

TEST REPORT

Report Number: 15982168-E7V2

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

Model : A3716 (Parent)
A3717, A3718 (Variants)

Brand : APPLE

FCC ID : BCG-E9195A (Parent)
BCG-E9196A, BCG-E9197A (Variants)

EUT Description : SMARTPHONE

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

Date Of Issue:
2026-08-06

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REPORT REVISION HISTORY

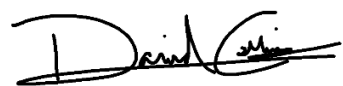
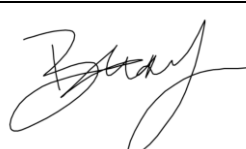
Rev.	Issue Date	Revisions	Revised By
V1	2026-07-31	Initial Review	---
V2	2026-08-06	Addressed TCB Comments in Sections 6, 7, 8, Appendix A	Benjamin Dobbins

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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPLE INC. 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.	
Model	A3716 (Parent) A3717, A3718 (Variants)	
Brand	APPLE	
FCC ID	BCG-E9195A (Parent) BCG-E9196A, BCG-E9197A (Variants)	
EUT Description	SMARTPHONE	
Serial Number	HVHSH000370001K2G, HVHHTW0007X0001K2Z, HVHHTW0007X0001K2Z, HVHHTX0006P0001K31 (Conducted) MV30DNP6NT, XRDM0WC3J4, MWLQVVYQ60, CQGT09XMM (Radiated)	
Sample Receipt Date	2026-04-30	
Date Tested	2026-04-30 to 2026-07-31	
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:	Prepared By:	Reviewed By:
		
Thu Chan Staff Engineer UL Verification Services Inc.	David Collins Lab Supervisor UL Verification Services Inc.	Becky Yu Laboratory Engineer UL Verification Services Inc.

2. TEST RESULT SUMMARY

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

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

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

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

3. TEST METHODOLOGY

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

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

4. FACILITIES AND ACCREDITATION

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

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

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

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

5.2. DECISION RULES

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

5.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	U _{LAB}
Conducted Antenna Port Emission Measurement	1.94 dB
Power Spectral Density	2.47 dB
Time Domain Measurements Using SA	3.39 %
RF Power Measurement Direct Method Using Power Meter	1.30 (Peak), 0.45 (Ave)
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.2%
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.78 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.40 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.87 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	6.01 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.51 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.29 dB

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

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)
 $36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} = 28.9 \text{ dBuV/m}$

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, 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

UNII-1 Frequency Range (MHz)	Mode	Antenna	Configuration	Output Power (dBm)	Output Power (mW)
5162 - 5245	BDR	Ant 6	High Power	9.96	9.91
			Low Power	4.47	2.80
		Ant 16	High Power	9.97	9.93
			Low Power	4.24	2.65
		BF, Ant 6 + Ant 16	High Power	9.99	9.98
			Low Power	7.37	5.46
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	4.24	2.65
		BF, Ant 6 + Ant 16	High Power	10.24	10.57
			Low Power	7.36	5.45
5162 - 5245	LE2M	Ant 6	High Power	10.99	12.56
			Low Power	4.49	2.81
		Ant 16	High Power	10.97	12.50
			Low Power	4.24	2.65
		BF, Ant 6 + Ant 16	High Power	10.98	12.53
			Low Power	7.37	5.46
5162 - 5245	HDT8	Ant 6	High Power	12.24	16.75
			Low Power	1.48	1.41
		Ant 16	High Power	12.24	16.75
			Low Power	1.24	1.33
		BF, Ant 6 + Ant 16	High Power	12.50	17.78
			Low Power	4.37	2.74
5162 - 5245	HDRPS2	Ant 6	High Power	12.24	16.75
			Low Power	1.48	1.41
		Ant 16	High Power	12.23	16.71
			Low Power	1.24	1.33
		BF, Ant 6 + Ant 16	High Power	12.25	16.79
			Low Power	4.37	2.74
5162 - 5245	HDR8	Ant 6	High Power	14.24	26.55
			Low Power	1.49	1.41
		Ant 16	High Power	14.22	26.42
			Low Power	1.24	1.33
5162 - 5245	HDRPM12	BF, Ant 6 + Ant 16	High Power	15.25	33.50
			Low Power	4.37	2.74
5164 - 5242	HDRPL12	Ant 6	High Power	12.24	16.75
			Low Power	1.48	1.41
		Ant 16	High Power	12.24	16.75
			Low Power	1.23	1.33
		BF, Ant 6 + Ant 16	High Power	15.25	33.50
			Low Power	4.37	2.74

5.8 GHz BAND

UNII-3 Frequency Range (MHz)	Worst-Case Mode	Antenna	Configuration	Output Power (dBm)	Output Power (mW)
5733 - 5844	BDR	Ant 6	High Power	18.74	74.82
			Low Power	4.48	2.81
		Ant 16	High Power	18.99	79.25
			Low Power	4.24	2.65
		BF, Ant 6 + Ant 16	High Power	21.86	153.46
			Low Power	7.33	5.41
5733 - 5844	LE1M	Ant 6	High Power	18.73	74.64
			Low Power	4.48	2.81
		Ant 16	High Power	18.97	78.89
			Low Power	4.24	2.65
		BF, Ant 6 + Ant 16	High Power	21.84	152.76
			Low Power	7.35	5.43
5733 - 5844	LE2M	Ant 6	High Power	18.73	74.64
			Low Power	4.43	2.77
		Ant 16	High Power	18.95	78.52
			Low Power	4.23	2.65
		BF, Ant 6 + Ant 16	High Power	21.86	153.46
			Low Power	7.33	5.41
5733 - 5844	HDT8	Ant 6	High Power	11.73	14.89
			Low Power	1.48	1.41
		Ant 16	High Power	11.99	15.81
			Low Power	1.22	1.32
		BF, Ant 6 + Ant 16	High Power	14.85	30.55
			Low Power	4.33	2.71
5733 - 5844	HDR4	Ant 6	High Power	13.74	23.66
			Low Power	1.49	1.41
		Ant 16	High Power	13.98	25.00
			Low Power	1.23	1.33
		BF, Ant 6 + Ant 16	High Power	16.86	48.53
			Low Power	4.33	2.71
5733 - 5844	HDR8	Ant 6	High Power	13.74	23.66
			Low Power	1.44	1.39
		Ant 16	High Power	13.98	25.00
			Low Power	1.22	1.32
		BF, Ant 6 + Ant 16	High Power	16.84	48.31
			Low Power	4.32	2.70
5733 - 5844	HDRPL12	Ant 6	High Power	11.73	14.89
			Low Power	1.43	1.39
		Ant 16	High Power	11.97	15.74
			Low Power	1.24	1.33
		BF, Ant 6 + Ant 16	High Power	14.83	30.41
			Low Power	4.31	2.70

6.3. DESCRIPTION OF AVAILABLE ANTENNAS AND CABLE LOSS

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

Frequency Range (MHz)	Antenna 6 (dBi)	Antenna 16 (dBi)	Uncorrelated Chains (dBi)	Correlated Chains (dBi)
5150 - 5250 UNII - 1	-3.70	3.00	0.60	2.80
5725 - 5825 UNII 3	-1.40	3.40	1.20	3.80

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 (dB)	Antenna 16 (dB)
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 24A349.

6.5. WORST-CASE CONFIGURATION AND MODE (X/Y/Z!)

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	Y	Y

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

2TX Beamforming modes were used to perform on radiated harmonic spurious final test to cover all SISO modes. Max power was tuned to maximum based among all the modes. For testing purposes, radiated harmonics spurious below 1GHz, 1-18GHz L/M/H channels, 18-40GHz, and power line conducted emissions were performed with the EUT set at the 2TX Beamforming mode with power setting equal or higher than conducted SISO modes as worst-case scenario.

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

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

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

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

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

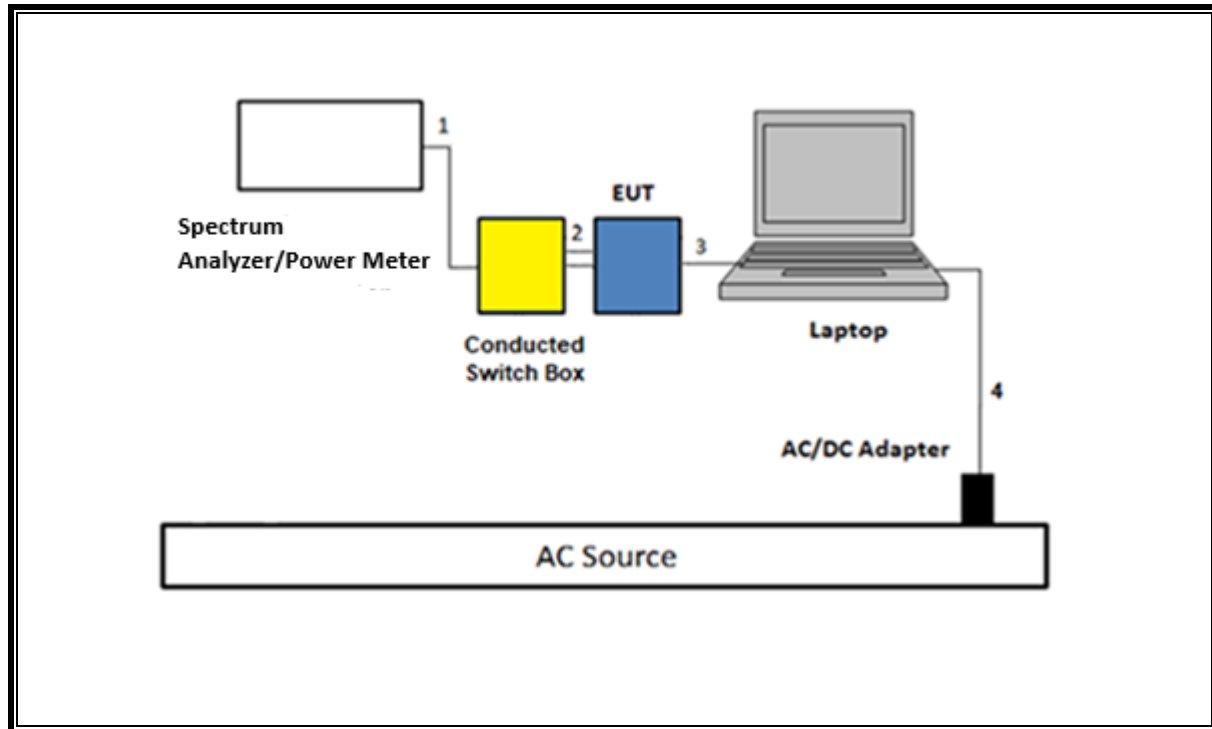
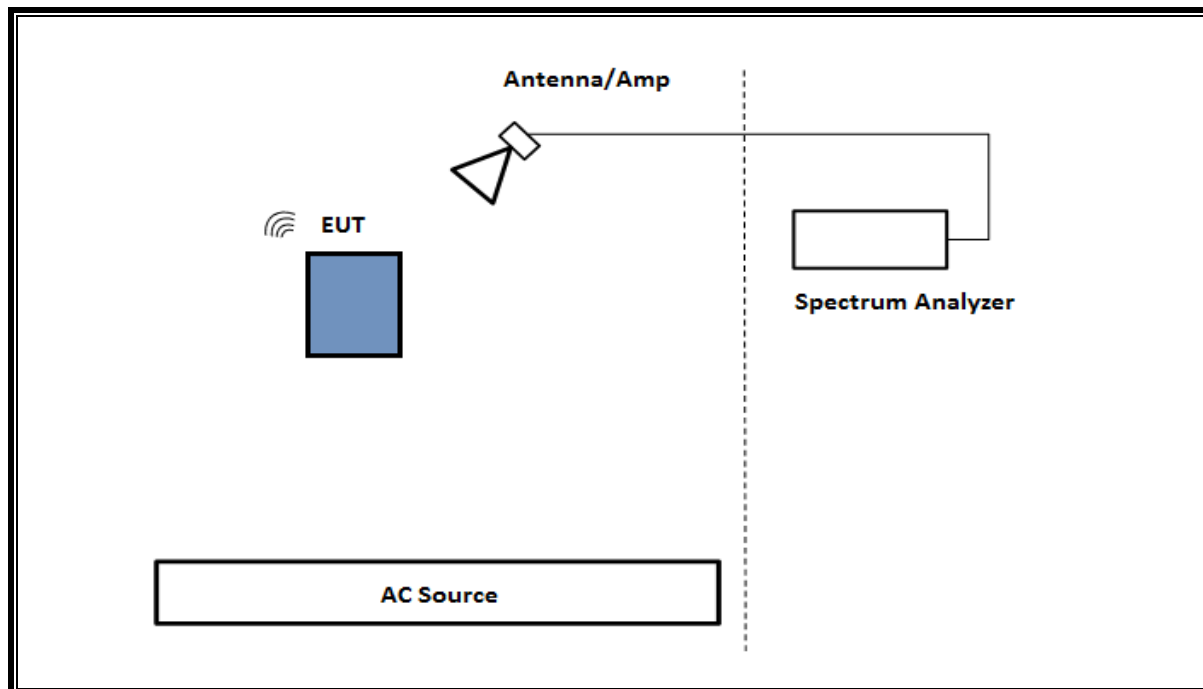
5G		UNII-1			UNII-3		
Mode	Modulation	Frequency Range (MHz)	Worst Case Tone		Frequency Range (MHz)	Worst Case Tone	
			Power	PSD		Power	PSD
BT5G	BDR	5162-5245	X	X	5733-5844	X	X
LE	LE Adv	5162-5245			5733-5844		
	LE1M		X	X		X	X
	LELR125k						
	LELR500k						
	LE2M	5162-5245	X	X	5733-5844	X	X
	HDT2	5162-5245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

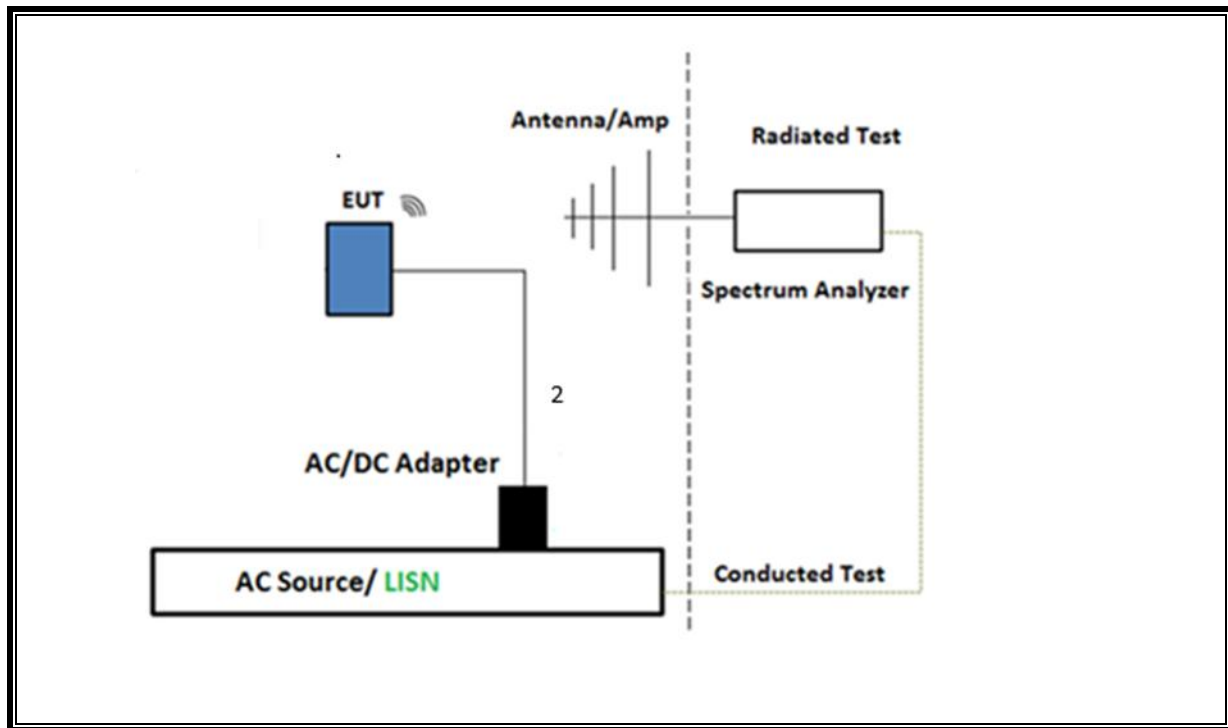
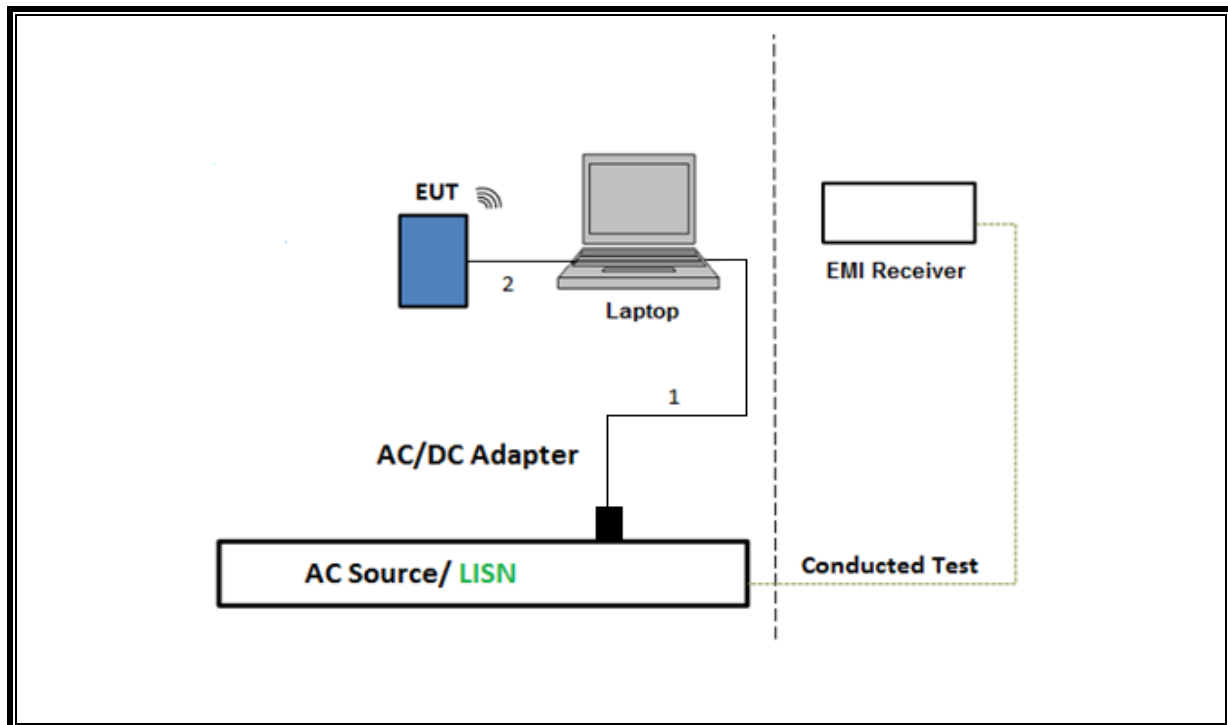
6.6. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number		FCC ID/ DoC
Laptop		Apple	Macbook	G2YKJ9LWH5		N/A
Laptop AC/DC adapter		Apple	N/A	C4H238409C0PM0WAZ		DoC
EUT AC/DC adapter		Apple	N/A	C4H2384095PPM0WAX		DoC
Conducted Switch Box		UL	N/A	245781		N/A
I/O CABLES (RF CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	SMA	1	SMA	Shielded	0.2	To spectrum Analyzer
2	Antenna	2	SMA	Shielded	0.2	EUT to Switchbox
3	USB	1	USB-C	Shielded	1.0	N/A
4	DC	1	DC	Shielded	2	N/A
I/O CABLES (RF RADIATED AND AC LINE CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC	1	DC	Shielded	2	N/A
2	USB	1	USB-C	Shielded	1	N/A

TEST SETUP

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

SETUP DIAGRAM FOR CONDUCTED TESTS**SETUP DIAGRAM FOR RADIATED TESTS Above 1 GHz**

SETUP DIAGRAM FOR Below 1GHz and AC LINE CONDUCTED TEST**TEST SETUP- AC LINE CONDUCTED: LAPTOP CONFIGURATION**

7. TEST AND MEASUREMENT EQUIPMENT

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

Description	Manufacturer	Model	ID Num	Cal Due
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	201502	2027-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	79834	*2026-07-31
Filter Box	UL-FR1	R103, 2 Amp, 12 Port	2788858	2027-06-30
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	230548	2027-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	200896	2027-03-31
Filter Box	UL-FR1	R103, 2 Amp, 12 Port	216812	2027-07-31
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	245268	2027-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	206808	2028-05-31
RF Filter Box, 1-18GHz	UL-FR1	UL Silver Box	171875	2027-02-28
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	225688	2027-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	206806	2028-03-31
Filter Box	UL-FR1	UL Silver Box	197920	2027-04-28
Antenna, Broadband Hybrid, 30MHz to 3GHz	Sunol Sciences Corp.	JB3	202329	2027-04-30
9KHz-1GHz Port 0 Factors	UL-FR1	Port 0 Factors	213877	2027-03-31
Antenna, Horn 18-26.5GHz	A.R.A.	MWH-1826/B	172353	2027-05-/31
Amplifier Assembly, 18-26.5GHz, 60dB Gain	AMPLICAL	AMP18G26.5-60	215705	2026-10-31
Antenna, Horn 26.5 to 40GHz	A.R.A.	MWH-2640/B	172366	2027-05-31
Amplifier Assembly, 26-40GHz, 65dB Gain	AMPLICAL	AMP26G40-65	172345	2027-06-30
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO-METRICS	EM-6871	219908	2026-08-31
Antenna, Passive Loop 100KHz - 30MHz	ELECTRO-METRICS	EM-6872	219910	2026-08-31
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	80397	2027-01-31
Spectrum Analyzer, PXA, 2Hz to 44GHz	Keysight Technologies Inc	N9030B	231912	2027-01-31
Power Meter, P-series single channel	Keysight Technologies Inc	N1911A	82174	2027-01-31
Power Sensor, P - series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1921A	257702	2027-01-30
RF Device, Switch (Conducted Switch Box)	UL	CSB	245781	2026-12-31
AC Line Conducted				
Description	Manufacturer	Model	ID Num	Cal Due
EMI Test Receiver 9kHz-3.6GHz	Rohde & Schwarz	ESR	82297	2027-02-28
LISN for Conducted Emissions CISPR-16	Fischer Custom Communications	FCC-LISN-50/250-25-2-01-480V	175765	2027-01-31
Transient Limiter	TE	TBFL1	207996	2026-12-30
UL AUTOMATION SOFTWARE				
Conducted Software	UL	Station Tool	Ver 4.1, 5.1, 6.0, 6.1	
Radiated Software	UL	UL EMC	Ver 9.5, Aug 25, 2025	
AC Line Conducted Software	UL	UL EMC	Ver 9.5, Aug 25, 2025	

8. ANTENNA PORT TEST RESULTS

8.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

PROCEDURE

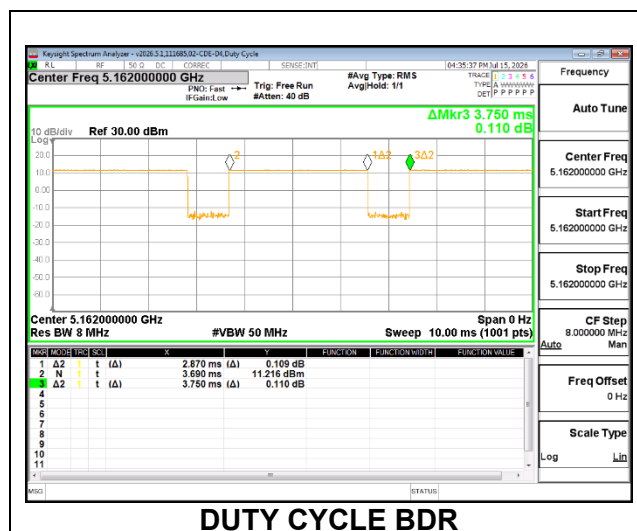
ANSI C63.10, Subclause 12.2.

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	2.870	3.750	0.765	76.53	1.16	0.348
LE1M	2.128	2.504	0.850	84.98	0.71	0.470
LE2M	1.065	1.875	0.568	56.80	2.46	0.939
HDT8	0.600	0.699	0.859	85.87	0.66	1.666
HDR4	2.790	3.750	0.744	74.40	1.28	0.358
HDR8	2.790	3.750	0.744	74.40	1.28	0.358
HDRPS2	16.200	17.500	0.926	92.57	0.34	0.062
HDRPL12	2.248	2.488	0.904	90.35	0.44	0.445
HDRPM12	2.168	2.496	0.869	86.86	0.61	0.461

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

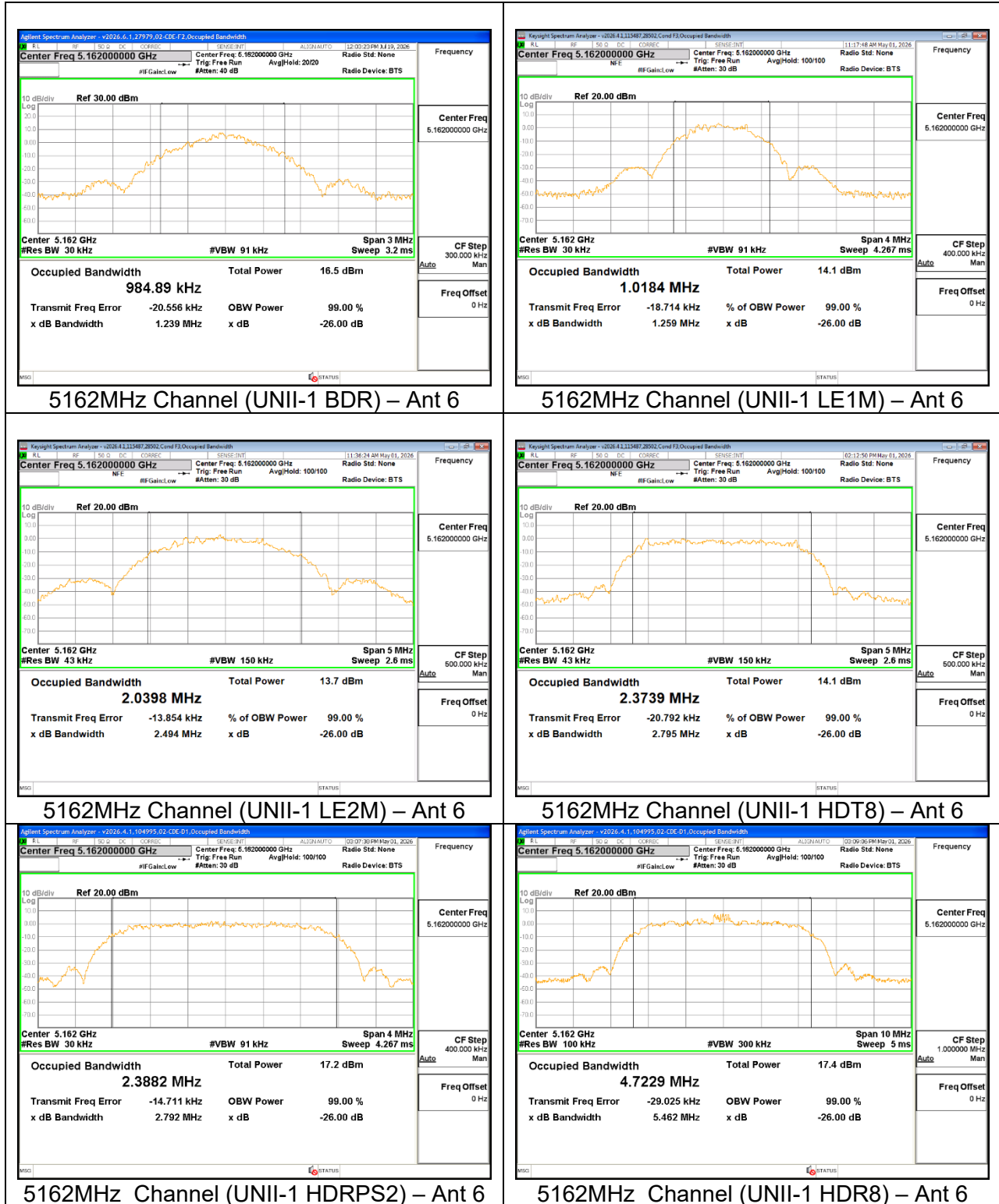
ANSI C63.10 Subclause -12.5.2

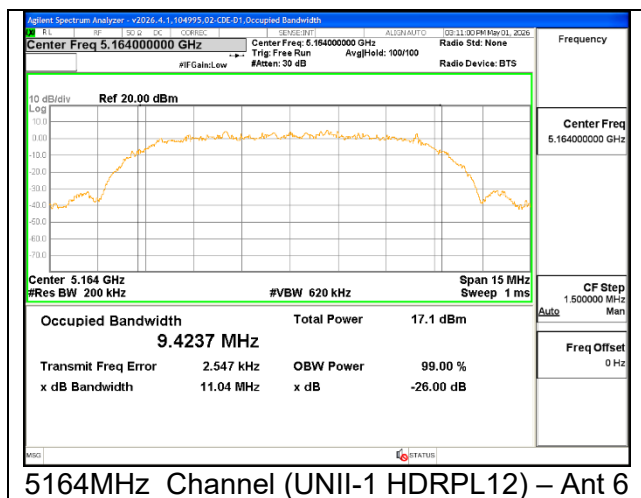
RESULTS

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	1.239	1.234	0.98489	0.93786
	5203	Mid	1.25	1.204	0.9204	0.95261
	5245	High	1.171	1.239	0.95584	0.95181
LE1M	5162	Low	1.259	1.261	1.0184	1.0152
	5203	Mid	1.26	1.255	1.0244	1.0138
	5245	High	1.262	1.26	1.0174	1.0195
LE2M	5162	Low	2.494	2.474	2.0398	2.032
	5203	Mid	2.503	2.513	2.0339	2.0462
	5245	High	2.49	2.495	2.043	2.0299
HDT8	5162	Low	2.795	2.785	2.3739	2.3649
	5203	Mid	2.788	2.788	2.371	2.3656
	5245	High	2.783	2.795	2.3718	2.3657
HDRPS2	5162	Low	2.792	2.777	2.3882	2.3979
	5203	Mid	2.664	2.801	2.3714	2.3954
	5245	High	2.66	2.763	2.3497	2.3765
HDR8	5162	Low	5.462	5.38	4.7229	4.6757
	5203	Mid	5.366	5.411	4.6968	4.6795
	5245	High	5.371	5.434	4.651	4.6956
HDRPL12	5164	Low	11.04	11.13	9.4237	9.4602
	5203	Mid	10.73	11.07	9.4115	9.5026
	5242	High	10.79	11.07	9.4413	9.4205

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	1.208	1.209	0.95422	0.95122
	5203	Mid	1.248	1.227	0.94274	0.93382
	5245	High	1.244	1.262	0.93624	0.92978
LE1M	5162	Low	1.26	1.266	1.0166	1.018
	5203	Mid	1.261	1.261	1.0187	1.0165
	5245	High	1.26	1.262	1.0162	1.0177
LE2M	5162	Low	2.489	2.494	2.0357	2.0401
	5203	Mid	2.497	2.497	2.0324	2.0415
	5245	High	2.496	2.502	2.0324	2.0355
HDT8	5162	Low	2.799	2.793	2.3713	2.3691
	5203	Mid	2.791	2.792	2.3648	2.3662
	5245	High	2.795	2.786	2.3768	2.3642
HRPS2	5162	Low	2.692	2.699	2.3841	2.3767
	5203	Mid	2.793	2.789	2.3964	2.3822
	5245	High	2.724	2.763	2.3946	2.3736
HDRPM12	5162	Low	5.306	5.317	4.6975	4.692
	5203	Mid	5.404	5.263	4.7428	4.7046
	5245	High	5.301	5.38	4.7312	4.709
HDRPL12	5164	Low	10.62	10.72	9.3725	9.3537
	5203	Mid	10.68	10.5	9.3976	9.4102
	5242	High	10.93	10.92	9.4327	9.4241

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	1.257	1.245	0.96877	0.95122
	5788	Mid	1.228	1.206	0.95312	0.93257
	5844	High	1.216	1.258	0.95430	0.92455
LE1M	5733	Low	1.259	1.262	1.0228	1.0204
	5788	Mid	1.261	1.261	1.0231	1.0149
	5844	High	1.260	1.262	1.0193	1.0222
LE2M	5733	Low	2.493	2.494	2.04230	2.03310
	5788	Mid	2.495	2.493	2.02860	2.02840
	5844	High	2.498	2.498	2.04490	2.04250
HDT8	5733	Low	2.798	2.791	2.3888	2.3644
	5788	Mid	2.821	2.794	2.3867	2.3585
	5844	High	2.823	2.793	2.3941	2.3685
HDR4	5733	Low	2.706	2.695	2.3401	2.3371
	5788	Mid	2.725	2.723	2.3440	2.3551
	5844	High	2.723	2.721	2.3529	2.3379
HDR8	5733	Low	5.386	5.363	4.6807	4.6670
	5788	Mid	5.421	5.375	4.6745	4.6556
	5844	High	5.421	5.419	4.6706	4.6554
HDRPL12	5733	Low	11.13	11.17	9.5052	9.4056
	5788	Mid	10.63	11.11	9.4219	9.4649
	5844	High	11.13	10.83	9.4624	9.4046

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	1.235	1.264	0.96152	0.95140
	5788	Mid	1.251	1.267	0.94847	0.95245
	5844	High	1.255	1.223	0.92081	0.92716
LE1M	5733	Low	1.256	1.261	1.0161	1.0184
	5788	Mid	1.263	1.260	1.0202	1.0199
	5844	High	1.260	1.263	1.0148	1.0190
LE2M	5733	Low	2.498	2.498	2.04260	2.04420
	5788	Mid	2.492	2.497	2.03650	2.04100
	5844	High	2.522	2.514	2.04330	2.04340
HDT8	5733	Low	2.829	2.794	2.3913	2.3729
	5788	Mid	2.816	2.799	2.3847	2.3712
	5844	High	2.811	2.803	2.3814	2.3659
HDR4	5733	Low	2.677	2.711	2.3429	2.3421
	5788	Mid	2.679	2.676	2.3488	2.3509
	5844	High	2.713	2.700	2.3555	2.3439
HDR8	5733	Low	5.418	5.430	4.6967	4.7292
	5788	Mid	5.437	5.394	4.6627	4.6744
	5844	High	5.418	5.385	4.6611	4.6699
HDRPL12	5733	Low	11.02	11.15	9.3919	9.4694
	5788	Mid	11.08	10.75	9.4726	9.4160
	5844	High	10.78	10.87	9.3953	9.4214

8.3. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

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

TEST PROCEDURE

ANSI C63.10 Subclause -12.5.1

RESULTS

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

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

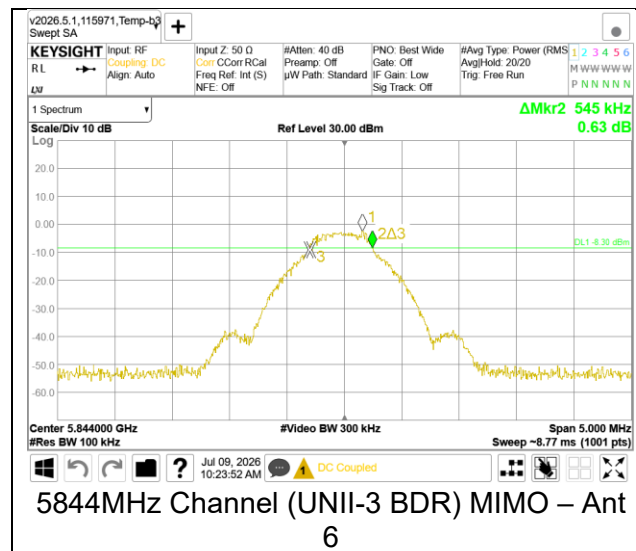
8.3.1. HIGH OUTPUT SISO MODE IN THE UNII-3 BAND

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

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

UNII-3 (TxBF)	Frequency (MHz)	Channel Number	6 dB BW (MHz)	
			Ant 6	Ant 16
BDR	5733	Low	0.550	0.550
	5788	Mid	0.555	0.545
	5844	High	0.545	0.570

WORST MINIMUM PLOT



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	-3.70	3.00	0.60	2.80
5725 - 5825 UNII 3	-1.40	3.40	1.20	3.80

Output Power Calculation:**1Tx**

Total corr'd power = Ant 6

Sample Calculation at UNII-1 Band:

ANT 6 Power = 9.96 dBm (Gated Power)

Total corr'd power = 9.96 dBm

2Tx

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

Sample Calculation at UNII-1 Band:

Ant 6 Power = 6.99 dBm, Ant 16 Power = 6.97

Total corr'd power = $10 \cdot \text{LOG}(10^{(6.99/10)} + 10^{(6.97/10)}) = 9.99 \text{ dBm}$

PSD Calculation:**1Tx**

Total corr'd PSD = DCCF + Ant 6

Sample Calculation at UNII-1 Band:

Ant 6 PSD = 8.655 dBm/MHz

Total corr'd PSD = $1.16 + 8.655 = 9.815 \text{ dBm/MHz}$

2Tx

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

Sample Calculation at UNII-1 Band:

Ant6 PSD = 5.306 dBm/MHz, Ant16 PSD = 5.421 dBm/MHz

Total corr'd PSD = $(10 \cdot \text{LOG}(10^{((1.16 + (5.306))/10)} + 10^{((1.16 + (5.421))/10)}))$
= 9.534 dBm/MHz

RESULTS

8.4.1. UNII-1 BAND SISO MODE

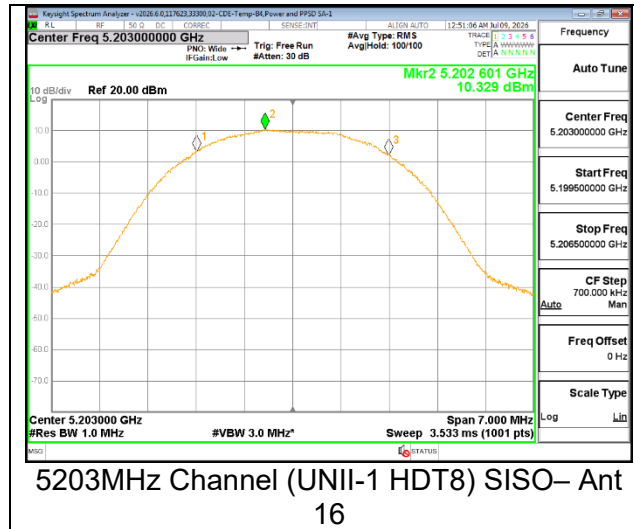
UNII-1 (SISO) (5162 - 5245MHz)	
Ant 6 (dBi)	-3.7
Ant 16 (dBi)	3

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
BDR	High	5162	Low	1.16	--	24	24	9.96	9.97	9.96	9.97	11	11	8.655	8.200	9.815	9.360	
		5203	Mid					9.92	9.96	9.92	9.96			8.462	8.552	9.622	9.712	
		5245	High					9.96	9.97	9.96	9.97			8.320	8.541	9.480	9.701	
	Low	5162	Low					4.45	4.24	4.45	4.24			2.818	2.571	3.978	3.731	
		5203	Mid					4.47	4.21	4.47	4.21			2.891	2.569	4.051	3.729	
		5245	High					4.46	4.23	4.46	4.23			2.752	2.239	3.912	3.399	
LE1M	High	5162	Low	0.71				24	10.20	10.24	10.20			10.24	9.243	9.041	9.953	9.751
		5203	Mid						10.23	10.22	10.23			10.22	9.200	9.212	9.910	9.922
		5245	High						10.24	10.23	10.24			10.23	9.057	9.039	9.767	9.749
	Low	5162	Low						4.46	4.23	4.46			4.23	3.156	2.694	3.866	3.404
		5203	Mid						4.49	4.24	4.49			4.24	3.152	2.770	3.862	3.480
		5245	High						4.49	4.24	4.49			4.24	2.190	2.744	2.900	3.454
LE2M	High	5162	Low	2.46					10.98	10.97	10.98			10.97	7.603	7.686	10.063	10.146
		5203	Mid						10.95	10.94	10.95			10.94	7.592	7.519	10.052	9.979
		5245	High						10.99	10.93	10.99			10.93	7.839	7.407	10.299	9.867
	Low	5162	Low						4.48	4.22	4.48			4.22	0.608	0.269	3.068	2.729
		5203	Mid						4.47	4.22	4.47			4.22	0.622	0.109	3.082	2.569
		5245	High						4.49	4.24	4.49			4.24	0.690	0.123	3.150	2.583
HDT8	High	5162	Low	0.66					12.24	12.23	12.24			12.23	10.032	10.181	10.692	10.841
		5203	Mid						12.23	12.24	12.23			12.24	10.119	10.329	10.779	10.989
		5245	High						12.20	12.22	12.20			12.22	10.286	10.123	10.946	10.783
	Low	5162	Low						1.47	1.22	1.47			1.22	-1.583	-2.000	-0.923	-1.340
		5203	Mid						1.48	1.24	1.48			1.24	-1.531	-1.914	-0.871	-1.254
		5245	High						1.47	1.23	1.47			1.23	-1.596	-1.952	-0.936	-1.292
HDRPS2	High	5162	Low	0.34					12.21	12.22	12.21			12.22	9.281	9.344	9.621	9.684
		5203	Mid						12.24	12.22	12.24			12.22	9.611	9.422	9.951	9.762
		5245	High						12.23	12.23	12.23			12.23	9.531	9.592	9.871	9.932
	Low	5162	Low						1.48	1.23	1.48			1.23	-1.783	-2.310	-1.443	-1.970
		5203	Mid						1.46	1.24	1.46			1.24	-1.842	-2.343	-1.502	-2.003
		5245	High						1.45	1.23	1.45			1.23	-1.828	-2.425	-1.488	-2.085
HDR8	High	5162	Low	1.28					14.21	14.20	14.21			14.20	8.448	8.323	9.728	9.603
		5203	Mid						14.23	14.20	14.23			14.20	8.514	8.147	9.794	9.427
		5245	High						14.24	14.22	14.24			14.22	8.580	8.534	9.860	9.814
	Low	5162	Low						1.48	1.22	1.48			1.22	-4.955	-5.615	-3.675	-4.335
		5203	Mid						1.45	1.24	1.45			1.24	-5.133	-5.437	-3.853	-4.157
		5245	High						1.49	1.24	1.49			1.24	-4.806	-5.332	-3.526	-4.052
HDRPL12	High	5164	Low	0.44					12.24	12.24	12.24			12.24	4.407	4.530	4.847	4.970
		5203	Mid						12.20	12.21	12.20			12.21	4.392	4.211	4.832	4.651
		5242	High						12.23	12.23	12.23			12.23	4.183	4.444	4.623	4.884
	Low	5164	Low						1.48	1.23	1.48			1.23	-6.958	-7.688	-6.518	-7.248
		5203	Mid						1.46	1.22	1.46			1.22	-7.340	-7.921	-6.900	-7.481
		5242	High						1.47	1.22	1.47			1.22	-7.109	-7.826	-6.669	-7.386

8.4.2. UNII-1 BAND MIMO TXBF MODE

UNII-1 (MIMO BF) (5162 - 5245MHz)	
Un-Correlated Gain (dBi)	0.60
Correlated Gain (dBi)	2.80

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	High	5162	Low	1.16	--	24	6.99	6.97	9.99	11	5.306	5.421	9.534
		5203	Mid				6.97	6.97	9.98		5.561	5.484	9.693
		5245	High				6.98	6.97	9.99		5.480	5.508	9.664
	Low	5162	Low				4.47	4.22	7.36		2.896	2.470	6.859
		5203	Mid				4.46	4.21	7.35		2.834	2.463	6.823
		5245	High				4.49	4.23	7.37		3.022	2.603	6.988
LE1M	High	5162	Low	0.71			7.23	7.20	10.23		6.737	6.403	10.294
		5203	Mid				7.24	7.22	10.24		6.997	6.636	10.541
		5245	High				7.23	7.21	10.23		6.781	6.481	10.354
	Low	5162	Low				4.45	4.23	7.35		3.103	2.772	6.661
		5203	Mid				4.46	4.22	7.35		3.251	2.557	6.638
		5245	High				4.45	4.24	7.36		3.161	2.754	6.683
LE2M	High	5162	Low	2.46			7.97	7.95	10.97		4.873	4.735	10.275
		5203	Mid				7.99	7.95	10.98		4.969	4.622	10.269
		5245	High				7.97	7.96	10.98		4.918	4.787	10.323
	Low	5162	Low				4.48	4.21	7.36		0.638	0.295	5.940
		5203	Mid				4.49	4.22	7.37		0.793	0.255	6.003
		5245	High				4.48	4.24	7.37		0.654	0.223	5.914
HDT8	High	5162	Low	0.66			9.48	9.49	12.50		5.925	5.877	9.571
		5203	Mid				9.49	9.47	12.49		6.146	5.859	9.675
		5245	High				9.49	9.49	12.50		6.137	6.139	9.808
	Low	5162	Low				1.47	1.21	4.35		-1.692	-2.020	1.817
		5203	Mid				1.49	1.23	4.37		-1.563	-1.945	1.920
		5245	High				1.49	1.22	4.37		-1.616	-1.965	1.883
HDRPS2	High	5162	Low	0.34			9.24	9.21	12.24		6.416	6.176	9.648
		5203	Mid				9.22	9.22	12.23		6.199	6.184	9.542
		5245	High				9.23	9.24	12.25		6.334	6.402	9.718
	Low	5162	Low				1.49	1.23	4.37		-1.874	-2.451	1.197
		5203	Mid				1.47	1.24	4.37		-1.949	-2.429	1.168
		5245	High				1.46	1.24	4.36		-1.962	-2.305	1.220
HDRPM12	High	5162	Low	0.61			12.24	12.23	15.25		6.993	7.114	10.674
		5203	Mid				12.22	12.24	15.24		6.729	7.198	10.590
		5245	High				12.24	12.24	15.25		6.953	7.171	10.684
	Low	5162	Low				1.44	1.22	4.34		-5.083	-5.510	-1.671
		5203	Mid				1.49	1.22	4.37		-4.604	-5.666	-1.482
		5245	High				1.47	1.24	4.37		-4.866	-5.323	-1.468
HDRPL12	High	5164	Low	0.44			12.23	12.24	15.25		4.648	4.673	8.111
		5203	Mid				12.21	12.22	15.23		4.512	4.559	7.986
		5242	High				12.20	12.24	15.23		4.244	4.670	7.913
	Low	5164	Low				1.48	1.23	4.37		-7.122	-7.825	-4.009
		5203	Mid				1.45	1.23	4.35		-7.451	-7.750	-4.148
		5242	High				1.45	1.23	4.35		-7.473	-7.835	-4.200

WORST MAXIMUM PSD PLOT

8.4.3. UNII-3 BAND SISO MODE

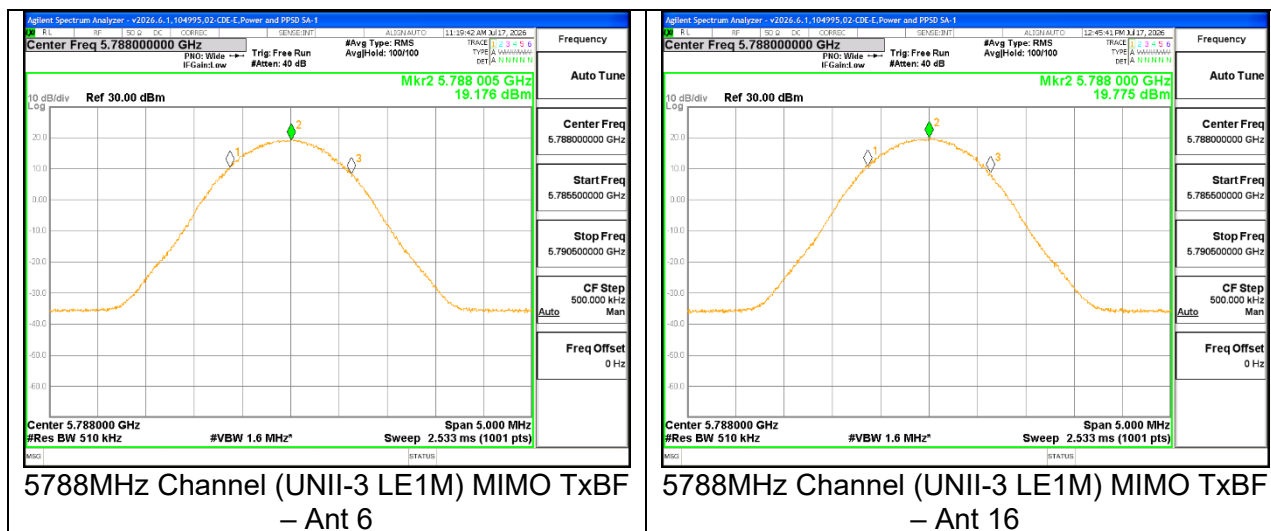
UNII-3 (SISO) (5733- 5844MHz)	
Ant 6 (dBi)	-1.4
Ant 16 (dBi)	3.4

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	1.16	30	30	18.72	18.94	18.72	18.94	30	30	17.586	17.827	18.746	18.987
		5788	Mid				18.74	18.97	18.74	18.97			17.666	17.795	18.826	18.955
		5844	High				18.72	18.99	18.72	18.99			17.489	18.232	18.649	19.392
	5733	Low	4.48				4.22	4.48	4.22	4.088			3.252	5.248	4.412	
	5788	Mid	4.47				4.24	4.47	4.24	4.087			3.600	5.247	4.760	
	5844	High	4.45				4.24	4.45	4.24	3.686			3.585	4.846	4.745	
LE1M	High	5733	Low	0.71			18.73	18.92	18.73	18.92			19.394	19.514	20.104	20.224
		5788	Mid				18.69	18.97	18.69	18.97			19.084	19.850	19.794	20.560
		5844	High				18.70	18.94	18.70	18.94			19.107	19.529	19.817	20.239
	5733	Low	4.43				4.23	4.43	4.23	2.517			2.115	3.227	2.825	
	5788	Mid	4.48				4.24	4.48	4.24	2.766			2.203	3.476	2.913	
	5844	High	4.45				4.24	4.45	4.24	2.569			2.246	3.279	2.956	
LE2M	High	5733	Low	2.46			18.73	18.89	18.73	18.89			15.834	16.191	18.294	18.651
		5788	Mid				18.73	18.95	18.73	18.95			15.855	16.416	18.315	18.876
		5844	High				18.70	18.92	18.70	18.92			15.608	16.278	18.068	18.738
	5733	Low	4.38				4.22	4.38	4.22	-1.338			-1.620	1.122	0.840	
	5788	Mid	4.40				4.23	4.40	4.23	-1.308			-1.709	1.152	0.751	
	5844	High	4.43				4.20	4.43	4.20	-1.077			-1.770	1.383	0.690	
HDT8	High	5733	Low	0.66			11.73	11.97	11.73	11.97			6.290	6.995	6.950	7.655
		5788	Mid				11.73	11.99	11.73	11.99			6.236	7.024	6.896	7.684
		5844	High				11.71	11.92	11.71	11.92			6.187	7.070	6.847	7.730
	5733	Low	1.40				1.22	1.40	1.22	-3.842			-4.150	-3.182	-3.490	
	5788	Mid	1.43				1.17	1.43	1.17	-3.667			-4.570	-3.007	-3.910	
	5844	High	1.48				1.20	1.48	1.20	-3.437			-4.490	-2.777	-3.830	
HDR4	High	5733	Low	1.28			13.73	13.94	13.73	13.94			4.372	4.778	5.652	6.058
		5788	Mid				13.70	13.98	13.70	13.98			3.970	5.315	5.250	6.595
		5844	High				13.74	13.96	13.74	13.96			4.520	4.874	5.800	6.154
	5733	Low	1.49				1.22	1.49	1.22	-7.627			-8.410	-6.347	-7.130	
	5788	Mid	1.42				1.23	1.42	1.23	-8.178			-8.139	-6.898	-6.859	
	5844	High	1.45				1.21	1.45	1.21	-7.986			-8.387	-6.706	-7.107	
HDR8	High	5733	Low	1.28			13.71	13.98	13.71	13.98			1.780	2.744	3.060	4.024
		5788	Mid				13.74	13.95	13.74	13.95			2.100	2.653	3.380	3.933
		5844	High				13.73	13.93	13.73	13.93			2.038	2.520	3.318	3.800
	5733	Low	1.43				1.12	1.43	1.12	-10.142			-10.805	-8.862	-9.525	
	5788	Mid	1.42				1.20	1.42	1.20	-10.191			-10.658	-8.911	-9.378	
	5844	High	1.44				1.22	1.44	1.22	-10.128			-10.557	-8.848	-9.277	
HDRPL12	High	5733	Low	0.44			11.69	11.90	11.69	11.90			-3.179	-2.863	-2.739	-2.423
		5788	Mid				11.73	11.94	11.73	11.94			-3.106	-2.751	-2.666	-2.311
		5844	High				11.72	11.97	11.72	11.97			-3.167	-2.353	-2.727	-1.913
	5733	Low	1.40				1.24	1.40	1.24	-13.361			-13.520	-12.921	-13.080	
	5788	Mid	1.38				1.20	1.38	1.20	-13.605			-13.621	-13.165	-13.181	
	5844	High	1.43				1.19	1.43	1.19	-13.152			-13.854	-12.712	-13.414	

8.4.4. UNII-3 BAND MIMO TXBF MODE

UNII-3 (MIMO BF) (5733- 5844MHz)	
Un-Correlated Gain (dBi)	1.2
Correlated Gain (dBi)	3.8

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	1.16	30	18.72	18.97	21.86	30	17.586	18.041	21.990
		5788	Mid			18.68	18.92	21.81		17.426	17.850	21.813
		5844	High			18.73	18.91	21.83		17.677	17.839	21.929
	Low	5733	Low			4.43	4.20	7.33		4.005	3.360	7.865
		5788	Mid			4.41	4.19	7.31		3.920	3.397	7.837
		5844	High			4.42	4.23	7.34		3.937	3.651	7.967
LE1M	High	5733	Low	0.71		18.71	18.93	21.83		19.010	19.787	23.136
		5788	Mid			18.74	18.92	21.84		19.176	19.775	23.206
		5844	High			18.74	18.88	21.82		19.155	19.650	23.130
	Low	5733	Low			4.43	4.17	7.31		2.520	2.011	5.993
		5788	Mid			4.46	4.22	7.35		2.663	2.369	6.239
		5844	High			4.48	4.20	7.35		2.857	2.133	6.230
LE2M	High	5733	Low	2.46		18.73	18.97	21.86		15.888	16.405	21.624
		5788	Mid			18.70	18.92	21.82		15.640	16.141	21.368
		5844	High			18.71	18.99	21.86		18.624	16.537	23.175
	Low	5733	Low			4.43	4.21	7.33		-1.139	-1.768	4.028
		5788	Mid			4.40	4.20	7.31		-1.451	-1.749	3.873
		5844	High			4.42	4.23	7.34		-1.060	-1.662	4.120
HDT8	High	5733	Low	0.66		11.68	11.99	14.85		6.238	7.257	10.448
		5788	Mid			11.72	11.96	14.85		6.437	7.078	10.440
		5844	High			11.73	11.95	14.85		6.512	6.994	10.430
	Low	5733	Low			1.39	1.19	4.30		-3.780	-4.305	-0.364
		5788	Mid			1.40	1.23	4.33		-3.723	-4.415	-0.385
		5844	High			1.47	1.22	4.36		-3.420	-4.495	-0.254
HDR4	High	5733	Low	1.28		13.66	13.97	16.83		4.071	4.868	8.778
		5788	Mid			13.74	13.96	16.86		4.537	4.883	9.004
		5844	High			13.71	13.97	16.85		4.236	4.849	8.844
	Low	5733	Low			1.37	1.21	4.30		-8.192	-8.449	-4.028
		5788	Mid			1.39	1.24	4.33		-8.111	-8.260	-3.895
		5844	High			1.42	1.23	4.34		-7.660	-8.300	-3.678
HDR8	High	5733	Low	1.28		13.74	13.95	16.86		2.132	2.104	6.408
		5788	Mid			13.70	13.94	16.83		1.902	2.232	6.360
		5844	High			13.67	13.98	16.84		1.766	2.684	6.540
	Low	5733	Low			1.43	1.19	4.32		-10.039	-10.816	-6.120
		5788	Mid			1.39	1.22	4.32		-10.439	-10.664	-6.260
		5844	High			1.44	1.20	4.33		-10.022	-10.735	-6.074
HDRPL12	High	5733	Low	0.44		11.72	11.92	14.83		-3.184	-2.890	0.416
		5788	Mid			11.68	11.95	14.83		-3.365	-2.758	0.399
		5844	High			11.74	11.97	14.87		-2.973	-2.580	0.678
	Low	5733	Low			1.42	1.17	4.31		-13.658	-13.938	-10.345
		5788	Mid			1.38	1.21	4.31		-13.745	-13.531	-10.186
		5844	High			1.41	1.24	4.34		-13.785	-13.405	-10.141

WORST MAXIMUM PSD 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 above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 kHz for peak measurements.

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

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

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

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

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

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

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

RESULTS

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	51.92	Pk	34.5	-34.6	0	51.82	-	-	74	-22.18	265	191	H
			* 5.126454	53.25	Pk	34.4	-34.6	0	53.05	-	-	74	-20.95	265	191	H
			* 5.15	40.3	RMS	34.5	-34.6	1.16	41.36	54	-12.64	-	-	265	191	H
			* 5.145237	40.99	RMS	34.4	-34.5	1.16	42.05	54	-11.95	-	-	265	191	H
			* 5.15	51.41	Pk	34.5	-34.6	0	51.31	-	-	74	-22.69	207	110	V
			* 5.119859	53.23	Pk	34.4	-34.6	0	53.03	-	-	74	-20.97	207	110	V
		16	* 5.15	40.89	RMS	34.5	-34.6	1.16	41.95	54	-12.05	-	-	207	110	V
			* 5.139112	41.67	RMS	34.4	-34.5	1.16	42.73	54	-11.27	-	-	207	110	V
			* 5.15	51.75	Pk	34.1	-30.8	0	55.05	-	-	74	-18.95	142	101	H
			* 5.146831	53.4	Pk	34.1	-30.8	0	56.7	-	-	74	-17.3	142	101	H
			* 5.15	40.86	RMS	34.1	-30.8	1.16	45.32	54	-8.68	-	-	142	101	H
			* 5.147675	41.96	RMS	34.1	-30.9	1.16	46.32	54	-7.68	-	-	142	101	H
			* 5.15	51.29	Pk	34.1	-30.8	0	54.59	-	-	74	-19.41	242	201	V
			* 5.147425	52.8	Pk	34.1	-30.9	0	56	-	-	74	-18	242	201	V
			* 5.15	39.99	RMS	34.1	-30.8	1.16	44.45	54	-9.55	-	-	242	201	V
			* 5.007126	41.14	RMS	33.9	-31	1.16	45.2	54	-8.8	-	-	242	201	V
LE1M	5162	6	* 5.15	51.13	Pk	34.5	-34.6	0	51.03	-	-	74	-22.97	84	101	H
			* 5.097044	53.88	Pk	34.4	-34.7	0	53.58	-	-	74	-20.42	84	101	H
			* 5.15	40.73	RMS	34.5	-34.6	0.71	41.34	54	-12.66	-	-	84	101	H
			* 5.149832	41.66	RMS	34.5	-34.5	0.71	42.37	54	-11.63	-	-	84	101	H
			* 5.15	51.46	Pk	34.5	-34.6	0	51.36	-	-	74	-22.64	27	101	V
			* 5.146831	53.67	Pk	34.4	-34.6	0	53.47	-	-	74	-20.53	27	101	V
		16	* 5.15	40.81	RMS	34.5	-34.6	0.71	41.42	54	-12.58	-	-	27	101	V
			* 5.1473	41.69	RMS	34.4	-34.6	0.71	42.2	54	-11.8	-	-	27	101	V
			* 5.15	51.64	Pk	34.1	-30.8	0	54.94	-	-	74	-19.06	135	115	H
			* 5.118921	52.84	Pk	34	-30.9	0	55.94	-	-	74	-18.06	135	115	H
			* 5.15	41.07	RMS	34.1	-30.8	0.71	45.08	54	-8.92	-	-	135	115	H
			* 5.14805	41.68	RMS	34.1	-30.9	0.71	45.59	54	-8.41	-	-	135	115	H
			* 5.15	51.1	Pk	34.1	-30.8	0	54.4	-	-	74	-19.6	232	176	V
			* 5.130298	52.99	Pk	34	-30.9	0	56.09	-	-	74	-17.91	232	176	V
			* 5.15	39.78	RMS	34.1	-30.8	0.71	43.79	54	-10.21	-	-	232	176	V
			* 5.007188	41.29	RMS	33.9	-31	0.71	44.9	54	-9.1	-	-	232	176	V
LE2M	5162	6	* 5.15	55.54	Pk	34.3	-32.62	0	57.22	-	-	74	-16.78	314	148	H
			* 5.005556	57.3	Pk	34.4	-32.65	0	59.05	-	-	74	-14.95	314	148	H
			* 5.15	43.38	RMS	34.3	-32.62	2.46	47.52	54	-6.48	-	-	314	148	H
			* 5.001139	45.74	RMS	34.4	-32.68	2.46	49.92	54	-4.08	-	-	314	148	H
			* 5.15	54.54	Pk	34.3	-32.62	0	56.22	-	-	74	-17.78	60	148	V
			* 5.007306	57.19	Pk	34.4	-32.65	0	58.94	-	-	74	-15.06	60	148	V
		16	* 5.15	44.26	RMS	34.3	-32.62	2.46	48.4	54	-5.6	-	-	60	148	V
			* 5.004472	45.83	RMS	34.4	-32.65	2.46	50.04	54	-3.96	-	-	60	148	V
			* 5.15	51.6	Pk	34.1	-30.8	0	54.9	-	-	74	-19.1	139	107	H
			* 5.0466	53.48	Pk	33.9	-30.9	0	56.48	-	-	74	-17.52	139	107	H
			* 5.15	40.37	RMS	34.1	-30.8	2.46	46.13	54	-7.87	-	-	139	107	H
			* 5.144487	41.1	RMS	34.1	-30.8	2.46	46.86	54	-7.14	-	-	139	107	H
			* 5.15	51.43	Pk	34.1	-30.8	0	54.73	-	-	74	-19.27	173	225	V
			* 5.118359	52.41	Pk	34	-30.9	0	55.51	-	-	74	-18.49	173	225	V
			* 5.15	39.46	RMS	34.1	-30.8	2.46	45.22	54	-8.78	-	-	173	225	V
			* 5.004594	41.33	RMS	33.9	-31	2.46	46.69	54	-7.31	-	-	173	225	V

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

Pk - Peak detector

RMS - RMS detection

UNII-1 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDT8	5162	6	* 5.15	53.86	Pk	34.3	-32.62	0	55.54	-	-	74	-18.46	59	159	H
			* 5.00125	57.79	Pk	34.4	-32.67	0	59.52	-	-	74	-14.48	59	159	H
			* 5.15	44.01	RMS	34.3	-32.62	0.66	46.35	54	-7.65	-	-	59	159	H
			* 5.006333	45.72	RMS	34.4	-32.64	0.66	48.14	54	-5.86	-	-	59	159	H
			* 5.15	55.21	Pk	34.3	-32.62	0	56.89	-	-	74	-17.11	58	149	V
			* 5.002444	57.58	Pk	34.4	-32.66	0	59.32	-	-	74	-14.68	58	149	V
		16	* 5.15	44.05	RMS	34.3	-32.62	0.66	46.39	54	-7.61	-	-	58	149	V
			* 5.005528	45.55	RMS	34.4	-32.65	0.66	47.96	54	-6.04	-	-	58	149	V
			* 5.15	51.72	Pk	34.1	-30.8	0	55.02	-	-	74	-18.98	142	123	H
			* 5.149644	53.43	Pk	34.1	-30.8	0	56.73	-	-	74	-17.27	142	123	H
			* 5.15	40.69	RMS	34.1	-30.8	0.66	44.65	54	-9.35	-	-	142	123	H
			* 5.148113	41.74	RMS	34.1	-30.9	0.66	45.6	54	-8.4	-	-	142	123	H
			* 5.15	49.99	Pk	34.1	-30.8	0	53.29	-	-	74	-20.71	71	326	V
			* 5.005626	53.45	Pk	33.9	-31	0	56.35	-	-	74	-17.65	71	326	V
			* 5.15	40.63	RMS	34.1	-30.8	0.66	44.59	54	-9.41	-	-	71	326	V
			* 5.004813	41.47	RMS	33.9	-31	0.66	45.03	54	-8.97	-	-	71	326	V
HDR8	5162	6	* 5.15	59.6	Pk	34.3	-39.9	0	54	-	-	74	-20	11	230	H
			* 5.117362	60.79	Pk	34.3	-40	0	55.09	-	-	74	-18.91	11	230	H
			* 5.15	48.91	RMS	34.3	-39.9	1.28	44.59	54	-9.41	-	-	11	230	H
			* 5.149946	49.26	RMS	34.3	-39.9	1.28	44.94	54	-9.06	-	-	11	230	H
			* 5.15	58.91	Pk	34.3	-39.9	0	53.31	-	-	74	-20.69	15	216	V
			* 5.005167	60.81	Pk	34.2	-39.9	0	55.11	-	-	74	-18.89	15	216	V
		16	* 5.15	48.5	RMS	34.3	-39.9	1.28	44.18	54	-9.82	-	-	15	216	V
			* 5.091306	49.3	RMS	34.2	-40	1.28	44.78	54	-9.22	-	-	15	216	V
			* 5.15	53.69	Pk	34.1	-30.8	0	56.99	-	-	74	-17.01	149	122	H
			* 5.1478	54.03	Pk	34.1	-30.9	0	57.23	-	-	74	-16.77	149	122	H
			* 5.15	40.31	RMS	34.1	-30.8	1.28	44.89	54	-9.11	-	-	149	122	H
			* 5.149519	41.22	RMS	34.1	-30.8	1.28	45.8	54	-8.2	-	-	149	122	H
			* 5.15	51.07	Pk	34.1	-30.8	0	54.37	-	-	74	-19.63	71	388	V
			* 5.028629	53.03	Pk	33.9	-31	0	55.93	-	-	74	-18.07	71	388	V
			* 5.15	40.23	RMS	34.1	-30.8	1.28	44.81	54	-9.19	-	-	71	388	V
			* 5.141737	41.18	RMS	34	-30.9	1.28	45.56	54	-8.44	-	-	71	388	V
HDRPS2	5162	6	* 5.15	57.88	Pk	34.3	-39.9	0	52.28	-	-	74	-21.72	11	230	H
			* 5.144834	60.58	Pk	34.3	-39.92	0	54.96	-	-	74	-19.04	11	230	H
			* 5.15	47.66	RMS	34.3	-39.9	0.34	42.4	54	-11.6	-	-	11	230	H
			* 5.132362	48.98	RMS	34.3	-39.9	0.34	43.72	54	-10.28	-	-	11	230	H
			* 5.15	62.1	Pk	34.3	-39.9	0	56.5	-	-	74	-17.5	15	216	V
			* 5.143307	67.48	Pk	34.3	-39.93	0	61.85	-	-	74	-12.15	15	216	V
		16	* 5.15	51.82	RMS	34.3	-39.9	0.34	46.56	54	-7.44	-	-	15	216	V
			* 5.145751	56.46	RMS	34.3	-39.9	0.34	51.2	54	-2.8	-	-	15	216	V
			* 5.15	51.06	Pk	34.1	-30.8	0	54.36	-	-	74	-19.64	149	122	H
			* 5.123828	53.46	Pk	34	-30.9	0	56.56	-	-	74	-17.44	149	122	H
			* 5.15	41.1	RMS	34.1	-30.8	0.34	44.74	54	-9.26	-	-	149	122	H
			* 5.149582	41.69	RMS	34.1	-30.8	0.34	45.33	54	-8.67	-	-	149	122	H
			* 5.15	50.04	Pk	34.1	-30.8	0	53.34	-	-	74	-20.66	71	388	V
			* 5.028441	53.24	Pk	33.9	-31	0	56.14	-	-	74	-17.86	71	388	V
			* 5.15	40.07	RMS	34.1	-30.8	0.34	43.71	54	-10.29	-	-	71	388	V
			* 5.110514	41.27	RMS	34	-30.9	0.34	44.71	54	-9.29	-	-	71	388	V
HDRPL12	5164	6	* 5.15	66.49	Pk	34.3	-39.9	0	60.89	-	-	74	-13.11	12	300	H
			* 5.149946	67.17	Pk	34.3	-39.9	0	61.57	-	-	74	-12.43	12	300	H
			* 5.15	54.44	RMS	34.3	-39.9	0.44	49.28	54	-4.72	-	-	12	300	H
			* 5.14989	54.99	RMS	34.3	-39.9	0.44	49.83	54	-4.17	-	-	12	300	H
			* 5.15	60.19	Pk	34.3	-39.9	0	54.59	-	-	74	-19.41	42	300	V
			* 5.14989	61.55	Pk	34.3	-39.9	0	55.95	-	-	74	-18.05	42	300	V
		16	* 5.15	49.16	RMS	34.3	-39.9	0.44	44	54	-10	-	-	42	300	V
			* 5.149946	50	RMS	34.3	-39.9	0.44	44.84	54	-9.16	-	-	42	300	V
			* 5.15	60	Pk	34.1	-30.8	0	63.3	-	-	74	-10.7	150	104	H
			* 5.149957	60.91	Pk	34.1	-30.8	0	64.21	-	-	74	-9.79	150	104	H
			* 5.15	47.34	RMS	34.1	-30.8	0.44	51.08	54	-2.92	-	-	150	104	H
			* 5.149988	47.53	RMS	34.1	-30.8	0.44	51.27	54	-2.73	-	-	150	104	H
			* 5.15	50.88	Pk	34.1	-30.8	0	54.18	-	-	74	-19.82	152	103	V
			* 5.133017	52.71	Pk	34	-30.9	0	55.81	-	-	74	-18.19	152	103	V
			* 5.15	40.2	RMS	34.1	-30.8	0.44	43.94	54	-10.06	-	-	152	103	V
			* 5.032723	41.57	RMS	33.9	-31	0.44	44.91	54	-9.09	-	-	152	103	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/ 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	* 5.15	58.24	Pk	34.7	-38.61	0	54.33	-	-	74	-19.67	6	118	H
			* 5.147779	59.93	Pk	34.7	-38.63	0	56	-	-	74	-18	6	118	H
			* 5.15	46.69	RMS	34.7	-38.61	1.16	43.94	54	-10.06	-	-	6	118	H
			* 5.149307	48.15	RMS	34.7	-38.63	1.16	45.38	54	-8.62	-	-	6	118	H
			* 5.15	57.49	Pk	34.7	-38.61	0	53.58	-	-	74	-20.42	7	139	V
			* 5.141612	59.99	Pk	34.6	-38.65	0	55.94	-	-	74	-18.06	7	139	V
			* 5.15	47.31	RMS	34.7	-38.61	1.16	44.56	54	-9.44	-	-	7	139	V
			* 5.144529	47.77	RMS	34.7	-38.65	1.16	44.98	54	-9.02	-	-	7	139	V
LE1M	5162	6 + 16	* 5.15	58.52	Pk	34.7	-38.61	0	54.61	-	-	74	-19.39	267	217	H
			* 5.149751	60.81	Pk	34.7	-38.62	0	56.89	-	-	74	-17.11	267	217	H
			* 5.15	47.95	RMS	34.7	-38.61	0.71	44.75	54	-9.25	-	-	267	217	H
			* 5.149473	48.75	RMS	34.7	-38.63	0.71	45.53	54	-8.47	-	-	267	217	H
			* 5.15	58.03	Pk	34.7	-38.61	0	54.12	-	-	74	-19.88	226	141	V
			* 5.11714	61.17	Pk	34.5	-38.65	0	57.02	-	-	74	-16.98	226	141	V
			* 5.15	46.73	RMS	34.7	-38.61	0.71	43.53	54	-10.47	-	-	226	141	V
			* 5.14214	47.84	RMS	34.6	-38.65	0.71	44.5	54	-9.5	-	-	226	141	V
LE2M	5162	6 + 16	* 5.15	58.75	Pk	34.7	-38.61	0	54.84	-	-	74	-19.16	267	205	H
			* 5.144946	61.39	Pk	34.7	-38.65	0	57.44	-	-	74	-16.56	267	205	H
			* 5.15	47.23	RMS	34.7	-38.61	2.46	45.78	54	-8.22	-	-	267	205	H
			* 5.145196	48.31	RMS	34.7	-38.65	2.46	46.82	54	-7.18	-	-	267	205	H
			* 5.15	57.08	Pk	34.7	-38.61	0	53.17	-	-	74	-20.83	225	140	V
			* 5.099667	60.43	Pk	34.3	-38.59	0	56.14	-	-	74	-17.86	225	140	V
			* 5.15	47.23	RMS	34.7	-38.61	2.46	45.78	54	-8.22	-	-	225	140	V
			* 5.145001	47.65	RMS	34.7	-38.65	2.46	46.16	54	-7.84	-	-	225	140	V
HDT8	5162	6 + 16	* 5.15	40.79	Pk	34.5	-23.5	0	51.79	-	-	74	-22.21	344	111	H
			* 5.03925	42.12	Pk	34.3	-23.3	0	53.12	-	-	74	-20.88	344	111	H
			* 5.15	29.42	RMS	34.5	-23.5	0.66	41.08	54	-12.92	-	-	344	111	H
			* 5.149918	30.4	RMS	34.5	-23.5	0.66	42.06	54	-11.94	-	-	344	111	H
			* 5.15	38.92	Pk	34.5	-23.5	0	49.92	-	-	74	-24.08	307	133	V
			* 5.007889	42.1	Pk	34.3	-23.5	0	52.9	-	-	74	-21.1	307	133	V
			* 5.15	28.75	RMS	34.5	-23.5	0.66	40.41	54	-13.59	-	-	307	133	V
			* 5.00675	30.07	RMS	34.3	-23.5	0.66	41.53	54	-12.47	-	-	307	133	V
HDRPM12	5162	6 + 16	* 5.15	56.34	Pk	34.3	-32.62	0	58.02	-	-	74	-15.98	94	106	H
			* 5.009361	57.75	Pk	34.3	-32.67	0	59.38	-	-	74	-14.62	94	106	H
			* 5.15	44.83	RMS	34.3	-32.62	0.61	47.12	54	-6.88	-	-	94	106	H
			* 5.006445	45.74	RMS	34.4	-32.64	0.61	48.11	54	-5.89	-	-	94	106	H
			* 5.15	54.1	Pk	34.3	-32.62	0	55.78	-	-	74	-18.22	150	110	V
			* 5.108334	57.49	Pk	34.4	-32.69	0	59.2	-	-	74	-14.8	150	110	V
			* 5.15	44.13	RMS	34.3	-32.62	0.61	46.42	54	-7.58	-	-	150	110	V
			* 5.005472	45.79	RMS	34.4	-32.65	0.61	48.15	54	-5.85	-	-	150	110	V
HDRPS2	5162	6 + 16	* 5.15	59.33	Pk	34.3	-39.9	0	53.73	-	-	74	-20.27	320	104	H
			* 5.106918	61	Pk	34.3	-39.91	0	55.39	-	-	74	-18.61	320	104	H
			* 5.15	48.32	RMS	34.3	-39.9	0.34	43.06	54	-10.94	-	-	320	104	H
			* 5.149251	49.3	RMS	34.3	-39.9	0.34	44.04	54	-9.96	-	-	320	104	H
			* 5.15	58.52	Pk	34.3	-39.9	0	52.92	-	-	74	-21.08	264	151	V
			* 5.140057	60.85	Pk	34.3	-39.9	0	55.25	-	-	74	-18.75	264	151	V
			* 5.15	47.94	RMS	34.3	-39.9	0.34	42.68	54	-11.32	-	-	264	151	V
			* 5.13664	48.93	RMS	34.3	-39.9	0.34	43.67	54	-10.33	-	-	264	151	V
HDRPL12	5164	6 + 16	* 5.15	49.62	Pk	34.5	-23.5	0	60.62	-	-	74	-13.38	174	103	H
			* 5.149835	51.04	Pk	34.5	-23.5	0	62.04	-	-	74	-11.96	174	103	H
			* 5.15	37	RMS	34.5	-23.5	0.44	48.44	54	-5.56	-	-	174	103	H
			* 5.149501	37.56	RMS	34.5	-23.6	0.44	48.9	54	-5.1	-	-	174	103	H
			* 5.15	44.76	Pk	34.5	-23.5	0	55.76	-	-	74	-18.24	132	110	V
			* 5.149696	43.98	Pk	34.5	-23.5	0	54.98	-	-	74	-19.02	132	110	V
			* 5.15	31.21	RMS	34.5	-23.5	0.44	42.65	54	-11.35	-	-	132	110	V
			* 5.14989	31.68	RMS	34.5	-23.5	0.44	43.12	54	-10.88	-	-	132	110	V

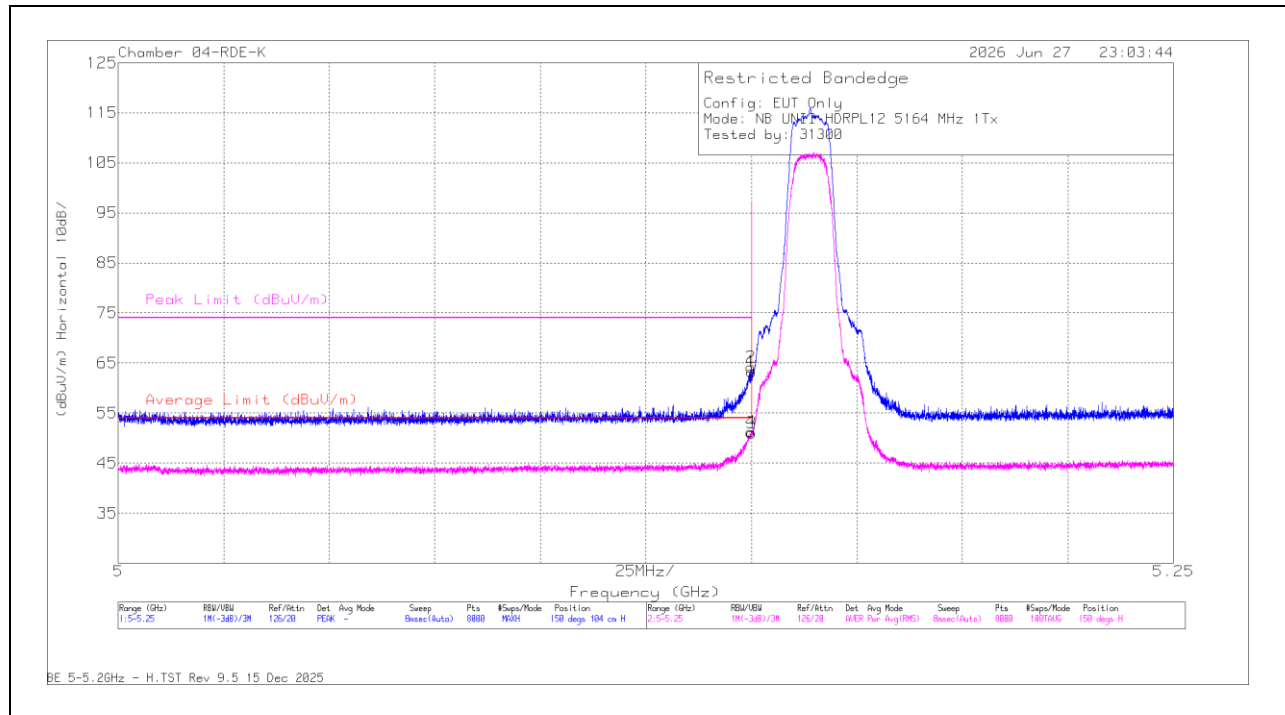
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

WORST-CASE LOW BANDEDGE **SISO Ant 16 / HDRPL12 - High Power – 5164MHz**

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206906 ACF (dBm)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	60	Pk	34.1	-30.8	0	63.3	-	-	74	-10.7	150	104	H
2	* 5.149957	60.91	Pk	34.1	-30.8	0	64.21	-	-	74	-9.79	150	104	H
3	* 5.15	47.34	RMS	34.1	-30.8	-44	51.08	54	-2.92	-	-	150	104	H
4	* 5.149988	47.53	RMS	34.1	-30.8	-44	51.27	54	-2.73	-	-	150	104	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

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	* 3.631517	58.34	PK-U	33.7	-47.34	0	44.7	-	-	74	-29.3	0	100	H
			* 3.630804	45.72	ADR	33.6	-47.35	1.16	33.13	54	-20.87	-	-	0	100	H
			* 3.616337	57.8	PK-U	33.4	-47.28	0	43.92	-	-	74	-30.08	0	201	V
			* 3.613383	45.63	ADR	33.4	-47.22	1.16	32.97	54	-21.03	-	-	0	201	V
			* 7.590288	55.22	PK-U	35.6	-43.85	0	46.97	-	-	74	-27.03	0	100	H
			* 7.556488	42.81	ADR	35.5	-43.83	1.16	35.64	54	-18.36	-	-	0	100	H
			* 7.577763	54.68	PK-U	35.6	-43.73	0	46.55	-	-	74	-27.45	0	100	V
			* 7.584185	43.03	ADR	35.6	-43.76	1.16	36.03	54	-17.97	-	-	0	100	V
			13.478146	55.08	PK-U	39.5	-43.16	0	51.42	-	-	68.2	-16.78	0	100	H
			13.458473	55.29	PK-U	39.5	-43.24	0	51.55	-	-	68.2	-16.65	0	100	V
			2.400209	60.26	PK-U	33.5	-50.16	0	43.6	-	-	68.2	-24.6	0	100	H
			2.412849	60.38	PK-U	33.8	-50.16	0	44.02	-	-	68.2	-24.18	0	201	V
	5203	6 + 16	* 7.453873	55.4	PK-U	35.5	-44.83	0	46.07	-	-	74	-27.93	0	100	H
			* 7.481059	43.56	ADR	35.4	-44.63	1.16	35.49	54	-18.51	-	-	0	100	H
			* 7.464548	55.86	PK-U	35.4	-44.82	0	46.44	-	-	74	-27.56	0	201	V
			* 7.453948	43.42	ADR	35.5	-44.83	1.16	35.25	54	-18.75	-	-	0	201	V
			13.248061	55.24	PK-U	39.1	-43.41	0	50.93	-	-	68.2	-17.27	0	100	H
			13.238434	54.83	PK-U	39.1	-43.43	0	50.5	-	-	68.2	-17.7	0	200	V
			2.46204	60.59	PK-U	34	-49.95	0	44.64	-	-	68.2	-23.56	0	100	H
			2.460366	60.93	PK-U	34	-49.97	0	44.96	-	-	68.2	-23.24	0	201	V
			* 7.537495	55.19	PK-U	35.5	-44.01	0	46.68	-	-	74	-27.32	0	100	H
			* 7.505891	43.31	ADR	35.5	-44.12	1.16	35.85	54	-18.15	-	-	0	100	H
			* 7.512346	54.84	PK-U	35.4	-44.02	0	46.22	-	-	74	-27.78	0	201	V
			* 7.509733	43.24	ADR	35.4	-44.07	1.16	35.73	54	-18.27	-	-	0	201	V
	5245	6 + 16	* 12.1113	55.14	PK-U	39.3	-43.11	0	51.33	-	-	74	-22.67	0	100	H
			* 12.115523	43.27	ADR	39.3	-43.16	1.16	40.57	54	-13.43	-	-	0	100	H
			* 12.119655	55.14	PK-U	39.3	-43.19	0	51.25	-	-	74	-22.75	0	200	V
			* 12.124611	43.28	ADR	39.3	-43.27	1.16	40.47	54	-13.53	-	-	0	200	V
LE1M	5162	6 + 16	* 2.294117	58.31	PK-U	31.7	-48.27	0	41.74	-	-	74	-32.26	360	100	H
			* 2.26941	46.79	ADR	31.8	-48.37	0.71	30.93	54	-23.07	-	-	360	100	H
			* 2.276656	58.54	PK-U	31.8	-48.24	0	42.1	-	-	74	-31.9	360	201	V
			* 2.264763	46.78	ADR	31.8	-48.46	0.71	30.83	54	-23.17	-	-	360	201	V
			* 3.831818	56.07	PK-U	33.3	-46.76	0	42.61	-	-	74	-31.39	360	100	H
			* 3.802465	44.36	ADR	33.3	-46.62	0.71	31.75	54	-22.25	-	-	360	100	H
			* 3.796951	57.18	PK-U	33.3	-46.62	0	43.86	-	-	74	-30.14	360	200	V
			* 3.797358	44.21	ADR	33.3	-46.62	0.71	31.6	54	-22.4	-	-	360	200	V
			10.365875	57.15	PK-U	37.5	-44.99	0	49.66	-	-	68.2	-18.54	91	106	H
			10.35909	56.36	PK-U	37.5	-44.9	0	48.96	-	-	68.2	-19.24	91	201	V
	5203	6 + 16	2.500963	58.59	PK-U	32.4	-48.38	0	42.61	-	-	68.2	-25.59	0	100	H
			* 2.499669	57.84	PK-U	32.4	-48.41	0	41.83	-	-	74	-32.17	0	201	V
			* 2.491036	46.26	ADR	32.4	-48.38	0.71	30.99	54	-23.01	-	-	0	201	V
			* 3.797867	56.96	PK-U	33.3	-46.61	0	43.65	-	-	74	-30.35	0	100	H
			* 3.77128	44.66	ADR	33.3	-46.79	0.71	31.88	54	-22.12	-	-	0	100	H
			* 3.780527	56.44	PK-U	33.3	-46.77	0	42.97	-	-	74	-31.03	0	200	V
			* 3.781294	44.1	ADR	33.3	-46.75	0.71	31.36	54	-22.64	-	-	0	200	V
			10.406164	57.06	PK-U	37.5	-45.31	0	49.25	-	-	68.2	-18.95	261	124	H
			10.416686	56.21	PK-U	37.5	-45.31	0	48.4	-	-	68.2	-19.8	261	201	V
	5245	6 + 16	* 2.24895	58.77	PK-U	31.9	-48.67	0	42	-	-	74	-32	0	100	H
			* 2.250637	47.1	ADR	31.9	-48.67	0.71	31.04	54	-22.96	-	-	0	100	H
			* 2.250011	58.64	PK-U	31.9	-48.67	0	41.87	-	-	74	-32.13	0	201	V
			* 2.251451	46.7	ADR	31.9	-48.67	0.71	30.64	54	-23.36	-	-	0	201	V
			3.176816	57.24	PK-U	32.9	-47.22	0	42.92	-	-	68.2	-25.28	0	100	H
			3.150736	56.23	PK-U	33	-47.24	0	41.99	-	-	68.2	-26.21	0	200	V
			10.38922	58.24	PK-U	37.5	-45.13	0	50.61	-	-	68.2	-17.59	267	126	H
			10.375342	55.81	PK-U	37.5	-44.9	0	48.41	-	-	68.2	-19.79	267	201	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

UNII-1 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cb/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LE2M	5162	6 + 16	2.595052	57.55	PK-U	32	-46.13	0	43.42	-	-	68.2	-24.78	0	100	H
			2.598512	57.74	PK-U	32	-46.22	0	43.52	-	-	68.2	-24.68	0	201	V
			10.322909	53.79	PK-U	37.4	-40.36	0	50.83	-	-	68.2	-17.37	0	100	H
			10.339109	52.61	PK-U	37.4	-40.49	0	49.52	-	-	68.2	-18.68	0	201	V
			15.34743	53.15	PK-U	39.8	-39.37	0	53.58	-	-	68.2	-14.62	0	100	H
			15.337367	53.12	PK-U	39.8	-39.28	0	53.64	-	-	68.2	-14.56	0	200	V
	5203	6 + 16	* 2.810368	57.92	PK-U	32.3	-47.53	0	42.69	-	-	74	-31.31	0	100	H
			* 2.786474	45.93	ADR	32.4	-47.95	2.46	32.84	54	-21.16	-	-	0	100	H
			* 2.784121	58.01	PK-U	32.4	-47.97	0	42.44	-	-	74	-31.56	0	201	V
			* 2.781201	45.54	ADR	32.4	-47.98	2.46	32.42	54	-21.58	-	-	0	201	V
			* 3.64509	56.34	PK-U	33.2	-46.68	0	42.86	-	-	74	-31.14	0	100	H
			* 3.630384	44.35	ADR	33.2	-46.87	2.46	33.14	54	-20.86	-	-	0	100	H
			* 3.661138	55.58	PK-U	33.2	-46.52	0	42.26	-	-	74	-31.74	0	200	V
			* 3.649658	43.75	ADR	33.2	-46.58	2.46	32.83	54	-21.17	-	-	0	200	V
			* 7.562941	54.43	PK-U	35.6	-44.29	0	45.74	-	-	74	-28.26	0	100	H
			* 7.569492	42.31	ADR	35.6	-44.39	2.46	35.98	54	-18.02	-	-	0	100	H
	5245	6 + 16	* 7.566119	53.98	PK-U	35.6	-44.36	0	45.22	-	-	74	-28.78	0	201	V
			* 7.56483	42	ADR	35.6	-44.34	2.46	35.72	54	-18.28	-	-	0	201	V
			3.331343	56.93	PK-U	32.7	-47.06	0	42.57	-	-	68.2	-25.63	0	100	H
			* 3.336763	56.67	PK-U	32.7	-46.95	0	42.42	-	-	74	-31.58	0	201	V
			* 3.336416	44.26	ADR	32.7	-46.96	2.46	32.46	54	-21.54	-	-	0	201	V
			* 3.993947	55.93	PK-U	33.4	-46.68	0	42.65	-	-	74	-31.35	0	100	H
			* 3.977147	44.2	ADR	33.4	-46.75	2.46	33.31	54	-20.69	-	-	0	100	H
			* 3.985794	55.69	PK-U	33.4	-46.71	0	42.38	-	-	74	-31.62	0	200	V
			* 3.978994	43.67	ADR	33.4	-46.73	2.46	32.8	54	-21.2	-	-	0	200	V
			8.608224	54.72	PK-U	36	-44.59	0	46.13	-	-	68.2	-22.07	0	100	H
			8.609532	54.51	PK-U	36	-44.57	0	45.94	-	-	68.2	-22.26	0	201	V
			2.56237	59.79	PK-U	33.2	-49.2	0	43.79	-	-	68.2	-24.41	0	100	H
	5162	6 + 16	2.564903	60.14	PK-U	33.2	-49.18	0	44.16	-	-	68.2	-24.04	0	201	V
			* 7.43655	55.21	PK-U	35.5	-44.82	0	45.89	-	-	74	-28.11	0	100	H
			* 7.443808	43.55	ADR	35.4	-44.75	0.66	34.86	54	-19.14	-	-	0	100	H
			* 7.46603	55.73	PK-U	35.4	-44.83	0	46.3	-	-	74	-27.7	0	201	V
			* 7.468408	43.49	ADR	35.4	-44.79	0.66	34.76	54	-19.24	-	-	0	201	V
			* 11.784504	54.74	PK-U	39	-43.38	0	50.36	-	-	74	-23.64	0	100	H
			* 11.811833	43.16	ADR	39.1	-43.26	0.66	39.66	54	-14.34	-	-	0	100	H
			* 11.815602	55.54	PK-U	39.1	-43.26	0	51.38	-	-	74	-22.62	0	201	V
			* 11.815802	43.11	ADR	39.1	-43.26	0.66	39.61	54	-14.39	-	-	0	201	V
	5203	6 + 16	2.583553	59.62	PK-U	33.2	-49.1	0	43.72	-	-	68.2	-24.48	0	100	H
			2.566779	59.74	PK-U	33.2	-49.18	0	43.76	-	-	68.2	-24.44	0	201	V
			10.222355	55.95	PK-U	37.4	-44.58	0	48.77	-	-	68.2	-19.43	0	100	H
			10.228686	55.29	PK-U	37.5	-44.65	0	48.14	-	-	68.2	-20.06	0	201	V
			14.188594	54.96	PK-U	39.4	-42.98	0	51.38	-	-	68.2	-16.82	0	100	H
			14.186056	54.49	PK-U	39.5	-43.02	0	50.97	-	-	68.2	-17.23	0	200	V
	5245	6 + 16	* 2.495608	60.36	PK-U	34	-49.65	0	44.71	-	-	74	-29.29	0	100	H
			* 2.492074	48.86	ADR	34	-49.68	0.66	33.84	54	-20.16	-	-	0	100	H
			* 2.497121	60.51	PK-U	34	-49.65	0	44.86	-	-	74	-29.14	0	201	V
			* 2.491208	49	ADR	33.9	-49.65	0.66	33.91	54	-20.09	-	-	0	201	V
			* 10.765069	56.65	PK-U	37.7	-44.5	0	49.85	-	-	74	-24.15	0	100	H
			* 10.763584	44.09	ADR	37.7	-44.55	0.66	37.9	54	-16.1	-	-	0	100	H
			* 10.767905	55.53	PK-U	37.7	-44.53	0	48.7	-	-	74	-25.3	0	201	V
			* 10.762047	44.31	ADR	37.7	-44.53	0.66	38.14	54	-15.86	-	-	0	201	V
			15.334354	55.57	PK-U	41.3	-43.25	0	53.62	-	-	68.2	-14.58	0	100	H
			15.305918	55.61	PK-U	41.2	-43.14	0	53.67	-	-	68.2	-14.53	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-5 (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
HDR8	5162	6 + 16	* 4.592644	58.74	PK-U	34.6	-47.93	0	45.41	-	-	74	-28.59	360	100	H
			* 4.591137	46.67	ADR	34.5	-47.95	1.28	34.5	54	-19.5	-	-	360	100	H
			* 4.589244	59	PK-U	34.5	-47.95	0	45.55	-	-	74	-28.45	360	201	V
			* 4.575097	46.56	ADR	34.5	-47.97	1.28	34.37	54	-19.63	-	-	360	201	V
			* 7.617664	57.14	PK-U	35.8	-46.41	0	46.53	-	-	74	-27.47	360	100	H
			* 7.611544	45.08	ADR	35.8	-46.49	1.28	35.67	54	-18.33	-	-	360	100	H
			* 7.614874	56.79	PK-U	35.8	-46.45	0	46.14	-	-	74	-27.86	360	201	V
			* 7.614038	45.19	ADR	35.8	-46.48	1.28	35.79	54	-18.21	-	-	360	201	V
			9.558263	56.77	PK-U	36.9	-46.01	0	47.66	-	-	68.2	-20.54	360	100	H
			9.566992	56.83	PK-U	36.9	-45.93	0	47.8	-	-	68.2	-20.4	360	200	V
			* 4.647892	58.23	PK-U	34.6	-47.87	0	44.96	-	-	74	-29.04	0	100	H
			* 4.661479	46.42	ADR	34.5	-47.92	1.28	34.28	54	-19.72	-	-	0	100	H
	5203	6 + 16	* 4.647772	58.19	PK-U	34.6	-47.87	0	44.92	-	-	74	-29.08	0	201	V
			* 4.644172	46.55	ADR	34.6	-47.91	1.28	34.52	54	-19.48	-	-	0	201	V
			7.205116	57.21	PK-U	35.7	-46.8	0	46.11	-	-	68.2	-22.09	0	100	H
			7.207732	57.51	PK-U	35.7	-46.79	0	46.42	-	-	68.2	-21.78	0	201	V
			8.875185	56.81	PK-U	36.4	-45.26	0	47.95	-	-	68.2	-20.25	0	100	H
			8.868156	56.83	PK-U	36.4	-45.13	0	48.1	-	-	68.2	-20.1	0	200	V
			* 4.593035	58.6	PK-U	34.6	-47.94	0	45.26	-	-	74	-28.74	0	100	H
			* 4.585961	46.91	ADR	34.5	-47.96	1.28	34.73	54	-19.27	-	-	0	100	H
	5245	6 + 16	* 4.599328	58.58	PK-U	34.6	-47.99	0	45.19	-	-	74	-28.81	0	201	V
			* 4.592248	46.99	ADR	34.6	-47.92	1.28	34.95	54	-19.05	-	-	0	201	V
			7.867545	56.42	PK-U	36	-45.68	0	46.74	-	-	68.2	-21.46	0	100	H
			7.877757	56.57	PK-U	36	-45.67	0	46.9	-	-	68.2	-21.3	0	201	V
			9.788776	57.72	PK-U	37.3	-46.25	0	48.77	-	-	68.2	-19.43	0	100	H
			9.781997	57.57	PK-U	37.3	-46.22	0	48.65	-	-	68.2	-19.55	0	200	V
HDRPM12	5164	6 + 16	2.598373	57.79	PK-U	32	-46.21	0	43.58	-	-	68.2	-24.62	0	100	H
			2.593793	57.15	PK-U	32	-46.13	0	43.02	-	-	68.2	-25.18	0	201	V
			10.325238	53.17	PK-U	37.4	-40.44	0	50.13	-	-	68.2	-18.07	0	100	H
			10.326424	52.9	PK-U	37.4	-40.46	0	49.84	-	-	68.2	-18.36	0	201	V
			15.32964	54.18	PK-U	39.8	-39.22	0	54.76	-	-	68.2	-13.44	0	100	H
			15.342871	53.69	PK-U	39.8	-39.36	0	54.13	-	-	68.2	-14.07	0	200	V
	5203	6 + 16	2.600536	57.31	PK-U	32	-46.23	0	43.08	-	-	68.2	-25.12	0	100	H
			2.618209	57.4	PK-U	31.9	-46.11	0	43.19	-	-	68.2	-25.01	0	201	V
			10.388618	53.37	PK-U	37.4	-40.48	0	50.29	-	-	68.2	-17.91	0	100	H
			10.416893	53.46	PK-U	37.4	-40.46	0	50.4	-	-	68.2	-17.8	0	201	V
			16.229724	52.49	PK-U	40.4	-39.12	0	53.77	-	-	68.2	-14.43	0	100	H
			16.208262	52.41	PK-U	40.4	-39.06	0	53.75	-	-	68.2	-14.45	0	200	V
	5245	6 + 16	* 11.868818	53.08	PK-U	38.5	-40.08	0	51.5	-	-	74	-22.5	0	100	H
			* 11.890142	41.17	ADR	38.5	-39.54	0.61	40.74	54	-13.26	-	-	0	100	H
			* 11.889735	52.98	PK-U	38.5	-39.56	0	51.92	-	-	74	-22.08	0	100	V
			* 11.88937	41.29	ADR	38.5	-39.59	0.61	40.81	54	-13.19	-	-	0	100	V
			* 16.074707	53.54	PK-U	40.4	-39.01	0	54.93	-	-	74	-19.07	0	100	H
			* 16.074179	41.31	ADR	40.4	-39	0.61	43.32	54	-10.68	-	-	0	100	H
			* 16.090794	53.12	PK-U	40.4	-39.04	0	54.48	-	-	74	-19.52	0	100	V
			* 16.09938	41.29	ADR	40.4	-39.03	0.61	43.27	54	-10.73	-	-	0	100	V
			* 2.365632	57.39	PK-U	32.1	-46.53	0	42.96	-	-	74	-31.04	0	100	H
			* 2.365872	45.79	ADR	32.1	-46.54	0.61	31.96	54	-22.04	-	-	0	100	H
			* 2.362379	58.02	PK-U	32.1	-46.44	0	43.68	-	-	74	-30.32	0	201	V
			* 2.367845	45.74	ADR	32.1	-46.6	0.61	31.85	54	-22.15	-	-	0	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-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
HDRPS2	5162	6 + 16	2.54553	60.32	PK-U	32.6	-49.61	0	43.31	-	-	68.2	-24.89	70	100	H
			2.550096	60.74	PK-U	32.6	-49.56	0	43.78	-	-	68.2	-24.42	70	201	V
			10.37477	57.35	PK-U	38	-46.14	0	49.21	-	-	68.2	-18.99	70	100	H
			10.405744	57.83	PK-U	37.9	-45.86	0	49.87	-	-	68.2	-18.33	70	201	V
			* 16.005482	56.87	PK-U	41.1	-43.92	0	54.05	-	-	74	-19.95	70	100	H
			* 15.969451	44.8	ADR	41.1	-43.58	0.34	42.66	54	-11.34	-	-	70	100	H
			* 15.975139	57.54	PK-U	41.1	-43.58	0	55.06	-	-	74	-18.94	70	200	V
			* 15.987246	44.76	ADR	41.2	-43.7	0.34	42.6	54	-11.4	-	-	70	200	V
			2.545983	60.98	PK-U	32.6	-49.6	0	43.98	-	-	68.2	-24.22	360	100	H
			2.544209	60.66	PK-U	32.6	-49.64	0	43.62	-	-	68.2	-24.58	360	201	V
			10.4983	57.36	PK-U	38	-45.86	0	49.5	-	-	68.2	-18.7	360	100	H
			10.490283	56.98	PK-U	38	-45.87	0	49.11	-	-	68.2	-19.09	360	201	V
	5203	6 + 16	* 15.738019	56.18	PK-U	41.2	-43.61	0	53.77	-	-	74	-20.23	360	100	H
			* 15.730224	44.5	ADR	41.2	-43.66	0.34	42.38	54	-11.62	-	-	360	100	H
			* 15.727534	56.47	PK-U	41.2	-43.7	0	53.97	-	-	74	-20.03	360	200	V
			* 15.733329	44.41	ADR	41.2	-43.64	0.34	42.31	54	-11.69	-	-	360	200	V
			* 2.790539	59.57	PK-U	32.2	-48.74	0	43.03	-	-	74	-30.97	360	100	H
			* 2.759139	48.13	ADR	31.9	-49.01	0.34	31.36	54	-22.64	-	-	360	100	H
			* 2.767512	59.88	PK-U	31.9	-48.95	0	42.83	-	-	74	-31.17	360	201	V
			* 2.796032	48.09	ADR	32.2	-48.75	0.34	31.88	54	-22.12	-	-	360	201	V
			10.526532	57.31	PK-U	38	-45.75	0	49.56	-	-	68.2	-18.64	360	100	H
			10.508554	57.2	PK-U	38	-45.77	0	49.43	-	-	68.2	-18.77	360	201	V
			* 16.054412	44.89	ADR	41	-43.95	0.34	42.28	54	-11.72	-	-	360	100	H
			* 16.04991	56.57	PK-U	41.1	-43.93	0	53.74	-	-	74	-20.26	360	100	H
	5245	6 + 16	* 16.041122	56.73	PK-U	41.1	-43.84	0	53.99	-	-	74	-20.01	360	201	V
			* 16.05614	44.87	ADR	41	-43.97	0.34	42.24	54	-11.76	-	-	360	201	V
HDRPL12	5164	6 + 16	1.940036	56.46	PK-U	30.6	-45.3	0	41.76	-	-	68.2	-26.44	0	200	H
			1.94576	56.09	PK-U	30.6	-45.3	0	41.39	-	-	68.2	-26.81	0	101	V
			8.594895	48.97	PK-U	36	-37.2	0	47.77	-	-	68.2	-20.43	0	200	H
			8.611911	48.62	PK-U	36	-37.3	0	47.32	-	-	68.2	-20.88	0	200	V
			16.555581	45.81	PK-U	41.3	-33.3	0	53.81	-	-	68.2	-14.39	0	200	H
			16.530392	46.12	PK-U	41.3	-33.3	0	54.12	-	-	68.2	-14.08	0	200	V
			1.88264	56.63	PK-U	31.2	-45.5	0	42.33	-	-	68.2	-25.87	0	101	H
			1.882697	56.78	PK-U	31.2	-45.5	0	42.48	-	-	68.2	-25.72	0	200	V
			7.03029	48.97	PK-U	35.8	-38.5	0	46.27	-	-	68.2	-21.93	0	101	H
			7.022674	48.93	PK-U	35.8	-38.5	0	46.23	-	-	68.2	-21.97	0	101	V
			13.794714	46.03	PK-U	38.6	-34.9	0	49.73	-	-	68.2	-18.47	0	101	H
			13.786544	46.24	PK-U	38.6	-34.9	0	49.94	-	-	68.2	-18.26	0	200	V
	5242	6 + 16	2.000834	57.46	PK-U	30.9	-45.6	0	42.76	-	-	68.2	-25.44	0	199	H
			1.996613	56.64	PK-U	31	-45.6	0	42.04	-	-	68.2	-26.16	0	199	V
			8.781396	48.65	PK-U	36.2	-37.1	0	47.75	-	-	68.2	-20.45	0	199	H
			8.777448	48.64	PK-U	36.2	-37.1	0	47.74	-	-	68.2	-20.46	0	101	V
			16.56327	45.68	PK-U	41.4	-33.2	0	53.88	-	-	68.2	-14.32	0	199	H
			16.575581	45.87	PK-U	41.4	-32.9	0	54.37	-	-	68.2	-13.83	0	200	V

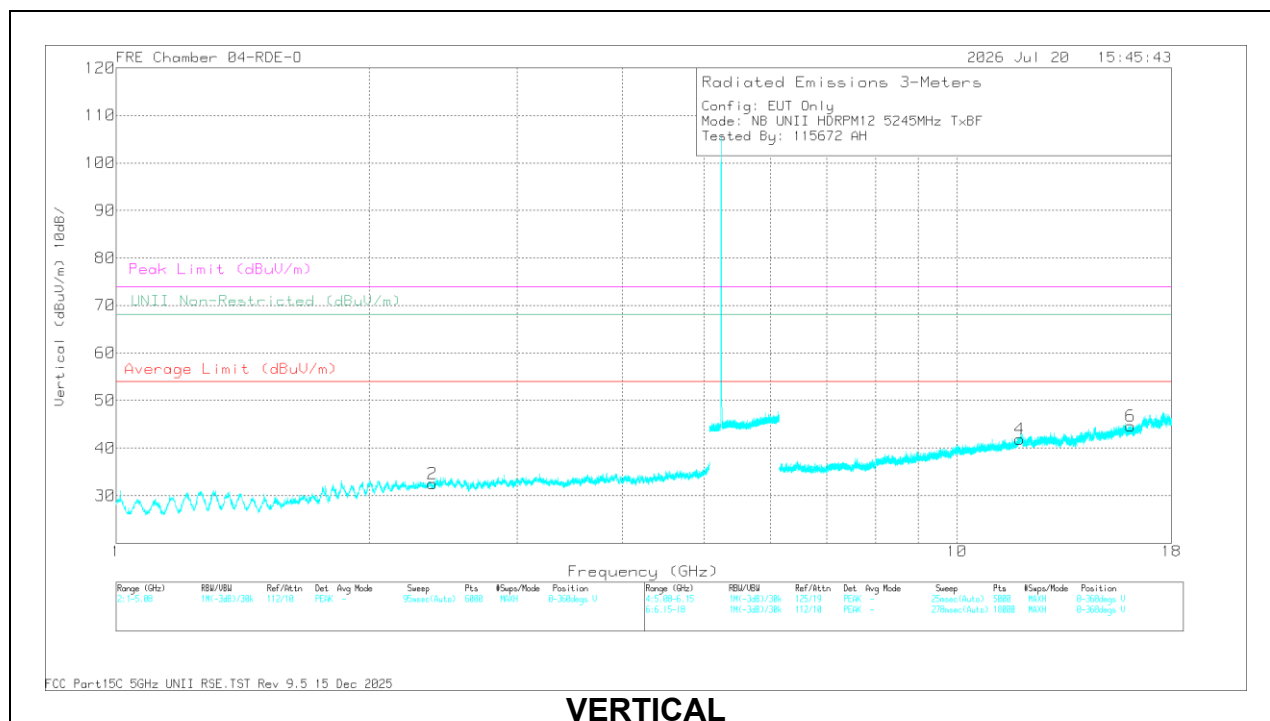
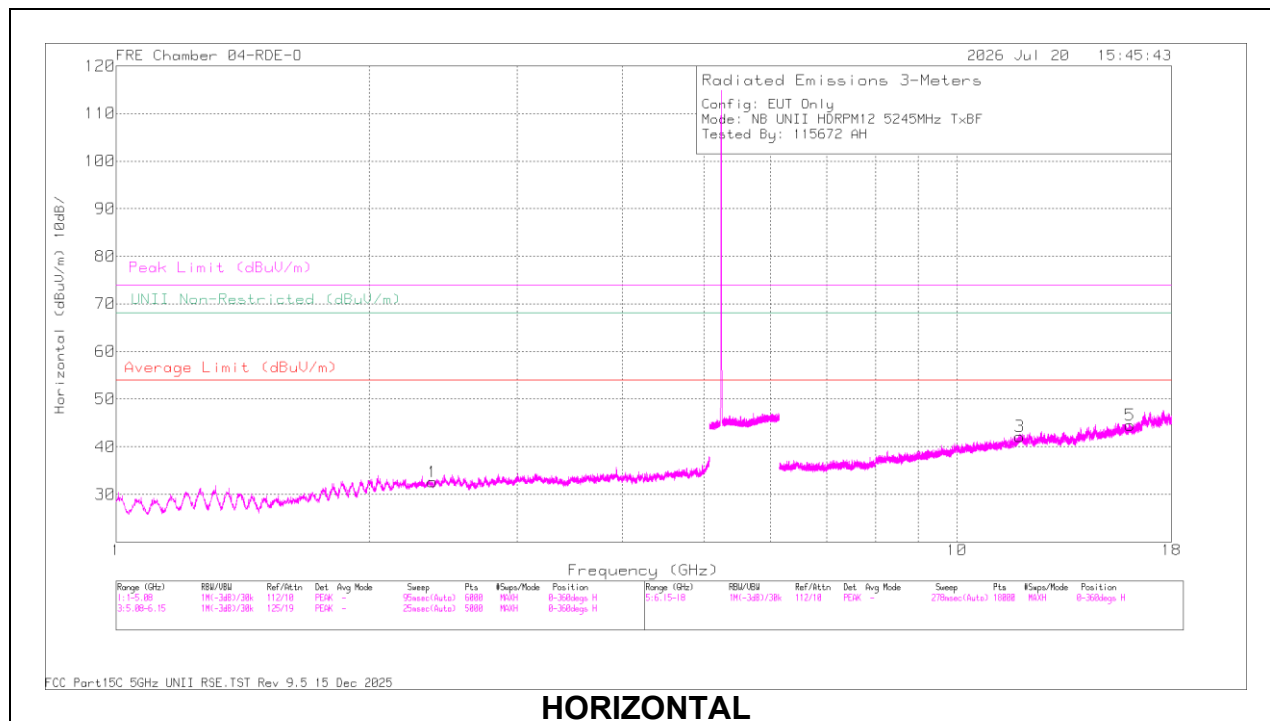
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

WORST-CASE HARMONICS AND SPURIOUS EMISSIONS

MIMO TXBF – HDRPM12 - High Power – 5245MHz



Radiated Emissions

Marker	Frequency (MHz)	Meas Reading (dBuV)	Out	200MHz ACF (dBm)	DOCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
1	* 11.868818	53.08	PK-U	38.5	0	-40.08	51.5	-	-	74	-22.5	0	100	H
	* 11.890142	41.17	ADR	38.5	61	-39.54	40.74	54	-13.26	-	-	0	100	H
2	* 11.890735	52.98	PK-U	38.5	0	-39.56	51.92	-	-	74	-22.08	0	100	V
	* 11.890737	41.29	ADR	38.5	61	-39.59	40.81	54	-13.19	-	-	0	100	V
3	* 16.074707	53.54	PK-U	40.4	0	-39.01	54.93	-	-	74	-19.07	0	100	H
	* 16.074179	41.31	ADR	40.4	61	-39	43.32	54	-19.68	-	-	0	100	H
4	* 16.090794	53.12	PK-U	40.4	0	-39.04	54.48	-	-	74	-19.52	0	100	V
	* 16.090938	41.29	ADR	40.4	61	-39.03	43.27	54	-10.73	-	-	0	100	V
5	* 2.365632	57.39	PK-U	32.1	0	-46.53	42.96	-	-	74	-31.04	0	100	H
	* 2.365872	45.79	ADR	32.1	61	-46.54	31.96	54	-22.04	-	-	0	100	H
6	* 2.362375	58.02	PK-U	32.1	0	-46.44	43.58	-	-	74	-30.32	0	201	V
	* 2.367845	45.74	ADR	32.1	61	-46.6	31.85	54	-22.15	-	-	0	201	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

UNII-3 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBm)	Det	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Conversion Factor (dB)	Correct Reading EIRP (dBm)	Pk Limit (dBm)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	5733	6	5.725	-69.39	Pk	34.5	-17	0	11.8	-40.09	27	-67.09	234	133	H
			5.630869	-66.73	Pk	34.3	-17	0	11.8	-37.63	-27	-10.63	234	133	H
			5.725	-68.81	Pk	34.5	-17	0	11.8	-39.51	27	-66.51	347	161	V
			5.628582	-67.5	Pk	34.3	-17	0	11.8	-38.4	-27	-11.4	347	161	V
		16	5.725	-52.2	Pk	34.7	-31.75	0	11.8	-37.45	27	-64.45	6	106	H
			5.6408	-49.85	Pk	34.7	-31.87	0	11.8	-35.22	-27	-8.22	6	106	H
			5.725	-51.97	Pk	34.7	-31.75	0	11.8	-37.22	27	-64.22	247	101	V
			5.6316	-50.13	Pk	34.7	-31.88	0	11.8	-35.51	-27	-8.51	247	101	V
	5844	6	5.85	-51.47	Pk	35	-31.62	0	11.8	-36.29	27	-63.29	149	204	H
			5.9356	-50.12	Pk	35.3	-31.41	0	11.8	-34.43	-27	-7.43	149	204	H
			5.85	-51.82	Pk	35	-31.62	0	11.8	-36.64	27	-63.64	172	193	V
			5.932375	-49.86	Pk	35.3	-31.38	0	11.8	-34.14	-27	-7.14	172	193	V
		16	5.85	-51.19	Pk	35	-31.62	0	11.8	-36.01	27	-63.01	270	112	H
			5.97025	-49.18	Pk	35.3	-31.35	0	11.8	-33.43	-27	-6.43	270	112	H
			5.85	-51.97	Pk	35	-31.62	0	11.8	-36.79	27	-63.79	323	106	V
			5.950675	-49.84	Pk	35.3	-31.39	0	11.8	-34.13	-27	-7.13	323	106	V
LE1M	5733	6	5.725	-52.12	Pk	34.5	-34.41	0	11.8	-40.23	27	-67.23	264	196	H
			5.649	-49.91	Pk	34.6	-34.51	0	11.8	-38.02	-27	-11.02	264	196	H
			5.725	-51.46	Pk	34.5	-34.41	0	11.8	-39.57	27	-66.57	300	245	V
			5.625983	-50.11	Pk	34.6	-34.57	0	11.8	-38.28	-27	-11.28	300	245	V
		16	5.725	-52.16	Pk	34.7	-31.75	0	11.8	-37.41	27	-64.41	57	211	H
			5.6359	-50.31	Pk	34.7	-31.87	0	11.8	-35.68	-27	-8.68	57	211	H
			5.725	-51.62	Pk	34.7	-31.75	0	11.8	-36.87	27	-63.87	311	198	V
			5.640367	-50.15	Pk	34.7	-31.88	0	11.8	-35.53	-27	-8.53	311	198	V
	5844	6	5.85	-51.95	Pk	35	-31.62	0	11.8	-36.77	27	-63.77	145	231	H
			5.9871	-50.04	Pk	35.3	-31.32	0	11.8	-34.26	-27	-7.26	145	231	H
			5.85	-51.93	Pk	35	-31.62	0	11.8	-36.75	27	-63.75	163	186	V
			5.977825	-49.53	Pk	35.3	-31.38	0	11.8	-33.81	-27	-6.81	163	186	V
		5	5.85	-51.15	Pk	35	-31.62	0	11.8	-35.97	27	-62.97	269	111	H
			5.943275	-49.73	Pk	35.3	-31.38	0	11.8	-34.01	-27	-7.01	269	111	H
			5.85	-50.87	Pk	35	-31.62	0	11.8	-35.69	27	-62.69	323	107	V
			5.9997	-49.6	Pk	35.3	-31.3	0	11.8	-33.8	-27	-6.8	323	107	V
LE2M	5733	6	5.725	-69.21	Pk	34.5	-17	0	11.8	-39.91	27	-66.91	303	167	H
			5.632501	-67.15	Pk	34.3	-17	0	11.8	-38.05	-27	-11.05	303	167	H
			5.725	-69.42	Pk	34.5	-17	0	11.8	-40.12	27	-67.12	53	150	V
			5.64469	-66.8	Pk	34.3	-17	0	11.8	-37.7	-27	-10.7	53	150	V
		16	5.725	-51.65	Pk	34.7	-31.75	0	11.8	-36.9	27	-63.9	333	216	H
			5.6305	-49.93	Pk	34.7	-31.88	0	11.8	-35.31	-27	-8.31	333	216	H
			5.725	-52.88	Pk	34.7	-31.75	0	11.8	-38.13	27	-65.13	312	198	V
			5.644434	-49.98	Pk	34.7	-31.84	0	11.8	-35.32	-27	-8.32	312	198	V
	5844	6	5.85	-51.62	Pk	35	-31.62	0	11.8	-36.44	27	-63.44	136	231	H
			5.968025	-49.93	Pk	35.3	-31.37	0	11.8	-34.2	-27	-7.2	136	231	H
			5.85	-50.97	Pk	35	-31.62	0	11.8	-35.79	27	-62.79	161	207	V
			5.93735	-49.89	Pk	35.3	-31.36	0	11.8	-34.15	-27	-7.15	161	207	V
		16	5.85	-51.31	Pk	35	-31.62	0	11.8	-36.13	27	-63.13	70	116	H
			5.926325	-49.69	Pk	35.3	-31.41	0	11.8	-34	-27	-7	70	116	H
			5.85	-52.25	Pk	35	-31.62	0	11.8	-37.07	27	-64.07	222	121	V
			5.95855	-49.67	Pk	35.3	-31.41	0	11.8	-33.98	-27	-6.98	222	121	V

Pk - Peak detector

UNII-3 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBm)	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
HDT8	5733	6	5.725	-47.61	Pk	34.7	-31.75	0	11.8	-32.86	27	-59.86	133	185	H
			5.633617	-50.25	Pk	34.7	-31.87	0	11.8	-35.62	-27	-8.62	133	185	H
			5.725	-47.51	Pk	34.7	-31.75	0	11.8	-32.76	27	-59.76	172	212	V
			5.6368	-50.09	Pk	34.7	-31.89	0	11.8	-35.48	-27	-8.48	172	212	V
		16	5.725	-66.19	Pk	34.5	-17	0	11.8	-36.89	27	-63.89	331	193	H
			5.63282	-66.71	Pk	34.3	-17	0	11.8	-37.61	-27	-10.61	331	193	H
			5.725	-69.91	Pk	34.5	-17	0	11.8	-40.61	27	-67.61	277	192	V
			5.637358	-67.9	Pk	34.3	-17	0	11.8	-38.8	-27	-11.8	277	192	V
	5844	6	5.85	-67.61	Pk	34.9	-16	0	11.8	-36.91	27	-63.91	237	142	H
			5.962902	-67.01	Pk	35.2	-16.1	0	11.8	-36.11	-27	-9.11	237	142	H
			5.85	-63.27	Pk	34.9	-16	0	11.8	-32.57	27	-59.57	355	175	V
			5.935954	-67.61	Pk	35.1	-15.9	0	11.8	-36.61	-27	-9.61	355	175	V
		16	5.85	-58.95	Pk	34.9	-16	0	11.8	-28.25	27	-55.25	337	189	H
			5.935335	-67.35	Pk	35.1	-15.9	0	11.8	-36.35	-27	-9.35	337	189	H
			5.85	-66.03	Pk	34.9	-16	0	11.8	-35.33	27	-62.33	272	192	V
			5.952916	-67.5	Pk	35.2	-16	0	11.8	-36.5	-27	-9.5	272	192	V
HDR4	5733	6	5.725	-69.22	Pk	34.5	-17	0	11.8	-39.92	27	-66.92	319	210	H
			5.643508	-67.27	Pk	34.3	-17.1	0	11.8	-38.27	-27	-11.27	319	210	H
			5.725	-69.27	Pk	34.5	-17	0	11.8	-39.97	27	-66.97	352	164	V
			5.647877	-66.92	Pk	34.3	-17.1	0	11.8	-37.92	-27	-10.92	352	164	V
		16	5.725	-50.28	Pk	34.7	-31.75	0	11.8	-35.53	27	-62.53	8	105	H
			5.639834	-49.64	Pk	34.7	-31.89	0	11.8	-35.03	-27	-8.03	8	105	H
			5.725	-52.21	Pk	34.7	-31.75	0	11.8	-37.46	27	-64.46	257	333	V
			5.629767	-49.67	Pk	34.7	-31.89	0	11.8	-35.06	-27	-8.06	257	333	V
	5844	6	5.85	-69.32	Pk	34.9	-16	0	11.8	-38.62	27	-65.62	229	140	H
			5.931172	-67.66	Pk	35.1	-15.9	0	11.8	-36.66	-27	-9.66	229	140	H
			5.85	-66.2	Pk	34.9	-16	0	11.8	-35.5	27	-62.5	352	168	V
			5.985742	-67.36	Pk	35.2	-16.1	0	11.8	-36.46	-27	-9.46	352	168	V
		16	5.85	-45.78	Pk	35	-33.1	0	11.8	-32.08	27	-59.08	172	241	H
			5.973253	-55.55	Pk	35.3	-32.9	0	11.8	-41.35	-27	-14.35	172	241	H
			5.85	-53.03	Pk	35	-33.1	0	11.8	-39.33	27	-66.33	160	311	V
			5.98954	-56.42	Pk	35.3	-32.9	0	11.8	-42.22	-27	-15.22	160	311	V
HDR8	5733	6	5.725	-66.15	Pk	34.5	-17	0	11.8	-36.85	27	-63.85	305	152	H
			5.625244	-67.44	Pk	34.3	-17	0	11.8	-38.34	-27	-11.34	305	152	H
			5.725	-64.56	Pk	34.5	-17	0	11.8	-35.26	27	-62.26	344	201	V
			5.644971	-67.23	Pk	34.3	-17	0	11.8	-38.13	-27	-11.13	344	201	V
		16	5.725	-43.43	Pk	34.7	-31.75	0	11.8	-28.68	27	-55.68	6	105	H
			5.62605	-49.82	Pk	34.7	-31.92	0	11.8	-35.24	-27	-8.24	6	105	H
			5.725	-50.38	Pk	34.7	-31.75	0	11.8	-35.63	27	-62.63	248	138	V
			5.644434	-50.22	Pk	34.7	-31.84	0	11.8	-35.56	-27	-8.56	248	138	V
	5844	6	5.85	-34.64	Pk	34.9	-34.4	0	11.8	-22.34	27	-49.34	258	389	H
			5.9579	-49.15	Pk	35.2	-34.31	0	11.8	-36.46	-27	-9.46	258	389	H
			5.85	-30.17	Pk	34.9	-34.4	0	11.8	-17.87	27	-44.87	297	134	V
			5.93655	-49.55	Pk	35.1	-34.34	0	11.8	-36.99	-27	-9.99	297	134	V
		16	5.85	-33.73	Pk	35	-31.62	0	11.8	-18.55	27	-45.55	271	111	H
			5.989625	-49.54	Pk	35.3	-31.32	0	11.8	-33.76	-27	-6.76	271	111	H
			5.85	-41.81	Pk	35	-31.62	0	11.8	-26.63	27	-53.63	324	105	V
			5.996675	-50.25	Pk	35.3	-31.28	0	11.8	-34.43	-27	-7.43	324	105	V
HDRPL12	5733	6	5.725	-61.9	Pk	34.5	-17	0	11.8	-32.6	27	-59.6	241	103	H
			5.630101	-67.3	Pk	34.3	-17.1	0	11.8	-38.3	-27	-11.3	241	103	H
			5.725	-61	Pk	34.5	-17	0	11.8	-31.7	27	-58.7	245	118	V
			5.635389	-67.53	Pk	34.3	-17.1	0	11.8	-38.53	-27	-11.53	245	118	V
		16	5.725	-36.6	Pk	34.8	-33.3	0	11.8	-23.3	27	-50.3	346	106	H
			5.641989	-53.63	Pk	34.7	-33.5	0	11.8	-40.63	-27	-13.63	346	106	H
			5.725	-46.11	Pk	34.8	-33.3	0	11.8	-32.81	27	-59.81	302	140	V
			5.639477	-55.41	Pk	34.7	-33.5	0	11.8	-42.41	-27	-15.41	302	140	V
	5844	6	5.85	-27.91	Pk	35	-31.62	0	11.8	-12.73	27	-39.73	146	234	H
			5.992025	-49.71	Pk	35.3	-31.35	0	11.8	-33.96	-27	-6.96	146	234	H
			5.85	-25.27	Pk	35	-31.62	0	11.8	-10.09	27	-37.09	162	161	V
			5.95225	-49.33	Pk	35.3	-31.39	0	11.8	-33.62	-27	-6.62	162	161	V
		16	5.85	-43.02	Pk	34.9	-16	0	11.8	-12.32	27	-39.32	333	172	H
			5.944815	-67.16	Pk	35.2	-15.9	0	11.8	-36.06	-27	-9.06	333	172	H
			5.85	-51.91	Pk	34.9	-16	0	11.8	-21.21	27	-48.21	279	191	V
			5.925996	-67.07	Pk	35.1	-15.9	0	11.8	-36.07	-27	-9.07	279	191	V

Pk - Peak detector

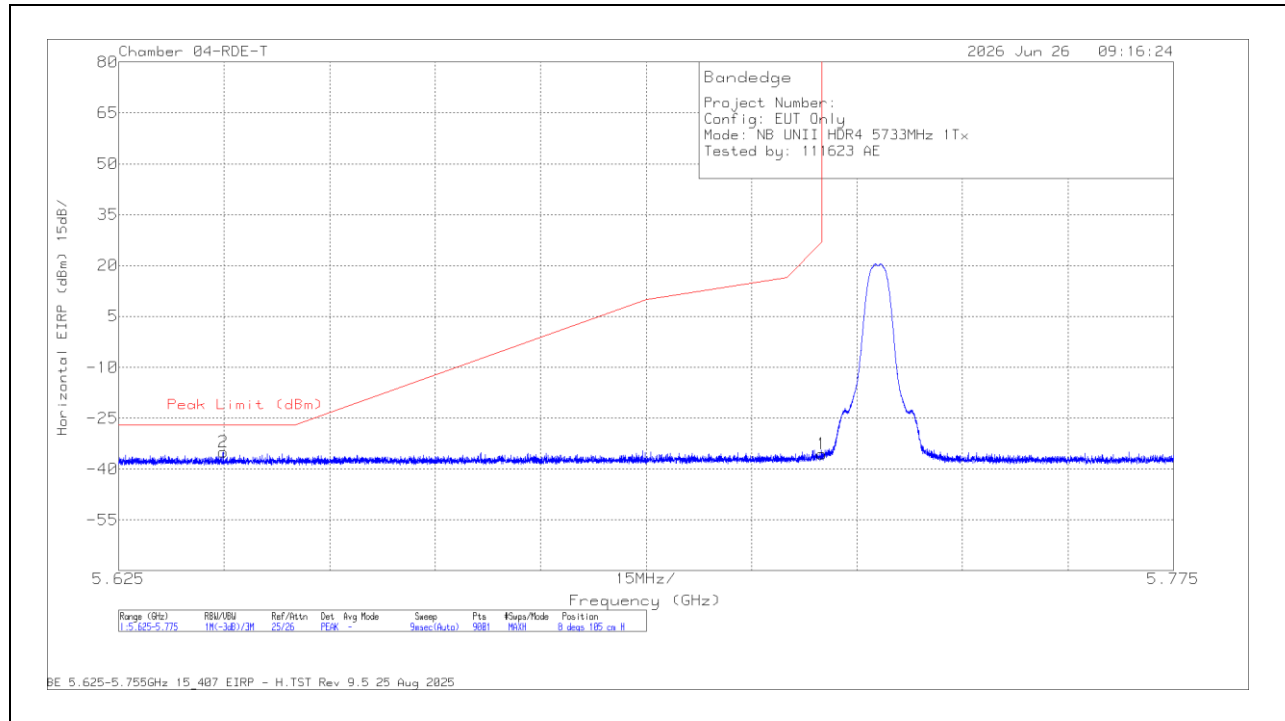
9.1.5. UNII-3 BAND MIMO TXBF MODE – BANDEDGE – HIGH POWER

UNII-3 (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBm)	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	-48.85	Pk	34.8	-36.54	0	11.8	-38.79	27	-65.79	95	234	H
			5.641917	-48.11	Pk	34.6	-36.64	0	11.8	-38.35	-27	-11.35	95	234	H
			5.725	-50.98	Pk	34.8	-36.54	0	11.8	-40.92	27	-67.92	41	191	V
			5.636317	-48.88	Pk	34.6	-36.62	0	11.8	-39.1	-27	-12.1	41	191	V
	5844	6 + 16	5.85	-52.28	Pk	35	-33.1	0	11.8	-38.58	27	-65.58	173	102	H
			5.92895	-54.7	Pk	35.2	-33	0	11.8	-40.7	-27	-13.7	173	102	H
			5.85	-56.57	Pk	35	-33.1	0	11.8	-42.87	27	-69.87	128	366	V
			5.963633	-55.64	Pk	35.3	-32.8	0	11.8	-41.34	-27	-14.34	128	366	V
LE1M	5733	6 + 16	5.725	-58.04	Pk	34.8	-33.3	0	11.8	-44.74	27	-71.74	358	104	H
			5.631038	-55.26	Pk	34.6	-33.5	0	11.8	-42.36	-27	-15.36	358	104	H
			5.725	-58.13	Pk	34.8	-33.3	0	11.8	-44.83	27	-71.83	308	160	V
			5.641371	-56.01	Pk	34.7	-33.5	0	11.8	-43.01	-27	-16.01	308	160	V
	5844	6 + 16	5.85	-53.74	Pk	35	-33.1	0	11.8	-40.04	27	-67.04	113	101	H
			5.925687	-54.02	Pk	35.2	-33	0	11.8	-40.02	-27	-13.02	113	101	H
			5.85	-57.28	Pk	35	-33.1	0	11.8	-43.58	27	-70.58	167	103	V
			5.97345	-55.3	Pk	35.3	-32.9	0	11.8	-41.1	-27	-14.1	167	103	V
LE2M	5733	6 + 16	5.725	-53.74	Pk	34.8	-33.3	0	11.8	-40.44	27	-67.44	354	103	H
			5.641483	-53.5	Pk	34.7	-33.5	0	11.8	-40.5	-27	-13.5	354	103	H
			5.725	-58.88	Pk	34.8	-33.3	0	11.8	-45.58	27	-72.58	308	174	V
			5.630907	-56.2	Pk	34.6	-33.5	0	11.8	-43.3	-27	-16.3	308	174	V
	5844	6 + 16	5.85	-51.72	Pk	35	-33.1	0	11.8	-38.02	27	-65.02	173	101	H
			5.986699	-54.1	Pk	35.3	-32.9	0	11.8	-39.9	-27	-12.9	173	101	H
			5.85	-56.91	Pk	35	-33.1	0	11.8	-43.21	27	-70.21	134	365	V
			5.976376	-55.75	Pk	35.3	-32.8	0	11.8	-41.45	-27	-14.45	134	365	V
HDT8	5733	6 + 16	5.725	-41.6	Pk	34.5	-34.1	0	11.8	-29.4	27	-56.4	297	249	H
			5.642384	-49.76	Pk	34.3	-34.22	0	11.8	-37.88	-27	-10.88	297	249	H
			5.725	-51.24	Pk	34.5	-34.1	0	11.8	-39.04	27	-66.04	243	218	V
			5.6325	-50.48	Pk	34.3	-34.23	0	11.8	-38.61	-27	-11.61	243	218	V
	5844	6 + 16	5.85	-35.14	Pk	35	-31.62	0	11.8	-19.96	27	-46.96	320	215	H
			5.95505	-49.56	Pk	35.3	-31.44	0	11.8	-33.9	-27	-6.9	320	215	H
			5.85	-45.66	Pk	35	-31.62	0	11.8	-30.48	27	-57.48	304	229	V
			5.92915	-49.19	Pk	35.3	-31.42	0	11.8	-33.51	-27	-6.51	304	229	V
HDR4	5733	6 + 16	5.725	-52.7	Pk	34.8	-33.3	0	11.8	-39.4	27	-66.4	350	104	H
			5.641295	-54.68	Pk	34.7	-33.5	0	11.8	-41.68	-27	-14.68	350	104	H
			5.725	-57.43	Pk	34.8	-33.3	0	11.8	-44.13	27	-71.13	306	147	V
			5.646527	-55.72	Pk	34.7	-33.5	0	11.8	-42.72	-27	-15.72	306	147	V
	5844	6 + 16	5.85	-40.21	Pk	35	-31.62	0	11.8	-25.03	27	-52.03	326	217	H
			5.95085	-49.19	Pk	35.3	-31.38	0	11.8	-33.47	-27	-6.47	326	217	H
			5.85	-48.44	Pk	35	-31.62	0	11.8	-33.26	27	-60.26	259	197	V
			5.932625	-49.63	Pk	35.3	-31.38	0	11.8	-33.91	-27	-6.91	259	197	V
HDR8	5733	6 + 16	5.725	-43.87	Pk	34.8	-33.3	0	11.8	-30.57	27	-57.57	354	131	H
			5.633851	-54.21	Pk	34.6	-33.5	0	11.8	-41.31	-27	-14.31	354	131	H
			5.725	-53.67	Pk	34.8	-33.3	0	11.8	-40.37	27	-67.37	300	182	V
			5.650034	-56.04	Pk	34.7	-33.5	0	11.8	-43.04	-26.97	-16.07	300	182	V
	5844	6 + 16	5.85	-33.96	Pk	35	-33.1	0	11.8	-20.26	27	-47.26	177	130	H
			5.959611	-54.95	Pk	35.3	-32.9	0	11.8	-40.75	-27	-13.75	177	130	H
			5.85	-40.32	Pk	35	-33.1	0	11.8	-26.62	27	-53.62	116	186	V
			5.975729	-55.3	Pk	35.3	-32.9	0	11.8	-41.1	-27	-14.1	116	186	V
HDRPL12	5733	6 + 16	5.725	-26.78	Pk	34.8	-36.54	0	11.8	-16.72	27	-43.72	284	231	H
			5.643867	-47.99	Pk	34.6	-36.61	0	11.8	-38.2	-27	-11.2	284	231	H
			5.725	-37	Pk	34.8	-36.54	0	11.8	-26.94	27	-53.94	213	193	V
			5.63985	-49.42	Pk	34.6	-36.61	0	11.8	-39.63	-27	-12.63	213	193	V
	5844	6 + 16	5.85	-18.89	Pk	35	-31.62	0	11.8	-3.71	27	-30.71	145	237	H
			5.96805	-49.59	Pk	35.3	-31.37	0	11.8	-33.86	-27	-6.86	145	237	H
			5.85	-27.2	Pk	35	-31.62	0	11.8	-12.02	27	-39.02	83	156	V
			5.996325	-50.06	Pk	35.3	-31.29	0	11.8	-34.25	-27	-7.25	83	156	V

Pk - Peak detector

WORST-CASE LOW BANDEDGE **SISO Ant 16 – HDR4- High Power – 5733MHz**

HORIZONTAL RESULT

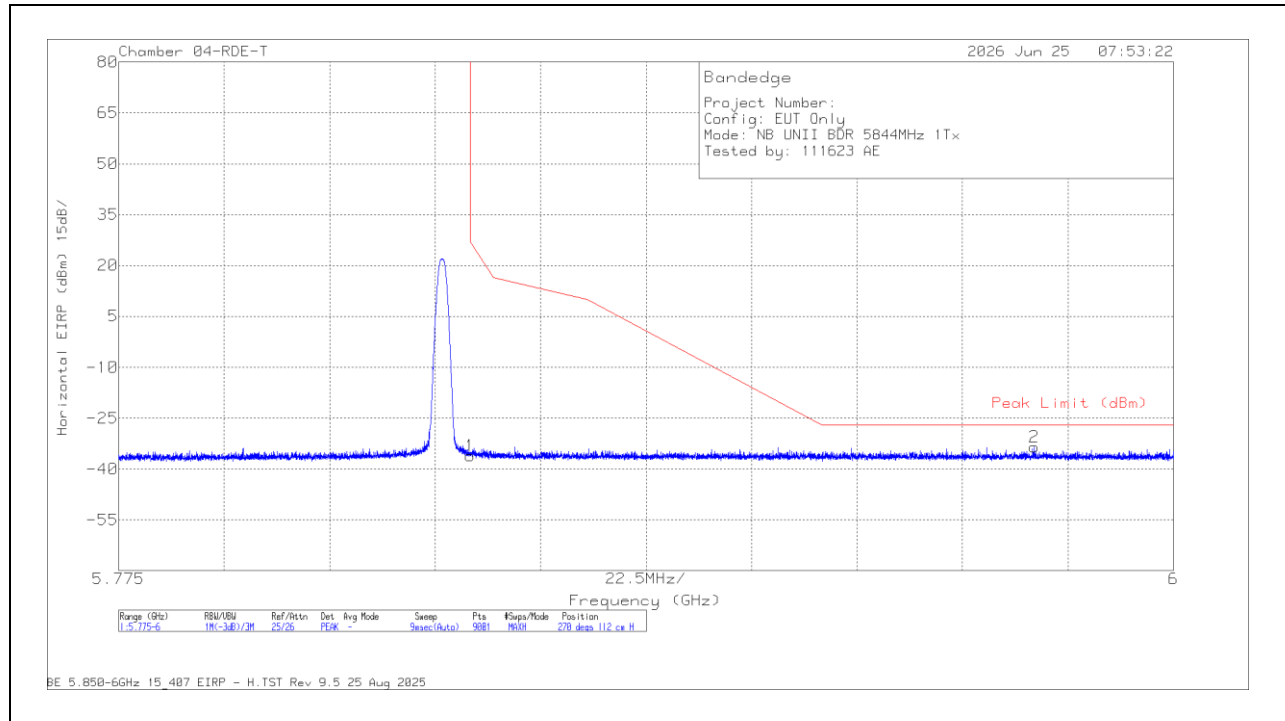


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	79834 ACF (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-50.28	Pk	34.7	11.8	0	-31.75	-35.53	27	-62.53	8	105	H
2	5.639834	-49.64	Pk	34.7	11.8	0	-31.89	-35.03	-27	-8.03	8	105	H

Pk - Peak detector

WORST-CASE HIGH BANDEDGE **SISO Ant 16 – BDR - High Power – 5844MHz**

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	79834 ACF (dB/m)	Gain/Loss (dB)	DCCF (dB)	Conversion Factor (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-51.19	Pk	35	-31.62	0	11.8	-36.01	27	-63.01	270	112	H
2	5.97025	-49.18	Pk	35.3	-31.35	0	11.8	-33.43	-27	-6.43	270	112	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	2.402816	60.72	PK-U	33.6	-50.2	0	44.12	-	-	68.2	-24.08	0	100	H
			2.400343	60.11	PK-U	33.5	-50.17	0	43.44	-	-	68.2	-24.76	0	201	V
			7.217776	55.3	PK-U	35.4	-44.11	0	46.59	-	-	68.2	-21.61	0	100	H
			7.218355	55.37	PK-U	35.4	-44.1	0	46.67	-	-	68.2	-21.53	0	201	V
			13.576741	55.17	PK-U	39.5	-43.13	0	51.54	-	-	68.2	-16.66	0	100	H
			13.576332	55.46	PK-U	39.5	-43.13	0	51.83	-	-	68.2	-16.37	0	200	V
	5788	6 + 16	2.414509	60.47	PK-U	33.8	-50.2	0	44.07	-	-	68.2	-24.13	0	100	H
			2.419789	60.4	PK-U	33.1	-50.08	0	43.42	-	-	68.2	-24.78	0	201	V
			* 7.631869	55.05	PK-U	35.6	-44.52	0	46.13	-	-	74	-27.87	0	100	H
			* 7.631745	43.36	ADR	35.6	-44.53	1.16	35.59	54	-18.41	-	-	0	100	H
			* 7.643872	55.25	PK-U	35.6	-44.54	0	46.31	-	-	74	-27.69	0	201	V
			* 7.639335	43.41	ADR	35.6	-44.48	1.16	35.69	54	-18.31	-	-	0	201	V
			13.897599	55.09	PK-U	39.6	-43.07	0	51.62	-	-	68.2	-16.58	0	100	H
			13.911639	54.66	PK-U	39.6	-42.95	0	51.31	-	-	68.2	-16.89	0	200	V
			* 2.337751	58.44	PK-U	31.8	-48.57	0	41.67	-	-	74	-32.33	360	100	H
			* 2.352218	46.53	ADR	31.9	-48.65	1.16	30.94	54	-23.06	-	-	360	100	H
	5844	6 + 16	* 2.345025	58.61	PK-U	31.8	-48.61	0	41.8	-	-	74	-32.2	360	100	V
			* 2.346105	46.6	ADR	31.8	-48.62	1.16	30.94	54	-23.06	-	-	360	100	V
			* 7.50586	54.87	PK-U	35.6	-44.39	0	46.08	-	-	74	-27.92	360	100	H
			* 7.488465	42.9	ADR	35.6	-44.4	1.16	35.26	54	-18.74	-	-	360	100	H
			* 7.51319	54.7	PK-U	35.6	-44.33	0	45.97	-	-	74	-28.03	360	100	V
			* 7.497794	42.65	ADR	35.6	-44.31	1.16	35.1	54	-18.9	-	-	360	100	V
			* 12.518466	55.07	PK-U	38.6	-43.28	0	50.39	-	-	74	-23.61	360	100	H
			* 12.508746	43.49	ADR	38.6	-43.02	1.16	40.23	54	-13.77	-	-	360	100	H
			* 12.516542	43.37	ADR	38.6	-43.3	1.16	39.83	54	-14.17	-	-	360	100	V
			* 12.510014	55.03	PK-U	38.6	-43.1	0	50.53	-	-	74	-23.47	360	100	V
LE1M	5733	6 + 16	* 2.840598	56.46	PK-U	32.9	-46.1	0	43.26	-	-	74	-30.74	1	101	H
			* 2.844611	44.83	ADR	32.9	-46.1	0.71	32.34	54	-21.66	-	-	1	101	H
			* 2.879659	56.39	PK-U	33	-46	0	43.39	-	-	74	-30.61	1	101	V
			* 2.844999	44.89	ADR	32.9	-46.1	0.71	32.4	54	-21.6	-	-	1	101	V
			* 11.44474	52.88	PK-U	38.3	-40.3	0	50.88	-	-	74	-23.12	1	101	H
			* 11.452016	41.05	ADR	38.3	-40.3	0.71	39.76	54	-14.24	-	-	1	101	H
			* 11.451485	52.66	PK-U	38.3	-40.3	0	50.66	-	-	74	-23.34	1	101	V
			* 11.457241	40.86	ADR	38.4	-40.4	0.71	39.57	54	-14.43	-	-	1	101	V
			17.157528	53.17	PK-U	41.5	-38.1	0	56.57	-	-	68.2	-11.63	1	101	H
			17.175245	52.97	PK-U	41.5	-38.1	0	56.37	-	-	68.2	-11.83	1	101	V
	5788	6 + 16	* 2.894556	56.8	PK-U	33	-45.8	0	44	-	-	74	-30	360	101	H
			* 2.896503	44.67	ADR	33	-45.8	0.71	32.58	54	-21.42	-	-	360	101	H
			* 2.895083	56.44	PK-U	33	-45.8	0	43.64	-	-	74	-30.36	360	101	V
			* 2.898963	44.66	ADR	33	-45.8	0.71	32.57	54	-21.43	-	-	360	101	V
			* 11.590724	51.66	PK-U	38.8	-40.2	0	50.26	-	-	74	-23.74	360	101	H
			* 11.582546	39.94	ADR	38.8	-40	0.71	39.45	54	-14.55	-	-	360	101	H
			* 11.627369	52.03	PK-U	38.9	-39.6	0	51.33	-	-	74	-22.67	360	199	V
			* 11.618325	39.62	ADR	38.9	-39.5	0.71	39.73	54	-14.27	-	-	360	199	V
			17.341501	53.03	PK-U	41.1	-38.8	0	55.33	-	-	68.2	-12.87	360	199	H
			17.340802	53.32	PK-U	41.1	-38.8	0	55.62	-	-	68.2	-12.58	360	199	V
	5844	6 + 16	2.955893	55.34	PK-U	33.3	-45.3	0	43.34	-	-	68.2	-24.86	0	101	H
			2.952839	55.59	PK-U	33.3	-45.3	0	43.59	-	-	68.2	-24.61	0	101	V
			* 11.70196	51.66	PK-U	39.1	-40.1	0	50.66	-	-	74	-23.34	0	101	H
			* 11.693938	39.97	ADR	39.1	-39.9	0.71	39.88	54	-14.12	-	-	0	101	H
			* 11.689764	51.51	PK-U	39.1	-39.7	0	50.91	-	-	74	-23.09	0	200	V
			* 11.704142	39.86	ADR	39.1	-40.2	0.71	39.47	54	-14.53	-	-	0	200	V
			17.50697	52.56	PK-U	41	-38.2	0	55.36	-	-	68.2	-12.84	0	200	H
			17.507768	52.85	PK-U	41	-38.2	0	55.65	-	-	68.2	-12.55	0	200	V
			2.955893	55.34	PK-U	33.3	-45.3	0	43.34	-	-	68.2	-24.86	0	101	H
			2.952839	55.59	PK-U	33.3	-45.3	0	43.59	-	-	68.2	-24.61	0	101	V
			* 11.70196	51.66	PK-U	39.1	-40.1	0	50.66	-	-	74	-23.34	0	101	H
			* 11.693938	39.97	ADR	39.1	-39.9	0.71	39.88	54	-14.12	-	-	0	101	H

* - 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	* 11.472619	52.14	PK-U	38.4	-40.2	0	50.34	-	-	74	-23.66	360	101	H
			* 11.452699	40.36	ADR	38.3	-40.3	2.46	40.82	54	-13.18	-	-	360	101	H
			* 11.476497	52.29	PK-U	38.4	-40	0	50.69	-	-	74	-23.31	360	101	V
			* 11.451955	40.24	ADR	38.3	-40.3	2.46	40.7	54	-13.3	-	-	360	101	V
			* 2.846452	55.78	PK-U	32.9	-46.1	0	42.58	-	-	74	-31.42	360	101	H
			* 2.845025	44.21	ADR	32.9	-46.1	2.46	33.47	54	-20.53	-	-	360	101	H
			* 2.848439	55.8	PK-U	32.9	-46.1	0	42.6	-	-	74	-31.4	360	200	V
			* 2.847272	43.99	ADR	32.9	-46.1	2.46	33.25	54	-20.75	-	-	360	200	V
			17.152328	52.18	PK-U	41.5	-38	0	55.68	-	-	68.2	-12.52	360	199	H
			17.150608	52.76	PK-U	41.5	-38	0	56.26	-	-	68.2	-11.94	360	199	V
			* 2.694347	58.67	PK-U	32.2	-47.72	0	43.15	-	-	74	-30.85	0	100	H
			* 2.69002	46.02	ADR	32.2	-47.75	2.46	32.93	54	-21.07	-	-	0	100	H
	5788	6 + 16	* 2.69332	57.76	PK-U	32.2	-47.73	0	42.23	-	-	74	-31.77	0	100	V
			* 2.689774	45.94	ADR	32.2	-47.75	2.46	32.85	54	-21.15	-	-	0	100	V
			* 7.438973	55.14	PK-U	35.6	-44.54	0	46.2	-	-	74	-27.8	0	100	H
			* 7.414342	43.16	ADR	35.6	-44.91	2.46	36.31	54	-17.69	-	-	0	100	H
			* 7.42108	54.92	PK-U	35.6	-44.82	0	45.7	-	-	74	-28.3	0	100	V
			* 7.408338	43.05	ADR	35.6	-44.96	2.46	36.15	54	-17.85	-	-	0	100	V
			12.736932	55.33	PK-U	38.8	-41.83	0	52.3	-	-	68.2	-15.9	0	100	H
			12.757258	54.79	PK-U	38.7	-42.57	0	50.92	-	-	68.2	-17.28	0	100	V
			* 7.639974	55.53	PK-U	35.6	-45.06	0	46.07	-	-	74	-27.93	0	100	H
			* 7.627276	43.38	ADR	35.6	-45.09	2.46	36.35	54	-17.65	-	-	0	100	H
			* 7.6092	55.42	PK-U	35.6	-44.87	0	46.15	-	-	74	-27.85	0	100	V
			* 7.64132	43.27	ADR	35.6	-45.07	2.46	36.26	54	-17.74	-	-	0	100	V
HDT8	5733	6 + 16	* 11.836626	54.79	PK-U	38.9	-43.68	0	50.01	-	-	74	-23.99	0	100	H
			* 11.826395	43.4	ADR	38.9	-43.6	2.46	41.16	54	-12.84	-	-	0	100	H
			* 11.817832	55.62	PK-U	38.9	-43.65	0	50.87	-	-	74	-23.13	0	100	V
			* 11.843059	43.31	ADR	38.9	-43.69	2.46	40.98	54	-13.02	-	-	0	100	V
			3.447908	56.13	PK-U	32.6	-46.99	0	41.74	-	-	68.2	-26.46	0	100	H
			3.443328	56.52	PK-U	32.6	-46.91	0	42.21	-	-	68.2	-25.99	0	100	V
	5788	6 + 16	* 2.839806	59.11	PK-U	32.7	-48.32	0	43.49	-	-	74	-30.51	0	100	H
			* 2.841626	47.41	ADR	32.8	-48.3	0.66	32.57	54	-21.43	-	-	0	100	H
			* 2.833619	59.05	PK-U	32.7	-48.34	0	43.41	-	-	74	-30.59	0	201	V
			* 2.829179	47.03	ADR	32.6	-48.43	0.66	31.86	54	-22.14	-	-	0	201	V
			* 11.094815	54.95	PK-U	37.7	-44.16	0	48.49	-	-	74	-25.51	0	100	H
			* 11.106366	43.54	ADR	37.7	-44.13	0.66	37.77	54	-16.23	-	-	0	100	H
			* 11.106171	55.11	PK-U	37.7	-44.13	0	48.68	-	-	74	-25.32	0	201	V
			* 11.108046	43.35	ADR	37.7	-44.11	0.66	37.6	54	-16.4	-	-	0	201	V
			* 16.085573	55.47	PK-U	40.9	-42.12	0	54.25	-	-	74	-19.75	0	100	H
			* 16.082484	43.64	ADR	40.9	-42.08	0.66	43.12	54	-10.88	-	-	0	100	H
			* 16.086656	43.18	ADR	40.9	-42.1	0.66	42.64	54	-11.36	-	-	0	200	V
			* 16.069932	54.62	PK-U	40.9	-42.14	0	53.38	-	-	74	-20.62	0	200	V
	5788	6 + 16	* 2.776675	59.06	PK-U	32.8	-48.68	0	43.18	-	-	74	-30.82	0	100	H
			* 2.775749	47.39	ADR	32.8	-48.69	0.66	32.16	54	-21.84	-	-	0	100	H
			* 2.736388	58.94	PK-U	33	-48.74	0	43.2	-	-	74	-30.8	0	201	V
			* 2.740728	47.31	ADR	32.9	-48.7	0.66	32.17	54	-21.83	-	-	0	201	V
			* 10.861379	55.84	PK-U	37.7	-44.39	0	49.15	-	-	74	-24.85	0	100	H
			* 10.847406	43.85	ADR	37.7	-44.3	0.66	37.91	54	-16.09	-	-	0	100	H
			* 10.857498	55.68	PK-U	37.7	-44.36	0	49.02	-	-	74	-24.98	0	201	V
			* 10.847249	43.91	ADR	37.7	-44.31	0.66	37.96	54	-16.04	-	-	0	201	V
			15.206124	56.12	PK-U	41	-43.25	0	53.87	-	-	68.2	-14.33	0	100	H
			15.196334	55.28	PK-U	41	-43.19	0	53.09	-	-	68.2	-15.11	0	200	V
	5844	6 + 16	* 9.371309	51.66	PK-U	36.6	-40.5	0	47.76	-	-	74	-26.24	92	101	H
			* 9.335207	40.02	ADR	36.5	-40.6	0.66	36.58	54	-17.42	-	-	92	101	H
			* 9.368549	52.13	PK-U	36.6	-40.5	0	48.23	-	-	74	-25.77	92	101	V
			* 9.33658	40.26	ADR	36.5	-40.6	0.66	36.82	54	-17.18	-	-	92	101	V
			* 15.665496	53.53	PK-U	41.1	-39.5	0	55.13	-	-	74	-18.87	92	101	H
			* 15.665518	41.18	ADR	41.1	-39.5	0.66	43.44	54	-10.56	-	-	92	101	H
			* 15.660803	53.12	PK-U	41.1	-39.5	0	54.72	-	-	74	-19.28	92	199	V
			* 15.665332	41.31	ADR	41.1	-39.5	0.66	43.57	54	-10.43	-	-	92	199	V
			2.4208	57.46	PK-U	32.3	-46.2	0	43.56	-	-	68.2	-24.64	360	200	H
			2.423519	58.22	PK-U	32.3	-46.2	0	44.32	-	-	68.2	-23.88	92	109	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	2.17578	55.54	PK-U	31.6	-44.29	0	42.85	-	-	68.2	-25.35	341	123	H
			2.185393	55.28	PK-U	31.7	-44.22	0	42.76	-	-	68.2	-25.44	98	106	V
			3.499023	53.57	PK-U	32.6	-42.55	0	43.62	-	-	68.2	-24.58	353	131	H
			3.492878	53.23	PK-U	32.6	-42.53	0	43.3	-	-	68.2	-24.9	21	244	V
			* 11.960882	50.94	PK-U	39.6	-38.5	0	52.04	-	-	74	-21.96	25	139	H
			* 11.962499	39.09	ADR	39.6	-38.51	1.28	41.46	54	-12.54	-	-	25	139	H
			* 11.963116	51.04	PK-U	39.6	-38.5	0	52.14	-	-	74	-21.86	276	179	V
			* 11.962378	39.27	ADR	39.6	-38.51	1.28	41.64	54	-12.36	-	-	276	179	V
			* 2.890338	56.53	PK-U	32.6	-45.66	0	43.47	-	-	74	-30.53	0	100	H
			* 2.899491	44.86	ADR	32.6	-45.67	1.28	33.07	54	-20.93	-	-	0	100	H
			* 2.883811	56.84	PK-U	32.6	-45.63	0	43.81	-	-	74	-30.19	0	201	V
			* 2.895651	44.97	ADR	32.6	-45.68	1.28	33.17	54	-20.83	-	-	0	201	V
	5788	6 + 16	* 11.581214	52.6	PK-U	38.1	-39.56	0	51.14	-	-	74	-22.86	0	100	H
			* 11.59165	40.83	ADR	38.1	-39.39	1.28	40.82	54	-13.18	-	-	0	100	H
			* 11.607467	52.66	PK-U	38.1	-39.63	0	51.13	-	-	74	-22.87	0	201	V
			* 11.586663	40.87	ADR	38.1	-39.48	1.28	40.77	54	-13.23	-	-	0	201	V
			* 17.701014	52.86	PK-U	41.4	-38.02	0	56.24	-	-	74	-17.76	0	100	H
			* 17.721098	40.82	ADR	41.4	-38.38	1.28	45.12	54	-8.88	-	-	0	100	H
			* 17.713502	52.39	PK-U	41.4	-38.43	0	55.36	-	-	74	-18.64	0	200	V
			* 17.710836	40.65	ADR	41.4	-38.35	1.28	44.98	54	-9.02	-	-	0	200	V
			* 2.853422	57.26	PK-U	32.4	-45.86	0	43.8	-	-	74	-30.2	0	100	H
			* 2.847049	45.47	ADR	32.4	-46.01	1.28	33.14	54	-20.86	-	-	0	100	H
			* 2.842422	57.49	PK-U	32.4	-46.02	0	43.87	-	-	74	-30.13	0	201	V
			* 2.841762	45.38	ADR	32.4	-46.02	1.28	33.04	54	-20.96	-	-	0	201	V
	5844	6 + 16	* 12.121921	53.21	PK-U	38.7	-40.1	0	51.81	-	-	74	-22.19	0	100	H
			* 12.116458	41.28	ADR	38.7	-40.03	1.28	41.23	54	-12.77	-	-	0	100	H
			* 12.123347	53.27	PK-U	38.7	-40.14	0	51.83	-	-	74	-22.17	0	201	V
			* 12.116854	41.32	ADR	38.7	-40.03	1.28	41.27	54	-12.73	-	-	0	201	V
			* 17.752324	52.91	PK-U	41.4	-38.14	0	56.17	-	-	74	-17.83	0	100	H
			* 17.719199	41.08	ADR	41.4	-38.41	1.28	45.35	54	-8.65	-	-	0	100	H
			* 17.719613	52.31	PK-U	41.4	-38.4	0	55.31	-	-	74	-18.69	0	200	V
			* 17.733813	40.63	ADR	41.4	-38.14	1.28	45.17	54	-8.83	-	-	0	200	V
			* 2.745748	57.6	PK-U	32.2	-46.01	0	43.79	-	-	74	-30.21	360	100	H
			* 2.748315	45.26	ADR	32.2	-46.02	1.28	32.72	54	-21.28	-	-	360	100	H
			* 2.749688	57.18	PK-U	32.2	-46.03	0	43.35	-	-	74	-30.65	360	100	V
			* 2.748928	45.39	ADR	32.2	-46.03	1.28	32.84	54	-21.16	-	-	360	100	V
HDR8	5733	6 + 16	* 11.708628	53.31	PK-U	38.3	-39.61	0	52	-	-	74	-22	360	100	H
			* 11.709655	40.97	ADR	38.3	-39.63	1.28	40.92	54	-13.08	-	-	360	100	H
			* 11.711886	52.53	PK-U	38.3	-39.68	0	51.15	-	-	74	-22.85	360	201	V
			* 11.717153	40.85	ADR	38.3	-39.86	1.28	40.57	54	-13.43	-	-	360	201	V
			* 17.786666	52.88	PK-U	41.4	-37.31	0	56.97	-	-	74	-17.03	360	100	H
			* 17.793746	41.06	ADR	41.4	-37.44	1.28	46.3	54	-7.7	-	-	360	100	H
			* 17.776702	51.94	PK-U	41.4	-37.49	0	55.85	-	-	74	-18.15	360	200	V
			* 17.77836	40.52	ADR	41.4	-37.48	1.28	45.72	54	-8.28	-	-	360	200	V
	5788	6 + 16	2.431847	56.99	PK-U	32.3	-46.2	0	43.09	-	-	68.2	-25.11	123	275	H
			2.414283	60.02	PK-U	32.2	-46.2	0	46.02	-	-	68.2	-22.18	271	181	V
			* 8.253656	51.72	PK-U	36	-40.1	0	47.62	-	-	74	-26.38	271	198	H
			* 8.265092	40.2	ADR	36	-40.2	1.28	37.28	54	-16.72	-	-	271	198	H
			* 8.259301	51.98	PK-U	36	-40.2	0	47.78	-	-	74	-26.22	271	101	V
			* 8.263541	40.12	ADR	36	-40.2	1.28	37.2	54	-16.8	-	-	271	101	V
			* 15.71358	53.48	PK-U	41	-39.8	0	54.68	-	-	74	-19.32	271	101	H
			* 15.724566	41.5	ADR	41.1	-39.9	1.28	43.98	54	-10.02	-	-	271	101	H
			* 15.697095	53.58	PK-U	41.1	-39.3	0	55.38	-	-	74	-18.62	271	101	V
			* 15.709762	41.47	ADR	41.1	-39.7	1.28	44.15	54	-9.85	-	-	271	101	V
	5844	6 + 16	2.581471	56.26	PK-U	32.6	-46	0	42.86	-	-	68.2	-25.34	360	101	H
			2.584911	55.99	PK-U	32.6	-46	0	42.59	-	-	68.2	-25.61	360	101	V
			* 9.353964	52.15	PK-U	36.6	-40.4	0	48.35	-	-	74	-25.65	360	200	H
			* 9.356586	39.99	ADR	36.6	-40.4	1.28	37.47	54	-16.53	-	-	360	200	H
			* 9.36039	51.9	PK-U	36.6	-40.4	0	48.1	-	-	74	-25.9	360	200	V
			* 9.361648	39.74	ADR	36.6	-40.4	1.28	37.22	54	-16.78	-	-	360	200	V
			* 15.564499	52.39	PK-U	41.1	-39	0	54.49	-	-	74	-19.51	360	101	H
			* 15.57645	40.6	ADR	41	-38.9	1.28	43.98	54	-10.02	-	-	360	101	H
			* 15.575585	52.18	PK-U	41	-38.9	0	54.28	-	-	74	-19.72	360	200	V
			* 15.579363	40.62	ADR	41	-39	1.28	43.9	54	-10.1	-	-	360	200	V

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

PK-U - U-NII: Maximum Peak

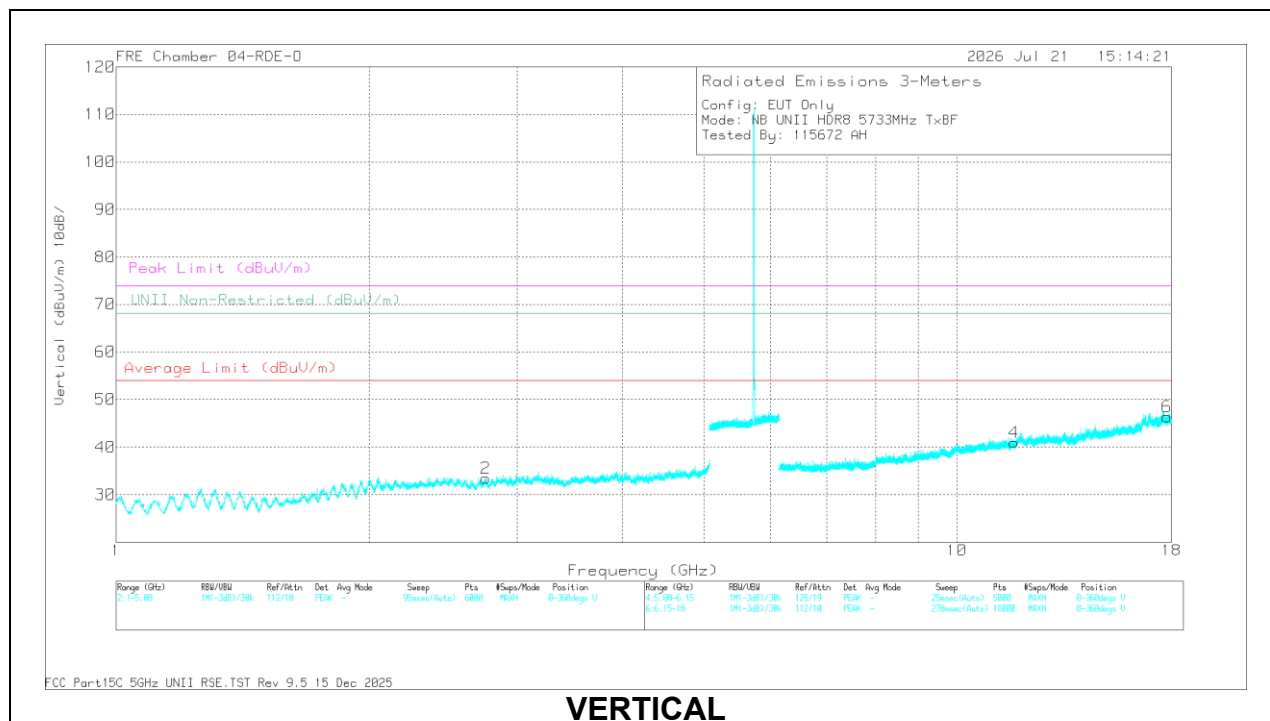
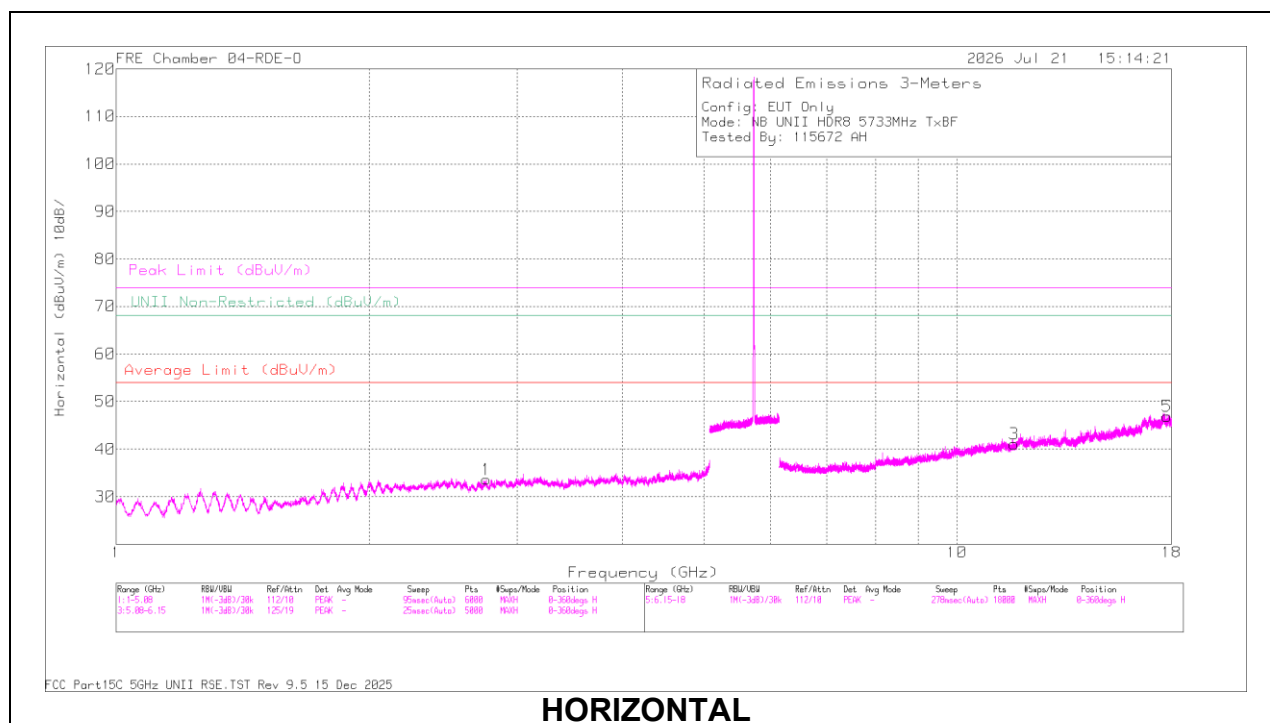
ADR - U-NII AD primary method, RMS average

UNII-3 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDRPL12	5733	6 + 16	* 2.886881	58.05	PK-U	32.5	-46.62	0	43.93	-	-	74	-30.07	360	101	H
			* 2.887861	46.88	ADR	32.5	-46.6	0.44	33.22	54	-20.78	-	-	360	101	H
			* 2.885834	58.32	PK-U	32.4	-46.63	0	44.09	-	-	74	-29.91	360	101	V
			* 2.882468	46.71	ADR	32.4	-46.59	0.44	32.96	54	-21.04	-	-	360	101	V
			* 11.462583	56.68	PK-U	38.1	-44.22	0	50.56	-	-	74	-23.44	360	200	H
			* 11.456001	44.43	ADR	38.1	-44.41	0.44	38.56	54	-15.44	-	-	360	200	H
			* 11.451208	55.31	PK-U	38.1	-44.41	0	49	-	-	74	-25	360	101	V
			* 11.456986	43.36	ADR	38.1	-44.4	0.44	37.5	54	-16.5	-	-	360	101	V
			17.193469	57.38	PK-U	41.7	-43.62	0	55.46	-	-	68.2	-12.74	360	101	H
			17.205512	58.03	PK-U	41.7	-44.34	0	55.39	-	-	68.2	-12.81	360	101	V
			2.907998	57.1	PK-U	32.7	-46.4	0	43.4	-	-	68.2	-24.8	0	200	H
			* 2.880885	56.83	PK-U	32.6	-46.6	0	42.83	-	-	74	-31.17	0	101	V
	5788	6 + 16	* 2.879152	45.39	ADR	32.6	-46.6	0.44	31.83	54	-22.17	-	-	0	101	V
			* 11.569226	52.15	PK-U	38.2	-40	0	50.35	-	-	74	-23.65	0	200	H
			* 11.572484	39.99	ADR	38.2	-40	0.44	38.63	54	-15.37	-	-	0	200	H
			* 11.558485	51.66	PK-U	38.2	-40	0	49.86	-	-	74	-24.14	0	200	V
			* 11.55976	40.15	ADR	38.2	-40	0.44	38.79	54	-15.21	-	-	0	200	V
			17.349995	50.22	PK-U	41.4	-36.4	0	55.22	-	-	68.2	-12.98	0	200	V
			17.355821	50.25	PK-U	41.4	-36.4	0	55.25	-	-	68.2	-12.95	0	101	H
			2.938203	58.33	PK-U	32.8	-46.3	0	44.83	-	-	68.2	-23.37	0	101	H
			2.913643	56.96	PK-U	32.7	-46.4	0	43.26	-	-	68.2	-24.94	0	101	V
			* 11.687137	51.45	PK-U	38.4	-40.1	0	49.75	-	-	74	-24.25	0	200	H
			* 11.687306	40.17	ADR	38.4	-40.1	0.44	38.91	54	-15.09	-	-	0	200	H
			* 11.723047	52.77	PK-U	38.4	-40.1	0	51.07	-	-	74	-22.93	0	200	V
	5844	6 + 16	* 11.68958	39.98	ADR	38.4	-40.1	0.44	38.72	54	-15.28	-	-	0	200	V
			17.536714	49.66	PK-U	41.6	-36	0	55.26	-	-	68.2	-12.94	0	200	H
			17.54338	50.71	PK-U	41.6	-36	0	56.31	-	-	68.2	-11.89	0	200	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

WORST-CASE HARMONICS AND SPURIOUS EMISSIONS
MIMO TXBF – HDR8 - High Power – 5733MHz

Radiated Emissions

Marker	Frequency (MHz)	Meas Reading (dBm)	Dist	200MHz ACI (dBm)	DOCF (dB)	Gain/Loss (dB)	Corrected Reading (dBm)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (m)	Height (m)	Polarity
1	* 2.745748	57.6	PK-U	32.2	0	-46.01	43.79	-	-	74	-30.21	360	100	H
	* 2.748315	45.26	ADR	32.2	1.28	-46.02	32.72	54	-21.28	-	-	360	100	H
2	* 2.749698	57.18	PK-U	32.2	0	-46.03	43.35	-	-	74	-30.65	360	100	V
	* 2.749628	45.39	ADR	32.2	1.28	-46.03	32.84	54	-21.16	-	-	360	100	V
3	* 11.708628	53.31	PK-U	38.3	0	-39.61	52	-	-	74	-22	360	100	H
	* 11.709655	40.97	ADR	38.3	1.28	-39.63	40.92	54	-13.08	-	-	360	100	H
4	* 11.711886	52.53	PK-U	38.3	0	-39.68	51.15	-	-	74	-22.85	360	201	V
	* 11.717153	40.85	ADR	38.3	1.28	-39.86	40.57	54	-13.43	-	-	360	201	V
5	* 17.786666	52.88	PK-U	41.4	0	-37.31	56.97	-	-	74	-17.03	360	100	H
	* 17.793746	41.06	ADR	41.4	1.28	-37.44	46.3	54	-7.7	-	-	360	100	H
6	* 17.770702	51.94	PK-U	41.4	0	-37.49	56.85	-	-	74	-18.15	360	200	V
	* 17.77836	40.52	ADR	41.4	1.28	-37.48	45.72	54	-8.28	-	-	360	200	V

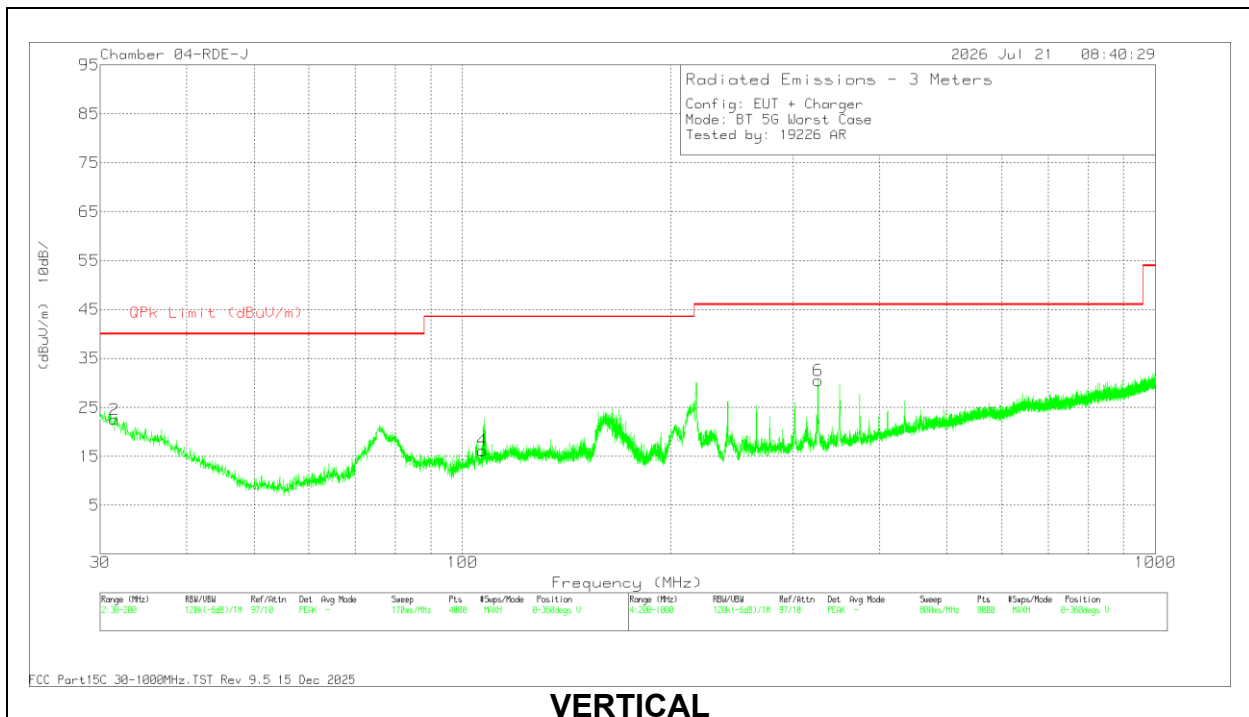
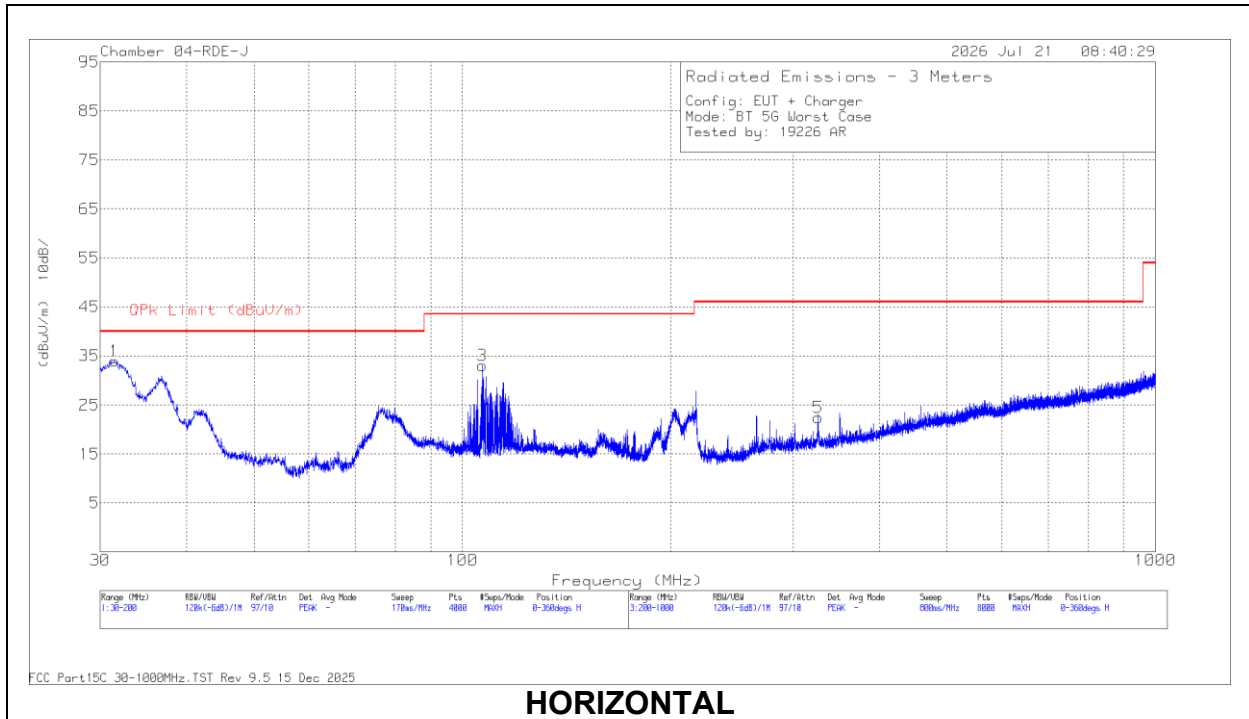
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.2. WORST CASE BELOW 1 GHz

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



Below 1GHz Data

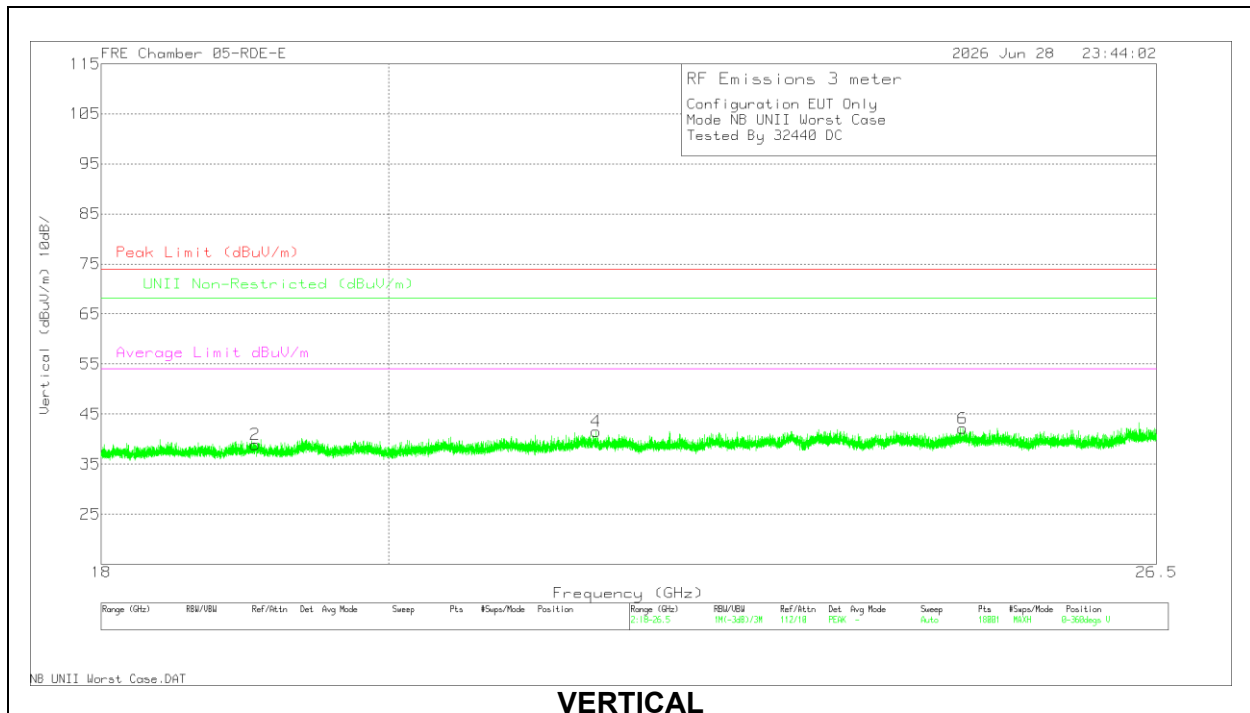
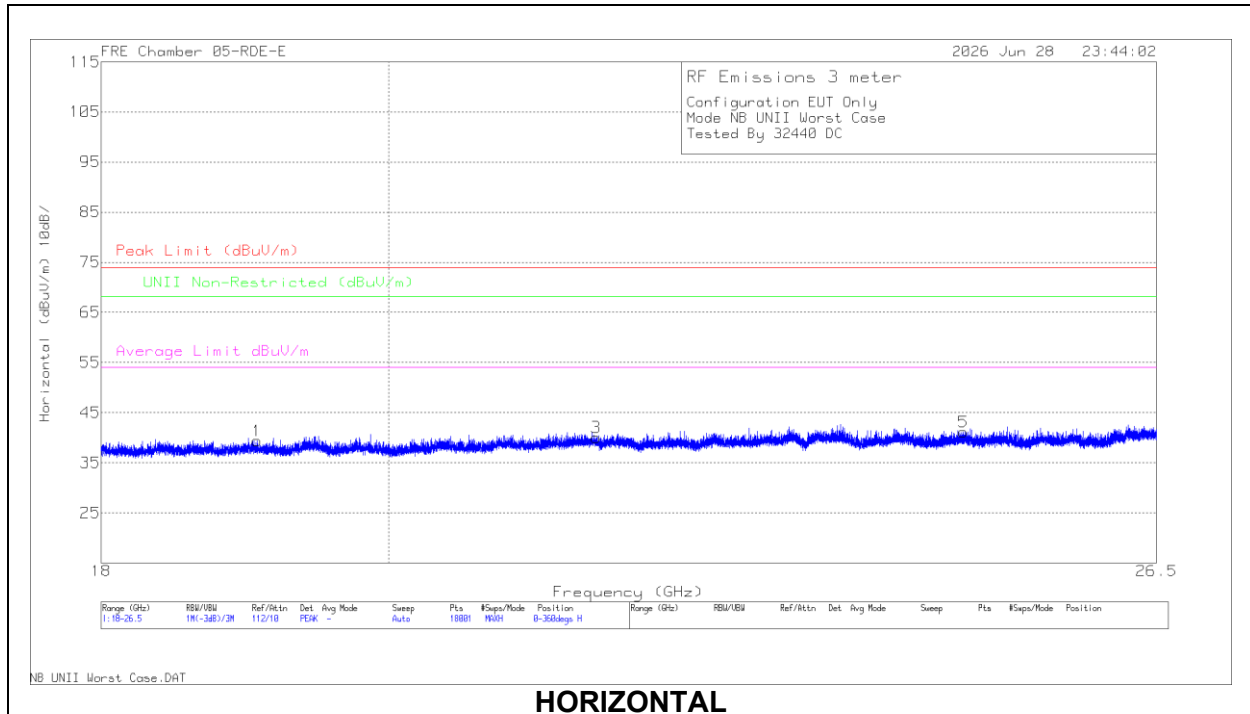
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	202329 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	31.4288	36.89	Qp	25.6	-31.8	30.69	40	-9.31	269	108	H
2	31.2548	23.9	Qp	25.7	-31.8	17.8	40	-22.2	6	336	V
3	* 325.8	31.72	Qp	19.8	-30.1	21.42	46.02	-24.6	139	144	H
4	* 325.84	39.47	Qp	19.8	-30.1	29.17	46.02	-16.85	283	102	V
5	106.859	23.75	Qp	18.1	-31.2	10.65	43.52	-32.87	18	100	H
6	106.506	23.74	Qp	18	-31.2	10.54	43.52	-32.98	341	188	V

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

Qp - Quasi-Peak detector

9.3. WORST CASE 18-26 GHz

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



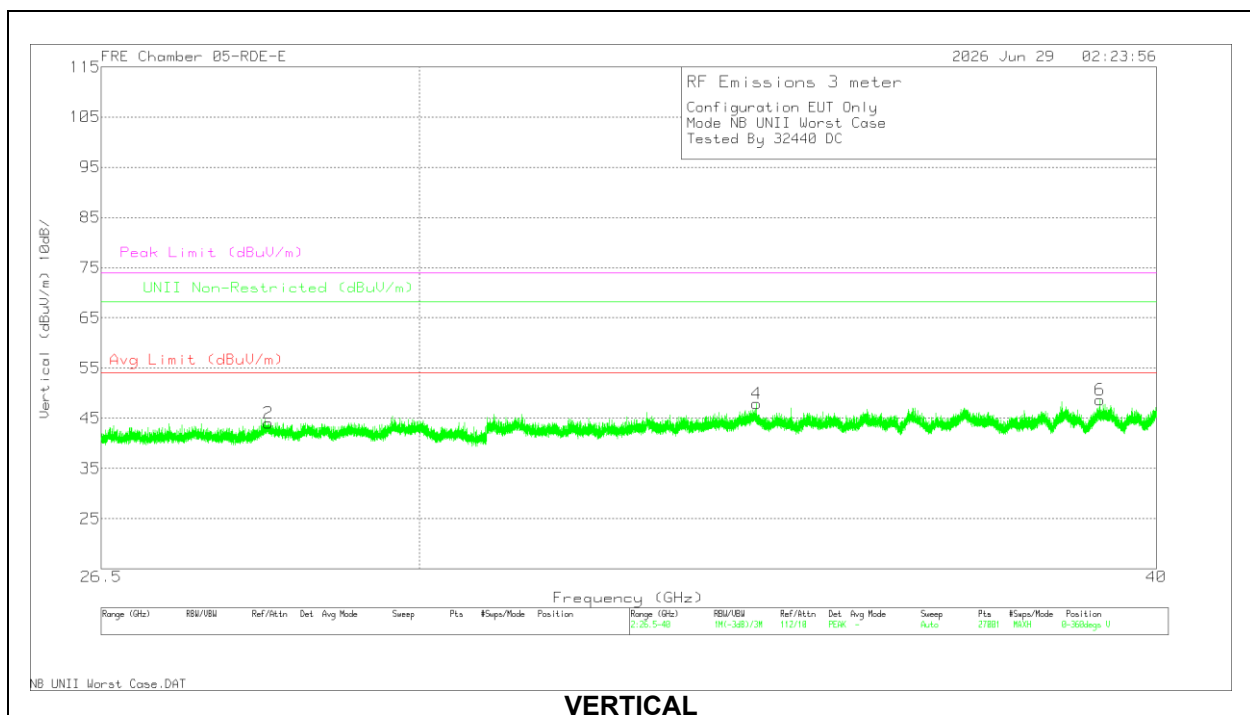
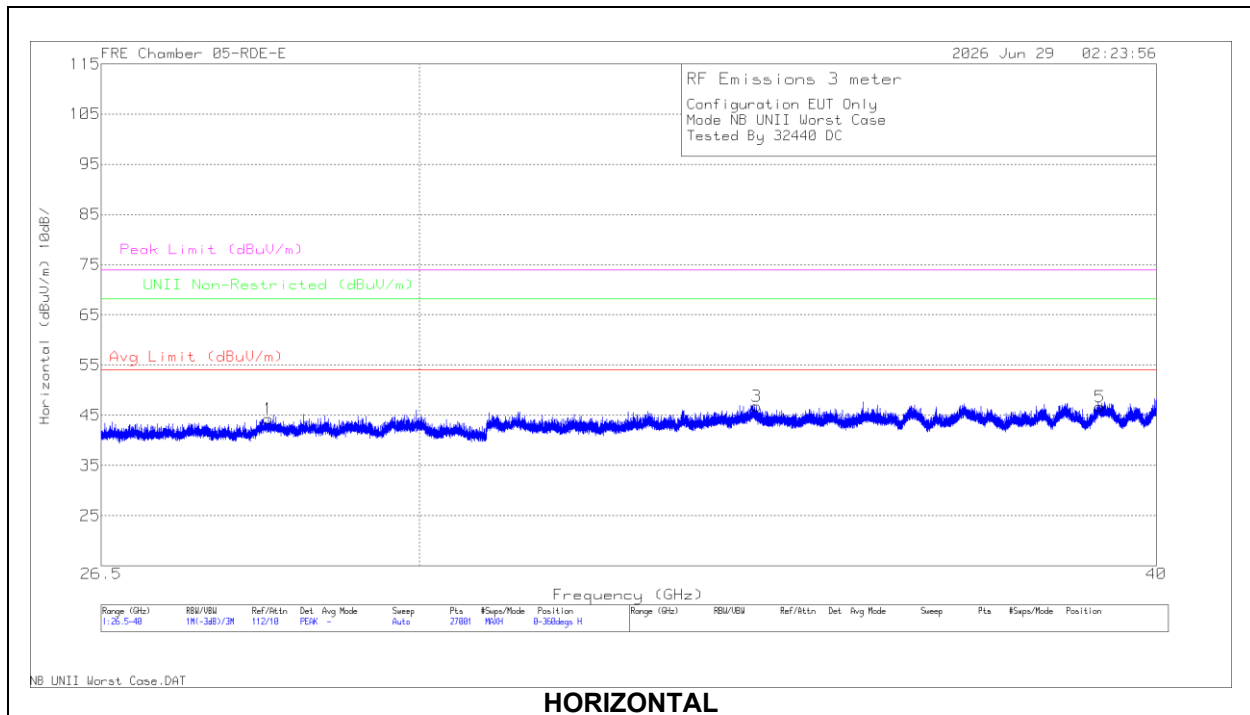
18 – 26GHz Data

Marker	Frequency (GHz)	Wave Reading (dBm)	Det	11250 ACZ (dBm)	CSL/AM (dB)	CSL (dB)	Corrected Reading (dBm/Hz)	Peak Limit (dB/Hz)	PK Margin (dB)	Average Limit (dB/Hz)	Margin (dB)	100 Non-Suppressed (dB/Hz)	PK Margin (dB)	Altitude (feet)	Height (m)	Priority
1	*18.05833	57.14	Pk	32.4	-43.4	13.2	-39.34	74	-34.68	54	-14.68	-	-	0-360	101	H
2	*18.04556	56.75	Pk	32.4	-43.3	13.1	-39.05	74	-34.05	54	-14.05	-	-	0-360	250	V
3	21.580858	56.16	Pk	32.9	-42.7	13.7	-40.06	-	-	-	-	68.2	-28.14	0-360	101	H
4	21.582387	57.67	Pk	32.9	-42.7	13.7	-41.87	-	-	-	-	68.2	-28.83	0-360	101	V
5	24.687136	55	Pk	33.7	-42.6	15	-41.1	-	-	-	-	68.2	-27.1	0-360	250	H
6	24.685718	55	Pk	33.7	-42.6	15	-42.1	-	-	-	-	68.2	-28.1	0-360	101	V

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

9.4. WORST CASE 26-40 GHz

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



26 – 40GHz Data

Mixer	Frequency (GHz)	Meas Reading (dBm)	Det	17288 ACF (dBm)	ULCAMP (dB)	ULC (dB)	ULC/ULC2 Reading (dB/0.5)	Peak LCR2 (dB/0.5m)	PK Weight (dB)	Avg LCR2 (dB/0.5m)	Margin (dB)	ULC Non-Restricted (dB/0.5m)	PK Weight (dB)	Attenu (dBm)	Height (cm)	Polarity
1	28.2835	64.66	PK	36.2	-73	16.4	44.26	-	-	-	-	68.2	-23.94	0.360	101	H
2	28.2845	64.39	PK	36.2	-73	16.4	43.99	-	-	-	-	68.2	-24.21	0.360	101	V
3	34.215	64.00	PK	37.2	-72.5	16	45.75	-	-	-	-	68.2	-21.51	0.360	101	H
4	34.218	65.17	PK	37.2	-72.5	16	47.87	-	-	-	-	68.2	-20.33	0.360	101	V
5	*35.123	59.42	PK	36.2	-70	16.1	46.12	74	-22.28	54	-7.28	-	-	0.360	200	H
6	*35.1245	61.22	PK	36.2	-69.5	16.1	46.62	74	-25.35	54	-6.45	-	-	0.360	101	V

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

10. AC POWERLINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

ANSI C63.10, Section 6.2

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

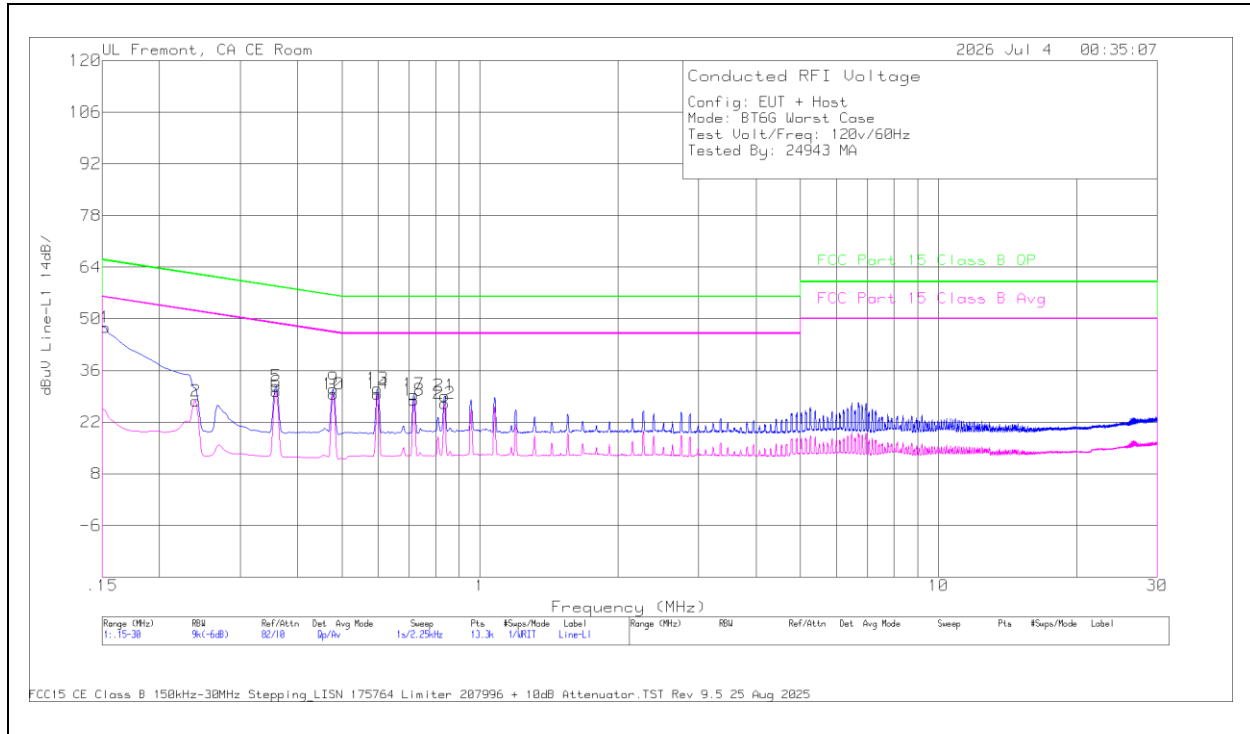
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1. AC POWER LINE WITH LAPTOP

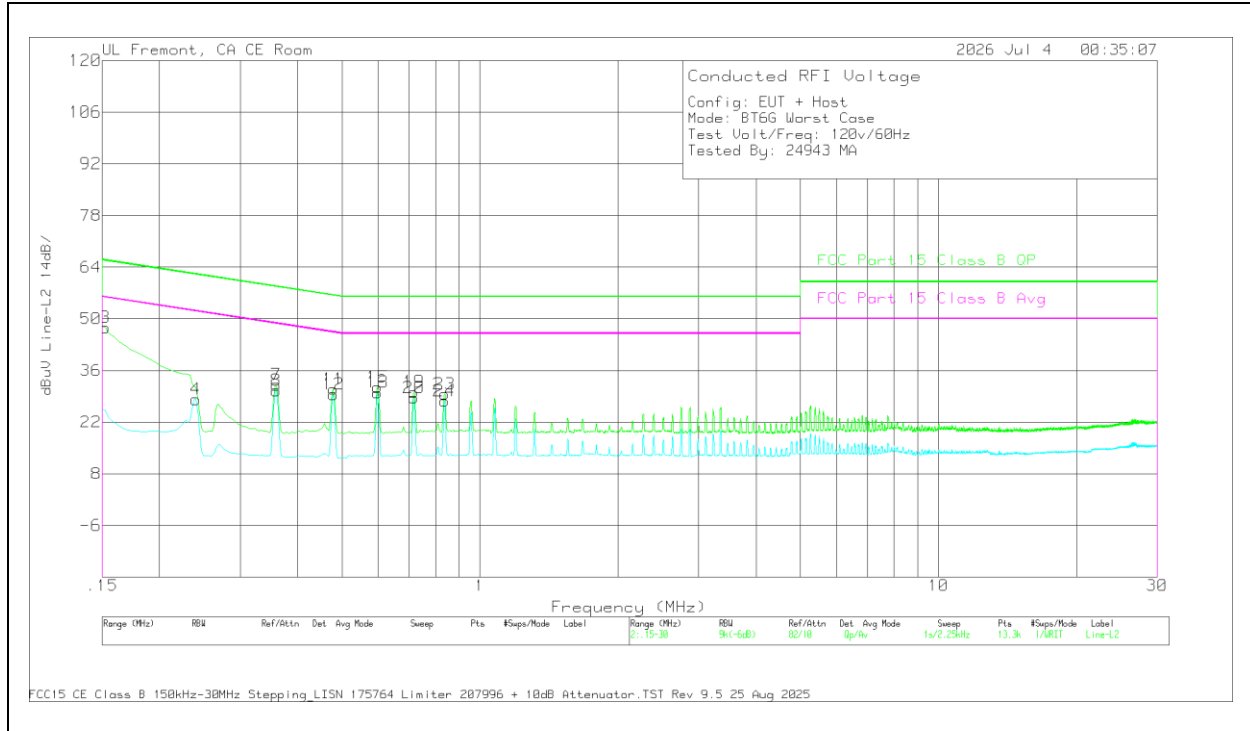
LINE 1 RESULTS



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dB)	QP Margin (dB)	FCC Part 15 Class B Avg (dB)	Av Margin (dB)
1	.1523	28.24	Qp	.1	9.4	9.9	47.64	65.88	-18.24	-	-
2	.24	8.39	Av	0	9.4	9.9	27.69	-	-	52.1	-24.41
5	.3593	12.57	Qp	0	9.3	9.9	31.77	58.75	-26.98	-	-
6	.3593	11.04	Av	0	9.3	9.9	30.24	-	-	48.75	-18.51
9	.4785	11.78	Qp	0	9.3	9.9	30.98	56.37	-25.39	-	-
10	.4785	10.37	Av	0	9.3	9.9	29.57	-	-	46.37	-16.8
13	.5978	11.86	Qp	0	9.3	9.9	31.06	56	-24.94	-	-
14	.5978	10.49	Av	0	9.3	9.9	29.69	-	-	46	-16.31
17	.717	10.32	Qp	0	9.3	9.9	29.52	56	-26.48	-	-
18	.717	8.72	Av	0	9.3	9.9	27.92	-	-	46	-18.08
21	.8363	9.87	Qp	0	9.4	9.9	29.17	56	-26.83	-	-
22	.8363	7.75	Av	0	9.4	9.9	27.05	-	-	46	-18.95

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS

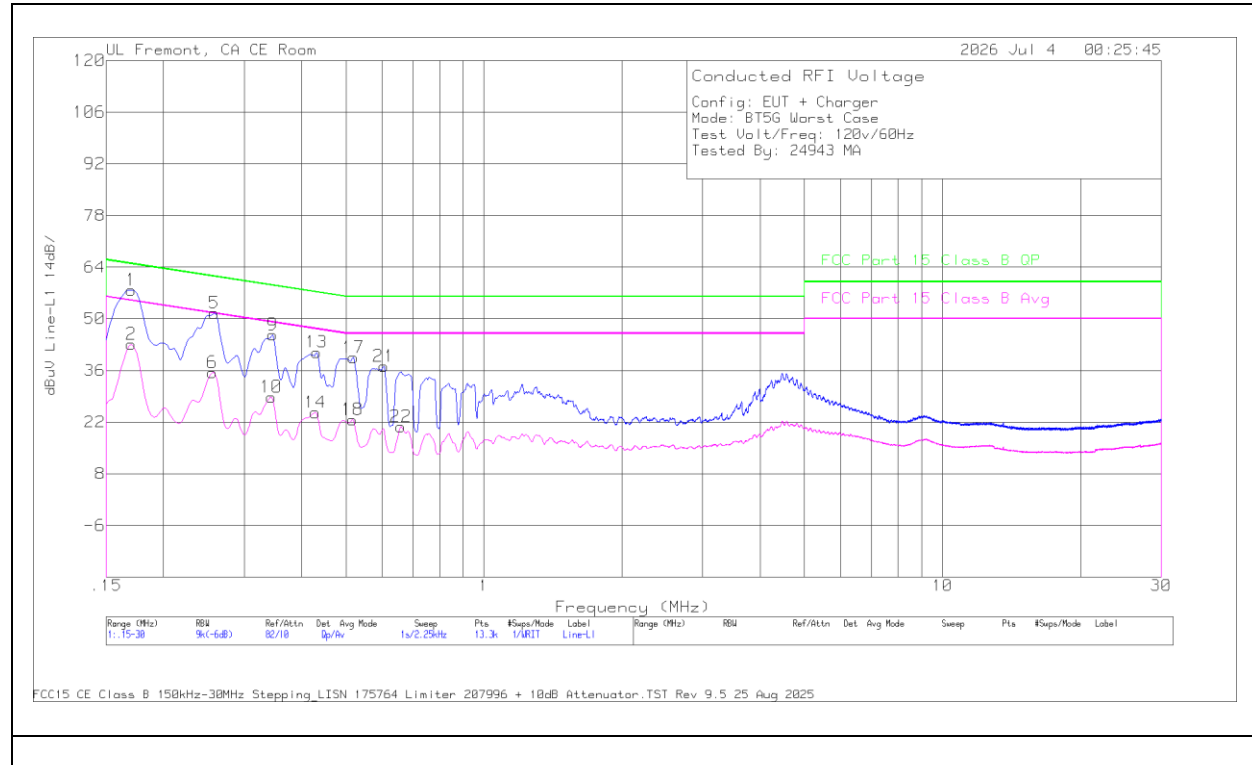
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dB)	QP Margin (dB)	FCC Part 15 Class B Avg (dB)	Av Margin (dB)
3	.1523	28.23	Qp	.1	9.4	9.9	47.63	65.88	-18.25	-	-
4	.24	8.77	Av	.1	9.4	9.9	28.17	-	-	52.1	-23.93
7	.3593	12.78	Qp	0	9.4	9.9	32.08	58.75	-26.67	-	-
8	.3593	11.26	Av	0	9.4	9.9	30.56	-	-	48.75	-18.19
11	.4785	11.74	Qp	0	9.3	9.9	30.94	56.37	-25.43	-	-
12	.4785	10.33	Av	0	9.3	9.9	29.53	-	-	46.37	-16.84
15	.5978	12.23	Qp	0	9.3	9.9	31.43	56	-24.57	-	-
16	.5978	10.82	Av	0	9.3	9.9	30.02	-	-	46	-15.98
19	.717	10.83	Qp	0	9.4	9.9	30.13	56	-25.87	-	-
20	.717	9.27	Av	0	9.4	9.9	28.57	-	-	46	-17.43
23	.8363	10.26	Qp	0	9.4	9.9	29.56	56	-26.44	-	-
24	.8363	8.41	Av	0	9.4	9.9	27.71	-	-	46	-18.29

Qp - Quasi-Peak detector

Ca - CISPR average detection

10.2. AC POWER LINE WITH AC/DC ADAPTER

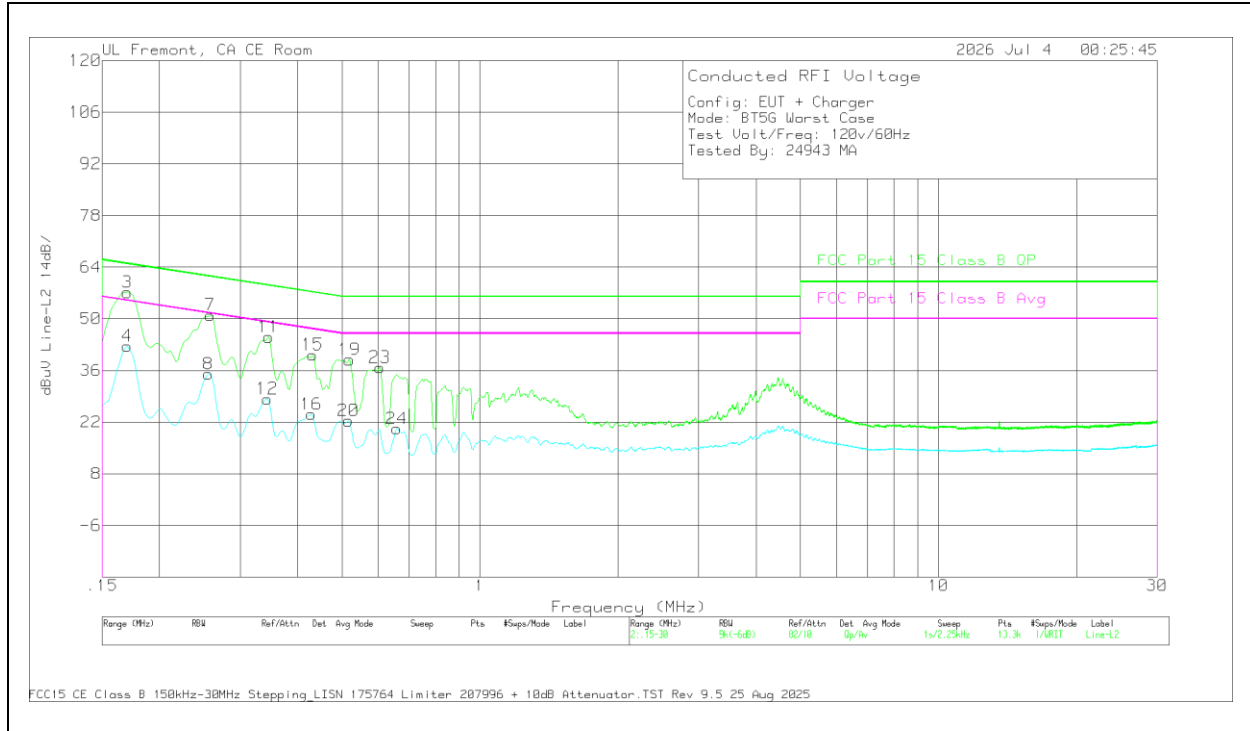
LINE 1 RESULTS



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dB)	QP Margin (dB)	FCC Part 15 Class B Avg (dB)	Av Margin (dB)
1	.1703	38.36	Qp	.1	9.4	9.9	57.76	64.95	-7.19	-	-
2	.1703	23.69	Av	.1	9.4	9.9	43.09	-	-	54.95	-11.86
5	.258	32.24	Qp	0	9.4	9.9	51.54	61.5	-9.96	-	-
6	.2558	16.16	Av	0	9.4	9.9	35.46	-	-	51.57	-16.11
9	.3458	26.45	Qp	0	9.3	9.9	45.65	59.06	-13.41	-	-
10	.3435	9.48	Av	0	9.4	9.9	28.78	-	-	49.12	-20.34
13	.4313	21.74	Qp	0	9.3	9.9	40.94	57.23	-16.29	-	-
14	.429	5.4	Av	0	9.3	9.9	24.6	-	-	47.27	-22.67
17	.519	20.3	Qp	0	9.3	9.9	39.5	56	-16.5	-	-
18	.5168	3.46	Av	0	9.3	9.9	22.66	-	-	46	-23.34
21	.6045	17.92	Qp	0	9.3	9.9	37.12	56	-18.88	-	-
22	.6585	1.46	Av	0	9.3	10	20.76	-	-	46	-25.24

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dB)	QP Margin (dB)	FCC Part 15 Class B Avg (dB)	Av Margin (dB)
3	.1703	37.76	Qp	.1	9.4	9.9	57.16	64.95	-7.79	-	-
4	.1703	23.18	Av	.1	9.4	9.9	42.58	-	-	54.95	-12.37
7	.258	31.69	Qp	0	9.4	9.9	50.99	61.5	-10.51	-	-
8	.2558	15.72	Av	0	9.4	9.9	35.02	-	-	51.57	-16.55
11	.3458	25.85	Qp	0	9.3	9.9	45.05	59.06	-14.01	-	-
12	.3435	9	Av	0	9.4	9.9	28.3	-	-	49.12	-20.82
15	.4313	21.04	Qp	0	9.3	9.9	40.24	57.23	-16.99	-	-
16	.429	4.92	Av	0	9.3	9.9	24.12	-	-	47.27	-23.15
19	.519	19.71	Qp	0	9.3	9.9	38.91	56	-17.09	-	-
20	.5168	3.19	Av	0	9.3	9.9	22.39	-	-	46	-23.61
23	.6045	17.48	Qp	0	9.4	9.9	36.78	56	-19.22	-	-
24	.6585	.81	Av	0	9.4	10	20.21	-	-	46	-25.79

Qp - Quasi-Peak detector

Ca - CISPR average detection

11. SETUP PHOTOS

Please refer to 15982168-EP1 for setup photos.

12. APPENDIX A – SPOT CHECK EVALUATION

12.1. MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3716, A3717, and A3718. These models are very similar, with only the following differences.

Model	FCC ID	Feature Difference	Sim Support	Reference Model
A3716	BCG-E9195A	-Without FR2 -Added LTE B11, B21	eSIM	-
A3717	BCG-E9196A	-Without FR2 -No LTE/5GNR B14, B29, B71 -No LTE B11, B21	eSIM	A3716
A3718	BCG-E9197A	-Without FR2 -No LTE/5GNR B14, B29, B71, B53 -No LTE B11, B21, MSS	eSIM + 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. 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 A3717

A3717 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate / Tone / RU	Test Item		Channel	Measured Frequency (GHz)	Original Model: A3716	Sub Model: A3717	Delta (dB)	Margin	Remarks
								FCC ID : BCG-E9195A	FCC ID: BCG-E9196A			
NII / UNII-1	5150 - 5250 UNII-1	High Power (2TX)	HDRPM12	Avg Power (dBm)	Fundamental	Low	5.164	15.25	15.24	0.01	-8.75	Note 1
		High Power (Ant 16)	HDRPM12	Avg Radiated Bandedge (dBuV/m)	Horizontal Low Bandedge	Low	5.149988	51.27	51.94	-0.67	-2.73	Note 1
		High Power (2TX)	HDRPM12	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	High	16.074179	43.32	42.65	0.67	-10.68	Note 1
NII / UNII-3	5725 - 5825 UNII-3	High Power (TxBF)	BDR	Avg Power (dBm)	Fundamental	Low	5.733	21.86	21.82	0.04	-8.14	Note 1
		High Power (ANT 16)	BDR	Pk Radiated Bandedge (dBm)	Horizontal High Bandedge	High	5.97025	-33.43	-33.47	0.04	-6.43	Note 1
		High Power (TxBF)	HDR8	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	Low	17.793746	46.30	44.88	1.42	-7.70	Note 1

12.3. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3718

A3718 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate / Tone / RU	Test Item		Channel	Measured Frequency (GHz)	Original Model: A3716	Sub Model: A3718	Delta (dB)	Margin	Remarks
								FCC ID : BCG-E9195A	FCC ID: BCG-E9197A			
NII / UNII-1	5150 - 5250 UNII-1	High Power (2TX)	HDRPM12	Avg Power (dBm)	Fundamental	Low	5.164	15.25	15.21	0.04	-8.75	Note 1
		High Power (Ant 16)	HDRPM12	Avg Radiated Bandedge (dBuV/m)	Horizontal Low Bandedge	Low	5.149988	51.27	53.76	-2.49	-2.73	Note 1
		High Power (2TX)	HDRPM12	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	High	16.074179	43.32	41.15	2.17	-10.68	Note 1
NII / UNII-3	5725 - 5825 UNII-3	High Power (TxBF)	BDR	Avg Power (dBm)	Fundamental	Low	5.733	21.86	21.83	0.03	-8.14	Note 1
		High Power (ANT 16)	BDR	Pk Radiated Bandedge (dBm)	Horizontal High Bandedge	High	5.97025	-33.43	-33.72	0.29	-6.43	Note 1
		High Power (TxBF)	HDR8	Avg RSE (dBuV/m)	Horizontal 1 to 18 GHz	Low	17.793746	46.30	44.30	2.00	-7.70	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.