

TEST REPORT

Report Number: 14749497-E2V2

Applicant : eero LLC
660 3rd Street 4th Floor
San Francisco, CA 94107, U.S.A.

Model : V010001

Brand : eero

FCC ID : 2AEM4-711917312

IC : 20631-711917312

EUT Description : Wireless Access Point

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

Date Of Issue:
2023-09-06

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2023-08-16	Initial Issue	---
V2	2023-09-06	Updated Section 6.6 info, updated RSS 247 to issue 3.	Tina Chu

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: eero LLC
660 3rd Street 4th Floor
San Francisco, CA 94107, U.S.A.

EUT DESCRIPTION: Wireless Access Point

MODEL: V010001

BRAND: eero

SERIAL NUMBER: Radiated: GGB2-1E06-3237-0089, GGB2-1E04-3062-004P,
GGB2-1E08-3287-0037
Conducted: GGB2-1E04-3057-00DA, GGB2-1E06-3237-OOBQ

SAMPLE RECEIPT DATE: 2023-04-05

DATE TESTED: 2023-04-10 TO 2023-08-10

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart C	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.

Approved & Released For
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2. TEST RESULTS SUMMARY

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for the validity of results after the integration of the data provided by the customer.

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

- 1) Antenna gain and type (see section 6.3)
- 2) Cable Loss (see section 6.3)

FCC Clause	ISED Clause	Requirement	Result	Comment
See Comment		Duty Cycle	Reporting purposes only	ANSI C63.10 Section 11.6.
-	RSS-GEN 6.7	99% OBW	Reporting purposes only	ANSI C63.10 Section 6.9.3.
15.247 (a) (2)	RSS-247 5.2 (a)	6dB BW	Complies	None.
15.247 (b) (3)	RSS-247 5.4 (d)	Output Power	Complies	None.
See Comment		Average power	Reporting purposes only	Per ANSI C63.10, Section 11.9.2.3.2.
15.247 (e)	RSS-247 5.2 (b)	PSD	Complies	None.
15.247 (d)	RSS-247 5.5	Conducted Spurious Emissions	Complies	None.
15.209, 15.205	RSS-GEN 8.9, 8.10	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 CFR 47 Part 2, FCC CFR 47 Part 15, ANSI C63.10-2013, KDB 558074 D01 15.247 Meas Guidance v05r02, KDB 414788 D01 Radiated Test Site v01r01, RSS-GEN Issue 5 + A1 + A2, and RSS-247 Issue 3.

4. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, Certificate Number 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
<input checked="" type="checkbox"/>	Building 1: 47173 Benicia Street Fremont, CA 94538, U.S.A	US0104	2324A	550739
<input type="checkbox"/>	Building 2: 47266 Benicia Street Fremont, CA 94538, U.S.A			
<input checked="" type="checkbox"/>	Building 4: 47658 Kato Rd Fremont, CA 94538, U.S.A			

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}
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.22%
Power Spectral Density	2.47 dB
RF Power Measurement Direct Method Using Power Meter	1.3 dB (PK) / 0.45 dB (AV)
Unwanted Emissions, Conducted	1.94 dB
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
Time Domain Measurements	3.39%
Temperature	0.57°C
Humidity	3.39%
DC Supply Voltages	0.57%

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

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

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

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

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:

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

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

6. EQUIPMENT UNDER TEST

6.1. EUT DESCRIPTION

The EUT is a low power indoor Access Point that supports 802.11 a/b/g/n/ac/ax/be 2.4G DTS/ 5G UNII band 1 and band 3 Wifi, BLE 1Mbps/2Mbps and 802.15.4 technologies.

This report covers the 802.15.4 technology only.

6.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum peak conducted output power as follows:

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
2405 - 2480	802.15.4	17.73	59.29

6.3. DESCRIPTION OF AVAILABLE ANTENNAS AND CABLE LOSS

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

The radio utilizes a Flex PCB antenna, with a maximum gain of 5 dBi.

Cable loss: 1dB

6.4. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was 2023-03-30T01.

The test utility software used during testing was QRCT4 version 4.0.81.1.

6.5. WORST-CASE CONFIGURATION AND MODE

Radiated emissions below 1GHz, above 18GHz, and power line conducted emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

Band edge and radiated emissions between 1GHz and 18GHz were performed with the EUT set to transmit at the highest power on low, middle, and high channels.

The EUT can only be setup in desktop orientation; therefore, all radiated testing was performed with the EUT in desktop orientation.

Worst-case data rate as provided by the client was O-QPSK, 250kbps.

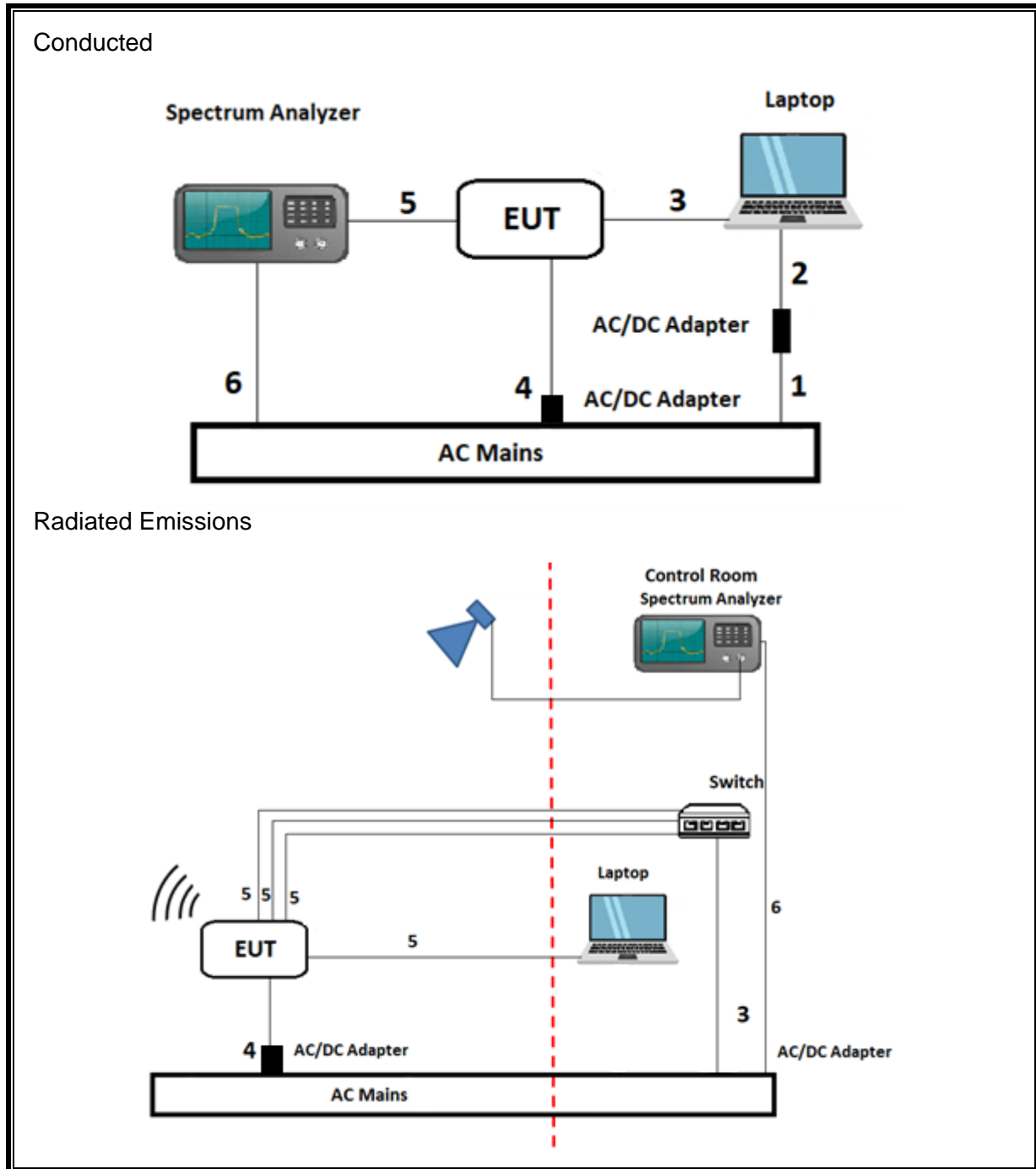
6.6. DESCRIPTION OF TEST SETUP

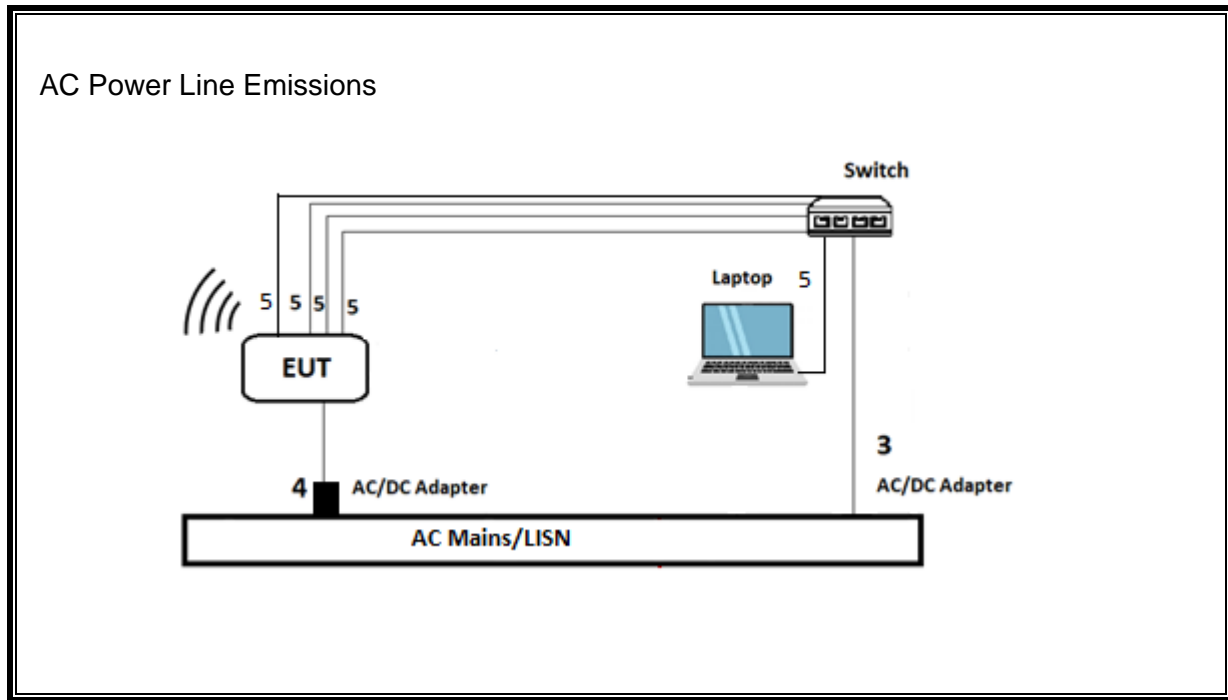
SUPPORT TEST EQUIPMENT						
Description	Manufacturer	Model	Serial Number	FCC ID/ DoC		
EUT AC/DC Adapter (Luxshare)	eero	C310011	NA	DoC		
EUT AC/DC Adapter (Foxlink)	eero	C310011	NA	DoC		
Laptop	Lenovo	ThinkPad P15s Gen 2	PF-2YV2K6	DoC		
Laptop AC/DC Adapter	Lenovo	ADLX65Y	8SSA10R16875C1SG09PRSHT	DoC		
Laptop	Lenovo	ThinkPadT460	PC0JLLUT	DoC		
Laptop AC/DC Adapter	Lenovo	A-17-065N2A	8SSA10J20161C1SG8720X55 Rev:000	DoC		
Switch	Netgear	XS505M	6H11197M00054	DoC		
I/O CABLES (CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	AC	1	2-Prong	Un-shielded	1	AC Mains to LT AC/DC Adapter
2	DC	1	Barrel	Un-shielded	1.5	AC/DC Adapter to Laptop
3	Ethernet	1	RJ45	Un-shielded	1	Laptop to EUT
4	DC	1	Barrel	Un-shielded	1.5	AC/DC Adapter to EUT
5	SMA	1	SMA	Un-shielded	0.1	EUT to Spectrum Analyzer
6	AC	1	3-Prong	Un-shielded	1.5	AC Mains to Spectrum Analyzer
I/O CABLES (RADIATED TEST EMISSIONS)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
3	AC	1	2-Prong	Un-shielded	2	AC Mains to Switch
4	DC	1	Barrel	Un-shielded	1.5	AC/DC Adapter to EUT
5	I/O	4	RJ45	Un-shielded	>3 meter	EUT to Switch /Laptop. One cable connected to switch is <3 meter for 30MHz to 1GHz test.
6	AC	1	3-Prong	Un-shielded	1.5	AC Mains to Spectrum Analyzer
I/O CABLES (AC POWER LINE EMISSIONS)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
3	AC	1	2-Prong	Un-shielded	2	AC Mains to Switch
4	DC	1	Barrel	Un-shielded	1.5	AC/DC Adapter to EUT
5	I/O	5	RJ45	Un-shielded	>3 meter	EUT to Switch, Laptop to Switch

TEST SETUP

The EUT is powered by AC/DC adapter and connected to support equipment, and the radio is exercised remotely by command prompt GUI test utility software via ethernet.

SETUP DIAGRAMS





7. MEASUREMENT METHOD

On Time and Duty Cycle: ANSI C63.10 Section 11.6.

6 dB BW: ANSI C63.10 Subclause -11.8.1 RBW \geq DTS BW

Occupied BW (99%): ANSI C63.10-2013 Section 6.9.3

Output Power: ANSI C63.10 Subclause -11.9.1.3 Method PKPM1 Peak-reading power meter

Output Power: ANSI C63.10 Subclause -11.9.2.3.2 Method AVGPM-G (Measurement using a gated RF average-reading power meter)

PSD: ANSI C63.10 Subclause -11.10.2 Method PKPSD (peak PSD)

Radiated emissions non-restricted frequency bands: ANSI C63.10 Subclause -11.11

Radiated emissions restricted frequency bands: ANSI C63.10 Subclause -11.12.1

Conducted emissions in restricted frequency bands: ANSI C63.10 Subclause -11.12.2

Band-edge: ANSI C63.10 Subclause -11.13.3.2 Integration method -Peak detection

Band-edge: ANSI C63.10 Subclause -11.13.3.4 Integration method -Trace averaging across ON and OFF times DC correction

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	Last Cal
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO METRICS	EM-6871	219908	2024-05-31	2023-05-31
Antenna, Passive Loop 100KHz - 30MHz	ELECTRO METRICS	EM-6872	219910	2024-05-31	2023-05-31
Antenna, Broadband Hybrid, 30MHz to 2000MHz	Sunol Sciences Corp.	JB1	80293	2024-04-30	2023-04-11
Amplifier, 9KHz to 1GHz, 32dB	SONOMA INSTRUMENT	310	170647	2023-11-11	2022-11-11
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	222741	2023-08-31	2022-08-31
RF Filter Box, 1-18GHz	UL-FR1	n/a	171875	2023-11-10	2022-11-10
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	230547	2024-02-29	2023-02-15
Antenna, Horn 18 to 26.5GHz	A.R.A.	MWH-1826/B	199659	2023-12-06	2022-12-06
Amplifier 18-26.5GHz, +5Vdc, -54dBm P1dB	AMPLICAL	AMP18G26.5-60	234683	2024-03-29	2023-03-18
Antenna, Horn 26.5 to 40GHz	ARA	MWH-2640/B	199661	2023-12-06	2022-12-06
Amplifier 26-40GHz +5Vdc, -62dBm P1dB	AMPLICAL	AMP26G40-60	234684	2024-03-29	2023-03-18
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	225688 (chamber k)	2024-02-29	2023-02-14
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	125178	2024-02-29	2023-02-06
10dB Fixed Attenuator, up to 26GHz	Pasternack Enterprises	PE7087-10	236189	Verified/characterized before use	
Power Meter, P-series single channel	Keysight Technologies Inc	N1921A	81319	2024-01-25	2023-01-25
Power Sensor, P-series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1911A	90718	2024-01-31	2023-01-31
AC Line Conducted					
LISN	Fischer Custom Communications, Inc	FCC-LISN-50/250-25-2-01-480V	175765	2024-01-31	2023-01-27
EMI TEST RECEIVER	Rohde & Schwarz	ESR	93091	2024-02-29	2023-02-20
Transient Limiter	TE	TBFL1	207996	2023-07-31	2022-07-15
UL TEST SOFTWARE LIST					
Radiated Software	UL	UL EMC	Ver 2023-01-18, 2023-03-03, 2023-05-01		
Antenna Port Software	UL	UL RF	Ver 2022-08-16		
AC Line Conducted Software	UL	UL EMC	Rev 9.5, 2022-02-17		

9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE

LIMITS

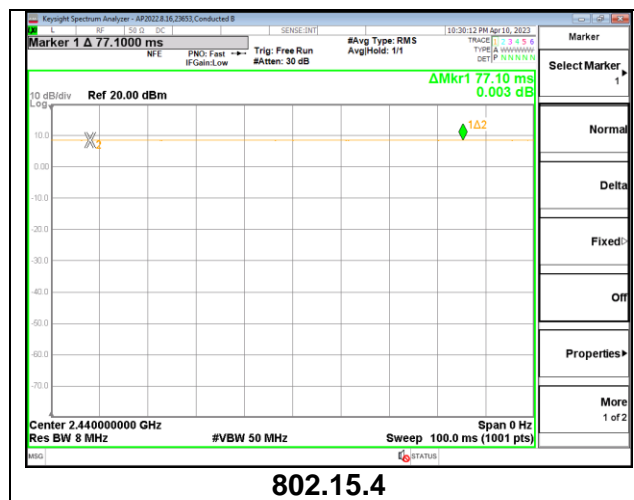
None; for reporting purposes only.

PROCEDURE

KDB 558074 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)
2.4GHz Band						
802.15.4	77.10	77.10	1.000	100.00	0.00	0.010



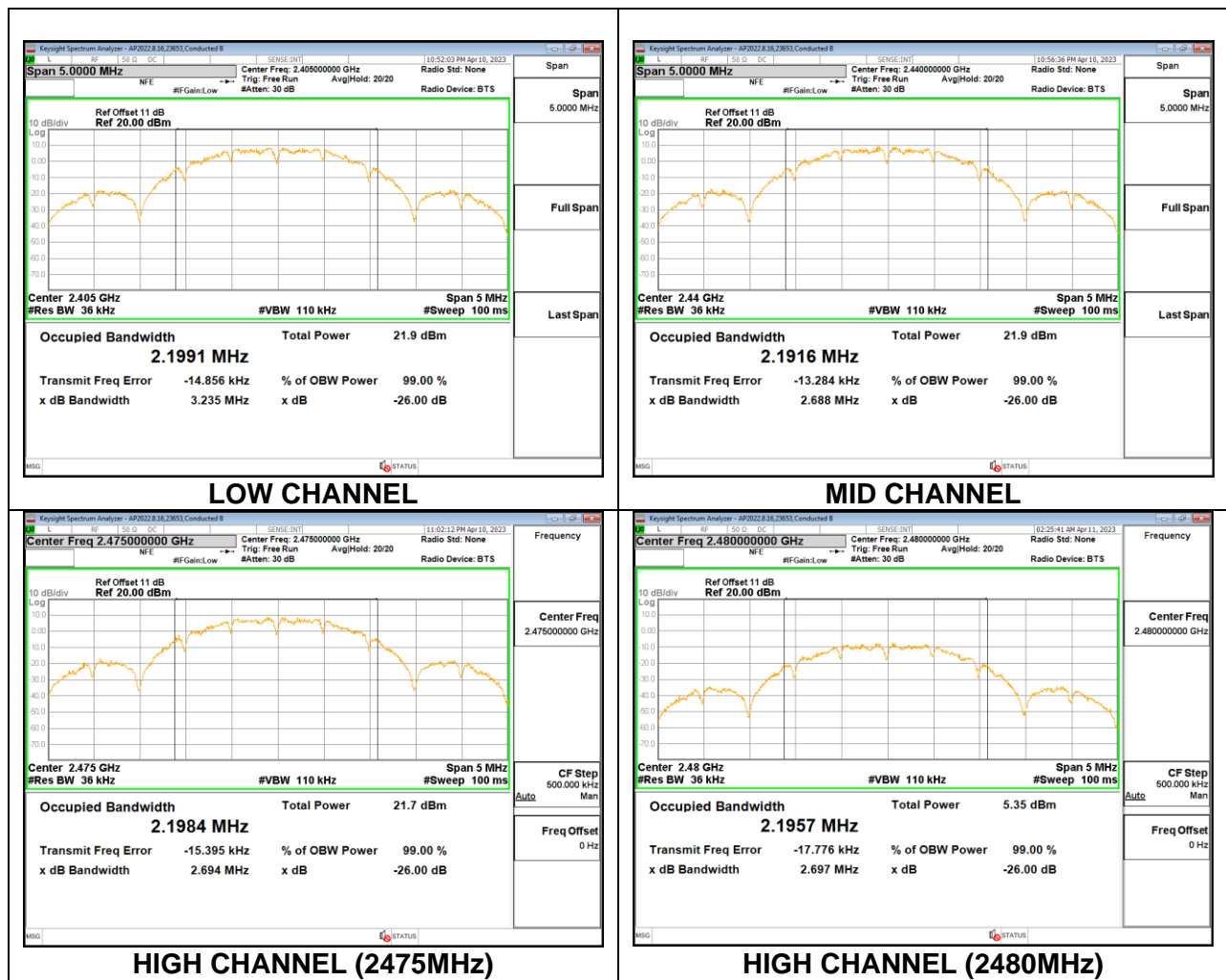
9.2. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	2405	2.1991
Middle	2440	2.1916
High	2475	2.1984
High	2480	2.1957



9.3. 6 dB BANDWIDTH

LIMITS

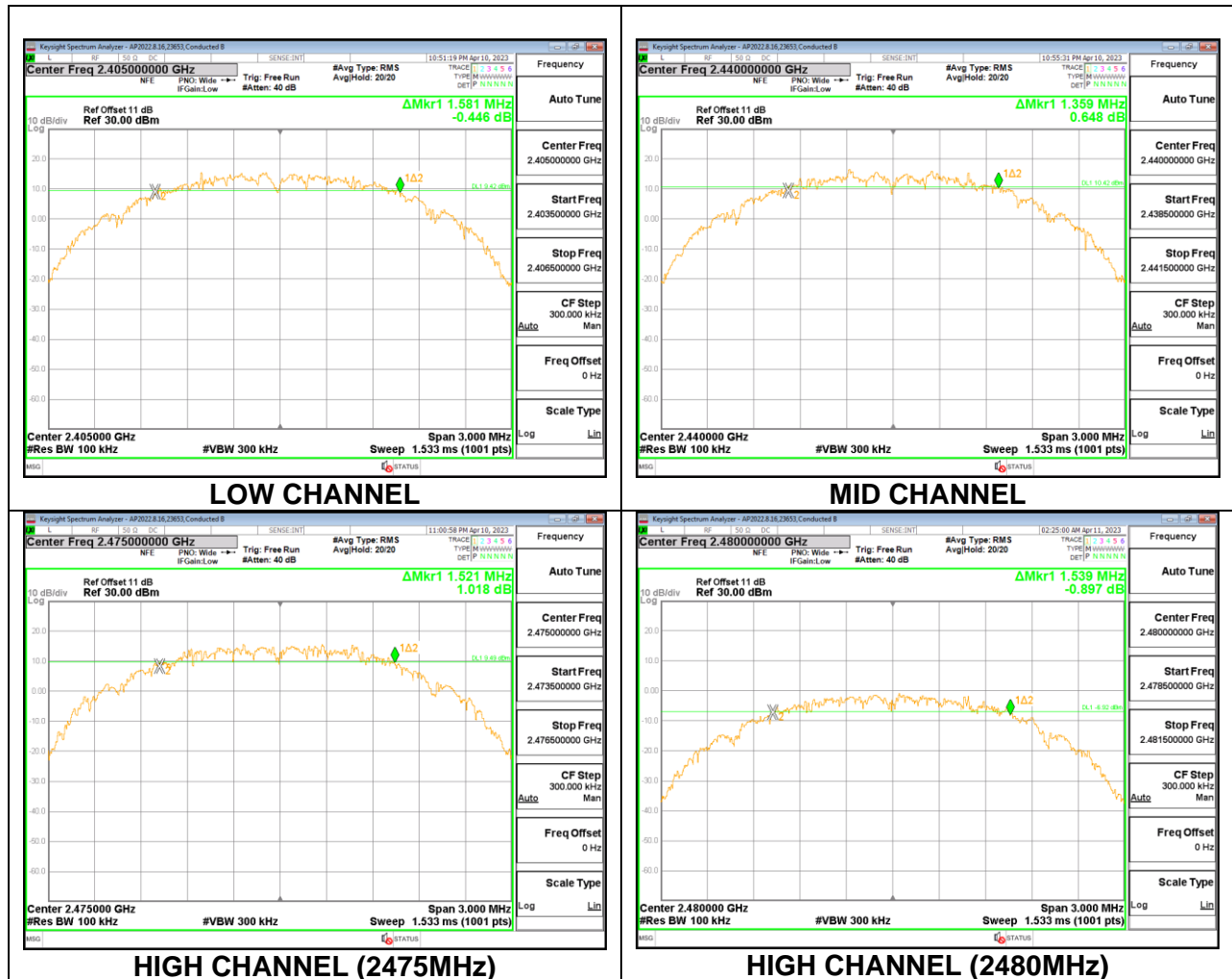
FCC §15.247 (a) (2)

RSS-247 5.2 (a)

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

RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	2405	1.581	0.5
Middle	2440	1.359	0.5
High	2475	1.521	0.5
High	2480	1.539	0.5



9.4. OUTPUT POWER

LIMITS

FCC §15.247 (b) (3)

RSS-247 5.4 (d)

The maximum antenna gain is less than or equal to 6 dBi, therefore the limit is 30 dBm.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The power output was measured on the EUT antenna port using SMA cable with 10dB attenuator connected to a power meter via wideband power sensor. Peak output power was read directly from power meter.

RESULTS

Tested By:	23653 DC
Date:	2023-08-10

Channel	Frequency (MHz)	Peak Power Reading (dBm)	Limit (dBm)	Margin (dB)
Low	2405	17.15	30	-12.85
Middle	2440	17.65	30	-12.35
High	2475	17.73	30	-12.27
High	2480	3.95	30	-26.05

9.5. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The power output was measured on the EUT antenna port using SMA cable with 10dB attenuator connected to a power meter via wideband power sensor. Gated average output power was read directly from power meter.

RESULTS

Tested By:	23653 DC
Date:	2023-08-10

Channel	Frequency (MHz)	AV power (dBm)
Low	2405	16.98
Middle	2440	17.53
High	2475	17.61
High	2480	3.82

9.6. POWER SPECTRAL DENSITY

LIMITS

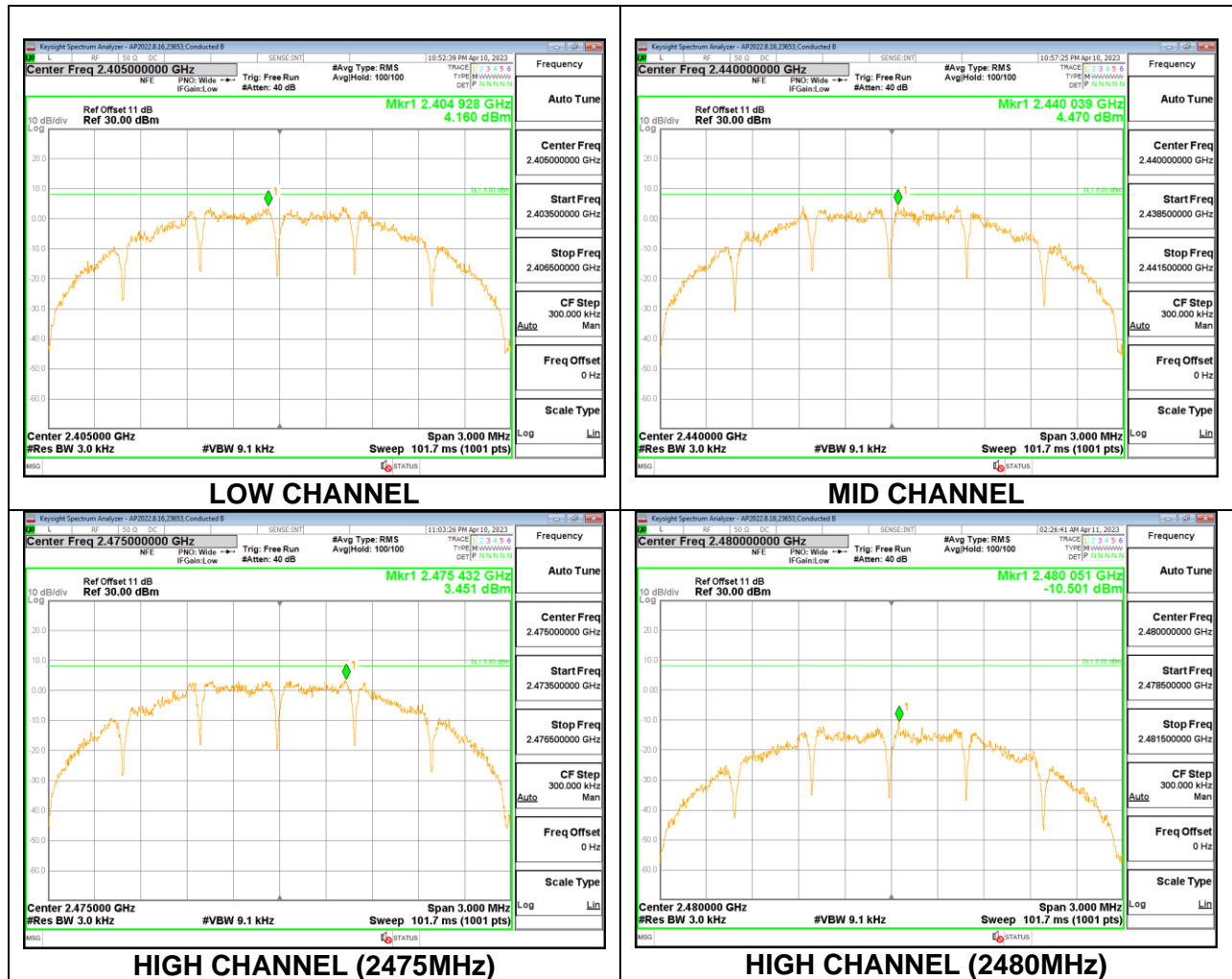
FCC §15.247 (e)

RSS-247 (5.2) (b)

The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

RESULTS

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2405	4.16	8	-3.84
Middle	2440	4.47	8	-3.53
High	2475	3.45	8	-4.55
High	2480	-10.50	8	-18.50



9.7. CONDUCTED SPURIOUS EMISSIONS

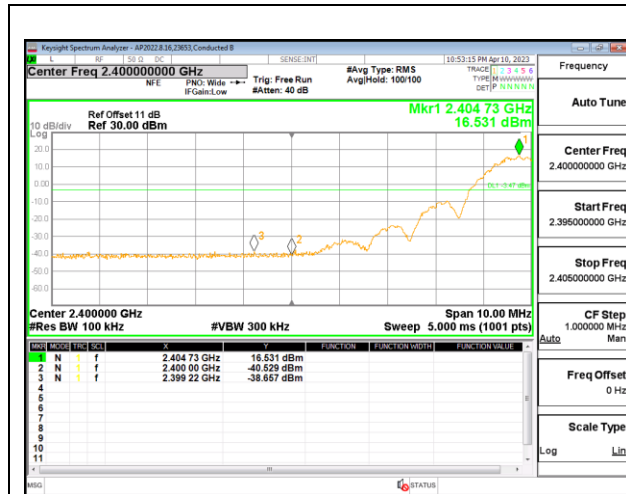
LIMITS

FCC §15.247 (d)

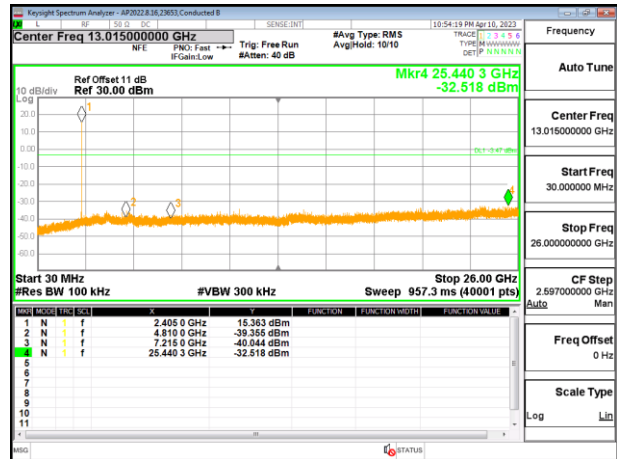
RSS-247 5.5

Output power was measured based on the use of a peak measurement, therefore the required attenuation is 20 dBc.

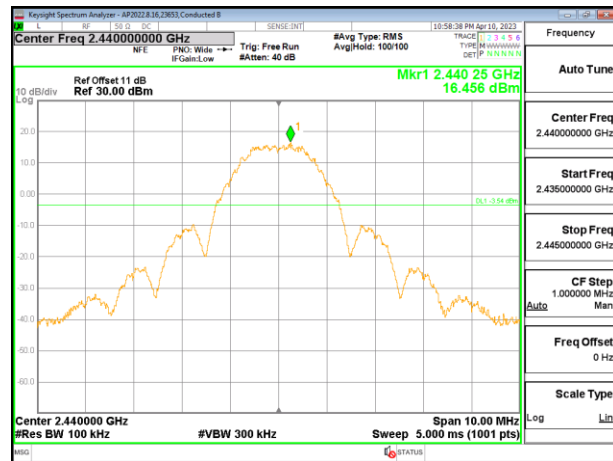
RESULTS



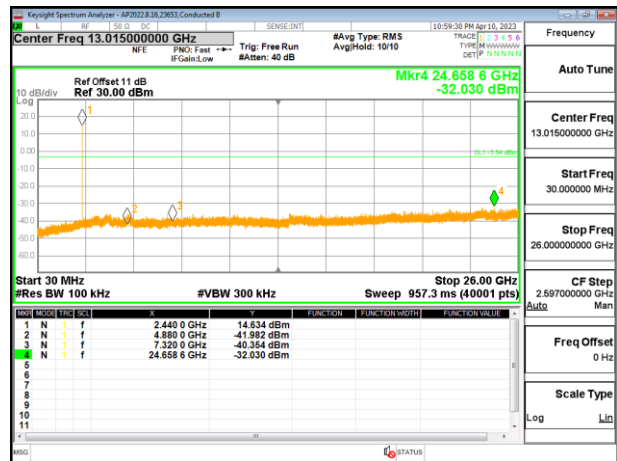
LOW CHANNEL BANDEDGE



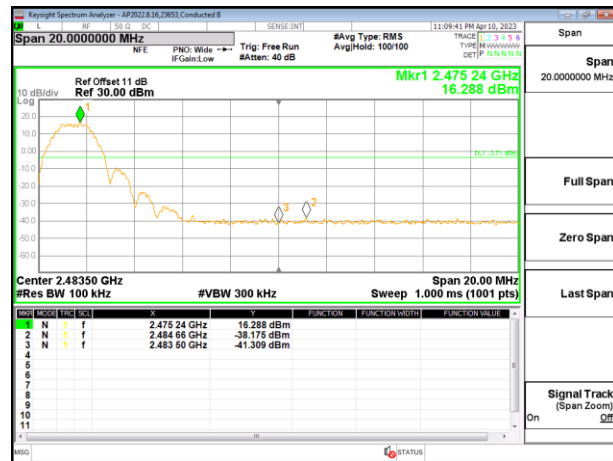
OUT-OF-BAND LOW CHANNEL



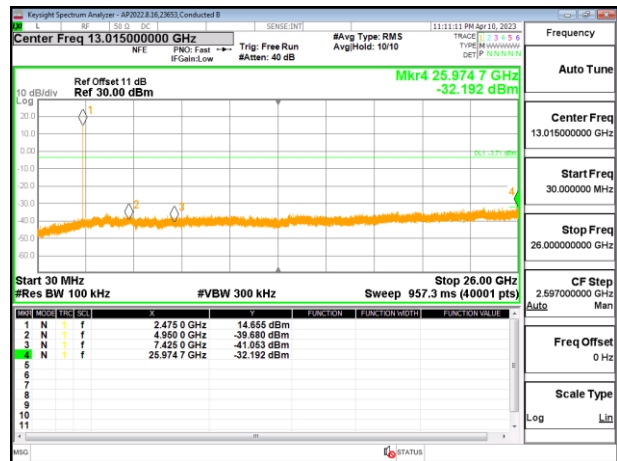
IN-BAND REFERENCE LEVEL



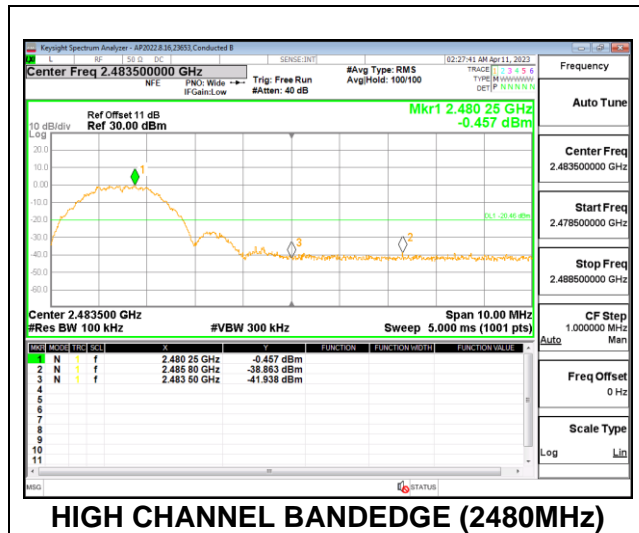
OUT-OF-BAND MID CHANNEL



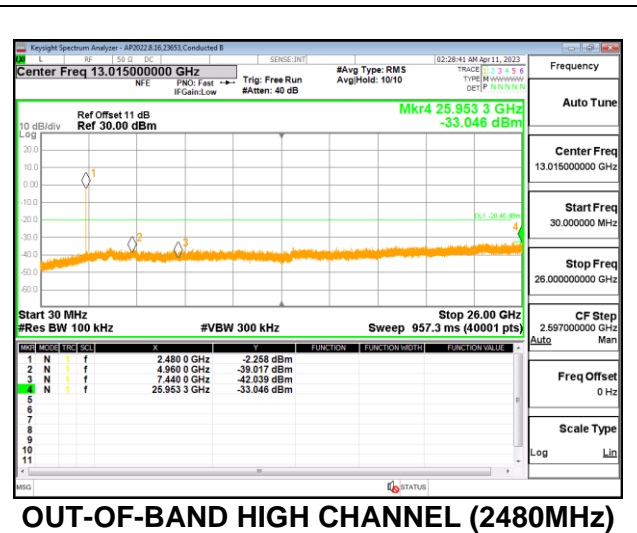
HIGH CHANNEL BANDEDGE (2475MHz)



OUT-OF-BAND HIGH CHANNEL (2475MHz)



HIGH CHANNEL BANDEDGE (2480MHz)



OUT-OF-BAND HIGH CHANNEL (2480MHz)

10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

RSS-GEN, Section 8.9 and 8.10.

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
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 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 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

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

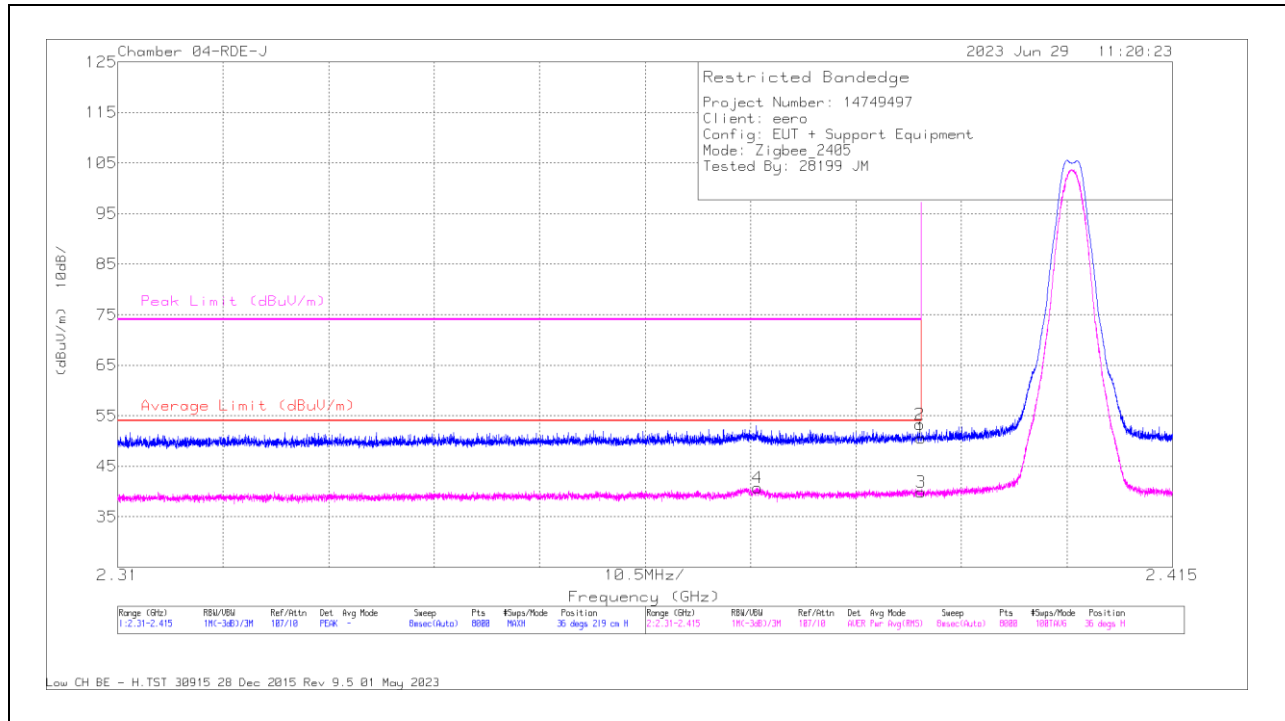
OFS and chamber correlation testing had been performed and chamber measured test result is the worst-case test result.

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 reported in the table), using the 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.

10.2. TRANSMITTER ABOVE 1 GHz

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

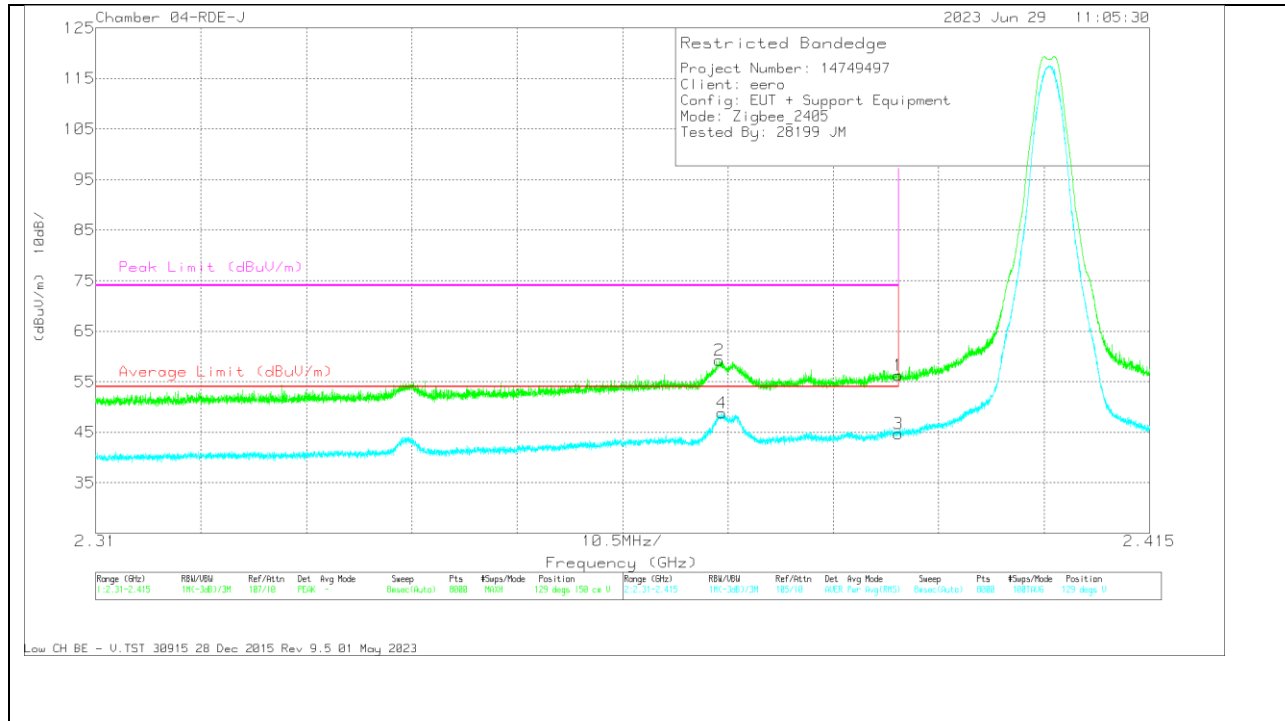


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Cb/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	36.57	Pk	32	-18	50.57	-	-	74	-23.43	36	219	H
2	* 2.389865	39.28	Pk	32	-18	53.28	-	-	74	-20.72	36	219	H
3	* 2.39	25.91	RMS	32	-18	39.91	54	-14.09	-	-	36	219	H
4	* 2.373666	26.78	RMS	32	-18.1	40.68	54	-13.32	-	-	36	219	H

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

VERTICAL RESULT



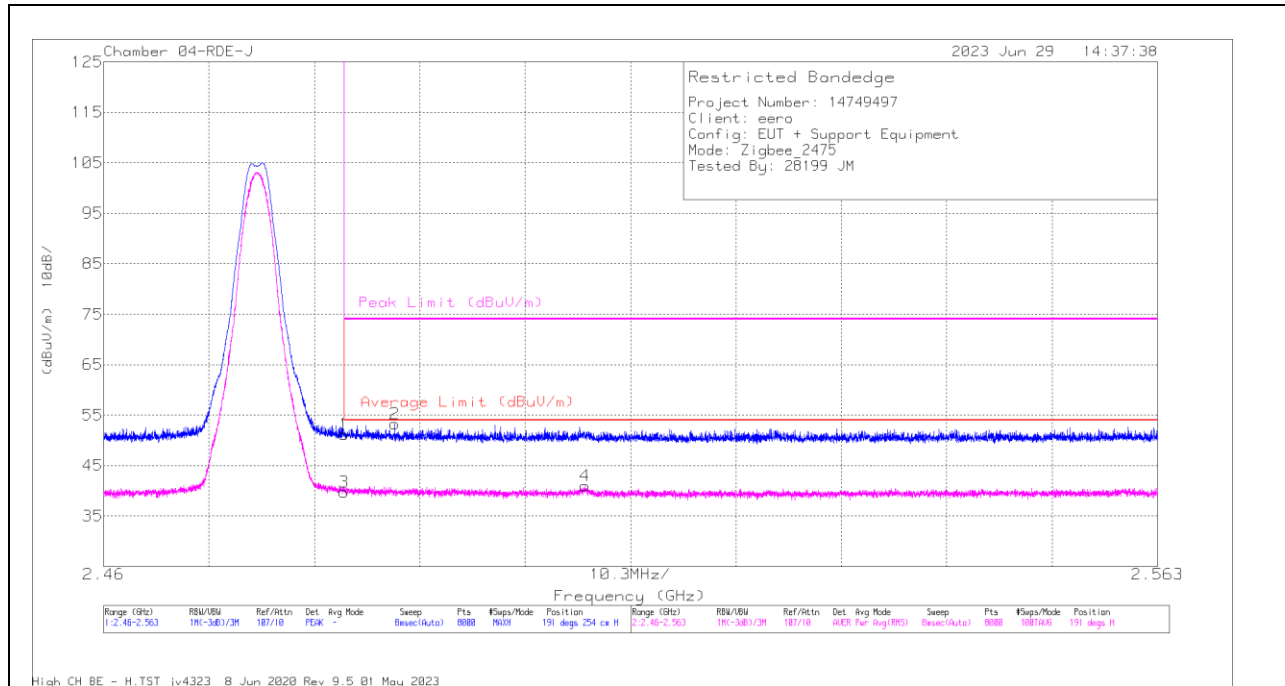
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) -3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.21	PK	32	-18	56.21	-	-	74	-17.79	129	150	V
2	* 2.372143	45.37	PK	31.9	-18	59.27	-	-	74	-14.73	129	150	V
3	* 2.39	30.72	RMS	32	-18	44.72	54	-9.28	-	-	129	150	V
4	* 2.372393	34.94	RMS	31.9	-18	48.84	54	-5.16	-	-	129	150	V

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

BANDEDGE (HIGH CHANNEL 2475MHz)

HORIZONTAL RESULT

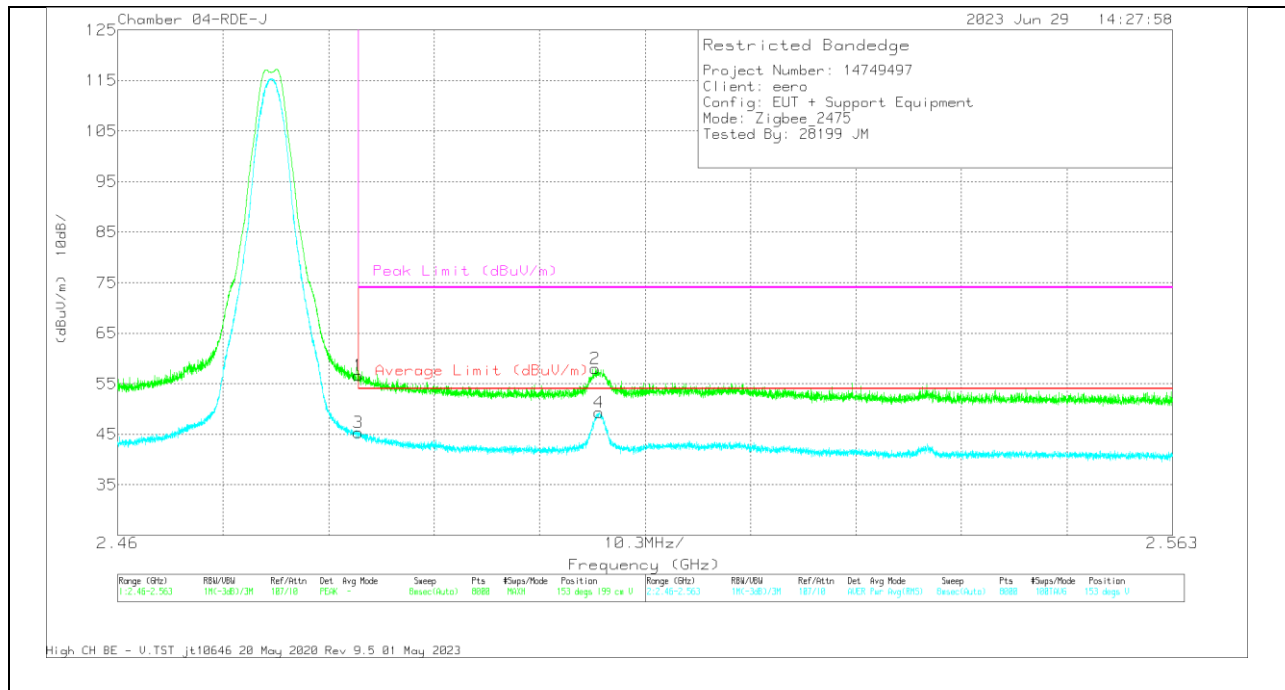


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	36.87	PK	32.2	-17.9	51.17	-	-	74	-22.83	191	254	H
2	* 2.488458	38.73	PK	32.3	-17.8	53.23	-	-	74	-20.77	191	254	H
3	* 2.4835	25.46	RMS	32.2	-17.9	39.76	54	-14.24	-	-	191	254	H
4	2.507065	26.44	RMS	32.3	-17.8	40.94	54	-13.06	-	-	191	254	H

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

VERTICAL RESULT



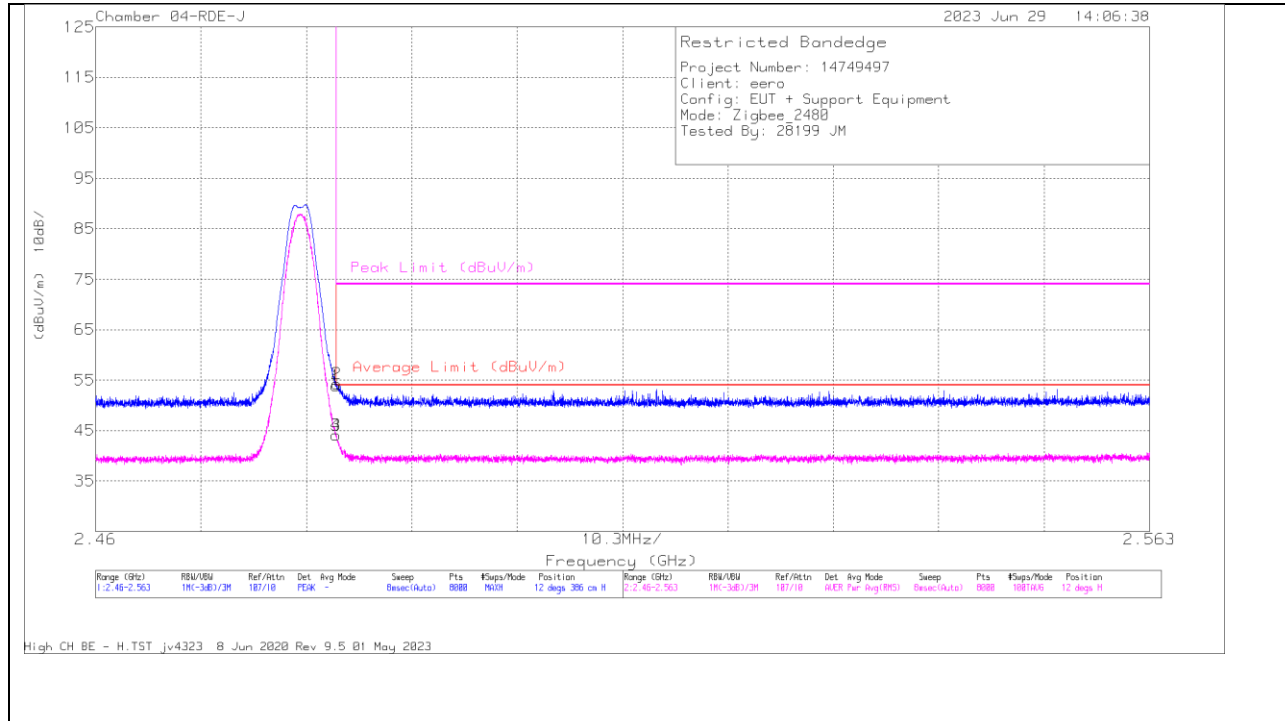
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) -3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	42.33	Pk	32.2	-17.9	56.63	-	-	74	-17.37	153	199	V
2	2.506615	43.44	Pk	32.3	-17.8	57.94	-	-	74	-16.06	153	199	V
3	* 2.4835	30.98	RMS	32.2	-17.9	45.28	54	-8.72	-	-	153	199	V
4	2.507001	34.8	RMS	32.3	-17.8	49.3	54	-4.7	-	-	153	199	V

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

BANDEDGE (HIGH CHANNEL 2480MHz)

HORIZONTAL RESULT

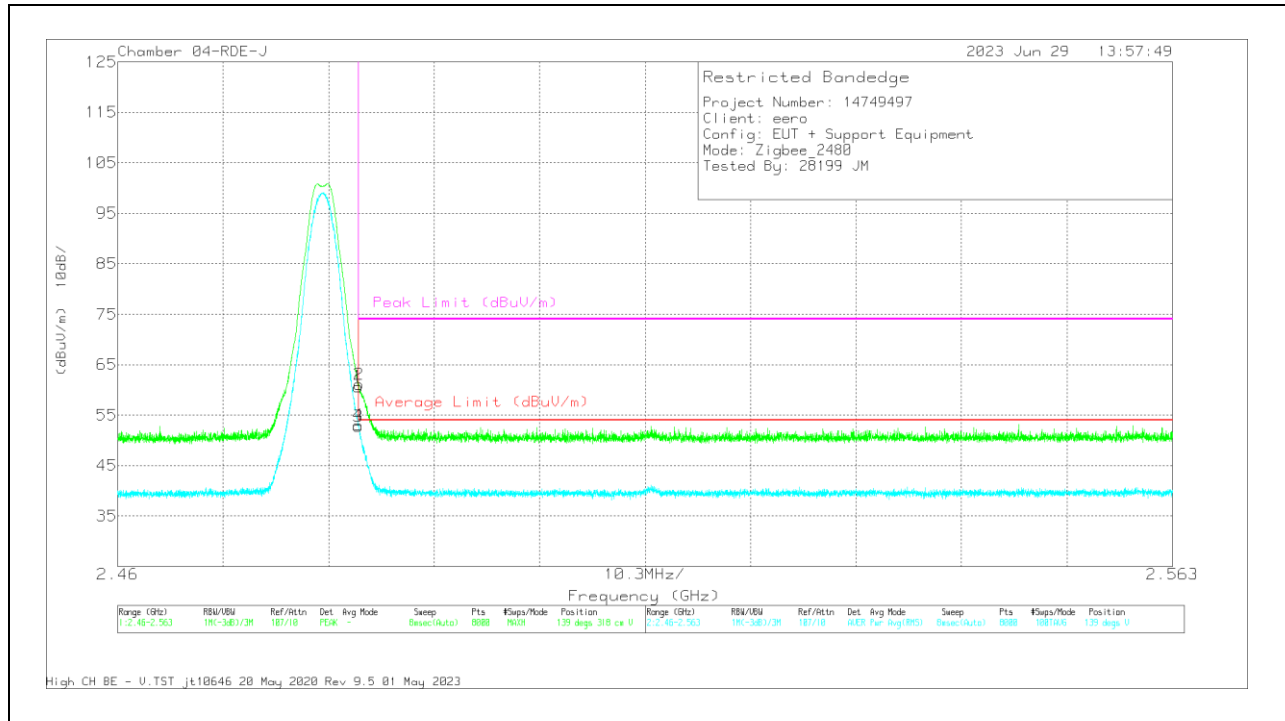


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	22741 ACF(dB) - 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	39.54	PK	32.2	-17.9	53.84	-	-	74	-20.16	12	386	H
2	* 2.483565	39.9	PK	32.2	-17.8	54.3	-	-	74	-19.7	12	386	H
3	* 2.4835	29.73	RMS	32.2	-17.9	44.03	54	-9.97	-	-	12	386	H
4	* 2.483501	29.64	RMS	32.2	-17.8	44.04	54	-9.96	-	-	12	386	H

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

VERTICAL RESULT



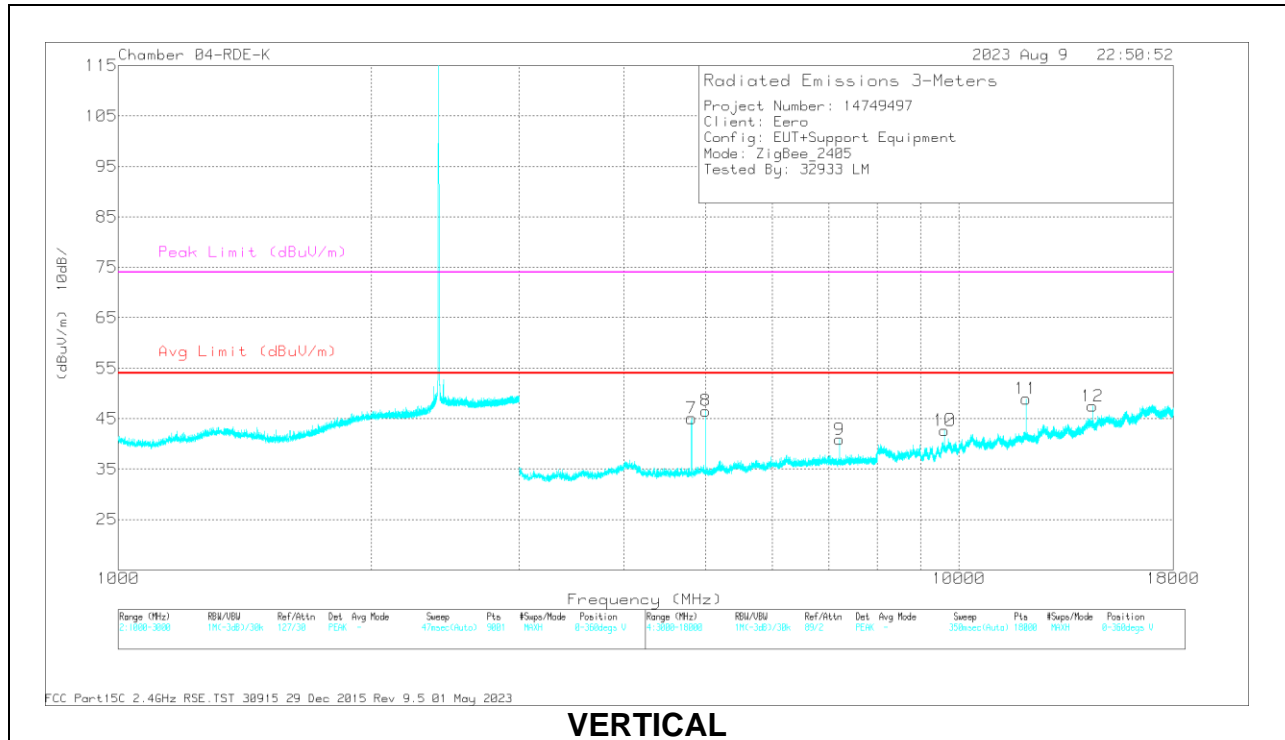
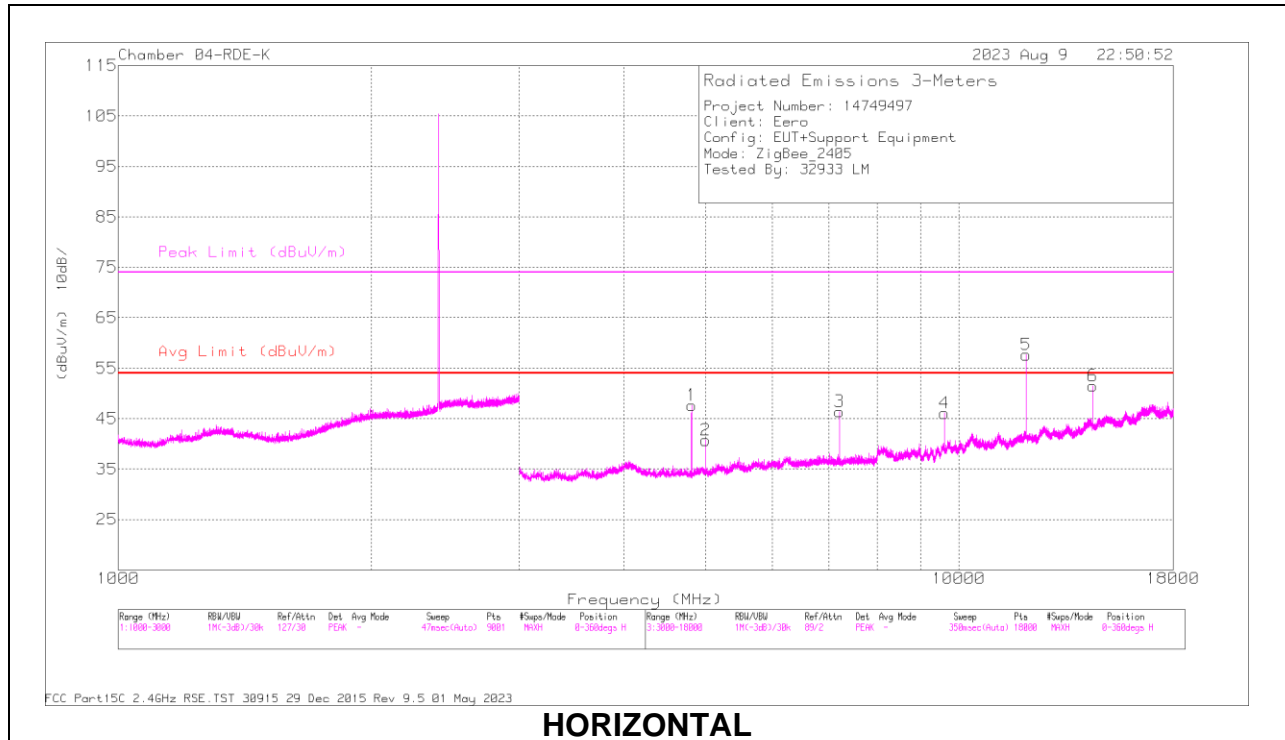
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) -3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	46.36	PK	32.2	-17.9	60.66	-	-	74	-13.34	139	318	V
2	* 2.48352	46.66	PK	32.2	-17.8	61.06	-	-	74	-12.94	139	318	V
3	* 2.4835	38.47	RMS	32.2	-17.9	52.77	54	-1.23	-	-	139	318	V
4	* 2.483513	38.67	RMS	32.2	-17.8	53.07	54	-.93	-	-	139	318	V

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

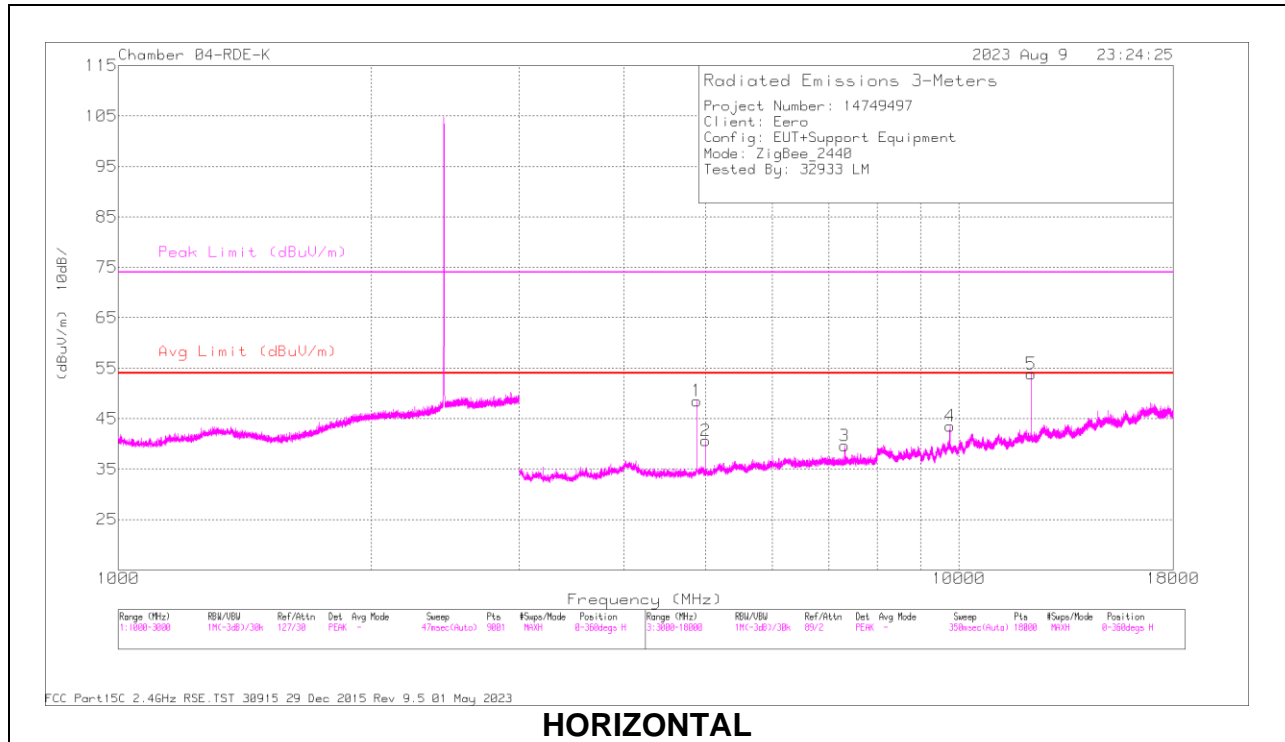


RADIATED EMISSIONS

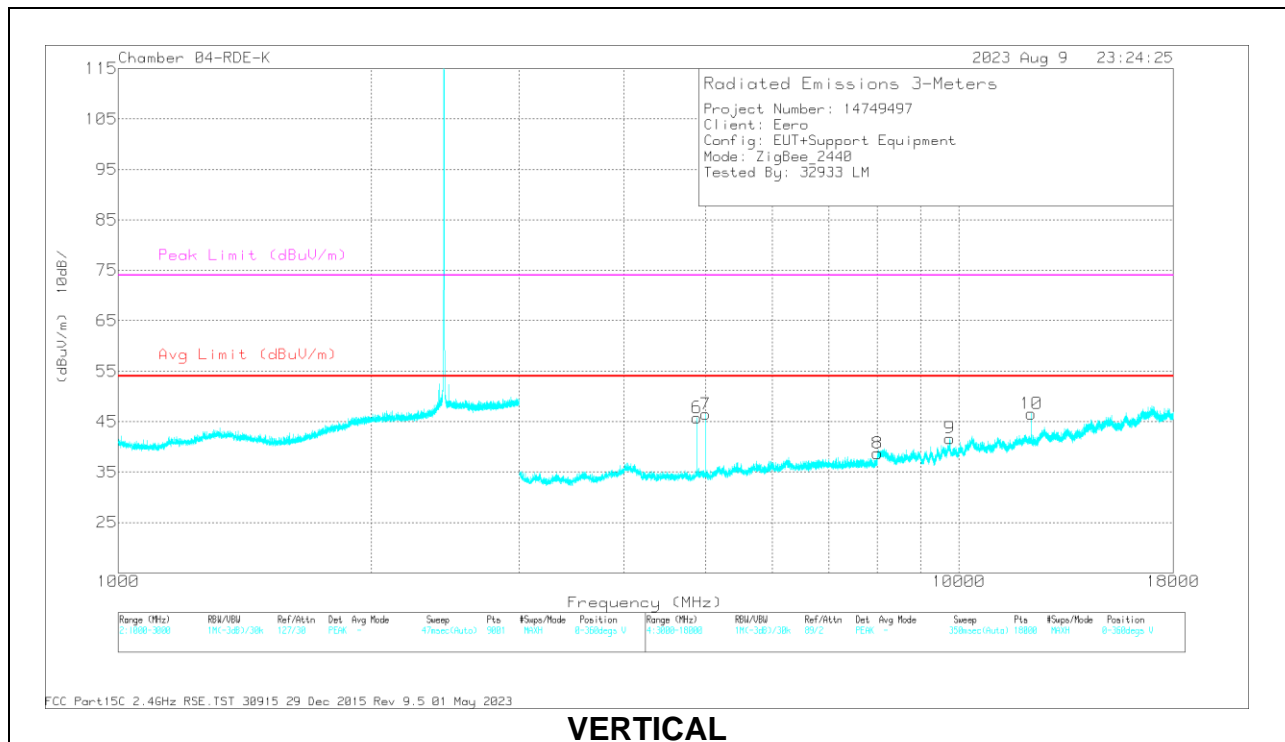
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4810.876	59.95	PK2	33.7	-39.9	53.75	-	-	74	-20.25	360	393	H
	* 4810.747	54.27	MAv1	33.7	-39.9	48.07	54	-5.93	-	-	360	393	H
2	* 4999.935	56.92	PK2	33.8	-39.8	50.92	-	-	74	-23.08	207	295	H
	* 5000.062	52.17	MAv1	33.8	-39.8	46.17	54	-7.83	-	-	207	295	H
3	7216.069	48.51	Pk	35.7	-37.8	46.41	-	-	-	-	0-360	199	H
4	9621.204	45.08	Pk	36.7	-35.7	46.08	-	-	-	-	0-360	199	H
5	* 12022.47	53.8	PK2	38.7	-33.9	58.6	-	-	74	-15.4	342	211	H
	* 12022.585	46.77	MAv1	38.7	-33.9	51.57	54	-2.43	-	-	342	211	H
6	14433.14	45.49	Pk	39.5	-33.5	51.49	-	-	-	-	0-360	101	H
7	* 4808.883	59.04	PK2	33.7	-39.8	52.94	-	-	74	-21.06	47	247	V
	* 4810.918	52.93	MAv1	33.7	-39.9	46.73	54	-7.27	-	-	47	247	V
8	* 5000.007	58.23	PK2	33.8	-39.8	52.23	-	-	74	-21.77	177	132	V
	* 5000.005	53.76	MAv1	33.8	-39.8	47.76	54	-6.24	-	-	177	132	V
9	7216.069	42.98	Pk	35.7	-37.8	40.88	-	-	-	-	0-360	101	V
10	9622.037	41.54	Pk	36.7	-35.6	42.64	-	-	-	-	0-360	200	V
11	* 12022.456	53.8	PK2	38.7	-33.9	58.6	-	-	74	-15.4	25	257	V
	* 12022.471	46.62	MAv1	38.7	-33.9	51.42	54	-2.58	-	-	25	257	V
12	14427.307	41.46	Pk	39.5	-33.5	47.46	-	-	-	-	0-360	101	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



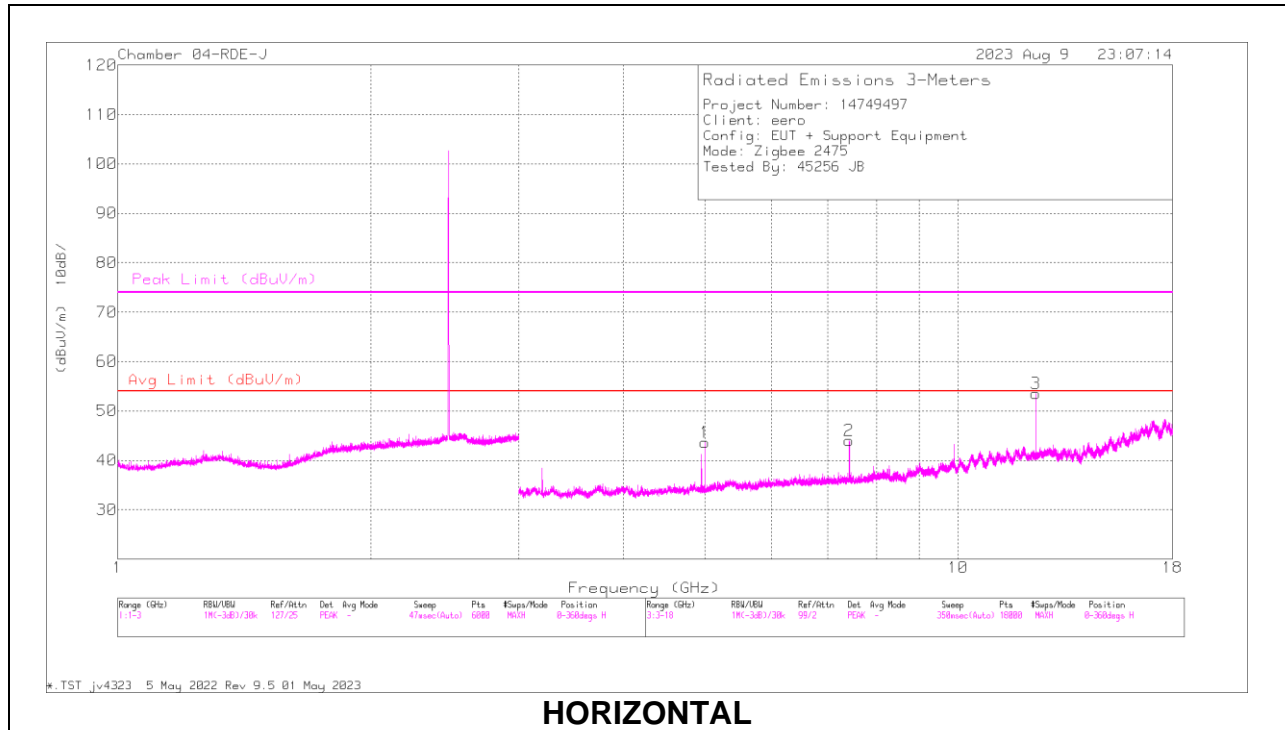
VERTICAL

RADIATED EMISSIONS

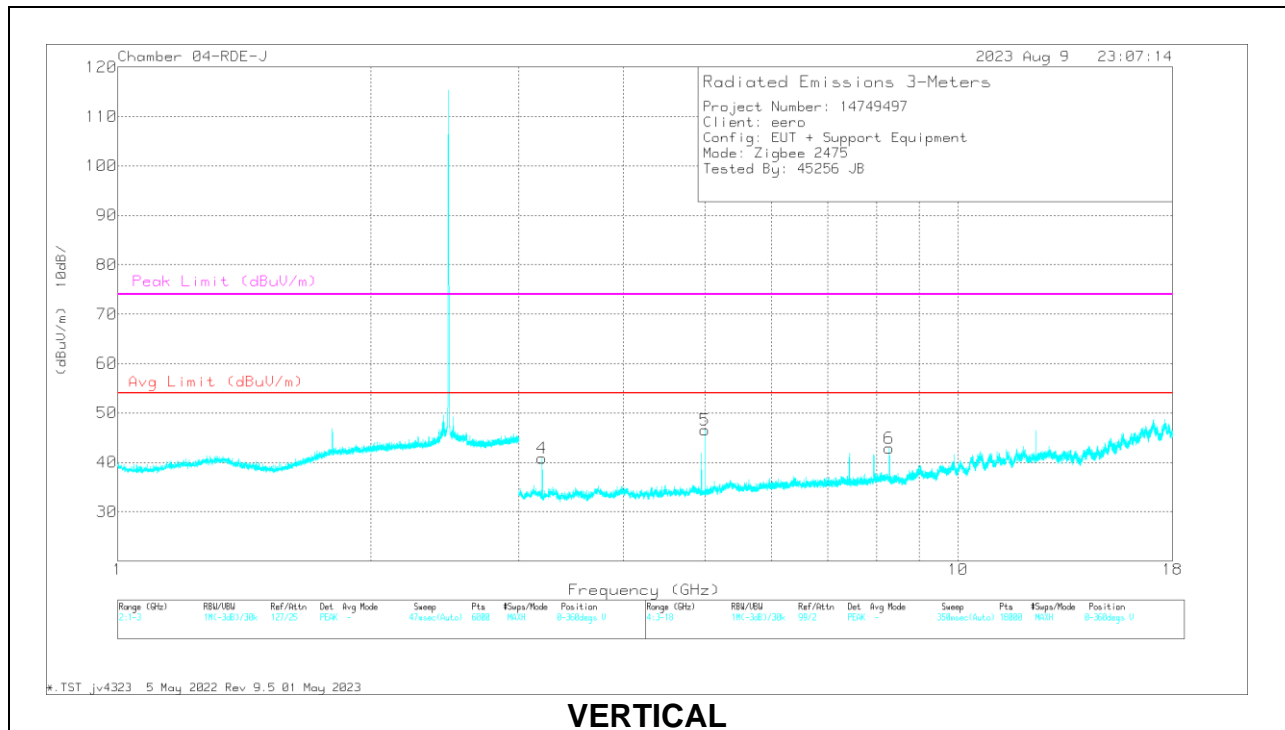
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4879.062	61.39	PK2	33.7	-39.9	55.19	-	-	74	-18.81	23	170	H
	* 4878.968	56.13	MAv1	33.7	-39.9	49.93	54	-4.07	-	-	23	170	H
2	* 5000.09	56.75	PK2	33.8	-39.8	50.75	-	-	74	-23.25	207	305	H
	* 5000.065	52.09	MAv1	33.8	-39.8	46.09	54	-7.91	-	-	207	305	H
3	* 7318.502	52.52	PK2	35.7	-37.4	50.82	-	-	74	-23.18	303	246	H
	* 7318.513	43.8	MAv1	35.7	-37.4	42.1	54	-11.9	-	-	303	246	H
4	9762.045	42.53	Pk	36.9	-35.9	43.53	-	-	-	-	0-360	200	H
5	* 12202.503	54.42	PK2	38.9	-33.8	59.52	-	-	74	-14.48	315	358	H
	* 12202.321	48	MAv1	38.9	-33.9	53	54	-1	-	-	315	358	H
6	* 4881.004	59.68	PK2	33.7	-39.9	53.48	-	-	74	-20.52	46	338	V
	* 4880.955	53.27	MAv1	33.7	-39.9	47.07	54	-6.93	-	-	46	338	V
7	* 5000.101	58.02	PK2	33.8	-39.8	52.02	-	-	74	-21.98	176	142	V
	* 4999.973	53.92	MAv1	33.8	-39.8	47.92	54	-6.08	-	-	176	142	V
8	8006.947	39.24	Pk	35.9	-36.4	38.74	-	-	-	-	0-360	101	V
9	9757.878	40.7	Pk	36.9	-35.9	41.7	-	-	-	-	0-360	200	V
10	* 12202.408	50.81	PK2	38.9	-33.9	55.81	-	-	74	-18.19	44	243	V
	* 12202.521	42.54	MAv1	38.9	-33.8	47.64	54	-6.36	-	-	44	243	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average
 Pk - Peak detector

HIGH CHANNEL RESULTS (2475MHz)



HORIZONTAL



VERTICAL

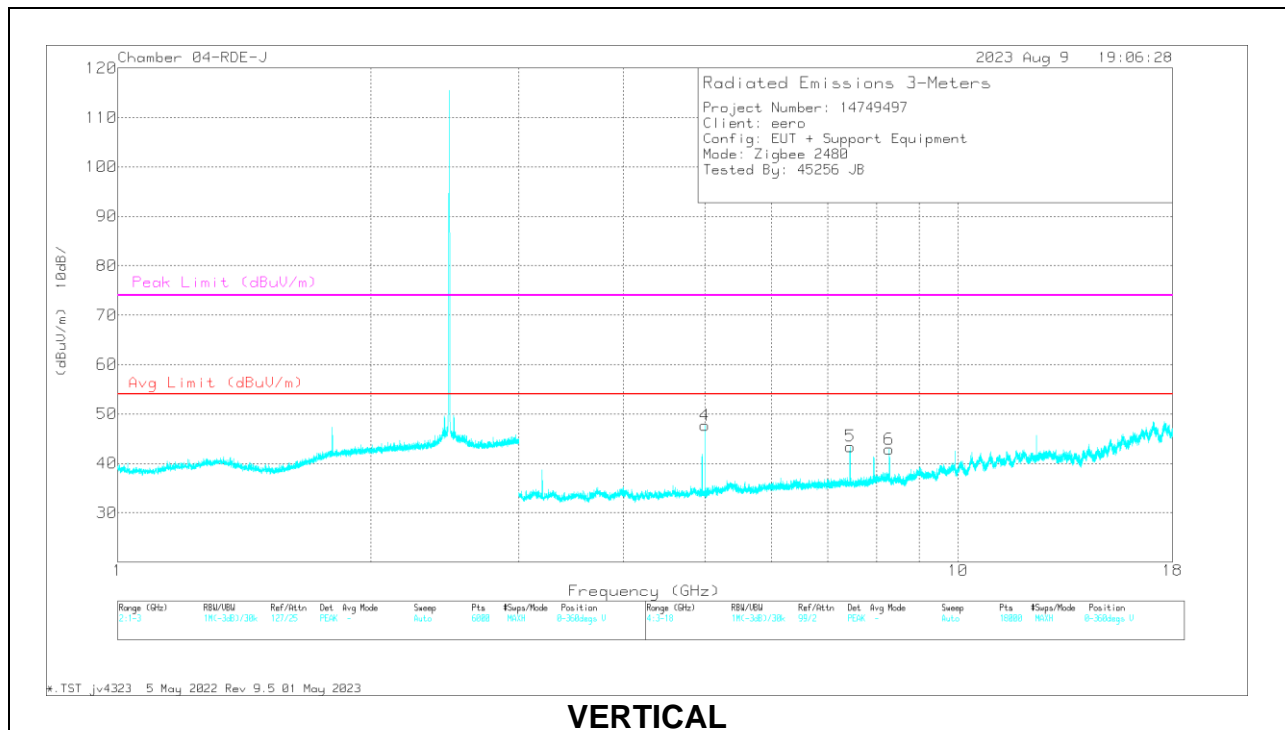
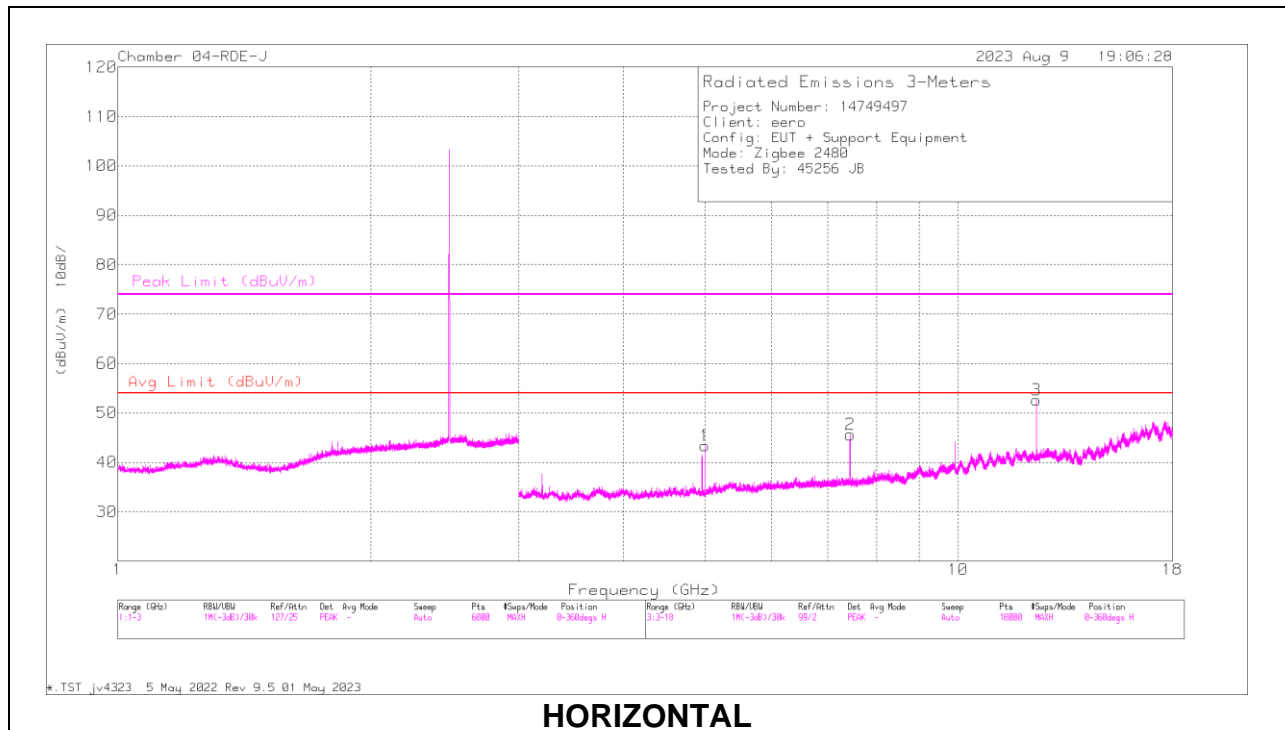
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.000029	61.54	PK2	34.2	-44.8	50.94	-	-	74	-23.06	74	129	H
	* 5.000014	56.49	MAv1	34.2	-44.8	45.89	54	-8.11	-	-	74	129	H
2	* 7.423619	57.84	PK2	35.8	-42.2	51.44	-	-	74	-22.56	194	152	H
	* 7.423443	50.24	MAv1	35.8	-42.2	43.84	54	-10.16	-	-	194	152	H
3	* 12.372228	58.25	PK2	38.9	-39.2	57.95	-	-	74	-16.05	180	340	H
	* 12.37239	51.21	MAv1	38.9	-39.2	50.91	54	-3.09	-	-	180	340	H
4	3.199178	52.82	PK	32.9	-44.9	40.82	-	-	-	-	0-360	199	V
	* 5.000234	61.49	PK2	34.2	-44.8	50.89	-	-	74	-23.11	86	126	V
5	* 5.000123	57.27	MAv1	34.2	-44.8	46.67	54	-7.33	-	-	86	126	V
	* 8.287732	56.58	PK2	35.8	-40.8	51.58	-	-	74	-22.42	52	127	V
6	* 8.287849	49.89	MAv1	35.8	-40.8	44.89	54	-9.11	-	-	52	127	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

RADIATED EMISSIONS

HIGH CHANNEL RESULTS (2480MHz)



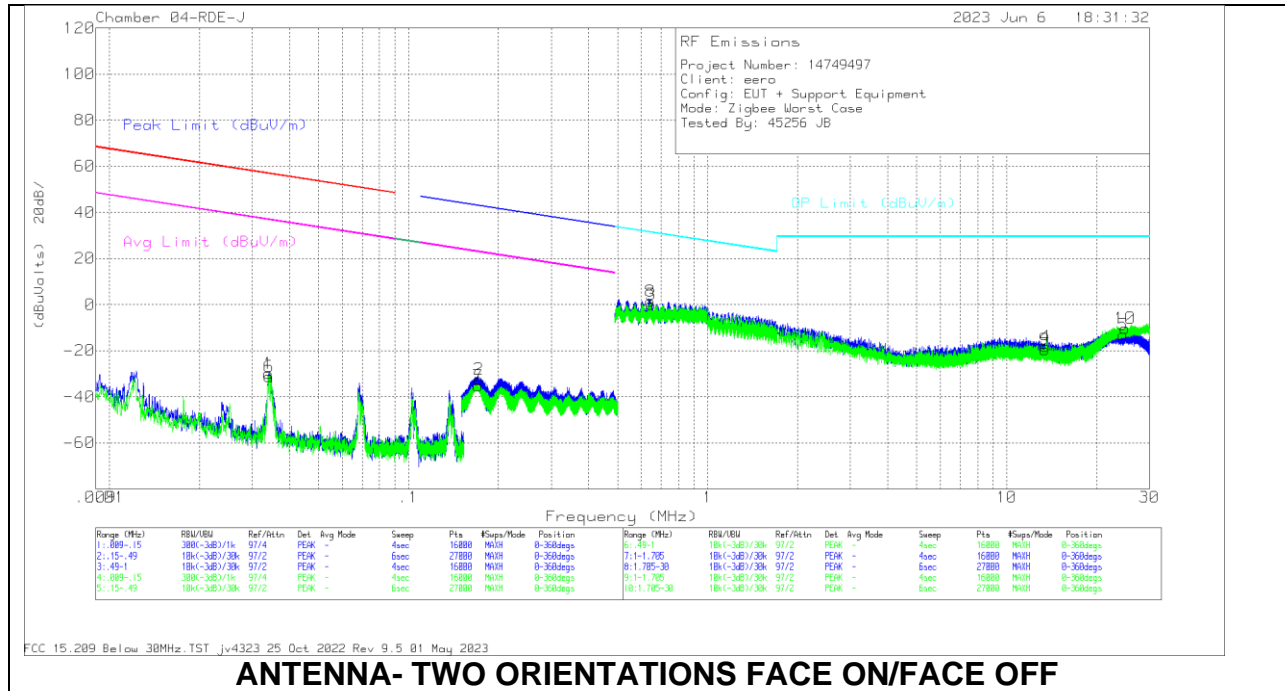
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.000105	59.87	PK2	34.2	-44.8	49.27	-	-	74	-24.73	60	172	H
	* 5.000071	53.74	MAv1	34.2	-44.8	43.14	54	-10.86	-	-	60	172	H
2	* 7.441215	55.37	PK2	35.8	-42.2	48.97	-	-	74	-25.03	257	222	H
	* 7.441505	46.1	MAv1	35.8	-42.1	39.8	54	-14.2	-	-	257	222	H
3	* 12.402397	57.74	PK2	38.9	-39.4	57.24	-	-	74	-16.76	176	357	H
	* 12.402447	50.47	MAv1	38.9	-39.4	49.97	54	-4.03	-	-	176	357	H
4	* 4.999988	61.54	PK2	34.2	-44.8	50.94	-	-	74	-23.06	85	160	V
	* 5.000055	56.57	MAv1	34.2	-44.8	45.97	54	-8.03	-	-	85	160	V
5	* 7.441451	53.97	PK2	35.8	-42.2	47.57	-	-	74	-26.43	228	109	V
	* 7.441387	43.07	MAv1	35.8	-42.2	36.67	54	-17.33	-	-	228	109	V
6	* 8.287992	55.91	PK2	35.8	-40.8	50.91	-	-	74	-23.09	52	153	V
	* 8.287854	49.25	MAv1	35.8	-40.8	44.25	54	-9.75	-	-	52	153	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.3. WORST CASE BELOW 30MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



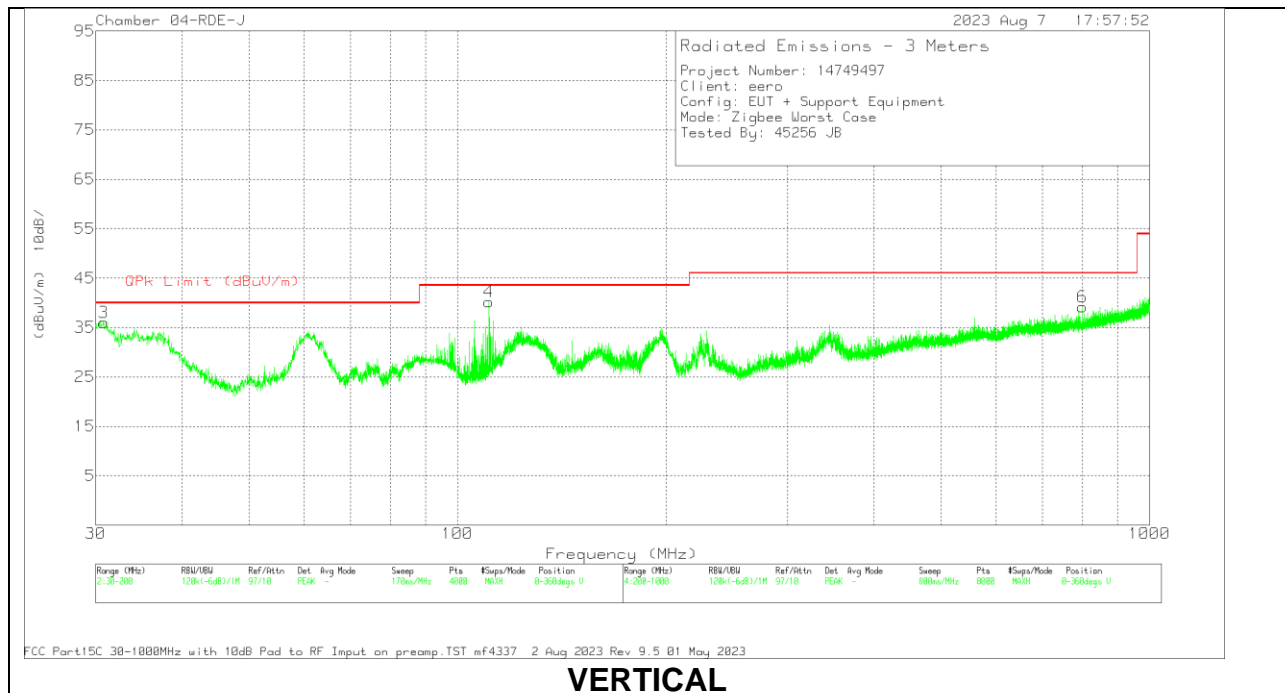
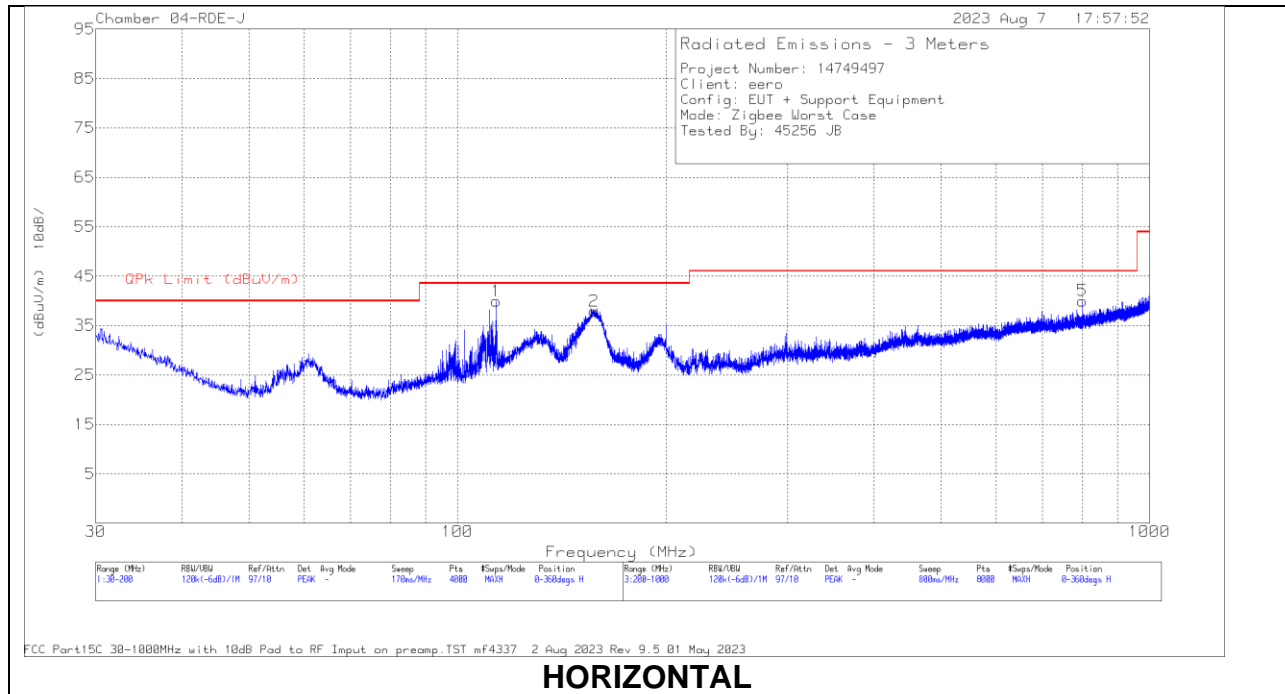
Below 30MHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (EACF)	Amp/Cables (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	GP Limit (dBuV/m)	Margin (dB)	GP Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.0341	24.58	Pk	57.7	-32.2	-80	-29.92	56.94	-86.86	36.94	-66.86	-	-	-	-	-	-	-	-	0-360
2	.1716	23.96	Pk	56.1	-32.3	-80	-32.24	-	-	-	-	-	-	-	-	42.93	-75.17	22.93	-55.17	0-360
6	.0342	23.34	Pk	57.7	-32.2	-80	-31.16	56.9	-86.06	36.9	-68.06	-	-	-	-	-	-	-	-	0-360
7	.1712	20.97	Pk	56.1	-32.3	-80	-35.23	-	-	-	-	-	-	-	-	42.95	-78.18	22.95	-58.18	0-360
3	.6469	15.88	Pk	56.3	-32.2	-40	-.02	-	-	-	-	-	-	31.39	-31.41	-	-	-	-	0-360
8	.6433	17.41	Pk	56.3	-32.2	-40	1.51	-	-	-	-	-	-	31.44	-29.93	-	-	-	-	0-360
4	13.4772	19.47	Pk	34.3	-31.9	-40	-18.13	-	-	-	-	-	-	29.5	-47.63	-	-	-	-	0-360
5	24.5021	25.16	Pk	33.7	-31.8	-40	-12.94	-	-	-	-	-	-	29.5	-42.44	-	-	-	-	0-360
9	13.4363	18	Pk	34.3	-31.9	-40	-19.6	-	-	-	-	-	-	29.5	-49.1	-	-	-	-	0-360
10	24.8511	27.87	Pk	33.6	-31.7	-40	-10.23	-	-	-	-	-	-	29.5	-39.73	-	-	-	-	0-360

Pk - Peak detector

10.4. WORST CASE BELOW 1 GHz (Foxlink PSU)

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



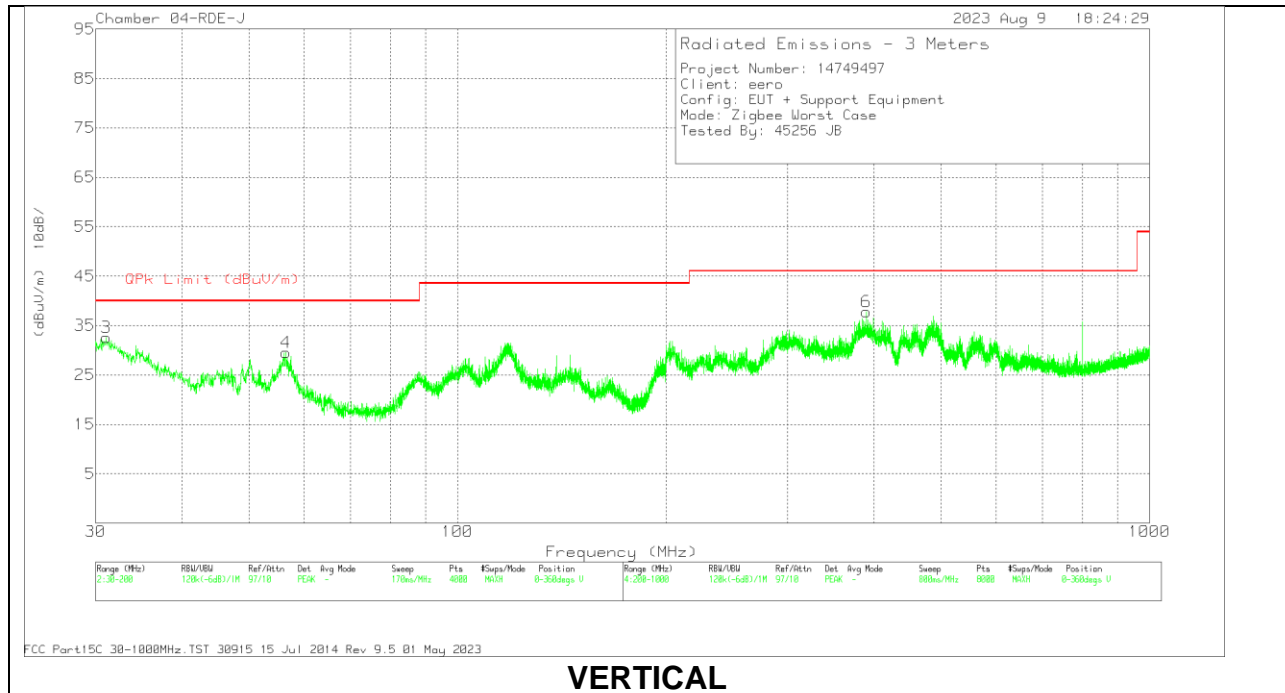
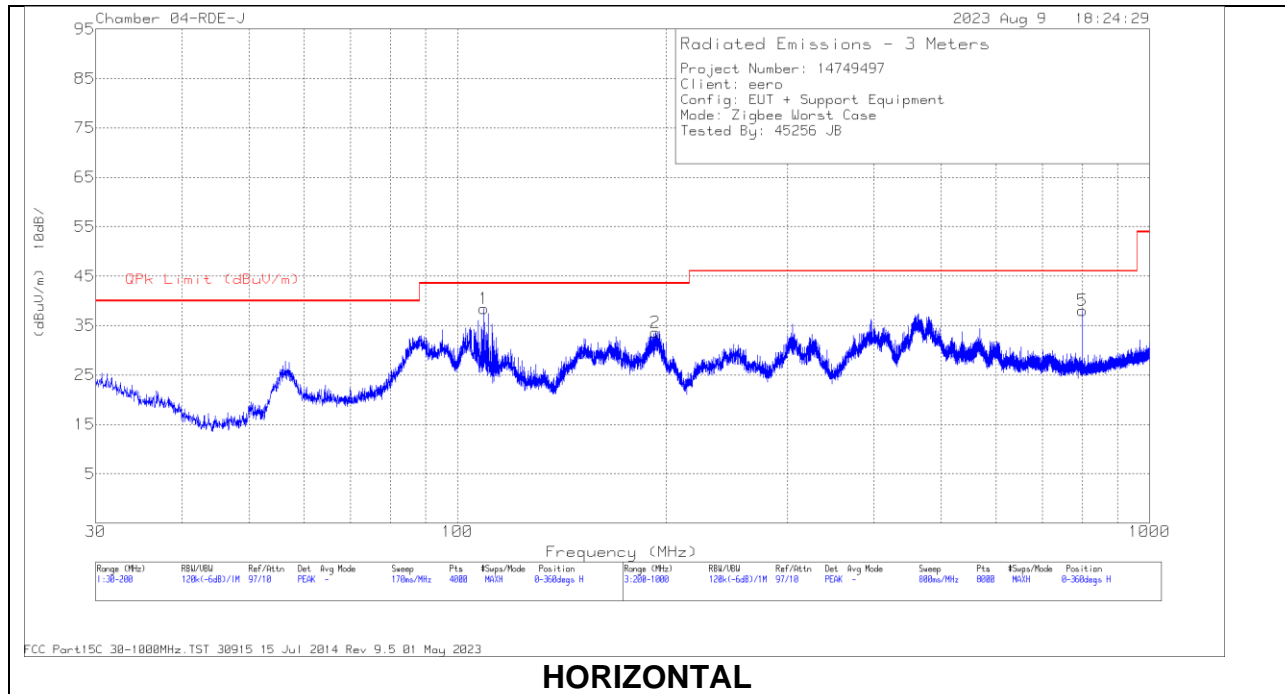
Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80293 ACF (dB) 10m H	Amp/Cbl (dB)	10 dB Pad	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 113.747	41.99	Pk	19.2	-31.2	10	39.99	43.52	-3.53	0-360	399	H
	* 111.511	23.73	Qp	18.8	-31.2	10	21.33	43.52	-22.19	205	119	H
2	157.618	40.73	Pk	18.1	-30.9	10	37.93	43.52	-5.59	0-360	199	H
	157.53	39.01	Qp	18.1	-30.9	10	36.21	43.52	-7.31	206	185	H
3	30.8077	31.58	Pk	26.2	-31.8	10	35.98	40	-4.02	0-360	100	V
	31.0683	24.96	Qp	26	-31.8	10	29.16	40	-10.84	157	139	V
4	* 110.983	42.72	Pk	18.7	-31.2	10	40.22	43.52	-3.3	0-360	100	V
	* 110.296	22.32	Qp	18.6	-31.2	10	19.72	43.52	-23.8	102	320	V
5	800.078	31.81	Pk	27	-28.8	10	40.01	46.02	-6.01	0-360	99	H
	800.027	31.15	Qp	27	-28.8	10	39.35	46.02	-6.67	150	100	H
6	800.078	30.99	Pk	27	-28.8	10	39.19	46.02	-6.83	0-360	99	V
	800.031	30.18	Qp	27	-28.8	10	38.38	46.02	-7.64	115	123	V

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

10.5. WORST CASE BELOW 1 GHz (Luxshare PSU)

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



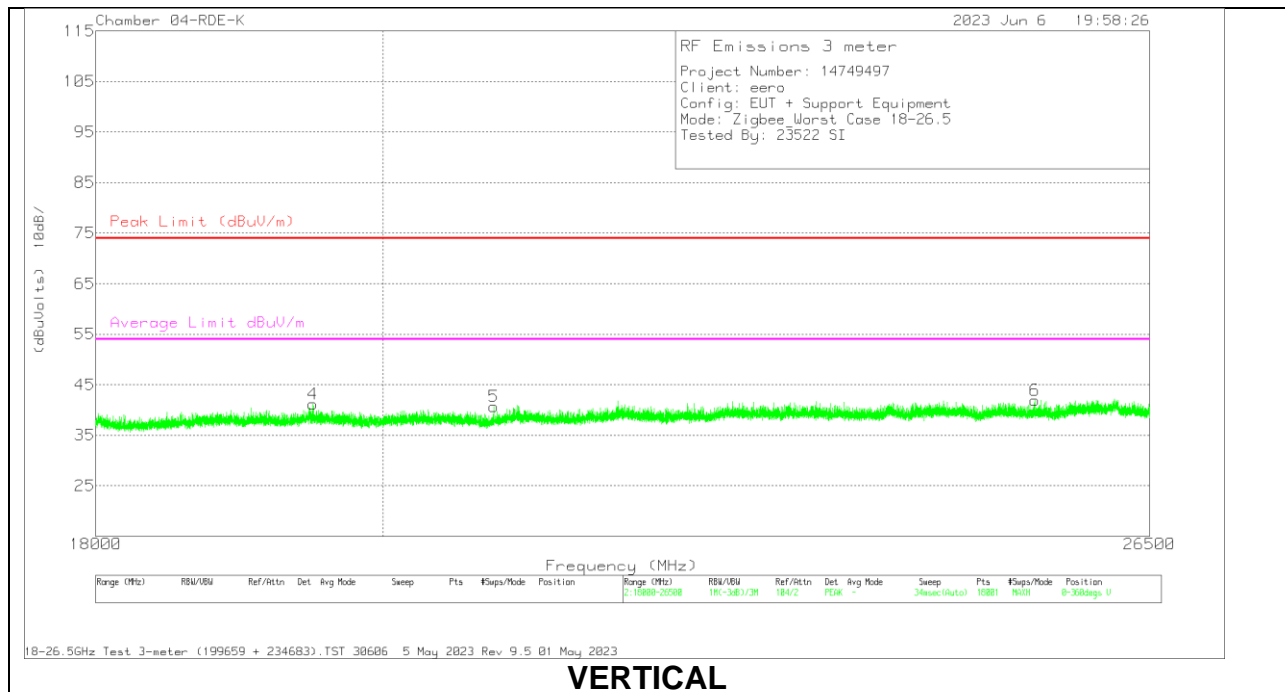
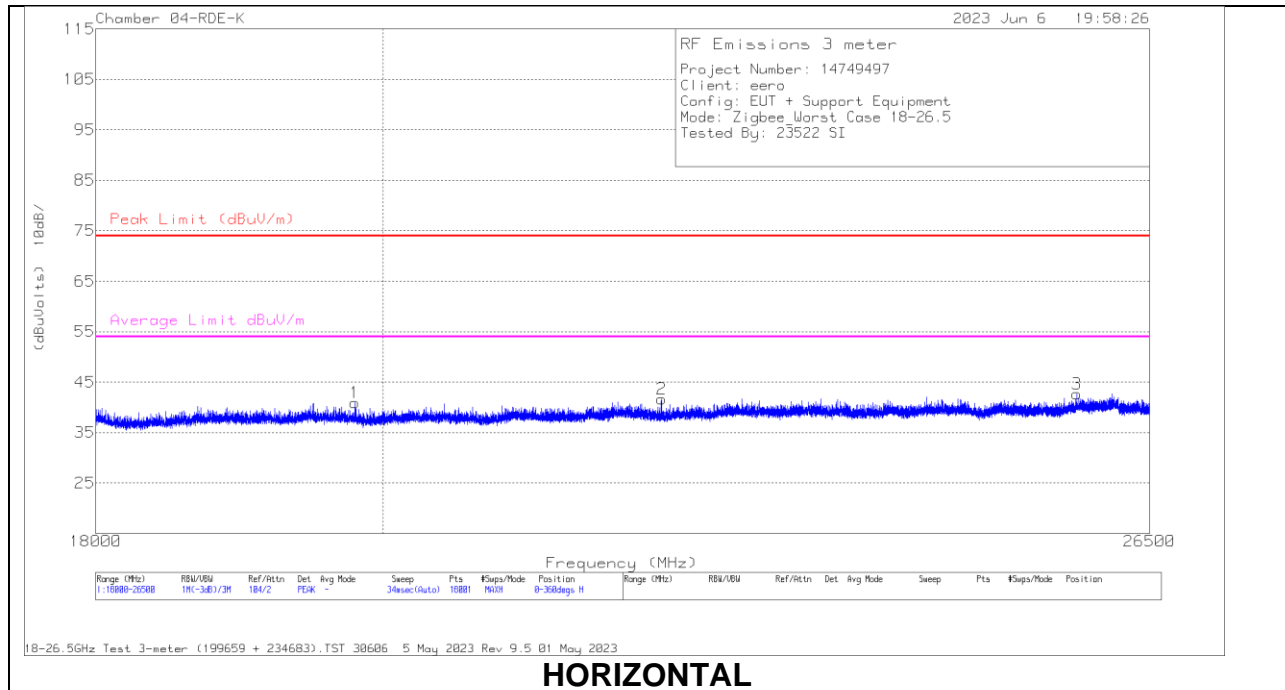
Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80293 ACF (dB) 10m H	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	107.047	42.63	Pk	17.8	-31.2	29.23	43.52	-14.29	170	216	H
	107.047	35.68	Qp	17.8	-31.2	22.28	43.52	-21.24	170	216	H
2	193.115	46.88	Pk	17.5	-30.8	33.58	43.52	-9.94	0-360	99	H
3	31.0628	38.34	Pk	26	-31.8	32.54	40	-7.46	0-360	100	V
4	56.5269	47.91	Pk	13.1	-31.5	29.51	40	-10.49	0-360	100	V
5	800.078	39.82	Pk	27	-28.8	38.02	46.02	-8	0-360	99	H
6	390.025	46.85	Pk	21	-30.1	37.75	46.02	-8.27	0-360	99	V

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

10.6. WORST CASE 18 TO 26 GHz

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



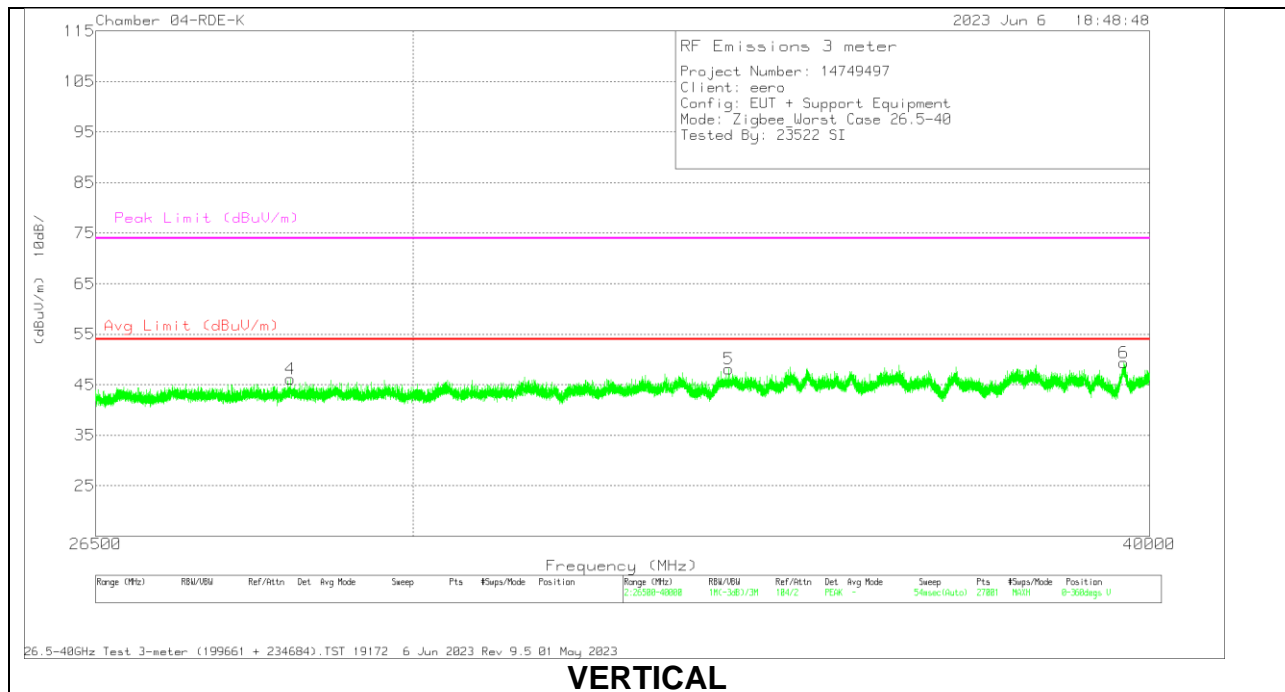
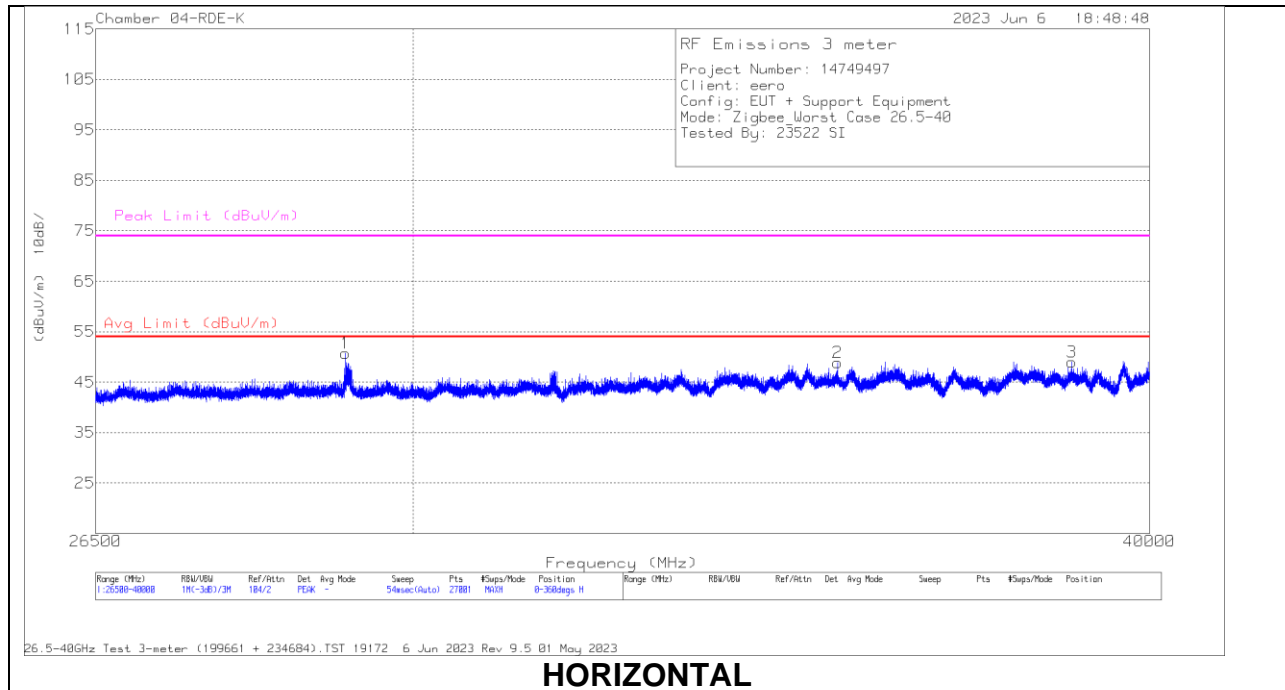
18 to 26 GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Horn ACF (dB/m)	234683 Amp/Cbl (dB)	Cables (dB)	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19795.86	52.17	Pk	32.7	-62.6	18.6	40.87	74	-33.13	-	-	0-360	199	H
2	* 22153.665	51.21	Pk	33.3	-62.5	19.6	41.61	74	-32.39	-	-	0-360	199	H
3	25803.469	48.81	Pk	34.2	-61.7	21.3	42.61	74	-31.39	-	-	0-360	101	H
4	* 19495.627	52.87	Pk	32.6	-62.8	18.5	41.17	74	-32.83	-	-	0-360	200	V
5	* 20832.86	50.22	Pk	32.8	-61.4	19.1	40.72	74	-33.28	-	-	0-360	200	V
6	25406.802	48.78	Pk	34	-62	21.1	41.88	74	-32.12	-	-	0-360	200	V

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

10.7. WORST CASE 26 TO 40 GHz

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



26 to 40 GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Horn ACF (dB/m)	234684 Amp/Cbl (dB)	Cables (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	29217	51.08	Pk	36.5	-59.7	22.8	50.68	-	-	74	-23.32	0-360	199	H
2	35411	46.93	Pk	37.4	-60.9	25.4	48.83	-	-	74	-25.17	0-360	199	H
3	* 38800	46.88	Pk	38.1	-62.9	26.9	48.98	-	-	74	-25.02	0-360	199	H
4	28597	47.09	Pk	36.1	-59.7	22.6	46.09	-	-	74	-27.91	0-360	199	V
5	33937	46.06	Pk	37.3	-60	24.8	48.16	-	-	74	-25.84	0-360	101	V
6	* 39597.5	45.26	Pk	38.3	-61.4	27.2	49.36	-	-	74	-24.64	0-360	199	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.

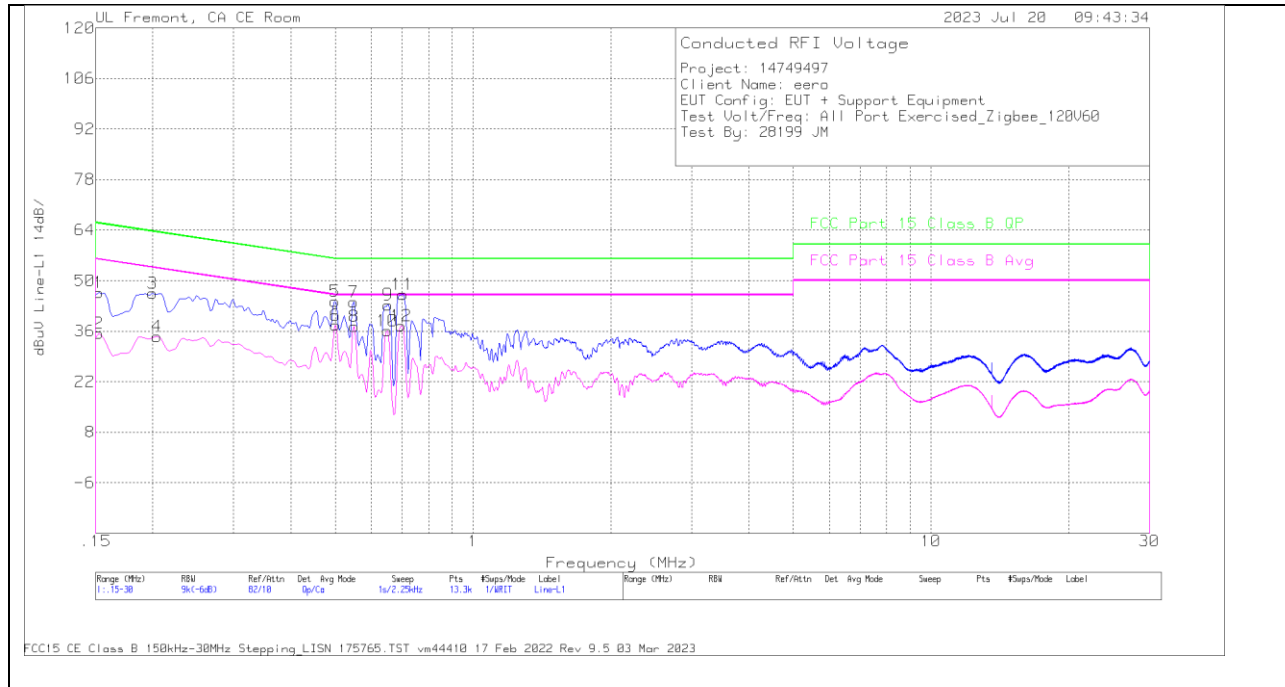
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line (Foxlink PSU)

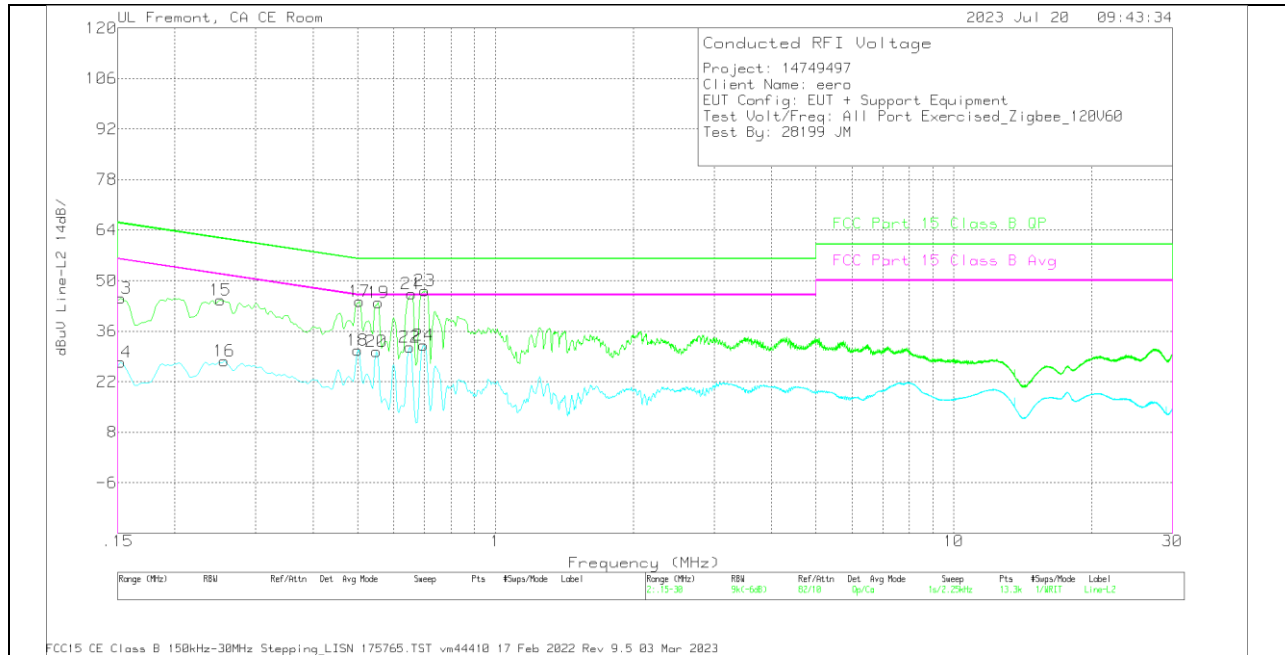
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L1_LISN.csv	C1&C3 cable path loss	207996 Limiter with short cabl	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av(CISPR)Margin (dB)
2	.1523	26.07	Ca	0	0	9.4	35.47	-	-	55.88	-20.41
4	.204	25.09	Ca	0	0	9.4	34.49	-	-	53.45	-18.96
6	.501	28.2	Ca	0	.1	9.3	37.6	-	-	46	-8.4
8	.5505	27.92	Ca	0	.1	9.3	37.32	-	-	46	-8.68
10	.6495	26.63	Ca	0	.1	9.3	36.03	-	-	46	-9.97
12	.6968	28.09	Ca	0	.1	9.3	37.49	-	-	46	-8.51
1	.1523	37.31	Qp	0	0	9.4	46.71	65.88	-19.17	-	-
3	.1995	37.11	Qp	0	0	9.4	46.51	63.63	-17.12	-	-
5	.4988	34.92	Qp	0	.1	9.3	44.32	56.02	-11.7	-	-
7	.5483	34.62	Qp	0	.1	9.3	44.02	56	-11.98	-	-
9	.6518	33.9	Qp	0	.1	9.3	43.3	56	-12.7	-	-
11	.7024	36.84	Qp	0	.1	9.3	46.24	56	-9.76	-	-

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS

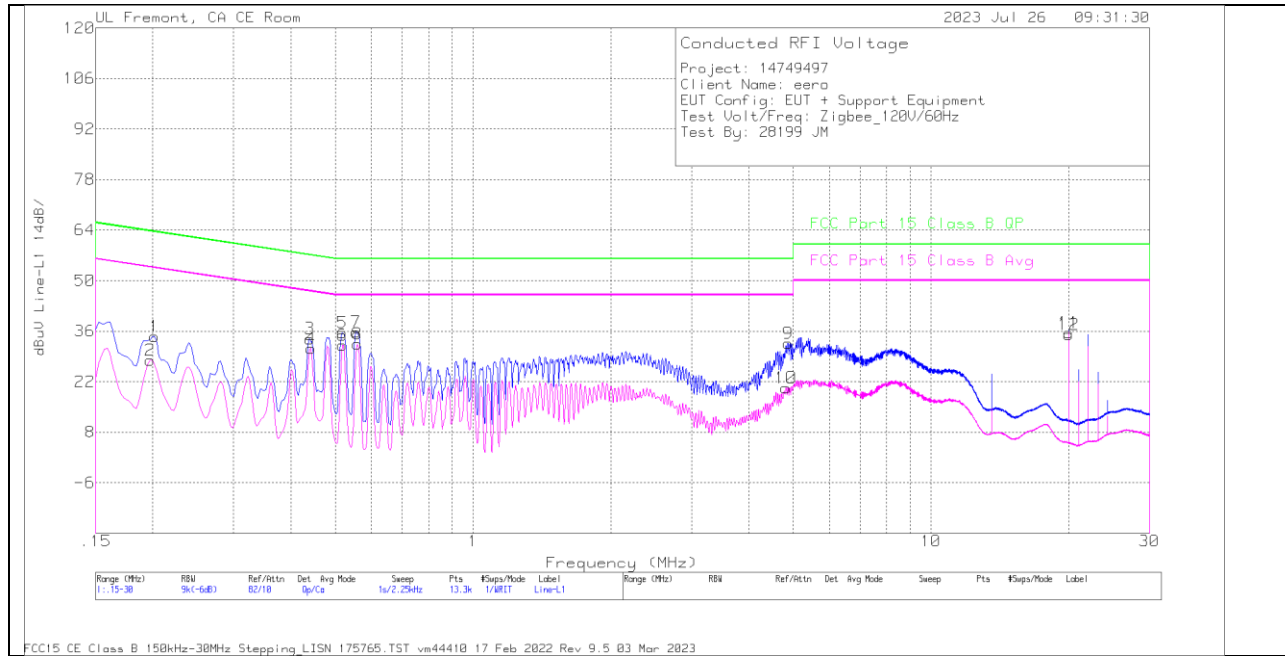


Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L2_LISN	C2&C3 cable path loss	207996 Limiter with short cabl	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av(CISPR)M argin (dB)
14	.1523	18.07	Ca	0	0	9.4	27.47	-	-	55.88	-28.41
16	.2558	18.38	Ca	0	0	9.3	27.68	-	-	51.57	-23.89
18	.501	21.32	Ca	0	.1	9.3	30.72	-	-	46	-15.28
20	.5505	20.97	Ca	0	.1	9.3	30.37	-	-	46	-15.63
22	.6495	22.16	Ca	0	.1	9.3	31.56	-	-	46	-14.44
24	.6968	22.68	Ca	0	.1	9.3	32.08	-	-	46	-13.92
13	.1523	35.79	Qp	0	0	9.4	45.19	65.88	-20.69	-	-
15	.2513	35.37	Qp	0	0	9.3	44.67	61.72	-17.05	-	-
17	.5055	34.85	Qp	0	.1	9.3	44.25	56	-11.75	-	-
19	.555	34.44	Qp	0	.1	9.3	43.84	56	-12.16	-	-
21	.6563	37.01	Qp	0	.1	9.3	46.41	56	-9.59	-	-
23	.7013	37.81	Qp	0	.1	9.3	47.21	56	-8.79	-	-

Qp - Quasi-Peak detector
 Ca - CISPR average detection

11.2. AC Power Line (Luxshare PSU)

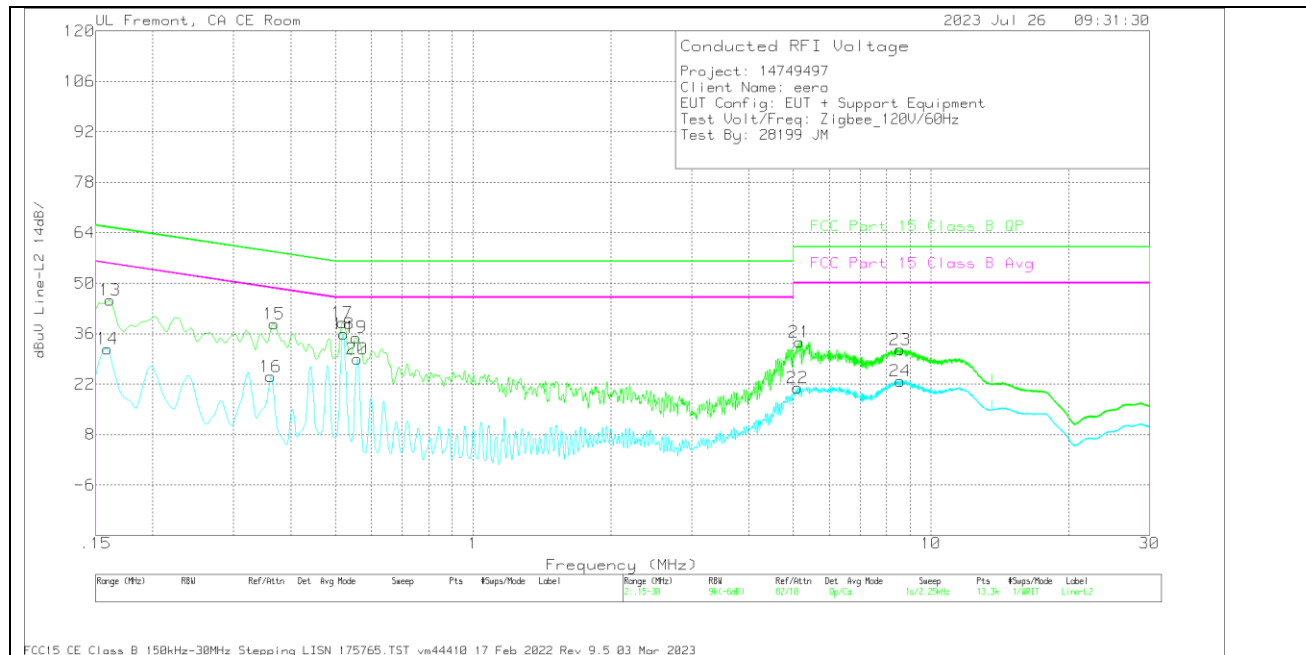
LINE 1 RESULTS



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L1_LISN.csv	C1&C3 cable path loss	207996 Limiter with short cabl	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av(CISPR)Margin (dB)
2	.1973	18.58	Ca	0	0	9.4	27.98	-	-	53.73	-25.75
4	.4425	21.89	Ca	0	.1	9.3	31.29	-	-	47.01	-15.72
6	.519	22.71	Ca	0	.1	9.3	32.11	-	-	46	-13.89
8	.5595	23.11	Ca	0	.1	9.3	32.51	-	-	46	-13.49
10	4.8233	10.92	Ca	0	.1	9.3	20.32	-	-	46	-25.68
12	20.0018	25.21	Ca	.2	.3	9.4	35.11	-	-	50	-14.89
1	.2018	25.17	Qp	0	0	9.4	34.57	63.54	-28.97	-	-
3	.4403	24.52	Qp	0	.1	9.3	33.92	57.06	-23.14	-	-
5	.519	26.1	Qp	0	.1	9.3	35.5	56	-20.5	-	-
7	.555	26.39	Qp	0	.1	9.3	35.79	56	-20.21	-	-
9	4.8705	23.26	Qp	0	.1	9.3	32.66	56	-23.34	-	-
11	20.0018	25.61	Qp	.2	.3	9.4	35.51	60	-24.49	-	-

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	L2_LISN	C2&C3 cable path loss	207996 Limiter with short cabl	Corrected Reading dBuV	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av(CISPR)M argin (dB)
14	.159	22.43	Ca	0	0	9.4	31.83	-	-	55.52	-23.69
16	.3615	14.8	Ca	0	0	9.3	24.1	-	-	48.69	-24.59
18	.5213	26.44	Ca	0	.1	9.3	35.84	-	-	46	-10.16
20	.5595	19.53	Ca	0	.1	9.3	28.93	-	-	46	-17.07
22	5.1068	11.5	Ca	0	.1	9.3	20.9	-	-	50	-29.1
24	8.5605	13.3	Ca	0	.2	9.3	22.8	-	-	50	-27.2
13	.1613	35.98	Qp	0	0	9.4	45.38	65.4	-20.02	-	-
15	.3683	29.35	Qp	0	0	9.3	38.65	58.54	-19.89	-	-
17	.519	29.65	Qp	0	.1	9.3	39.05	56	-16.95	-	-
19	.555	25.56	Qp	0	.1	9.3	34.96	56	-21.04	-	-
21	5.1563	24.26	Qp	0	.1	9.3	33.66	60	-26.34	-	-
23	8.5583	22	Qp	0	.2	9.3	31.5	60	-28.5	-	-

Qp - Quasi-Peak detector
 Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to 14749497-EP1 for setup photo.

END OF TEST REPORT