020 Section 6.4

9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

PROCEDURE

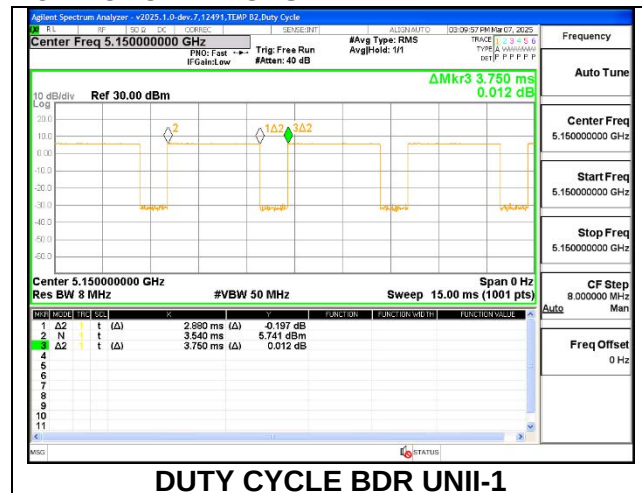
ANSI C63.10, Section 12.2: Zero-Span Spectrum Analyzer Method.

ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time T (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)
BDR	2.88	3.75	0.768	76.8	1.15	0.347
LE1M	2.12	2.50	0.848	84.8	0.72	0.472
LE2M	1.07	1.88	0.571	57.1	2.44	0.935
HDT4	1.10	1.18	0.934	93.4	0.30	0.908
HDT6	0.76	0.83	0.906	90.6	0.43	1.323
HDRPS2	16.15	17.50	0.923	92.3	0.35	0.062
XHDRPS2	32.30	32.50	0.994	99.4	0.00	0.010
XHDRPM8	8.07	8.76	0.921	92.1	0.36	0.124
HDRPL16	3.62	3.75	0.964	96.4	0.16	0.277

Note: The same DCCF is used for both 1TX and 2TX.

DUTY CYCLE PLOTS



9.2. 26 dB AND 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

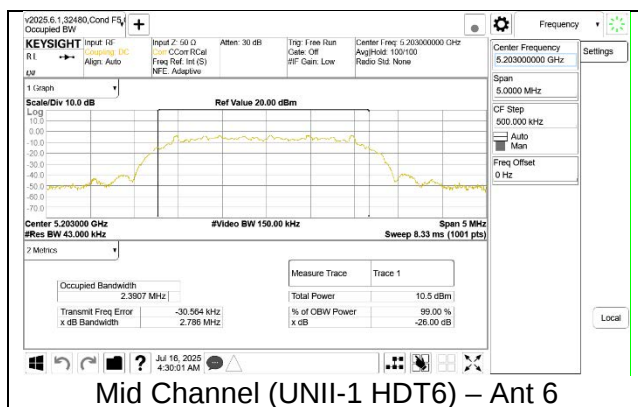
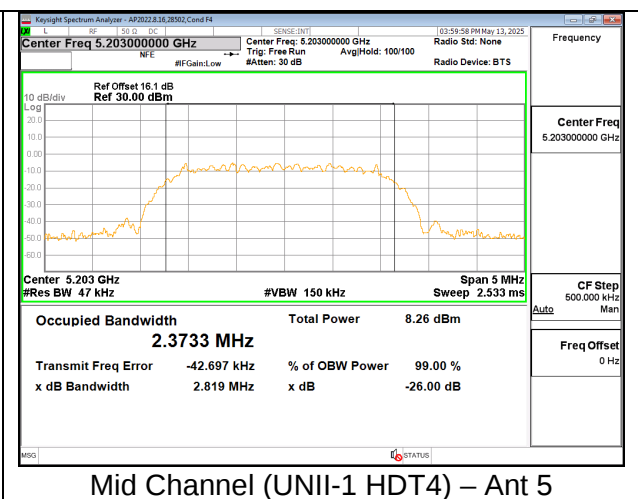
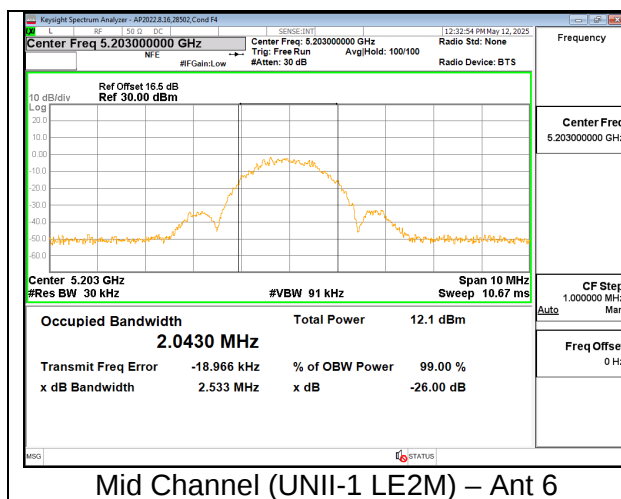
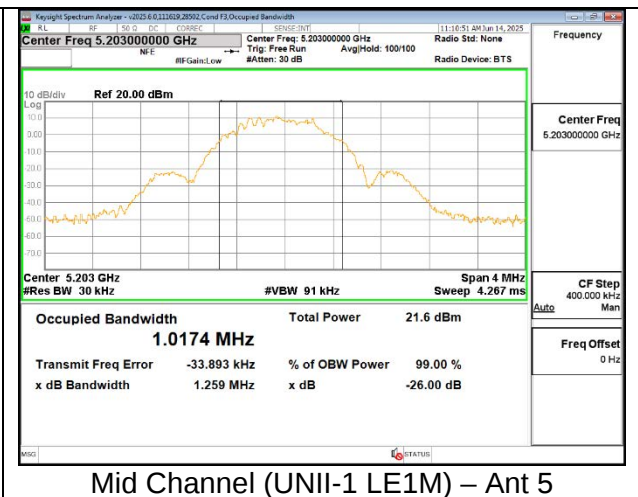
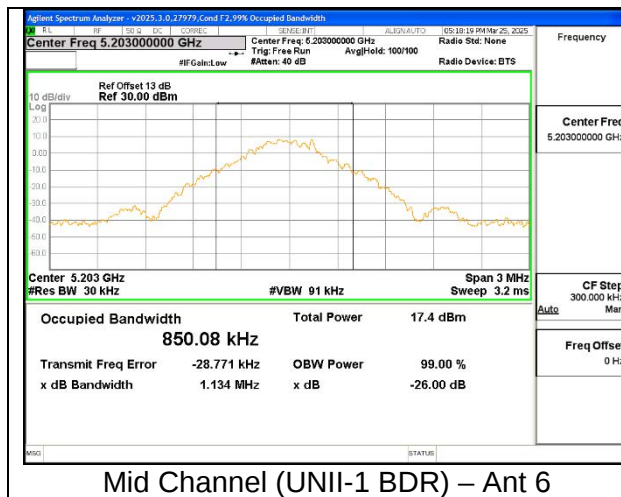
The transmitter output is connected to a spectrum analyzer. The RBW is set to $\geq 1\%$ of the 20 dB bandwidth. The VBW is set to $\geq 3 \times \text{RBW}$. The sweep time is coupled.

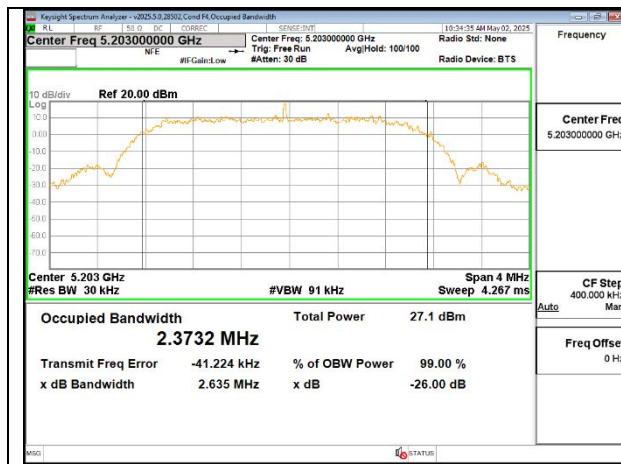
RESULTS

Only High Power modes result is reported, it covers all Low Power modes. Only Mid channel plot is reported to show setting parameter complies with testing method/procedure.

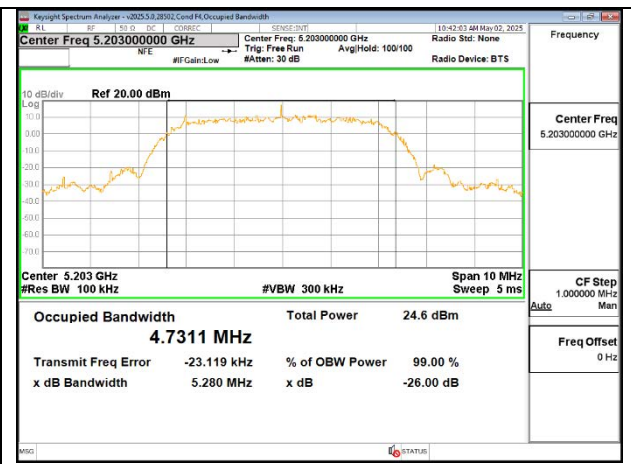
9.2.1. HIGH POWER SISO MODE

Worst-Case Mode (SISO)	Frequency (MHz)	Channel Number	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
			Ant 6	Ant 5	Ant 6	Ant 5
BDR	5162	Low	1.133	1.137	0.8657	0.8475
	5203	Mid	1.134	1.138	0.8500	0.8375
	5245	High	1.134	1.141	0.8556	0.8491
LE1M	5162	Low	1.260	1.259	1.0222	1.0138
	5203	Mid	1.262	1.259	1.0178	1.0174
	5245	High	1.256	1.261	1.0193	1.0182
LE2M	5162	Low	2.514	2.536	2.0353	2.0397
	5203	Mid	2.533	2.516	2.0430	2.0411
	5245	High	2.513	2.511	2.0323	2.0350
HDT4	5162	Low	2.817	2.816	2.3717	2.3760
	5203	Mid	2.813	2.819	2.3685	2.3733
	5245	High	2.815	2.816	2.3749	2.3730
HDT6	5162	Low	2.788	2.791	2.3954	2.3932
	5203	Mid	2.786	2.786	2.3907	2.3966
	5245	High	2.783	2.783	2.3915	2.3914
HDRPS2	5162	Low	2.673	2.758	2.3771	2.3650
	5203	Mid	2.635	2.745	2.3732	2.3625
	5245	High	2.725	2.759	2.3766	2.3734
XHDRPM8	5162	Low	5.396	5.492	4.7457	4.7394
	5203	Mid	5.539	5.280	4.7174	4.7311
	5245	High	5.325	5.527	4.7057	4.7257
HDRPL16	5164	Low	10.930	10.430	9.3929	9.3455
	5203	Mid	10.490	10.470	9.3034	9.3616
	5242	High	10.490	11.060	9.3566	9.4181

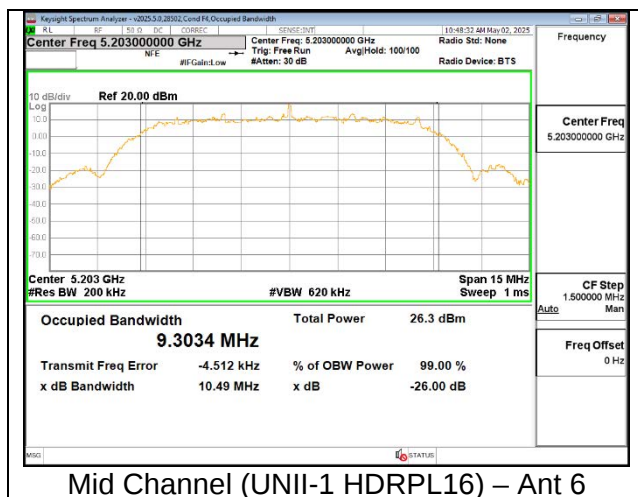




Mid Channel (UNII-1 HDRPS2) – Ant 6



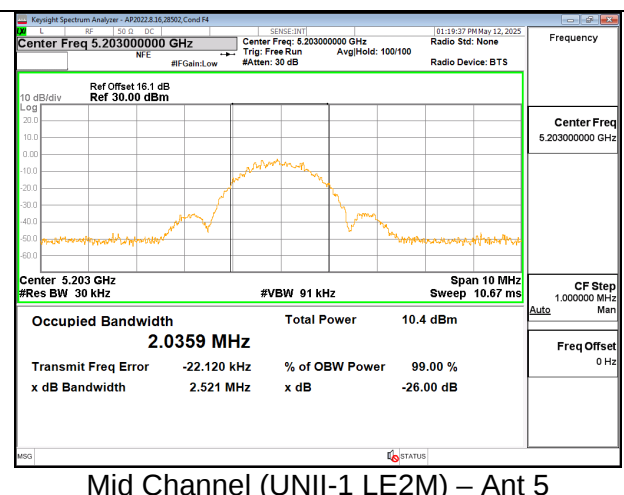
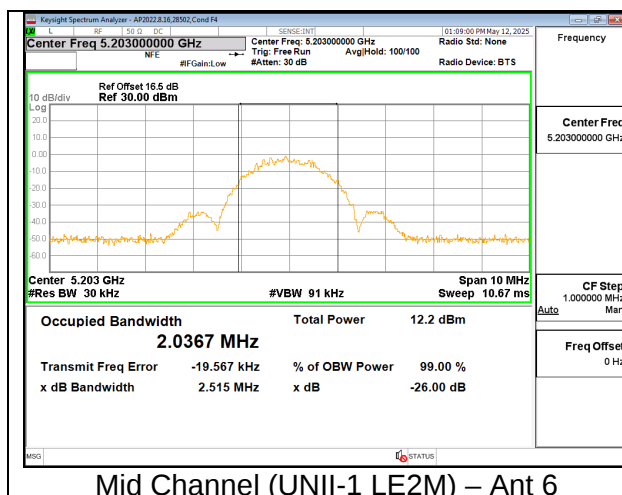
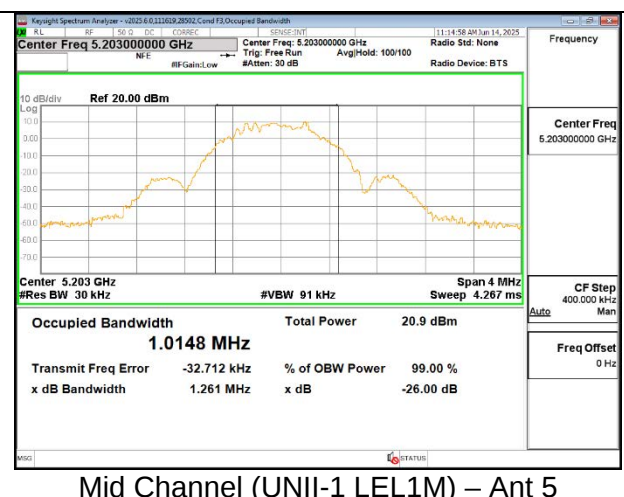
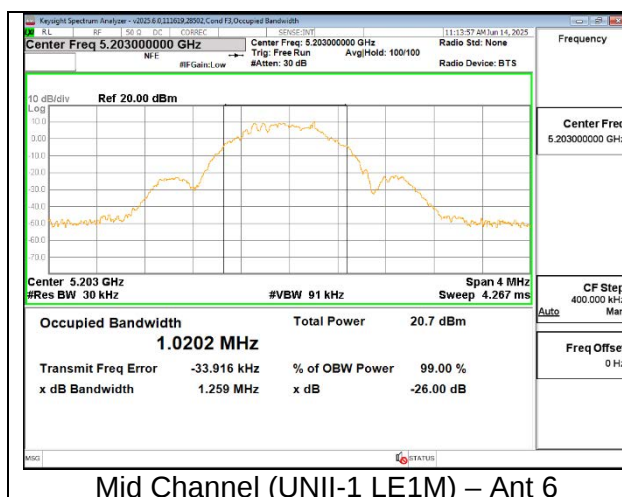
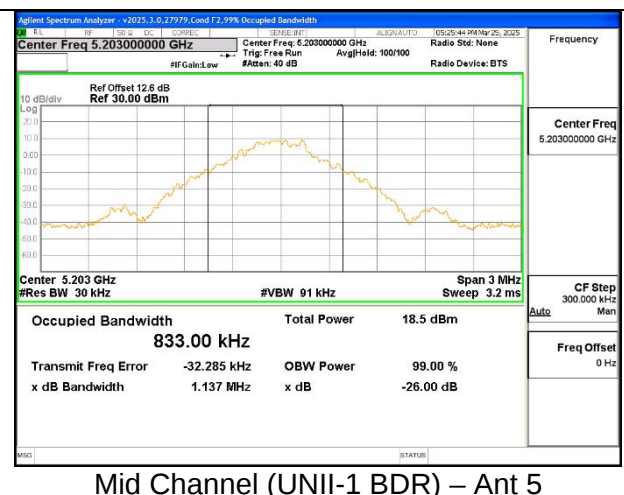
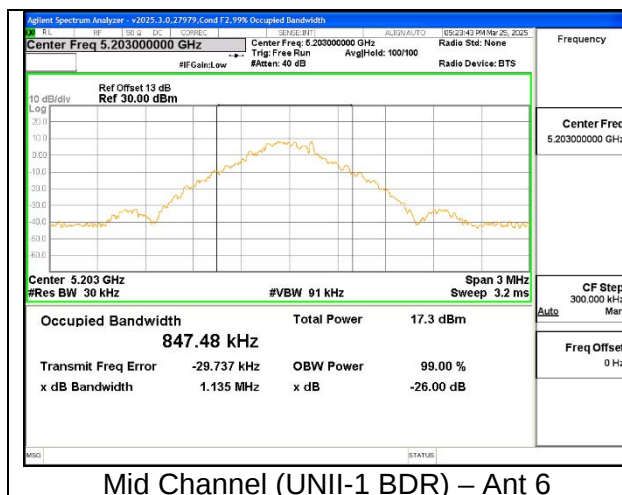
Mid Channel (UNII-1 XHDRPM8) – Ant 5

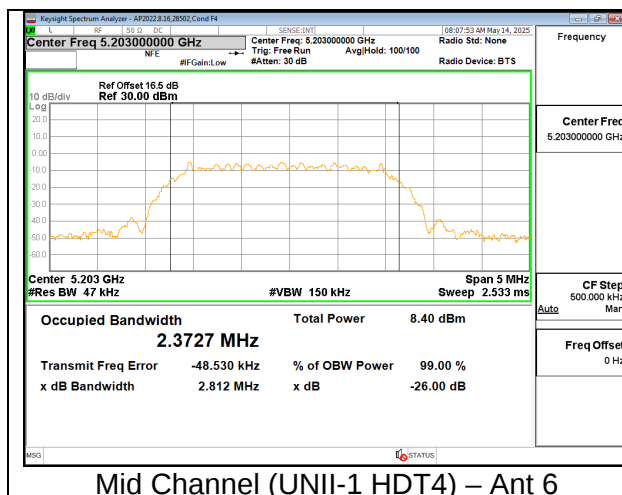


Mid Channel (UNII-1 HDRPL16) – Ant 6

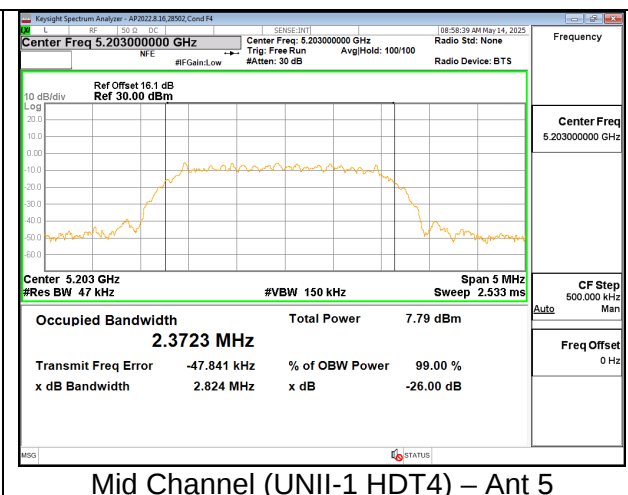
9.2.2. HIGH POWER TXBF MODE

Worst-Case Mode (TxBF)	Frequency (MHz)	Channel Number	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
			Ant 6	Ant 5	Ant 6	Ant 5
BDR	5162	Low	1.144	1.390	0.8560	0.8516
	5203	Mid	1.135	1.137	0.8474	0.8330
	5245	High	1.134	1.139	0.8648	0.8560
LE1M	5162	Low	1.258	1.257	1.0185	1.0220
	5203	Mid	1.259	1.261	1.0202	1.0148
	5245	High	1.259	1.260	1.0157	1.0195
LE2M	5162	Low	2.516	2.513	2.0349	2.0356
	5203	Mid	2.515	2.521	2.0367	2.0359
	5245	High	2.518	2.521	2.0380	2.0430
HDT4	5162	Low	2.821	2.812	2.3729	2.3743
	5203	Mid	2.812	2.824	2.3727	2.3723
	5245	High	2.823	2.818	2.3724	2.3709
HDT6	5162	Low	2.787	2.789	2.3928	2.3949
	5203	Mid	2.785	2.793	2.3910	2.3902
	5245	High	2.786	2.789	2.3918	2.3942
HDRPS2	5162	Low	2.742	2.765	2.3889	2.3783
	5203	Mid	2.762	2.770	2.3802	2.3838
	5245	High	2.641	2.749	2.3548	2.3808
XHDRPM8	5162	Low	5.533	5.317	4.7200	4.7117
	5203	Mid	5.418	5.544	4.7327	4.7459
	5245	High	5.533	5.333	4.7251	4.7186
HDRPL16	5164	Low	10.460	10.990	9.3495	9.4394
	5203	Mid	10.410	10.680	9.3270	9.3698
	5242	High	10.970	10.910	9.4417	9.4220

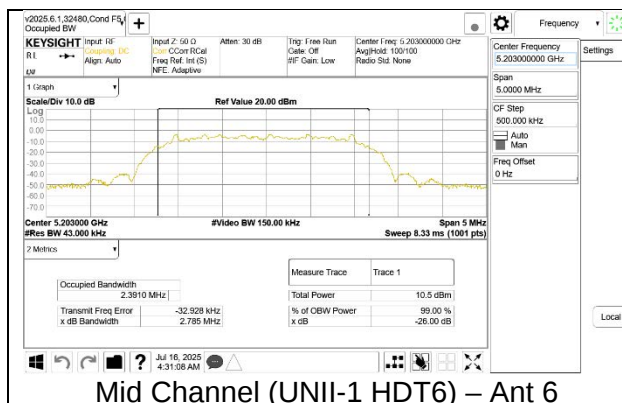




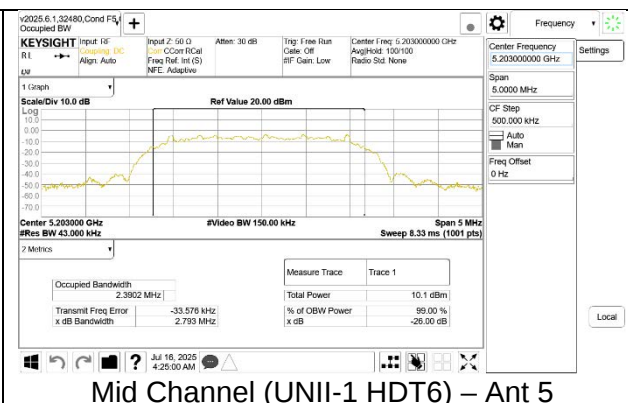
Mid Channel (UNII-1 HDT4) – Ant 6



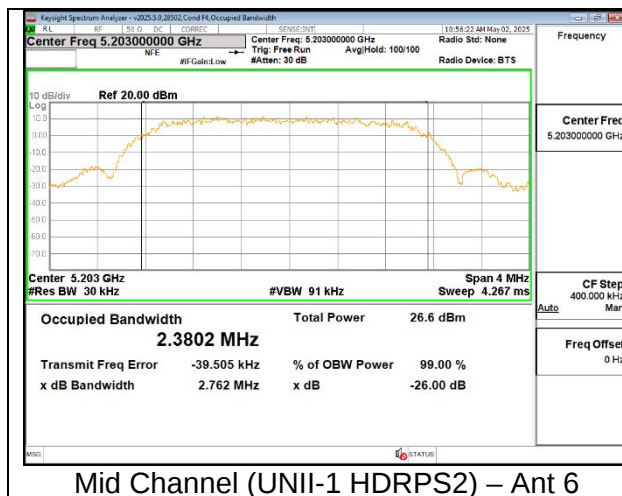
Mid Channel (UNII-1 HDT4) – Ant 5



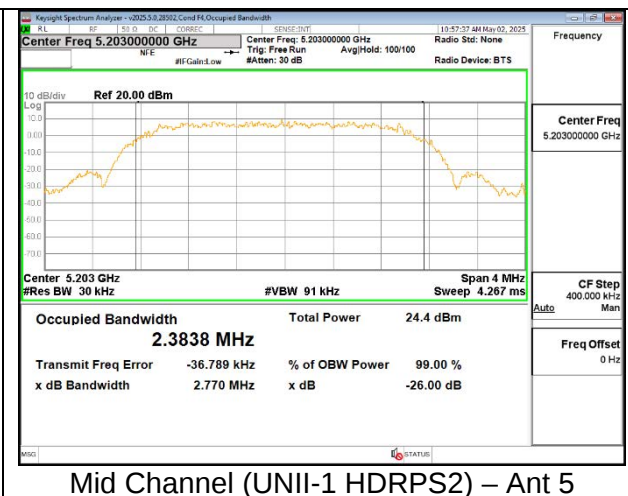
Mid Channel (UNII-1 HDT6) – Ant 6



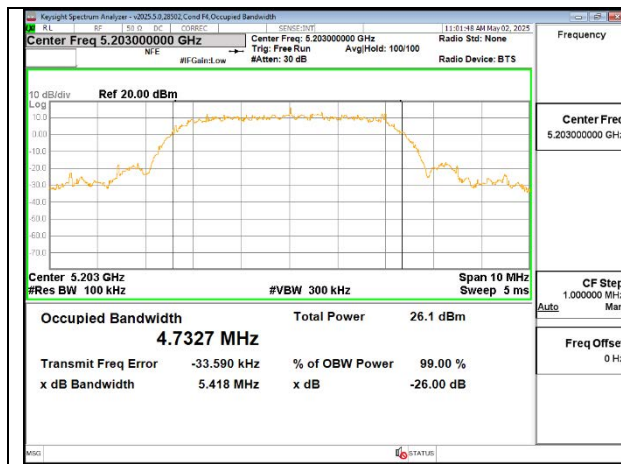
Mid Channel (UNII-1 HDT6) – Ant 5



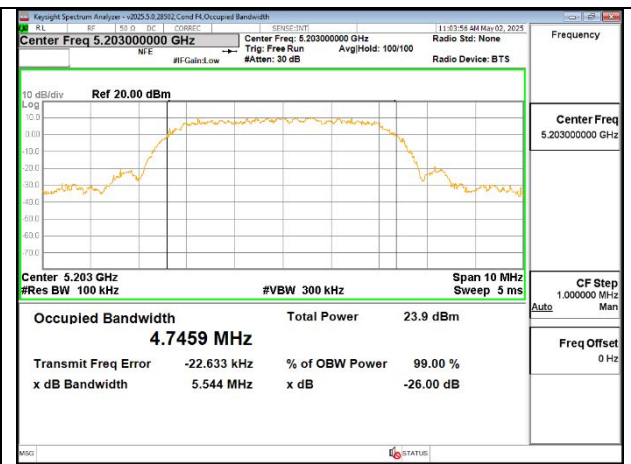
Mid Channel (UNII-1 HDRPS2) – Ant 6



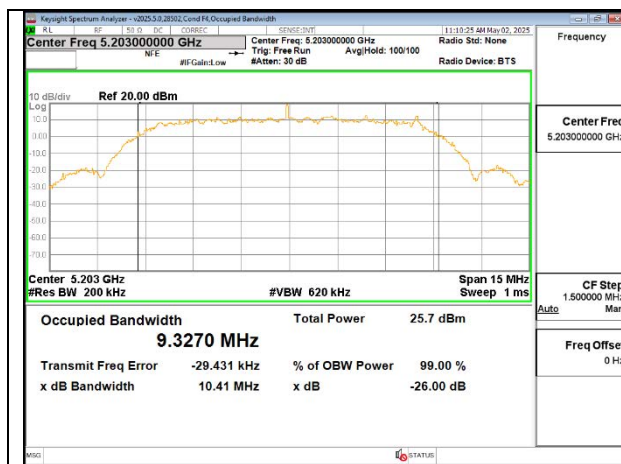
Mid Channel (UNII-1 HDRPS2) – Ant 5



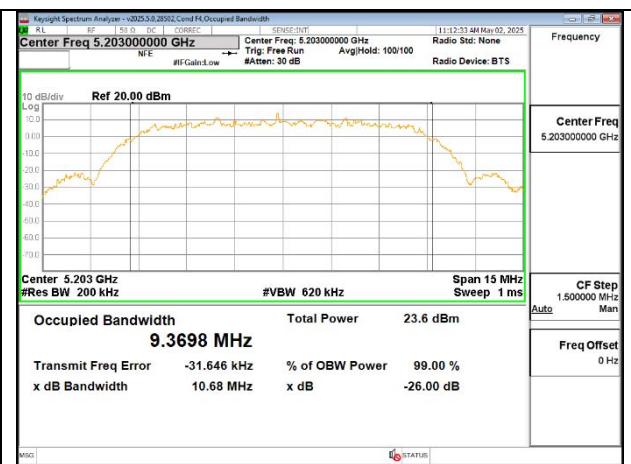
Mid Channel (UNII-1 XHDRPM8) – Ant 6



Mid Channel (UNII-1 XHDRPM8) – Ant 5



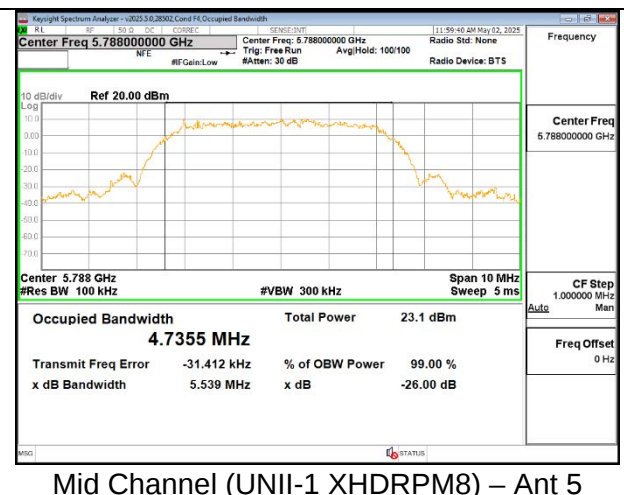
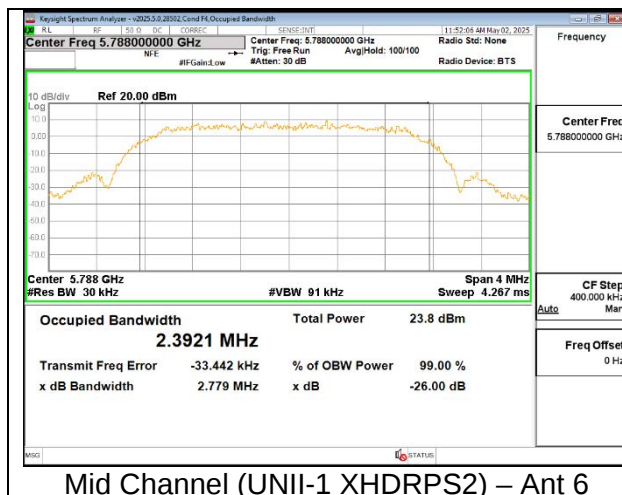
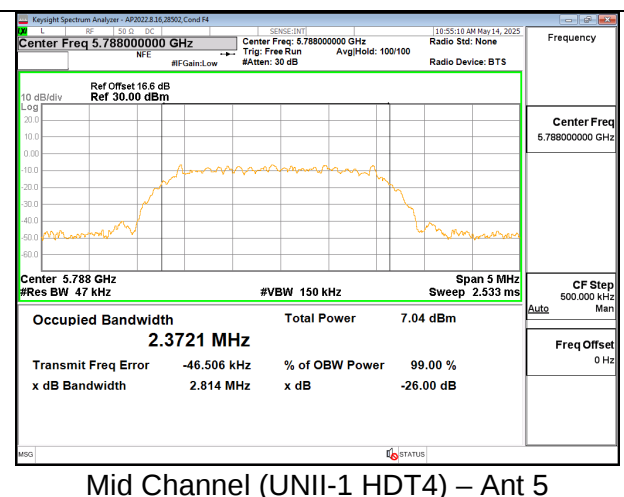
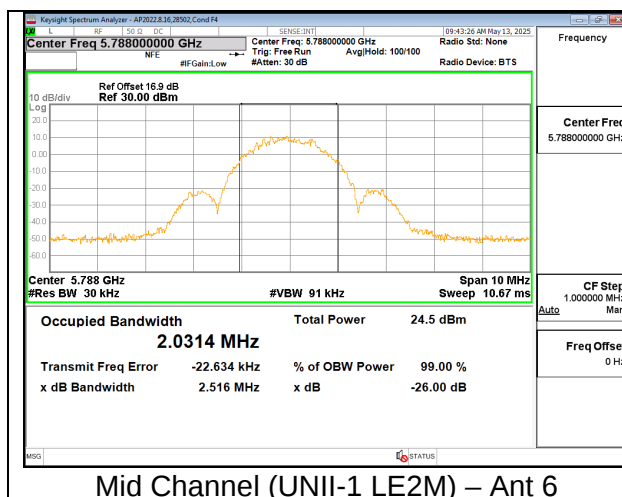
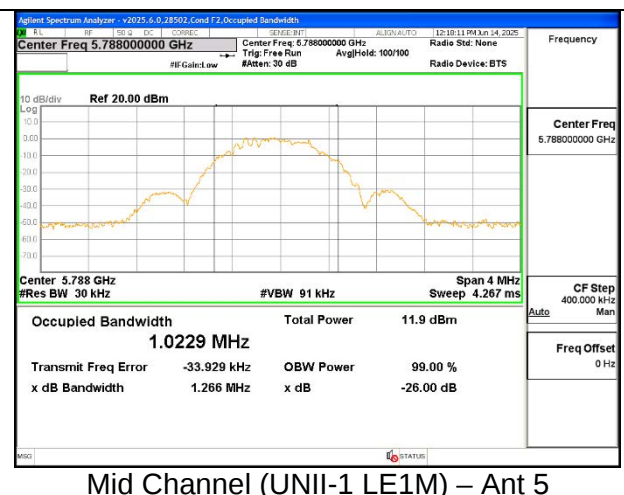
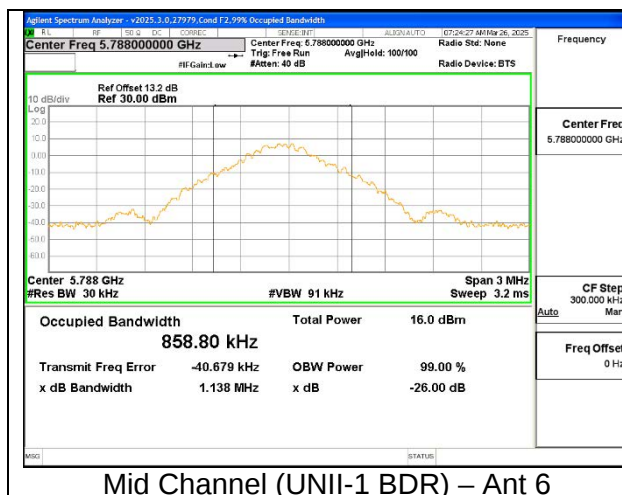
Mid Channel (UNII-1 HDRPL16) – Ant 6

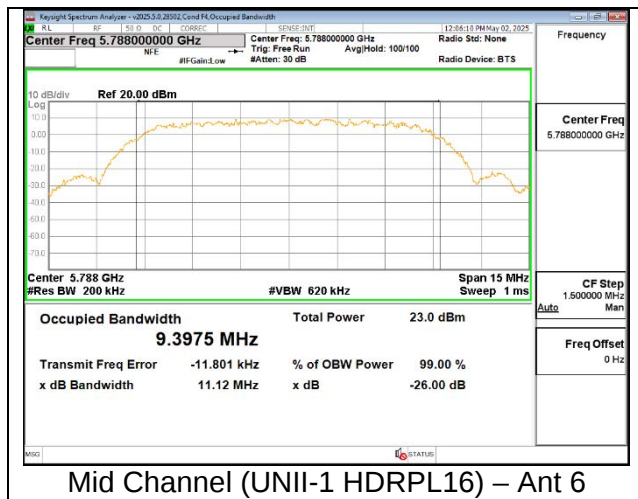


Mid Channel (UNII-1 HDRPL16) – Ant 5

9.2.3. UNII-3 HIGH POWER SISO MODE

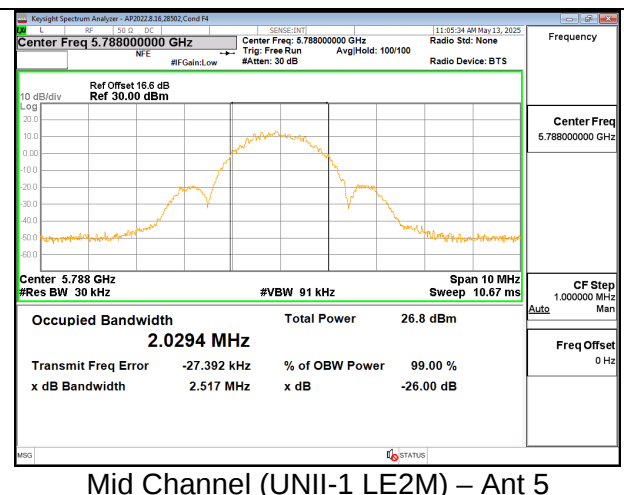
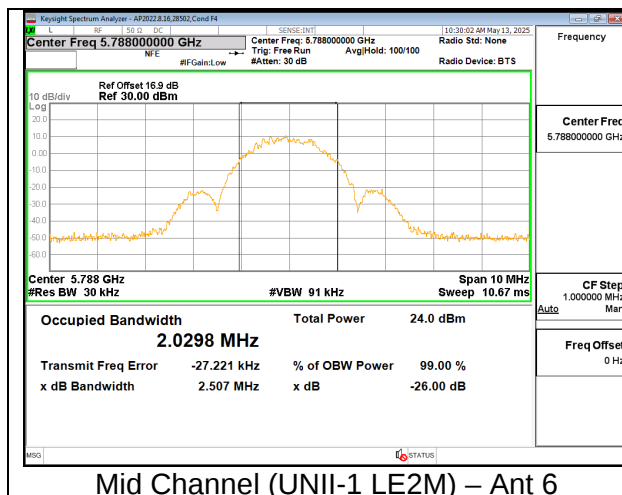
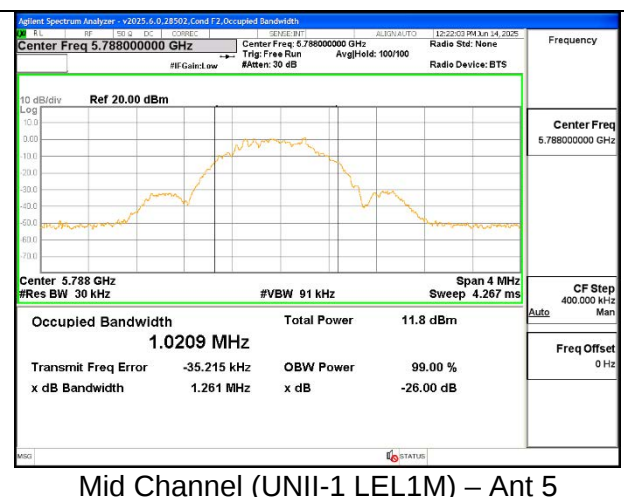
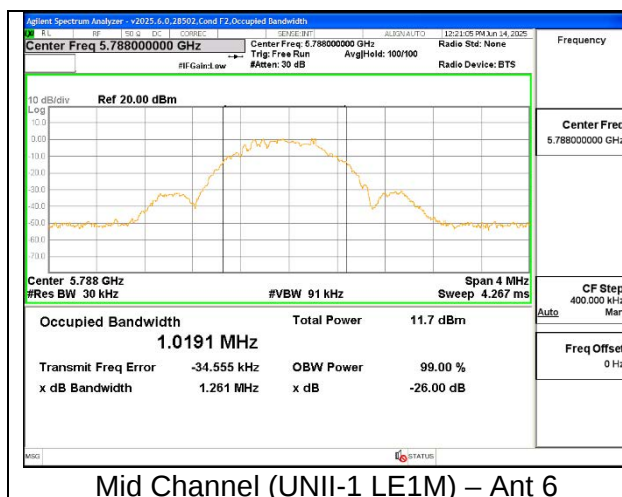
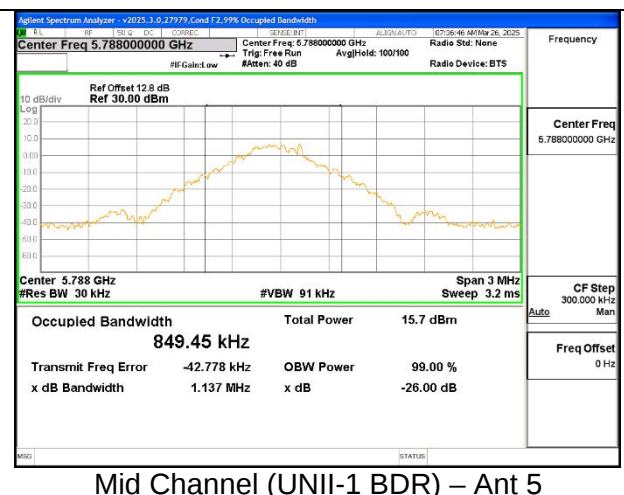
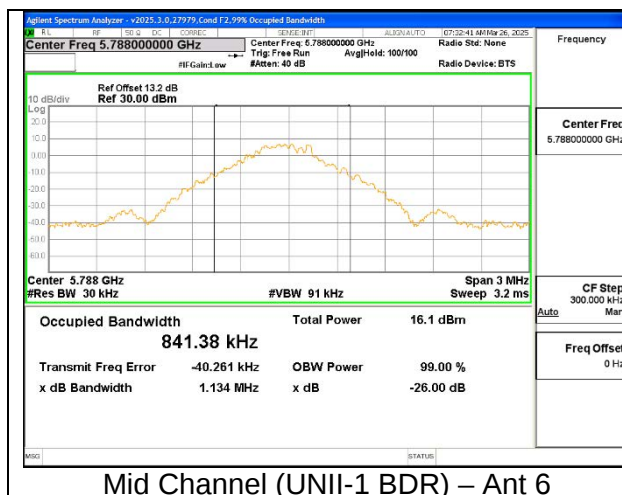
Worst-Case Mode (SISO)	Frequency (MHz)	Channel Number	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
			Ant 6	Ant 5	Ant 6	Ant 5
BDR	5733	Low	1.198	1.143	0.8595	0.8646
	5788	Mid	1.138	1.142	0.8588	0.8488
	5844	High	1.135	1.145	0.8510	0.8579
LE1M	5733	Low	1.260	1.259	1.0217	1.0191
	5788	Mid	1.265	1.266	1.0221	1.0229
	5844	High	1.259	1.265	1.0206	1.0207
LE2M	5733	Low	2.519	2.510	2.0308	2.0288
	5788	Mid	2.516	2.507	2.0314	2.0303
	5844	High	2.512	2.501	2.0319	2.0297
HDT4	5733	Low	2.815	2.806	2.3747	2.3723
	5788	Mid	2.819	2.814	2.3727	2.3721
	5844	High	2.816	2.818	2.3730	2.3686
XHDRPS2	5733	Low	2.775	2.658	2.3755	2.3698
	5788	Mid	2.779	2.774	2.3921	2.3711
	5844	High	2.676	2.796	2.3714	2.3910
XHDRPM8	5733	Low	5.536	5.337	4.7277	4.7087
	5788	Mid	5.419	5.539	4.7257	4.7355
	5844	High	5.355	5.320	4.7317	4.7170
HDRPL16	5733	Low	11.010	10.960	9.3973	9.4429
	5788	Mid	11.120	11.060	9.3975	9.4269
	5844	High	11.070	10.590	9.3977	9.3469

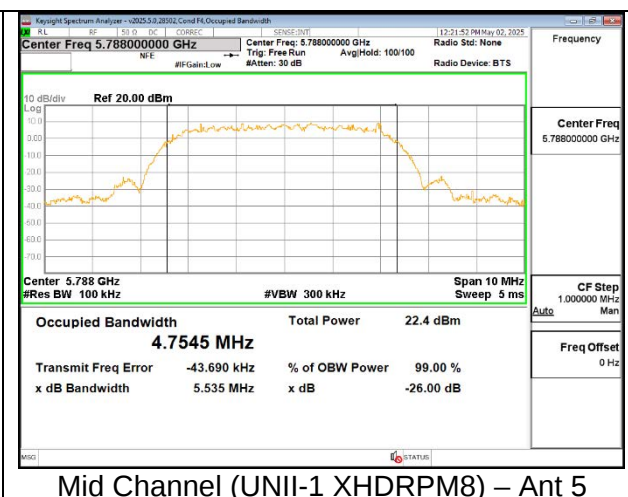
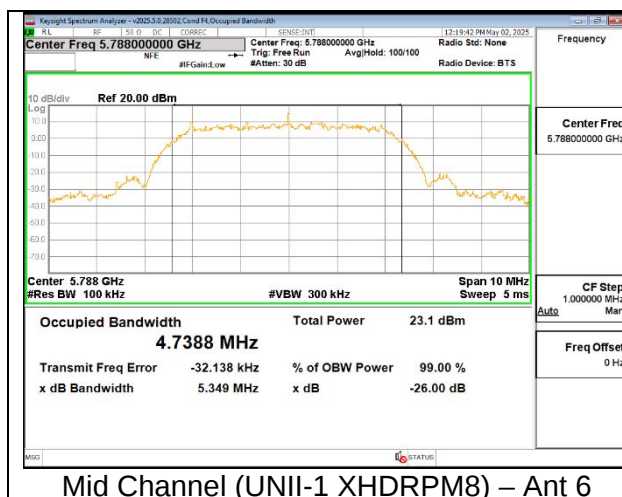
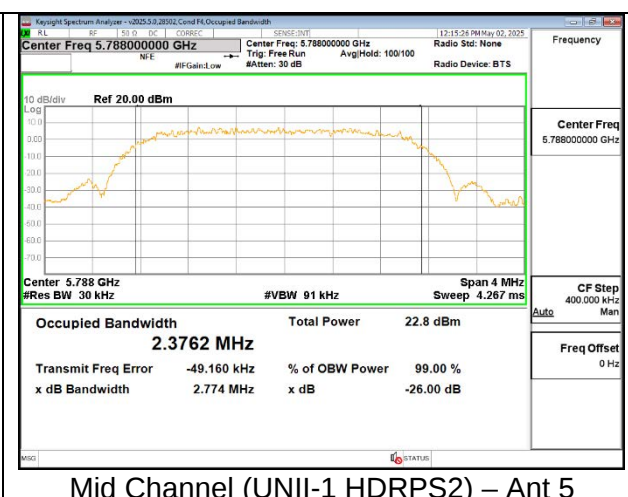
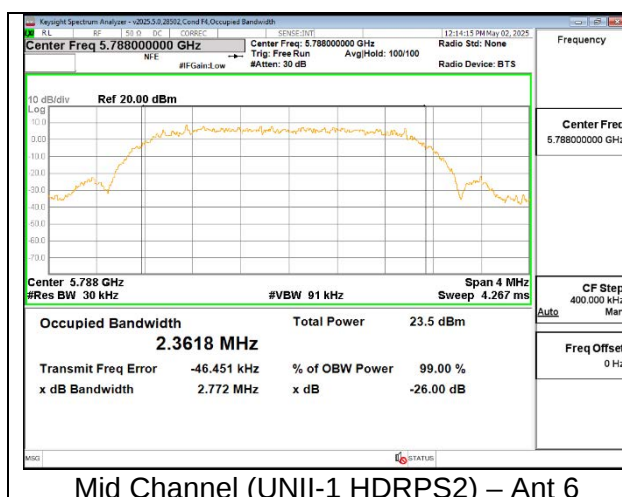
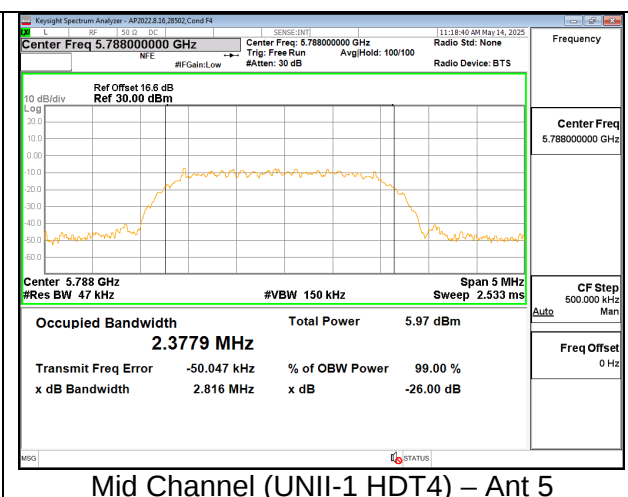
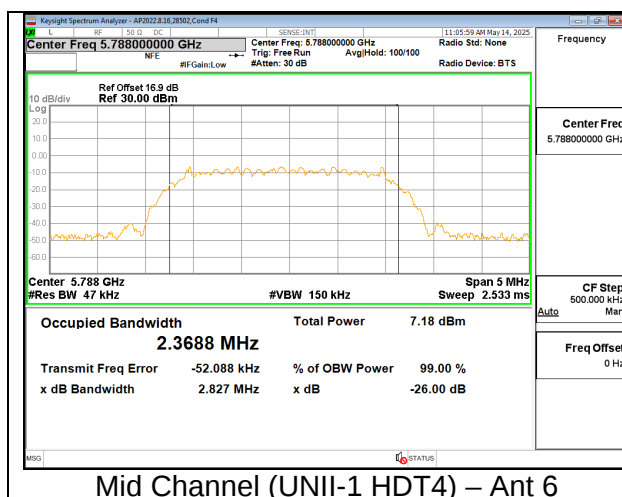


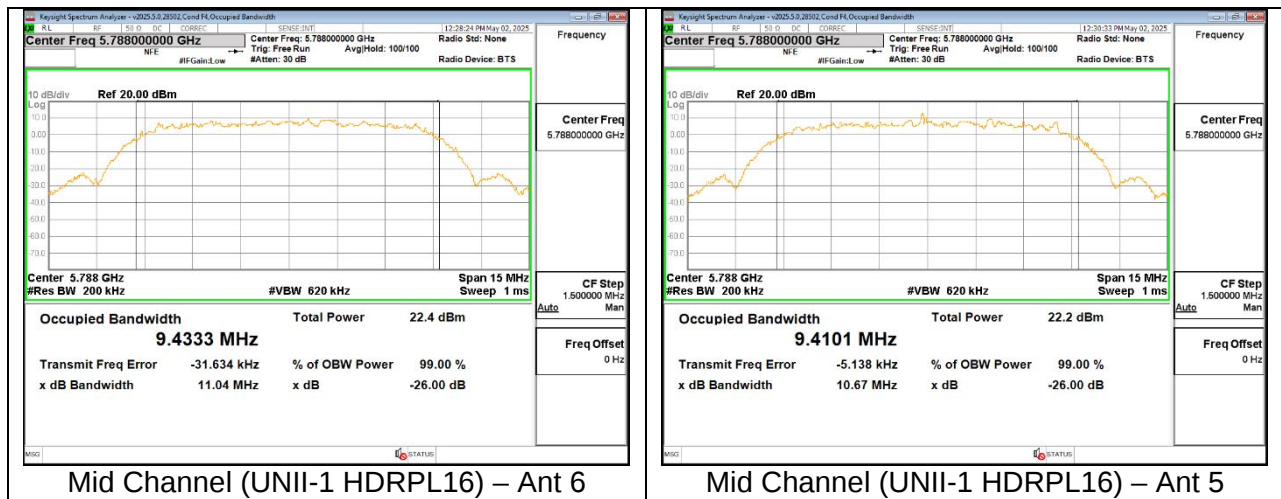


9.2.4. UNII-3 HIGH POWER TXBF MODE

Worst-Case Mode (TxBF)	Frequency (MHz)	Channel Number	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
			Ant 6	Ant 5	Ant 6	Ant 5
BDR	5733	Low	1.146	1.143	0.8513	0.8580
	5788	Mid	1.134	1.137	0.8413	0.8494
	5844	High	1.133	1.142	0.8469	0.8620
LE1M	5733	Low	1.262	1.260	1.0188	1.0174
	5788	Mid	1.261	1.261	1.0191	1.0209
	5844	High	1.256	1.260	1.0203	1.0242
LE2M	5733	Low	2.512	2.505	2.0309	2.0271
	5788	Mid	2.507	2.517	2.0298	2.0294
	5844	High	2.512	2.501	2.0292	2.0299
HDT4	5733	Low	2.824	2.824	2.3713	2.3690
	5788	Mid	2.827	2.816	2.3688	2.3779
	5844	High	2.817	2.823	2.3762	2.3724
XHDRPS2	5733	Low	2.773	2.763	2.3853	2.3872
	5788	Mid	2.772	2.774	2.3618	2.3620
	5844	High	2.762	2.728	2.3695	2.3745
XHDRPM8	5733	Low	5.383	5.312	4.7227	4.7220
	5788	Mid	5.349	5.535	4.7388	4.7545
	5844	High	5.382	5.475	4.5110	4.7447
HDRPL16	5733	Low	10.540	11.000	9.3549	9.3944
	5788	Mid	11.040	10.670	9.4333	9.4101
	5844	High	10.900	11.040	9.3541	9.3963







9.3. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

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

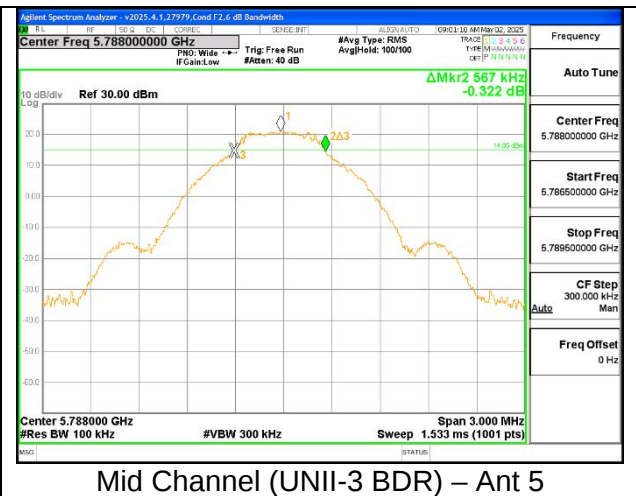
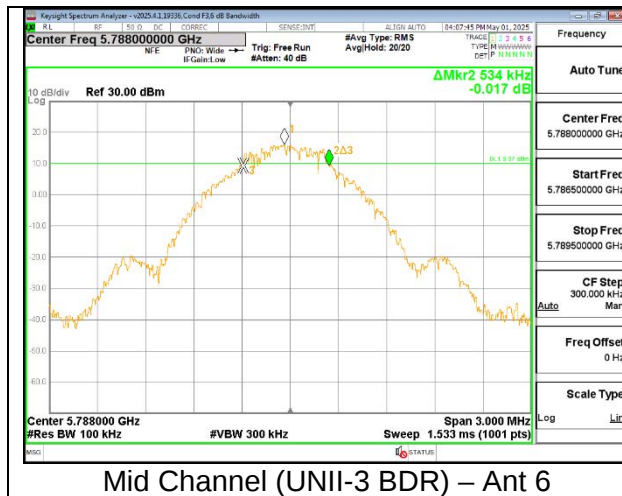
RESULTS

For 6dB bandwidth measurements, the narrowest bandwidths of BDR mode was set to test as the worst-case scenario.

Only High Power at BDR mode result is reported, it covers all Low Power modes. Only Mid channel plot is reported to show setting parameter complies with testing method/procedure.

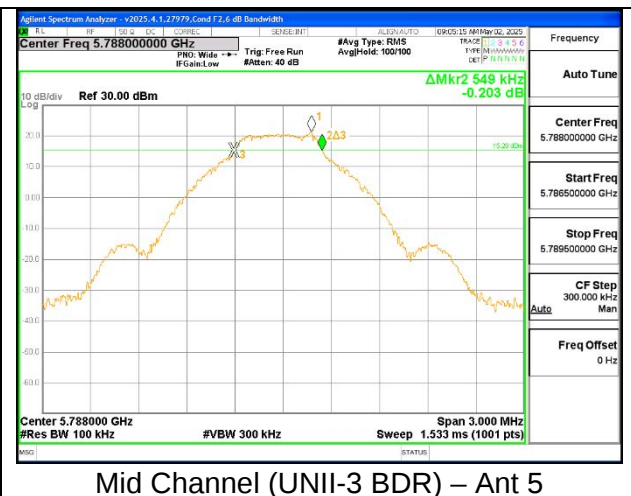
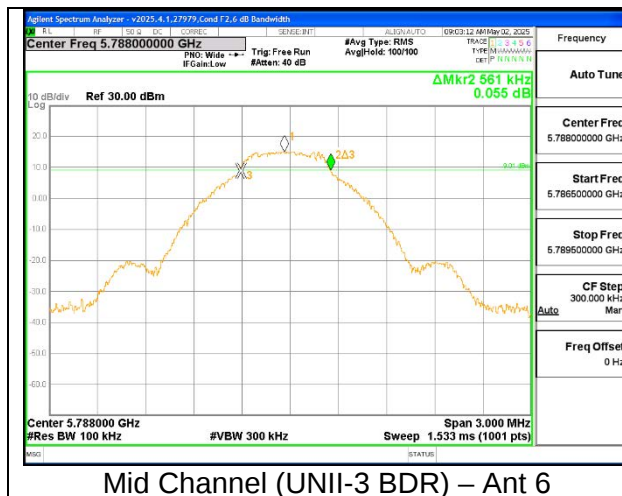
9.3.1. HIGH OUTPUT BDR SISO MODE IN THE UNII-3 BAND

UNII-3 (SISO)	Frequency (MHz)	Channel Number	6 dB BW (MHz)	
			Ant 6	Ant 5
BDR	5733	Low	0.549	0.549
	5788	Mid	0.534	0.567
	5844	High	0.555	0.540



9.3.2. HIGH OUTPUT BDR TXBF MODE IN THE UNII-3 BAND

UNII-3 (TxBF)	Frequency (MHz)	Channel Number	6 dB BW (MHz)	
			Ant 6	Ant 5
BDR	5733	Low	0.558	0.540
	5788	Mid	0.561	0.549
	5844	High	0.561	0.549



9.4. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15–5.25 GHz

(iv) 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 provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Band 5.725-5.85 GHz

The maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02, Section E.3.b (Method PM-G).

The measurement method used for power spectral density is KDB 789033 D02, Section F.

DIRECTIONAL ANTENNA GAIN

For 1 TX:

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

For 2 TX:

Tx chains are correlated for power and correlated for PSD due to the device supporting TX BF in all MIMO modes. The directional gains are as follows:

Frequency Range (MHz)	Antenna 6 (dBi)	Antenna 5 (dBi)	Uncorrelated Chains (dBi)	Correlated Chains (dBi)
5150 - 5250 UNII - 1	-2.90	-6.20	-4.24	-1.38
5725 - 5825 UNII 3	2.00	-6.40	-0.42	1.79

RESULTS:**DIRECTIONAL GAIN CALCULATION:**

ANSI C63.10 section 14.6.3

Uncorrelated directional gain= $10 \cdot \log((10^{(\text{Ant1}/10)} + 10^{(\text{Ant2}/10)})/2)$

Correlated directional Gain= $10 \cdot \log(((10^{(\text{Ant1}/20)} + 10^{(\text{Ant2}/20)})^2)/2)$

Sample Calculation:

Ant6=-2.90, Ant5=-6.20

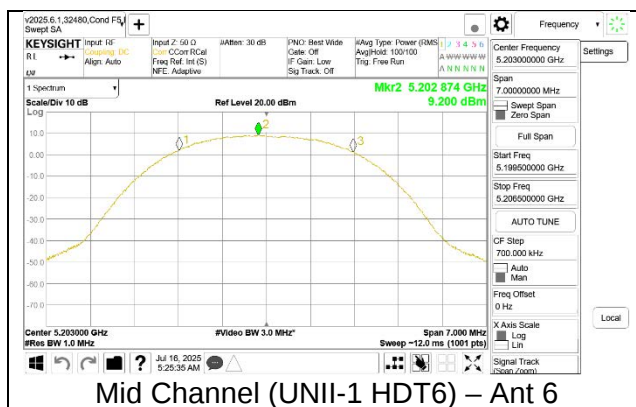
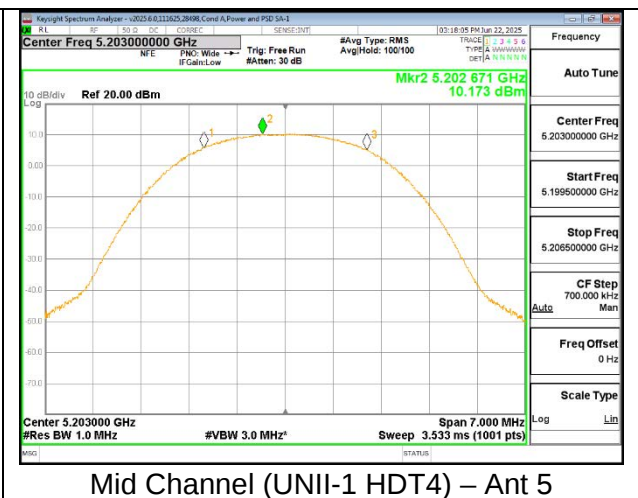
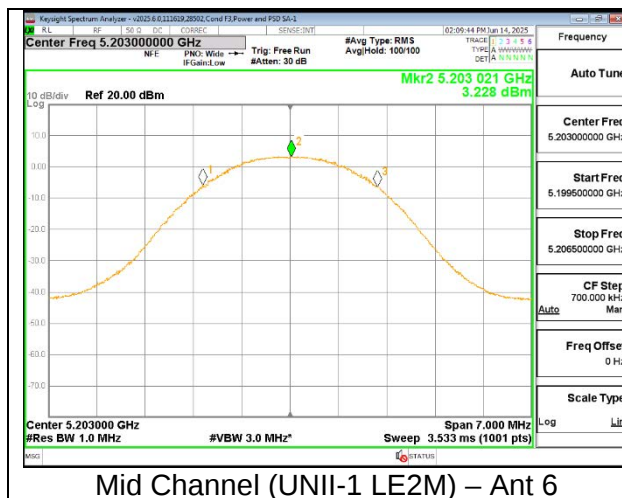
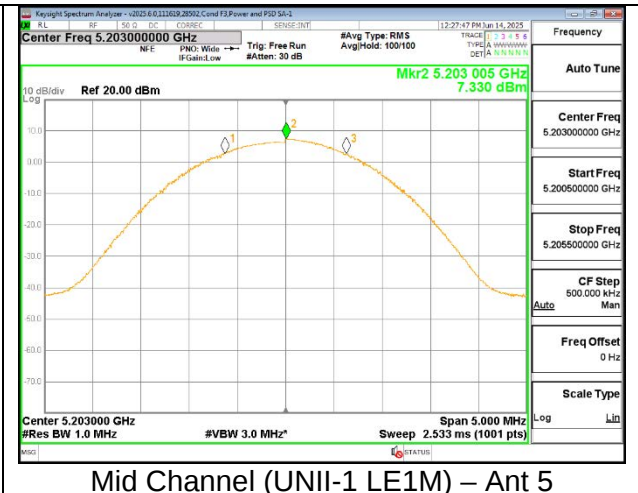
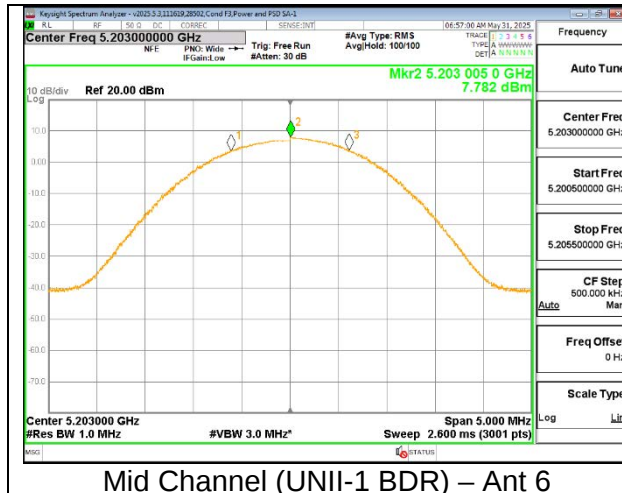
Uncorrelated Antenna gain= $10 \log[(10^{(-2.90/10)} + 10^{(-6.20/10)})/2] = -4.24 \text{ dBi}$

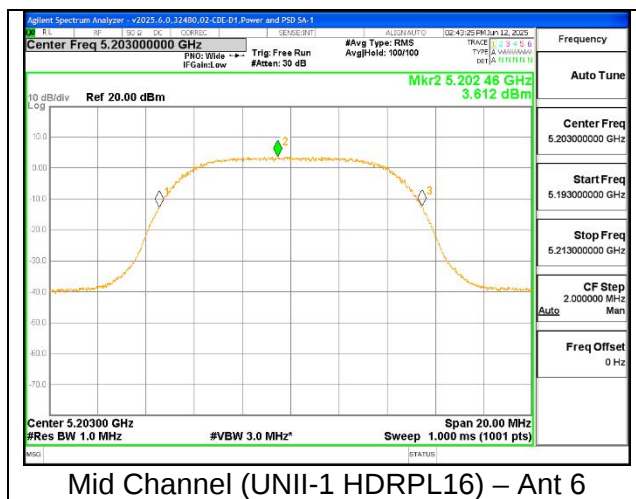
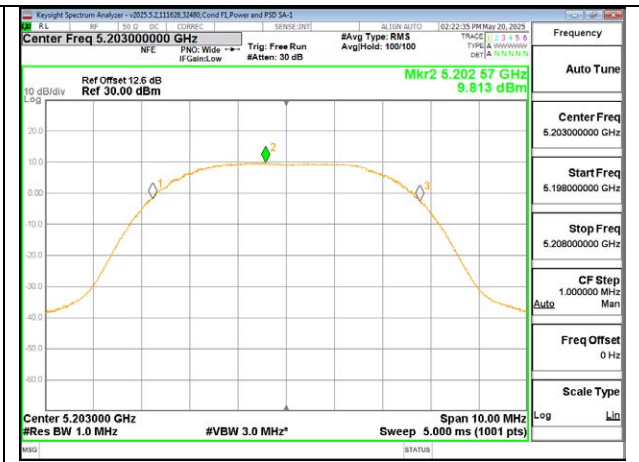
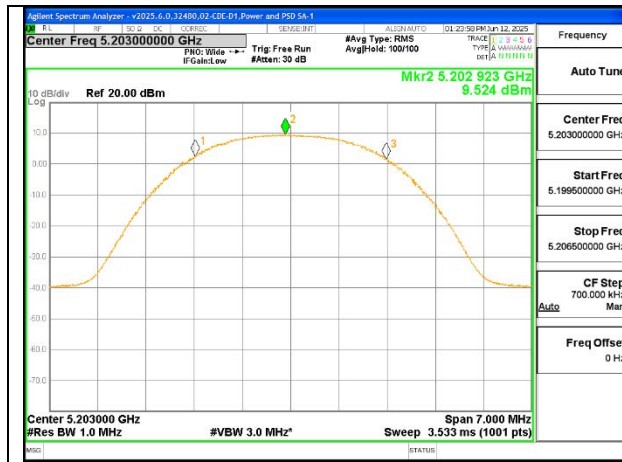
Correlated Antenna gain= $10 \log[(10^{(-2.90/20)} + 10^{(-6.20/20)})^2/2] = -1.38 \text{ dBi}$

9.4.1. UNII-1 BAND SISO MODE

UNII-1 (SISO) (5162 - 5245MHz)	
Ant 6 (dBi)	-2.90
Ant 5 (dBi)	-6.20

UNII-1 (SISO)	Power Config.	Freq (MHz)	Ch. #	Duty Cycle (dB)	Minimum Bandwidth (MHz)		Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/MHz)		PSD (dBm/MHz)		Total Corrected PSD (dBm/MHz)																																			
					Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant2	Ant 6	Ant 5	Ant 6	Ant 5																																		
BDR	High	5162	Low	1.15	--	24	24	10.16	10.13	10.16	10.13	11	11	7.676	7.932	8.826	9.082																																			
		5203	Mid					10.18	10.17	10.18	10.17			7.782	7.546	8.932	8.696																																			
		5245	High					10.13	10.13	10.13	10.13			7.764	7.752	8.914	8.902																																			
	5162	Low	2.44					2.65	2.44	2.65	0.577			0.796	1.727	1.946																																				
	5203	Mid	2.44					2.66	2.44	2.66	0.590			0.739	1.740	1.889																																				
	5245	High	2.43					2.68	2.43	2.68	0.455			0.727	1.605	1.877																																				
LE1M	High	5162	Low	0.72				--	24	24	10.23			10.17	10.23	10.17	11	11	4.995	6.990	5.715	7.710																														
		5203	Mid								10.20			10.27	10.20	10.27			4.857	7.330	5.577	8.050																														
		5245	High								10.23			10.19	10.23	10.19			4.873	6.962	5.593	7.682																														
	5162	Low	2.41								2.64			2.41	2.64	-3.083			0.067	-2.363	0.787																															
	5203	Mid	2.45								2.60			2.45	2.60	-2.898			-0.152	-2.178	0.568																															
	5245	High	2.46								2.68			2.46	2.68	-2.795			-0.384	-2.075	0.336																															
LE2M	High	5162	Low	2.44							--			24	24	11.13			11.15	11.13	11.15	11	11	3.561	5.632	6.001	8.072																									
		5203	Mid													11.15			11.17	11.15	11.17			3.228	5.588	5.668	8.028																									
		5245	High													11.11			11.16	11.11	11.16			3.583	5.861	6.023	8.301																									
	5162	Low	2.45													2.66			2.45	2.66	-5.584			-2.601	-3.144	-0.161																										
	5203	Mid	2.42													2.68			2.42	2.68	-5.182			-2.274	-2.742	0.166																										
	5245	High	2.41													2.67			2.41	2.67	-5.261			-2.760	-2.821	-0.320																										
HDT4	High	5162	Low	0.30												--			24	24	12.62			11.45	12.62	11.45	11	11	10.388	9.89	10.688	10.192																				
		5203	Mid																		12.68			11.45	12.68	11.45			10.493	10.17	10.793	10.473																				
		5245	High																		12.66			11.44	12.66	11.44			10.632	10.10	10.932	10.399																				
	5162	Low	-0.55																		-0.43			-0.55	-0.43	-4.520			-4.299	-4.220	-3.999																					
	5203	Mid	-0.55																		-0.32			-0.55	-0.32	-4.284			-4.508	-3.984	-4.208																					
	5245	High	-0.63																		-0.32			-0.63	-0.32	-4.195			-4.507	-3.895	-4.207																					
HDT6	High	5162	Low	0.43																	--			24	24	10.95			12.42	10.95	12.42	11	11	9.380	10.194	9.810	10.624															
		5203	Mid																							10.95			12.47	10.95	12.47			9.200	9.968	9.630	10.398															
		5245	High																							10.97			12.45	10.97	12.45			8.953	9.765	9.383	10.195															
	5162	Low	-3.55																							-3.33			-3.55	-3.33	-5.954			-5.678	-5.524	-5.248																
	5203	Mid	-3.55																							-3.32			-3.55	-3.32	-5.922			-5.736	-5.492	-5.306																
	5245	High	-3.53																							-3.37			-3.53	-3.37	-6.047			-5.948	-5.617	-5.518																
HDRPS2	High	5162	Low	0.35																						--			24	24	12.25			12.25	12.25	12.25	11	11	9.579	9.582	9.929	9.932										
		5203	Mid																												12.26			12.23	12.26	12.23			9.524	9.422	9.874	9.772										
		5245	High																												12.19			12.21	12.19	12.21			9.398	9.469	9.748	9.819										
	5162	Low	-0.53																												-0.33			-0.53	-0.33	-3.952			-3.400	-3.602	-3.050											
	5203	Mid	-0.51																												-0.35			-0.51	-0.35	-3.985			-3.686	-3.635	-3.336											
	5245	High	-0.53																												-0.33			-0.53	-0.33	-3.988			-3.423	-3.638	-3.073											
XHDRPM8	High	5162	Low	0.36																											--			24	24	13.92			14.42	13.92	14.42	11	11	9.535	10.009	9.895	10.369					
		5203	Mid																																	13.92			14.45	13.92	14.45			9.303	9.813	9.663	10.173					
		5245	High																																	13.95			14.46	13.95	14.46			9.102	9.676	9.462	10.036					
	5162	Low	-0.51																																	-0.32			-0.51	-0.32	-6.782			-6.604	-6.422	-6.244						
	5203	Mid	-0.52																																	-0.31			-0.52	-0.31	-7.000			-6.201	-6.640	-5.841						
	5245	High	-0.53																																	-0.33			-0.53	-0.33	-6.898			-6.622	-6.538	-6.262						
HDRPL16	High	5164	Low	0.16																																--			24	24	13.97			14.42	13.97	14.42	11	11	3.356	4.374	3.516	4.534
		5203	Mid																																						13.91			14.47	13.91	14.47			3.612	4.200	3.772	4.360
		5242	High																																						13.92			14.41	13.92	14.41			3.279	4.580	3.439	4.740
	5164	Low	-0.51																																						-0.32			-0.51	-0.32	-9.016			-8.743	-8.856	-8.583	
	5203	Mid	-0.51																																						-0.32			-0.51	-0.32	-8.783			-8.692	-8.623	-8.532	
	5242	High	-0.52																																						-0.42			-0.52	-0.42	-9.267			-8.606	-9.107	-8.446	

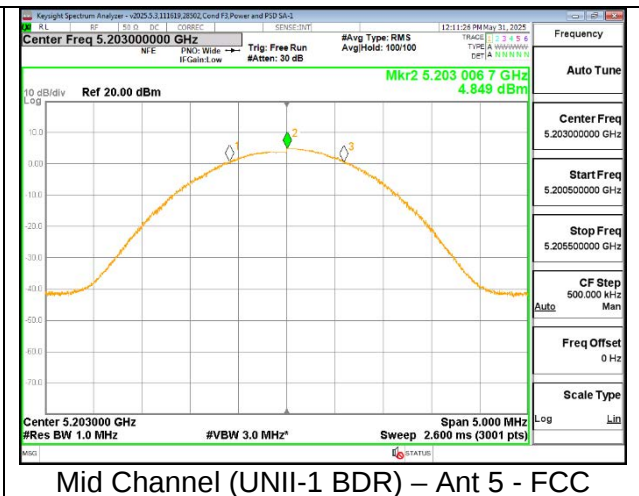
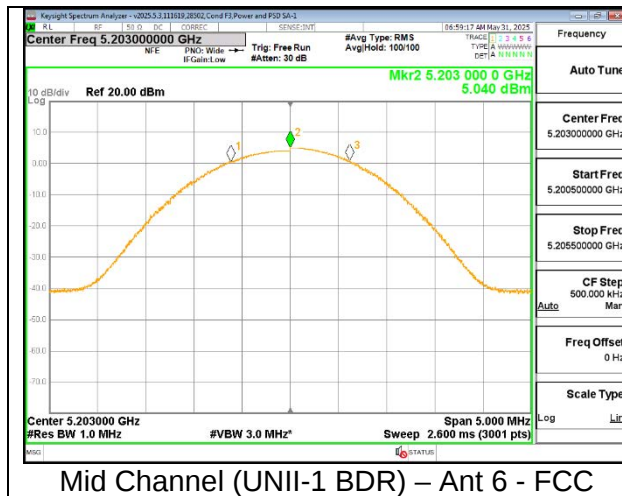




9.4.2. UNII-1 BAND MIMO TXBF MODE

UNII-1 (TxBF) (5162 - 5245MHz)	
Un-Correlated Gain (dBi)	-4.24
Correlated Gain (dBi)	-1.38

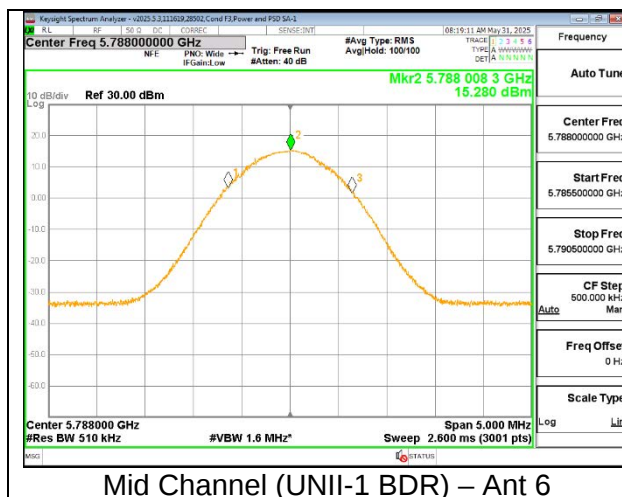
UNII-1 (TxBF)	Power Config.	Freq (MHz)	Ch. #	Duty Cycle (dB)	Min BW (MHz)	Power Limit (dBm)	Output Power (Gated) (dBm)		Total MIMO Corrected Power (dBm)	PSD Limit (dBm/MHz)	PSD (dBm/MHz)		Total MIMO Corrected PSD (dBm/MHz)
							Ant 6	Ant 5			Ant 6	Ant 5	
BDR	High	5162	Low	1.15	--	24	7.16	7.11	10.15	11	4.865	4.518	8.855
		5203	Mid				7.18	7.18	10.19		5.040	4.849	9.106
		5245	High				7.16	7.12	10.15		4.708	4.655	8.842
	Low	5162	Low				2.45	2.61	5.54		0.548	0.543	4.706
		5203	Mid				2.41	2.66	5.55		0.523	0.697	4.771
		5245	High				2.43	2.63	5.54		0.458	0.562	4.671
LE1M	High	5162	Low	0.72			7.26	7.21	10.25		2.124	3.902	6.834
		5203	Mid				7.28	7.23	10.27		2.314	4.027	6.985
		5245	High				7.23	7.22	10.24		2.051	4.308	7.055
	Low	5162	Low				2.47	2.62	5.56		-2.359	-0.041	2.683
		5203	Mid				2.38	2.66	5.53		-1.992	-0.475	2.563
		5245	High				2.42	2.67	5.56		-2.326	-0.584	2.362
LE2M	High	5162	Low	2.44			8.17	8.15	11.17		0.735	2.198	6.978
		5203	Mid				8.13	8.16	11.16		0.635	2.370	7.039
		5245	High				8.16	8.09	11.14		0.736	2.542	7.183
	Low	5162	Low				2.43	2.63	5.54		-5.035	-2.864	1.635
		5203	Mid				2.47	2.68	5.59		-4.730	-2.435	2.018
		5245	High				2.48	2.67	5.59		-5.113	-2.550	1.805
HDT4	High	5162	Low	0.30			9.64	9.45	12.56		6.083	5.581	9.150
		5203	Mid				9.67	9.48	12.59		5.745	5.547	8.957
		5245	High				9.66	9.43	12.56		5.975	5.442	9.027
	Low	5162	Low				-0.52	-0.33	2.59		-4.465	-4.120	-0.979
		5203	Mid				-0.53	-0.35	2.57		-4.733	-4.384	-1.245
		5245	High				-0.62	-0.39	2.51		-4.566	-4.414	-1.179
HDT6	High	5162	Low	0.43			9.57	9.48	12.54		7.578	7.083	10.778
		5203	Mid				9.40	9.40	12.41		7.257	7.088	10.614
		5245	High				9.37	9.32	12.36		7.205	7.090	10.588
	Low	5162	Low				-3.54	-3.35	-0.43		-6.072	-5.703	-2.443
		5203	Mid				-3.53	-3.34	-0.42		-5.923	-5.897	-2.470
		5245	High				-3.62	-3.32	-0.46		-6.243	-5.876	-2.615
HDRPS2	High	5162	Low	0.35			9.28	9.25	12.28		7.143	7.087	10.475
		5203	Mid				9.25	9.21	12.24		7.060	7.153	10.467
		5245	High				9.21	9.28	12.26		7.244	7.386	10.676
	Low	5162	Low				-0.51	-0.33	2.59		-3.086	-2.967	0.334
		5203	Mid				-0.52	-0.32	2.59		-3.097	-2.862	0.382
		5245	High				-0.51	-0.32	2.60		-3.206	-2.922	0.299
XHDRPM8	High	5162	Low	0.36			12.14	12.18	15.17		7.341	7.460	10.771
		5203	Mid				12.13	12.13	15.14		7.200	7.420	10.682
		5245	High				12.17	12.13	15.16		7.157	7.420	10.661
	Low	5162	Low				-0.53	-0.34	2.58		-5.952	-5.483	-2.341
		5203	Mid				-0.53	-0.34	2.58		-5.909	-5.485	-2.322
		5245	High				-0.51	-0.32	2.60		-5.761	-5.850	-2.435
HDRPL16	High	5164	Low	0.16			13.91	14.44	17.19		5.761	5.410	8.759
		5203	Mid				13.92	14.41	17.18		6.084	5.758	9.094
		5242	High				13.94	14.45	17.21		5.740	5.790	8.935
	Low	5164	Low				-0.51	-0.31	2.60		-8.348	-7.685	-4.834
		5203	Mid				-0.53	-0.33	2.58		-8.516	-7.936	-5.046
		5242	High				-0.52	-0.42	2.54		-8.293	-8.029	-4.989



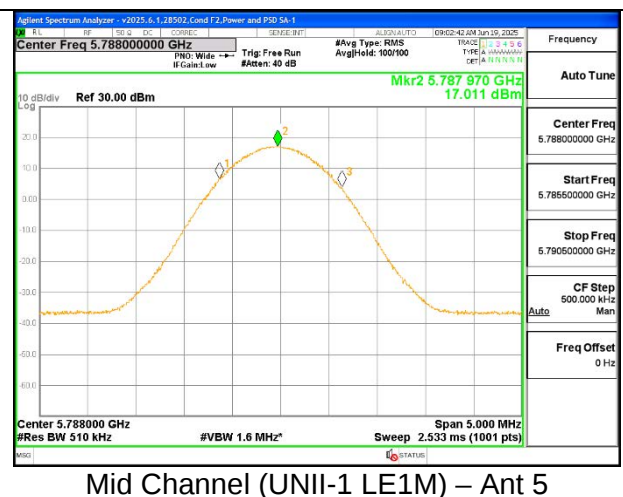
9.4.3. UNII-3 BAND SISO MODE

UNII-3 (SISO) (5733- 5844MHz)	
Ant 6 (dBi)	2.00
Ant 5 (dBi)	-6.40

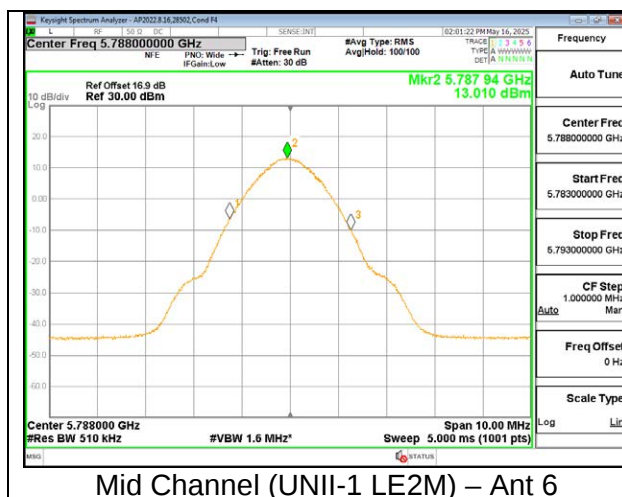
UNII-3 (SISO)	Power Config.	Freq (MHz)	Ch. #	Duty Cycle (dB)	Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/500kHz)		PSD (dBm/500kHz)		Total Corrected PSD (dBm/500kHz)	
					Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant 5
BDR	High	5733	Low	1.15	30	30	19.11	19.41	19.11	19.41	30	30	15.612	18.296	16.762	19.446
		5788	Mid				19.10	19.46	19.10	19.46			15.280	18.346	16.430	19.496
		5844	High				19.14	19.43	19.14	19.43			15.563	17.930	16.713	19.080
	Low	5733	Low				2.93	3.18	2.93	3.18			-0.225	2.419	0.925	3.569
		5788	Mid				2.98	3.11	2.98	3.11			-0.297	2.290	0.853	3.440
		5844	High				2.98	3.11	2.98	3.11			-0.399	2.247	0.751	3.397
LE1M	High	5733	Low	0.72			19.13	19.48	19.13	19.48			16.020	16.874	16.740	17.594
		5788	Mid				19.14	19.41	19.14	19.41			16.130	17.011	16.850	17.731
		5844	High				19.08	19.40	19.08	19.40			16.269	16.662	16.989	17.382
	Low	5733	Low				2.96	3.18	2.96	3.18			0.057	0.136	0.777	0.856
		5788	Mid				2.98	3.11	2.98	3.11			-0.024	0.360	0.696	1.080
		5844	High				2.96	3.13	2.96	3.13			0.055	0.461	0.775	1.181
LE2M	High	5733	Low	2.44			19.06	19.48	19.06	19.48			12.662	13.825	15.102	16.265
		5788	Mid				19.14	19.47	19.14	19.47			13.010	14.063	15.450	16.503
		5844	High				19.01	19.46	19.01	19.46			12.520	14.171	14.960	16.611
	Low	5733	Low				2.94	3.11	2.94	3.11			-4.317	-3.184	-1.877	-0.744
		5788	Mid				2.91	3.01	2.91	3.01			-4.348	-3.417	-1.908	-0.977
		5844	High				2.97	3.06	2.97	3.06			-4.542	-3.559	-2.102	-1.119
HDT4	High	5733	Low	0.30			14.08	14.48	14.08	14.48			6.417	7.770	6.717	8.070
		5788	Mid				14.13	14.30	14.13	14.30			6.990	7.615	7.290	7.915
		5844	High				14.11	14.37	14.11	14.37			6.414	7.742	6.714	8.042
	Low	5733	Low				-0.16	0.12	-0.16	0.12			-6.511	-6.674	-6.211	-6.374
		5788	Mid				-0.15	0.14	-0.15	0.14			-6.270	-6.813	-5.970	-6.513
		5844	High				-0.03	0.13	-0.03	0.13			-6.332	-6.603	-6.032	-6.303
XHDRPS2	High	5733	Low	0			14.11	14.44	14.11	14.44			9.345	9.744	9.345	9.744
		5788	Mid				14.15	14.45	14.15	14.45			9.472	9.849	9.472	9.849
		5844	High				14.17	14.47	14.17	14.47			9.390	9.647	9.390	9.647
	Low	5733	Low				-0.02	0.18	-0.02	0.18			-1.717	-4.682	-1.717	-4.682
		5788	Mid				-0.05	0.15	-0.05	0.15			-1.549	-4.547	-1.549	-4.547
		5844	High				-0.05	0.16	-0.05	0.16			-1.440	-4.898	-1.440	-4.898
XHDRPM8	High	5733	Low	0.36			14.13	14.42	14.13	14.42			6.333	6.599	6.693	6.959
		5788	Mid				14.18	14.43	14.18	14.43			6.294	6.427	6.654	6.787
		5844	High				14.17	14.45	14.17	14.45			6.397	6.781	6.757	7.141
	Low	5733	Low				-0.02	0.16	-0.02	0.16			-5.462	-7.779	-5.102	-7.419
		5788	Mid				-0.01	0.13	-0.01	0.13			-5.561	-7.496	-5.201	-7.136
		5844	High				-0.01	0.12	-0.01	0.12			-5.717	-7.874	-5.357	-7.514
HDRPL16	High	5733	Low	0.16			14.13	14.46	14.13	14.46			3.726	4.184	3.886	4.344
		5788	Mid				14.12	14.44	14.12	14.44			3.931	4.148	4.091	4.308
		5844	High				14.12	14.41	14.12	14.41			3.982	4.137	4.142	4.297
	Low	5733	Low				-0.02	0.13	-0.02	0.13			-7.761	-10.334	-7.601	-10.174
		5788	Mid				-0.03	0.12	-0.03	0.12			-7.674	-10.428	-7.514	-10.268
		5844	High				-0.05	0.12	-0.05	0.12			-7.806	-10.207	-7.646	-10.047



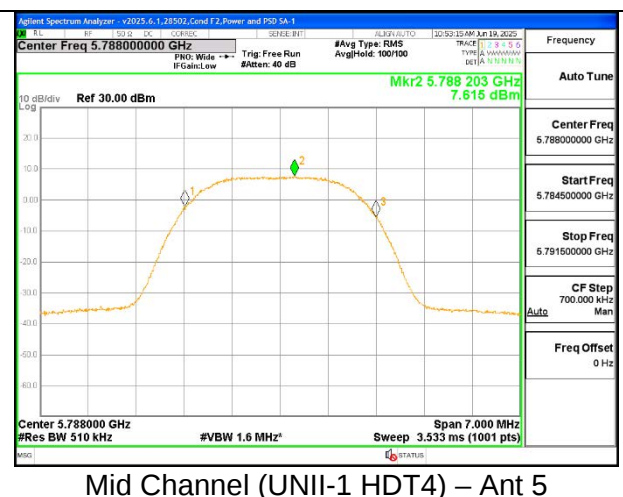
Mid Channel (UNII-1 BDR) – Ant 6



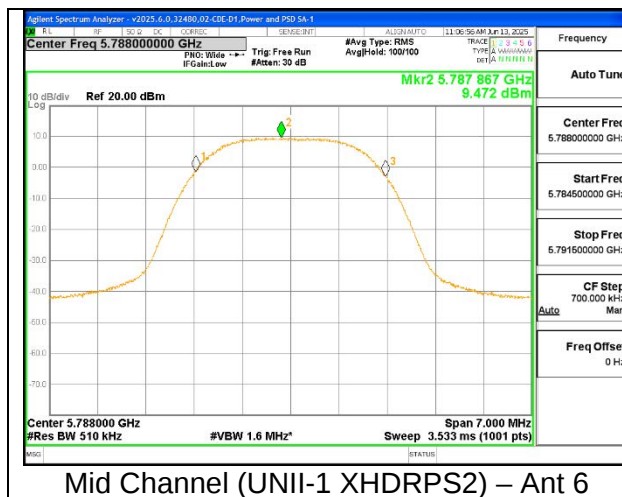
Mid Channel (UNII-1 LE1M) – Ant 5



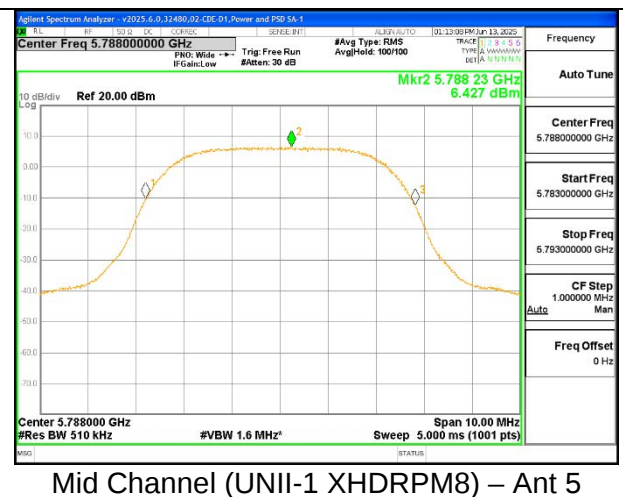
Mid Channel (UNII-1 LE2M) – Ant 6



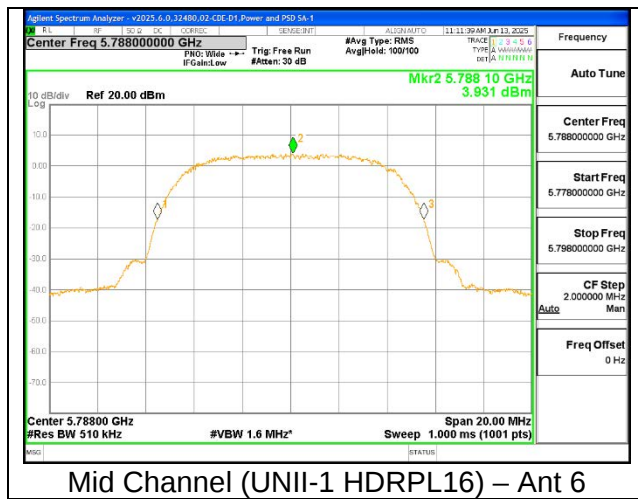
Mid Channel (UNII-1 HDT4) – Ant 5



Mid Channel (UNII-1 XHDRPS2) – Ant 6



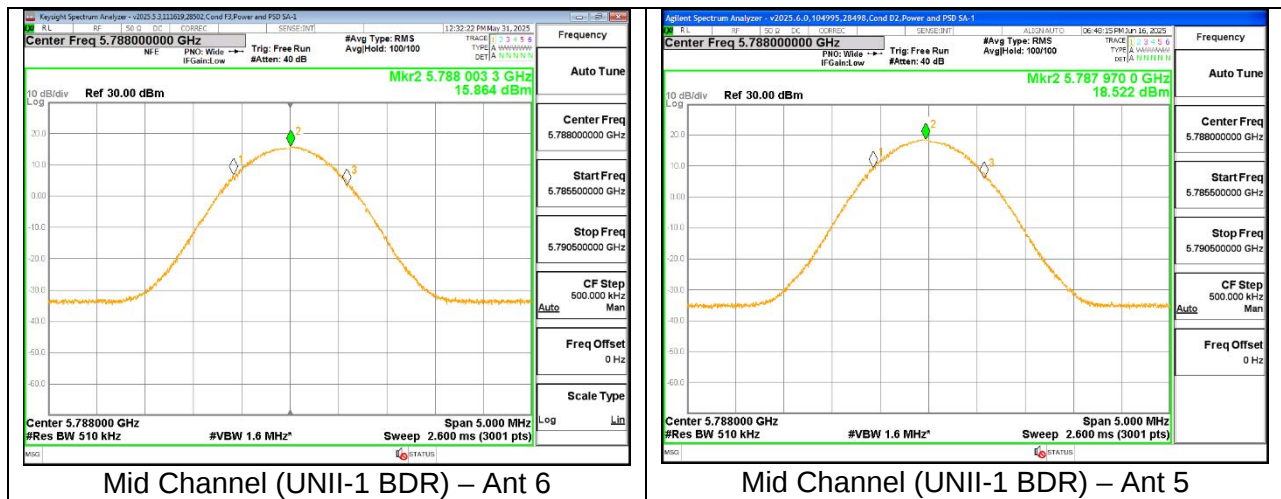
Mid Channel (UNII-1 XHDRPM8) – Ant 5



9.4.4. UNII-3 BAND MIMO TXBF MODE

UNII-3 (TxBF) (5733- 5844MHz)	
Un-Correlated Gain (dBi)	-0.42
Correlated Gain (dBi)	1.79

UNII-3 (TxBF)	Power Config.	Freq (MHz)	Ch. #	Duty Cycle (dB)	Power Limit (dBm)	Output Power (Gated) (dBm)		Total MIMO Corrected Power (dBm)	PSD Limit (dBm/500kHz)	PSD (dBm/500kHz)		Total MIMO Corrected PSD (dBm/500kHz)
						Ant 6	Ant 5			Ant 6	Ant 5	
BDR	High	5733	Low	1.15	30	19.07	19.43	22.26	30	16.030	18.287	21.464
		5788	Mid			19.04	19.43	22.25		15.864	18.522	21.554
		5844	High			19.05	19.45	22.26		15.795	17.892	21.129
	Low	5733	Low			2.93	3.12	6.04		-0.354	2.296	5.330
		5788	Mid			2.96	3.17	6.08		-0.446	2.153	5.205
		5844	High			2.98	3.18	6.09		-0.309	2.318	5.360
LE1M	High	5733	Low	0.72		19.13	19.43	22.29		16.132	17.364	20.522
		5788	Mid			19.16	19.41	22.30		15.942	17.205	20.350
		5844	High			19.15	19.43	22.30		16.229	16.683	20.192
	Low	5733	Low			2.98	3.11	6.06		0.416	0.143	4.012
		5788	Mid			2.93	3.12	6.04		0.182	0.298	3.971
		5844	High			2.88	3.13	6.02		0.043	0.209	3.857
LE2M	High	5733	Low	2.44		19.12	19.43	22.29		12.575	13.616	18.577
		5788	Mid			19.09	19.45	22.28		12.391	13.759	18.579
		5844	High			19.02	19.46	22.26		12.289	13.898	18.618
	Low	5733	Low			2.94	3.12	6.04		-3.768	-3.186	1.983
		5788	Mid			2.97	3.02	6.01		-3.888	-3.055	1.999
		5844	High			2.91	3.04	5.99		-3.523	-3.254	2.064
HDT4	High	5733	Low	0.30		14.12	14.48	17.31		6.592	7.823	10.561
		5788	Mid			14.09	14.42	17.27		6.510	7.767	10.494
		5844	High			14.04	14.45	17.26		6.650	7.647	10.487
	Low	5733	Low			-0.09	0.14	3.04		-7.454	-6.928	-3.873
		5788	Mid			-0.08	0.18	3.06		-7.967	-7.180	-4.245
		5844	High			-0.06	0.16	3.06		-7.729	-6.939	-4.006
XHDRPS2	High	5733	Low	0		14.12	14.42	17.28		9.365	9.646	12.518
		5788	Mid			14.11	14.45	17.29		9.404	9.980	12.712
		5844	High			14.16	14.46	17.32		9.429	9.641	12.547
	Low	5733	Low			-0.04	0.12	3.05		-1.911	-4.793	-0.107
		5788	Mid			-0.01	0.15	3.08		-1.719	-4.736	0.040
		5844	High			-0.02	0.12	3.06		-1.648	-4.811	0.063
XHDRPM8	High	5733	Low	0.36		14.11	14.43	17.28		6.369	6.434	9.772
		5788	Mid			14.13	14.48	17.32		6.121	6.492	9.681
		5844	High			14.13	14.48	17.32		6.021	6.384	9.577
	Low	5733	Low			-0.04	0.17	3.08		-5.138	-8.101	-3.001
		5788	Mid			-0.05	0.17	3.07		-5.390	-7.823	-3.068
		5844	High			-0.02	0.12	3.06		-5.055	-8.028	-2.922
HDRPL16	High	5733	Low	0.16		14.17	14.43	17.31		3.911	4.105	7.179
		5788	Mid			14.15	14.45	17.31		3.902	4.176	7.211
		5844	High			14.17	14.45	17.32		4.151	4.064	7.278
	Low	5733	Low			-0.01	0.17	3.09		-7.332	-10.011	-5.298
		5788	Mid			-0.02	0.18	3.09		-7.365	-9.971	-5.305
		5844	High			-0.02	0.12	3.06		-7.454	-10.203	-5.444



10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands

FCC §15.407(b)(1-3) -Un-Restricted bands

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz and 1.5 meters above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 kHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest channels in the 5 GHz bands.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

Note: The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as report in the table) using free space impedance of 377 Ohms. For example, the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y - 51.5 = Z$ dBuA/m, which has the same margin, W dB to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed and chamber measured test result is the worst-case test result.

RESULTS

10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. UNII-1 BAND SISO MODE – BANDEDGE – HIGH POWER

UNII-1 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	5162	6	* 5.150	39.67	Pk	34.4	-24.21	0	49.86	-	-	74	-24.14	140	124	H
			* 5.006778	42.32	Pk	34.3	-24.48	0	52.14	-	-	74	-21.86	140	124	H
			* 5.150	28.77	RMS	34.4	-24.21	1.15	40.11	54	-13.89	-	-	140	124	H
			* 5.008	30.7	RMS	34.3	-24.49	1.15	41.66	54	-12.34	-	-	140	124	H
			* 5.150	39.93	Pk	34.4	-24.21	0	50.12	-	-	74	-23.88	21	109	V
			* 5.107862	42.57	Pk	34.3	-24.45	0	52.42	-	-	74	-21.58	21	109	V
			* 5.150	28.04	RMS	34.4	-24.21	1.15	39.38	54	-14.62	-	-	21	109	V
			* 5.006111	30.16	RMS	34.3	-24.42	1.15	41.19	54	-12.81	-	-	21	109	V
		5	* 5.150	55.61	Pk	34.4	-35.3	0	54.71	-	-	74	-19.29	146	223	H
			* 5.035417	58.75	Pk	34.1	-35.3	0	57.55	-	-	74	-16.45	146	223	H
			* 5.150	44.86	RMS	34.4	-35.3	1.15	45.11	54	-8.89	-	-	146	223	H
			* 5.133918	46.23	RMS	34.4	-35.1	1.15	46.68	54	-7.32	-	-	146	223	H
			* 5.150	55.82	Pk	34.4	-35.3	0	54.92	-	-	74	-19.08	129	238	V
			* 5.148779	58.34	Pk	34.4	-35.1	0	57.64	-	-	74	-16.36	129	238	V
			* 5.150	45.01	RMS	34.4	-35.3	1.15	45.26	54	-8.74	-	-	129	238	V
			* 5.134168	46.35	RMS	34.4	-35.1	1.15	46.8	54	-7.2	-	-	129	238	V
LE1M	5162	6	* 5.15	56.58	Pk	34.1	-36.5	0	54.18	-	-	74	-19.82	271	204	H
			* 5.114723	58.6	Pk	34	-36.5	0	56.1	-	-	74	-17.9	271	204	H
			* 5.15	46.03	RMS	34.1	-36.5	0.72	44.35	54	-9.65	-	-	271	204	H
			* 5.081612	47.03	RMS	33.9	-36.7	0.72	44.95	54	-9.05	-	-	271	204	H
			* 5.15	55.47	Pk	34.1	-36.5	0	53.07	-	-	74	-20.93	258	222	V
			* 5.132112	58.49	Pk	34	-36.5	0	55.99	-	-	74	-18.01	258	222	V
			* 5.15	45.44	RMS	34.1	-36.5	0.72	43.76	54	-10.24	-	-	258	222	V
			* 5.101862	46.57	RMS	34	-36.6	0.72	44.69	54	-9.31	-	-	258	222	V
		5	5.019445	59.93	Pk	34.1	-38.62	0	55.41	-	-	74	-18.59	201	169	H
			5.148168	47.83	RMS	34.3	-38.34	0.72	44.51	54	-9.49	-	-	201	169	H
			5.15	59.12	Pk	34.3	-38.27	0	55.15	-	-	74	-18.85	201	169	H
			5.15	47.14	RMS	34.3	-38.27	0.72	43.89	54	-10.11	-	-	201	169	H
			5.123668	60.32	Pk	34.2	-38.26	0	56.26	-	-	74	-17.74	212	214	V
			5.149946	48.33	RMS	34.3	-38.27	0.72	45.08	54	-8.92	-	-	212	214	V
			5.15	57.24	Pk	34.3	-38.27	0	53.27	-	-	74	-20.73	212	214	V
			5.15	46.35	RMS	34.3	-38.27	0.72	43.1	54	-10.9	-	-	212	214	V
LE2M	5162	6	* 5.150	40.2	Pk	34.4	-24.21	0	50.39	-	-	74	-23.61	140	124	H
			* 5.140057	42.32	Pk	34.4	-24.12	0	52.6	-	-	74	-21.4	140	124	H
			* 5.150	28.8	RMS	34.4	-24.21	2.44	41.43	54	-12.57	-	-	140	124	H
			* 5.0085	30.48	RMS	34.3	-24.49	2.44	42.73	54	-11.27	-	-	140	124	H
			* 5.150	38.9	Pk	34.4	-24.21	0	49.09	-	-	74	-24.91	21	109	V
			* 5.133862	41.74	Pk	34.4	-24.12	0	52.02	-	-	74	-21.98	21	109	V
			* 5.150	28.27	RMS	34.4	-24.21	2.44	40.9	54	-13.1	-	-	21	109	V
			* 5.004139	30.42	RMS	34.3	-24.45	2.44	42.71	54	-11.29	-	-	21	109	V
		5	* 5.048639	59.28	Pk	34.4	-35.76	0	57.92	-	-	74	-16.08	258	127	H
			* 5.15	55.97	Pk	34.4	-35.43	0	54.94	-	-	74	-19.06	258	127	H
			* 5.008111	46.68	RMS	34.3	-35.73	2.44	47.69	54	-6.31	-	-	258	127	H
			* 5.15	45.53	RMS	34.4	-35.43	2.44	46.94	54	-7.06	-	-	258	127	H
			* 5.015945	58.19	Pk	34.3	-35.57	0	56.92	-	-	74	-17.08	274	245	V
			* 5.15	55.18	Pk	34.4	-35.43	0	54.15	-	-	74	-19.85	274	245	V
			* 5.008861	46.77	RMS	34.3	-35.7	2.44	47.82	54	-6.18	-	-	274	245	V
			* 5.15	45.32	RMS	34.4	-35.43	2.44	46.74	54	-7.26	-	-	274	245	V
HDT4	5162	6	* 5.15	39.9	Pk	34.1	-17.8	0	56.2	-	-	74	-17.8	43	121	H
			* 5.080135	41.68	Pk	34.2	-17.4	0	58.48	-	-	74	-15.52	43	121	H
			* 5.15	29.23	RMS	34.1	-17.8	0.3	45.83	54	-8.17	-	-	43	121	H
			* 5.000406	29.62	RMS	34	-17.3	0.3	46.62	54	-7.38	-	-	43	121	H
			* 5.15	38.3	Pk	34.1	-17.8	0	54.6	-	-	74	-19.4	122	371	V
			* 5.009783	41.14	Pk	34	-17.2	0	57.94	-	-	74	-16.06	122	371	V
			* 5.15	27.86	RMS	34.1	-17.8	0.3	44.46	54	-9.54	-	-	122	371	V
			* 5.004251	29.38	RMS	34	-17.2	0.3	46.48	54	-7.52	-	-	122	371	V
		5	* 5.50	38.76	Pk	34.4	-24.21	0	48.95	-	-	74	-25.05	16	242	H
			* 5.00725	42.93	Pk	34.3	-24.5	0	52.73	-	-	74	-21.27	16	242	H
			* 5.150	28.53	RMS	34.4	-24.21	0.3	39.02	54	-14.98	-	-	16	242	H
			* 5.000722	30.48	RMS	34.3	-24.44	0.3	40.64	54	-13.36	-	-	16	242	H
			* 5.150	38.25	Pk	34.4	-24.21	0	48.44	-	-	74	-25.56	19	200	V
			* 5.075001	42.91	Pk	34.3	-24.54	0	52.67	-	-	74	-21.33	19	200	V
			* 5.150	28.42	RMS	34.4	-24.21	0.3	38.91	54	-15.09	-	-	19	200	V
			* 5.006194	30.43	RMS	34.3	-24.43	0.3	40.6	54	-13.4	-	-	19	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNII-1 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDT6	5162	6	* 5.15	39.09	Pk	34.1	-17.8	0	55.39	-	-	74	-18.61	55	104	H
			* 5.006938	41.3	Pk	34	-17.3	0	58	-	-	74	-16	55	104	H
			* 5.15	28.25	RMS	34.1	-17.8	0.43	44.98	54	-9.02	-	-	55	104	H
			* 5.008501	29.37	RMS	34	-17.2	0.43	46.6	54	-7.4	-	-	55	104	H
			* 5.15	39.55	Pk	34.1	-17.8	0	55.85	-	-	74	-18.15	20	253	V
			* 5.006157	41.39	Pk	34	-17.3	0	58.09	-	-	74	-15.91	20	253	V
		5	* 5.15	28.59	RMS	34.1	-17.8	0.43	45.32	54	-8.68	-	-	20	253	V
			* 5.00997	29.53	RMS	34	-17.2	0.43	46.76	54	-7.24	-	-	20	253	V
			5.137251	60.24	Pk	34.2	-38.53	0	55.91	-	-	74	-18.09	13	260	H
			5.149001	48	RMS	34.3	-38.32	0.43	44.41	54	-9.59	-	-	13	260	H
			5.15	57.34	Pk	34.3	-38.27	0	53.37	-	-	74	-20.63	13	260	H
			5.15	46.91	RMS	34.3	-38.27	0.43	43.37	54	-10.63	-	-	13	260	H
			5.123223	59.45	Pk	34.2	-38.26	0	55.39	-	-	74	-18.61	28	217	V
			5.140362	48.05	RMS	34.2	-38.52	0.43	44.16	54	-9.84	-	-	28	217	V
			5.15	56.58	Pk	34.3	-38.27	0	52.61	-	-	74	-21.39	28	217	V
			5.15	47.54	RMS	34.3	-38.27	0.43	44	54	-10	-	-	28	217	V
HDRPS2	5162	6	* 5.15	58.23	Pk	34.6	-37.9	0	54.93	-	-	74	-19.07	322	117	H
			* 5.11289	60.06	Pk	34.6	-37.99	0	56.67	-	-	74	-17.33	322	117	H
			* 5.15	47.51	RMS	34.6	-37.9	0.35	44.56	54	-9.44	-	-	322	117	H
			* 5.134057	48.23	RMS	34.6	-37.9	0.35	45.28	54	-8.72	-	-	322	117	H
			* 5.15	57.34	Pk	34.6	-37.9	0	54.04	-	-	74	-19.96	40	119	V
			* 5.126251	59.73	Pk	34.6	-37.77	0	56.56	-	-	74	-17.44	40	119	V
		5	* 5.15	46.19	RMS	34.6	-37.9	0.35	43.24	54	-10.76	-	-	40	119	V
			* 5.091667	47.98	RMS	34.5	-38	0.35	44.83	54	-9.17	-	-	40	119	V
			* 5.15	55.77	Pk	34.4	-37.9	0	52.27	-	-	74	-21.73	169	104	H
			* 5.132473	59.21	Pk	34.4	-38	0	55.61	-	-	74	-18.39	169	104	H
			* 5.15	45.8	RMS	34.4	-37.9	0.35	42.65	54	-11.35	-	-	169	104	H
			* 5.000361	47.37	RMS	34.4	-38	0.35	44.12	54	-9.88	-	-	169	104	H
			* 5.15	56.34	Pk	34.4	-37.9	0	52.84	-	-	74	-21.16	91	131	V
			* 5.044806	59.63	Pk	34.4	-38	0	56.03	-	-	74	-17.97	91	131	V
			* 5.15	46.19	RMS	34.4	-37.9	0.35	43.04	54	-10.96	-	-	91	131	V
			* 5.006056	47.31	RMS	34.4	-38.1	0.35	43.96	54	-10.04	-	-	91	131	V
XHDRPM8	5162	6	* 5.15	38.74	Pk	34.1	-17.8	0	55.04	-	-	74	-18.96	288	110	H
			* 5.009751	40.4	Pk	34	-17.2	0	57.2	-	-	74	-16.8	288	110	H
			* 5.15	27.99	RMS	34.1	-17.8	0.36	44.65	54	-9.35	-	-	288	110	H
			* 5.003625	29.36	RMS	34	-17.3	0.36	46.42	54	-7.58	-	-	288	110	H
			* 5.15	38.51	Pk	34.1	-17.8	0	54.81	-	-	74	-19.19	114	305	V
			* 5.006751	41.3	Pk	34	-17.3	0	58	-	-	74	-16	114	305	V
		5	* 5.15	27.88	RMS	34.1	-17.8	0.36	44.54	54	-9.46	-	-	114	305	V
			* 5.003719	29.3	RMS	34	-17.3	0.36	46.36	54	-7.64	-	-	114	305	V
			* 5.150	38.93	Pk	34.4	-24.21	0	49.12	-	-	74	-24.88	10	261	H
			* 5.008111	42.83	Pk	34.3	-24.49	0	52.64	-	-	74	-21.36	10	261	H
			* 5.150	28.83	RMS	34.4	-24.21	0.36	39.38	54	-14.62	-	-	10	261	H
			* 5.009889	30.69	RMS	34.3	-24.48	0.36	40.87	54	-13.13	-	-	10	261	H
			* 5.150	39.85	Pk	34.4	-24.21	0	50.04	-	-	74	-23.96	20	185	V
			* 5.078334	42.44	Pk	34.3	-24.55	0	52.19	-	-	74	-21.81	20	185	V
			* 5.150	28.43	RMS	34.4	-24.21	0.36	38.98	54	-15.02	-	-	20	185	V
			* 5.003611	30.65	RMS	34.3	-24.44	0.36	40.87	54	-13.13	-	-	20	185	V
HDRPL16	5164	6	* 5.15	41.28	Pk	34.1	-17.8	0	57.58	-	-	74	-16.42	224	107	H
			* 5.149707	43.75	Pk	34.1	-17.8	0	60.05	-	-	74	-13.95	224	107	H
			* 5.15	30.59	RMS	34.1	-17.8	0.16	47.05	54	-6.95	-	-	224	107	H
			* 5.149769	30.82	RMS	34.1	-17.8	0.16	47.28	54	-6.72	-	-	224	107	H
			* 5.15	39.49	Pk	34.1	-17.8	0	55.79	-	-	74	-18.21	306	149	V
			* 5.003969	41.35	Pk	34	-17.3	0	58.05	-	-	74	-15.95	306	149	V
		5	* 5.15	28.57	RMS	34.1	-17.8	0.16	45.03	54	-8.97	-	-	306	149	V
			* 5.005813	29.37	RMS	34	-17.3	0.16	46.23	54	-7.77	-	-	306	149	V
			5.15	58.2	Pk	34.6	-39.2	0	53.6	-	-	74	-20.4	288	368	H
			5.038028	60.17	Pk	34.5	-39.39	0	55.28	-	-	74	-18.72	288	368	H
			5.15	47.34	RMS	34.6	-39.2	0.16	42.9	54	-11.1	-	-	288	368	H
			5.001361	48.59	RMS	34.5	-39.25	0.16	44	54	-10	-	-	288	368	H
			5.15	59.19	Pk	34.6	-39.2	0	54.59	-	-	74	-19.41	346	206	V
			5.149918	60.77	Pk	34.6	-39.2	0	56.17	-	-	74	-17.83	346	206	V
			5.15	48.99	RMS	34.6	-39.2	0.16	44.55	54	-9.45	-	-	346	206	V
			5.149668	49.01	RMS	34.6	-39.19	0.16	44.58	54	-9.42	-	-	346	206	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

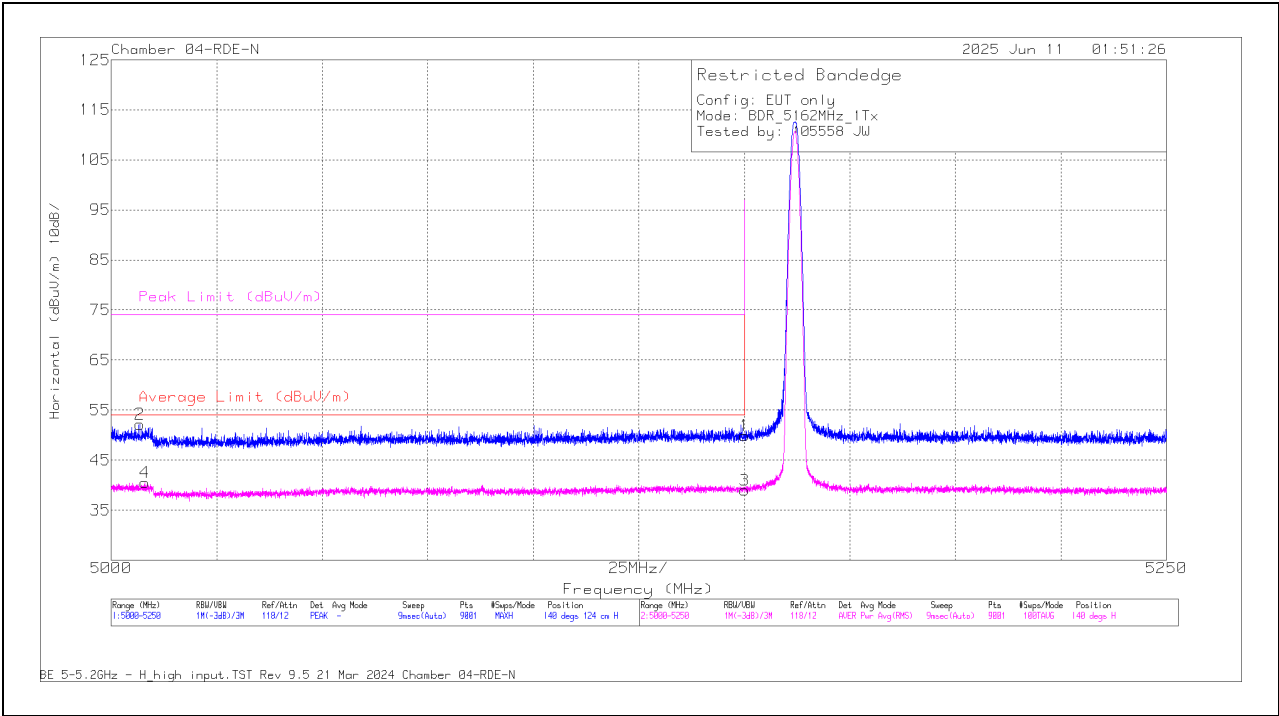
Pk - Peak detector

RMS - RMS detection

1TX Antenna 6

BANDEDGE (LOW CHANNEL)

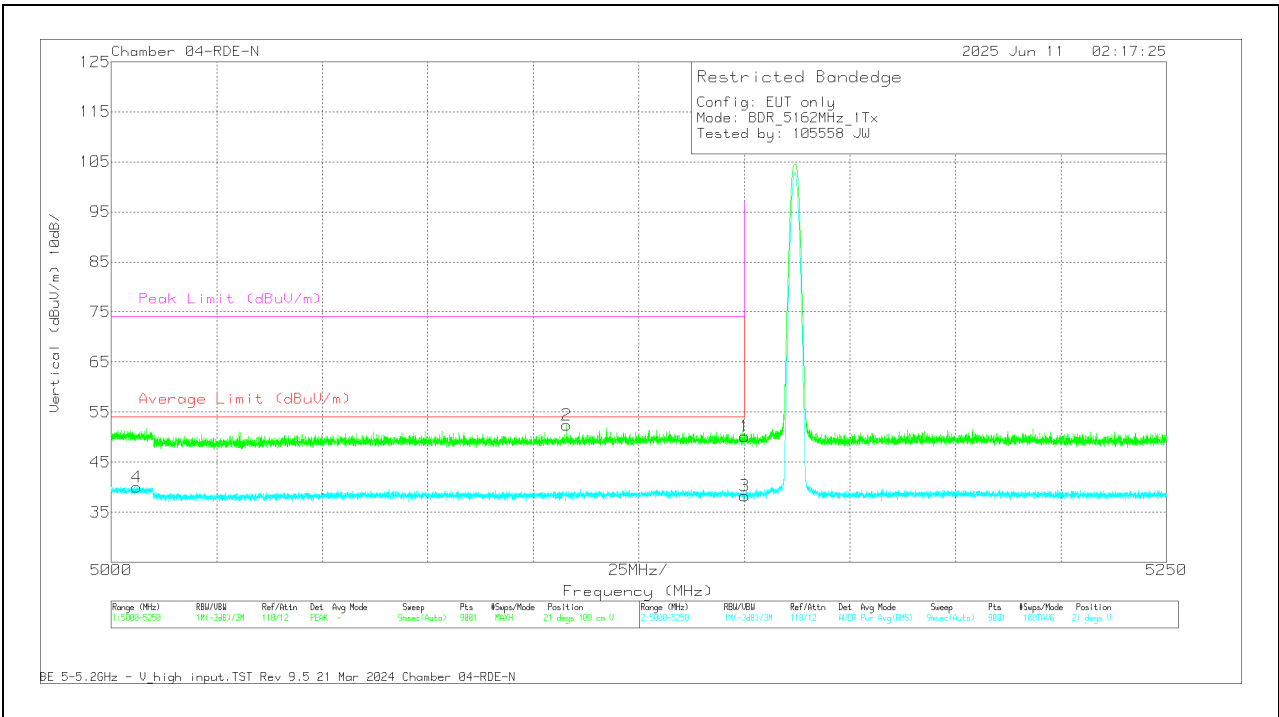
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	41112 ACF (dB/m)	Gain/Loss (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	39.67	Pk	34.4	-24.21	0	49.86	-	-	74	-24.14	140	124	H
2	* 5006.778	42.32	Pk	34.3	-24.48	0	52.14	-	-	74	-21.86	140	124	H
3	* 5150	28.77	RMS	34.4	-24.21	1.15	40.11	54	-15.04	-	-	140	124	H
4	* 5008	30.7	RMS	34.3	-24.49	1.15	41.66	54	-13.49	-	-	140	124	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	41112 ACF (dB/m)	Gain/Loss (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	39.93	Pk	34.4	-24.21	0	50.12	-	-	74	-23.88	21	109	V
2	* 5107.862	42.57	Pk	34.3	-24.45	0	52.42	-	-	74	-21.58	21	109	V
3	* 5150	28.04	RMS	34.4	-24.21	1.15	39.38	54	-15.77	-	-	21	109	V
4	* 5006.111	30.16	RMS	34.3	-24.42	1.15	41.19	54	-13.96	-	-	21	109	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

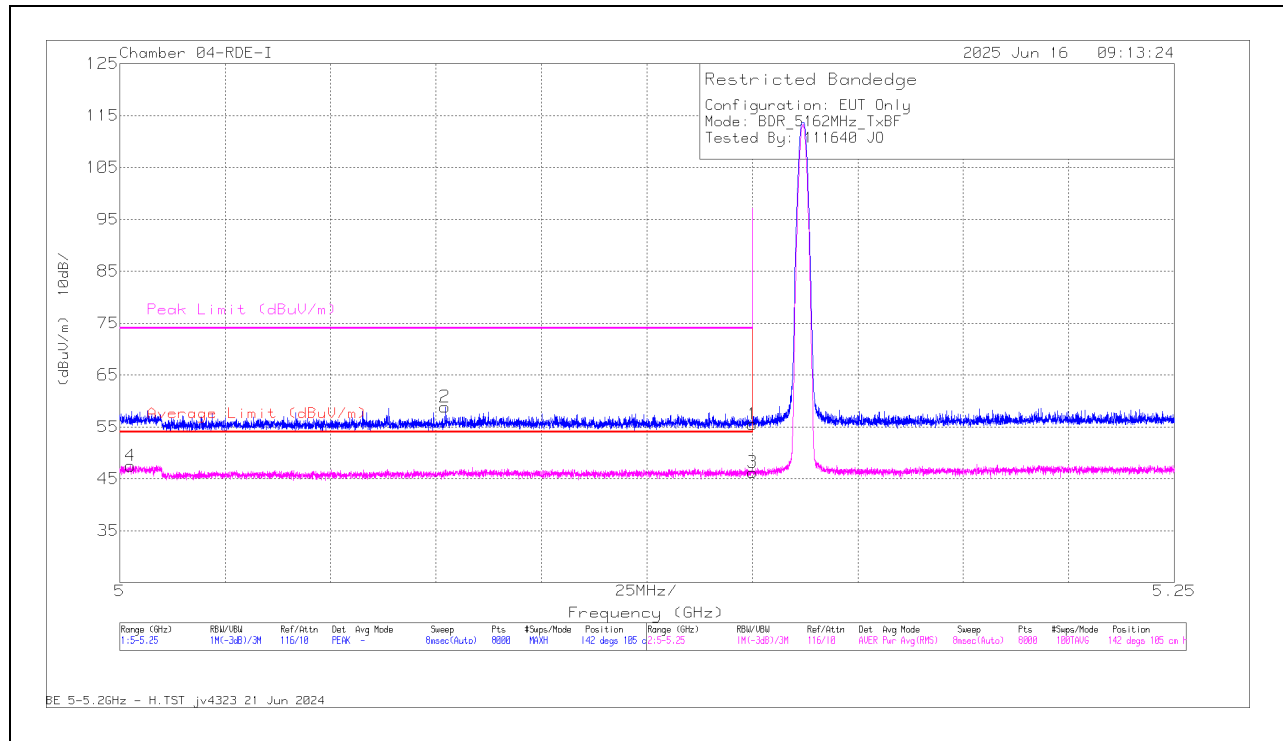
10.1.2. UNII-1 BAND MIMO TXBF MODE – BANDEDGE – HIGH POWER

UNII-1 (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	5162	6 + 5	* 5.15	39.21	Pk	34.1	-17.8	0	55.51	-	-	74	-18.49	142	105	H
			* 5.077135	42.16	Pk	34.1	-17.4	0	58.86	-	-	74	-15.14	142	105	H
			* 5.15	28.79	RMS	34.1	-17.8	1.15	46.24	54	-7.76	-	-	142	105	H
			* 5.002563	29.64	RMS	34	-17.3	1.15	47.49	54	-6.51	-	-	142	105	H
			* 5.15	39.85	Pk	34.1	-17.8	0	56.15	-	-	74	-17.85	99	144	V
			* 5.001469	41.71	Pk	34	-17.3	0	58.41	-	-	74	-15.59	99	144	V
			* 5.15	27.98	RMS	34.1	-17.8	1.15	45.43	54	-8.57	-	-	99	144	V
			* 5.006282	29.12	RMS	34	-17.3	1.15	46.97	54	-7.03	-	-	99	144	V
LE1M	5162	6 + 5	5.15	58.02	Pk	34.6	-39.2	0	53.42	-	-	74	-20.58	237	243	H
			5.008306	60.66	Pk	34.5	-39.33	0	55.83	-	-	74	-18.17	237	243	H
			5.15	46.82	RMS	34.6	-39.2	0.72	42.94	54	-11.06	-	-	237	243	H
			5.130751	47.54	RMS	34.6	-39.19	0.72	43.67	54	-10.33	-	-	237	243	H
			5.15	57.48	Pk	34.6	-39.2	0	52.88	-	-	74	-21.12	234	196	V
			5.146307	60.15	Pk	34.6	-39.14	0	55.61	-	-	74	-18.39	234	196	V
			5.15	47.07	RMS	34.6	-39.2	0.72	43.19	54	-10.81	-	-	234	196	V
			5.006222	48.63	RMS	34.5	-39.39	0.72	44.46	54	-9.54	-	-	234	196	V
LE2M	5162	6 + 5	* 5.15	38.52	Pk	34.1	-17.8	0	54.82	-	-	74	-19.18	68	262	H
			* 5.120953	41.33	Pk	34.1	-17.7	0	57.73	-	-	74	-16.27	68	262	H
			* 5.15	28.89	RMS	34.1	-17.8	2.44	47.63	54	-6.37	-	-	68	262	H
			* 5.003938	29.65	RMS	34	-17.3	2.44	48.79	54	-5.21	-	-	68	262	H
			* 5.15	38.26	Pk	34.1	-17.8	0	54.56	-	-	74	-19.44	93	260	V
			* 5.002469	40.99	Pk	34	-17.3	0	57.69	-	-	74	-16.31	93	260	V
			* 5.15	28.2	RMS	34.1	-17.8	2.44	46.94	54	-7.06	-	-	93	260	V
			* 5.004594	29.32	RMS	34	-17.2	2.44	48.56	54	-5.44	-	-	93	260	V
HDT4	5162	6 + 5	* 5.15	39.43	Pk	34.1	-17.8	0	55.73	-	-	74	-18.27	140	112	H
			* 5.078385	41.85	Pk	34.2	-17.4	0	58.65	-	-	74	-15.35	140	112	H
			* 5.15	29.17	RMS	34.1	-17.8	0.3	45.77	54	-8.23	-	-	140	112	H
			* 5.009564	30.09	RMS	34	-17.2	0.3	47.19	54	-6.81	-	-	140	112	H
			* 5.004751	29.51	RMS	34	-17.2	0.3	46.61	54	-7.39	-	-	99	157	V
			* 5.007845	41.6	Pk	34	-17.3	0	58.3	-	-	74	-15.7	99	157	V
			* 5.15	39.39	Pk	34.1	-17.8	0	55.69	-	-	74	-18.31	99	157	V
			* 5.15	27.86	RMS	34.1	-17.8	0.3	44.46	54	-9.54	-	-	99	157	V
HDT6	5162	6 + 5	5.123307	59.84	Pk	34.2	-38.26	0	55.78	-	-	74	-18.22	28	194	H
			5.14939	48.23	RMS	34.3	-38.3	0.43	44.66	54	-9.34	-	-	28	194	H
			5.15	57.7	Pk	34.3	-38.27	0	53.73	-	-	74	-20.27	28	194	H
			5.15	47.15	RMS	34.3	-38.27	0.43	43.61	54	-10.39	-	-	28	194	H
			5.106584	60.1	Pk	34.2	-38.63	0	55.67	-	-	74	-18.33	28	228	V
			5.149973	47.88	RMS	34.3	-38.27	0.43	44.34	54	-9.66	-	-	28	228	V
			5.15	57.5	Pk	34.3	-38.27	0	53.53	-	-	74	-20.47	28	228	V
			5.15	47.47	RMS	34.3	-38.27	0.43	43.93	54	-10.07	-	-	28	228	V
HDRPS2	5162	6 + 5	* 5.15	39.09	Pk	34.1	-17.8	0	55.39	-	-	74	-18.61	108	119	H
			* 5.007782	40.86	Pk	34	-17.3	0	57.56	-	-	74	-16.44	108	119	H
			* 5.15	28.1	RMS	34.1	-17.8	0.35	44.75	54	-9.25	-	-	108	119	H
			* 5.004219	29.43	RMS	34	-17.2	0.35	46.58	54	-7.42	-	-	108	119	H
			* 5.15	38.72	Pk	34.1	-17.8	0	55.02	-	-	74	-18.98	98	112	V
			* 5.003907	40.94	Pk	34	-17.3	0	57.64	-	-	74	-16.36	98	112	V
			* 5.15	28.08	RMS	34.1	-17.8	0.35	44.73	54	-9.27	-	-	98	112	V
			* 5.001719	29.49	RMS	34	-17.3	0.35	46.54	54	-7.46	-	-	98	112	V
XHDRPM8	5162	6 + 5	* 5.15	39.23	Pk	34.1	-17.8	0	55.53	-	-	74	-18.47	285	171	H
			* 5.000813	41.57	Pk	34	-17.3	0	58.27	-	-	74	-15.73	285	171	H
			* 5.15	28.23	RMS	34.1	-17.8	0.36	44.89	54	-9.11	-	-	285	171	H
			* 5.007626	29.38	RMS	34	-17.3	0.36	46.44	54	-7.56	-	-	285	171	H
			* 5.15	38.03	Pk	34.1	-17.8	0	54.33	-	-	74	-19.67	274	153	V
			* 5.145081	41.5	Pk	34.1	-17.8	0	57.8	-	-	74	-16.2	274	153	V
			* 5.15	28.02	RMS	34.1	-17.8	0.36	44.68	54	-9.32	-	-	274	153	V
			* 5.004157	29.29	RMS	34	-17.2	0.36	46.45	54	-7.55	-	-	274	153	V
HDRPL16	5164	6 + 5	* 5.15	39.88	Pk	34.1	-17.8	0	56.18	-	-	74	-17.82	63	100	H
			* 5.001188	41.43	Pk	34	-17.3	0	58.13	-	-	74	-15.87	63	100	H
			* 5.15	29.23	RMS	34.1	-17.8	0.16	45.69	54	-8.31	-	-	63	100	H
			* 5.009376	29.62	RMS	34	-17.2	0.16	46.58	54	-7.42	-	-	63	100	H
			* 5.15	39.24	Pk	34.1	-17.8	0	55.54	-	-	74	-18.46	101	136	V
			* 5.009001	41.21	Pk	34	-17.2	0	58.01	-	-	74	-15.99	101	136	V
			* 5.15	28.38	RMS	34.1	-17.8	0.16	44.84	54	-9.16	-	-	101	136	V
			* 5.006751	29.55	RMS	34	-17.3	0.16	46.41	54	-7.59	-	-	101	136	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

2TX Antenna 6 + Antenna 5 TX BF MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

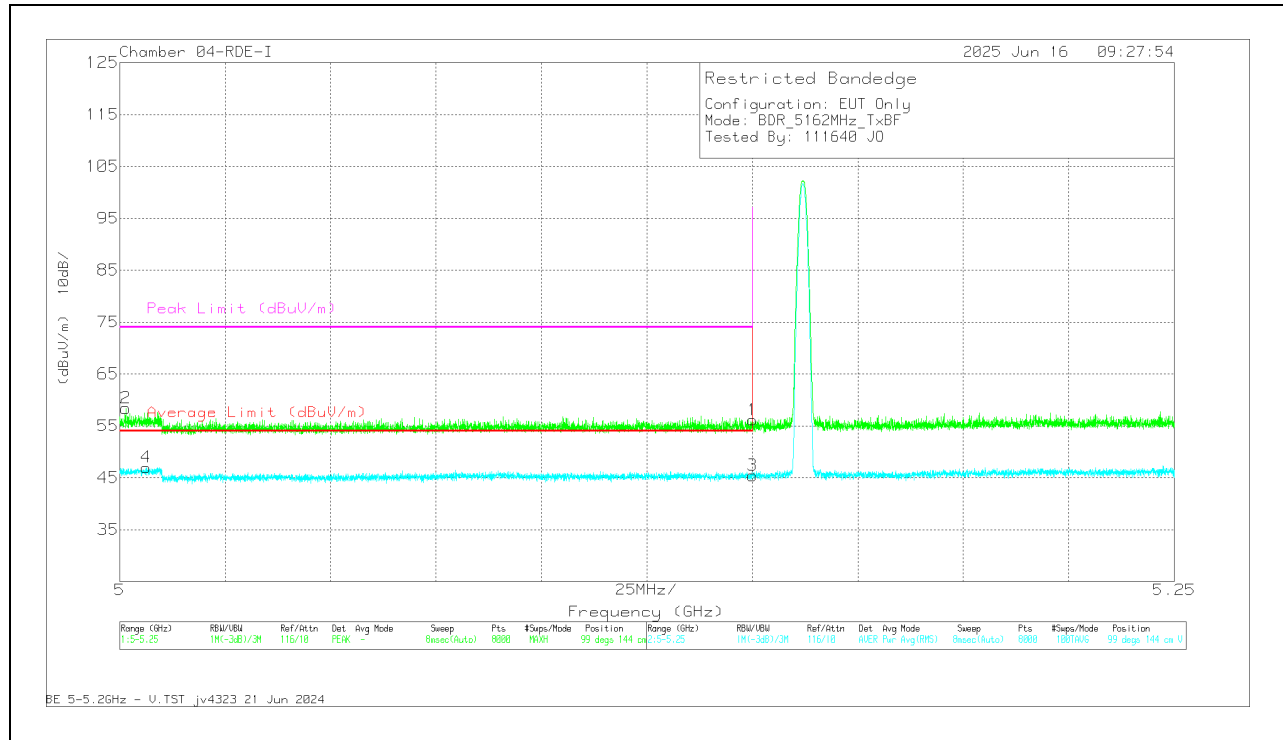
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.21	Pk	34.1	-17.8	0	55.51	-	-	74	-18.49	142	105	H
2	* 5.077135	42.16	Pk	34.1	-17.4	0	58.86	-	-	74	-15.14	142	105	H
3	* 5.15	28.79	RMS	34.1	-17.8	1.15	46.24	54	-7.73	-	-	142	105	H
4	* 5.002563	29.64	RMS	34	-17.3	1.15	47.49	54	-6.48	-	-	142	105	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.85	Pk	34.1	-17.8	0	56.15	-	-	74	-17.85	99	144	V
2	* 5.001469	41.71	Pk	34	-17.3	0	58.41	-	-	74	-15.59	99	144	V
3	* 5.15	27.98	RMS	34.1	-17.8	1.15	45.43	54	-8.54	-	-	99	144	V
4	* 5.006282	29.12	RMS	34	-17.3	1.15	46.97	54	-7	-	-	99	144	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.1.3. UNII-1 MIMO TXBF BAND – SPURIOUS EMISSIONS – HIGH POWER

UNII-1 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	5162	6 + 5	1.812557	34.3	ADR	30.5	-27.05	1.15	38.9	-	-	-	-	180	203	V
			1.816113	45.91	PK-U	30.5	-27.02	0	49.39	-	-	68.2	-18.81	180	203	V
			1.820283	46.29	PK-U	30.6	-27.08	0	49.81	-	-	68.2	-18.39	211	138	H
			1.823653	34.24	ADR	30.6	-27.07	1.15	38.92	-	-	-	-	211	138	H
			2.148736	45.71	PK-U	31.5	-26.7	0	50.51	-	-	68.2	-17.69	307	261	V
			2.166285	45.64	PK-U	31.4	-26.76	0	50.28	-	-	68.2	-17.92	164	148	H
			2.166302	34.11	ADR	31.4	-26.76	1.15	39.9	-	-	-	-	307	261	V
			2.175873	33.94	ADR	31.4	-26.65	1.15	39.84	-	-	-	-	164	148	H
			2.97372	34.74	ADR	32.8	-25.7	1.15	42.99	-	-	-	-	51	340	H
			2.977727	46.56	PK-U	32.8	-25.75	0	53.61	-	-	68.2	-14.59	51	340	H
			2.982614	46.57	PK-U	32.8	-25.63	0	53.74	-	-	68.2	-14.46	210	245	V
			2.989369	34.81	ADR	32.8	-25.69	1.15	43.07	-	-	-	-	210	245	V
			1.952284	45.92	PK-U	31.6	-26.86	0	50.66	-	-	68.2	-17.54	161	296	H
			1.958788	45.68	PK-U	31.6	-26.94	0	50.34	-	-	68.2	-17.86	284	264	V
			1.961853	33.86	ADR	31.6	-26.87	1.15	39.74	-	-	-	-	284	264	V
			1.967842	33.76	ADR	31.6	-26.91	1.15	39.6	-	-	-	-	161	296	H
			2.60631	46.6	PK-U	32.5	-26.14	0	52.96	-	-	68.2	-15.24	326	381	V
			2.606735	34.74	ADR	32.5	-26.13	1.15	42.26	-	-	-	-	330	353	H
	5203	6 + 5	2.610859	34.64	ADR	32.5	-26.06	1.15	42.23	-	-	-	-	326	381	V
			2.610953	46.12	PK-U	32.5	-26.06	0	52.56	-	-	68.2	-15.64	330	353	H
			3.234395	34.04	ADR	33	-25.64	1.15	42.55	-	-	-	-	56	112	V
			3.238635	34.01	ADR	33	-25.59	1.15	42.57	-	-	-	-	260	210	H
			3.246365	46.14	PK-U	33	-25.64	0	53.5	-	-	68.2	-14.7	56	112	V
			3.249322	45.86	PK-U	33	-25.62	0	53.24	-	-	68.2	-14.96	260	210	H
			* 13.327848	55.62	PK-U	39	-43.42	0	51.2	-	-	74	-22.8	82	264	V
			* 13.321101	44.02	ADR	39	-43.46	1.15	40.71	54	-13.29	-	-	82	264	V
			2.958724	46.59	PK-U	32.7	-25.78	0	53.51	-	-	68.2	-14.69	234	315	V
			2.964316	34.66	ADR	32.7	-25.76	1.15	42.75	-	-	-	-	234	315	V
			2.980382	34.85	ADR	32.8	-25.66	1.15	43.14	-	-	-	-	233	284	H
			2.992203	46.58	PK-U	32.8	-25.68	0	53.7	-	-	68.2	-14.5	233	284	H
			9.731036	56.96	PK-U	37.2	-45.42	0	48.74	-	-	68.2	-19.46	244	250	V
			9.731777	45.21	ADR	37.2	-45.42	1.15	38.14	-	-	-	-	244	250	V
			9.735668	45.13	ADR	37.2	-45.44	1.15	38.04	-	-	-	-	165	251	H
			9.764443	56.63	PK-U	37.3	-45.3	0	48.63	-	-	68.2	-19.57	165	251	H
			13.409837	44.58	ADR	39	-43.22	1.15	41.51	-	-	-	-	295	396	H
LE1M	5162	6 + 5	13.410428	56.16	PK-U	39	-43.23	0	51.93	-	-	68.2	-16.27	295	396	H
			* 15.499156	52.39	PK-U	40.4	-38.22	0	54.57	-	-	74	-19.43	285	248	H
			* 15.466916	40.5	ADR	40.3	-38.3	0.72	43.22	54	-10.78	-	-	285	248	H
			* 15.480444	51.82	PK-U	40.4	-38.2	0	54.02	-	-	74	-19.98	328	332	V
			* 15.467467	39.89	ADR	40.3	-38.3	0.72	42.61	54	-11.39	-	-	328	332	V
			2.561191	48.71	ADR	32.8	-48.18	0.72	34.05	-	-	-	-	70	283	V
			2.562491	48.4	ADR	32.8	-48.1	0.72	33.82	-	-	-	-	13	117	H
			2.564191	60.13	PK-U	32.8	-48.02	0	44.91	-	-	68.2	-23.29	70	283	V
			2.569238	59.94	PK-U	32.8	-48.08	0	44.66	-	-	68.2	-23.54	13	117	H
			10.308917	44.11	ADR	38	-44.2	0.72	38.63	-	-	-	-	88	213	H
			10.309166	55.98	PK-U	38	-44.2	0	49.78	-	-	68.2	-18.42	88	213	H
			10.315166	44	ADR	38	-43.98	0.72	38.74	-	-	-	-	217	199	V
			10.318753	55.94	PK-U	38	-43.8	0	50.14	-	-	68.2	-18.06	217	199	V
			* 1.287083	62.78	PK-U	29	-49.6	0	42.18	-	-	74	-31.82	2	101	H
			* 1.28545	51.1	ADR	29	-49.64	0.72	31.18	54	-22.82	-	-	2	101	H
			* 3.731547	56.57	PK-U	33.7	-46.4	0	43.87	-	-	74	-30.13	2	101	H
			* 3.70774	44.84	ADR	33.7	-46.03	0.72	33.23	54	-20.77	-	-	2	101	H
			* 1.289354	62.69	PK-U	29	-49.6	0	42.09	-	-	74	-31.91	2	101	V
			* 1.284881	50.79	ADR	29	-49.6	0.72	30.91	54	-23.09	-	-	2	101	V
			* 3.714184	56.73	PK-U	33.7	-46.12	0	44.31	-	-	74	-29.69	2	101	V
			* 3.707818	45	ADR	33.7	-46.02	0.72	33.4	54	-20.6	-	-	2	101	V
			* 10.830847	54.54	PK-U	38.3	-42.62	0	50.22	-	-	74	-23.78	2	101	H
			* 10.864678	42.91	ADR	38.3	-42.5	0.72	39.43	54	-14.57	-	-	2	101	H
			* 10.831345	55.08	PK-U	38.3	-42.63	0	50.75	-	-	74	-23.25	2	101	V
			* 10.824314	42.88	ADR	38.3	-42.7	0.72	39.2	54	-14.8	-	-	2	101	V
	5245	6 + 5	2.65794	60.3	PK-U	32.7	-49.53	0	43.47	-	-	74	-30.53	283	353	H
			2.658233	48.52	ADR	32.7	-49.53	0.72	32.41	54	-21.59	-	-	283	353	H
			2.667615	60.34	PK-U	32.7	-49.53	0	43.51	-	-	74	-30.49	337	218	V
			2.668409	48.52	ADR	32.7	-49.53	0.72	32.41	54	-21.59	-	-	337	218	V
			10.615838	56.9	PK-U	37.7	-45.55	0	49.05	-	-	74	-24.95	201	243	H
			10.610251	44.76	ADR	37.7	-45.61	0.72	37.57	54	-16.43	-	-	201	243	H
			15.977634	54.05	PK-U	41.1	-42.16	0	52.99	-	-	74	-21.01	16	255	H
			15.980283	42.51	ADR	41.1	-42.19	0.72	42.14	54	-11.86	-	-	16	255	H
			10.622111	56.88	PK-U	37.7	-45.55	0	49.03	-	-	74	-24.97	222	139	V
			10.612538	44.85	ADR	37.7	-45.6	0.72	37.67	54	-16.33	-	-	222	139	V
			15.961604	54.09	PK-U	41.1	-41.89	0	53.3	-	-	74	-20.7	25	237	V
			15.97032	42.25	ADR	41.1	-42.02	0.72	42.05	54	-11.95	-	-	25	237	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNII-1 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	
LE2M	5162	6 + 5	* 3.352525	33.7	ADR	32.9	-25.59	2.44	43.45	54	-10.55	-	-	3	396	H	
			* 3.355349	45.85	PK-U	32.9	-25.55	0	53.2	-	-	-	74	-20.8	3	328	V
			* 3.350179	33.83	ADR	32.9	-25.58	2.44	43.59	54	-10.41	-	-	-	3	328	V
			3.366244	46.03	PK-U	32.9	-25.59	0	53.34	-	-	68.2	-14.86	3	396	H	
			10.496413	57.36	PK-U	37.6	-45.46	0	49.5	-	-	68.2	-18.7	357	360	V	
			10.498003	45.52	ADR	37.6	-45.45	2.44	40.11	-	-	-	-	-	357	360	V
			10.506639	57.47	PK-U	37.6	-45.54	0	49.53	-	-	68.2	-18.67	240	173	H	
			10.516092	45.46	ADR	37.6	-45.45	2.44	40.05	-	-	-	-	-	240	173	H
			15.140758	56.48	PK-U	39.9	-43.44	0	52.94	-	-	68.2	-15.26	5	291	H	
			15.148131	44.78	ADR	39.9	-43.47	2.44	43.65	-	-	-	-	-	5	291	H
			15.165177	57.19	PK-U	39.9	-43.01	0	54.08	-	-	68.2	-14.12	343	308	V	
			15.17941	44.82	ADR	39.9	-42.69	2.44	44.47	-	-	-	-	-	343	308	V
			* 2.661359	46.58	PK-U	32.4	-26.09	0	52.89	-	-	74	-21.11	127	195	V	
			* 2.676532	34.47	ADR	32.4	-26	2.44	43.31	54	-10.69	-	-	-	127	195	V
			2.58735	46.51	PK-U	32.5	-26.31	0	52.7	-	-	68.2	-15.5	4	348	H	
	2.601727	34.45	ADR	32.5	-26.24	2.44	43.15	-	-	-	-	-	4	348	H		
	6.361847	57.65	PK-U	35.6	-46.28	0	46.97	-	-	68.2	-21.23	204	381	V			
	6.381768	45.81	ADR	35.6	-46.48	2.44	37.37	-	-	-	-	-	204	381	V		
	6.468229	44.79	ADR	35.6	-46.17	2.44	36.66	-	-	-	-	-	250	287	H		
	6.483163	57.01	PK-U	35.6	-46.17	0	46.44	-	-	68.2	-21.76	250	287	H			
	9.576335	45.61	ADR	37.1	-45.22	2.44	39.93	-	-	-	-	-	356	394	V		
	9.585191	58.55	PK-U	37.1	-45.23	0	50.42	-	-	68.2	-17.78	356	394	V			
	9.772838	45.17	ADR	37.3	-45.2	2.44	39.71	-	-	-	-	-	335	361	H		
	9.780056	56.99	PK-U	37.3	-45.17	0	49.12	-	-	68.2	-19.08	335	361	H			
	2.98782	34.65	ADR	32.8	-25.66	2.44	44.23	-	-	-	-	-	223	214	V		
	2.994855	34.56	ADR	32.8	-25.64	2.44	44.16	-	-	-	-	-	3	276	H		
	2.996736	46.11	PK-U	32.8	-25.63	0	53.28	-	-	68.2	-14.92	223	214	V			
	2.997666	46.32	PK-U	32.8	-25.62	0	53.5	-	-	68.2	-14.7	3	276	H			
	9.882523	56.7	PK-U	37.3	-45.37	0	48.63	-	-	68.2	-19.57	267	209	V			
	9.883547	44.99	ADR	37.3	-45.37	2.44	39.36	-	-	-	-	-	267	209	V		
	9.900429	57.16	PK-U	37.3	-45.49	0	48.97	-	-	68.2	-19.23	357	266	H			
	9.909006	45.35	ADR	37.3	-45.51	2.44	39.58	-	-	-	-	-	357	266	H		
	14.304548	56.73	PK-U	39.3	-43.76	0	52.27	-	-	68.2	-15.93	124	271	V			
	14.304635	44.85	ADR	39.3	-43.76	2.44	42.83	-	-	-	-	-	13	332	H		
	14.311574	44.81	ADR	39.3	-43.89	2.44	42.66	-	-	-	-	-	124	271	V		
	14.321809	56.91	PK-U	39.3	-43.7	0	52.51	-	-	68.2	-15.69	13	332	H			
	2.969907	46.92	PK-U	32.8	-25.71	0	54.01	-	-	68.2	-14.19	257	123	V			
	2.980698	34.8	ADR	32.8	-25.65	0.3	42.25	-	-	-	-	-	257	123	V		
	2.988239	34.75	ADR	32.8	-25.66	0.3	42.19	-	-	-	-	-	6	332	H		
	2.990337	45.79	PK-U	32.8	-25.71	0	52.88	-	-	68.2	-15.32	6	332	H			
	8.857926	56.72	PK-U	36.2	-45.41	0	47.51	-	-	68.2	-20.69	358	359	V			
	8.86445	45.13	ADR	36.3	-45.32	0.3	36.41	-	-	-	-	-	358	359	V		
	8.922526	45.01	ADR	36.3	-45.62	0.3	35.99	-	-	-	-	-	357	218	H		
	8.935416	56.2	PK-U	36.3	-45.59	0	46.91	-	-	68.2	-21.29	357	218	H			
	15.136457	45.09	ADR	39.9	-43.41	0.3	41.88	-	-	-	-	-	143	109	V		
	15.136976	56.51	PK-U	39.9	-43.43	0	52.98	-	-	68.2	-15.22	143	109	V			
	15.25313	56.9	PK-U	39.9	-43.23	0	53.57	-	-	68.2	-14.63	355	330	H			
	15.263973	45.32	ADR	40	-43.22	0.3	42.4	-	-	-	-	-	355	330	H		
HDT4	5162	6 + 5	3.004591	34.03	ADR	32.8	-25.74	0.3	41.39	-	-	-	-	172	211	V	
			3.010152	45.69	PK-U	32.8	-25.71	0	52.78	-	-	68.2	-15.42	27	398	H	
			3.013412	45.71	PK-U	32.8	-25.72	0	52.79	-	-	68.2	-15.41	172	211	V	
			3.036971	34.39	ADR	32.9	-25.64	0.3	41.95	-	-	-	-	27	398	H	
			10.030938	45.16	ADR	37.4	-45.01	0.3	37.85	-	-	-	-	336	378	V	
			10.04242	57.28	PK-U	37.4	-45.22	0	49.46	-	-	68.2	-18.74	336	378	V	
			10.073229	56.4	PK-U	37.4	-45.34	0	48.46	-	-	68.2	-19.74	356	219	H	
			10.085787	44.92	ADR	37.4	-45.36	0.3	37.26	-	-	-	-	356	219	H	
			15.119767	45.06	ADR	39.9	-43.14	0.3	42.12	-	-	-	-	88	377	V	
			15.133371	56.86	PK-U	39.9	-43.28	0	53.48	-	-	68.2	-14.72	88	377	V	
			15.241668	45.48	ADR	39.9	-43.35	0.3	42.33	-	-	-	-	332	111	H	
			15.257064	57.33	PK-U	40	-43.21	0	54.12	-	-	68.2	-14.08	332	111	H	
	2.975125	34.85	ADR	32.8	-25.72	0.3	42.23	-	-	-	-	-	335	374	V		
	2.979564	46.12	PK-U	32.8	-25.69	0	53.23	-	-	68.2	-14.97	20	246	H			
	2.983447	34.78	ADR	32.8	-25.64	0.3	42.24	-	-	-	-	-	20	246	H		
	2.988004	46.27	PK-U	32.8	-25.66	0	53.41	-	-	68.2	-14.79	335	374	V			
	9.952256	57.01	PK-U	37.3	-45.16	0	49.15	-	-	68.2	-19.05	302	214	H			
	9.954121	45.22	ADR	37.3	-45.18	0.3	37.64	-	-	-	-	-	302	214	H		
	9.972827	45.39	ADR	37.3	-45.01	0.3	37.98	-	-	-	-	-	96	397	V		
	9.980268	56.96	PK-U	37.3	-44.98	0	49.28	-	-	68.2	-18.92	96	397	V			
	16.782877	44.26	ADR	40.8	-42.59	0.3	42.77	-	-	-	-	-	143	173	H		
	16.800834	55.96	PK-U	40.8	-42.64	0	54.12	-	-	68.2	-14.08	143	173	H			
	17.076	56	PK-U	40.5	-42.5	0	54	-	-	68.2	-14.2	331	192	V			
	17.083732	44.47	ADR	40.5	-42.54	0.3	42.73	-	-	-	-	-	331	192	V		

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNII-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDT6	5162	6 + 5	* 1.699851	61.66	PK-U	29.6	-49.1	0	42.16	-	-	74	-31.84	211	219	H
			* 1.698077	50.33	ADR	29.6	-49.1	0.43	31.26	54	-22.74	-	-	211	219	H
			* 1.703057	62.55	PK-U	29.6	-49.19	0	42.96	-	-	74	-31.04	340	297	V
			* 3.335545	45.91	ADR	33.2	-46.75	0.43	32.79	54	-21.21	-	-	133	134	V
			* 10.95505	53.91	PK-U	38.4	-42.2	0	50.11	-	-	74	-23.89	133	101	H
			* 10.957823	42.12	ADR	38.4	-42.3	0.43	38.65	54	-15.35	-	-	133	101	H
			* 10.931832	53.65	PK-U	38.3	-42.2	0	49.75	-	-	74	-24.25	133	200	V
			* 10.931747	42.35	ADR	38.3	-42.2	0.43	38.88	54	-15.12	-	-	133	200	V
			1.74019	50.02	ADR	30	-48.9	0.43	31.55	-	-	-	-	340	297	V
			3.304687	58.02	PK-U	33.2	-46.77	0	44.45	-	-	68.2	-23.75	165	179	H
			3.304727	45.85	ADR	33.2	-46.77	0.43	32.71	-	-	-	-	165	179	H
			3.310665	57.66	PK-U	33.2	-46.67	0	44.19	-	-	68.2	-24.01	133	134	V
			* 3.811654	46.06	ADR	33.7	-46.4	0.43	33.79	54	-20.21	-	-	169	238	H
			* 3.829314	57.78	PK-U	33.7	-46.07	0	45.41	-	-	74	-28.59	169	238	H
			* 3.8079	46.09	ADR	33.7	-46.49	0.43	33.73	54	-20.27	-	-	178	366	V
			* 3.808913	57.63	PK-U	33.7	-46.41	0	44.92	-	-	74	-29.08	178	366	V
			* 11.626868	40.95	ADR	38.9	-41.5	0.43	38.78	54	-15.22	-	-	178	200	H
	5203	6 + 5	* 11.634019	53.16	PK-U	38.9	-41.6	0	50.46	-	-	74	-23.54	178	200	H
			* 11.60961	52.87	PK-U	38.9	-41.54	0	50.23	-	-	74	-23.77	178	200	V
			* 11.632815	41.07	ADR	38.9	-41.6	0.43	38.8	54	-15.2	-	-	178	200	V
			2.038826	48.94	ADR	32.1	-48.52	0.43	32.95	-	-	-	-	53	209	V
			2.040323	60.87	PK-U	32.1	-48.6	0	44.37	-	-	68.2	-23.83	304	397	H
			2.04072	61.26	PK-U	32.1	-48.6	0	44.76	-	-	68.2	-23.44	53	209	V
			2.043823	48.95	ADR	32.1	-48.62	0.43	32.86	-	-	-	-	304	397	H
			* 15.737527	51.18	PK-U	40.7	-38.1	0	53.78	-	-	74	-20.22	149	341	H
			* 15.734736	39.46	ADR	40.7	-38.1	0.43	42.49	54	-11.51	-	-	149	341	H
			* 15.715664	52.17	PK-U	40.7	-38.3	0	54.57	-	-	74	-19.43	195	191	V
	5245	6 + 5	* 15.736842	40.46	ADR	40.7	-38.1	0.43	43.49	54	-10.51	-	-	195	191	V
			2.602707	48.08	ADR	32.8	-48	0.43	33.31	-	-	-	-	281	203	H
			2.60342	60.19	PK-U	32.8	-48	0	44.99	-	-	68.2	-23.21	322	181	V
			2.603773	48.22	ADR	32.8	-48	0.43	33.45	-	-	-	-	322	181	V
			2.610673	59.75	PK-U	32.9	-48.13	0	44.52	-	-	68.2	-23.68	281	203	H
			10.483745	44.01	ADR	38.2	-43.73	0.43	38.91	-	-	-	-	90	311	H
			10.485812	43.96	ADR	38.2	-43.8	0.43	38.79	-	-	-	-	130	294	V
			10.489852	55.84	PK-U	38.2	-43.7	0	50.34	-	-	68.2	-17.86	130	294	V
			10.489945	55.67	PK-U	38.2	-43.7	0	50.17	-	-	68.2	-18.03	90	311	H
			* 9.051972	56.11	PK-U	36.4	-44.68	0	47.83	-	-	74	-26.17	353	178	H
HDRPS2	5162	6 + 5	* 9.043303	44.56	ADR	36.4	-44.79	0.35	36.52	54	-17.48	-	-	353	178	H
			* 13.279448	56.35	PK-U	39	-43.52	0	51.83	-	-	74	-22.17	149	114	H
			* 13.289228	44.06	ADR	39	-43.63	0.35	39.78	54	-14.22	-	-	149	114	H
			* 9.026393	56.87	PK-U	36.4	-44.9	0	48.37	-	-	74	-25.63	40	350	V
			* 9.027352	45.28	ADR	36.4	-44.92	0.35	37.11	54	-16.89	-	-	40	350	V
			2.968116	46.61	PK-U	32.7	-25.7	0	53.61	-	-	68.2	-14.59	3	292	V
			2.973723	34.8	ADR	32.8	-25.7	0.35	42.25	-	-	-	-	3	292	V
			2.977436	36.37	Avg	32.8	-25.74	0	43.43	-	-	-	-	52	387	H
			2.977436	32.33	Avg	32.8	-25.74	0	39.39	-	-	-	-	52	387	H
			13.223876	43.87	ADR	38.9	-43.43	0.35	39.69	-	-	-	-	348	348	V
			13.228924	55.59	PK-U	38.9	-43.43	0	51.06	-	-	68.2	-17.14	348	348	V
			2.962756	46.8	PK-U	32.7	-25.8	0	53.7	-	-	68.2	-14.5	140	203	V
			2.985147	34.74	ADR	32.8	-25.65	0.35	42.24	-	-	-	-	140	203	V
			2.988962	34.9	ADR	32.8	-25.67	0.35	42.38	-	-	-	-	258	192	H
	5203	6 + 5	2.99603	46.33	PK-U	32.8	-25.66	0	53.47	-	-	68.2	-14.73	258	192	H
			9.591668	45.19	ADR	37.1	-45.07	0.35	37.57	-	-	-	-	15	164	V
			9.59195	56.61	PK-U	37.1	-45.06	0	48.65	-	-	68.2	-19.55	15	164	V
			9.628687	45	ADR	37.2	-44.89	0.35	37.66	-	-	-	-	95	183	H
			9.631738	56.88	PK-U	37.2	-44.89	0	49.19	-	-	68.2	-19.01	95	183	H
			12.90582	44.41	ADR	39	-43.63	0.35	40.13	-	-	-	-	219	183	V
			12.909507	55.85	PK-U	39	-43.6	0	51.25	-	-	68.2	-16.95	219	183	V
			12.928094	56.4	PK-U	39	-43.49	0	51.91	-	-	68.2	-16.29	44	232	H
			12.937639	44.32	ADR	39	-43.51	0.35	40.16	-	-	-	-	44	232	H
	5245	6 + 5	* 2.348284	46.52	PK-U	31.8	-26.59	0	51.73	-	-	74	-22.27	104	131	V
			* 2.331304	34.87	ADR	31.7	-26.64	0.35	40.28	54	-13.72	-	-	104	131	V
			* 2.384817	46.33	PK-U	32	-26.54	0	51.79	-	-	74	-22.21	355	319	V
			* 2.378178	34.68	ADR	32	-26.62	0.35	40.41	54	-13.59	-	-	355	319	V
			1.998204	46.26	PK-U	31.6	-26.89	0	50.97	-	-	68.2	-17.23	72	152	H
			2.007566	34.32	ADR	31.6	-26.82	0.35	39.45	-	-	-	-	72	152	H
			7.802171	44.45	ADR	35.9	-45.17	0.35	35.53	-	-	-	-	219	396	V
			7.83832	56.15	PK-U	35.9	-45.1	0	46.95	-	-	68.2	-21.25	219	396	V
			8.004441	56.52	PK-U	35.9	-45.46	0	46.96	-	-	68.2	-21.24	110	399	H
			8.006126	45.01	ADR	35.9	-45.43	0.35	35.83	-	-	-	-	110	399	H
			10.035446	56.52	PK-U	37.4	-45.02	0	48.9	-	-	68.2	-19.3	346	270	V
			10.05091	45.09	ADR	37.4	-45.28	0.35	37.56	-	-	-	-	346	270	V
			10.372309	45.68	ADR	37.7	-45.54	0.35	38.19	-	-	-	-	193	232	H
			10.380706	57.06	PK-U	37.7	-45.42	0	49.34	-	-	68.2	-18.86	193	232	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

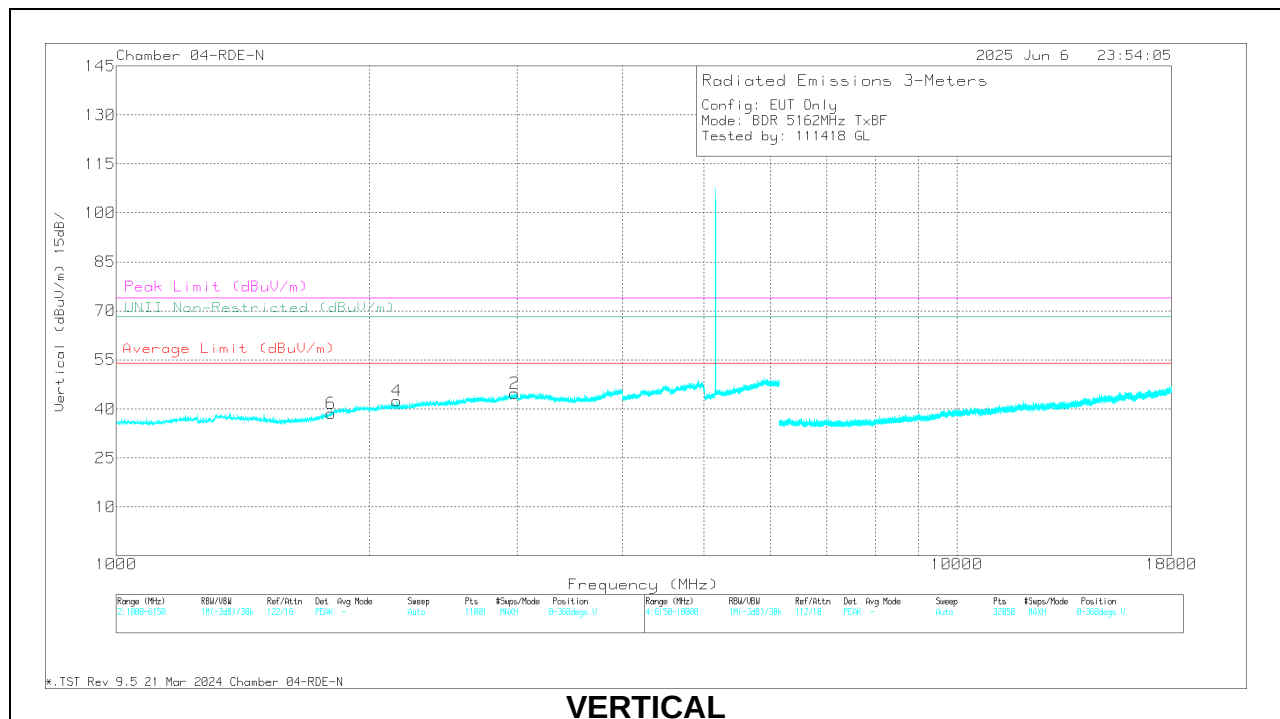
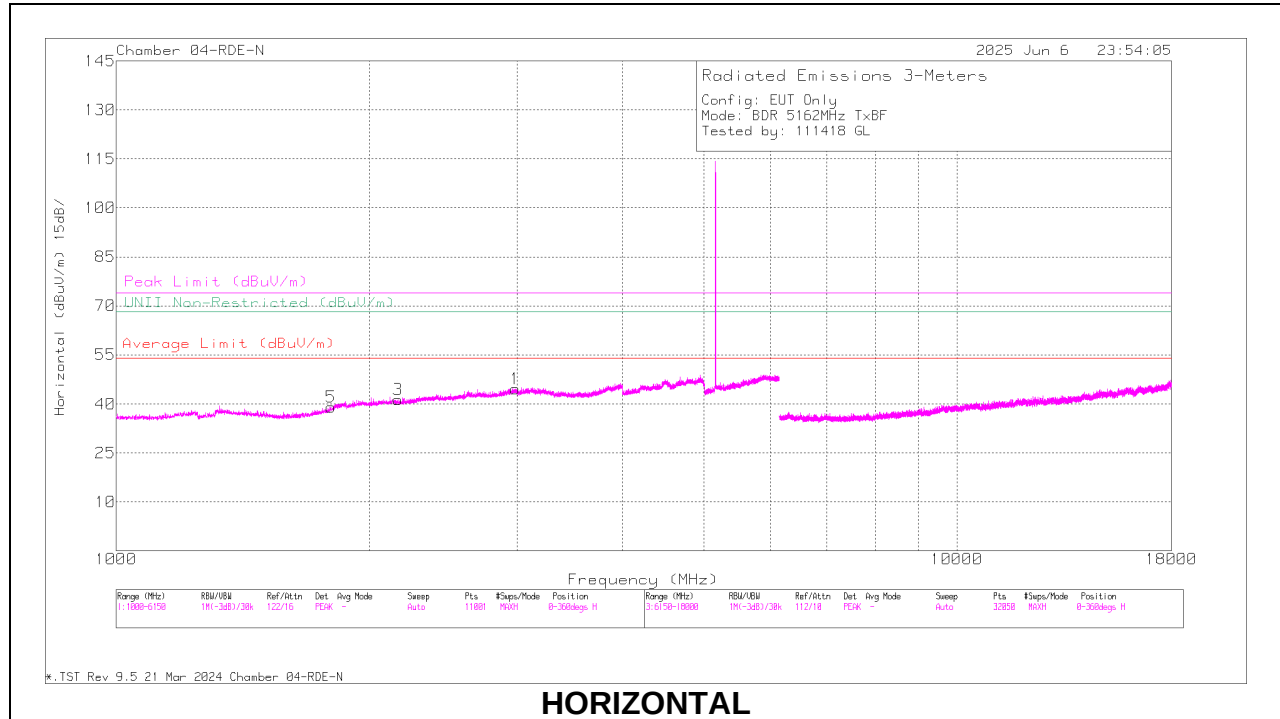
RMS - RMS detection

UNII-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
XHDRPM8	5162	6 + 5	3.285599	34.45	ADR	32.9	-25.68	0.36	42.03	-	-	-	-	154	151	H
			3.293413	46.42	PK-U	32.9	-25.77	0	53.55	-	-	68.2	-14.65	154	151	H
			3.301653	34.53	ADR	32.9	-25.73	0.36	42.06	-	-	-	-	3	235	V
			3.310369	46.08	PK-U	32.9	-25.69	0	53.29	-	-	68.2	-14.91	3	235	V
			9.572413	45.25	ADR	37.1	-45.36	0.36	37.35	-	-	-	-	146	237	H
			9.572922	45.28	ADR	37.1	-45.36	0.36	37.38	-	-	-	-	112	173	V
			9.581354	56.73	PK-U	37.1	-45.11	0	48.72	-	-	68.2	-19.48	146	237	H
			9.581643	56.68	PK-U	37.1	-45.12	0	48.66	-	-	68.2	-19.54	112	173	V
			10.33333	45.44	ADR	37.8	-45.55	0.36	38.05	-	-	-	-	25	191	H
			10.345814	57.1	PK-U	37.8	-45.65	0	49.25	-	-	68.2	-18.95	325	147	V
	5203	6 + 5	10.351155	56.9	PK-U	37.8	-45.64	0	49.06	-	-	68.2	-19.14	25	191	H
			10.354884	45.33	ADR	37.8	-45.64	0.36	37.85	-	-	-	-	325	147	V
			3.227879	46.27	PK-U	33	-25.62	0	53.65	-	-	68.2	-14.55	349	110	H
			3.233294	46.12	PK-U	33	-25.65	0	53.47	-	-	68.2	-14.73	327	302	V
			3.238009	34.21	ADR	33	-25.6	0.36	41.97	-	-	-	-	349	110	H
			3.239559	34.25	ADR	33	-25.6	0.36	42.01	-	-	-	-	327	302	V
			10.485509	45.61	ADR	37.6	-45.11	0.36	38.46	-	-	-	-	3	347	V
			10.488519	57.19	PK-U	37.6	-45.19	0	49.6	-	-	68.2	-18.6	3	347	V
			10.524445	45.62	ADR	37.6	-45.48	0.36	38.1	-	-	-	-	193	113	H
			10.53679	57.48	PK-U	37.6	-45.28	0	49.8	-	-	68.2	-18.4	193	113	H
	5245	6 + 5	14.154625	44.36	ADR	39.2	-43.11	0.36	40.81	-	-	-	-	46	101	V
			14.169604	55.7	PK-U	39.2	-42.87	0	52.03	-	-	68.2	-16.17	46	101	V
			14.179068	45.03	ADR	39.2	-42.77	0.36	41.82	-	-	-	-	357	377	H
			14.187817	55.99	PK-U	39.2	-42.85	0	52.34	-	-	68.2	-15.86	357	377	H
			* 1.284436	62.66	PK-U	29	-49.6	0	42.06	-	-	74	-31.94	0	101	H
			* 1.286169	51.09	ADR	29	-49.68	0.36	30.77	54	-23.23	-	-	0	101	H
			* 3.800398	57.83	PK-U	33.7	-46.1	0	45.43	-	-	74	-28.57	0	101	H
			* 3.790778	45.93	ADR	33.7	-46.5	0.36	33.49	54	-20.51	-	-	0	101	H
			* 1.286499	62.28	PK-U	29	-49.65	0	41.63	-	-	74	-32.37	0	101	V
			* 1.286153	51.28	ADR	29	-49.68	0.36	30.96	54	-23.04	-	-	0	101	V
HDRPL16	5164	6 + 5	* 3.801834	58.26	PK-U	33.7	-46.18	0	45.78	-	-	74	-28.22	0	101	V
			* 3.809127	46.12	ADR	33.7	-46.41	0.36	33.77	54	-20.23	-	-	0	101	V
			* 11.534226	53.24	PK-U	38.8	-41.6	0	50.44	-	-	74	-23.56	0	101	H
			* 11.51387	41.57	ADR	38.8	-41.8	0.36	38.93	54	-15.07	-	-	0	101	H
			* 11.536913	53.37	PK-U	38.8	-41.79	0	50.38	-	-	74	-23.62	0	101	V
			* 11.519997	41.77	ADR	38.8	-41.8	0.36	39.13	54	-14.87	-	-	0	101	V
			2.946047	34.74	ADR	32.7	-25.83	0.16	41.77	-	-	-	-	29	198	H
			2.955104	34.75	ADR	32.7	-25.74	0.16	41.87	-	-	-	-	4	385	V
			2.963023	46.3	PK-U	32.7	-25.8	0	53.2	-	-	68.2	-15	29	198	H
			2.971284	46.27	PK-U	32.8	-25.71	0	53.36	-	-	68.2	-14.84	4	385	V
	5203	6 + 5	6.98092	55.77	PK-U	35.8	-45.8	0	45.77	-	-	68.2	-22.43	286	210	V
			6.985864	44.54	ADR	35.8	-45.88	0.16	34.62	-	-	-	-	286	210	V
			6.991948	44.75	ADR	35.8	-45.9	0.16	34.81	-	-	-	-	14	289	H
			6.993675	56.63	PK-U	35.8	-45.9	0	46.53	-	-	68.2	-21.67	14	289	H
			13.011199	44.86	ADR	38.9	-43.2	0.16	40.72	-	-	-	-	248	394	H
			13.014404	44.49	ADR	38.9	-43.2	0.16	40.35	-	-	-	-	267	206	V
			13.015545	56.19	PK-U	38.9	-43.23	0	51.86	-	-	68.2	-16.34	248	394	H
			13.024575	55.63	PK-U	38.9	-43.28	0	51.25	-	-	68.2	-16.95	267	206	V
			3.412451	33.66	ADR	32.9	-25.37	0.16	41.35	-	-	-	-	357	360	H
			3.421692	33.78	ADR	33	-25.38	0.16	41.56	-	-	-	-	5	388	V
	5242	6 + 5	3.42399	45.17	PK-U	33	-25.4	0	52.77	-	-	68.2	-15.43	5	388	V
			3.424242	45.44	PK-U	33	-25.41	0	53.03	-	-	68.2	-15.17	357	360	H
			6.945628	56.7	PK-U	35.7	-45.92	0	46.48	-	-	68.2	-21.72	211	369	H
			6.94569	44.87	ADR	35.7	-45.92	0.16	34.81	-	-	-	-	172	309	V
			6.955877	45.36	ADR	35.8	-45.87	0.16	35.45	-	-	-	-	211	369	H
			6.981849	57.21	PK-U	35.8	-45.86	0	47.15	-	-	68.2	-21.05	172	309	V
			14.805992	56.56	PK-U	39.8	-42.8	0	53.56	-	-	68.2	-14.64	279	142	V
			14.807412	45.07	ADR	39.8	-42.91	0.16	42.12	-	-	-	-	279	142	V
			14.808689	45	ADR	39.8	-43.03	0.16	41.93	-	-	-	-	335	101	H
			14.817315	56.46	PK-U	39.8	-43.28	0	52.98	-	-	68.2	-15.22	335	101	H
	5242	6 + 5	2.444287	46.32	PK-U	32.2	-26.46	0	52.06	-	-	68.2	-16.14	266	293	V
			2.450508	34.44	ADR	32.3	-26.55	0.16	40.35	-	-	-	-	206	329	H
			2.451119	46.08	PK-U	32.3	-26.56	0	51.82	-	-	68.2	-16.38	206	329	H
			2.456235	34.37	ADR	32.3	-26.47	0.16	40.36	-	-	-	-	266	293	V
			6.337429	44.94	ADR	35.6	-46.07	0.16	34.63	-	-	-	-	87	205	V
			6.341693	57.47	PK-U	35.6	-46.07	0	47	-	-	68.2	-21.2	357	159	H
			6.351807	45.32	ADR	35.6	-46.2	0.16	34.88	-	-	-	-	357	159	H
			6.355551	56.86	PK-U	35.6	-46.19	0	46.27	-	-	68.2	-21.93	87	205	V
			15.193347	56.98	PK-U	39.9	-42.8	0	54.08	-	-	68.2	-14.12	313	273	H
			15.194788	57.01	PK-U	39.9	-42.84	0	54.07	-	-	68.2	-14.13	13	371	V
			15.20585	44.97	ADR	39.9	-43.18	0.16	41.85	-	-	-	-	313	273	H
			15.229651	45.35	ADR	39.9	-43.42	0.16	41.99	-	-	-	-	13	371	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

2TX Antenna 6 + Antenna 5 TX BF MODE (HIGH POWER)**LOW CHANNEL 5162MHz**

Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	41112 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	1812.557	34.3	ADR	30.5	1.15	-27.05	38.9	-	-	-	-	-	-	180	203	V
6	1816.113	45.91	PK-U	30.5	0	-27.02	48.39	-	-	-	-	68.2	-18.81	180	203	V
5	1820.283	46.29	PK-U	30.6	0	-27.08	49.81	-	-	-	-	68.2	-18.39	211	138	H
5	1823.653	34.24	ADR	30.6	1.15	-27.07	39.92	-	-	-	-	-	-	211	138	H
4	2148.736	45.71	PK-U	31.5	0	-26.7	50.51	-	-	-	-	68.2	-17.69	307	261	V
3	2166.285	45.64	PK-U	31.4	0	-26.76	50.28	-	-	-	-	68.2	-17.92	164	148	H
4	2166.302	34.11	ADR	31.4	1.15	-26.76	39.9	-	-	-	-	-	-	307	261	V
3	2175.873	33.94	ADR	31.4	1.15	-26.65	39.84	-	-	-	-	-	-	164	148	H
1	2973.72	34.74	ADR	32.8	1.15	-25.7	42.99	-	-	-	-	-	-	51	340	H
1	2977.727	46.56	PK-U	32.8	0	-25.75	53.61	-	-	-	-	68.2	-14.59	51	340	H
2	2982.614	46.57	PK-U	32.8	0	-25.63	53.74	-	-	-	-	68.2	-14.46	210	245	V
2	2989.369	34.81	ADR	32.8	1.15	-25.69	43.07	-	-	-	-	-	-	210	245	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.4. UNII-3 BAND SISO MODE – BANDEDGE – HIGH POWER

UNII-3 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Conversion Factor (dB)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading EIRP (dBm)	Pk Limit (dBm)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	5733	6	5.629267	-48.87	Pk	34.7	11.8	-35.4	0	-37.77	-27	-10.77	349	101	H
			5.725	-50.36	Pk	34.7	11.8	-35.3	0	-39.16	27	-66.16	349	101	H
			5.638734	-49.14	Pk	34.7	11.8	-35.21	0	-37.85	-27	-10.85	353	129	V
			5.725	-50.8	Pk	34.7	11.8	-35.3	0	-39.6	27	-66.6	353	129	V
			5.725	-50.89	Pk	34.9	11.8	-34.4	0	-38.59	27	-65.59	290	197	H
			5.627767	-48.75	Pk	34.7	11.8	-34.3	0	-36.55	-27	-9.55	290	197	H
		5	5.725	-50.89	Pk	34.9	11.8	-34.4	0	-38.59	27	-65.59	300	315	V
			5.628633	-48.77	Pk	34.7	11.8	-34.3	0	-36.57	-27	-9.57	300	315	V
		6	5.85	-49.99	Pk	35	11.8	-34.97	0	-38.16	27	-65.16	78	104	H
			5.9945	-48.5	Pk	35.3	11.8	-34.83	0	-36.23	-27	-9.23	78	104	H
			5.85	-51.24	Pk	35	11.8	-34.97	0	-39.41	27	-66.41	288	331	V
			5.928725	-49.37	Pk	35.3	11.8	-34.8	0	-37.07	-27	-10.07	288	331	V
		5	5.85	-51.32	Pk	35.2	11.8	-34.2	0	-38.52	27	-65.52	285	219	H
			5.97745	-48.99	Pk	35.6	11.8	-34.1	0	-35.69	-27	-8.69	285	219	H
			5.85	-51.2	Pk	35.2	11.8	-34.2	0	-38.4	27	-65.4	313	252	V
			5.991975	-48.63	Pk	35.6	11.8	-34.1	0	-35.33	-27	-8.33	313	252	V
LE1M	5733	6	5.725	-49.88	Pk	34.5	11.8	-35	0	-38.58	27	-65.58	341	182	H
			5.63995	-49.28	Pk	34.3	11.8	-34.9	0	-38.08	-27	-11.08	341	182	H
			5.725	-50.86	Pk	34.5	11.8	-35	0	-39.56	27	-66.56	3	213	V
			5.649067	-49.78	Pk	34.3	11.8	-35.01	0	-38.69	-27	-11.69	3	213	V
		5	5.64305	-48.39	Pk	34.6	11.8	-37.27	0	-39.26	-27	-12.26	200	202	H
			5.725	-50.52	Pk	34.7	11.8	-36.96	0	-40.98	27	-67.98	200	202	H
			5.6431	-48.25	Pk	34.6	11.8	-37.27	0	-39.12	-27	-12.12	227	242	V
			5.725	-50.27	Pk	34.7	11.8	-36.96	0	-40.73	27	-67.73	227	242	V
		6	5.85	-49.01	Pk	34.8	11.8	-34.8	0	-37.21	27	-64.21	276	101	H
			5.986475	-48.36	Pk	35.1	11.8	-34.75	0	-36.21	-27	-9.21	276	101	H
			5.85	-51.37	Pk	34.8	11.8	-34.8	0	-39.57	27	-66.57	200	101	V
			5.998325	-48.71	Pk	35.2	11.8	-34.8	0	-36.51	-27	-9.51	200	101	V
		5	5.85	-49.21	Pk	35	11.8	-36.65	0	-39.06	27	-66.06	207	234	H
			5.992025	-48.61	Pk	35.3	11.8	-36.4	0	-37.91	-27	-10.91	207	234	H
			5.85	-50.78	Pk	35	11.8	-36.65	0	-40.63	27	-67.63	220	266	V
			5.979	-47.64	Pk	35.2	11.8	-36.42	0	-37.06	-27	-10.06	220	266	V
LE2M	5733	6	5.626517	-64.38	Pk	34.7	11.8	-23.71	0	-41.59	-27	-14.59	318	110	H
			5.725	-62.32	Pk	34.9	11.8	-23.81	0	-39.43	27	-66.43	318	110	H
			5.63185	-66.09	Pk	34.7	11.8	-23.81	0	-43.4	-27	-16.4	354	122	V
			5.725	-68.16	Pk	34.9	11.8	-23.81	0	-45.27	27	-72.27	354	122	V
		5	0.00564748	-50.4	Pk	34.8	11.8	-34.13	0	-37.93	-27	-10.93	79	216	H
			0.005725	-52.53	Pk	34.9	11.8	-34.1	0	-39.93	27	-66.93	79	216	H
			0.00564545	-49.7	Pk	34.8	11.8	-34.17	0	-37.27	-27	-10.27	105	266	V
			0.005725	-52.32	Pk	34.9	11.8	-34.1	0	-39.72	27	-66.72	105	266	V
		6	5.85	-61.34	Pk	35.1	11.8	-23.43	0	-37.87	27	-64.87	338	155	H
			5.957175	-60.19	Pk	35.2	11.8	-23.35	0	-36.54	-27	-9.54	338	155	H
			5.85	-62.76	Pk	35.1	11.8	-23.43	0	-39.29	27	-66.29	4	157	V
		5	5.929425	-60.44	Pk	35.2	11.8	-23.45	0	-36.89	-27	-9.89	4	157	V
			5.85	-51.4	Pk	35.1	11.8	-33.85	0	-38.35	27	-65.35	83	273	H
			5.97625	-49.65	Pk	35.4	11.8	-33.72	0	-36.17	-27	-9.17	83	273	H
			5.85	-50.93	Pk	35.1	11.8	-33.85	0	-37.88	27	-64.88	104	309	V
			5.97235	-49.08	Pk	35.4	11.8	-33.74	0	-35.62	-27	-8.62	104	309	V

Pk - Peak detector

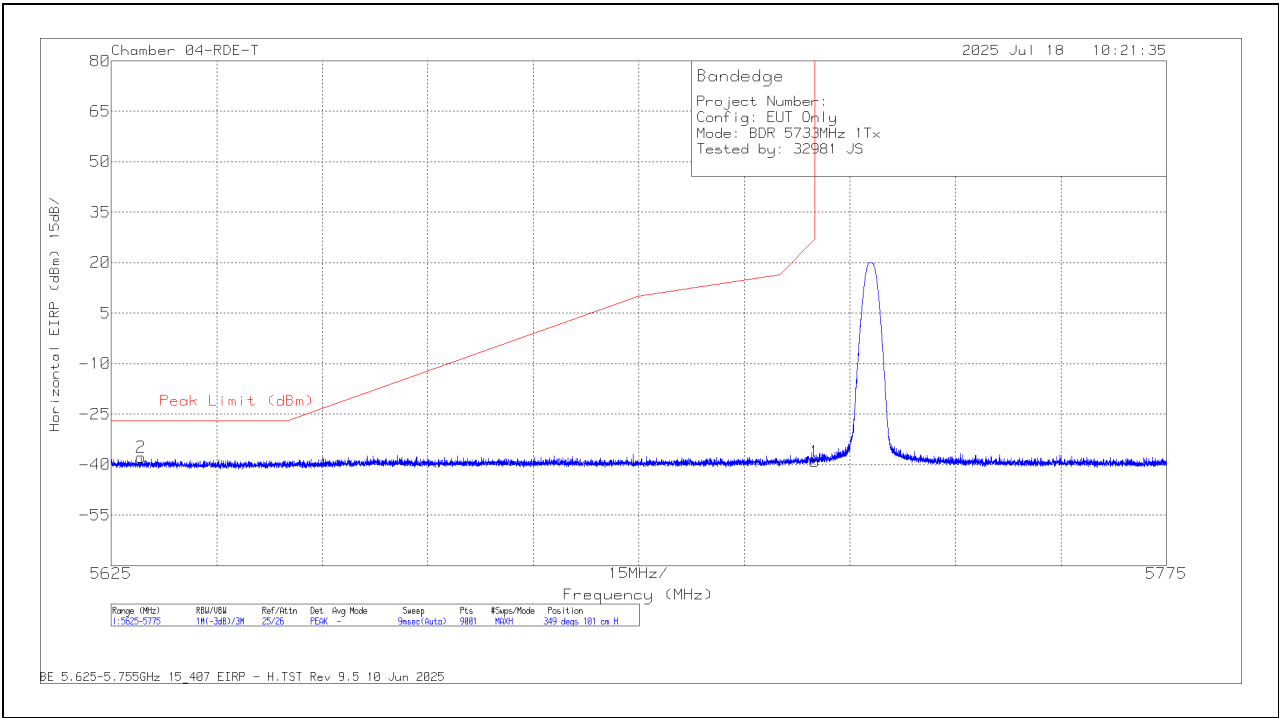
UNII-3 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Conversion Factor (dB)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading EIRP (dBm)	Pk Limit (dBm)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDT4	5733	6	5.639383	-66.03	Pk	34.3	-17.5	11.8	0	-37.43	-27	-10.43	227	135	H
			5.725	-65.68	Pk	34.5	-17.4	11.8	0	-36.78	27	-63.78	227	135	H
			5.649209	-66.21	Pk	34.3	-17.4	11.8	0	-37.51	-27	-10.51	251	106	V
			5.725	-68.57	Pk	34.5	-17.4	11.8	0	-39.67	-27	-66.67	251	106	V
		5	5.635	-65.49	Pk	34.7	11.8	-23.73	0	-42.72	-27	-15.72	5	231	H
			5.725	-66.79	Pk	34.9	11.8	-23.81	0	-43.9	-27	-70.9	5	231	H
			5.63395	-65.64	Pk	34.7	11.8	-23.79	0	-42.93	27	-15.93	38	255	V
			5.725	-66.33	Pk	34.9	11.8	-23.81	0	-43.44	27	-70.44	38	255	V
	5844	6	5.85	-60.45	Pk	34.9	-16.4	11.8	0	-30.15	27	-57.15	225	150	H
			5.96428	-66.57	Pk	35.2	-16.3	11.8	0	-35.87	-27	-8.87	225	150	H
			5.85	-68.5	Pk	34.9	-16.4	11.8	0	-38.2	27	-65.2	341	150	V
			5.996825	-67.23	Pk	35.2	-16.5	11.8	0	-36.73	-27	-9.73	341	150	V
		5	5.85	-65.83	Pk	35.1	11.8	-23.43	0	-42.36	27	-69.36	24	230	H
			5.9516	-65.37	Pk	35.2	11.8	-23.39	0	-41.76	-27	-14.76	24	230	H
			5.85	-64.72	Pk	35.1	11.8	-23.43	0	-41.25	27	-68.25	35	235	V
			5.9362	-64.7	Pk	35.2	11.8	-23.42	0	-41.12	-27	-14.12	35	235	V
XHDRPS2	5733	6	5.648909	-66.61	Pk	34.3	-17.4	11.8	0	-37.91	-27	-10.91	227	140	H
			5.725	-67.3	Pk	34.5	-17.4	11.8	0	-38.4	27	-65.4	227	140	H
			5.647146	-67.21	Pk	34.3	-17.6	11.8	0	-38.71	-27	-11.71	350	166	V
			5.725	-67.65	Pk	34.5	-17.4	11.8	0	-38.75	27	-65.75	350	166	V
		5	5.637234	-47.66	Pk	35	11.8	-38.41	0	-39.27	-27	-12.27	10	308	H
			5.725	-49.46	Pk	35.1	11.8	-38.19	0	-40.75	27	-67.75	10	308	H
			5.641734	-47.34	Pk	35	11.8	-38.43	0	-38.97	-27	-11.97	39	231	V
			5.725	-49.01	Pk	35.1	11.8	-38.19	0	-40.3	27	-67.3	39	231	V
	5844	6	5.85	-64.25	Pk	34.9	-16.4	11.8	0	-33.95	27	-60.95	226	117	H
			5.984927	-66.36	Pk	35.2	-16.4	11.8	0	-35.76	-27	-8.76	226	117	H
			5.85	-68.91	Pk	34.9	-16.4	11.8	0	-38.61	27	-65.61	224	103	V
			5.963042	-66.76	Pk	35.2	-16.3	11.8	0	-36.06	-27	-9.06	224	103	V
		5	5.85	-65.44	Pk	35.1	11.8	-23.43	0	-41.97	27	-68.97	14	255	H
			5.973725	-64.36	Pk	35.2	11.8	-23.38	0	-40.74	-27	-13.74	14	255	H
			5.85	-65.14	Pk	35.1	11.8	-23.43	0	-41.67	27	-68.67	31	277	V
			5.9916	-64.45	Pk	35.2	11.8	-23.43	0	-40.88	-27	-13.88	31	277	V
XHDRPM8	5733	6	5.643302	-66.11	Pk	34.3	-17.5	11.8	0	-37.51	-27	-10.51	226	112	H
			5.725	-56.36	Pk	34.5	-17.4	11.8	0	-27.46	27	-54.46	226	112	H
			5.643002	-66.65	Pk	34.3	-17.5	11.8	0	-38.05	-27	-11.05	8	135	V
			5.725	-67.35	Pk	34.5	-17.4	11.8	0	-38.45	27	-65.45	8	135	V
		5	5.63295	-65.12	Pk	34.7	11.8	-23.71	0	-42.33	-27	-15.33	23	232	H
			5.725	-63.02	Pk	34.9	11.8	-23.81	0	-40.13	27	-67.13	23	232	H
			5.6294	-64.95	Pk	34.7	11.8	-23.76	0	-42.21	-27	-15.21	38	214	V
			5.725	-62.26	Pk	34.9	11.8	-23.81	0	-39.37	27	-66.37	38	214	V
	5844	6	5.85	-51.19	Pk	34.9	-16.4	11.8	0	-20.89	27	-47.89	228	116	H
			5.987571	-66.37	Pk	35.2	-16.4	11.8	0	-35.77	-27	-8.77	228	116	H
			5.85	-64.66	Pk	34.9	-16.4	11.8	0	-34.36	27	-61.36	349	150	V
			5.951594	-66.96	Pk	35.2	-16.2	11.8	0	-36.16	-27	-9.16	349	150	V
		5	5.85	-52.16	Pk	35.1	11.8	-23.43	0	-28.69	27	-55.69	18	234	H
			5.930225	-64.71	Pk	35.2	11.8	-23.44	0	-41.15	-27	-14.15	18	234	H
			5.85	-49.88	Pk	35.1	11.8	-23.43	0	-26.41	27	-53.41	38	207	V
			5.997825	-64.79	Pk	35.2	11.8	-23.48	0	-41.27	-27	-14.27	38	207	V
HDRPL16	5733	6	5.642184	-61.84	Pk	34.7	11.8	-23.84	0	-39.18	-27	-12.18	337	104	H
			5.725	-40.89	Pk	34.9	11.8	-23.81	0	-18	27	-45	337	104	H
			5.625133	-62.26	Pk	34.7	11.8	-23.75	0	-39.51	-27	-12.51	354	119	V
			5.725	-54.45	Pk	34.9	11.8	-23.81	0	-31.56	27	-58.56	354	119	V
		5	5.628133	-50.24	Pk	34.8	11.8	-34.26	0	-37.9	-27	-10.9	63	118	H
			5.725	-49.89	Pk	34.9	11.8	-34.1	0	-37.29	27	-64.29	63	118	H
			5.645817	-49.83	Pk	34.8	11.8	-34.18	0	-37.41	-27	-10.41	78	105	V
			5.725	-48.96	Pk	34.9	11.8	-34.1	0	-36.36	27	-63.36	78	105	V
	5844	6	5.85	-28.15	Pk	35.1	11.8	-23.43	0	-4.68	27	-31.68	336	103	H
			5.935825	-59.72	Pk	35.2	11.8	-23.43	0	-36.15	-27	-9.15	336	103	H
			5.85	-44.66	Pk	35.1	11.8	-23.43	0	-21.19	27	-48.19	2	113	V
			5.938775	-61.01	Pk	35.2	11.8	-23.36	0	-37.37	-27	-10.37	2	113	V
		5	5.85	-23.17	Pk	35.1	11.8	-36.78	0	-13.05	27	-40.05	350	247	H
			5.960675	-48.44	Pk	35.3	11.8	-36.36	0	-37.7	-27	-10.7	350	247	H
			5.85	-23.86	Pk	35.1	11.8	-36.78	0	-13.74	27	-40.74	19	301	V
			5.96195	-47.96	Pk	35.3	11.8	-36.39	0	-37.25	-27	-10.25	19	301	V

Pk - Peak detector

1TX Antenna 6

BANDEDGE (LOW CHANNEL)

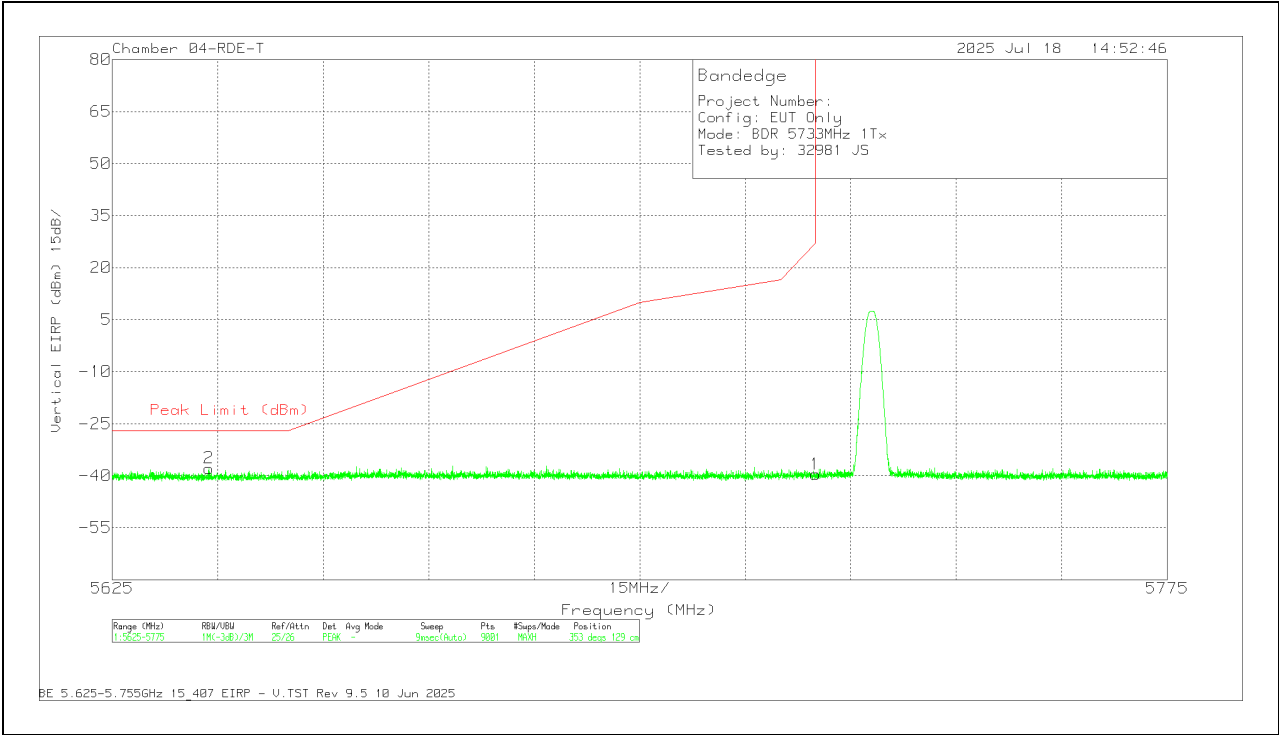
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBm)	Det	79834 ACF (dBm)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5629.267	-48.87	Pk	34.7	11.8	0	-35.4	-37.77	-27	-10.77	349	101	H
1	5725	-50.36	Pk	34.7	11.8	0	-35.3	-39.16	27	-66.16	349	101	H

Pk - Peak detector

VERTICAL RESULT

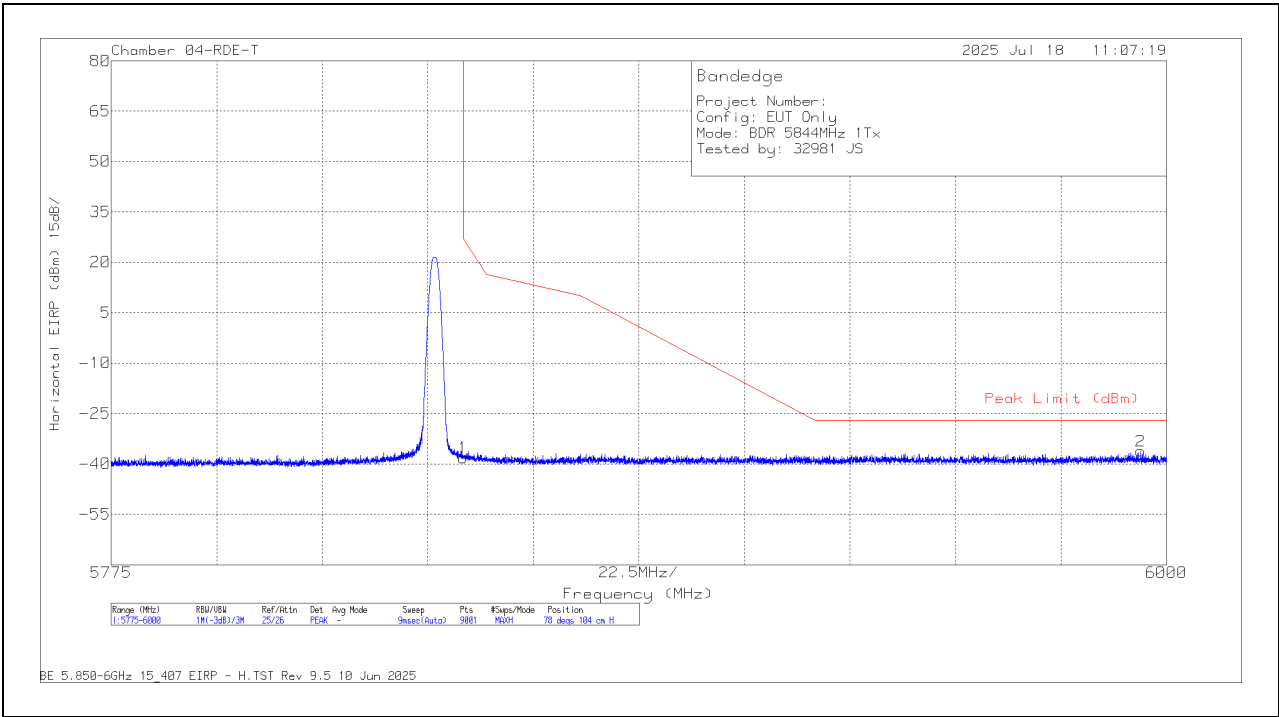


Marker	Frequency (MHz)	Meter Reading (dBm)	Det	79834 ACF (dBm)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5638.734	-49.14	Pk	34.7	11.8	0	-35.21	-37.85	-27	-10.85	353	129	V
1	5725	-50.8	Pk	34.7	11.8	0	-35.3	-39.6	27	-66.6	353	129	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

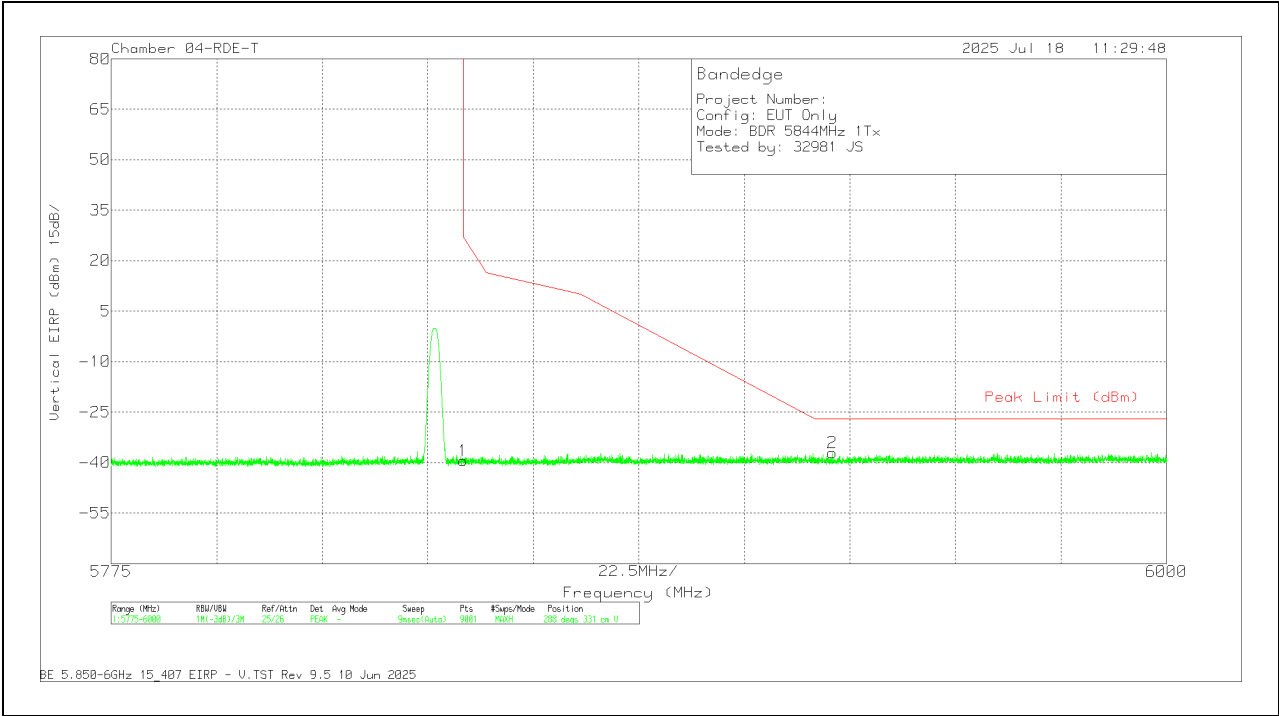
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBm)	Det	79834 ACF (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-49.99	Pk	35	11.8	0	-34.97	-38.16	27	-65.16	78	104	H
2	5994.5	-48.5	Pk	35.3	11.8	0	-34.83	-36.23	-27	-9.23	78	104	H

Pk - Peak detector

VERTICAL RESULT



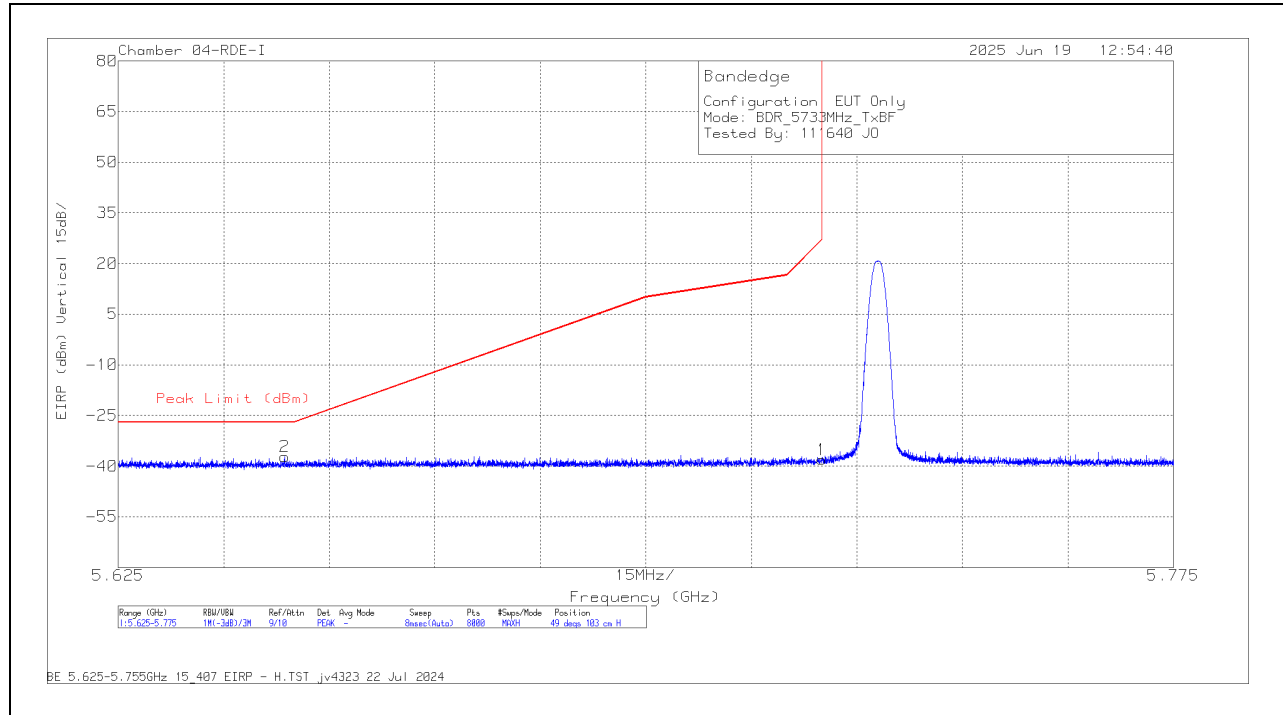
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	79834 ACF (dBm)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-51.24	Pk	35	11.8	0	-34.97	-39.41	27	-66.41	288	331	V
2	5928.725	-49.37	Pk	35.3	11.8	0	-34.8	-37.07	-27	-10.07	288	331	V

Pk - Peak detector

10.1.5. UNII-3 BAND MIMO TXBF MODE – BANDEDGE – HIGH POWER

UNII-3 (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cb/ Ftr/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Correct Reading EIRP (dBm)	Pk Limit (dBm)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	5733	6 + 5	5.648646	-65.92	Pk	34.3	-17.4	11.8	0	-37.22	-27	-10.22	49	103	H
			5.725	-66.93	Pk	34.5	-17.4	11.8	0	-38.03	-27	-65.03	49	103	H
			5.641389	-66.32	Pk	34.3	-17.5	11.8	0	-37.72	-27	-10.72	76	104	V
			5.725	-67.95	Pk	34.5	-17.4	11.8	0	-39.05	-27	-66.05	76	104	V
	5844	6 + 5	5.85	-67.86	Pk	34.9	-16.4	11.8	0	-37.56	-27	-64.56	275	156	H
			5.971875	-67.04	Pk	35.2	-16.4	11.8	0	-36.44	-27	-9.44	275	156	H
			5.85	-68.39	Pk	34.9	-16.4	11.8	0	-38.09	-27	-65.09	309	352	V
			5.932663	-66.73	Pk	35.1	-16.2	11.8	0	-36.03	-27	-9.03	309	352	V
LE1M	5733	6 + 5	5.725	-47.25	Pk	35.1	-37.88	11.8	0	-38.23	-27	-65.23	223	146	H
			5.640167	-47.73	Pk	34.9	-38.1	11.8	0	-39.13	-27	-12.13	223	146	H
			5.725	-49.53	Pk	35.1	-37.88	11.8	0	-40.51	-27	-67.51	259	320	V
			5.6453	-47.34	Pk	34.9	-38.1	11.8	0	-38.74	-27	-11.74	259	320	V
	5844	6 + 5	5.85	-45.93	Pk	35.3	-37.69	11.8	0	-36.52	-27	-63.52	178	124	H
			5.928025	-47.43	Pk	35.4	-37.47	11.8	0	-37.7	-27	-10.7	178	124	H
			5.85	-50.03	Pk	35.3	-37.69	11.8	0	-40.62	-27	-67.62	260	397	V
			5.98145	-47.81	Pk	35.6	-37.39	11.8	0	-37.8	-27	-10.8	260	397	V
LE2M	5733	6 + 5	5.64904	-66.71	Pk	34.3	-17.4	11.8	0	-38.01	-27	-11.01	50	110	H
			5.725	-68.96	Pk	34.5	-17.4	11.8	0	-40.06	-27	-67.06	50	110	H
			5.641652	-65.72	Pk	34.3	-17.5	11.8	0	-37.12	-27	-10.12	65	103	V
			5.725	-68.76	Pk	34.5	-17.4	11.8	0	-39.86	-27	-66.86	65	103	V
	5844	6 + 5	5.85	-66.65	Pk	34.9	-16.4	11.8	0	-36.35	-27	-63.35	39	108	H
			5.958429	-66.98	Pk	35.2	-16.3	11.8	0	-36.28	-27	-9.28	39	108	H
			5.85	-69.38	Pk	34.9	-16.4	11.8	0	-39.08	-27	-66.08	70	109	V
			5.988584	-65.65	Pk	35.2	-16.4	11.8	0	-35.05	-27	-8.05	70	109	V
HDT4	5733	6 + 5	5.62635	-65.82	Pk	34.3	-17.5	11.8	0	-37.22	-27	-10.22	49	139	H
			5.725	-66.13	Pk	34.5	-17.4	11.8	0	-37.23	-27	-64.23	49	139	H
			5.647315	-66.02	Pk	34.3	-17.5	11.8	0	-37.42	-27	-10.42	122	107	V
			5.725	-68.23	Pk	34.5	-17.4	11.8	0	-39.33	-27	-66.33	122	107	V
	5844	6 + 5	5.85	-59.89	Pk	34.9	-16.4	11.8	0	-29.59	-27	-56.59	41	126	H
			5.93061	-66.39	Pk	35.1	-16.2	11.8	0	-35.69	-27	-8.69	41	126	H
			5.85	-68.7	Pk	34.9	-16.4	11.8	0	-38.4	-27	-65.4	74	133	V
			5.981467	-66.93	Pk	35.2	-16.4	11.8	0	-36.33	-27	-9.33	74	133	V
XHDRPS2	5733	6 + 5	5.638884	-48.4	Pk	34.6	-36.25	11.8	0	-38.25	-27	-11.25	132	102	H
			5.725	-48.42	Pk	34.8	-36.16	11.8	0	-37.98	-27	-64.98	132	102	H
			5.635934	-49.17	Pk	34.6	-36.22	11.8	0	-38.99	-27	-11.99	115	103	V
			5.725	-50.43	Pk	34.8	-36.16	11.8	0	-39.99	-27	-66.99	115	103	V
	5844	6 + 5	5.85	-70.92	Pk	34.9	-16.4	11.8	0	-40.62	-27	-67.62	83	208	H
			5.983239	-67.47	Pk	35.2	-16.4	11.8	0	-36.87	-27	-9.87	83	208	H
			5.85	-70.22	Pk	34.9	-16.4	11.8	0	-39.92	-27	-66.92	102	143	V
			5.995588	-67.2	Pk	35.2	-16.5	11.8	0	-36.7	-27	-9.7	102	143	V
XHDRPM8	5733	6 + 5	5.629069	-66.54	Pk	34.3	-17.5	11.8	0	-37.94	-27	-10.94	225	225	H
			5.725	-58.59	Pk	34.5	-17.4	11.8	0	-29.69	-27	-56.69	225	225	H
			5.645515	-66.6	Pk	34.3	-17.6	11.8	0	-38.1	-27	-11.1	254	161	V
			5.725	-67.37	Pk	34.5	-17.4	11.8	0	-38.47	-27	-65.47	254	161	V
	5844	6 + 5	5.85	-54.62	Pk	34.9	-16.4	11.8	0	-24.32	-27	-51.32	225	108	H
			5.985096	-66.13	Pk	35.2	-16.4	11.8	0	-35.53	-27	-8.53	225	108	H
			5.85	-62.93	Pk	34.9	-16.4	11.8	0	-32.63	-27	-59.63	300	200	V
			5.996685	-66.95	Pk	35.2	-16.5	11.8	0	-36.45	-27	-9.45	300	200	V
HDRPL16	5733	6 + 5	5.633467	-48	Pk	34.6	-36.21	11.8	0	-37.81	-27	-10.81	136	267	H
			5.725	-29.44	Pk	34.8	-36.16	11.8	0	-19	-27	-46	136	267	H
			5.650634	-48.82	Pk	34.6	-36.25	11.8	0	-38.67	-26.53	-12.14	170	343	V
			5.725	-36.96	Pk	34.8	-36.16	11.8	0	-26.52	-27	-53.52	170	343	V
	5844	6 + 5	5.85	-14.49	Pk	35	-36.1	11.8	0	-3.79	-27	-30.79	139	315	H
			5.948275	-47.64	Pk	35.2	-35.81	11.8	0	-36.45	-27	-9.45	139	315	H
			5.85	-25.45	Pk	35	-36.1	11.8	0	-14.75	-27	-41.75	166	346	V
			5.954525	-48.78	Pk	35.2	-35.87	11.8	0	-37.65	-27	-10.65	166	346	V

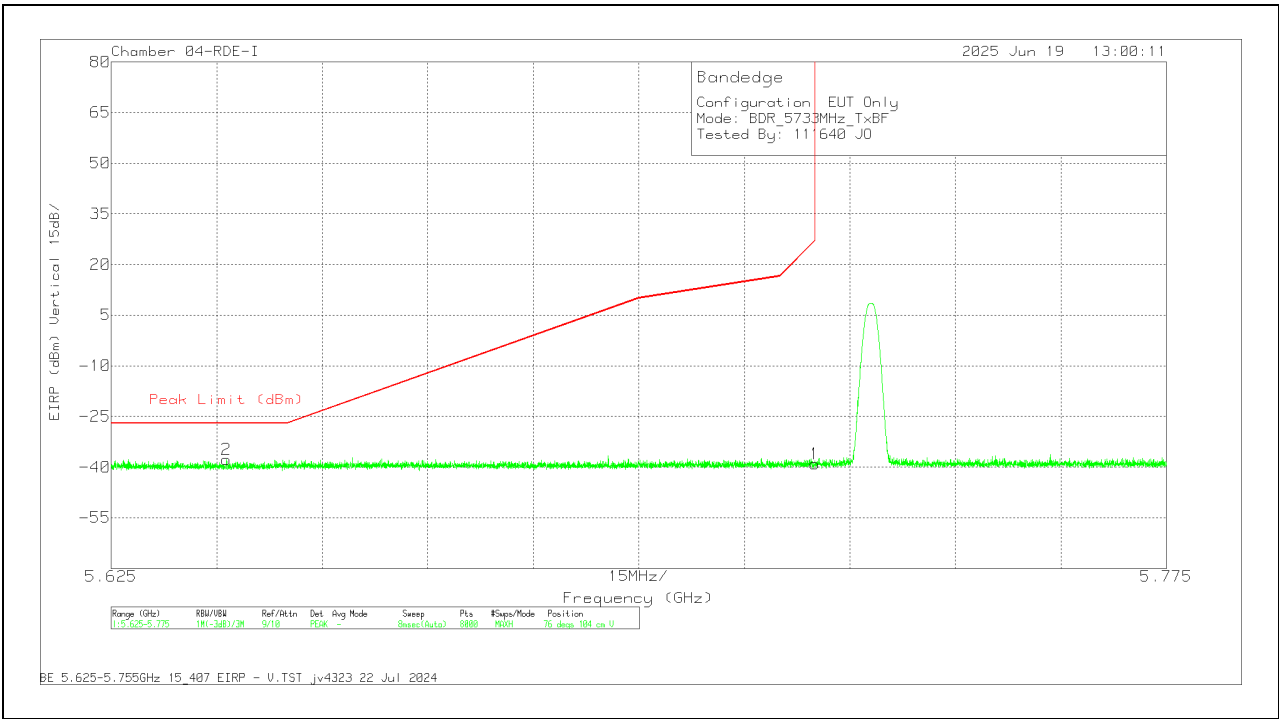
Pk - Peak detector

2TX Antenna 6 + Antenna 5 TXBF MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.648646	-65.92	Pk	34.3	-17.4	11.8	0	-37.22	-27	-10.22	49	103	H
1	5.725	-66.93	Pk	34.5	-17.4	11.8	0	-38.03	27	-65.03	49	103	H

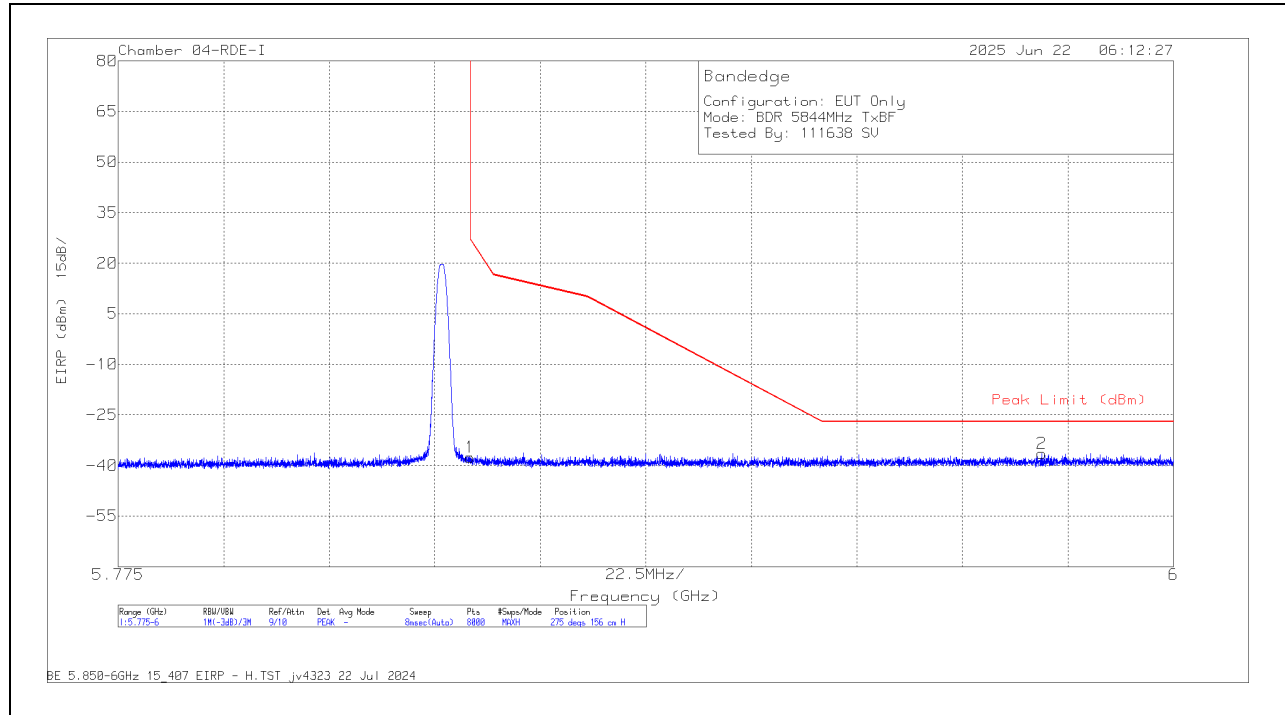
Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	222740 ACF (dB / m)	Amp/Cbl/Pa d (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.641389	-66.32	Pk	34.3	-17.5	11.8	0	-37.72	-27	-10.72	76	104	V
1	5.725	-67.95	Pk	34.5	-17.4	11.8	0	-39.05	27	-66.05	76	104	V

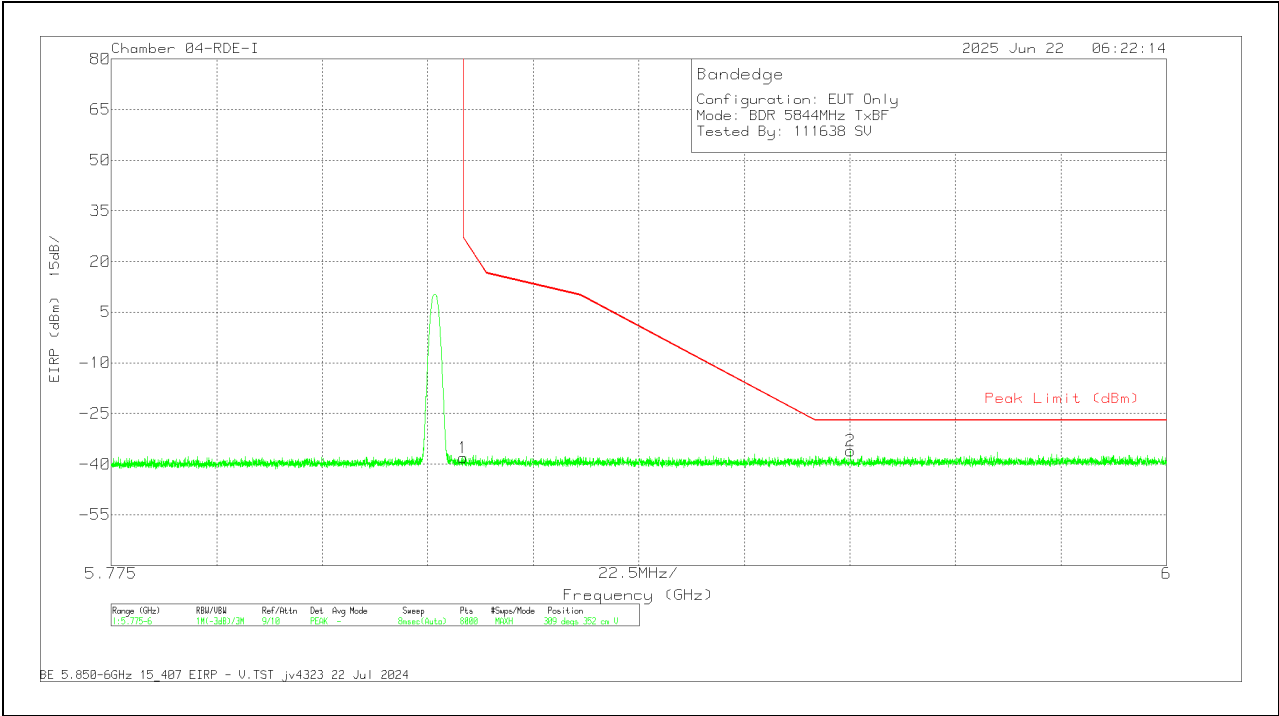
Pk - Peak detector

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	222740 ACF (dB/m)	Amp/Cbl/Pa d (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.86	Pk	34.9	-16.4	11.8	0	-37.56	27	-64.56	275	156	H
2	5.971875	-67.04	Pk	35.2	-16.4	11.8	0	-36.44	-27	-9.44	275	156	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	222740 ACF (dB / m)	Amp/Cbl/Pa d (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.39	Pk	34.9	-16.4	11.8	0	-38.09	27	-65.09	309	352	V
2	5.932663	-66.73	Pk	35.1	-16.2	11.8	0	-36.03	-27	-9.03	309	352	V

Pk - Peak detector

10.1.6. UNII-3 MIMO TXBF BAND – SPURIOUS EMISSIONS – HIGH POWER

UNII-3 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	5733	6 + 5	2.59862	46.66	PK-U	32.5	-26.24	0	52.92	-	-	68.2	-15.28	205	209	H
			2.601452	34.9	ADR	32.5	-26.25	1.15	42.3	-	-	-	-	205	209	H
			2.608305	34.81	ADR	32.5	-26.08	1.15	42.38	-	-	-	-	243	147	V
			2.611319	46.41	PK-U	32.5	-26.06	0	52.85	-	-	68.2	-15.35	243	147	V
			9.6722	44.99	ADR	37.2	-45.03	1.15	38.31	-	-	-	-	147	243	H
			9.681109	56.34	PK-U	37.2	-45.02	0	48.52	-	-	68.2	-19.68	4	263	V
			9.688894	56.4	PK-U	37.2	-45.15	0	48.45	-	-	68.2	-19.75	147	243	H
			9.698959	44.89	ADR	37.2	-45.13	1.15	38.11	-	-	-	-	4	263	V
			12.732815	55.1	PK-U	39	-43.51	0	50.59	-	-	68.2	-17.61	3	207	V
			12.758203	43.59	ADR	39	-43.86	1.15	39.88	-	-	-	-	3	207	V
			12.820947	55.73	PK-U	39	-43.74	0	50.99	-	-	68.2	-17.21	136	375	H
			12.829374	44.25	ADR	39	-43.69	1.15	40.71	-	-	-	-	136	375	H
			2.982984	34.74	ADR	32.8	-25.62	1.15	43.07	-	-	-	-	357	266	H
			2.986926	34.76	ADR	32.8	-25.68	1.15	43.03	-	-	-	-	156	155	V
			2.993198	47.15	PK-U	32.8	-25.67	0	54.28	-	-	68.2	-13.92	357	266	H
			2.994231	46.76	PK-U	32.8	-25.65	0	53.91	-	-	68.2	-14.29	156	155	V
			10.071709	44.87	ADR	37.4	-45.36	1.15	38.06	-	-	-	-	308	172	V
	5788	6 + 5	10.073179	57.42	PK-U	37.4	-45.34	0	49.48	-	-	68.2	-18.72	308	172	V
			10.082768	56.7	PK-U	37.4	-45.33	0	48.77	-	-	68.2	-19.43	214	256	H
			10.10259	45.06	ADR	37.5	-45.56	1.15	38.15	-	-	-	-	214	256	H
			13.940969	44.19	ADR	39	-43.39	1.15	40.95	-	-	-	-	357	298	V
			13.944978	56.15	PK-U	39	-43.44	0	51.71	-	-	68.2	-16.49	357	298	V
			13.996139	44.35	ADR	39	-43.35	1.15	41.15	-	-	-	-	261	124	H
			13.998198	56.56	PK-U	39	-43.33	0	52.23	-	-	68.2	-15.97	261	124	H
			2.963209	34.85	ADR	32.7	-25.8	1.15	42.9	-	-	-	-	262	256	H
			2.980196	34.84	ADR	32.8	-25.67	1.15	43.12	-	-	-	-	243	155	V
			2.982375	46.56	PK-U	32.8	-25.63	0	53.73	-	-	68.2	-14.47	262	256	H
			2.986148	46.52	PK-U	32.8	-25.64	0	53.68	-	-	68.2	-14.52	243	155	V
			9.564993	45	ADR	37	-45.21	1.15	37.94	-	-	-	-	86	184	V
			9.577651	56.71	PK-U	37.1	-45.15	0	48.66	-	-	68.2	-19.54	86	184	V
			9.601384	45.13	ADR	37.1	-45.16	1.15	38.22	-	-	-	-	195	132	H
			9.611348	56.76	PK-U	37.1	-45.02	0	48.84	-	-	68.2	-19.36	195	132	H
			13.051489	44.06	ADR	38.9	-43.64	1.15	40.47	-	-	-	-	3	106	V
			13.059821	55.72	PK-U	38.9	-43.52	0	51.1	-	-	68.2	-17.1	3	106	V
	5844	6 + 5	13.119099	43.76	ADR	38.9	-43.52	1.15	40.29	-	-	-	-	75	149	H
			13.131295	55.81	PK-U	38.9	-43.63	0	51.08	-	-	68.2	-17.12	75	149	H
LE1M	5733	6 + 5	2.558299	61.01	PK-U	32.4	-49.68	0	43.73	-	-	68.2	-24.47	239	266	H
			2.554606	49.12	ADR	32.4	-49.71	0.72	32.53	-	-	-	-	239	266	H
			2.547474	61.68	PK-U	32.4	-49.69	0	44.39	-	-	68.2	-23.81	356	318	V
			2.560194	49.14	ADR	32.4	-49.66	0.72	32.6	-	-	-	-	356	318	V
			11.632755	55.41	PK-U	38.4	-44.09	0	49.72	-	-	74	-24.28	198	302	H
			11.627475	43.74	ADR	38.4	-44.19	0.72	38.67	54	-15.33	-	-	198	302	H
			16.370195	54.34	PK-U	40.5	-42.55	0	52.29	-	-	-	-	86	168	H
			16.396662	41.82	ADR	40.5	-42.57	0.72	40.47	-	-	-	-	86	168	H
			11.608965	55.41	PK-U	38.4	-44.3	0	49.51	-	-	74	-24.49	345	202	V
			11.628392	43.65	ADR	38.4	-44.16	0.72	38.61	54	-15.39	-	-	345	202	V
			16.397282	54.11	PK-U	40.5	-42.57	0	52.04	-	-	68.2	-16.16	253	293	V
			16.395789	42.25	ADR	40.5	-42.57	0.72	40.9	-	-	-	-	253	293	V
	5788	6 + 5	2.444824	60.94	PK-U	32.4	-50.15	0	43.19	-	-	68.2	-25.01	185	353	H
			2.448711	49.09	ADR	32.4	-50.17	0.72	32.04	-	-	-	-	185	353	H
			4.53384	58.71	PK-U	34.3	-48.33	0	44.68	-	-	74	-29.32	54	216	H
			4.505813	46.96	ADR	34.2	-48.22	0.72	33.66	54	-20.34	-	-	54	216	H
			2.445019	60.7	PK-U	32.4	-50.15	0	42.95	-	-	-	-	64	392	V
			2.444819	49.14	ADR	32.4	-50.15	0.72	32.11	-	-	-	-	64	392	V
			4.504992	58.55	PK-U	34.2	-48.2	0	44.55	-	-	74	-29.45	228	211	V
			4.510265	46.64	ADR	34.3	-48.37	0.72	33.29	54	-20.71	-	-	228	211	V
			13.04081	55.5	PK-U	38.8	-43.47	0	50.83	-	-	68.2	-17.37	213	280	H
			13.049085	42.68	ADR	38.8	-43.41	0.72	38.79	-	-	-	-	213	280	H
			13.071959	54.06	PK-U	38.8	-43.05	0	49.81	-	-	68.2	-18.39	352	147	V
			13.061506	42.58	ADR	38.8	-43.21	0.72	38.89	-	-	-	-	352	147	V
	5844	6 + 5	2.814824	59.7	PK-U	32.7	-49.17	0	43.23	-	-	74	-30.77	62	399	H
			2.821644	48.06	ADR	32.7	-49.16	0.72	32.32	54	-21.68	-	-	62	399	H
			2.824924	59.6	PK-U	32.7	-49.25	0	43.05	-	-	74	-30.95	208	170	V
			2.822704	48.1	ADR	32.7	-49.19	0.72	32.33	54	-21.67	-	-	208	170	V
			11.994804	55.12	PK-U	39	-43.71	0	50.41	-	-	74	-23.59	289	226	H
			11.9972	43.09	ADR	39	-43.69	0.72	39.12	54	-14.88	-	-	289	226	H
			17.053649	53.95	PK-U	41.4	-41.59	0	53.76	-	-	68.2	-14.44	355	227	H
			17.048089	42.16	ADR	41.4	-41.71	0.72	42.57	-	-	-	-	355	227	H
			11.996582	55.56	PK-U	39	-43.68	0	50.88	-	-	74	-23.12	4	302	V
			12.004635	43.35	ADR	39	-43.74	0.72	39.33	54	-14.67	-	-	4	302	V
			17.043483	53.86	PK-U	41.3	-41.75	0	53.41	-	-	68.2	-14.79	63	289	V
			17.037314	42.36	ADR	41.3	-41.72	0.72	42.66	-	-	-	-	63	289	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNII-3 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LE2M	5733	6 + 5	* 8.372888	56.57	PK-U	36	-45.56	0	47.01	-	-	74	-26.99	0	100	H
			* 8.386111	44.96	ADR	36	-45.54	2.44	37.86	54	-16.14	-	-	0	100	H
			* 8.398765	56.59	PK-U	36	-45.49	0	47.1	-	-	74	-26.9	0	201	V
			* 8.379136	44.79	ADR	36	-45.57	2.44	37.66	54	-16.34	-	-	0	201	V
			1.93058	45.85	PK-U	31.5	-26.89	0	50.46	-	-	68.2	-17.74	0	100	H
			1.937453	46.03	PK-U	31.5	-26.84	0	50.69	-	-	68.2	-17.51	0	201	V
			1.959254	34.25	ADR	31.6	-26.93	2.44	41.36	-	-	-	-	0	201	V
			1.960276	33.67	ADR	31.6	-26.9	2.44	40.81	-	-	-	-	0	100	H
			3.395636	45.11	PK-U	32.9	-25.39	0	52.62	-	-	68.2	-15.58	0	100	H
			3.397047	33.54	ADR	32.9	-25.38	2.44	43.5	-	-	-	-	0	100	H
			3.403365	33.59	ADR	32.9	-25.3	2.44	43.63	-	-	-	-	0	200	V
			3.421156	45.34	PK-U	32.9	-25.36	0	52.88	-	-	68.2	-15.32	0	200	V
			* 4.832514	47.15	PK-U	34.4	-24.75	0	56.8	-	-	74	-17.2	0	100	H
			* 4.840405	34.99	ADR	34.4	-24.74	2.44	47.09	54	-6.91	-	-	0	100	H
			* 4.836298	47.69	PK-U	34.4	-24.79	0	57.3	-	-	74	-16.7	0	200	V
			* 4.84129	35.02	ADR	34.4	-24.71	2.44	47.15	54	-6.85	-	-	0	200	V
			2.906776	45.93	PK-U	32.5	-25.69	0	52.74	-	-	68.2	-15.46	0	201	V
	5788	6 + 5	2.907751	34.29	ADR	32.5	-25.69	2.44	43.54	-	-	-	-	0	201	V
			2.917413	34.5	ADR	32.6	-25.77	2.44	43.77	-	-	-	-	0	100	H
			2.922365	46.42	PK-U	32.6	-25.69	0	53.33	-	-	68.2	-14.87	0	100	H
			9.676248	44.8	ADR	37.2	-45.06	2.44	39.38	-	-	-	-	0	100	H
			9.681787	56.7	PK-U	37.2	-45.05	0	48.85	-	-	68.2	-19.35	0	100	H
			9.690487	56.12	PK-U	37.2	-45.12	0	48.2	-	-	68.2	-20	0	201	V
			9.692137	44.72	ADR	37.2	-45.12	2.44	39.24	-	-	-	-	0	201	V
			* 2.327905	46.48	PK-U	31.7	-26.62	0	51.56	-	-	74	-22.44	0	100	H
			* 2.322142	34.53	ADR	31.7	-26.54	2.44	42.13	54	-11.87	-	-	0	100	H
			* 2.338765	46.4	PK-U	31.8	-26.52	0	51.68	-	-	74	-22.32	0	201	V
			* 2.334944	34.45	ADR	31.8	-26.59	2.44	42.1	54	-11.9	-	-	0	201	V
			4.454531	46.58	PK-U	33.8	-25.01	0	55.37	-	-	68.2	-12.83	0	100	H
			4.481533	34.63	ADR	33.9	-24.81	2.44	46.16	-	-	-	-	0	200	V
			4.481868	46.55	PK-U	33.9	-24.8	0	55.65	-	-	68.2	-12.55	0	200	V
			4.486841	34.68	ADR	33.9	-24.79	2.44	46.23	-	-	-	-	0	100	H
			9.840239	56.57	PK-U	37.3	-45	0	48.87	-	-	68.2	-19.33	0	201	V
			9.855457	44.75	ADR	37.2	-45.06	2.44	39.33	-	-	-	-	0	201	V
HDT4	5733	6 + 5	9.870664	56.47	PK-U	37.3	-45.2	0	48.57	-	-	68.2	-19.63	0	100	H
			9.872433	44.96	ADR	37.3	-45.18	2.44	39.52	-	-	-	-	0	100	H
			* 9.010687	56.68	PK-U	36.3	-45.21	0	47.77	-	-	74	-26.23	304	208	H
			* 9.014581	56.73	PK-U	36.3	-45.18	0	47.85	-	-	74	-26.15	333	199	V
			2.511166	46.25	PK-U	32.4	-26.42	0	52.23	-	-	68.2	-15.97	256	123	V
			2.519965	34.71	ADR	32.4	-26.28	0.3	41.13	-	-	-	-	256	123	V
			2.539176	34.67	ADR	32.4	-26.34	0.3	41.03	-	-	-	-	107	161	H
			2.546994	46.26	PK-U	32.4	-26.29	0	52.37	-	-	68.2	-15.83	107	161	H
			8.976014	45.21	ADR	36.3	-45.42	0.3	36.39	-	-	-	-	333	199	V
			8.983906	45.09	ADR	36.3	-45.43	0.3	36.26	-	-	-	-	304	208	H
			15.185758	56.6	PK-U	39.9	-42.71	0	53.79	-	-	68.2	-14.41	149	166	V
			15.199089	45.2	ADR	39.9	-42.97	0.3	42.43	-	-	-	-	149	166	V
			15.258937	56.95	PK-U	40	-43.19	0	53.76	-	-	68.2	-14.44	193	126	H
			15.264064	45.28	ADR	40	-43.22	0.3	42.36	-	-	-	-	193	126	H
			3.457639	34.06	ADR	33	-25.62	0.3	41.74	-	-	-	-	1	359	V
	5788	6 + 5	3.461541	46.27	PK-U	33	-25.54	0	53.73	-	-	68.2	-14.47	1	359	V
			3.470037	34.17	ADR	33	-25.52	0.3	41.95	-	-	-	-	337	183	H
			3.483283	45.68	PK-U	33	-25.46	0	53.22	-	-	68.2	-14.98	337	183	H
			6.467722	57.44	PK-U	35.6	-46.17	0	46.87	-	-	68.2	-21.33	330	103	H
			6.47988	45.79	ADR	35.6	-46.2	0.3	35.49	-	-	-	-	330	103	H
			6.485736	45.23	ADR	35.6	-46.12	0.3	35.01	-	-	-	-	189	163	V
			6.491033	57.07	PK-U	35.6	-46.06	0	46.61	-	-	68.2	-21.59	189	163	V
			14.782212	56.46	PK-U	39.8	-42.72	0	53.54	-	-	68.2	-14.66	84	174	V
			14.800309	44.91	ADR	39.8	-42.74	0.3	42.27	-	-	-	-	84	174	V
			14.813548	45.12	ADR	39.8	-43.22	0.3	42	-	-	-	-	357	244	H
			14.838329	56.83	PK-U	39.8	-43.24	0	53.39	-	-	68.2	-14.81	357	244	H
	5844	6 + 5	* 4.81249	47.07	PK-U	34.4	-24.77	0	56.7	-	-	74	-17.3	215	103	H
			* 4.819035	35.53	ADR	34.4	-24.85	0.3	45.38	54	-8.62	-	-	215	103	H
			* 4.957908	46.86	PK-U	34.4	-24.64	0	56.62	-	-	74	-17.38	16	111	V
			* 4.985281	35.56	ADR	34.3	-24.45	0.3	45.71	54	-8.29	-	-	16	111	V
			6.246759	56.82	PK-U	35.6	-46.17	0	46.25	-	-	68.2	-21.95	4	280	V
			6.26044	58.18	PK-U	35.6	-46.07	0	47.71	-	-	68.2	-20.49	300	167	H
			6.263305	45.18	ADR	35.6	-46.01	0.3	35.07	-	-	-	-	4	280	V
			6.268422	46.3	ADR	35.6	-45.99	0.3	36.21	-	-	-	-	300	167	H
			16.927893	56.64	PK-U	40.7	-42.98	0	54.36	-	-	68.2	-13.84	357	234	H
			16.928981	44.98	ADR	40.7	-42.92	0.3	43.06	-	-	-	-	357	234	H
			16.95065	44.95	ADR	40.7	-42.88	0.3	43.07	-	-	-	-	3	182	V
			16.953666	56.5	PK-U	40.7	-42.85	0	54.35	-	-	68.2	-13.85	3	182	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNII-3 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl/ Filt/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
XHDP52	5733	6 + 5	* 2.655159	46.29	PK-U	32.4	-25.95	0	52.74	-	-	74	-21.26	9	272	H
			2.619486	34.72	ADR	32.5	-26.05	0	41.17	-	-	-	-	299	112	V
			2.62898	46.43	PK-U	32.5	-26.05	0	52.88	-	-	68.2	-15.32	299	112	V
			2.630328	34.71	ADR	32.5	-26.04	0	41.17	-	-	-	-	9	272	H
			6.797063	55.9	PK-U	35.7	-46.27	0	45.33	-	-	68.2	-22.87	62	177	V
			6.818606	56.66	PK-U	35.7	-46.26	0	46.1	-	-	68.2	-22.1	70	176	H
			6.823319	44.73	ADR	35.7	-46.29	0	34.14	-	-	-	-	70	176	H
			6.825741	44.87	ADR	35.7	-46.29	0	34.28	-	-	-	-	62	177	V
			10.081535	56.54	PK-U	37.4	-45.32	0	48.62	-	-	68.2	-19.58	351	267	V
			10.098961	45.31	ADR	37.5	-45.53	0	37.28	-	-	-	-	351	267	V
			10.102755	45.36	ADR	37.5	-45.55	0	37.31	-	-	-	-	18	173	H
			10.105286	56.89	PK-U	37.5	-45.6	0	48.79	-	-	68.2	-19.41	18	173	H
	5788	6 + 5	2.077964	34.3	ADR	31.5	-26.92	0	38.88	-	-	-	-	338	153	H
			2.079837	34.34	ADR	31.5	-26.89	0	38.95	-	-	-	-	311	253	V
			2.094482	46.14	PK-U	31.5	-26.87	0	50.77	-	-	68.2	-17.43	338	153	H
			2.11198	46.17	PK-U	31.5	-26.8	0	50.87	-	-	68.2	-17.33	311	253	V
			9.743918	45.24	ADR	37.2	-45.49	0	36.95	-	-	-	-	57	147	V
			9.744699	56.45	PK-U	37.2	-45.49	0	48.16	-	-	68.2	-20.04	57	147	V
			9.746051	57.43	PK-U	37.2	-45.52	0	49.11	-	-	68.2	-19.09	240	378	H
			9.764547	45.65	ADR	37.3	-45.3	0	37.65	-	-	-	-	240	378	H
			14.85023	45.14	ADR	39.8	-42.9	0	42.04	-	-	-	-	88	275	H
			14.850912	56.6	PK-U	39.8	-42.91	0	53.49	-	-	68.2	-14.71	88	275	H
			14.861899	45.43	ADR	39.8	-42.99	0	42.24	-	-	-	-	183	396	V
			14.863889	56.84	PK-U	39.8	-42.92	0	53.72	-	-	68.2	-14.48	183	396	V
	5844	6 + 5	1.821565	34.35	ADR	30.6	-27.06	0	37.89	-	-	-	-	357	157	H
			1.826222	45.83	PK-U	30.6	-27	0	49.43	-	-	68.2	-18.77	99	326	V
			1.826389	34.13	ADR	30.6	-27	0	37.73	-	-	-	-	99	326	V
			1.840073	45.86	PK-U	30.8	-27	0	49.66	-	-	68.2	-18.54	357	157	H
			9.617168	56.43	PK-U	37.1	-45.09	0	48.44	-	-	68.2	-19.76	238	278	H
			9.622637	45.11	ADR	37.1	-44.9	0	37.31	-	-	-	-	238	278	H
			9.634498	44.92	ADR	37.2	-44.8	0	37.32	-	-	-	-	303	256	V
			9.643996	56.08	PK-U	37.2	-44.74	0	48.54	-	-	68.2	-19.66	303	256	V
			14.770076	45.05	ADR	39.8	-43.2	0	41.65	-	-	-	-	308	315	V
			14.792521	56.49	PK-U	39.8	-42.61	0	53.68	-	-	68.2	-14.52	308	315	V
			14.807903	56.52	PK-U	39.8	-42.93	0	53.39	-	-	68.2	-14.81	6	311	H
			14.80803	45.05	ADR	39.8	-42.93	0	41.92	-	-	-	-	6	311	H
XHDP8M8	5733	6 + 5	* 2.796348	46.8	PK-U	32.4	-26.12	0	53.08	-	-	74	-20.92	360	100	H
			* 2.784975	34.84	ADR	32.4	-26.01	0.36	41.59	54	-12.41	-	-	360	100	H
			* 2.799234	47.1	PK-U	32.4	-26.06	0	53.44	-	-	74	-20.56	360	201	V
			* 2.79794	34.59	ADR	32.4	-26.07	0.36	41.28	54	-12.72	-	-	360	201	V
			* 7.456959	56.32	PK-U	35.7	-45.58	0	46.44	-	-	74	-27.56	360	100	H
			* 7.482067	44.58	ADR	35.7	-45.48	0.36	35.16	54	-18.84	-	-	360	100	H
			* 11.494254	56.38	PK-U	38.3	-44.47	0	50.21	-	-	74	-23.79	360	100	H
			* 11.465789	44.84	ADR	38.3	-44.65	0.36	38.85	54	-15.15	-	-	360	100	H
			* 7.53392	55.89	PK-U	35.7	-45.33	0	46.26	-	-	74	-27.74	360	201	V
			* 7.521105	44.37	ADR	35.7	-45.34	0.36	35.09	54	-18.91	-	-	360	201	V
			* 11.485054	57.33	PK-U	38.3	-44.63	0	51	-	-	74	-23	360	200	V
			* 11.49699	44.76	ADR	38.3	-44.46	0.36	38.96	54	-15.04	-	-	360	200	V
	5788	6 + 5	* 1.520495	45.47	PK-U	28.1	-27.35	0	46.22	-	-	74	-27.78	360	100	H
			* 1.536432	34.06	ADR	28	-27.32	0.36	35.1	54	-18.9	-	-	360	100	H
			* 3.77688	45.65	PK-U	33.5	-25.27	0	53.88	-	-	74	-20.12	360	100	H
			* 3.759158	33.76	ADR	33.4	-25.3	0.36	42.22	54	-11.78	-	-	360	100	H
			* 1.525894	45.49	PK-U	28	-27.34	0	46.15	-	-	74	-27.85	360	201	V
			* 1.508761	34.03	ADR	28.1	-27.37	0.36	35.12	54	-18.88	-	-	360	201	V
			* 3.798867	45.77	PK-U	33.6	-25.38	0	53.99	-	-	74	-20.01	360	200	V
			* 3.791755	33.96	ADR	33.6	-25.32	0.36	42.6	54	-11.4	-	-	360	200	V
			* 11.403928	56.81	PK-U	38.2	-44.52	0	50.49	-	-	74	-23.51	360	100	H
			* 11.422361	44.88	ADR	38.3	-44.73	0.36	38.81	54	-15.19	-	-	360	100	H
			* 11.48749	56.28	PK-U	38.3	-44.54	0	50.04	-	-	74	-23.96	360	201	V
			* 11.470544	44.96	ADR	38.3	-44.65	0.36	38.97	54	-15.03	-	-	360	201	V
	5844	6 + 5	* 1.526698	46.21	PK-U	28	-27.32	0	46.89	-	-	74	-27.11	360	100	H
			* 1.519004	34.65	ADR	28.1	-27.3	0.36	35.81	54	-18.19	-	-	360	100	H
			* 1.53224	46.48	PK-U	28	-27.26	0	47.22	-	-	74	-26.78	360	201	V
			* 1.524354	34.72	ADR	28.1	-27.35	0.36	35.83	54	-18.17	-	-	360	201	V
			* 8.11851	56.4	PK-U	35.9	-45.37	0	46.93	-	-	74	-27.07	360	100	H
			* 8.112759	44.61	ADR	35.9	-45.25	0.36	35.62	54	-18.38	-	-	360	100	H
			* 11.62434	56.74	PK-U	38.5	-44.61	0	50.63	-	-	74	-23.37	360	100	H
			* 11.62936	44.86	ADR	38.5	-44.56	0.36	39.16	54	-14.84	-	-	360	100	H
			* 8.133733	56.21	PK-U	35.9	-45.42	0	46.69	-	-	74	-27.31	360	201	V
			* 8.118764	44.56	ADR	35.9	-45.37	0.36	35.45	54	-18.55	-	-	360	201	V
			* 11.632804	56.38	PK-U	38.5	-44.52	0	50.36	-	-	74	-23.64	360	200	V
			* 11.636139	45.02	ADR	38.5	-44.48	0.36	39.4	54	-14.6	-	-	360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

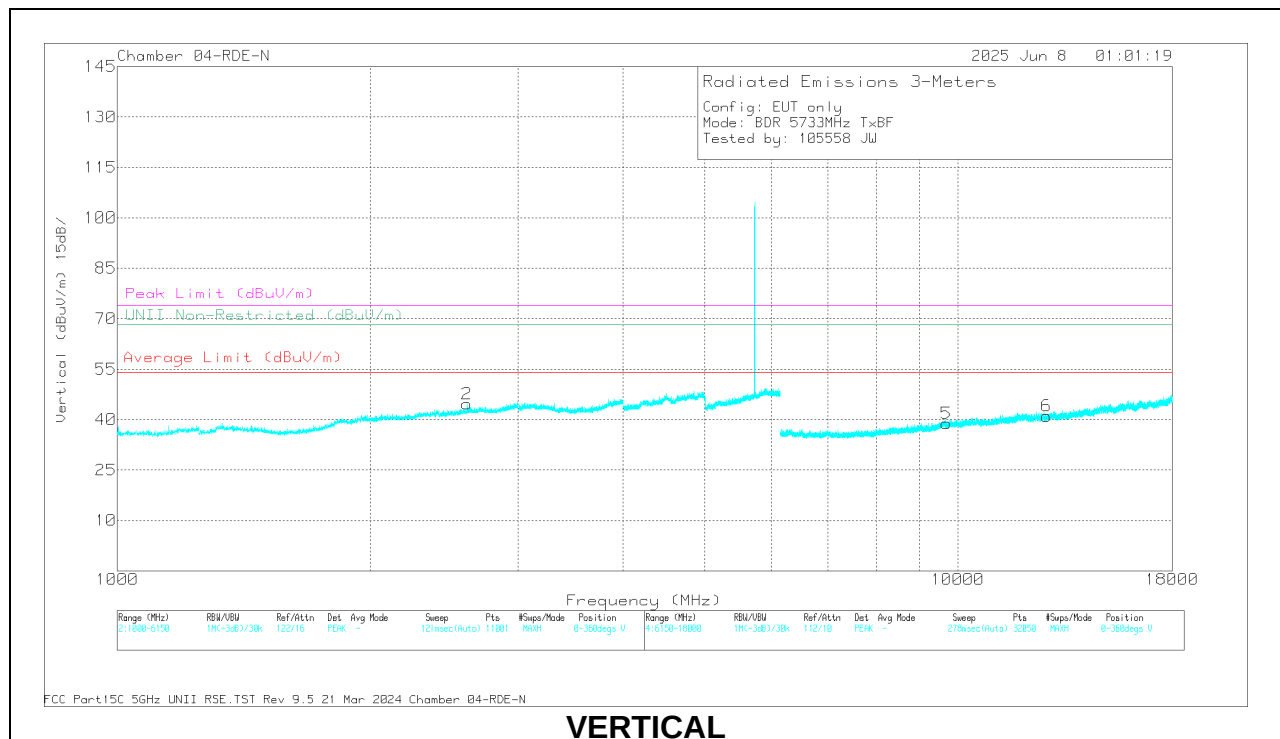
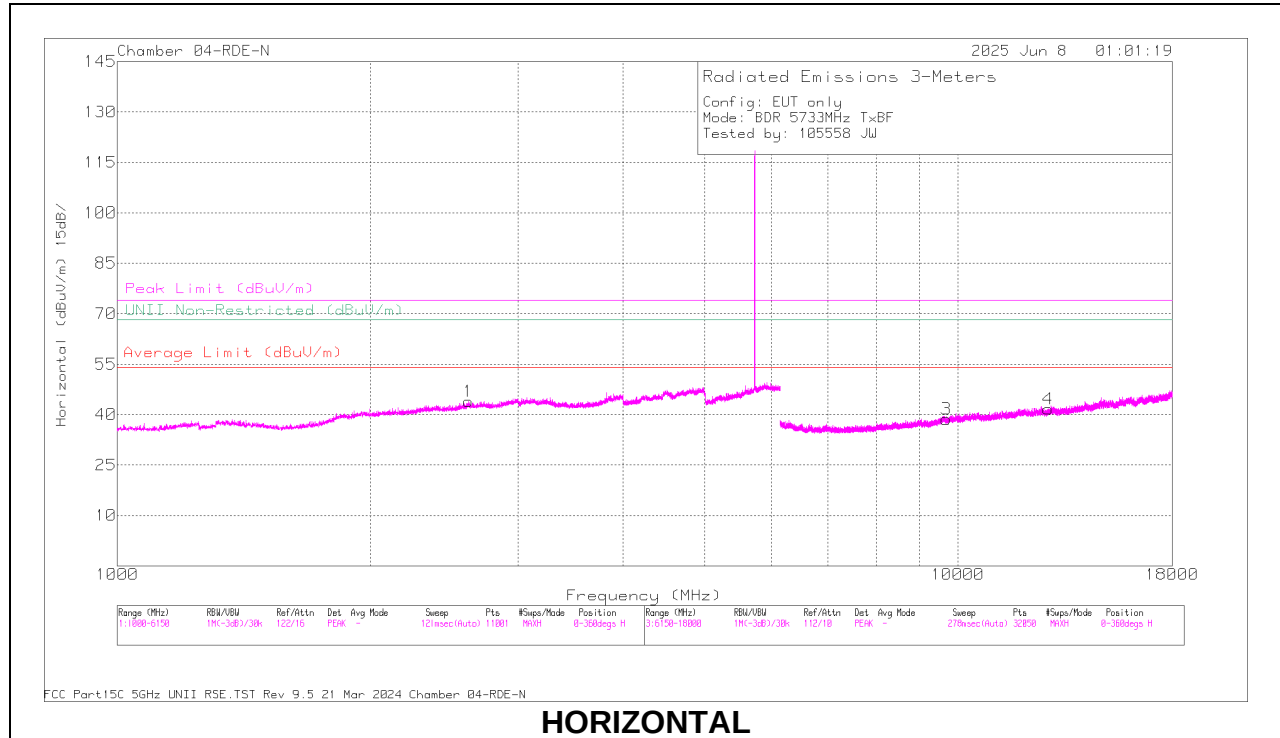
RMS - RMS detection

UNII-3 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cb/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDRPL16	5733	6 + 5	2.609713	34.69	ADR	32.5	-26.06	0.16	41.29	-	-	-	-	12	244	V
			2.617148	34.61	ADR	32.5	-26.11	0.16	41.16	-	-	-	-	357	199	H
			2.619574	46.48	PK-U	32.5	-26.04	0	52.94	-	-	68.2	-15.26	12	244	V
			2.639768	46.25	PK-U	32.4	-25.91	0	52.74	-	-	68.2	-15.46	357	199	H
			9.718805	56.99	PK-U	37.2	-45.3	0	48.89	-	-	68.2	-19.31	251	229	V
			9.729211	45.21	ADR	37.2	-45.42	0.16	37.15	-	-	-	-	134	172	H
			9.735069	56.62	PK-U	37.2	-45.45	0	48.37	-	-	68.2	-19.83	134	172	H
			9.742138	45.03	ADR	37.2	-45.46	0.16	36.93	-	-	-	-	251	229	V
			16.530751	57.67	PK-U	40.6	-43.07	0	55.2	-	-	68.2	-13	357	222	V
			16.535119	45.33	ADR	40.6	-43.04	0.16	43.05	-	-	-	-	357	222	V
			16.557575	45.54	ADR	40.6	-43.07	0.16	43.23	-	-	-	-	279	368	H
			16.568934	56.92	PK-U	40.6	-43.11	0	54.41	-	-	68.2	-13.79	279	368	H
			2.578035	34.45	ADR	32.5	-26.19	0.16	40.92	-	-	-	-	219	158	H
			2.57944	46.18	PK-U	32.5	-26.17	0	52.51	-	-	68.2	-15.69	357	107	V
			2.587392	34.27	ADR	32.5	-26.31	0.16	40.62	-	-	-	-	357	107	V
	5788	6 + 5	2.589089	45.81	PK-U	32.5	-26.27	0	52.04	-	-	68.2	-16.16	219	158	H
			9.635374	44.75	ADR	37.2	-44.78	0.16	37.33	-	-	-	-	139	193	V
			9.657729	56.67	PK-U	37.2	-44.79	0	49.08	-	-	68.2	-19.12	139	193	V
			9.673732	44.99	ADR	37.2	-45.06	0.16	37.29	-	-	-	-	22	346	H
			9.69928	56.86	PK-U	37.2	-45.13	0	48.93	-	-	68.2	-19.27	22	346	H
			16.336678	55.97	PK-U	40.4	-42.84	0	53.53	-	-	68.2	-14.67	64	397	V
			16.365478	44.51	ADR	40.4	-42.86	0.16	42.21	-	-	-	-	64	397	V
			16.395311	56.01	PK-U	40.4	-42.87	0	53.54	-	-	68.2	-14.66	202	361	H
			16.408647	44.53	ADR	40.4	-42.79	0.16	42.3	-	-	-	-	202	361	H
			3.358826	33.95	ADR	32.9	-25.53	0.16	41.48	-	-	-	-	26	132	V
			3.360747	33.92	ADR	32.9	-25.54	0.16	41.44	-	-	-	-	306	191	H
			3.376011	45.8	PK-U	32.9	-25.5	0	53.2	-	-	68.2	-15	306	191	H
			3.376803	45.71	PK-U	32.9	-25.48	0	53.13	-	-	68.2	-15.07	26	132	V
			12.954647	44.41	ADR	38.9	-43.61	0.16	39.86	-	-	-	-	120	297	V
	5844	6 + 5	12.966878	55.76	PK-U	38.9	-43.65	0	51.01	-	-	68.2	-17.19	120	297	V
			12.978458	44.38	ADR	38.9	-43.55	0.16	39.89	-	-	-	-	193	206	H
			13.010531	55.85	PK-U	38.9	-43.2	0	51.55	-	-	68.2	-16.65	193	206	H
			16.631726	56.41	PK-U	40.7	-42.98	0	54.13	-	-	68.2	-14.07	16	112	V
			16.634083	45.2	ADR	40.7	-43	0.16	43.06	-	-	-	-	238	357	H
			16.638426	45.08	ADR	40.7	-42.95	0.16	42.99	-	-	-	-	16	112	V
			16.646426	56.8	PK-U	40.8	-43.01	0	54.59	-	-	68.2	-13.61	238	357	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

2TX Antenna 6 + Antenna 5 TX BF MODE (HIGH POWER)**LOW CHANNEL 5733MHz**

Radiated Emissions

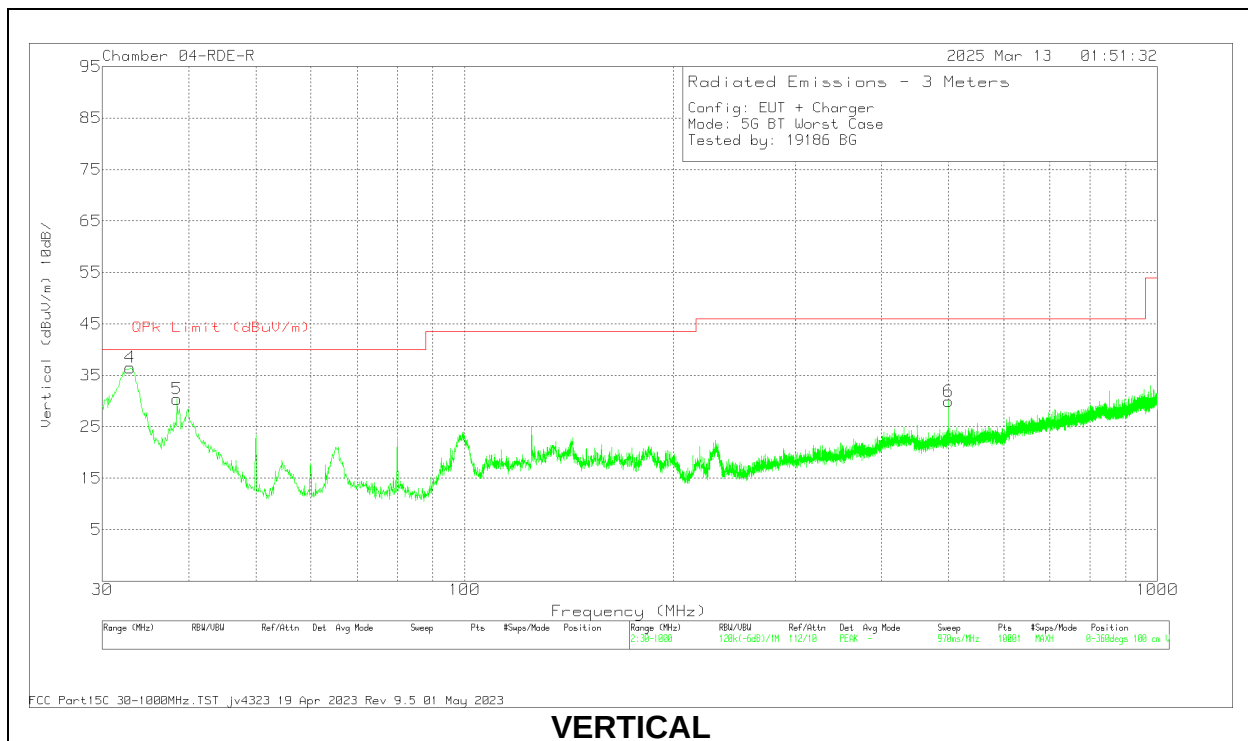
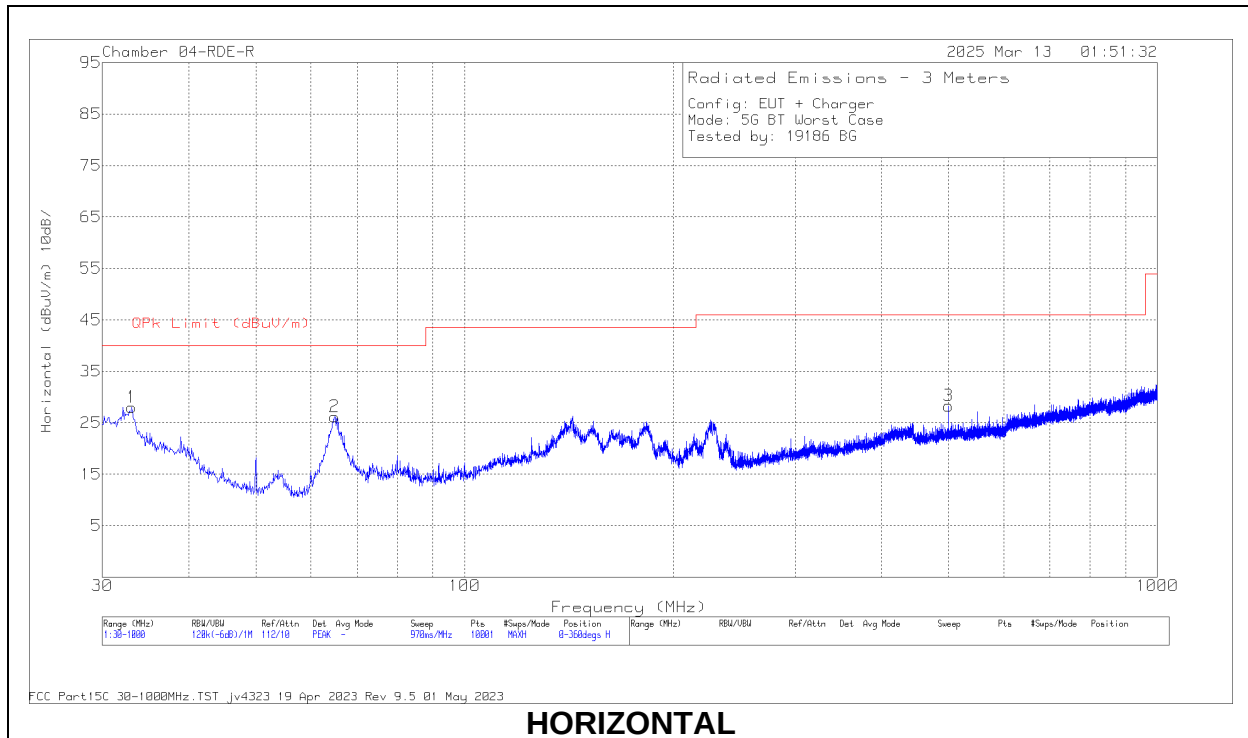
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	41112 ACF (dBm)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2598.62	46.66	PK-U	32.5	-26.24	52.92	-	-	-	-	68.2	-15.28	205	209	H
	2601.452	34.9	ADR	32.5	-26.25	41.15	-	-	-	-	-	-	205	209	H
1	2608.305	34.81	ADR	32.5	-26.08	41.23	-	-	-	-	-	-	243	147	V
	2611.319	46.41	PK-U	32.5	-26.06	52.85	-	-	-	-	68.2	-15.35	243	147	V
3	9672.2	44.99	ADR	37.2	-45.03	37.16	-	-	-	-	-	-	147	243	H
5	9681.109	56.34	PK-U	37.2	-45.02	48.52	-	-	-	-	68.2	-19.68	4	263	V
3	9688.894	56.4	PK-U	37.2	-45.15	48.45	-	-	-	-	68.2	-19.75	147	243	H
5	9698.959	44.89	ADR	37.2	-45.13	36.96	-	-	-	-	-	-	4	263	V
6	12732.815	55.1	PK-U	39	-43.51	50.59	-	-	-	-	68.2	-17.61	3	207	V
	12758.203	43.59	ADR	39	-43.86	38.73	-	-	-	-	-	-	3	207	V
4	12820.947	55.73	PK-U	39	-43.74	50.99	-	-	-	-	68.2	-17.21	136	375	H
	12829.374	44.25	ADR	39	-43.69	39.56	-	-	-	-	-	-	136	375	H

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.2. WORST CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)



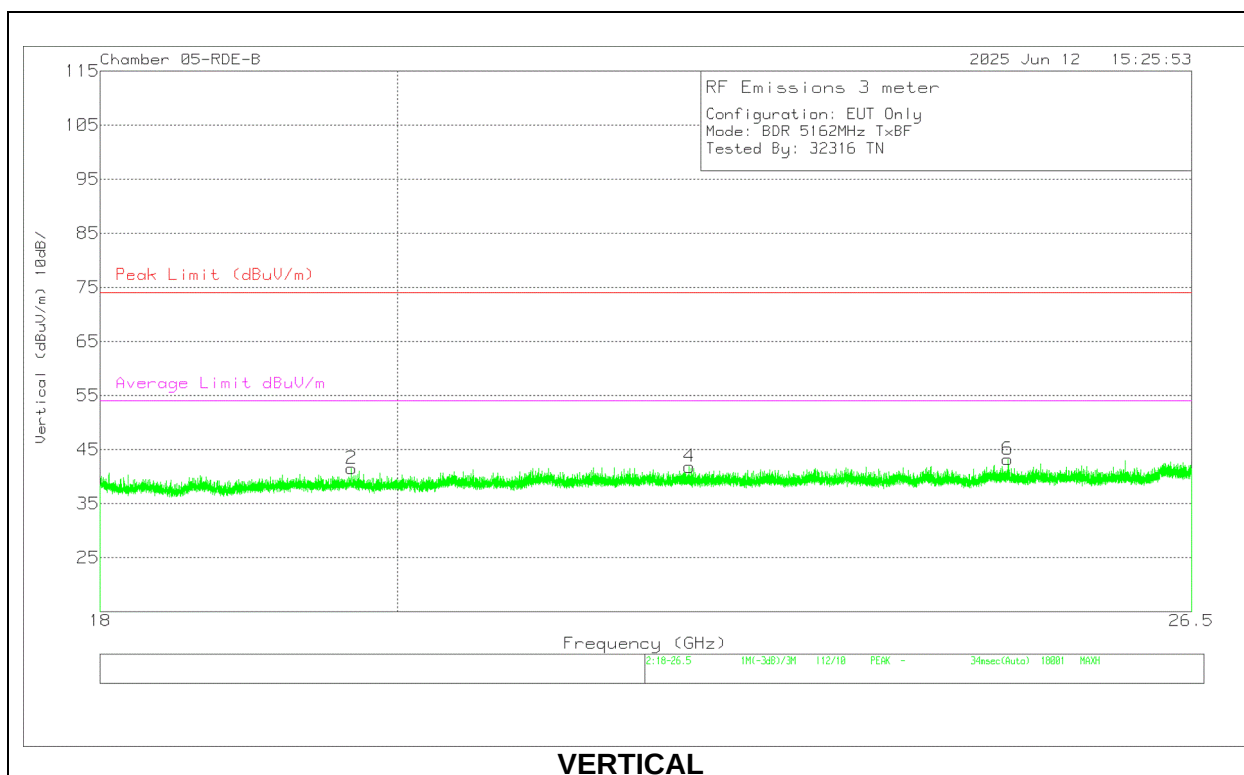
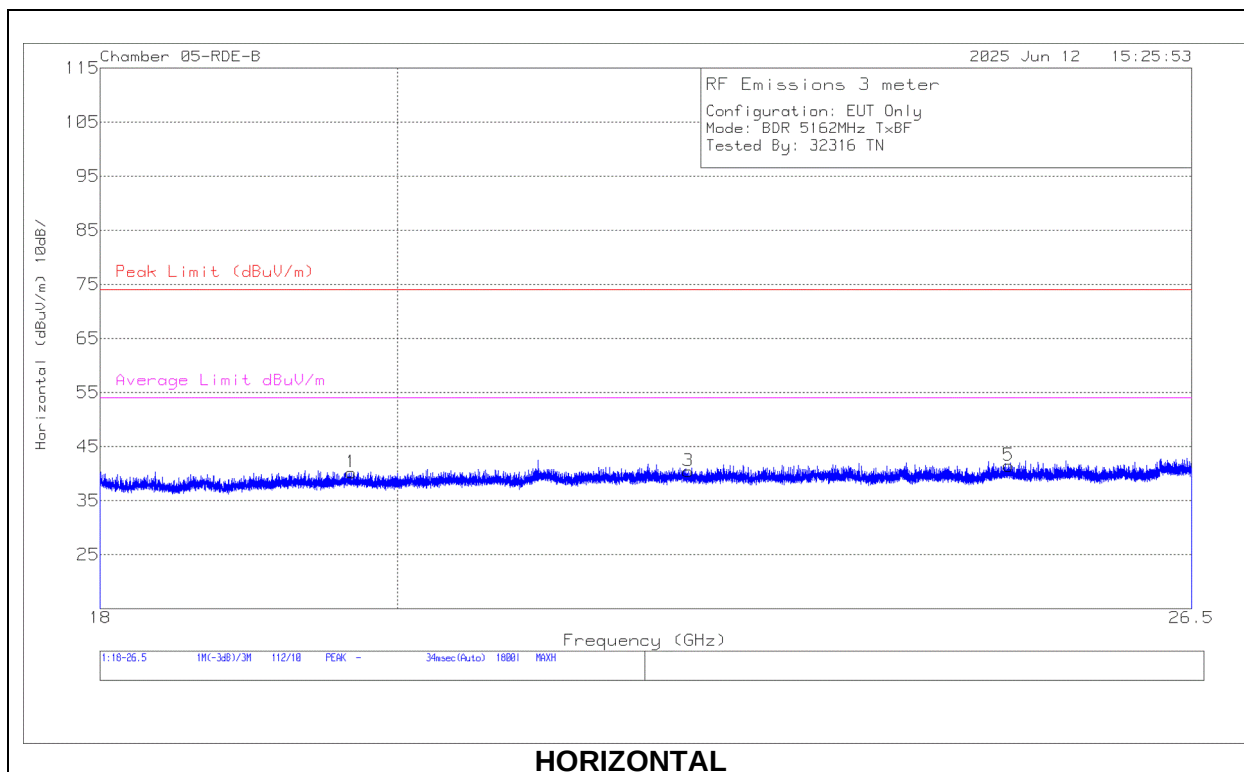
Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	202329 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
1	32.7875	31.17	Qp	24.7	-32.1	23.77	40	-16.23	80	136	H
4	33.0925	41.11	Qp	24.5	-32.1	33.51	40	-6.49	353	115	V
5	40.018	36.61	Qp	19.5	-31.9	24.21	40	-15.79	352	120	V
2	64.5905	41.89	Qp	13.6	-31.8	23.69	40	-16.31	222	371	H
3	499.985	32.65	Qp	23.5	-30	26.15	46.02	-19.87	186	293	H
6	500.003	32.68	Qp	23.5	-30	26.18	46.02	-19.84	87	108	V

Qp - Quasi-Peak detector

10.3. WORST CASE 18-26 GHz

SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)



18 – 26GHz Data

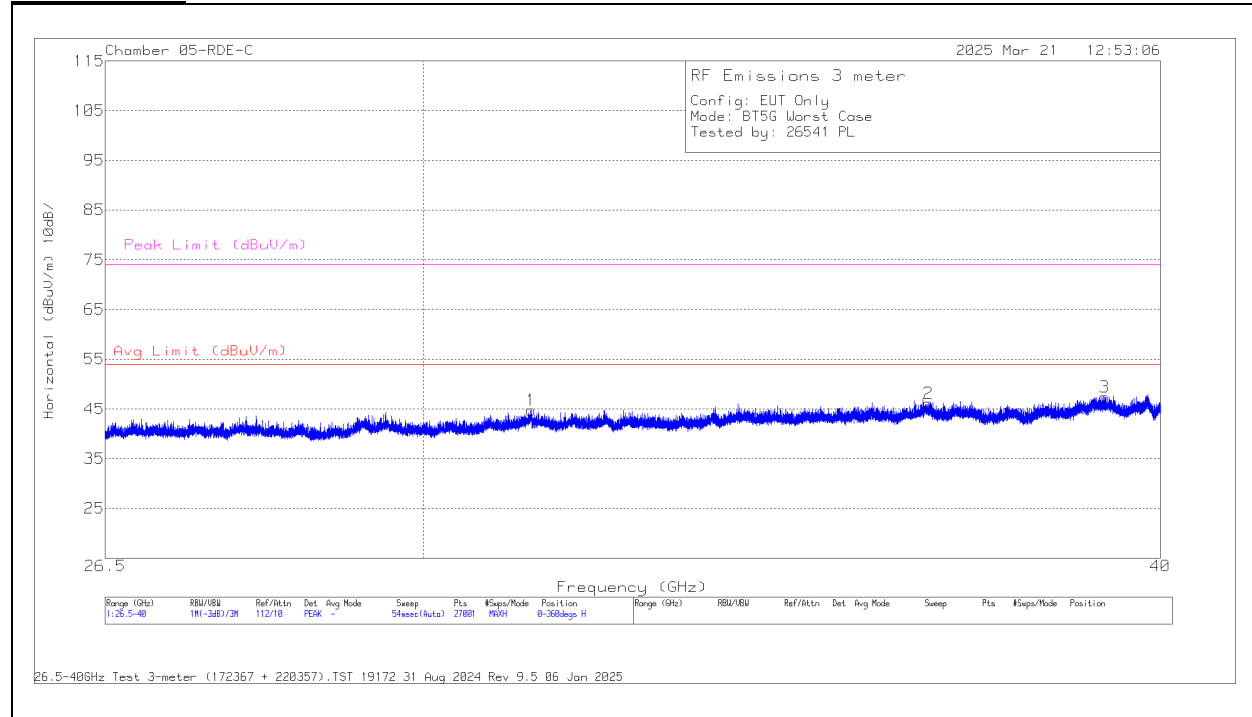
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81139 ACF (dB/m)	Amp/Cbl (dB)	Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	19.675916	55.1	Pk	33	-61.4	13.5	0	40.2	74	-33.8	-	-	0-360	101	H
2	19.676388	56.38	Pk	33	-61.4	13.5	0	41.48	74	-32.52	-	-	0-360	101	V
3	22.170665	53.85	Pk	33.6	-61.4	14.4	0	40.45	74	-33.55	-	-	0-360	200	H
4	22.179165	55.12	Pk	33.6	-61.4	14.5	0	41.82	74	-32.18	-	-	0-360	101	V
6	24.82833	55.57	Pk	34.2	-61.9	15.3	0	43.17	74	-30.83	-	-	0-360	199	V
5	24.836358	53.87	Pk	34.2	-61.9	15.3	0	41.47	74	-32.53	-	-	0-360	101	H

Pk - Peak detector

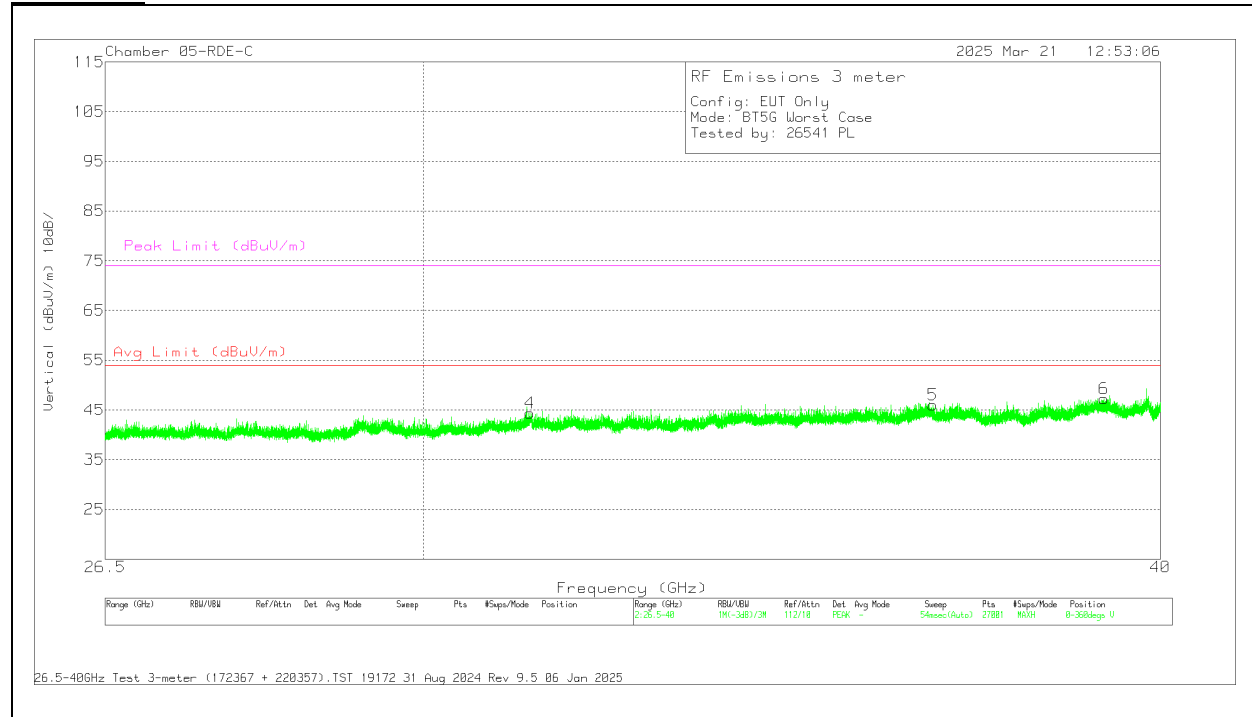
10.4. WORST CASE 26-40 GHz

SPURIOUS EMISSIONS 26-40 GHz (WORST-CASE CONFIGURATION)

HORIZONTAL



VERTICAL



26 – 40GHz Data

Range 1: Horizontal 26.5 - 40GHz															
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172367 ACF (dB/m)	CBL AMP (dB)	Cables (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 31.293	51.45	Pk	36.5	-60.5	17.3	0	44.75	-	-	74	-29.25	0-360	101	H
2	36.541	52.57	Pk	37.3	-62.9	19.2	0	46.17	-	-	74	-27.83	0-360	101	H
3	* 39.1415	51.58	Pk	38.1	-62.1	19.8	0	47.38	-	-	74	-26.62	0-360	200	H

Range 2: Vertical 26.5 - 40GHz															
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172367 ACF (dB/m)	CBL AMP (dB)	Cables (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 31.277	51.09	Pk	36.5	-60.5	17.3	0	44.39	-	-	74	-29.61	0-360	200	V
5	36.603	52.73	Pk	37.4	-63.3	19.2	0	46.03	-	-	74	-27.97	0-360	200	V
6	* 39.126	51.42	Pk	38.1	-62.1	19.8	0	47.22	-	-	74	-26.78	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector

11. AC POWERLINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

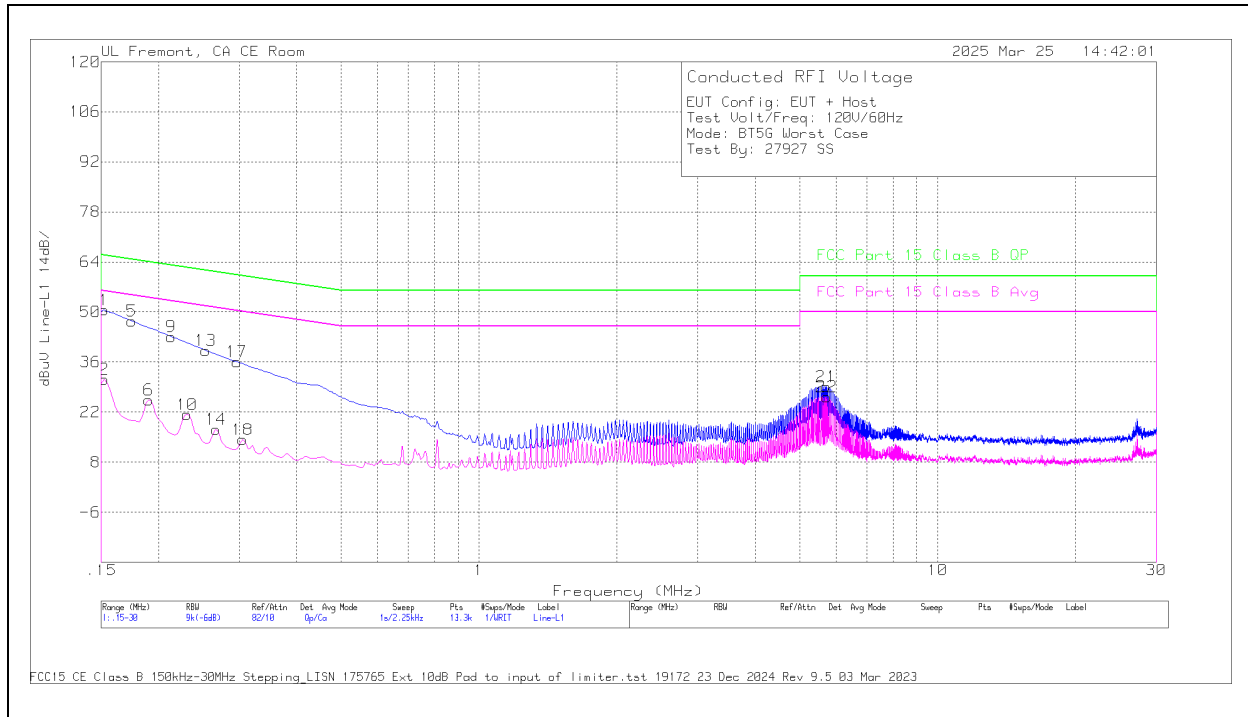
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

11.1. AC POWER LINE WITH LAPTOP

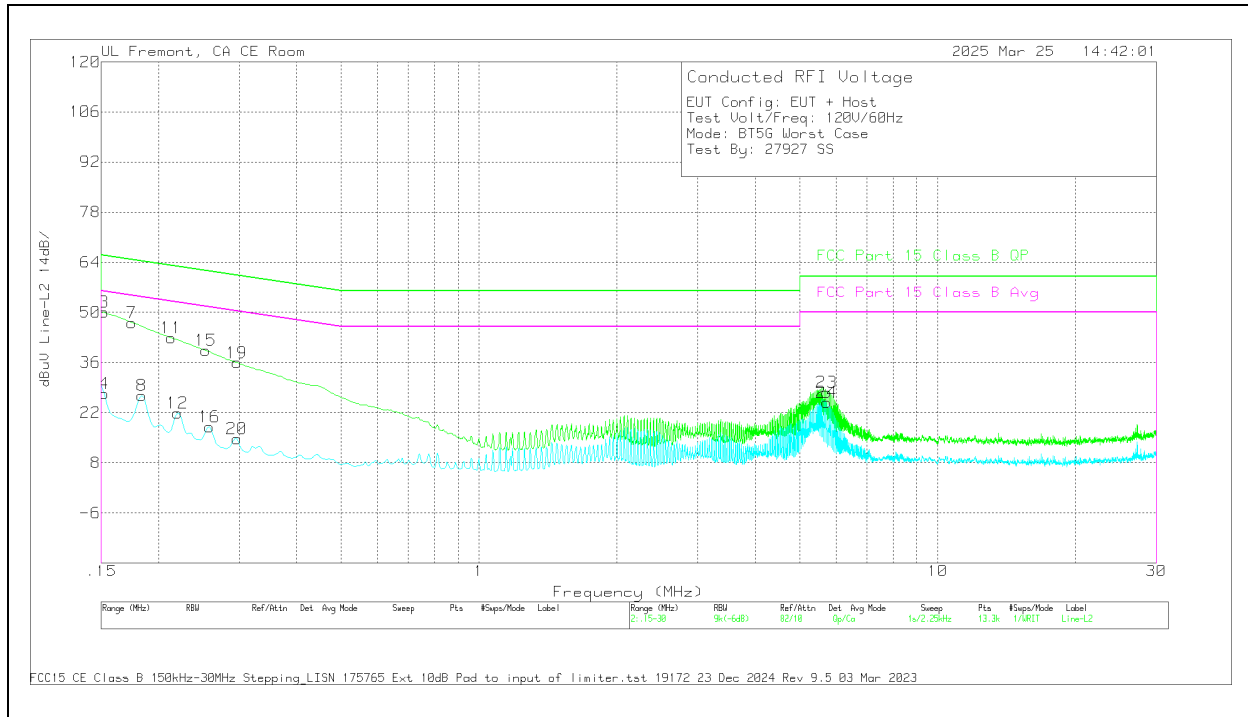
LINE 1 RESULTS



Range 1: Line-L1 15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	CBL(dB)	CBL(dB)	10dB Atten (dB)	Corrected Reading (dBuV)	FCC Part 15C QP (dBuV)	QP Margin (dB)	FCC Part 15C Avg (dBuV)	Av(CISPR) Margin (dB)
2	.1523	12.04	Ca	.1	.5	8.5	10	31.14	-	-	55.88	-24.74
6	.1905	6.74	Ca	.1	.2	8.4	10	25.44	-	-	54.01	-28.57
10	.231	2.97	Ca	0	0	8.3	10	21.27	-	-	52.41	-31.14
14	.267	-8.5	Ca	0	-1	8.1	10	17.15	-	-	51.21	-34.06
18	.3053	-3.74	Ca	0	0	8	10	14.26	-	-	50.1	-35.84
22	5.7233	7.92	Ca	0	.1	8.2	10	26.22	-	-	50	-23.78
1	.1523	31.44	Qp	.1	.5	8.5	10	50.54	65.88	-15.34	-	-
5	.1748	28.58	Qp	.1	.3	8.5	10	47.48	64.73	-17.25	-	-
9	.213	24.84	Qp	0	0	8.3	10	43.14	63.09	-19.95	-	-
13	.2535	21.14	Qp	0	-1	8.2	10	39.24	61.64	-22.4	-	-
17	.2963	18.01	Qp	0	0	8	10	36.01	60.35	-24.34	-	-
21	5.721	10.84	Qp	0	.1	8.2	10	29.14	60	-30.86	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS

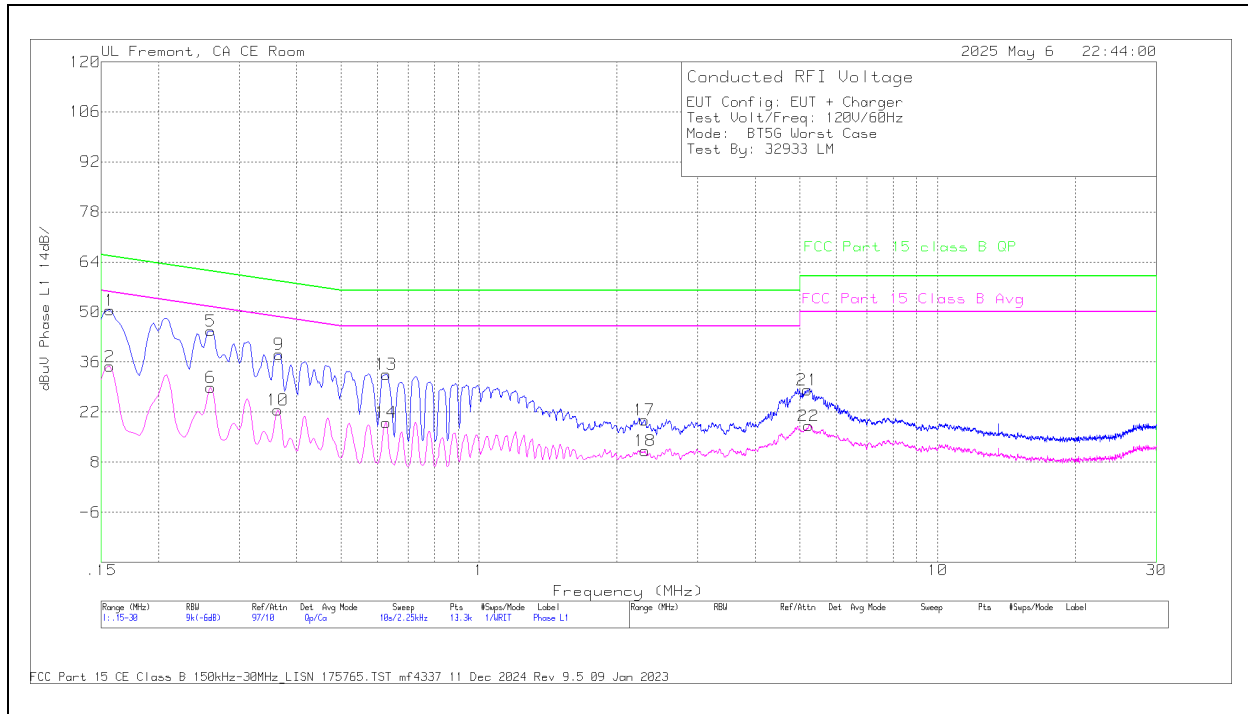
Range 2: Line-L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	CBL(dB)	CBL(dB)	10dB Atten (dB)	Corrected Reading (dBuV)	FCC Part 15C QP (dBuV)	QP Margin (dB)	FCC Part 15C Avg (dBuV)	Av(CISPR) Margin (dB)
4	.1523	8.43	Ca	.1	.3	8.5	10	27.33	-	-	55.88	-28.55
8	.1838	8.34	Ca	0	.1	8.4	10	26.84	-	-	54.31	-27.47
12	.2198	3.49	Ca	0	.1	8.3	10	21.89	-	-	52.83	-30.94
16	.258	-3.1	Ca	0	.2	8.2	10	18.09	-	-	51.5	-33.41
20	.2963	-3.35	Ca	0	0	8	10	14.65	-	-	50.35	-35.7
24	5.73	6.72	Ca	0	-.1	8.2	10	24.82	-	-	50	-25.18
3	.1523	31.2	Qp	.1	.3	8.5	10	50.1	65.88	-15.78	-	-
7	.1748	28.47	Qp	0	.2	8.5	10	47.17	64.73	-17.56	-	-
11	.213	24.53	Qp	0	.1	8.3	10	42.93	63.09	-20.16	-	-
15	.2535	21.02	Qp	0	.2	8.2	10	39.42	61.64	-22.22	-	-
19	.2963	17.98	Qp	0	0	8	10	35.98	60.35	-24.37	-	-
23	5.73	9.57	Qp	0	-.1	8.2	10	27.67	60	-32.33	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection

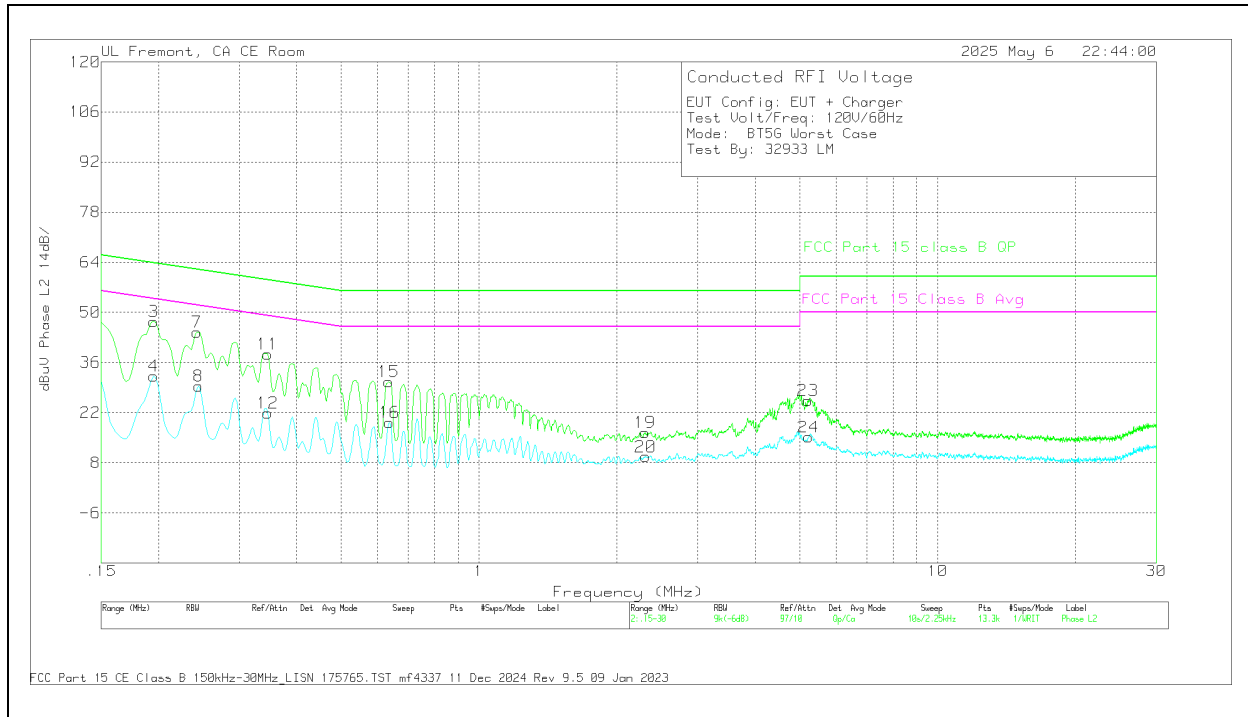
11.2. AC POWER LINE WITH AC/DC ADAPTER

LINE 1 RESULTS



Range 1: Phase L1 15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	CBL(dB)	LISN (dB)	CBL(dB)	10dB Atten (dB)	Corrected Reading (dBuV)	FCC Part 15C QP (dBuV)	QP Margin (dB)	FCC Part 15C Avg (dBuV)	Margin (dB)
2	.1568	15.75	Ca	.4	.1	8.5	10	34.75	55.63	-20.88	-	-
6	.2603	10.83	Ca	-.1	0	8.2	10	28.93	51.42	-22.49	-	-
10	.3638	4.64	Ca	-.4	0	8.4	10	22.64	48.64	-26	-	-
14	.627	.8	Ca	0	0	8.3	10	19.1	46	-26.9	-	-
18	2.301	-7.37	Ca	-.1	0	8.6	10	11.13	46	-34.87	-	-
22	5.2373	-.38	Ca	.2	0	8.3	10	18.12	50	-31.88	-	-
1	.1568	31.52	Qp	.4	.1	8.5	10	50.52	-	-	65.63	-15.11
5	.2603	26.63	Qp	-.1	0	8.2	10	44.73	-	-	61.42	-16.69
9	.366	20.2	Qp	-.4	0	8.4	10	38.2	-	-	58.59	-20.39
13	.627	14.32	Qp	0	0	8.3	10	32.62	-	-	56	-23.38
17	2.2965	1.23	Qp	-.1	0	8.6	10	19.73	-	-	56	-36.27
21	5.1945	9.94	Qp	0	0	8.2	10	28.14	-	-	60	-31.86

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS

Marker	Frequency (MHz)	Meter Reading (dBUV)	Det	CBL(dB)	LISN (dB)	CBL(dB)	10dB Atten (dB)	Corrected Reading (dBUV)	FCC Part 15C QP (dBUV)	QP Margin (dB)	FCC Part 15C Avg (dBUV)	Margin (dB)
4	.195	13.7	Ca	.1	0	8.4	10	32.2	53.82	-21.62	-	-
8	.2445	11.34	Ca	-.1	0	8.2	10	29.44	51.94	-22.5	-	-
12	.3458	3.86	Ca	-.4	0	8.4	10	21.86	49.06	-27.2	-	-
16	.6383	.69	Ca	.1	0	8.4	10	19.19	46	-26.81	-	-
20	2.31	-8.81	Ca	-.1	0	8.6	10	9.69	46	-36.31	-	-
24	5.2373	-3.36	Ca	.2	0	8.3	10	15.14	50	-34.86	-	-
3	.195	28.97	Qp	.1	0	8.4	10	47.47	-	-	63.82	-16.35
7	.2423	26.45	Qp	-.1	0	8.2	10	44.55	-	-	62.02	-17.47
11	.3458	20.38	Qp	-.4	0	8.4	10	38.38	-	-	59.06	-20.68
15	.636	12.29	Qp	0	0	8.3	10	30.59	-	-	56	-25.41
19	2.3033	-2.1	Qp	-.1	0	8.6	10	16.4	-	-	56	-39.6
23	5.2215	7.03	Qp	.1	0	8.3	10	25.43	-	-	60	-34.57

Qp - Quasi-Peak detector
Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to 15496240-EP1V1 for setup report

APPENDIX A – SPOT CHECK EVALUATION

1. SPOT CHECK EVALUATION

1.1. MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3256 and A3522.

Two models have the same PCB layout, design, common components, antennas, antenna locations and housing cases, except for FR2 is removed from variants which caused antenna gain changed as documented in section 6.5.1 of the report and disabled/enabled cellular bands via software as shown below.

Model	FCC ID	IC ID	Feature Difference	Sim Support	Reference Model
A3256	BCG-E8949A	579C-E8949A	-With FR2/LTE/5GNR B14/29/71 -No B11/21 -With UL MIMO (n41/48/77)	eSIM	-
A3522	BCG-E8957A	579C-E8957A	-Without FR2 -Added B11/21 -No UL MIMO	eSIM	A3256

The spot check plan allows for data reuse from the reference model where the variant model data meets the limits and has not changed by more than the criteria from KDB 484596 D01 v03 equation (4).

$$d_{dB} = |V_{dB} - R_{dB}| \quad (1)$$

$$d_{dB} \leq d_{dBmax} \quad (2)$$

$$d_{dBmax}(M_{dB}) = \begin{cases} (3 + M_{dB}/20) \text{ dB} & , \text{ for } 0 \leq M_{dB} \leq 60 \text{ dB} \\ 6 \text{ dB} & , \text{ for } M_{dB} > 60 \text{ dB} \end{cases} \quad (4)$$

Where d_{dB} is deviation between the variant and the reference model, V_{dB} is variant spot check level, R_{dB} is the corresponding reference measurement level, d_{dBmax} is the maximum deviation d_{dB} allowed, and M_{dB} is the margin in dB.

1.2. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3522

A3522 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item		Channel	Measured Frequency (GHz)	Original Model: A3256	Sub Model: A3522	Delta (dB)	Margin	Remarks
								FCC ID : BCG-E8949A IC : 579C-E8949A	FCC ID : BCG-E8957A IC : 579C-E8957A			
NII / NB UNII-1 & UNII-3	5150 - 5250 UNII - 1	HDR (ANT5_FCC)	HDRPL16	Avg Power (dBm)	Fundamental	Mid	5.203	14.47	14.38	-0.09	-9.53	Note 1
		BLE (ANT5_ISED)	LE2M	EIRP Power (dBm)	Fundamental	Low	5.162	10.18	10.05	-0.13	-13.82	Note 1
		BLE (ANT5)	LE2M	Radiated Bandedge (dBm)	Vertical Low Bandedge	Low	5.0088	47.82	46.38	-1.44	-6.18	Note 1
	5725 - 5825 UNII 3	BLE (ANT5)	LE1M	Avg Power (dBm)	Fundamental	Low	5.733	19.48	19.40	-0.08	-10.52	Note 1
		BDR (ANT5)	GFSK	Radiated Bandedge (dBm)	Vertical High Bandedge	High	5.9919	-35.33	-37.81	-2.48	-8.33	Note 1

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

Note 2: Deviation from reference to variant exceeds the value allowed by equation (4) in KDB 484596. Additional tests performed on second channel.