

TEST REPORT

Report Number: 15982152-E5V3

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

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

Brand : APPLE

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

IC : 579C-E9186A (Parent)
579C-E9192A, 579C-E9193A, 579C-E9194A (Variants)

EUT Description : SMARTPHONE

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C
ISED RSS-247 ISSUE 4
ISED RSS-GEN ISSUE 5 + A1 + A2

Date Of Issue:
2026-07-26

Prepared by:
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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2026-06-17	Initial Issue	--
V2	2026-06-24	Addressed TCB Questions: Sections 6, 7, 9	Jiovanni Pham
V3	2026-06-25	Addressed TCB Questions: Sections 7 and 8.4	David Collins

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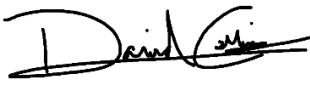
1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPLE INC. 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.
Model	A3472 (Parent) A3713, A3714, A3715 (Variants)
Brand	APPLE
FCC ID	BCG-E9186A (Parent) BCG-E9192A, BCG-E9193A, BCG-E9194A (Variants)
IC	579C-E9186A (Parent) 579C-E9192A, 579C-E9193A, 579C-E9194A (Variants)
EUT Description	SMARTPHONE
Serial Number	KQF475QLT0 (Radiated) C07HP3000UW0001AMR, C07HT20008M0001B9T (Conducted)
Sample Receipt Date	2026-01-06
Date Tested	2026-01-13 to 2026-05-26
Applicable Standards	FCC 47 CFR Part 15 Subpart C ISED RSS-247 Issue 4 ISED RSS-GEN Issue 5 + A1 + A2
Test Results	COMPLIES

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to ensure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL Verification Services Inc., and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.

Approved & Released By: 	Prepared & Reviewed By: 
Frank Ibrahim Staff Engineer UL Verification Services Inc.	David Collins Lab Supervisor UL Verification Services Inc.

2. TEST RESULTS SUMMARY

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

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

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

Requirement Description	Requirement Clause Number (FCC)	Requirement Clause Number (ISED)	Result
Duty Cycle	-	-	Reporting purposes only
99% OBW	-	RSS-GEN 6.7	Complies
6dB BW	15.247 (a) (2)	RSS-247 6.3.1 (a)	Complies
Output Power	15.247 (b) (3)	RSS-247 6.3.2	Complies
PSD	15.247 (e)	RSS-247 6.3.1 (b)	Complies
Conducted Spurious Emissions	15.247 (d)	RSS-247 6.6	Complies
Radiated Emissions	15.209, 15.205	RSS-GEN 8.9, 8.10	Complies
AC Mains Conducted Emissions	15.207	RSS-Gen 8.8	Complies

3. TEST METHODOLOGY

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

- ANSI/USEMCSC C63.10-2020+Cor 1-2023 (FCC)
- FCC 47 CFR Part 2
- FCC 47 CFR Part 15C
- KDB 558074 D01 15.247 Meas Guidance
- KDB 414788 D01 Radiated Test Site
- KDB 662911 D01 Multiple Transmitter Output
- KDB 484596 D01 Referencing Test Data
- RSS-GEN Issue 5 + A1 + A2
- RSS-247 Issue 4
- ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 (ISED)

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 regularly, with a maximum time between calibrations of one year or the manufacturer's recommendation, whichever is less, and, where applicable, is traceable to recognized national standards.

5.2. DECISION RULES

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

5.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	U _{LAB}
Conducted Antenna Port Emission Measurement	1.94 dB
Power Spectral Density	2.466 dB
Time Domain Measurements Using SA	3.39 %
RF Power Measurement Direct Method Using a Power Meter	0.45 dB (Ave), 1.30 dB Peak)
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.22 %
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

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, 5GNR1, 5GNR2, IEEE 802.11a/b/g/n/ac/ax/be, Bluetooth (BT), Ultra-Wideband (UWB), Global Positioning System (GPS), Near-Field Communication (NFC), Narrow-Band (NB) UNII, 802.15.4, 802.15.4ab-Narrow Band (NB), Wireless Power Transfer (WPT RX only) and Mobile Satellite Service (MSS) technologies. The rechargeable battery is not user accessible.

6.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum conducted output power as follows:

Antenna	Configuration	Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
ANT 4	High Power	2405 - 2475	802.15.4	20.56	113.76
	Low Power			8.02	6.34
ANT 3	High Power			20.53	112.98
	Low Power			6.35	4.32

6.3. DESCRIPTION OF AVAILABLE ANTENNAS AND CABLE LOSS

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

Frequency Range (GHz)	Antenna Type	Antenna Peak Gain		Cable Loss	
		ANT 4 (dBi)	ANT 3 (dBi)	ANT 4 (dB)	ANT 3 (dB)
2.4	IFA	0.50	-1.00	1.63	1.75

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 and software installed during testing were 24A343.

6.5. WORST-CASE CONFIGURATION AND MODE

The EUT was investigated in three orthogonal orientations X, Y and Z on ANT 4, and ANT 3. It was determined that X (Flatbed) was the worst-case orientation for ANT 4 and ANT 3.

Radiated band edge, harmonic, and spurious emissions from 1GHz to 18GHz were performed with the EUT was set to transmit at highest power on Low/Middle/High channels.

Radiated emissions below 1GHz, 18-26GHz and power line conducted emissions were performed with the EUT transmits at the channel with the highest output power as worst-case scenario. There were no emissions found below 30MHz within 20dB of the limit.

For 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.

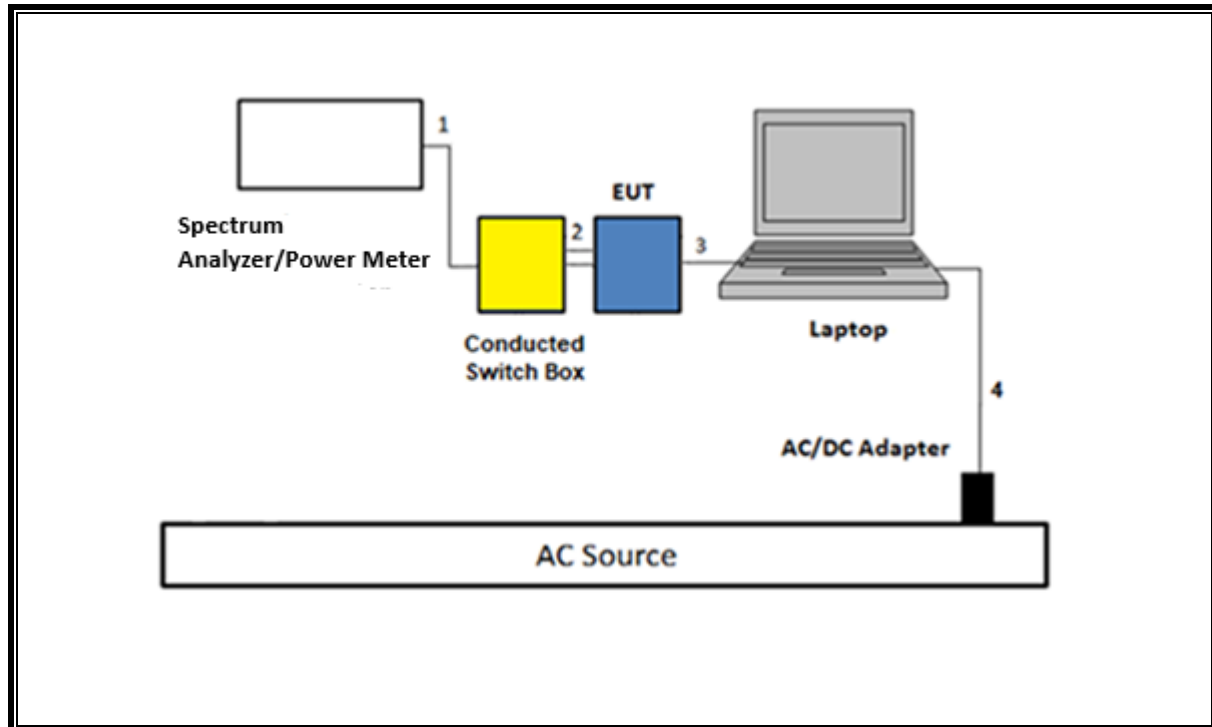
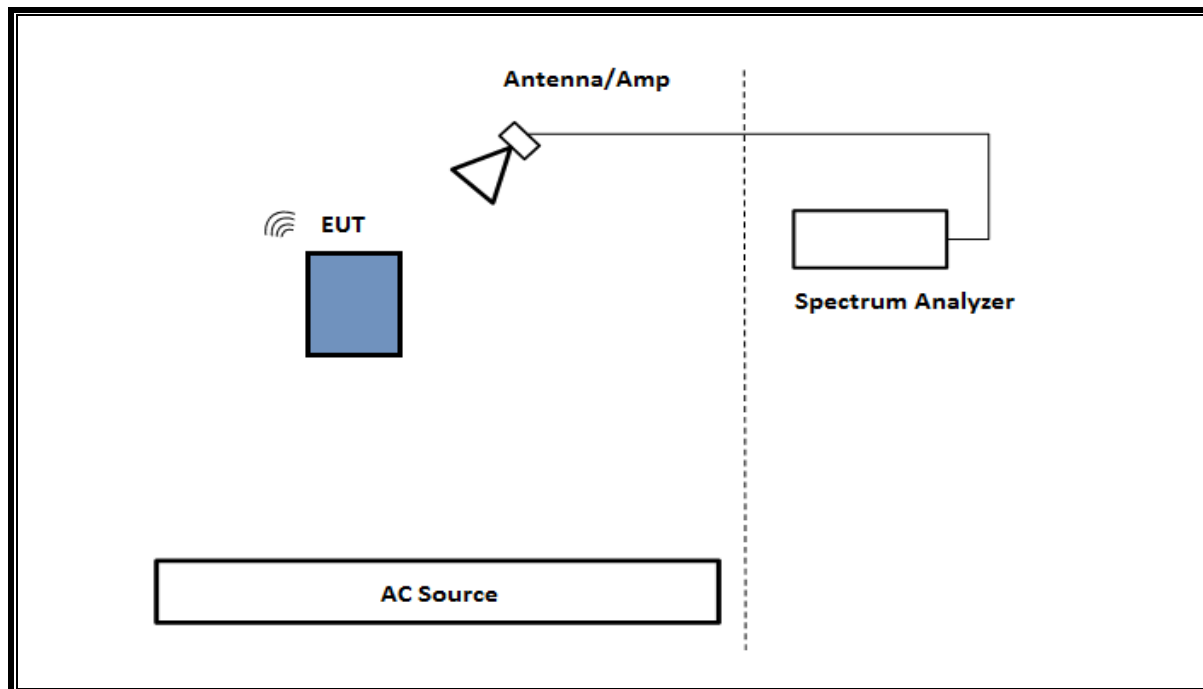
All simultaneous transmission combinations have been investigated, and no signal emissions were observed.

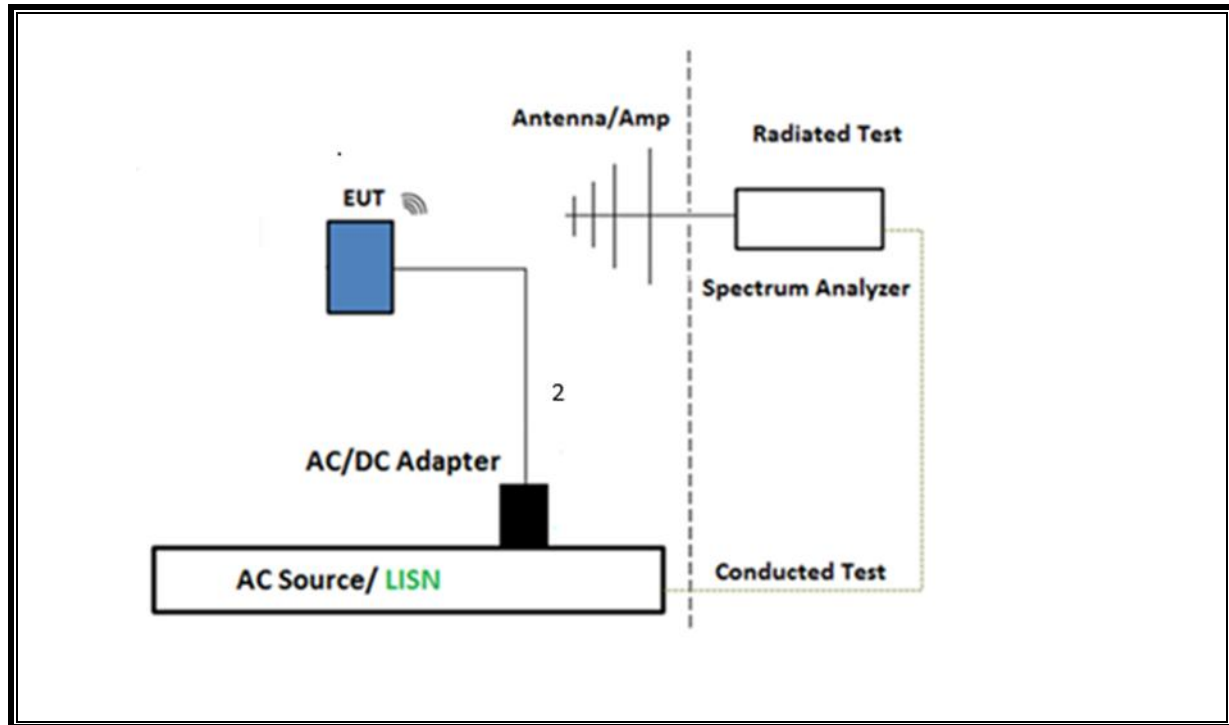
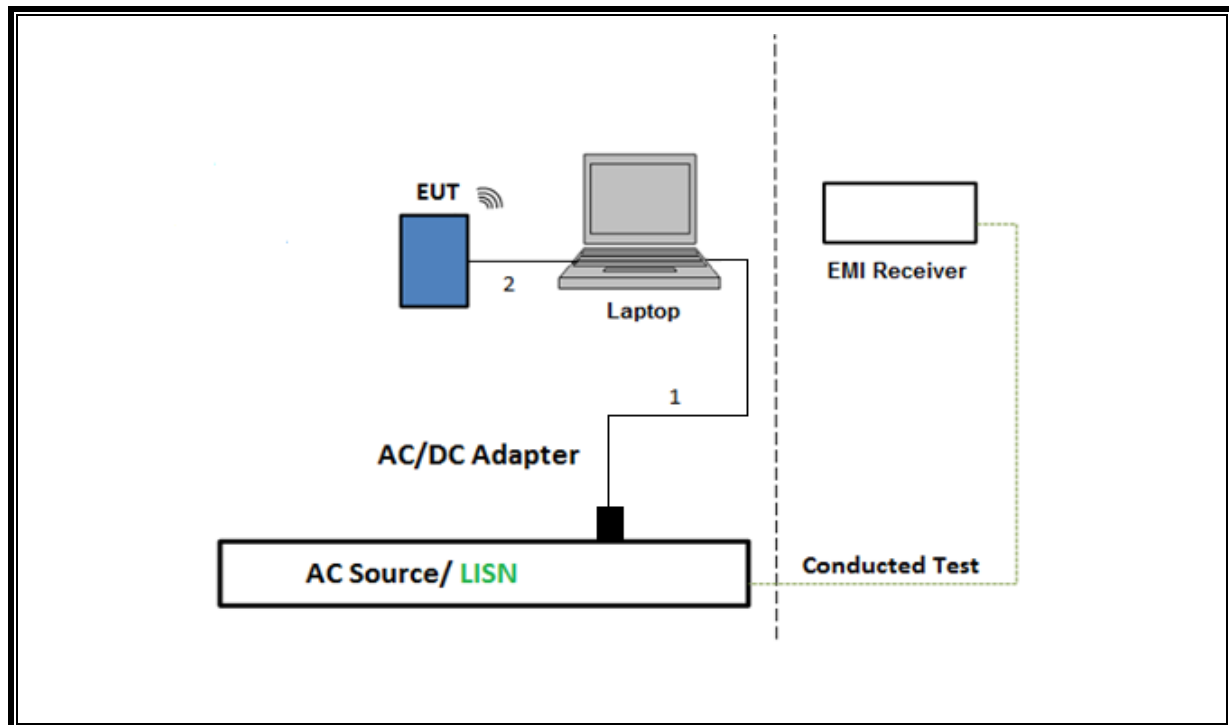
6.6. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number		FCC ID/ DoC
Laptop		Apple	Macbook Pro	JT2J32695Y		BCGA1708
Laptop AC/DC adapter		Liteon Technology	A2452	C4H206702PRQ41CAH		DoC
EUT AC/DC adapter		Apple	A1720	F16334402P626MKAK		DoC
RF Device, Switch (Conducted Switch Box)		UL	n/a	245783		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 the spectrum Analyzer
2	Antenna	2	SMA	Un-shielded	0.2	To Conducted Switch Box
3	USB-C	1	USB-C	Shield	1.0	N/A
4	DC	1	DC	Un-shielded	2.0	N/A
I/O CABLES (RF RADIATED AND AC LINE CONDUCTED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	AC	1	AC	Un-shielded	2	N/A
2	USB	1	USB	Shielded	1	N/A

TEST SETUP

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

SETUP DIAGRAM FOR CONDUCTED TESTS**SETUP DIAGRAM FOR RADIATED TESTS Above 1 GHz (1 to 26GHz)**

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

7. TEST AND MEASUREMENT EQUIPMENT

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

TEST EQUIPMENT LIST				
Description	Manufacturer	Model	ID Num	Cal Due
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	80402	2026-08-31
RF Filter Box, 1-18GHz	UL-FR1	Frankenstein, 1 Amp, 12 Port	231874	2026-06-29
EMI Test Receiver	Rohde & Schwarz	ESW44	169933	2027-02-28
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	206805	2026-08-31
RF Filter Box, 1-18GHz	UL-FR1	RATS 2.0, 1 Amp, 17 Port	226710	2026-05-31*
EMI Test Receiver	Rohde & Schwarz	ESW44	223459	2027-02-28
Antenna, Horn 18-26.5GHz	A.R.A.	MWH-1826/B	172363	2027-05-31
Amplifier Assembly, 18-26.5GHz, 60dB Gain	AMPLICAL	AMP18G26.5-60	171580	2026-05-31*
EMI Test Receiver	Rohde & Schwarz	ESW44	223460	2027-02-28
Antenna, Broadband Hybrid, 30MHz to 3GHz	Sunol Sciences Corp.	JB3	202329	2027-04-30
EMI Test Receiver	Rohde & Schwarz	ESW44	245268	2027-02-28
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO-METRICS	EM-6871	170013	2026-09-30
Antenna, Passive Loop 100KHz - 30MHz	ELECTRO-METRICS	EM-6872	170015	2026-09-30
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	85214	2027-01-31
Power Meter, P-series single channel	Keysight Technologies Inc	N1911A	82174	2027-01-31
Power Sensor, P - series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1912A	259286	2027-01-31
RF Device, Switch (Conducted Switch Box)	UL	CSB	245783	2027-01-31

AC Line Conducted				
Description	Manufacturer	Model	ID Num	Cal Due
EMI Test Receiver 9kHz-3.6GHz	Rohde & Schwarz	ESR	171646	2027-03-31
LISN for Conducted Emissions CISPR-16	Fischer Custom Communications	FCC-LISN-50/250-25-2-01-480V	175765	2027-01-31
Transient Limiter	TE	TBFL1	207996	2026-12-31
UL AUTOMATION SOFTWARE				
Radiated Software	UL	UL EMC	Ver 9.5, Aug 25, 2025	
Conducted Software	UL	Station Tool	Ver 2025.12.2 Ver 2026.5.1	
AC Line Conducted Software	UL	UL EMC	Ver 9.5, Aug 25, 2025	

*Testing is completed before equipment calibration due date.

8. ANTENNA PORT TEST RESULTS

8.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

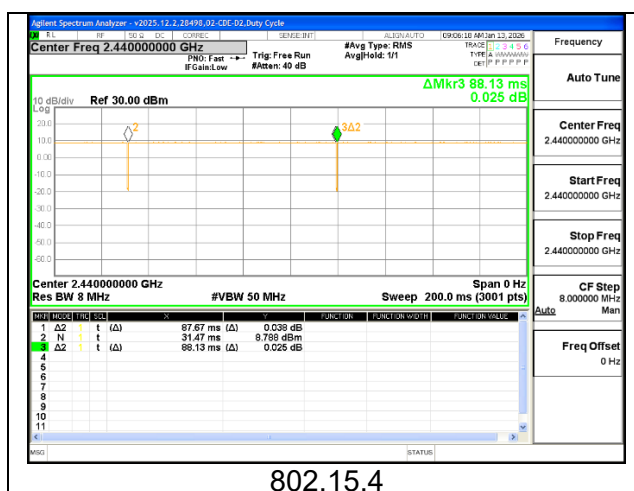
PROCEDURE

ANSI C63.10, Subclause 11.6.

ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time T (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)
2.4GHz Band						
802.15.4, 2440MHz	87.67	88.13	0.995	99.48	0.00	0.010

DUTY CYCLE PLOT



8.2. 99% BANDWIDTH LIMITS

None; for reporting purposes only.

TEST PROCEDURE

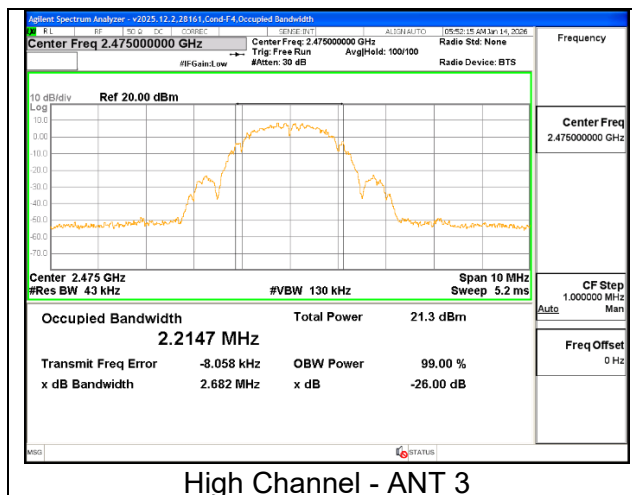
ANSI C63.10, Subclause - 6.9.3.

RESULTS

Only High-Power modes results are reported, it covers all Low Power modes.

802.15.4	Frequency (MHz)	Channel Number	99% Bandwidth (MHz)	
			ANT 4	ANT 3
High Power	2405	Low	2.1988	2.1975
	2440	Mid	2.2120	2.2093
	2475	High	2.2048	2.2147

WORST MAXIMUM PLOTS



8.3. 6dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

RSS-247 6.3.1 (a)

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

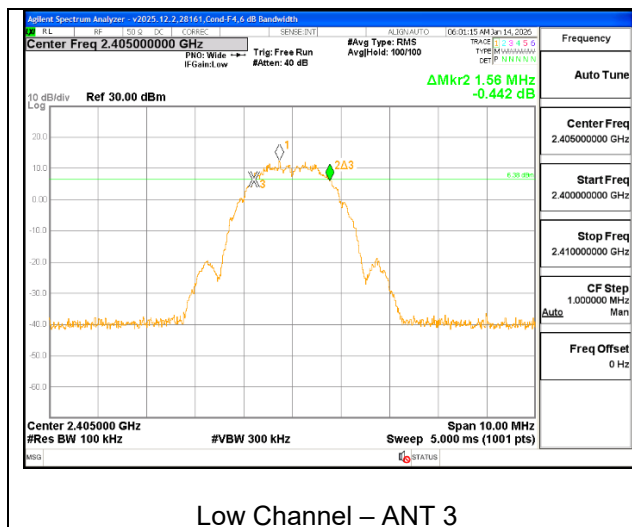
TEST PROCEDURE

ANSI C63.10 Subclause - 11.8.1 Option 1

RESULTS

802.15.4	Frequency (MHz)	Channel Number	6dB Bandwidth (MHz)	
			ANT 4	ANT 3
High Power	2405	Low	1.61	1.56
	2440	Mid	1.59	1.60
	2475	High	1.58	1.60

WORST MINIMUM PLOT



8.4. OUTPUT POWER AND POWER SPECTRAL DENSITY

LIMITS

FCC §15.247 (b) (3) & (e)

RSS-247 6.3.2 & 6.3.1 (b)

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt, based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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.

TEST PROCEDURE

Conducted Output Power: ANSI C63.10 Subclause - 11.9.1.2 Method PKPM1 (Peak-reading power meter)

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

DIRECTIONAL ANTENNA GAIN

For 1 TX:

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

RESULTS

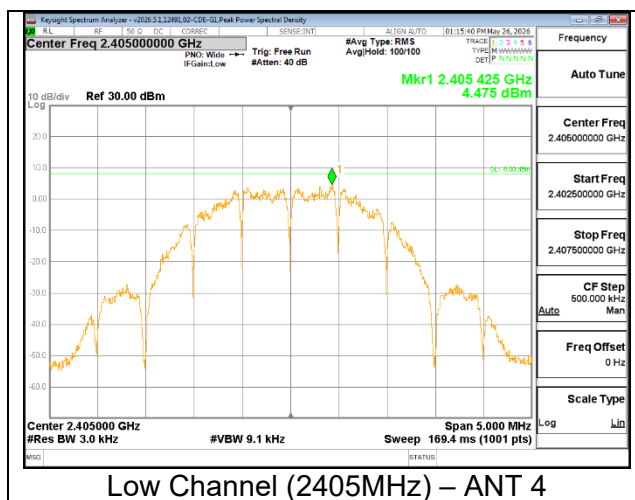
Only the worst-case margin plot is reported to show the analyzer's settings.

Note: RBW setting is 3kHz or greater on PSD measurement

2.4G Thread	
Ant 4 (dBi)	0.5
Ant 3 (dBi)	-1.0

2.4G	Power Config.	Freq (MHz)	Ch. #	Power Limit (dBm)		Output Power (dBm)		PSD Limit (dBm/3kHz)		PSD (dBm/kHz)	
				Ant4	Ant3	Ant4	Ant3	Ant4	Ant3	Ant4	Ant3
Thread	High	2405	Low	30	30	20.56	20.53	8	8	4.475	4.413
		2440	Mid			20.47	20.45			4.407	4.076
		2475	High			20.46	20.32			4.077	4.199
	Low	2405	Low			8.02	6.35			-8.650	-10.120
		2440	Mid			8.02	6.23			-8.831	-10.066
		2475	High			7.89	6.35			-8.358	-10.213

Worst-Case Plot:



8.5. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

ANSI C63.10 Subclause - 11.9.2.3.2 Method AVGPM G (Measurement using an RF average-reading power meter)

RESULTS

2.4G	Power Config.	Freq (MHz)	Ch. #	Average Power (Gated) (dBm)	
				Ant 4	Ant 3
Thread	High	2405	Low	19.98	19.98
		2440	Mid	19.96	19.96
		2475	High	19.97	19.94
	Low	2405	Low	7.47	5.74
		2440	Mid	7.48	5.71
		2475	High	7.49	5.73

8.6. CONDUCTED SPURIOUS EMISSIONS

LIMITS

FCC §15.247 (d)

RSS-247 6.6

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

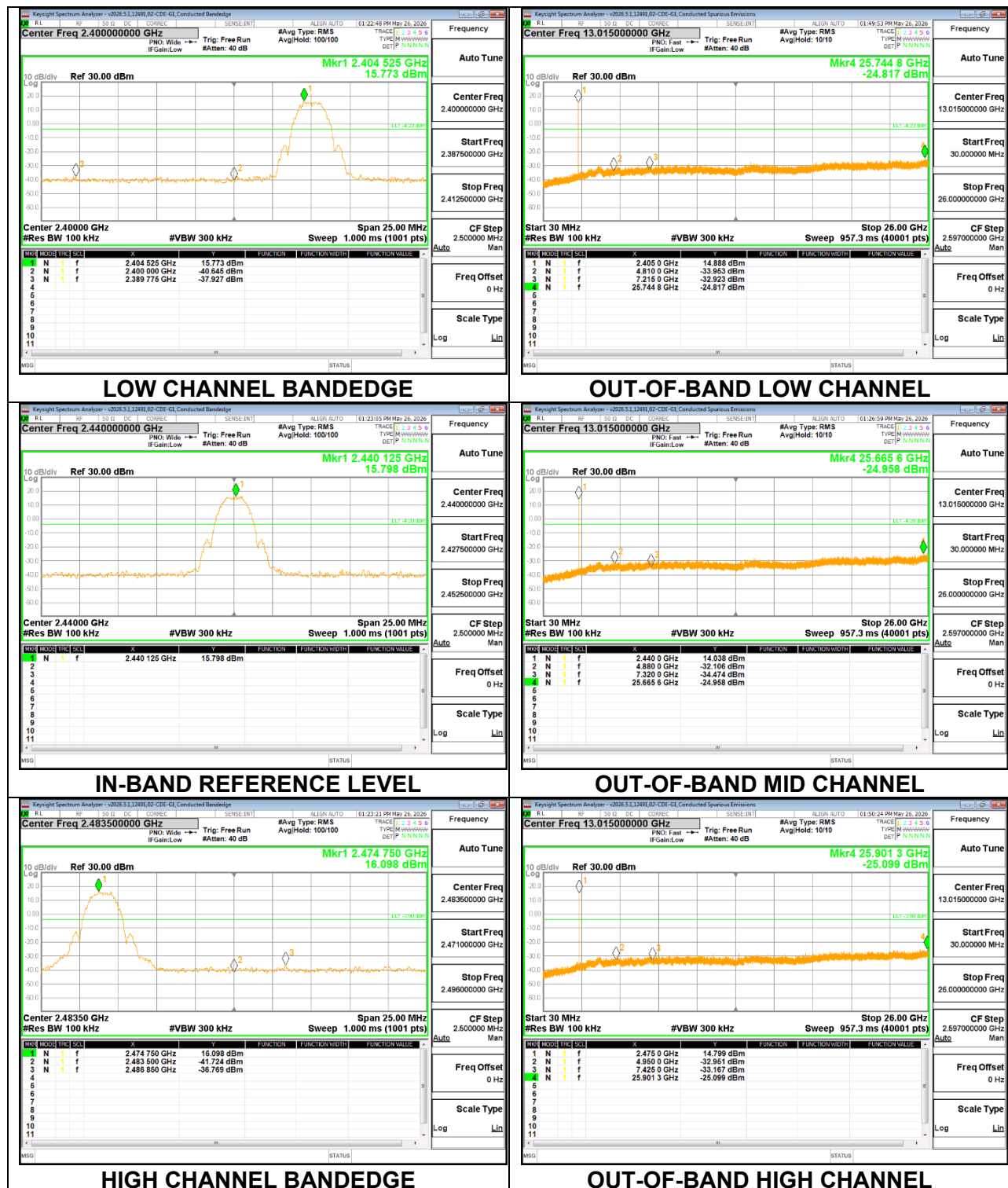
TEST PROCEDURE

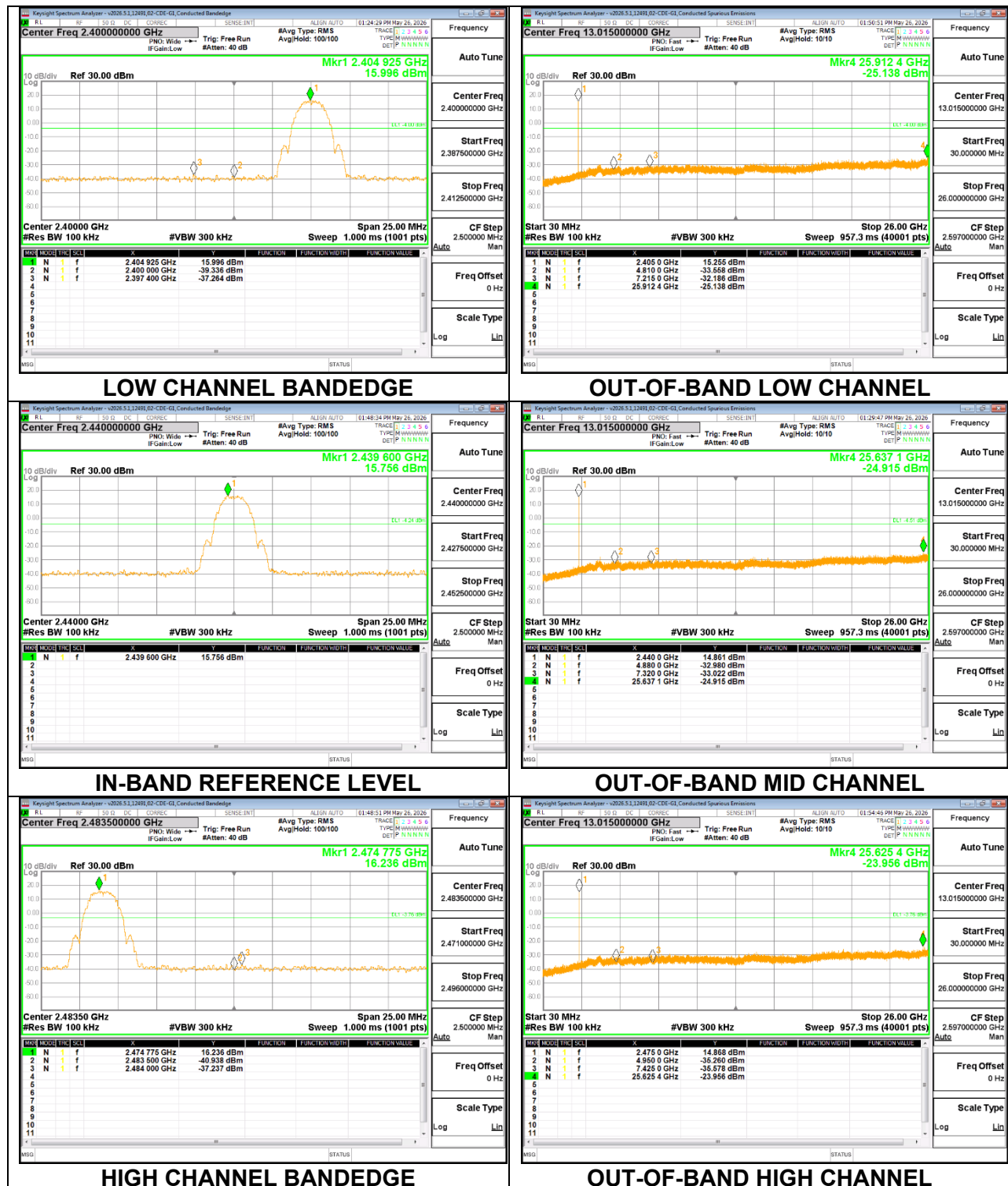
ANSI C63.10 Subclause - 11.12.2

RESULTS

8.6.1. HIGH POWER

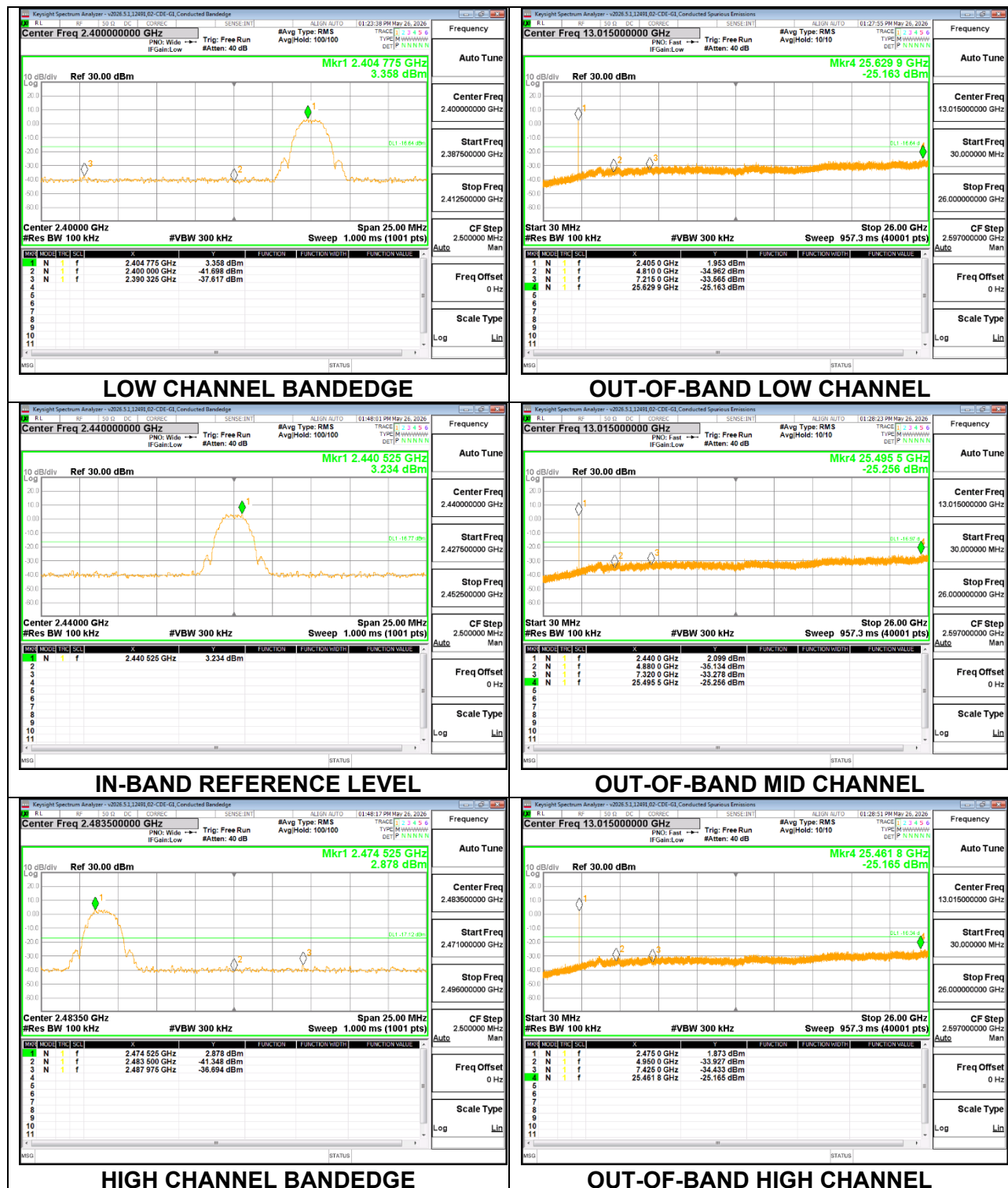
ANT 4

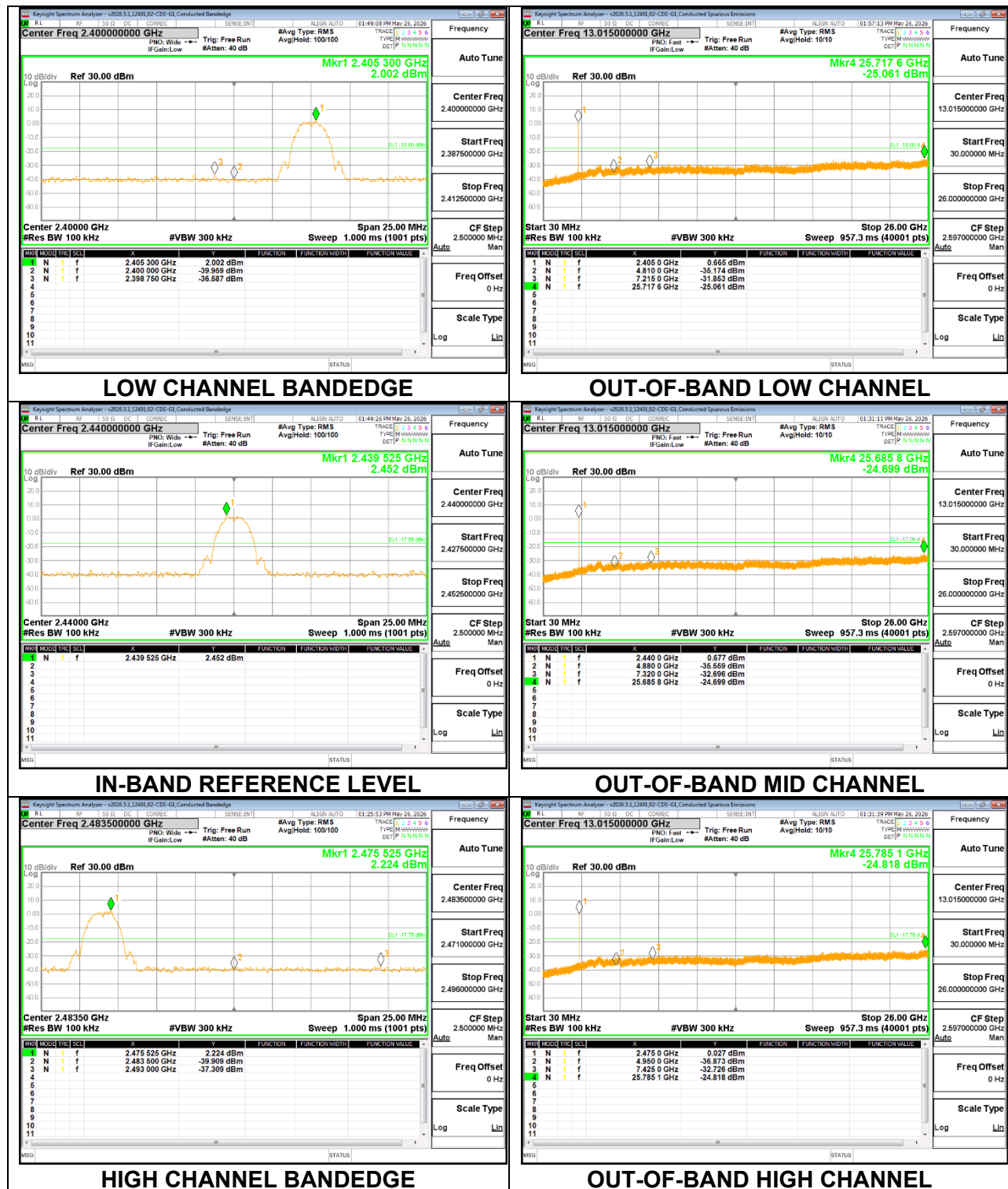


ANT 3

8.6.2. LOW POWER

ANT 4



ANT 3

9. RADIATED TEST RESULTS

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

Radiated emissions non-restricted frequency bands	ANSI C63.10 Subclause -11.11 and 13
Radiated emissions restricted frequency bands	ANSI C63.10 Subclause -11.12.1 and 13
Band-edge	ANSI C63.10 Subclause -11.12.2.4 and 13: Peak Measurement
Band-edge	ANSI C63.10 Subclause -11.12.2.5 and 13: Average Measurement
Radiated Spurious Emissions Below 30MHz	ANSI C63.10 Subclause 6.4 and 13

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 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.

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

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

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

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

RESULTS

The plots in these sections are for reference settings only for different bandwidths and different antennas.

9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. LOW BANDEGE

2.4GHz (Thread)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl /Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
High Power	2405	4	* 2.39	60.57	Pk	28.4	-40.4	0	48.57	-	-	74	-25.43	40	125	H
			* 2.37377	64.11	Pk	28.4	-40.4	0	52.11	-	-	74	-21.89	40	125	H
			* 2.39	49.75	RMS	28.4	-40.4	0	37.75	54	-16.25	-	-	40	125	H
			* 2.330902	52.64	RMS	28.2	-40.4	0	40.44	54	-13.56	-	-	40	125	H
			* 2.317249	64	Pk	28.2	-40.4	0	51.8	-	-	74	-22.2	206	373	V
			* 2.36786	51.26	RMS	28.3	-40.4	0	39.16	54	-14.84	-	-	206	373	V
			* 2.39	60.14	Pk	28.4	-40.4	0	48.14	-	-	74	-25.86	206	373	V
		3	* 2.39	49.84	RMS	28.4	-40.4	0	37.84	54	-16.16	-	-	206	373	V
			* 2.39	61.58	Pk	28.4	-40.4	0	49.58	-	-	74	-24.42	225	105	H
			* 2.315051	64.72	Pk	28.2	-40.49	0	52.43	-	-	74	-21.57	225	105	H
			* 2.39	50.1	RMS	28.4	-40.4	0	38.1	54	-15.9	-	-	225	105	H
			* 2.330713	52.47	RMS	28.2	-40.4	0	40.27	54	-13.73	-	-	225	105	H
			* 2.330771	51.74	RMS	28.2	-40.4	0	39.54	54	-14.46	-	-	203	400	V
			* 2.371543	63.33	Pk	28.4	-40.4	0	51.33	-	-	74	-22.67	203	400	V
			* 2.39	60.44	Pk	28.4	-40.4	0	48.44	-	-	74	-25.56	203	400	V
			* 2.39	49.91	RMS	28.4	-40.4	0	37.91	54	-16.09	-	-	203	400	V
Low Power	2405	4	* 2.39	61.25	Pk	28.4	-40.4	0	49.25	-	-	74	-24.75	223	104	H
			* 2.386535	63.2	Pk	28.4	-40.4	0	51.2	-	-	74	-22.8	223	104	H
			* 2.39	49.96	RMS	28.4	-40.4	0	37.96	54	-16.04	-	-	223	104	H
			* 2.385356	50.99	RMS	28.4	-40.4	0	38.99	54	-15.01	-	-	223	104	H
			* 2.39	60.88	Pk	28.4	-40.4	0	48.88	-	-	74	-25.12	11	325	V
			* 2.377016	63.08	Pk	28.4	-40.4	0	51.08	-	-	74	-22.92	11	325	V
			* 2.39	50.05	RMS	28.4	-40.4	0	38.05	54	-15.95	-	-	11	325	V
		3	* 2.369971	51.09	RMS	28.3	-40.4	0	38.99	54	-15.01	-	-	11	325	V
			* 2.39	61.09	Pk	28.4	-40.4	0	49.09	-	-	74	-24.91	324	170	H
			* 2.380349	63.26	Pk	28.4	-40.4	0	51.26	-	-	74	-22.74	324	170	H
			* 2.39	49.84	RMS	28.4	-40.4	0	37.84	54	-16.16	-	-	324	170	H
			* 2.360582	51.1	RMS	28.3	-40.4	0	39	54	-15	-	-	324	170	H
			* 2.3177	51.31	RMS	28.2	-40.4	0	39.11	54	-14.89	-	-	326	307	V
			* 2.334367	63.16	Pk	28.3	-40.4	0	51.06	-	-	74	-22.94	326	307	V
			* 2.39	61.32	Pk	28.4	-40.4	0	49.32	-	-	74	-24.68	326	307	V
			* 2.39	49.91	RMS	28.4	-40.4	0	37.91	54	-16.09	-	-	326	307	V

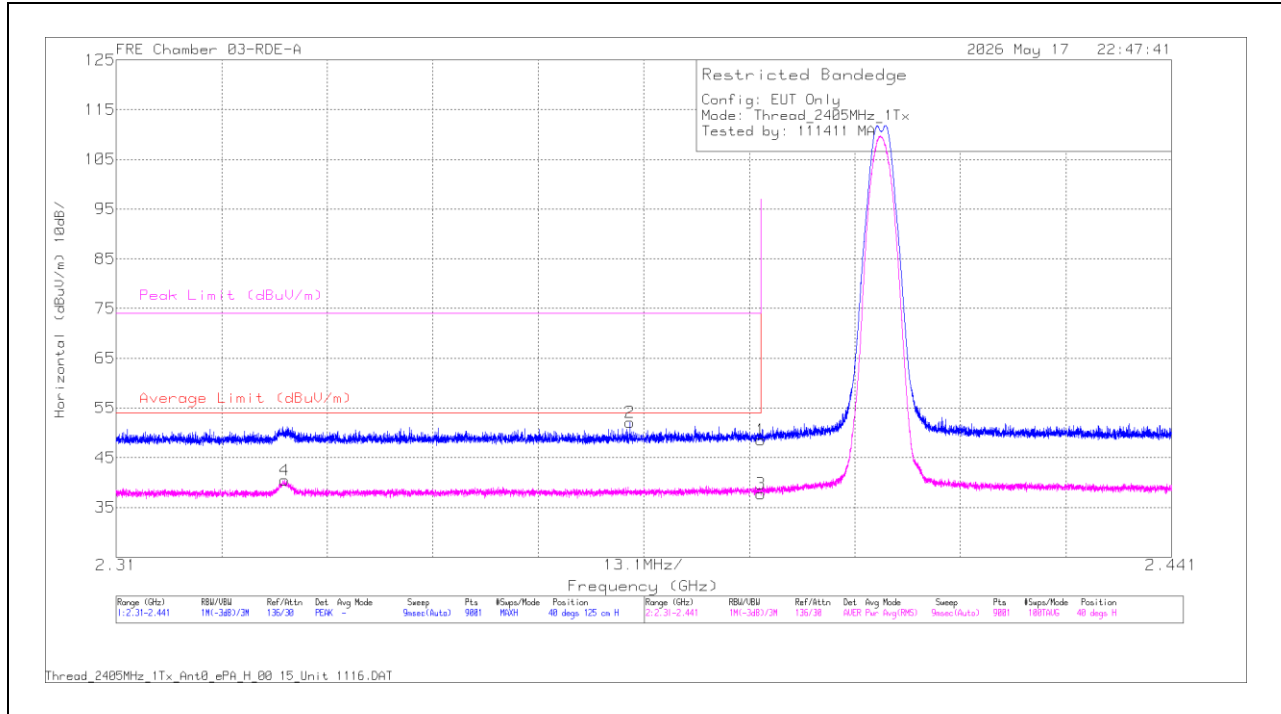
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

WORST-CASE LOW BANDEDGE HIGH POWER / ANT 4:

HORIZONTAL / VERTICAL RESULT



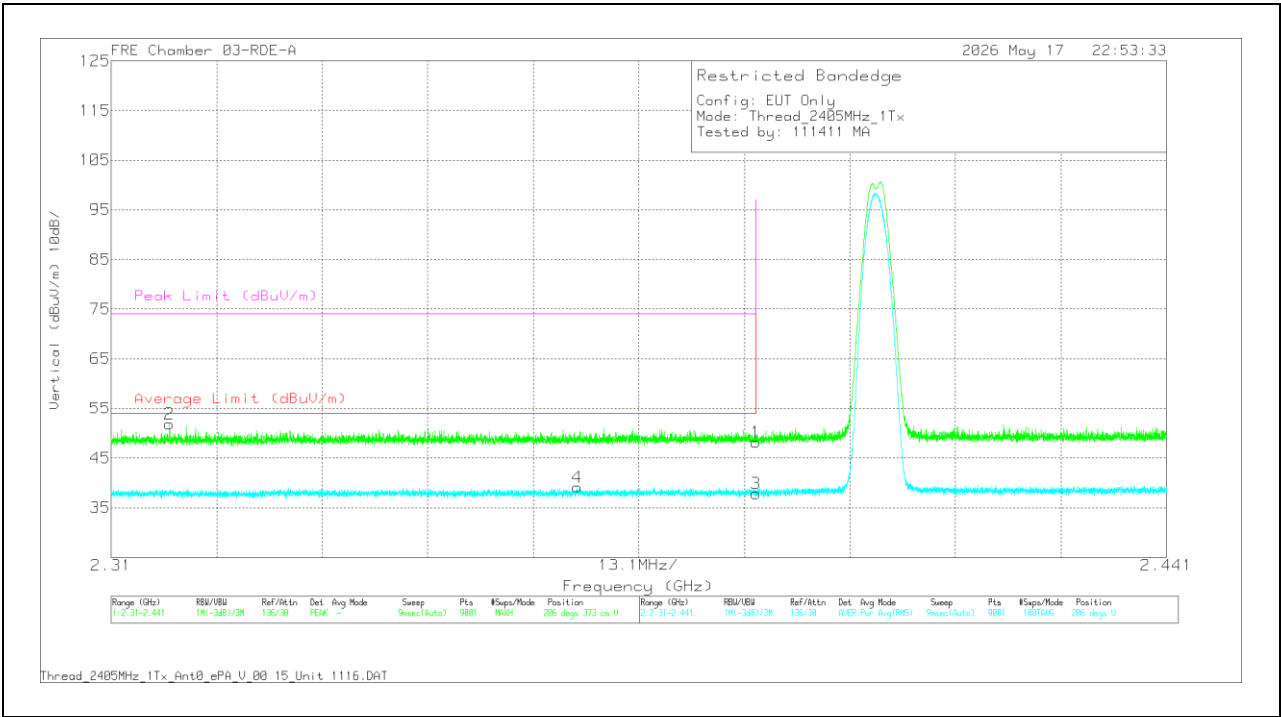
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80-402 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.57	Pk	28.4	0	-40.4	48.57	-	-	74	-25.43	40	125	H
2	* 2.37377	64.11	Pk	28.4	0	-40.4	52.11	-	-	74	-21.89	40	125	H
3	* 2.39	49.75	RMS	28.4	0	-40.4	37.75	54	-16.25	-	-	40	125	H
4	* 2.330902	52.64	RMS	28.2	0	-40.4	40.44	54	-13.56	-	-	40	125	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80402 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
2	* 2.317249	64	Pk	28.2	0	-40.4	51.8	-	-	74	-22.2	206	373	V
4	* 2.36786	51.26	RMS	28.3	0	-40.4	39.16	54	-14.84	-	-	206	373	V
1	* 2.39	60.14	Pk	28.4	0	-40.4	48.14	-	-	74	-25.86	206	373	V
3	* 2.39	49.84	RMS	28.4	0	-40.4	37.84	54	-16.16	-	-	206	373	V

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

9.1.2. HIGH BANDEDGE

2.4GHz (Thread)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl /Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
High Power	2475	4	* 2.4835	61.53	Pk	29	-40.1	0	50.43	-	-	74	-23.57	40	232	H
			* 2.4835	50.66	RMS	29	-40.1	0	39.56	54	-14.44	-	-	40	232	H
			2.533642	63.4	Pk	29.3	-40	0	52.7	-	-	74	-21.3	40	232	H
			2.556511	51.03	RMS	29.4	-39.9	0	40.53	54	-13.47	-	-	40	232	H
			* 2.4835	60.35	Pk	29	-40.1	0	49.25	-	-	74	-24.75	202	297	V
			* 2.4835	50	RMS	29	-40.1	0	38.9	54	-15.1	-	-	202	297	V
			2.55056	63.01	Pk	29.4	-40	0	52.41	-	-	74	-21.59	202	297	V
			2.562164	51.14	RMS	29.5	-39.9	0	40.74	54	-13.26	-	-	202	297	V
		3	* 2.4835	61.68	Pk	29	-40.1	0	50.58	-	-	74	-23.42	227	144	H
			* 2.4835	50.98	RMS	29	-40.1	0	39.88	54	-14.12	-	-	227	144	H
			* 2.483945	51.67	RMS	29	-40.1	0	40.57	54	-13.43	-	-	227	144	H
			2.550492	63.3	Pk	29.4	-40	0	52.7	-	-	74	-21.3	227	144	H
			* 2.4835	60.43	Pk	29	-40.1	0	49.33	-	-	74	-24.67	243	373	V
			* 2.4835	50.34	RMS	29	-40.1	0	39.24	54	-14.76	-	-	243	373	V
			2.546845	63.29	Pk	29.4	-40	0	52.69	-	-	74	-21.31	243	373	V
			2.561825	50.99	RMS	29.5	-39.92	0	40.57	54	-13.43	-	-	243	373	V
Low Power	2475	4	* 2.4835	60.88	Pk	29	-40.1	0	49.78	-	-	74	-24.22	221	144	H
			* 2.4835	50.09	RMS	29	-40.1	0	38.99	54	-15.01	-	-	221	144	H
			2.549597	51.04	RMS	29.4	-40	0	40.44	54	-13.56	-	-	221	144	H
			2.552579	62.86	Pk	29.4	-40	0	52.26	-	-	74	-21.74	221	144	H
			* 2.4835	61.13	Pk	29	-40.1	0	50.03	-	-	74	-23.97	35	309	V
			* 2.4835	49.65	RMS	29	-40.1	0	38.55	54	-15.45	-	-	35	309	V
			2.50859	63.71	Pk	29.1	-40	0	52.81	-	-	74	-21.19	35	309	V
			2.562326	50.75	RMS	29.5	-39.9	0	40.35	54	-13.65	-	-	35	309	V
		3	* 2.4835	61.81	Pk	29	-40.1	0	50.71	-	-	74	-23.29	46	231	H
			* 2.485125	63.65	Pk	29	-40.1	0	52.55	-	-	74	-21.45	46	231	H
			* 2.4835	49.68	RMS	29	-40.1	0	38.58	54	-15.42	-	-	46	231	H
			2.551495	51.01	RMS	29.4	-40	0	40.41	54	-13.59	-	-	46	231	H
			* 2.4835	61.18	Pk	29	-40.1	0	50.08	-	-	74	-23.92	23	373	V
			* 2.4835	49.51	RMS	29	-40.1	0	38.41	54	-15.59	-	-	23	373	V
			2.536963	63.5	Pk	29.3	-40	0	52.8	-	-	74	-21.2	23	373	V
			2.542602	50.93	RMS	29.4	-40	0	40.33	54	-13.67	-	-	23	373	V

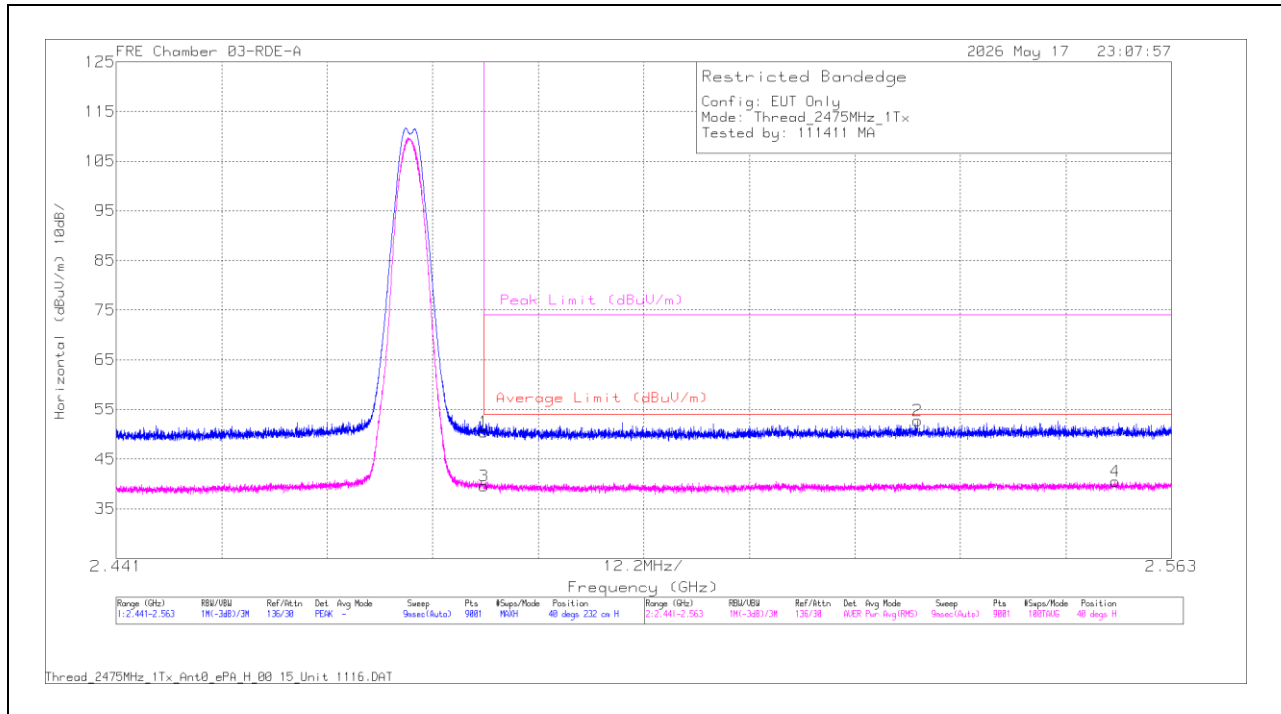
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

WORST-CASE HIGH BANDEDGE HIGH POWER / ANT 4 :

HORIZONTAL / VERTICAL RESULT



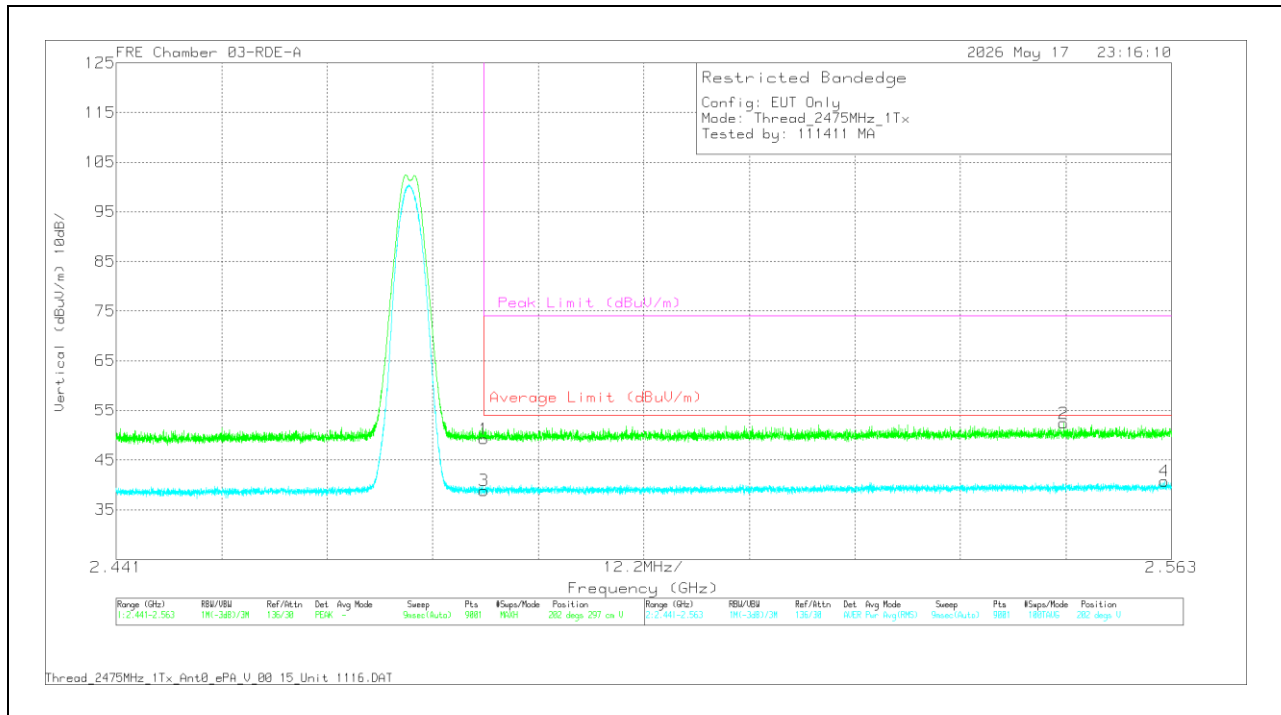
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80402 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.4835	61.53	PK	29	0	-40.1	50.43	-	-	74	-23.57	40	232	H
3	* 2.4835	50.66	RMS	29	0	-40.1	39.56	54	-14.44	-	-	40	232	H
2	2.539642	63.4	PK	29.3	0	-40	52.7	-	-	74	-21.3	40	232	H
4	2.596511	51.03	RMS	29.4	0	-39.9	40.53	54	-13.47	-	-	40	232	H

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

PK - Peak detector

RMS - RMS detection



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80402 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.35	PK	29	0	-40.1	49.25	-	-	74	-24.75	202	297	V
3	* 2.4835	50	RMS	29	0	-40.1	38.9	54	-15.1	-	-	202	297	V
2	2.55056	63.01	PK	29.4	0	-40	52.41	-	-	74	-21.59	202	297	V
4	2.562164	51.14	RMS	29.5	0	-39.9	40.74	54	-13.26	-	-	202	297	V

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

PK - Peak detector

RMS - RMS detection

9.1.3. SPURIOUS EMISSIONS

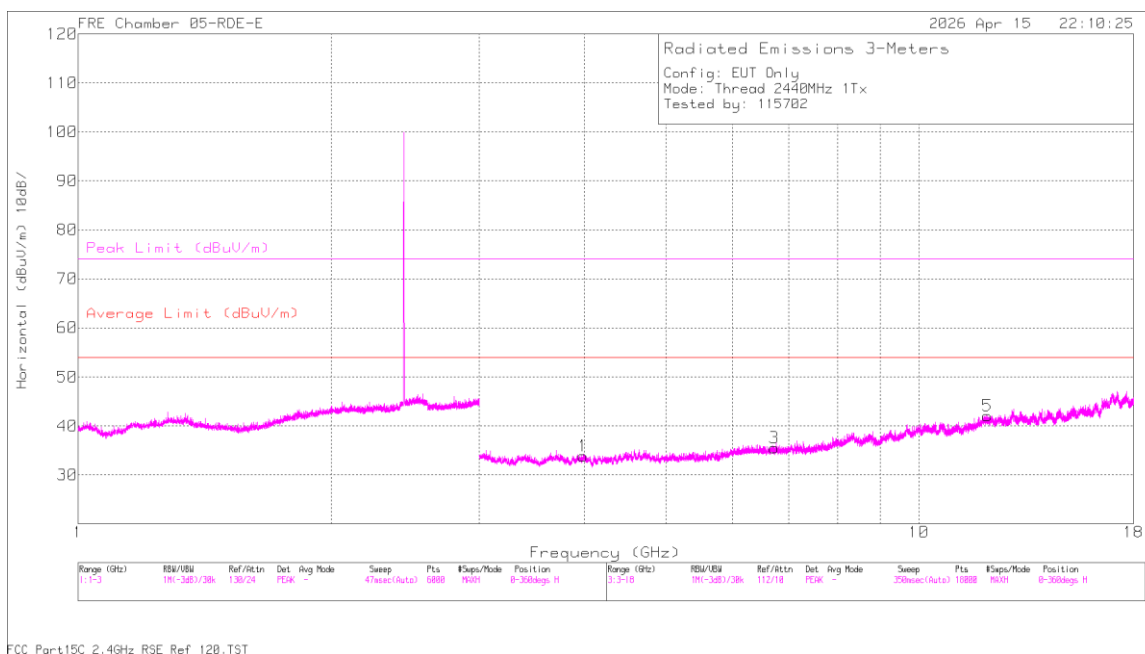
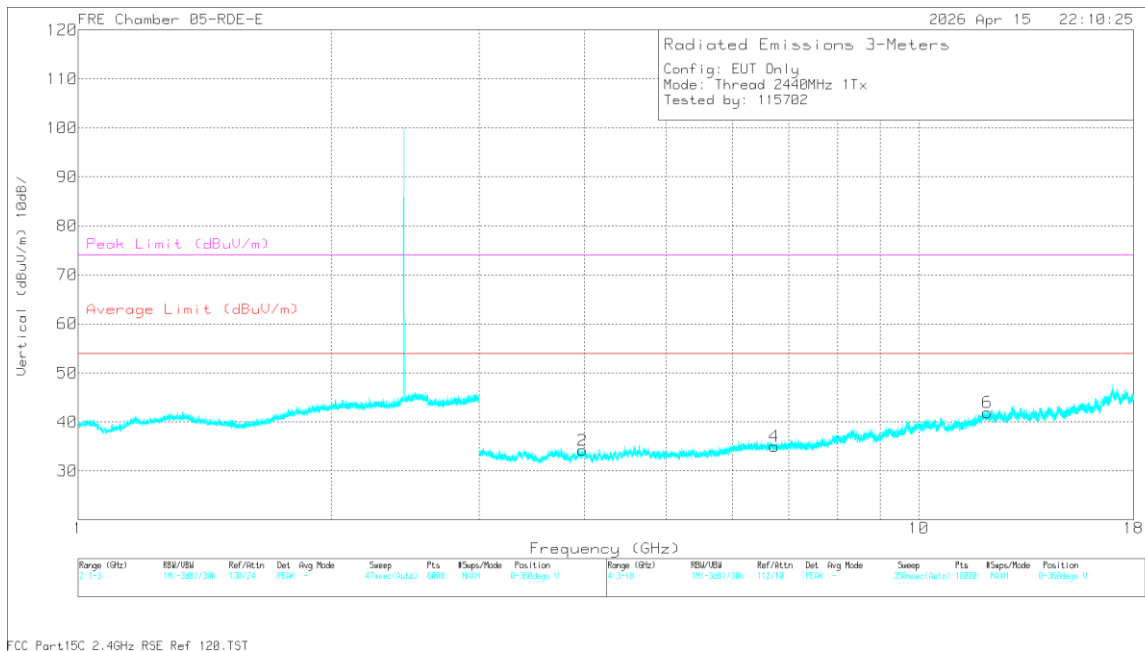
2.4 GHz (Thread)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
High Power	2405	4	* 1.295161	48.74	MAV1	29.1	-39.6	0	38.24	54	-15.76	-	-	0	100	H
			* 1.321501	60.44	PK2	28.9	-39.6	0	49.74	-	-	74	-24.26	0	100	H
			* 1.303607	48.79	MAV1	29	-39.6	0	38.19	54	-15.81	-	-	0	100	V
			* 1.297601	61.23	PK2	29.1	-39.6	0	50.73	-	-	74	-23.27	0	100	V
			* 4.056268	45.14	MAV1	33.4	-46	0	32.54	54	-21.46	-	-	0	100	H
			* 4.056161	56.44	PK2	33.4	-46	0	43.84	-	-	74	-30.16	0	100	H
			* 4.057417	45.19	MAV1	33.4	-46	0	32.59	54	-21.41	-	-	0	100	V
			* 4.043128	56.75	PK2	33.4	-46	0	44.15	-	-	74	-29.85	0	100	V
			* 11.815759	39.67	MAV1	38.5	-39.7	0	38.47	54	-15.53	-	-	0	100	H
			* 11.794808	51.32	PK2	38.5	-39.6	0	50.22	-	-	74	-23.78	0	100	H
			* 11.778964	39.74	MAV1	38.5	-39.7	0	38.54	54	-15.46	-	-	0	100	V
			* 11.79459	51.01	PK2	38.5	-39.6	0	49.91	-	-	74	-24.09	0	100	V
		3	* 3.981472	44.35	MAV1	33.5	-45.4	0	32.45	54	-21.55	-	-	360	101	H
			* 3.982152	55.89	PK2	33.5	-45.4	0	43.99	-	-	74	-30.01	360	101	H
			* 3.985875	44.13	MAV1	33.5	-45.4	0	32.23	54	-21.77	-	-	360	101	V
			* 3.990119	55.62	PK2	33.5	-45.4	0	43.72	-	-	74	-30.28	360	101	V
			6.525991	42.6	MAV1	35.6	-44.5	0	33.7	-	-	-	-	360	199	H
			6.534413	54.35	PK2	35.6	-44.5	0	45.45	-	-	-	-	360	199	H
			6.494721	42.73	MAV1	35.6	-44.57	0	33.76	-	-	-	-	360	101	V
			6.511241	54.3	PK2	35.6	-44.6	0	45.3	-	-	-	-	360	101	V
			* 11.983898	41.99	MAV1	39	-41.2	0	39.79	54	-14.21	-	-	360	199	H
			* 11.9728	53.62	PK2	39	-40.92	0	51.7	-	-	74	-22.3	360	199	H
			* 11.982935	42.07	MAV1	39	-41.19	0	39.88	54	-14.12	-	-	360	200	V
			* 11.973944	53.6	PK2	39	-40.9	0	51.7	-	-	74	-22.3	360	200	V
	2440	4	1.932036	47.3	MAV1	31.1	-37.2	0	41.2	-	-	-	-	360	101	H
			1.896909	59.21	PK2	30.9	-37.1	0	53.01	-	-	-	-	360	101	H
			1.93165	47.3	MAV1	31.1	-37.16	0	41.24	-	-	-	-	360	101	V
			1.93033	59.32	PK2	31.1	-37.1	0	53.32	-	-	-	-	360	101	V
			6.070735	42.41	MAV1	35.5	-44.2	0	33.71	-	-	-	-	360	200	H
			9.918579	54.8	PK2	37.5	-42	0	50.3	-	-	-	-	360	101	H
			6.077013	42.38	MAV1	35.5	-44.1	0	33.78	-	-	-	-	360	200	V
			6.082786	54.18	PK2	35.5	-44.1	0	45.58	-	-	-	-	360	200	V
			9.935837	42.31	MAV1	37.5	-41.88	0	37.93	-	-	-	-	360	101	H
			9.918579	54.8	PK2	37.5	-42	0	50.3	-	-	-	-	360	101	H
			9.935941	42.27	MAV1	37.5	-41.89	0	37.88	-	-	-	-	360	101	V
			9.93899	54.66	PK2	37.5	-41.9	0	50.26	-	-	-	-	360	101	V
		3	* 3.983555	44.24	MAV1	33.5	-45.4	0	32.34	54	-21.66	-	-	360	101	H
			* 3.994057	55.75	PK2	33.5	-45.3	0	43.95	-	-	74	-30.05	360	101	H
			* 3.986637	44.32	MAV1	33.5	-45.4	0	32.42	54	-21.58	-	-	360	200	V
			* 3.989935	55.89	PK2	33.5	-45.4	0	43.99	-	-	74	-30.01	360	200	V
			6.748949	42.5	MAV1	35.6	-44.5	0	33.6	-	-	-	-	360	200	H
			6.734389	54.2	PK2	35.6	-44.4	0	45.4	-	-	-	-	360	200	H
			6.734209	42.97	MAV1	35.6	-44.4	0	34.17	-	-	-	-	360	200	V
			6.746893	54.61	PK2	35.6	-44.5	0	45.71	-	-	-	-	360	200	V
			* 12.070554	42.11	MAV1	39	-40.9	0	40.21	54	-13.79	-	-	360	200	H
			* 12.079141	54.05	PK2	39	-40.9	0	52.15	-	-	74	-21.85	360	200	H
			* 12.074988	42.01	MAV1	39	-41	0	40.01	54	-13.99	-	-	360	101	V
			* 12.058556	54.16	PK2	39	-40.9	0	52.26	-	-	74	-21.74	360	101	V

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

Pk - Peak detector

RMS - RMS detection

2.4 GHz (Thread)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
High Power	2475	4	* 3.984838	44.39	MAv1	33.5	-45.4	0	32.49	54	-21.51	-	-	360	200	H
			* 3.994433	55.97	PK2	33.5	-45.3	0	44.17	-	-	74	-29.83	360	200	H
			* 3.984471	44.43	MAv1	33.5	-45.4	0	32.53	54	-21.47	-	-	360	101	V
			* 4.003013	55.7	PK2	33.5	-45.2	0	44	-	-	74	-30	360	101	V
			6.5025	42.97	MAv1	35.6	-44.6	0	33.97	-	-	-	-	360	200	H
			6.48298	54.82	PK2	35.7	-44.5	0	46.02	-	-	-	-	360	200	H
			6.489042	42.94	MAv1	35.7	-44.5	0	34.14	-	-	-	-	360	200	V
			6.497269	54.92	PK2	35.6	-44.6	0	45.92	-	-	-	-	360	200	V
			* 12.031529	42.3	MAv1	39	-41.1	0	40.2	54	-13.8	-	-	360	200	H
			* 12.049151	54.46	PK2	39	-40.9	0	52.56	-	-	74	-21.44	360	200	H
			* 12.027102	42.2	MAv1	39	-41	0	40.2	54	-13.8	-	-	360	200	V
			* 12.044058	54.27	PK2	39	-41	0	52.27	-	-	74	-21.73	360	200	V
		3	* 3.9348	44.34	MAv1	33.4	0	-45.28	32.46	54	-21.54	-	-	360	101	H
			* 3.94068	56.56	PK2	33.4	0	-45.3	44.66	-	-	74	-29.34	360	101	H
			* 3.936753	43.97	MAv1	33.4	0	-45.3	32.07	54	-21.93	-	-	360	101	V
			* 3.954686	55.65	PK2	33.5	0	-45.3	43.85	-	-	74	-30.15	360	101	V
			6.327751	42.64	MAv1	35.6	0	-44.3	33.94	-	-	-	-	360	101	H
			6.344591	54.65	PK2	35.7	0	-44.4	45.95	-	-	-	-	360	101	H
			6.347606	42.69	MAv1	35.7	0	-44.4	33.99	-	-	-	-	360	101	V
			6.313211	54.37	PK2	35.6	0	-44.4	45.57	-	-	-	-	360	101	V
			* 12.155828	41.82	MAv1	39	0	-41.12	39.7	54	-14.3	-	-	360	101	H
			* 12.151788	54.88	PK2	38.9	0	-41.2	52.58	-	-	74	-21.42	360	101	H
			* 12.158081	41.83	MAv1	39	0	-41.1	39.73	54	-14.27	-	-	360	200	V
			* 12.132943	53.44	PK2	39	0	-41.1	51.34	-	-	74	-22.66	360	200	V

**WORST-CASE HARMONICS AND SPURIOUS EMISSIONS
HIGH POWER / ANT 3:****HORIZONTAL****VERTICAL**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	205805 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 12.058556	54.16	PK2	39	0	-40.9	52.26	-	-	74	-21.74	360	101	V
5	* 12.070554	42.11	MAv1	39	0	-40.9	40.21	54	-13.79	-	-	360	200	H
6	* 12.074988	42.01	MAv1	39	0	-41	40.01	54	-13.99	-	-	360	101	V
5	* 12.079141	54.05	PK2	39	0	-40.9	52.15	-	-	74	-21.85	360	200	H
1	* 3.983555	44.24	MAv1	33.5	0	-45.4	32.34	54	-21.66	-	-	360	101	H
2	* 3.986637	44.32	MAv1	33.5	0	-45.4	32.42	54	-21.58	-	-	360	200	V
2	* 3.989935	55.89	PK2	33.5	0	-45.4	43.99	-	-	74	-30.01	360	200	V
1	* 3.994057	55.75	PK2	33.5	0	-45.3	43.95	-	-	74	-30.05	360	101	H
4	6.734209	42.97	MAv1	35.6	0	-44.4	34.17	-	-	-	-	360	200	V
5	6.734389	54.2	PK2	35.6	0	-44.4	45.4	-	-	-	-	360	200	H
4	6.746893	54.61	PK2	35.6	0	-44.5	45.71	-	-	-	-	360	200	V
5	6.748949	42.5	MAv1	35.6	0	-44.5	33.6	-	-	-	-	360	200	H

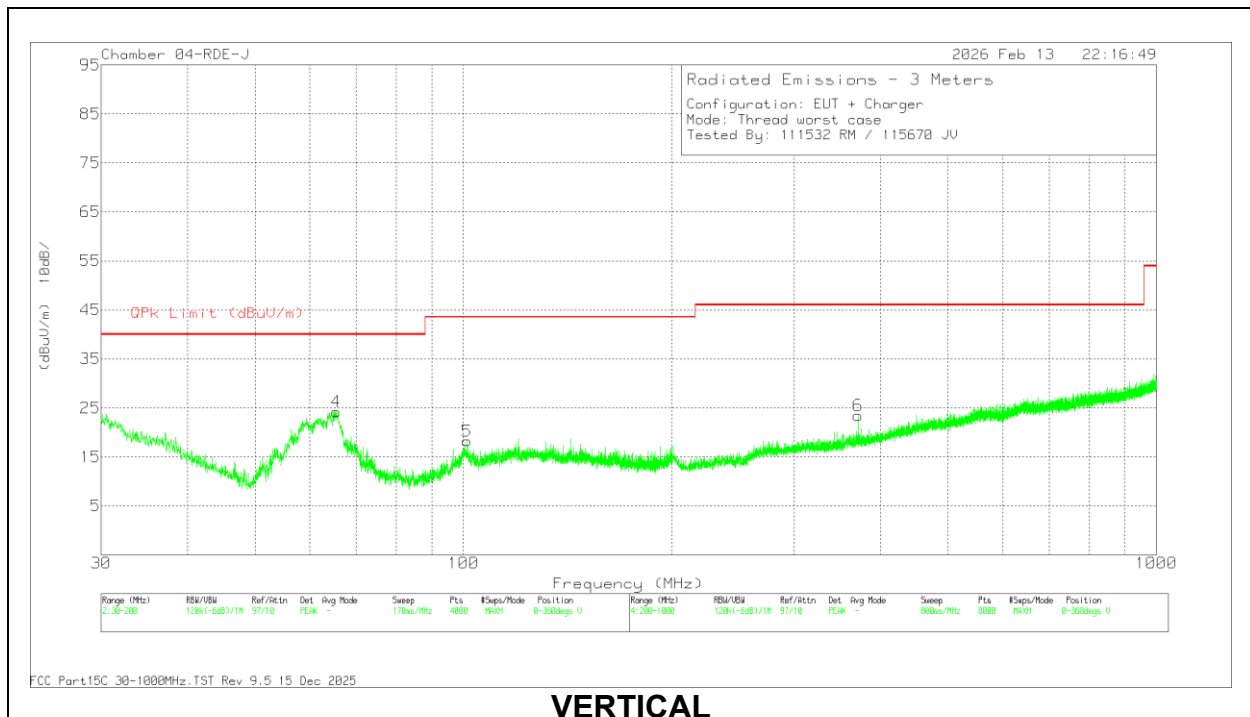
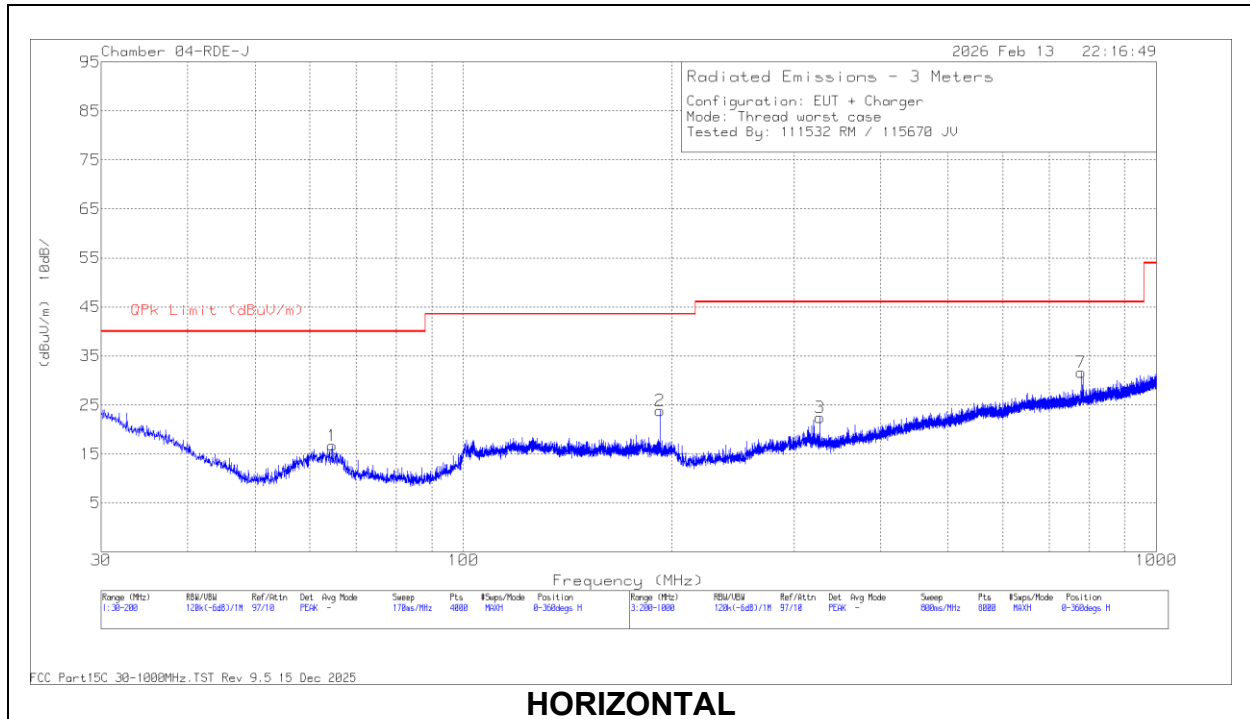
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2. WORST CASE BELOW 1 GHz

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



Below 1GHz Data

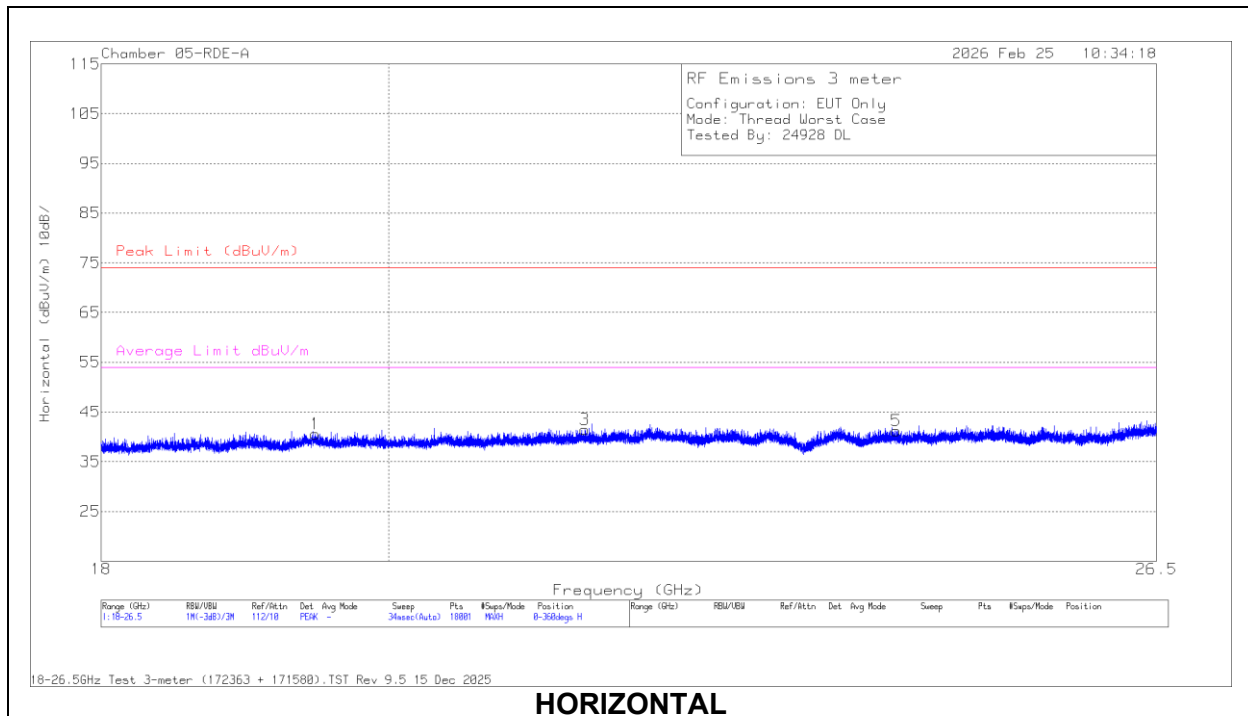
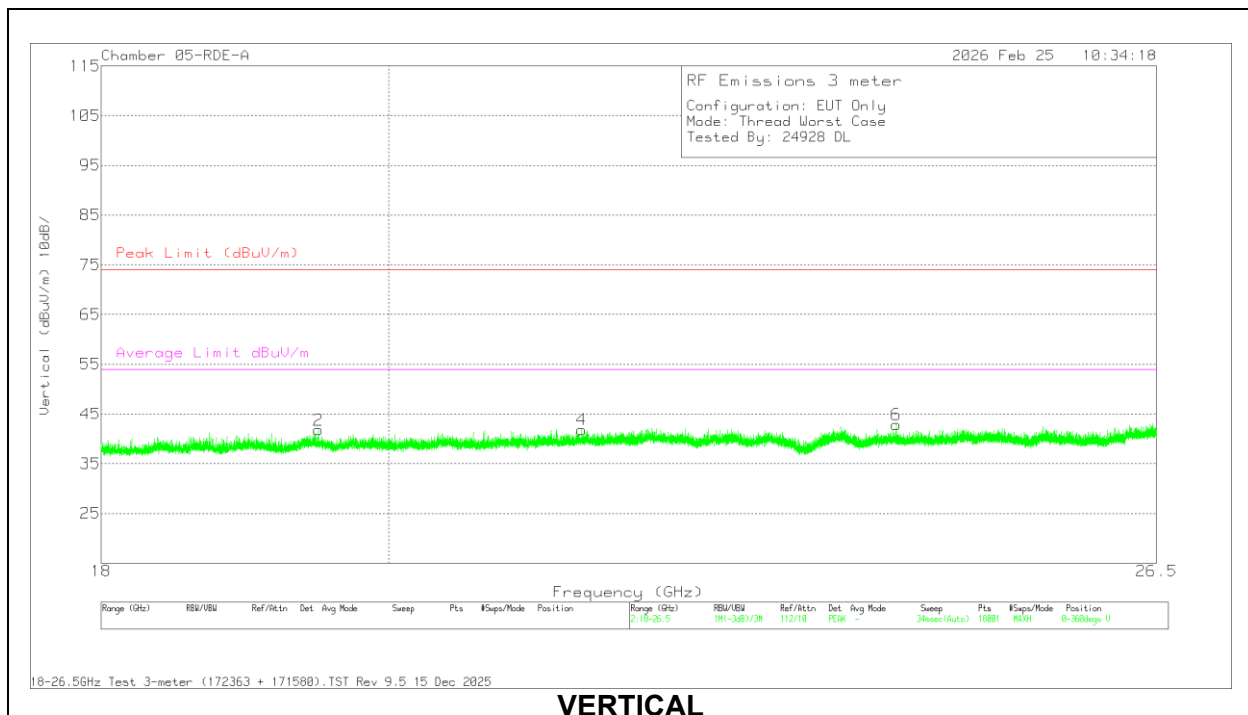
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	202329 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	64.604	34.34	Pk	13.8	-31.4	16.74	40	-23.26	0-360	299	H
2	192.264	37.29	Pk	17.3	-30.7	23.89	43.52	-19.63	0-360	199	H
3	* 326.616	32.87	Pk	19.8	-30.2	22.47	46.02	-23.55	0-360	101	H
4	65.5392	41.87	Pk	13.9	-31.5	24.27	40	-15.73	0-360	100	V
5	101.248	32.88	Pk	16.6	-31.2	18.28	43.52	-25.24	0-360	100	V
6	371.222	32.75	Pk	20.7	-30	23.45	46.02	-22.57	0-360	298	V
7	778.175	33.4	Pk	26.9	-28.6	31.7	46.02	-14.32	0-360	198	H

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

Pk - Peak detector

9.3. WORST CASE 18-26 GHz

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

**HORIZONTAL****VERTICAL**

18 – 26GHz Data

Marker	Frequency (GHz)	Marker Reading (dBm)	Det	172983 ACF (dBm)	GBLAMP (dB)	Amplitude (dB)	Corrected Reading (dBm)	Peak Limit (dBm)	PK Margin (dB)	Average Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.470027	56.48	PK	32.5	-62.9	14.5	40.58	74	-33.42	54	-13.42	0-360	101	H
2	* 19.490333	57.78	PK	32.5	-63	14.5	41.78	74	-32.22	54	-12.22	0-360	101	V
4	**21.490692	56.14	PK	32.9	-62.5	15.4	41.84	-	-	-	-	0-360	101	V
3	**21.490665	55.65	PK	32.9	-62.5	15.4	41.45	-	-	-	-	0-360	101	H
6	**24.089303	55.73	PK	33.4	-62.7	16.4	42.83	-	-	-	-	0-360	101	V
5	**24.091664	54.05	PK	33.4	-62.6	16.4	41.25	-	-	-	-	0-360	200	H

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

** These signals are covered by Conducted Spurious testing.

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

ANSI C63.10, Subclause - 6.2

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

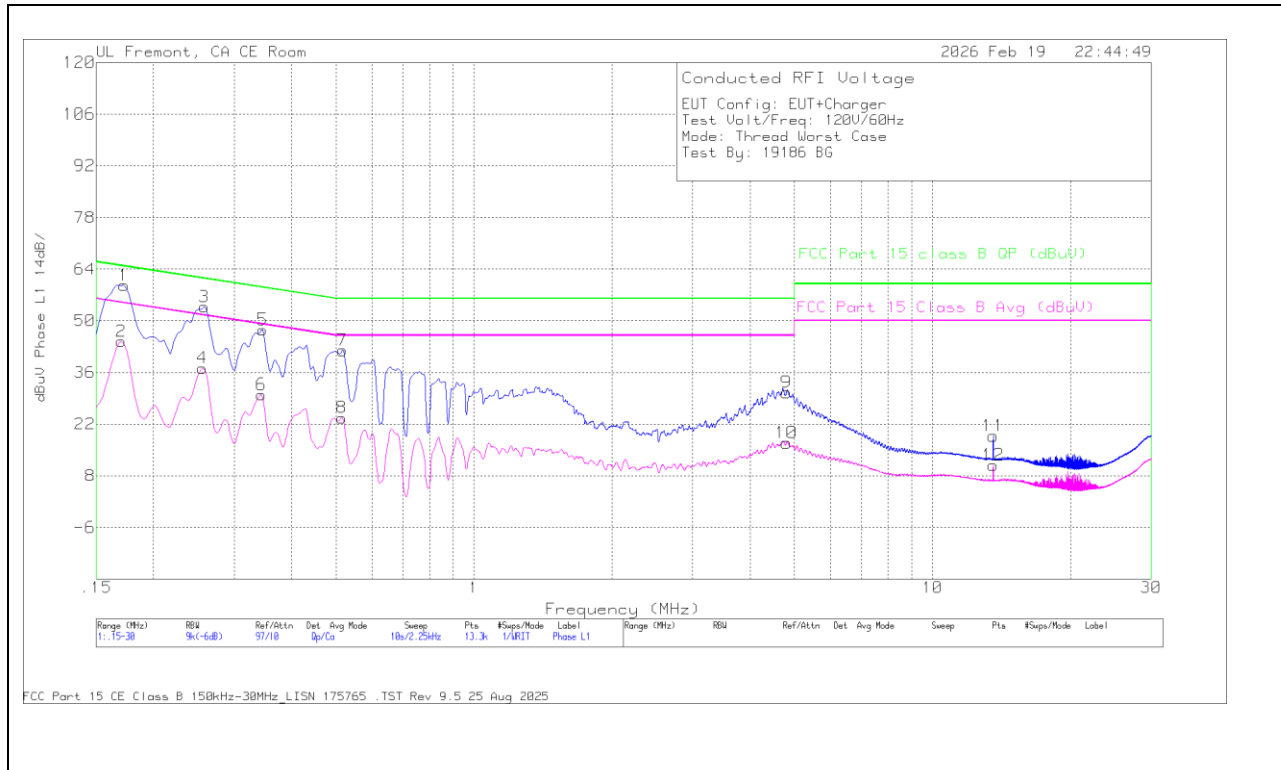
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

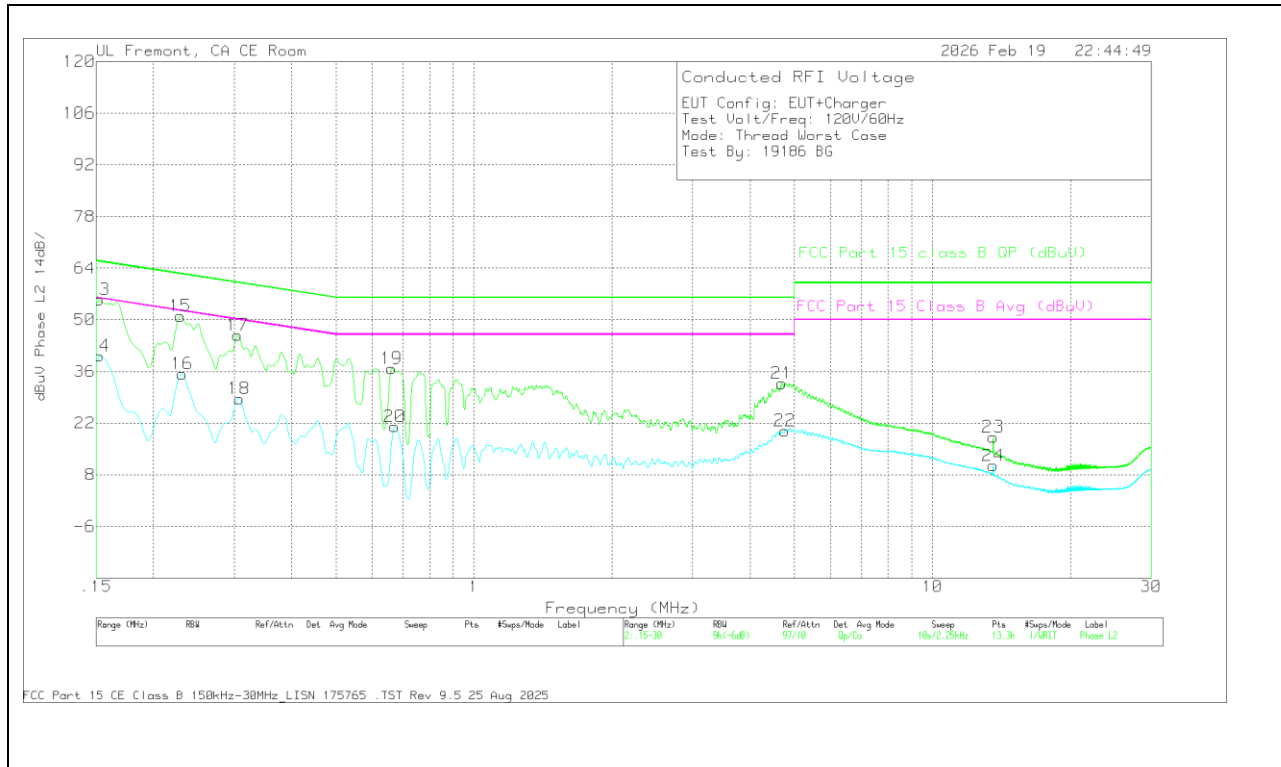
10.1. AC POWER LINE WITH AC/DC ADAPTER

LINE 1 RESULTS



Range 1: Phase L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	10dB Atten (dB)	Corrected Reading dBuV	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
2	.1703	34.34	Ca	0	.1	10	44.44	54.95	-10.51	-	-
4	.2558	27.18	Ca	0	0	10	37.18	51.57	-14.39	-	-
6	.3435	19.95	Ca	0	0	10	29.95	49.12	-19.17	-	-
8	.5145	13.72	Ca	0	0	10	23.72	46	-22.28	-	-
10	4.8008	6.81	Ca	.1	0	10	16.91	46	-29.09	-	-
12	13.56	.56	Ca	.2	.1	10	10.86	50	-39.14	-	-
1	.1725	49.48	Qp	0	.1	10	59.58	-	-	64.84	-5.26
3	.258	43.8	Qp	0	0	10	53.8	-	-	61.5	-7.7
5	.3458	37.52	Qp	0	0	10	47.52	-	-	59.06	-11.54
7	.5168	32	Qp	0	0	10	42	-	-	56	-14
9	4.8008	20.46	Qp	.1	0	10	30.56	-	-	56	-25.44
11	13.56	8.49	Qp	.2	.1	10	18.79	-	-	60	-41.21

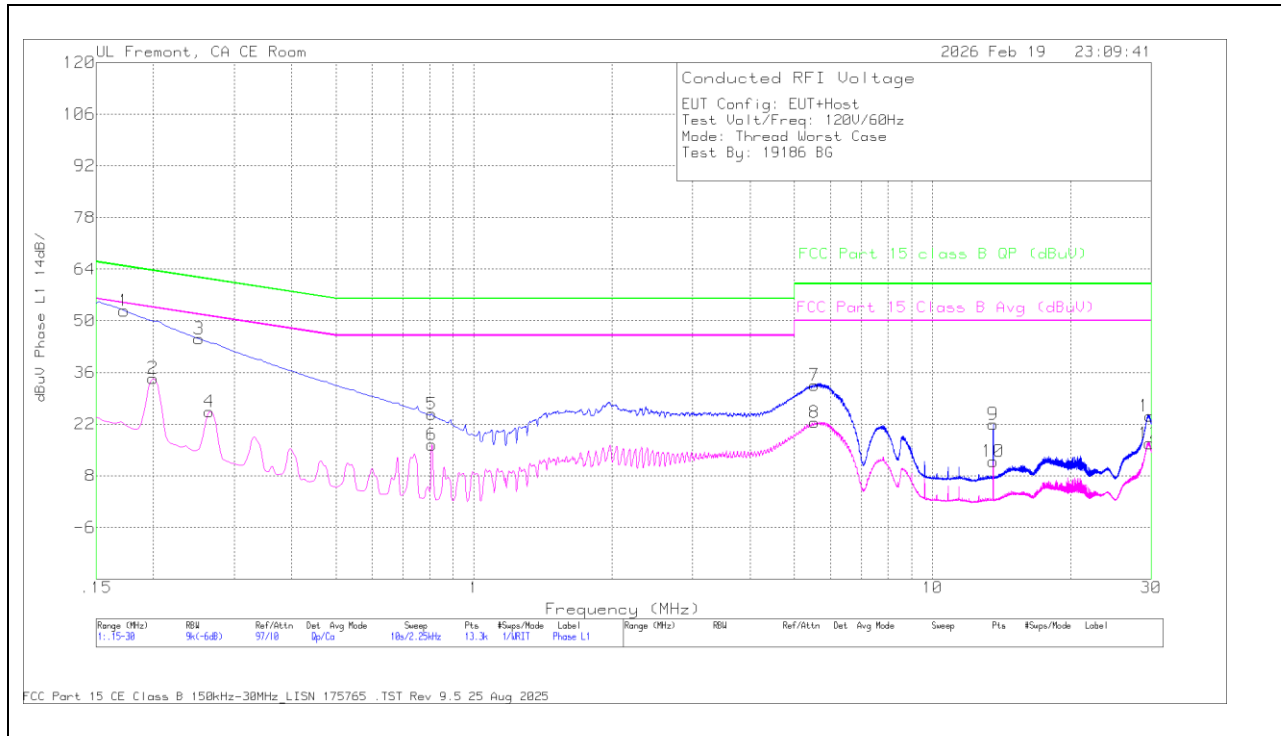
LINE 2 RESULTS



Range 2: Phase L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	10dB Atten (dB)	Corrected Reading dBuV	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
14	.1523	30.11	Ca	0	.1	10	40.21	55.88	-15.67	-	-
16	.231	25.33	Ca	0	0	10	35.33	52.41	-17.08	-	-
18	.3075	18.6	Ca	0	0	10	28.6	50.04	-21.44	-	-
20	.672	10.93	Ca	.1	0	10	21.03	46	-24.97	-	-
22	4.7648	9.84	Ca	.1	0	10	19.94	46	-26.06	-	-
24	13.56	.18	Ca	.2	.1	10	10.48	50	-39.52	-	-
13	.1523	45.36	Qp	0	.1	10	55.46	-	-	65.88	-10.42
15	.2288	41.02	Qp	0	0	10	51.02	-	-	62.49	-11.47
17	.3053	35.81	Qp	0	0	10	45.81	-	-	60.1	-14.29
19	.6608	26.67	Qp	.1	0	10	36.77	-	-	56	-19.23
21	4.6928	22.57	Qp	.2	0	10	32.77	-	-	56	-23.23
23	13.56	7.92	Qp	.2	.1	10	18.22	-	-	60	-41.78

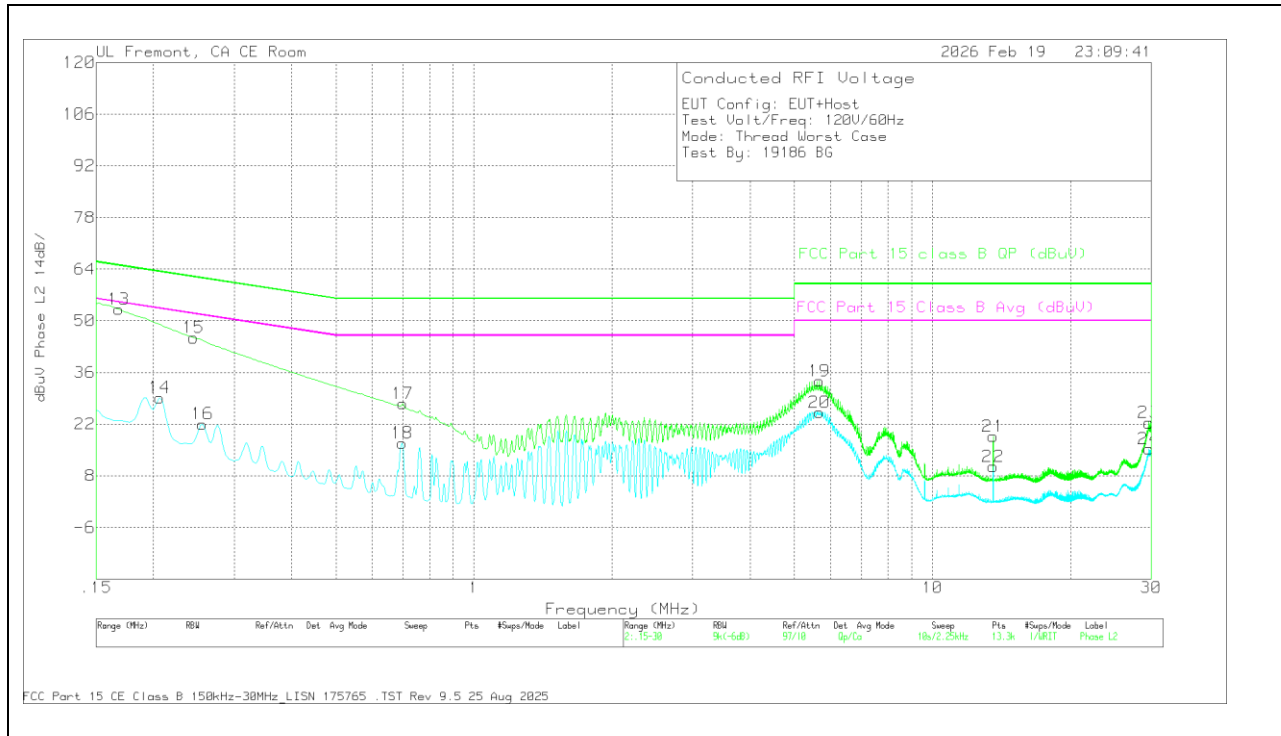
10.2. AC POWER LINE WITH LAPTOP

LINE 1 RESULTS



Range 1: Phase L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	10dB Atten (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
2	.1995	24.32	Ca	0	.1	10	34.42	53.63	-19.21	-	-
4	.2648	15.4	Ca	0	0	10	25.4	51.28	-25.88	-	-
6	.8093	6.3	Ca	.1	0	10	16.4	46	-29.6	-	-
8	5.5275	12.25	Ca	.2	0	10	22.45	50	-27.55	-	-
10	13.56	1.63	Ca	.2	.1	10	11.93	50	-38.07	-	-
12	29.7555	6.05	Ca	.4	.3	10	16.75	50	-33.25	-	-
1	.1725	42.62	Qp	0	.1	10	52.72	-	-	64.84	-12.12
3	.2513	35.13	Qp	0	0	10	45.13	-	-	61.72	-16.59
5	.8093	14.66	Qp	.1	0	10	24.76	-	-	56	-31.24
7	5.523	22.35	Qp	.2	0	10	32.55	-	-	60	-27.45
9	13.56	11.65	Qp	.2	.1	10	21.95	-	-	60	-38.05
11	29.7803	13.51	Qp	.4	.3	10	24.21	-	-	60	-35.79

LINE 2 RESULTS



Range 2: Phase L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	10dB Atten (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
14	.2063	19.14	Ca	0	0	10	29.14	53.35	-24.21	-	-
16	.2558	12	Ca	0	0	10	22	51.57	-29.57	-	-
18	.6968	6.73	Ca	.1	0	10	16.83	46	-29.17	-	-
20	5.6693	14.94	Ca	.2	0	10	25.14	50	-24.86	-	-
22	13.56	.2	Ca	.2	.1	10	10.5	50	-39.5	-	-
24	29.6565	4.64	Ca	.4	.2	10	15.24	50	-34.76	-	-
13	.168	43.01	Qp	0	.1	10	53.11	-	-	65.06	-11.95
15	.2445	35.41	Qp	0	0	10	45.41	-	-	61.94	-16.53
17	.699	17.41	Qp	.1	0	10	27.51	-	-	56	-28.49
19	5.667	23.46	Qp	.2	0	10	33.66	-	-	60	-26.34
21	13.56	8.39	Qp	.2	.1	10	18.69	-	-	60	-41.31
23	29.6565	11.76	Qp	.4	.2	10	22.36	-	-	60	-37.64

11. SETUP PHOTOS

Please refer to 15982152-EP1 for setup photos.

12. APPENDIX A – SPOT CHECK EVALUATION

12.1. MODEL DIFFERENCES

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

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

Note:

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

The spot check plan allows for data reuse from the reference model where the variant model data meets the limits and has not changed by more than the criteria from KDB 484596 D01 v03 equation (4).

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

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

12.2. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3713

A3713 SPOT CHECK RESULTS										
Equipment Class / Technology	Frequency (GHz)	Mode	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3472	Sub Model: A3713	Delta (dB)	Margin	Remarks
						FCC ID : BCG-E9186A IC : 579C-E9186A	FCC ID : BCG-E9192A IC : 579C-E9192A			
DTS/Thread	2.4	2.4GHz Thread (ANT 4) High Power	Peak Power (dBm)	Low	2.405	20.56	20.53	-0.03	-9.44	Note 1
		2.4GHz Thread (ANT 4) High Power	Radiated Bandedge (dBuV/m)	High	Vertical High Bandedge AVG	40.74	44.38	3.64	-13.26	Note 1
		2.4GHz Thread (ANT 3) High Power	RSE (dBuV/m)	Mid	Horizontal AVG 12.007GHz	40.21	39.41	-0.80	-13.79	Note 1

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

Note 2: Deviation from reference to variant exceeds the value allowed by equation (4) in KDB 484596. Additional tests performed on second channel.

12.3. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3714

A3714 SPOT CHECK RESULTS										
Equipment Class / Technology	Frequency (GHz)	Mode	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3472	Sub Model: A3714	Delta (dB)	Margin	Remarks
						FCC ID : BCG-E9186A IC : 579C-E9186A	FCC ID : BCG-E9193 IC : 579C-E9193			
DTS/Thread	2.4	2.4GHz Thread (ANT 4) High Power	Peak Power (dBm)	Low	2.405	20.56	20.49	-0.07	-9.44	Note 1
		2.4GHz Thread (ANT 4) High Power	Radiated Bandedge (dBuV/m)	High	Vertical High Bandedge AVG	40.74	44.05	3.31	-13.26	Note 1
		2.4GHz Thread (ANT 3) High Power	RSE (dBuV/m)	Mid	Horizontal AVG 12.007GHz	40.21	39.87	-0.34	-13.79	Note 1

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

Note 2: Deviation from reference to variant exceeds the value allowed by equation (4) in KDB 484596. Additional tests performed on second channel.

12.4. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3715

A3715 SPOT CHECK RESULTS										
Equipment Class / Technology	Frequency (GHz)	Mode	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3472	Sub Model: A3715	Delta (dB)	Margin	Remarks
						FCC ID : BCG-E9186A IC : 579C-E9186A	FCC ID : BCG-E9194 IC : 579C-E9194			
DTS/Thread	2.4	2.4GHz Thread (ANT 4) High Power	Peak Power (dBm)	Low	2.405	20.56	20.55	-0.01	-9.44	Note 1
		2.4GHz Thread (ANT 4) High Power	Radiated Bandedge (dBuV/m)	High	Vertical High Bandedge AVG	40.74	44.10	3.36	-13.26	Note 1
		2.4GHz Thread (ANT 3) High Power	RSE (dBuV/m)	Mid	Horizontal AVG 12.007GHz	40.21	38.40	-1.81	-13.79	Note 1

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

Note 2: Deviation from reference to variant exceeds the value allowed by equation (4) in KDB 484596. Additional tests performed on second channel.