

TEST REPORT

Report Number : 14982485-E6V2

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

Model : A3286 (Parent Model)
A3287, A3288 (Variant Models)

Brand : APPLE

FCC ID : BCG-E8689A (Parent Model)
BCG-E8690A, BCG-8691A (Variant Models)

IC ID : 579C -E8689A (Parent Model)
579C -E8690A, 579C-8691A (Variant Models)

EUT Description : SMARTPHONE

Test Standard(s) : FCC 47 CFR PART 15 SUBPART E
ISED RSS-247 ISSUE 3
ISED RSS-GEN ISSUE 5 + A1 + A2

Date Of Issue:

2024/07/29

Prepared by:

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2024/07/25	Initial Issue	---
V2	2024/07/29	Addressed TCB Questions	Chris Xiong

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1. ATTESTATION OF TEST RESULTS

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

EUT DESCRIPTION: SMARTPHONE

MODEL: A3286 (Parent Model)
A3287, A3288 (Variant Models)

BRAND: APPLE

SERIAL NUMBER: HL4VXQJR4D, V7QCNQFGF0, CGYGG69DNF

SAMPLE RECEIPT DATE: 2023/10/30

DATE TESTED: 2023/12/01 - 2024/7/29

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart E	Complies
ISED RSS-247 Issue 3	Complies
ISED RSS-GEN Issue 5 + A1 + A2	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. This report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, any agency of the Federal Government, or any agency of the U.S. government.

Approved & Released For
UL Verification Services Inc. By:



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Staff Engineer
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UL Verification Services Inc.

Prepared By:



Alfonso Sanchez
Senior Test Engineer
Consumer Technology Division
UL Verification Services Inc.

2. TEST RESULT SUMMARY

FCC Clause	ISED Clause	Requirement	Result	Comment
See Comment		Duty Cycle	Reporting purposes only	Per ANSI C63.10, Section 12.2.
See Comment	RSS-GEN 6.7	26dB BW/99% OBW	Reporting purposes only	Per ANSI C63.10 Sections 6.9.2 and 6.9.3
15.407 (e)	RSS-247 6.2.4.2	6 dB BW	complies	None.
15.407 (a) (1-4), (h) (1)	RSS-247 6.2	Output Power	complies	None.
15.407 (a) (1-3, 5)	RSS-247 6.2	PSD	complies	None.
15.209, 15.205, 15.407 (b)	RSS-GEN 8.9, 8.10, RSS-247 6.2	Radiated Emissions	complies	None.
15.207	RSS-Gen 8.8	AC Mains Conducted Emissions	complies	None.

3. TEST METHODOLOGY

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

- FCC 15.407
- FCC CFR 47 Part 15
- FCC KDB 662911 D01 v02r01
- FCC KDB 789033 D02 v02r01
- ANSI C63.10-2013
- RSS-GEN Issue 5 + A1 +A2
- RSS-247 Issue 3.
- KDB 414788 D01 Radiated Test Site v01r01

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
Power Spectral Density	2.466
Time Domain Measurements Using SA	3.39
RF Power Measurement Direct Method Using Power Meter	0.450 (Peak), 1.3 (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) 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.

6.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum conducted output power as follows:

5.8 GHz BAND (FCC)

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
5.8GHz Band 1TX, high power			
5728.75 – 5846.25	802.15.4ab	18.98	79.07
5.8GHz Band 1TX Low Power			
5728.75 – 5846.25	802.15.4ab	11.98	15.78

6.3. DESCRIPTION OF AVAILABLE ANTENNAS

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

Type: IFA

Frequency Range	ANT 6 (dBi)	ANT 5 (dBi)
5728.75 – 5846.25	0.5	-2.3

The radio utilizes SMA Cable loss below:

Frequency Range	ANT 6 (dB)	ANT 5 (dB)
5728.75 – 5846.25	3.2	2.98

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 2219.0.0.100.1~40.74.46

6.5. WORST-CASE CONFIGURATION AND MODE

The fundamental of the EUT was investigated in three orthogonal orientations X, Y and Z on Ant 6 (ANT 0) and Ant 5 (ANT 1). It was determined that Z (Portrait) orientation was the worst-case orientation for Ant 6 and ANT 5.

There are 3 index on this 802.15.4ab technology with data rate on index 1, 250Kbps, index 2, 500Kbps and index 3, 1000Kbps. All data rate was investigated and the worst case was determined based on the highest power on PSD and Index 2, 500Kbps determined to be the worst case.

For 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 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.

Simultaneous transmission with the 2.4GHz WIFI was investigated, and no noticeable emission was found.

For radiated bandedge and emissions spurious, 500Kbps is set as the worst-case data rates for final test.

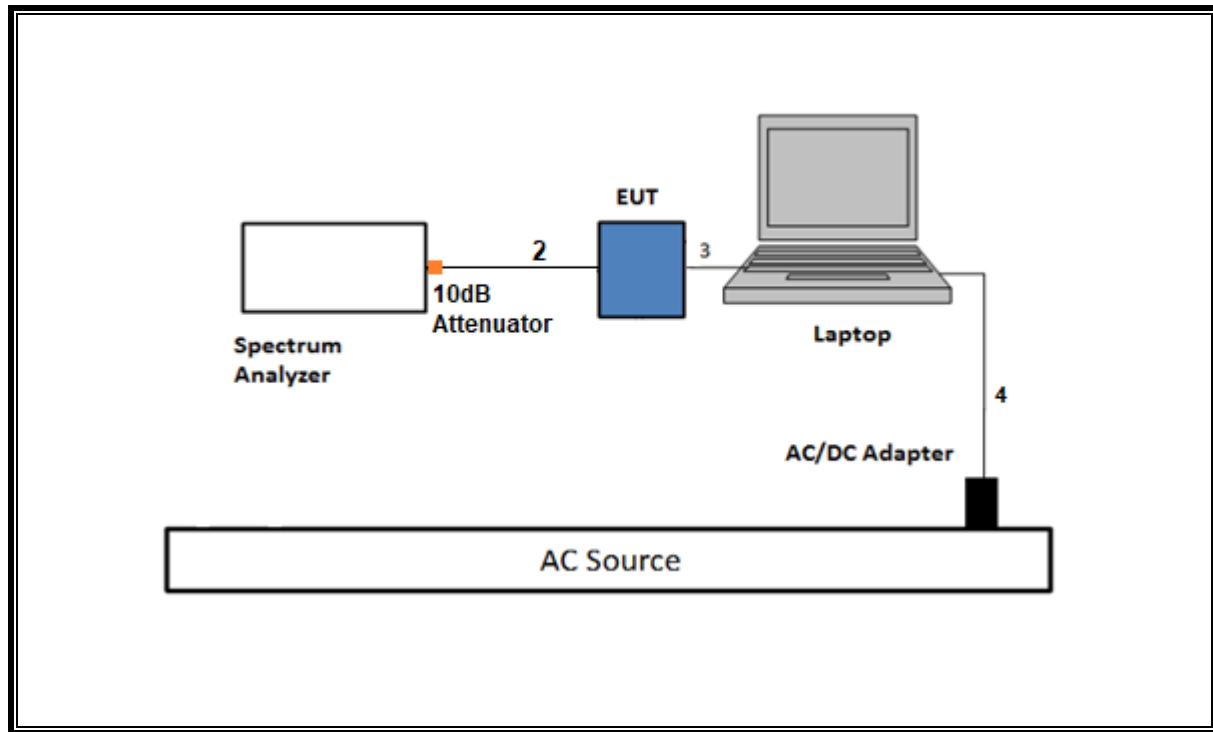
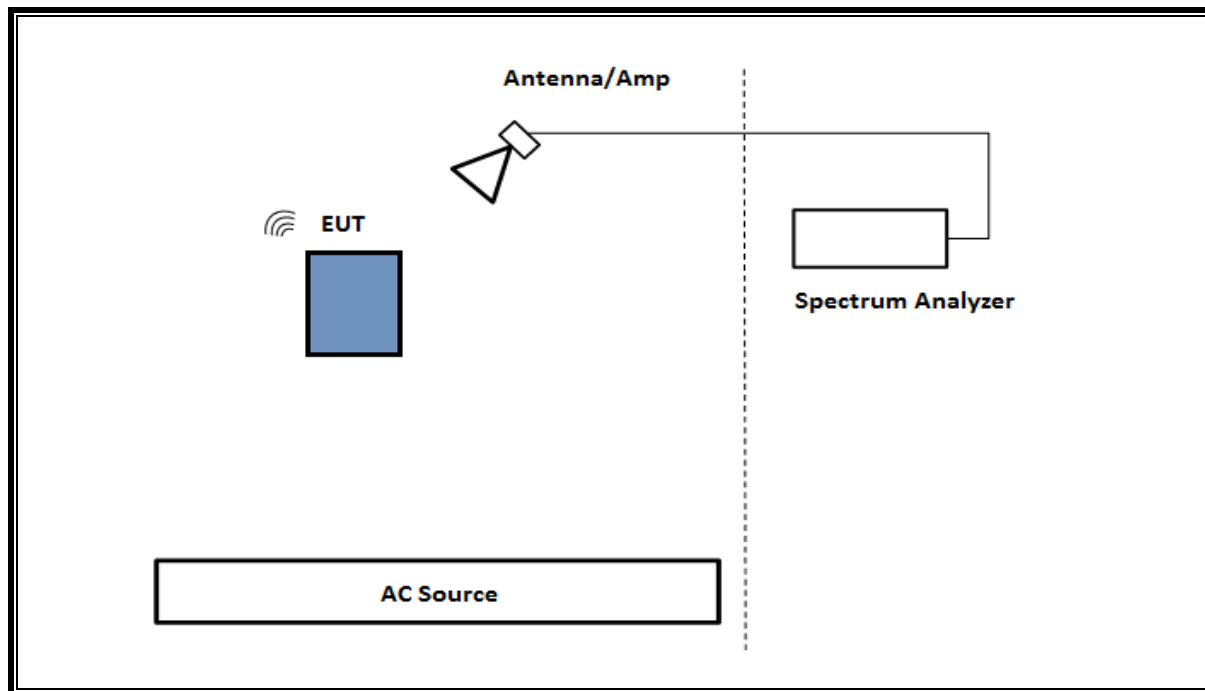
According to manufacturer inquiry approved by FCC/ISED, the models: A3286 (FCC ID: BCG-E8689A and IC ID: 579C-E8689A), A3287 (FCC ID: BCG-E8690A and IC ID: 579C-E8690A) and A3288 (FCC ID: BCG-E8691A and IC ID : 579C-E8691A) reused the data from the reference model, A3081 (FCC ID: BCG –E8688A and IC: 579C-E8688A) except for the above 1-18GHz tests documented in section 10.1.1 to 10.1.4, worst-case below 1GHz test documented in section 10.2, worst case 18-26GHz test documented in section 10.3 and worst case 26-40GHz documented in section 10.4. They were tested because of the antenna gain increase on ANT 6.

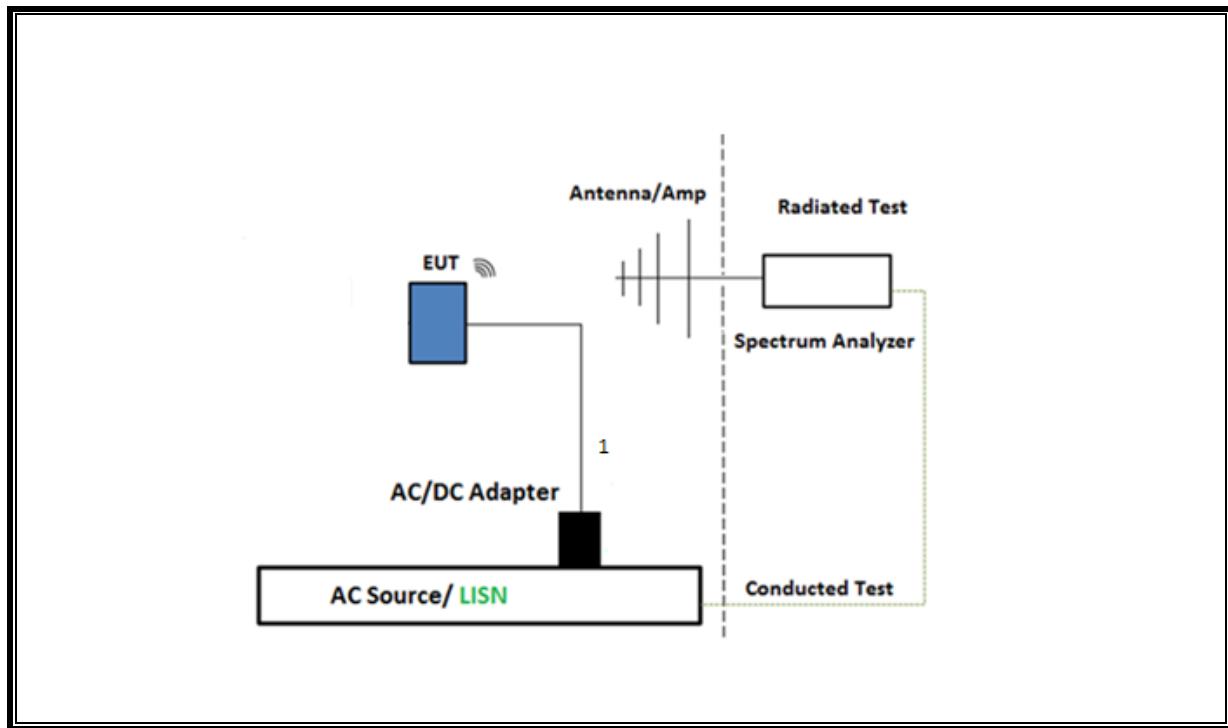
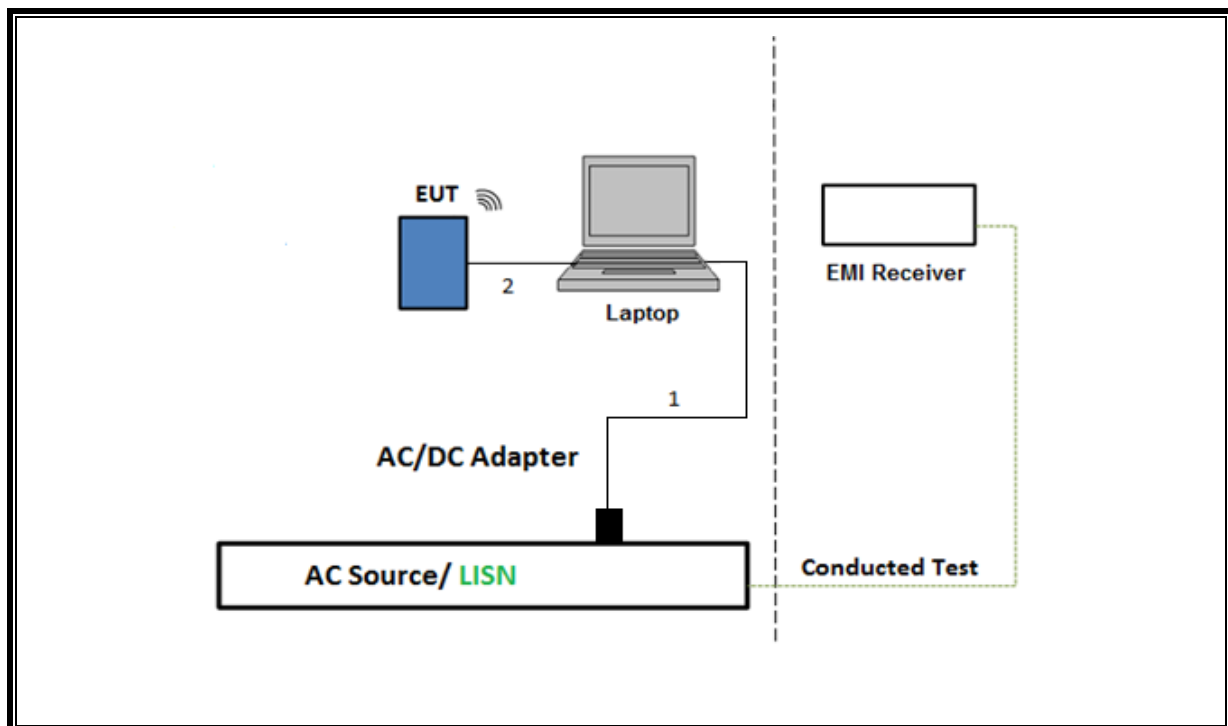
6.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT						
Description		Manufacturer	Model	Serial Number		FCC ID/ DoC
Laptop		Apple	Macbook Pro	C02VD7SAHV22		BCGA1708
Laptop AC/DC adapter		Liteon Technology	A1424	NSW25679		DoC
EUT AC/DC adapter		Apple	A1720	C3D8417A7R93KVPA8		DoC
10dB Fixed Attenuator, 2 Watts Up to 26.5 GHz		Pasternack Enterprises	PE7024-10	236353		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	0.75	To spectrum Analyzer
2	Antenna	2	SMA	Shielded	0.2	To Conducted Switch Box
3	USB-C	1	USB-C	Shielded	1.0	N/A
4	DC	1	DC	Shielded	2	From AC/DC adapter
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	From AC/DC adapter
2	USB	1	USB	Shielded	1	N/A

TEST SETUP

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

SETUP DIAGRAM FOR CONDUCTED TEST**SETUP DIAGRAM FOR RADIATED TESTS Above 1 GHz (1GHz- 40GHz)**

SETUP DIAGRAM FOR 30-1000MHz and AC LINE CONDUCTED TEST**TEST SETUP- AC LINE CONDUCTED: LAPTOP CONFIGURATION**

7. MEASUREMENT METHOD

On Time and Duty Cycle: KDB 789033 D02 v02r01, Section B.

6 dB Emission BW: KDB 789033 D02 v02r01, Section C.2

26 dB Emission BW: KDB 789033 D02 v02r01, Section C.1

99% Occupied BW: KDB 789033 D02 v02r01, Section D.

Conducted Output Power: KDB 789033 D02 v02r01

Power Spectral Density: KDB 789033 D02 v02r01, Section F

Unwanted emissions in restricted bands: KDB 789033 D02 v02r01, Sections G.3, G.4, G.5, and G.6.

Unwanted emissions in non-restricted bands: KDB 789033 D02 v02r01, Sections G.3, G.4, and G.5.

AC Power Line Conducted Emissions: ANSI C63.10-2013, Section 6.2.

Radiated Spurious Emissions Below 30MHz: ANSI C63.10-2013 Section 6.4

8. TEST AND MEASUREMENT EQUIPMENT

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

TEST EQUIPMENT LIST				
Description	Manufacturer	Model	ID Num	Cal Due
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	125178	2025/01/31
Spectrum Analyzer, PXA, 3Hz to 50GHz w/Ext. Mixer	Keysight Technologies Inc	N9030A	80400	2025/02/28
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	222071	2024/11/30
Power Meter, P-series single channel	Keysight Technologies Inc	N1911A	90719	2025/01/31
10dB Fixed Attenuator	Pasternack Enterprises	PE7087-10	178557	Verified Before Use
10dB Fixed Attenuator	Pasternack Enterprises	PE7087-10	178558	Verified Before Use
Power Sensor, P - series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1921A	90389	2025/01/31
10dB Fixed Attenuator, 2 Watts Up to 26.5 GHz	Pasternack Enterprises	PE7024-10	236353	2024/08/31
ESW, EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169927	2025/02/28
Horn Antenna 1-18GHz	ETS-Lindgren (Cedar Park, Texas)	3117	223083	2024/10/31
RF Filter Box, 1-18GHz, 17 Ports	UL-FR1	F3A	243707	2025/02/28
ESW, EMI TEST RECEIVER	Rohde & Schwarz	ESW44	201500	2025/02/28
Horn Antenna 1-18GHz	ETS-Lindgren (Cedar Park, Texas)	3117	200784	2025/01/31
RF Filter Box, 1-18GHz, 17 Ports	UL-FR1	F2A	235088	2025/04/30
ESW, EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169935	2025/02/28
Horn Antenna 1-18GHz	ETS-Lindgren (Cedar Park, Texas)	3117	80430	2024/08/31
RF Filter Box, 1-18GHz, 17 Ports	UL-FR1	F2A	237597	2024/09/30
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	223459	2025/02/28
Horn Antenna 1-18GHz	ETS-Lindgren (Cedar Park, Texas)	3117	226672	2025/02/28
RF Filter Box, 1-18GHz, 12 Port.	UL-FR1	Frankenstein	231876	2025/04/30
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	PRE0179372	2025/02/28
Antenna, Broadband Hybrid, 30MHz to 3GHz	SunAR rf motion	JB3	235173	2025/04/30
Hybrid Antenna 30MHz-1GHz Preamp (Amplifier 9 KHz - 1 GHz)	SONOMA INSTRUMENT	310N	230311	2025/05/31
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	226078	2025/02/28
Antenna, Horn 18 to 26.5GHz	A.R.A.	MWH-1826/B	81139	2024/08/31
Link File, RF Amplifier Assembly, 18-26.5GHz, 60dB Gain	AMPLICAL	AMP18G26.5-60	220194	2024/07/31
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	170063	2024/11/30
Antenna, Horn 26.5 to 40GHz	A.R.A.	MWH-2640/B	172369	2025/11/30
Link File, RF Amplifier Assembly, 26-40GHz, 65dB Gain	AMPLICAL	AMP26G40-65	221834	2025/03/31
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	201502	2025/02/28
*Antenna, Passive Loop 30Hz - 1MHz	ELECTRO-METRICS	EM-6871	170013	2024/07/31
*Antenna, Passive Loop 100kHz to 30MHz	ELECTRO-METRICS	EM-6872	170015	2024/07/31
Hybrid Antenna 30MHz-1GHz Preamp (Amplifier 9 KHz - 1 GHz)	SONOMA INSTRUMENT	310N	224490	2025/04/24

AC Line Conducted				
Description	Manufacturer	Model	ID Num	Cal Due
EMI Test Receiver 9kHz-7GHz	Rohde & Schwarz	ESR	93091	2025/02/28
LISN for Conducted Emissions CISPR-16	FISCHER CUSTOM COMMUNICATIONS	FCC-LISN-50/250- 25-2-01-480V	175765	2025/01/31
Transient Limiter	TE	TBFL1	207996	2024/08/31
UL AUTOMATION SOFTWARE				
Radiated Software	UL	UL EMC	Ver 9.5, May 1, 2023	
Conducted Software	UL	UL EMC	2024.2.23	
AC Line Conducted Software	UL	UL EMC	Ver 9.5, Mar 3, 2023	

*Testing was completed before equipment expiration date.

9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

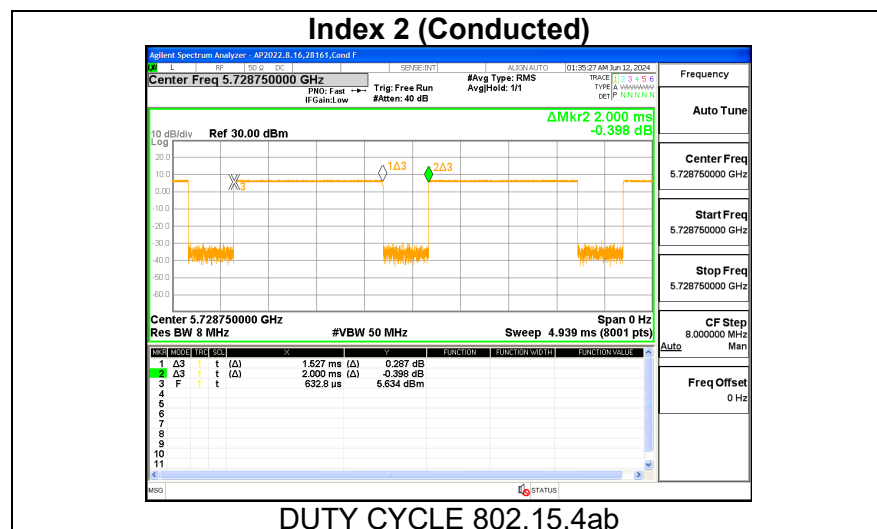
PROCEDURE

KDB 789033 Zero-Span Spectrum Analyzer Method.

ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
802.15.4ab						
5728.75MHz index 2(Conducted)	1.527	2.000	0.764	76.35%	1.17	0.655

DUTY CYCLE PLOTS



9.2. 99% AND 26 dB BANDWIDTH

LIMITS

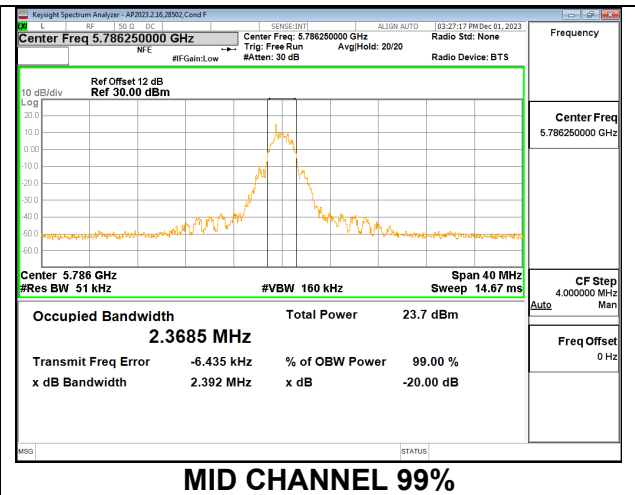
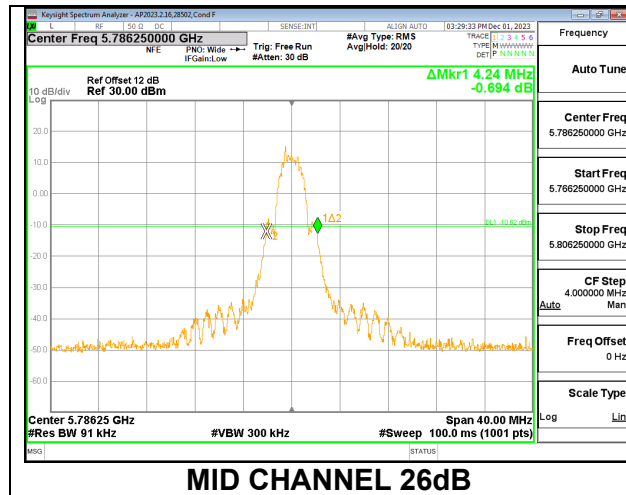
None; for reporting purposes only.

RESULTS

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

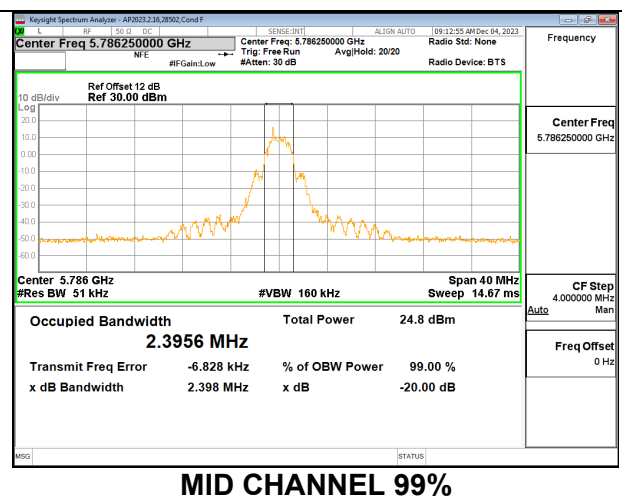
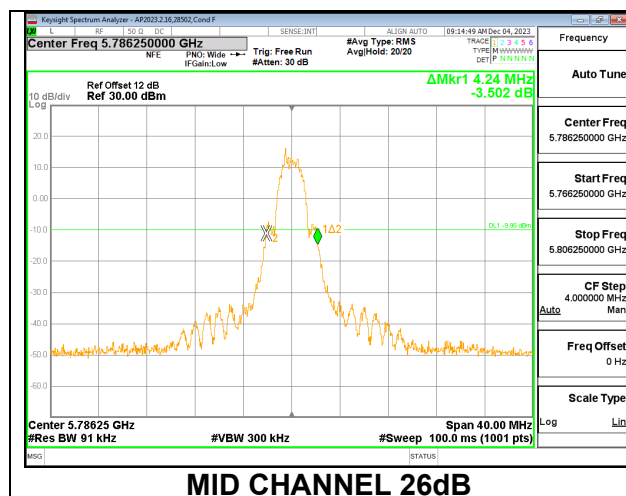
1TX Antenna 6 MODE

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5728.75	4.24	2.3737
Mid	5786.25	4.24	2.3685
High	5846.25	4.28	2.4014



1TX Antenna 5 MODE

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5728.75	4.24	2.4080
Mid	5786.25	4.24	2.3956
High	5846.25	4.24	2.3980



9.3. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

RSS-247 6.2.4.2

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

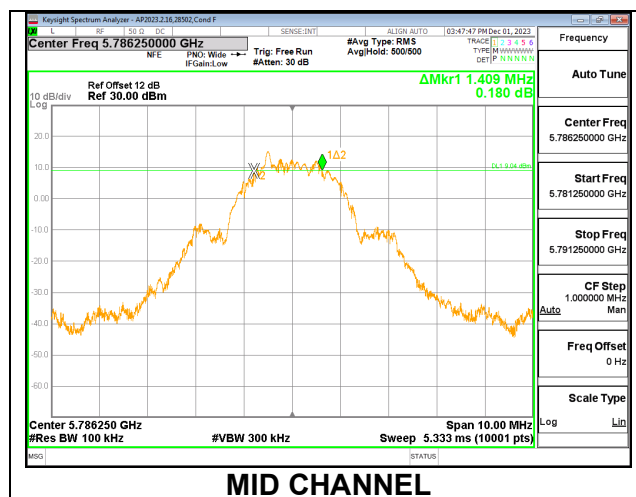
RESULTS

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

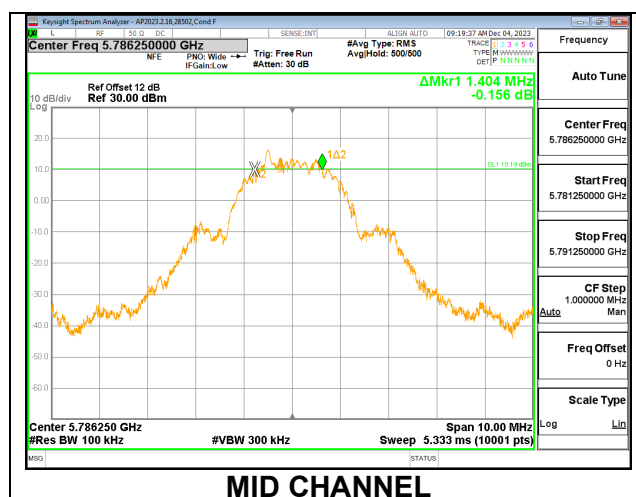
Only Mid channel plot is reported to show setting parameter complies with testing method/procedure.

UNII-3, 1TX Antenna 6 MODE

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5728.75	1.397	0.5
Mid	5786.25	1.409	0.5
High	5846.25	1.390	0.5

**UNII-3, 1TX Antenna 5 MODE**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5728.75	1.405	0.5
Mid	5786.25	1.404	0.5
High	5846.25	1.406	0.5



9.4. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

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.

RSS-247

Band 5.725-5.85 GHz

The maximum conducted output power shall not exceed 1 W. The 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 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 devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications and multiple collocated transmitters transmitting the same information.

TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3 b. Method PM-G.

The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section F.

Only Mid channel plot is reported to show setting parameter complies with testing method/procedure.

DIRECTIONAL ANTENNA GAIN

For 1 TX:

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

9.4.1. HIGH POWER**UNII-3, 1TX Antenna 6 MODE (FCC+IC)**

Test Engineer:	28161
Test Date:	7/3/24

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5728.75	0.50	30.00	30.00
Mid	5786.25	0.50	30.00	30.00
High	5846.25	0.50	30.00	30.00

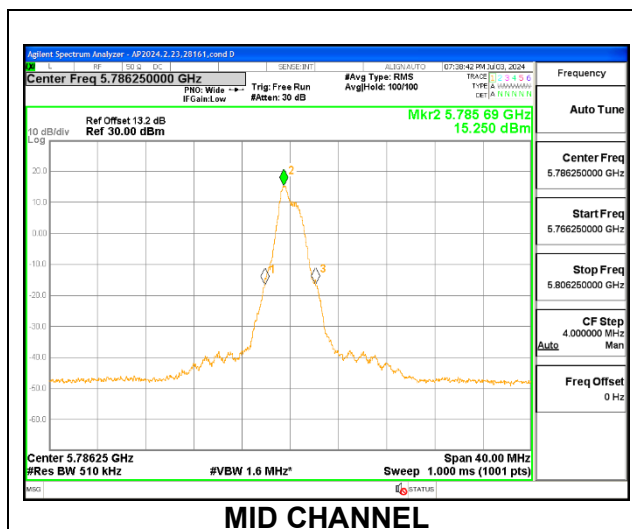
Duty Cycle CF (dB)	1.17	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5728.75	18.97	18.97	30.00	-11.03
Mid	5786.25	18.98	18.98	30.00	-11.02
High	5846.25	18.89	18.89	30.00	-11.11

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5728.75	15.705	16.875	30.00	-13.13
Mid	5786.25	15.250	16.420	30.00	-13.58
High	5846.25	15.926	17.096	30.00	-12.90



UNII-3, 1TX Antenna 5 MODE (FCC+IC)

Test Engineer:	28161
Test Date:	7/3/24

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5728.75	-2.30	30.00	30.00
Mid	5786.25	-2.30	30.00	30.00
High	5846.25	-2.30	30.00	30.00

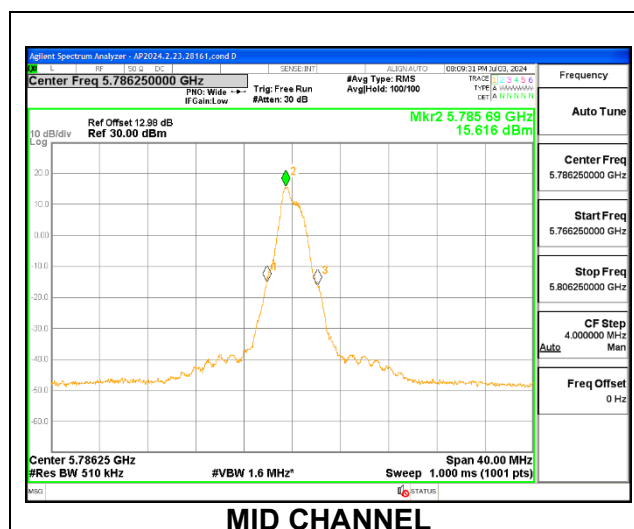
Duty Cycle CF (dB)	1.17	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5728.75	18.87	18.87	30.00	-11.13
Mid	5786.25	18.82	18.82	30.00	-11.18
High	5846.25	18.95	18.95	30.00	-11.05

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5728.75	15.957	17.127	30.00	-12.87
Mid	5786.25	15.616	16.786	30.00	-13.21
High	5846.25	15.844	17.014	30.00	-12.99



9.4.2. LOW POWER

UNII-3, 1TX Antenna 6 MODE (FCC+IC)

Test Engineer:	28161
Test Date:	7/3/24

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5728.75	0.50	30.00	30.00
Mid	5786.25	0.50	30.00	30.00
High	5846.25	0.50	30.00	30.00

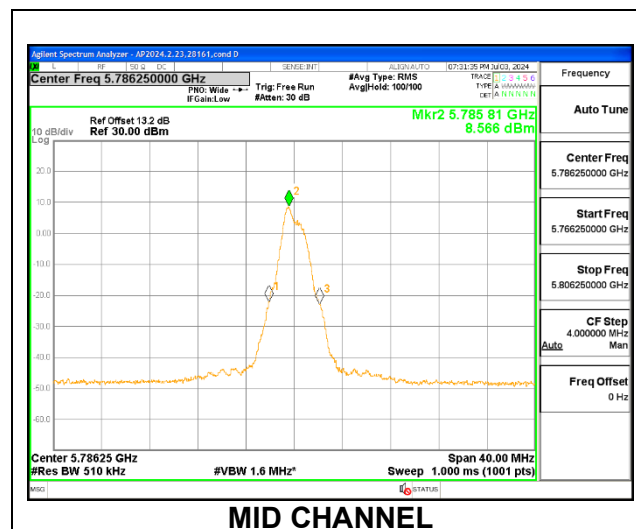
Duty Cycle CF (dB)	1.17	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5728.75	11.97	11.97	30.00	-18.03
Mid	5786.25	11.98	11.98	30.00	-18.02
High	5846.25	11.92	11.92	30.00	-18.08

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5728.75	8.892	10.062	30.00	-19.94
Mid	5786.25	8.566	9.736	30.00	-20.26
High	5846.25	8.884	10.054	30.00	-19.95



Test Engineer:	28161
Test Date:	7/03/24

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5728.75	-2.30	30.00	30.00
Mid	5786.25	-2.30	30.00	30.00
High	5846.25	-2.30	30.00	30.00

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5728.75	7.95	7.95	30.00	-22.05
Mid	5786.25	7.96	7.96	30.00	-22.04
High	5846.25	7.87	7.87	30.00	-22.13

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5728.75	5.261	6.431	30.00	-23.57
Mid	5786.25	5.175	6.345	30.00	-23.66
High	5846.25	4.754	5.924	30.00	-24.08



10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands

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

RSS 247 Issue 3 Sections

6.2.4.2 (for 5725-5850 MHz band)

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

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m 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. Peak detection is used unless otherwise noted as quasi-peak.

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.

For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only. Blue color trace on plots: Parallel orientation. Green color trace on plots: Perpendicular orientation.

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.

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

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

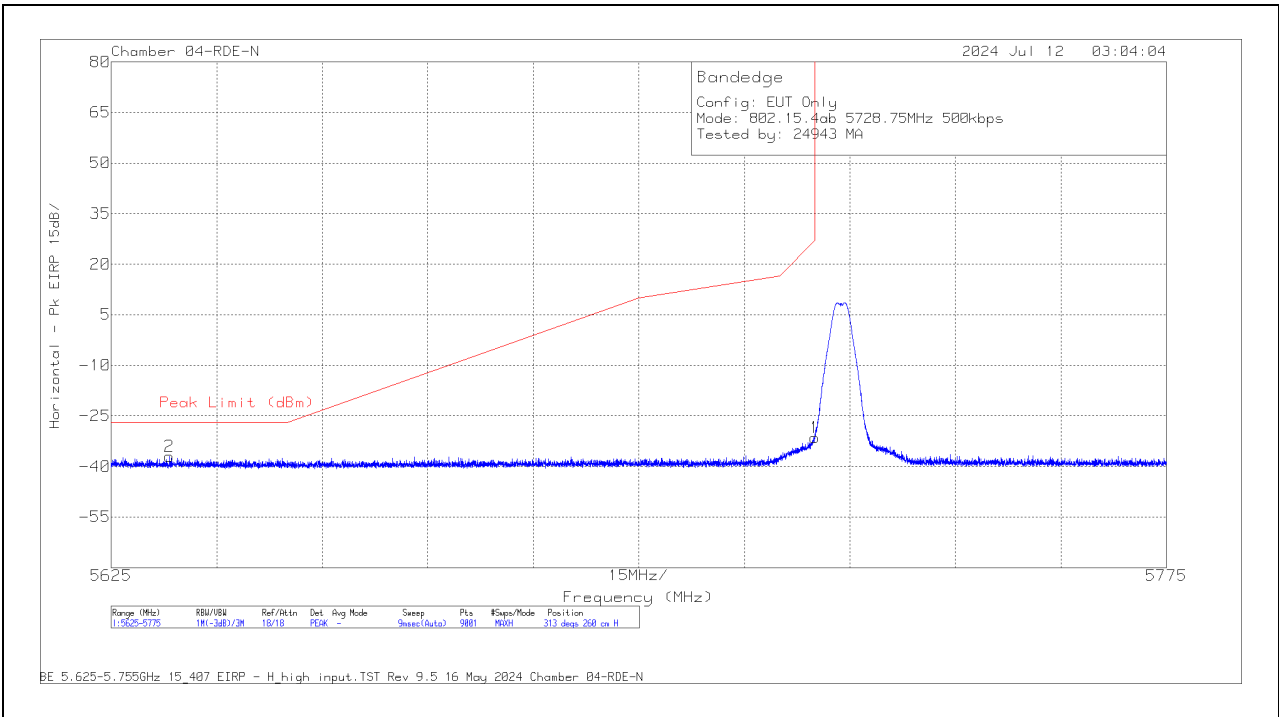
RESULTS

10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. ANT 6, 500Kbps HIGH POWER BAND EDGE IN THE 5.8 GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

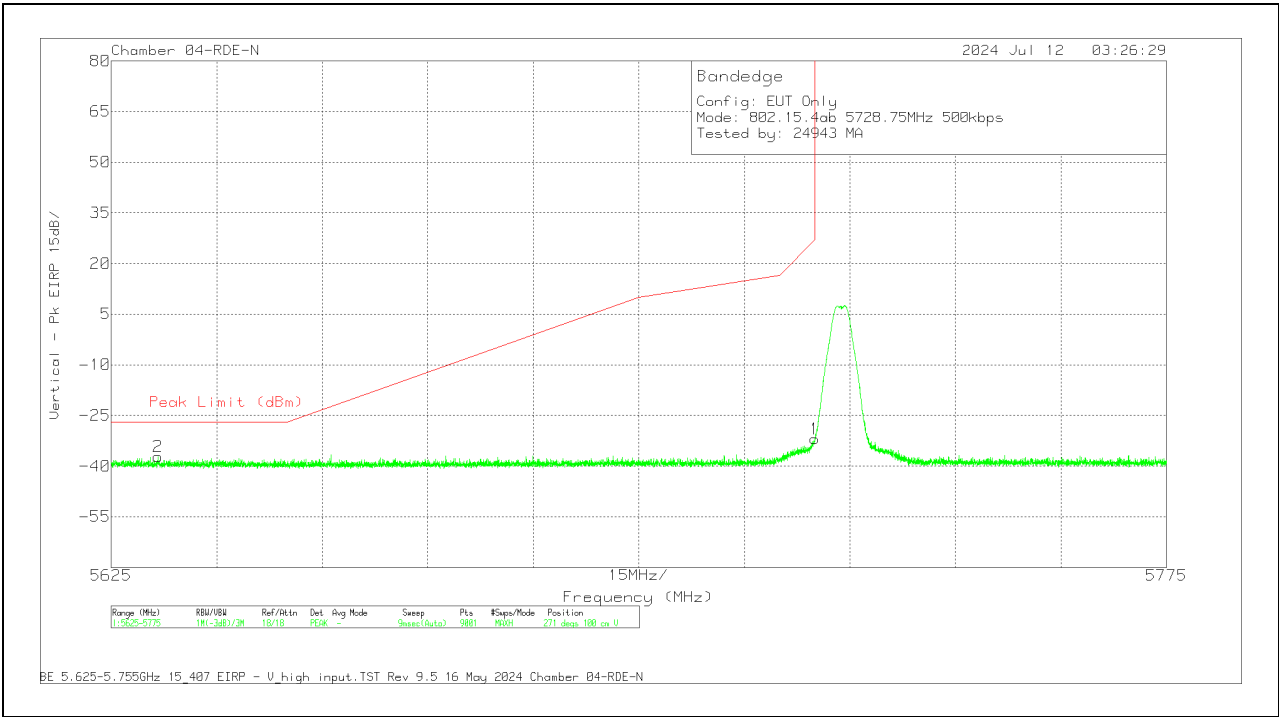


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB/m) 3m	Conversion Factor (dB)	Gain/Loss (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5633.3	-59.42	Pk	34.6	11.8	-23.96	-36.98	-27	-9.98	313	260	H
1	5725	-53.91	Pk	34.7	11.8	-24.05	-31.46	27	-58.46	313	260	H

Pk - Peak detector

VERTICAL RESULT



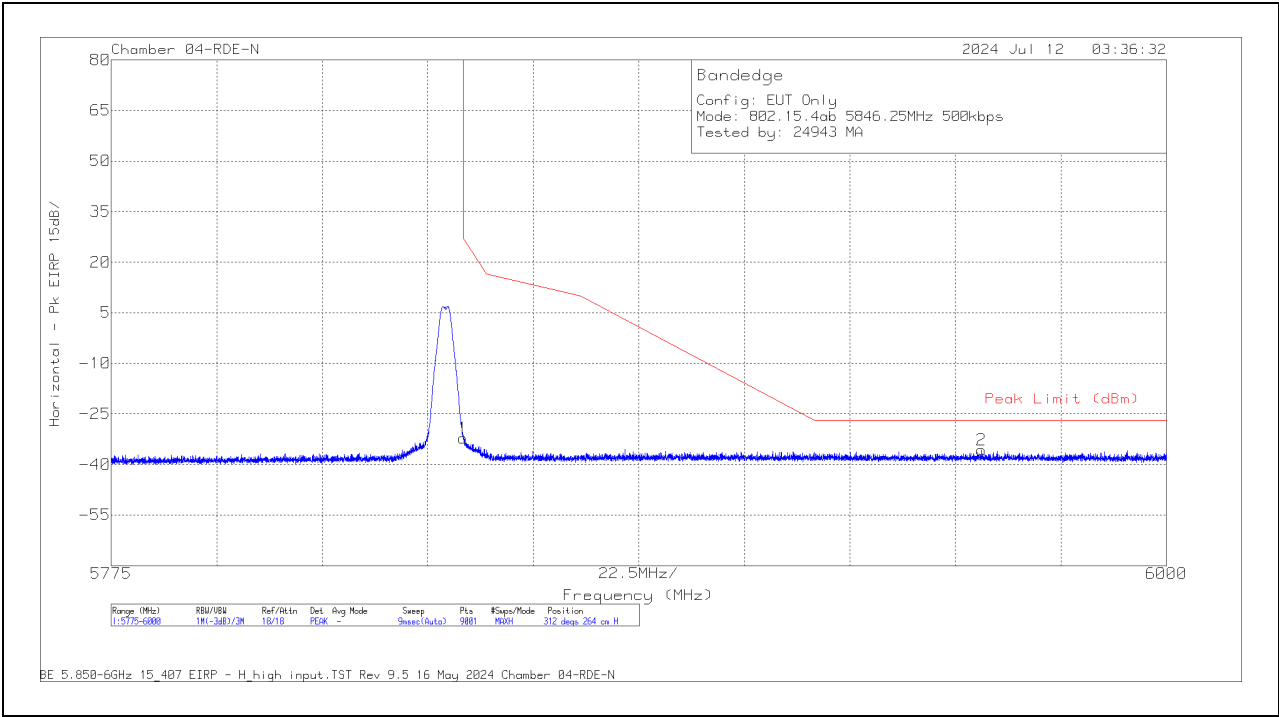
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB/m) 3m	Conversion Factor (dB)	Gain/Loss (dB)	Corrected Reading (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5631.667	-59.67	Pk	34.6	11.8	-23.97	-37.24	-27	-10.24	271	100	V
1	5725	-54.35	Pk	34.7	11.8	-24.05	-31.9	27	-58.9	271	100	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

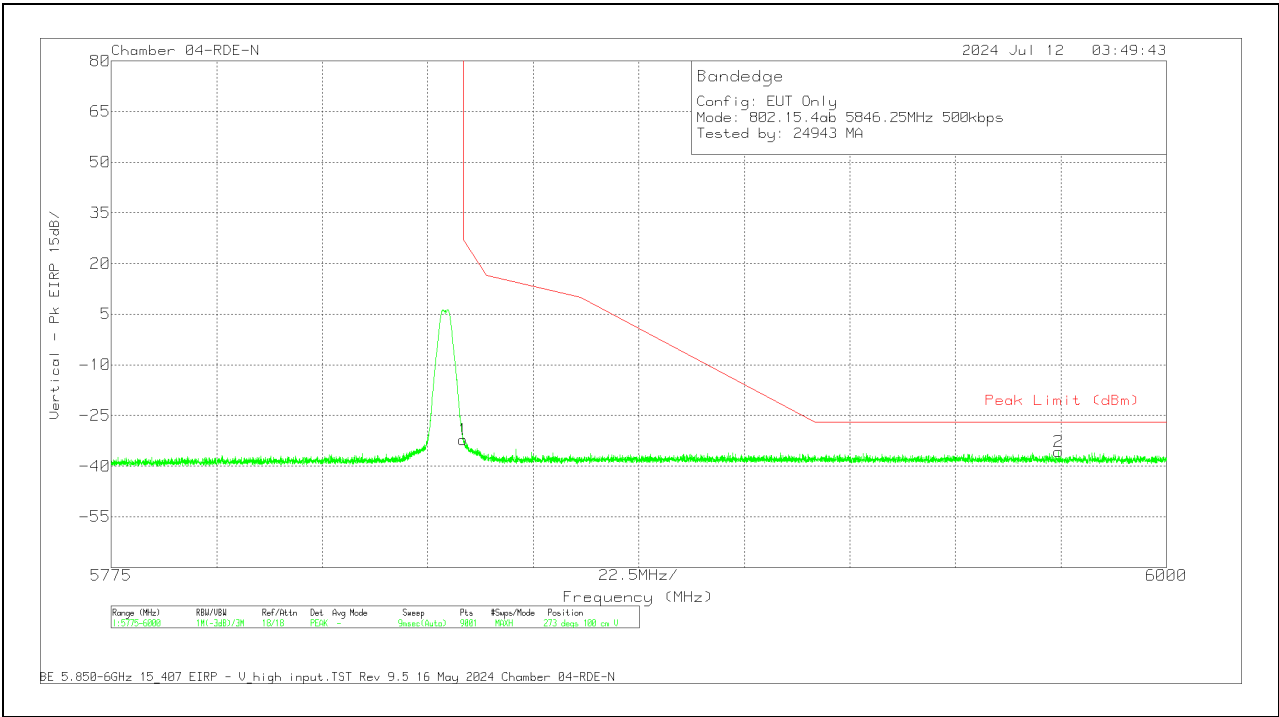


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB/m) 3m	Conversion Factor (dB)	Gain/Loss (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-55.06	Pk	34.8	11.8	-23.76	-32.22	27	-59.22	312	264	H
2	5960.55	-58.88	Pk	35	11.8	-23.61	-35.69	-27	-8.69	312	264	H

Pk - Peak detector

VERTICAL RESULT



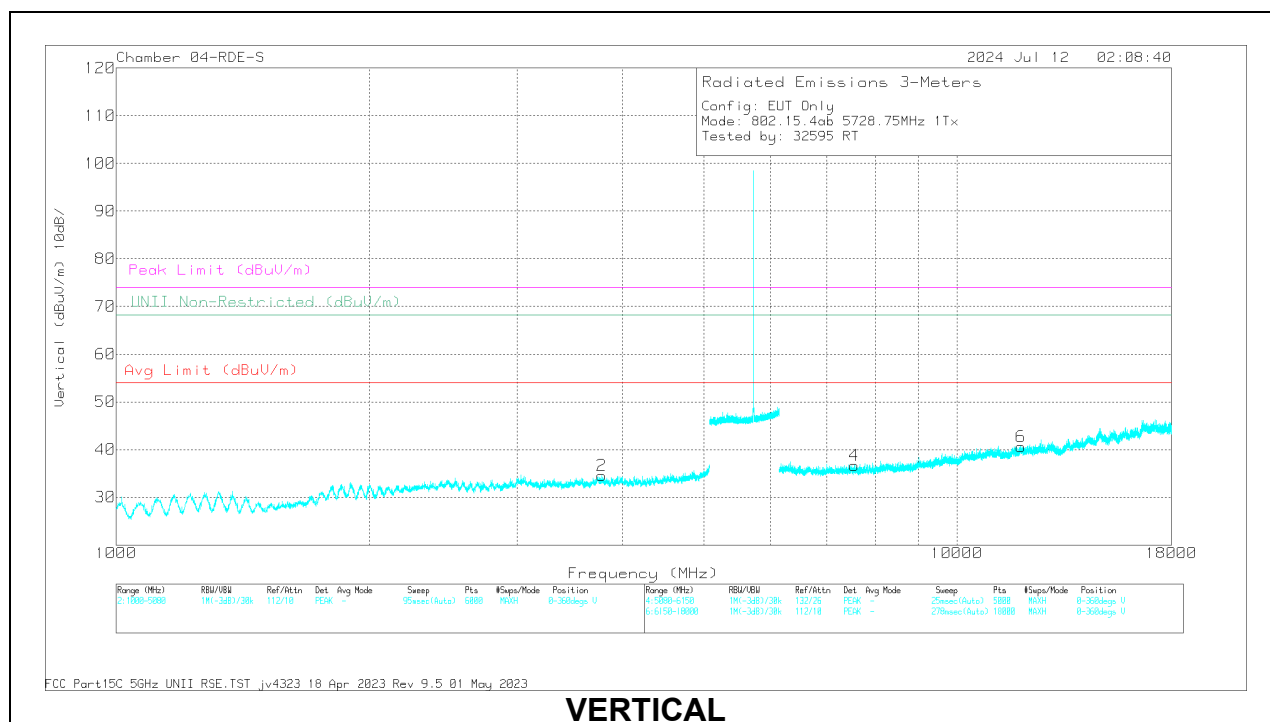
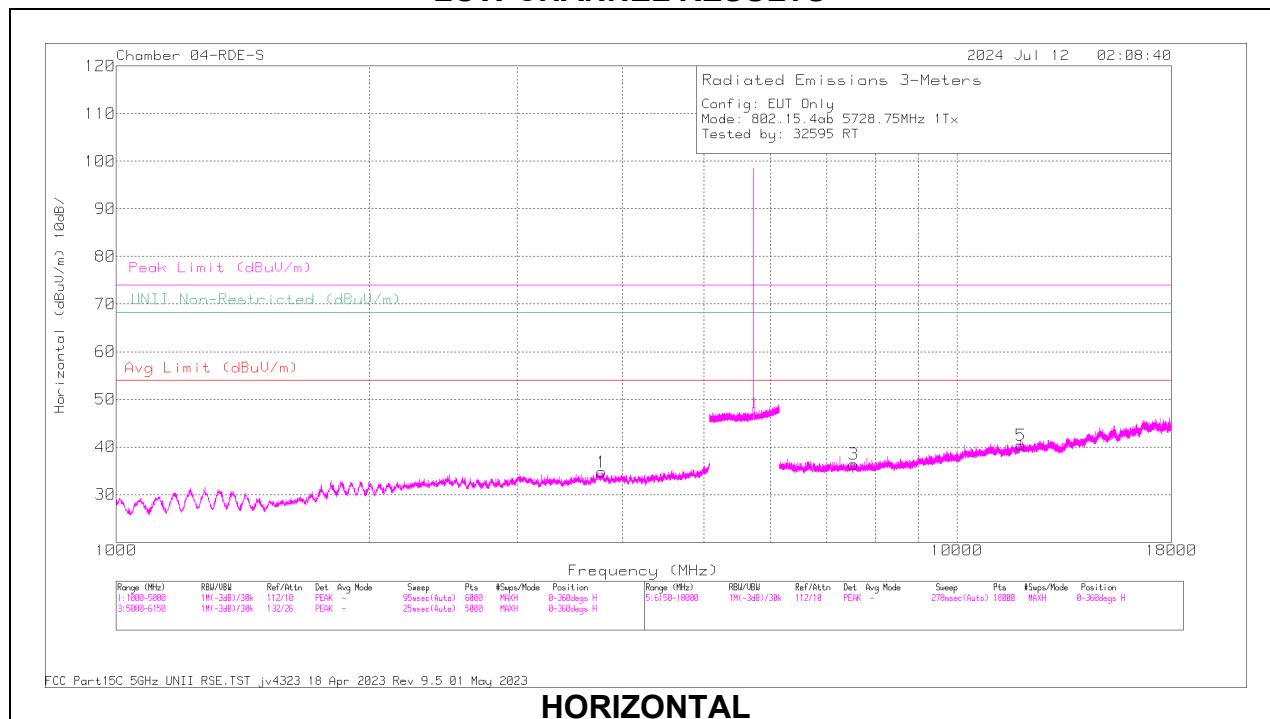
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB/m) 3m	Conversion Factor (dB)	Gain/Loss (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-55.01	Pk	34.8	11.8	-23.76	-32.17	27	-59.17	273	100	V
2	5977.05	-58.8	Pk	35	11.8	-23.71	-35.71	-27	-8.71	273	100	V

Pk - Peak detector

10.1.2. ANT 6, 500Kbps HIGH POWER HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



Radiated Emissions

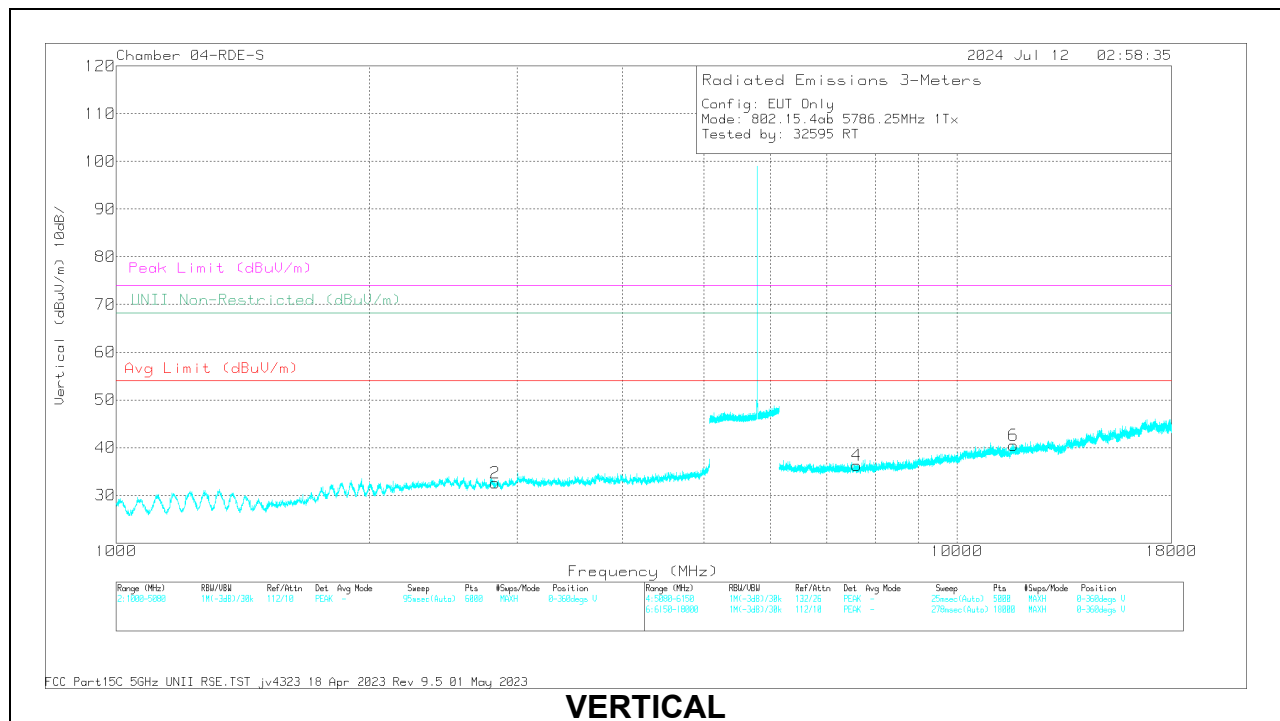
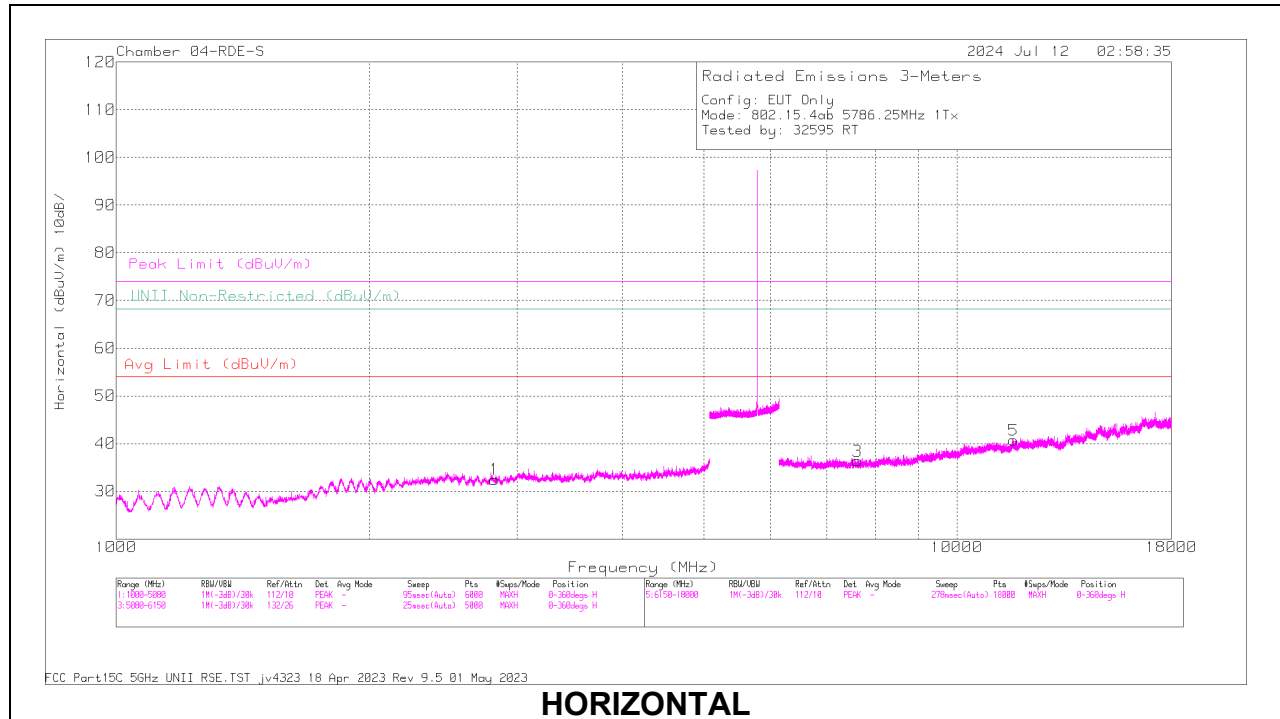
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3783.214	56.93	PK-U	33.4	0	-46.66	43.67	-	-	0	-46.66	-	-	187	379	H
1	* 3783.215	45.77	ADR	33.4	1.17	-46.66	33.68	54	-20.32	1.17	-46.66	-	-	187	379	H
2	* 3781.558	57.65	PK-U	33.4	0	-46.66	44.39	-	-	0	-46.66	-	-	51	125	V
2	* 3780.892	45.52	ADR	33.4	1.17	-46.65	33.44	54	-20.56	1.17	-46.65	-	-	51	125	V
3	* 7540.869	55.53	PK-U	35.7	0	-45.35	45.88	-	-	0	-45.35	-	-	163	246	H
3	* 7542.412	44.33	ADR	35.7	1.17	-45.37	35.83	54	-18.17	1.17	-45.37	-	-	163	246	H
5	* 11927.816	52.94	PK-U	38.5	0	-42.28	49.16	-	-	0	-42.28	-	-	64	147	H
5	* 11929.85	41.51	ADR	38.5	1.17	-42.27	38.91	54	-15.09	1.17	-42.27	-	-	64	147	H
4	* 7546.009	56.16	PK-U	35.8	0	-45.33	46.63	-	-	0	-45.33	-	-	208	139	V
4	* 7545.065	44.29	ADR	35.7	1.17	-45.35	35.81	54	-18.19	1.17	-45.35	-	-	208	139	V
6	* 11925.349	53.07	PK-U	38.5	0	-42.28	49.29	-	-	0	-42.28	-	-	27	176	V
6	* 11926.223	41.35	ADR	38.5	1.17	-42.29	38.73	54	-15.27	1.17	-42.29	-	-	27	176	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

Mid CHANNEL RESULTS



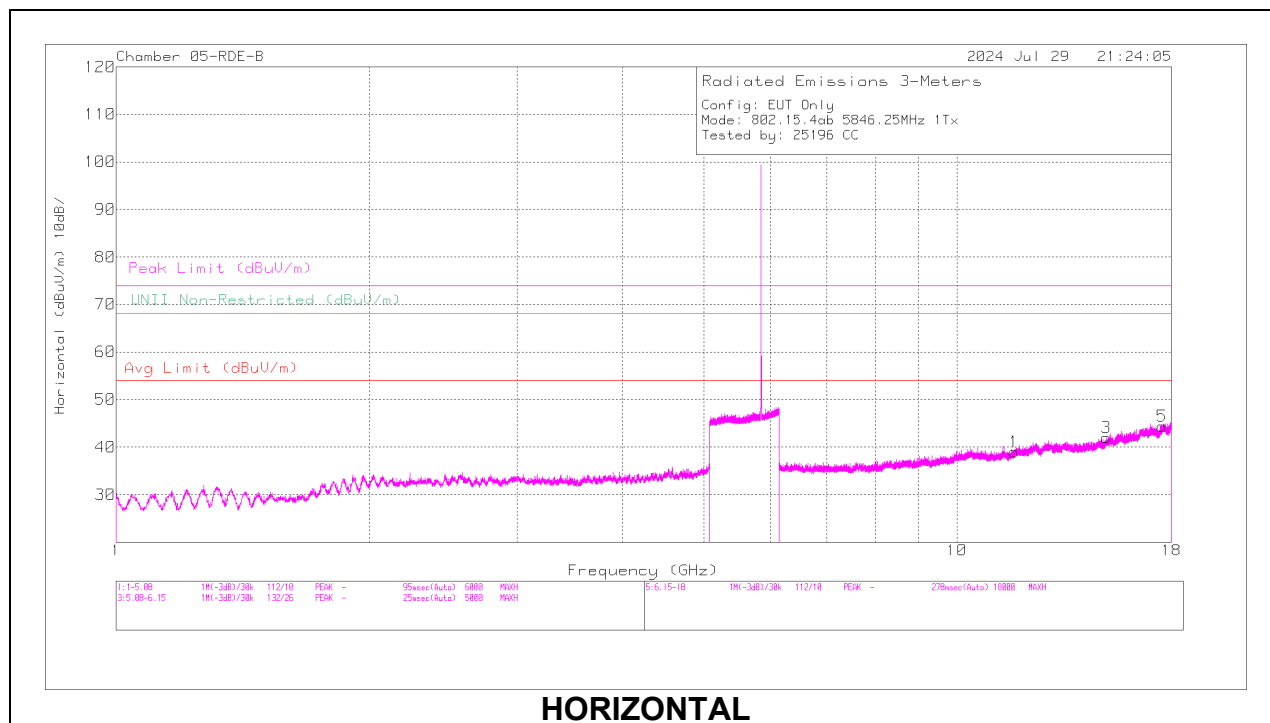
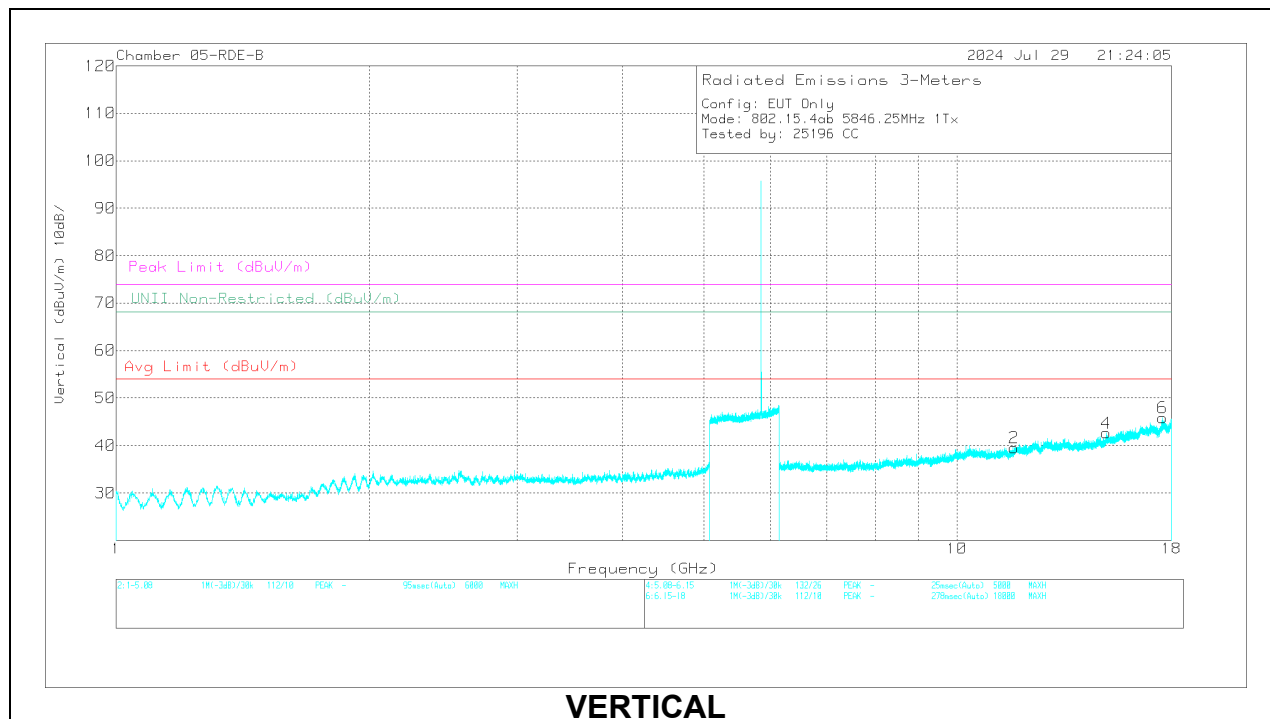
Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2817.799	58.61	PK-U	32.1	0	-48.17	42.54	-	-	74	-31.46	-	-	0	100	H
	* 2817.824	46.94	ADR	32.1	1.17	-48.17	32.04	54	-21.96	-	-	-	-	0	100	H
2	* 2824.677	58.06	PK-U	32.2	0	-48.18	42.08	-	-	74	-31.92	-	-	0	201	V
	* 2821.9	46.9	ADR	32.2	1.17	-48.17	32.1	54	-21.9	-	-	-	-	0	201	V
3	* 7609.629	55.91	PK-U	35.8	0	-45.41	46.3	-	-	74	-27.7	-	-	0	100	H
	* 7612.019	44.05	ADR	35.8	1.17	-45.32	35.7	54	-18.3	-	-	-	-	0	100	H
5	* 11672.83	53.7	PK-U	38.2	0	-42.17	49.73	-	-	74	-24.27	-	-	0	100	H
	* 11670.621	42.24	ADR	38.2	1.17	-42.16	39.45	54	-14.55	-	-	-	-	0	100	H
4	* 7597.449	55.8	PK-U	35.8	0	-45.25	49.95	-	-	74	-27.65	-	-	0	201	V
	* 7597.528	43.95	ADR	35.8	1.17	-45.25	35.67	54	-18.33	-	-	-	-	0	201	V
6	* 11685.539	53.57	PK-U	38.2	0	-42.08	49.69	-	-	74	-24.31	-	-	0	200	V
	* 11686.825	42.26	ADR	38.2	1.17	-42.06	39.57	54	-14.43	-	-	-	-	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

HIGH CHANNEL RESULTS**HORIZONTAL****VERTICAL**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 11.6969	54.93	PK-U	38.4	0	-44.33	49	-	-	74	-25	-	-	29	159	H
	* 11.6990	42.96	ADR	38.4	1.17	-44.17	38.36	54	-15.64	-	-	-	-	29	159	H
2	* 11.6998	54.83	PK-U	38.4	0	-44.17	49.06	-	-	74	-24.94	-	-	212	131	V
	* 11.7002	43	ADR	38.4	1.17	-44.16	38.41	54	-15.59	-	-	-	-	212	131	V
3	15.045919	55.08	PK-U	39.6	0	-43.25	51.43	-	-	-	-	68.2	-16.77	216	191	H
4	15.050429	54.84	PK-U	39.6	0	-43.32	51.12	-	-	-	-	68.2	-17.08	96	312	V
5	17.552932	54.14	PK-U	41.6	0	-41.64	54.1	-	-	-	-	68.2	-14.1	350	148	H
6	17.560433	53.35	PK-U	41.6	0	-41.68	53.27	-	-	-	-	68.2	-14.93	313	202	V

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

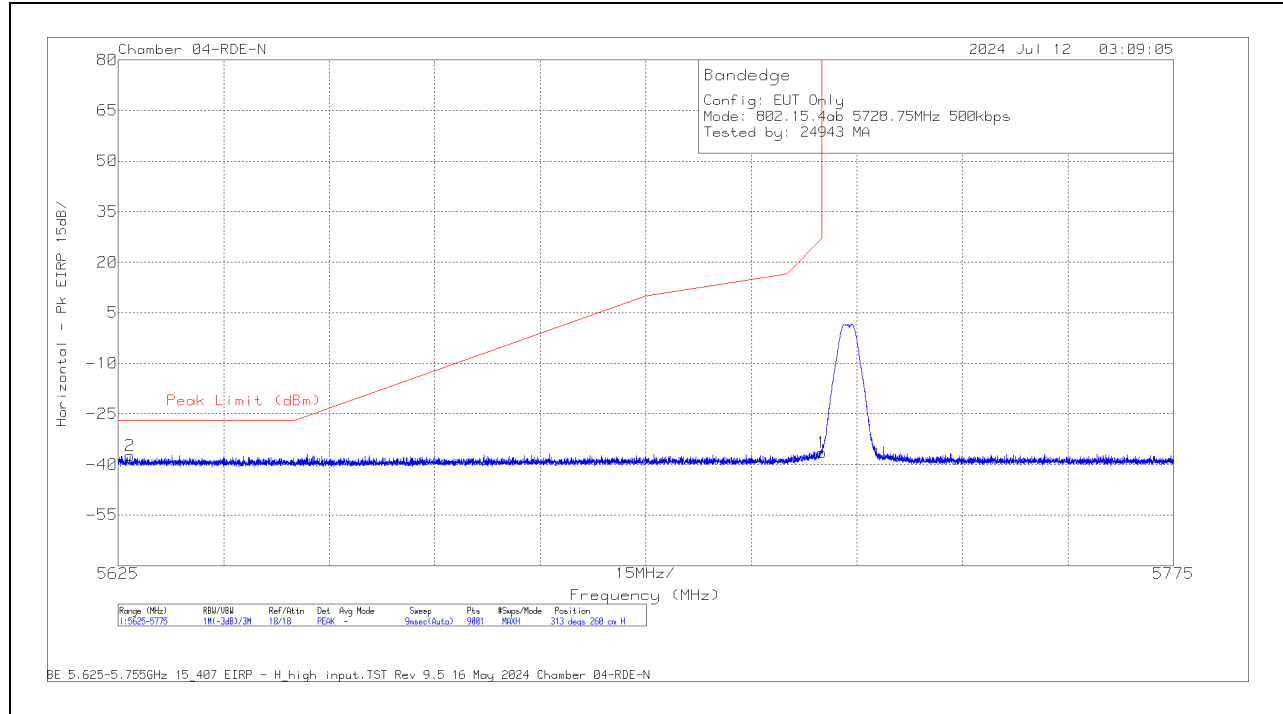
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.3. ANT 6, 500Kbps LOW POWER BAND EDGE IN THE 5.8 GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

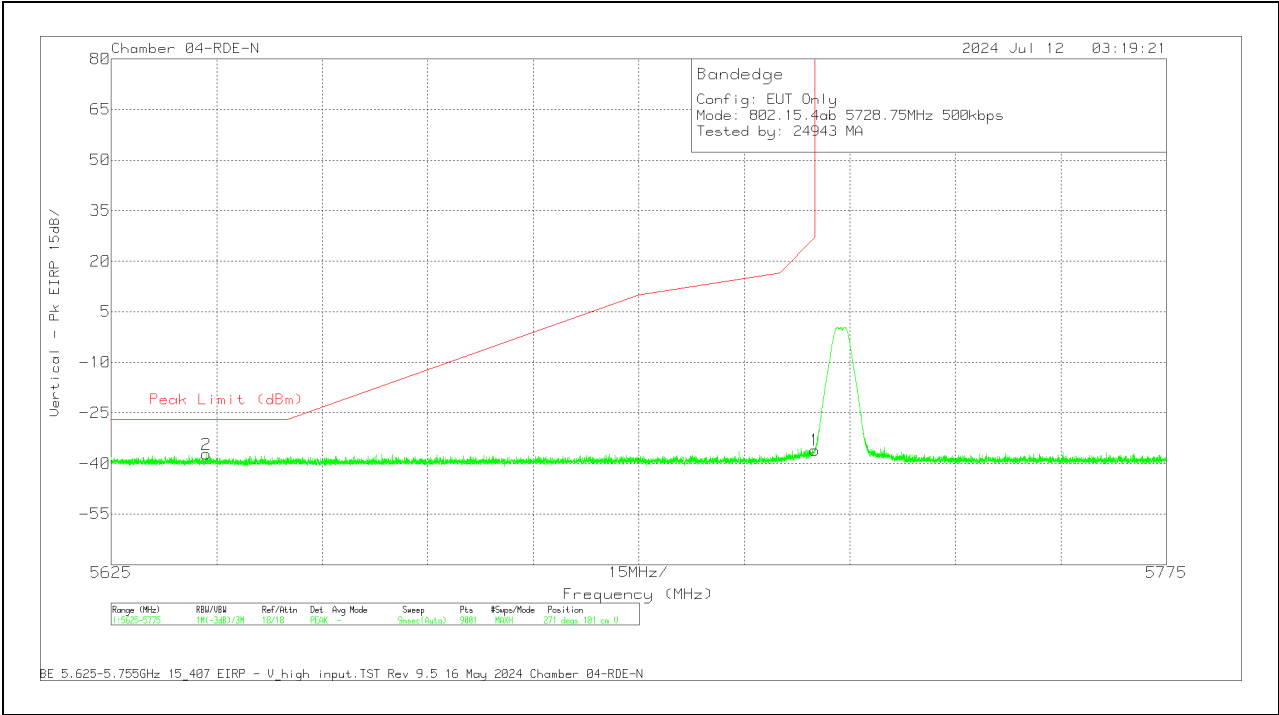


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB/m) 3m	Conversion Factor (dB)	Gain/Loss (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5626.683	-59.8	Pk	34.6	11.8	-23.96	-37.36	-27	-10.36	313	260	H
1	5725	-58.88	Pk	34.7	11.8	-24.05	-36.43	27	-63.43	313	260	H

Pk - Peak detector

VERTICAL RESULT



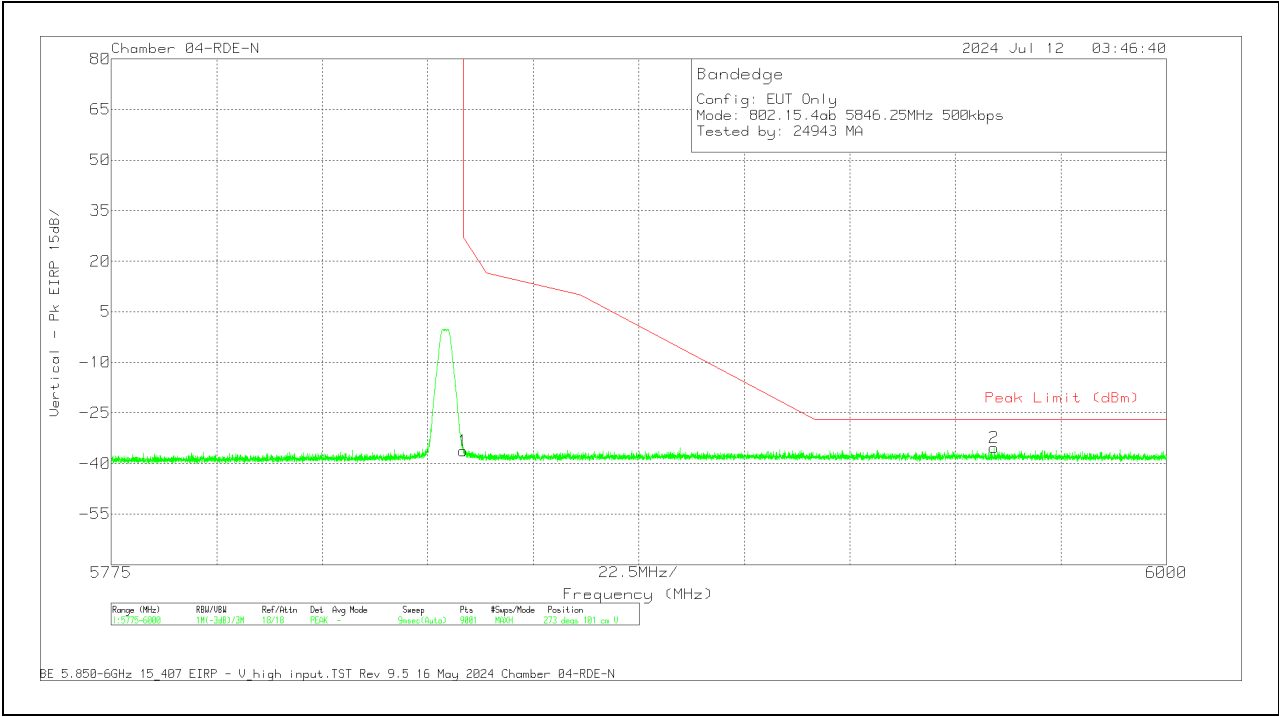
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB/m) 3m	Conversion Factor (dB)	Gain/Loss (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5638.55	-59.71	Pk	34.6	11.8	-23.97	-37.28	-27	-10.28	271	101	V
1	5725	-58.5	Pk	34.7	11.8	-24.05	-36.05	27	-63.05	271	101	V

Pk - Peak detector

HORIZONTAL RESULT

VERTICAL RESULT



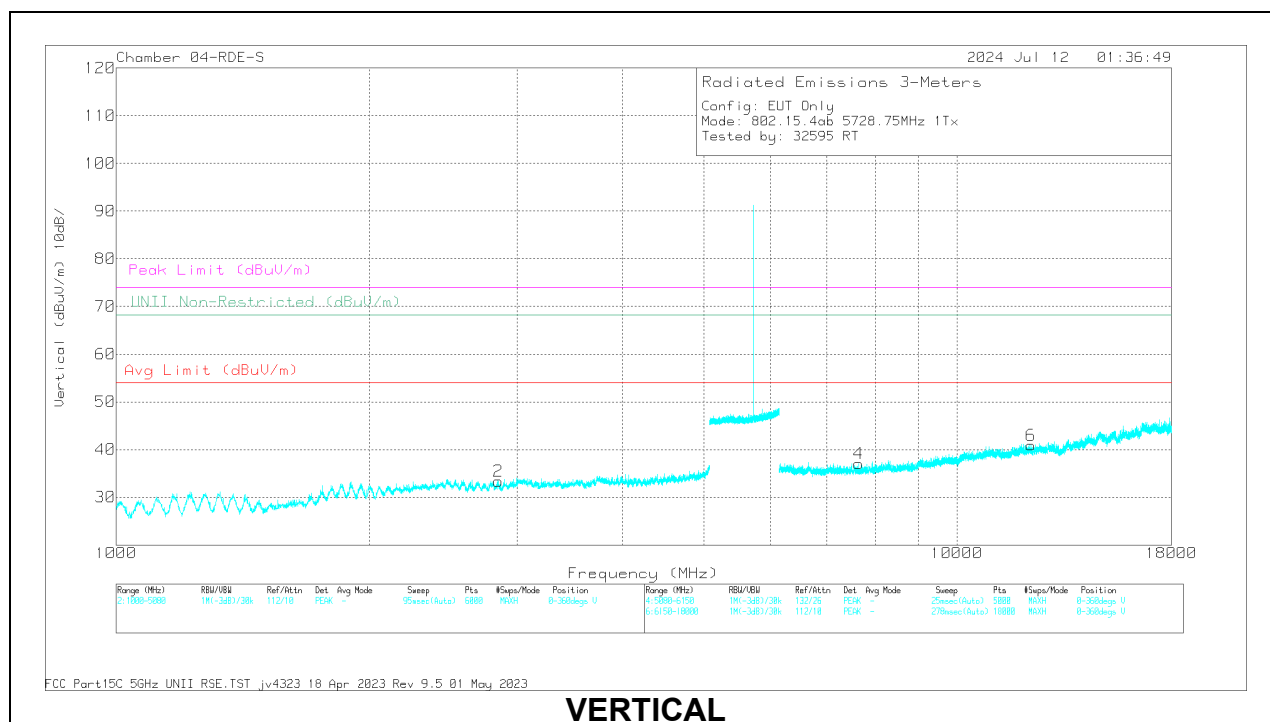
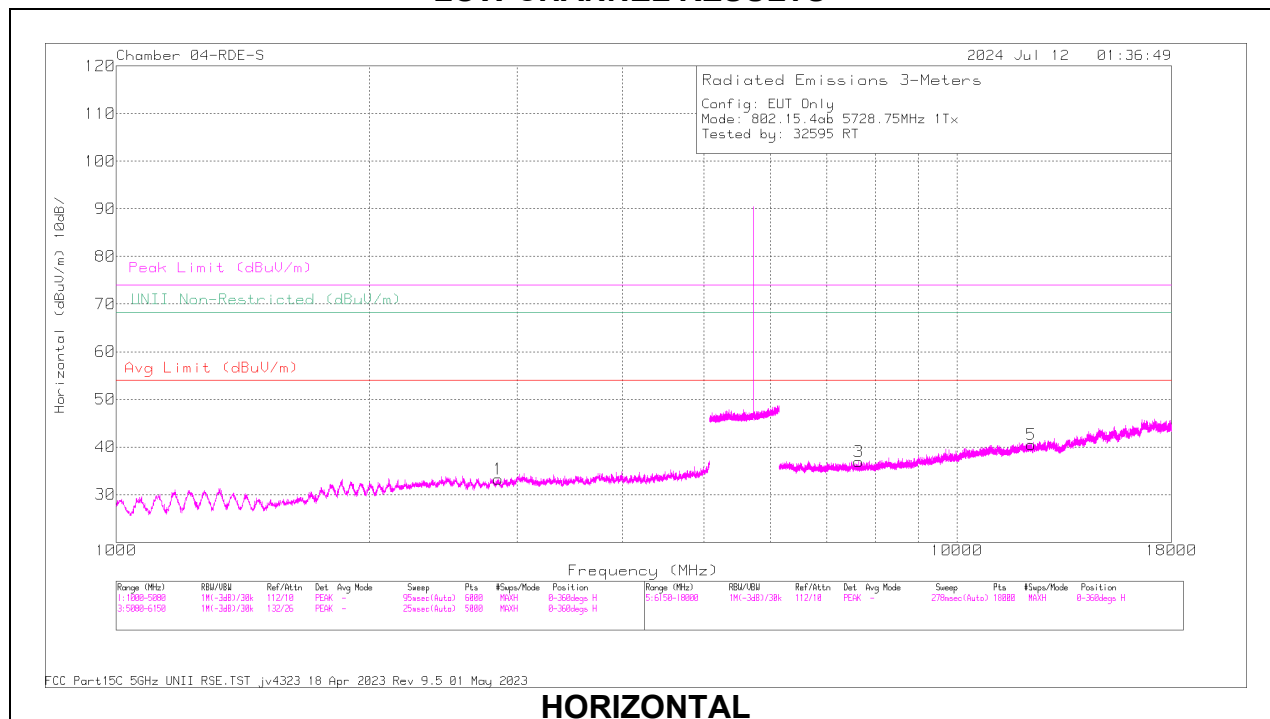
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	223083 ACF (dB/m) 3m	Conversion Factor (dB)	Gain/Loss (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5850	-59.03	Pk	34.8	11.8	-23.76	-36.19	27	-63.19	273	101	V
2	5963.3	-58.48	Pk	35	11.8	-23.62	-35.3	-27	-8.3	273	101	V

Pk - Peak detector

10.1.4. ANT 6, 500Kbps LOW POWER HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



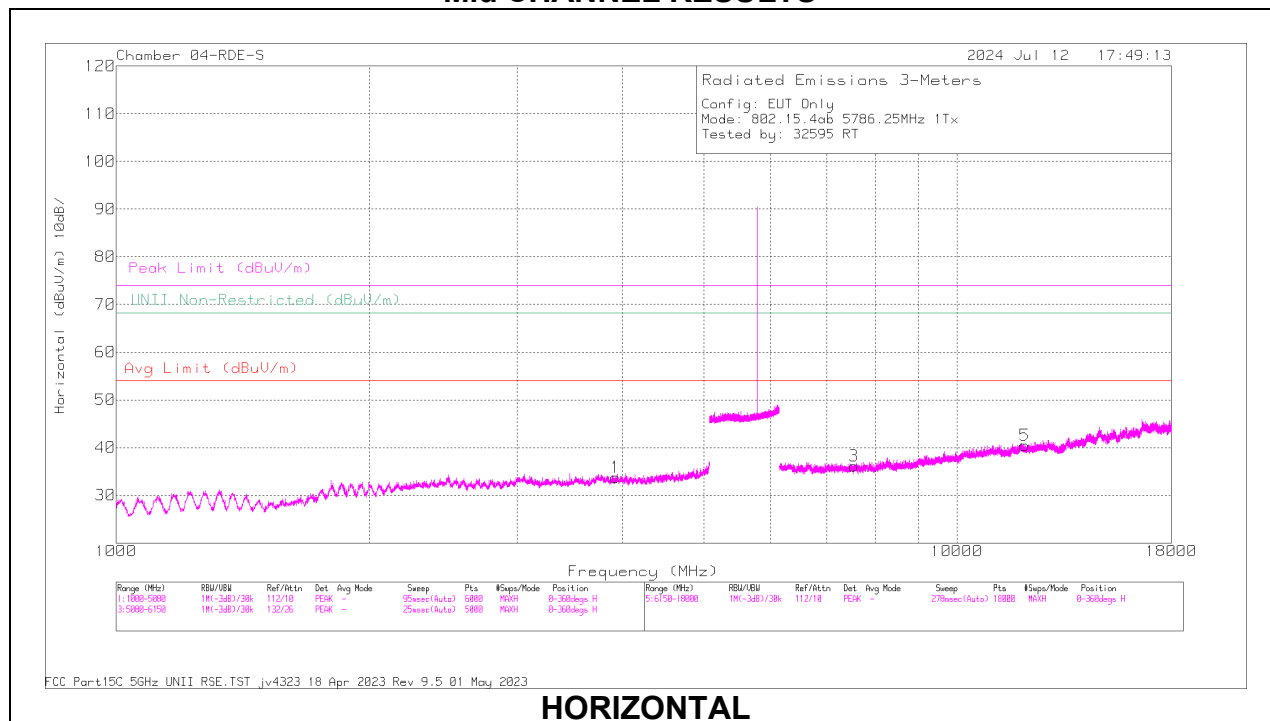
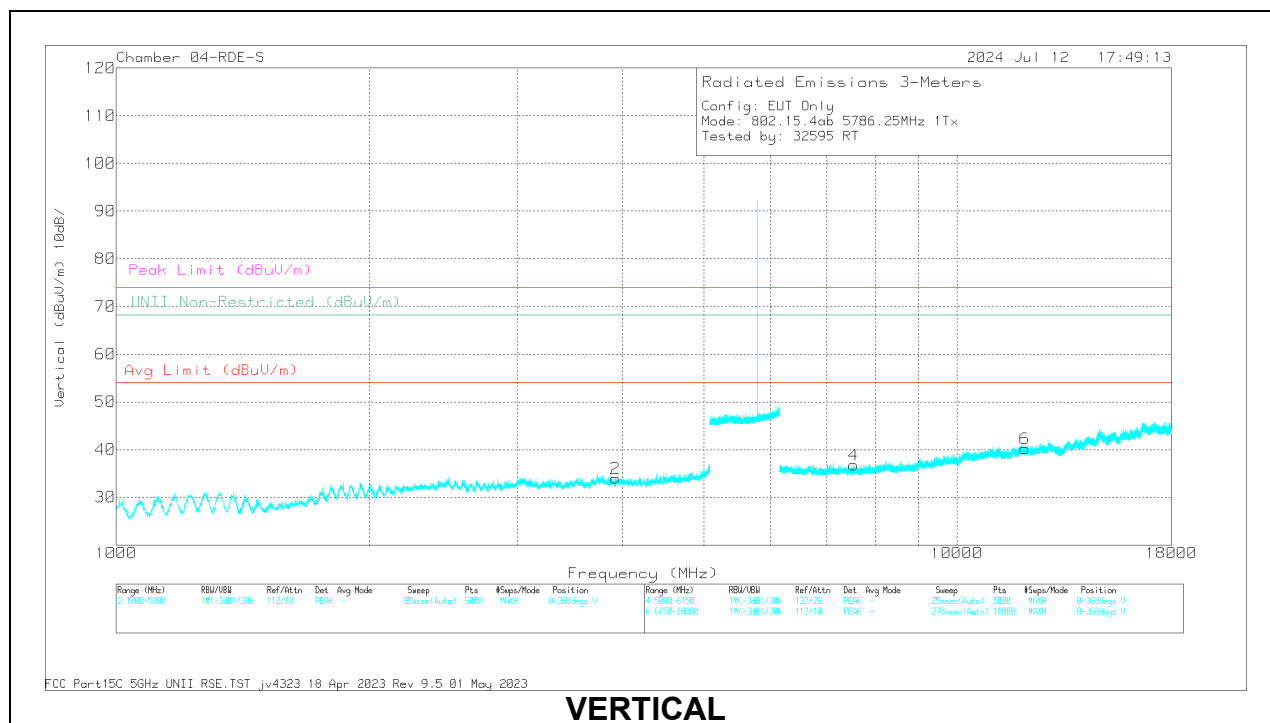
Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2850.332	58.71	PK-U	32.2	0	-48.08	42.83	-	-	74	-31.17	-	-	237	378	H
1	* 2847.523	47.41	ADR	32.2	1.17	-48.07	32.71	54	-21.29	-	-	-	-	237	378	H
2	* 2847.244	58.78	PK-U	32.2	0	-48.08	42.9	-	-	74	-31.1	-	-	19	250	V
2	* 2846.349	47.42	ADR	32.2	1.17	-48.08	32.71	54	-21.29	-	-	-	-	19	250	V
3	* 7643.735	55.28	PK-U	35.8	0	-45.16	45.92	-	-	74	-28.08	-	-	138	206	H
3	* 7641.502	43.78	ADR	35.8	1.17	-45.12	35.63	54	-18.37	-	-	-	-	138	206	H
5	* 12264.666	54.39	PK-U	38.8	0	-42.09	51.1	-	-	74	-22.9	-	-	327	216	H
5	* 12261.351	42.02	ADR	38.8	1.17	-42.02	39.97	54	-14.03	-	-	-	-	327	216	H
4	* 7637.962	55.16	PK-U	35.8	0	-45.09	45.87	-	-	74	-28.13	-	-	119	211	V
4	* 7637.908	43.66	ADR	35.8	1.17	-45.09	35.54	54	-18.46	-	-	-	-	119	211	V
6	* 12245.635	53.93	PK-U	38.8	0	-42.14	50.59	-	-	74	-23.41	-	-	39	131	V
6	* 12242.534	42.11	ADR	38.8	1.17	-42.16	39.92	54	-14.08	-	-	-	-	39	131	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

Mid CHANNEL RESULTS**HORIZONTAL****VERTICAL**

Radiated Emissions

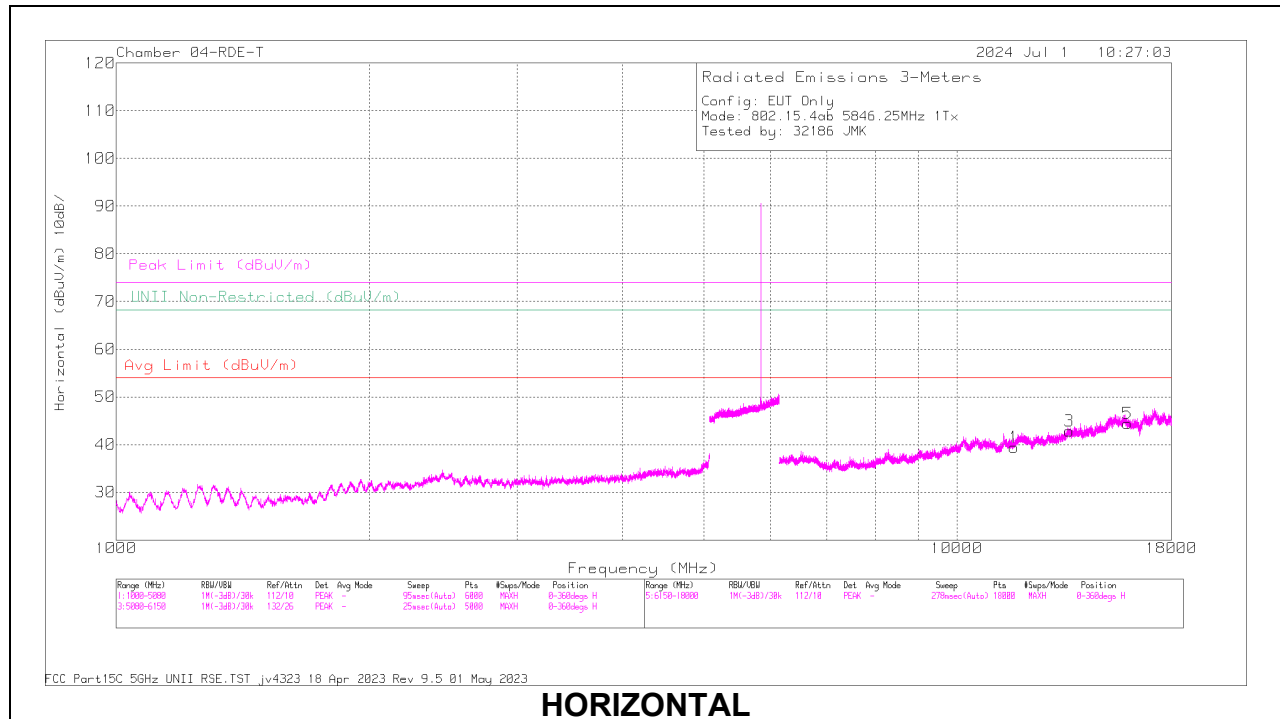
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3924.085	57.04	PK-U	33.5	0	-46.74	43.8	-	-	74	-30.2	-	-	66	168	H
1	* 3922.914	44.63	ADR	33.5	1.17	-46.72	32.58	54	-21.42	-	-	-	-	66	168	H
2	* 3924.705	56.59	PK-U	33.5	0	-46.75	43.34	-	-	74	-30.66	-	-	51	124	V
2	* 3923.367	44.72	ADR	33.5	1.17	-46.73	32.66	54	-21.34	-	-	-	-	51	124	V
3	* 7544.804	55.71	PK-U	35.7	0	-45.35	46.06	-	-	74	-27.94	-	-	311	10	H
3	* 7544.889	44	ADR	35.7	1.17	-45.35	35.52	54	-18.48	-	-	-	-	311	10	H
5	* 12041.762	53.55	PK-U	38.6	0	-42.2	49.95	-	-	74	-24.05	-	-	293	22	H
5	* 12042.135	41.36	ADR	38.6	1.17	-42.19	38.94	54	-15.06	-	-	-	-	293	22	H
4	* 7543.002	55.96	PK-U	35.7	0	-45.37	46.29	-	-	74	-27.71	-	-	189	349	V
4	* 7542.831	43.92	ADR	35.7	1.17	-45.37	35.42	54	-18.58	-	-	-	-	189	349	V
6	* 12048.335	53.42	PK-U	38.6	0	-42.24	49.78	-	-	74	-24.22	-	-	59	153	V
6	* 12047.168	41.44	ADR	38.6	1.17	-42.23	38.98	54	-15.02	-	-	-	-	59	153	V

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

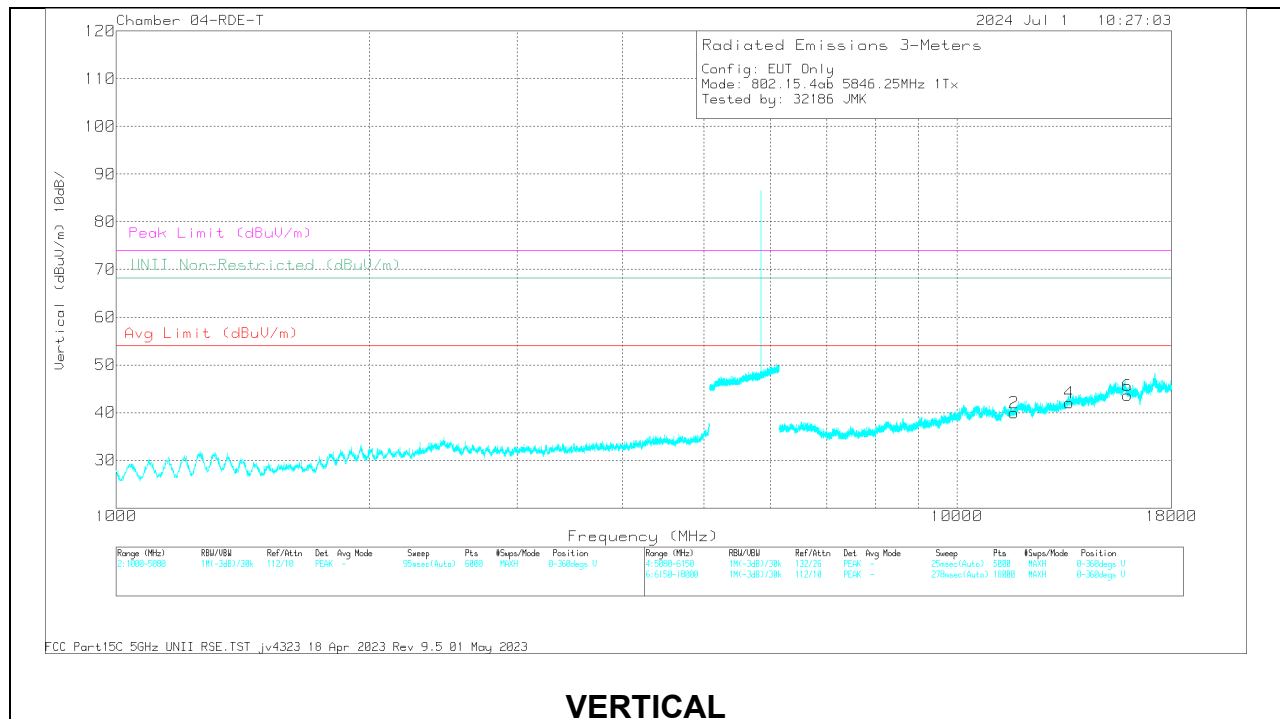
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

Radiated Emissions

Frequency (MHz)	Meter Reading (dBuV)	Det	80430 3m ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11694.417	54.22	PK-U	38.5	0	-41.58	51.14	-	-	74	-22.86	-	-	324	135	H
* 11692.932	42.02	ADR	38.5	1.17	-41.56	40.13	54	-13.87	-	-	-	-	324	135	H
* 15960.949	54.13	PK-U	41.1	0	-40.87	54.36	-	-	74	-19.64	-	-	252	194	H
* 15960.479	42.16	ADR	41.1	1.17	-40.88	43.55	54	-10.45	-	-	-	-	252	194	H
* 11693.077	53.87	PK-U	38.5	0	-41.57	50.8	-	-	74	-23.2	-	-	320	248	V
* 11694.473	42.1	ADR	38.5	1.17	-41.58	40.19	54	-13.81	-	-	-	-	320	248	V
* 15960.408	53.74	PK-U	41.1	0	-40.88	53.96	-	-	74	-20.04	-	-	264	158	V
* 15959.253	42	ADR	41.1	1.17	-40.91	43.36	54	-10.64	-	-	-	-	264	158	V
13603.959	42.78	ADR	39.4	1.17	-41.27	44.51	-	-	-	-	-	-	265	198	V
13604.484	42.9	ADR	39.4	1.17	-41.28	44.62	-	-	-	-	-	-	73	218	H
13606.04	55.02	PK-U	39.4	0	-41.31	53.11	-	-	-	-	68.2	-15.09	73	218	H
13606.926	54.96	PK-U	39.4	0	-41.44	52.92	-	-	-	-	68.2	-15.28	265	198	V

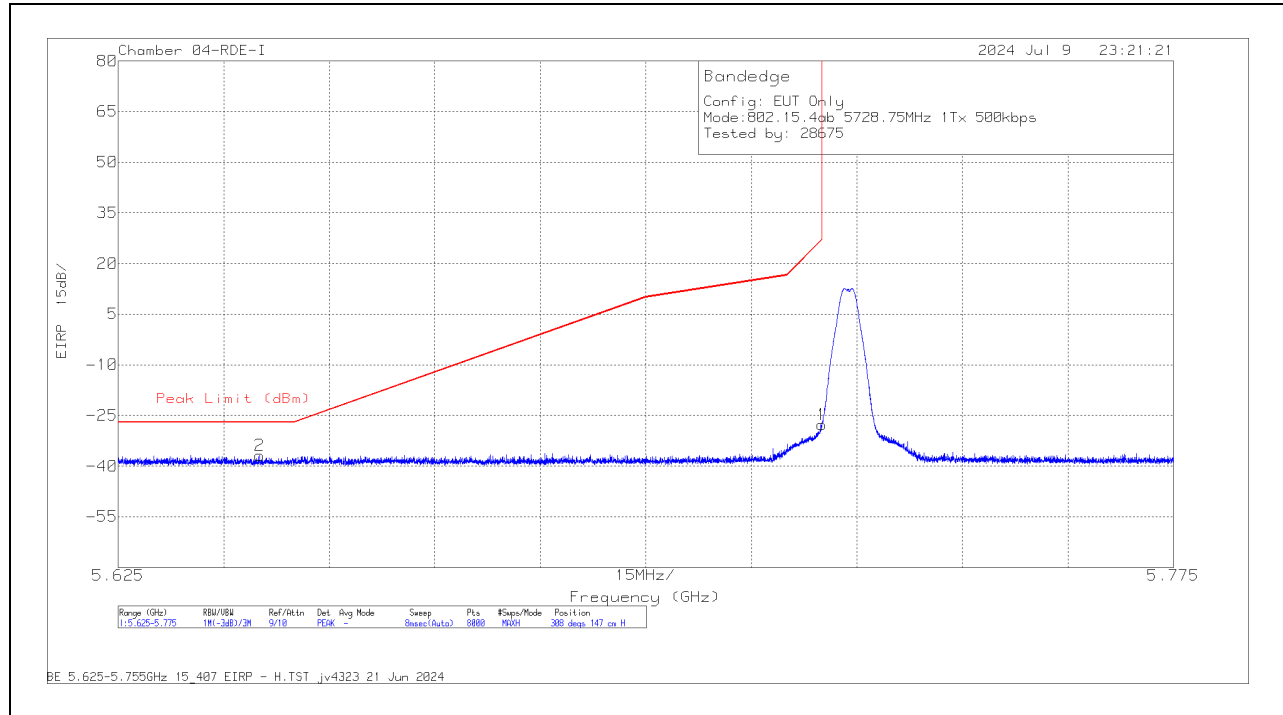
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.5. ANT 5, 500Kbps, HIGH POWER BAND EDGE IN THE 5.8 GHz BAND BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

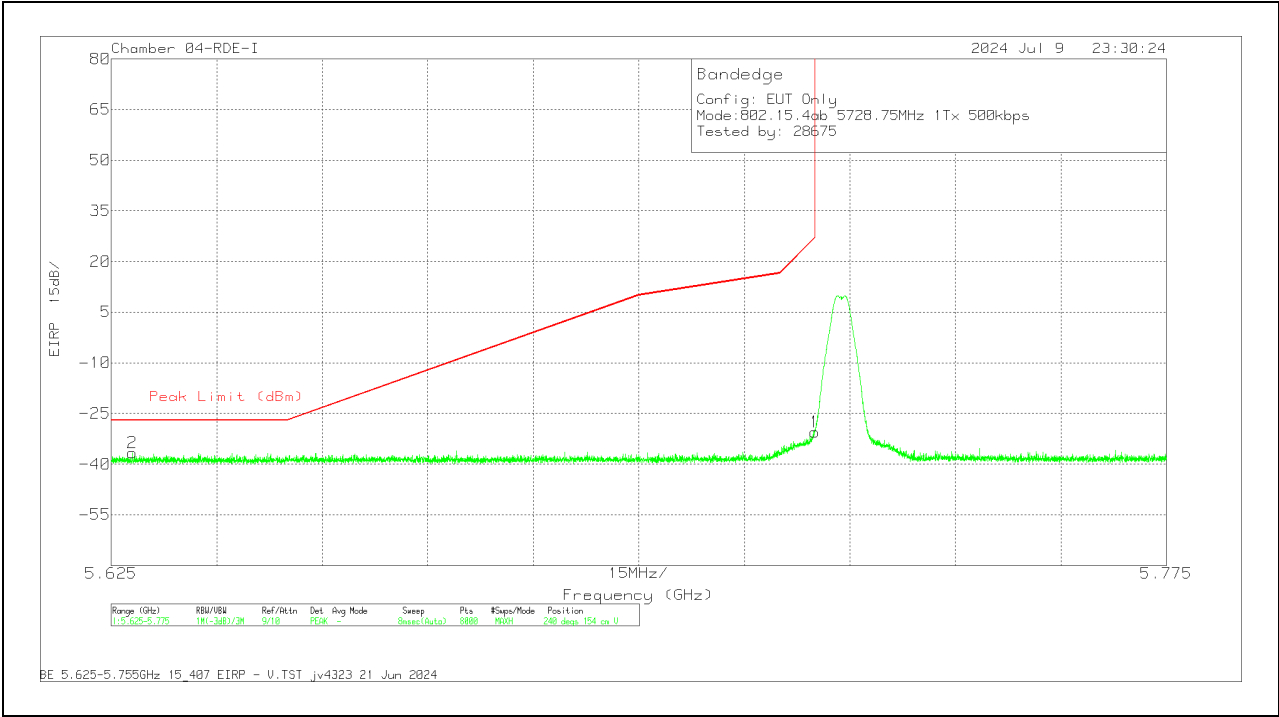


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	84797 ACF (dB/m)	CBL AMP Pad(dB)	Conversion Factor (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.645102	-66.7	Pk	34.9	-16.8	11.8	-36.8	-27	-9.8	308	147	H
1	5.725	-57.85	Pk	34.9	-16.6	11.8	-27.75	27	-54.75	308	147	H

Pk - Peak detector

VERTICAL RESULT



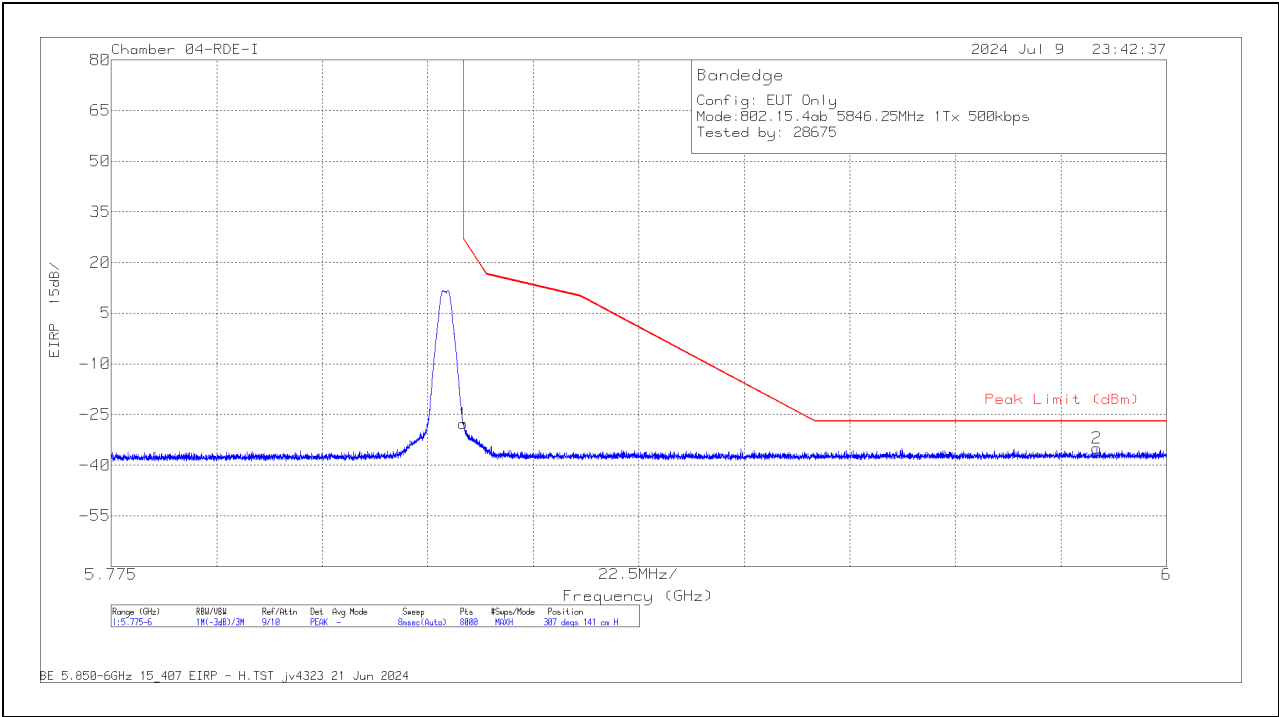
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	84797 ACF (dB/m)	CBL AMP Pad(dB)	Conversion Factor (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.627982	-66.6	Pk	34.9	-16.7	11.8	-36.6	-27	-9.6	240	154	V
1	5.725	-60.66	Pk	34.9	-16.6	11.8	-30.56	27	-57.56	240	154	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

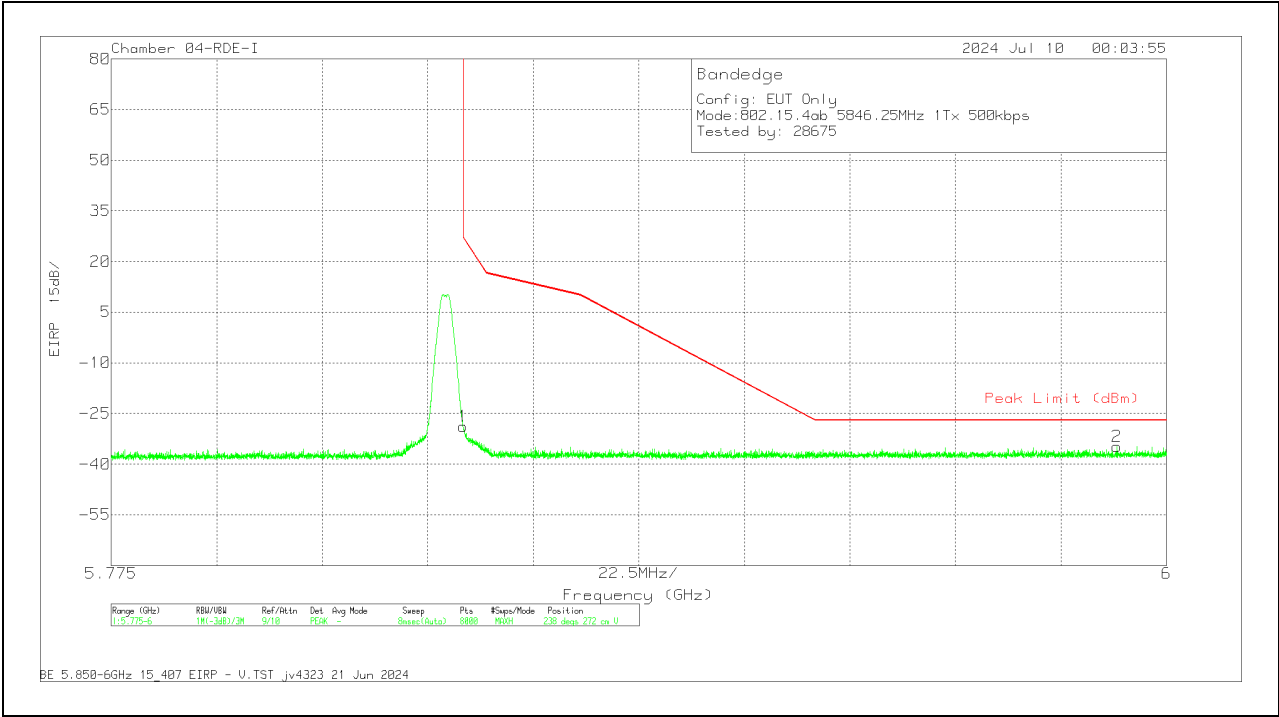


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	84797 ACF (dB/m)	CBL AMP Pad(dB)	Conversion Factor (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-59.04	Pk	35	-15.5	11.8	-27.74	27	-54.74	307	141	H
2	5.985152	-66.39	Pk	35.4	-15.7	11.8	-34.89	-27	-7.89	307	141	H

Pk - Peak detector

VERTICAL RESULT



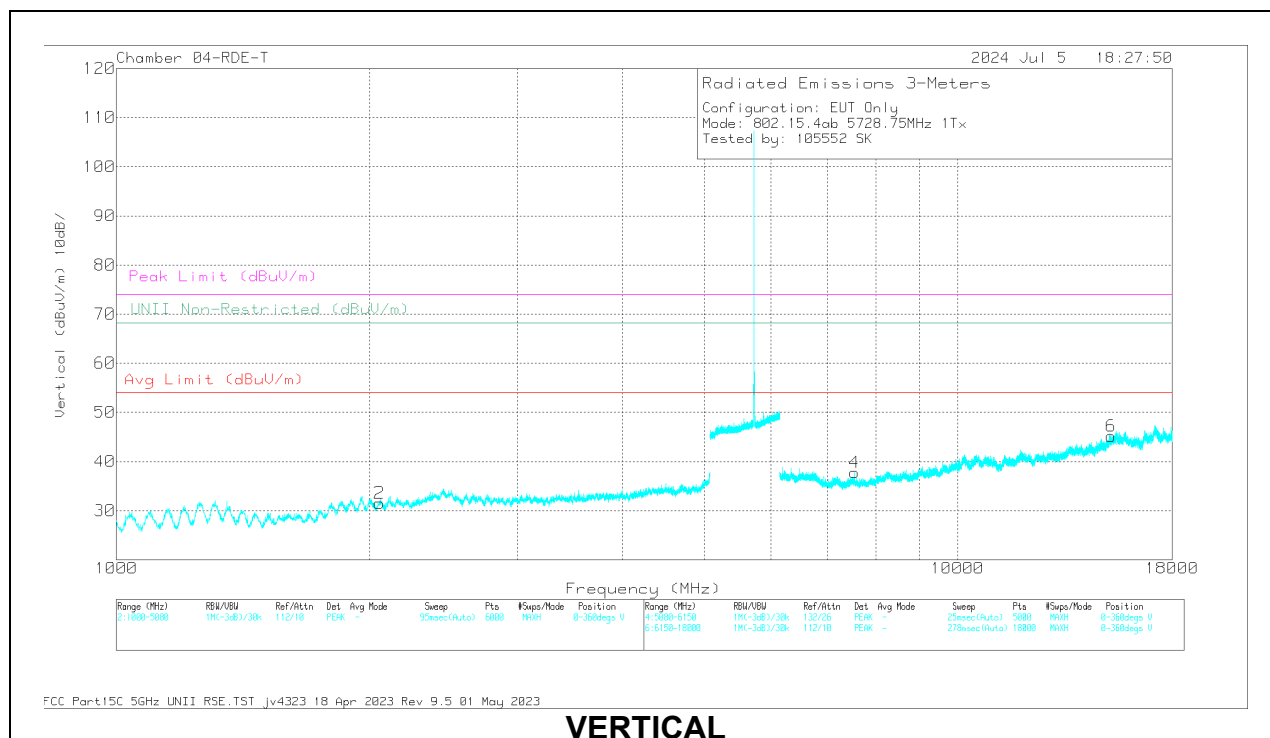
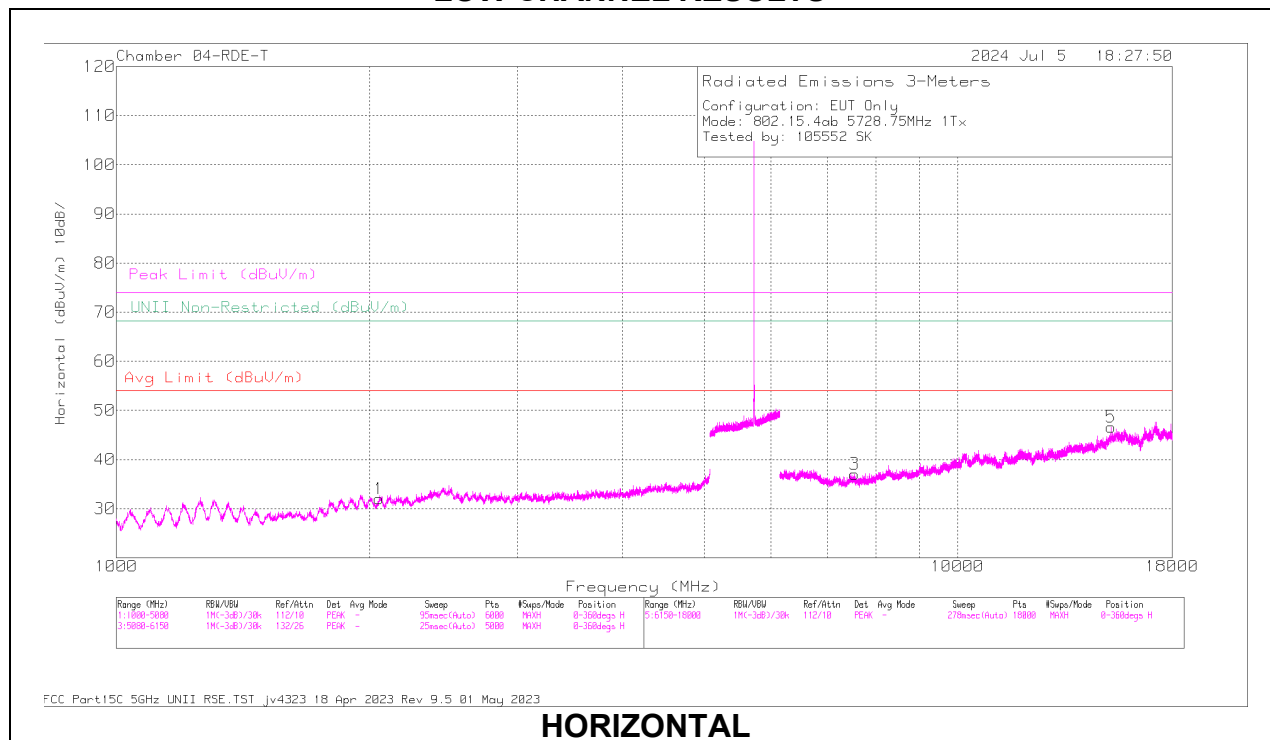
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	84797 ACF (dB/m)	CBL AMP Pad(dB)	Conversion Factor (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-60.06	Pk	35	-15.5	11.8	-28.76	27	-55.76	238	272	V
2	5.989399	-66.19	Pk	35.4	-15.8	11.8	-34.79	-27	-7.79	238	272	V

Pk - Peak detector

10.1.6. ANT 5, 500Kbps HIGH POWER HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



Radiated Emissions

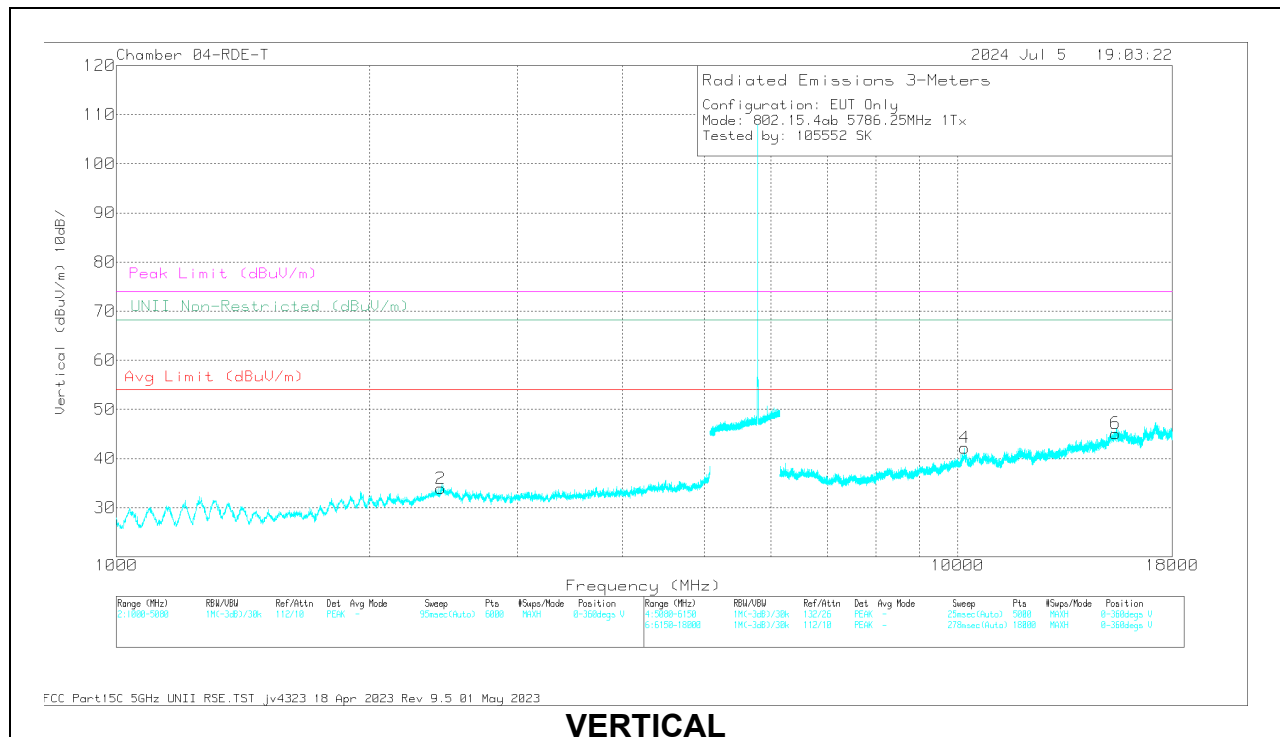
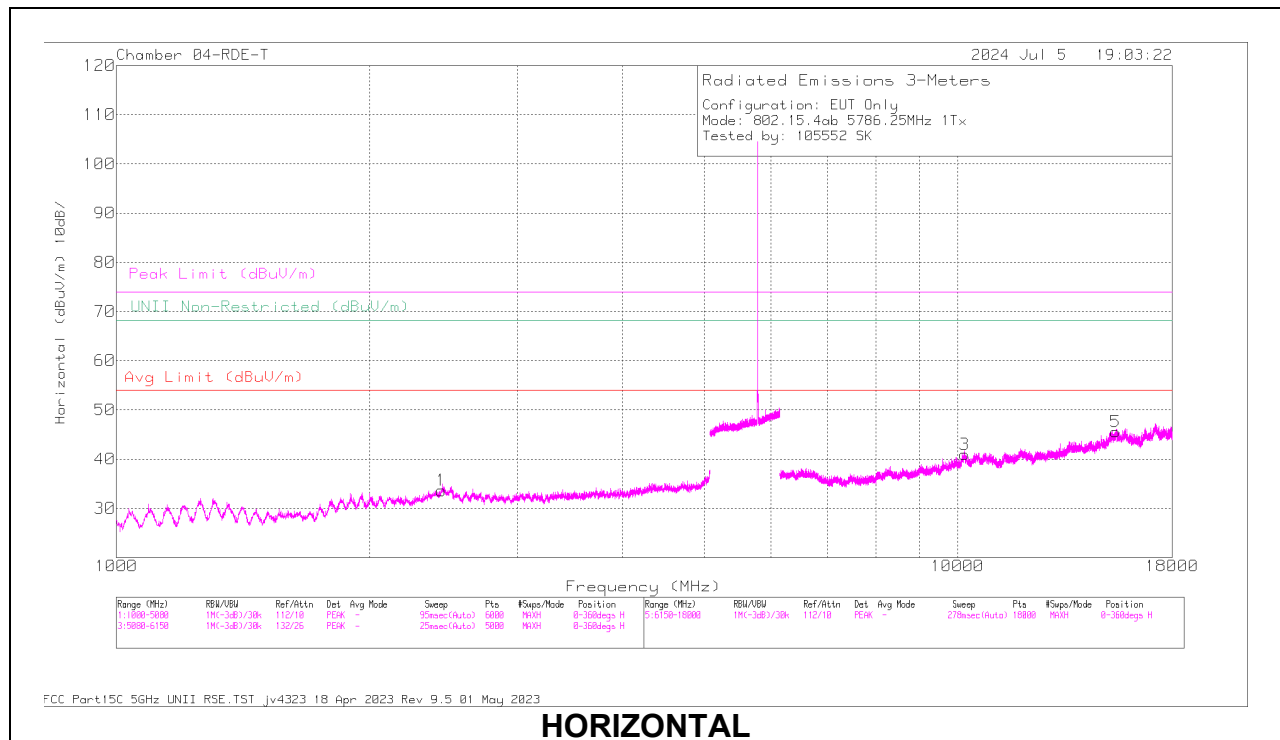
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 7546.055	55.28	PK-U	35.6	0	-44.23	46.65	-	-	74	-27.35	-	-	161	207	H
3	* 7545.842	43.25	ADR	35.6	1.17	-44.24	35.78	54	-18.22	-	-	-	-	161	207	H
4	* 7543.065	55.85	PK-U	35.6	0	-44.26	47.19	-	-	74	-26.81	-	-	234	284	V
4	* 7542.269	43.41	ADR	35.6	1.17	-44.26	35.925	54	-18.08	-	-	-	-	234	284	V
1	2052.947	59.12	PK-U	31.7	0	-48.58	42.24	-	-	-	-	68.2	-25.96	84	142	H
2	2056.555	59.27	PK-U	31.7	0	-48.63	42.34	-	-	-	-	68.2	-25.86	123	165	V
6	15227.728	52.98	PK-U	41.1	0	-39.6	54.48	-	-	-	-	68.2	-13.72	352	314	V
5	15230.588	53.64	PK-U	41.1	0	-39.84	54.9	-	-	-	-	68.2	-13.3	150	260	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

MID CHANNEL RESULTS



Radiated Emissions

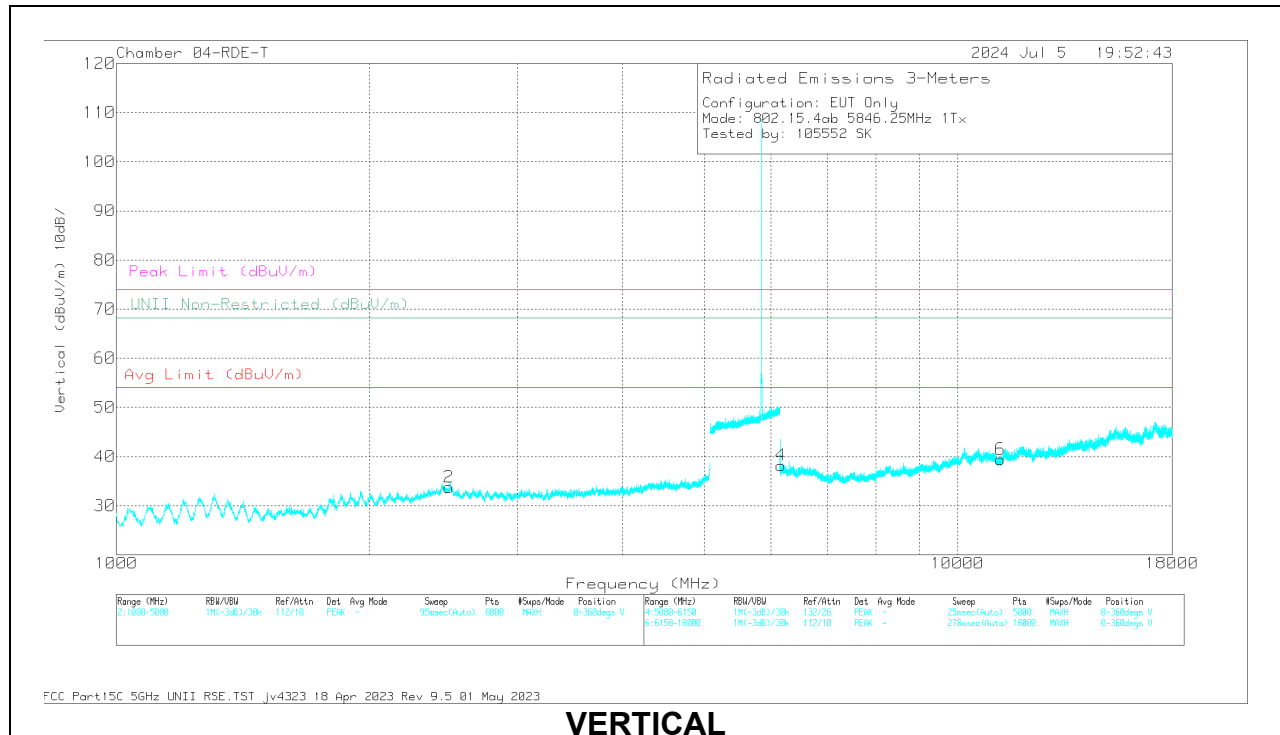
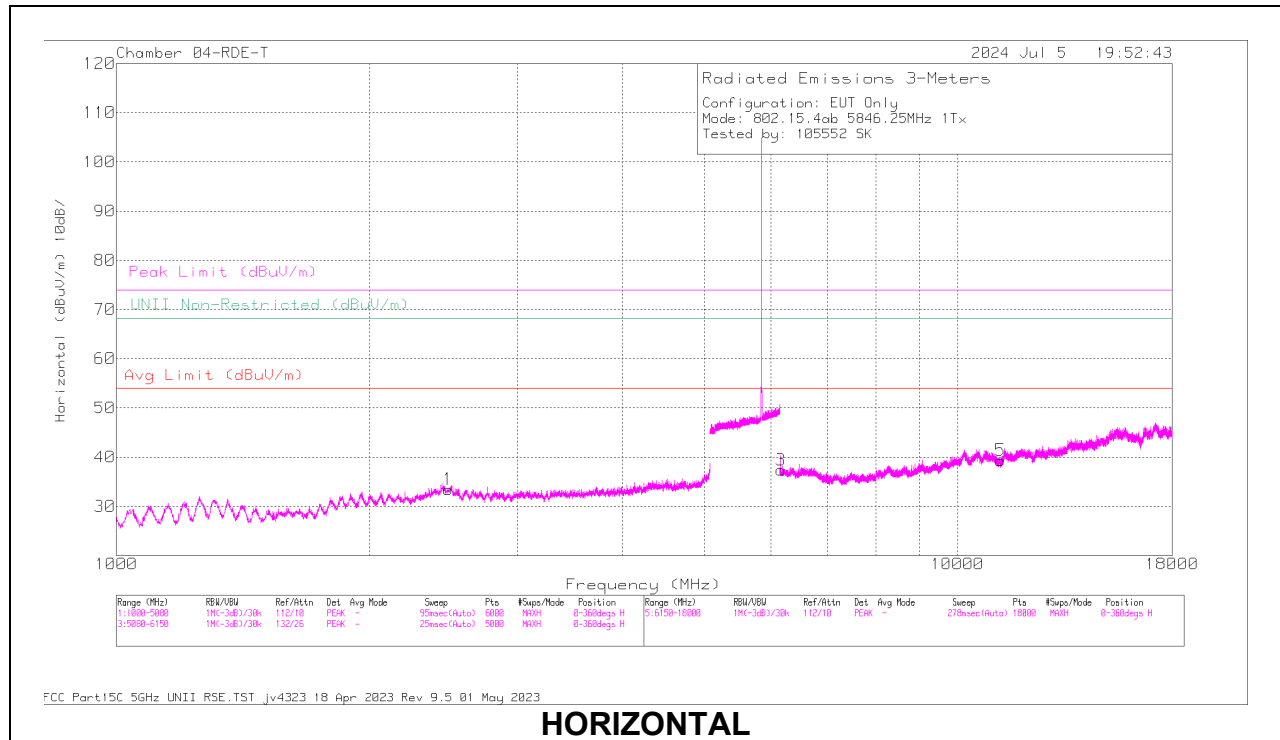
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 15408.774	53.24	PK-U	41.5	0	-39.94	54.8	-	-	74	-19.2	-	-	130	238	H
	* 15407.364	41.35	ADR	41.5	1.17	-40	44.02	54	-9.98	-	-	-	-	130	238	H
6	* 15410.031	53.05	PK-U	41.5	0	-39.91	54.64	-	-	74	-19.36	-	-	302	392	V
	* 15409.16	41.33	ADR	41.5	1.17	-39.94	44.06	54	-9.94	-	-	-	-	302	392	V
2	2430.907	59.55	PK-U	33.5	0	-48.54	44.51	-	-	-	-	68.2	-23.69	28	119	V
1	2433.514	58.74	PK-U	33.5	0	-48.5	43.74	-	-	-	-	68.2	-24.46	85	136	H
3	10194.479	54.96	PK-U	37.7	0	-41.61	51.05	-	-	-	-	68.2	-17.15	84	239	H
4	10195.015	54.73	PK-U	37.7	0	-41.59	50.84	-	-	-	-	68.2	-17.36	210	246	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

HIGH CHANNEL RESULTS



Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2494.958	58.96	PK-U	33.4	0	-48.41	43.95	-	-	74	-30.05	-	-	111	134	V
2	* 2495.128	46.92	ADR	33.4	1.17	-48.41	33.08	54	-20.92	-	-	-	-	111	134	V
5	* 11243.786	54.1	PK-U	37.7	0	-42.17	49.63	-	-	74	-24.37	-	-	321	145	H
5	* 11246.363	42.16	ADR	37.7	1.17	-42.25	38.78	54	-15.22	-	-	-	-	321	145	H
6	* 11247.081	54.41	PK-U	37.7	0	-42.21	49.9	-	-	74	-24.1	-	-	64	231	V
6	* 11250.36	42.3	ADR	37.7	1.17	-42.14	39.03	54	-14.97	-	-	-	-	64	231	V
1	2479.454	58.84	PK-U	33.4	0	-48.39	43.85	-	-	-	-	68.2	-24.35	73	160	H
4	6164.839	56.6	PK-U	36.3	0	-44.08	48.82	-	-	-	-	68.2	-19.38	8	243	V
3	6166.16	54.95	PK-U	36.3	0	-44.12	47.13	-	-	-	-	68.2	-21.07	299	113	H

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

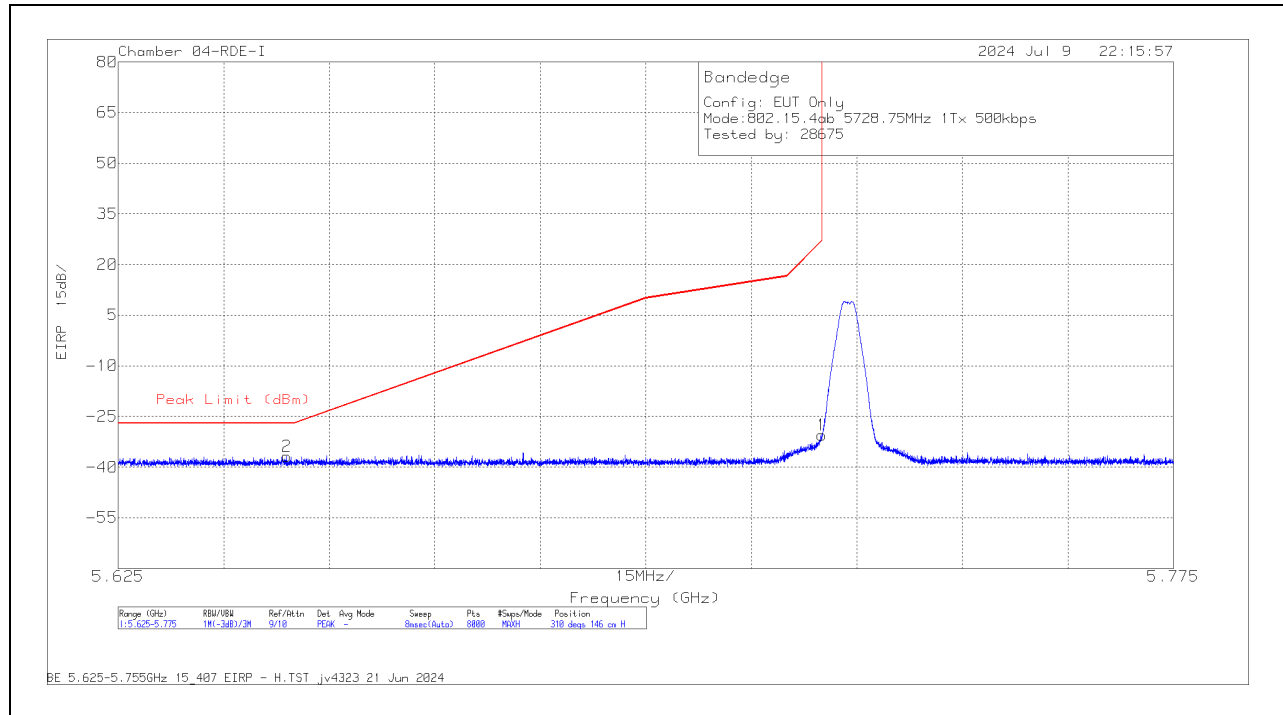
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.7. ANT 5, 500Kbps, LOW POWER BAND EDGE IN THE 5.8 GHz BAND

BANDEDGE (LOW CHANNEL)

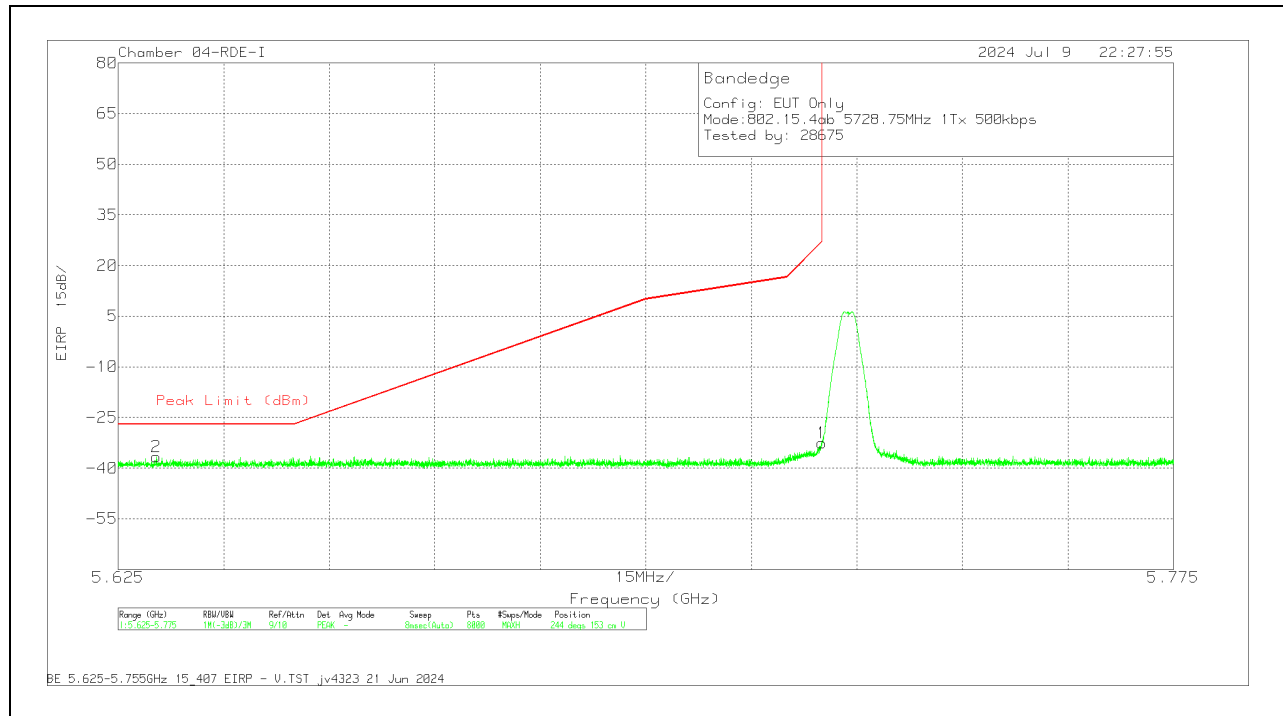
HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	84797 ACF (dB/m)	CBL AMP Pad(dB)	Conversion Factor (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.648984	-66.73	Pk	34.9	-16.8	11.8	-36.83	-27	-9.83	310	146	H
1	5.725	-60.56	Pk	34.9	-16.6	11.8	-30.46	27	-57.46	310	146	H

Pk - Peak detector

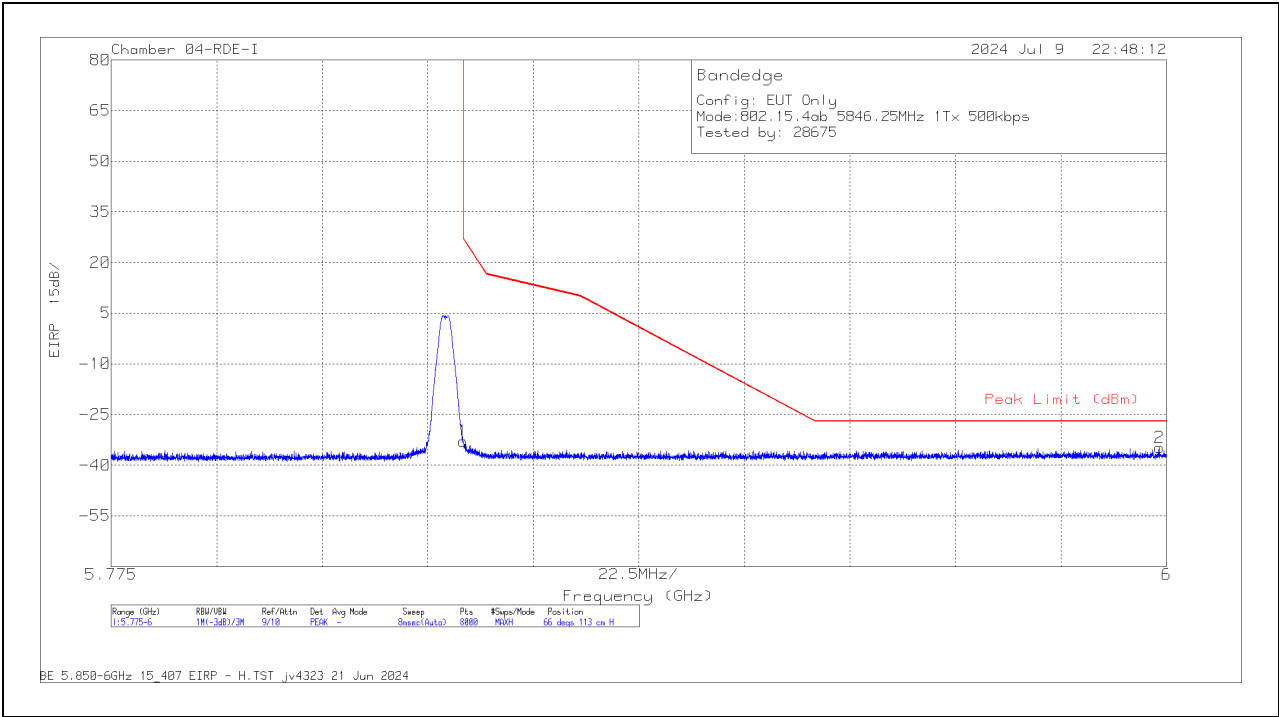
VERTICAL RESULT**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	84797 ACF (dB/m)	CBL AMP Pad(dB)	Conversion Factor (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.630382	-66.63	Pk	34.9	-16.7	11.8	-36.63	-27	-9.63	244	153	V
1	5.725	-62.65	Pk	34.9	-16.6	11.8	-32.55	27	-59.55	244	153	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

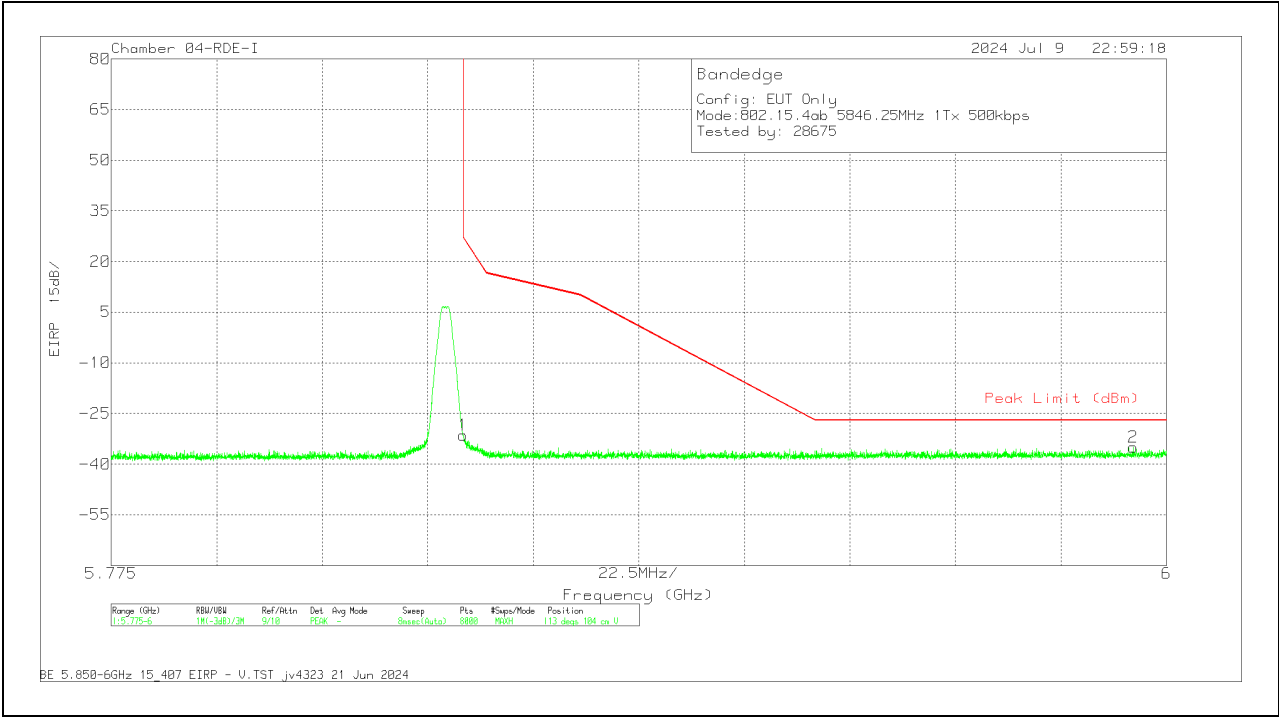


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	84797 ACF (dB/m)	CBL AMP Pad(dB)	Conversion Factor (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
1	5.85	-64.28	Pk	35	-15.5	11.8	-32.98	27	-59.98	66	113	H
2	5.998541	-66.19	Pk	35.4	-15.8	11.8	-34.79	-27	-7.79	66	113	H

Pk - Peak detector

VERTICAL RESULT



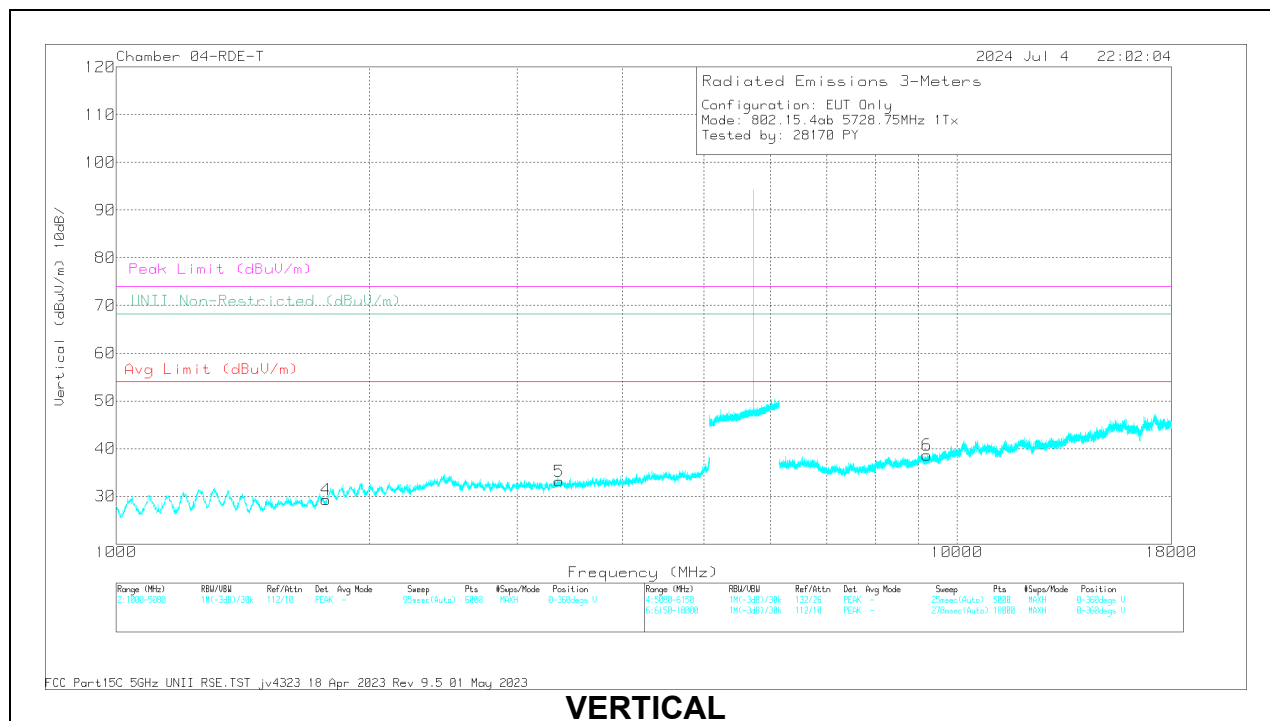
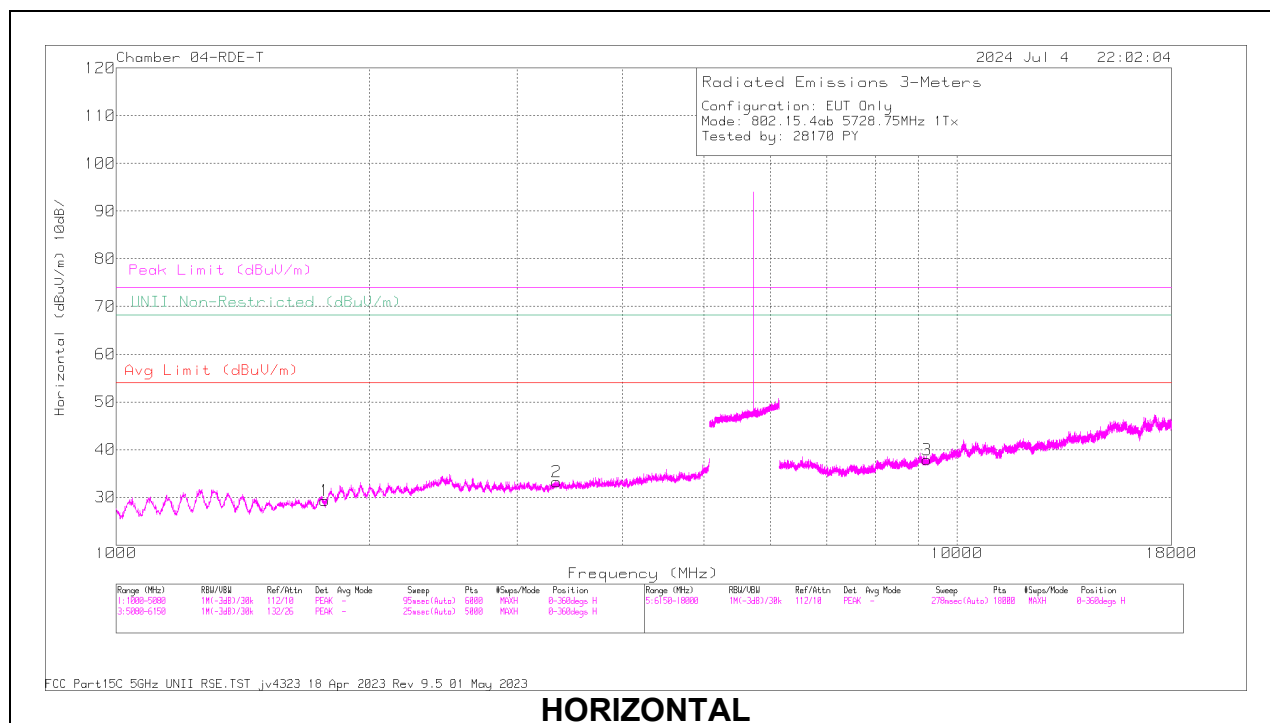
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	84797 ACF (dB/m)	CBL AMP Pad(dB)	Conversion Factor (dB)	Corrected Reading EIRP (dBm)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-62.67	Pk	35	-15.5	11.8	-31.37	27	-58.37	113	104	V
2	5.992943	-66.49	Pk	35.4	-15.7	11.8	-34.99	-27	-7.99	113	104	V

Pk - Peak detector

10.1.8. ANT 5, 500Kbps LOW POWER HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



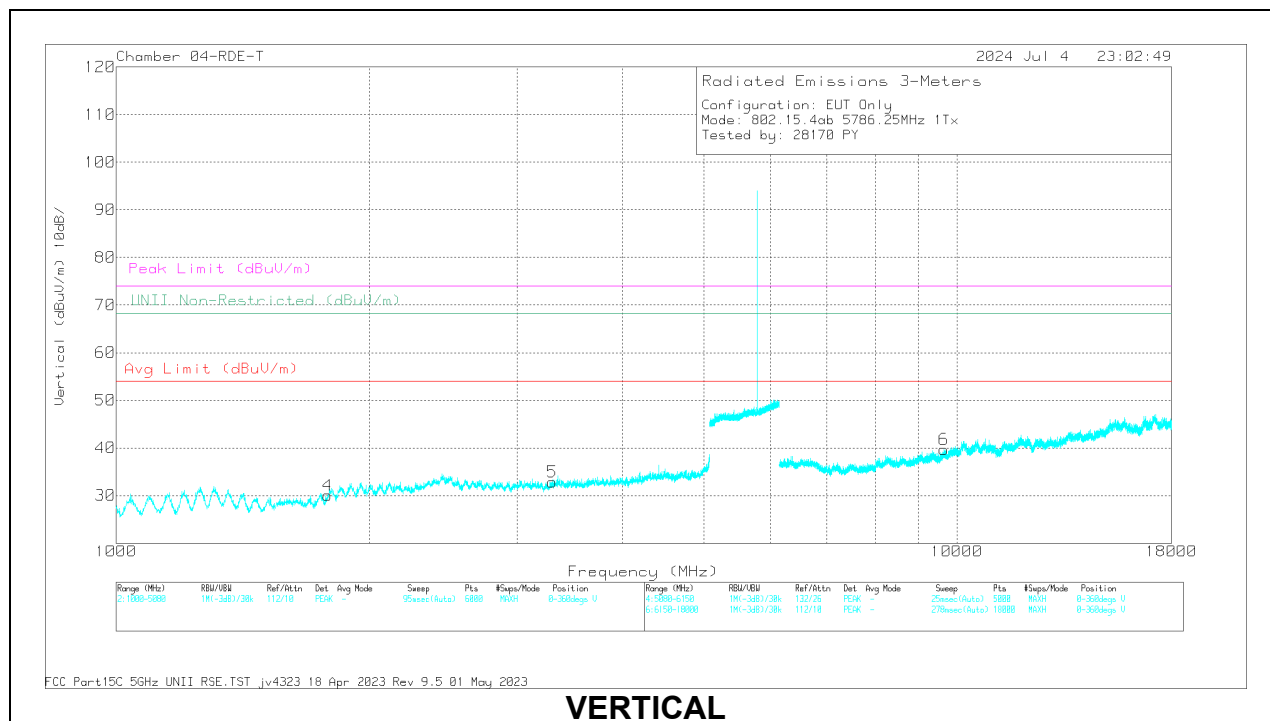
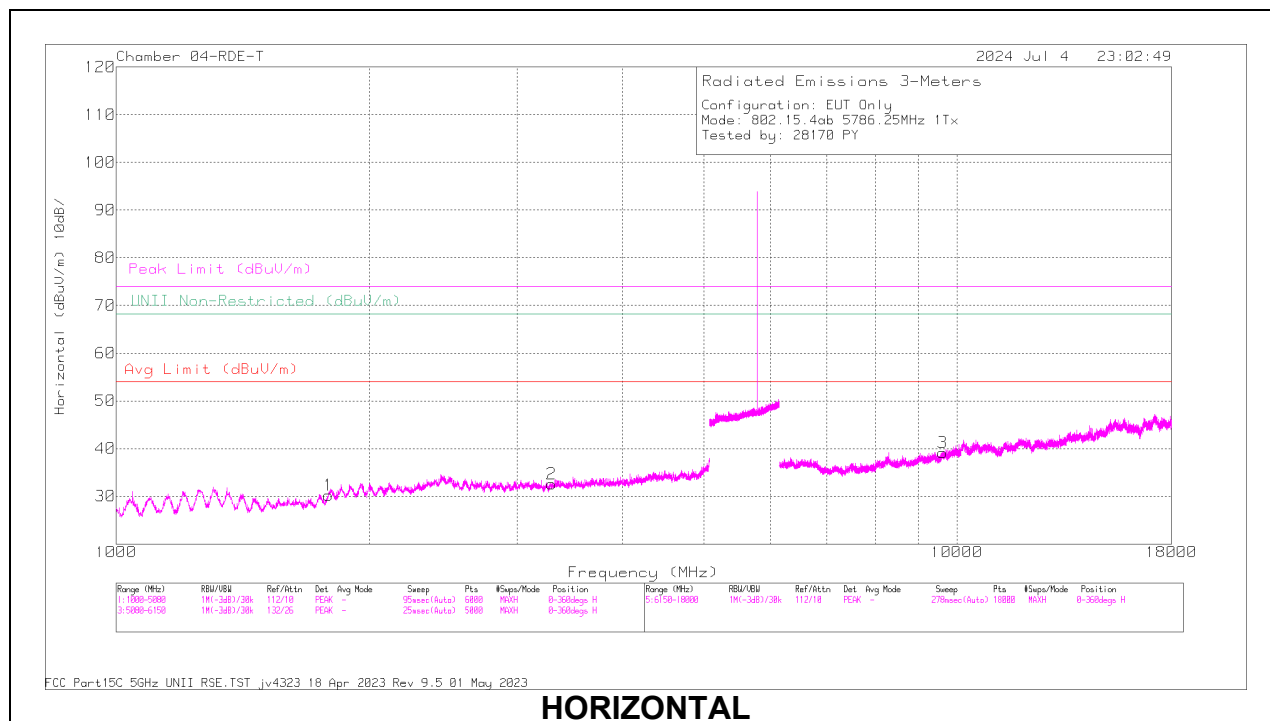
Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1768.935	57.77	PK-U	29.8	0	-48.47	39.1	68.2	-29.1	166	118	H
4	1778.224	58.22	PK-U	29.9	0	-48.55	39.57	68.2	-28.63	210	341	V
2	3343.598	55.91	PK-U	32.9	0	-45.67	43.14	68.2	-25.06	360	283	H
5	3360.152	55.64	PK-U	32.9	0	-45.65	42.89	68.2	-25.31	344	376	V
3	9214.698	54.52	PK-U	36.1	0	-42.87	47.75	68.2	-20.45	148	222	H
6	9219.282	54.34	PK-U	36.1	0	-43.02	47.42	68.2	-20.78	190	117	V

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



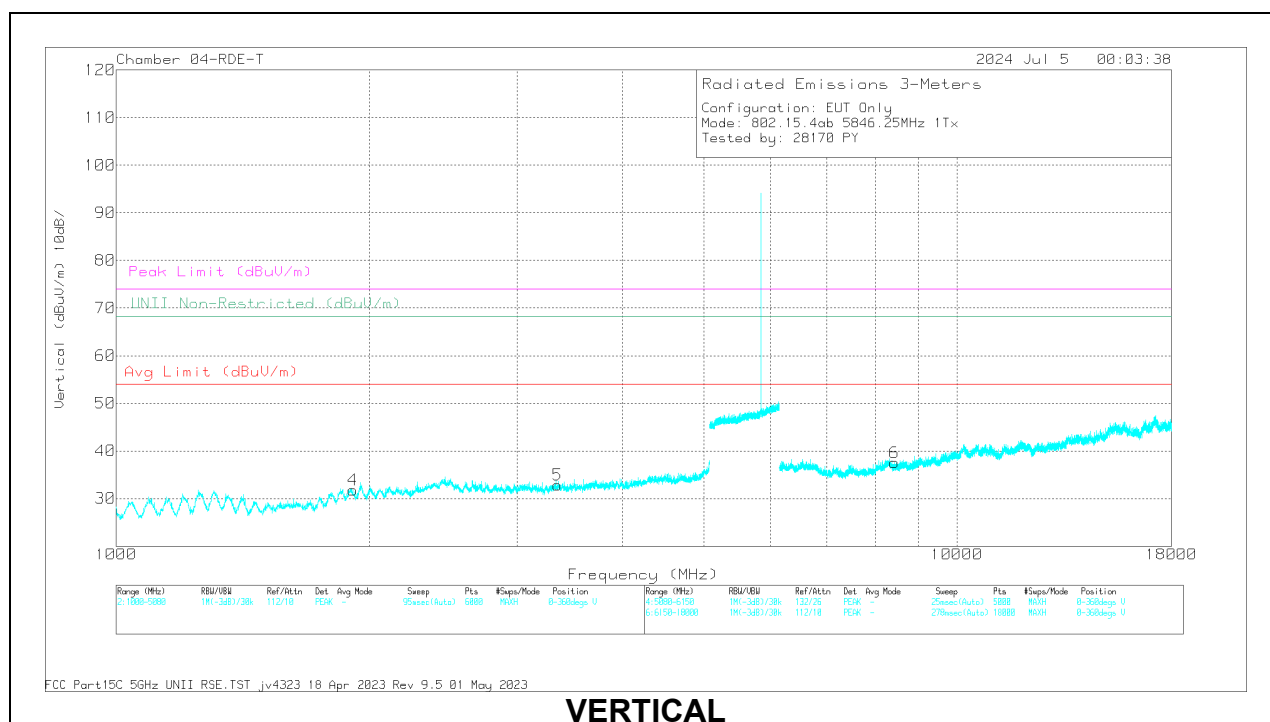
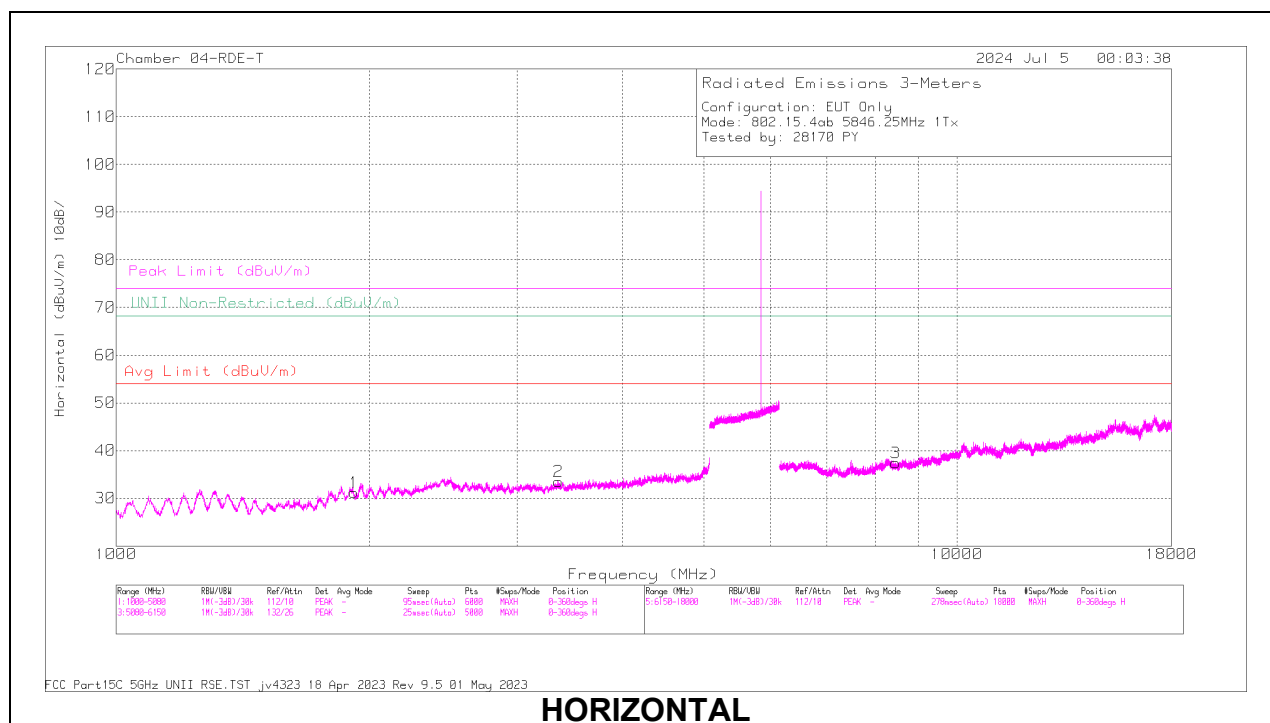
RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1783.393	58.6	PK-U	30	0	-48.42	40.18	68.2	-28.02	213	203	V
1	1788.289	58.85	PK-U	30.1	0	-48.44	40.51	68.2	-27.69	152	248	H
2	3294.134	55.18	PK-U	32.8	0	-45.14	42.84	68.2	-25.36	260	171	H
5	3299.58	55.24	PK-U	32.8	0	-45.31	42.73	68.2	-25.47	185	272	V
3	9623.456	54.5	PK-U	36.7	0	-42.31	48.89	68.2	-19.31	198	245	H
6	9658.415	54.22	PK-U	36.8	0	-42.67	48.35	68.2	-19.85	221	314	V

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

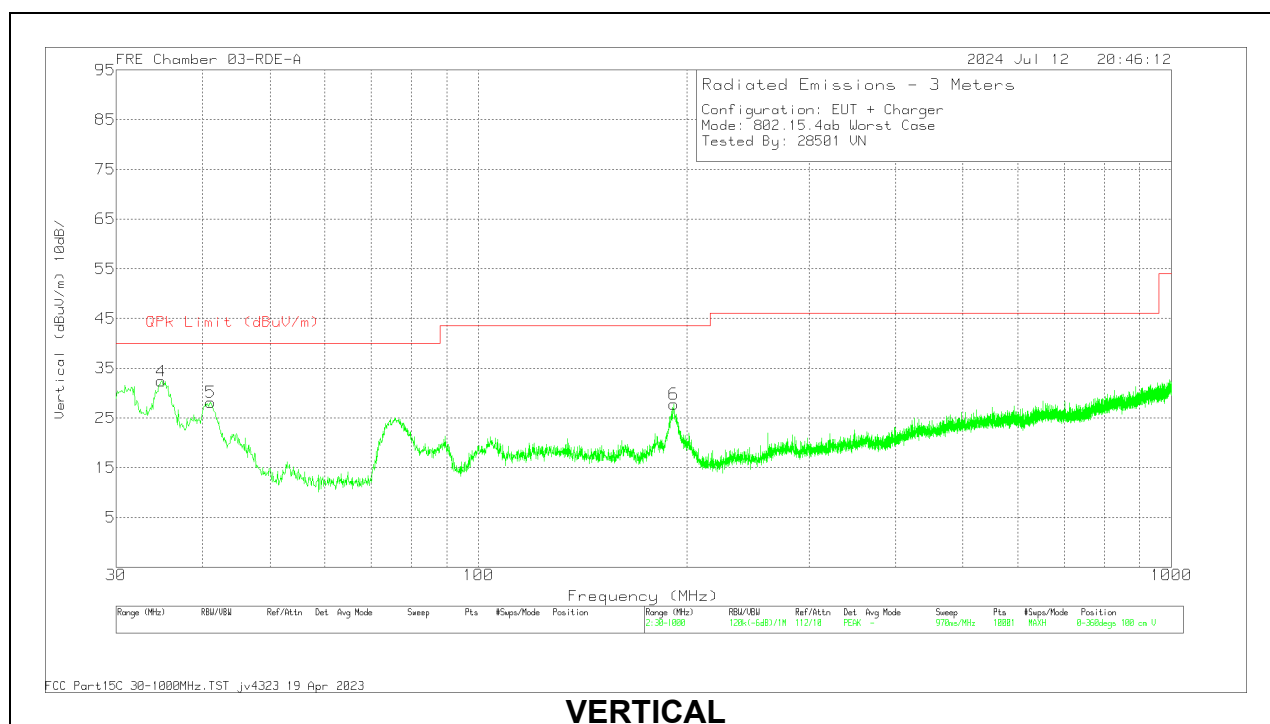
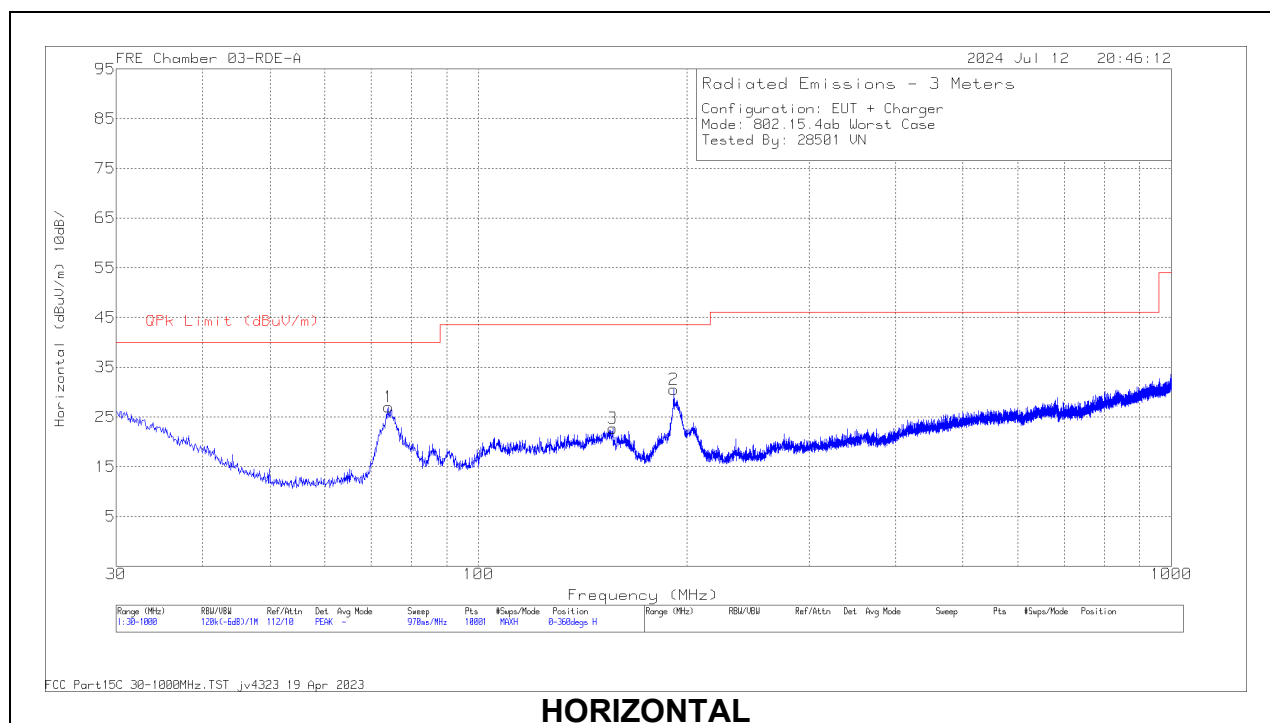
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80430 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 3349.243	55.62	PK-U	32.9	0	-45.55	42.97	-	-	74	-31.03	-	-	208	134	V
	* 3348.704	43.76	ADR	32.9	1.17	-45.6	32.23	54	-21.77	-	-	-	-	208	134	V
3	* 8459.372	54.59	PK-U	35.9	0	-43	47.49	-	-	74	-26.51	-	-	120	373	H
	* 8462.422	42.69	ADR	35.9	1.17	-42.97	36.79	54	-17.21	-	-	-	-	120	373	H
6	* 8421.531	54.82	PK-U	35.9	0	-43.26	47.46	-	-	74	-26.54	-	-	72	135	V
	* 8423.957	42.7	ADR	35.9	1.17	-43.1	36.67	54	-17.33	-	-	-	-	72	135	V
4	1911.141	58.97	PK-U	31.3	0	-48.43	41.84	-	-	-	-	68.2	-26.36	197	236	V
1	1916.541	58.65	PK-U	31.3	0	-48.41	41.54	-	-	-	-	68.2	-26.66	242	394	H
2	3362.315	55.94	PK-U	32.9	0	-45.59	43.25	-	-	-	-	68.2	-24.95	360	128	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

10.2. WORST CASE BELOW 1 GHz



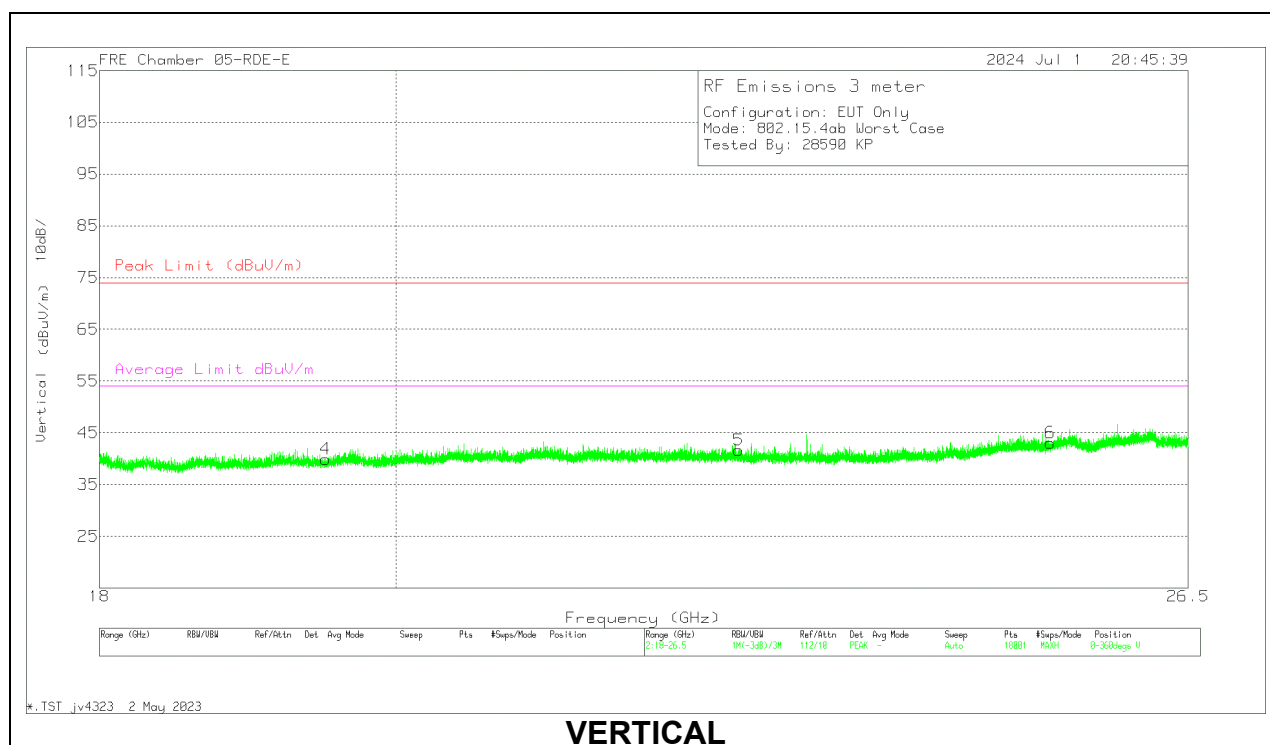
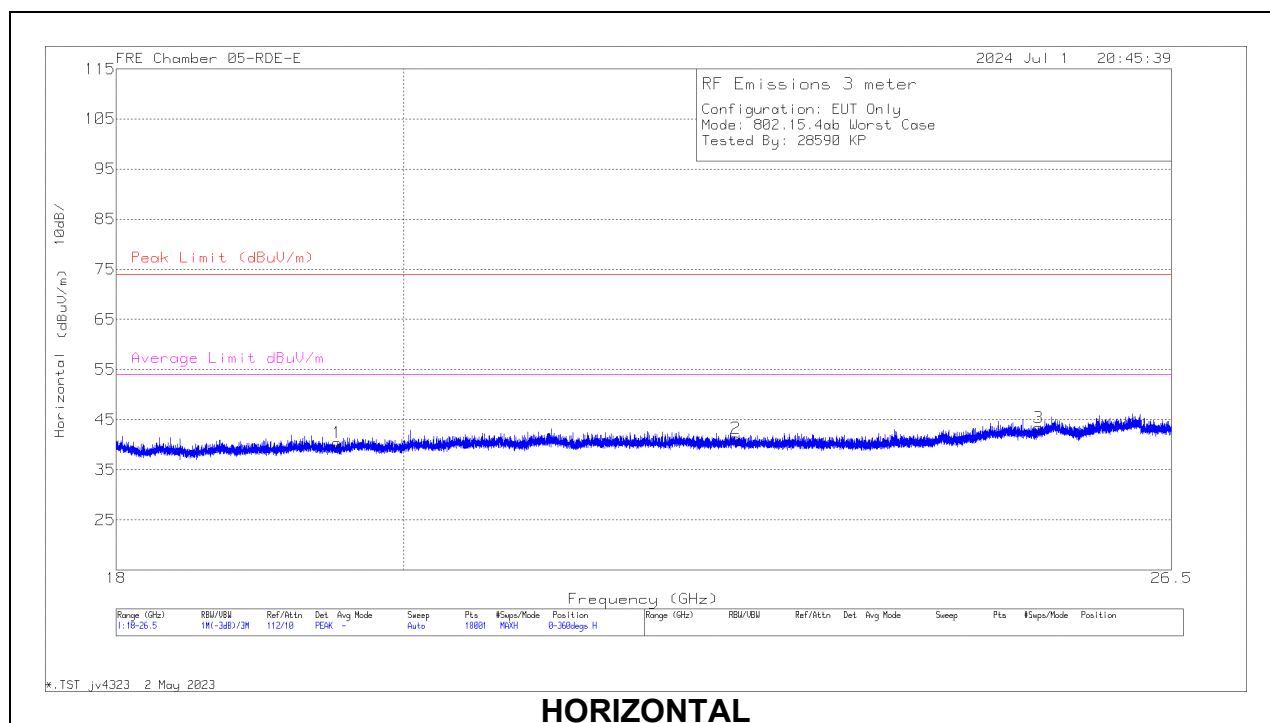
Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	235173 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 74.4821	40.08	Qp	13.9	-30.5	23.48	40	-16.52	156	252	H
4	35.44	36.85	Qp	23.2	-31	29.05	40	-10.95	3	108	V
5	41.3327	36.18	Qp	18.8	-31	23.98	40	-16.02	292	100	V
3	160.255	29.07	Qp	18	-29.8	17.27	43.52	-26.25	195	198	H
2	190.82	38.2	Qp	17.2	-29.7	25.7	43.52	-17.82	118	197	H
6	191.667	35.21	Qp	17.3	-29.7	22.81	43.52	-20.71	245	108	V

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

Qp - Quasi-Peak detector

10.3. WORST CASE 18-26 GHz

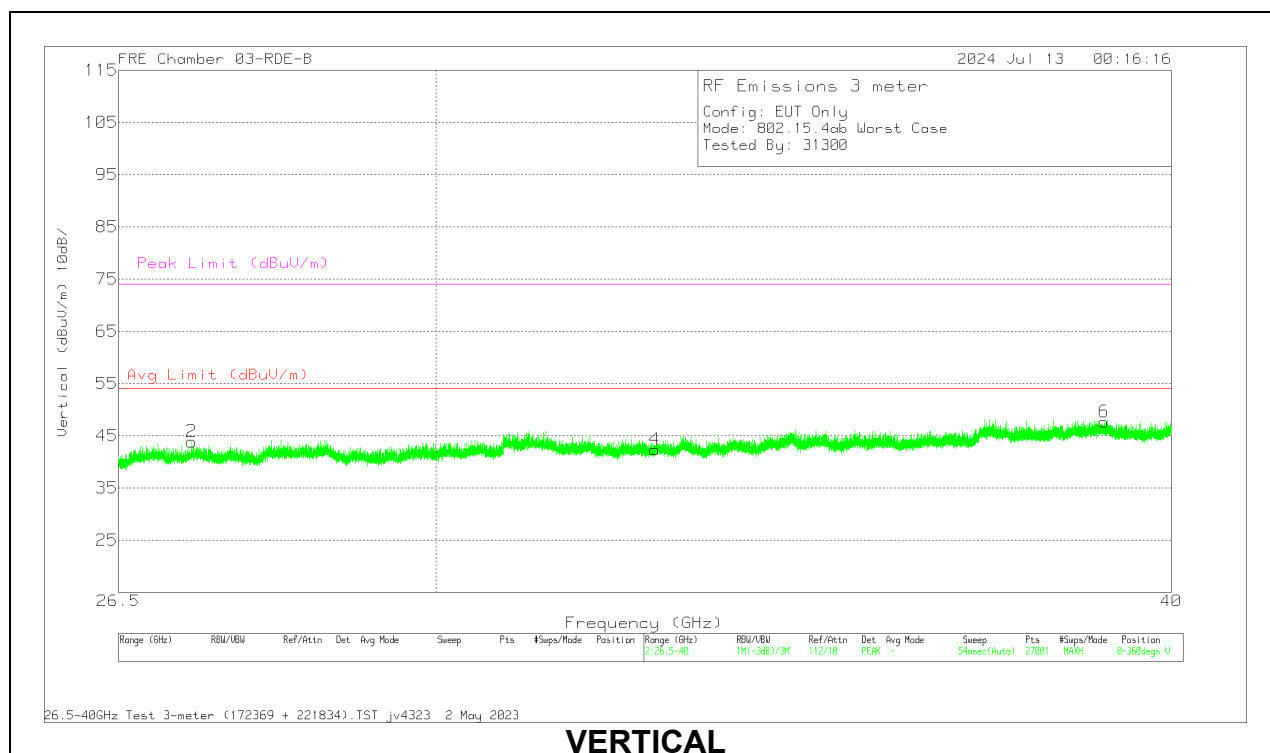
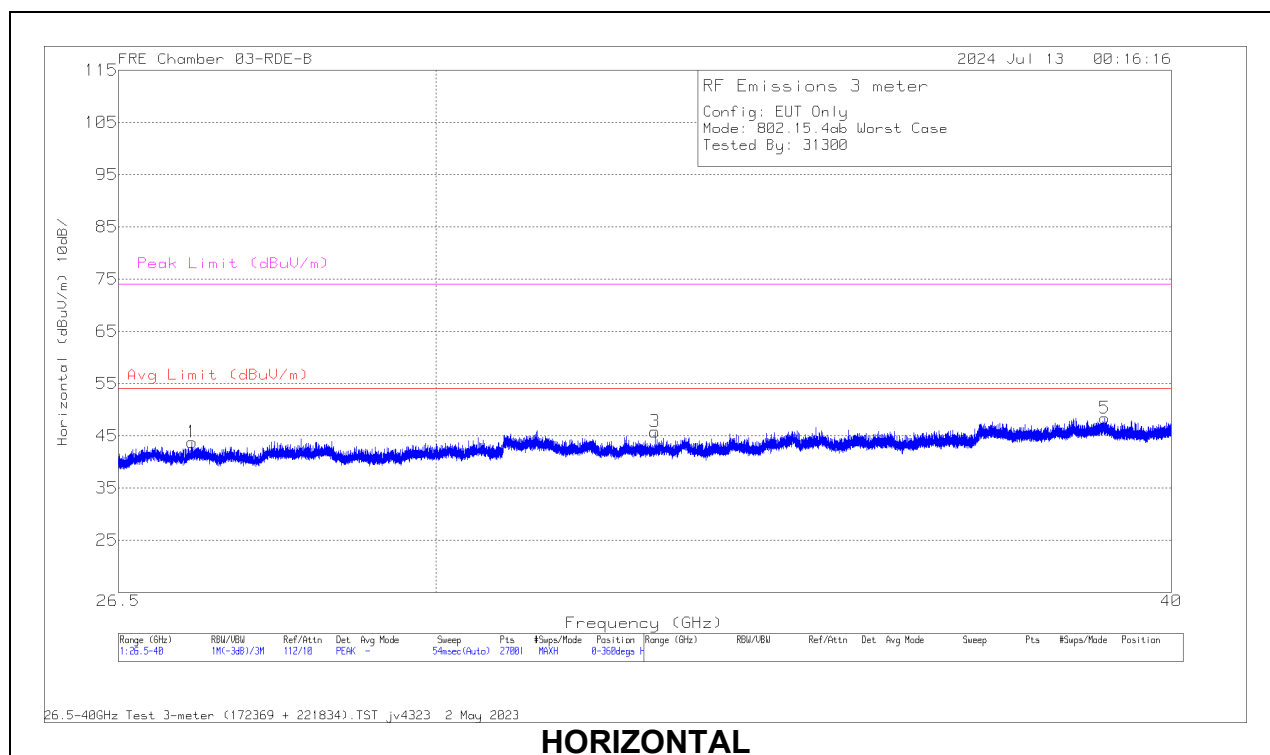


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81139 ACF (dB/m)	Amp/Cbl (dB)	CBL (dB)	Corrected Reading (dBuv/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	19.507333	45.92	Pk	33.1	-62	22.9	39.92	74	-34.08	0-360	101	V
1	19.517722	46.26	Pk	33.1	-61.9	22.9	40.36	74	-33.64	0-360	199	H
2	22.590942	44.89	Pk	33.6	-61.9	24.7	41.29	74	-32.71	0-360	101	H
5	22.591415	45.2	Pk	33.6	-61.9	24.7	41.6	74	-32.4	0-360	101	V
6	25.233969	44.58	Pk	34.3	-61.8	26	43.08	74	-30.92	0-360	200	V
3	25.239635	44.76	Pk	34.3	-61.7	26	43.36	74	-30.64	0-360	101	H

Pk - Peak detector

10.4. WORST CASE 26-40 GHz



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172369 ACF (dB/m)	221834 Amp/Cbl (dB)	CBL	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 38.9705	54.15	Pk	38.2	-64.6	20.6	48.35	74	-25.65	0-360	101	H
6	* 38.964	53.46	Pk	38.2	-64.6	20.6	47.66	74	-26.34	0-360	200	V
2	27.2675	54.47	Pk	35.7	-62.9	16.6	43.87	74	-30.13	0-360	101	V
1	27.273	54.36	Pk	35.7	-62.9	16.6	43.76	74	-30.24	0-360	200	H
3	32.686	52.17	Pk	36.8	-61.6	18.4	45.77	74	-28.23	0-360	101	H
4	32.686	48.74	Pk	36.8	-61.6	18.4	42.34	74	-31.66	0-360	200	V

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

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

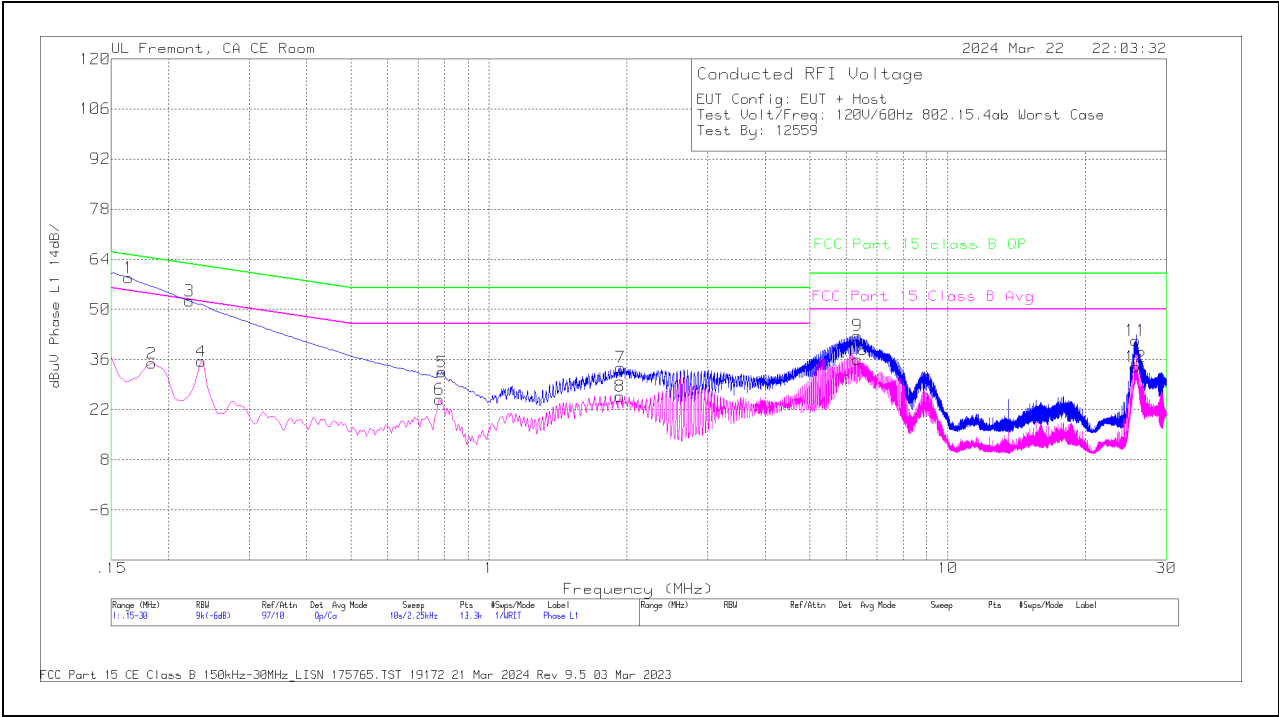
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line WITH LAPTOP

LINE 1 RESULTS

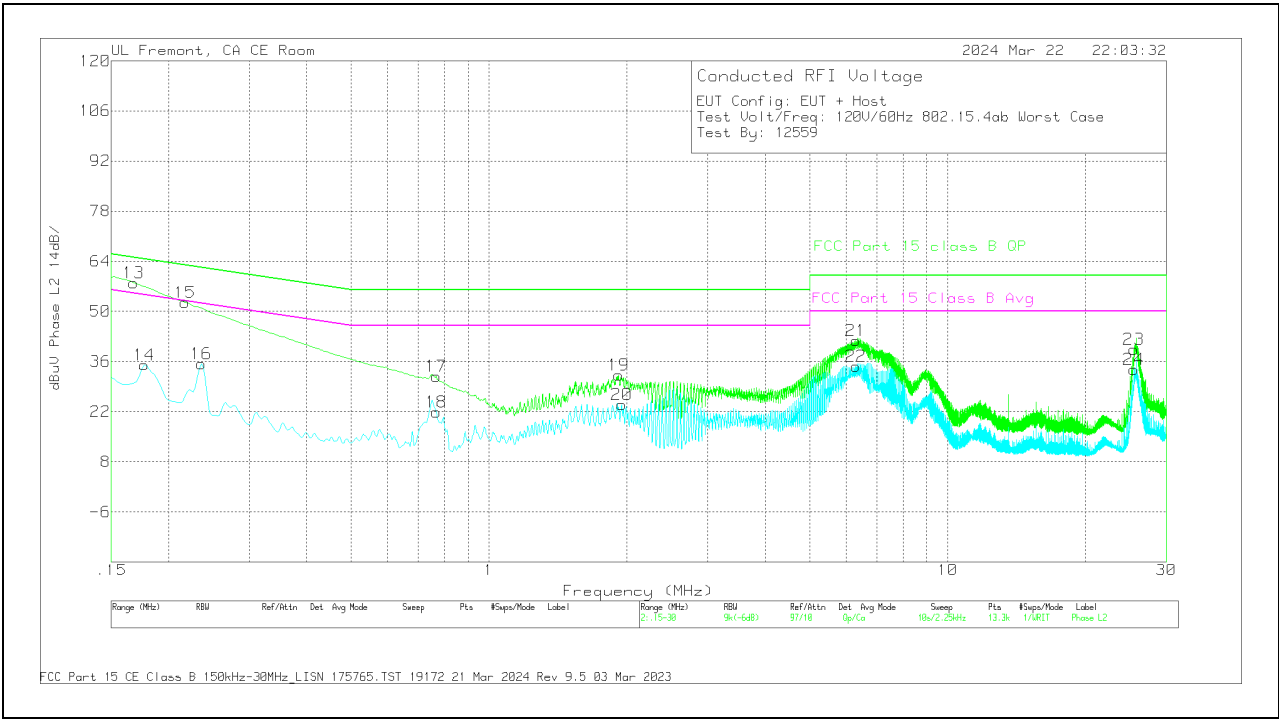


Trace Markers

Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg	Margin (dB)	FCC Part 15 class B QP	Margin (dB)
2	.1838	15.34	Ca	.1	.1	9.4	10	34.94	54.31	-19.37	-	-
4	.2355	16.07	Ca	0	0	9.4	10	35.47	52.25	-16.78	-	-
6	.78	5.52	Ca	.1	0	9.3	10	24.92	46	-21.08	-	-
8	1.9298	6.39	Ca	.1	0	9.3	10	25.79	46	-20.21	-	-
10	6.351	16.31	Ca	.2	0	9.5	10	36.01	50	-13.99	-	-
12	25.7123	13.93	Ca	.3	.2	9.5	10	33.93	50	-16.07	-	-
1	.1635	39.24	Qp	0	.1	9.5	10	58.84	-	-	65.28	-6.44
3	.222	32.84	Qp	.1	0	9.4	10	52.34	-	-	62.74	-10.4
5	.789	13.08	Qp	.1	0	9.3	10	32.48	-	-	56	-23.52
7	1.9365	14.36	Qp	.1	0	9.3	10	33.76	-	-	56	-22.24
9	6.3533	23	Qp	.2	0	9.5	10	42.7	-	-	60	-17.3
11	25.7145	21.39	Qp	.3	.2	9.5	10	41.39	-	-	60	-18.61

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



Trace Markers

Range 2: Phase L2 15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg	Margin (dB)	FCC Part 15 class B QP	Margin (dB)
14	.177	15.59	Ca	.1	0	9.4	10	35.09	54.63	-19.54	-	-
16	.2355	15.9	Ca	0	0	9.4	10	35.3	52.25	-16.95	-	-
18	.7665	2.47	Ca	0	0	9.4	10	21.87	46	-24.13	-	-
20	1.9478	4.63	Ca	.1	0	9.3	10	24.03	46	-21.97	-	-
22	6.3083	15.16	Ca	.2	0	9.3	10	34.66	50	-15.34	-	-
24	25.4805	13.74	Ca	.3	.2	9.5	10	33.74	50	-16.26	-	-
13	.168	38.41	Qp	0	.1	9.5	10	58.01	-	-	65.06	-7.05
15	.2175	32.97	Qp	.1	0	9.4	10	52.47	-	-	62.91	-10.44
17	.7665	12.46	Qp	0	0	9.4	10	31.86	-	-	56	-24.14
19	1.9163	12.81	Qp	.1	0	9.3	10	32.21	-	-	56	-23.79
21	6.3083	22.37	Qp	.2	0	9.3	10	41.87	-	-	60	-18.13
23	25.4805	19.44	Qp	.3	.2	9.5	10	39.44	-	-	60	-20.56

Qp - Quasi-Peak detector
Ca - CISPR average detection

11.2. AC Power Line WITH AC/DC Adapter

LINE 1 RESULTS

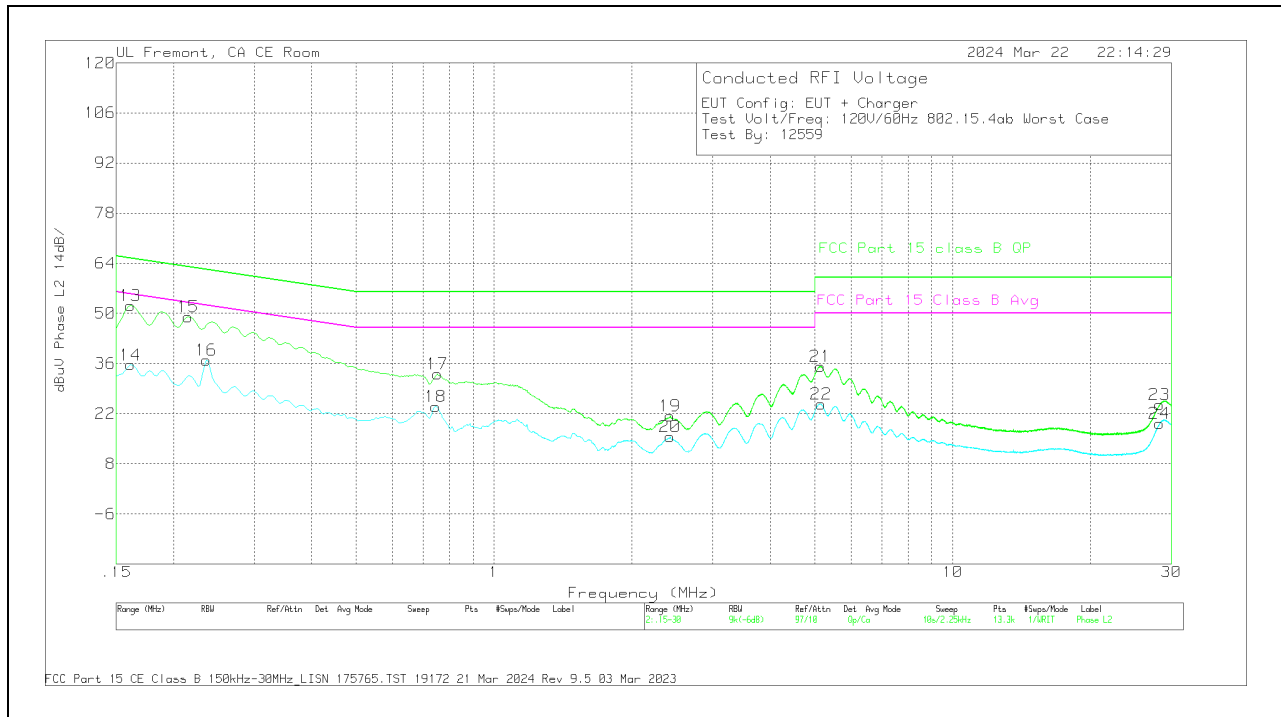


Trace Markers

Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading (dBuV)	FCC Part 15 Class B Avg	Margin (dB)	FCC Part 15 class B QP	Margin (dB)
2	.1703	14.83	Ca	0	.1	9.5	10	34.43	54.95	-20.52	-	-
4	.2355	16.26	Ca	0	0	9.4	10	35.66	52.25	-16.59	-	-
6	.7395	4.53	Ca	.1	0	9.4	10	24.03	46	-21.97	-	-
8	2.4214	-5.91	Ca	.1	0	9.3	10	13.49	46	-32.51	-	-
10	5.172	1.68	Ca	.1	0	9.4	10	21.18	50	-28.82	-	-
12	28.8128	-.7	Ca	.4	.3	9.5	10	19.5	50	-30.5	-	-
1	.1703	33.2	Qp	0	.1	9.5	10	52.8	-	-	64.95	-12.15
3	.2265	30.34	Qp	0	0	9.4	10	49.74	-	-	62.58	-12.84
5	.7373	15.62	Qp	.1	0	9.4	10	35.12	-	-	56	-20.88
7	2.4225	.01	Qp	.1	0	9.3	10	19.41	-	-	56	-36.59
9	5.172	12.12	Qp	.1	0	9.4	10	31.62	-	-	60	-28.38
11	28.815	4.76	Qp	.4	.3	9.5	10	24.96	-	-	60	-35.04

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



Trace Markers

Range 2: Phase L2 15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBUV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading dBUV	FCC Part 15 Class B Avg	Margin (dB)	FCC Part 15 class B QP	Margin (dB)
14	.1613	16.03	Ca	0	.1	9.5	10	35.63	55.4	-19.77	-	-
16	.2355	17.54	Ca	0	0	9.4	10	36.94	52.25	-15.31	-	-
18	.7463	4.63	Ca	0	0	9.4	10	24.03	46	-21.97	-	-
20	2.4225	-3.84	Ca	.1	0	9.3	10	15.56	46	-30.44	-	-
22	5.1653	5.11	Ca	.2	0	9.4	10	24.71	50	-25.29	-	-
24	28.275	-.72	Ca	.3	.2	9.4	10	19.18	50	-30.82	-	-
13	.1613	32.53	Qp	0	.1	9.5	10	52.13	-	-	65.4	-13.27
15	.2153	29.52	Qp	.1	0	9.4	10	49.02	-	-	63	-13.98
17	.753	13.62	Qp	0	0	9.4	10	33.02	-	-	56	-22.98
19	2.4225	1.94	Qp	.1	0	9.3	10	21.34	-	-	56	-34.66
21	5.1473	15.63	Qp	.2	0	9.4	10	35.23	-	-	60	-24.77
23	28.257	4.56	Qp	.3	.2	9.4	10	24.46	-	-	60	-35.54

Qp - Quasi-Peak detector

Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to 14982484-EP1V1 FCC IC for setup photos

END OF TEST REPORT