

TEST REPORT

Report Number: 15982152-E7V3

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

Model : A3472 (Parent)
A3713, A3714, A3715 (Variants)

Brand : APPLE

FCC ID : BCG-E9186A (Parent)
BCG-E9192A, BCG-E9193A, BCG-E9194A (Variants)

EUT Description : SMARTPHONE

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

Date Of Issue:
2026-06-30

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REPORT REVISION HISTORY

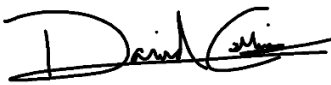
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V2	2026-06-24	Addressed TCB Feedback in Sections 6.1, 6.6, 7, and 8.2.1	David Collins
V3	2026-06-30	Addressed TCB Feedback in Sections 6, 8, and 9	Helen Nguyen Jay Solanki

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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	A3472 (Parent) A3713, A3714, A3715 (Variants)	
Brand	APPLE	
FCC ID	BCG-E9186A (Parent) BCG-E9192A, BCG-E9193A, BCG-E9194A (Variants)	
EUT Description	SMARTPHONE	
Serial Number	C07HNR000JX0001A2G, C07HT20002T0001B9T (Conducted) F4LFM9YJPQ, W60X1C79J3 (Radiated)	
Sample Receipt Date	2026-01-06	
Date Tested	2026-01-06 to 2026-06-17	
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.	David Collins Lab Supervisor 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/USEMCSC C63.10-2020+Cor 1-2023
- 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)
 $36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} = 28.9 \text{ dBuV/m}$

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.
 $36.5 \text{ dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} = 46.6 \text{ dBuV}$

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 RX only) 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.

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	Configuration	Output Power (dBm)	Output Power (mW)
5162 - 5245	BDR	Ant 6	High Power	9.99	9.98
			Low Power	4.49	2.81
		ANT 16	High Power	9.99	9.98
			Low Power	4.49	2.81
		BF, Ant 6 + ANT 16	High Power	9.99	9.98
			Low Power	7.50	5.62
5162 - 5245	HDT2	Ant 6	High Power	11.99	15.81
			Low Power	1.49	1.41
		ANT 16	High Power	11.99	15.81
			Low Power	1.49	1.41
		BF, Ant 6 + ANT 16	High Power	12.50	17.78
			Low Power	4.47	2.80
5162 - 5245	LE1M	Ant 6	High Power	10.24	10.57
			Low Power	4.49	2.81
		ANT 16	High Power	10.24	10.57
			Low Power	4.49	2.81
		BF, Ant 6 + ANT 16	High Power	10.25	10.59
			Low Power	7.50	5.62
5162 - 5245	LE2M	Ant 6	High Power	10.99	12.56
			Low Power	4.49	2.81
		ANT 16	High Power	10.99	12.56
			Low Power	4.49	2.81
		BF, Ant 6 + ANT 16	High Power	10.95	12.45
			Low Power	7.50	5.62
5162 - 5245	HDRPS2	Ant 6	High Power	11.99	15.81
			Low Power	1.47	1.40
		ANT 16	High Power	11.96	15.70
			Low Power	1.47	1.40
		BF, Ant 6 + ANT 16	High Power	12.25	16.79
			Low Power	4.48	2.81
5162 - 5245	HDR4	Ant 6	High Power	12.22	16.67
			Low Power	1.48	1.41
		ANT 16	High Power	12.22	16.67
			Low Power	1.46	1.40
		BF, Ant 6 + ANT 16	High Power	12.24	16.75
			Low Power	4.49	2.81
5162 - 5245	HDR8	Ant 6	High Power	13.98	25.00
			Low Power	1.49	1.41
		ANT 16	High Power	13.97	24.95
			Low Power	1.49	1.41
5162 - 5245	HDRPM12	BF, Ant 6 + ANT 16	High Power	15.00	31.62
			Low Power	4.50	2.82
5164 - 5242	XHDRPL12	Ant 6	High Power	11.99	15.81
			Low Power	1.48	1.41
		ANT 16	High Power	11.98	15.78
			Low Power	1.48	1.41
		BF, Ant 6 + ANT 16	High Power	15.00	31.62
			Low Power	4.49	2.81

5.8 GHz BAND (FCC)

UNII-3 Frequency Range (MHz)	Worst-Case Mode	Antenna	Configuration	Output Power (dBm)	Output Power (mW)
5733 - 5844	BDR	Ant 6	High Power	18.99	79.25
			Low Power	4.49	2.81
		ANT 16	High Power	18.99	79.25
			Low Power	4.49	2.81
		BF, Ant 6 + ANT 16	High Power	22.00	158.49
			Low Power	7.50	5.62
5733 - 5844	HDT2	Ant 6	High Power	11.99	15.81
			Low Power	1.49	1.41
		ANT 16	High Power	11.99	15.81
			Low Power	1.48	1.41
		BF, Ant 6 + ANT 16	High Power	14.97	31.41
			Low Power	4.46	2.79
5733 - 5844	LE1M	Ant 6	High Power	18.98	79.07
			Low Power	4.49	2.81
		ANT 16	High Power	18.99	79.25
			Low Power	4.49	2.81
		BF, Ant 6 + ANT 16	High Power	21.97	157.40
			Low Power	7.48	5.60
5733 - 5844	LE2M	Ant 6	High Power	18.99	79.25
			Low Power	4.49	2.81
		ANT 16	High Power	18.99	79.25
			Low Power	4.48	2.81
		BF, Ant 6 + ANT 16	High Power	21.96	157.04
			Low Power	7.50	5.62
5733 - 5844	HDR4	Ant 6	High Power	13.97	24.95
			Low Power	1.49	1.41
		ANT 16	High Power	13.95	24.83
			Low Power	1.48	1.41
		BF, Ant 6 + ANT 16	High Power	16.97	49.77
			Low Power	4.49	2.81
5733 - 5844	HDR8	Ant 6	High Power	13.98	25.00
			Low Power	1.49	1.41
		ANT 16	High Power	13.98	25.00
			Low Power	1.49	1.41
		BF, Ant 6 + ANT 16	High Power	17.00	50.12
			Low Power	4.49	2.81
5733 - 5844	XHDRPL12	Ant 6	High Power	11.98	15.78
			Low Power	1.48	1.41
		ANT 16	High Power	11.98	15.78
			Low Power	1.48	1.41
		BF, Ant 6 + ANT 16	High Power	14.98	31.48
			Low Power	4.47	2.80

6.3. DESCRIPTION OF AVAILABLE ANTENNAS AND CABLE LOSS

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

Model	FCC ID	Frequency Range (MHz)	Antenna 6 (dBi)	Antenna 16 (dBi)	Uncorrelated Chains (dBi)	Correlated Chains (dBi)	Reference Model
A3472	BCG-E9186A	5150 - 5250 UNII - 1	-2.90	-0.50	-2.00	0.90	-
A3713	BCG-E9192A		-5.10	-0.50	-2.60	0.20	A3472
A3714	BCG-E9193A						
A3715	BCG-E9194A						

Model	FCC ID	Frequency Range (MHz)	Antenna 6 (dBi)	Antenna 16 (dBi)	Uncorrelated Chains (dBi)	Correlated Chains (dBi)	Reference Model
A3472	BCG-E9186A	5725 - 5825 UNII 3	-2.50	2.10	-0.20	2.50	-
A3713	BCG-E9192A		-3.40	2.10	-0.30	1.90	A3472
A3714	BCG-E9193A						
A3715	BCG-E9194A						

Note: antenna C0 and antenna C1 indicated in power tune-up document pertain to Ant 6 and ANT 16 of this report respectively.

Frequency Range (MHz)	Cable Loss	
	Antenna 6 (dBi)	Antenna 16 (dBi)
5150 - 5250 UNII - 1	-2.78	-2.61
5725 - 5825 UNII 3	-3.01	-2.80

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 24A343.

6.5. WORST-CASE CONFIGURATION AND MODE

The EUT was investigated in three orthogonal orientations X, Y and Z on ANT 6, ANT 16 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

Band	ANT6	ANT16	ANT6+16
5GHz	Y (Landscape)	Y (Landscape)	Y (Landscape)

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

For the radiation spurious harmonics testing, we have investigated both SISO and MIMO modes under low power and high power, only high power mode data is included in 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 FCC 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".

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

FCC

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
	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	X		5733-5844	X	X
	HDRPS2			X			
	XHDRPS2						
	HDR8	5162-5245	X (SISO)		5733-5844	X	X
	HDRPM4						
	HDRPM6						
	HDRPM8						
	XHDRPM4						
	XHDRPM6						
	XHDRPM8						
	HDRPM12		X (MIMO)				
	HDRPM16						
	XHDRPM12						
	XHDRPM16						
	HDRPL8	5164-5242			5733-5844		
	HDRPL12						
	HDRPL16						
	XHDRPL8						
	XHDRPL12		X	X		X	X
	XHDRPL16						
	HDRPL24						
	HDRPL32						
	XHDRPL24						
	XHDRPL32						

6.6. REUSE STATEMENT AND COMPARISON TABLE

The maximum output power for reference model A3472 (FCC ID: BCG-E9186A) and variant models A3713, A3714, A3715 (FCC ID: BCG-E9192A, BCG-E9193A, BCG-E9194A) are identical across all power tables for ANT6 and ANT16. The only difference is antenna gain decreased on ANT6.

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

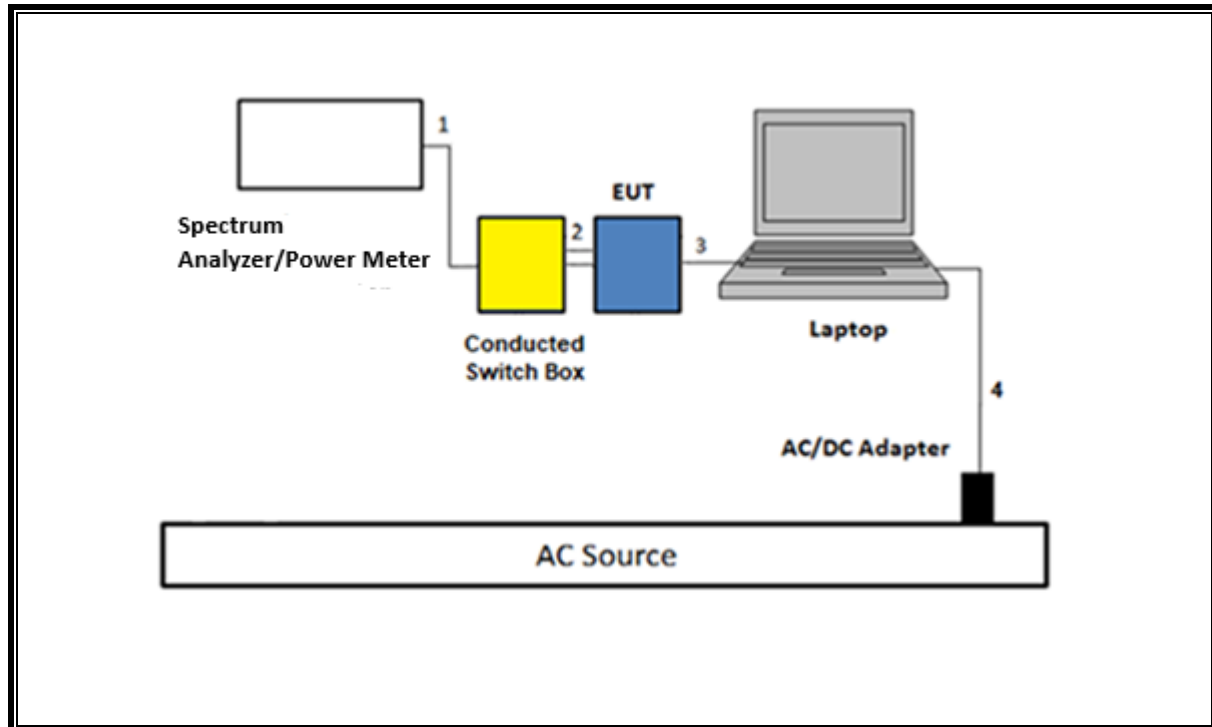
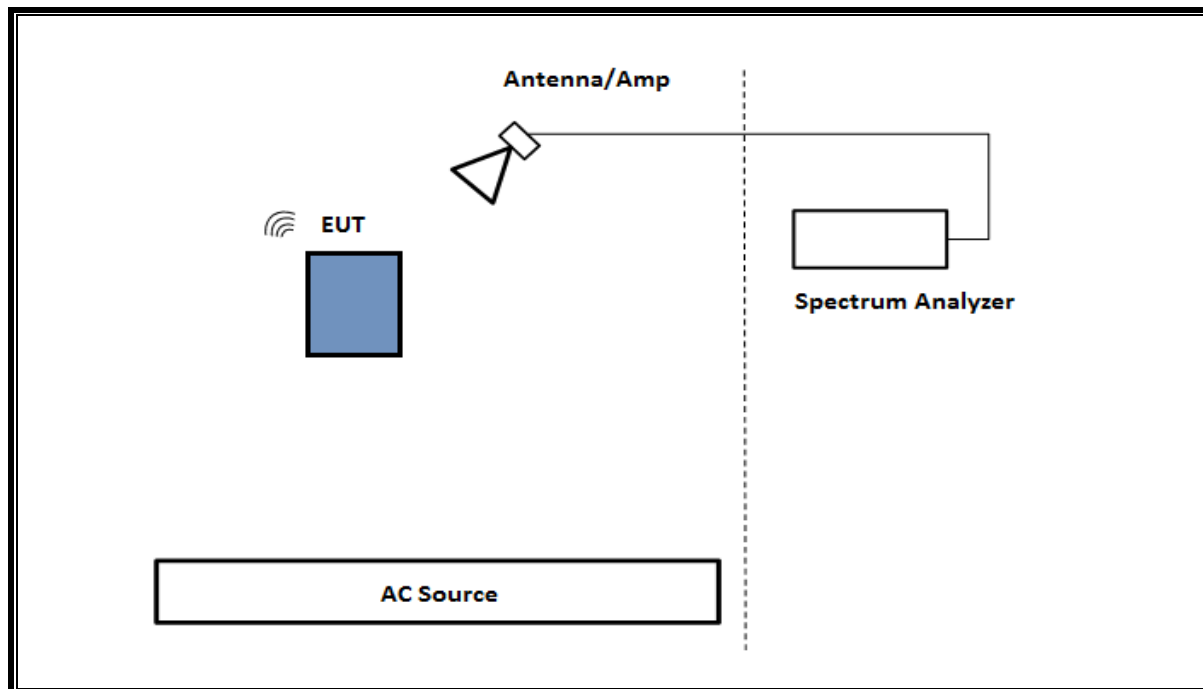
Radiated measurements are also fully reusing the reference model data supported by spot checks in Appendix A.

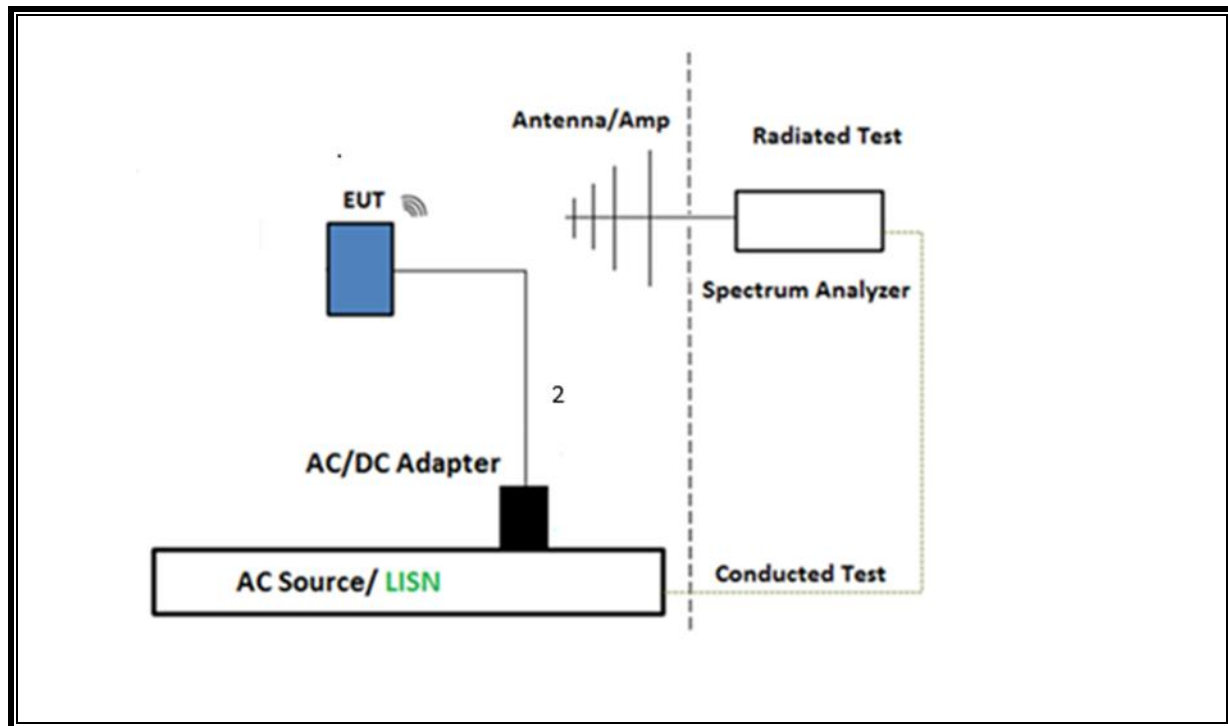
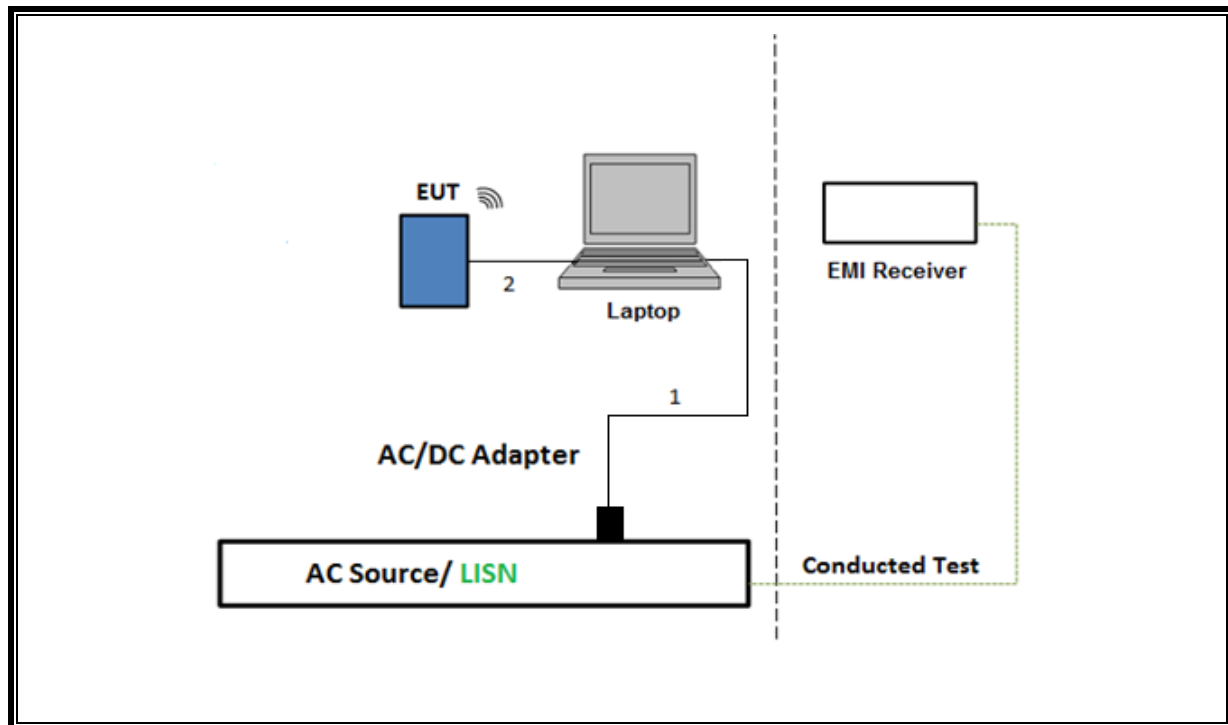
6.7. DESCRIPTION OF TEST SETUP

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
Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	216812	2026/06/30
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	230548	2027/02/28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	200896	2027/03/31
Filter box, 1-18GHz, 7 Port	UL-FR1	Frankenstein 3A	243707	2027/04/28
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169927	2027/02/28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	41112	2026/10/31
Filter Box, 1-18GHz, 6 Port	UL-FR1	RATS 1.0	250156	2026/10/31
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	191428	2027/02/28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	226674	2027/03/31
Filter Box, 1-18GHz, 6 Port	UL-FR1	RATS 1.0	171389	2027/03/30
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	226078	2027/02/28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	222740	2026/09/30
Antenna, Broadband Hybrid, 30MHz to 3GHz	Sunol Sciences Corp.	JB3	202329	2027/04/30
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	245268	2027/02/28
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
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	226079	2027/02/28
Antenna, Horn 18-26.5GHz	A.R.A.	MWH-1826/B	81139	2027/10/31
Link File, RF Amplifier Assembly, 18-26.5GHz, 60dB Gain	Amplical	AMP18G26.5-60	220194	*2026/04/30
Antenna, Horn 26.5 to 40GHz	A.R.A.	MWH-2640/B	81105	2027/10/31
Link File, RF Amplifier Assembly, 26-40GHz, 60dB Gain	Amplical	AMP26G40-60	220193	*2026/04/30
Amplifier 9 KHz - 1 GHz	SONOMA INSTRUMENT	310N	170647	2027-03-30
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-7GHz	Rohde & Schwarz	ESCI7	82297	2027/02/28
LISN	Fischer Custom Communications, Inc	FCC-LISN-50/250-25-2-01-480V	175764	2027-01-31
Transient Limiter	TE	TBFL1	207996	2026-12-31
UL AUTOMATION SOFTWARE				
Conducted Software	UL	Station Tool	Ver 12.2, 2.1, 5.1	
Radiated Software	UL	UL EMC	Ver 9.5, Aug 25, 2025	
AC Line Conducted Software	UL	UL EMC	Ver 9.5, Aug 25, 2025	

*Testing was completed before equipment calibration due date.

8. ANTENNA PORT TEST RESULTS

8.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

PROCEDURE

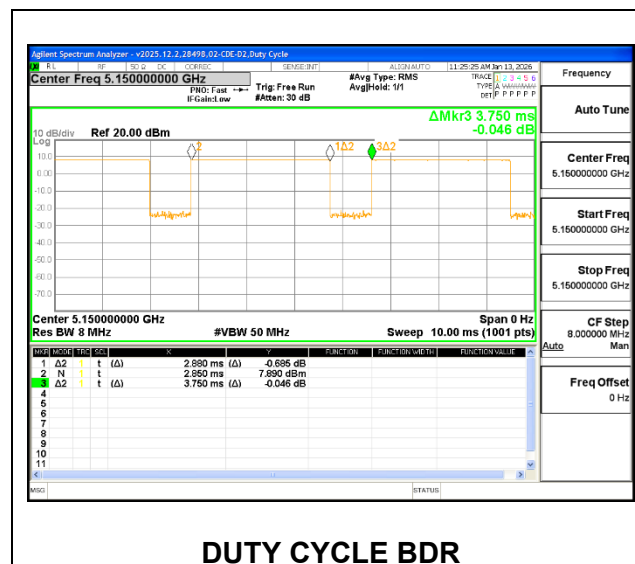
ANSI C63.10, Subclause 12.2.

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	2.880	3.750	0.768	76.80	1.15	0.347
LE1M	2.120	2.496	0.849	84.94	0.71	0.472
LE2M	1.065	1.875	0.568	56.80	2.46	0.939
HDT2	2.120	2.200	0.964	96.36	0.16	0.472
HDT4	1.101	1.179	0.934	93.38	0.30	0.908
HDR4	2.925	3.750	0.780	78.00	1.08	0.342
HDRPS2	16.200	17.500	0.926	92.57	0.34	0.062
HDR8	2.925	3.750	0.780	78.00	1.08	0.342
HDRPM12	2.340	2.500	0.936	93.60	0.29	0.427
XHDRPL12	2.216	2.488	0.891	89.07	0.50	0.451

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

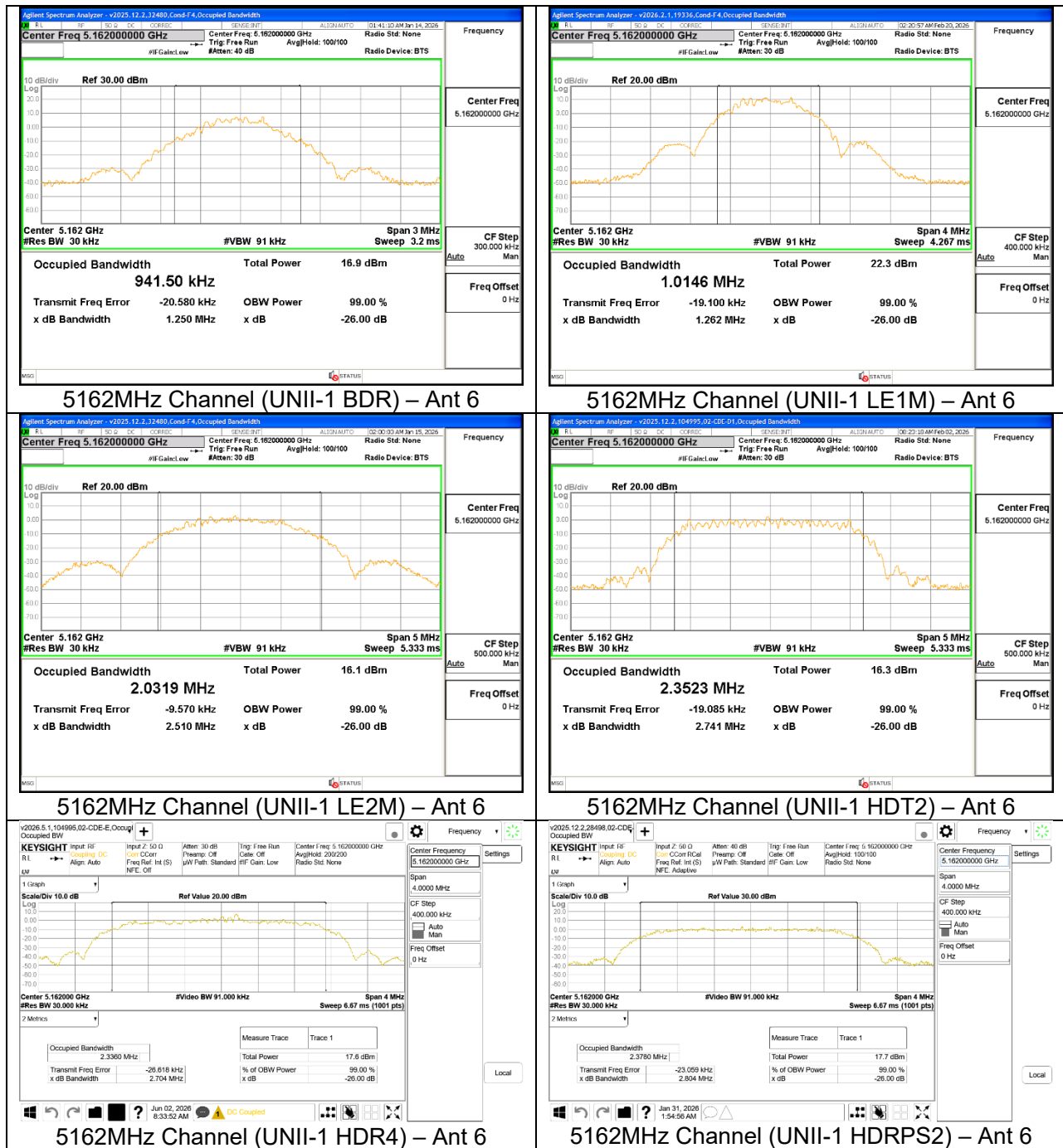
RESULTS

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 16	Ant 6	Ant 16
BDR	5162	Low	1.25	1.256	0.9415	0.94285
	5203	Mid	1.255	1.251	0.9447	0.93924
	5245	High	1.245	1.254	0.94949	0.94086
LE1M	5162	Low	1.262	1.259	1.0146	1.0178
	5203	Mid	1.258	1.257	1.014	1.018
	5245	High	1.26	1.259	1.0209	1.0136
LE2M	5162	Low	2.51	2.157	2.0319	2.0377
	5203	Mid	2.494	2.527	2.025	2.0368
	5245	High	2.508	2.51	2.0235	2.035
HDT2	5162	Low	2.741	2.734	2.3523	2.3553
	5203	Mid	2.74	2.741	2.3549	2.353
	5245	High	2.741	2.741	2.3551	2.3536
HDR4	5162	Low	2.704	2.711	2.336	2.3339
	5203	Mid	2.682	2.699	2.3342	2.3304
	5245	High	2.711	2.686	2.3387	2.3328
HDRPS2	5162	Low	2.804	2.807	2.378	2.4043
	5203	Mid	2.674	2.692	2.3796	2.3862
	5245	High	2.678	2.793	2.3863	2.3849
HDR8	5162	Low	5.3	5.302	4.6619	4.6655
	5203	Mid	5.329	5.358	4.6894	4.6706
	5245	High	5.301	5.3	4.6713	4.6519
XHDRPL12	5164	Low	10.7	11.23	9.4981	9.4914
	5203	Mid	10.75	10.65	9.4282	9.4268
	5242	High	10.69	10.67	9.4501	9.4478

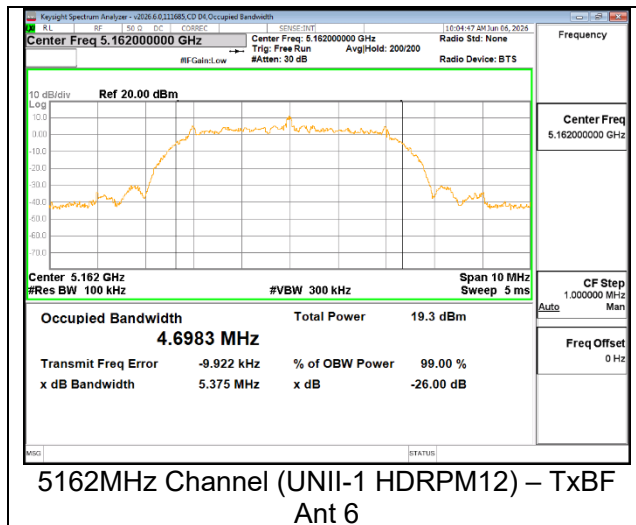
REFERENCE OBW PLOTS





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 16	Ant 6	Ant 16
BDR	5162	Low	1.26	1.257	0.94227	0.94855
	5203	Mid	1.227	1.25	0.93497	0.94308
	5245	High	1.255	1.25	0.94582	0.93569
LE1M	5162	Low	1.262	1.265	1.0174	1.0227
	5203	Mid	1.264	1.263	1.0211	1.0187
	5245	High	1.256	1.261	1.014	1.0169
LE2M	5162	Low	2.52	2.509	2.0332	2.0308
	5203	Mid	2.505	2.512	2.0338	2.0336
	5245	High	2.494	2.525	2.0326	2.0401
HDT2	5162	Low	2.741	2.742	2.357	2.3538
	5203	Mid	2.739	2.738	2.3545	2.3559
	5245	High	2.742	2.741	2.3582	2.3594
HDR4	5162	Low	2.713	2.702	2.3353	2.3373
	5203	Mid	2.701	2.698	2.3271	2.3301
	5245	High	2.705	2.71	2.3334	2.3395
HDRPS2	5162	Low	2.651	2.737	2.3742	2.3958
	5203	Mid	2.798	2.794	2.3985	2.3895
	5245	High	2.676	2.675	2.38	2.3709
HDRPM12	5162	Low	5.375	5.378	4.6983	4.679
	5203	Mid	5.404	5.38	4.7189	4.6985
	5245	High	5.44	5.362	4.7157	4.6898
XHDRPL12	5164	Low	11.08	11.16	9.4332	9.4402
	5203	Mid	10.8	10.83	9.4899	9.4382
	5242	High	11.18	11.17	9.4961	9.4452

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 16	Ant 6	Ant 16
BDR	5733	Low	1.246	1.260	0.93517	0.94122
	5788	Mid	1.252	1.255	0.94759	0.94342
	5844	High	1.228	1.248	0.93768	0.94571
LE1M	5733	Low	1.265	1.257	1.0245	1.0182
	5788	Mid	1.259	1.261	1.0200	1.0163
	5844	High	1.260	1.258	1.0177	1.0165
LE2M	5733	Low	2.517	2.509	2.03750	2.03670
	5788	Mid	2.516	2.505	2.03480	2.02710
	5844	High	2.493	2.513	2.03000	2.03270
HDT2	5733	Low	2.745	2.745	2.3545	2.3523
	5788	Mid	2.780	2.795	2.3545	2.3540
	5844	High	2.765	2.755	2.3548	2.3598
HDR4	5733	Low	2.707	2.723	2.3359	2.3388
	5788	Mid	2.707	2.693	2.3372	2.3471
	5844	High	2.693	2.699	2.3378	2.3395
HDR8	5733	Low	5.339	5.274	4.6654	4.6454
	5788	Mid	5.325	5.307	4.6715	4.6891
	5844	High	5.295	5.284	4.6404	4.6435
XHDRPL12	5733	Low	10.59	11.08	9.3814	9.4208
	5788	Mid	11.01	10.76	9.4526	9.3589
	5844	High	10.64	11.10	9.4203	9.4433

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 16	Ant 6	Ant 16
BDR	5733	Low	1.260	1.248	0.94434	0.94019
	5788	Mid	1.255	1.258	0.93653	0.95190
	5844	High	1.258	1.242	0.94233	0.94081
LE1M	5733	Low	1.261	1.254	1.0146	1.02160
	5788	Mid	1.260	1.259	1.0144	1.01640
	5844	High	1.260	1.260	1.0171	1.01230
LE2M	5733	Low	2.502	2.506	2.0312	2.02760
	5788	Mid	2.510	2.490	2.0357	2.02820
	5844	High	2.509	2.509	2.0305	2.03440
HDT2	5733	Low	2.741	2.740	2.3517	2.3589
	5788	Mid	2.738	2.740	2.3556	2.3535
	5844	High	2.741	2.739	2.3565	2.3570
HDR4	5733	Low	2.711	2.697	2.3336	2.3348
	5788	Mid	2.709	2.686	2.3399	2.3476
	5844	High	2.705	2.711	2.3312	2.3314
HDR8	5733	Low	5.290	5.283	4.6517	4.6539
	5788	Mid	5.286	5.327	4.6499	4.6912
	5844	High	5.311	5.336	4.6705	4.6995
XHDRPL12	5733	Low	11.01	10.73	9.4021	9.4154
	5788	Mid	11.06	11.00	9.4127	9.4185
	5844	High	11.03	11.01	9.4011	9.3849

8.3. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

RSS-247 7.3.4.2

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 were set to test as the worst-case scenario.

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

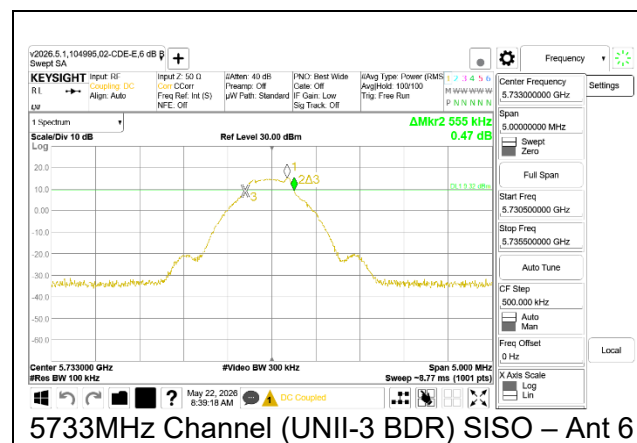
8.3.1. HIGH OUTPUT BDR SISO MODE IN THE UNII-3 BAND

UNII-3 (SISO)	Frequency (MHz)	Channel Number	6 dB BW (MHz)	
			Ant 6	Ant 16
BDR	5733	Low	0.555	0.560
	5788	Mid	0.565	0.570
	5844	High	0.560	0.560

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

UNII-3 (TxBF)	Frequency (MHz)	Channel Number	6 dB BW (MHz)	
			Ant 6	Ant 16
BDR	5733	Low	0.555	0.560
	5788	Mid	0.560	0.560
	5844	High	0.560	0.555

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 collocated 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:

Frequency Range (MHz)	Antenna 6 (dBi)	Antenna 16 (dBi)	Uncorrelated Chains (dBi)	Correlated Chains (dBi)
5150 - 5250 UNII - 1	-2.90	-0.50	-2.00	0.90
5725 - 5825 UNII 3	-2.50	2.10	-0.20	2.50

Output Power Calculation:**1Tx**

Total corr'd power = Ant 6

Sample Calculation at UNII-1 Band:

ANT 6 Power = 9.95 dBm (Gated Power)

Total corr'd power = 9.95 dBm

2Tx

Total corr'd power = $10 \cdot \log(10^{(\text{Ant 6}/10)} + 10^{(\text{Ant 16}/10)})$

Sample Calculation at UNII-1 Band:

Ant 6 Power = 6.92 dBm, Ant 16 Power = 6.98 dBm

Total corr'd power = $10 \cdot \log(10^{(6.92/10)} + 10^{(6.98/10)}) = 9.96 \text{ dBm}$

PSD Calculation:**1Tx**

Total corr'd PSD = DCCF + Ant 6

Sample Calculation at UNII-1 Band:

Ant 6 PSD = 9.516 dBm/MHz

Total corr'd PSD = 1.15 + 9.516 = 10.666 dBm/MHz

2Tx

Total corr'd PSD = $(10 \cdot \log(10^{((\text{DCCF} + \text{Ant 6})/10)} + 10^{((\text{DCCF} + \text{Ant 16})/10)}))$

Sample Calculation at UNII-1 Band:

Ant6 PSD = 6.765 dBm/MHz, Ant16 PSD = 6.658 dBm/MHz

Total corr'd PSD = $(10 \cdot \log(10^{((1.15 + (6.765))/10)} + 10^{((1.15 + (6.658))/10)}))$
= 10.872 dBm/MHz

RESULTS

8.4.1. UNII-1 BAND SISO MODE

FCC

UNII-1 (SISO) (5162 - 5245MHz)	
Ant 6 (dBi)	-2.9
Ant 16 (dBi)	-0.5

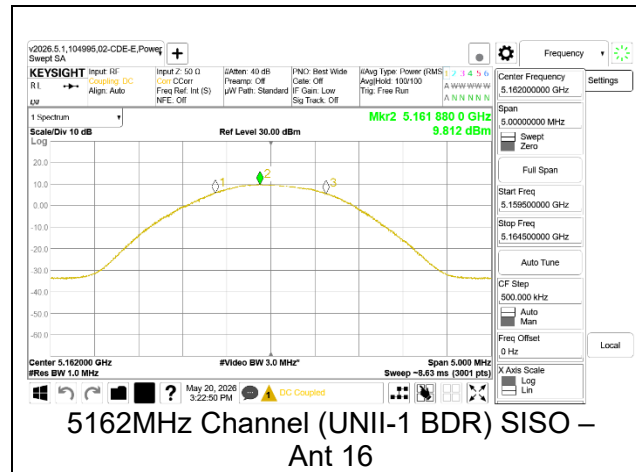
UNII-1 (SISO)	Power Config.	Freq (MHz)	Ch. #	Duty Cycle (dB)	Minimum Bandwidth (MHz)		Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/MHz)		PSD (dBm/MHz)		Total Corrected PSD (dBm/MHz)																																				
					Ant 6	Ant 16	Ant 6	Ant 16	Ant 6	Ant 16	Ant 6	Ant 16	Ant 6	Ant 16	Ant 6	Ant 16	Ant 6	Ant 16	Ant 6	Ant 16																																	
BDR	High	5162	Low	1.15	--	24	24		9.95	9.97	9.95	9.97	11	11	9.516	9.812	10.666	10.962																																			
		5203	Mid						9.99	9.98	9.99	9.98			9.700	9.794	10.850	10.944																																			
		5245	High						9.98	9.99	9.98	9.99			9.438	9.715	10.588	10.865																																			
	Low	5162	Low						4.43	4.44	4.43	4.44			4.507	4.269	5.657	5.419																																			
		5203	Mid						4.44	4.46	4.44	4.46			4.605	4.341	5.755	5.491																																			
		5245	High						4.49	4.49	4.49	4.49			4.341	4.335	5.491	5.485																																			
HDT2	High	5162	Low	0.16					--	24		11.99			11.92	11.99	11.92	11	11	9.194	9.213	9.354	9.373																														
		5203	Mid									11.88			11.99	11.88	11.99			9.196	9.293	9.356	9.453																														
		5245	High									11.90			11.99	11.90	11.99			9.167	9.140	9.327	9.300																														
	Low	5162	Low									1.42			1.49	1.42	1.49			-1.133	-1.163	-0.973	-1.003																														
		5203	Mid									1.49			1.38	1.49	1.38			-1.116	-1.249	-0.956	-1.089																														
		5245	High									1.38			1.33	1.38	1.33			-1.415	-1.465	-1.255	-1.305																														
LE1M	High	5162	Low	0.71								--			24		10.21			10.10	10.21	10.10	11	11	9.293	9.157	10.003	9.867																									
		5203	Mid														10.22			10.24	10.22	10.24			9.031	9.197	9.741	9.907																									
		5245	High														10.24			10.18	10.24	10.18			9.189	9.213	9.899	9.923																									
	Low	5162	Low														4.48			4.34	4.48	4.34			3.610	3.565	4.320	4.275																									
		5203	Mid														4.49			4.49	4.49	4.49			4.030	3.893	4.740	4.603																									
		5245	High														4.37			4.49	4.37	4.49			3.512	3.464	4.222	4.174																									
LE2M	High	5162	Low	2.46													--			24		10.97			10.99	10.97	10.99	11	11	7.260	7.430	9.720	9.890																				
		5203	Mid																			10.99			10.91	10.99	10.91			7.324	7.340	9.784	9.800																				
		5245	High																			10.92			10.86	10.92	10.86			7.271	7.253	9.731	9.713																				
	Low	5162	Low																			4.47			4.30	4.47	4.30			0.745	0.766	3.205	3.226																				
		5203	Mid																			4.49			4.46	4.49	4.46			1.045	0.713	3.505	3.173																				
		5245	High																			4.36			4.49	4.36	4.49			1.106	0.882	3.566	3.342																				
HDRPS2	High	5162	Low	0.34																		--			24		11.99			11.95	11.99	11.95	11	11	10.552	10.599	10.892	10.939															
		5203	Mid																								11.96			11.96	11.96	11.96			10.446	10.553	10.786	10.893															
		5245	High																								11.98			11.95	11.98	11.95			10.582	10.568	10.922	10.908															
	Low	5162	Low																								1.44			1.47	1.44	1.47			0.216	0.367	0.556	0.707															
		5203	Mid																								1.47			1.46	1.47	1.46			0.395	0.317	0.735	0.657															
		5245	High																								1.45			1.43	1.45	1.43			0.358	0.265	0.698	0.605															
HDR4	High	5162	Low	1.08																							--			24		12.19			12.20	12.19	12.20	11	11	8.792	8.832	9.872	9.912										
		5203	Mid																													12.22			12.22	12.22	12.22			9.087	8.786	10.167	9.866										
		5245	High																													12.19			12.20	12.19	12.20			8.874	9.055	9.954	10.135										
	Low	5162	Low																													1.43			1.44	1.43	1.44			-1.812	-1.775	-0.732	-0.695										
		5203	Mid																													1.48			1.45	1.48	1.45			-1.799	-1.715	-0.719	-0.635										
		5245	High																													1.44			1.46	1.44	1.46			-1.836	-1.745	-0.756	-0.665										
HDR8	High	5162	Low	1.08																												--			24		13.95			13.95	13.95	13.95	11	11	9.529	9.332	10.609	10.412					
		5203	Mid																																		13.98			13.97	13.98	13.97			9.511	9.363	10.591	10.443					
		5245	High																																		13.96			13.94	13.96	13.94			9.805	9.392	10.885	10.472					
	Low	5162	Low																																		1.49			1.49	1.49	1.49			-3.886	-3.529	-2.806	-2.449					
		5203	Mid																																		1.48			1.48	1.48	1.48			-3.423	-3.954	-2.343	-2.874					
		5245	High																																		1.49			1.48	1.49	1.48			-3.392	-3.395	-2.312	-2.315					
XHDRPL12	High	5164	Low	0.5																																	--			24		11.95			11.96	11.95	11.96	11	11	6.300	6.333	6.800	6.833
		5203	Mid																																							11.99			11.95	11.99	11.95			6.360	6.037	6.860	6.537
		5242	High																																							11.98			11.98	11.98	11.98			6.369	6.022	6.869	6.522
	Low	5164	Low																																							1.48			1.47	1.48	1.47			-5.109	-4.974	-4.609	-4.474
		5203	Mid																																							1.47			1.46	1.47	1.46			-5.277	-5.044	-4.777	-4.544
		5242	High																																							1.46			1.48	1.46	1.48			-4.883	-5.004	-4.383	-4.504

8.4.2. UNII-1 BAND MIMO TXBF MODE

FCC

UNII-1 (MIMO BF) (5162 - 5245MHz)	
Un-Correlated Gain (dBi)	-2.00
Correlated Gain (dBi)	0.90

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 16			Ant 6	Ant 16	
BDR (FCC)	High	5162	Low	1.15	--	24	6.92	6.98	9.96	11	6.765	6.658	10.872
		5203	Mid				6.99	6.97	9.99		6.807	6.763	10.945
		5245	High				6.96	6.99	9.99		6.587	6.851	10.881
	5162	Low	4.44				4.44	7.45	4.443		4.327	8.546	
	Low	5203	Mid				4.49	4.48	7.50		4.452	4.303	8.538
		5245	High				4.47	4.48	7.49		4.524	4.163	8.508
HDT2		High	5162	Low			9.47	9.48	12.49		6.674	6.590	9.803
	5203		Mid	9.48			9.43	12.47	6.631		6.557	9.764	
	5245		High	9.49			9.49	12.50	6.492		6.459	9.646	
	Low	5162	Low	1.43			1.36	4.41	-1.417		-1.253	1.836	
		5203	Mid	1.48			1.30	4.40	-1.271		-1.168	1.951	
		5245	High	1.43			1.49	4.47	-1.476		-1.338	1.764	
LE1M	High	5162	Low	7.24			7.24	10.25	6.293		6.154	9.944	
		5203	Mid	7.20			7.13	10.18	6.539		6.325	10.154	
		5245	High	7.14			7.09	10.13	5.965		6.217	9.813	
	Low	5162	Low	4.35			4.48	7.43	3.493		3.512	7.223	
		5203	Mid	4.40			4.39	7.41	3.614		3.575	7.315	
		5245	High	4.49			4.49	7.50	3.440		3.533	7.207	
LE2M (FCC)	High	5162	Low	7.92			7.85	10.90	4.186		4.317	9.722	
		5203	Mid	7.89			7.99	10.95	4.171		4.445	9.780	
		5245	High	7.92			7.94	10.94	4.078		4.622	9.829	
	Low	5162	Low	4.36			4.46	7.42	1.020		0.779	6.371	
		5203	Mid	4.39			4.49	7.45	0.802		1.030	6.388	
		5245	High	4.49			4.49	7.50	0.952		0.866	6.380	
HDRPS2	High	5162	Low	9.24			9.24	12.25	6.306		6.763	9.891	
		5203	Mid	9.23			9.23	12.24	6.232		6.353	9.643	
		5245	High	9.23			9.22	12.24	6.411		6.192	9.653	
	Low	5162	Low	1.48			1.45	4.48	0.216		0.390	3.654	
		5203	Mid	1.46			1.48	4.48	0.356		0.588	3.824	
		5245	High	1.44			1.44	4.45	0.286		0.501	3.745	
HDR4	High	5162	Low	9.23			9.23	12.24	6.259		6.187	10.313	
		5203	Mid	9.21			9.20	12.22	6.112		6.093	10.193	
		5245	High	9.21			9.21	12.22	6.058		6.021	10.130	
	Low	5162	Low	1.48			1.48	4.49	-1.734		-1.707	2.370	
		5203	Mid	1.45			1.48	4.48	-1.676		-1.742	2.381	
		5245	High	1.43			1.47	4.46	-1.735		-1.786	2.330	
HDRPM12	High	5162	Low	11.96			11.96	14.97	7.230		7.022	10.428	
		5203	Mid	11.98			11.99	15.00	6.837		6.907	10.172	
		5245	High	11.94			11.96	14.96	6.997		7.041	10.319	
	Low	5162	Low	1.44			1.47	4.47	-1.917		-1.945	1.369	
		5203	Mid	1.49			1.48	4.50	-1.956		-1.921	1.362	
		5245	High	1.48			1.49	4.50	-2.226		-2.383	0.997	
XHDRPL12	High	5164	Low	11.96			11.94	14.96	4.950		5.170	8.572	
		5203	Mid	11.97			11.96	14.98	4.933		5.126	8.541	
		5242	High	11.98			11.99	15.00	4.915		5.142	8.540	
	Low	5164	Low	1.47			1.47	4.48	-5.251		-5.097	-1.663	
		5203	Mid	1.46			1.49	4.49	-5.106		-4.918	-1.501	
		5242	High	1.48			1.43	4.47	-4.812		-4.964	-1.377	

WORST MAXIMUM PSD PLOT

8.4.3. UNII-3 BAND SISO MODE

FCC

UNII-3 (SISO) (5733- 5844MHz)	
Ant 6 (dBi)	-2.5
Ant 16 (dBi)	2.1

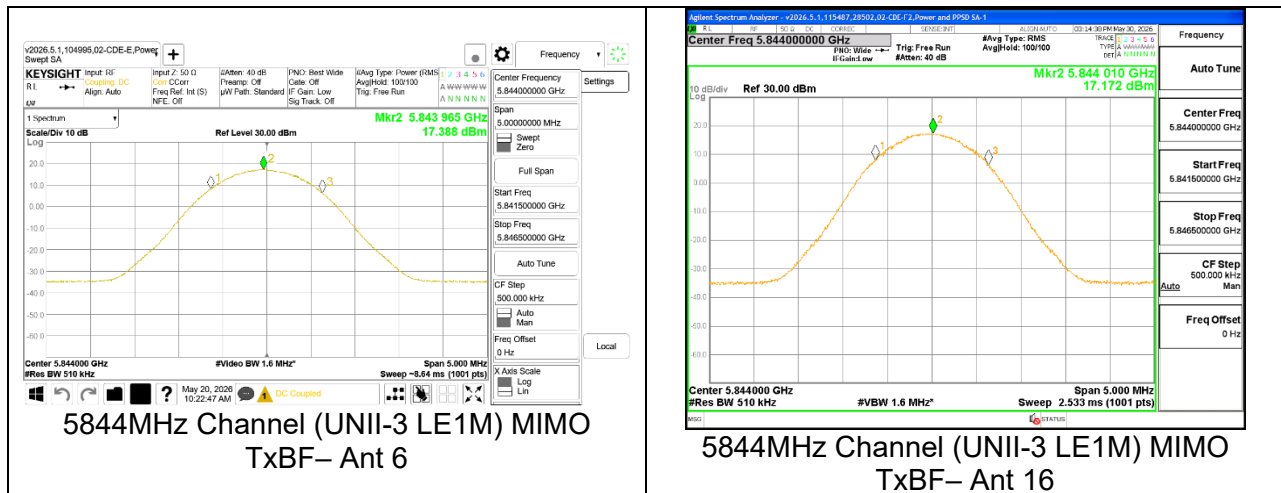
UNII-3 (SISO)	Power Config.	Freq (MHz)	Ch. #	Duty Cycle (dB)	Power Limit (dBm)		Output Power (Gated) (dBm)		Total Corrected Power (dBm)		PSD Limit (dBm/500kHz)		PSD (dBm/500kHz)		Total Corrected PSD (dBm/500kHz)	
					Ant 6	Ant 16	Ant 6	Ant 16	Ant 6	Ant 16	Ant 6	Ant 16	Ant 6	Ant 16	Ant 6	Ant 16
BDR	High	5733	Low	1.15	30	30	18.95	18.95	18.95	18.95	30	30	15.812	16.107	16.962	17.257
		5788	Mid				18.99	18.99	18.99	18.99			16.070	16.003	17.220	17.153
		5844	High				18.96	18.99	18.96	18.99			15.734	15.817	16.884	16.967
	Low	5733	Low				4.49	4.42	4.49	4.42			5.515	5.557	6.665	6.707
		5788	Mid				4.47	4.49	4.47	4.49			5.549	5.355	6.699	6.505
		5844	High				4.49	4.47	4.49	4.47			5.559	5.263	6.709	6.413
HDT2	High	5733	Low	0.16			11.99	11.99	11.99	11.99			6.358	6.798	6.518	6.958
		5788	Mid				11.92	11.96	11.92	11.96			6.601	6.494	6.761	6.654
		5844	High				11.91	11.95	11.91	11.95			6.388	6.722	6.548	6.882
	Low	5733	Low				1.49	1.48	1.49	1.48			-3.507	-3.610	-3.347	-3.450
		5788	Mid				1.38	1.43	1.38	1.43			-3.453	-4.025	-3.293	-3.865
		5844	High				1.41	1.41	1.41	1.41			-3.537	-3.641	-3.377	-3.481
LE1M	High	5733	Low	0.71			18.98	18.83	18.98	18.83			17.237	17.118	17.947	17.828
		5788	Mid				18.97	18.99	18.97	18.99			17.173	17.075	17.883	17.785
		5844	High				18.96	18.97	18.96	18.97			17.263	17.127	17.973	17.837
	Low	5733	Low				4.49	4.44	4.49	4.44			2.560	2.766	3.270	3.476
		5788	Mid				4.49	4.43	4.49	4.43			2.531	2.670	3.241	3.380
		5844	High				4.47	4.49	4.47	4.49			2.765	2.837	3.475	3.547
LE2M	High	5733	Low	2.46			18.95	18.98	18.95	18.98			13.175	13.231	15.635	15.691
		5788	Mid				18.99	18.99	18.99	18.99			13.206	13.326	15.666	15.786
		5844	High				18.98	18.95	18.98	18.95			13.128	12.935	15.588	15.395
	Low	5733	Low				4.48	4.47	4.48	4.47			-0.926	-0.848	1.534	1.612
		5788	Mid				4.47	4.45	4.47	4.45			-0.808	-0.774	1.652	1.686
		5844	High				4.49	4.48	4.49	4.48			-0.814	-0.59	1.646	1.870
HDR4	High	5733	Low	1.08			13.96	13.94	13.96	13.94			8.720	8.849	9.800	9.929
		5788	Mid				13.97	13.95	13.97	13.95			8.855	8.755	9.935	9.835
		5844	High				13.97	13.93	13.97	13.93			8.769	8.918	9.849	9.998
	Low	5733	Low				1.32	1.48	1.32	1.48			-3.659	-3.568	-2.579	-2.488
		5788	Mid				1.44	1.47	1.44	1.47			-3.837	-3.998	-2.757	-2.918
		5844	High				1.49	1.46	1.49	1.46			-3.748	-3.882	-2.668	-2.802
HDR8	High	5733	Low	1.08			13.98	13.97	13.98	13.97			6.362	6.173	7.442	7.253
		5788	Mid				13.95	13.98	13.95	13.98			6.284	6.115	7.364	7.195
		5844	High				13.97	13.95	13.97	13.95			6.405	6.482	7.485	7.562
	Low	5733	Low				1.48	1.47	1.48	1.47			-5.993	-5.809	-4.913	-4.729
		5788	Mid				1.49	1.49	1.49	1.49			-5.710	-5.919	-4.630	-4.839
		5844	High				1.47	1.46	1.47	1.46			-5.623	-5.769	-4.543	-4.689
XHDRPL12	High	5733	Low	0.5			11.98	11.98	11.98	11.98			1.434	1.037	1.934	1.537
		5788	Mid				11.96	11.87	11.96	11.87			1.536	1.230	2.036	1.730
		5844	High				11.96	11.97	11.96	11.97			1.515	1.358	2.015	1.858
	Low	5733	Low				1.48	1.45	1.48	1.45			-8.497	-8.686	-7.997	-8.186
		5788	Mid				1.44	1.44	1.44	1.44			-8.499	-8.620	-7.999	-8.120
		5844	High				1.45	1.48	1.45	1.48			-8.683	-8.525	-8.183	-8.025

8.4.4. UNII-3 BAND MIMO TXBF MODE

FCC

UNII-3 (MIMO BF) (5733- 5844MHz)	
Un-Correlated Gain (dBi)	-0.2
Correlated Gain (dBi)	2.5

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 16			Ant 6	Ant 16	
BDR	High	5733	Low	1.15	30	18.98	18.96	21.98	30	15.800	15.942	20.032
		5788	Mid			18.97	18.99	21.99		15.632	16.037	20.000
		5844	High			18.99	18.99	22.00		15.830	16.118	20.137
	Low	5733	Low			4.45	4.42	7.45		5.496	5.610	9.714
		5788	Mid			4.49	4.48	7.50		5.370	5.589	9.641
		5844	High			4.48	4.49	7.50		5.489	5.250	9.531
HDT2	High	5733	Low	0.16		11.98	11.78	14.89		6.148	6.683	9.594
		5788	Mid			11.91	11.99	14.96		6.559	6.511	9.705
		5844	High			11.95	11.97	14.97		6.418	6.689	9.726
	Low	5733	Low			1.40	1.49	4.46		-3.521	-3.574	-0.377
		5788	Mid			1.49	1.33	4.42		-3.841	-3.847	-0.674
		5844	High			1.42	1.44	4.44		-3.828	-3.553	-0.518
LE1M	High	5733	Low	0.71		18.96	18.83	21.91		17.482	17.001	20.968
		5788	Mid			18.95	18.96	21.97		17.218	17.078	20.869
		5844	High			18.92	18.99	21.97		17.388	17.172	21.002
	Low	5733	Low			4.47	4.45	7.47		2.623	2.742	6.403
		5788	Mid			4.47	4.46	7.48		2.555	2.483	6.239
		5844	High			4.46	4.49	7.49		2.614	2.881	6.470
LE2M	High	5733	Low	2.46		18.93	18.92	21.94		13.830	13.388	19.085
		5788	Mid			18.93	18.96	21.96		13.678	13.660	19.139
		5844	High			18.90	18.88	21.90		13.797	13.422	19.084
	Low	5733	Low			4.48	4.48	7.49		-0.694	-0.692	4.777
		5788	Mid			4.49	4.49	7.50		-0.855	-0.830	4.628
		5844	High			4.47	4.45	7.47		-0.772	-0.699	4.735
HDR4	High	5733	Low	1.08		13.96	13.95	16.97		8.780	8.880	12.921
		5788	Mid			13.94	13.97	16.97		8.823	8.654	12.830
		5844	High			13.95	13.96	16.97		8.698	8.771	12.825
	Low	5733	Low			1.38	1.48	4.44		-3.528	-3.619	0.517
		5788	Mid			1.47	1.49	4.49		-3.882	-3.780	0.260
		5844	High			1.49	1.47	4.49		-3.572	-3.815	0.398
HDR8	High	5733	Low	1.08		13.99	13.94	16.98		6.113	6.008	10.151
		5788	Mid			13.96	13.93	16.96		6.409	5.988	10.294
		5844	High			13.99	13.98	17.00		6.226	6.349	10.378
	Low	5733	Low			1.49	1.47	4.49		-5.614	-6.053	-1.738
		5788	Mid			1.49	1.45	4.48		-5.967	-5.721	-1.752
		5844	High			1.46	1.49	4.49		-5.576	-5.903	-1.646
XHDRPL12	High	5733	Low	0.5		11.99	11.97	14.99		1.473	1.408	4.951
		5788	Mid			11.97	11.97	14.98		1.582	1.289	4.948
		5844	High			11.98	11.94	14.97		1.268	1.378	4.834
	Low	5733	Low			1.49	1.45	4.48		-8.709	-8.764	-5.226
		5788	Mid			1.43	1.48	4.47		-8.789	-8.707	-5.238
		5844	High			1.48	1.48	4.49		-8.715	-8.642	-5.168

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

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 from 1 – 18 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

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/ 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	* 5.15	56.26	Pk	34.4	-37.6	0	53.06	-	-	74	-20.94	317	126	H
			* 5.134168	59.27	Pk	34.3	-37.8	0	55.77	-	-	74	-18.23	317	126	H
			* 5.15	46.5	RMS	34.4	-37.6	1.15	44.45	54	-9.55	-	-	317	126	H
			* 5.147668	47.11	RMS	34.4	-37.7	1.15	44.96	54	-9.04	-	-	317	126	H
			* 5.15	56.48	Pk	34.4	-37.6	0	53.28	-	-	74	-20.72	330	299	V
			* 5.009528	59.51	Pk	34.1	-37.7	0	55.91	-	-	74	-18.09	330	299	V
		16	* 5.15	45.42	RMS	34.4	-37.6	1.15	43.37	54	-10.63	-	-	330	299	V
			* 5.007917	47.56	RMS	34.1	-37.71	1.15	45.1	54	-8.9	-	-	330	299	V
			* 5.15	40.28	Pk	34.4	-24.27	0	50.41	-	-	74	-23.59	322	227	H
			* 5.148029	42.11	Pk	34.4	-24.28	0	52.23	-	-	74	-21.77	322	227	H
			* 5.15	29.44	RMS	34.4	-24.27	1.15	40.72	54	-13.28	-	-	322	227	H
			* 5.148835	30.02	RMS	34.4	-24.26	1.15	41.31	54	-12.69	-	-	322	227	H
			* 5.15	39.48	Pk	34.4	-24.27	0	49.61	-	-	74	-24.39	69	195	V
			* 5.139696	41.27	Pk	34.4	-24.19	0	51.48	-	-	74	-22.52	69	195	V
			* 5.15	28.14	RMS	34.4	-24.27	1.15	39.42	54	-14.58	-	-	69	195	V
			* 5.003722	30.65	RMS	34.3	-24.58	1.15	41.52	54	-12.48	-	-	69	195	V
LE1M	5162	6	* 5.15	55.84	Pk	34	-35.43	0	54.41	-	-	74	-19.59	100	106	H
			* 5.041528	58.77	Pk	33.9	-35.78	0	56.89	-	-	74	-17.11	100	106	H
			* 5.15	45.76	RMS	34	-35.43	0.71	45.04	54	-8.96	-	-	100	106	H
			* 5.148557	46.36	RMS	34	-35.44	0.71	45.63	54	-8.37	-	-	100	106	H
			* 5.15	56.1	Pk	34	-35.43	0	54.67	-	-	74	-19.33	68	304	V
			* 5.008639	58.66	Pk	33.8	-35.71	0	56.75	-	-	74	-17.25	68	304	V
		16	* 5.15	45.38	RMS	34	-35.43	0.71	44.66	54	-9.34	-	-	68	304	V
			* 5.130168	46.3	RMS	34	-35.51	0.71	45.5	54	-8.5	-	-	68	304	V
			5.136612	60.65	Pk	34.2	-39.4	0	55.45	-	-	74	-18.55	255	102	H
			5.149251	48.95	RMS	34.2	-39.3	0.71	44.56	54	-9.44	-	-	255	102	H
			5.15	59.26	Pk	34.2	-39.3	0	54.16	-	-	74	-19.84	255	102	H
			5.15	48.89	RMS	34.2	-39.3	0.71	44.5	54	-9.5	-	-	255	102	H
			5.118695	60.59	Pk	34.2	-39.3	0	55.49	-	-	74	-18.51	129	163	V
			5.14914	48.9	RMS	34.2	-39.3	0.71	44.51	54	-9.49	-	-	129	163	V
			5.15	58.4	Pk	34.2	-39.3	0	53.3	-	-	74	-20.7	129	163	V
			5.15	47.61	RMS	34.2	-39.3	0.71	43.22	54	-10.78	-	-	129	163	V
LE2M	5162	6	* 5.15	56.05	Pk	34	-35.43	0	54.62	-	-	74	-19.38	94	110	H
			* 5.005528	59.09	Pk	33.8	-35.79	0	57.1	-	-	74	-16.9	94	110	H
			* 5.15	45.02	RMS	34	-35.43	2.46	46.05	54	-7.95	-	-	94	110	H
			* 5.009889	46.56	RMS	33.8	-35.7	2.46	47.12	54	-6.88	-	-	94	110	H
			* 5.15	55.59	Pk	34	-35.43	0	54.16	-	-	74	-19.84	67	333	V
			* 5.051306	58.79	Pk	33.9	-35.77	0	56.92	-	-	74	-17.08	67	333	V
		16	* 5.15	45.27	RMS	34	-35.43	2.46	46.3	54	-7.7	-	-	67	333	V
			* 5.003639	46.7	RMS	33.8	-35.83	2.46	47.13	54	-6.87	-	-	67	333	V
			5.099112	60.91	Pk	34.2	-39.3	0	55.81	-	-	74	-18.19	67	130	H
			5.149362	49.07	RMS	34.2	-39.3	2.46	46.43	54	-7.57	-	-	67	130	H
			5.15	58.8	Pk	34.2	-39.3	0	53.7	-	-	74	-20.3	67	130	H
			5.15	47.36	RMS	34.2	-39.3	2.46	44.72	54	-9.28	-	-	67	130	H
			5.0505	61.18	Pk	34.1	-39.4	0	55.88	-	-	74	-18.12	2	216	V
			5.120279	48.98	RMS	34.2	-39.3	2.46	46.34	54	-7.66	-	-	2	216	V
			5.15	47.94	RMS	34.2	-39.3	2.46	45.3	54	-8.7	-	-	2	216	V
HDT2	5162	6	* 5.15	56.35	Pk	34.4	-37.6	0	53.15	-	-	74	-20.85	172	193	H
			* 5.146307	59.11	Pk	34.3	-37.7	0	55.71	-	-	74	-18.29	172	193	H
			* 5.15	45.93	RMS	34.4	-37.6	0.16	42.89	54	-11.11	-	-	172	193	H
			* 5.001944	47.54	RMS	34.1	-37.7	0.16	44.1	54	-9.9	-	-	172	193	H
			* 5.15	58.12	Pk	34.4	-37.6	0	54.92	-	-	74	-19.08	220	304	V
			* 5.115862	59.8	Pk	34.3	-37.8	0	56.3	-	-	74	-17.7	220	304	V
		16	* 5.15	45.64	RMS	34.4	-37.6	0.16	42.6	54	-11.4	-	-	220	304	V
			* 5.002889	47.52	RMS	34.1	-37.79	0.16	43.99	54	-10.01	-	-	220	304	V
			5.146501	60.82	Pk	34.2	-39.35	0	55.67	-	-	74	-18.33	254	101	H
			5.149862	48.95	RMS	34.2	-39.3	0.16	44.01	54	-9.99	-	-	254	100	H
			5.15	58.47	Pk	34.2	-39.3	0	53.37	-	-	74	-20.63	254	101	H
			5.15	48.35	RMS	34.2	-39.3	0.16	43.41	54	-10.59	-	-	254	100	H
			5.113251	60.44	Pk	34.2	-39.33	0	55.31	-	-	74	-18.69	125	147	V
			5.147862	48.67	RMS	34.2	-39.3	0.16	43.73	54	-10.27	-	-	125	147	V
			5.15	58.06	Pk	34.2	-39.3	0	52.96	-	-	74	-21.04	125	147	V
			5.15	47.93	RMS	34.2	-39.3	0.16	42.99	54	-11.01	-	-	125	147	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/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
HDR4	5162	6	* 5.15	38.92	Pk	34.1	-17.6	0	55.42	-	-	74	-18.58	314	103	H
			* 5.000594	41.21	Pk	34	-17.3	0	57.91	-	-	74	-16.09	314	103	H
			* 5.15	28.17	RMS	34.1	-17.6	1.08	45.75	54	-8.25	-	-	314	103	H
			* 5.005845	29.92	RMS	34	-17.3	1.08	47.7	54	-6.3	-	-	314	103	H
			* 5.15	38.45	Pk	34.1	-17.6	0	54.95	-	-	74	-19.05	63	101	V
			* 5.000625	41.71	Pk	34	-17.3	0	58.41	-	-	74	-15.59	63	101	V
			* 5.15	28.09	RMS	34.1	-17.6	1.08	45.67	54	-8.33	-	-	63	101	V
			* 5.009376	29.89	RMS	34	-17.2	1.08	47.77	54	-6.23	-	-	63	101	V
		16	* 5.15	53.03	Pk	34.5	-34.6	0	52.93	-	-	74	-21.07	184	124	H
			* 5.148206	55.28	Pk	34.5	-34.6	0	55.18	-	-	74	-18.82	184	124	H
			* 5.15	42.62	RMS	34.5	-34.6	1.08	43.6	54	-10.4	-	-	184	124	H
			* 5.1498	43.03	RMS	34.5	-34.5	1.08	44.11	54	-9.89	-	-	184	124	H
			* 5.15	51.87	Pk	34.5	-34.6	0	51.77	-	-	74	-22.23	73	195	V
			* 5.140737	54.42	Pk	34.4	-34.5	0	54.32	-	-	74	-19.68	73	195	V
			* 5.15	41.55	RMS	34.5	-34.6	1.08	42.53	54	-11.47	-	-	73	195	V
			* 5.03663	42.94	RMS	34.3	-34.8	1.08	43.52	54	-10.48	-	-	73	195	V
HDRPS2	5162	6	* 5.15	56.19	Pk	34	-35.43	0	54.76	-	-	74	-19.24	91	103	H
			* 5.122029	58.55	Pk	34	-35.5	0	57.05	-	-	74	-16.95	91	103	H
			* 5.15	45.37	RMS	34	-35.43	0.34	44.28	54	-9.72	-	-	91	103	H
			* 5.123418	46.34	RMS	34	-35.51	0.34	45.17	54	-8.83	-	-	91	103	H
			* 5.15	55.73	Pk	34	-35.43	0	54.3	-	-	74	-19.7	74	302	V
			* 5.015472	58.57	Pk	33.8	-35.57	0	56.8	-	-	74	-17.2	74	302	V
			* 5.15	45	RMS	34	-35.43	0.34	43.91	54	-10.09	-	-	74	302	V
			* 5.13939	46.28	RMS	34	-35.5	0.34	45.12	54	-8.88	-	-	74	302	V
		16	* 5.15	51.92	Pk	34.5	-34.6	0	51.82	-	-	74	-22.18	189	151	H
			* 5.091043	54.57	Pk	34.4	-34.7	0	54.27	-	-	74	-19.73	189	151	H
			* 5.15	41.49	RMS	34.5	-34.6	0.34	41.73	54	-12.27	-	-	189	151	H
			* 5.136392	42.75	RMS	34.4	-34.6	0.34	42.89	54	-11.11	-	-	189	151	H
			* 5.15	52.23	Pk	34.5	-34.6	0	52.13	-	-	74	-21.87	101	238	V
			* 5.108108	54.38	Pk	34.4	-34.7	0	54.08	-	-	74	-19.92	101	238	V
			* 5.15	41.54	RMS	34.5	-34.6	0.34	41.78	54	-12.22	-	-	101	238	V
			* 5.038224	42.85	RMS	34.3	-34.8	0.34	42.69	54	-11.31	-	-	101	238	V
HDR8	5162	6	* 5.15	38.83	Pk	34.1	-17.6	0	55.33	-	-	74	-18.67	8	396	H
			* 5.00872	41.15	Pk	34	-17.2	0	57.95	-	-	74	-16.05	8	396	H
			* 5.15	28.17	RMS	34.1	-17.6	1.08	45.75	54	-8.25	-	-	8	396	H
			* 5.008564	29.86	RMS	34	-17.2	1.08	47.74	54	-6.26	-	-	8	396	H
			* 5.15	39.25	Pk	34.1	-17.6	0	55.75	-	-	74	-18.25	71	399	V
			* 5.004094	41.75	Pk	34	-17.2	0	58.55	-	-	74	-15.45	71	399	V
			* 5.15	28.66	RMS	34.1	-17.6	1.08	46.24	54	-7.76	-	-	71	399	V
			* 5.005001	29.94	RMS	34	-17.2	1.08	47.82	54	-6.18	-	-	71	399	V
		16	5.149029	49.51	RMS	34.2	-39.3	1.08	45.49	54	-8.51	-	-	249	102	H
			5.149307	61.36	Pk	34.2	-39.3	0	56.26	-	-	74	-17.74	249	102	H
			5.15	59.47	Pk	34.2	-39.3	0	54.37	-	-	74	-19.63	249	102	H
			5.15	48.38	RMS	34.2	-39.3	1.08	44.36	54	-9.64	-	-	249	102	H
			5.105445	61.29	Pk	34.2	-39.4	0	56.09	-	-	74	-17.91	126	148	V
			5.132168	48.75	RMS	34.2	-39.3	1.08	44.73	54	-9.27	-	-	126	148	V
			5.15	58.33	Pk	34.2	-39.3	0	53.23	-	-	74	-20.77	126	148	V
			5.15	47.86	RMS	34.2	-39.3	1.08	43.84	54	-10.16	-	-	126	148	V
XHDPRL12	5164	6	5.15	64.8	Pk	34.3	-37.11	0	61.99	-	-	74	-12.01	274	117	H
			5.14989	65.79	Pk	34.3	-37.11	0	62.98	-	-	74	-11.02	274	117	H
			5.15	52.11	RMS	34.3	-37.11	0.5	49.8	54	-4.2	-	-	274	117	H
			5.149918	52.64	RMS	34.3	-37.11	0.5	50.33	54	-3.67	-	-	274	117	H
			5.15	57.24	Pk	34.3	-37.11	0	54.43	-	-	74	-19.57	238	171	V
			5.149751	58.79	Pk	34.3	-37.11	0	55.98	-	-	74	-18.02	238	171	V
			5.15	46.48	RMS	34.3	-37.11	0.5	44.17	54	-9.83	-	-	238	171	V
			5.149612	47.43	RMS	34.3	-37.11	0.5	45.12	54	-8.88	-	-	238	171	V
		16	5.15	62.24	Pk	34.3	-37.11	0	59.43	-	-	74	-14.57	98	109	H
			5.149973	61.25	Pk	34.3	-37.11	0	58.44	-	-	74	-15.56	98	109	H
			5.15	47.09	RMS	34.3	-37.11	0.5	44.78	54	-9.22	-	-	98	109	H
			5.149862	48.93	RMS	34.3	-37.11	0.5	46.62	54	-7.38	-	-	98	109	H
			5.15	56.16	Pk	34.3	-37.11	0	53.35	-	-	74	-20.65	334	128	V
			5.139223	58.82	Pk	34.3	-37.13	0	55.99	-	-	74	-18.01	334	128	V
			5.15	45.51	RMS	34.3	-37.11	0.5	43.2	54	-10.8	-	-	334	128	V
			5.142584	46.7	RMS	34.3	-37.12	0.5	44.38	54	-9.62	-	-	334	128	V

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

Pk - Peak detector

RMS - RMS detection

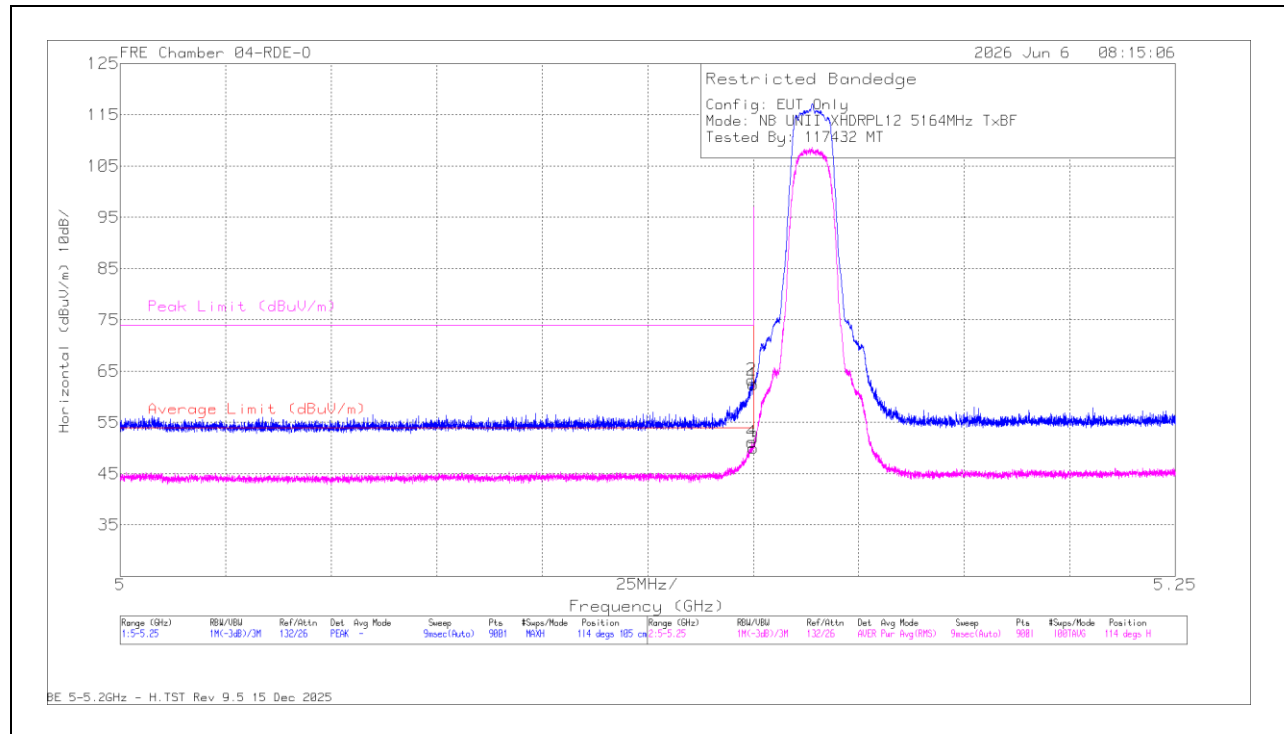
9.1.2. UNII-1 BAND MIMO TXBF MODE – BANDEDGE – HIGH POWER

UNII-1 (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/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
BDR	5162	6 + 16	* 5.15	42.72	Pk	34.4	-24.27	0	52.85	-	-	74	-21.15	274	139	H
			* 5.000611	46.89	Pk	34.3	-24.58	0	56.61	-	-	74	-17.39	274	139	H
			* 5.15	32.35	RMS	34.4	-24.27	1.15	43.63	54	-10.37	-	-	274	139	H
			* 5.0095	34.57	RMS	34.3	-24.6	1.15	45.42	54	-8.58	-	-	274	139	H
			* 5.15	44.29	Pk	34.4	-24.27	0	54.42	-	-	74	-19.58	317	224	V
			* 5.003278	46.64	Pk	34.3	-24.58	0	56.36	-	-	74	-17.64	317	224	V
			* 5.15	32.78	RMS	34.4	-24.27	1.15	44.06	54	-9.94	-	-	317	224	V
			* 5.0095	34.68	RMS	34.3	-24.6	1.15	45.53	54	-8.47	-	-	317	224	V
LE1M	5162	6 + 16	* 5.15	42.85	Pk	34.4	-24.27	0	52.98	-	-	74	-21.02	311	397	H
			* 5.001639	45.87	Pk	34.3	-24.57	0	55.6	-	-	74	-18.4	311	397	H
			* 5.15	32.46	RMS	34.4	-24.27	0.71	43.3	54	-10.7	-	-	311	397	H
			* 5.002889	34.45	RMS	34.3	-24.57	0.71	44.89	54	-9.11	-	-	311	397	H
			* 5.15	43.12	Pk	34.4	-24.27	0	53.25	-	-	74	-20.75	311	224	V
			* 5.001528	46.81	Pk	34.3	-24.57	0	56.54	-	-	74	-17.46	311	224	V
			* 5.15	32.88	RMS	34.4	-24.27	0.71	43.72	54	-10.28	-	-	311	224	V
			* 5.006861	34.65	RMS	34.3	-24.6	0.71	45.06	54	-8.94	-	-	311	224	V
LE2M	5162	6 + 16	* 5.15	43.85	Pk	34.4	-24.27	0	53.98	-	-	74	-20.02	313	395	H
			* 5.004417	46.17	Pk	34.3	-24.58	0	55.89	-	-	74	-18.11	313	395	H
			* 5.15	31.68	RMS	34.4	-24.27	2.46	44.27	54	-9.73	-	-	313	395	H
			* 5.00775	34.54	RMS	34.3	-24.6	2.46	46.7	54	-7.3	-	-	313	395	H
			* 5.15	43.23	Pk	34.4	-24.27	0	53.36	-	-	74	-20.64	94	238	V
			* 5.001972	46.26	Pk	34.3	-24.55	0	56.01	-	-	74	-17.99	94	238	V
			* 5.15	32.67	RMS	34.4	-24.27	2.46	45.26	54	-8.74	-	-	94	238	V
			* 5.006167	34.54	RMS	34.3	-24.59	2.46	46.71	54	-7.29	-	-	94	238	V
HDT2	5162	6 + 16	* 5.15	44.24	Pk	34.4	-24.27	0	54.37	-	-	74	-19.63	322	125	H
			* 5.003472	46.58	Pk	34.3	-24.58	0	56.3	-	-	74	-17.7	322	125	H
			* 5.15	33.53	RMS	34.4	-24.27	0.16	43.82	54	-10.18	-	-	322	125	H
			* 5.004028	34.42	RMS	34.3	-24.59	0.16	44.29	54	-9.71	-	-	322	125	H
			* 5.15	43.17	Pk	34.4	-24.27	0	53.3	-	-	74	-20.7	211	385	V
			* 5.003722	46.2	Pk	34.3	-24.58	0	55.92	-	-	74	-18.08	211	385	V
			* 5.15	32.51	RMS	34.4	-24.27	0.16	42.8	54	-11.2	-	-	211	385	V
			* 5.000889	34.53	RMS	34.3	-24.6	0.16	44.39	54	-9.61	-	-	211	385	V
HDR4	5162	6 + 16	5.15	57.46	Pk	34.4	-37.8	0	54.06	-	-	74	-19.94	320	114	H
			5.008917	60	Pk	34.3	-37.99	0	56.31	-	-	74	-17.69	320	114	H
			5.15	46.58	RMS	34.4	-37.8	1.08	44.26	54	-9.74	-	-	320	114	H
			5.139168	47.84	RMS	34.4	-38.2	1.08	45.12	54	-8.88	-	-	320	114	H
			5.15	57	Pk	34.4	-37.8	0	53.6	-	-	74	-20.4	47	381	V
			5.125279	59.97	Pk	34.4	-38.1	0	56.27	-	-	74	-17.73	47	381	V
			5.15	45.98	RMS	34.4	-37.8	1.08	43.66	54	-10.34	-	-	47	381	V
			5.008695	47.75	RMS	34.3	-37.97	1.08	45.16	54	-8.84	-	-	47	381	V
HDRPS2	5162	6 + 16	* 5.15	44.31	Pk	34.4	-24.27	0	54.44	-	-	74	-19.56	323	183	H
			* 5.13714	45.66	Pk	34.4	-24.26	0	55.8	-	-	74	-18.2	323	183	H
			* 5.15	33.03	RMS	34.4	-24.27	0.34	43.5	54	-10.5	-	-	323	183	H
			* 5.005361	34.42	RMS	34.3	-24.57	0.34	44.49	54	-9.51	-	-	323	183	H
			* 5.15	42.56	Pk	34.4	-24.27	0	52.69	-	-	74	-21.31	208	386	V
			* 5.003056	45.94	Pk	34.3	-24.57	0	55.67	-	-	74	-18.33	208	386	V
			* 5.15	32.55	RMS	34.4	-24.27	0.34	43.02	54	-10.98	-	-	208	386	V
			* 5.002833	34.37	RMS	34.3	-24.57	0.34	44.44	54	-9.56	-	-	208	386	V
HDRPM12	5162	6 + 16	* 5.15	57.33	Pk	34	-35.43	0	55.9	-	-	74	-18.1	31	112	H
			* 5.148835	59.13	Pk	34	-35.44	0	57.69	-	-	74	-16.31	31	112	H
			* 5.15	45.79	RMS	34	-35.43	0.29	44.65	54	-9.35	-	-	31	112	H
			* 5.149057	46.7	RMS	34	-35.44	0.29	45.55	54	-8.45	-	-	31	112	H
			* 5.15	55.74	Pk	34	-35.43	0	54.31	-	-	74	-19.69	81	269	V
			* 5.14664	58.61	Pk	34	-35.45	0	57.16	-	-	74	-16.84	81	269	V
			* 5.15	45.52	RMS	34	-35.43	0.29	44.38	54	-9.62	-	-	81	269	V
			* 5.006722	46.69	RMS	33.8	-35.76	0.29	45.02	54	-8.98	-	-	81	269	V
XHDRPL12	5164	6 + 16	* 5.15	63.89	Pk	34	-35.43	0	62.46	-	-	74	-11.54	114	105	H
			* 5.149612	64.72	Pk	34	-35.43	0	63.29	-	-	74	-10.71	114	105	H
			* 5.15	50.97	RMS	34	-35.43	0.5	50.04	54	-3.96	-	-	114	105	H
			* 5.149668	52.11	RMS	34	-35.43	0.5	51.18	54	-2.82	-	-	114	105	H
			* 5.15	57.27	Pk	34	-35.43	0	55.84	-	-	74	-18.16	74	273	V
			* 5.143946	58.46	Pk	34	-35.45	0	57.01	-	-	74	-16.99	74	273	V
			* 5.15	46.37	RMS	34	-35.43	0.5	45.44	54	-8.56	-	-	74	273	V
			* 5.149946	46.61	RMS	34	-35.43	0.5	45.68	54	-8.32	-	-	74	273	V

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

Pk - Peak detector

RMS - RMS detection

WORST-CASE LOW BANDEDGE**MIMO TXBF – XHDRPL12 Mode - High Power – 5164 MHz****HORIZONTAL RESULT****Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200896 ACF (dB/m)	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	63.89	Pk	34	0	-35.43	62.46	-	-	74	-11.54	114	105	H
2	* 5.149612	64.72	Pk	34	0	-35.43	63.29	-	-	74	-10.71	114	105	H
3	* 5.15	50.97	RMS	34	.5	-35.43	50.04	54	-3.96	-	-	114	105	H
4	* 5.149668	52.11	RMS	34	.5	-35.43	51.18	54	-2.82	-	-	114	105	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 + 16	* 1.250672	61.6	PK-U	28.9	-49.9	0	40.6	-	-	74	-33.4	360	200	V
			* 1.252179	50.09	ADR	29	-49.9	1.15	30.34	54	-23.66	-	-	360	200	V
			* 1.253432	50.26	ADR	29	-49.88	1.15	30.53	54	-23.47	-	-	360	200	H
			* 1.254246	61.67	PK-U	29	-49.89	0	40.78	-	-	74	-33.22	360	200	H
			* 1.1642515	42.77	ADR	38.3	-43.68	1.15	38.54	54	-15.46	-	-	360	200	H
			* 1.164411	54.72	PK-U	38.3	-43.69	0	49.33	-	-	74	-24.67	360	200	H
			* 1.1662887	42.76	ADR	38.4	-43.74	1.15	38.57	54	-15.43	-	-	360	200	V
			* 1.1670647	54.87	PK-U	38.4	-43.71	0	49.56	-	-	74	-24.44	360	200	V
			* 3.817868	45.24	ADR	33.4	-46.57	1.15	33.22	54	-20.78	-	-	360	200	H
			* 3.824375	57.11	PK-U	33.4	-46.66	0	43.85	-	-	74	-30.15	360	200	H
			* 3.824508	45.09	ADR	33.4	-46.67	1.15	32.97	54	-21.03	-	-	360	200	V
			* 3.825888	57.09	PK-U	33.4	-46.68	0	43.81	-	-	74	-30.19	360	200	V
	5203	6 + 16	* 1.250359	61.94	PK-U	28.9	-49.9	0	40.94	-	-	74	-33.06	360	101	V
			* 1.253605	62	PK-U	29	-49.89	0	41.11	-	-	74	-32.89	360	101	H
			* 1.254319	50.21	ADR	29	-49.89	1.15	30.47	54	-23.53	-	-	360	101	V
			* 1.254465	50.11	ADR	29	-49.89	1.15	30.37	54	-23.63	-	-	360	101	H
			* 1.1443667	54.23	PK-U	38	-43.24	0	48.99	-	-	74	-25.01	360	101	V
			* 1.1447488	53.74	PK-U	38	-43.19	0	48.55	-	-	74	-25.45	360	101	H
			* 1.1455914	42.08	ADR	38	-43.17	1.15	38.06	54	-15.94	-	-	360	101	H
			* 1.1456387	42.01	ADR	38	-43.16	1.15	38	54	-16	-	-	360	101	V
			* 3.867849	44.93	ADR	33.4	-46.29	1.15	33.19	54	-20.81	-	-	360	101	H
			* 3.872436	45.03	ADR	33.4	-46.23	1.15	33.35	54	-20.65	-	-	360	101	V
			* 3.876876	56.4	PK-U	33.4	-46.05	0	43.75	-	-	74	-30.25	360	101	H
			* 3.886069	56.24	PK-U	33.4	-46.04	0	43.6	-	-	74	-30.4	360	101	V
	5245	6 + 16	* 1.250939	61.48	PK-U	28.9	-49.89	0	40.49	-	-	74	-33.51	360	101	V
			* 1.250945	49.96	ADR	28.9	-49.89	1.15	30.12	54	-23.88	-	-	360	101	H
			* 1.252259	61.68	PK-U	29	-49.9	0	40.78	-	-	74	-33.22	360	101	H
			* 1.254352	49.96	ADR	29	-49.89	1.15	30.22	54	-23.78	-	-	360	101	V
			* 1.1392088	53.52	PK-U	38	-43.14	0	48.38	-	-	74	-25.62	360	101	H
			* 1.1410339	53.44	PK-U	38	-43.2	0	48.24	-	-	74	-25.76	360	101	V
			* 1.1416823	41.84	ADR	38	-43.22	1.15	37.77	54	-16.23	-	-	360	101	V
			* 1.1422368	41.75	ADR	38	-43.41	1.15	37.49	54	-16.51	-	-	360	101	H
			* 3.769112	44.58	ADR	33.3	-46.57	1.15	32.46	54	-21.54	-	-	360	101	H
			* 3.770386	44.55	ADR	33.3	-46.54	1.15	32.46	54	-21.54	-	-	360	101	V
			* 3.776079	56.23	PK-U	33.3	-46.48	0	43.05	-	-	74	-30.95	360	101	H
			* 3.783086	56.56	PK-U	33.3	-46.52	0	43.34	-	-	74	-30.66	360	101	V
LE1M	5162	6 + 16	* 11.054048	52.5	PK-U	37.6	-39.27	0	50.83	-	-	74	-23.17	360	101	H
			* 11.052511	39.76	ADR	37.6	-39.27	0.71	38.8	54	-15.2	-	-	360	101	H
			* 11.063717	52.15	PK-U	37.5	-39.2	0	50.45	-	-	74	-23.55	360	101	V
			* 11.047877	39.69	ADR	37.5	-39.3	0.71	38.6	54	-15.4	-	-	360	101	V
			1.901492	55.94	PK-U	31.8	-44.32	0	43.42	-	-	68.2	-24.78	360	199	V
			1.902346	55.79	PK-U	31.8	-44.32	0	43.27	-	-	68.2	-24.93	360	101	H
			17.285287	50.37	PK-U	41.6	-36.13	0	55.84	-	-	68.2	-12.36	360	200	H
			17.298128	50.41	PK-U	41.6	-35.99	0	56.02	-	-	68.2	-12.18	360	200	V
			* 11.989606	51.27	PK-U	39.5	-38.62	0	52.15	-	-	74	-21.85	14	200	H
			* 12.008313	39.41	ADR	39.5	-38.66	0.71	40.96	54	-13.04	-	-	14	200	H
			* 12.011076	51.02	PK-U	39.5	-38.67	0	51.85	-	-	74	-22.15	14	200	V
			* 12.016881	39.21	ADR	39.5	-38.73	0.71	40.69	54	-13.31	-	-	14	200	V
	5203	6 + 16	* 15.766923	51.39	PK-U	40.7	-37.15	0	54.94	-	-	74	-19.06	14	200	H
			* 15.78239	39.29	ADR	40.7	-37.25	0.71	43.45	54	-10.55	-	-	14	200	H
			* 15.788802	50.96	PK-U	40.7	-37.24	0	54.42	-	-	74	-19.58	14	200	V
			* 15.78994	39.3	ADR	40.7	-37.26	0.71	43.45	54	-10.55	-	-	14	200	V
			* 2.210725	54.95	PK-U	31.7	-43.99	0	42.66	-	-	74	-31.34	14	200	V
			* 2.221219	54.9	PK-U	31.6	-43.96	0	42.54	-	-	74	-31.46	14	101	H
			2.195739	43.25	ADR	31.7	-44.11	0.71	31.55	-	-	-	-	14	101	H
			2.197092	44.05	ADR	31.7	-44.1	0.71	32.36	-	-	-	-	14	200	V
	5245	6 + 16	* 15.733952	58.09	PK-U	40.4	-43.08	0	55.41	-	-	74	-18.59	17	116	H
			* 15.735382	48.22	ADR	40.4	-43.06	0.71	46.27	54	-7.73	-	-	17	116	H
			* 15.734994	57.1	PK-U	40.4	-43.03	0	54.47	-	-	74	-19.53	53	202	V
			* 15.734458	45.56	ADR	40.4	-43.06	0.71	43.61	54	-10.39	-	-	53	202	V
			2.604993	43.13	PK-U	32.5	-26.16	0	49.47	-	-	68.2	-18.73	0	100	H
			2.607306	43.34	PK-U	32.5	-26.12	0	49.72	-	-	68.2	-18.48	0	201	V
			10.48967	58.23	PK-U	37.6	-45.35	0	50.48	-	-	68.2	-17.72	78	101	H
			10.490313	58.24	PK-U	37.6	-45.37	0	50.47	-	-	68.2	-17.73	314	119	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/ 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
LE2M	5162	6 + 16	* 1.252765	50	ADR	29	-49.89	2.46	31.57	54	-22.43	-	-	360	101	V
			* 1.253125	50.26	ADR	29	-49.88	2.46	31.84	54	-22.16	-	-	360	101	H
			* 1.255512	61.86	PK-U	29	-49.88	0	40.98	-	-	74	-33.02	360	101	H
			* 1.257165	61.96	PK-U	29	-49.89	0	41.07	-	-	74	-32.93	360	101	V
			* 1.132338	41	ADR	37.9	-43.24	2.46	38.12	54	-15.88	-	-	360	101	H
			* 1.1329827	40.9	ADR	37.9	-43.08	2.46	38.18	54	-15.82	-	-	360	101	V
			* 1.1349767	52.99	PK-U	37.9	-43.06	0	47.83	-	-	74	-26.17	360	101	H
			* 1.1358875	52.88	PK-U	37.9	-43.16	0	47.62	-	-	74	-26.38	360	101	V
			* 3.881132	44.52	ADR	33.4	-45.99	2.46	34.39	54	-19.61	-	-	360	101	H
			* 3.882199	44.53	ADR	33.4	-46	2.46	34.39	54	-19.61	-	-	360	101	V
			* 3.913219	56.24	PK-U	33.4	-46.18	0	43.46	-	-	74	-30.54	360	101	H
			* 3.918419	56.58	PK-U	33.4	-46.2	0	43.78	-	-	74	-30.22	360	101	V
			* 1.252372	63.3	PK-U	29	-49.9	0	42.4	-	-	74	-31.6	360	101	H
			* 1.255379	50.01	ADR	29	-49.88	2.46	31.59	54	-22.41	-	-	360	101	V
			* 1.255819	61.84	PK-U	29	-49.88	0	40.96	-	-	74	-33.04	360	101	V
	5203	6 + 16	* 1.257432	50.27	ADR	29	-49.9	2.46	31.83	54	-22.17	-	-	360	101	H
			* 1.1866593	54.56	PK-U	38.6	-44.14	0	49.02	-	-	74	-24.98	360	101	V
			* 1.1869431	53.83	PK-U	38.6	-44.11	0	48.32	-	-	74	-25.68	360	101	H
			* 1.1872838	42.54	ADR	38.7	-44.11	2.46	39.59	54	-14.41	-	-	360	101	V
			* 1.1875866	42.22	ADR	38.7	-44.05	2.46	39.33	54	-14.67	-	-	360	101	H
			* 3.812107	45.04	ADR	33.3	-46.66	2.46	34.14	54	-19.86	-	-	360	101	H
			* 3.820953	56.89	PK-U	33.4	-46.6	0	43.69	-	-	74	-30.31	360	101	H
			* 3.821507	56.88	PK-U	33.4	-46.61	0	43.67	-	-	74	-30.33	360	200	V
			* 3.821667	44.89	ADR	33.4	-46.61	2.46	34.14	54	-19.86	-	-	360	200	V
			* 1.252226	49.93	ADR	29	-49.9	2.46	31.49	54	-22.51	-	-	360	101	H
			* 1.252552	49.96	ADR	29	-49.89	2.46	31.53	54	-22.47	-	-	360	101	V
			* 1.253066	62.2	PK-U	29	-49.88	0	41.32	-	-	74	-32.68	360	101	H
			* 1.255445	61.75	PK-U	29	-49.88	0	40.87	-	-	74	-33.13	360	101	V
			* 1.1542018	54.03	PK-U	38.2	-43.48	0	48.75	-	-	74	-25.25	360	199	V
			* 1.1545854	41.97	ADR	38.2	-43.49	2.46	39.14	54	-14.86	-	-	360	199	V
	5245	6 + 16	* 1.1560199	42.27	ADR	38.2	-43.05	2.46	39.88	54	-14.12	-	-	360	101	H
			* 1.158163	54.42	PK-U	38.2	-43.14	0	49.48	-	-	74	-24.52	360	101	H
			* 3.867233	56.58	PK-U	33.4	-46.26	0	43.72	-	-	74	-30.28	360	200	V
			* 3.868826	44.59	ADR	33.4	-46.32	2.46	34.13	54	-19.87	-	-	360	200	V
			* 3.870199	44.67	ADR	33.4	-46.3	2.46	34.23	54	-19.77	-	-	360	101	H
			* 3.871879	56.97	PK-U	33.4	-46.25	0	44.12	-	-	74	-29.88	360	101	H
			* 1.250386	62.23	PK-U	28.9	-49.9	0	41.23	-	-	74	-32.77	0	200	V
			* 1.251059	50.05	ADR	28.9	-49.89	0.16	29.22	54	-24.78	-	-	0	200	V
			* 1.253779	50.1	ADR	29	-49.89	0.16	29.37	54	-24.63	-	-	0	101	H
			* 1.255072	61.76	PK-U	29	-49.88	0	40.88	-	-	74	-33.12	0	101	H
			* 1.114103	53.77	PK-U	37.7	-42.93	0	48.54	-	-	74	-25.46	0	200	V
			* 1.143792	41.93	ADR	37.7	-43.25	0.16	36.54	54	-17.46	-	-	0	200	V
			* 1.144849	41.97	ADR	37.7	-43.26	0.16	36.57	54	-17.43	-	-	0	101	H
			* 1.14948	53.81	PK-U	37.7	-43.3	0	48.21	-	-	74	-25.79	0	101	H
			* 3.856514	44.77	ADR	33.4	-46.47	0.16	31.86	54	-22.14	-	-	0	200	H
HDT2	5162	6 + 16	* 3.85998	56.61	PK-U	33.4	-46.27	0	43.74	-	-	74	-30.26	0	200	V
			* 3.869661	56.84	PK-U	33.4	-46.31	0	43.93	-	-	74	-30.07	0	200	H
			* 3.87106	44.86	ADR	33.4	-46.28	0.16	32.14	54	-21.86	-	-	0	200	V
			* 1.250685	50.04	ADR	28.9	-49.9	0.16	29.2	54	-24.8	-	-	0	101	H
			* 1.252844	49.96	ADR	29	-49.88	0.16	29.24	54	-24.76	-	-	0	101	V
			* 1.253471	61.3	PK-U	29	-49.88	0	40.42	-	-	74	-33.58	0	101	V
			* 1.253558	62.62	PK-U	29	-49.89	0	41.73	-	-	74	-32.27	0	101	H
			* 1.1249089	54.02	PK-U	37.8	-43.21	0	48.61	-	-	74	-25.39	0	101	V
			* 1.1257239	42.16	ADR	37.8	-43.31	0.16	36.81	54	-17.19	-	-	0	101	H
			* 1.1266965	42.1	ADR	37.8	-43.31	0.16	36.75	54	-17.25	-	-	0	101	V
			* 1.1268799	53.56	PK-U	37.8	-43.3	0	48.06	-	-	74	-25.94	0	101	H
			* 3.82803	44.7	ADR	33.4	-46.67	0.16	31.59	54	-22.41	-	-	0	101	V
			* 3.843136	56.5	PK-U	33.4	-46.56	0	43.34	-	-	74	-30.66	0	101	V
			* 3.861077	56.97	PK-U	33.4	-46.24	0	44.13	-	-	74	-29.87	0	101	H
			* 3.86905	44.57	ADR	33.4	-46.32	0.16	31.81	54	-22.19	-	-	0	101	H
	5203	6 + 16	* 1.250834	50.07	ADR	28.9	-49.89	0.16	29.24	54	-24.76	-	-	2	101	V
			* 1.2521	61.7	PK-U	29	-49.91	0	40.79	-	-	74	-33.21	2	101	H
			* 1.252574	61.84	PK-U	29	-49.89	0	40.95	-	-	74	-33.05	2	101	V
			* 1.25746	49.91	ADR	29	-49.9	0.16	29.17	54	-24.83	-	-	2	101	H
			* 1.1497994	42.2	ADR	38.1	-43.22	0.16	37.24	54	-16.76	-	-	2	101	H
			* 1.1515078	54.3	PK-U	38.1	-43.05	0	49.35	-	-	74	-24.65	2	101	H
			* 1.1515301	53.85	PK-U	38.1	-43.05	0	48.9	-	-	74	-25.1	2	101	V
			* 1.1539501	42.31	ADR	38.2	-43.47	0.16	37.2	54	-16.8	-	-	2	101	V
			* 3.811215	44.84	ADR	33.3	-46.65	0.16	31.65	54	-22.35	-	-	2	101	H
			* 3.812515	56.37	PK-U	33.4	-46.65	0	43.12	-	-	74	-30.88	2	101	H
			* 3.815408	56.87	PK-U	33.4	-46.59	0	43.68	-	-	74	-30.32	2	101	V
			* 3.815935	45.17	ADR	33.4	-46.57	0.16	32.16	54	-21.84	-	-	2	101	V
	5245	6 + 16	* 1.252765	50	ADR	29	-49.89	2.46	31.57	54	-22.43	-	-	360	101	V
			* 1.253125	50.26	ADR	29	-49.88	2.46	31.84	54	-22.16	-	-	360	101	H
			* 1.255512	61.86	PK-U	29	-49.88	0	40.98	-	-	74	-33.02	360	101	H
			* 1.257165	61.96	PK-U	29	-49.89	0	41.07	-	-	74	-32.93	360	101	V
			* 1.132338	41	ADR	37.9	-43.24	2.46	38.12	54	-15.88	-	-	360	101	H
			* 1.1329827	40.9	ADR	37.9	-43.08	2.46	38.18	54	-15.82	-	-	360	101	V
			* 1.1349767	52.99	PK-U	37.9	-43.06	0	47.83	-	-	74	-26.17	360	101	H
			* 1.1358875	52.88	PK-U	37.9	-43.16	0	47.62	-	-	74	-26.38	360	101	V
			* 3.881132	44.52	ADR	33.4	-45.99	2.46	34.39	54	-19.61	-	-	360	101	H
			* 3.882199	44.53	ADR	33.4	-46	2.46	34.39	54	-19.61	-	-	360	101	V
			* 3.913219	56.24	PK-U	33.4	-46.18	0	43.46	-	-	74	-30.54	360	101	H

UNII-1 (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
HDRPS2	5162	6 + 16	* 1.247619	62.07	PK-U	28.9	-49.89	0	41.08	-	-	74	-32.92	246	200	H
			* 1.251759	50.17	ADR	29	-49.91	0.34	29.6	54	-24.4	-	-	246	200	H
			* 1.252359	50.19	ADR	29	-49.9	0.34	29.63	54	-24.37	-	-	246	200	V
			* 1.252473	62.02	PK-U	29	-49.9	0	41.12	-	-	74	-32.88	246	200	V
			* 11.567976	42.56	ADR	38.2	-42.89	0.34	38.21	54	-15.79	-	-	246	200	V
			* 11.574402	54.78	PK-U	38.2	-42.97	0	50.01	-	-	74	-23.99	246	200	V
			* 11.576759	54.21	PK-U	38.2	-43.02	0	49.39	-	-	74	-24.61	246	101	H
			* 11.600319	42.63	ADR	38.2	-43.61	0.34	37.56	54	-16.44	-	-	246	101	H
			* 4.026639	56.66	PK-U	33.4	-46.48	0	43.58	-	-	74	-30.42	246	200	V
			* 4.032512	45.26	ADR	33.4	-46.6	0.34	32.4	54	-21.6	-	-	246	101	H
			* 4.034393	45.25	ADR	33.4	-46.6	0.34	32.39	54	-21.61	-	-	246	200	V
			* 4.035845	57.71	PK-U	33.4	-46.57	0	44.54	-	-	74	-29.46	246	101	H
	5203	6 + 16	* 1.200704	50.19	ADR	28.5	-49.97	0.34	29.06	54	-24.94	-	-	0	101	V
			* 1.201983	50.29	ADR	28.5	-49.97	0.34	29.16	54	-24.84	-	-	0	101	H
			* 1.202477	61.95	PK-U	28.5	-49.98	0	40.47	-	-	74	-33.53	0	101	H
			* 1.203137	61.94	PK-U	28.5	-49.99	0	40.45	-	-	74	-33.55	0	101	V
			* 11.445702	54.3	PK-U	38	-43.19	0	49.11	-	-	74	-24.89	0	101	V
			* 11.470065	53.92	PK-U	38.1	-43.36	0	48.66	-	-	74	-25.34	0	101	H
			* 11.478691	42.28	ADR	38.1	-43.46	0.34	37.26	54	-16.74	-	-	0	101	H
			* 11.481635	42.34	ADR	38.1	-43.5	0.34	37.28	54	-16.72	-	-	0	101	V
			* 3.855574	45.08	ADR	33.4	-46.48	0.34	32.34	54	-21.66	-	-	0	199	H
			* 3.85708	56.56	PK-U	33.4	-46.46	0	43.5	-	-	74	-30.5	0	101	V
			* 3.870293	45.09	ADR	33.4	-46.29	0.34	32.54	54	-21.46	-	-	0	101	V
			* 3.87152	56.72	PK-U	33.4	-46.26	0	43.86	-	-	74	-30.14	0	199	H
	5245	6 + 16	* 1.140195	62.55	PK-U	27.8	-50.09	0	40.26	-	-	74	-33.74	360	101	H
			* 1.146408	50.4	ADR	27.8	-50.12	0.34	28.42	54	-25.58	-	-	360	200	V
			* 1.149022	50.42	ADR	27.8	-50.11	0.34	28.45	54	-25.55	-	-	360	101	H
			* 1.150655	62.21	PK-U	27.9	-50.09	0	40.02	-	-	74	-33.98	360	200	V
			* 11.291609	42.09	ADR	37.9	-43.24	0.34	37.09	54	-16.91	-	-	360	101	V
			* 11.304738	53.6	PK-U	37.9	-43.38	0	48.12	-	-	74	-25.88	360	101	V
			* 11.312143	41.92	ADR	37.9	-43.38	0.34	36.78	54	-17.22	-	-	360	199	H
			* 11.321486	53.57	PK-U	37.9	-43.26	0	48.21	-	-	74	-25.79	360	199	H
			* 3.973687	56.45	PK-U	33.5	-46.46	0	43.49	-	-	74	-30.51	360	200	H
			* 3.979319	44.72	ADR	33.5	-46.42	0.34	32.14	54	-21.86	-	-	360	101	V
			* 3.988373	56.65	PK-U	33.5	-46.47	0	43.68	-	-	74	-30.32	360	101	V
			* 3.990933	44.95	ADR	33.5	-46.44	0.34	32.35	54	-21.65	-	-	360	200	H
HDR4	5162	6 + 16	* 15.49217	56.88	PK-U	40.1	-43.29	0	53.69	-	-	74	-20.31	360	100	H
			* 15.486476	44.07	ADR	40.1	-43.2	1.08	42.05	54	-11.95	-	-	360	100	H
			* 15.48532	55.85	PK-U	40.1	-43.21	0	52.74	-	-	74	-21.26	360	200	V
			* 15.485849	44.66	ADR	40.1	-43.18	1.08	42.66	54	-11.34	-	-	360	200	V
			2.563034	42.92	PK-U	32.4	-26.26	0	49.06	-	-	68.2	-19.14	360	100	H
			2.576	42.79	PK-U	32.5	-26.25	0	49.04	-	-	68.2	-19.16	360	201	V
			10.323094	58.22	PK-U	37.8	-45.51	0	50.51	-	-	68.2	-17.69	360	201	V
			10.33251	57.05	PK-U	37.8	-45.62	0	49.23	-	-	68.2	-18.97	360	100	H
			2.604572	60.49	PK-U	32.4	-48.7	0	44.19	-	-	68.2	-24.01	0	101	H
			2.584052	60.07	PK-U	32.4	-48.8	0	43.67	-	-	68.2	-24.53	0	101	V
			10.406106	56.34	PK-U	37.8	-44.8	0	49.34	-	-	68.2	-18.86	0	200	H
			* 15.58076	53.11	PK-U	41.1	-40.8	0	53.41	-	-	74	-20.59	0	200	H
	5203	6 + 16	* 15.582093	41.74	ADR	41.1	-40.8	1.08	43.12	54	-10.88	-	-	0	200	H
			10.424919	56.23	PK-U	37.8	-44.9	0	49.13	-	-	68.2	-19.07	0	101	V
			* 15.587537	53.33	PK-U	41.1	-40.75	0	53.68	-	-	74	-20.32	0	200	V
			* 15.585208	41.37	ADR	41.1	-40.8	1.08	42.75	54	-11.25	-	-	0	200	V
			2.607016	60.3	PK-U	32.4	-48.7	0	44	-	-	-	-24.2	1	101	H
			2.598697	60.32	PK-U	32.4	-48.8	0	43.92	-	-	-	-24.28	1	200	V
			10.482986	56.2	PK-U	37.8	-44.9	0	49.1	-	-	-	-19.1	1	200	H
			* 15.736224	53.99	PK-U	41.2	-41.2	0	53.99	-	-	74	-20.01	1	200	H
			* 15.742877	42.41	ADR	41.2	-41.1	1.08	43.59	54	-10.41	-	-	1	200	H
			10.504034	56.63	PK-U	37.8	-44.9	0	49.53	-	-	-	-18.67	1	200	V
			* 15.764283	53.88	PK-U	41.2	-41.2	0	53.88	-	-	74	-20.12	1	200	V
			* 15.76087	42.19	ADR	41.2	-41.1	1.08	43.37	54	-10.63	-	-	1	200	V

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

PK-U - U-NII: Maximum Peak

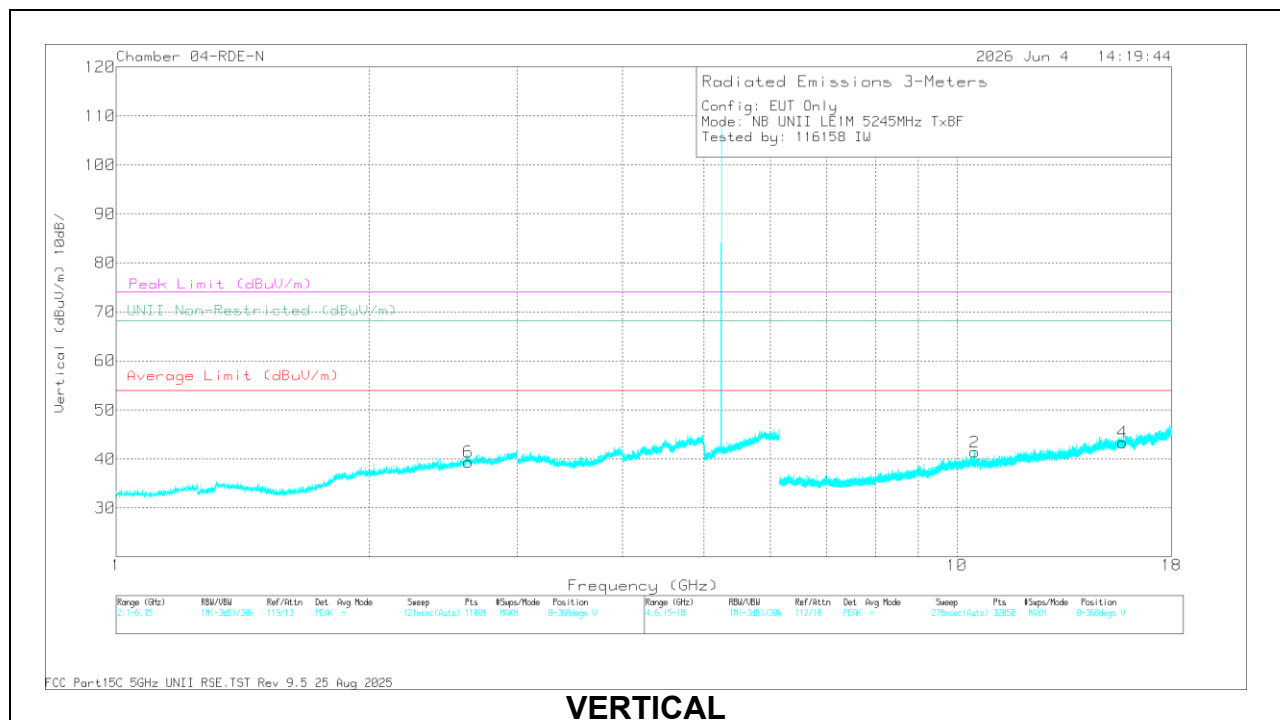
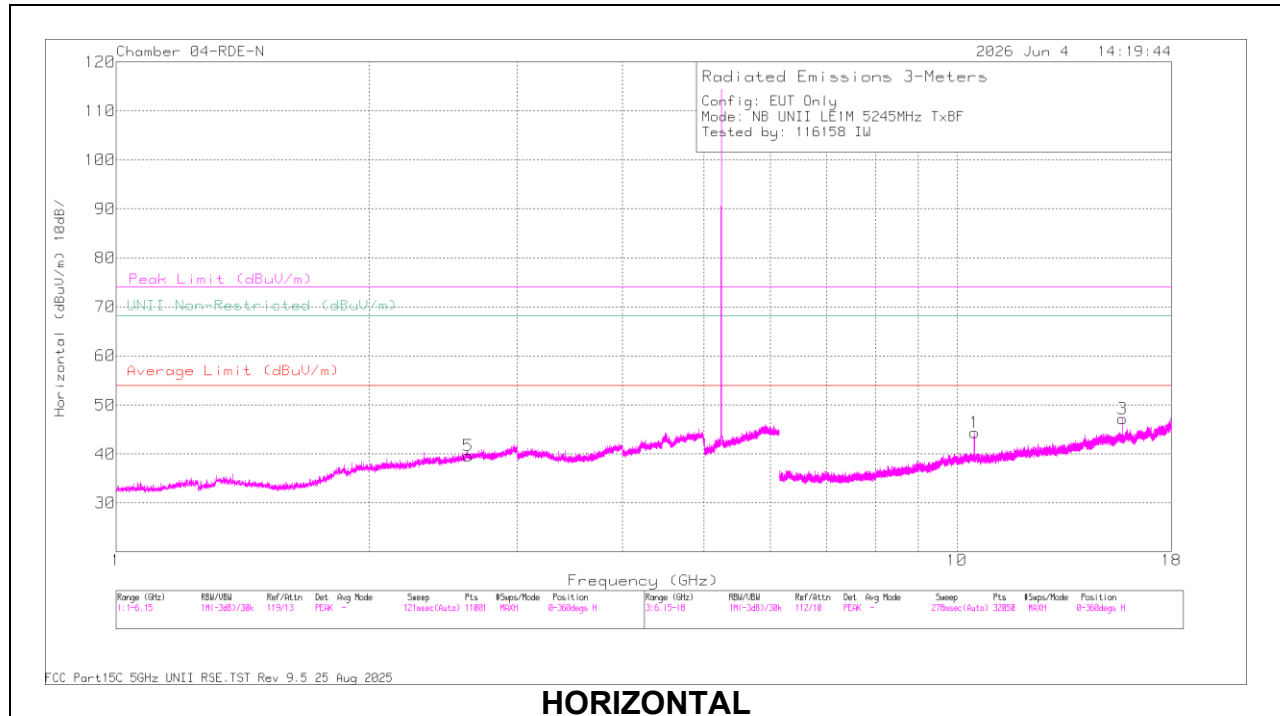
ADR - U-NII AD primary method, RMS average

UNII-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ 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
HDRPM12	5162	6 + 16	* 15.480232	55.95	PK-U	40.1	-43.13	0	52.92	-	-	74	-21.08	360	100	H
			* 15.485888	44.07	ADR	40.1	-43.18	0.29	41.28	54	-12.72	-	-	360	100	H
			* 15.466855	55.97	PK-U	40.1	-43.12	0	52.95	-	-	74	-21.05	360	100	V
			* 15.498074	44.07	ADR	40.1	-43.29	0.29	41.17	54	-12.83	-	-	360	100	V
			2.578708	42.94	PK-U	32.5	-26.24	0	49.2	-	-	68.2	-19	360	201	V
			2.592463	43.61	PK-U	32.5	-26.21	0	49.9	-	-	68.2	-18.3	360	100	H
			10.323762	57.16	PK-U	37.8	-45.56	0	49.4	-	-	68.2	-18.8	360	100	V
			10.35817	57.2	PK-U	37.8	-45.64	0	49.36	-	-	68.2	-18.84	360	100	H
			* 9.38713	56.31	PK-U	36.4	-44.7	0	48.01	-	-	74	-25.99	0	200	H
			* 9.387077	44.68	ADR	36.4	-44.7	0.29	36.67	54	-17.33	-	-	0	200	H
	5203	6 + 16	* 11.567031	55.01	PK-U	38.3	-43.4	0	49.91	-	-	74	-24.09	0	101	H
			* 11.585969	43.56	ADR	38.3	-43.5	0.29	38.65	54	-15.35	-	-	0	101	H
			16.916745	54.63	PK-U	41.2	-40.9	0	54.93	-	-	68.2	-13.27	0	101	H
			* 9.378025	56.25	PK-U	36.4	-44.7	0	47.95	-	-	74	-26.05	0	200	V
			* 9.390203	44.69	ADR	36.4	-44.78	0.29	36.6	54	-17.4	-	-	0	200	V
			* 11.58438	55.04	PK-U	38.3	-43.5	0	49.84	-	-	74	-24.16	0	200	V
			* 11.585753	43.67	ADR	38.3	-43.5	0.29	38.76	54	-15.24	-	-	0	200	V
			16.931203	54.48	PK-U	41.2	-41	0	54.68	-	-	68.2	-13.52	0	101	V
			* 8.250088	56.59	PK-U	36.1	-44.9	0	47.79	-	-	74	-26.21	0	200	H
			* 8.222621	44.13	ADR	36.1	-44.9	0.29	35.62	54	-18.38	-	-	0	200	H
	5245	6 + 16	* 11.232304	56.15	PK-U	37.7	-44.27	0	49.58	-	-	74	-24.42	0	200	H
			* 11.237318	44.14	ADR	37.7	-44.2	0.29	37.93	54	-16.07	-	-	0	200	H
			16.813193	54.63	PK-U	41.1	-40.9	0	54.83	-	-	68.2	-13.37	0	101	H
			* 8.231802	56.21	PK-U	36.1	-44.9	0	47.41	-	-	74	-26.59	0	200	V
			* 8.235499	44.24	ADR	36.1	-44.8	0.29	35.83	54	-18.17	-	-	0	200	V
			* 11.230233	56.08	PK-U	37.7	-44.2	0	49.58	-	-	74	-24.42	0	200	V
			* 11.228376	43.97	ADR	37.7	-44.2	0.29	37.76	54	-16.24	-	-	0	200	V
			16.857901	54.84	PK-U	41.2	-40.8	0	55.24	-	-	68.2	-12.96	0	101	V
	XHDPRL12	5164	* 11.305766	40.55	ADR	37.9	-39.94	0.5	39.01	54	-14.99	-	-	0	201	V
			* 11.316682	52.56	PK-U	37.9	-39.75	0	50.71	-	-	74	-23.29	0	201	V
			* 11.324504	52.14	PK-U	37.9	-40.01	0	50.03	-	-	74	-23.97	0	100	H
			* 11.345446	40.69	ADR	37.9	-39.82	0.5	39.27	54	-14.73	-	-	0	100	H
			* 17.784285	52.37	PK-U	41.4	-38.07	0	55.7	-	-	74	-18.3	0	100	H
			* 17.784368	51.94	PK-U	41.4	-38.07	0	55.27	-	-	74	-18.73	0	200	V
			* 17.785147	40.73	ADR	41.4	-38.05	0.5	44.58	54	-9.42	-	-	0	100	H
			* 17.789657	40.3	ADR	41.4	-37.68	0.5	44.52	54	-9.48	-	-	0	200	V
			* 2.737681	57.43	PK-U	32.2	-46.13	0	43.5	-	-	74	-30.5	0	100	H
			* 2.738968	57.42	PK-U	32.2	-46.15	0	43.47	-	-	74	-30.53	0	201	V
		5203	* 2.741328	45.46	ADR	32.2	-46.14	0.5	32.02	54	-21.98	-	-	0	100	H
			* 2.746788	45.49	ADR	32.2	-46.06	0.5	32.13	54	-21.87	-	-	0	201	V
			2.602249	60.27	PK-U	32.4	-48.8	0	43.87	-	-	68.2	-24.33	360	200	H
			2.605624	60.38	PK-U	32.4	-48.7	0	44.08	-	-	68.2	-24.12	360	200	V
			10.425373	56.52	PK-U	37.8	-44.86	0	49.46	-	-	68.2	-18.74	360	101	H
			* 15.592762	54.01	PK-U	41.1	-40.72	0	54.39	-	-	74	-19.61	360	200	H
			* 15.624491	41.5	ADR	41.1	-40.85	0.5	42.25	54	-11.75	-	-	360	200	H
			10.394158	55.99	PK-U	37.7	-44.68	0	49.01	-	-	68.2	-19.19	360	101	V
			* 15.607981	53.06	PK-U	41.2	-40.6	0	53.66	-	-	74	-20.34	360	200	V
			* 15.637825	41.53	ADR	41.2	-40.9	0.5	42.33	54	-11.67	-	-	360	200	V
		5242	* 11.332142	43.98	ADR	37.9	-44.01	0.5	38.37	54	-15.63	-	-	360	200	V
			* 11.334085	55.45	PK-U	37.9	-44.1	0	49.25	-	-	74	-24.75	360	101	H
			* 11.343627	43.37	ADR	37.9	-44	0.5	37.77	54	-16.23	-	-	360	101	H
			* 11.360489	55.28	PK-U	37.9	-44.1	0	49.08	-	-	74	-24.92	360	200	V
			* 9.416463	56.24	PK-U	36.5	-44.8	0	47.94	-	-	74	-26.06	360	101	V
			* 9.433935	56.98	PK-U	36.5	-44.7	0	48.78	-	-	74	-25.22	360	200	H
			* 9.435291	44.7	ADR	36.5	-44.73	0.5	36.97	54	-17.03	-	-	360	200	H
			* 9.440806	44.52	ADR	36.5	-44.8	0.5	36.72	54	-17.28	-	-	360	101	V
			16.638326	54.56	PK-U	40.8	-41.3	0	54.06	-	-	68.2	-14.14	360	101	H
			16.645211	43.01	ADR	40.9	-41.38	0.5	43.03	-	-	-	-	360	101	H
			16.649056	54.93	PK-U	40.9	-41.39	0	54.44	-	-	68.2	-13.76	360	200	V
			16.652394	43.28	ADR	40.9	-41.4	0.5	43.28	-	-	-	-	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

WORST-CASE HARMONICS AND SPURIOUS EMISSIONS**MIMO TXBF – LE1M Mode - High Power – 5245 MHz**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	41112 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	2.604993	43.13	PK-U	32.5	0	-26.16	49.47	-	-	-	-	68.2	-18.73	0	100	H
	2.615927	31.49	ADR	32.5	.71	-26.17	38.53	-	-	-	-	-	-	0	100	H
6	2.607306	43.34	PK-U	32.5	0	-26.12	49.72	-	-	-	-	68.2	-18.48	0	201	V
	2.63362	31.54	ADR	32.5	.71	-26.11	38.64	-	-	-	-	-	-	0	201	V
1	10.48967	58.23	PK-U	37.6	0	-45.35	50.48	-	-	-	-	68.2	-17.72	78	101	H
	10.490065	49.09	ADR	37.6	.71	-45.36	42.04	-	-	-	-	-	-	78	101	H
2	10.490313	58.24	PK-U	37.6	0	-45.37	50.47	-	-	-	-	68.2	-17.73	314	119	V
	10.489964	48.26	ADR	37.6	.71	-45.36	41.21	-	-	-	-	-	-	314	119	V
3	* 15.733952	58.09	PK-U	40.4	0	-43.08	55.41	-	-	74	-18.59	-	-	17	116	H
	* 15.735382	48.22	ADR	40.4	.71	-43.06	46.27	54	-7.73	-	-	-	-	17	116	H
4	* 15.734994	57.1	PK-U	40.4	0	-43.03	54.47	-	-	74	-19.53	-	-	53	202	V
	* 15.734458	45.56	ADR	40.4	.71	-43.06	43.61	54	-10.39	-	-	-	-	53	202	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/Cb/ Filt/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	-68.16	Pk	34.5	-17	0	11.8	-38.86	27	-65.86	53	233	H
			5.649959	-66.81	Pk	34.4	-17.1	0	11.8	-37.71	-27	-10.71	53	233	H
			5.725	-68	Pk	34.5	-17	0	11.8	-38.7	27	-65.7	18	251	V
			5.638764	-66.63	Pk	34.3	-17	0	11.8	-37.53	-27	-10.53	18	251	V
		16	5.725	-52.6	Pk	34.8	-33.3	0	11.8	-39.3	27	-66.3	185	183	H
			5.644971	-52.72	Pk	34.7	-33.5	0	11.8	-39.72	-27	-12.72	185	183	H
			5.725	-54.98	Pk	34.8	-33.3	0	11.8	-41.68	27	-68.68	165	226	V
			5.650859	-53.01	Pk	34.7	-33.5	0	11.8	-40.01	-26.36	-13.65	165	226	V
	5844	6	5.85	-68.93	Pk	34.9	-16	0	11.8	-38.23	27	-65.23	35	220	H
			5.982001	-66.37	Pk	35.2	-16.1	0	11.8	-35.47	-27	-8.47	35	220	H
			5.85	-68.57	Pk	34.9	-16	0	11.8	-37.87	27	-64.87	4	235	V
			5.949428	-66.67	Pk	35.2	-16	0	11.8	-35.67	-27	-8.67	4	235	V
		16	5.85	-50.2	Pk	35	-36.46	0	11.8	-39.86	27	-66.86	112	105	H
			5.994125	-48.57	Pk	35.3	-36.19	0	11.8	-37.66	-27	-10.66	112	105	H
			5.85	-50.94	Pk	35	-36.46	0	11.8	-40.6	27	-67.6	82	172	V
			5.936175	-48.61	Pk	35.2	-36.19	0	11.8	-37.8	-27	-10.8	82	172	V
LE1M	5733	6	5.725	-51.02	Pk	34.8	-36.54	0	11.8	-40.96	27	-67.96	6	209	H
			5.64555	-49.09	Pk	34.6	-36.62	0	11.8	-39.31	-27	-12.31	6	209	H
			5.725	-50.44	Pk	34.8	-36.54	0	11.8	-40.38	27	-67.38	238	144	V
			5.64285	-49.22	Pk	34.6	-36.63	0	11.8	-39.45	-27	-12.45	238	144	V
		16	5.725	-52.6	Pk	34.8	-33.3	0	11.8	-39.3	27	-66.3	183	101	H
			5.646321	-52.28	Pk	34.7	-33.5	0	11.8	-39.28	-27	-12.28	183	101	H
			5.725	-56.47	Pk	34.8	-33.3	0	11.8	-43.17	27	-70.17	275	101	V
			5.631488	-53.67	Pk	34.6	-33.5	0	11.8	-40.77	-27	-13.77	275	101	V
	5844	6	5.85	-49.54	Pk	34.9	-37.73	0	11.8	-40.57	27	-67.57	97	206	H
			5.995675	-47.51	Pk	35.2	-37.18	0	11.8	-37.69	-27	-10.69	97	206	H
			5.85	-50.23	Pk	34.9	-37.73	0	11.8	-41.26	27	-68.26	47	157	V
			5.94715	-47.76	Pk	35.1	-37.37	0	11.8	-38.23	-27	-11.23	47	157	V
		16	5.85	-50.22	Pk	35.2	-36.97	0	11.8	-40.19	27	-67.19	281	106	H
			5.9567	-48.18	Pk	35.4	-36.68	0	11.8	-37.66	-27	-10.66	281	106	H
			5.85	-51.42	Pk	35.2	-36.97	0	11.8	-41.39	27	-68.39	175	102	V
			5.96405	-48.74	Pk	35.4	-36.69	0	11.8	-38.23	-27	-11.23	175	102	V
LE2M	5733	6	5.648134	-47.36	Pk	34.5	-38.37	0	11.8	-39.43	-27	-12.43	182	246	H
			5.725	-49.56	Pk	34.6	-38	0	11.8	-41.16	27	-68.16	182	246	H
			5.634367	-47.28	Pk	34.5	-38.36	0	11.8	-39.34	-27	-12.34	55	130	V
			5.725	-49.37	Pk	34.6	-38	0	11.8	-40.97	27	-67.97	55	130	V
		16	5.725	-52.21	Pk	34.8	-33.3	0	11.8	-38.91	27	-65.91	179	112	H
			5.640077	-52.57	Pk	34.7	-33.5	0	11.8	-39.57	-27	-12.57	179	112	H
			5.725	-56.25	Pk	34.8	-33.3	0	11.8	-42.95	27	-69.95	276	111	V
			5.641764	-54.28	Pk	34.7	-33.5	0	11.8	-41.28	-27	-14.28	276	111	V
	5844	6	5.85	-51.2	Pk	35.1	-35.6	0	11.8	-39.9	27	-66.9	231	188	H
			5.979075	-48.84	Pk	35.3	-36.2	0	11.8	-37.94	-27	-10.94	231	188	H
			5.85	-51.3	Pk	35.1	-35.6	0	11.8	-40	27	-67	284	253	V
			5.956975	-48.83	Pk	35.3	-36.3	0	11.8	-38.03	-27	-11.03	284	253	V
		16	5.85	-48.55	Pk	35.2	-36.97	0	11.8	-38.52	27	-65.52	282	105	H
			5.932375	-48.46	Pk	35.4	-36.74	0	11.8	-38	-27	-11	282	105	H
			5.85	-51.4	Pk	35.2	-36.97	0	11.8	-41.37	27	-68.37	166	111	V
			5.978025	-48.4	Pk	35.4	-36.7	0	11.8	-37.9	-27	-10.9	166	111	V
HDT2	5733	6	5.725	-68.32	Pk	34.5	-17	0	11.8	-39.02	27	-66.02	40	196	H
			5.626031	-66.3	Pk	34.3	-17.1	0	11.8	-37.3	-27	-10.3	40	196	H
			5.725	-67.24	Pk	34.5	-17	0	11.8	-37.94	27	-64.94	16	254	V
			5.646752	-66.88	Pk	34.3	-17.1	0	11.8	-37.88	-27	-10.88	16	254	V
		16	5.725	-51.63	Pk	34.8	-33.3	0	11.8	-38.33	27	-65.33	174	127	H
			5.626406	-52.8	Pk	34.6	-33.5	0	11.8	-39.9	-27	-12.9	174	127	H
			5.725	-54.43	Pk	34.8	-33.3	0	11.8	-41.13	27	-68.13	104	379	V
			5.631451	-53.59	Pk	34.6	-33.5	0	11.8	-40.69	-27	-13.69	104	379	V
	5844	6	5.85	-46.51	Pk	35.1	-35.6	0	11.8	-35.21	27	-62.21	236	199	H
			5.964175	-48.67	Pk	35.3	-36.3	0	11.8	-37.87	-27	-10.87	236	199	H
			5.85	-50.77	Pk	35.1	-35.6	0	11.8	-39.47	27	-66.47	197	161	V
			5.987125	-49.03	Pk	35.3	-36.19	0	11.8	-38.12	-27	-11.12	197	161	V
		16	5.85	-46.4	Pk	35.2	-34.4	0	11.8	-33.8	27	-60.8	45	114	H
			5.9769	-52.49	Pk	35.6	-34.2	0	11.8	-39.29	-27	-12.29	45	114	H
			5.85	-53.94	Pk	35.2	-34.4	0	11.8	-41.34	27	-68.34	326	382	V
			5.98925	-52.87	Pk	35.6	-34.3	0	11.8	-39.77	-27	-12.77	326	382	V

Pk - Peak detector

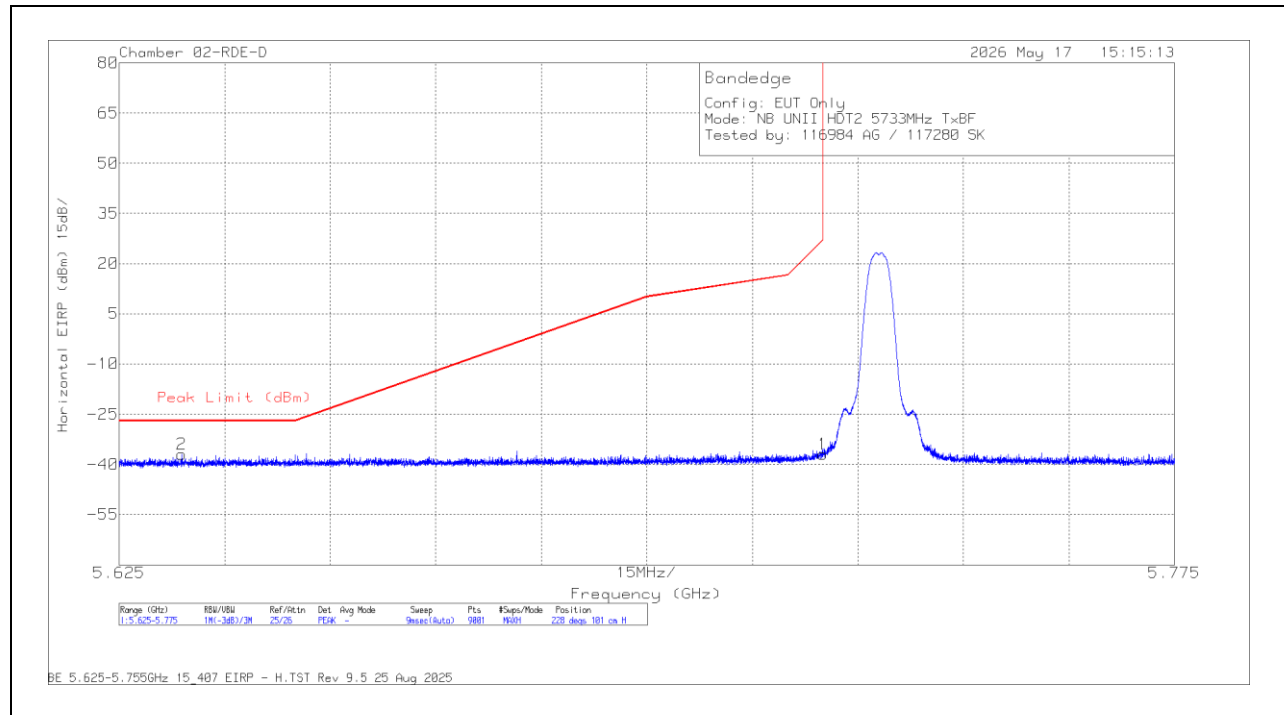
UNII-3 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DCCF (dB)	Conversion Factor (dB)	Correct Reading EIRP (dBm)	Pk Limit (dBm)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	5733	6	5.725	-68.4	Pk	34.5	-17	0	11.8	-39.1	27	-66.1	44	223	H
			5.642927	-66.22	Pk	34.3	-17.1	0	11.8	-37.22	-27	-10.22	44	223	H
			5.725	-68.61	Pk	34.5	-17	0	11.8	-39.31	27	-66.31	8	278	V
			5.625806	-66.71	Pk	34.3	-17	0	11.8	-37.61	-27	-10.61	8	278	V
		16	5.725	-51.16	Pk	34.8	-33.3	0	11.8	-37.86	27	-64.86	168	186	H
			5.644446	-52.1	Pk	34.7	-33.5	0	11.8	-39.1	-27	-12.1	168	186	H
			5.725	-55.21	Pk	34.8	-33.3	0	11.8	-41.91	27	-68.91	121	385	V
			5.630476	-53.63	Pk	34.6	-33.5	0	11.8	-40.73	-27	-13.73	121	385	V
	5844	6	5.85	-62.78	Pk	35.1	-23.58	0	11.8	-39.46	27	-66.46	124	126	H
			5.937425	-61.21	Pk	35.2	-23.46	0	11.8	-37.67	-27	-10.67	124	126	H
			5.85	-61.53	Pk	35.1	-23.58	0	11.8	-38.21	27	-65.21	20	371	V
			5.9456	-61.01	Pk	35.2	-23.55	0	11.8	-37.56	-27	-10.56	20	371	V
		16	5.85	-47.69	Pk	35.2	-36.97	0	11.8	-37.66	27	-64.66	310	112	H
			5.9955	-49.18	Pk	35.4	-36.72	0	11.8	-38.7	-27	-11.7	310	112	H
			5.85	-51.77	Pk	35.2	-36.97	0	11.8	-41.74	27	-68.74	267	118	V
			5.9427	-49.49	Pk	35.4	-36.69	0	11.8	-38.98	-27	-11.98	267	118	V
HDR8	5733	6	5.725	-63.96	Pk	34.5	-17	0	11.8	-34.66	27	-61.66	39	208	H
			5.644033	-66.32	Pk	34.3	-17	0	11.8	-37.22	-27	-10.22	39	208	H
			5.725	-67.09	Pk	34.5	-17	0	11.8	-37.79	27	-64.79	8	242	V
			5.628769	-66.9	Pk	34.3	-17	0	11.8	-37.8	-27	-10.8	8	242	V
		16	5.725	-44.53	Pk	34.8	-33.3	0	11.8	-31.23	27	-58.23	280	191	H
			5.641689	-52.79	Pk	34.7	-33.5	0	11.8	-39.79	-27	-12.79	280	191	H
			5.725	-51.79	Pk	34.8	-33.3	0	11.8	-38.49	27	-65.49	113	179	V
			5.644858	-53.84	Pk	34.7	-33.5	0	11.8	-40.84	-27	-13.84	113	179	V
	5844	6	5.85	-33.99	Pk	35.1	-35.6	0	11.8	-22.69	27	-49.69	316	287	H
			5.95425	-48.36	Pk	35.3	-36.38	0	11.8	-37.64	-27	-10.64	316	287	H
			5.85	-37.78	Pk	35.1	-35.6	0	11.8	-26.48	27	-53.48	97	368	V
			5.969775	-48.9	Pk	35.3	-36.2	0	11.8	-38	-27	-11	97	368	V
		16	5.85	-31.77	Pk	35.2	-36.97	0	11.8	-21.74	27	-48.74	274	104	H
			5.98265	-48.66	Pk	35.4	-36.68	0	11.8	-38.14	-27	-11.14	274	104	H
			5.85	-40.76	Pk	35.2	-36.97	0	11.8	-30.73	27	-57.73	169	110	V
			5.933325	-48.79	Pk	35.4	-36.73	0	11.8	-38.32	-27	-11.32	169	110	V
XHDPRL12	5733	6	5.725	-34.63	Pk	34.8	-36.54	0	11.8	-24.57	27	-51.57	187	216	H
			5.6407	-49.07	Pk	34.6	-36.63	0	11.8	-39.3	-27	-12.3	187	216	H
			5.725	-42.83	Pk	34.8	-36.54	0	11.8	-32.77	27	-59.77	64	151	V
			5.642017	-49.11	Pk	34.6	-36.64	0	11.8	-39.35	-27	-12.35	64	151	V
		16	5.725	-31.53	Pk	34.5	-34.1	0	11.8	-19.33	27	-46.33	111	247	H
			5.651084	-48.53	Pk	34.3	-34.08	0	11.8	-36.51	-26.2	-10.31	111	247	H
			5.725	-39.55	Pk	34.5	-34.1	0	11.8	-27.35	27	-54.35	334	227	V
			5.645167	-50.09	Pk	34.3	-34.16	0	11.8	-38.15	-27	-11.15	334	227	V
	5844	6	5.85	-20.79	Pk	35	-36.46	0	11.8	-10.45	27	-37.45	358	272	H
			5.940775	-48.07	Pk	35.2	-36.19	0	11.8	-37.26	-27	-10.26	358	272	H
			5.85	-26.97	Pk	35	-36.46	0	11.8	-16.63	27	-43.63	242	174	V
			5.9878	-49.29	Pk	35.3	-36.22	0	11.8	-38.41	-27	-11.41	242	174	V
		16	5.85	-17.64	Pk	35	-36.46	0	11.8	-7.3	27	-34.3	102	107	H
			5.963025	-48.52	Pk	35.2	-36.14	0	11.8	-37.66	-27	-10.66	102	107	H
			5.85	-29.62	Pk	35	-36.46	0	11.8	-19.28	27	-46.28	16	392	V
			5.987675	-48.47	Pk	35.3	-36.22	0	11.8	-37.59	-27	-10.59	16	392	V

Pk - Peak detector

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

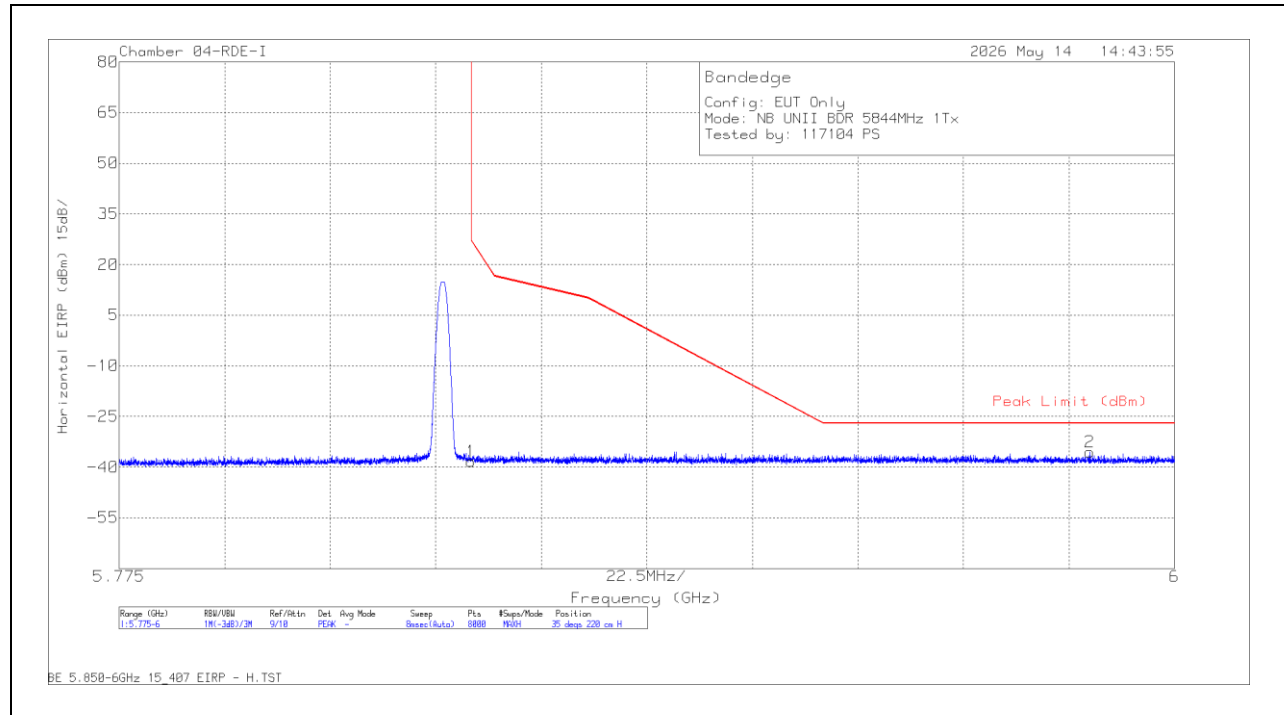
UNII-3 (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Conversion Factor (dB)	Correct Reading EIRP (dBm)	Pk Limit (dBm)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	5733	6 + 16	5.725	-62.07	Pk	34.9	-23.91	0	11.8	-39.28	27	-66.28	318	228	H
			5.632867	-61.21	Pk	34.7	-23.82	0	11.8	-38.53	-27	-11.53	318	228	H
			5.725	-63.77	Pk	34.9	-23.91	0	11.8	-40.98	27	-67.98	289	187	V
	5844	6 + 16	5.650034	-61.28	Pk	34.7	-23.89	0	11.8	-38.67	-26.97	-11.7	289	187	V
			5.85	-60.28	Pk	35.1	-23.58	0	11.8	-36.96	27	-63.96	226	227	H
			5.938875	-60.86	Pk	35.2	-23.46	0	11.8	-37.32	-27	-10.32	226	227	H
HDT2	5733	6 + 16	5.85	-62.89	Pk	35.1	-23.58	0	11.8	-39.57	27	-66.57	196	201	V
			5.9316	-61.14	Pk	35.2	-23.54	0	11.8	-37.68	-27	-10.68	196	201	V
			5.725	-48.99	Pk	34.9	-34.6	0	11.8	-36.89	27	-63.89	228	101	H
	5844	6 + 16	5.633917	-48.9	Pk	34.7	-34.6	0	11.8	-37	-27	-10	228	101	H
			5.725	-51.78	Pk	34.9	-34.6	0	11.8	-39.68	27	-66.68	196	184	V
			5.645584	-49.82	Pk	34.7	-34.6	0	11.8	-37.92	-27	-10.92	196	184	V
LE1M	5733	6 + 16	5.85	-41.52	Pk	35	-33.85	0	11.8	-28.57	27	-55.57	38	238	H
			5.932875	-49	Pk	35.2	-33.54	0	11.8	-35.54	-27	-8.54	38	238	H
			5.85	-48.47	Pk	35	-33.85	0	11.8	-35.52	27	-62.52	338	231	V
	5844	6 + 16	5.962075	-49.42	Pk	35.2	-33.52	0	11.8	-35.94	-27	-8.94	338	231	V
			5.725	-61.54	Pk	34.9	-23.91	0	11.8	-38.75	27	-65.75	319	229	H
			5.638034	-61.43	Pk	34.7	-23.85	0	11.8	-38.78	-27	-11.78	319	229	H
LE2M	5733	6 + 16	5.725	-63.53	Pk	34.9	-23.91	0	11.8	-40.74	27	-67.74	290	187	V
			5.630117	-61.73	Pk	34.7	-23.85	0	11.8	-39.08	-27	-12.08	290	187	V
	5844	6 + 16	5.85	-58.04	Pk	35.1	-23.58	0	11.8	-34.72	27	-61.72	51	233	H
			5.941775	-60	Pk	35.2	-23.52	0	11.8	-36.52	-27	-9.52	51	233	H
			5.85	-62.63	Pk	35.1	-23.58	0	11.8	-39.31	27	-66.31	11	162	V
			5.92505	-60.95	Pk	35.2	-23.48	0	11.8	-37.43	-27	-10.43	11	162	V
HDR4	5733	6 + 16	5.725	-61.22	Pk	34.9	-23.91	0	11.8	-38.43	27	-65.43	320	227	H
			5.633	-60.97	Pk	34.7	-23.82	0	11.8	-38.29	-27	-11.29	320	227	H
			5.725	-63.77	Pk	34.9	-23.91	0	11.8	-40.98	27	-67.98	290	400	V
	5844	6 + 16	5.631317	-61.87	Pk	34.7	-23.87	0	11.8	-39.24	-27	-12.24	290	400	V
			5.85	-59.5	Pk	35.1	-23.58	0	11.8	-36.18	27	-63.18	52	234	H
			5.924775	-60.33	Pk	35.2	-23.48	0	11.8	-36.81	-26.83	-9.88	52	234	H
HDR8	5733	6 + 16	5.85	-62.45	Pk	35.1	-23.58	0	11.8	-39.13	27	-66.13	12	163	V
			5.92445	-60.55	Pk	35.2	-23.48	0	11.8	-37.03	-26.59	-10.44	12	163	V
	5844	6 + 16	5.725	-49.19	Pk	34.5	-34.1	0	11.8	-36.99	27	-63.99	106	200	H
			5.648684	-49.77	Pk	34.3	-34.1	0	11.8	-37.77	-27	-10.77	106	200	H
			5.725	-52.14	Pk	34.5	-34.1	0	11.8	-39.94	27	-66.94	353	178	V
			5.628567	-50.51	Pk	34.3	-34.27	0	11.8	-38.68	-27	-11.68	353	178	V
XHDRPL12	5733	6 + 16	5.85	-42.54	Pk	35	-33.85	0	11.8	-29.59	27	-56.59	38	208	H
			5.95755	-49.1	Pk	35.2	-33.55	0	11.8	-35.65	-27	-8.65	38	208	H
			5.85	-48.35	Pk	35	-33.85	0	11.8	-35.4	27	-62.4	342	186	V
	5844	6 + 16	5.92485	-49.62	Pk	35.2	-33.72	0	11.8	-36.34	-26.89	-9.45	342	186	V
			5.725	-50.72	Pk	34.9	-23.91	0	11.8	-27.93	27	-54.93	321	230	H
			5.631583	-61.28	Pk	34.7	-23.86	0	11.8	-38.64	-27	-11.64	321	230	H
XHDRPL12	5733	6 + 16	5.725	-58.05	Pk	34.9	-23.91	0	11.8	-35.26	27	-62.26	289	201	V
			5.642534	-61.94	Pk	34.7	-23.91	0	11.8	-39.35	-27	-12.35	289	201	V
	5844	6 + 16	5.85	-38.3	Pk	35.1	-23.58	0	11.8	-14.98	27	-41.98	229	230	H
			5.94455	-60.17	Pk	35.2	-23.53	0	11.8	-36.7	-27	-9.7	229	230	H
			5.85	-46.63	Pk	35.1	-23.58	0	11.8	-23.31	27	-50.31	193	197	V
			5.957975	-61.1	Pk	35.2	-23.51	0	11.8	-37.61	-27	-10.61	193	197	V
XHDRPL12	5733	6 + 16	5.725	-31.45	Pk	34.5	-34.1	0	11.8	-19.25	27	-46.25	28	130	H
			5.6255	-49.55	Pk	34.3	-34.25	0	11.8	-37.7	-27	-10.7	28	130	H
			5.725	-40.86	Pk	34.5	-34.1	0	11.8	-28.66	27	-55.66	2	179	V
	5844	6 + 16	5.634267	-50.48	Pk	34.3	-34.21	0	11.8	-38.59	-27	-11.59	2	179	V
			5.85	-16.07	Pk	35	-33.85	0	11.8	-3.12	27	-30.12	33	174	H
			5.9549	-48.91	Pk	35.2	-33.61	0	11.8	-35.52	-27	-8.52	33	174	H
XHDRPL12	5844	6 + 16	5.85	-24.64	Pk	35	-33.85	0	11.8	-11.69	27	-38.69	348	200	V
			5.96195	-49.79	Pk	35.2	-33.52	0	11.8	-36.31	-27	-9.31	348	200	V

Pk - Peak detector

WORST-CASE LOW BANDEDGE**MIMO TXBF – HDT2 Mode - High Power – 5733 MHz****HORIZONTAL RESULT****Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	226674 ACF (dB/m)	Conversion Factor (dB)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-48.99	Pk	34.9	11.8	-34.6	0	-36.89	27	-63.89	228	101	H
2	5.633917	-48.9	Pk	34.7	11.8	-34.6	0	-37	-27	-10	228	101	H

Pk - Peak detector

WORST-CASE HIGH BANDEDGE**SISO Ant 6 - BDR Mode - High Power – 5844 MHz****HORIZONTAL RESULT****Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.93	Pk	34.9	-16	11.8	0	-38.23	27	-65.23	35	220	H
2	5.982001	-66.37	Pk	35.2	-16.1	11.8	0	-35.47	-27	-8.47	35	220	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/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	5733	6 + 16	* 11.475267	42.06	ADR	38.2	-41.69	1.15	39.72	54	-14.28	-	-	0	200	V
			* 11.476699	41.96	ADR	38.2	-41.68	1.15	39.63	54	-14.37	-	-	0	101	H
			* 11.4804	53.57	PK-U	38.2	-41.65	0	50.12	-	-	74	-23.88	0	200	V
			* 11.481775	53.58	PK-U	38.2	-41.65	0	50.13	-	-	74	-23.87	0	101	H
			* 17.775948	55.1	PK-U	41.6	-40.88	0	55.82	-	-	74	-18.18	0	101	H
			* 17.791248	43	ADR	41.6	-41.11	1.15	44.64	54	-9.36	-	-	0	200	V
			* 17.805637	42.91	ADR	41.6	-41.33	1.15	44.33	54	-9.67	-	-	0	101	H
			* 17.820012	54.46	PK-U	41.5	-41.55	0	54.41	-	-	74	-19.59	0	200	V
			* 2.73511	58.05	PK-U	32.4	-47.25	0	43.2	-	-	74	-30.8	0	200	V
			* 2.743477	46.26	ADR	32.4	-47.29	1.15	32.52	54	-21.48	-	-	0	200	V
			* 2.744735	58.16	PK-U	32.4	-47.3	0	43.26	-	-	74	-30.74	0	101	H
			* 2.745515	46.15	ADR	32.4	-47.3	1.15	32.4	54	-21.6	-	-	0	101	H
	5788	6 + 16	* 7.617171	45.08	ADR	35.6	-46.31	1.15	35.52	54	-18.48	-	-	0	101	H
			* 9.118012	43.95	ADR	36.3	-45.35	1.15	36.05	54	-17.95	-	-	0	101	H
			* 11.330831	43.83	ADR	37.9	-44.89	1.15	37.99	54	-16.01	-	-	0	199	H
			* 7.618593	56.69	PK-U	35.6	-46.32	0	45.97	-	-	74	-28.03	0	101	H
			* 9.106412	55.48	PK-U	36.3	-45.22	0	46.56	-	-	74	-27.44	0	101	H
			* 11.339346	55.47	PK-U	37.9	-44.93	0	48.44	-	-	74	-25.56	0	199	H
			* 7.639551	45.11	ADR	35.6	-46.39	1.15	35.47	54	-18.53	-	-	0	199	V
			* 9.130078	43.83	ADR	36.2	-45.37	1.15	35.81	54	-18.19	-	-	0	101	V
			* 11.320063	43.83	ADR	37.8	-44.87	1.15	37.91	54	-16.09	-	-	0	200	V
			* 7.62544	57.01	PK-U	35.6	-46.35	0	46.26	-	-	74	-27.74	0	199	V
			* 9.130923	55.61	PK-U	36.2	-45.4	0	46.41	-	-	74	-27.59	0	101	V
			* 11.30933	55.86	PK-U	37.8	-44.79	0	48.87	-	-	74	-25.13	0	200	V
	5844	6 + 16	* 7.61764	44.95	ADR	35.6	-46.32	1.15	35.38	54	-18.62	-	-	0	200	H
			* 9.179692	44.06	ADR	36.3	-45.46	1.15	36.05	54	-17.95	-	-	0	200	H
			* 11.261898	44.39	ADR	37.8	-44.92	1.15	38.42	54	-15.58	-	-	0	200	H
			* 7.627524	56.92	PK-U	35.6	-46.42	0	46.1	-	-	74	-27.9	0	200	H
			* 9.15643	55.93	PK-U	36.2	-45.44	0	46.69	-	-	74	-27.31	0	200	H
			* 11.249547	55.86	PK-U	37.8	-44.85	0	48.81	-	-	74	-25.19	0	200	H
			* 7.599564	44.97	ADR	35.6	-46.07	1.15	35.65	54	-18.35	-	-	0	101	V
			* 9.17446	44.07	ADR	36.3	-45.56	1.15	35.96	54	-18.04	-	-	0	101	V
			* 11.2618	44.2	ADR	37.8	-44.92	1.15	38.23	54	-15.77	-	-	0	200	V
			* 7.600178	56.9	PK-U	35.6	-46.1	0	46.4	-	-	74	-27.6	0	101	V
			* 9.176731	56.28	PK-U	36.3	-45.55	0	47.03	-	-	74	-26.97	0	101	V
			* 11.268031	56	PK-U	37.8	-44.91	0	48.89	-	-	74	-25.11	0	200	V
LE1M	5733	6 + 16	1.904348	58.39	PK-U	30.7	-46.41	0	42.68	-	-	68.2	-25.52	0	201	V
			1.912175	57.9	PK-U	30.8	-46.46	0	42.24	-	-	68.2	-25.96	0	100	H
			10.531066	52.63	PK-U	37.5	-41.04	0	49.09	-	-	68.2	-19.11	0	201	V
			10.566503	52.97	PK-U	37.6	-40.69	0	49.88	-	-	68.2	-18.32	0	100	H
			17.199337	51.48	PK-U	41.2	-39.03	0	53.65	-	-	68.2	-14.55	0	200	V
			17.213225	52.3	PK-U	41.2	-38.79	0	54.71	-	-	68.2	-13.49	0	100	H
	5788	6 + 16	* 11.585928	40.71	ADR	38.1	-40.34	0.71	39.18	54	-14.82	-	-	0	100	H
			* 11.586535	52.67	PK-U	38.1	-40.31	0	50.46	-	-	74	-23.54	0	201	V
			* 11.595451	40.75	ADR	38.1	-40.08	0.71	39.48	54	-14.52	-	-	0	201	V
			* 11.610701	52.26	PK-U	38.1	-40.12	0	50.24	-	-	74	-23.76	0	100	H
			* 17.785552	40.42	ADR	41.4	-38.02	0.71	44.51	54	-9.49	-	-	0	200	V
			* 17.79569	52.46	PK-U	41.4	-37.5	0	56.36	-	-	74	-17.64	0	200	V
			* 17.823893	52.42	PK-U	41.4	-38	0	55.82	-	-	74	-18.18	0	100	H
			* 17.826253	40.68	ADR	41.4	-38.07	0.71	44.72	54	-9.28	-	-	0	100	H
			* 2.884224	44.86	ADR	32.6	-45.79	0.71	32.38	54	-21.62	-	-	0	100	H
			* 2.893831	56.91	PK-U	32.6	-45.84	0	43.67	-	-	74	-30.33	0	100	H
			* 2.898345	56.66	PK-U	32.6	-45.8	0	43.46	-	-	74	-30.54	0	201	V
			2.900085	45.08	ADR	32.6	-45.79	0.71	32.6	-	-	-	-	0	201	V
	5844	6 + 16	* 11.677354	53.19	PK-U	38.2	-40.23	0	51.16	-	-	74	-22.84	360	100	H
			* 11.706816	40.67	ADR	38.3	-40.36	0.71	39.32	54	-14.68	-	-	360	100	H
			* 17.709519	52.6	PK-U	41.4	-38.9	0	55.1	-	-	74	-18.9	360	100	H
			* 17.715923	41.15	ADR	41.4	-38.94	0.71	44.32	54	-9.68	-	-	360	100	H
			* 11.663151	53.27	PK-U	38.2	-39.86	0	51.61	-	-	74	-22.39	360	201	V
			* 11.657538	40.85	ADR	38.2	-39.75	0.71	40.01	54	-13.99	-	-	360	201	V
			* 17.711115	52.51	PK-U	41.4	-38.92	0	54.99	-	-	74	-19.01	360	200	V
			* 17.712324	40.62	ADR	41.4	-38.89	0.71	43.84	54	-10.16	-	-	360	200	V
			2.933997	56.09	PK-U	32.6	-45.78	0	42.91	-	-	68.2	-25.29	360	100	H
			2.947011	56.29	PK-U	32.6	-45.66	0	43.23	-	-	68.2	-24.97	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-3 (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
LE2M	5733	6 + 16	* 7.495246	56.88	PK-U	35.6	-46.82	0	45.66	-	-	74	-28.34	2	200	H
			* 7.499699	45.03	ADR	35.6	-46.8	2.46	36.29	54	-17.71	-	-	2	200	H
			* 9.099134	56.02	PK-U	36.3	-45.38	0	46.94	-	-	74	-27.06	2	101	H
			* 9.081765	43.92	ADR	36.3	-45.35	2.46	37.33	54	-16.67	-	-	2	101	H
			* 11.448126	55.28	PK-U	38.1	-44.69	0	48.69	-	-	74	-25.31	2	101	H
			* 11.439264	43.17	ADR	38.1	-44.82	2.46	38.91	54	-15.09	-	-	2	101	H
			* 7.500847	57.4	PK-U	35.6	-46.77	0	46.23	-	-	74	-27.77	2	101	V
			* 7.500278	45.2	ADR	35.6	-46.79	2.46	36.47	54	-17.53	-	-	2	101	V
			* 9.081563	56.2	PK-U	36.3	-45.35	0	47.15	-	-	74	-26.85	2	200	V
			* 9.088159	43.82	ADR	36.3	-45.34	2.46	37.24	54	-16.76	-	-	2	200	V
			* 11.441338	55.67	PK-U	38.1	-44.8	0	48.97	-	-	74	-25.03	2	200	V
			* 11.442222	43.31	ADR	38.1	-44.81	2.46	39.06	54	-14.94	-	-	2	200	V
	5788	6 + 16	* 7.544152	57.14	PK-U	35.6	-46.37	0	46.37	-	-	74	-27.63	0	200	H
			* 7.557499	44.83	ADR	35.6	-46.33	2.46	36.56	54	-17.44	-	-	0	200	H
			* 9.084005	55.62	PK-U	36.3	-45.43	0	46.49	-	-	74	-27.51	0	101	H
			* 9.083068	43.9	ADR	36.3	-45.38	2.46	37.28	54	-16.72	-	-	0	101	H
			* 11.894138	55.08	PK-U	38.9	-43.74	0	50.24	-	-	74	-23.76	0	200	H
			* 11.902138	42.5	ADR	38.9	-43.61	2.46	40.25	54	-13.75	-	-	0	200	H
			* 7.553754	56.86	PK-U	35.6	-46.37	0	46.09	-	-	74	-27.91	0	101	V
			* 7.550469	44.88	ADR	35.6	-46.33	2.46	36.61	54	-17.39	-	-	0	101	V
			* 9.080498	55.81	PK-U	36.3	-45.32	0	46.79	-	-	74	-27.21	0	101	V
			* 9.085805	43.88	ADR	36.3	-45.42	2.46	37.22	54	-16.78	-	-	0	101	V
			* 11.907726	54.8	PK-U	38.9	-43.51	0	50.19	-	-	74	-23.81	0	200	V
			* 11.901366	42.69	ADR	38.9	-43.6	2.46	40.45	54	-13.55	-	-	0	200	V
	5844	6 + 16	* 7.561743	57.31	PK-U	35.6	-46.2	0	46.71	-	-	74	-27.29	0	200	H
			* 7.539556	44.76	ADR	35.6	-46.46	2.46	36.36	54	-17.64	-	-	0	200	H
			* 9.142556	55.95	PK-U	36.2	-45.44	0	46.71	-	-	74	-27.29	0	101	H
			* 9.147068	44.04	ADR	36.2	-45.48	2.46	37.22	54	-16.78	-	-	0	101	H
			* 11.506563	55.81	PK-U	38.2	-44.3	0	49.71	-	-	74	-24.29	0	200	H
			* 11.510248	43.76	ADR	38.2	-44.2	2.46	40.22	54	-13.78	-	-	0	200	H
			* 7.513111	57.47	PK-U	35.6	-46.75	0	46.32	-	-	74	-27.68	0	200	V
			* 7.512715	45	ADR	35.6	-46.76	2.46	36.3	54	-17.7	-	-	0	200	V
			* 9.147451	55.96	PK-U	36.2	-45.47	0	46.69	-	-	74	-27.31	0	200	V
			* 9.1459	43.97	ADR	36.2	-45.47	2.46	37.16	54	-16.84	-	-	0	200	V
			* 11.504597	55.77	PK-U	38.2	-44.35	0	49.62	-	-	74	-24.38	0	200	V
			* 11.505895	43.63	ADR	38.2	-44.32	2.46	39.97	54	-14.03	-	-	0	200	V
HDT2	5733	6 + 16	* 7.477857	57.18	PK-U	35.6	-46.82	0	45.96	-	-	74	-28.04	0	101	H
			* 7.481084	45.07	ADR	35.6	-46.83	0.16	34	54	-20	-	-	0	101	H
			* 9.153019	56.44	PK-U	36.2	-45.45	0	47.19	-	-	74	-26.81	0	200	H
			* 9.15265	44.26	ADR	36.2	-45.44	0.16	35.18	54	-18.82	-	-	0	200	H
			* 11.947081	54.54	PK-U	39	-43.59	0	49.95	-	-	74	-24.05	0	200	H
			* 11.938974	42.7	ADR	39	-43.52	0.16	38.34	54	-15.66	-	-	0	200	H
			* 7.442668	56.86	PK-U	35.6	-46.8	0	45.66	-	-	74	-28.34	0	101	V
			* 7.476623	45.11	ADR	35.6	-46.84	0.16	34.03	54	-19.97	-	-	0	101	V
			* 9.135458	55.91	PK-U	36.2	-45.36	0	46.75	-	-	74	-27.25	0	200	V
			* 9.146316	44.35	ADR	36.2	-45.47	0.16	35.24	54	-18.76	-	-	0	200	V
			* 11.906836	54.32	PK-U	38.9	-43.51	0	49.71	-	-	74	-24.29	0	200	V
			* 11.940334	42.83	ADR	39	-43.49	0.16	38.5	54	-15.5	-	-	0	200	V
	5788	6 + 16	* 1.290409	62.4	PK-U	29.1	-49.83	0	41.67	-	-	74	-32.33	0	101	H
			* 1.283335	50.22	ADR	29.1	-49.81	0.16	29.67	54	-24.33	-	-	0	101	H
			* 3.898509	57.79	PK-U	33.5	-47.81	0	43.48	-	-	74	-30.52	0	101	H
			* 3.899976	46.13	ADR	33.5	-47.83	0.16	31.96	54	-22.04	-	-	0	101	H
			* 1.285423	61.9	PK-U	29.1	-49.83	0	41.17	-	-	74	-32.83	0	200	V
			* 1.284296	50.1	ADR	29.1	-49.82	0.16	29.54	54	-24.46	-	-	0	200	V
			* 3.898594	57.69	PK-U	33.5	-47.81	0	43.38	-	-	74	-30.62	0	200	V
			* 3.859814	46.22	ADR	33.4	-47.82	0.16	31.96	54	-22.04	-	-	0	200	V
			* 12.64977	54.94	PK-U	39	-42.97	0	50.97	-	-	74	-23.03	0	200	H
			* 12.646577	43.13	ADR	39	-42.91	0.16	39.38	54	-14.62	-	-	0	200	H
			* 12.648595	55.01	PK-U	39	-42.89	0	51.12	-	-	74	-22.88	0	200	V
			* 12.643546	43.53	ADR	39	-43.04	0.16	39.65	54	-14.35	-	-	0	200	V
	5844	6 + 16	* 1.492173	60.56	PK-U	27.9	-49.27	0	39.19	-	-	74	-34.81	0	200	H
			* 1.495047	48.86	ADR	27.9	-49.25	0.16	27.67	54	-26.33	-	-	0	200	H
			* 2.714396	59.95	PK-U	32.6	-49.42	0	43.13	-	-	74	-30.87	0	200	H
			* 2.713109	48.54	ADR	32.6	-49.41	0.16	31.89	54	-22.11	-	-	0	200	H
			* 1.493437	60.66	PK-U	27.9	-49.25	0	39.31	-	-	74	-34.69	0	200	V
			* 1.495117	49.04	ADR	27.9	-49.25	0.16	27.85	54	-26.15	-	-	0	200	V
			* 2.71036	60	PK-U	32.6	-49.38	0	43.22	-	-	74	-30.78	0	200	V
			* 2.716746	48.45	ADR	32.6	-49.45	0.16	31.76	54	-22.24	-	-	0	200	V
			* 16.032424	54.76	PK-U	41	-42.35	0	53.41	-	-	74	-20.59	0	200	H
			* 16.027442	42.4	ADR	41	-42.3	0.16	41.26	54	-12.74	-	-	0	200	H
			* 16.008216	54.36	PK-U	41.1	-42.22	0	53.24	-	-	74	-20.76	0	200	V
			* 16.011252	42.71	ADR	41.1	-42.19	0.16	41.78	54	-12.22	-	-	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/ 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
HDR4	5733	6 + 16	* 8.097499	52.57	PK-U	36.1	-40	0	48.67	-	-	74	-25.33	214	132	H
			* 8.100503	40.24	ADR	36.1	-39.9	1.08	37.52	54	-16.48	-	-	214	132	H
			* 11.981815	52.66	PK-U	39.7	-39.5	0	52.86	-	-	74	-21.14	108	203	H
			* 11.985104	40.5	ADR	39.7	-39.5	1.08	41.78	54	-12.22	-	-	108	203	H
			* 8.092059	52.06	PK-U	36.1	-40.1	0	48.06	-	-	74	-25.94	159	122	V
			* 8.109135	40.26	ADR	36.1	-40	1.08	37.44	54	-16.56	-	-	159	122	V
			* 11.948398	52.48	PK-U	39.7	-39.4	0	52.78	-	-	74	-21.22	66	180	V
			* 11.947563	40.57	ADR	39.7	-39.5	1.08	41.85	54	-12.15	-	-	66	180	V
			1.735178	57.79	PK-U	29.3	-46.4	0	40.69	-	-	68.2	-27.51	231	194	V
			1.736798	57.77	PK-U	29.3	-46.4	0	40.67	-	-	68.2	-27.53	42	225	H
			* 2.899827	31.26	ADR	32.5	-25.8	1.08	39.04	54	-14.96	-	-	360	100	H
			* 11.584205	55.92	PK-U	38.4	-44.65	0	49.67	-	-	74	-24.33	360	100	H
	5788	6 + 16	* 11.593108	44.3	ADR	38.4	-44.85	1.08	38.93	54	-15.07	-	-	360	100	H
			* 11.564513	56	PK-U	38.4	-44.47	0	49.93	-	-	74	-24.07	360	201	V
			* 11.575054	44.2	ADR	38.4	-44.5	1.08	39.18	54	-14.82	-	-	360	201	V
			1.921247	43.11	PK-U	31.5	-26.85	0	47.76	-	-	68.2	-20.44	360	100	H
			1.940311	43.1	PK-U	31.5	-26.95	0	47.65	-	-	68.2	-20.55	360	201	V
			2.901715	43.59	PK-U	32.5	-25.8	0	50.29	-	-	68.2	-17.91	360	100	H
			2.912335	42.74	PK-U	32.5	-25.76	0	49.48	-	-	68.2	-18.72	360	200	V
			* 11.465131	46.79	PK-U	38.1	-35.9	0	48.99	-	-	74	-25.01	0	150	V
	5844	6 + 16	* 11.472272	46.91	PK-U	38.1	-35.9	0	49.11	-	-	74	-24.89	0	150	H
			* 11.479462	35.01	ADR	38.2	-35.8	1.08	38.49	54	-15.51	-	-	0	150	H
			* 11.480494	35.11	ADR	38.2	-35.9	1.08	38.49	54	-15.51	-	-	0	150	V
			* 17.837224	44.51	PK-U	41.5	-31.1	0	54.91	-	-	74	-19.09	0	150	H
			* 17.837933	32.67	ADR	41.5	-31.1	1.08	44.15	54	-9.85	-	-	0	150	V
			* 17.843328	44.38	PK-U	41.4	-31	0	54.78	-	-	74	-19.22	0	150	V
			* 17.846512	32.68	ADR	41.4	-31	1.08	44.16	54	-9.84	-	-	0	150	H
			* 2.84478	54.21	PK-U	32.2	-43.3	0	43.11	-	-	74	-30.89	0	150	V
			* 2.845873	41.95	ADR	32.2	-43.3	1.08	31.93	54	-22.07	-	-	0	150	V
			* 2.850157	41.9	ADR	32.2	-43.3	1.08	31.88	54	-22.12	-	-	0	150	H
			* 2.852979	53.7	PK-U	32.2	-43.3	0	42.6	-	-	74	-31.4	0	150	H
	HDR8	5733	* 7.475644	56.58	PK-U	35.6	-46.83	0	45.35	-	-	74	-28.65	1	199	H
			* 7.439337	44.95	ADR	35.6	-46.76	1.08	34.87	54	-19.13	-	-	1	199	H
			* 9.092644	55.21	PK-U	36.3	-45.23	0	46.28	-	-	74	-27.72	1	199	H
			* 9.13087	43.91	ADR	36.2	-45.4	1.08	35.79	54	-18.21	-	-	1	199	H
			* 11.520416	55.19	PK-U	38.2	-44	0	49.39	-	-	74	-24.61	1	101	H
			* 11.513034	43.69	ADR	38.2	-44.15	1.08	38.82	54	-15.18	-	-	1	101	H
			* 7.428484	56.93	PK-U	35.6	-46.81	0	45.72	-	-	74	-28.28	1	101	V
			* 7.429901	45.23	ADR	35.6	-46.79	1.08	35.12	54	-18.88	-	-	1	101	V
			* 9.136686	55.85	PK-U	36.2	-45.38	0	46.67	-	-	74	-27.33	1	101	V
			* 9.137984	43.9	ADR	36.2	-45.36	1.08	35.82	54	-18.18	-	-	1	101	V
			* 11.51938	55.55	PK-U	38.2	-44.03	0	49.72	-	-	74	-24.28	1	101	V
			* 11.527833	43.64	ADR	38.2	-43.94	1.08	38.98	54	-15.02	-	-	1	101	V
		5788	* 7.462517	65.72	PK-U	35.6	-46.85	0	54.47	-	-	74	-19.53	0	101	H
			* 7.491095	45.52	ADR	35.6	-46.78	1.08	35.42	54	-18.58	-	-	0	101	H
			* 9.074899	55.63	PK-U	36.3	-45.26	0	46.67	-	-	74	-27.33	0	101	H
			* 9.072139	44.27	ADR	36.3	-45.35	1.08	36.3	54	-17.7	-	-	0	101	H
			* 11.38478	55.77	PK-U	38	-44.93	0	48.84	-	-	74	-25.16	0	101	H
			* 11.378007	44.13	ADR	37.9	-44.87	1.08	38.24	54	-15.76	-	-	0	101	H
			* 7.487228	57.4	PK-U	35.6	-46.76	0	46.24	-	-	74	-27.76	0	200	V
			* 7.492868	45.4	ADR	35.6	-46.8	1.08	35.28	54	-18.72	-	-	0	200	V
			* 9.072589	55.55	PK-U	36.3	-45.35	0	46.5	-	-	74	-27.5	0	101	V
			* 9.073184	44.26	ADR	36.3	-45.33	1.08	36.31	54	-17.69	-	-	0	101	V
			* 11.385042	55.27	PK-U	38	-44.94	0	48.33	-	-	74	-25.67	0	200	V
			* 11.371797	43.97	ADR	37.9	-44.8	1.08	38.15	54	-15.85	-	-	0	200	V
		5844	2.93921	60.68	PK-U	32.8	-49.52	0	43.96	-	-	68.2	-24.24	0	199	H
			2.928283	60.65	PK-U	32.8	-49.29	0	44.16	-	-	68.2	-24.04	0	199	V
			11.706477	58.87	PK-U	38.5	-45.95	0	51.42	-	-	74	-22.58	0	199	H
			11.703095	46.48	ADR	38.5	-45.72	1.08	40.34	54	-13.66	-	-	0	199	H
			11.690371	58.95	PK-U	38.4	-45.67	0	51.68	-	-	74	-22.32	0	199	V
			11.70602	46.54	ADR	38.5	-46	1.08	40.12	54	-13.88	-	-	0	199	V
			17.514454	58.8	PK-U	41	-44.14	0	55.66	-	-	68.2	-12.54	0	199	H
			17.529716	59.21	PK-U	41	-43.86	0	56.35	-	-	68.2	-11.85	0	199	V

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

PK-U - U-NII: Maximum Peak

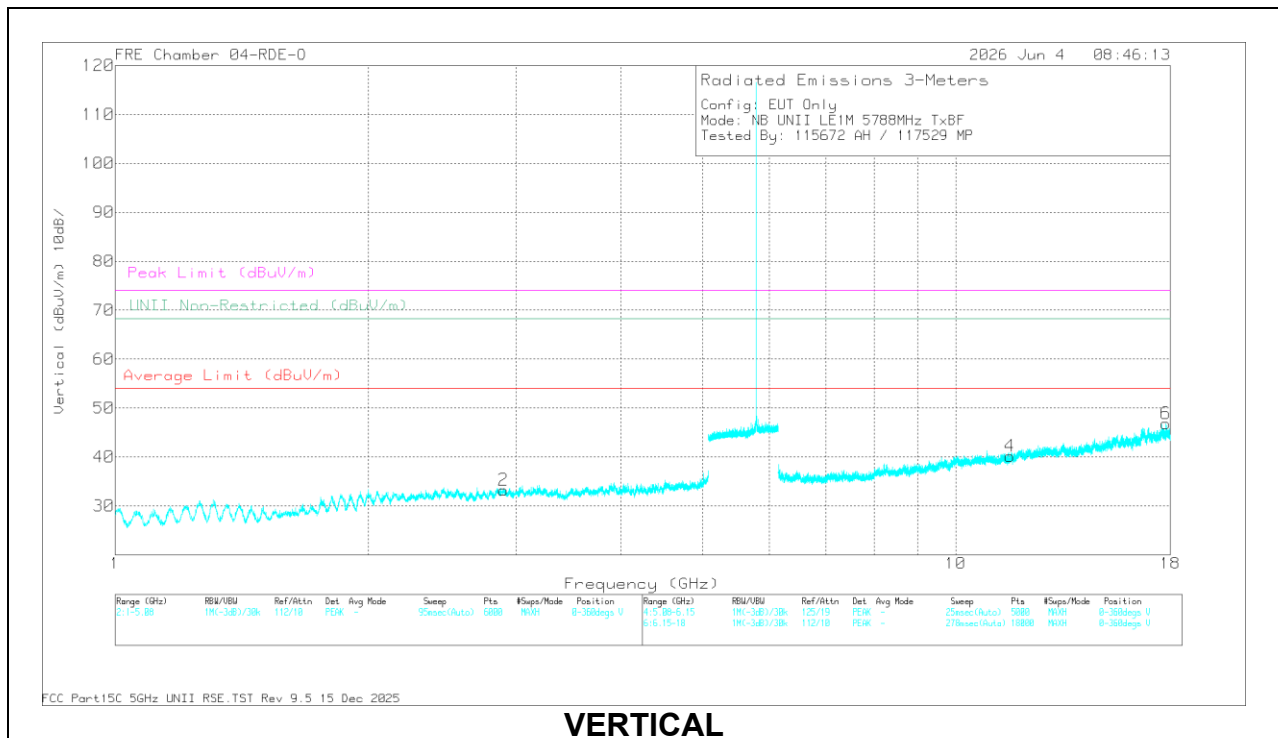
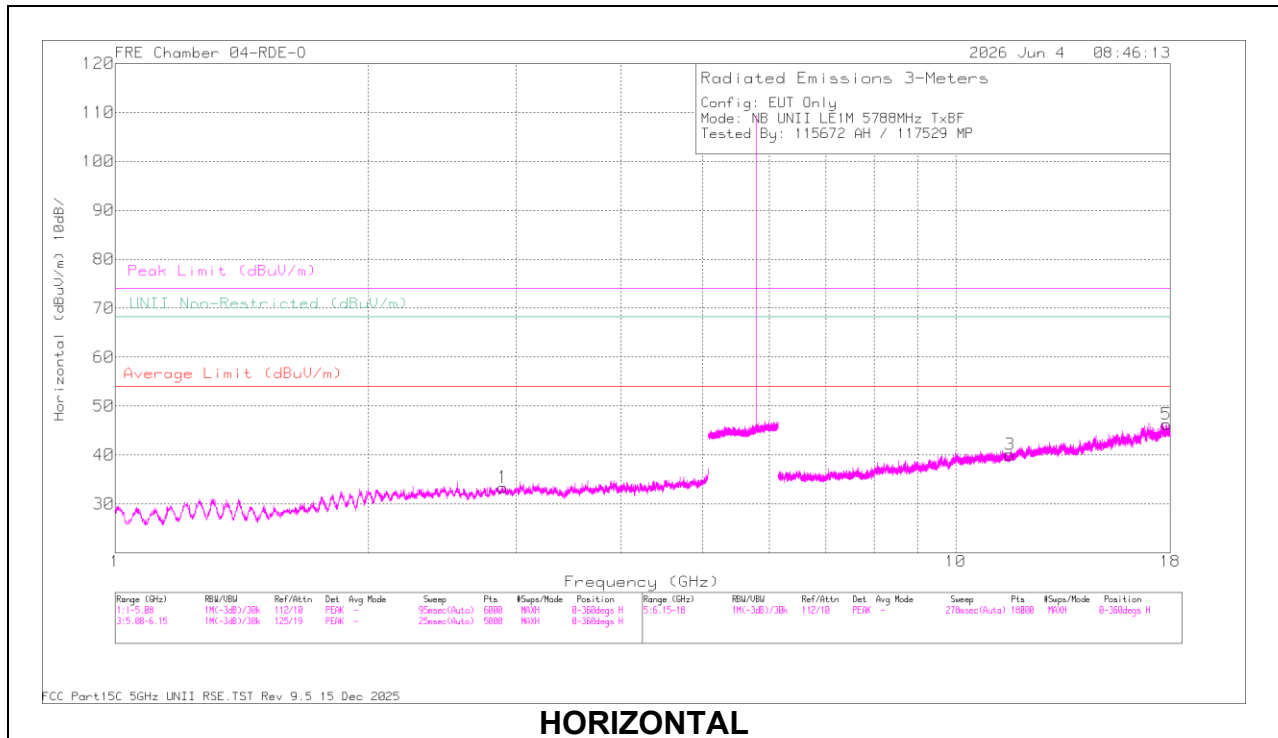
ADR - U-NII AD primary method, RMS average

UNII-3 (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
XHDRPL12	5733	6 + 16	* 11.451799	53.72	PK-U	38.2	-41.78	0	50.14	-	-	74	-23.86	1	101	H
			* 11.456507	53.62	PK-U	38.2	-41.76	0	50.06	-	-	74	-23.94	1	200	V
			* 11.459937	41.95	ADR	38.2	-41.75	0.5	38.9	54	-15.1	-	-	1	101	H
			* 11.468027	42	ADR	38.2	-41.72	0.5	38.98	54	-15.02	-	-	1	200	V
			* 17.710017	54.87	PK-U	41.8	-40.91	0	55.76	-	-	74	-18.24	1	200	V
			* 17.710257	43.22	ADR	41.8	-40.91	0.5	44.61	54	-9.39	-	-	1	200	V
			13.904782	54.98	PK-U	39.1	-41.83	0	52.25	-	-	68.2	-15.95	1	200	V
			13.917875	54.82	PK-U	39.1	-41.82	0	52.1	-	-	68.2	-16.1	1	200	H
			17.698207	54.69	PK-U	41.7	-40.95	0	55.44	-	-	68.2	-12.76	1	101	H
			* 11.753344	54.69	PK-U	38.7	-41.66	0	51.73	-	-	74	-22.27	0	200	V
			* 11.763344	41.95	ADR	38.7	-41.67	0.5	39.48	54	-14.52	-	-	0	200	V
			* 11.767391	41.86	ADR	38.7	-41.67	0.5	39.39	54	-14.61	-	-	0	200	H
	5788	6 + 16	* 11.775058	53.71	PK-U	38.7	-41.68	0	50.73	-	-	74	-23.27	0	200	H
			* 9.400384	41.94	ADR	36.5	-42.03	0.5	36.91	54	-17.09	-	-	0	101	H
			* 9.407829	53.69	PK-U	36.5	-42.05	0	48.14	-	-	74	-25.86	0	101	H
			* 9.409715	53.45	PK-U	36.5	-42.05	0	47.9	-	-	74	-26.1	0	200	V
			* 9.412898	41.8	ADR	36.5	-42.06	0.5	36.74	54	-17.26	-	-	0	200	V
			16.689794	55.01	PK-U	41.4	-41.83	0	54.58	-	-	68.2	-13.62	0	101	V
			16.698041	55.39	PK-U	41.5	-41.78	0	55.11	-	-	68.2	-13.09	0	101	H
			* 12.031799	51.9	PK-U	39.5	-38.67	0	52.73	-	-	74	-21.27	360	198	H
			* 12.038172	39.32	ADR	39.5	-38.6	0.5	40.72	54	-13.28	-	-	360	198	H
			* 12.040702	39.47	ADR	39.5	-38.59	0.5	40.88	54	-13.12	-	-	360	198	V
			* 12.055809	51.56	PK-U	39.5	-38.49	0	52.57	-	-	74	-21.43	360	198	V
			* 2.712951	42.59	ADR	32.6	-43.7	0.5	31.99	54	-22.01	-	-	360	198	V
	5844	6 + 16	* 2.713985	54.57	PK-U	32.6	-43.69	0	43.48	-	-	74	-30.52	360	198	V
			* 2.716905	42.69	ADR	32.6	-43.73	0.5	32.06	54	-21.94	-	-	360	198	H
			* 2.720692	54.24	PK-U	32.6	-43.72	0	43.12	-	-	74	-30.88	360	198	H
			* 3.968752	52.17	PK-U	32.8	-42.05	0	42.92	-	-	74	-31.08	360	198	V
			* 3.969646	40.35	ADR	32.8	-42.05	0.5	31.6	54	-22.4	-	-	360	198	H
			* 4.000093	51.94	PK-U	32.8	-41.97	0	42.77	-	-	74	-31.23	360	198	H
			* 4.000739	40.38	ADR	32.8	-41.96	0.5	31.72	54	-22.28	-	-	360	198	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**MIMO TXBF – LE1M Mode - High Power – 5788 MHz****Radiated Emissions**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200896 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 2.893831	56.91	PK-U	32.6	0	-45.84	43.67	-	-	74	-30.33	-	-	0	100	H
	* 2.884224	44.86	ADR	32.6	.71	-45.79	32.38	54	-21.62	-	-	-	-	0	100	H
2	* 2.898345	56.66	PK-U	32.6	0	-45.8	43.46	-	-	74	-30.54	-	-	0	201	V
	2.900085	45.08	ADR	32.6	.71	-45.79	32.6	-	-	-	-	-	-	0	201	V
3	* 11.610701	52.26	PK-U	38.1	0	-40.12	50.24	-	-	74	-23.76	-	-	0	100	H
	* 11.585928	40.71	ADR	38.1	.71	-40.34	39.18	54	-14.82	-	-	-	-	0	100	H
4	* 11.586535	52.67	PK-U	38.1	0	-40.31	50.46	-	-	74	-23.54	-	-	0	201	V
	* 11.595451	40.75	ADR	38.1	.71	-40.08	39.48	54	-14.52	-	-	-	-	0	201	V
5	* 17.823893	52.42	PK-U	41.4	0	-38	55.82	-	-	74	-18.18	-	-	0	100	H
	* 17.826253	40.68	ADR	41.4	.71	-38.07	44.72	54	-9.28	-	-	-	-	0	100	H
6	* 17.79569	52.46	PK-U	41.4	0	-37.5	56.36	-	-	74	-17.64	-	-	0	200	V
	* 17.785652	40.42	ADR	41.4	.71	-38.02	44.51	54	-9.49	-	-	-	-	0	200	V

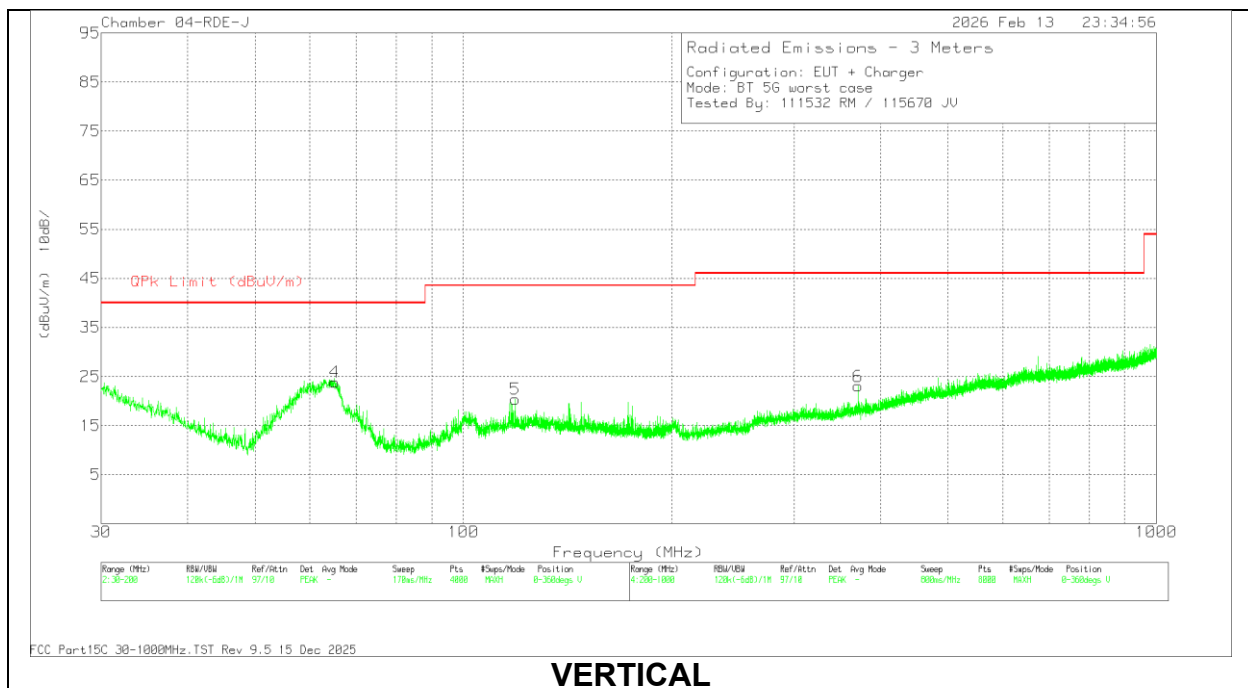
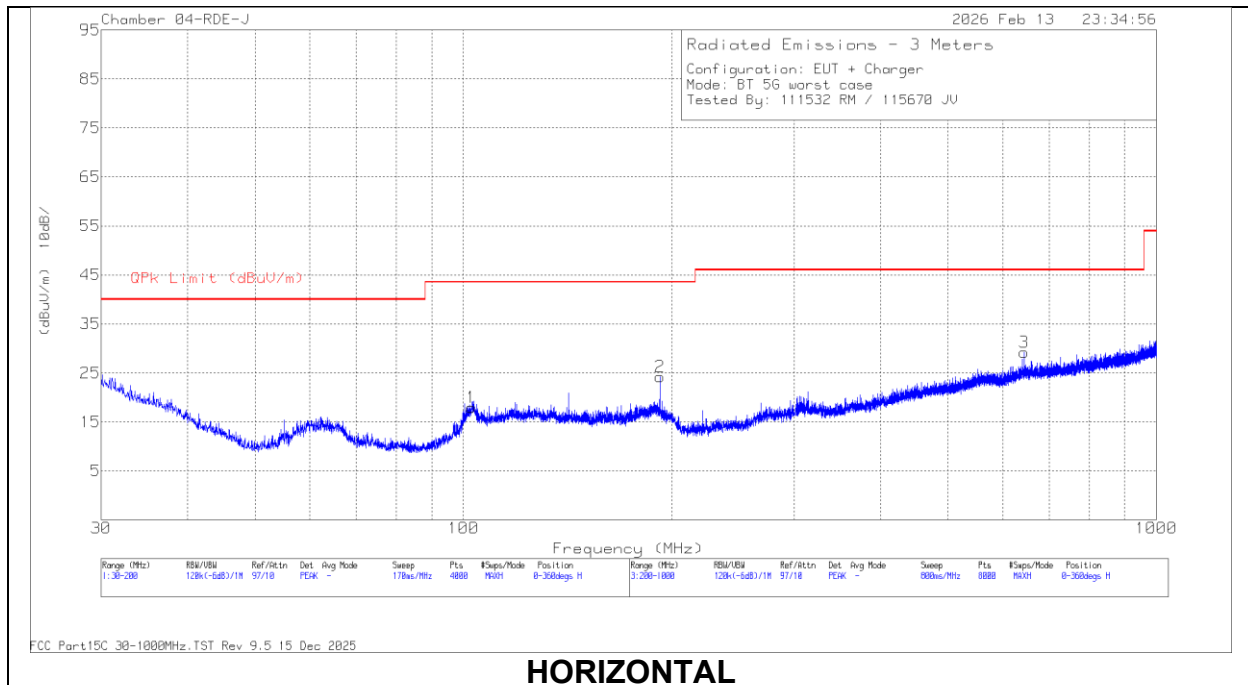
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.2. WORST CASE BELOW 1 GHz

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



Below 1GHz Data**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	202329 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	102.651	32.21	Pk	17	-31.2	18.01	43.52	-25.51	0-360	298	H
2	192.094	37.65	Pk	17.3	-30.7	24.25	43.52	-19.27	0-360	198	H
3	644.558	33.17	Pk	25.5	-29.4	29.27	46.02	-16.75	0-360	299	H
4	65.1566	41.51	Pk	13.8	-31.5	23.81	40	-16.19	0-360	101	V
5	* 118.678	31.79	Pk	19.7	-31.1	20.39	43.52	-23.13	0-360	101	V
6	371.222	32.32	Pk	20.7	-30	23.02	46.02	-23	0-360	299	V

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

Pk - Peak detector

Radiated Emissions

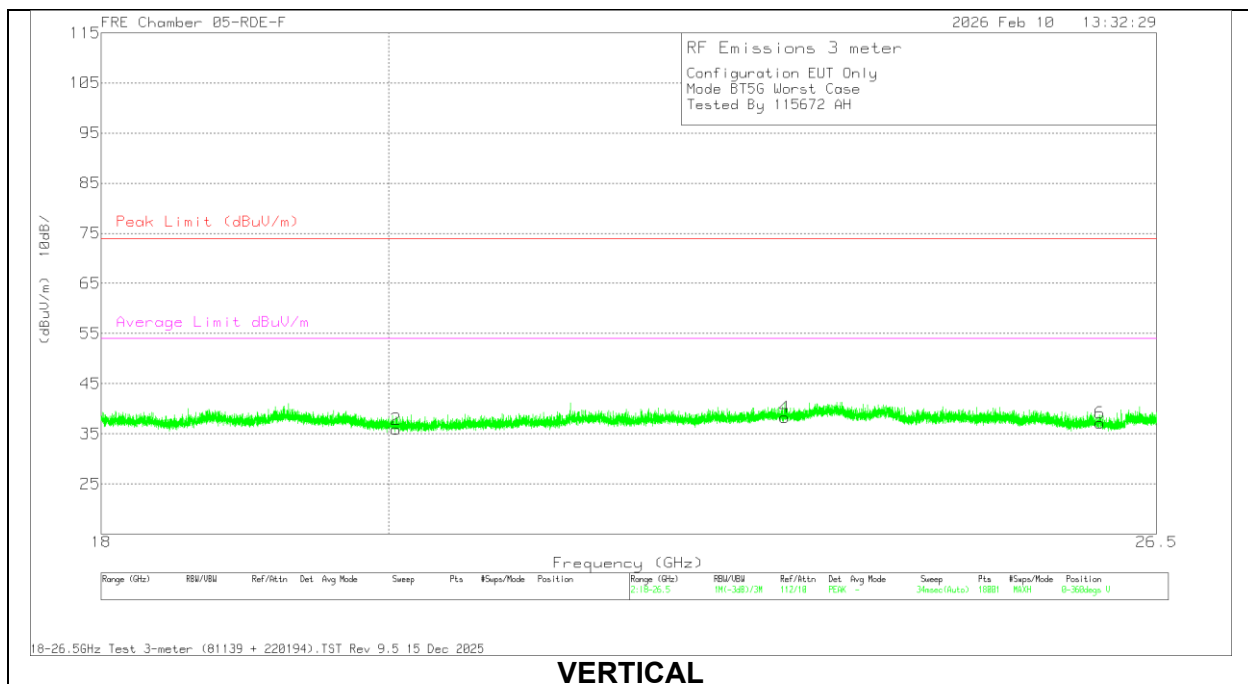
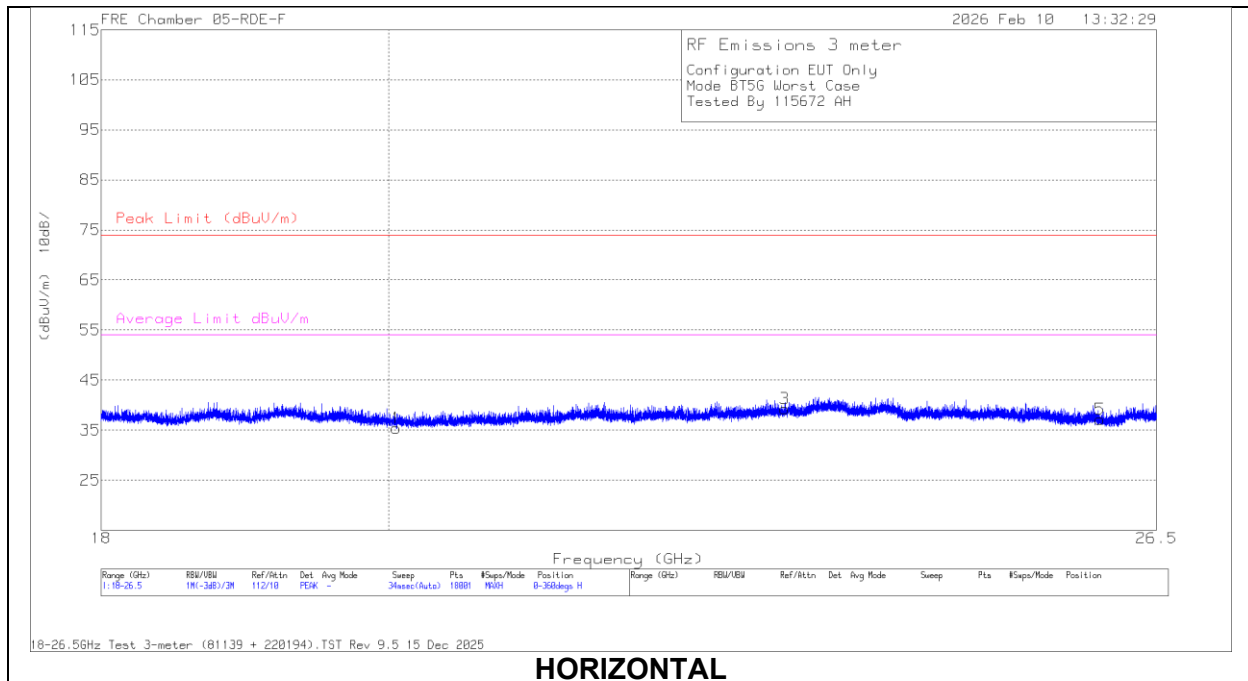
Frequency (MHz)	Meter Reading (dBuV)	Det	202329 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
65.0254	41.95	Pk	13.8	-31.5	24.25	40	-15.75	27	101	V
65.0254	37.9	Qp	13.8	-31.5	20.2	40	-19.8	27	101	V

Pk - Peak detector

Qp - Quasi-Peak detector

9.3. WORST CASE 18-26 GHz

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



18 – 26GHz Data

Trace Markers

Range 1: Horizontal 18 - 26.5GHz													
Marker	Frequency (GHz)	Marker Reading (dBm)	Det	81139 ACF (dBm)	CSLI/AMP (dB)	Cstl (dB)	DCCF (dB)	Corrected Reading (dBm)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit (dBuV/m)	Margin (dB)	Altitude (Feet)
1	* 20.055582	51.74	PK	32.7	-62.5	13.5	0	35.44	74	-38.56	-	-	0-360
3	23.125625	54.18	PK	33.2	-62.7	14.6	0	39.28	74	-34.74	-	-	0-360
5	25.957113	50.38	PK	34	-62.8	15.6	0	37.18	74	-36.82	-	-	0-360

Range 2: Vertical 18 - 26.5GHz													
Marker	Frequency (GHz)	Marker Reading (dBm)	Det	81139 ACF (dBm)	CSLI/AMP (dB)	Cstl (dB)	DCCF (dB)	Corrected Reading (dBm)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit (dBuV/m)	Margin (dB)	Altitude (Feet)
2	* 20.055582	52.21	PK	32.7	-62.5	13.5	0	35.91	74	-38.09	-	-	0-360
4	23.125625	53.2	PK	33.2	-62.7	14.6	0	38.3	74	-35.7	-	-	0-360
6	25.957113	50.38	PK	34	-62.8	15.6	0	37.18	74	-38.84	-	-	0-360

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

Radiated Emissions

Range 1: Horizontal 18 - 26.5GHz													
Frequency (GHz)	Marker Reading (dBuV)	Det	81139 ACF (dBm)	CSLI/AMP (dB)	Cstl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit (dBuV/m)	Margin (dB)	Altitude (Feet)	Polarity
* 20.058469	55.35	PK-U	32.7	-62.5	13.5	0	39.15	74	-34.85	-	-	1	101
* 20.056385	43.86	ADR	32.7	-62.5	13.5	1.15	28.71	-	-	54	-25.29	1	101
23.124956	56.07	PK-U	33.2	-62.7	14.6	0	41.17	74	-32.83	-	-	1	101
23.126384	44.37	ADR	33.2	-62.7	14.6	1.15	30.62	-	-	54	-23.38	1	101
25.957156	52.65	PK-U	34	-62.8	15.6	0	39.49	74	-34.55	-	-	1	200
25.957837	41.04	ADR	34	-62.8	15.6	1.15	28.99	-	-	54	-25.01	1	200

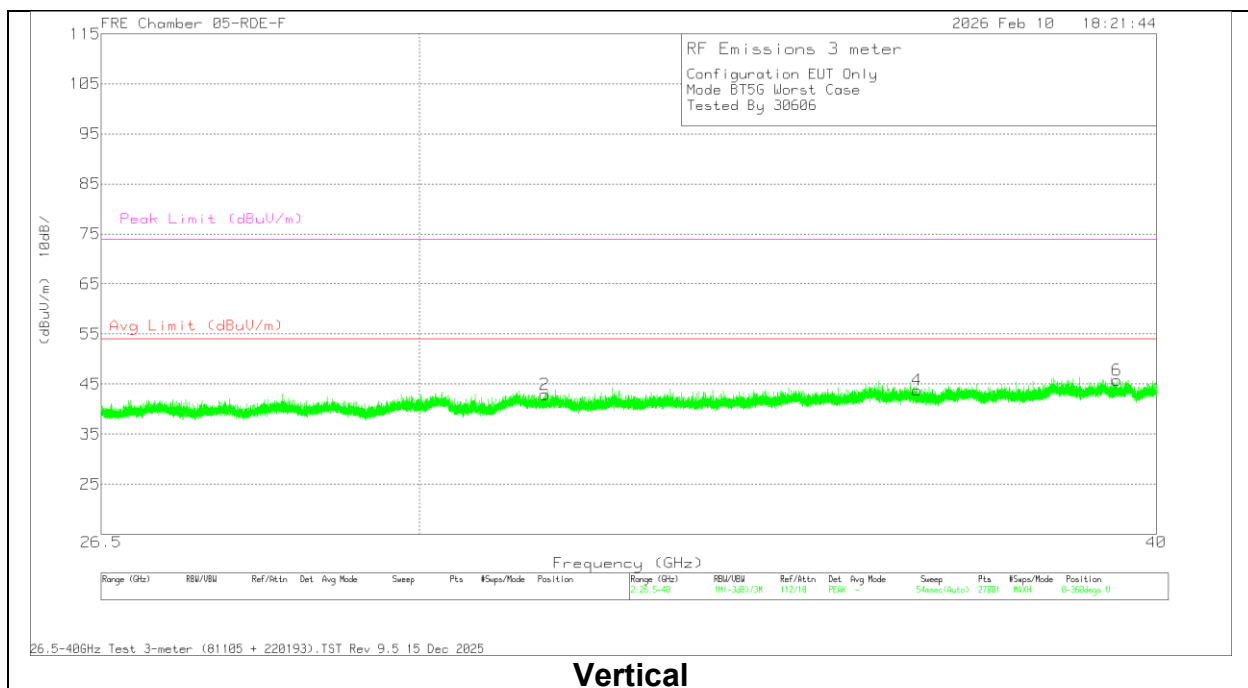
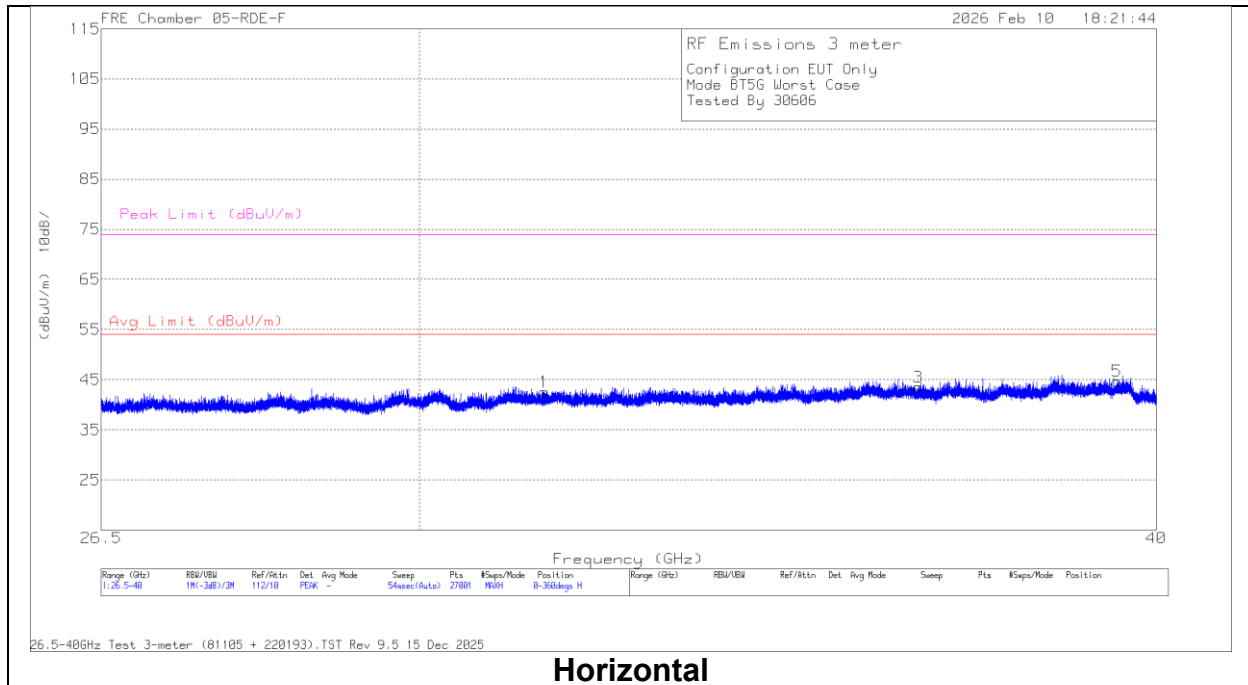
Range 2: Vertical 18 - 26.5GHz													
Frequency (GHz)	Marker Reading (dBuV)	Det	81139 ACF (dBm)	CSLI/AMP (dB)	Cstl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit (dBuV/m)	Margin (dB)	Altitude (Feet)	Polarity
* 20.056889	55.05	PK-U	32.7	-62.5	13.5	0	38.75	74	-35.25	-	-	1	200
* 20.056262	43.48	ADR	32.7	-62.5	13.5	1.15	28.43	-	-	54	-25.57	1	200
23.126234	55.9	PK-U	33.2	-62.7	14.6	0	41	74	-33	-	-	1	200
23.127556	44.19	ADR	33.2	-62.7	14.6	1.15	30.44	-	-	54	-23.56	1	200
25.956598	52.95	PK-U	34	-62.8	15.6	0	39.75	74	-34.25	-	-	1	200
25.960373	41.09	ADR	34	-62.8	15.6	1.15	29.04	-	-	54	-24.96	1	200

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

9.4. WORST CASE 26-40 GHz

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

HORIZONTAL



26 – 40GHz Data

Trace Markers

Range 1: Horizontal 26.5 - 40GHz													
Marker	Frequency (GHz)	Marker Reading (dBm)	Det	E105 ACF (dBm)	CBLIAMP (dB)	Cbl (dB)	DOCF (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Altitude (ft)
1	* 31.5025	-50.16	PK	36.5	-61.5	17.4	0	-52.66	-	-	74	-31.44	0-360
3	* 36.45	-52.88	PK	37.4	-65.8	19	0	-43.48	-	-	74	-30.52	0-360
5	* 39.3895	-50.63	PK	38	-64.3	20.1	0	-44.83	-	-	74	-29.37	0-360

Range 2: Vertical 26.5 - 40GHz													
Marker	Frequency (GHz)	Marker Reading (dBm)	Det	E105 ACF (dBm)	CBLIAMP (dB)	Cbl (dB)	DOCF (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Altitude (ft)
2	* 31.509	-50.54	PK	36.5	-61.5	17.4	0	-42.94	-	-	74	-31.06	0-360
4	* 36.4335	-53.33	PK	37.3	-65.8	19	0	-43.83	-	-	74	-30.17	0-360
6	* 39.389	-51.99	PK	38	-64.3	20.1	0	-45.79	-	-	74	-29.21	0-360

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

PK - Peak detector

Radiated Emissions

Range 1: Horizontal 26.5 - 40GHz													
Frequency (GHz)	Marker Reading (dBm)	Det	E105 ACF (dBm)	CBLIAMP (dB)	Cbl (dB)	DOCF (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Altitude (ft)	Polarity
* 31.50113	-51.3	PK-U	36.5	-61.5	17.4	0	-43.7	-	-	74	-30.3	360	H
* 31.49997	-39.61	ADR	36.5	-61.5	17.4	1.15	33.16	54	-20.84	-	-	360	H
* 36.44992	-55.26	PK-U	37.3	-65.8	19	0	-45.76	-	-	74	-28.24	360	H
* 36.448485	-43.04	ADR	37.3	-65.8	19	1.15	34.69	54	-19.31	-	-	360	H
* 39.390521	-52.73	PK-U	38	-64.3	20.1	0	-46.53	-	-	74	-27.47	360	H
* 39.389541	-40.7	ADR	38	-64.3	20.1	1.15	35.65	54	-18.35	-	-	360	H

Range 2: Vertical 26.5 - 40GHz													
Frequency (GHz)	Marker Reading (dBm)	Det	E105 ACF (dBm)	CBLIAMP (dB)	Cbl (dB)	DOCF (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Altitude (ft)	Polarity
* 31.509028	-50.9	PK-U	36.5	-61.5	17.4	0	-43.3	-	-	74	-30.7	360	V
* 31.507793	-38.76	ADR	36.5	-61.5	17.4	1.15	32.31	54	-21.69	-	-	360	V
* 36.431324	-53.98	PK-U	37.3	-65.8	19	0	-44.48	-	-	74	-29.52	360	V
* 36.432097	-41.93	ADR	37.3	-65.8	19	1.15	33.58	54	-20.42	-	-	360	V
* 39.389644	-52.12	PK-U	38	-64.3	20.1	0	-45.62	-	-	74	-28.08	360	V
* 39.389647	-40.29	ADR	38	-64.3	20.1	1.15	35.24	54	-18.76	-	-	360	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10. 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.

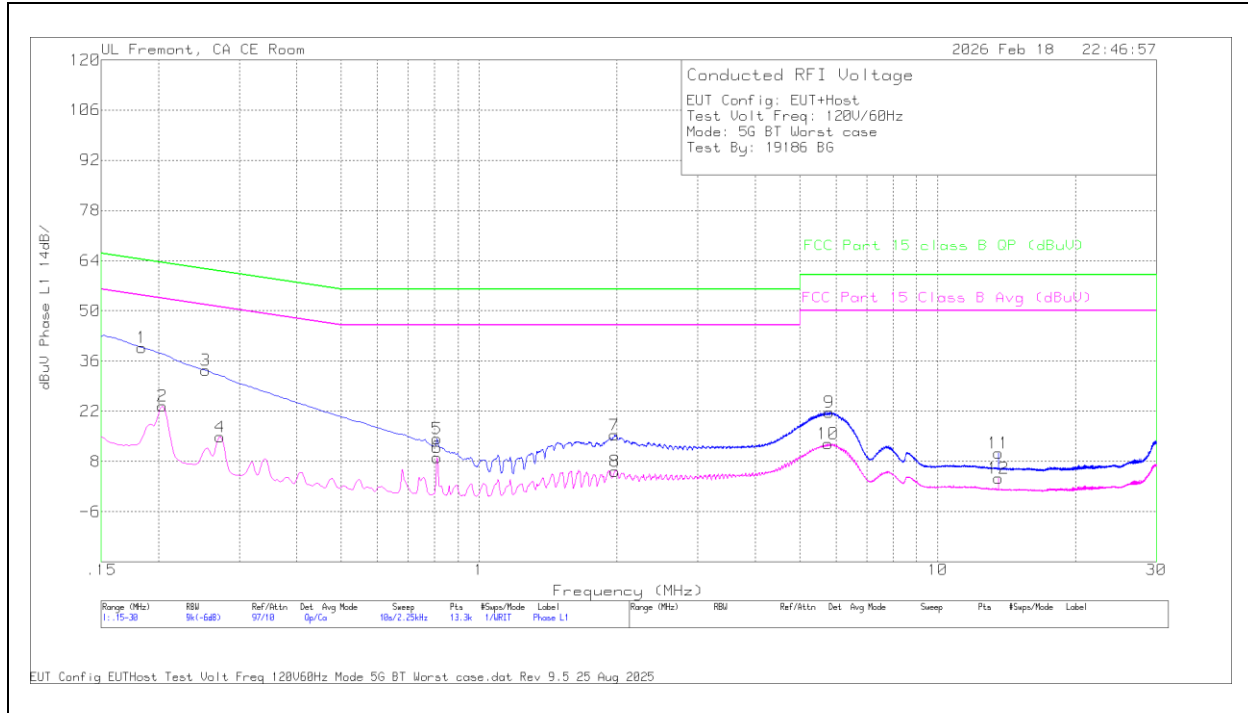
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

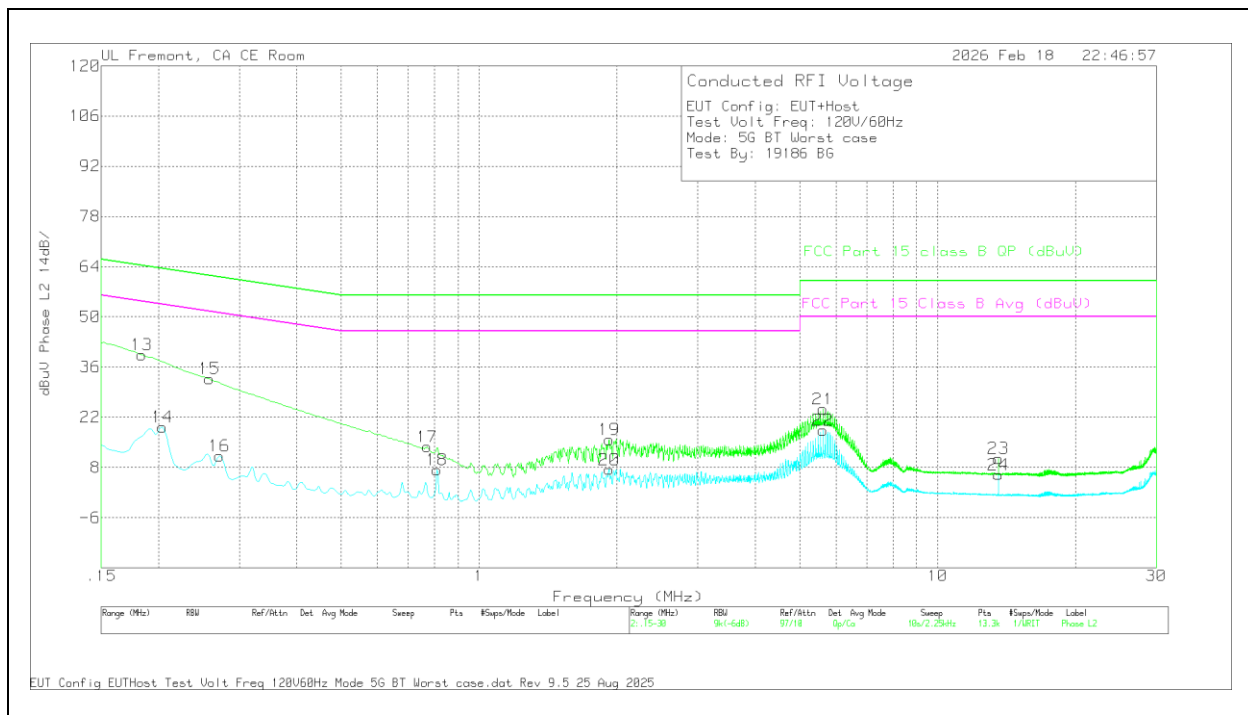
RESULTS

10.1. AC POWER LINE WITH LAPTOP

LINE 1 RESULTS



LINE 2 RESULTS



Trace Markers

Range 1: Phase L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	10dB Atten (dB)	Corrected Reading dBuV	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
2	.204	13.41	Ca	0	0	10	23.41	53.45	-30.04	-	-
4	.2726	4.79	Ca	0	0	10	14.79	51.04	-36.25	-	-
6	.8093	-97	Ca	.1	0	10	9.13	46	-36.87	-	-
8	1.977	-4.93	Ca	.1	0	10	5.17	46	-40.83	-	-
10	5.7638	2.69	Ca	.2	0	10	12.89	50	-37.11	-	-
12	13.56	-6.95	Ca	.2	.1	10	3.35	50	-46.65	-	-
1	.1838	29.59	Qp	0	.1	10	39.69	-	-	64.31	-24.62
3	.2535	23.37	Qp	0	0	10	33.37	-	-	61.64	-28.27
5	.8093	4.27	Qp	.1	0	10	14.37	-	-	56	-41.63
7	1.9748	5.21	Qp	.1	0	10	15.31	-	-	56	-40.69
9	5.8065	11.49	Qp	.2	0	10	21.69	-	-	60	-38.31
11	13.56	.02	Qp	.2	.1	10	10.32	-	-	60	-49.68

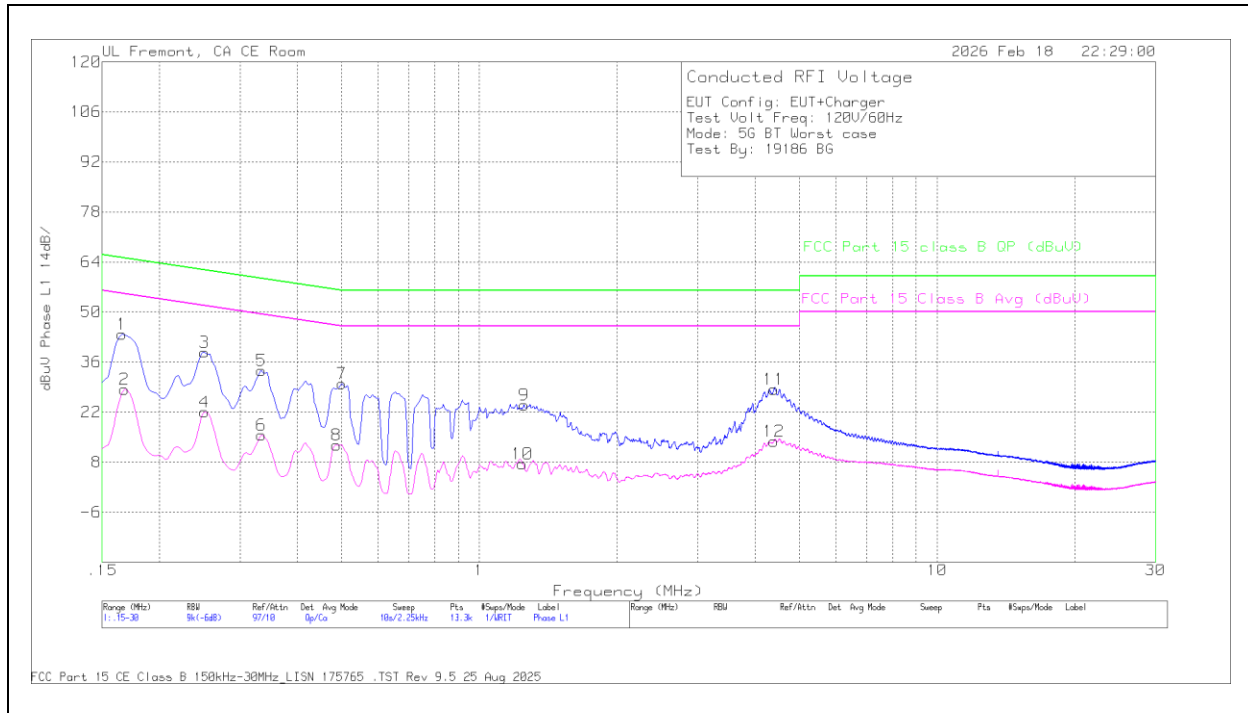
Range 2: Phase L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	10dB Atten (dB)	Corrected Reading dBuV	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
14	.204	9.19	Ca	0	0	10	19.19	53.45	-34.26	-	-
16	.2715	1.21	Ca	0	0	10	11.21	51.07	-39.86	-	-
18	.8093	-2.77	Ca	.1	0	10	7.33	46	-38.67	-	-
20	1.9208	-2.69	Ca	.1	0	10	7.41	46	-38.59	-	-
22	5.6243	8.17	Ca	.2	0	10	18.37	50	-31.63	-	-
24	13.56	-4.3	Ca	.2	.1	10	6	50	-44	-	-
13	.1838	29.36	Qp	0	0	10	39.36	-	-	64.31	-24.95
15	.258	22.69	Qp	0	0	10	32.69	-	-	61.5	-28.81
17	.771	3.63	Qp	.1	0	10	13.73	-	-	56	-42.27
19	1.9208	5.66	Qp	.1	0	10	15.76	-	-	56	-40.24
21	5.622	14.05	Qp	.2	0	10	24.25	-	-	60	-35.75
23	13.56	.16	Qp	.2	.1	10	10.46	-	-	60	-49.54

Qp - Quasi-Peak detector

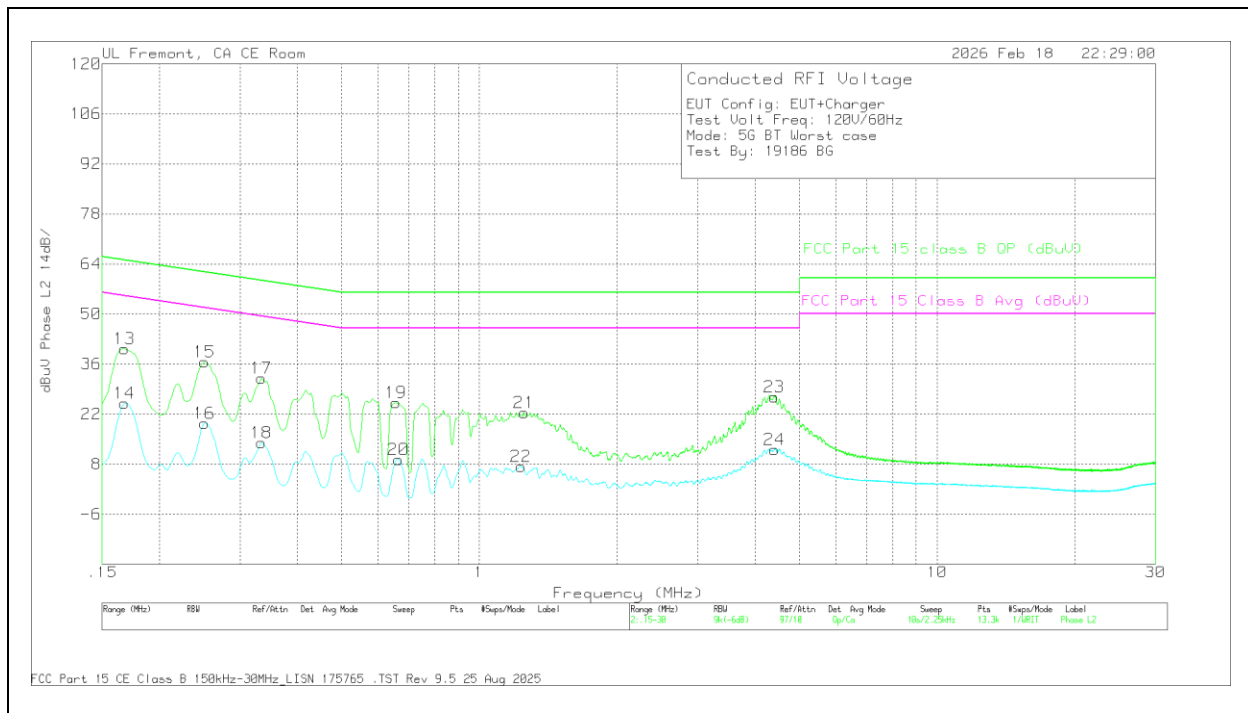
Ca - CISPR average detection

10.2. AC POWER LINE WITH AC/DC ADAPTER

LINE 1 RESULTS



LINE 2 RESULTS



Trace Markers

Range 1: Phase L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	10dB Atten (dB)	Corrected Reading dBuV	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
2	.168	18.2	Ca	0	.1	10	28.3	55.06	-26.76	-	-
4	.2513	11.97	Ca	0	0	10	21.97	51.72	-29.75	-	-
6	.3345	5.51	Ca	0	0	10	15.51	49.34	-33.83	-	-
8	.4875	2.78	Ca	0	0	10	12.78	46.21	-33.43	-	-
10	1.2435	-2.53	Ca	.1	0	10	7.57	46	-38.43	-	-
12	4.3958	3.71	Ca	.1	0	10	13.81	46	-32.19	-	-
1	.1658	33.64	Qp	0	.1	10	43.74	-	-	65.17	-21.43
3	.2513	28.77	Qp	0	0	10	38.77	-	-	61.72	-22.95
5	.3345	23.55	Qp	0	0	10	33.55	-	-	59.34	-25.79
7	.501	19.94	Qp	0	0	10	29.94	-	-	56	-26.06
9	1.2525	13.88	Qp	.1	0	10	23.98	-	-	56	-32.02
11	4.3935	18.23	Qp	.1	0	10	28.33	-	-	56	-27.67

Range 2: Phase L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	10dB Atten (dB)	Corrected Reading dBuV	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
14	.168	14.95	Ca	0	.1	10	25.05	55.06	-30.01	-	-
16	.2513	9.39	Ca	0	0	10	19.39	51.72	-32.33	-	-
18	.3345	3.99	Ca	0	0	10	13.99	49.34	-35.35	-	-
20	.6653	-.79	Ca	.1	0	10	9.31	46	-36.69	-	-
22	1.2323	-2.76	Ca	.1	0	10	7.34	46	-38.66	-	-
24	4.4081	1.98	Ca	.1	0	10	12.08	46	-33.92	-	-
13	.168	30.24	Qp	0	.1	10	40.34	-	-	65.06	-24.72
15	.2513	26.57	Qp	0	0	10	36.57	-	-	61.72	-25.15
17	.3345	21.99	Qp	0	0	10	31.99	-	-	59.34	-27.35
19	.6585	15.11	Qp	.1	0	10	25.21	-	-	56	-30.79
21	1.2525	12.37	Qp	.1	0	10	22.47	-	-	56	-33.53
23	4.407	16.69	Qp	.1	0	10	26.79	-	-	56	-29.21

Qp - Quasi-Peak detector

Ca - CISPR average detection

11. SETUP PHOTOS

Please refer to 15982152-EP1 for setup photos.

12. APPENDIX A – SPOT CHECK EVALUATION

12.1. MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3472, A3713, A3714 and A3715. These models are very similar, with only the following differences.

Model	FCC ID	Feature Difference	Sim Support	Reference Model
A3472	BCG-E9186A	-With FR2 -No LTE B11, B21	eSIM	-
A3713	BCG-E9192A	-Without FR2 -Added LTE B11, B21	eSIM	A3472
A3714	BCG-E9193A	-Without FR2 -No LTE/5GNR B14, B29, B71 -No LTE B11, B21	eSIM	
A3715	BCG-E9194A	-Without FR2 -No LTE/5GNR B14, B29, B71, B53 -No LTE B11, B21, MSS	pSIM+pSIM	

Note:

- All Models use the same System, Cellular and Connectivity radio electrical schematics.
- Removal of LTE/ 5GNR bands on models either done by software or de-population of related components. For models without FR2 may have different antenna gains on certain bands. Please refer to data reuse test plan for details.
- 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 A3713

A3713 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Modulation	Test Item		Channel	Measured Frequency (GHz)	Original Model: A3472	Sub Model: A3713	Delta (dB)	Margin	Remarks
								FCC ID : BCG-E9186A	FCC ID : BCG-E9192A			
NII / NB UNII-1 & UNII-3	5150 - 5250 UNII - 1	High Power (2TX)	HDRPM12	Avg Power (dBm)	Fundamental	High	5.242	15.00	14.88	-0.12	-9.00	Note 1
		High Power (2TX)	XHDRPL12	Avg Radiated Bandedge (dBm)	Horizontal Low Bandedge	Low	5.149668	51.18	52.05	0.87	-2.82	Note 1
		High Power (2TX)	LE1M	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	High	15.735382	46.27	43.51	-2.76	-7.73	Note 1
	5725 - 5825 UNII 3	High Power (2TX)	BDR	Avg Power (dBm)	Fundamental	High	5.844	22.00	21.96	-0.04	-8.00	Note 1
		High Power (ANT 6)	BDR	Pk Radiated Bandedge (dBm)	Horizontal High Bandedge	High	5.733	-35.47	-37.54	-2.07	-8.47	Note 1
		High Power (2TX)	LE1M	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	High	17.826253	44.72	45.22	0.50	-9.28	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 A3714

Equipment Class / Technology	Frequency (GHz)	Mode	Modulation	Test Item		Channel	Measured Frequency (GHz)	Original Model: A3472	Sub Model: A3714	Delta (dB)	Margin	Remarks
								FCC ID : BCG-E9186A	FCC ID : BCG-E9193A			
NII / NB UNII-1 & UNII-3	5150 - 5250 UNII - 1	High Power (2TX)	HDRPM12	Avg Power (dBm)	Fundamental	High	5.242	15.00	14.96	-0.04	-9.00	Note 1
		High Power (2TX)	XHDRPL12	Avg Radiated Bandedge (dBm)	Horizontal Low Bandedge	Low	5.149668	51.18	49.03	-2.15	-2.82	Note 1
		High Power (2TX)	LE1M	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	High	15.735382	46.27	43.33	-2.94	-7.73	Note 1
	5725 - 5825 UNII 3	High Power (2TX)	BDR	Avg Power (dBm)	Fundamental	High	5.844	22.00	21.98	-0.02	-8.00	Note 1
		High Power (ANT 6)	BDR	Pk Radiated Bandedge (dBm)	Horizontal High Bandedge	High	5.733	-35.47	-37.15	-1.68	-8.47	Note 1
		High Power (2TX)	LE1M	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	High	17.826253	44.72	47.25	2.53	-9.28	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 A3715

A3715 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Modulation	Test Item		Channel	Measured Frequency (GHz)	Original Model: A3472	Sub Model: A3715	Delta (dB)	Margin	Remarks
								FCC ID : BCG-E9186A	FCC ID : BCG-E9194A			
NII / NB UNII-1 & UNII-3	5150 - 5250 UNII - 1	High Power (2TX)	HDRPM12	Avg Power (dBm)	Fundamental	High	5.242	15.00	14.94	-0.06	-9.00	Note 1
		High Power (2TX)	XHDRPL12	Avg Radiated Bandedge (dBm)	Horizontal Low Bandedge	Low	5.149668	51.18	50.31	-0.87	-2.82	Note 1
		High Power (2TX)	LE1M	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	High	15.735382	46.27	43.39	-2.88	-7.73	Note 1
	5725 - 5825 UNII 3	High Power (2TX)	BDR	Avg Power (dBm)	Fundamental	High	5.844	22.00	21.86	-0.14	-8.00	Note 1
		High Power (ANT 6)	BDR	Pk Radiated Bandedge (dBm)	Horizontal High Bandedge	High	5.733	-35.47	-34.45	1.02	-8.47	Note 1
		High Power (2TX)	LE1M	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	High	17.826253	44.72	46.61	1.89	-9.28	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.