

TEST REPORT

Report Number: 16064952-E7V2

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

Model : A3447 (Parent)
A3719, A3720, A3721 (Variants)

Brand : APPLE

FCC ID : BCG-E9188A (Parent)
BCG-E9198A, BCG-E9203A, BCG-E9204A
(Variants)

EUT Description : SMART PHONE

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

Date Of Issue:
2026-08-03

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2026-07-11	Initial Review	---
V2	2026-07-18	Addressed TCB Comments on Cover Page, Sections 2, 6.5, 7, 9, 10	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	A3447 (Parent) A3719, A3720, A3721 (Variants)	
Brand	APPLE	
FCC ID	BCG-E9188A (Parent Model) BCG-E9198A, BCG-E9203A, BCG-E9204A (Variant Models)	
EUT Description	SMARTPHONE	
Serial Number	C07HQ0000H50001B5H, C07HTH000DL0001B59, C07HPF000800000ZYA, C07HTU0005K0001B56, C07HTF0003Z0001B57(Conducted) GV7WQ6744C, RVWGVQRPF4 K2DLVM4C2D, J0C02TN797, CXNYP92621, G3FCQ391K2, DYFQDX72WF (Radiated)	
Sample Receipt Date	2026-02-19	
Date Tested	2025-02-19 to 2026-07-30	
Applicable Standards	FCC 47 CFR 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 is capable of demonstrating 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 taken into account 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 duly 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:	Reviewed By:	Prepared By:
		
Thu Chan Staff Engineer UL Verification Services Inc.	Benjamin Dobbins Senior Test Engineer UL Verification Services Inc.	Helen Nguyen Laboratory 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)

Requirement Description	Requirement Clause Number (FCC)	Result
Duty Cycle	-	Reporting purposes only
26dB BW/99% OBW	-	Reporting purposes only
6 dB BW	15.407 (e)	Complies
Output Power	15.407 (a) (1 & 3)	Complies
PSD	15.407 (a) (1 & 3)	Complies
Radiated Emissions	15.209, 15.205, 15.407 (b)	Complies
AC Mains Conducted Emissions	15.207	Complies

3. TEST METHODOLOGY

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

- ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
- FCC 47 CFR Part 2
- FCC 47 CFR Part 15E
- FCC KDB 662911 D01 Multiple Transmitter Output
- FCC KDB 789033 D02 General UNII Test Procedures New Rules
- FCC KDB 484596 D01 Referencing Test Data
- FCC KDB 414788 D01 Radiated Test Site

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	1.30 (Peak), 0.45 (Ave)
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.2%
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, 5G NR2, 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 device is not user-serviceable and requires special tools to disassemble.

The EUT is considered a “Foldable Smartphone” and can be operated in two unique operating states – phone “fully closed” (State A) and phone “fully open” (State B). The test results of both operating states are reported.

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:

5.2 GHz BAND (FCC)

UNII-1 Frequency Range (MHz)	Mode	Antenna	Output Power (dBm)	Output Power (mW)
5162 - 5245	BDR	Ant 6	9.48	8.87
		Ant 5	9.46	8.83
		BF, Ant 6 + Ant 5	9.49	8.89
5162 - 5245	HDT2	Ant 6	12.24	16.75
		Ant 5	12.24	16.75
		BF, Ant 6 + Ant 5	12.23	16.71
5162 - 5245	LE1M	Ant 6	9.98	9.95
		Ant 5	9.97	9.93
		BF, Ant 6 + Ant 5	9.98	9.95
5162 - 5245	LE2M	Ant 6	10.49	11.19
		Ant 5	10.49	11.19
		BF, Ant 6 + Ant 5	10.50	11.22
5162 - 5245	XHDRPS2	Ant 6	11.99	15.81
		Ant 5	11.99	15.81
		BF, Ant 6 + Ant 5	11.99	15.81
5162 - 5245	HDRPM8	Ant 6	14.49	28.12
		Ant 5	14.21	26.36
5162 - 5245	HDRPM12	BF, Ant 6 + Ant 5	14.75	29.85
5164 - 5242	HDRPL8	Ant 6	14.49	28.12
		Ant 5	14.24	26.55
		BF, Ant 6 + Ant 5	17.37	54.58

5.8 GHz BAND (FCC)

UNII-3 Frequency Range (MHz)	Worst-Case Mode	Antenna	Output Power (dBm)	Output Power (mW)
5733 - 5844	BDR	Ant 6	19.73	93.97
		Ant 5	19.49	88.92
		BF, Ant 6 + Ant 5	22.62	182.81
5733 - 5844	HDT2	Ant 6	14.74	29.79
		Ant 5	14.47	27.99
		BF, Ant 6 + Ant 5	17.60	57.54
5733 - 5844	LE1M	Ant 6	19.74	94.19
		Ant 5	19.48	88.72
		BF, Ant 6 + Ant 5	22.58	181.13
5733 - 5844	LE2M	Ant 6	19.72	93.76
		Ant 5	19.48	88.72
		BF, Ant 6 + Ant 5	22.61	182.39
5733 - 5844	XHDRPS2	Ant 6	14.74	29.79
		Ant 5	14.48	28.05
		BF, Ant 6 + Ant 5	17.61	57.68
5733 - 5844	HDRPM8	Ant 6	14.74	29.79
		Ant 5	14.46	27.93
		BF, Ant 6 + Ant 5	17.61	57.68
5733 - 5844	HDRPL8	Ant 6	14.73	29.72
		Ant 5	14.49	28.12
		BF, Ant 6 + Ant 5	17.61	57.68

6.3. DESCRIPTION OF AVAILABLE ANTENNAS AND CABLE LOSS

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

STATE A

Frequency Range (MHz)	Antenna 6 (dBi)	Antenna 5 (dBi)	Uncorrelated Chains (dBi)	Correlated Chains (dBi)
5150 - 5250 UNII - 1	-1.60	-0.80	-1.20	1.80
5725 - 5825 UNII 3	-0.70	1.40	-0.50	2.10

STATE B

Frequency Range (MHz)	Antenna 6 (dBi)	Antenna 5 (dBi)	Uncorrelated Chains (dBi)	Correlated Chains (dBi)
5150 - 5250 UNII - 1	-1.00	-0.20	-0.60	2.40
5725 - 5825 UNII 3	-0.40	1.90	-0.30	2.30

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

Frequency Range (MHz)	Cable Loss	
	Antenna 6 (dBi)	Antenna 5 (dBi)
5150 - 5250 UNII - 1	-1.94	-2.68
5725 - 5825 UNII 3	-2.06	-2.88

The cables were used for RF antenna port tests that had been offset to the test equipment during testing.

6.4. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was FT: 24A343

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. The following table exhibits the worst-case orientation. The full tests of the EUT have been made upon the orientations shown in the table below

STATE A

Band	ANT6	ANT5	ANT6+5
5GHz	Y	Y	Y

STATE B

Band	ANT6	ANT5	ANT6+5
5GHz	Z	Z	Z

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

2TX Beamforming modes were used to perform on radiated harmonic spurious final test to cover all SISO modes. Max power was tuned to maximum based among all the modes. For testing purposes, radiated harmonics spurious below 1GHz, 1-18GHz L/M/H channels, 18-40GHz, and power line conducted emissions were performed with the EUT set at the 2TX Beamforming mode with power setting equal or higher than conducted 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, the worst-case configuration reported was tested with EUT only. For AC line conducted emission, test was investigated with AC power adapter and with laptop. There were no emissions found below 30MHz within 20dB of the limit.

All simultaneous transmission combinations have been investigated, and no signal emissions were observed.

Plots included in the report are representative of the method and settings parameters used for the test.

If Keysight PXA support both AC and DC then there will be a warning condition message appearing on the status line "DC coupled".

The output power between State A and State B is identical; therefore, only a single conducted test result is presented. Where applicable, the higher antenna gain of the two States has been used to assess compliance. For radiated tests, full testing was performed on both State A and State B due to differences in antenna gain between the two states. For AC line conducted emissions only the worst-case test results are included in this report.

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

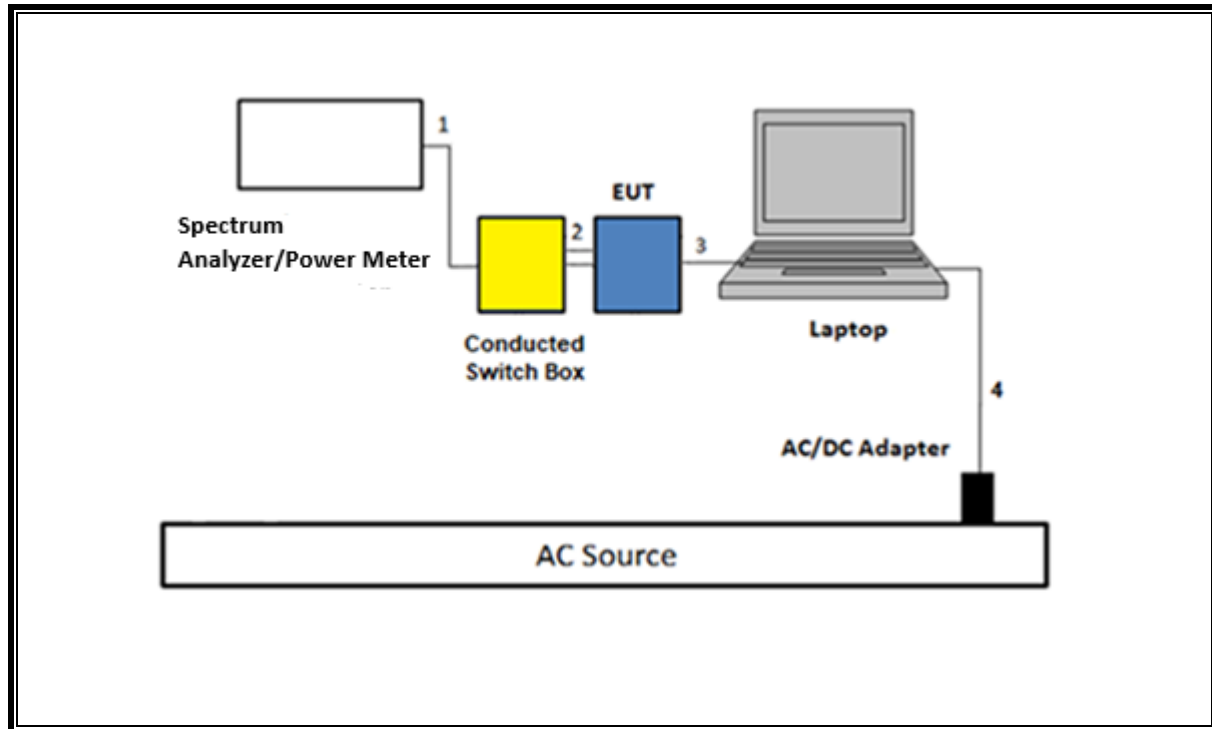
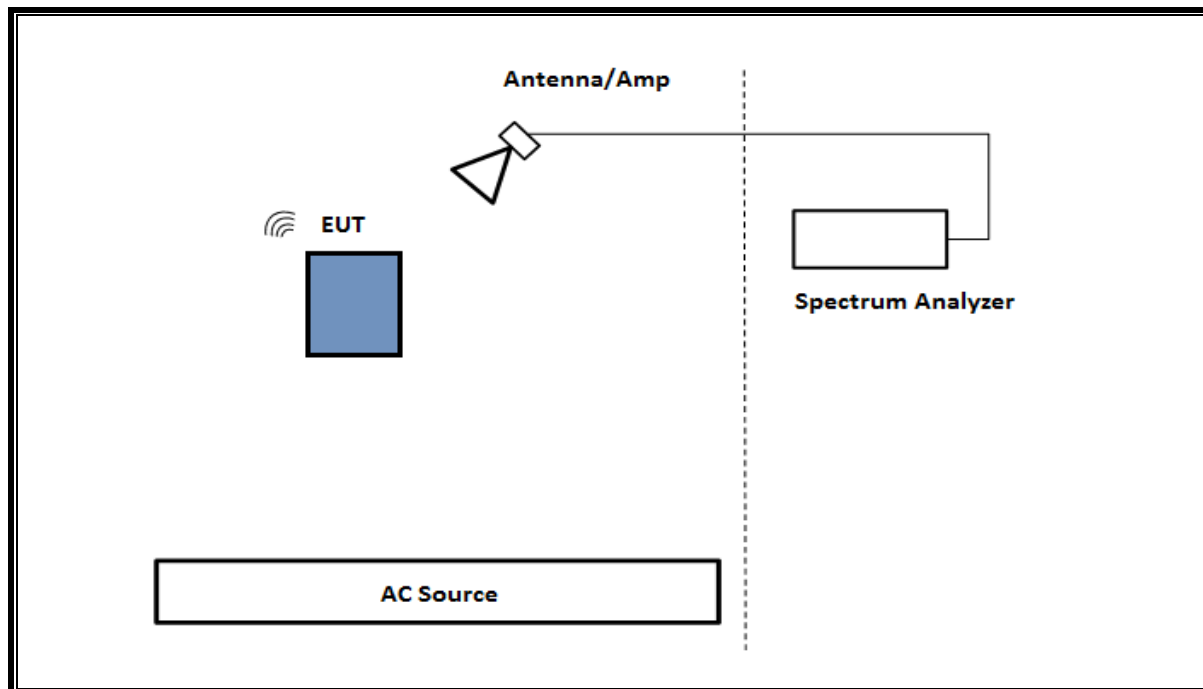
5G		UNII-1			UNII-3		
Mode	Modulation	Frequency Range (MHz)	Worst Case Tone		Frequency Range (MHz)	Worst Case Tone	
			Power	PSD		Power	PSD
BT5G	BDR	5162-5245	X	X	5733-5844	X	X
LE	LE Adv	5162-5245			5733-5844		
	LE1M		X	X		X	X
	LELR125k						
	LELR500k						
	LE2M	5162-5245	X	X	5733-5844	X	X
	HDT2	5162-5245	X	X	5733-5844	X	X
	HDT3						
	HDT4						
	HDT6						
HDT8							
HDR	HDR4	5162-5245			5733-5844		
	HDRPS2						
	XHDRPS2		X	X		X	X
	HDR8	5162-5245			5733-5844		
	HDRPM4						
	HDRPM6						
	HDRPM8		X (SISO)			X	X
	XHDR8						
	XHDRPM6						
	XHDRPM8						
	HDRPM12		X (MIMO)				
	HDRPM16						
	XHDRPM12						
	XHDRPM16						
	HDRPL8	5164-5242	X	X	5733-5844	X	X
	HDRPL12						
	HDRPL16						
	XHDRPL8						
	XHDRPL12						
	XHDRPL16						
	HDRPL24						
	HDRPL32						
	XHDRPL24						
	XHDRPL32						

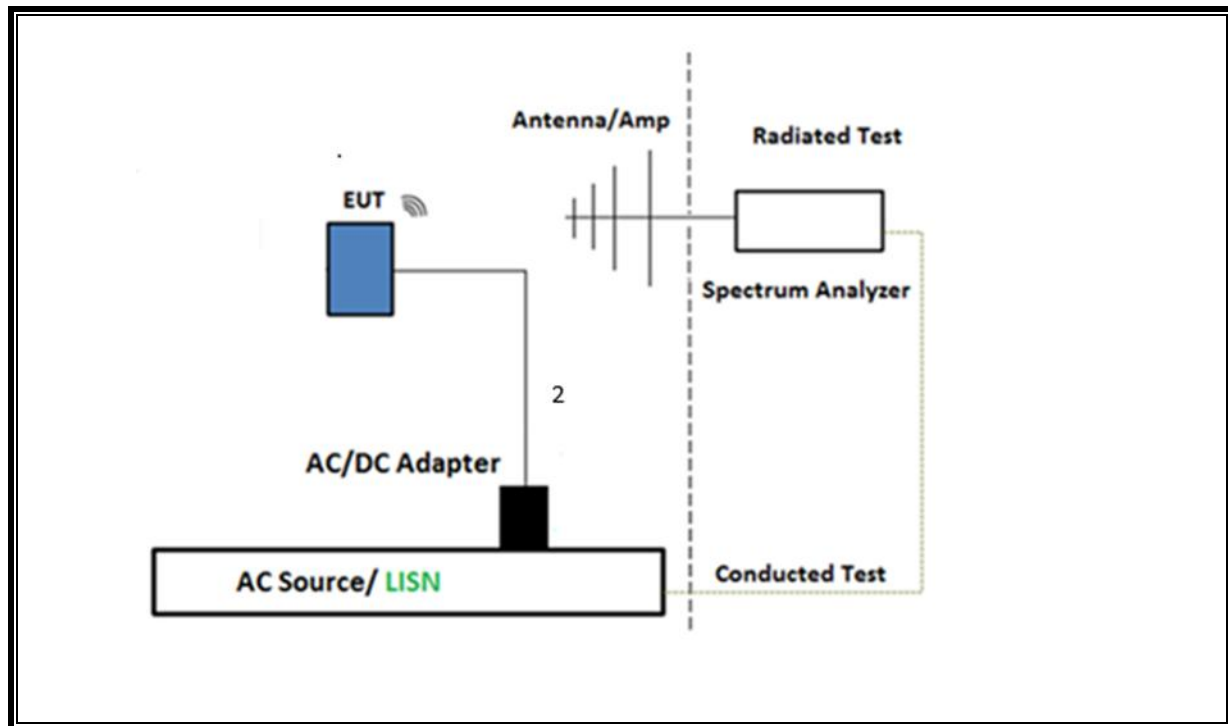
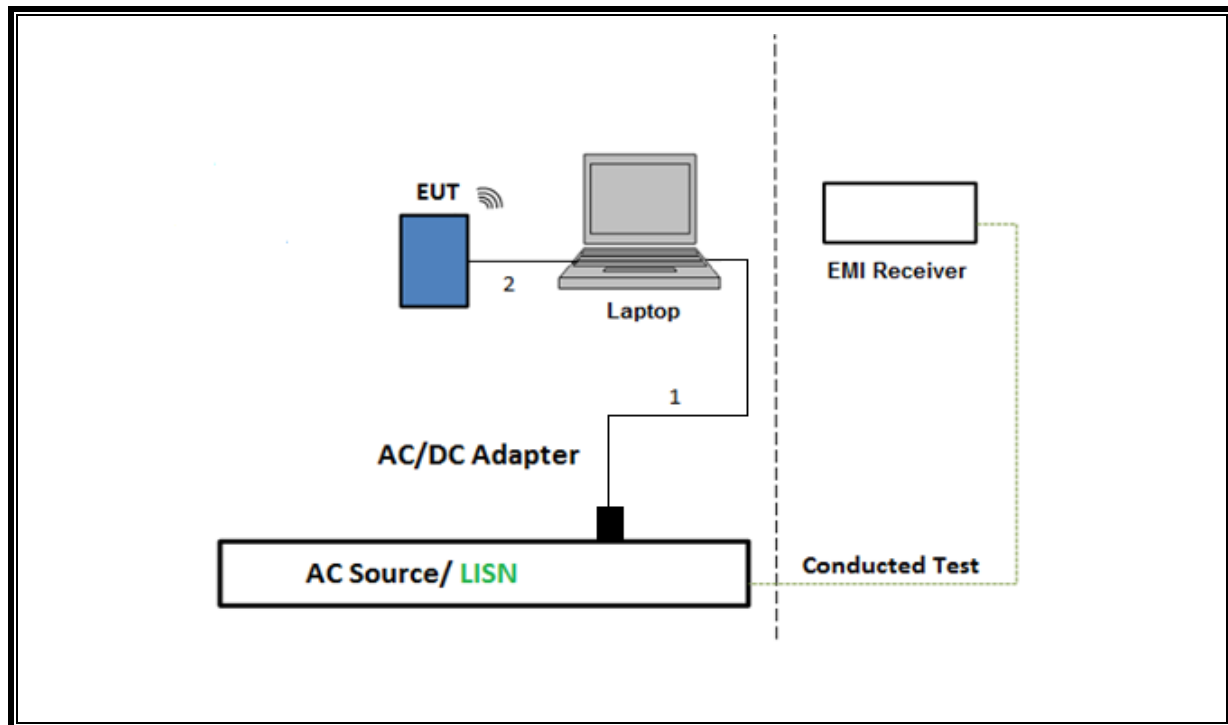
6.6. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number		FCC ID/ DoC
Laptop		Apple	Macbook	G2YKJ9LWH5		N/A
Laptop AC/DC adapter		Apple	N/A	C4H238409C0PM0WAZ		DoC
EUT AC/DC adapter		Apple	N/A	C4H2384095PPM0WAX		DoC
Conducted Switch Box		UL	N/A	245781		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 were utilized for the tests documented in this report:

Description	Manufacturer	Model	ID Num	Cal Due
Antenna, Horn 1-18GHz	ETS Lindgren	3117	200784	2027-03-31
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	279299	2027-05-31
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	275999	2027-03-31
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	41112	2026-10-31
Filter Box	UL-FR1	RATS 3.0, 3 Amp, 7 Port	243707	2027-04-28
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169927	2027-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	79834	2026-07-31
Filter Box	UL-FR1	R103, 2 Amp, 12 Port	278885	2027-06-30
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	201502	2027-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	206805	2027-08-31
Filter Box	UL-FR1	RATS 2.0, 1 Amp, 17 Port	226781	2027-05-31
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	223459	2027-02-28
Antenna, Broadband Hybrid, 30MHz to 3GHz	Sunol Sciences Corp.	JB3	204045	2027-05-31
Amplifier 9 KHz - 1 GHz	SONOMA INSTRUMENT	310N	224489	*2026-05-31
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	223460	2027-02-28
Antenna, Horn 18 to 26.5GHz	A.R.A.	MWH-1826/B	199658	2027-04-30
RF Device, Active, Amplifier	AMPLICAL	AMP18G26.5-60	224139	2027-03-30
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	201499	2027-03-31
Antenna, Horn 26.5 to 40GHz	A.R.A.	MWH-2640/B	199660	2027-04-30
RF Device, Active, Amplifier	AMPLICAL	AMP26G40-60	224141	2027-03-30
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	201497	2027-08-28
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO-METRICS	EM-6871	219908	2026-08-31
Antenna, Passive Loop 100kHz to 30MHz	ELECTRO-METRICS	EM-6872	219910	2026-08-31
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	80397	2027/01/31
Spectrum Analyzer, PXA, 2Hz to 44GHz	Keysight Technologies Inc	N9030B	231912	2027/01/31
Power Meter, P-series single channel	Keysight Technologies Inc	N1911A	82174	2027/01/31
Power Sensor, P - series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1921A	257702	2027/01/30
RF Device, Switch (Conducted Switch Box)	UL	CSB	245781	2026/12/31
AC Line Conducted				
Description	Manufacturer	Model	ID Num	Cal Due
EMI TEST RECEIVER 9kHz - 3.6GHz	Rohde & Schwarz	ESR3	171646	2027-03-31
Transient Limiter	TE	TBFL1	207996	2026-12-30
LISN	Fischer Custom Communications, Inc	FCC-LISN-50/250-25-2-01-480V	175765	2027-01-31
UL AUTOMATION SOFTWARE				
Conducted Software	UL	Station Tool	Ver 2.0, 2.1, 3.0, and 6.0	
Radiated Software	UL	UL EMC	Ver 9.5, 15 Dec 2025	
AC Line Conducted Software	UL	UL EMC	Ver 9.5, 25 Aug 25	

*Testing was completed before equipment calibration date.

8. ANTENNA PORT TEST RESULTS

8.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

PROCEDURE

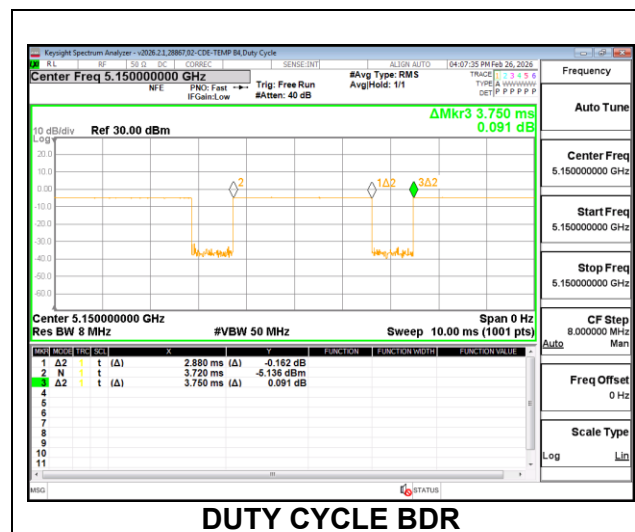
ANSI C63.10, Subclause 12.2.

ON TIME AND DUTY CYCLE RESULTS

Worst-Case 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	76.80	1.15	0.347
LE1M	2.12	2.50	0.848	84.80	0.72	0.472
LE2M	1.06	1.88	0.564	56.38	2.49	0.943
HDT2	2.14	2.22	0.964	96.40	0.16	0.467
XHDRPS2	48.45	48.75	0.994	99.38	0.00	0.010
HDRPM8	8.16	8.76	0.932	93.15	0.31	0.123
HDRPM12	2.17	2.50	0.868	86.80	0.61	0.461
HDRPL8	3.56	3.75	0.949	94.93	0.23	0.281

Note: There are the same DCCF on 1TX and 2TX.

DUTY CYCLE PLOTS



8.2. 26 dB AND 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

ANSI C63.10 Subclause - 6.9.3

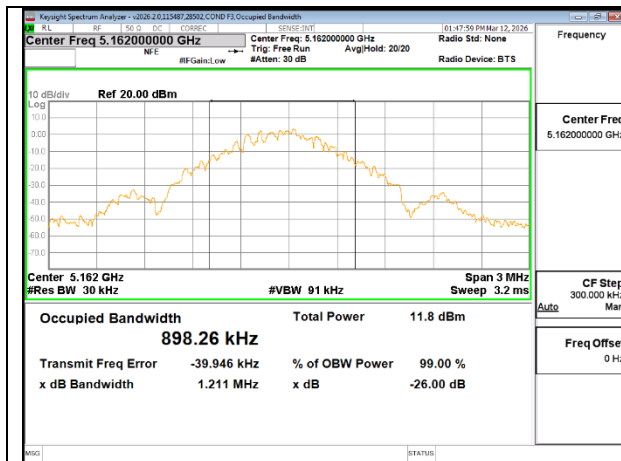
ANSI C63.10 Subclause -12.5.2

RESULTS

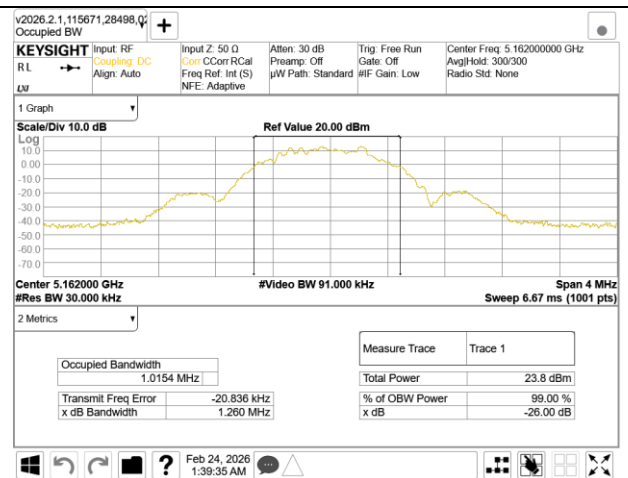
Only High Power modes result is reported, it covers all Low Power modes.

8.2.1. UNII-1 HIGH POWER SISO MODE

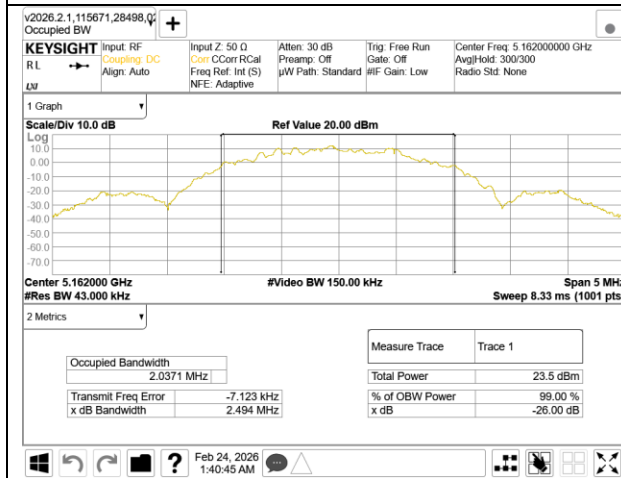
Worst-Case Mode (SISO)	Frequency (MHz)	Channel Number	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
			Ant 6	Ant 5	Ant 6	Ant 5
BDR	5162	Low	1.211	1.211	0.89826	0.92418
	5203	Mid	1.219	1.211	0.93184	0.92007
	5245	High	1.207	1.261	0.95095	0.94917
LE1M	5162	Low	1.26	1.262	1.0154	1.0200
	5203	Mid	1.261	1.261	1.0154	1.0156
	5245	High	1.26	1.261	1.0181	1.0142
LE2M	5162	Low	2.494	2.506	2.0371	2.0275
	5203	Mid	2.497	2.513	2.0352	2.0512
	5245	High	2.497	2.492	2.0371	2.0320
HDT2	5162	Low	2.758	2.763	2.3731	2.3641
	5203	Mid	2.779	2.762	2.3778	2.3701
	5245	High	2.759	2.755	2.3698	2.3664
XHDRPS2	5162	Low	2.802	2.789	2.3961	2.3887
	5203	Mid	2.79	2.68	2.3835	2.3766
	5245	High	2.781	2.779	2.3961	2.3891
HDRPM8	5162	Low	5.308	5.329	4.7241	4.7414
	5203	Mid	5.553	5.555	4.7390	4.7468
	5245	High	5.438	5.269	4.7337	4.7369
HDRPL8	5164	Low	11.17	11.02	9.4366	9.4025
	5203	Mid	11.09	10.9	9.4746	9.4371
	5242	High	10.81	11.12	9.4553	9.4534

REFERENCE OBW PLOTS

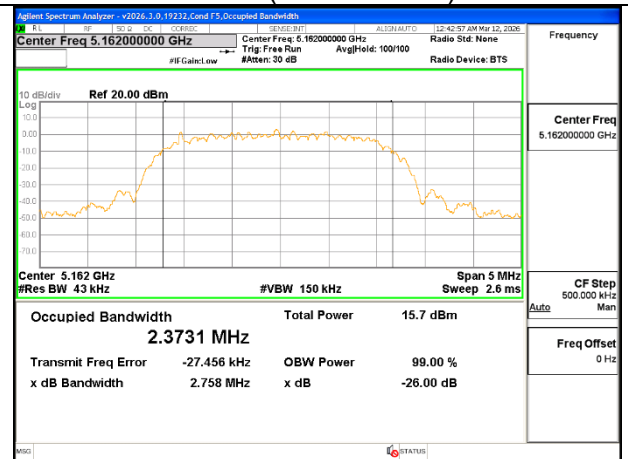
5162 Channel (UNII-1 BDR) – Ant 6



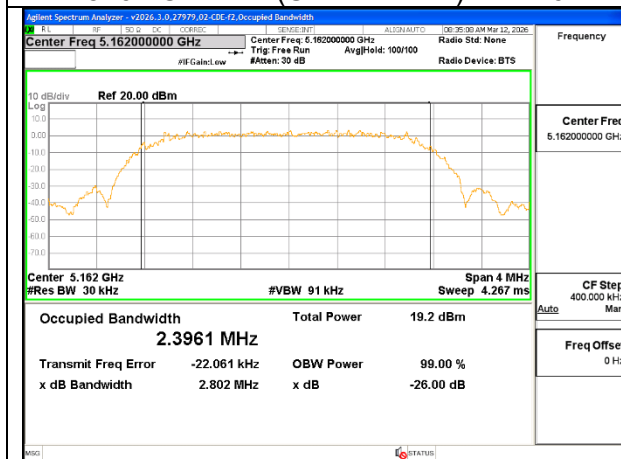
5162 Channel (UNII-1 LE1M) – Ant 6



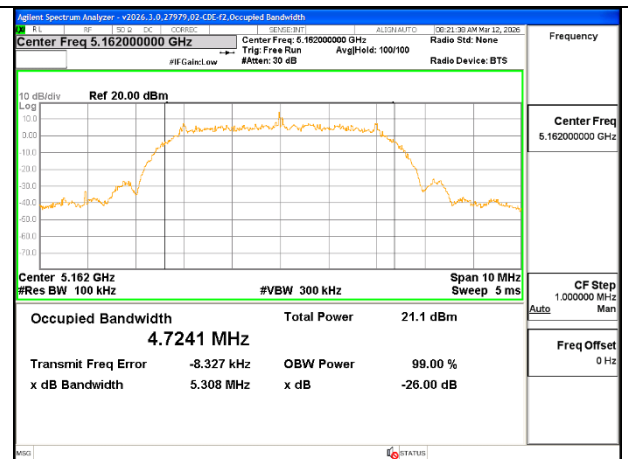
5162 Channel (UNII-1 LE2M) – Ant 6



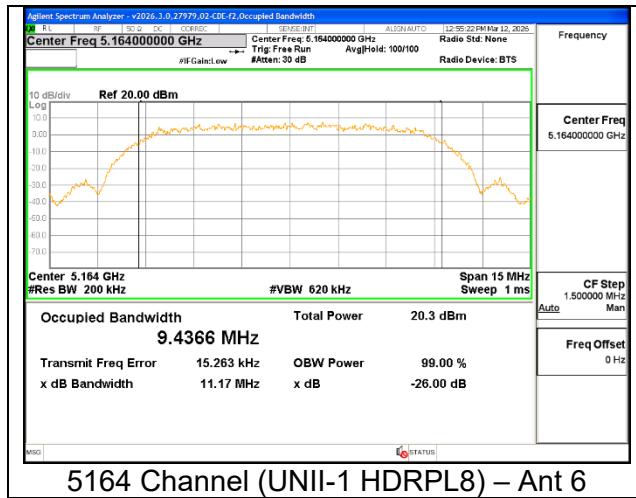
5162 Channel (UNII-1 HDT2) – Ant 6



5162 Channel (UNII-1 XHDRPS2) – Ant 6

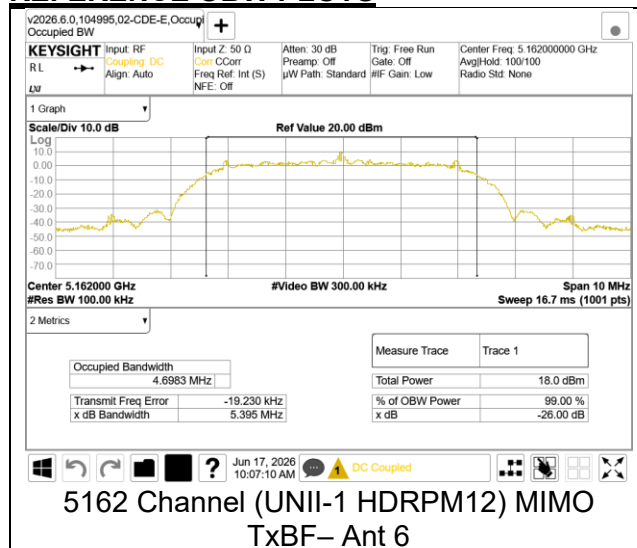


5162 Channel (UNII-1 HDRPM8) – Ant 6



8.2.2. UNII-1 HIGH POWER TXBF MODE

Worst-Case Mode (MIMO)	Frequency (MHz)	Channel Number	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
			Ant 6	Ant 5	Ant 6	Ant 5
BDR	5162	Low	1.243	1.208	0.97492	0.92427
	5203	Mid	1.21	1.244	0.95588	0.93951
	5245	High	1.167	1.19	0.90957	0.92243
LE1M	5162	Low	1.26	1.26	1.0176	1.0161
	5203	Mid	1.261	1.264	1.0169	1.0204
	5245	High	1.261	1.258	1.0164	1.0184
LE2M	5162	Low	2.496	2.495	2.0342	2.0393
	5203	Mid	2.497	2.499	2.0381	2.0428
	5245	High	2.496	2.513	2.0369	2.0507
HDT2	5162	Low	2.761	2.763	2.3656	2.356
	5203	Mid	2.753	2.756	2.3636	2.3716
	5245	High	2.761	2.761	2.3728	2.3654
XHDRPS2	5162	Low	2.792	2.781	2.3801	2.3771
	5203	Mid	2.791	2.775	2.4003	2.3916
	5245	High	2.785	2.671	2.3807	2.3811
HDRPM12	5162	Low	5.395	5.394	4.6983	4.7065
	5203	Mid	5.351	5.373	4.6965	4.7079
	5245	High	5.368	5.381	4.7137	4.7106
HDRPL8	5164	Low	11.16	11.01	9.4616	9.4143
	5203	Mid	11.16	11.13	9.464	9.4345
	5242	High	11.15	11.06	9.4004	9.4061

REFERENCE OBW PLOTS

8.2.3. 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	1.235	1.199	0.93658	0.93900
	5788	Mid	1.256	1.260	0.95358	0.94065
	5844	High	1.185	1.243	0.93195	0.94643
LE1M	5733	Low	1.260	1.260	1.01660	1.01840
	5788	Mid	1.262	1.262	1.01660	1.01510
	5844	High	1.260	1.254	1.01490	1.01810
LE2M	5733	Low	2.497	2.494	2.0363	2.0385
	5788	Mid	2.499	2.507	2.0375	2.0391
	5844	High	2.496	2.501	2.0377	2.0248
HDT2	5733	Low	2.756	2.761	2.3633	2.3591
	5788	Mid	2.755	2.752	2.3631	2.3613
	5844	High	2.761	2.768	2.3683	2.3656
XHDRPS2	5733	Low	2.775	2.758	2.3571	2.3971
	5788	Mid	2.768	2.660	2.3717	2.3822
	5844	High	2.764	2.759	2.3851	2.3714
HDRPM8	5733	Low	5.456	5.555	4.7132	4.7278
	5788	Mid	5.595	5.550	4.7379	4.7347
	5844	High	5.532	5.485	4.7159	4.7069
HDRPL8	5733	Low	11.09	11.08	9.4428	9.4053
	5788	Mid	10.78	11.13	9.3442	9.4606
	5844	High	11.13	11.07	9.4356	9.4959

8.2.4. 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	1.185	1.212	0.92910	0.94318
	5788	Mid	1.213	1.220	0.95613	0.95073
	5844	High	1.229	1.245	0.94974	0.93266
LE1M	5733	Low	1.261	1.257	1.01810	1.01720
	5788	Mid	1.260	1.260	1.01690	1.02190
	5844	High	1.260	1.259	1.01690	1.01090
LE2M	5733	Low	2.496	2.495	2.0375	2.0373
	5788	Mid	2.499	2.490	2.0389	2.0349
	5844	High	2.499	2.494	2.0395	2.0337
HDT2	5733	Low	2.762	2.758	2.3651	2.3648
	5788	Mid	2.762	2.758	2.3617	2.3689
	5844	High	2.763	2.754	2.3635	2.3592
XHDRPS2	5733	Low	2.773	2.664	2.3904	2.3748
	5788	Mid	2.731	2.762	2.3907	2.3737
	5844	High	2.690	2.745	2.3810	2.3699
HDRPM8	5733	Low	5.503	5.564	4.7223	4.7370
	5788	Mid	5.552	5.547	4.7622	4.7479
	5844	High	5.324	5.535	4.7019	4.7360
HDRPL8	5733	Low	11.03	11.07	9.3740	9.3743
	5788	Mid	10.80	11.00	9.4620	9.4110
	5844	High	11.09	10.95	9.3949	9.3727

8.3. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

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

TEST PROCEDURE

ANSI C63.10 Subclause -12.5.1

RESULTS

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

Only High Power at BDR mode result is reported, it covers all Low Power modes.

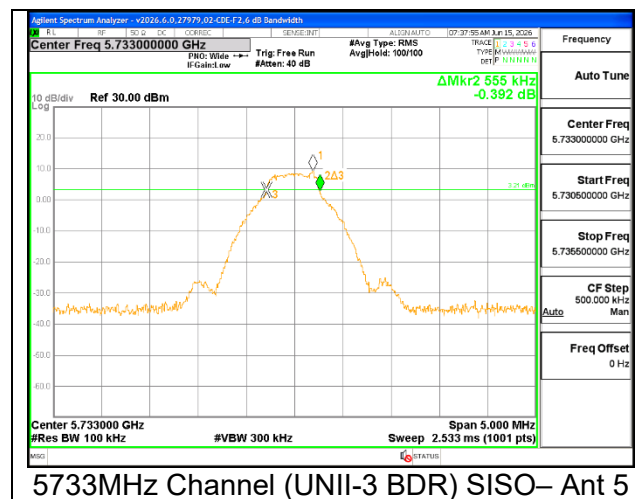
8.3.1. HIGH OUTPUT SISO MODE IN THE UNII-3 BAND

UNII-3 (SISO)	Frequency (MHz)	Channel Number	6 dB BW (MHz)	
			Ant 6	Ant 5
BDR	5733	Low	0.570	0.555
	5788	Mid	0.565	0.570
	5844	High	0.565	0.565

8.3.2. HIGH OUTPUT 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	0.565	0.570
	5788	Mid	0.570	0.570
	5844	High	0.570	0.565

WORST MINIMUM PLOTS



8.4. 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 colocated transmitters transmitting the same information.

TEST PROCEDURE

Conducted Output Power: ANSI C63.10 Subclause -12.4.3.2 (Method PM-G)

Power Spectral Density: ANSI C63.10 Subclause -12.6 (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:

STATE A

Frequency Range (MHz)	Antenna 6 (dBi)	Antenna 5 (dBi)	Uncorrelated Chains (dBi)	Correlated Chains (dBi)
5150 - 5250 UNII - 1	-1.60	-0.80	-1.20	1.80
5725 - 5825 UNII 3	-0.70	1.40	-0.50	2.10

STATE B

Frequency Range (MHz)	Antenna 6 (dBi)	Antenna 5 (dBi)	Uncorrelated Chains (dBi)	Correlated Chains (dBi)
5150 - 5250 UNII - 1	-1.00	-0.20	-0.60	2.40
5725 - 5825 UNII 3	-0.40	1.90	-0.30	2.30

Output Power Calculation:**1Tx**

Total corr'd power = Ant 6

Sample Calculation at UNII-1 Band:

ANT 6 Power = 9.47 dBm (Gated Power)

Total corr'd power = 9.47 dBm

2Tx

Total corr'd power = $10 \cdot \text{LOG}(10^{(\text{Ant 6}/10)} + 10^{(\text{Ant 5}/10)})$

Sample Calculation at UNII-1 Band:

Ant 6 Power = 6.44 dBm, Ant 5 Power = 6.45

Total corr'd power = $10 \cdot \text{LOG}(10^{(6.44/10)} + 10^{(6.45/10)}) = 9.46 \text{ dBm}$

PSD Calculation:**1Tx**

Total corr'd PSD = DCCF + Ant 6

Sample Calculation at UNII-1 Band:

Ant 6 PSD = 7.999 dBm/MHz

Total corr'd PSD = $1.15 + 7.999 = 9.149 \text{ dBm/MHz}$

2Tx

Total corr'd PSD = $(10 \cdot \text{LOG}(10^{((\text{DCCF} + \text{Ant 6})/10)} + 10^{((\text{DCCF} + \text{Ant 5})/10)}))$

Sample Calculation at UNII-1 Band:

Ant6 PSD = 4.725 dBm/MHz, Ant5 PSD = 5.121 dBm/MHz

Total corr'd PSD = $(10 \cdot \text{LOG}(10^{((1.15 + (4.725))/10)} + 10^{((1.15 + (5.121))/10)}))$
= 9.088 dBm/MHz

RESULTS

8.4.1. UNII-1 BAND SISO MODE

FCC

UNII-1 (SISO) (5162 - 5245MHz)	
Ant 6 (dBi)	-1.00
Ant 5 (dBi)	-0.20

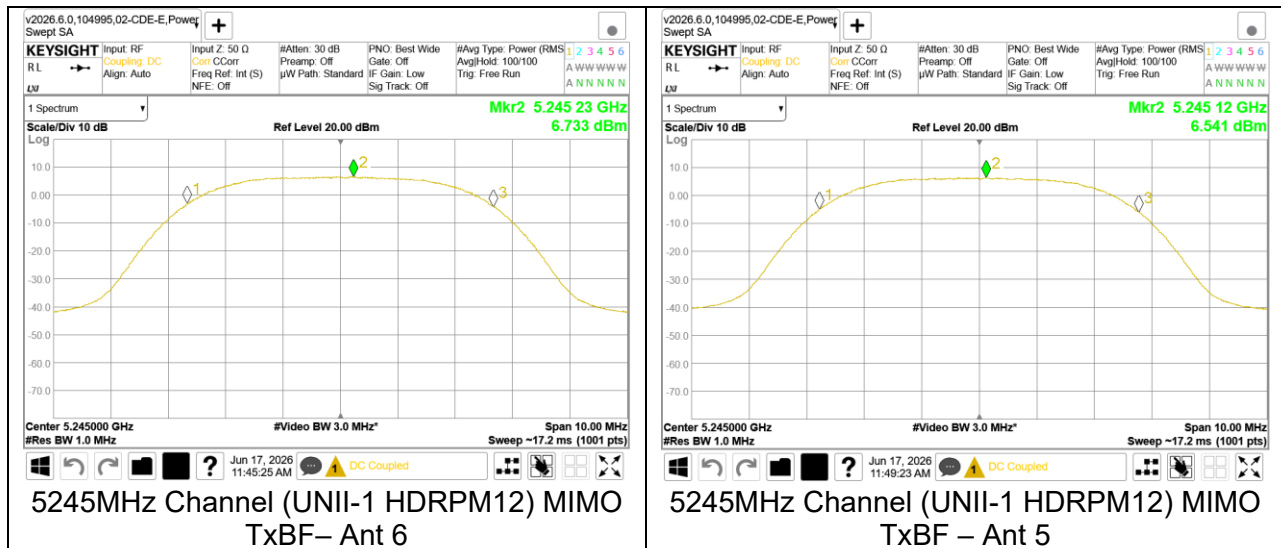
UNII-1 (SISO)	Power Config.	Freq (MHz)	Ch. #	Duty Cycle (dB)	Minimum Bandwidth (MHz)		Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/MHz)		PSD (dBm/MHz)		Total Corrected PSD (dBm/MHz)	
					Ant 6	Ant 5	Ant 6	Ant5	Ant 6	Ant 5	Ant 6	Ant 5	Ant 6	Ant5	Ant 6	Ant 5	Ant 6	Ant 5
BDR	High	5162	Low	1.15	--	24	24	9.47	9.45	9.47	9.45	11	11	7.999	8.253	9.149	9.403	
		5203	Mid					9.48	9.46	9.48	9.46			8.091	8.155	9.241	9.305	
		5245	High					9.43	9.45	9.43	9.45			8.198	8.323	9.348	9.473	
	Low	5162	Low					5.71	3.98	5.71	3.98			4.231	2.850	5.381	4.000	
		5203	Mid					5.72	3.99	5.72	3.99			4.275	2.777	5.425	3.927	
		5245	High					5.74	3.99	5.74	3.99			3.953	2.952	5.103	4.102	
HDT2	High	5162	Low	0.16				12.24	12.23	12.24	12.23			9.512	9.597	9.672	9.757	
		5203	Mid					12.24	12.23	12.24	12.23			9.577	9.690	9.737	9.850	
		5245	High					12.23	12.24	12.23	12.24			9.216	9.400	9.376	9.560	
	Low	5162	Low					2.73	0.98	2.73	0.98			-0.101	-0.994	0.059	-0.834	
		5203	Mid					2.74	0.95	2.74	0.95			-0.049	-0.961	0.111	-0.801	
		5245	High					2.72	0.94	2.72	0.94			0.012	-0.564	0.172	-0.404	
LE1M	High	5162	Low	0.72				9.98	9.97	9.98	9.97			9.183	9.261	9.903	9.981	
		5203	Mid					9.89	9.96	9.89	9.96			9.369	9.134	10.089	9.854	
		5245	High					9.95	9.89	9.95	9.89			9.466	9.502	10.186	10.222	
	Low	5162	Low					5.70	3.98	5.70	3.98			4.791	2.958	5.511	3.678	
		5203	Mid					5.73	3.97	5.73	3.97			4.989	3.124	5.709	3.844	
		5245	High					5.74	3.97	5.74	3.97			4.639	2.940	5.359	3.660	
LE2M	High	5162	Low	2.49				10.45	10.46	10.45	10.46			6.782	6.794	9.272	9.284	
		5203	Mid					10.49	10.49	10.49	10.49			7.009	6.715	9.499	9.205	
		5245	High					10.49	10.48	10.49	10.48			6.833	6.705	9.323	9.195	
	Low	5162	Low					5.72	3.95	5.72	3.95			2.313	0.483	4.803	2.973	
		5203	Mid					5.73	3.98	5.73	3.98			2.360	0.522	4.850	3.012	
		5245	High					5.71	3.99	5.71	3.99			2.269	0.520	4.759	3.010	
XHDRPS2	High	5162	Low	0				11.95	11.92	11.95	11.92			9.680	9.280	9.680	9.280	
		5203	Mid					11.94	11.97	11.94	11.97			9.610	9.259	9.610	9.259	
		5245	High					11.99	11.99	11.99	11.99			9.763	9.388	9.763	9.388	
	Low	5162	Low					2.68	0.98	2.68	0.98			-0.024	-1.588	-0.024	-1.588	
		5203	Mid					2.78	0.96	2.78	0.96			-0.058	-1.469	-0.058	-1.469	
		5245	High					2.70	0.95	2.70	0.95			-0.131	-1.818	-0.131	-1.818	
HDRPM8	High	5162	Low	0.31				14.47	14.21	14.47	14.21			9.238	8.384	9.548	8.694	
		5203	Mid					14.46	14.19	14.46	14.19			9.102	8.495	9.412	8.805	
		5245	High					14.49	14.19	14.49	14.19			9.131	8.528	9.441	8.838	
	Low	5162	Low					2.69	0.98	2.69	0.98			-3.229	-4.590	-2.919	-4.280	
		5203	Mid					2.74	0.96	2.74	0.96			-3.125	-4.715	-2.815	-4.405	
		5245	High					2.72	0.93	2.72	0.93			-3.202	-5.042	-2.892	-4.732	
HDRPL8	High	5164	Low	0.23				14.46	14.24	14.46	14.24			6.435	6.019	6.665	6.249	
		5203	Mid					14.49	14.23	14.49	14.23			6.556	6.293	6.786	6.523	
		5242	High					14.45	14.24	14.45	14.24			6.455	6.202	6.685	6.432	
	Low	5164	Low					2.72	0.99	2.72	0.99			-5.539	-7.242	-5.309	-7.012	
		5203	Mid					2.72	0.95	2.72	0.95			-5.343	-7.130	-5.113	-6.900	
		5242	High					2.74	0.96	2.74	0.96			-5.559	-6.938	-5.329	-6.708	

8.4.2. UNII-1 BAND MIMO TXBF MODE

FCC

UNII-1 (MIMO BF) (5162 - 5245MHz)	
Un-Correlated Gain (dBi)	-0.60
Correlated Gain (dBi)	2.40

UNII-1 (MIMO BF)	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 (FCC)	High	5162	Low	1.15	--	24	6.44	6.45	9.46	11	4.725	5.121	9.088
		5203	Mid				6.45	6.45	9.46		5.056	5.004	9.190
		5245	High				6.48	6.48	9.49		4.889	4.737	8.974
	Low	5162	Low				5.74	3.98	7.96		4.539	2.860	7.940
		5203	Mid				5.73	3.97	7.95		4.228	2.628	7.662
		5245	High				5.74	3.95	7.95		4.419	2.616	7.771
HDT2	High	5162	Low	0.16			9.23	9.21	12.23		6.522	6.567	9.715
		5203	Mid				9.21	9.22	12.23		6.254	6.245	9.420
		5245	High				9.19	9.21	12.21		6.267	6.609	9.612
	Low	5162	Low				2.74	0.98	4.96		-0.004	-0.833	2.772
		5203	Mid				2.73	0.97	4.95		-0.121	-1.040	2.614
		5245	High				2.73	0.90	4.92		-0.143	-1.040	2.602
LE1M	High	5162	Low	0.72			6.98	6.95	9.98		6.279	6.132	9.936
		5203	Mid				6.88	6.98	9.94		5.951	5.948	9.680
		5245	High				6.91	6.96	9.95		6.296	5.955	9.859
	Low	5162	Low				5.71	3.97	7.94		4.845	3.008	7.753
		5203	Mid				5.74	3.98	7.96		4.973	3.149	7.886
		5245	High				5.74	3.97	7.95		5.084	2.951	7.877
LE2M (FCC)	High	5162	Low	2.49			7.48	7.49	10.50		3.903	3.972	9.438
		5203	Mid				7.47	7.46	10.48		3.857	3.647	9.254
		5245	High				7.49	7.47	10.49		3.902	4.084	9.494
	Low	5162	Low				5.69	3.98	7.93		2.253	0.555	6.987
		5203	Mid				5.72	3.95	7.93		2.670	0.668	7.284
		5245	High				5.70	3.99	7.94		2.733	0.569	7.285
XHDRPS2	High	5162	Low	0			8.94	8.99	11.98		6.784	6.621	9.714
		5203	Mid				8.97	8.99	11.99		6.656	6.548	9.613
		5245	High				8.96	8.97	11.98		6.925	6.601	9.776
	Low	5162	Low				2.70	0.95	4.92		0.066	-1.695	2.284
		5203	Mid				2.74	0.99	4.96		-0.078	-1.744	2.179
		5245	High				2.71	0.95	4.93		-0.227	-1.868	2.040
HDRPM12	High	5162	Low	0.61			11.73	11.74	14.75		6.549	6.371	10.081
		5203	Mid				11.74	11.74	14.75		6.474	6.402	10.058
		5245	High				11.73	11.69	14.72		6.733	6.541	10.258
	Low	5162	Low				-0.26	-2.18	1.90		-5.935	-7.795	-3.146
		5203	Mid				-0.26	-2.01	1.96		-5.997	-7.695	-3.143
		5245	High				-0.27	-2.05	1.94		-5.895	-7.932	-3.175
HDRPL8	High	5164	Low	0.23			14.48	14.23	17.37		6.791	6.285	9.786
		5203	Mid				14.47	14.24	17.37		6.688	6.343	9.759
		5242	High				14.48	14.24	17.37		6.774	6.331	9.798
	Low	5164	Low				2.74	0.93	4.94		-5.423	-7.048	-2.920
		5203	Mid				2.73	0.97	4.95		-5.580	-7.260	-3.099
		5242	High				2.70	0.97	4.93		-5.496	-7.266	-3.051

WORST MAXIMUM PLOTS

8.4.3. UNII-3 BAND SISO MODE

FCC

UNII-3 (SISO) (5733- 5844MHz)	
Ant 6 (dBi)	-0.4
Ant 5 (dBi)	1.9

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	19.73	19.47	19.73	19.47	30	30	17.767	17.544	18.917	18.694
		5788	Mid				19.72	19.48	19.72	19.48			17.952	17.567	19.102	18.717
		5844	High				19.71	19.49	19.71	19.49			17.812	17.601	18.962	18.751
	5733	Low	6.49				3.98	6.49	3.98	4.339			1.834	5.489	2.984	
	5788	Mid	6.45				3.99	6.45	3.99	4.624			2.227	5.774	3.377	
	5844	High	6.47				3.98	6.47	3.98	4.717			2.088	5.867	3.238	
HDT2	High	5733	Low	0.16			14.71	14.47	14.71	14.47			9.643	9.286	9.803	9.446
		5788	Mid				14.69	14.43	14.69	14.43			9.575	9.375	9.735	9.535
		5844	High				14.74	14.47	14.74	14.47			9.467	9.080	9.627	9.240
	5733	Low	3.42				0.93	3.42	0.93	-0.892			-3.306	-0.732	-3.146	
	5788	Mid	3.49				0.97	3.49	0.97	-0.613			-3.659	-0.453	-3.499	
	5844	High	3.46				0.97	3.46	0.97	-1.028			-3.786	-0.868	-3.626	
LE1M	High	5733	Low	0.72			19.74	19.47	19.74	19.47			18.303	17.926	19.023	18.646
		5788	Mid				19.72	19.48	19.72	19.48			18.263	17.769	18.983	18.489
		5844	High				19.69	19.46	19.69	19.46			18.158	17.815	18.878	18.535
	5733	Low	6.49				3.98	6.49	3.98	5.941			3.024	6.661	3.744	
	5788	Mid	6.45				3.97	6.45	3.97	6.162			2.603	6.882	3.323	
	5844	High	6.44				3.97	6.44	3.97	5.635			2.611	6.355	3.331	
LE2M	High	5733	Low	2.49			19.72	19.45	19.72	19.45			14.456	13.605	16.946	16.095
		5788	Mid				19.72	19.46	19.72	19.46			14.617	13.862	17.107	16.352
		5844	High				19.72	19.48	19.72	19.48			14.175	13.661	16.665	16.151
	5733	Low	6.48				3.98	6.48	3.98	2.755			-0.691	5.245	1.799	
	5788	Mid	6.49				3.97	6.49	3.97	2.530			-0.328	5.020	2.162	
	5844	High	6.46				3.95	6.46	3.95	2.868			-0.214	5.358	2.276	
XHDRPS2	High	5733	Low	0			14.73	14.46	14.73	14.46			9.994	9.330	9.994	9.330
		5788	Mid				14.74	14.48	14.74	14.48			9.937	9.411	9.937	9.411
		5844	High				14.74	14.47	14.74	14.47			9.759	9.493	9.759	9.493
	5733	Low	3.45				0.96	3.45	0.96	-1.626			-4.381	-1.626	-4.381	
	5788	Mid	3.42				0.99	3.42	0.99	-1.525			-4.759	-1.525	-4.759	
	5844	High	3.45				0.99	3.45	0.99	-1.671			-4.408	-1.671	-4.408	
HDRPM8	High	5733	Low	0.31			14.72	14.43	14.72	14.43			6.614	5.994	6.924	6.304
		5788	Mid				14.74	14.41	14.74	14.41			6.591	6.099	6.901	6.409
		5844	High				14.73	14.46	14.73	14.46			6.519	6.028	6.829	6.338
	5733	Low	3.45				0.99	3.45	0.99	-4.851			-7.742	-4.541	-7.432	
	5788	Mid	3.48				0.96	3.48	0.96	-4.665			-7.770	-4.355	-7.460	
	5844	High	3.46				0.93	3.46	0.93	-4.763			-7.374	-4.453	-7.064	
HDRPL8	High	5733	Low	0.23			14.73	14.44	14.73	14.44			4.558	4.415	4.788	4.645
		5788	Mid				14.72	14.45	14.72	14.45			4.634	4.416	4.864	4.646
		5844	High				14.73	14.49	14.73	14.49			4.556	4.439	4.786	4.669
	5733	Low	3.47				0.90	3.47	0.90	-6.989			-8.584	-6.759	-8.354	
	5788	Mid	3.47				0.98	3.47	0.98	-6.868			-9.002	-6.638	-8.772	
	5844	High	3.46				0.98	3.46	0.98	-6.978			-8.991	-6.748	-8.761	

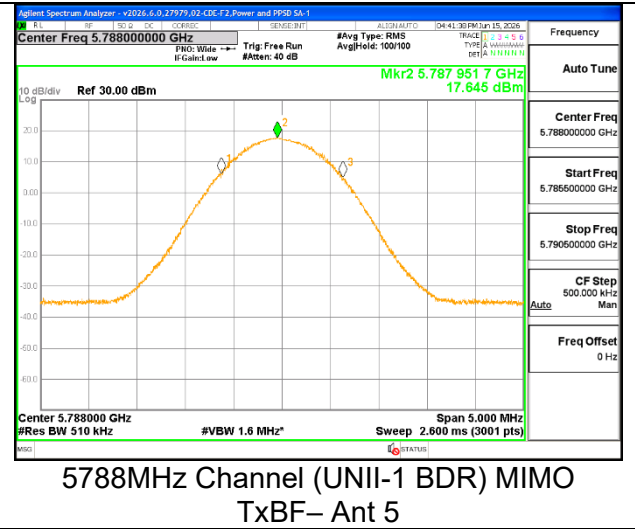
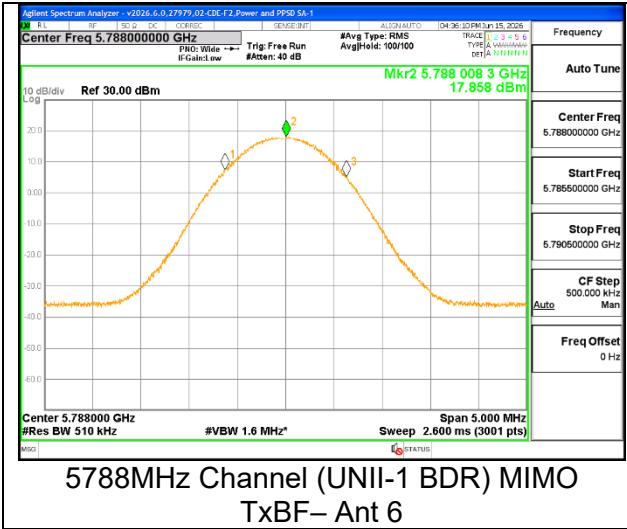
8.4.4. UNII-3 BAND MIMO TXBF MODE

FCC

UNII-3 (MIMO BF) (5733- 5844MHz)	
Un-Correlated Gain (dBi)	-0.3
Correlated Gain (dBi)	2.3

UNII-3 (MIMO BF)	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	19.73	19.48	22.62	30	17.868	17.623	21.908
		5788	Mid			19.74	19.43	22.60		17.858	17.645	21.913
		5844	High			19.71	19.49	22.61		17.862	17.565	21.876
	Low	5733	Low			6.46	3.98	8.40		4.396	2.105	7.560
		5788	Mid			6.49	3.95	8.41		4.833	1.944	7.785
		5844	High			6.49	3.96	8.42		4.580	1.914	7.609
HDT2	High	5733	Low	0.16		14.72	14.47	17.61		9.574	9.281	12.600
		5788	Mid			14.71	14.45	17.59		9.667	9.270	12.643
		5844	High			14.72	14.46	17.60		9.481	9.273	12.549
	Low	5733	Low			3.45	0.98	5.40		-0.532	-2.998	1.578
		5788	Mid			3.46	0.94	5.39		-0.596	-3.276	1.438
		5844	High			3.44	0.89	5.36		-0.884	-3.437	1.195
LE1M	High	5733	Low	0.72		19.73	19.45	22.60		18.328	17.958	21.877
		5788	Mid			19.70	19.44	22.58		18.356	17.939	21.883
		5844	High			19.64	19.44	22.55		18.078	17.669	21.609
	Low	5733	Low			6.47	3.96	8.40		6.026	3.033	8.513
		5788	Mid			6.48	3.93	8.40		5.737	2.891	8.273
		5844	High			6.47	3.98	8.41		5.583	2.735	8.119
LE2M	High	5733	Low	2.49		19.69	19.47	22.59		14.283	13.807	19.552
		5788	Mid			19.72	19.46	22.60		14.326	13.780	19.562
		5844	High			19.72	19.48	22.61		14.675	13.983	19.843
	Low	5733	Low			6.45	3.99	8.40		2.821	-0.239	7.055
		5788	Mid			6.44	3.96	8.38		2.642	-0.381	6.889
		5844	High			3.49	3.95	6.74		2.631	-0.522	6.835
XHDRPS2	High	5733	Low	0		14.72	14.43	17.59		9.857	9.515	12.700
		5788	Mid			14.73	14.47	17.61		9.885	9.419	12.669
		5844	High			14.73	14.47	17.61		9.755	9.409	12.596
	Low	5733	Low			3.48	0.98	5.42		-1.474	-4.330	0.339
		5788	Mid			3.49	0.96	5.42		-1.373	-4.431	0.372
		5844	High			3.48	0.89	5.39		-1.575	-4.267	0.295
HDRPM8	High	5733	Low	0.31		14.74	14.47	17.62		6.550	6.153	9.676
		5788	Mid			14.73	14.46	17.61		6.702	6.048	9.708
		5844	High			14.72	14.48	17.61		6.631	6.262	9.771
	Low	5733	Low			3.49	0.94	5.41		-4.674	-7.571	-2.565
		5788	Mid			3.46	0.94	5.39		-4.631	-7.362	-2.465
		5844	High			3.44	0.98	5.39		-4.804	-7.326	-2.564
HDRPL8	High	5733	Low	0.23		14.74	14.49	17.63		4.790	4.593	7.933
		5788	Mid			14.72	14.48	17.61		4.872	4.382	7.874
		5844	High			14.74	14.49	17.63		4.711	4.455	7.825
	Low	5733	Low			3.47	0.95	5.40		-7.010	-8.827	-4.584
		5788	Mid			3.46	0.97	5.40		-6.874	-8.740	-4.467
		5844	High			3.49	0.90	5.40		-7.094	-8.911	-4.668

WORST MAXIMUM PLOTS



9. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands

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

RSS 247 Issue 4 Sections

7.3.1.3 (for 5150-5250 MHz band)

7.3.4.4 (for 5725-5850 MHz band)

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

Radiated emissions restricted frequency bands	ANSI C63.10 Subclause -12.7.2
Radiated emissions non-restricted frequency bands	ANSI C63.10 Subclause -12.7.3
Radiated Spurious Emissions Below 30MHz	ANSI C63.10 Subclause 6.4

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

STATE A**9.1. TRANSMITTER ABOVE 1 GHz****9.1.1. UNII-1 BAND SISO MODE – BANDEDGE – HIGH POWER**

UNII-1 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (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	* 5.15	56.93	Pk	34.4	-36.02	0	55.31	-	-	74	-18.69	290	102	H
			* 5.082973	58.69	Pk	34.4	-36.28	0	56.81	-	-	74	-17.19	290	102	H
			* 5.15	46.19	RMS	34.4	-36.02	1.15	45.72	54	-8.28	-	-	290	102	H
			* 5.147251	46.49	RMS	34.4	-36.03	1.15	46.01	54	-7.99	-	-	290	102	H
			* 5.15	56.02	Pk	34.4	-36.02	0	54.4	-	-	74	-19.6	283	104	V
			* 5.13914	58.55	Pk	34.4	-36.06	0	56.89	-	-	74	-17.11	283	104	V
		5	* 5.15	45.47	RMS	34.4	-36.02	1.15	45	54	-9	-	-	283	104	V
			* 5.136946	46.45	RMS	34.4	-36.07	1.15	45.93	54	-8.07	-	-	283	104	V
			* 5.15	56.21	Pk	34.4	-36.02	0	54.59	-	-	74	-19.41	269	208	H
			* 5.148196	58.87	Pk	34.4	-36.03	0	57.24	-	-	74	-16.76	269	208	H
			* 5.15	46.18	RMS	34.4	-36.02	1.15	45.71	54	-8.29	-	-	269	208	H
			* 5.147835	46.53	RMS	34.4	-36.03	1.15	46.05	54	-7.95	-	-	269	208	H
			* 5.15	55.18	Pk	34.4	-36.02	0	53.56	-	-	74	-20.44	231	380	V
			* 5.000694	59.4	Pk	34.2	-36.59	0	57.01	-	-	74	-16.99	231	380	V
			* 5.15	45.52	RMS	34.4	-36.02	1.15	45.05	54	-8.95	-	-	231	380	V
			* 5.147973	46.61	RMS	34.4	-36.03	1.15	46.13	54	-7.87	-	-	231	380	V
LE1M	5162	6	* 5.15	57.65	Pk	34.4	-36.02	0	56.03	-	-	74	-17.97	290	102	H
			* 5.144446	59	Pk	34.4	-36.04	0	57.36	-	-	74	-16.64	290	102	H
			* 5.15	45.62	RMS	34.4	-36.02	0.72	44.72	54	-9.28	-	-	290	102	H
			* 5.149557	46.76	RMS	34.4	-36.02	0.72	45.86	54	-8.14	-	-	290	102	H
			* 5.15	56.13	Pk	34.4	-36.02	0	54.51	-	-	74	-19.49	283	104	V
			* 5.113723	57.78	Pk	34.4	-36.16	0	56.02	-	-	74	-17.98	283	104	V
		5	* 5.15	45.86	RMS	34.4	-36.02	0.72	44.96	54	-9.04	-	-	283	104	V
			* 5.145723	46.61	RMS	34.4	-36.04	0.72	45.69	54	-8.31	-	-	283	104	V
			* 5.15	57.55	Pk	34.3	-37.11	0	54.74	-	-	74	-19.26	105	205	H
			* 5.135834	59.62	Pk	34.3	-37.12	0	56.8	-	-	74	-17.2	105	205	H
			* 5.15	46.12	RMS	34.3	-37.11	0.72	44.03	54	-9.97	-	-	105	205	H
			* 5.148057	47.32	RMS	34.3	-37.11	0.72	45.23	54	-8.77	-	-	105	205	H
			* 5.15	56.3	Pk	34.3	-37.11	0	53.49	-	-	74	-20.51	161	121	V
			* 5.104029	59.01	Pk	34.3	-37.16	0	56.15	-	-	74	-17.85	161	121	V
			* 5.15	45.71	RMS	34.3	-37.11	0.72	43.62	54	-10.38	-	-	161	121	V
			5.148473	46.88	RMS	34.3	-37.11	0.72	44.79	54	-9.21	-	-	161	121	V
LE2M	5162	6	* 5.15	56.41	Pk	34.4	-36.02	0	54.79	-	-	74	-19.21	290	102	H
			* 5.097584	58.32	Pk	34.4	-36.22	0	56.5	-	-	74	-17.5	290	102	H
			* 5.15	45.75	RMS	34.4	-36.02	2.49	46.62	54	-7.38	-	-	290	102	H
			* 5.118557	46.87	RMS	34.4	-36.14	2.49	47.62	54	-6.38	-	-	290	102	H
			* 5.15	55.58	Pk	34.4	-36.02	0	53.96	-	-	74	-20.04	283	104	V
			* 5.125029	59.34	Pk	34.4	-36.12	0	57.62	-	-	74	-16.38	283	104	V
		5	* 5.15	45.8	RMS	34.4	-36.02	2.49	46.67	54	-7.33	-	-	283	104	V
			* 5.122307	46.59	RMS	34.4	-36.13	2.49	47.35	54	-6.65	-	-	283	104	V
			* 5.15	55.52	Pk	34.4	-36.02	0	53.9	-	-	74	-20.1	269	208	H
			* 5.144696	58.42	Pk	34.4	-36.04	0	56.78	-	-	74	-17.22	269	208	H
			* 5.15	45.86	RMS	34.4	-36.02	2.49	46.73	54	-7.27	-	-	269	208	H
			* 5.136029	46.39	RMS	34.4	-36.08	2.49	47.2	54	-6.8	-	-	269	208	H
			* 5.15	55.67	Pk	34.4	-36.02	0	54.05	-	-	74	-19.95	231	380	V
			* 5.099001	58.26	Pk	34.4	-36.22	0	56.44	-	-	74	-17.56	231	380	V
			* 5.15	45.49	RMS	34.4	-36.02	2.49	46.36	54	-7.64	-	-	231	380	V
			* 5.126723	46.6	RMS	34.4	-36.11	2.49	47.38	54	-6.62	-	-	231	380	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	ACF (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
HDT2	5162	6	* 5.15	56.9	Pk	34.4	-36.02	0	55.28	-	-	74	-18.72	290	102	H
			* 5.105418	58.56	Pk	34.4	-36.19	0	56.77	-	-	74	-17.23	290	102	H
			* 5.15	45.8	RMS	34.4	-36.02	0.16	44.34	54	-9.66	-	-	290	102	H
			* 5.134029	46.68	RMS	34.4	-36.08	0.16	45.16	54	-8.84	-	-	290	102	H
			* 5.15	55.41	Pk	34.4	-36.02	0	53.79	-	-	74	-20.21	283	104	V
			* 5.044806	58.78	Pk	34.3	-36.42	0	56.66	-	-	74	-17.34	283	104	V
		5	* 5.15	45.46	RMS	34.4	-36.02	0.16	44	54	-10	-	-	283	104	V
			* 5.147085	46.52	RMS	34.4	-36.03	0.16	45.05	54	-8.95	-	-	283	104	V
			* 5.15	55.92	Pk	34.4	-36.02	0	54.3	-	-	74	-19.7	269	208	H
			* 5.146779	58.22	Pk	34.4	-36.04	0	56.58	-	-	74	-17.42	269	208	H
			* 5.15	45.54	RMS	34.4	-36.02	0.16	44.08	54	-9.92	-	-	269	208	H
			* 5.147973	46.84	RMS	34.4	-36.03	0.16	45.37	54	-8.63	-	-	269	208	H
			* 5.15	55.68	Pk	34.4	-36.02	0	54.06	-	-	74	-19.94	231	383	V
			* 5.124445	58.38	Pk	34.4	-36.12	0	56.66	-	-	74	-17.34	231	383	V
			* 5.15	45.99	RMS	34.4	-36.02	0.16	44.53	54	-9.47	-	-	231	383	V
			* 5.149862	46.48	RMS	34.4	-36.02	0.16	45.02	54	-8.98	-	-	231	383	V
XHDRPS2	5162	6	* 5.15	55.98	Pk	34.4	-36.02	0	54.36	-	-	74	-19.64	290	102	H
			* 5.148835	58.48	Pk	34.4	-36.03	0	56.85	-	-	74	-17.15	290	102	H
			* 5.15	45.36	RMS	34.4	-36.02	0	43.74	54	-10.26	-	-	290	102	H
			* 5.109112	46.67	RMS	34.4	-36.18	0	44.89	54	-9.11	-	-	290	102	H
			* 5.15	55.78	Pk	34.4	-36.02	0	54.16	-	-	74	-19.84	283	104	V
			* 5.135946	58.19	Pk	34.4	-36.08	0	56.51	-	-	74	-17.49	283	104	V
		5	* 5.15	45.43	RMS	34.4	-36.02	0	43.81	54	-10.19	-	-	283	104	V
			* 5.138168	46.33	RMS	34.4	-36.07	0	44.66	54	-9.34	-	-	283	104	V
			* 5.15	56.52	Pk	34.4	-36.02	0	54.9	-	-	74	-19.1	269	208	H
			* 5.149751	59.5	Pk	34.4	-36.02	0	57.88	-	-	74	-16.12	269	208	H
			* 5.15	46.11	RMS	34.4	-36.02	0	44.49	54	-9.51	-	-	269	208	H
			* 5.148501	46.68	RMS	34.4	-36.03	0	45.05	54	-8.95	-	-	269	208	H
			* 5.15	56.49	Pk	34.4	-36.02	0	54.87	-	-	74	-19.13	231	380	V
			* 5.142307	58.97	Pk	34.4	-36.05	0	57.32	-	-	74	-16.68	231	380	V
			* 5.15	45.47	RMS	34.4	-36.02	0	43.85	54	-10.15	-	-	231	380	V
			* 5.14739	46.63	RMS	34.4	-36.03	0	45	54	-9	-	-	231	380	V
HDRPM8	5162	6	* 5.15	56.44	Pk	34.4	-36.02	0	54.82	-	-	74	-19.18	290	102	H
			* 5.107723	58.86	Pk	34.4	-36.18	0	57.08	-	-	74	-16.92	290	102	H
			* 5.15	45.94	RMS	34.4	-36.02	0.31	44.63	54	-9.37	-	-	290	102	H
			* 5.149418	46.65	RMS	34.4	-36.03	0.31	45.33	54	-8.67	-	-	290	102	H
			* 5.15	56.43	Pk	34.4	-36.02	0	54.81	-	-	74	-19.19	283	104	V
			* 5.129973	58.26	Pk	34.4	-36.1	0	56.56	-	-	74	-17.44	283	104	V
		5	* 5.15	45.44	RMS	34.4	-36.02	0.31	44.13	54	-9.87	-	-	283	104	V
			* 5.141612	46.3	RMS	34.4	-36.06	0.31	44.95	54	-9.05	-	-	283	104	V
			* 5.15	55.82	Pk	34.4	-36.02	0	54.2	-	-	74	-19.8	269	208	H
			* 5.114556	58.53	Pk	34.4	-36.16	0	56.77	-	-	74	-17.23	269	208	H
			* 5.15	46.05	RMS	34.4	-36.02	0.31	44.74	54	-9.26	-	-	269	208	H
			* 5.149668	46.57	RMS	34.4	-36.02	0.31	45.26	54	-8.74	-	-	269	208	H
			* 5.15	56.48	Pk	34.4	-36.02	0	54.86	-	-	74	-19.14	231	380	V
			* 5.145362	58.67	Pk	34.4	-36.04	0	57.03	-	-	74	-16.97	231	380	V
			* 5.15	45.23	RMS	34.4	-36.02	0.31	43.92	54	-10.08	-	-	231	380	V
			* 5.144362	46.45	RMS	34.4	-36.04	0.31	45.12	54	-8.88	-	-	231	380	V
HDRPL8	5164	6	* 5.15	61.81	Pk	34.4	-36.02	0	60.19	-	-	74	-13.81	290	102	H
			* 5.149723	61.89	Pk	34.4	-36.02	0	60.27	-	-	74	-13.73	290	102	H
			* 5.15	49.87	RMS	34.4	-36.02	0.23	48.48	54	-5.52	-	-	290	102	H
			* 5.149835	50.51	RMS	34.4	-36.02	0.23	49.12	54	-4.88	-	-	290	102	H
			* 5.15	56.06	Pk	34.4	-36.02	0	54.44	-	-	74	-19.56	283	104	V
			* 5.128612	58.67	Pk	34.4	-36.1	0	56.97	-	-	74	-17.03	283	104	V
		5	* 5.15	45.78	RMS	34.4	-36.02	0.23	44.39	54	-9.61	-	-	283	104	V
			* 5.148057	46.29	RMS	34.4	-36.03	0.23	44.89	54	-9.11	-	-	283	104	V
			* 5.15	56.81	Pk	34.1	-30.8	0	60.11	-	-	74	-13.89	148	238	H
			* 5.149863	57.77	Pk	34.1	-30.8	0	61.07	-	-	74	-12.93	148	238	H
			* 5.15	44.41	RMS	34.1	-30.8	0.23	47.94	54	-6.06	-	-	148	238	H
			* 5.14955	44.93	RMS	34.1	-30.8	0.23	48.46	54	-5.54	-	-	148	238	H
			* 5.15	53	Pk	34.1	-30.8	0	56.3	-	-	74	-17.7	200	203	V
			* 5.149957	54.2	Pk	34.1	-30.8	0	57.5	-	-	74	-16.5	200	203	V
			* 5.15	41.73	RMS	34.1	-30.8	0.23	45.26	54	-8.74	-	-	200	203	V
			* 5.149644	42.17	RMS	34.1	-30.8	0.23	45.7	54	-8.3	-	-	200	203	V

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

Pk - Peak detector

RMS - RMS detection

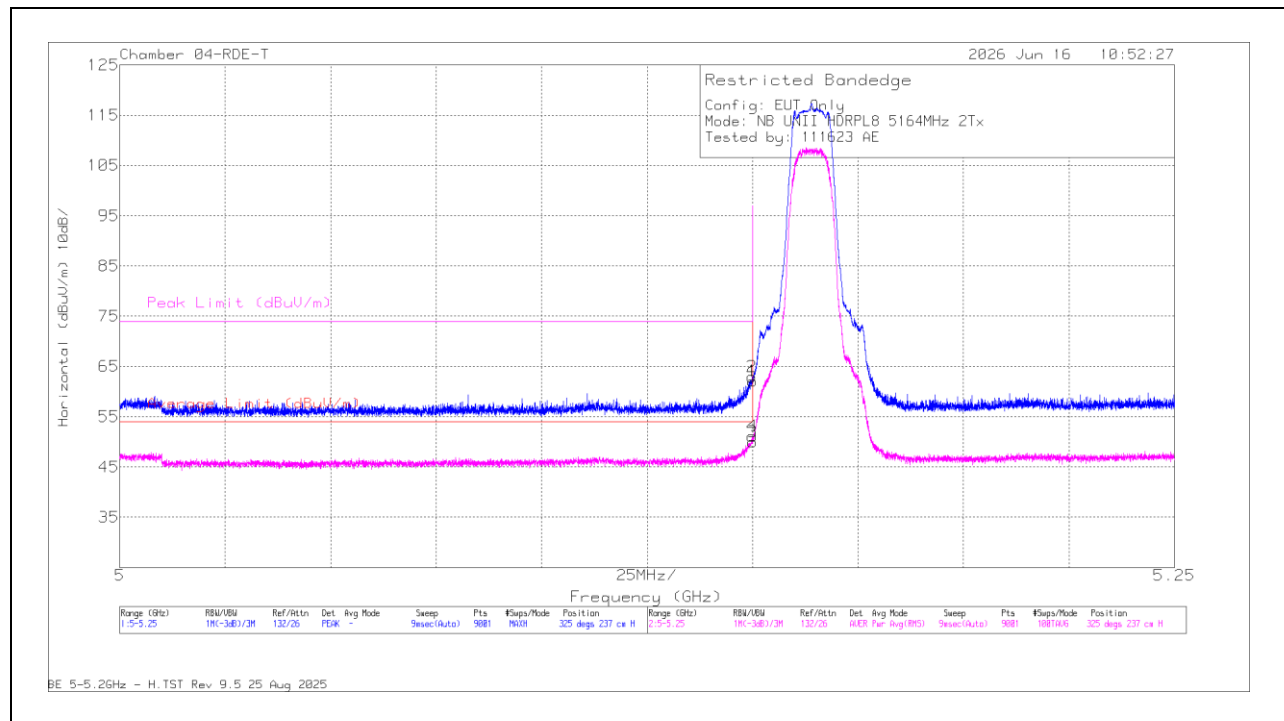
9.1.2. UNII-1 BAND MIMO TXBF MODE – BANDEDGE – HIGH POWER

UNII-1 (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (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
BDR	5162	6 + 5	* 5.15	58.11	Pk	34.7	-38.61	0	54.2	-	-	74	-19.8	267	221	H
			* 5.149585	60.43	Pk	34.7	-38.62	0	56.51	-	-	74	-17.49	267	221	H
			* 5.15	46.82	RMS	34.7	-38.61	1.15	44.06	54	-9.94	-	-	267	221	H
			* 5.146723	48.18	RMS	34.7	-38.65	1.15	45.38	54	-8.62	-	-	267	221	H
			* 5.15	57.45	Pk	34.7	-38.61	0	53.54	-	-	74	-20.46	324	105	V
			* 5.112556	60.51	Pk	34.4	-38.58	0	56.33	-	-	74	-17.67	324	105	V
			* 5.15	47	RMS	34.7	-38.61	1.15	44.24	54	-9.76	-	-	324	105	V
HDT2	5162	6 + 5	* 5.147835	47.94	RMS	34.7	-38.62	1.15	45.17	54	-8.83	-	-	324	105	V
			* 5.15	57.93	Pk	34.7	-38.61	0	54.02	-	-	74	-19.98	281	218	H
			* 5.149918	59.86	Pk	34.7	-38.61	0	55.95	-	-	74	-18.05	281	218	H
			* 5.15	48.3	RMS	34.7	-38.61	0.16	44.55	54	-9.45	-	-	281	218	H
			* 5.149918	48.27	RMS	34.7	-38.61	0.16	44.52	54	-9.48	-	-	281	218	H
			* 5.15	58.83	Pk	34.7	-38.61	0	54.92	-	-	74	-19.08	327	101	V
			* 5.141001	60.29	Pk	34.6	-38.64	0	56.25	-	-	74	-17.75	327	101	V
LE1M	5162	6 + 5	* 5.15	47.13	RMS	34.7	-38.61	0.16	43.38	54	-10.62	-	-	327	100	V
			* 5.149112	48.06	RMS	34.7	-38.64	0.16	44.28	54	-9.72	-	-	327	100	V
			* 5.15	58.12	Pk	34.7	-38.61	0	54.21	-	-	74	-19.79	279	219	H
			* 5.148557	60.31	Pk	34.7	-38.63	0	56.38	-	-	74	-17.62	279	219	H
			* 5.15	47.15	RMS	34.7	-38.61	0.72	43.96	54	-10.04	-	-	279	219	H
			* 5.146557	48.62	RMS	34.7	-38.65	0.72	45.39	54	-8.61	-	-	279	219	H
			* 5.15	57.3	Pk	34.7	-38.61	0	53.39	-	-	74	-20.61	326	104	V
LE2M	5162	6 + 5	* 5.099584	59.96	Pk	34.3	-38.59	0	55.67	-	-	74	-18.33	326	104	V
			* 5.15	47.22	RMS	34.7	-38.61	0.72	44.03	54	-9.97	-	-	326	104	V
			* 5.145473	48.39	RMS	34.7	-38.65	0.72	45.16	54	-8.84	-	-	326	104	V
			* 5.15	58.46	Pk	34.7	-38.61	0	54.55	-	-	74	-19.45	278	231	H
			* 5.149723	60.83	Pk	34.7	-38.62	0	56.91	-	-	74	-17.09	278	231	H
			* 5.15	47.79	RMS	34.7	-38.61	2.49	46.37	54	-7.63	-	-	278	231	H
			* 5.149723	48.37	RMS	34.7	-38.62	2.49	46.94	54	-7.06	-	-	278	231	H
HDRPM12	5162	6 + 5	* 5.15	58.68	Pk	34.7	-38.61	0	54.77	-	-	74	-19.23	323	104	V
			* 5.128973	59.97	Pk	34.5	-38.65	0	55.82	-	-	74	-18.18	323	104	V
			* 5.15	46.98	RMS	34.7	-38.61	2.49	45.56	54	-8.44	-	-	323	104	V
			* 5.147168	47.85	RMS	34.7	-38.64	2.49	46.4	54	-7.6	-	-	323	104	V
			* 5.15	56.25	Pk	34.3	-32.62	0	57.93	-	-	74	-16.07	150	224	H
			* 5.082028	57.57	Pk	34.4	-32.62	0	59.35	-	-	74	-14.65	150	224	H
			* 5.15	44.98	RMS	34.3	-32.62	0.61	47.27	54	-6.73	-	-	150	224	H
XHDRPS2	5162	6 + 5	* 5	45.86	RMS	34.4	-32.69	0.61	48.18	54	-5.82	-	-	150	224	H
			* 5.15	56.27	Pk	34.3	-32.62	0	57.95	-	-	74	-16.05	207	137	V
			* 5.009417	57.4	Pk	34.3	-32.67	0	59.03	-	-	74	-14.97	207	137	V
			* 5.15	44.5	RMS	34.3	-32.62	0.61	46.79	54	-7.21	-	-	207	137	V
			* 5.003361	46.2	RMS	34.4	-32.66	0.61	48.55	54	-5.45	-	-	207	137	V
			* 5.15	54.22	Pk	34.2	-32.7	0	55.72	-	-	74	-18.28	312	219	H
			* 5.051945	57.44	Pk	34	-32.72	0	58.72	-	-	74	-15.28	312	219	H
HDRPL8	5164	6 + 5	* 5.15	43.53	RMS	34.2	-32.7	0	45.03	54	-8.97	-	-	312	219	H
			* 5.003167	45.7	RMS	34	-32.67	0	47.03	54	-6.97	-	-	312	219	H
			* 5.15	54.51	Pk	34.2	-32.7	0	56.01	-	-	74	-17.99	18	148	V
			* 5.003694	57.44	Pk	34	-32.67	0	58.77	-	-	74	-15.23	18	148	V
			* 5.15	43.53	RMS	34.2	-32.7	0	45.03	54	-8.97	-	-	18	148	V
			* 5.008889	45.37	RMS	34	-32.66	0	46.71	54	-7.29	-	-	18	148	V
			* 5.15	60.45	Pk	34.3	-32.62	0	62.13	-	-	74	-11.87	325	237	H
HDRPL8	5164	6 + 5	* 5.149835	61.26	Pk	34.3	-32.62	0	62.94	-	-	74	-11.06	325	237	H
			* 5.15	48.12	RMS	34.3	-32.62	0.23	50.03	54	-3.97	-	-	325	237	H
			* 5.149946	49.26	RMS	34.3	-32.62	0.23	51.17	54	-2.83	-	-	325	237	H
			* 5.15	56.12	Pk	34.3	-32.62	0	57.8	-	-	74	-16.2	296	265	V
			* 5.006695	58	Pk	34.4	-32.65	0	59.75	-	-	74	-14.25	296	265	V
			* 5.15	44.82	RMS	34.3	-32.62	0.23	46.73	54	-7.27	-	-	296	265	V
			* 5.009083	45.84	RMS	34.3	-32.66	0.23	47.71	54	-6.29	-	-	296	265	V

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

Pk - Peak detector

RMS - RMS detection

WORST-CASE LOW BANDEDGE**STATE A - MIMO TXBF – HDRPL8 - High Power – 5164MHz – Horizontal****Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	60.45	Pk	34.3	0	-32.62	62.13	-	-	74	-11.87	325	237	H
2	* 5.149835	61.26	Pk	34.3	0	-32.62	62.94	-	-	74	-11.06	325	237	H
3	* 5.15	48.12	RMS	34.3	23	-32.62	50.03	54	-3.97	-	-	325	237	H
4	* 5.149946	49.26	RMS	34.3	23	-32.62	51.17	54	-2.83	-	-	325	237	H

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

Pk - Peak detector

RMS - RMS detection

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

UNII-1 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (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	* 3.040716	46.26	ADR	32.9	-47.68	1.15	32.63	54	-21.37	-	-	2	200	H
			* 3.026769	58.4	PK-U	32.9	-47.77	0	43.53	-	-	68.2	-24.67	2	200	H
			* 3.048337	46.22	ADR	32.9	-47.69	1.15	32.58	54	-21.42	-	-	2	200	V
			* 3.031297	57.79	PK-U	32.9	-47.64	0	43.05	-	-	68.2	-25.15	2	200	V
			* 10.65788	42.43	ADR	37.7	-44.33	1.15	36.95	54	-17.05	-	-	2	200	H
			* 10.649058	54.2	PK-U	37.7	-44.12	0	47.78	-	-	74	-26.22	2	200	H
			* 10.655866	42.46	ADR	37.7	-44.24	1.15	37.07	54	-16.93	-	-	2	101	V
			* 10.655937	54.1	PK-U	37.7	-44.24	0	47.56	-	-	74	-26.44	2	101	V
			* 17.646345	34.6	ADR	42	-35.6	1.15	42.15	54	-11.85	-	-	2	200	H
			* 17.633616	46.38	PK-U	42	-35.88	0	52.5	-	-	68.2	-15.7	2	200	H
			* 17.647974	34.14	ADR	42	-35.48	1.15	41.81	54	-12.19	-	-	2	200	V
			* 17.654871	46.12	PK-U	42	-35.59	0	52.53	-	-	68.2	-15.67	2	200	V
	5203	6 + 5	* 3.038927	46.39	ADR	32.9	-47.67	1.15	32.77	54	-21.23	-	-	360	200	H
			* 3.027574	58.53	PK-U	32.9	-47.74	0	43.69	-	-	68.2	-24.51	360	200	H
			* 3.03614	46.39	ADR	32.9	-47.64	1.15	32.8	54	-21.2	-	-	360	200	V
			* 3.047474	58.21	PK-U	32.9	-47.68	0	43.43	-	-	68.2	-24.77	360	200	V
			* 10.983443	41.09	ADR	37.6	-43.81	1.15	36.03	54	-17.97	-	-	360	101	H
			* 10.979754	52.94	PK-U	37.6	-43.81	0	46.73	-	-	74	-27.27	360	101	H
			* 10.991331	41.25	ADR	37.6	-43.67	1.15	36.33	54	-17.67	-	-	360	200	V
			* 10.965416	52.96	PK-U	37.6	-43.9	0	46.66	-	-	74	-27.34	360	200	V
			* 17.660392	34.11	ADR	42	-36.12	1.15	41.14	54	-12.86	-	-	360	101	H
			17.666836	46	PK-U	42	-36.85	0	51.15	-	-	68.2	-17.05	360	101	H
			* 7.642909	34.24	ADR	42	-35.7	1.15	41.69	54	-12.31	-	-	360	200	V
			* 17.632033	46.17	PK-U	42	-36.02	0	52.15	-	-	68.2	-16.05	360	200	V
			* 3.042309	46.51	ADR	32.9	-47.69	1.15	32.87	54	-21.13	-	-	360	101	H
			* 3.045429	58.62	PK-U	32.9	-47.68	0	43.84	-	-	68.2	-24.36	360	101	H
	5245	6 + 5	* 3.043795	46.3	ADR	32.9	-47.68	1.15	32.67	54	-21.33	-	-	360	199	V
			* 3.032108	58.12	PK-U	32.9	-47.61	0	43.41	-	-	68.2	-24.79	360	199	V
			* 10.66946	42.53	ADR	37.7	-44.15	1.15	37.23	54	-16.77	-	-	360	199	H
			* 10.647522	54.2	PK-U	37.7	-44.13	0	47.77	-	-	74	-26.23	360	199	H
			* 10.661014	42.4	ADR	37.7	-44.3	1.15	36.95	54	-17.05	-	-	360	101	V
			* 10.667036	54.92	PK-U	37.7	-44.2	0	48.42	-	-	74	-25.58	360	101	V
			* 17.666563	34.24	ADR	42	-36.84	1.15	40.55	54	-13.45	-	-	360	101	H
			* 17.654576	45.9	PK-U	42	-35.56	0	52.34	-	-	68.2	-15.86	360	101	H
			* 17.658518	34.68	ADR	42	-35.91	1.15	41.92	54	-12.08	-	-	360	199	V
			* 17.642784	46.53	PK-U	42	-35.7	0	52.83	-	-	68.2	-15.37	360	199	V
LE1M	5162	6 + 5	* 1.230696	50.19	ADR	29.8	-49.99	0.72	30.72	54	-23.28	-	-	360	100	H
			* 1.233389	61.84	PK-U	29.9	-50.01	0	41.73	-	-	74	-32.27	360	100	H
			* 1.233562	50.37	ADR	29.9	-50.01	0.72	30.98	54	-23.02	-	-	360	201	V
			* 1.234742	62.02	PK-U	29.9	-50.01	0	41.91	-	-	74	-32.09	360	201	V
			* 11.933918	43.33	ADR	39.2	-42.57	0.72	40.68	54	-13.32	-	-	360	100	H
			* 11.935865	55.18	PK-U	39.2	-42.6	0	51.78	-	-	74	-22.22	360	100	H
			* 11.983101	55.41	PK-U	39.3	-43.05	0	51.66	-	-	74	-22.34	360	200	V
			* 11.986137	43.37	ADR	39.3	-43.04	0.72	40.35	54	-13.65	-	-	360	200	V
			* 7.500651	43.51	ADR	35.5	-44.2	0.72	35.53	54	-18.47	-	-	360	100	H
			* 7.505016	55.34	PK-U	35.5	-44.13	0	46.71	-	-	74	-27.29	360	100	H
			* 7.561195	54.92	PK-U	35.5	-43.78	0	46.64	-	-	74	-27.36	360	201	V
			* 7.568213	42.95	ADR	35.6	-43.71	0.72	35.56	54	-18.44	-	-	360	201	V
	5203	6 + 5	* 1.342373	50.06	ADR	29.8	-50.04	0.72	30.54	54	-23.46	-	-	360	100	H
			* 1.350553	61.78	PK-U	29.8	-50.03	0	41.55	-	-	74	-32.45	360	100	H
			* 1.346287	50.2	ADR	29.8	-50.05	0.72	30.67	54	-23.33	-	-	360	201	V
			* 1.33428	62.13	PK-U	29.9	-50.03	0	42	-	-	74	-32	360	201	V
			* 11.852344	43.31	ADR	39.1	-42.96	0.72	40.17	54	-13.83	-	-	360	100	H
			* 11.872188	55.2	PK-U	39	-42.67	0	51.53	-	-	74	-22.47	360	100	H
			* 11.856409	43.29	ADR	39.1	-42.83	0.72	40.28	54	-13.72	-	-	360	200	V
			* 11.825912	54.93	PK-U	39.1	-43.45	0	50.58	-	-	74	-23.42	360	200	V
			* 7.557402	42.97	ADR	35.5	-43.81	0.72	35.38	54	-18.62	-	-	360	100	H
			* 7.574713	54.98	PK-U	35.5	-43.74	0	46.74	-	-	74	-27.26	360	100	H
			* 7.618521	43.19	ADR	35.5	-44.41	0.72	35	54	-19	-	-	360	201	V
			* 7.587196	55.85	PK-U	35.6	-43.81	0	47.64	-	-	74	-26.36	360	201	V
	5245	6 + 5	* 1.235435	50.52	ADR	29.9	-50.01	0.72	31.13	54	-22.87	-	-	360	100	H
			* 1.236035	61.73	PK-U	29.9	-50.01	0	41.62	-	-	74	-32.38	360	100	H
			* 1.234875	50.19	ADR	29.9	-50.01	0.72	30.8	54	-23.2	-	-	360	201	V
			* 1.240655	61.71	PK-U	30	-49.98	0	41.73	-	-	74	-32.27	360	201	V
			* 2.781743	34.92	ADR	32.7	-48.61	0.72	19.73	54	-34.27	-	-	360	100	H
			* 2.790016	46.64	PK-U	32.6	-48.54	0	30.7	-	-	74	-43.3	360	100	H
			* 2.785204	35.1	ADR	32.6	-48.6	0.72	19.82	54	-34.18	-	-	360	200	V
			* 2.77419	46.64	PK-U	32.8	-48.69	0	30.75	-	-	74	-43.25	360	200	V
			* 11.979297	43.9	ADR	39.3	-43.11	0.72	40.81	54	-13.19	-	-	360	100	H
			* 11.990342	55.52	PK-U	39.3	-43.02	0	51.8	-	-	74	-22.2	360	100	H
			* 11.824356	43.26	ADR	39.1	-43.39	0.72	39.69	54	-14.31	-	-	360	201	V
			* 11.826272	54.99	PK-U	39.1	-43.45	0	50.64	-	-	74	-23.36	360	201	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

UNII-1 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Fltr/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	* 1.225021	50.23	ADR	28.8	-50.29	2.49	31.23	54	-22.77	-	-	0	201	V
			* 1.226995	50.14	ADR	28.8	-50.3	2.49	31.13	54	-22.87	-	-	0	100	H
			* 1.229161	62.38	PK-U	28.8	-50.3	0	40.88	-	-	74	-33.12	0	201	V
			* 1.229809	61.6	PK-U	28.9	-50.3	0	40.2	-	-	74	-33.8	0	100	H
			* 11.883883	43.09	ADR	39.3	-43.99	2.49	40.89	54	-13.11	-	-	0	201	V
			* 11.888083	54.95	PK-U	39.3	-44.02	0	50.23	-	-	74	-23.77	0	201	V
			* 11.895626	43.06	ADR	39.3	-44	2.49	40.85	54	-13.15	-	-	0	100	H
			* 11.89955	54.67	PK-U	39.4	-44	0	50.07	-	-	74	-23.93	0	100	H
			* 3.767085	57.68	PK-U	33.7	-47.32	0	44.06	-	-	74	-29.94	0	200	V
			* 3.779825	45.68	ADR	33.7	-47.25	2.49	34.62	54	-19.38	-	-	0	100	H
			* 3.782199	45.65	ADR	33.7	-47.23	2.49	34.61	54	-19.39	-	-	0	200	V
			* 3.785438	58	PK-U	33.7	-47.23	0	44.47	-	-	74	-29.53	0	100	H
	5203	6 + 5	* 1.273409	50.17	ADR	28.9	-50.27	2.49	31.29	54	-22.71	-	-	0	201	V
			* 1.274016	50.25	ADR	28.9	-50.28	2.49	31.36	54	-22.64	-	-	0	100	H
			* 1.277816	62.05	PK-U	28.9	-50.25	0	40.7	-	-	74	-33.3	0	100	H
			* 1.282123	62.36	PK-U	28.9	-50.27	0	40.99	-	-	74	-33.01	0	201	V
			* 3.780733	45.73	ADR	33.7	-47.25	2.49	34.67	54	-19.33	-	-	0	100	H
			* 3.782112	45.8	ADR	33.7	-47.23	2.49	34.76	54	-19.24	-	-	0	200	V
			* 3.783292	57.72	PK-U	33.7	-47.25	0	44.17	-	-	74	-29.83	0	200	V
			* 3.796859	57.65	PK-U	33.7	-47.21	0	44.14	-	-	74	-29.86	0	100	H
			* 11.986811	54.8	PK-U	39.4	-43.8	0	50.4	-	-	74	-23.6	0	201	V
			* 11.998115	55.07	PK-U	39.4	-43.81	0	50.66	-	-	74	-23.34	0	100	H
			* 12.010302	42.78	ADR	39.4	-43.79	2.49	40.88	54	-13.12	-	-	0	100	H
			* 12.018229	43.19	ADR	39.4	-43.8	2.49	41.28	54	-12.72	-	-	0	201	V
	5245	6 + 5	* 1.223967	50.52	ADR	28.8	-50.3	2.49	31.51	54	-22.49	-	-	360	201	V
			* 1.22408	61.88	PK-U	28.8	-50.3	0	40.38	-	-	74	-33.62	360	201	V
			* 1.226581	50.37	ADR	28.8	-50.3	2.49	31.36	54	-22.64	-	-	360	100	H
			* 1.228121	62.48	PK-U	28.8	-50.28	0	41	-	-	74	-33	360	100	H
			* 3.775346	57.69	PK-U	33.7	-47.23	0	44.16	-	-	74	-29.84	360	200	V
			* 3.78114	58.04	PK-U	33.7	-47.25	0	44.49	-	-	74	-29.51	360	100	H
			* 3.781473	46.13	ADR	33.7	-47.24	2.49	35.08	54	-18.92	-	-	360	200	V
			* 3.782707	45.91	ADR	33.7	-47.24	2.49	34.86	54	-19.14	-	-	360	100	H
			* 11.985692	55.12	PK-U	39.4	-43.77	0	50.75	-	-	74	-23.25	360	201	V
			* 11.998256	43.29	ADR	39.4	-43.81	2.49	41.37	54	-12.63	-	-	360	201	V
			* 12.025408	54.76	PK-U	39.4	-43.86	0	50.3	-	-	74	-23.7	360	100	H
			* 12.025479	43.36	ADR	39.4	-43.86	2.49	41.39	54	-12.61	-	-	360	100	H
HDT2	5162	6 + 5	3.086073	57.29	PK-U	33	-47.85	0	42.44	-	-	68.2	-25.76	360	200	H
			3.089999	57.57	PK-U	33	-47.81	0	42.76	-	-	68.2	-25.44	360	200	V
			* 8.331133	54.4	PK-U	36	-44.56	0	45.84	-	-	74	-28.16	360	101	H
			* 8.31004	42.93	ADR	36	-44.66	0.16	34.43	54	-19.57	-	-	360	101	H
			* 8.309404	54.84	PK-U	36	-44.7	0	46.14	-	-	74	-27.86	360	200	V
			* 8.317417	43.12	ADR	36	-44.49	0.16	34.79	54	-19.21	-	-	360	200	V
			14.038559	52.04	PK-U	39.5	-42.39	0	49.15	-	-	68.2	-19.05	360	101	H
			14.039234	52.32	PK-U	39.5	-42.41	0	49.41	-	-	68.2	-18.79	360	200	V
			* 3.800651	57.6	PK-U	33.3	-46.99	0	43.91	-	-	74	-30.09	360	101	H
			* 3.800397	45.56	ADR	33.3	-46.98	0.16	32.04	54	-21.96	-	-	360	101	H
			* 3.805665	57.33	PK-U	33.3	-47.22	0	43.41	-	-	74	-30.59	360	199	V
			* 3.802585	45.58	ADR	33.3	-47.07	0.16	31.97	54	-22.03	-	-	360	199	V
			9.84156	55.81	PK-U	37	-45.19	0	47.62	-	-	68.2	-20.58	360	101	H
	5203	6 + 5	9.864628	55.52	PK-U	37	-45.42	0	47.1	-	-	68.2	-21.1	360	200	V
			16.605695	49.01	PK-U	41.9	-40.83	0	50.08	-	-	68.2	-18.12	360	101	H
			16.593585	50.16	PK-U	41.9	-40.6	0	51.46	-	-	68.2	-16.74	360	200	V
			3.058499	58.22	PK-U	32.9	-47.74	0	43.38	-	-	68.2	-24.82	360	101	H
			3.058367	58.74	PK-U	32.9	-47.74	0	43.9	-	-	68.2	-24.3	360	101	V
			* 8.283777	55.18	PK-U	36	-44.62	0	46.56	-	-	74	-27.44	360	101	H
			* 8.310399	43.02	ADR	36	-44.65	0.16	34.53	54	-19.47	-	-	360	101	H
			* 8.30488	55.13	PK-U	36	-44.73	0	46.4	-	-	74	-27.6	360	200	V
			* 8.304213	42.99	ADR	36	-44.71	0.16	34.44	54	-19.56	-	-	360	200	V
			13.839354	52.78	PK-U	39.4	-42.56	0	49.62	-	-	68.2	-18.58	300	200	H
			13.8588	52.81	PK-U	39.4	-42.61	0	49.6	-	-	68.2	-18.6	300	200	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

UNII-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (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
XHDRPS2	5162	6 + 5	3.14101	57.55	PK-U	33	-47.97	0	42.58	-	-	68.2	-25.62	0	101	H
			3.13729	57.61	PK-U	33	-47.99	0	42.62	-	-	68.2	-25.58	0	200	V
			* 8.349614	54.39	PK-U	36	-44.33	0	46.06	-	-	74	-27.94	0	200	H
			* 8.360841	42.62	ADR	36	-44.44	0	34.18	54	-19.82	-	-	0	200	H
			* 8.350686	54.4	PK-U	36	-44.37	0	46.03	-	-	74	-27.97	0	200	V
			* 8.364384	42.79	ADR	36	-44.41	0	34.38	54	-19.62	-	-	0	200	V
			13.763416	53.22	PK-U	39.4	-42.61	0	50.01	-	-	68.2	-18.19	0	200	H
			13.747367	53.39	PK-U	39.3	-42.65	0	50.04	-	-	68.2	-18.16	0	200	V
			3.003522	58.79	PK-U	32.8	-47.93	0	43.66	-	-	68.2	-24.54	1	101	H
			3.020783	58	PK-U	32.8	-47.97	0	42.83	-	-	68.2	-25.37	1	101	V
	5203	6 + 5	* 7.51244	55.62	PK-U	35.8	-45.96	0	45.46	-	-	74	-28.54	1	101	H
			* 7.481929	44.08	ADR	35.8	-45.97	0	33.91	54	-20.09	-	-	1	101	H
			* 7.50945	55.75	PK-U	35.8	-45.94	0	45.61	-	-	74	-28.39	1	199	V
			* 7.504512	44.11	ADR	35.8	-45.99	0	33.92	54	-20.08	-	-	1	199	V
			13.861602	52.48	PK-U	39.4	-42.7	0	49.18	-	-	68.2	-19.02	1	199	H
			13.864906	53.39	PK-U	39.4	-42.71	0	50.08	-	-	68.2	-18.12	1	199	V
			* 3.800647	57.1	PK-U	33.3	-46.99	0	43.41	-	-	74	-30.59	0	101	H
			* 3.804007	45.6	ADR	33.3	-47.14	0	31.76	54	-22.24	-	-	0	101	H
			* 3.804386	45.53	ADR	33.3	-47.16	0	31.67	54	-22.33	-	-	0	101	V
			* 3.804653	57.3	PK-U	33.3	-47.18	0	43.42	-	-	74	-30.58	0	101	V
	5245	6 + 5	9.853387	55.83	PK-U	37	-45.36	0	47.47	-	-	68.2	-20.73	0	101	H
			9.861565	55.89	PK-U	37	-45.5	0	47.39	-	-	68.2	-20.81	0	200	V
			16.564083	50.04	PK-U	41.8	-40.71	0	51.13	-	-	68.2	-17.07	0	101	H
			16.572495	49.69	PK-U	41.8	-40.57	0	50.92	-	-	68.2	-17.28	0	101	V
			2.595346	60.2	PK-U	32.4	-49.52	0	43.08	-	-	68.2	-25.12	0	100	H
			2.590346	60.61	PK-U	32.4	-49.46	0	43.55	-	-	68.2	-24.65	0	201	V
			10.339593	57.74	PK-U	37.9	-46.19	0	49.45	-	-	68.2	-18.75	0	100	H
			10.33906	57.94	PK-U	37.9	-46.2	0	49.64	-	-	68.2	-18.56	0	201	V
			* 15.535385	56.61	PK-U	41	-43.02	0	54.59	-	-	74	-19.41	0	100	H
			* 15.525127	44.31	ADR	41.1	-43.11	0.61	42.91	54	-11.09	-	-	0	100	H
HDRPM12	5162	6 + 5	* 15.50903	56.12	PK-U	41	-43.35	0	53.77	-	-	74	-20.23	0	200	V
			* 15.513016	44.2	ADR	41	-43.29	0.61	42.52	54	-11.48	-	-	0	200	V
			2.592981	61.24	PK-U	32.4	-49.49	0	44.15	-	-	68.2	-24.05	360	100	H
			2.598095	59.86	PK-U	32.4	-49.52	0	42.74	-	-	68.2	-25.46	360	200	V
			7.784069	56.5	PK-U	35.9	-45.87	0	46.53	-	-	68.2	-21.67	360	100	H
			7.810576	56.38	PK-U	35.9	-45.55	0	46.73	-	-	68.2	-21.47	360	201	V
			10.393307	57.85	PK-U	37.9	-45.97	0	49.78	-	-	68.2	-18.42	360	100	H
			10.396427	57.65	PK-U	37.9	-45.9	0	49.65	-	-	68.2	-18.55	360	200	V
			2.605806	59.81	PK-U	32.3	-49.5	0	42.61	-	-	68.2	-25.59	360	100	H
			2.63686	59.91	PK-U	32.3	-49.35	0	42.86	-	-	68.2	-25.34	360	201	V
	5203	6 + 5	7.883768	56.84	PK-U	36	-45.81	0	47.03	-	-	68.2	-21.17	360	100	H
			7.877641	56.85	PK-U	36	-45.66	0	47.19	-	-	68.2	-21.01	360	201	V
			10.46995	57.31	PK-U	38	-45.74	0	49.57	-	-	68.2	-18.63	360	100	H
			10.474092	57.47	PK-U	38	-45.81	0	49.66	-	-	68.2	-18.54	360	200	V

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

PK-U - U-NII: Maximum Peak

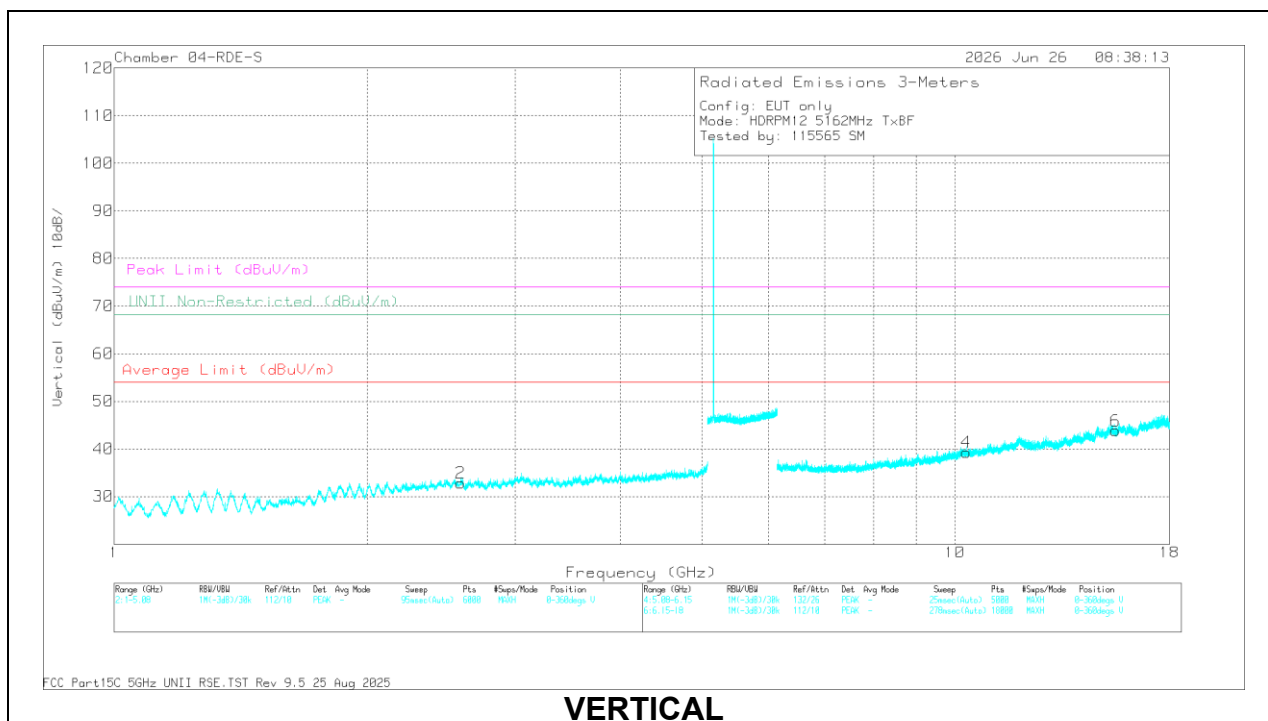
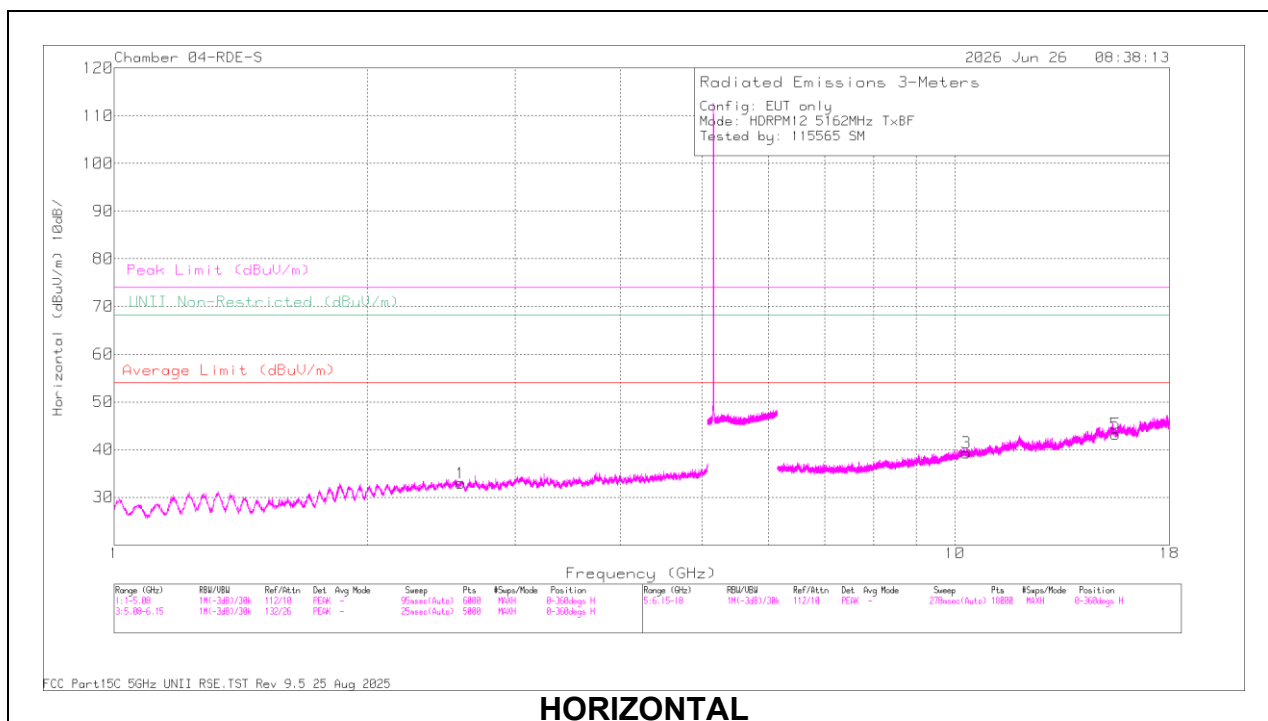
ADR - U-NII AD primary method, RMS average

UNII-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cb/ 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
HDRPMS	5162	6 + 5	* 1.314403	62.29	PK-U	29	-49.92	0	41.37	-	-	74	-32.63	0	199	H
			* 1.311243	50.9	ADR	29.1	-50.03	0.31	30.28	54	-23.72	-	-	0	199	H
			* 1.312827	62.68	PK-U	29	-49.97	0	41.71	-	-	74	-32.29	0	101	V
			* 1.315781	51.01	ADR	29	-50.02	0.31	30.3	54	-23.7	-	-	0	101	V
			* 4.011536	58.59	PK-U	33.5	-48	0	44.09	-	-	74	-29.91	0	101	H
			* 4.00811	47.18	ADR	33.5	-48.09	0.31	32.9	54	-21.1	-	-	0	101	H
			* 4.016697	58.48	PK-U	33.5	-47.88	0	44.1	-	-	74	-29.9	0	101	V
			* 4.002737	47.22	ADR	33.5	-47.75	0.31	33.28	54	-20.72	-	-	0	101	V
			* 11.898156	57.6	PK-U	38.7	-45.3	0	51	-	-	74	-23	0	101	H
			* 11.898329	45.44	ADR	38.7	-45.3	0.31	39.15	54	-14.85	-	-	0	101	H
			* 11.882899	57.73	PK-U	38.7	-45.2	0	51.23	-	-	74	-22.77	0	101	V
			* 11.90237	45.58	ADR	38.8	-45.01	0.31	39.68	54	-14.32	-	-	0	101	V
	5203	6 + 5	2.605639	60.26	PK-U	32.4	-48.7	0	43.96	-	-	68.2	-24.24	0	200	H
			2.590446	66.19	PK-U	32.4	-48.8	0	49.79	-	-	68.2	-18.41	0	200	V
			10.40613	56.75	PK-U	37.8	-44.8	0	49.75	-	-	68.2	-18.45	0	200	H
			10.418722	56.49	PK-U	37.8	-44.7	0	49.59	-	-	68.2	-18.61	0	200	V
			15.282995	53.35	PK-U	40.6	-40.8	0	53.15	-	-	68.2	-15.05	0	200	H
			15.287049	53.4	PK-U	40.6	-40.8	0	53.2	-	-	68.2	-15	0	101	V
	5245	6 + 5	2.639751	44.1	PK-U	32.4	-26	0	50.5	-	-	68.2	-17.7	0	100	H
			2.60727	43.86	PK-U	32.5	-26.12	0	50.24	-	-	68.2	-17.96	0	201	V
			10.490977	57.27	PK-U	37.6	-45.38	0	49.49	-	-	68.2	-18.71	0	100	H
			10.500135	57.35	PK-U	37.6	-45.56	0	49.39	-	-	68.2	-18.81	0	201	V
			* 15.7434	56.71	PK-U	40.4	-43.18	0	53.93	-	-	74	-20.07	0	100	H
			* 15.721969	44.56	ADR	40.3	-42.93	0.31	42.24	54	-11.76	-	-	0	100	H
			* 15.73422	56.4	PK-U	40.4	-43.07	0	53.73	-	-	74	-20.27	0	200	V
			* 15.733411	44.52	ADR	40.4	-43.05	0.31	42.18	54	-11.82	-	-	0	200	V
	5162	6 + 5	1.954164	62.14	PK-U	31.7	-49.97	0	43.87	-	-	68.2	-24.33	0	200	V
			1.96024	62.06	PK-U	31.8	-49.82	0	44.04	-	-	68.2	-24.16	0	200	H
			2.949515	60.49	PK-U	32.8	-49.05	0	44.24	-	-	68.2	-23.96	0	101	V
			2.952573	60.69	PK-U	32.8	-49.46	0	44.03	-	-	68.2	-24.17	0	200	H
			* 12.670058	57.87	PK-U	39.1	-45.31	0	51.66	-	-	74	-22.34	0	200	H
			* 12.689004	58.21	PK-U	39.1	-45.1	0	52.21	-	-	74	-21.79	0	101	V
			* 12.69832	46.47	ADR	39.1	-45.33	0.23	40.47	54	-13.53	-	-	0	101	V
			12.699111	46.41	ADR	39.1	-45.61	0.23	40.13	54	-13.87	-	-	0	200	H
	5203	6 + 5	1.964822	61.77	PK-U	31.8	-50.1	0	43.47	-	-	68.2	-24.73	0	101	H
			1.960486	62.1	PK-U	31.8	-49.85	0	44.05	-	-	68.2	-24.15	0	101	V
			3.083662	59.07	PK-U	33.1	-48.97	0	43.2	-	-	68.2	-25	0	200	H
			3.072463	59.41	PK-U	33.1	-48.66	0	43.85	-	-	68.2	-24.35	0	101	V
			10.379362	60.14	PK-U	37.5	-47.8	0	49.84	-	-	68.2	-18.36	0	199	H
			10.376815	60.32	PK-U	37.5	-47.83	0	49.99	-	-	68.2	-18.21	0	199	V
	5245	6 + 5	1.854667	58.15	PK-U	30.6	-46.33	0	42.42	-	-	68.2	-25.78	360	101	H
			1.859455	58.14	PK-U	30.6	-46.33	0	42.41	-	-	68.2	-25.79	360	101	V
			3.102678	57.79	PK-U	33.1	-45.92	0	44.97	-	-	68.2	-23.23	360	101	H
			3.096205	56.28	PK-U	33.1	-45.96	0	43.42	-	-	68.2	-24.78	360	200	V
			13.895965	54.81	PK-U	39.1	-41.88	0	52.03	-	-	68.2	-16.17	360	101	H
			13.903059	54.46	PK-U	39.1	-41.84	0	51.72	-	-	68.2	-16.48	360	101	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

**WORST-CASE HARMONICS AND SPURIOUS EMISSIONS
STATE A - MIMO TXBF – HDRPM12 - High Power - 5162 MHz**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200765 ACF (dBm)	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
1	2.595346	60.2	PK-U	32.4	0	-49.52	43.08	-	-	68.2	-25.12	0	100	H		
2	2.590346	60.61	PK-U	32.4	0	-49.46	43.56	-	-	68.2	-24.65	0	201	V		
3	10.339593	57.74	PK-U	37.9	0	-46.19	49.45	-	-	68.2	-18.75	0	100	H		
4	10.33906	57.94	PK-U	37.9	0	-46.2	49.64	-	-	68.2	-18.56	0	201	V		
5	*15.535385	56.61	PK-U	41	0	-43.02	54.59	-	-	74	-19.41	0	100	H		
	*15.525127	44.31	ADR	41.1	.61	-43.11	42.91	54	-11.09	-	-	0	100	H		
	*15.50903	56.12	PK-U	41	0	-43.35	53.77	-	-	74	-20.23	0	200	V		
6	*15.513016	44.2	ADR	41	.61	-43.29	42.52	54	-11.48	-	-	0	200	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

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

UNII-3 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Fitr/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	5.725	-49.71	Pk	34.9	11.8	-36.62	0	-39.63	27	-66.63	335	254	H
			5.64035	-47.92	Pk	34.8	11.8	-36.85	0	-38.17	-27	-11.17	335	254	H
			5.725	-49.41	Pk	34.9	11.8	-36.62	0	-39.33	27	-66.33	353	110	V
			5.63935	-48.22	Pk	34.8	11.8	-36.86	0	-38.48	-27	-11.48	353	110	V
		5	5.63985	-47.51	Pk	34.2	11.8	-37.8	0	-39.31	-27	-12.31	17	235	H
			5.725	-47.88	Pk	34.4	11.8	-37.6	0	-39.28	27	-66.28	17	235	H
			5.63905	-47.78	Pk	34.2	11.8	-37.8	0	-39.58	-27	-12.58	52	151	V
			5.725	-49.89	Pk	34.4	11.8	-37.6	0	-41.29	27	-68.29	52	151	V
	5844	6	5.85	-49.19	Pk	34.7	11.8	-37.3	0	-39.99	27	-66.99	334	352	H
			5.95275	-47.61	Pk	35	11.8	-37.1	0	-37.91	-27	-10.91	334	352	H
			5.85	-48.97	Pk	34.7	11.8	-37.3	0	-39.77	27	-66.77	349	104	V
			5.99695	-47.91	Pk	35.1	11.8	-37	0	-38.01	-27	-11.01	349	104	V
		5	5.85	-48.33	Pk	34.7	11.8	-37.3	0	-39.13	27	-66.13	31	204	H
			5.953425	-47.43	Pk	35	11.8	-37.1	0	-37.73	-27	-10.73	31	204	H
			5.85	-49.98	Pk	34.7	11.8	-37.3	0	-40.78	27	-67.78	50	138	V
			5.9711	-47.96	Pk	35.1	11.8	-37.01	0	-38.07	-27	-11.07	50	138	V
LE1M	5733	6	5.725	-50.05	Pk	34.9	11.8	-36.82	0	-40.17	27	-67.17	292	396	H
			5.632917	-48.25	Pk	34.8	11.8	-36.9	0	-38.55	-27	-11.55	292	396	H
			5.725	-49.45	Pk	34.9	11.8	-36.82	0	-39.57	27	-66.57	338	105	V
			5.64185	-48.82	Pk	34.8	11.8	-36.91	0	-39.13	-27	-12.13	338	105	V
		5	5.631833	-47.49	Pk	34.2	11.8	-37.8	0	-39.29	-27	-12.29	5	230	H
			5.725	-47.99	Pk	34.4	11.8	-37.6	0	-39.39	27	-66.39	5	230	H
			5.6437	-47.23	Pk	34.2	11.8	-37.8	0	-39.03	-27	-12.03	52	158	V
			5.725	-48.8	Pk	34.4	11.8	-37.6	0	-40.2	27	-67.2	52	158	V
	5844	6	5.85	-49.15	Pk	34.7	11.8	-37.3	0	-39.95	27	-66.95	334	354	H
			5.976025	-47.81	Pk	35.1	11.8	-37.1	0	-38.01	-27	-11.01	334	354	H
			5.85	-49.99	Pk	34.7	11.8	-37.3	0	-40.79	27	-67.79	345	348	V
			5.986	-47.66	Pk	35.1	11.8	-37	0	-37.76	-27	-10.76	345	348	V
		5	5.85	-45.42	Pk	34.7	11.8	-37.3	0	-36.22	27	-63.22	30	208	H
			5.950825	-47.19	Pk	35	11.8	-37.1	0	-37.49	-27	-10.49	30	208	H
			5.85	-48.67	Pk	34.7	11.8	-37.3	0	-39.47	27	-66.47	57	125	V
			5.977	-47.93	Pk	35.1	11.8	-37	0	-38.03	-27	-11.03	57	125	V
LE2M	5733	6	5.725	-50.64	Pk	34.9	11.8	-36.82	0	-40.76	27	-67.76	289	396	H
			5.64665	-48.22	Pk	34.8	11.8	-36.88	0	-38.5	-27	-11.5	289	396	H
			5.725	-50.11	Pk	34.9	11.8	-36.82	0	-40.23	27	-67.23	335	103	V
			5.650117	-48.02	Pk	34.8	11.8	-36.88	0	-38.3	-26.91	-11.39	335	103	V
		5	5.639634	-46.77	Pk	34.2	11.8	-37.8	0	-38.57	-27	-11.57	8	107	H
			5.725	-47.23	Pk	34.4	11.8	-37.6	0	-38.63	27	-65.63	8	107	H
			5.637134	-47.78	Pk	34.2	11.8	-37.8	0	-39.58	-27	-12.58	46	109	V
			5.725	-49.96	Pk	34.4	11.8	-37.6	0	-41.36	27	-68.36	46	109	V
	5844	6	5.85	-47.67	Pk	34.7	11.8	-37.3	0	-38.47	27	-65.47	338	335	H
			5.9915	-48	Pk	35.1	11.8	-37	0	-38.1	-27	-11.1	338	335	H
			5.85	-49.82	Pk	34.7	11.8	-37.3	0	-40.62	27	-67.62	345	350	V
			5.981175	-48.34	Pk	35.1	11.8	-37	0	-38.44	-27	-11.44	345	350	V
		5	5.85	-46.56	Pk	34.7	11.8	-37.3	0	-37.36	27	-64.36	32	216	H
			5.9784	-47.42	Pk	35.1	11.8	-37	0	-37.52	-27	-10.52	32	216	H
			5.85	-49.79	Pk	34.7	11.8	-37.3	0	-40.59	27	-67.59	55	107	V
			5.9612	-47.34	Pk	35	11.8	-37.1	0	-37.64	-27	-10.64	55	107	V

Pk - Peak detector

UNII-3 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DCCF (dB)	Conversion Factor (dB)	Correct Reading EIRP (dBm)	Pk Limit (dBm)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDT2	5733	6	5.725	-48.05	Pk	34.9	-36.62	0	11.8	-37.97	27	-64.97	308	113	H
			5.643784	-47.22	Pk	34.8	-36.88	0	11.8	-37.5	-27	-10.5	308	113	H
			5.725	-49.48	Pk	34.9	-36.62	0	11.8	-39.4	27	-66.4	8	118	V
		5	5.647034	-48.38	Pk	34.8	-36.87	0	11.8	-38.65	-27	-11.65	8	118	V
			5.725	-47.94	Pk	34.8	11.8	0	-36.54	-37.88	27	-64.88	319	237	H
			5.649467	-47.91	Pk	34.6	11.8	0	-36.63	-38.14	-27	-11.14	319	237	H
	5844	6	5.725	-50.38	Pk	34.8	11.8	0	-36.54	-40.32	27	-67.32	358	206	V
			5.648617	-49.09	Pk	34.6	11.8	0	-36.62	-39.31	-27	-12.31	358	206	V
			5.85	-45.36	Pk	34.7	-37.3	0	11.8	-36.16	27	-63.16	333	319	H
		5	5.92775	-47.6	Pk	35	-37.1	0	11.8	-37.9	-27	-10.9	333	319	H
			5.85	-47.25	Pk	34.7	-37.3	0	11.8	-38.05	27	-65.05	345	351	V
			5.961525	-47.76	Pk	35	-37.1	0	11.8	-38.06	-27	-11.06	345	351	V
		6	5.85	-41.88	Pk	34.7	-37.3	0	11.8	-32.68	27	-59.68	6	103	H
			5.9399	-47.48	Pk	35	-37.1	0	11.8	-37.78	-27	-10.78	6	103	H
			5.85	-45.68	Pk	34.7	-37.3	0	11.8	-36.48	27	-63.48	52	160	V
		5	5.932225	-47.37	Pk	35	-37.1	0	11.8	-37.67	-27	-10.67	52	160	V
			5.725	-50.36	Pk	34.9	-36.62	0	11.8	-40.28	27	-67.28	327	275	H
XHDRPS2	5733	6	5.642984	-48.28	Pk	34.8	-36.83	0	11.8	-38.51	-27	-11.51	327	275	H
			5.725	-50.09	Pk	34.9	-36.62	0	11.8	-40.01	27	-67.01	329	103	V
			5.632683	-48.15	Pk	34.8	-36.85	0	11.8	-38.4	-27	-11.4	329	103	V
		5	5.725	-51	Pk	34.9	-30.7	0	11.8	-35	27	-62	318	151	H
			5.6393	-50.13	Pk	34.7	-30.91	0	11.8	-34.54	-27	-7.54	318	151	H
			5.725	-52.83	Pk	34.9	-30.7	0	11.8	-36.83	27	-63.83	359	115	V
	5844	6	5.628367	-50.38	Pk	34.7	-30.85	0	11.8	-34.73	-27	-7.73	359	115	V
			5.85	-48.77	Pk	35.3	11.8	0	-36.69	-38.36	27	-65.36	324	126	H
			5.99975	-48.09	Pk	35.6	11.8	0	-36.61	-37.3	-27	-10.3	324	126	H
		5	5.85	-49.74	Pk	35.3	11.8	0	-36.69	-39.33	27	-66.33	320	133	V
			5.94205	-47.81	Pk	35.5	11.8	0	-36.67	-37.18	-27	-10.18	320	133	V
			5.85	-45.41	Pk	34.7	-37.3	0	11.8	-36.21	27	-63.21	19	223	H
		6	5.99775	-47.38	Pk	35.1	-37	0	11.8	-37.48	-27	-10.48	19	223	H
			5.85	-47.72	Pk	34.7	-37.3	0	11.8	-38.52	27	-65.52	48	115	V
			5.982525	-47.24	Pk	35.1	-37	0	11.8	-37.34	-27	-10.34	48	115	V
HDRPM8	5733	6	5.725	-43.03	Pk	34.9	-36.62	0	11.8	-32.95	27	-59.95	300	331	H
			5.6437	-47.44	Pk	34.8	-36.88	0	11.8	-37.72	-27	-10.72	300	331	H
			5.725	-43.24	Pk	34.9	-36.62	0	11.8	-33.16	27	-60.16	341	104	V
		5	5.6353	-48.39	Pk	34.8	-36.83	0	11.8	-38.62	-27	-11.62	341	104	V
			5.725	-43.96	Pk	34.9	-30.7	0	11.8	-27.96	27	-54.96	145	106	H
			5.6481	-50.02	Pk	34.7	-30.93	0	11.8	-34.45	-27	-7.45	145	106	H
	5844	6	5.725	-47.4	Pk	34.9	-30.7	0	11.8	-31.4	27	-58.4	188	123	V
			5.627767	-49.65	Pk	34.7	-30.87	0	11.8	-34.02	-27	-7.02	188	123	V
		5	5.85	-38.96	Pk	35.3	11.8	0	-36.69	-28.55	27	-55.55	322	124	H
			5.9697	-48.5	Pk	35.6	11.8	0	-36.63	-37.73	-27	-10.73	322	124	H
			5.85	-38.47	Pk	35.3	11.8	0	-36.69	-28.06	27	-55.06	332	134	V
		6	5.96455	-48.64	Pk	35.6	11.8	0	-36.63	-37.87	-27	-10.87	332	134	V
			5.85	-38.25	Pk	35.2	-30.66	0	11.8	-21.91	27	-48.91	157	215	H
			5.972025	-49.77	Pk	35.4	-30.53	0	11.8	-33.1	-27	-6.1	157	215	H
		5	5.85	-42.79	Pk	35.2	-30.66	0	11.8	-26.45	27	-53.45	184	117	V
			5.9875	-49.93	Pk	35.4	-30.4	0	11.8	-33.13	-27	-6.13	184	117	V
HDRPL8	5733	6	5.725	-35.78	Pk	34.9	-36.62	0	11.8	-25.7	27	-52.7	307	309	H
			5.648934	-47.76	Pk	34.8	-36.9	0	11.8	-38.06	-27	-11.06	307	309	H
			5.725	-36.03	Pk	34.9	-36.62	0	11.8	-25.95	27	-52.95	348	138	V
		5	5.634484	-47.87	Pk	34.8	-36.84	0	11.8	-38.11	-27	-11.11	348	138	V
			5.725	-33.81	Pk	34.9	-30.7	0	11.8	-17.81	27	-44.81	136	113	H
			5.634317	-49.76	Pk	34.7	-30.92	0	11.8	-34.18	-27	-7.18	136	113	H
	5844	6	5.725	-38.86	Pk	34.9	-30.7	0	11.8	-22.86	27	-49.86	192	104	V
			5.626267	-50.45	Pk	34.7	-30.91	0	11.8	-34.86	-27	-7.86	192	104	V
			5.85	-20.56	Pk	35.3	11.8	0	-36.69	-10.15	27	-37.15	284	109	H
		5	5.99285	-48.27	Pk	35.6	11.8	0	-36.61	-37.48	-27	-10.48	284	109	H
			5.85	-19.76	Pk	35.3	11.8	0	-36.69	-9.35	27	-36.35	339	104	V
			5.956525	-48.28	Pk	35.5	11.8	0	-36.67	-37.65	-27	-10.65	339	104	V
		6	5.85	-20.68	Pk	35.2	-30.66	0	11.8	-4.34	27	-31.34	135	192	H
			5.998975	-49.74	Pk	35.4	-30.36	0	11.8	-32.9	-27	-5.9	135	192	H
			5.85	-25.53	Pk	35.2	-30.66	0	11.8	-9.19	27	-36.19	185	123	V
		5	5.978275	-49.99	Pk	35.4	-30.47	0	11.8	-33.26	-27	-6.26	185	123	V

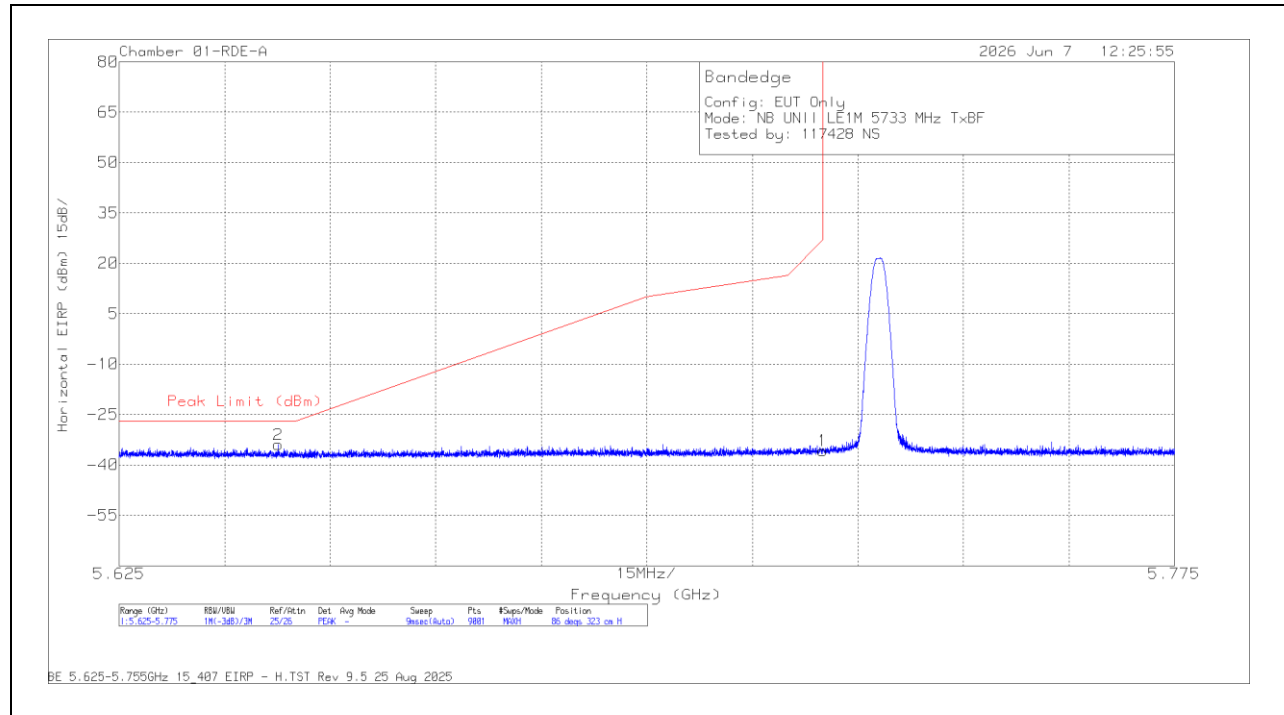
Pk - Peak detector

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

UNII-3 (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Converso n Factor (dB)	Correct Reading EIRP (dBm)	Pk Limit (dBm)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	
BDR	5733	6 + 5	5.725	-51.74	Pk	34.9	-30.7	0	11.8	-35.74	27	-62.74	91	374	H	
			5.63095	-49.89	Pk	34.7	-30.84	0	11.8	-34.23	-27	-7.23	91	374	H	
			5.725	-51.91	Pk	34.9	-30.7	0	11.8	-35.91	27	-62.91	175	159	V	
	5844	6 + 5	5.637367	-50.08	Pk	34.7	-30.95	0	11.8	-34.53	-27	-7.53	175	159	V	
			5.85	-47.99	Pk	35.1	-36.22	0	11.8	-37.31	27	-64.31	193	185	H	
			5.99815	-48.64	Pk	35.3	-35.94	0	11.8	-37.48	-27	-10.48	193	185	H	
HDT2	5733	6 + 5	5.85	-49.06	Pk	35.1	-36.22	0	11.8	-38.38	27	-65.38	121	139	V	
			5.983775	-48.02	Pk	35.3	-35.89	0	11.8	-36.81	-27	-9.81	121	139	V	
			5.725	-49.06	Pk	34.7	11.8	0	-31.75	-34.31	27	-61.31	358	374	H	
			5.63515	-49.6	Pk	34.7	11.8	0	-31.88	-34.98	-27	-7.98	358	374	H	
	5844	6 + 5	5.725	-51.78	Pk	34.7	11.8	0	-31.75	-37.03	27	-64.03	320	294	V	
			5.64765	-50.33	Pk	34.7	11.8	0	-31.82	-35.65	-27	-8.65	320	294	V	
			5.85	-42.67	Pk	35.1	-36.22	0	11.8	-31.99	27	-58.99	207	305	H	
			5.98255	-48.66	Pk	35.3	-35.92	0	11.8	-37.48	-27	-10.48	207	305	H	
	LE1M	5733	6 + 5	5.85	-46.5	Pk	35.1	-36.22	0	11.8	-35.82	27	-62.82	258	127	V
				5.995225	-48.35	Pk	35.3	-35.95	0	11.8	-37.2	-27	-10.2	258	127	V
				5.725	-51.78	Pk	34.9	-30.7	0	11.8	-35.78	27	-62.78	86	323	H
				5.647567	-49.56	Pk	34.7	-30.93	0	11.8	-33.99	-27	-6.99	86	323	H
5844		6 + 5	5.725	-51.83	Pk	34.9	-30.7	0	11.8	-35.83	27	-62.83	188	164	V	
			5.63995	-50.22	Pk	34.7	-30.87	0	11.8	-34.59	-27	-7.59	188	164	V	
			5.85	-47.41	Pk	35.1	-36.22	0	11.8	-36.73	27	-63.73	130	219	H	
			5.985175	-48.37	Pk	35.3	-35.92	0	11.8	-37.19	-27	-10.19	130	219	H	
LE2M	5733	6 + 5	5.85	-50.2	Pk	35.1	-36.22	0	11.8	-39.52	27	-66.52	178	103	V	
			5.997175	-48.3	Pk	35.3	-35.91	0	11.8	-37.11	-27	-10.11	178	103	V	
			5.725	-51.03	Pk	34.9	-30.7	0	11.8	-35.03	27	-62.03	141	344	H	
			5.637467	-50	Pk	34.7	-30.95	0	11.8	-34.45	-27	-7.45	141	344	H	
	5844	6 + 5	5.725	-52.23	Pk	34.9	-30.7	0	11.8	-36.23	27	-63.23	172	131	V	
			5.641317	-50.02	Pk	34.7	-30.87	0	11.8	-34.39	-27	-7.39	172	131	V	
			5.85	-48.05	Pk	35	11.8	0	-31.62	-32.87	27	-59.87	23	353	H	
			5.999225	-49.71	Pk	35.3	11.8	0	-31.3	-33.91	-27	-6.91	23	353	H	
	XHDRPS2	5733	6 + 5	5.85	-51.54	Pk	35	11.8	0	-31.62	-36.36	27	-63.36	320	308	V
				5.98205	-50.09	Pk	35.3	11.8	0	-31.31	-34.3	-27	-7.3	320	308	V
				5.725	-50.94	Pk	34.7	11.8	0	-31.75	-36.19	27	-63.19	336	354	H
				5.6271	-49.83	Pk	34.7	11.8	0	-31.9	-35.23	-27	-8.23	336	354	H
5844		6 + 5	5.725	-51.89	Pk	34.7	11.8	0	-31.75	-37.14	27	-64.14	323	284	V	
			5.634184	-50.47	Pk	34.7	11.8	0	-31.88	-35.85	-27	-8.85	323	284	V	
			5.85	-47.84	Pk	35	11.8	0	-31.62	-32.66	27	-59.66	352	377	H	
			5.933275	-48.72	Pk	35.3	11.8	0	-31.39	-33.01	-27	-6.01	352	377	H	
HDRPM8	5733	6 + 5	5.85	-51.09	Pk	35	11.8	0	-31.62	-35.91	27	-62.91	331	381	V	
			5.935125	-50.04	Pk	35.3	11.8	0	-31.39	-34.33	-27	-7.33	331	381	V	
			5.725	-59.96	Pk	34.5	-17	0	11.8	-30.66	27	-57.66	86	133	H	
			5.635651	-66.29	Pk	34.3	-17.1	0	11.8	-37.29	-27	-10.29	86	133	H	
	5844	6 + 5	5.725	-60.24	Pk	34.5	-17	0	11.8	-30.94	27	-57.94	10	135	V	
			5.649396	-67.05	Pk	34.3	-17.1	0	11.8	-38.05	-27	-11.05	10	135	V	
			5.85	-56.21	Pk	34.9	-16	0	11.8	-25.51	27	-52.51	27	273	H	
			5.991256	-66.68	Pk	35.2	-16.1	0	11.8	-35.78	-27	-8.78	27	273	H	
	HDRPL8	5733	6 + 5	5.85	-57.68	Pk	34.9	-16	0	11.8	-26.98	27	-53.98	59	166	V
				5.928134	-67.05	Pk	35.1	-15.9	0	11.8	-36.05	-27	-9.05	59	166	V
				5.725	-53.93	Pk	34.5	-17	0	11.8	-24.63	27	-51.63	89	110	H
				5.642983	-67.44	Pk	34.3	-17.1	0	11.8	-38.44	-27	-11.44	89	110	H
5844		6 + 5	5.725	-52.71	Pk	34.5	-17	0	11.8	-23.41	27	-50.41	358	148	V	
			5.64784	-67.44	Pk	34.3	-17.1	0	11.8	-38.44	-27	-11.44	358	148	V	
			5.85	-17.19	Pk	35	11.8	0	-31.62	-2.01	27	-29.01	0	376	H	
			5.928275	-49.22	Pk	35.3	11.8	0	-31.42	-33.54	-27	-6.54	0	376	H	
			5.85	-25.47	Pk	35	11.8	0	-31.62	-10.29	27	-37.29	331	355	V	
			5.983575	-49.7	Pk	35.3	11.8	0	-31.33	-33.93	-27	-6.93	331	355	V	

Pk - Peak detector

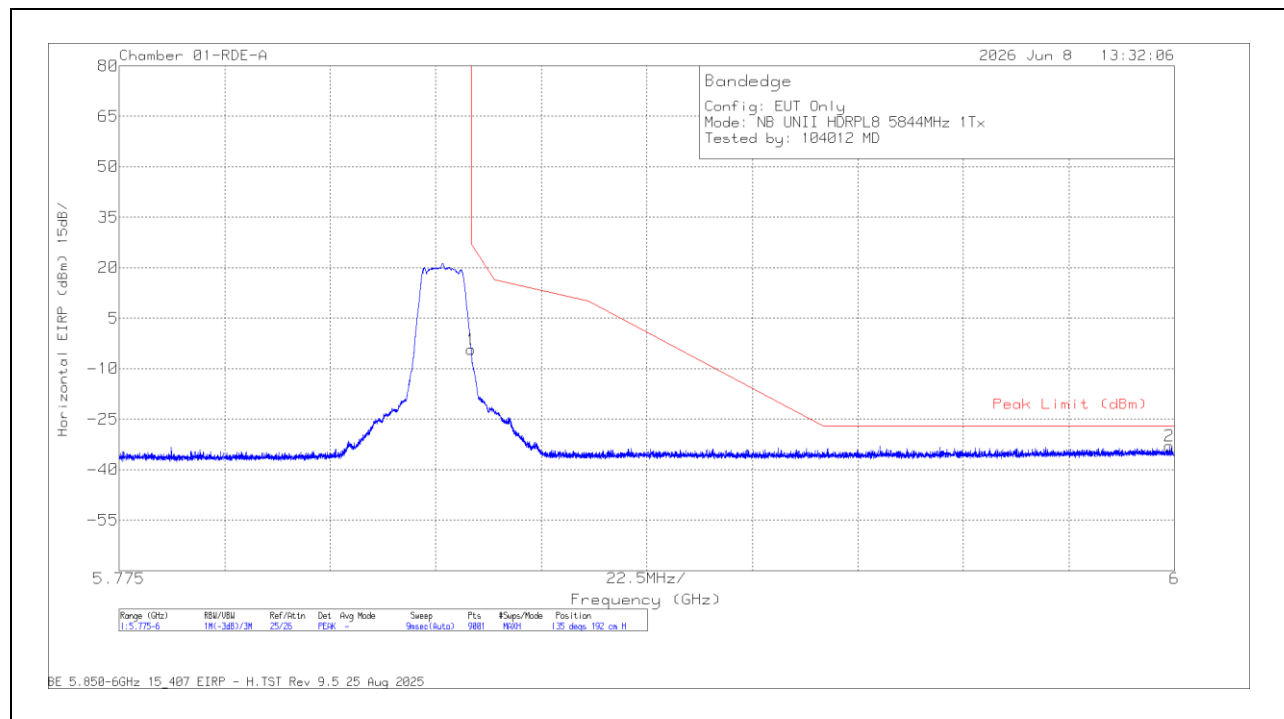
WORST-CASE LOW BANDEDGE **STATE A - MIMO TXBF – LE1M - High Power – 5733MHz – Horizontal**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	200785 ACF (dB/m)	Gain/Loss (dB)	DCCF (dB)	Conversion Factor (dB)	Gain/Loss (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-51.78	Pk	34.9	-30.7	0	11.8	-30.7	-35.78	27	-62.78	86	323	H
2	5.647567	-49.56	Pk	34.7	-30.93	0	11.8	-30.93	-33.99	-27	-6.99	86	323	H

Pk - Peak detector

WORST-CASE HIGH BANDEDGE **STATE A - SISO Ant 5 / HDRPL8 - High Power – 5844MHz – Horizontal**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	200785 ACF (dB/m)	Gain/Loss (dB)	DCCF (dB)	Conversion Factor (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-20.68	Pk	35.2	-30.66	0	11.8	-4.34	27	-31.34	135	192	H
2	5.998975	-49.74	Pk	35.4	-30.36	0	11.8	-32.9	-27	-5.9	135	192	H

Pk - Peak detector

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

UNII-3 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cb/ 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	* 9.002056	42.63	ADR	36.2	-44.46	1.15	35.52	54	-18.48	-	-	360	200	H
			* 9.00678	55.06	PK-U	36.2	-44.39	0	46.87	-	-	74	-27.13	360	200	H
			8.994902	54.54	PK-U	36.2	-44.53	0	46.21	-	-	68.2	-21.99	360	101	V
			* 11.466173	40.16	ADR	38.1	-42.61	1.15	36.8	54	-17.2	-	-	360	101	H
			* 11.466399	52.47	PK-U	38.1	-42.59	0	47.98	-	-	74	-26.02	360	101	H
			* 11.453054	40.03	ADR	38	-42.51	1.15	36.67	54	-17.33	-	-	360	101	V
			* 11.459872	51.89	PK-U	38.1	-42.53	0	47.46	-	-	74	-26.54	360	101	V
			17.212494	48	PK-U	41.7	-39.52	0	50.18	-	-	68.2	-18.02	360	101	H
			17.227252	47.87	PK-U	41.6	-39.65	0	49.82	-	-	68.2	-18.38	360	101	V
			8.999271	55.16	PK-U	36.2	-44.51	0	46.85	-	-	68.2	-21.35	360	101	H
			8.996416	54.49	PK-U	36.2	-44.55	0	46.14	-	-	68.2	-22.06	360	101	V
			* 11.5567	51.84	PK-U	38.2	-42.35	0	47.69	-	-	74	-26.31	360	101	H
	5788	6 + 5	* 11.575714	39.97	ADR	38.2	-42.41	1.15	36.91	54	-17.09	-	-	360	101	H
			* 11.560135	51.87	PK-U	38.2	-42.35	0	47.72	-	-	74	-26.28	360	200	V
			* 11.596211	39.65	ADR	38.2	-42.39	1.15	36.61	54	-17.39	-	-	360	200	V
			17.363819	46.54	PK-U	41.6	-38.9	0	49.24	-	-	68.2	-18.96	360	200	H
			17.357407	47.01	PK-U	41.6	-38.97	0	49.64	-	-	68.2	-18.56	360	200	V
			8.970133	54.86	PK-U	36.2	-44.51	0	46.55	-	-	68.2	-21.65	360	101	V
			8.988058	54.56	PK-U	36.2	-44.47	0	46.29	-	-	68.2	-21.91	360	101	H
			* 11.688466	40.6	ADR	38.4	-42.51	1.15	37.64	54	-16.36	-	-	360	200	H
			* 11.699941	52.83	PK-U	38.4	-42.47	0	48.76	-	-	74	-25.24	360	200	H
			* 11.707509	52.93	PK-U	38.4	-42.33	0	49	-	-	74	-25	360	200	V
			* 11.709798	40.22	ADR	38.4	-42.36	1.15	37.41	54	-16.59	-	-	360	200	V
			17.531566	46.64	PK-U	41.9	-38.32	0	50.22	-	-	68.2	-17.98	360	101	H
	5844	6 + 5	17.532143	46.51	PK-U	41.9	-38.33	0	50.08	-	-	68.2	-18.12	360	200	V
			* 3.795288	57.16	PK-U	33.3	-46.91	0	43.55	-	-	74	-30.45	360	200	H
			* 3.802515	45.41	ADR	33.3	-47.06	0.72	32.37	54	-21.63	-	-	360	200	H
			* 3.810502	45.66	ADR	33.3	-47.35	0.72	32.33	54	-21.67	-	-	360	101	V
			* 3.814908	57.84	PK-U	33.4	-47.41	0	43.83	-	-	74	-30.17	360	101	V
			8.927299	54.03	PK-U	36.2	-43.91	0	46.32	-	-	68.2	-21.88	360	101	H
			8.93651	55.06	PK-U	36.2	-44.28	0	46.98	-	-	68.2	-21.22	360	101	V
			17.640042	46.07	PK-U	42	-35.64	0	52.43	-	-	68.2	-15.77	360	200	H
			17.657447	46.34	PK-U	42	-35.82	0	52.52	-	-	68.2	-15.68	360	200	V
	LE1M		2.406202	60.05	PK-U	32.2	-50.07	0	42.18	-	-	68.2	-26.02	360	200	V
			2.40697	60.34	PK-U	32.2	-50.08	0	42.46	-	-	68.2	-25.74	360	200	H
			10.322651	55.42	PK-U	37.5	-45.05	0	47.87	-	-	68.2	-20.33	360	200	V
			10.32349	55.37	PK-U	37.5	-45.04	0	47.83	-	-	68.2	-20.37	360	101	H
			17.63451	46.17	PK-U	42	-35.83	0	52.34	-	-	68.2	-15.86	360	199	H
			17.638145	46.32	PK-U	42	-35.69	0	52.63	-	-	68.2	-15.57	360	200	V
			3.036177	58.34	PK-U	32.9	-47.64	0	43.6	-	-	68.2	-24.6	360	101	H
			3.057884	58.25	PK-U	32.9	-47.74	0	43.41	-	-	68.2	-24.79	360	200	V
			* 9.466358	55.41	PK-U	36.7	-44.93	0	47.18	-	-	74	-26.82	360	101	H
	5844	6 + 5	* 9.467696	43.74	ADR	36.7	-44.91	0.72	36.25	54	-17.75	-	-	360	101	H
			* 9.431447	55.17	PK-U	36.6	-45.06	0	46.71	-	-	74	-27.29	360	101	V
			* 9.451723	43.93	ADR	36.7	-44.62	0.72	36.73	54	-17.27	-	-	360	101	V
			16.844993	49.19	PK-U	42.1	-39.9	0	51.39	-	-	68.2	-16.81	360	101	H
			16.858175	48.44	PK-U	42.1	-39.51	0	51.03	-	-	68.2	-17.17	360	101	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

UNII-3 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/F ltr/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	* 1.223088	62.01	PK-U	28.8	-50.32	0	40.49	-	-	74	-33.51	360	100	H
			* 1.227635	50.16	ADR	28.8	-50.29	2.49	31.16	54	-22.84	-	-	360	100	H
			* 1.224635	61.78	PK-U	28.8	-50.29	0	40.29	-	-	74	-33.71	360	201	V
			* 1.226875	50.37	ADR	28.8	-50.3	2.49	31.36	54	-22.64	-	-	360	201	V
			* 3.755249	57.86	PK-U	33.6	-47.43	0	44.03	-	-	74	-29.97	360	100	H
			* 3.744889	46.15	ADR	33.6	-47.45	2.49	34.79	54	-19.21	-	-	360	100	H
			* 3.743002	57.92	PK-U	33.6	-47.47	0	44.05	-	-	74	-29.95	360	200	V
			* 3.741908	46.09	ADR	33.6	-47.48	2.49	34.7	54	-19.3	-	-	360	200	V
			* 12.031155	54.76	PK-U	39.4	-43.89	0	50.27	-	-	74	-23.73	360	100	H
			* 12.024035	43	ADR	39.4	-43.81	2.49	41.08	54	-12.92	-	-	360	100	H
			* 12.008374	55.25	PK-U	39.4	-43.84	0	50.81	-	-	74	-23.19	360	201	V
			* 12.012094	43.07	ADR	39.4	-43.83	2.49	41.13	54	-12.87	-	-	360	201	V
	5788	6 + 5	* 1.325677	50.34	ADR	29	-50.11	2.49	31.72	54	-22.29	-	-	0	100	V
			* 1.325851	50.15	ADR	29	-50.11	2.49	31.53	54	-22.47	-	-	0	100	H
			* 1.329964	62.06	PK-U	29	-50.07	0	40.99	-	-	74	-33.01	0	100	H
			* 1.330284	62.31	PK-U	29	-50.08	0	41.23	-	-	74	-32.77	0	100	V
			* 11.961003	42.84	ADR	39.4	-43.72	2.49	41.01	54	-12.99	-	-	0	100	H
			* 11.973966	42.95	ADR	39.4	-43.76	2.49	41.08	54	-12.92	-	-	0	201	V
			* 11.975646	54.82	PK-U	39.4	-43.74	0	50.48	-	-	74	-23.52	0	201	V
			* 11.980661	55.02	PK-U	39.4	-43.72	0	50.7	-	-	74	-23.3	0	100	H
			* 3.771367	45.77	ADR	33.7	-47.27	2.49	34.69	54	-19.31	-	-	0	100	V
			* 3.778607	58.72	PK-U	33.7	-47.25	0	45.17	-	-	74	-28.83	0	100	V
			* 3.782314	45.67	ADR	33.7	-47.24	2.49	34.62	54	-19.38	-	-	0	100	H
			* 3.794154	57.76	PK-U	33.7	-47.25	0	44.21	-	-	74	-29.79	0	100	H
	5844	6 + 5	* 1.225856	61.62	PK-U	28.8	-50.29	0	40.13	-	-	74	-33.87	360	100	H
			* 1.226202	50.12	ADR	28.8	-50.29	2.49	31.12	54	-22.88	-	-	360	100	H
			* 1.225902	61.69	PK-U	28.8	-50.29	0	40.2	-	-	74	-33.8	360	201	V
			* 1.228235	50.28	ADR	28.8	-50.28	2.49	31.29	54	-22.71	-	-	360	201	V
			* 3.783733	57.65	PK-U	33.7	-47.24	0	44.11	-	-	74	-29.89	360	100	H
			* 3.784866	45.66	ADR	33.7	-47.23	2.49	34.62	54	-19.38	-	-	360	100	H
			* 3.771811	58.76	PK-U	33.7	-47.26	0	45.2	-	-	74	-28.8	360	200	V
			* 3.780365	45.65	ADR	33.7	-47.25	2.49	34.59	54	-19.41	-	-	360	200	V
			* 11.952694	54.84	PK-U	39.4	-43.72	0	50.52	-	-	74	-23.48	360	100	H
			* 11.926757	42.78	ADR	39.4	-43.94	2.49	40.73	54	-13.27	-	-	360	100	H
			* 11.942891	55.25	PK-U	39.4	-43.84	0	50.81	-	-	74	-23.19	360	201	V
			* 11.934962	42.9	ADR	39.4	-43.86	2.49	40.93	54	-13.07	-	-	360	201	V
HDT2	5733	6 + 5	3.142726	58.2	PK-U	33	-47.95	0	43.25	-	-	68.2	-24.95	360	101	H
			3.152519	58.05	PK-U	33	-47.88	0	43.17	-	-	68.2	-25.03	360	200	V
			* 8.118263	55.27	PK-U	35.9	-44.8	0	46.37	-	-	74	-27.63	360	200	H
			* 8.11836	43.24	ADR	35.9	-44.84	0.16	34.46	54	-19.54	-	-	360	200	H
			* 8.111288	55.77	PK-U	35.9	-44.86	0	46.81	-	-	74	-27.19	360	200	V
			* 8.109919	43.33	ADR	35.9	-44.85	0.16	34.54	54	-19.46	-	-	360	200	V
			13.963766	52.47	PK-U	39.4	-42.65	0	49.22	-	-	68.2	-18.98	360	200	H
			13.941023	51.87	PK-U	39.4	-42.72	0	48.55	-	-	68.2	-19.65	360	101	V
	5788	6 + 5	* 2.876742	43.18	PK-U	32.5	-25.83	0	49.85	-	-	74	-24.15	360	100	H
			* 2.888759	31.33	ADR	32.5	-25.8	0.16	38.19	54	-15.81	-	-	360	100	H
			* 2.896042	43.28	PK-U	32.5	-25.69	0	50.09	-	-	74	-23.91	360	201	V
			* 2.894267	31.24	ADR	32.5	-25.81	0.16	38.09	54	-15.91	-	-	360	201	V
			* 11.612352	56.26	PK-U	38.4	-44.89	0	49.77	-	-	74	-24.23	360	100	H
			* 11.57984	44.25	ADR	38.4	-44.58	0.16	38.23	54	-15.77	-	-	360	100	H
			* 11.594303	55.86	PK-U	38.4	-44.9	0	49.36	-	-	74	-24.64	360	201	V
			* 11.613964	44.44	ADR	38.4	-44.93	0.16	38.07	54	-15.93	-	-	360	201	V
			17.37296	56.38	PK-U	40.5	-42.29	0	54.59	-	-	68.2	-13.61	360	100	H
			17.3764	56.25	PK-U	40.5	-42.31	0	54.44	-	-	68.2	-13.76	360	200	V
	5844	6 + 5	2.921454	43.65	PK-U	32.6	-25.76	0	50.49	-	-	68.2	-17.71	360	100	H
			2.902413	43.55	PK-U	32.5	-25.81	0	50.24	-	-	68.2	-17.96	360	201	V
			* 11.690555	56.41	PK-U	38.5	-44.84	0	50.07	-	-	74	-23.93	360	100	H
			* 11.687173	44.96	ADR	38.5	-44.88	0.16	38.74	54	-15.26	-	-	360	100	H
			* 11.677608	55.95	PK-U	38.5	-44.84	0	49.61	-	-	74	-24.39	360	201	V
			* 11.679699	44.46	ADR	38.5	-44.84	0.16	38.28	54	-15.72	-	-	360	201	V
			17.513288	55.75	PK-U	40.6	-41.5	0	54.85	-	-	68.2	-13.35	360	100	H
			17.531817	55.49	PK-U	40.7	-41.74	0	54.45	-	-	68.2	-13.75	360	200	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

UNII-3 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	DCCF (dB)	Amp/Cbl/ Filt/Pad (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
XHDRPS2	5733	6 + 5	3.04209	58.24	PK-U	32.9	0	-47.69	43.45	-	-	68.2	-24.75	0	200	H
			3.04489	58.77	PK-U	32.9	0	-47.68	43.99	-	-	68.2	-24.21	0	101	V
			* 8.244899	54.89	PK-U	35.9	0	-44.54	46.25	-	-	74	-27.75	0	199	H
			* 8.262992	43.04	ADR	36	0	-44.5	34.54	54	-19.46	-	-	0	199	H
			* 8.262489	54.9	PK-U	36	0	-44.48	46.42	-	-	74	-27.58	0	101	V
			* 8.258125	43.15	ADR	36	0	-44.49	34.66	54	-19.34	-	-	0	101	V
			13.617315	53.17	PK-U	39.3	0	-42.43	50.04	-	-	68.2	-18.16	0	199	H
	5788	6 + 5	13.612938	52.46	PK-U	39.3	0	-42.46	49.3	-	-	68.2	-18.9	0	199	V
			3.029	58.22	PK-U	32.9	0	-47.68	43.44	-	-	68.2	-24.76	0	101	H
			3.009867	58.57	PK-U	32.8	0	-48.03	43.34	-	-	68.2	-24.86	0	200	V
			* 8.047088	55.95	PK-U	35.9	0	-44.63	47.22	-	-	74	-26.78	0	200	H
			* 8.049737	43.71	ADR	35.9	0	-44.77	34.84	54	-19.16	-	-	0	200	H
			* 8.052633	55.64	PK-U	35.9	0	-44.82	46.72	-	-	74	-27.28	0	199	V
			* 8.049913	43.73	ADR	35.9	0	-44.77	34.86	54	-19.14	-	-	0	199	V
	5844	6 + 5	13.690882	52.48	PK-U	39.3	0	-42.47	49.31	-	-	68.2	-18.89	0	101	H
			13.695701	53.7	PK-U	39.3	0	-42.55	50.45	-	-	68.2	-17.75	0	199	V
			3.148011	58.36	PK-U	33	0	-47.88	43.48	-	-	68.2	-24.72	0	101	H
			3.120597	58.52	PK-U	33	0	-47.95	43.57	-	-	68.2	-24.63	0	101	V
			* 8.099208	55.78	PK-U	35.9	0	-44.71	46.97	-	-	74	-27.03	0	200	H
			* 8.092933	43.7	ADR	35.9	0	-44.8	34.8	54	-19.2	-	-	0	200	H
			* 8.092924	55.2	PK-U	35.9	0	-44.8	46.3	-	-	74	-27.7	0	200	V
HDRPM8	5733	6 + 5	* 8.106706	43.74	ADR	35.9	0	-44.83	34.81	54	-19.19	-	-	0	200	V
			13.928015	53.03	PK-U	39.4	0	-42.8	49.63	-	-	68.2	-18.57	0	200	H
			13.942939	52.21	PK-U	39.4	0	-42.74	48.87	-	-	68.2	-19.33	0	200	V
			* 1.425032	61.94	PK-U	28.6	0	-49.6	40.94	-	-	74	-33.06	360	198	H
			* 1.422645	50.54	ADR	28.6	0.31	-49.61	29.84	54	-24.16	-	-	360	198	H
			* 1.422978	62.37	PK-U	28.6	0	-49.51	41.46	-	-	74	-32.54	360	198	V
			* 1.419998	50.54	ADR	28.6	0.31	-49.6	29.85	54	-24.15	-	-	360	198	V
			* 2.671174	61.75	PK-U	32.6	0	-50.23	44.12	-	-	74	-29.88	360	101	H
			* 2.65972	49.6	ADR	32.6	0.31	-50.17	32.34	54	-21.66	-	-	360	101	H
			* 2.662671	61.3	PK-U	32.6	0	-49.8	44.1	-	-	74	-29.9	360	101	V
			* 2.664844	49.34	ADR	32.6	0.31	-49.75	32.5	54	-21.5	-	-	360	101	V
			* 11.460486	57.85	PK-U	38.2	0	-45.5	50.55	-	-	74	-23.45	360	199	H
			* 11.451362	46.08	ADR	38.2	0.31	-45.73	38.86	54	-15.14	-	-	360	199	H
			* 11.45579	57.76	PK-U	38.2	0	-45.34	50.62	-	-	74	-23.38	360	199	V
	5788	6 + 5	* 11.444648	46.11	ADR	38.2	0.31	-45.37	39.25	54	-14.75	-	-	360	199	V
			1.814467	58.88	PK-U	30.7	0	-47.59	41.99	-	-	68.2	-26.21	1	199	H
			1.810894	58.98	PK-U	30.7	0	-47.59	42.09	-	-	68.2	-26.11	1	199	V
			* 2.808245	57.77	PK-U	32.4	0	-46.43	43.74	-	-	74	-30.26	1	199	H
			* 2.799725	45.25	ADR	32.4	0.31	-46.42	31.54	54	-22.46	-	-	1	199	H
			* 2.801464	56.72	PK-U	32.4	0	-46.41	42.71	-	-	74	-31.29	1	101	V
			* 2.805811	45.32	ADR	32.4	0.31	-46.39	31.64	54	-22.36	-	-	1	101	V
			* 11.59314	54.81	PK-U	38.3	0	-42.75	50.36	-	-	74	-23.64	1	101	H
			* 11.574314	42.94	ADR	38.3	0.31	-42.44	39.11	54	-14.89	-	-	1	101	H
			* 11.58718	54.74	PK-U	38.3	0	-42.64	50.4	-	-	74	-23.6	1	200	V
			* 11.561224	42.93	ADR	38.3	0.31	-42.26	39.28	54	-14.72	-	-	1	200	V
			2.914949	59	PK-U	32.8	0	-48.47	43.33	-	-	68.2	-24.87	0	100	H
			2.941783	59.07	PK-U	32.9	0	-48.43	43.54	-	-	68.2	-24.66	0	201	V
	5844	6 + 5	* 11.683823	55.96	PK-U	39	0	-44.11	50.85	-	-	74	-23.15	0	100	H
			* 11.670006	44.33	ADR	39	0.31	-43.98	39.66	54	-14.34	-	-	0	100	H
			* 11.688783	56.49	PK-U	39	0	-44.11	51.38	-	-	74	-22.62	0	201	V
			* 11.686157	44.54	ADR	39	0.31	-44.11	39.74	54	-14.26	-	-	0	201	V
			17.545641	56.26	PK-U	42.1	0	-43.12	55.24	-	-	68.2	-12.96	0	100	H
			17.530201	56.41	PK-U	42.1	0	-43.24	55.27	-	-	68.2	-12.93	0	200	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

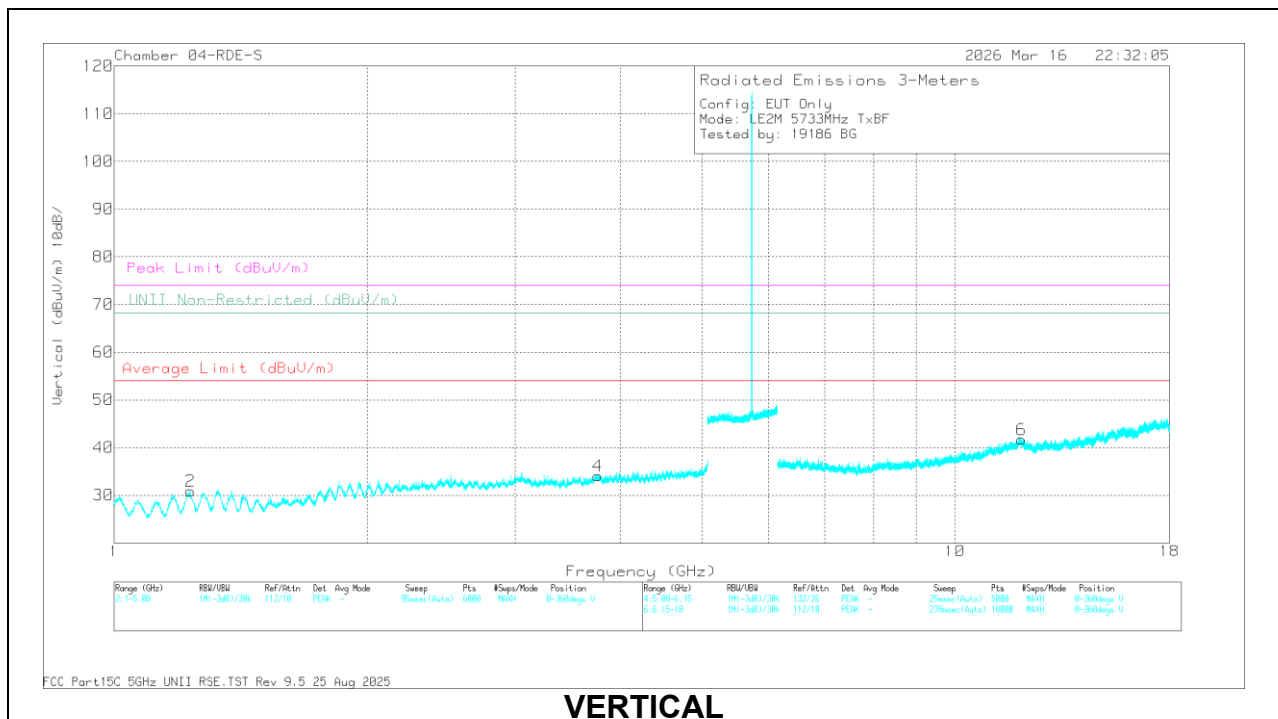
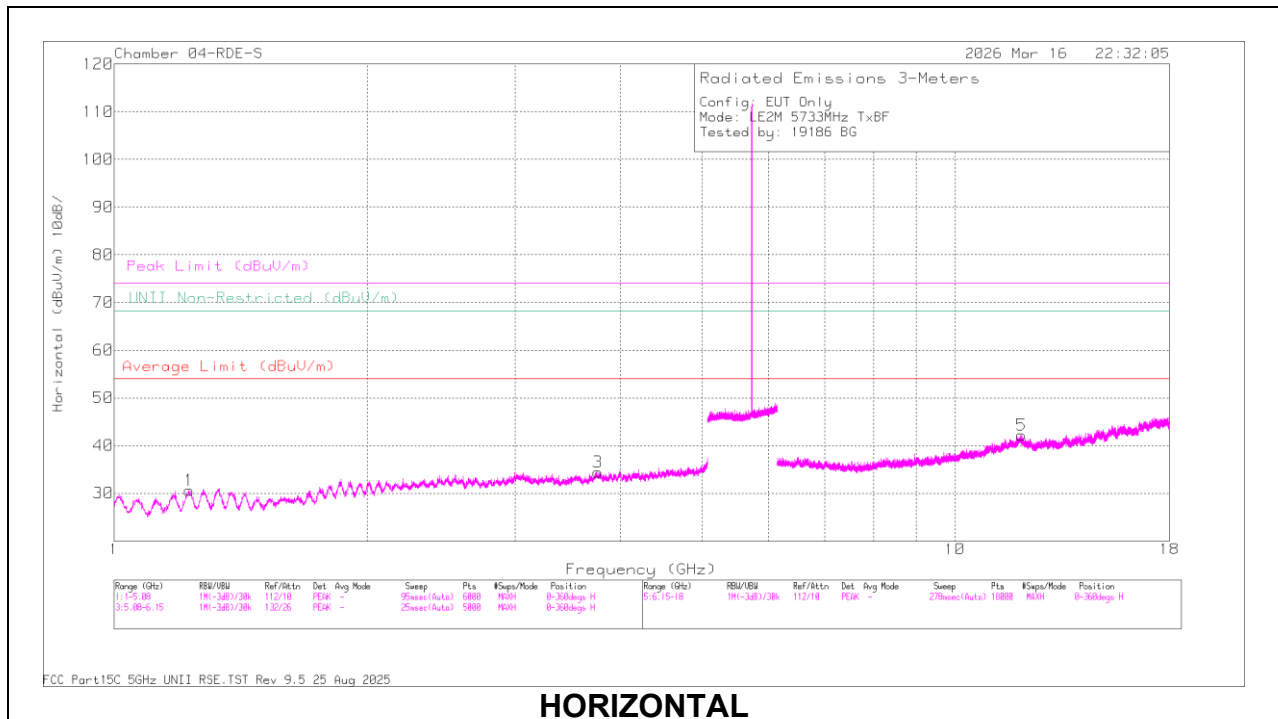
UNII-3 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDRPL8	5733	6 + 5	1.839758	62	PK-U	31.1	-50.33	0	42.77	-	-	68.2	-25.43	0	198	H
			1.838039	62.65	PK-U	31	-49.9	0	43.75	-	-	68.2	-24.45	0	199	V
			3.006021	59.87	PK-U	32.8	-49.39	0	43.28	-	-	68.2	-24.92	0	101	H
			3.023202	59.75	PK-U	32.9	-48.72	0	43.93	-	-	68.2	-24.27	0	101	V
			* 11.491173	46.09	ADR	38.2	-44.73	0.23	39.79	54	-14.21	-	-	0	101	H
			* 11.493449	57.98	PK-U	38.2	-45	0	51.18	-	-	74	-22.82	0	101	H
			* 11.465903	57.48	PK-U	38.2	-45.41	0	50.27	-	-	74	-23.73	0	200	V
			* 11.488134	45.78	ADR	38.2	-44.84	0.23	39.37	54	-14.63	-	-	0	200	V
			1.95607	62.05	PK-U	31.7	-49.79	0	43.96	-	-	68.2	-24.24	360	101	H
			1.95751	61.82	PK-U	31.8	-49.45	0	44.17	-	-	68.2	-24.03	360	200	V
	5788	6 + 5	* 2.827841	60.08	PK-U	32.5	-49.58	0	43	-	-	74	-31	360	101	H
			* 2.833728	48.43	ADR	32.5	-49.73	0.23	31.43	54	-22.57	-	-	360	101	H
			* 2.810506	60.31	PK-U	32.5	-49.55	0	43.26	-	-	74	-30.74	360	200	V
			* 2.836139	48.65	ADR	32.5	-49.66	0.23	31.72	54	-22.28	-	-	360	200	V
			* 11.208086	58.42	PK-U	38	-46.02	0	50.4	-	-	74	-23.6	360	101	H
			* 11.206366	46.55	ADR	38	-45.84	0.23	38.94	54	-15.06	-	-	360	101	H
			* 11.192186	58.19	PK-U	38	-46.08	0	50.11	-	-	74	-23.89	360	101	V
			* 11.205253	46.45	ADR	38	-46.02	0.23	38.66	54	-15.34	-	-	360	101	V
			* 2.263576	61.34	PK-U	31.5	-50.15	0	42.69	-	-	74	-31.31	360	200	H
			* 2.249256	49.72	ADR	31.5	-50.05	0.23	31.4	54	-22.6	-	-	360	200	H
	5844	6 + 5	* 2.266451	61.22	PK-U	31.5	-49.93	0	42.79	-	-	74	-31.21	360	200	V
			* 2.251304	49.49	ADR	31.5	-50.1	0.23	31.12	54	-22.88	-	-	360	200	V
			3.230149	59.02	PK-U	32.9	-48.7	0	43.22	-	-	68.2	-24.98	360	200	H
			3.237332	59.29	PK-U	32.9	-48.63	0	43.56	-	-	68.2	-24.64	360	101	V
			* 11.69392	58.09	PK-U	38.5	-45.71	0	50.88	-	-	74	-23.12	360	199	H
			* 11.684884	46.27	ADR	38.4	-45.88	0.23	39.02	54	-14.98	-	-	360	199	H
			* 11.703451	57.89	PK-U	38.5	-45.79	0	50.6	-	-	74	-23.4	360	101	V
			* 11.715833	46.44	ADR	38.5	-45.68	0.23	39.49	54	-14.51	-	-	360	101	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

WORST-CASE HARMONICS AND SPURIOUS EMISSIONS **STATE A – MIMO TxBF – LE2M – High Power -5733MHz**



Radiated Emissions

Marker	Frequency (GHz)	Meas Reading (dBm)	Dist	200765 ACP (dBm)	Gain/Loss (dB)	DOCF (dB)	Corrected Reading (dBm)	Average Limit (dBm)	Margin (dB)	Peak Limit (dBm)	Margin (dB)	Admiss (Deps)	Height (cm)	Polarity
1	* 1.223088	62.01	PK-U	28.8	-50.32	0	40.49	-	-	74	-33.51	360	100	H
	* 1.227635	50.16	ADR	28.8	-50.29	2.49	31.16	54	-22.84	-	-	360	100	H
	* 1.224635	61.78	PK-U	28.8	-50.29	0	40.29	-	-	74	-33.71	360	201	V
2	* 1.226975	50.37	ADR	28.8	-50.3	2.49	31.36	54	-22.64	-	-	360	201	V
	* 3.755249	57.86	PK-U	33.6	-47.43	0	44.03	-	-	74	-29.97	360	100	H
	* 3.744889	46.15	ADR	33.6	-47.45	2.49	34.79	54	-19.21	-	-	360	100	H
4	* 3.743002	57.92	PK-U	33.6	-47.47	0	44.05	-	-	74	-29.95	360	200	V
	* 3.741908	46.09	ADR	33.6	-47.48	2.49	34.7	54	-19.3	-	-	360	200	V
	* 12.031155	54.76	PK-U	39.4	-43.89	0	50.27	-	-	74	-23.73	360	100	H
5	* 12.024035	43	ADR	39.4	-43.81	2.49	41.08	54	-12.92	-	-	360	100	H
	* 12.008374	55.25	PK-U	39.4	-43.84	0	50.81	-	-	74	-23.19	360	201	V
	* 12.012094	43.07	ADR	39.4	-43.83	2.49	41.13	54	-12.87	-	-	360	201	V

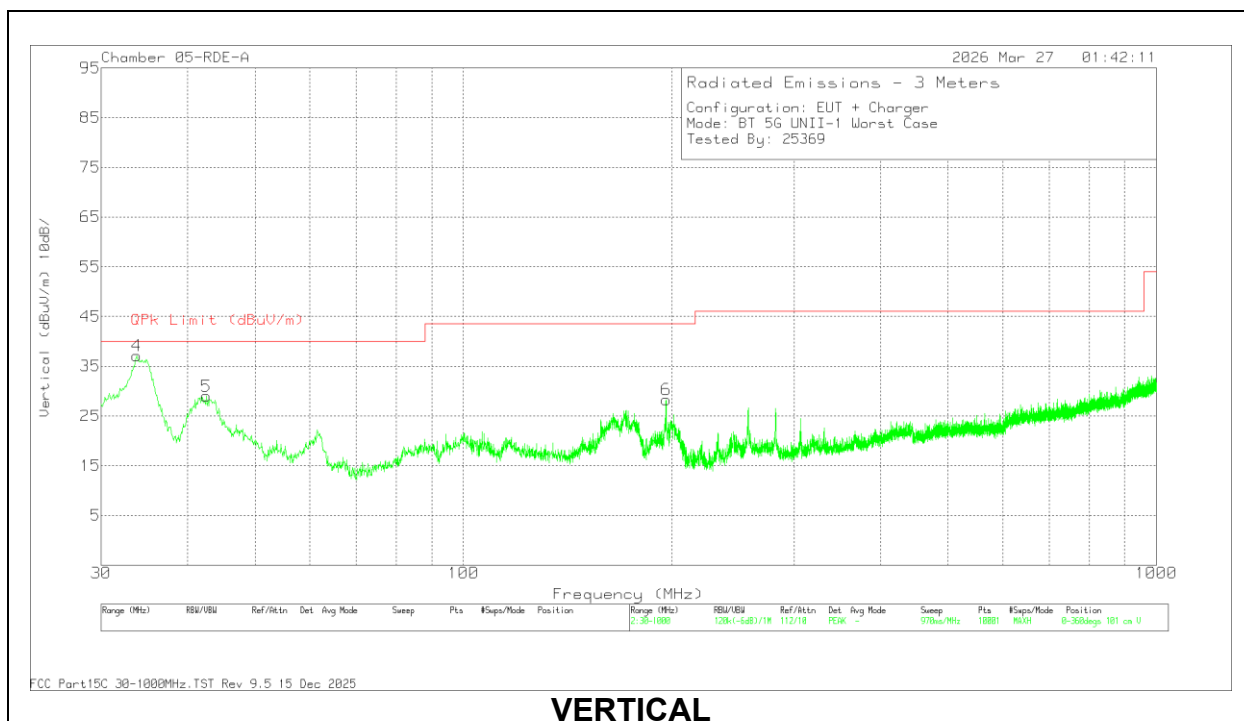
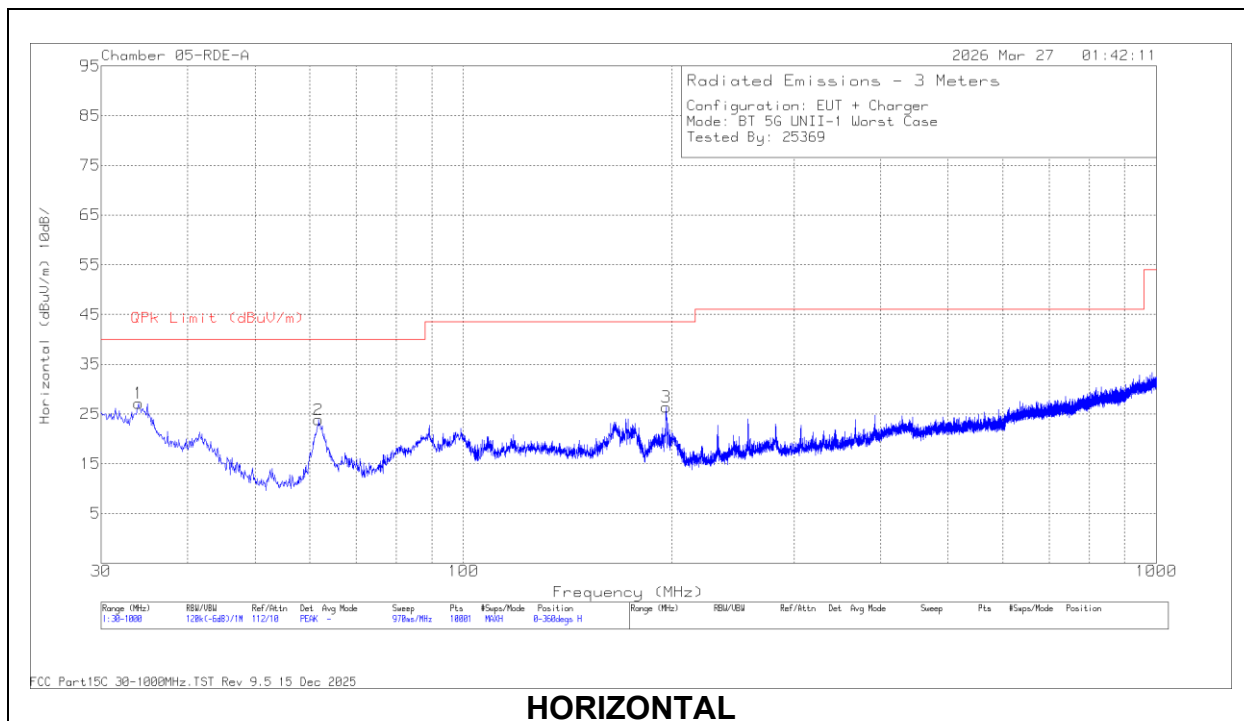
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.2. WORST CASE BELOW 1 GHz

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



Below 1GHz Data

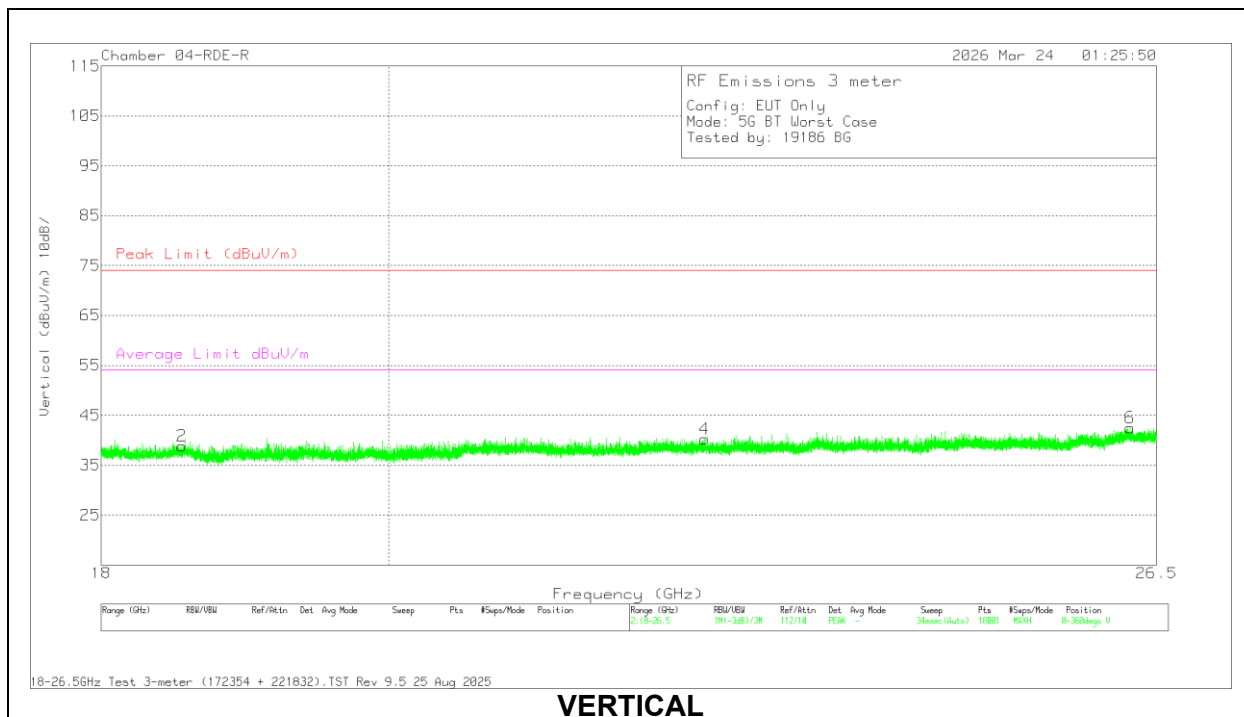
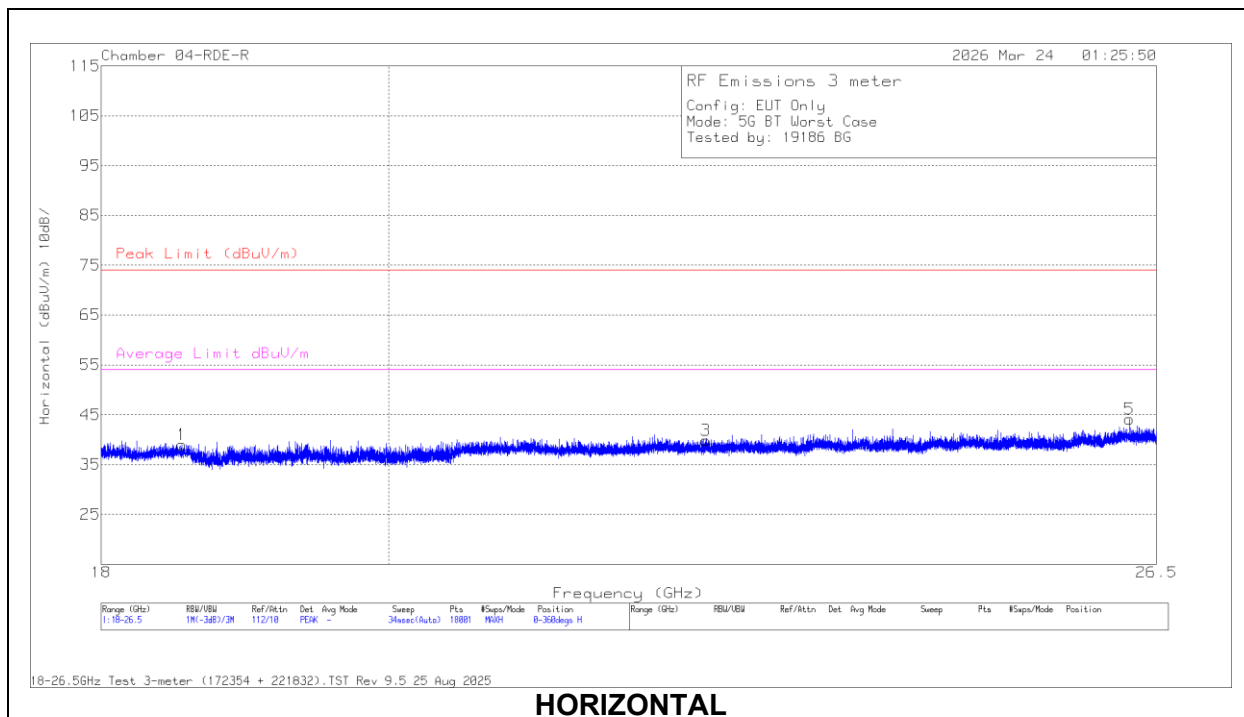
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	204045 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	34.2889	30.39	Qp	23.9	-32.3	21.99	40	-18.01	10	205	H
2	61.8025	39.02	Qp	13.7	-32	20.72	40	-19.28	160	380	H
3	196.051	36.74	Qp	18.2	-31.2	23.74	43.52	-19.78	93	156	H
4	34.1378	42.34	Qp	24	-32.3	34.04	40	-5.96	284	100	V
5	42.1247	40.6	Qp	18.1	-32.1	26.6	40	-13.4	238	100	V
6	196.223	39.37	Qp	18.2	-31.2	26.37	43.52	-17.15	81	111	V

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

Qp - Quasi-Peak detector

9.3. WORST CASE 18-26 GHz

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



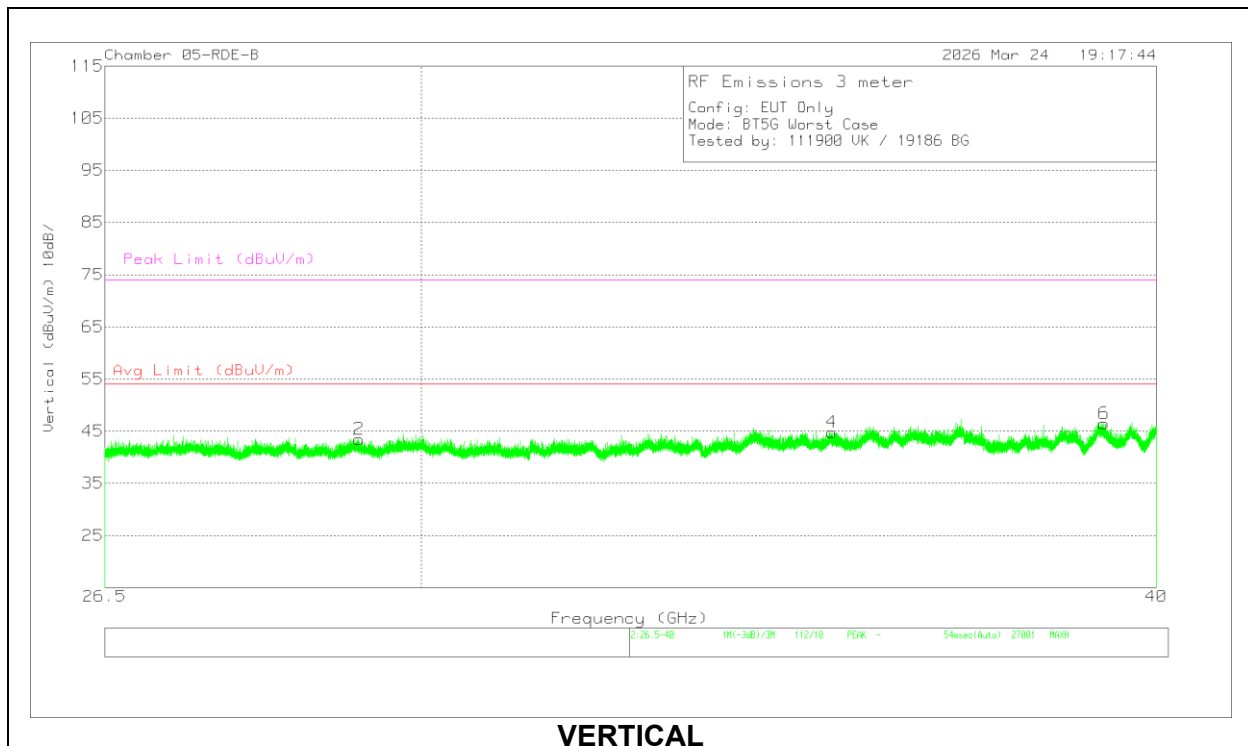
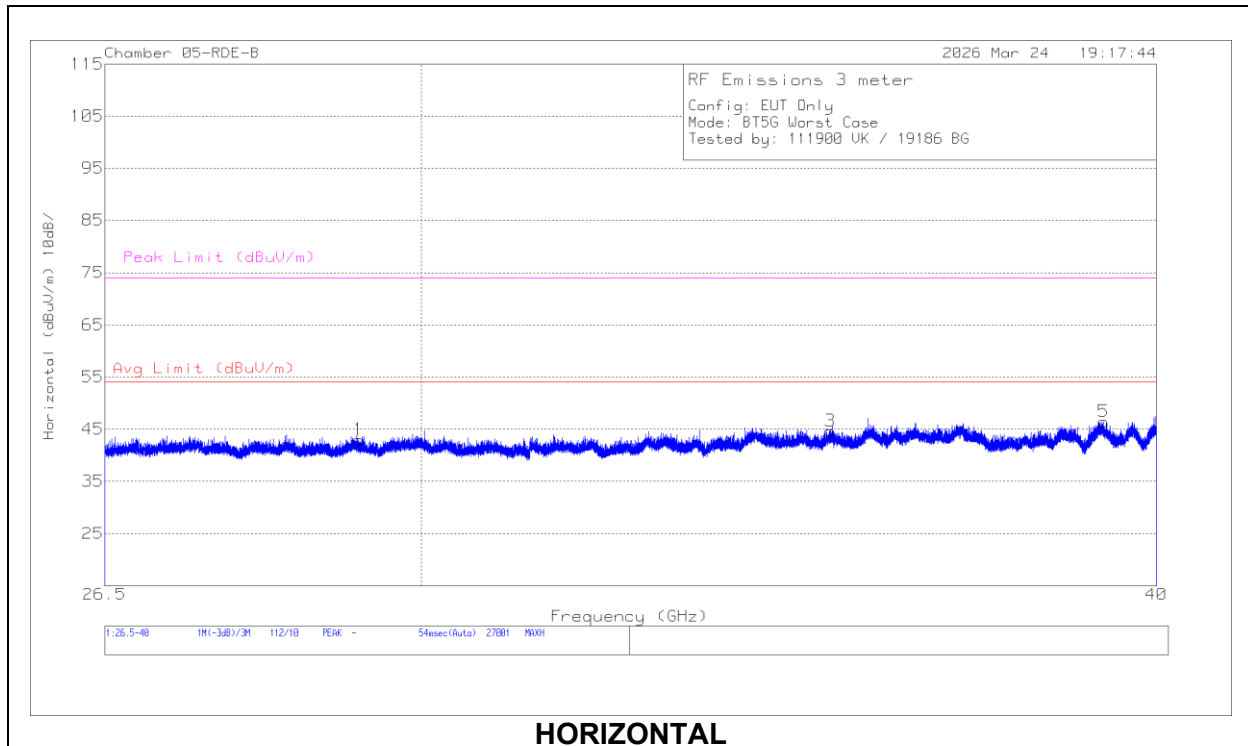
18 – 26GHz Data

Marker	Frequency (GHz)	Motor Reading (dBm)	Det	17254 3m AF (dBm)	18-26GHz Amp	Cables (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
1	* 18.53975	54.17	Pk	32.3	-63.3	15.8	38.97	74	-35.03	-	-	0-360	99	H
2	* 18.540222	54.08	Pk	32.3	-63.3	15.8	38.88	74	-35.12	-	-	0-360	99	V
3	* 22.463915	51.56	Pk	33.2	-62.3	17.4	39.86	74	-34.14	-	-	0-360	99	H
4	* 22.456359	51.97	Pk	33.2	-62.3	17.4	40.27	74	-33.73	-	-	0-360	99	V
5	26.240274	52.26	Pk	34.1	-61.2	19	44.16	74	-29.82	-	-	0-360	99	H
6	26.247357	50.59	Pk	34.1	-61.2	19	42.49	74	-31.51	-	-	0-360	99	V

Pk - Peak detector

9.4. WORST CASE 26-40 GHz

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



26 – 40GHz Data

Metric	Frequency (GHz)	Min. Reading (dBm)	Det	11.266 ACZ (dBm)	CEL-ABP (dB)	CIS (dB)	DOCF (dB)	Corrected Reading	Avg Limit (dBW/m)	Margin (dB)	Peak Limit (dBW/m)	PK Margin (dB)	Attenuation (dBm)	Height (m)	Priority
1	29.275	60.77	PK	36.2	-71.5	17.5	0	-22.07	-	-	74	-31.03	0.360	101	H
2	29.275	61.25	PK	36.2	-71.5	17.5	0	-23.45	-	-	74	-30.55	0.360	200	V
3	35.206	61.82	PK	37.3	-73.6	16.1	0	-24.62	-	-	74	-29.38	0.360	101	H
4	35.23	62.06	PK	37.3	-73.7	16.1	0	-24.78	-	-	74	-29.22	0.360	200	V
5	*39.1825	58.53	PK	36.2	-70.3	20	0	-26.43	-	-	74	-27.57	0.360	101	H
6	*39.1885	58.56	PK	36.2	-70.3	20	0	-26.46	-	-	74	-27.54	0.360	101	V

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

Pk - Peak detector

STATE B**9.5. TRANSMITTER ABOVE 1 GHz****9.5.1. UNII-1 BAND SISO MODE – BANDEDGE – HIGH POWER**

UNII-1 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (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
BDR	5162	6	* 5.15	57.54	Pk	34.2	-36.23	0	55.51	-	-	74	-18.49	273	273	H
			* 5.00825	59.44	Pk	34.1	-36.42	0	57.12	-	-	74	-16.88	273	273	H
			* 5.15	46.41	RMS	34.2	-36.23	1.15	45.53	54	-8.47	-	-	273	273	H
			* 5.144584	47.05	RMS	34.2	-36.2	1.15	46.2	54	-7.8	-	-	273	273	H
			* 5.15	56.34	Pk	34.2	-36.23	0	54.31	-	-	74	-19.69	334	192	V
			* 5.101362	58.73	Pk	34.2	-36.3	0	56.63	-	-	74	-17.37	334	192	V
		5	* 5.15	45.39	RMS	34.2	-36.23	1.15	44.51	54	-9.49	-	-	334	192	V
			* 5.008917	47.45	RMS	34.1	-36.4	1.15	46.3	54	-7.7	-	-	334	192	V
			* 5.15	54.24	Pk	34.2	-32.7	0	55.74	-	-	74	-18.26	317	144	H
			* 5.005139	57.18	Pk	34	-32.66	0	58.52	-	-	74	-15.48	317	144	H
			* 5.15	43.9	RMS	34.2	-32.7	1.15	46.55	54	-7.45	-	-	317	144	H
			* 5.005111	45.59	RMS	34	-32.66	1.15	48.08	54	-5.92	-	-	317	144	H
			* 5.15	53.75	Pk	34.2	-32.7	0	55.25	-	-	74	-18.75	43	146	V
			* 5.008528	57.08	Pk	34	-32.67	0	58.41	-	-	74	-15.59	43	146	V
			* 5.15	43.33	RMS	34.2	-32.7	1.15	45.98	54	-8.02	-	-	43	146	V
			* 5.006889	45.29	RMS	34	-32.67	1.15	47.77	54	-6.23	-	-	43	146	V
LE1M	5162	6	* 5.15	56.82	Pk	34.4	-37.92	0	53.3	-	-	74	-20.7	37	109	H
			* 5.092751	59.95	Pk	34.4	-37.91	0	56.44	-	-	74	-17.56	37	109	H
			* 5.15	46.12	RMS	34.4	-37.92	0.72	43.32	54	-10.68	-	-	37	109	H
			* 5.089112	47.45	RMS	34.4	-37.82	0.72	44.75	54	-9.25	-	-	37	109	H
			* 5.15	57.08	Pk	34.4	-37.92	0	53.56	-	-	74	-20.44	343	122	V
			* 5.022472	59.74	Pk	34.4	-38.02	0	56.12	-	-	74	-17.88	343	122	V
		5	* 5.15	46.19	RMS	34.4	-37.92	0.72	43.39	54	-10.61	-	-	343	122	V
			* 5.001556	47.78	RMS	34.4	-38.12	0.72	44.78	54	-9.22	-	-	343	122	V
			* 5.15	54.41	Pk	34.2	-32.7	0	55.91	-	-	74	-18.09	315	132	H
			* 5.006972	57.56	Pk	34	-32.67	0	58.89	-	-	74	-15.11	315	132	H
			* 5.15	43.68	RMS	34.2	-32.7	0.72	45.9	54	-8.1	-	-	315	132	H
			* 5.007889	45.67	RMS	34	-32.68	0.72	47.71	54	-6.29	-	-	315	132	H
			* 5.15	54.12	Pk	34.2	-32.7	0	55.62	-	-	74	-18.38	45	123	V
			* 5.005694	57.41	Pk	34	-32.68	0	58.73	-	-	74	-15.27	45	123	V
			* 5.15	42.99	RMS	34.2	-32.7	0.72	45.21	54	-8.79	-	-	45	123	V
			* 5.009639	45.69	RMS	34	-32.67	0.72	47.74	54	-6.26	-	-	45	123	V
LE2M	5162	6	* 5.15	57.2	Pk	34.4	-37.92	0	53.68	-	-	74	-20.32	41	103	H
			* 5.001306	60.35	Pk	34.4	-38.13	0	56.62	-	-	74	-17.38	41	103	H
			* 5.15	46.84	RMS	34.4	-37.92	2.49	45.81	54	-8.19	-	-	41	103	H
			* 5.005	47.79	RMS	34.4	-38.09	2.49	46.59	54	-7.41	-	-	41	103	H
			* 5.15	58.02	Pk	34.4	-37.92	0	54.5	-	-	74	-19.5	343	102	V
			* 5.127973	59.36	Pk	34.4	-37.9	0	55.86	-	-	74	-18.14	343	102	V
		5	* 5.15	46.01	RMS	34.4	-37.92	2.49	44.98	54	-9.02	-	-	343	102	V
			* 5.0055	47.72	RMS	34.4	-38.06	2.49	46.55	54	-7.45	-	-	343	102	V
			* 5.15	53.96	Pk	34.2	-32.7	0	55.46	-	-	74	-18.54	320	140	H
			* 5.004917	56.97	Pk	34	-32.66	0	58.31	-	-	74	-15.69	320	140	H
			* 5.15	43.13	RMS	34.2	-32.7	2.49	47.12	54	-6.88	-	-	320	140	H
			* 5.004472	45.34	RMS	34	-32.67	2.49	49.16	54	-4.84	-	-	320	140	H
			* 5.15	54.19	Pk	34.2	-32.7	0	55.69	-	-	74	-18.31	48	135	V
			* 5.003806	57.17	Pk	34	-32.67	0	58.5	-	-	74	-15.5	48	135	V
			* 5.15	43.12	RMS	34.2	-32.7	2.49	47.11	54	-6.89	-	-	48	135	V
			* 5.001361	45.71	RMS	34	-32.69	2.49	49.51	54	-4.49	-	-	48	135	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	ACF (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
HDT2	5162	6	* 5.15	59.23	Pk	34.1	-39.78	0	53.55	-	-	74	-20.45	210	124	H
			* 5.062639	60.74	Pk	33.9	-39.79	0	54.85	-	-	74	-19.15	210	124	H
			* 5.15	47.52	RMS	34.1	-39.78	0.16	42	54	-12	-	-	210	124	H
			* 5.139668	48.95	RMS	34.1	-39.79	0.16	43.42	54	-10.58	-	-	210	124	H
			* 5.15	58.54	Pk	34.1	-39.78	0	52.86	-	-	74	-21.14	137	102	V
			* 5.074251	61.02	Pk	33.9	-39.83	0	55.09	-	-	74	-18.91	137	102	V
		5	* 5.15	47.93	RMS	34.1	-39.78	0.16	42.41	54	-11.59	-	-	137	102	V
			* 5.088112	49.09	RMS	34	-39.86	0.16	43.39	54	-10.61	-	-	137	102	V
			* 5.15	55.78	Pk	34.4	-35.4	0	54.78	-	-	74	-19.22	70	162	H
			* 5.008278	58.37	Pk	34.2	-35.7	0	56.87	-	-	74	-17.13	70	162	H
			* 5.15	45.73	RMS	34.4	-35.4	0.16	44.89	54	-9.11	-	-	70	162	H
			* 5.13814	46.16	RMS	34.4	-35.3	0.16	45.42	54	-8.58	-	-	70	162	H
			* 5.15	55.21	Pk	34.4	-35.4	0	54.21	-	-	74	-19.79	124	153	V
			* 5.009472	58.21	Pk	34.2	-35.7	0	56.71	-	-	74	-17.29	124	153	V
			* 5.15	44.84	RMS	34.4	-35.4	0.16	44	54	-10	-	-	124	153	V
			* 5.007472	46.33	RMS	34.2	-35.7	0.16	44.99	54	-9.01	-	-	124	153	V
XHDRPS2	5162	6	* 5.15	57.41	Pk	34.2	-36.23	0	55.38	-	-	74	-18.62	282	176	H
			* 5.118168	59.82	Pk	34.2	-36.29	0	57.73	-	-	74	-16.27	282	176	H
			* 5.15	45.9	RMS	34.2	-36.23	0	43.87	54	-10.13	-	-	282	176	H
			* 5.119195	47.34	RMS	34.2	-36.26	0	45.28	54	-8.72	-	-	282	176	H
			* 5.15	56.12	Pk	34.2	-36.23	0	54.09	-	-	74	-19.91	328	181	V
			* 5	59.04	Pk	34.1	-36.41	0	56.73	-	-	74	-17.27	328	181	V
		5	* 5.15	45.73	RMS	34.2	-36.23	0	43.7	54	-10.3	-	-	328	181	V
			* 5.008833	47.44	RMS	34.1	-36.4	0	45.14	54	-8.86	-	-	328	181	V
			* 5.15	54.69	Pk	34.2	-32.7	0	56.19	-	-	74	-17.81	145	182	H
			* 5.001833	57.35	Pk	33.9	-32.69	0	58.56	-	-	74	-15.44	145	182	H
			* 5.15	43.72	RMS	34.2	-32.7	0	45.22	54	-8.78	-	-	145	182	H
			* 5.008056	45.45	RMS	34	-32.68	0	46.77	54	-7.23	-	-	145	182	H
		5	* 5.15	53.42	Pk	34.2	-32.7	0	54.92	-	-	74	-19.08	127	356	V
			* 5.003194	57.22	Pk	34	-32.67	0	58.55	-	-	74	-15.45	127	356	V
			* 5.15	43.14	RMS	34.2	-32.7	0	44.64	54	-9.36	-	-	127	356	V
			* 5.003611	45.54	RMS	34	-32.67	0	46.87	54	-7.13	-	-	127	356	V
HDRPM8	5162	6	5.15	58.19	Pk	34.7	-38.61	0	54.28	-	-	74	-19.72	310	224	H
			5.122195	60.54	Pk	34.5	-38.62	0	56.42	-	-	74	-17.58	310	224	H
			5.15	47.84	RMS	34.7	-38.61	0.31	44.24	54	-9.76	-	-	310	224	H
			5.149973	48.5	RMS	34.7	-38.61	0.31	44.9	54	-9.1	-	-	310	224	H
			5.15	57.01	Pk	34.7	-38.61	0	53.1	-	-	74	-20.9	319	201	V
			5.139057	59.55	Pk	34.6	-38.64	0	55.51	-	-	74	-18.49	319	201	V
		5	5.15	47.12	RMS	34.7	-38.61	0.31	43.52	54	-10.48	-	-	319	201	V
			5.146112	47.88	RMS	34.7	-38.65	0.31	44.24	54	-9.76	-	-	319	201	V
			* 5.15	54.8	Pk	34.2	-32.7	0	56.3	-	-	74	-17.7	309	132	H
			* 5.009222	57.48	Pk	34	-32.66	0	58.82	-	-	74	-15.18	309	132	H
			* 5.15	43.07	RMS	34.2	-32.7	0.31	44.88	54	-9.12	-	-	309	132	H
			* 5.005	45.43	RMS	34	-32.66	0.31	47.08	54	-6.92	-	-	309	132	H
		5	* 5.15	54.28	Pk	34.2	-32.7	0	55.78	-	-	74	-18.22	16	135	V
			* 5.009945	57.63	Pk	34	-32.67	0	58.96	-	-	74	-15.04	16	135	V
			* 5.15	43.7	RMS	34.2	-32.7	0.31	45.51	54	-8.49	-	-	16	135	V
			* 5.004278	45.6	RMS	34	-32.67	0.31	47.24	54	-6.76	-	-	16	135	V
HDRPL8	5164	6	* 5.15	64.08	Pk	34.2	-36.23	0	62.05	-	-	74	-11.95	280	213	H
			* 5.149696	65.16	Pk	34.2	-36.23	0	63.13	-	-	74	-10.87	280	213	H
			* 5.15	52.13	RMS	34.2	-36.23	0.23	50.33	54	-3.67	-	-	280	213	H
			* 5.149668	52.45	RMS	34.2	-36.23	0.23	50.65	54	-3.35	-	-	280	213	H
			* 5.15	59.04	Pk	34.2	-36.23	0	57.01	-	-	74	-16.99	342	202	V
			* 5.149779	60.36	Pk	34.2	-36.23	0	58.33	-	-	74	-15.67	342	202	V
		5	* 5.15	47.13	RMS	34.2	-36.23	0.23	45.33	54	-8.67	-	-	342	202	V
			* 5.149946	47.91	RMS	34.2	-36.23	0.23	46.11	54	-7.89	-	-	342	202	V
			* 5.15	55.08	Pk	34.4	-35.4	0	54.08	-	-	74	-19.92	64	172	H
			* 5.129001	57.72	Pk	34.4	-35.5	0	56.62	-	-	74	-17.38	64	172	H
			* 5.15	44.26	RMS	34.4	-35.4	0.23	43.49	54	-10.51	-	-	64	172	H
			* 5.004278	46.49	RMS	34.2	-35.7	0.23	45.22	54	-8.78	-	-	64	172	H
		5	* 5.15	55.16	Pk	34.4	-35.4	0	54.16	-	-	74	-19.84	144	171	V
			* 5.123501	57.36	Pk	34.4	-35.4	0	56.36	-	-	74	-17.64	144	171	V
			* 5.15	43.91	RMS	34.4	-35.4	0.23	43.14	54	-10.86	-	-	144	171	V
			* 5.006139	46.22	RMS	34.2	-35.7	0.23	44.95	54	-9.05	-	-	144	171	V

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

Pk - Peak detector

RMS - RMS detection

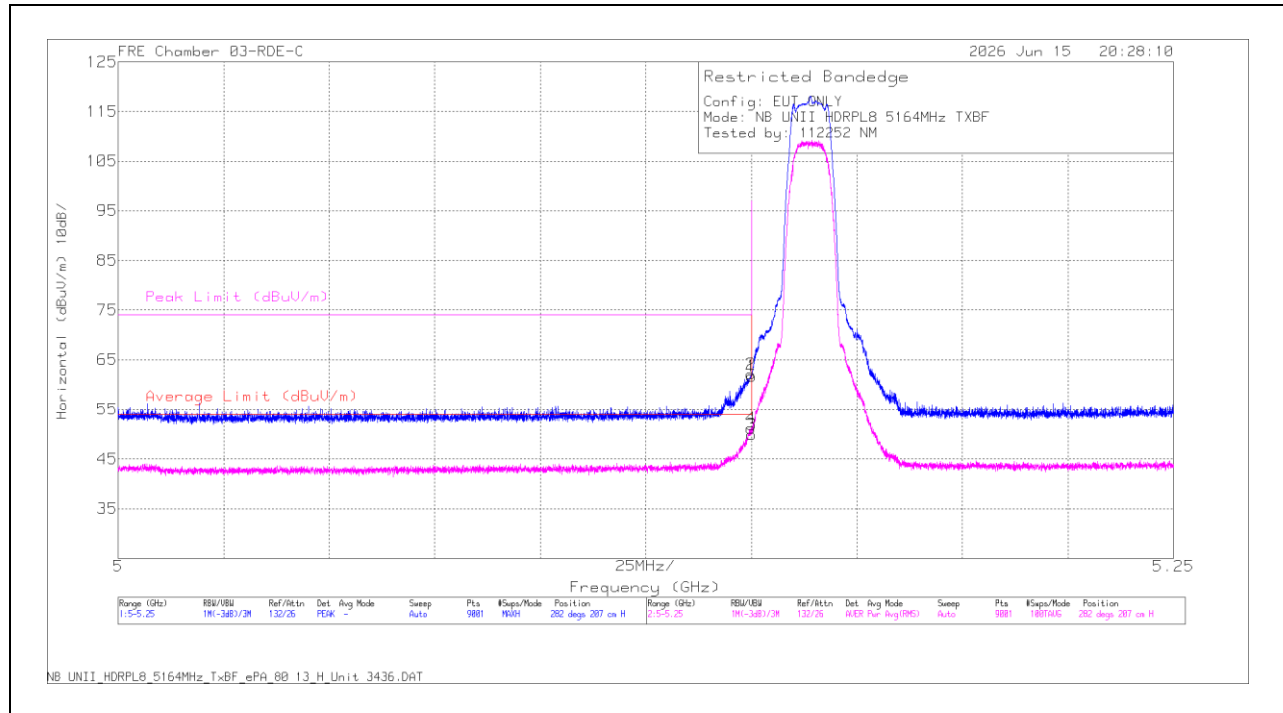
9.5.2. UNII-1 BAND MIMO TXBF MODE – BANDEDGE – HIGH POWER

UNII-1 (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (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
BDR	5162	6 + 5	* 5.15	59.75	Pk	34.7	-38.61	0	55.84	-	-	74	-18.16	278	374	H
			* 5.146335	60.34	Pk	34.7	-38.65	0	56.39	-	-	74	-17.61	278	374	H
			* 5.15	47.19	RMS	34.7	-38.61	1.15	44.43	54	-9.57	-	-	278	374	H
			* 5.149751	48.26	RMS	34.7	-38.62	1.15	45.49	54	-8.51	-	-	278	374	H
			* 5.15	58.3	Pk	34.7	-38.61	0	54.39	-	-	74	-19.61	348	166	V
			* 5.009695	60.99	Pk	34.2	-38.75	0	56.44	-	-	74	-17.56	348	166	V
			* 5.15	46.98	RMS	34.7	-38.61	1.15	44.22	54	-9.78	-	-	348	166	V
HDT2	5162	6 + 5	* 5.14539	48.17	RMS	34.7	-38.65	1.15	45.37	54	-8.63	-	-	348	166	V
			* 5.15	51.25	Pk	34.1	-30.8	0	54.55	-	-	74	-19.45	135	275	H
			* 5.133017	53.18	Pk	34	-30.9	0	56.28	-	-	74	-17.72	135	275	H
			* 5.15	41.03	RMS	34.1	-30.8	0.16	44.49	54	-9.51	-	-	135	275	H
			* 5.008314	41.78	RMS	33.9	-31	0.16	44.84	54	-9.16	-	-	135	275	H
			* 5.15	50.55	Pk	34.1	-30.8	0	53.85	-	-	74	-20.15	226	120	V
			* 5.144362	52.56	Pk	34.1	-30.8	0	55.86	-	-	74	-18.14	226	120	V
LE1M	5162	6 + 5	* 5.15	40.21	RMS	34.1	-30.8	0.16	43.67	54	-10.33	-	-	226	120	V
			* 5.149707	41.13	RMS	34.1	-30.8	0.16	44.59	54	-9.41	-	-	226	120	V
			* 5.15	51.56	Pk	34.1	-30.8	0	54.86	-	-	74	-19.14	135	274	H
			* 5.149519	54.28	Pk	34.1	-30.8	0	57.58	-	-	74	-16.42	135	274	H
			* 5.15	40.94	RMS	34.1	-30.8	0.72	44.96	54	-9.04	-	-	135	274	H
			* 5.148269	41.44	RMS	34.1	-30.9	0.72	45.36	54	-8.64	-	-	135	274	H
			* 5.15	50.39	Pk	34.1	-30.8	0	53.69	-	-	74	-20.31	226	120	V
LE2M	5162	6 + 5	* 5.149394	53.24	Pk	34.1	-30.8	0	56.54	-	-	74	-17.46	226	120	V
			* 5.15	40.23	RMS	34.1	-30.8	0.72	44.25	54	-9.75	-	-	226	120	V
			* 5.148894	41.15	RMS	34.1	-30.9	0.72	45.07	54	-8.93	-	-	226	120	V
			* 5.15	51.95	Pk	34.1	-30.8	0	55.25	-	-	74	-18.75	136	274	H
			* 5.145894	53.61	Pk	34.1	-30.9	0	56.81	-	-	74	-17.19	136	274	H
			* 5.15	41	RMS	34.1	-30.8	2.49	46.79	54	-7.21	-	-	136	274	H
			* 5.1453	41.47	RMS	34.1	-30.8	2.49	47.26	54	-6.74	-	-	136	274	H
HDRPM12	5162	6 + 5	* 5.15	50.69	Pk	34.1	-30.8	0	53.99	-	-	74	-20.01	226	120	V
			* 5.117328	53.03	Pk	34	-30.9	0	56.13	-	-	74	-17.87	226	120	V
			* 5.15	38.35	RMS	34.1	-30.8	2.49	44.14	54	-9.86	-	-	226	120	V
			* 5.143987	39.31	RMS	34.1	-30.9	2.49	45	54	-9	-	-	226	120	V
			* 5.15	56.42	Pk	34.3	-32.62	0	58.1	-	-	74	-15.9	157	216	H
			* 5.149807	58.06	Pk	34.3	-32.62	0	59.74	-	-	74	-14.26	157	216	H
			* 5.15	44.87	RMS	34.3	-32.62	0.61	47.16	54	-6.84	-	-	157	216	H
XHDRPS2	5162	6 + 5	* 5.003833	45.86	RMS	34.4	-32.65	0.61	48.22	54	-5.78	-	-	157	216	H
			* 5.15	54.13	Pk	34.3	-32.62	0	55.81	-	-	74	-18.19	211	141	V
			* 5.001583	58.68	Pk	34.4	-32.67	0	60.41	-	-	74	-13.59	211	141	V
			* 5.15	44.06	RMS	34.3	-32.62	0.61	46.35	54	-7.65	-	-	211	141	V
			* 5.006611	45.68	RMS	34.4	-32.65	0.61	48.04	54	-5.96	-	-	211	141	V
			* 5.15	55.95	Pk	34.4	-35.4	0	54.95	-	-	74	-19.05	77	202	H
			* 5.139946	58.59	Pk	34.4	-35.5	0	57.49	-	-	74	-16.51	77	202	H
HDRPL8	5164	6 + 5	* 5.15	45.23	RMS	34.4	-35.4	0	44.23	54	-9.77	-	-	77	202	H
			* 5.141446	45.9	RMS	34.4	-35.4	0	44.9	54	-9.1	-	-	77	202	H
			* 5.15	55.06	Pk	34.4	-35.4	0	54.06	-	-	74	-19.94	115	151	V
			* 5.002194	57.86	Pk	34.2	-35.7	0	56.36	-	-	74	-17.64	115	151	V
			* 5.15	44.67	RMS	34.4	-35.4	0	43.67	54	-10.33	-	-	115	151	V
			* 5.001833	46.23	RMS	34.2	-35.7	0	44.73	54	-9.27	-	-	115	151	V
			* 5.15	65.24	Pk	34.4	-37.92	0	61.72	-	-	74	-12.28	282	207	H
HDRPL8	5164	6 + 5	* 5.149862	65.65	Pk	34.4	-37.93	0	62.12	-	-	74	-11.88	282	207	H
			* 5.15	53.23	RMS	34.4	-37.92	0.23	49.94	54	-4.06	-	-	282	207	H
			* 5.149973	54.46	RMS	34.4	-37.92	0.23	51.17	54	-2.83	-	-	282	207	H
			* 5.15	62.55	Pk	34.4	-37.92	0	59.03	-	-	74	-14.97	321	101	V
			* 5.149946	62.8	Pk	34.4	-37.92	0	59.28	-	-	74	-14.72	321	101	V
			* 5.15	50.61	RMS	34.4	-37.92	0.23	47.32	54	-6.68	-	-	321	101	V
			* 5.149723	50.76	RMS	34.4	-37.94	0.23	47.45	54	-6.55	-	-	321	101	V

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

Pk - Peak detector

RMS - RMS detection

WORST-CASE LOW BANDEDGE**STATE B – MIMO TxBF – HDRPL8 – High Power – 5164MHz - Horizontal**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dBm)	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	* 5.15	65.24	PK	34.4	-37.92	0	61.72	-	-	74	-12.28	282	207	H
2	* 5.149862	65.65	PK	34.4	-37.93	0	62.12	-	-	74	-11.88	282	207	H
3	* 5.15	53.23	RMS	34.4	-37.92	23	49.94	54	-4.06	-	-	282	207	H
4	* 5.149973	54.46	RMS	34.4	-37.92	23	51.17	54	-2.83	-	-	282	207	H

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

PK - Peak detector

RMS - RMS detection

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

UNII-1 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (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	3.094345	57.46	PK-U	33	-47.8	0	42.66	-	-	68.2	-25.54	360	101	H
			3.092419	57.3	PK-U	33	-47.8	0	42.5	-	-	68.2	-25.7	360	101	V
			9.909946	55.37	PK-U	37.1	-45.43	0	47.04	-	-	68.2	-21.16	360	101	H
			9.929148	55.41	PK-U	37.1	-45.11	0	47.4	-	-	68.2	-20.8	360	200	V
			* 15.953339	49.91	PK-U	41.3	-40.62	0	50.59	-	-	74	-23.41	360	200	H
			* 15.971735	37.65	ADR	41.3	-40.76	1.15	39.34	54	-14.66	-	-	360	200	H
			* 15.939817	49.99	PK-U	41.3	-40.8	0	50.49	-	-	74	-23.51	360	200	V
			* 15.963221	38.03	ADR	41.3	-40.54	1.15	39.94	54	-14.06	-	-	360	200	V
			* 3.749807	56.88	PK-U	33.2	-47.21	0	42.87	-	-	74	-31.13	360	199	H
			* 3.734887	44.84	ADR	33.2	-47.19	1.15	32	54	-22	-	-	360	199	H
	5203	6 + 5	* 3.728487	56.75	PK-U	33.2	-47.31	0	42.64	-	-	74	-31.36	360	199	V
			* 3.7343	45.08	ADR	33.2	-47.2	1.15	32.23	54	-21.77	-	-	360	199	V
			* 8.244076	53.83	PK-U	35.9	-44.53	0	45.2	-	-	74	-28.8	360	199	H
			* 8.234294	42.06	ADR	35.9	-44.47	1.15	34.64	54	-19.36	-	-	360	199	H
			* 8.260914	53.88	PK-U	36	-44.49	0	45.39	-	-	74	-28.61	360	199	V
			* 8.258185	42.59	ADR	36	-44.48	1.15	35.26	54	-18.74	-	-	360	199	V
			13.839985	51.36	PK-U	39.4	-42.62	0	48.14	-	-	68.2	-20.06	360	199	H
			13.827689	51.46	PK-U	39.4	-42.51	0	48.35	-	-	68.2	-19.85	360	199	V
			* 3.857388	57.53	PK-U	33.4	-47.08	0	43.85	-	-	74	-30.15	360	199	H
			* 3.853082	45.5	ADR	33.4	-47.17	1.15	32.88	54	-21.12	-	-	360	199	H
	5245	6 + 5	* 3.824521	57.29	PK-U	33.4	-47.08	0	43.61	-	-	74	-30.39	360	101	V
			* 3.848281	45.48	ADR	33.4	-47.33	1.15	32.7	54	-21.3	-	-	360	101	V
			* 8.212559	54.16	PK-U	35.9	-44.47	0	45.59	-	-	74	-28.41	360	101	H
			* 8.211897	42.34	ADR	35.9	-44.48	1.15	34.91	54	-19.09	-	-	360	101	H
			* 8.206503	54.15	PK-U	35.9	-44.44	0	45.61	-	-	74	-28.39	360	101	V
			* 8.21061	42.23	ADR	35.9	-44.45	1.15	34.83	54	-19.17	-	-	360	101	V
			13.715533	51.36	PK-U	39.3	-42.62	0	48.04	-	-	68.2	-20.16	360	199	H
			13.684522	51.67	PK-U	39.3	-42.52	0	48.45	-	-	68.2	-19.75	360	200	V
	5162	6+5	1.903034	62.09	PK-U	31.4	-50.11	0	43.38	-	-	68.2	-24.82	0	200	H
			1.902074	62.54	PK-U	31.4	-50.1	0	43.84	-	-	68.2	-24.36	0	101	V
			3.427732	58.53	PK-U	32.8	-47.83	0	43.5	-	-	68.2	-24.7	0	101	H
			3.426992	58.33	PK-U	32.8	-47.9	0	43.23	-	-	68.2	-24.97	0	101	V
			10.333896	60.43	PK-U	37.5	-47.5	0	50.43	-	-	68.2	-17.77	0	199	H
			10.34735	60.65	PK-U	37.5	-47.57	0	50.58	-	-	68.2	-17.62	0	199	V
			1.736518	61.97	PK-U	29.7	-49.84	0	41.83	-	-	68.2	-26.37	360	199	H
			1.733773	61.56	PK-U	29.6	-49.85	0	41.31	-	-	68.2	-26.89	360	101	V
			2.974778	59.86	PK-U	32.8	-49.1	0	43.56	-	-	68.2	-24.64	360	101	H
	5203	6 + 5	3.009155	59.73	PK-U	32.9	-48.98	0	43.65	-	-	68.2	-24.55	360	200	V
			10.394792	60.32	PK-U	37.6	-47.7	0	50.22	-	-	68.2	-17.98	360	200	H
			10.407887	59.87	PK-U	37.6	-47.66	0	49.81	-	-	68.2	-18.39	360	101	V
	5245	6 + 5	1.955654	62.04	PK-U	31.7	-49.97	0	43.77	-	-	68.2	-24.43	360	101	H
			1.95808	62.16	PK-U	31.8	-49.33	0	44.63	-	-	68.2	-23.57	360	101	V
			2.959912	60.12	PK-U	32.8	-49.41	0	43.51	-	-	68.2	-24.69	360	101	H
			2.974501	60.68	PK-U	32.8	-49.1	0	44.38	-	-	68.2	-23.82	360	199	V
			10.483227	59.48	PK-U	37.6	-47.89	0	49.19	-	-	68.2	-19.01	360	199	H
			10.493589	59.74	PK-U	37.6	-47.58	0	49.76	-	-	68.2	-18.44	360	199	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

UNII-1 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Fltr/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	3.066814	58.16	PK-U	32.9	-47.82	0	43.24	-	-	68.2	-24.96	0	101	H
			3.054408	57.8	PK-U	32.9	-47.75	0	42.95	-	-	68.2	-25.25	0	101	V
			* 8.246764	54.49	PK-U	35.9	-44.59	0	45.8	-	-	74	-28.2	0	101	H
			* 8.237026	42.75	ADR	35.9	-44.49	2.49	36.65	54	-17.35	-	-	0	101	H
			* 8.243592	54.34	PK-U	35.9	-44.53	0	45.71	-	-	74	-28.29	0	101	V
			* 8.246903	42.68	ADR	35.9	-44.6	2.49	36.47	54	-17.53	-	-	0	101	V
			14.105406	53.65	PK-U	39.5	-42.6	0	50.55	-	-	68.2	-17.65	0	200	H
			14.104608	52.97	PK-U	39.5	-42.59	0	49.88	-	-	68.2	-18.32	0	200	V
			1.956199	62.68	PK-U	31.7	-49.76	0	44.62	-	-	68.2	-23.58	0	200	H
			1.95168	62.17	PK-U	31.7	-50.11	0	43.76	-	-	68.2	-24.44	0	200	V
			* 3.587267	57.96	PK-U	33.2	-47.81	0	43.35	-	-	74	-30.65	0	101	H
			* 3.5976	46.02	ADR	33.4	-47.92	2.49	33.99	54	-20.01	-	-	0	101	H
	5203	6 + 5	* 3.585273	58.05	PK-U	33.1	-47.85	0	43.3	-	-	74	-30.7	0	200	V
			* 3.587226	45.97	ADR	33.2	-47.79	2.49	33.87	54	-20.13	-	-	0	200	V
			10.415902	59.92	PK-U	37.6	-47.49	0	50.03	-	-	68.2	-18.17	0	101	H
			10.393394	59.87	PK-U	37.6	-47.7	0	49.77	-	-	68.2	-18.43	0	200	V
			1.955215	61.7	PK-U	31.7	-50.19	0	43.21	-	-	68.2	-24.99	360	199	H
			1.962075	62.23	PK-U	31.8	-49.85	0	44.18	-	-	68.2	-24.02	360	101	V
			2.423922	61.25	PK-U	32.2	-50.42	0	43.03	-	-	68.2	-25.17	360	199	H
			2.419778	61.44	PK-U	32.2	-50.14	0	43.5	-	-	68.2	-24.7	360	200	V
			10.461989	59.92	PK-U	37.6	-47.8	0	49.72	-	-	68.2	-18.48	360	101	H
			10.46145	59.81	PK-U	37.6	-47.75	0	49.66	-	-	68.2	-18.54	360	200	V
	5245	6 + 5	* 3.72235	56.07	PK-U	33.3	-45.2	0	44.17	-	-	74	-29.83	3	101	H
			* 3.733782	55.86	PK-U	33.3	-45.28	0	43.88	-	-	74	-30.12	3	101	V
			* 3.736228	44.06	ADR	33.3	-45.3	0.16	32.22	54	-21.78	-	-	3	101	V
			* 3.738483	44.14	ADR	33.3	-45.2	0.16	32.4	54	-21.6	-	-	3	101	H
			* 11.870725	54.05	PK-U	38.9	-41.43	0	51.52	-	-	74	-22.48	3	200	H
			* 11.871459	53.94	PK-U	38.9	-41.45	0	51.39	-	-	74	-22.61	3	101	V
			* 11.89012	41.97	ADR	38.9	-41.6	0.16	39.43	54	-14.57	-	-	3	200	H
			* 11.894627	41.99	ADR	38.9	-41.7	0.16	39.35	54	-14.65	-	-	3	101	V
			* 15.966444	54.84	PK-U	40.4	-42.66	0	52.58	-	-	74	-21.42	3	101	V
			* 15.980004	43.53	ADR	40.4	-42.3	0.16	41.79	54	-12.21	-	-	3	101	V
			* 15.984312	55.02	PK-U	40.4	-42.4	0	53.02	-	-	74	-20.98	3	200	H
			* 15.985823	43.73	ADR	40.4	-42.32	0.16	41.97	54	-12.03	-	-	3	200	H
	5203	6 + 5	* 3.898683	55.68	PK-U	33.4	-45.4	0	43.68	-	-	74	-30.32	0	200	H
			* 3.905421	55.33	PK-U	33.4	-45.4	0	43.33	-	-	74	-30.67	0	101	V
			* 3.910256	44.03	ADR	33.4	-45.27	0.16	32.32	54	-21.68	-	-	0	200	H
			* 3.910307	43.88	ADR	33.4	-45.27	0.16	32.17	54	-21.83	-	-	0	101	V
			* 11.847681	53.65	PK-U	38.9	-41.5	0	51.05	-	-	74	-22.95	0	200	H
			* 11.849404	41.97	ADR	38.9	-41.56	0.16	39.47	54	-14.53	-	-	0	200	V
			* 11.860814	41.97	ADR	38.9	-41.5	0.16	39.53	54	-14.47	-	-	0	200	H
			* 11.874724	53.53	PK-U	38.9	-41.5	0	50.93	-	-	74	-23.07	0	200	V
			* 15.767427	54.98	PK-U	40.4	-42.76	0	52.62	-	-	74	-21.38	0	101	H
			* 15.772192	43.31	ADR	40.4	-42.7	0.16	41.17	54	-12.83	-	-	0	101	H
			* 15.783609	55.17	PK-U	40.4	-42.3	0	53.27	-	-	74	-20.73	0	200	V
			* 15.785182	43.52	ADR	40.4	-42.12	0.16	41.96	54	-12.04	-	-	0	200	V
	5245	6 + 5	* 3.723246	56.53	PK-U	33.3	-45.22	0	44.61	-	-	74	-29.39	0	101	V
			* 3.724163	56	PK-U	33.3	-45.28	0	44.02	-	-	74	-29.98	0	199	H
			* 3.725632	44.09	ADR	33.3	-45.26	0.16	32.29	54	-21.71	-	-	0	101	V
			* 3.739916	44.17	ADR	33.3	-45.29	0.16	32.34	54	-21.66	-	-	0	199	H
			* 11.823099	53.52	PK-U	38.9	-42	0	50.42	-	-	74	-23.58	0	199	V
			* 11.835072	53.93	PK-U	38.8	-41.71	0	51.02	-	-	74	-22.98	0	199	H
			* 11.850392	41.94	ADR	38.9	-41.5	0.16	39.5	54	-14.5	-	-	0	199	H
			* 11.853708	41.94	ADR	38.9	-41.5	0.16	39.5	54	-14.48	-	-	0	199	V
			* 15.794653	43.59	ADR	40.4	-42.3	0.16	41.85	54	-12.15	-	-	0	199	V
			* 15.797938	55.46	PK-U	40.4	-42.39	0	53.47	-	-	74	-20.53	0	199	H
			* 15.807027	43.74	ADR	40.4	-42.6	0.16	41.7	54	-12.3	-	-	0	199	H
			* 15.808596	55.42	PK-U	40.4	-42.76	0	53.06	-	-	74	-20.94	0	199	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

UNI-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (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
XHDRPS2	5162	6 + 5	2.058927	60.96	PK-U	28.6	-49.49	0	40.07	-	-	68.2	-28.13	0	101	H
			2.070194	61.51	PK-U	28.6	-49.5	0	40.61	-	-	68.2	-27.59	0	198	V
			* 8.247666	56.68	PK-U	37.7	-45.7	0	48.68	-	-	74	-25.32	0	198	H
			* 8.232199	44.84	ADR	37.7	-45.7	0	36.84	54	-17.16	-	-	0	198	H
			* 8.225333	56.44	PK-U	37.7	-45.73	0	48.41	-	-	74	-25.59	0	101	V
			* 8.242751	44.89	ADR	37.7	-45.7	0	36.89	54	-17.11	-	-	0	101	V
			14.780777	54.97	PK-U	44.7	-43.9	0	55.77	-	-	68.2	-12.43	0	101	H
			14.783591	54.21	PK-U	44.8	-43.9	0	55.11	-	-	68.2	-13.09	0	199	V
	5203	6 + 5	2.062101	61.45	PK-U	28.6	-49.5	0	40.55	-	-	68.2	-27.65	360	199	H
			2.078461	61.24	PK-U	28.6	-49.5	0	40.34	-	-	68.2	-27.86	360	199	V
			* 8.299613	56.88	PK-U	37.6	-45.7	0	48.78	-	-	74	-25.22	360	199	H
			* 8.281609	44.73	ADR	37.7	-45.86	0	36.57	54	-17.43	-	-	360	199	H
			* 8.282773	56.23	PK-U	37.7	-45.9	0	48.03	-	-	74	-25.97	360	200	V
			* 8.291618	44.82	ADR	37.6	-45.8	0	36.62	54	-17.38	-	-	360	200	V
			14.854419	55.27	PK-U	45	-43.6	0	56.67	-	-	68.2	-11.53	360	101	H
			14.852894	54.75	PK-U	45	-43.7	0	56.05	-	-	68.2	-12.15	360	101	V
	5245	6 + 5	10.483069	48.91	PK-U	37.5	-36.9	0	49.51	-	-	68.2	-18.69	0	101	H
			10.483127	48.71	PK-U	37.5	-36.9	0	49.31	-	-	68.2	-18.89	0	199	V
			* 15.734969	45.58	PK-U	40.2	-33.5	0	52.28	-	-	74	-21.72	0	199	H
			* 15.752021	34.33	ADR	40.2	-33.5	0	41.03	54	-12.97	-	-	0	199	H
			* 15.730192	45.63	PK-U	40.2	-33.5	0	52.33	-	-	74	-21.67	0	101	V
			* 15.751354	33.93	ADR	40.2	-33.5	0	40.63	54	-13.37	-	-	0	101	V
			2.634375	54.66	PK-U	32.1	-43.7	0	43.06	-	-	68.2	-25.14	0	101	H
			2.629398	54.86	PK-U	32.1	-43.7	0	43.26	-	-	68.2	-24.94	0	199	V
HDRPM12	5162	6 + 5	2.581006	60.41	PK-U	32.5	-49.37	0	43.54	-	-	68.2	-24.66	360	100	H
			2.590953	60.06	PK-U	32.4	-49.47	0	42.99	-	-	68.2	-25.21	360	200	V
			7.773424	57.01	PK-U	35.8	-46.02	0	46.79	-	-	68.2	-21.41	360	100	H
			7.760276	56.51	PK-U	35.9	-46.09	0	46.32	-	-	68.2	-21.88	360	201	V
			10.351574	57.47	PK-U	38	-46.19	0	49.28	-	-	68.2	-18.92	360	100	H
			10.335764	57.73	PK-U	38	-46.17	0	49.56	-	-	68.2	-18.64	360	200	V
	5203	6 + 5	2.596258	60.1	PK-U	32.4	-49.53	0	42.97	-	-	68.2	-25.23	360	100	H
			2.592898	60.55	PK-U	32.4	-49.49	0	43.46	-	-	68.2	-24.74	360	201	V
			7.818907	56.55	PK-U	35.9	-45.55	0	46.9	-	-	68.2	-21.3	360	100	H
			7.817015	56.1	PK-U	35.9	-45.56	0	46.44	-	-	68.2	-21.76	360	201	V
			10.445083	57.26	PK-U	38	-45.74	0	49.52	-	-	68.2	-18.68	360	100	H
			10.45506	57.15	PK-U	38	-45.74	0	49.41	-	-	68.2	-18.79	360	200	V
	5245	6 + 5	2.645867	60.42	PK-U	32.4	-49.43	0	43.39	-	-	68.2	-24.81	360	100	H
			2.639635	60.14	PK-U	32.3	-49.37	0	43.07	-	-	68.2	-25.13	360	201	V
			7.848347	56.74	PK-U	36	-45.56	0	47.18	-	-	68.2	-21.02	360	100	H
			7.868095	56.17	PK-U	36	-45.68	0	46.49	-	-	68.2	-21.71	360	201	V
			10.495851	57.33	PK-U	38	-45.88	0	49.45	-	-	68.2	-18.75	360	100	H
			10.505024	57.5	PK-U	38	-45.79	0	49.71	-	-	68.2	-18.49	360	200	V

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

PK-U - U-NII: Maximum Peak

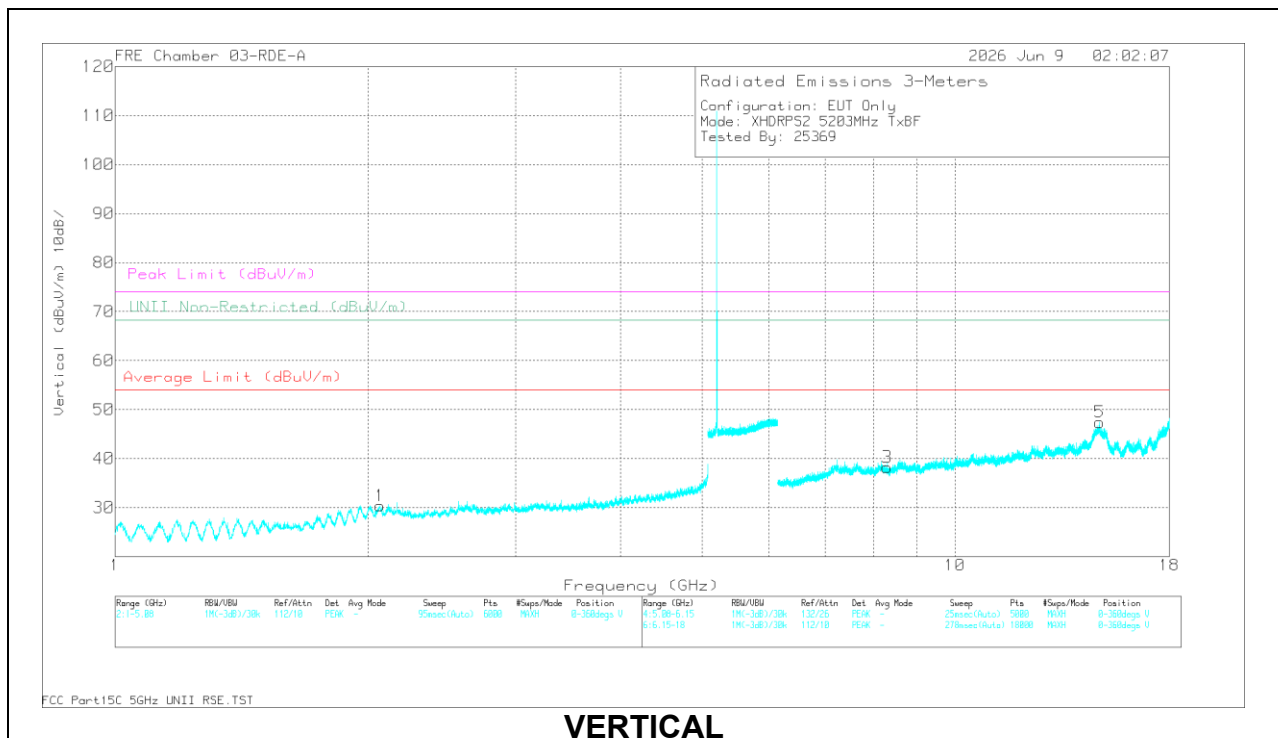
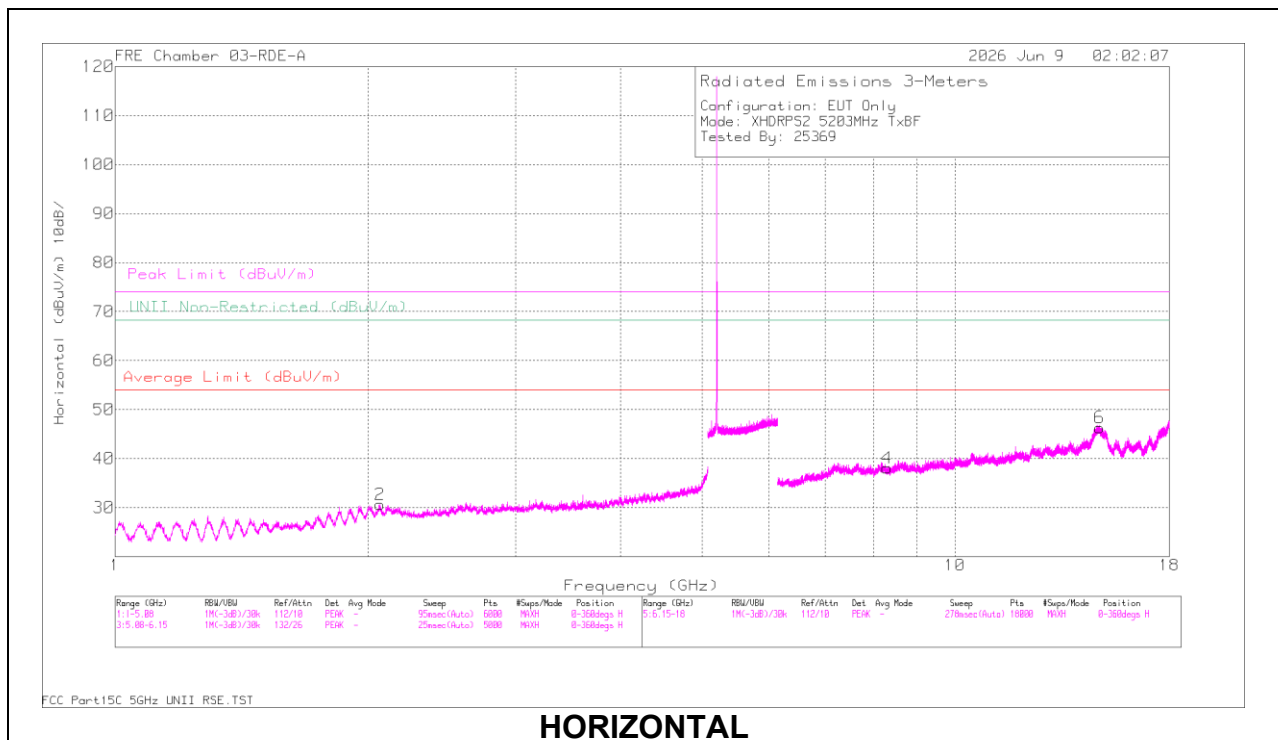
ADR - U-NII AD primary method, RMS average

UNII-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cb/ 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
HDRPM8	5162	6 + 5	* 1.312476	62.61	PK-U	29	-49.9	0	41.71	-	-	74	-32.29	0	200	H
			* 1.30981	50.88	ADR	29.1	-50.08	0.31	30.21	54	-23.79	-	-	0	200	H
			* 1.306481	62.74	PK-U	29.1	-49.95	0	41.89	-	-	74	-32.11	0	200	V
			* 1.315521	50.98	ADR	29	-50.05	0.31	30.24	54	-23.76	-	-	0	200	V
			* 2.730612	61.09	PK-U	32.4	-49.68	0	43.81	-	-	74	-30.19	0	200	H
			* 2.727992	49.23	ADR	32.4	-49.8	0.31	32.14	54	-21.86	-	-	0	200	H
			* 2.761484	60.77	PK-U	32.3	-49.35	0	43.72	-	-	74	-30.28	0	101	V
			* 2.729124	49.09	ADR	32.4	-49.71	0.31	32.09	54	-21.91	-	-	0	101	V
			* 11.103278	58	PK-U	37.9	-44.96	0	50.94	-	-	74	-23.06	0	200	H
			* 11.102229	46.17	ADR	37.9	-44.9	0.31	39.48	54	-14.52	-	-	0	200	H
			* 11.107354	57.79	PK-U	37.9	-45.04	0	50.65	-	-	74	-23.35	0	101	V
			* 11.101749	46.18	ADR	37.9	-44.98	0.31	39.41	54	-14.59	-	-	0	101	V
	5203	6 + 5	2.606563	60.3	PK-U	32.4	-48.7	0	44	-	-	68.2	-24.2	0	200	H
			2.601751	60.66	PK-U	32.4	-48.8	0	44.26	-	-	68.2	-23.94	0	200	V
			10.388573	56.98	PK-U	37.7	-44.66	0	50.02	-	-	68.2	-18.18	0	200	H
			10.416824	56.48	PK-U	37.8	-44.6	0	49.68	-	-	68.2	-18.52	0	200	V
			* 15.613826	52.78	PK-U	41.2	-40.7	0	53.28	-	-	74	-20.72	0	200	H
			* 15.590403	41.05	ADR	41.1	-40.7	0.31	41.76	54	-12.24	-	-	0	200	H
			* 15.580198	52.9	PK-U	41.1	-40.8	0	53.2	-	-	74	-20.8	0	101	V
			* 15.579247	41.35	ADR	41.1	-40.8	0.31	41.96	54	-12.04	-	-	0	101	V
			2.606017	60.3	PK-U	32.4	-48.7	0	44	-	-	68.2	-24.2	0	200	H
			2.605886	60.24	PK-U	32.4	-48.7	0	43.94	-	-	68.2	-24.26	0	101	V
	5245	6 + 5	10.473569	55.62	PK-U	37.8	-44.96	0	48.46	-	-	68.2	-19.74	0	101	H
			10.478566	56.37	PK-U	37.8	-45	0	49.17	-	-	68.2	-19.03	0	200	V
			* 15.758261	53.28	PK-U	41.2	-41.1	0	53.38	-	-	74	-20.62	0	101	H
			* 15.760124	41.56	ADR	41.2	-41.1	0.31	41.97	54	-12.03	-	-	0	101	H
			* 15.734296	53.51	PK-U	41.2	-41.2	0	53.51	-	-	74	-20.49	0	200	V
			* 15.73414	41.73	ADR	41.2	-41.2	0.31	42.04	54	-11.96	-	-	0	200	V
HDRPL8	5162	6 + 5	1.900775	62.03	PK-U	31.4	-50.01	0	43.42	-	-	68.2	-24.78	0	101	H
			1.897882	62.12	PK-U	31.4	-50.1	0	43.42	-	-	68.2	-24.78	0	101	V
			3.422698	58.68	PK-U	32.8	-47.93	0	43.55	-	-	68.2	-24.65	0	101	H
			3.422934	58.73	PK-U	32.8	-47.91	0	43.62	-	-	68.2	-24.58	0	200	V
			10.314513	60.62	PK-U	37.5	-48.1	0	50.02	-	-	68.2	-18.18	0	200	H
			10.326674	60.64	PK-U	37.5	-47.57	0	50.57	-	-	68.2	-17.63	0	200	V
			* 1.961515	61.94	PK-U	31.8	-49.9	0	43.84	-	-	68.2	-24.36	0	101	V
	5203	6 + 5	1.967855	62.31	PK-U	31.8	-49.97	0	44.14	-	-	68.2	-24.06	0	200	H
			* 3.658621	46.43	ADR	33.5	-47.82	0.23	32.34	54	-21.66	-	-	0	199	V
			* 3.65972	58.05	PK-U	33.5	-47.9	0	43.65	-	-	74	-30.35	0	101	H
			* 3.65982	46.54	ADR	33.5	-47.9	0.23	32.37	54	-21.63	-	-	0	101	H
			* 3.688908	58.4	PK-U	33.3	-48.18	0	43.52	-	-	74	-30.48	0	199	V
			10.399136	59.99	PK-U	37.6	-47.63	0	49.96	-	-	68.2	-18.24	0	101	V
			10.406988	59.76	PK-U	37.6	-48.1	0	49.26	-	-	68.2	-18.94	0	101	H
			* 1.693818	57.91	PK-U	29	-46.43	0	40.48	-	-	74	-33.52	0	101	H
	5245	6 + 5	* 1.694278	45.77	ADR	29	-46.43	0.23	28.57	54	-25.43	-	-	0	101	H
			* 1.677954	57.38	PK-U	28.7	-46.39	0	39.69	-	-	74	-34.31	0	200	V
			* 1.688879	46.07	ADR	28.9	-46.42	0.23	28.78	54	-25.22	-	-	0	200	V
			* 2.806231	58.27	PK-U	32.5	-47.14	0	43.63	-	-	74	-30.37	0	101	H
			* 2.801684	46.58	ADR	32.5	-47.15	0.23	32.16	54	-21.84	-	-	0	101	H
			* 2.808996	58.11	PK-U	32.5	-47.14	0	43.47	-	-	74	-30.53	0	200	V
			* 2.80635	46.39	ADR	32.5	-47.14	0.23	31.98	54	-22.02	-	-	0	200	V
			* 11.569448	53.26	PK-U	38.4	-41.36	0	50.3	-	-	74	-23.7	0	101	H
			* 11.558883	41.6	ADR	38.3	-41.26	0.23	38.87	54	-15.13	-	-	0	101	H
			* 11.577341	53.76	PK-U	38.4	-41.43	0	50.73	-	-	74	-23.27	0	200	V
			* 11.568439	41.71	ADR	38.4	-41.35	0.23	38.99	54	-15.01	-	-	0	200	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

**WORST-CASE HARMONICS AND SPURIOUS EMISSIONS
STATE B - MIMO TXBF – XHDRPS2 - High Power - 5203MHz**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80402 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	2.062101	61.45	PK-U	28.6	-49.5	0	40.55	-	-	68.2	-27.65	360	199	H
2	2.078461	61.24	PK-U	28.6	-49.5	0	40.34	-	-	68.2	-27.86	360	199	V
3	* 8.299613	56.88	PK-U	37.6	-45.7	0	48.78	-	-	74	-25.22	360	199	H
	* 8.281609	44.73	ADR	37.7	-45.86	0	36.57	54	-17.43	-	-	360	199	H
4	* 8.282773	56.23	PK-U	37.7	-45.9	0	48.03	-	-	74	-25.97	360	200	V
	* 8.291618	44.82	ADR	37.6	-45.8	0	36.62	54	-17.38	-	-	360	200	V
5	14.854419	55.27	PK-U	45	-43.6	0	56.67	-	-	68.2	-11.53	360	101	H
6	14.852894	54.75	PK-U	45	-43.7	0	56.05	-	-	68.2	-12.15	360	101	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

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

UNII-3 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Conversion Factor (dB)	Correct Reading EIRP (dBm)	Pk Limit (dBm)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	5733	6	5.725	-52.13	Pk	34.7	-31.75	0	11.8	-37.38	27	-64.38	347	143	H
			5.64525	-50.23	Pk	34.7	-31.83	0	11.8	-35.56	-27	-8.56	347	143	H
			5.725	-52.45	Pk	34.7	-31.75	0	11.8	-37.7	27	-64.7	46	181	V
			5.645484	-50.36	Pk	34.7	-31.83	0	11.8	-35.69	-27	-8.69	46	181	V
		5	5.725	-48.15	Pk	34.9	11.8	0	-37.45	-38.9	27	-65.9	302	132	H
			5.643917	-47.67	Pk	34.7	11.8	0	-37.6	-38.77	-27	-11.77	302	132	H
			5.725	-49.32	Pk	34.9	11.8	0	-37.45	-40.07	27	-67.07	343	188	V
			5.632667	-47.98	Pk	34.7	11.8	0	-37.63	-39.11	-27	-12.11	343	188	V
			5.85	-58.35	Pk	34.9	-16	0	11.8	-27.65	27	-54.65	337	349	H
	5844	6	5.957839	-66.68	Pk	35.2	-16	0	11.8	-35.68	-27	-8.68	337	349	H
			5.85	-58	Pk	34.9	-16	0	11.8	-27.3	27	-54.3	45	102	V
			5.981354	-66.72	Pk	35.2	-16.1	0	11.8	-35.82	-27	-8.82	45	102	V
			5.85	-48.61	Pk	35	-34.94	0	11.8	-36.75	27	-63.75	136	139	H
		5	5.93485	-48.45	Pk	35.2	-34.67	0	11.8	-36.12	-27	-9.12	136	139	H
			5.85	-50.26	Pk	35	-34.94	0	11.8	-38.4	27	-65.4	174	164	V
			5.970375	-48.66	Pk	35.2	-34.6	0	11.8	-36.26	-27	-9.26	174	164	V
			5.725	-52.48	Pk	34.7	-31.75	0	11.8	-37.73	27	-64.73	95	101	H
			5.631883	-50.42	Pk	34.7	-31.88	0	11.8	-35.8	-27	-8.8	95	101	H
LE1M	5733	6	5.725	-51.11	Pk	34.7	-31.75	0	11.8	-36.36	27	-63.36	38	101	V
			5.642767	-50.31	Pk	34.7	-31.87	0	11.8	-35.68	-27	-8.68	38	101	V
			5.725	-50.46	Pk	34.9	-34.6	0	11.8	-38.36	27	-65.36	112	110	H
			5.645617	-48.93	Pk	34.7	-34.6	0	11.8	-37.03	-27	-10.03	112	110	H
		5	5.725	-50.96	Pk	34.9	-34.6	0	11.8	-38.86	27	-65.86	155	166	V
			5.649784	-49.36	Pk	34.7	-34.6	0	11.8	-37.46	-27	-10.46	155	166	V
			5.85	-68.58	Pk	34.9	-16	0	11.8	-37.88	27	-64.88	345	229	H
			5.962255	-66.35	Pk	35.2	-16.1	0	11.8	-35.45	-27	-8.45	345	229	H
			5.85	-68.37	Pk	34.9	-16	0	11.8	-37.67	27	-64.67	28	102	V
	5844	6	5.945434	-66.17	Pk	35.2	-15.9	0	11.8	-35.07	-27	-8.07	28	102	V
			5.85	-49.21	Pk	35	-34.94	0	11.8	-37.35	27	-64.35	126	140	H
			5.958675	-48.43	Pk	35.2	-34.59	0	11.8	-36.02	-27	-9.02	126	140	H
			5.85	-50.33	Pk	35	-34.94	0	11.8	-38.47	27	-65.47	175	165	V
		5	5.981925	-48.42	Pk	35.2	-34.61	0	11.8	-36.03	-27	-9.03	175	165	V
			5.725	-52.13	Pk	34.7	-31.75	0	11.8	-37.38	27	-64.38	12	211	H
			5.645184	-50.44	Pk	34.7	-31.84	0	11.8	-35.78	-27	-8.78	12	211	H
			5.725	-51.7	Pk	34.7	-31.75	0	11.8	-36.95	27	-63.95	13	221	V
			5.6488	-50.23	Pk	34.7	-31.83	0	11.8	-35.56	-27	-8.56	13	221	V
LE2M	5733	6	5.725	-49.6	Pk	34.9	-34.6	0	11.8	-37.5	27	-64.5	109	146	H
			5.625617	-49.44	Pk	34.7	-34.6	0	11.8	-37.54	-27	-10.54	109	146	H
			5.725	-50.48	Pk	34.9	-34.6	0	11.8	-38.38	27	-65.38	153	120	V
			5.62565	-50.05	Pk	34.7	-34.6	0	11.8	-38.15	-27	-11.15	153	120	V
		5	5.85	-68.5	Pk	34.9	-16	0	11.8	-37.8	27	-64.8	25	153	H
			5.99736	-66.1	Pk	35.2	-16.2	0	11.8	-35.3	-27	-8.3	25	153	H
			5.85	-68.33	Pk	34.9	-16	0	11.8	-37.63	27	-64.63	359	152	V
			5.997922	-66.26	Pk	35.2	-16.2	0	11.8	-35.46	-27	-8.46	359	152	V
			5.85	-47.33	Pk	35	-34.94	0	11.8	-35.47	27	-62.47	125	158	H
	5844	6	5.9309	-48.44	Pk	35.1	-34.65	0	11.8	-36.19	-27	-9.19	125	158	H
			5.85	-49.84	Pk	35	-34.94	0	11.8	-37.98	27	-64.98	175	175	V
			5.9929	-48.8	Pk	35.2	-34.5	0	11.8	-36.3	-27	-9.3	175	175	V
		5	5.725	-52.13	Pk	34.7	-31.75	0	11.8	-37.38	27	-64.38	12	211	H
			5.645184	-50.44	Pk	34.7	-31.84	0	11.8	-35.78	-27	-8.78	12	211	H
			5.725	-51.7	Pk	34.7	-31.75	0	11.8	-36.95	27	-63.95	13	221	V
			5.6488	-50.23	Pk	34.7	-31.83	0	11.8	-35.56	-27	-8.56	13	221	V
			5.725	-49.6	Pk	34.9	-34.6	0	11.8	-37.5	27	-64.5	109	146	H
			5.625617	-49.44	Pk	34.7	-34.6	0	11.8	-37.54	-27	-10.54	109	146	H
			5.725	-50.48	Pk	34.9	-34.6	0	11.8	-38.38	27	-65.38	153	120	V
			5.62565	-50.05	Pk	34.7	-34.6	0	11.8	-38.15	-27	-11.15	153	120	V
			5.85	-68.5	Pk	34.9	-16	0	11.8	-37.8	27	-64.8	25	153	H
			5.99736	-66.1	Pk	35.2	-16.2	0	11.8	-35.3	-27	-8.3	25	153	H
			5.85	-68.33	Pk	34.9	-16	0	11.8	-37.63	27	-64.63	359	152	V
			5.997922	-66.26	Pk	35.2	-16.2	0	11.8	-35.46	-27	-8.46	359	152	V
			5.85	-47.33	Pk	35	-34.94	0	11.8	-35.47	27	-62.47	125	158	H
			5.9309	-48.44	Pk	35.1	-34.65	0	11.8	-36.19	-27	-9.19	125	158	H
			5.85	-49.84	Pk	35	-34.94	0	11.8	-37.98	27	-64.98	175	175	V
			5.9929	-48.8	Pk	35.2	-34.5	0	11.8	-36.3	-27	-9.3	175	175	V

Pk - Peak detector

UNII-3 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DCCF (dB)	Conversion Factor (dB)	Correct Reading EIRP (dBm)	Pk Limit (dBm)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDT2	5733	6	5.725	-50.94	Pk	34.7	-31.75	0	11.8	-36.19	27	-63.19	155	204	H
			5.640884	-50.06	Pk	34.7	-31.86	0	11.8	-35.42	-27	-8.42	155	204	H
			5.725	-51.74	Pk	34.7	-31.75	0	11.8	-36.99	27	-63.99	203	151	V
			5.627967	-49.02	Pk	34.7	-31.91	0	11.8	-34.43	-27	-7.43	203	151	V
		5	5.725	-48.18	Pk	34.9	-34.6	0	11.8	-36.08	27	-63.08	110	111	H
			5.63665	-48.57	Pk	34.7	-34.7	0	11.8	-36.77	-27	-9.77	110	111	H
			5.725	-50.83	Pk	34.9	-34.6	0	11.8	-38.73	27	-65.73	154	119	V
			5.645034	-49.28	Pk	34.7	-34.6	0	11.8	-37.38	-27	-10.38	154	119	V
	5844	6	5.85	-45.07	Pk	34.7	-37.3	0	11.8	-35.87	27	-62.87	14	176	H
			5.99765	-47.79	Pk	35.1	-37	0	11.8	-37.89	-27	-10.89	14	176	H
			5.85	-45.11	Pk	34.7	-37.3	0	11.8	-35.91	27	-62.91	26	106	V
			5.988575	-48.11	Pk	35.1	-37	0	11.8	-38.21	-27	-11.21	26	106	V
		5	5.85	-43.49	Pk	35	-34.94	0	11.8	-31.63	27	-58.63	122	152	H
			5.97435	-48.56	Pk	35.2	-34.51	0	11.8	-36.07	-27	-9.07	122	152	H
			5.85	-47.11	Pk	35	-34.94	0	11.8	-35.25	27	-62.25	176	190	V
			5.9347	-48.65	Pk	35.2	-34.66	0	11.8	-36.31	-27	-9.31	176	190	V
XHDRPS2	5733	6	5.725	-51.9	Pk	34.7	-31.75	0	11.8	-37.15	27	-64.15	102	195	H
			5.643317	-49.45	Pk	34.7	-31.86	0	11.8	-34.81	-27	-7.81	102	195	H
			5.725	-52.13	Pk	34.7	-31.75	0	11.8	-37.38	27	-64.38	107	163	V
			5.636417	-49.72	Pk	34.7	-31.88	0	11.8	-35.1	-27	-8.1	107	163	V
		5	5.725	-51.28	Pk	34.5	-34.1	0	11.8	-39.08	27	-66.08	342	130	H
			5.639767	-49.93	Pk	34.3	-34.19	0	11.8	-38.02	-27	-11.02	342	130	H
			5.725	-51.51	Pk	34.5	-34.1	0	11.8	-39.31	27	-66.31	358	163	V
			5.626033	-50.03	Pk	34.3	-34.25	0	11.8	-38.18	-27	-11.18	358	163	V
	5844	6	5.85	-50.66	Pk	35	-33.85	0	11.8	-37.71	27	-64.71	304	198	H
			5.997375	-49.4	Pk	35.2	-33.68	0	11.8	-36.08	-27	-9.08	304	198	H
			5.85	-50.77	Pk	35	-33.85	0	11.8	-37.82	27	-64.82	2	136	V
			5.9652	-49.42	Pk	35.2	-33.59	0	11.8	-36.01	-27	-9.01	2	136	V
		5	5.85	-48.53	Pk	35	-33.85	0	11.8	-35.58	27	-62.58	358	251	H
			5.986475	-48.74	Pk	35.2	-33.64	0	11.8	-35.38	-27	-8.38	358	251	H
			5.85	-50.33	Pk	35	-33.85	0	11.8	-37.38	27	-64.38	12	189	V
			5.9358	-49.87	Pk	35.2	-33.47	0	11.8	-36.34	-27	-9.34	12	189	V
HDRPM8	5733	6	5.725	-43.63	Pk	34.7	-31.75	0	11.8	-28.88	27	-55.88	154	195	H
			5.6316	-50.19	Pk	34.7	-31.88	0	11.8	-35.57	-27	-8.57	154	195	H
			5.725	-47.65	Pk	34.7	-31.75	0	11.8	-32.9	27	-59.9	197	182	V
			5.64545	-50.03	Pk	34.7	-31.83	0	11.8	-35.36	-27	-8.36	197	182	V
		5	5.725	-40.02	Pk	34.5	-34.1	0	11.8	-27.82	27	-54.82	347	134	H
			5.630217	-49.23	Pk	34.3	-34.24	0	11.8	-37.37	-27	-10.37	347	134	H
			5.725	-43.97	Pk	34.5	-34.1	0	11.8	-31.77	27	-58.77	19	203	V
			5.642134	-50.23	Pk	34.3	-34.23	0	11.8	-38.36	-27	-11.36	19	203	V
	5844	6	5.85	-35.23	Pk	34.7	-37.3	0	11.8	-26.03	27	-53.03	339	187	H
			5.96995	-47.63	Pk	35	-37.1	0	11.8	-37.93	-27	-10.93	339	187	H
			5.85	-37.16	Pk	34.7	-37.3	0	11.8	-27.96	27	-54.96	26	104	V
			5.98745	-47.52	Pk	35.1	-37	0	11.8	-37.62	-27	-10.62	26	104	V
		5	5.85	-34.26	Pk	35	-33.85	0	11.8	-21.31	27	-48.31	2	197	H
			5.941225	-49.96	Pk	35.2	-33.45	0	11.8	-36.41	-27	-9.41	2	197	H
			5.85	-39.06	Pk	35	-33.85	0	11.8	-26.11	27	-53.11	2	198	V
			5.9923	-49.5	Pk	35.2	-33.61	0	11.8	-36.11	-27	-9.11	2	198	V
HDRPL8	5733	6	5.725	-36.91	Pk	34.7	-31.75	0	11.8	-22.16	27	-49.16	160	213	H
			5.63125	-49.9	Pk	34.7	-31.87	0	11.8	-35.27	-27	-8.27	160	213	H
			5.725	-41.96	Pk	34.7	-31.75	0	11.8	-27.21	27	-54.21	193	171	V
			5.63475	-49.65	Pk	34.7	-31.88	0	11.8	-35.03	-27	-8.03	193	171	V
		5	5.725	-32.1	Pk	34.9	-37.45	0	11.8	-22.85	27	-49.85	309	127	H
			5.648134	-47.68	Pk	34.7	-37.61	0	11.8	-38.79	-27	-11.79	309	127	H
			5.725	-33.54	Pk	34.9	-37.45	0	11.8	-24.29	27	-51.29	355	166	V
			5.641984	-47.57	Pk	34.7	-37.59	0	11.8	-38.66	-27	-11.66	355	166	V
	5844	6	5.85	-18.48	Pk	34.7	-37.3	0	11.8	-9.28	27	-36.28	335	396	H
			5.945775	-47.42	Pk	35	-37.1	0	11.8	-37.72	-27	-10.72	335	396	H
			5.85	-19.87	Pk	34.7	-37.3	0	11.8	-10.67	27	-37.67	17	105	V
			5.9794	-47.91	Pk	35.1	-37	0	11.8	-38.01	-27	-11.01	17	105	V
		5	5.85	-13.4	Pk	35.2	-37.23	0	11.8	-3.63	27	-30.63	313	115	H
			5.99305	-47.41	Pk	35.4	-36.94	0	11.8	-37.15	-27	-10.15	313	115	H
			5.85	-16.18	Pk	35.2	-37.23	0	11.8	-6.41	27	-33.41	352	182	V
			5.974225	-47.35	Pk	35.4	-36.9	0	11.8	-37.05	-27	-10.05	352	182	V

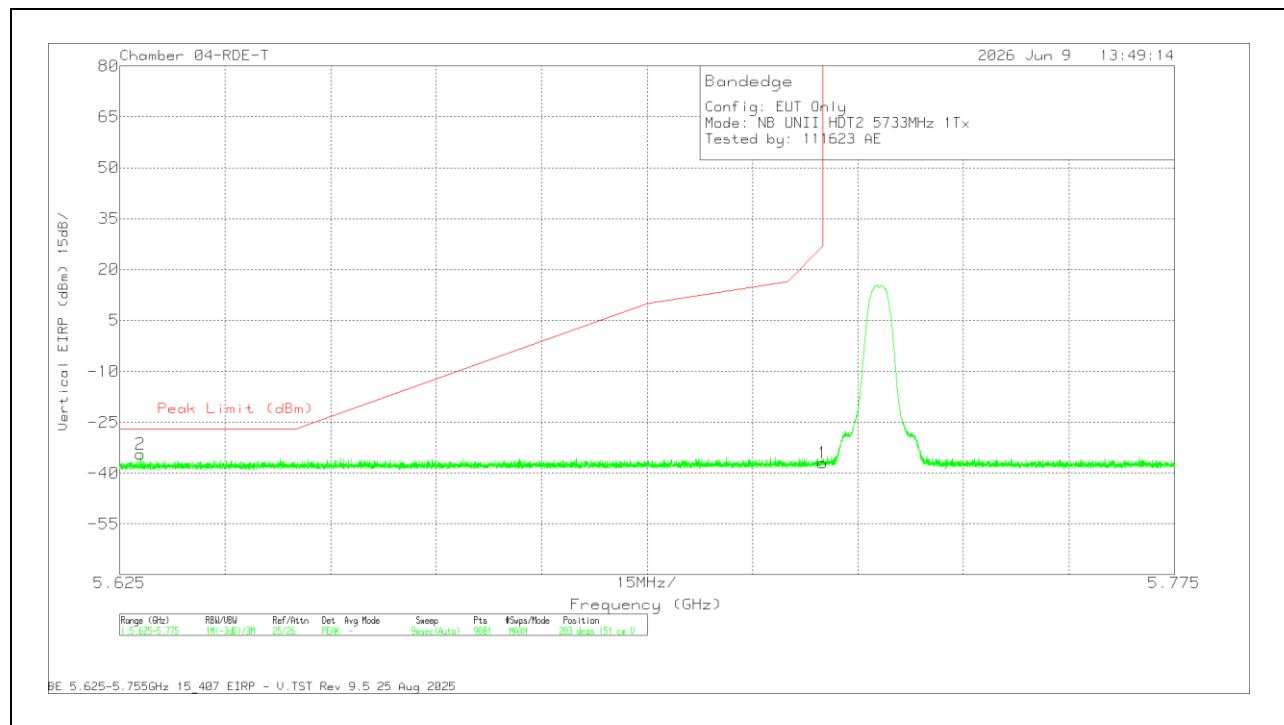
Pk - Peak detector

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

UNII-3 (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/F ltr/Pad (dB)	DCCF (dB)	Conversion Factor (dB)	Correct Reading EIRP (dBm)	Pk Limit (dBm)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	5733	6 + 5	5.725	-50.6	Pk	34.7	-31.75	0	11.8	-35.85	27	-62.85	198	164	H
			5.634067	-49.69	Pk	34.7	-31.88	0	11.8	-35.07	-27	-8.07	198	164	H
			5.725	-51.81	Pk	34.7	-31.75	0	11.8	-37.06	27	-64.06	208	157	V
			5.643534	-50.19	Pk	34.7	-31.85	0	11.8	-35.54	-27	-8.54	208	157	V
	5844	6 + 5	5.85	-47.28	Pk	34.7	-37.3	0	11.8	-38.08	27	-65.08	12	299	H
			5.9502	-46.92	Pk	35	-37.1	0	11.8	-37.22	-27	-10.22	12	299	H
			5.85	-49.28	Pk	34.7	-37.3	0	11.8	-40.08	27	-67.08	342	300	V
			5.937	-47.54	Pk	35	-37.1	0	11.8	-37.84	-27	-10.84	342	300	V
HDT2	5733	6 + 5	5.725	-49.65	Pk	34.7	-31.75	0	11.8	-34.9	27	-61.9	183	309	H
			5.640067	-49.91	Pk	34.7	-31.89	0	11.8	-35.3	-27	-8.3	183	309	H
			5.725	-51.95	Pk	34.7	-31.75	0	11.8	-37.2	27	-64.2	210	182	V
			5.642067	-49.42	Pk	34.7	-31.86	0	11.8	-34.78	-27	-7.78	210	182	V
	5844	6 + 5	5.85	-41.56	Pk	34.7	-37.3	0	11.8	-32.36	27	-59.36	189	382	H
			5.976375	-47.73	Pk	35.1	-37.06	0	11.8	-37.89	-27	-10.89	189	382	H
			5.85	-48.06	Pk	34.7	-37.3	0	11.8	-38.86	27	-65.86	137	286	V
			5.973275	-47.89	Pk	35.1	-37	0	11.8	-37.99	-27	-10.99	137	286	V
LE1M	5733	6 + 5	5.725	-50.38	Pk	34.7	-31.75	0	11.8	-35.63	27	-62.63	181	114	H
			5.634284	-50.13	Pk	34.7	-31.88	0	11.8	-35.51	-27	-8.51	181	114	H
			5.725	-51.91	Pk	34.7	-31.75	0	11.8	-37.16	27	-64.16	250	106	V
			5.639467	-50.31	Pk	34.7	-31.88	0	11.8	-35.69	-27	-8.69	250	106	V
	5844	6 + 5	5.85	-46.23	Pk	34.7	-37.3	0	11.8	-37.03	27	-64.03	355	382	H
			5.969075	-47.59	Pk	35	-37.1	0	11.8	-37.89	-27	-10.89	355	382	H
			5.85	-46.56	Pk	34.7	-37.3	0	11.8	-37.36	27	-64.36	46	204	V
			5.9958	-47.88	Pk	35.1	-37	0	11.8	-37.98	-27	-10.98	46	204	V
LE2M	5733	6 + 5	5.725	-51.56	Pk	34.7	-31.75	0	11.8	-36.81	27	-63.81	229	169	H
			5.637684	-50.33	Pk	34.7	-31.88	0	11.8	-35.71	-27	-8.71	229	169	H
			5.725	-52.03	Pk	34.7	-31.75	0	11.8	-37.28	27	-64.28	157	169	V
			5.62725	-50.08	Pk	34.7	-31.9	0	11.8	-35.48	-27	-8.48	157	169	V
	5844	6 + 5	5.85	-45.31	Pk	34.7	-37.3	0	11.8	-36.11	27	-63.11	181	269	H
			5.930075	-47.41	Pk	35	-37.1	0	11.8	-37.71	-27	-10.71	181	269	H
			5.85	-46.48	Pk	34.7	-37.3	0	11.8	-37.28	27	-64.28	209	163	V
			5.976575	-47.96	Pk	35.1	-37.04	0	11.8	-38.1	-27	-11.1	209	163	V
XHDP52	5733	6 + 5	5.725	-50.84	Pk	34.7	-31.75	0	11.8	-36.09	27	-63.09	167	297	H
			5.63615	-49.98	Pk	34.7	-31.87	0	11.8	-35.35	-27	-8.35	167	297	H
			5.725	-52.16	Pk	34.7	-31.75	0	11.8	-37.41	27	-64.41	238	185	V
			5.632817	-49.89	Pk	34.7	-31.86	0	11.8	-35.25	-27	-8.25	238	185	V
	5844	6 + 5	5.85	-47.52	Pk	35	-33.85	0	11.8	-34.57	27	-61.57	358	303	H
			5.959875	-49.32	Pk	35.2	-33.5	0	11.8	-35.82	-27	-8.82	358	303	H
			5.85	-50.73	Pk	35	-33.85	0	11.8	-37.78	27	-64.78	358	208	V
			5.92625	-49.65	Pk	35.2	-33.71	0	11.8	-36.36	-27	-9.36	358	208	V
HDRPM8	5733	6 + 5	5.725	-37.64	Pk	34.7	-31.75	0	11.8	-22.89	27	-49.89	183	307	H
			5.648667	-50.12	Pk	34.7	-31.82	0	11.8	-35.44	-27	-8.44	183	307	H
			5.725	-42.39	Pk	34.7	-31.75	0	11.8	-27.64	27	-54.64	238	187	V
			5.643067	-50.13	Pk	34.7	-31.87	0	11.8	-35.5	-27	-8.5	238	187	V
	5844	6 + 5	5.85	-48.44	Pk	34.7	-37.3	0	11.8	-39.24	27	-66.24	10	305	H
			5.942575	-47.97	Pk	35	-37.1	0	11.8	-38.27	-27	-11.27	10	305	H
			5.85	-50.81	Pk	34.7	-37.3	0	11.8	-41.61	27	-68.61	22	201	V
			5.992375	-48.38	Pk	35.1	-37	0	11.8	-38.48	-27	-11.48	22	201	V
HDRPL8	5733	6 + 5	5.725	-30.13	Pk	34.7	-31.75	0	11.8	-15.38	27	-42.38	186	321	H
			5.638	-49.53	Pk	34.7	-31.88	0	11.8	-34.91	-27	-7.91	186	321	H
			5.725	-33.89	Pk	34.7	-31.75	0	11.8	-19.14	27	-46.14	212	172	V
			5.642834	-49.84	Pk	34.7	-31.87	0	11.8	-35.21	-27	-8.21	212	172	V
	5844	6 + 5	5.85	-11.87	Pk	34.7	-37.3	0	11.8	-2.67	27	-29.67	181	383	H
			5.981225	-47.4	Pk	35.1	-37	0	11.8	-37.5	-27	-10.5	181	383	H
			5.85	-14.84	Pk	34.7	-37.3	0	11.8	-5.64	27	-32.64	228	198	V
			5.98275	-47.52	Pk	35.1	-37	0	11.8	-37.62	-27	-10.62	228	198	V

Pk - Peak detector

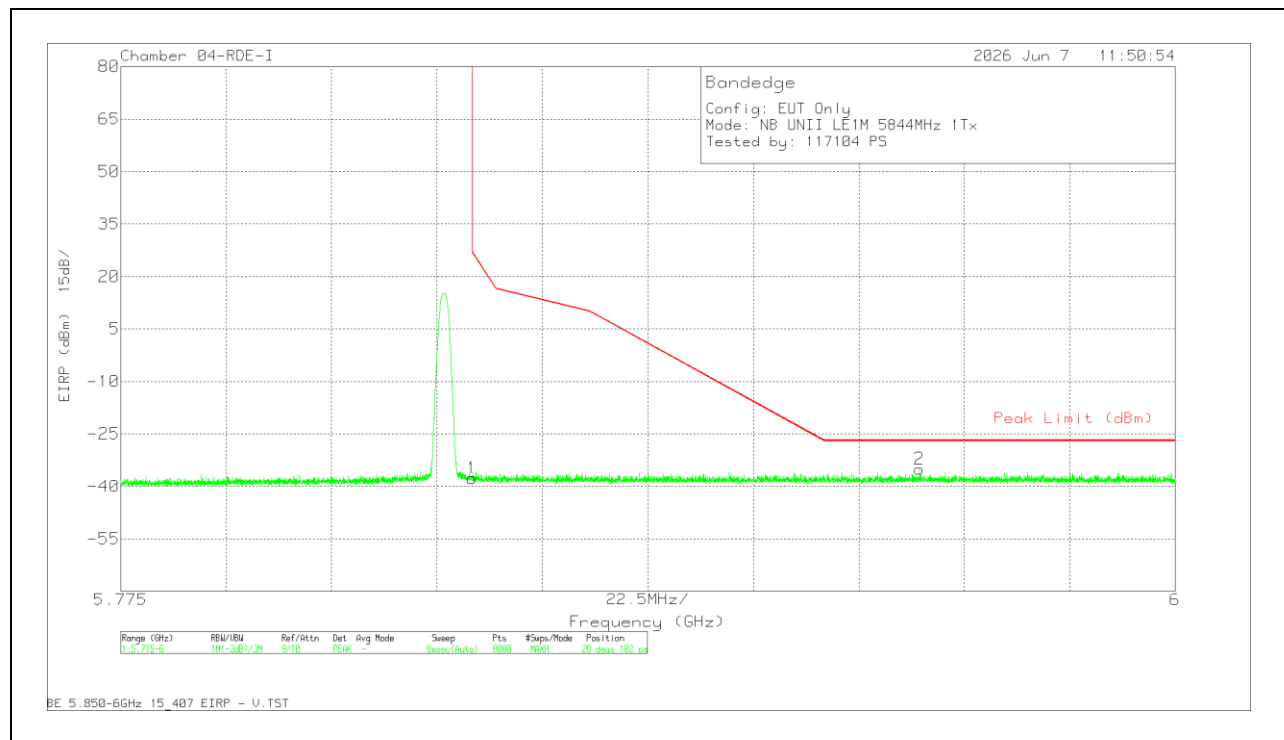
WORST-CASE LOW BANDEDGE **STATE B – SISO ANT 6 – HDT2 – High Power – 5733MHz - Vertical**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	79834 ACF (dBm)	Gain/Loss (dB)	DCCF (dB)	Conversion Factor (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-51.74	Pk	34.7	-31.75	0	11.8	-36.99	27	-63.99	203	151	V
2	5.627967	-49.02	Pk	34.7	-31.91	0	11.8	-34.43	-27	-7.43	203	151	V

Pk - Peak detector

WORST-CASE HIGH BANDEDGE **STATE B – SISO ANT 6 – LE1M – High Power – 5844MHz - Vertical**



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	222740 ACF (dB/m)	Amp/Cbl/Pa d (dB)	DCCF (dB)	Conversion Factor (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.37	Pk	34.9	-16	0	11.8	-37.67	27	-64.67	28	102	V
2	5.945434	-66.17	Pk	35.2	-15.9	0	11.8	-35.07	-27	-8.07	28	102	V

Pk - Peak detector

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

UNII-3 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (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	5733	6 + 5	3.142707	58.1	PK-U	33	-47.95	0	43.15	-	-	68.2	-25.05	0	200	H
			3.15444	59.2	PK-U	33	-47.89	0	44.31	-	-	68.2	-23.89	0	200	V
			* 8.154219	55.25	PK-U	35.9	-44.57	0	46.58	-	-	74	-27.42	0	101	H
			* 8.141121	43.09	ADR	35.9	-44.63	1.15	35.51	54	-18.49	-	-	0	101	H
			* 8.146605	54.83	PK-U	35.9	-44.6	0	46.13	-	-	74	-27.87	0	200	V
			* 8.149929	42.98	ADR	35.9	-44.59	1.15	35.44	54	-18.56	-	-	0	200	V
			13.892835	53.01	PK-U	39.4	-42.74	0	49.67	-	-	68.2	-18.53	0	200	H
			13.86598	53.15	PK-U	39.4	-42.58	0	49.97	-	-	68.2	-18.23	0	200	V
			* 3.852927	45.64	ADR	33.4	-47.17	1.15	33.02	54	-20.98	-	-	1	101	H
			* 3.860234	57.65	PK-U	33.4	-47.11	0	43.94	-	-	74	-30.06	1	101	H
			* 3.856721	45.78	ADR	33.4	-47.09	1.15	33.24	54	-20.76	-	-	1	101	V
			* 3.870108	57.27	PK-U	33.4	-47.24	0	43.43	-	-	74	-30.57	1	101	V
	5788	6 + 5	10.005863	55.42	PK-U	37.2	-44.95	0	47.67	-	-	68.2	-20.53	1	200	H
			9.996545	55.16	PK-U	37.2	-45.19	0	47.17	-	-	68.2	-21.03	1	200	V
			16.864705	49.3	PK-U	42.1	-39.75	0	51.65	-	-	68.2	-16.55	1	200	H
			16.874915	49.52	PK-U	42	-40.06	0	51.46	-	-	68.2	-16.74	1	200	V
			3.158136	57.72	PK-U	33	-47.91	0	42.81	-	-	68.2	-25.39	0	101	H
			3.16623	58.75	PK-U	33	-47.85	0	43.9	-	-	68.2	-24.3	0	199	V
			* 8.231854	55.3	PK-U	35.9	-44.47	0	46.73	-	-	74	-27.27	0	101	H
			* 8.261077	43.01	ADR	36	-44.49	1.15	35.67	54	-18.33	-	-	0	101	H
			* 8.255808	54.78	PK-U	36	-44.54	0	46.24	-	-	74	-27.76	0	101	V
			* 8.255021	43.24	ADR	36	-44.56	1.15	35.83	54	-18.17	-	-	0	101	V
			13.716937	52.66	PK-U	39.3	-42.6	0	49.36	-	-	68.2	-18.84	0	101	H
			13.703484	53.55	PK-U	39.3	-42.61	0	50.24	-	-	68.2	-17.96	0	199	V
	5733	6 + 5	3.146872	57.82	PK-U	33	-47.9	0	42.92	-	-	68.2	-25.28	0	199	H
			3.151159	58.31	PK-U	33	-47.88	0	43.43	-	-	68.2	-24.77	0	199	V
			* 8.256635	54.81	PK-U	36	-44.51	0	46.3	-	-	74	-27.7	0	199	H
			* 8.269435	43.07	ADR	36	-44.63	0.72	35.16	54	-18.84	-	-	0	199	H
			* 8.27554	55.31	PK-U	36	-44.7	0	46.61	-	-	74	-27.39	0	200	V
			* 8.264851	43.23	ADR	36	-44.59	0.72	35.36	54	-18.64	-	-	0	200	V
			13.668744	52.39	PK-U	39.3	-42.39	0	49.3	-	-	68.2	-18.9	0	101	H
			13.697695	52.99	PK-U	39.3	-42.58	0	49.71	-	-	68.2	-18.49	0	200	V
			* 3.847196	57.4	PK-U	33.4	-47.36	0	43.44	-	-	74	-30.56	0	101	H
			* 3.847635	45.76	ADR	33.4	-47.35	0.72	32.53	54	-21.47	-	-	0	200	V
			* 3.848056	45.76	ADR	33.4	-47.34	0.72	32.54	54	-21.46	-	-	0	101	H
			* 3.857462	57.74	PK-U	33.4	-47.08	0	44.06	-	-	74	-29.94	0	200	V
	5788	6 + 5	9.996487	55.07	PK-U	37.2	-45.18	0	47.09	-	-	68.2	-21.11	0	101	H
			9.993554	54.7	PK-U	37.2	-45.08	0	46.82	-	-	68.2	-21.38	0	101	V
			16.546115	50.46	PK-U	41.8	-40.97	0	51.29	-	-	68.2	-16.91	0	199	H
			16.554297	50.05	PK-U	41.8	-40.92	0	50.93	-	-	68.2	-17.27	0	200	V
			* 3.847196	57.4	PK-U	33.4	-47.36	0	43.44	-	-	74	-30.56	0	101	H
			* 3.847635	45.76	ADR	33.4	-47.35	0.72	32.53	54	-21.47	-	-	0	200	V
			* 3.848056	45.76	ADR	33.4	-47.34	0.72	32.54	54	-21.46	-	-	0	101	H
			* 3.857462	57.74	PK-U	33.4	-47.08	0	44.06	-	-	74	-29.94	0	200	V
			9.996487	55.07	PK-U	37.2	-45.18	0	47.09	-	-	68.2	-21.11	0	101	H
			9.993554	54.7	PK-U	37.2	-45.08	0	46.82	-	-	68.2	-21.38	0	101	V
			16.546115	50.46	PK-U	41.8	-40.97	0	51.29	-	-	68.2	-16.91	0	199	H
			16.554297	50.05	PK-U	41.8	-40.92	0	50.93	-	-	68.2	-17.27	0	200	V
5844	6 + 5	3.033342	58.62	PK-U	32.9	-47.62	0	43.9	-	-	68.2	-24.3	0	101	H	
		3.040708	58.27	PK-U	32.9	-47.68	0	43.49	-	-	68.2	-24.71	0	200	V	
		* 8.28236	54.69	PK-U	36	-44.66	0	46.03	-	-	74	-27.97	0	101	H	
		* 8.295196	43	ADR	36	-44.59	0.72	35.13	54	-18.87	-	-	0	101	H	
		* 8.296834	54.96	PK-U	36	-44.65	0	46.31	-	-	74	-27.69	0	101	V	
		* 8.28331	43.06	ADR	36	-44.64	0.72	35.14	54	-18.86	-	-	0	101	V	
		13.572364	52.87	PK-U	39.3	-42.59	0	49.58	-	-	68.2	-18.62	0	200	H	
		13.576458	53.51	PK-U	39.3	-42.53	0	50.28	-	-	68.2	-17.92	0	200	V	
		3.033342	58.62	PK-U	32.9	-47.62	0	43.9	-	-	68.2	-24.3	0	101	H	
		3.040708	58.27	PK-U	32.9	-47.68	0	43.49	-	-	68.2	-24.71	0	200	V	
		* 8.28236	54.69	PK-U	36	-44.66	0	46.03	-	-	74	-27.97	0	101	H	
		* 8.295196	43	ADR	36	-44.59	0.72	35.13	54	-18.87	-	-	0	101	H	
* 8.296834	54.96	PK-U	36	-44.65	0	46.31	-	-	74	-27.69	0	101	V			
* 8.28331	43.06	ADR	36	-44.64	0.72	35.14	54	-18.86	-	-	0	101	V			
13.572364	52.87	PK-U	39.3	-42.59	0	49.58	-	-	68.2	-18.62	0	200	H			
13.576458	53.51	PK-U	39.3	-42.53	0	50.28	-	-	68.2	-17.92	0	200	V			

UNII-3 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cb/ Fltr/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	1.949604	62.02	PK-U	31.7	-50.14	0	43.58	-	-	68.2	-24.62	360	200	H
			1.952562	62.23	PK-U	31.7	-50.23	0	43.7	-	-	68.2	-24.5	360	200	V
			* 3.567367	45.9	ADR	33.1	-48.04	2.49	33.45	54	-20.55	-	-	360	200	H
			* 3.591714	58.03	PK-U	33.3	-48.01	0	43.32	-	-	74	-30.68	360	200	V
			* 3.592914	57.75	PK-U	33.3	-48.01	0	43.04	-	-	74	-30.96	360	200	H
			* 3.603361	46.09	ADR	33.4	-48.13	2.49	33.85	54	-20.15	-	-	360	200	V
			* 11.461748	57.96	PK-U	38.2	-45.5	0	50.66	-	-	74	-23.34	360	199	V
			* 11.483909	45.76	ADR	38.2	-44.92	2.49	41.53	54	-12.47	-	-	360	101	H
			* 11.485655	45.75	ADR	38.2	-45.07	2.49	41.37	54	-12.63	-	-	360	199	V
			11.504793	57.7	PK-U	38.2	-44.86	0	51.04	-	-	74	-22.96	360	101	H
			1.847948	61.97	PK-U	31.2	-50.09	0	43.08	-	-	68.2	-25.12	360	101	H
			1.851918	62.12	PK-U	31.2	-50.2	0	43.12	-	-	68.2	-25.08	360	200	V
	5788	6 + 5	* 2.365655	61.34	PK-U	31.9	-50.17	0	43.07	-	-	74	-30.93	360	200	H
			* 2.365955	49.47	ADR	32.1	-49.9	2.49	34.16	54	-19.84	-	-	360	200	H
			* 2.371686	61.11	PK-U	31.9	-50.16	0	42.85	-	-	74	-31.15	360	200	V
			* 2.369973	49.42	ADR	31.9	-50.26	2.49	33.55	54	-20.45	-	-	360	200	V
			* 11.586935	57.68	PK-U	38.3	-45.32	0	50.66	-	-	74	-23.34	360	200	H
			* 11.599211	45.72	ADR	38.3	-45.46	2.49	41.05	54	-12.95	-	-	360	200	H
			* 11.575288	58.11	PK-U	38.3	-45.42	0	50.99	-	-	74	-23.01	360	200	V
			* 11.57536	46.21	ADR	38.3	-45.44	2.49	41.56	54	-12.44	-	-	360	200	V
			1.958561	61.77	PK-U	31.8	-49.52	0	44.05	-	-	68.2	-24.15	0	199	H
			1.96415	62.28	PK-U	31.8	-50.1	0	43.98	-	-	68.2	-24.22	0	101	V
			2.394799	60.97	PK-U	32	-50.22	0	42.75	-	-	74	-31.25	0	200	V
			2.414733	61.09	PK-U	32.2	-50.33	0	42.96	-	-	68.2	-25.24	0	101	H
			* 11.673009	58.02	PK-U	38.4	-45.5	0	50.92	-	-	74	-23.08	0	101	V
			* 11.679614	46.15	ADR	38.4	-45.92	2.49	41.12	54	-12.88	-	-	0	101	V
			* 11.689082	57.89	PK-U	38.4	-45.69	0	50.6	-	-	74	-23.4	0	200	H
			* 11.693895	46.1	ADR	38.5	-45.71	2.49	41.38	54	-12.62	-	-	0	200	H
HDT2	5733	6 + 5	* 3.71212	55.99	PK-U	33.2	-45.2	0	43.99	-	-	74	-30.01	0	101	V
			* 3.718059	56.45	PK-U	33.2	-45.11	0	44.54	-	-	74	-29.46	0	101	H
			* 3.7378	44.16	ADR	33.3	-45.22	0.16	32.4	54	-21.6	-	-	0	101	V
			* 3.737919	44.34	ADR	33.3	-45.21	0.16	32.59	54	-21.41	-	-	0	101	H
			* 11.02062	54.82	PK-U	37.6	-42.14	0	50.28	-	-	74	-23.72	0	101	H
			* 11.025606	54.6	PK-U	37.7	-42.24	0	50.06	-	-	74	-23.94	0	200	V
			* 11.041344	42.76	ADR	37.6	-42.23	0.16	38.29	54	-15.71	-	-	0	200	V
			* 11.042198	42.74	ADR	37.6	-42.1	0.16	38.4	54	-15.6	-	-	0	101	H
			* 15.732562	55.67	PK-U	40.4	-42.11	0	53.96	-	-	74	-20.04	0	200	H
			* 15.74218	55.17	PK-U	40.4	-42	0	53.57	-	-	74	-20.43	0	101	V
			* 15.754135	43.57	ADR	40.4	-42.21	0.16	41.92	54	-12.08	-	-	0	200	H
			* 15.755117	43.45	ADR	40.4	-42.3	0.16	41.71	54	-12.29	-	-	0	101	V
	5788	6 + 5	* 3.74398	56.26	PK-U	33.4	-45.2	0	44.46	-	-	74	-29.54	360	200	V
			* 3.744314	44.27	ADR	33.4	-45.17	0.16	32.66	54	-21.34	-	-	360	200	V
			* 3.745853	44.21	ADR	33.4	-45.1	0.16	32.67	54	-21.33	-	-	360	200	H
			* 3.755873	55.8	PK-U	33.4	-45.1	0	44.1	-	-	74	-29.9	360	200	H
			* 10.687371	53.9	PK-U	37.6	-41.7	0	49.8	-	-	74	-24.2	360	101	H
			* 10.69307	42.27	ADR	37.6	-41.9	0.16	38.13	54	-15.87	-	-	360	200	V
			* 10.697697	53.83	PK-U	37.6	-42.1	0	49.33	-	-	74	-24.67	360	200	V
			* 10.698233	42.23	ADR	37.6	-42.1	0.16	37.89	54	-16.11	-	-	360	101	H
			* 16.051563	42.8	ADR	40.3	-41.84	0.16	41.42	54	-12.58	-	-	360	101	H
			* 16.054246	42.82	ADR	40.3	-41.9	0.16	41.38	54	-12.62	-	-	360	200	V
			* 16.056499	54.53	PK-U	40.3	-41.95	0	52.88	-	-	74	-21.12	360	200	V
			* 16.06235	54.27	PK-U	40.3	-42.2	0	52.37	-	-	74	-21.63	360	101	H
	5844	6 + 5	* 3.793733	55.51	PK-U	33.4	-45.17	0	43.74	-	-	74	-30.26	360	101	H
			* 3.799753	43.73	ADR	33.4	-45.2	0.16	32.09	54	-21.91	-	-	360	101	H
			* 3.801145	43.55	ADR	33.4	-45.2	0.16	31.91	54	-22.09	-	-	360	101	V
			* 3.801198	55.36	PK-U	33.4	-45.2	0	43.56	-	-	74	-30.44	360	101	V
			* 11.399991	54.14	PK-U	38.1	-42.5	0	49.74	-	-	74	-24.26	360	101	H
			* 11.411858	42.37	ADR	38.1	-42.3	0.16	38.33	54	-15.67	-	-	360	101	H
			* 11.414832	42.18	ADR	38.1	-42.1	0.16	38.34	54	-15.66	-	-	360	200	V
			* 11.416796	54.1	PK-U	38.1	-42	0	50.2	-	-	74	-23.8	360	200	V
			15.224178	55.34	PK-U	39.8	-42.08	0	53.06	-	-	68.2	-15.14	360	101	H
			15.242161	54.83	PK-U	39.8	-42	0	52.63	-	-	68.2	-15.57	360	200	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

UNII-3 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (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
XHDRPS2	5733	6 + 5	2.172962	61.17	PK-U	28.4	-49.5	0	40.07	-	-	68.2	-28.13	360	199	H
			2.171162	60.76	PK-U	28.4	-49.5	0	39.66	-	-	68.2	-28.54	360	101	V
			8.627295	55.5	PK-U	37.8	-45	0	48.3	-	-	68.2	-19.9	360	101	H
			8.639646	55.11	PK-U	37.9	-44.94	0	48.07	-	-	68.2	-20.13	360	101	V
			14.853092	54.46	PK-U	45	-43.69	0	55.77	-	-	68.2	-12.43	360	200	H
	5788	6 + 5	14.838485	54.9	PK-U	45	-43.95	0	55.95	-	-	68.2	-12.25	360	199	V
			* 1.58676	57.9	PK-U	27.8	-46.23	0	39.47	-	-	74	-34.53	2	101	H
			* 1.593246	45.48	ADR	27.8	-46.24	0	27.04	54	-26.96	-	-	2	101	H
			* 1.59735	57.07	PK-U	27.9	-46.24	0	38.73	-	-	74	-35.27	2	101	V
			* 1.58239	45.32	ADR	27.7	-46.22	0	26.8	54	-27.2	-	-	2	101	V
			* 2.864226	57.96	PK-U	32.6	-46.89	0	43.67	-	-	74	-30.33	2	101	H
			* 2.851066	46.58	ADR	32.6	-46.96	0	32.22	54	-21.78	-	-	2	101	H
			* 2.852108	57.93	PK-U	32.6	-46.95	0	43.58	-	-	74	-30.42	2	101	V
			* 2.852248	46.33	ADR	32.6	-46.95	0	31.98	54	-22.02	-	-	2	101	V
			* 12.007058	53.61	PK-U	39	-41.52	0	51.09	-	-	74	-22.91	2	101	H
			* 12.022671	42.13	ADR	39	-41.6	0	39.53	54	-14.47	-	-	2	101	H
			* 12.006244	54.04	PK-U	39	-41.51	0	51.53	-	-	74	-22.47	2	200	V
			* 12.016578	41.96	ADR	39	-41.56	0	39.4	54	-14.6	-	-	2	200	V
	5844	6 + 5	* 2.906595	59.27	PK-U	32.7	-48.2	0	43.77	-	-	68.2	-24.43	0	101	H
			2.913992	59.75	PK-U	32.8	-48.2	0	44.35	-	-	68.2	-23.85	0	101	V
			10.564724	56.03	PK-U	37.8	-45	0	48.83	-	-	68.2	-19.37	0	200	H
			10.545325	55.86	PK-U	37.8	-44.9	0	48.76	-	-	68.2	-19.44	0	200	V
			17.547642	52.95	PK-U	41.4	-38.6	0	55.75	-	-	68.2	-12.45	0	200	H
			17.548186	52.69	PK-U	41.4	-38.6	0	55.49	-	-	68.2	-12.71	0	101	V
			* 2.866003	59.76	PK-U	32.6	-48.5	0	43.86	-	-	74	-30.14	0	200	H
			* 2.865557	47.95	ADR	32.6	-48.46	0.31	32.4	54	-21.6	-	-	0	200	H
			* 2.866363	59.48	PK-U	32.6	-48.46	0	43.62	-	-	74	-30.38	0	200	V
			* 2.873117	47.94	ADR	32.6	-48.4	0.31	32.45	54	-21.55	-	-	0	200	V
HDRPM8	5733	6 + 5	* 11.491488	55.6	PK-U	38.2	-43.45	0	50.35	-	-	74	-23.65	0	200	H
			* 11.495426	43.5	ADR	38.2	-43.5	0.31	38.51	54	-15.49	-	-	0	200	H
			* 11.46756	55.25	PK-U	38.1	-43.8	0	49.55	-	-	74	-24.45	0	200	V
			* 11.467178	43.61	ADR	38.1	-43.8	0.31	38.22	54	-15.78	-	-	0	200	V
			17.194082	53.21	PK-U	41.4	-40	0	54.61	-	-	68.2	-13.59	0	200	H
			17.187744	53.32	PK-U	41.4	-39.9	0	54.82	-	-	68.2	-13.38	0	200	V
	5788	6 + 5	* 2.913533	59.58	PK-U	32.8	-48.2	0	44.18	-	-	68.2	-24.02	360	200	H
			2.912266	59.5	PK-U	32.8	-48.13	0	44.17	-	-	68.2	-24.03	360	200	V
			10.553897	55.85	PK-U	37.8	-44.9	0	48.75	-	-	68.2	-19.45	360	101	H
			10.547825	56.38	PK-U	37.8	-44.98	0	49.2	-	-	68.2	-19	360	101	V
			17.551457	52.71	PK-U	41.4	-38.75	0	55.36	-	-	68.2	-12.84	360	199	H
	5844	6 + 5	17.537399	52.67	PK-U	41.4	-38.7	0	55.37	-	-	68.2	-12.83	360	200	V
			2.651748	60.01	PK-U	32.6	-48.7	0	43.91	-	-	68.2	-24.29	360	101	H
			* 2.656476	60.44	PK-U	32.6	-48.7	0	44.34	-	-	74	-29.66	360	200	V
			* 2.657816	48.61	ADR	32.7	-48.7	0.31	32.92	54	-21.08	-	-	360	200	V
			12.707506	54.66	PK-U	39	-42.1	0	51.56	-	-	68.2	-16.64	360	200	H
			* 12.697481	54.54	PK-U	39	-42.2	0	51.34	-	-	74	-22.66	360	200	V
			* 12.696249	42.76	ADR	39	-42.2	0.31	39.87	54	-14.13	-	-	360	200	V
			17.547853	52.76	PK-U	41.4	-38.6	0	55.56	-	-	68.2	-12.64	360	101	H
			17.554398	53.02	PK-U	41.4	-38.8	0	55.62	-	-	68.2	-12.58	360	101	V

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

PK-U - U-NII: Maximum Peak

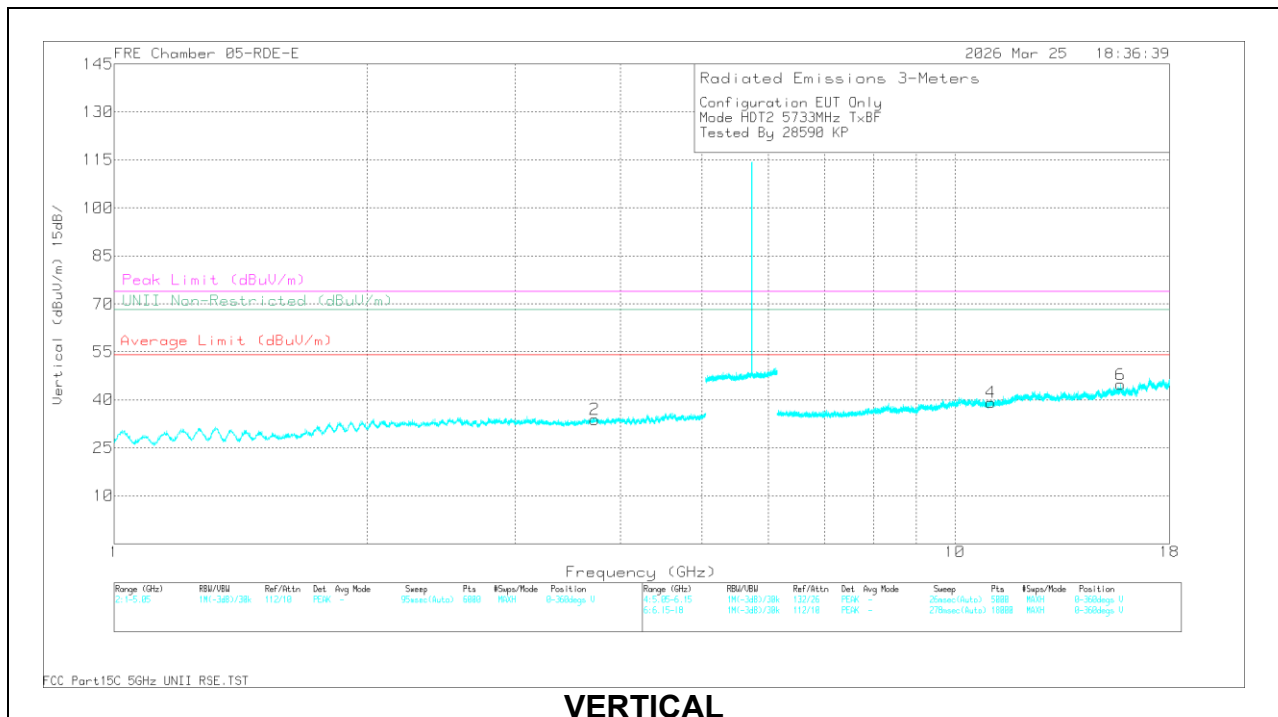
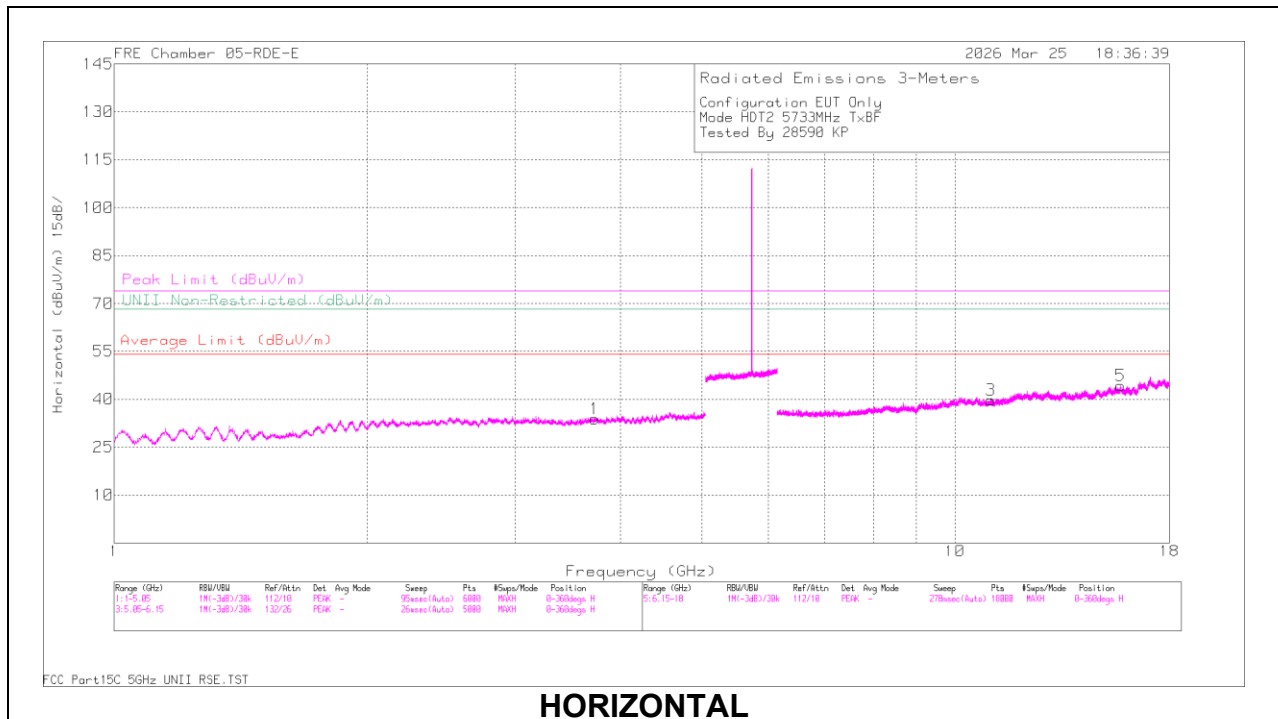
ADR - U-NII AD primary method, RMS average

UNI-3 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (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
HDRPL8	5733	6 + 5	1.898113	63.49	PK-U	31.4	-50.04	0	44.85	-	-	68.2	-23.35	360	199	H
			1.893589	62.08	PK-U	31.4	-49.88	0	43.6	-	-	68.2	-24.6	360	101	V
			3.419463	58.69	PK-U	32.8	-48.04	0	43.45	-	-	68.2	-24.75	360	101	H
			3.417692	58.51	PK-U	32.8	-48	0	43.31	-	-	68.2	-24.89	360	101	V
			* 11.467375	57.88	PK-U	38.2	-45.7	0	50.38	-	-	74	-23.62	360	101	H
			* 11.46594	45.73	ADR	38.2	-45.41	0.23	38.75	54	-15.25	-	-	360	101	H
			* 11.480668	57.9	PK-U	38.2	-45.23	0	50.87	-	-	74	-23.13	360	101	V
			* 11.46805	45.83	ADR	38.2	-45.69	0.23	38.57	54	-15.43	-	-	360	101	V
			1.850298	61.75	PK-U	31.2	-50.27	0	42.68	-	-	68.2	-25.52	0	101	H
			1.851108	61.85	PK-U	31.2	-50.2	0	42.85	-	-	68.2	-25.35	0	101	V
	5788	6 + 5	* 3.260968	58.95	PK-U	33	-48.6	0	43.35	-	-	74	-30.65	0	101	H
			* 3.261028	47.05	ADR	33	-48.59	0.23	31.69	54	-22.31	-	-	0	101	H
			3.295955	58.7	PK-U	32.9	-48	0	43.6	-	-	68.2	-24.6	0	200	V
			* 11.589903	56.93	PK-U	38.3	-45.39	0	49.84	-	-	74	-24.16	0	200	H
			* 11.597517	46.11	ADR	38.3	-45.6	0.23	39.04	54	-14.96	-	-	0	200	H
			* 11.588101	58.17	PK-U	38.3	-45.39	0	51.08	-	-	74	-22.92	0	200	V
			11.583354	45.9	ADR	38.3	-45.57	0.23	38.86	54	-15.14	-	-	0	200	V
			1.8919	65.51	PK-U	31.4	-49.98	0	46.93	-	-	68.2	-21.27	360	198	H
			1.897679	62.07	PK-U	31.4	-50.1	0	43.37	-	-	68.2	-24.83	360	200	V
			2.955732	60.93	PK-U	32.8	-49.63	0	44.1	-	-	68.2	-24.1	360	198	H
	5844	6 + 5	2.947753	60.61	PK-U	32.8	-49.48	0	43.93	-	-	68.2	-24.27	360	200	V
			* 11.860127	57.79	PK-U	38.7	-45.2	0	51.29	-	-	74	-22.71	360	200	H
			* 11.84011	46.07	ADR	38.7	-45.4	0.23	39.6	54	-14.4	-	-	360	200	H
			* 11.847598	58.04	PK-U	38.7	-45.26	0	51.48	-	-	74	-22.52	360	101	V
			* 11.844358	45.75	ADR	38.7	-45.26	0.23	39.42	54	-14.58	-	-	360	101	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

**WORST-CASE HARMONICS AND SPURIOUS EMISSIONS
STATE B - MIMO TXBF – HDT2 - High Power - 5733 MHz**

Radiated Emissions

Marker	Frequency (GHz)	Meas Reading (dBm)	Dist	20000 ACP (dBm)	Gain/Loss (dB)	DOCF (dB)	Corrected Reading (dBm)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.718059	56.45	PK-U	33.2	-45.11	0	44.54	-	-	74	-29.46	0	101	H
	* 3.737919	44.34	ADR	33.3	-45.21	16	32.59	54	-21.41	-	-	0	101	H
	* 3.71212	55.99	PK-U	33.2	-45.2	0	43.99	-	-	74	-30.01	0	101	V
2	* 3.7378	44.16	ADR	33.3	-45.22	16	32.4	54	-21.6	-	-	0	101	V
	* 11.02052	54.82	PK-U	37.6	-42.14	0	50.28	-	-	74	-23.72	0	101	H
	* 11.042198	42.74	ADR	37.6	-42.1	16	38.4	54	-15.6	-	-	0	101	H
4	* 11.029606	54.6	PK-U	37.7	-42.24	0	50.06	-	-	74	-23.94	0	200	V
	* 11.041344	42.76	ADR	37.6	-42.23	16	38.29	54	-15.71	-	-	0	200	V
	* 15.732562	55.67	PK-U	40.4	-42.11	0	53.96	-	-	74	-20.04	0	200	H
5	* 15.754135	43.57	ADR	40.4	-42.21	16	41.92	54	-12.08	-	-	0	200	H
	* 15.74218	55.17	PK-U	40.4	-42	0	53.57	-	-	74	-20.43	0	101	V
	* 15.755117	43.45	ADR	40.4	-42.3	16	41.71	54	-12.29	-	-	0	101	V

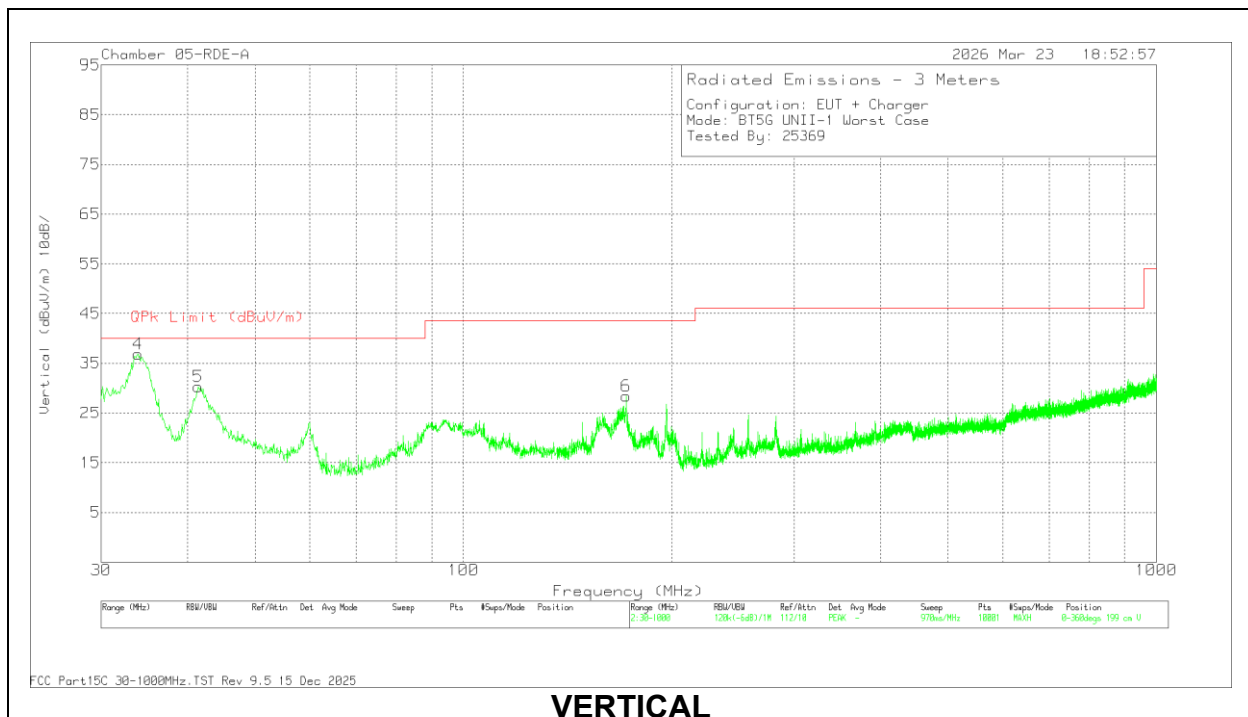
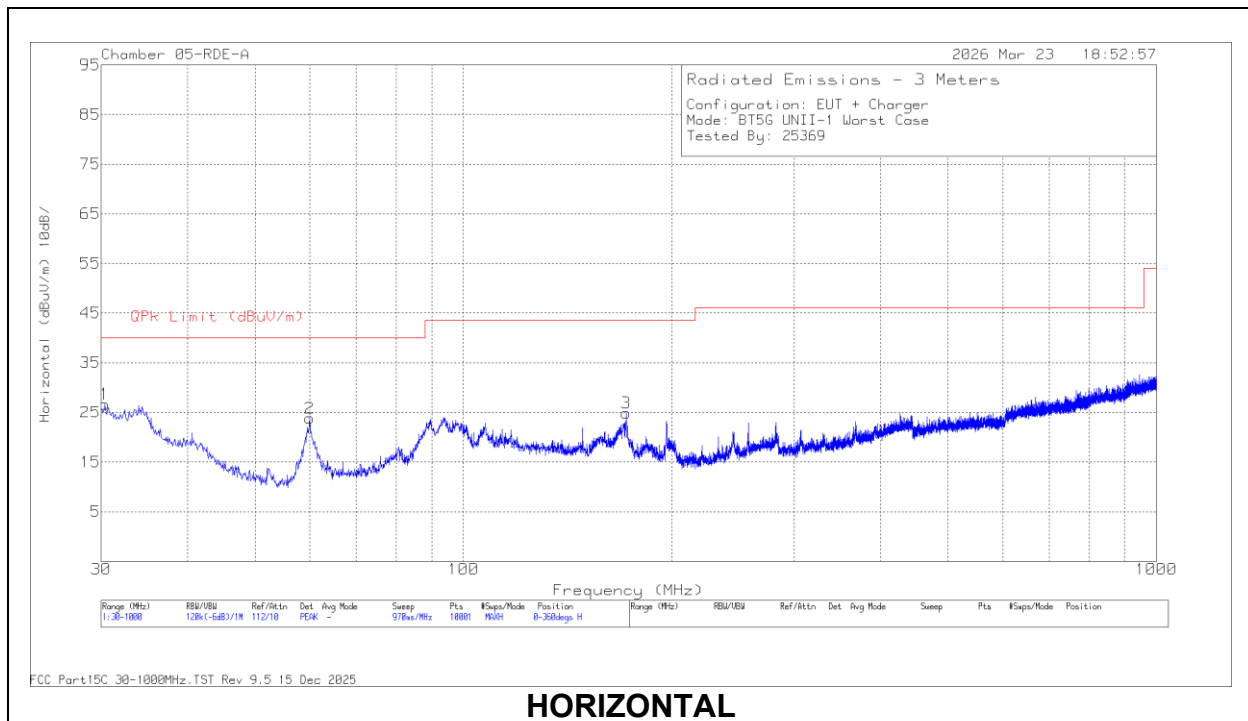
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.6. WORST CASE BELOW 1 GHz

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



Below 1GHz Data

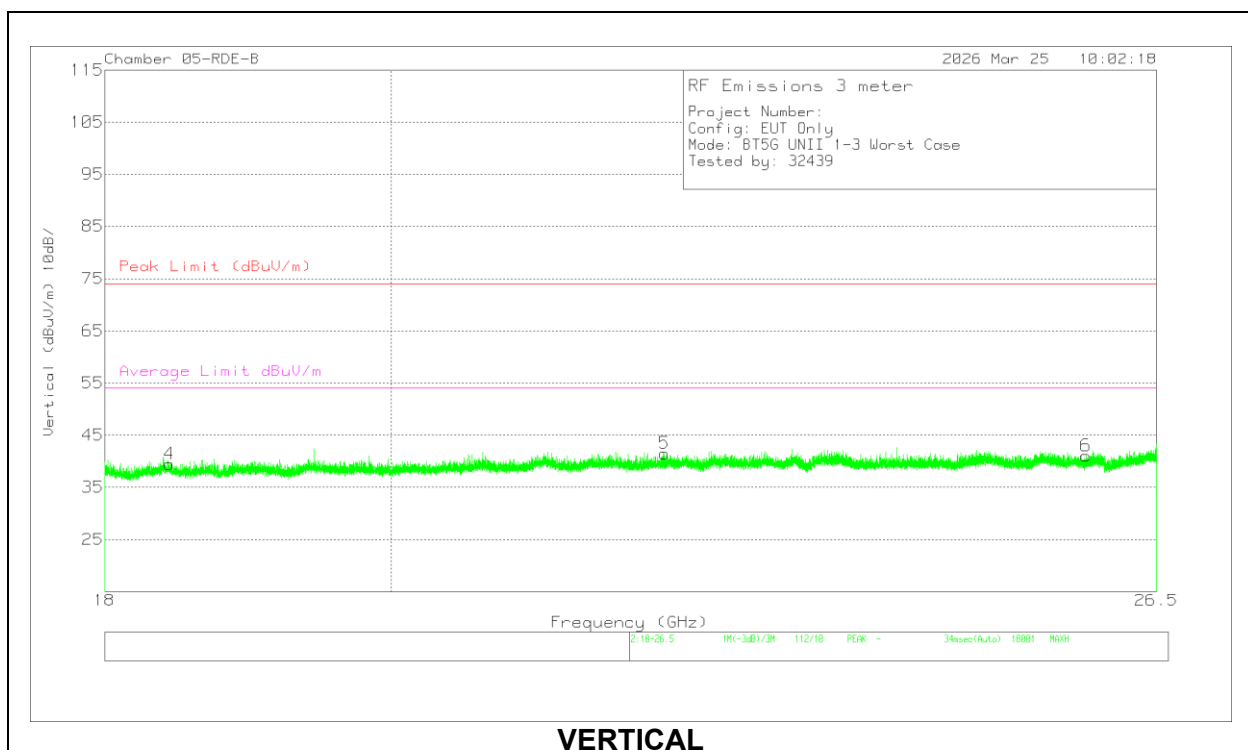
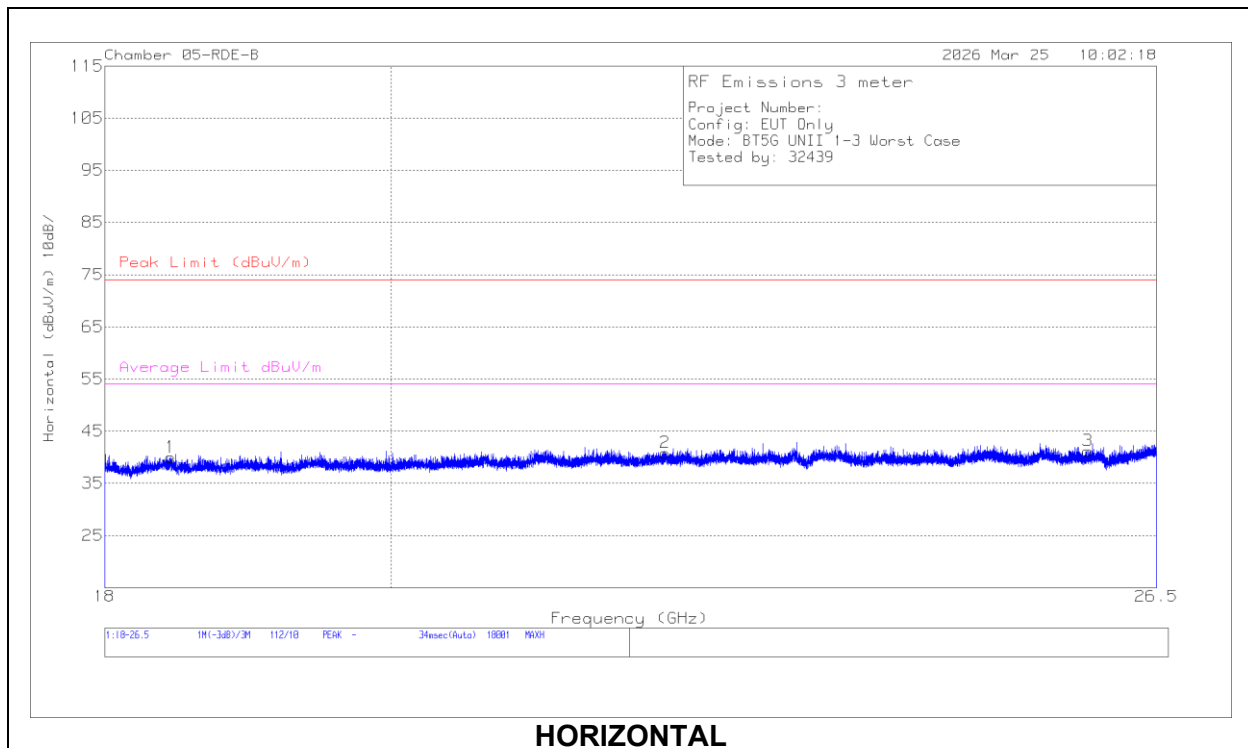
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	204045 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.8369	23.58	Qp	26.1	-32.3	17.38	40	-22.62	170	302	H
2	60.0273	31.53	Qp	13.5	-32	13.03	40	-26.97	273	346	H
3	* 171.66	36.02	Qp	17.6	-31.3	22.32	43.52	-21.2	108	130	H
4	34.0813	40.93	Qp	24	-32.3	32.63	40	-7.37	290	121	V
5	42.0343	41.14	Qp	18.2	-32.1	27.24	40	-12.76	241	103	V
6	* 171.603	38.76	Qp	17.6	-31.3	25.06	43.52	-18.46	312	104	V

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

Qp - Quasi-Peak detector

9.7. WORST CASE 18-26 GHz

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



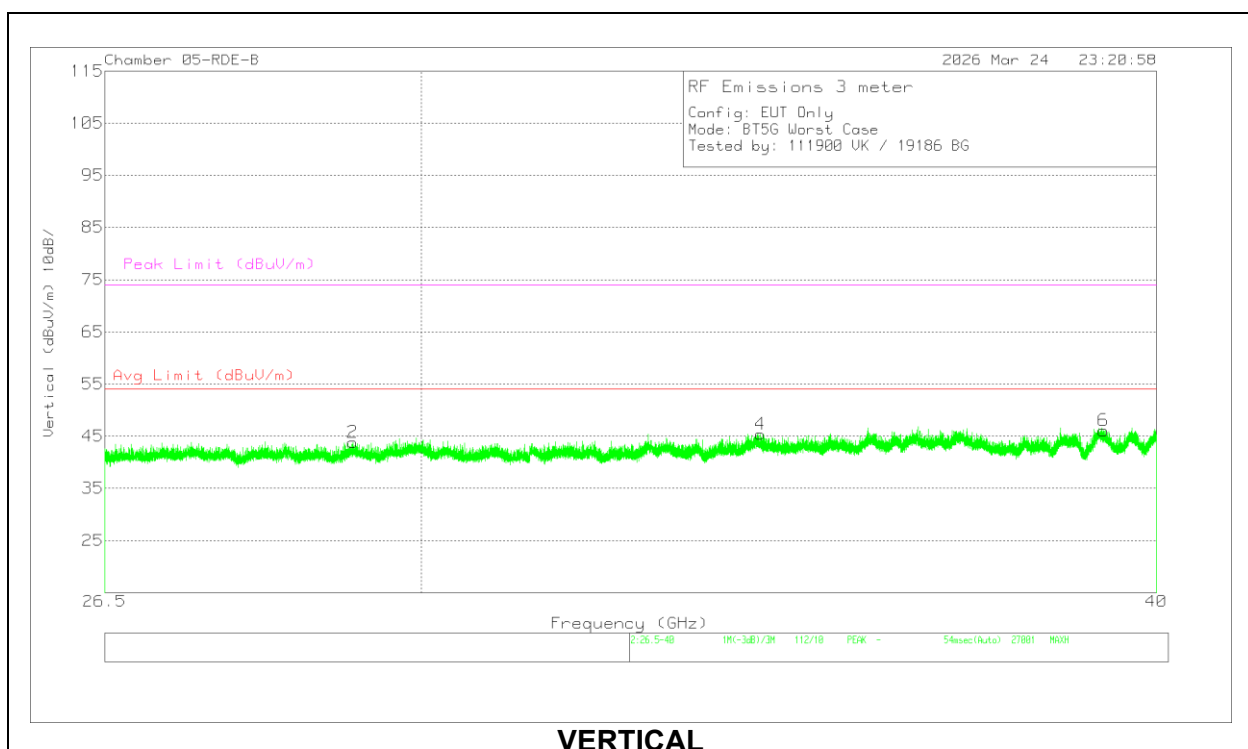
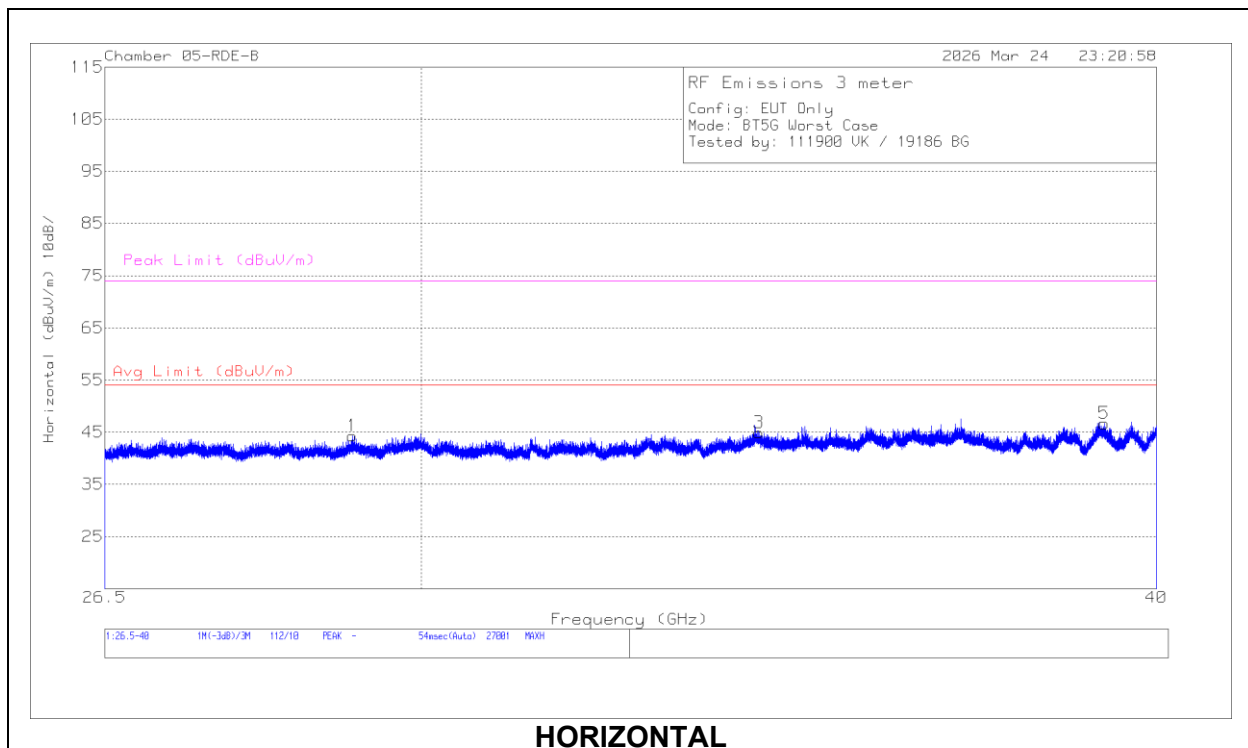
18 – 26GHz Data

Marker	Frequency (GHz)	Marker Reading (dBm)	Det	172963 ACF (dBm)	CBLIAMP (dB)	Cbl (dB)	DCCF (dB)	Corrected Reading (dBm)	Peak Limit (dBm/Vm)	PK Margin (dB)	Average Limit dBm/Vm	Margin (dB)	Altitude (Degs)	Height (m)	Polarity
1	18.443889	-57.97	Pk	32.1	-63.4	13.3	0	-39.97	74	-34.03	-	-	0-360	200	H
2	22.120137	-56.33	Pk	33	-63.2	14.7	0	-40.83	74	-33.17	-	-	0-360	101	H
3	25.840774	-53.81	Pk	33.9	-62.5	16	0	-41.21	74	-32.79	-	-	0-360	101	H
4	18.434916	-57.44	Pk	32.1	-63.4	13.3	0	-39.44	74	-34.56	-	-	0-360	200	V
5	22.116359	-56.69	Pk	33	-63.1	14.7	0	-41.49	74	-32.51	-	-	0-360	101	V
6	25.82283	-53.95	Pk	33.8	-62.6	15.9	0	-41.05	74	-32.95	-	-	0-360	101	V

Pk - Peak detector

9.8. WORST CASE 26-40 GHz

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



26 – 40GHz Data

Mode	Frequency (GHz)	Min. Reading (dBm)	Det	11.258 ACZ (dBm)	CEL-ABP (dB)	CIS (dB)	DOCF (dB)	Corrected Reading (dBm)	Avg Limit (dBW/m)	Margin (dB)	Peak Limit (dBW/m)	PK Margin (dB)	Asympt (dBm)	Height (m)	Polarity
1	29.202	62.01	PK	36.1	-71.2	17.4	0	44.31	-	-	74	-29.69	0.360	101	H
2	29.205	61.53	PK	36.1	-71.2	17.4	0	43.83	-	-	74	-30.17	0.360	200	V
3	34.2365	61.51	PK	37.2	-72.6	18.8	0	44.91	-	-	74	-29.09	0.360	200	H
4	34.2575	62.16	PK	37.2	-72.7	18.7	0	45.36	-	-	74	-28.64	0.360	101	V
5	*39.150	58.86	PK	38.2	-70.4	20	0	46.66	-	-	74	-27.34	0.360	101	H
6	*39.1765	58.16	PK	38.2	-70.3	20	0	46.06	-	-	74	-27.94	0.360	200	V

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

Pk - Peak detector

10. AC POWERLINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

ANSI C63.10, Section 6.2

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.

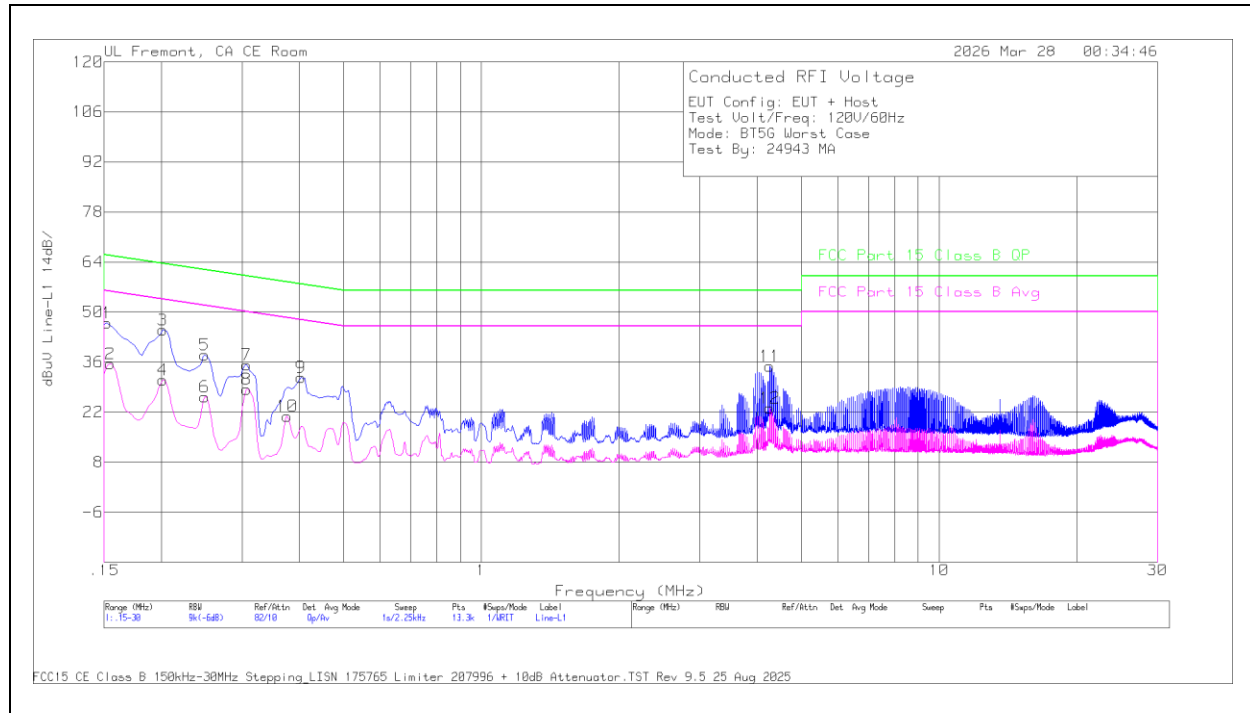
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both HOT (L1) and NEUTRAL (L2) lines.

RESULTS

10.1. AC POWER LINE WITH LAPTOP

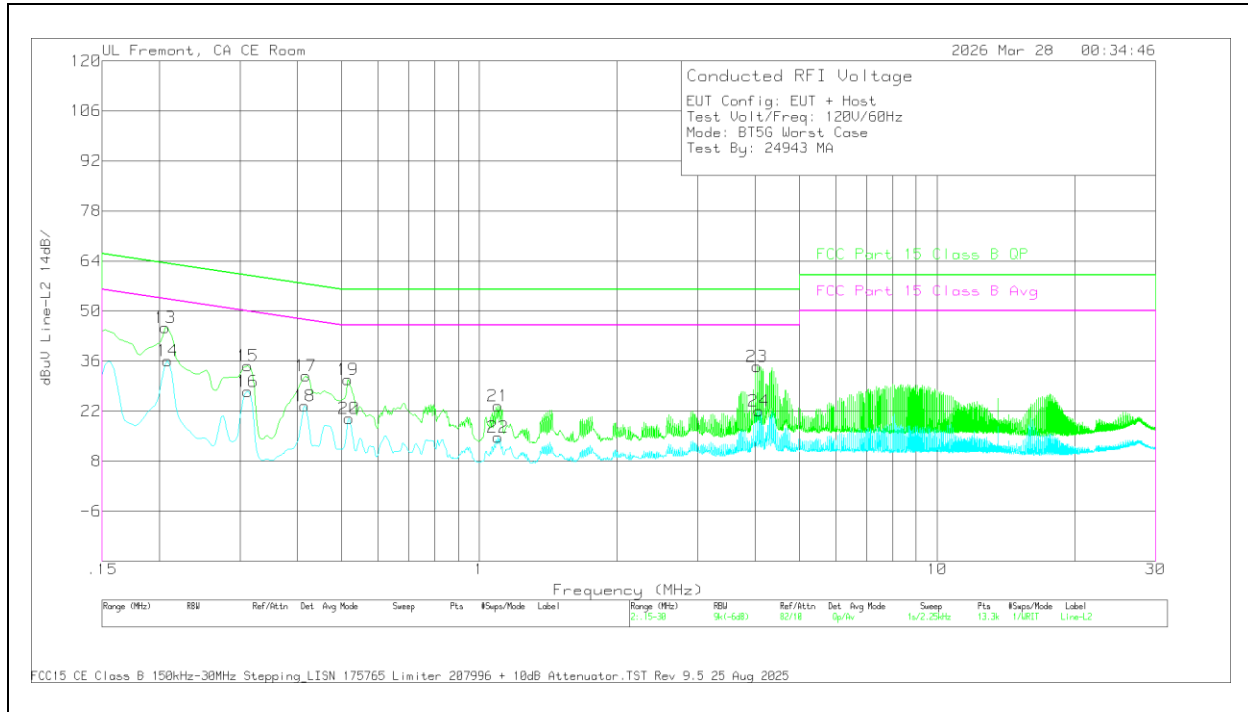
LINE 1 RESULTS



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
1	.1523	27.49	Qp	.1	9.4	9.9	46.89	65.88	-18.99	-	-
2	.1545	16.07	Av	.1	9.4	9.9	35.47	-	-	55.75	-20.28
3	.2018	25.63	Qp	0	9.4	9.9	44.93	63.54	-18.61	-	-
4	.2018	11.65	Av	0	9.4	9.9	30.95	-	-	53.54	-22.59
5	.249	18.73	Qp	0	9.4	9.9	38.03	61.79	-23.76	-	-
6	.249	7	Av	0	9.4	9.9	26.3	-	-	51.79	-25.49
7	.3075	15.86	Qp	0	9.4	9.9	35.16	60.04	-24.88	-	-
8	.3075	9	Av	0	9.4	9.9	28.3	-	-	50.04	-21.74
9	.4043	12.45	Qp	0	9.3	9.9	31.65	57.77	-26.12	-	-
10	.3773	1.6	Av	0	9.3	9.9	20.8	-	-	48.34	-27.54
11	4.2698	15.71	Qp	0	9.4	9.8	34.91	56	-21.09	-	-
12	4.2698	3.83	Av	0	9.4	9.8	23.03	-	-	46	-22.97

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS

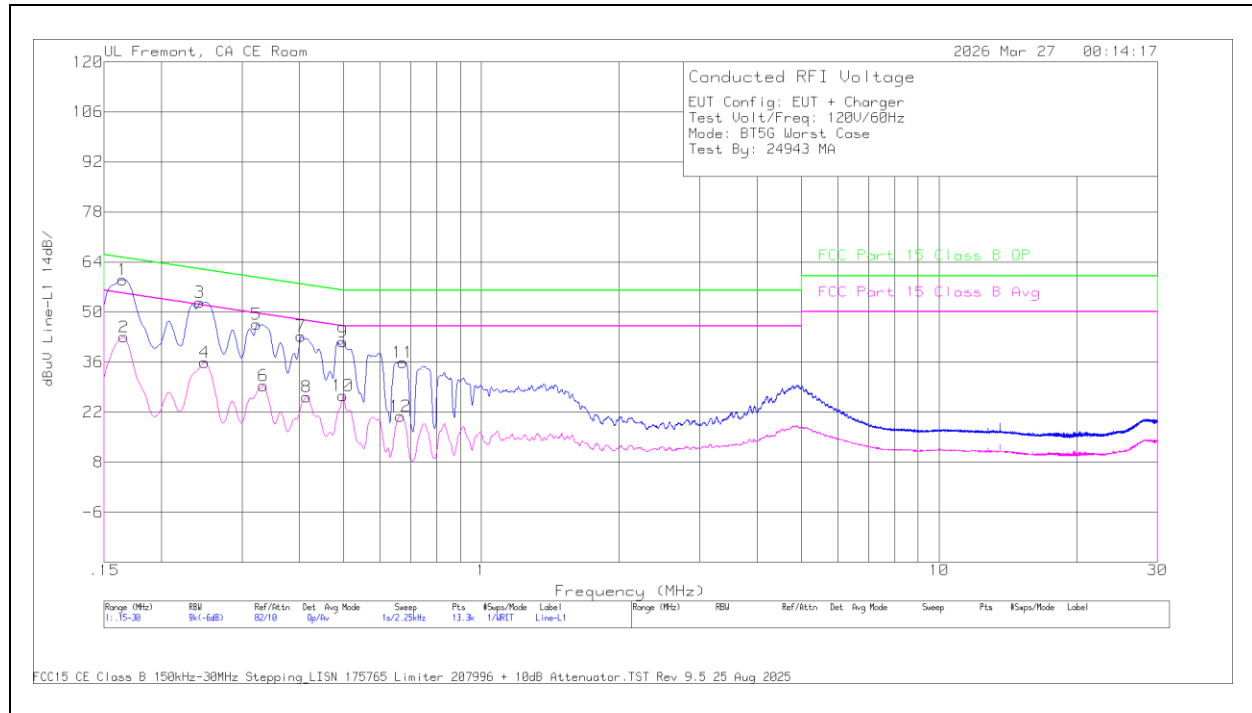
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
13	.2063	26.07	Qp	0	9.4	9.9	45.37	63.35	-17.98	-	-
14	.2085	16.73	Av	0	9.4	9.9	36.03	-	-	53.26	-17.23
15	.312	15.33	Qp	0	9.4	9.9	34.63	59.92	-25.29	-	-
16	.312	8.2	Av	0	9.4	9.9	27.5	-	-	49.92	-22.42
17	.4178	12.6	Qp	0	9.3	9.9	31.8	57.49	-25.69	-	-
18	.4155	4.26	Av	0	9.3	9.9	23.46	-	-	47.54	-24.08
19	.5168	11.58	Qp	0	9.3	9.9	30.78	56	-25.22	-	-
20	.519	.79	Av	0	9.3	9.9	19.99	-	-	46	-26.01
21	1.0995	4.22	Qp	0	9.4	9.9	23.52	56	-32.48	-	-
22	1.0995	-4.63	Av	0	9.4	9.9	14.67	-	-	46	-31.33
23	4.0425	15.17	Qp	0	9.4	9.9	34.47	56	-21.53	-	-
24	4.083	2.8	Av	0	9.4	9.9	22.1	-	-	46	-23.9

Qp - Quasi-Peak detector

Ca - CISPR average detection

10.2. AC POWER LINE WITH AC/DC ADAPTER

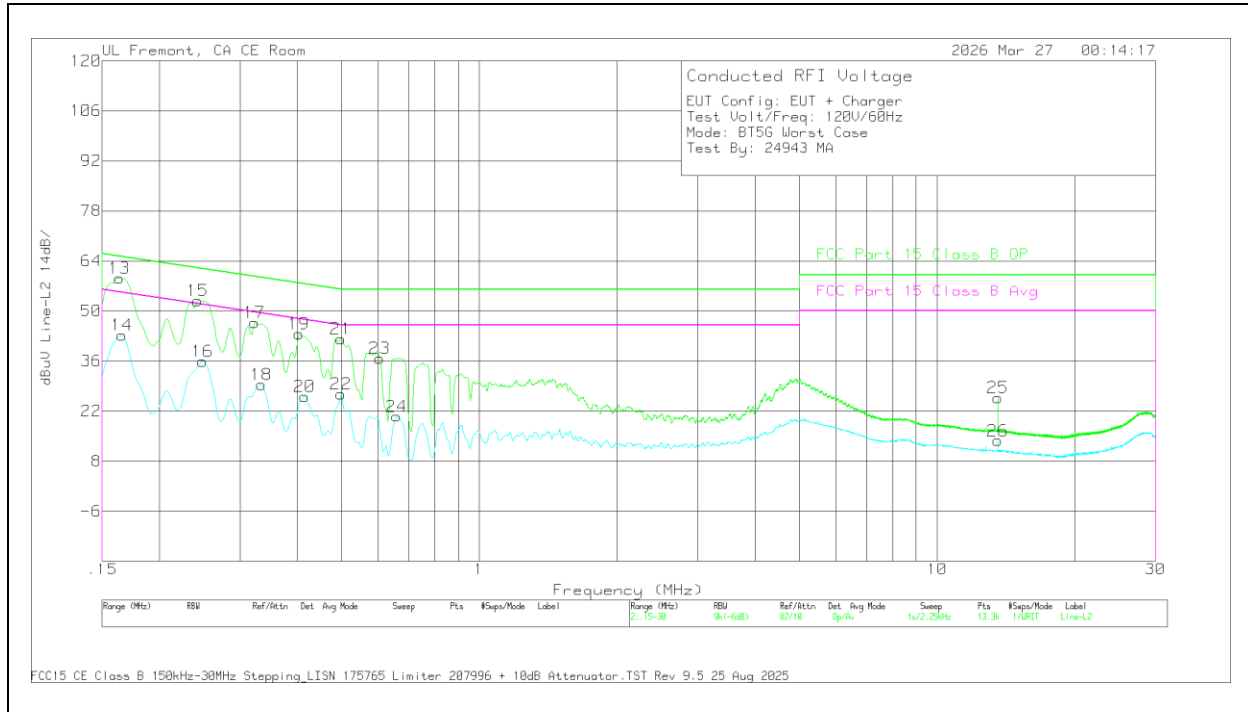
LINE 1 RESULTS



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
1	.1646	39.56	Qp	.1	9.4	9.9	58.96	65.23	-6.27	-	-
2	.1658	23.6	Av	.1	9.4	9.9	43	-	-	55.17	-12.17
3	.2423	33.42	Qp	0	9.4	9.9	52.72	62.02	-9.3	-	-
4	.249	16.65	Av	0	9.4	9.9	35.95	-	-	51.79	-15.84
5	.3233	27.22	Qp	0	9.4	9.9	46.52	59.62	-13.1	-	-
6	.3345	10.15	Av	0	9.3	9.9	29.35	-	-	49.34	-19.99
7	.4043	24.11	Qp	0	9.3	9.9	43.31	57.77	-14.46	-	-
8	.4155	7.11	Av	0	9.3	9.9	26.31	-	-	47.54	-21.23
9	.4988	22.51	Qp	0	9.3	9.9	41.71	56.02	-14.31	-	-
10	.4988	7.39	Av	0	9.3	9.9	26.59	-	-	46.02	-19.43
11	.6743	16.56	Qp	0	9.4	10	35.96	56	-20.04	-	-
12	.6664	1.48	Av	0	9.4	10	20.88	-	-	46	-25.12

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
13	.1635	39.81	Qp	.1	9.4	9.9	59.21	65.28	-6.07	-	-
14	.1658	23.79	Av	.1	9.4	9.9	43.19	-	-	55.17	-11.98
15	.2423	33.61	Qp	0	9.4	9.9	52.91	62.02	-9.11	-	-
16	.249	16.63	Av	0	9.4	9.9	35.93	-	-	51.79	-15.86
17	.3233	27.4	Qp	0	9.4	9.9	46.7	59.62	-12.92	-	-
18	.3345	10.08	Av	0	9.4	9.9	29.38	-	-	49.34	-19.96
19	.4043	24.38	Qp	0	9.3	9.9	43.58	57.77	-14.19	-	-
20	.4155	6.89	Av	0	9.3	9.9	26.09	-	-	47.54	-21.45
21	.4988	23.06	Qp	0	9.3	9.9	42.26	56.02	-13.76	-	-
22	.4988	7.64	Av	0	9.3	9.9	26.84	-	-	46.02	-19.18
23	.6068	17.52	Qp	0	9.4	9.9	36.82	56	-19.18	-	-
24	.6608	1.15	Av	0	9.4	10	20.55	-	-	46	-25.45
25	13.56	6.29	Qp	.1	9.6	9.8	25.79	60	-34.21	-	-
26	13.56	-5.78	Av	.1	9.6	9.8	13.72	-	-	50	-36.28

Qp - Quasi-Peak detector

Ca - CISPR average detection

11. SETUP PHOTOS

Please refer to 16064952-EP1 for setup photos.

12. APPENDIX A – SPOT CHECK EVALUATION

12.1. MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3447, A3719, A3720 and A3721. These models are very similar, with only the following differences.

Model	FCC ID	Feature Difference	Sim Support	Reference Model
A3447	BCG-E9188A	-With FR2 -No LTE B11, B21	eSIM	-
A3719	BCG-E9198A	-Without FR2 -Added LTE B11, B21	eSIM	A3472
A3720	BCG-E9203A	-Without FR2 -No LTE/5G NR B14, B29, B71 -No LTE B11, B21	eSIM	
A3721	BCG-E9204A	-Without FR2 -No LTE/5G NR B14, B29, B71, B53 -No LTE B11, B21, MSS	eSIM	

Note:

- All Models use the same System, Cellular and Connectivity radio electrical schematics.
- Removal of LTE bands on models not supporting them, is done by de-population of related components. Electrically there is no difference among the models.
- All Models use the same Applications Processor and PMU.
- All Models use the same UICC hardware/software interface.
- All Models run the same Baseband firmware and iOS software.

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).

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

Where: d_{dB} deviation from Reference data, V_{dB} variant spot check level, and R_{dB} measurement level

12.2. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3719

A3719 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Modulation	Test Item		Channel	Measured Frequency (GHz)	Original Model: A3447	Sub Model: A3719	Delta (dB)	Margin	Remarks
								FCC ID : BCG-E9188A	FCC ID : BCG-E9198A			
NII / NB UNII-1 & UNII-3	5150 - 5250 UNII - 1	High Power (2TX)	HDRPL8	Avg Power (dBm)	Fundamental	High	5.242	17.37	17.32	-0.05	-6.63	Note 1
		State A High Power (2TX)	HDRPL8	Avg Radiated Bandedge (dBm)	Horizontal Low Bandedge	Low	5.149946	51.17	50.66	-0.51	-2.83	Note 1
		State A High Power (2TX)	HDRPM12	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	Low	15.525127	42.91	41.90	-1.01	-11.09	Note 1
	5725 - 5825 UNII 3	High Power (2TX)	BDR	Avg Power (dBm)	Fundamental	Low	5733.000	22.62	22.59	-0.03	-7.38	Note 1
		State A High Power (ANT 5)	HDRPL8	Pk Radiated Bandedge (dBm)	Horizontal High Bandedge	High	5.998975	-32.90	-33.11	-0.21	-5.90	Note 1
		State B High Power (2TX)	HDT2	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	Low	15.754135	41.92	41.24	-0.68	-12.08	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.

12.3. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3720

A3720 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Modulation	Test Item		Channel	Measured Frequency (GHz)	Original Model: A3447	Sub Model: A3720	Delta (dB)	Margin	Remarks
								FCC ID : BCG-E9188A	FCC ID : BCG-E9203A			
NII / NB UNII-1 & UNII-3	5150 - 5250 UNII - 1	High Power (2TX)	HDRPL8	Avg Power (dBm)	Fundamental	High	5.242	17.37	17.36	-0.01	-6.63	Note 1
		State A High Power (2TX)	HDRPL8	Avg Radiated Bandedge (dBm)	Horizontal Low Bandedge	Low	5.149946	51.17	51.40	0.23	-2.83	Note 1
		State A High Power (2TX)	HDRPM12	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	Low	15.525127	42.91	42.80	-0.11	-11.09	Note 1
	5725 - 5825 UNII 3	High Power (2TX)	BDR	Avg Power (dBm)	Fundamental	Low	5733.000	22.62	22.55	-0.07	-7.38	Note 1
		State A High Power (ANT 5)	HDRPL8	Pk Radiated Bandedge (dBm)	Horizontal High Bandedge	High	5.998975	-32.90	-32.85	0.05	-5.90	Note 1
		State B High Power (2TX)	HDT2	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	Low	15.754135	41.92	41.16	-0.76	-12.08	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.

12.4. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3721

A3721 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Modulation	Test Item		Channel	Measured Frequency (GHz)	Original Model: A3447	Sub Model: A3721	Delta (dB)	Margin	Remarks
								FCC ID : BCG-E9188A	FCC ID : BCG-E9204A			
NII / NB UNII-1 & UNII-3	5150 - 5250 UNII - 1	High Power (2TX)	HDRPL8	Avg Power (dBm)	Fundamental	High	5.242	17.37	17.37	0.00	-6.63	Note 1
		State A High Power (2TX)	HDRPL8	Avg Radiated Bandedge (dBm)	Horizontal Low Bandedge	Low	5.149946	51.17	51.37	0.20	-2.83	Note 1
		State A High Power (2TX)	HDRPM12	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	Low	15.525127	42.91	41.12	-1.79	-11.09	Note 1
	5725 - 5825 UNII 3	High Power (2TX)	BDR	Avg Power (dBm)	Fundamental	Low	5733.000	22.62	22.58	-0.04	-7.38	Note 1
		State A High Power (ANT 5)	HDRPL8	Pk Radiated Bandedge (dBm)	Horizontal High Bandedge	High	5.998975	-32.90	-32.73	0.17	-5.90	Note 1
		State B High Power (2TX)	HDT2	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	Low	15.754135	41.92	41.19	-0.73	-12.08	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.