

TEST REPORT

Report Number: 16064952 – E18V2

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

Model : A3447 (Parent)
A3719, A3720, A3721 (Variants)

Brand : APPLE

FCC ID : BCG-E9188A (Parent)
BCG-E9198A, BCG-E9203A, BCG-E9204A (Variants)

IC : 579C-E9188A (Parent)
579C-E9198A, 579C-E9203A, 579C-E9204A (Variants)

EUT Description : SMARTPHONE

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C
ISED RSS-210 ISSUE 11
ISED RSS-GEN ISSUE 5 + A1 + A2

Date Of Issue:
2026-07-30

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2026-07-07	Initial Issue	--
V2	2026-07-24	Addressed TCB Questions: Sections 8, 9.3, 9.5.3, 9.7	Chris Xiong

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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	A3447 (Parent) A3719, A3720, A3721 (Variants)
Brand	APPLE
FCC ID	BCG-E9188A (Parent) BCG-E9198A, BCG-E9203A, BCG-E9204A (Variants)
IC	579C-E9188A (Parent) 579C-E9198A, 579C-E9203A, 579C-E9204A (Variants)
EUT Description	SMARTPHONE
Serial Number	WWX6PVL6YL, MG7LTJH6K0, VDKV6KK9VT, HCDJX5X6QF XK3Y27V221, G3FCQ391K2, D1620034QF
Sample Receipt Date	2026-05-21
Date Tested	2026-05-23 TO 2026-07-30
Applicable Standards	FCC 47 CFR PART 15 SUBPART C ISED RSS-210 Issue 11, Annex B 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 assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.	
Approved & Released By:	Prepared & Reviewed By:
	
Thu Chan Staff Engineer UL Verification Services Inc.	Chris Xiong Lab Supervisor UL Verification Services Inc.

2. TEST SUMMARY

Requirement	FCC Clause	ISED Clause	Result
20dB BW/99% OBW	15.215 (c), 2.1049	RSS-GEN 6.7	Complies
Field strength of fundamental emissions	15.225 (a) (b) (c)	RSS-210 Annex B.6 (a) (i, ii, iii)	Complies
Radiated Spurious Emissions	15.225 (d), 15.209	RSS-210 Annex B.6 (a) (iv) RSS-GEN 8.9	Complies
Frequency Stability	15.225 (e)	RSS-210 Annex B.6 (b)	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:

- FCC CFR 47 Part 2
- FCC CFR 47 Part 15C
- KDB 414788 D01 Radiated Test Site
- KDB 484596 D01 Referencing Test Data
- RSS-GEN Issue 5 + A1 + A2
- RSS-210 Issue 11
- ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

4. FACILITIES AND ACCREDITATION

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

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

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

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

5.2. DECISION RULES

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

5.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	U _{Lab}
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.2%
Temperature	±0.57 %
Relative Humidity	3.39 %
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

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. DESCRIPTION OF EUT

The Apple iPhone is a smartphone with cellular GSM, GPRS, EGPRS, WCDMA, LTE, 5G NR1, 5G NR2, IEEE 802.11a/b/g/n/ac/ax/be, Bluetooth (BT), Ultra-Wideband (UWB), Global Positioning System (GPS), Near-Field Communication (NFC), Narrow-Band (NB) UNII, 802.15.4, 802.15.4ab-Narrow Band (NB), Wireless Power Transfer (WPT) and Mobile Satellite Service (MSS) technologies. The rechargeable battery is not user accessible. This device is not user-serviceable and requires special tools to disassemble.

The EUT is considered a Foldable Smartphone” and can be operated in two unique operating states – phone “fully closed” (State A) and phone “fully open” (State B). The test results of both operating states are reported.

6.2. SOFTWARE AND FIRMWARE

The Software and Firmware version used at test is 24A343.

6.3. MAXIMUM E-FIELD STRENGTH

The transmitter has a maximum peak radiated E-field strength as follows:

Configuration	Antenna	Frequency (MHz)	Type	Mode	Rate (kbps)	E Field at 30m distance (dBuV/m)
STATE A	Primary	13.56	F	Reader	212	26.66
				CE	212	27.64
				Tag	212	25.92
	Secondary	13.56	F	Reader	212	7.90
				Tag	212	8.10
STATE B	Primary	13.56	A	Reader	106	19.97
				CE	106	20.81
				Tag	106	20.71
	Secondary	13.56	A	Reader	106	1.27
				Tag	106	2.18

6.4. WORST-CASE CONFIGURATION AND MODE

The EUT was evaluated in two configurations: State A (fully closed) and State B (fully open), and in three orthogonal orientations: X (Flatbed), Y (Landscape), and Z (Portrait). The table below identifies the worst-case orientation for each configuration, and full testing was conducted in those orientations.

Configuration	Frequency (MHz)	Primary Antenna	Secondary Antenna
STATE A	13.56	Z (Portrait)	Z (Portrait)
STATE B	13.56	Y (Landscape)	X (Flatbed)

The worst-case EUT position for State A and State B was evaluated under three configurations: standalone, with power supply, and with earphones. The table below summarizes the worst-case antenna configurations for each state, including primary and secondary antennas.

Configuration	Primary Antenna	Secondary Antenna
STATE A	Standalone EUT	EUT + Power Supply
STATE B	EUT + Power Supply	Standalone EUT

In addition, Reader, CE, and Tag modes were evaluated using NFC Types A, B, and F at data rates of 106 kbps, 212 kbps, 424 kbps, and 848 kbps, as well as the ISO 15693 configuration, to determine the worst-case operating condition based on maximum output power and spurious emissions.

The table below summarizes the worst-case mode selected for final testing.

Configuration	Worst-Case Mode
STATE A	Type F, 212 kbps
STATE B	Type A, 106 kbps

For measurements below 30 MHz, the EUT was evaluated in three antenna orientations: RX antenna face-on, face-off, and horizontal (parallel to the ground). The worst-case configurations were identified as the RX antenna face-on and face-off orientations. Therefore, all final tests were performed using these two orientations.

For AC line conducted emissions, two configurations were evaluated: the EUT operated as standalone device powered by its AC adapter and the EUT connected to a laptop (Host).

For occupied bandwidth, frequency stability and AC line conducted emissions, only the worst-case test results are included in this report.

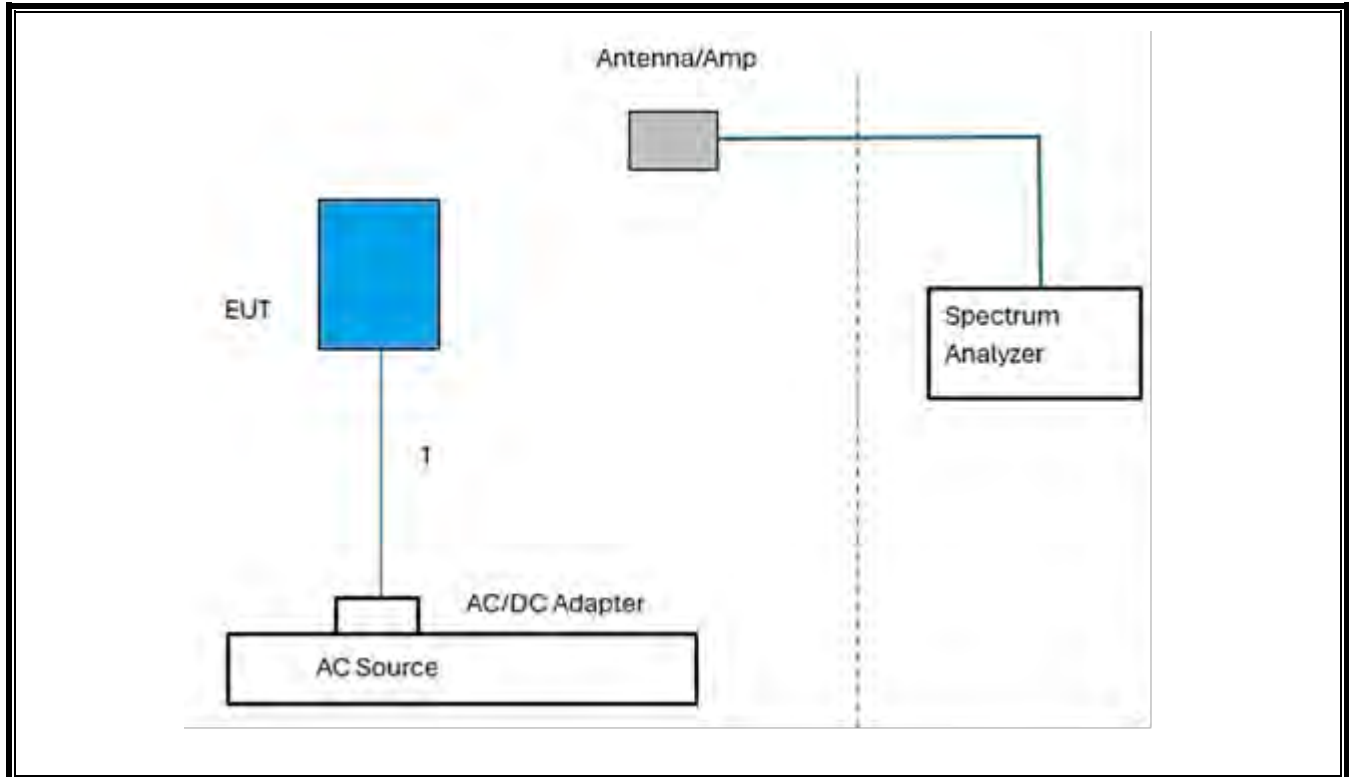
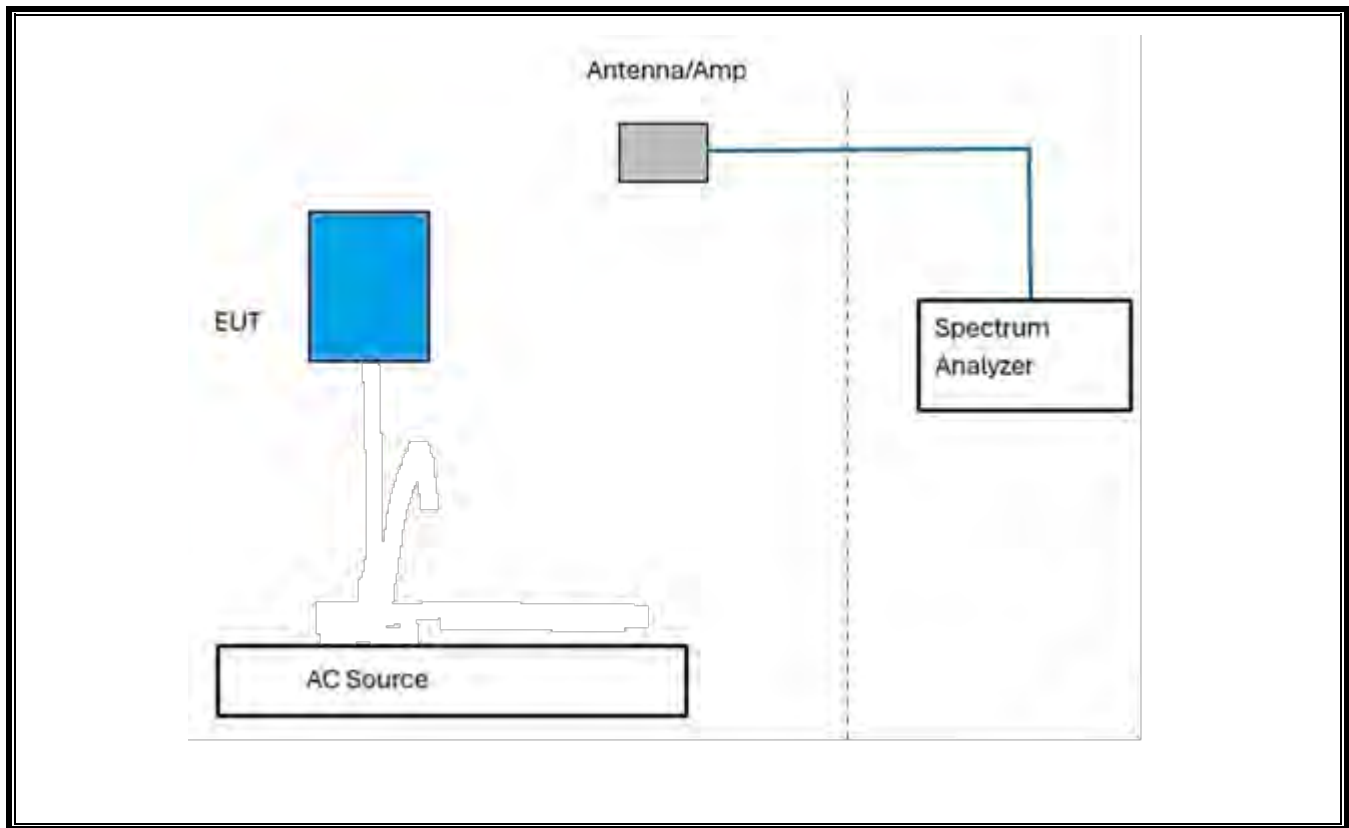
Although the tests were not performed at an Open Area Test Site (OATS), adequate comparison measurements were conducted against a 30-meter OATS. Therefore, sufficient data were obtained to demonstrate that the alternative test site produces results that correlate with those obtained at an OATS, in accordance with KDB 414788.

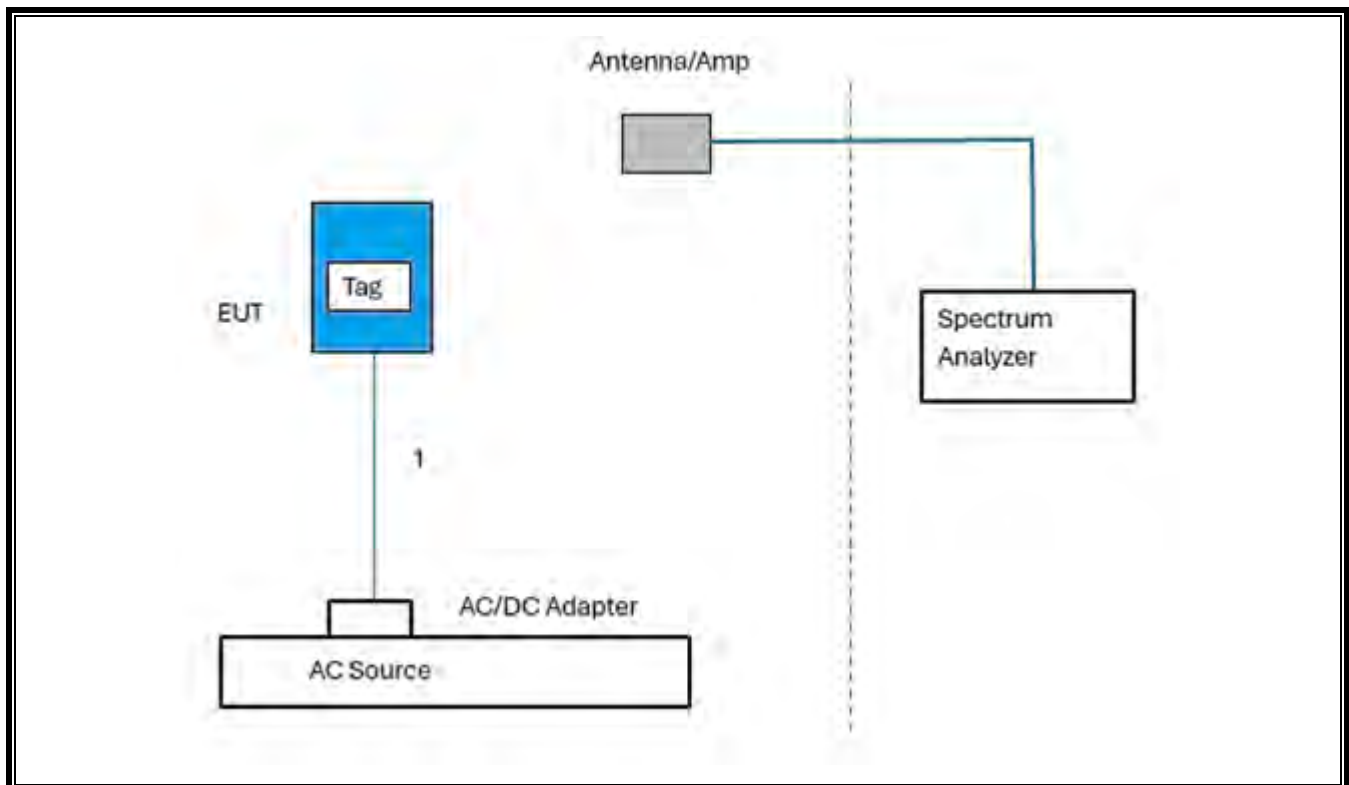
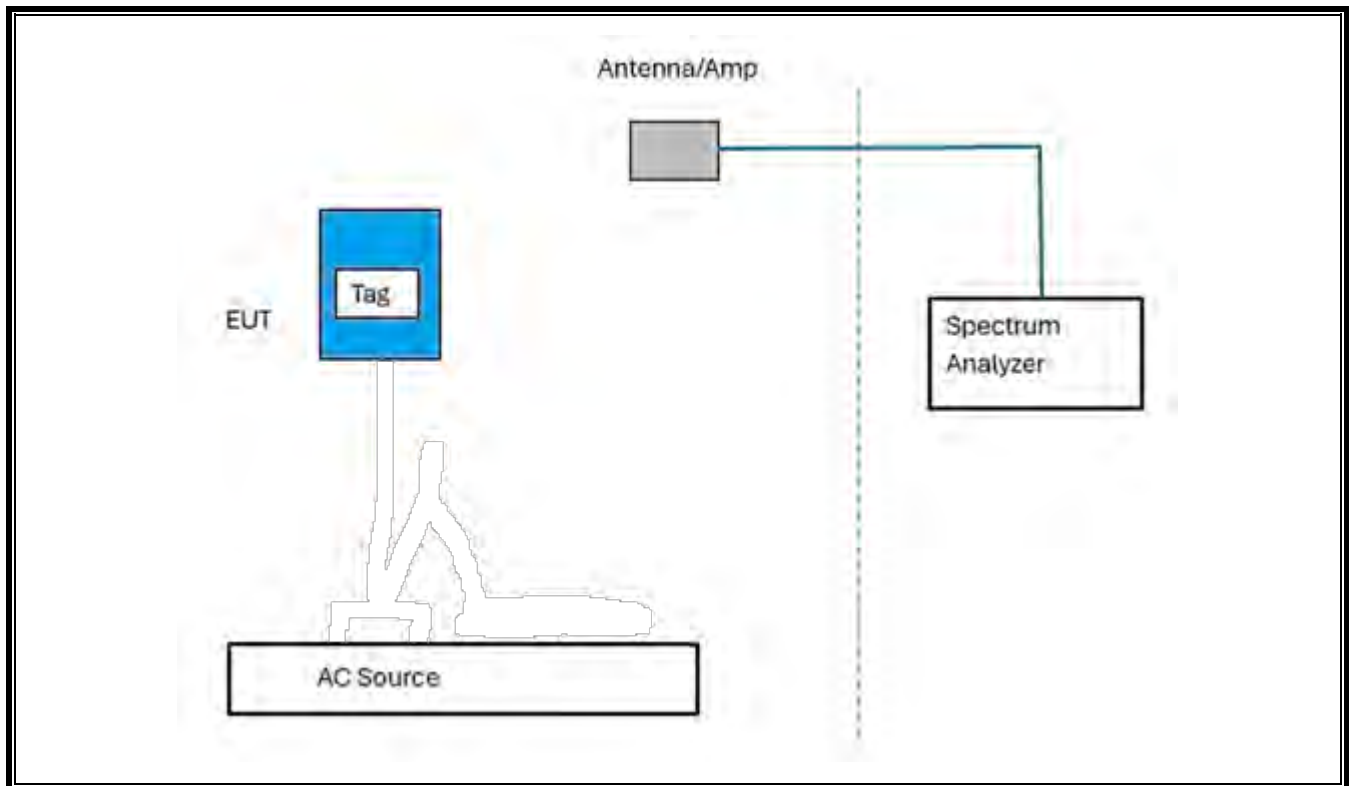
6.5. DESCRIPTION OF TEST SETUP

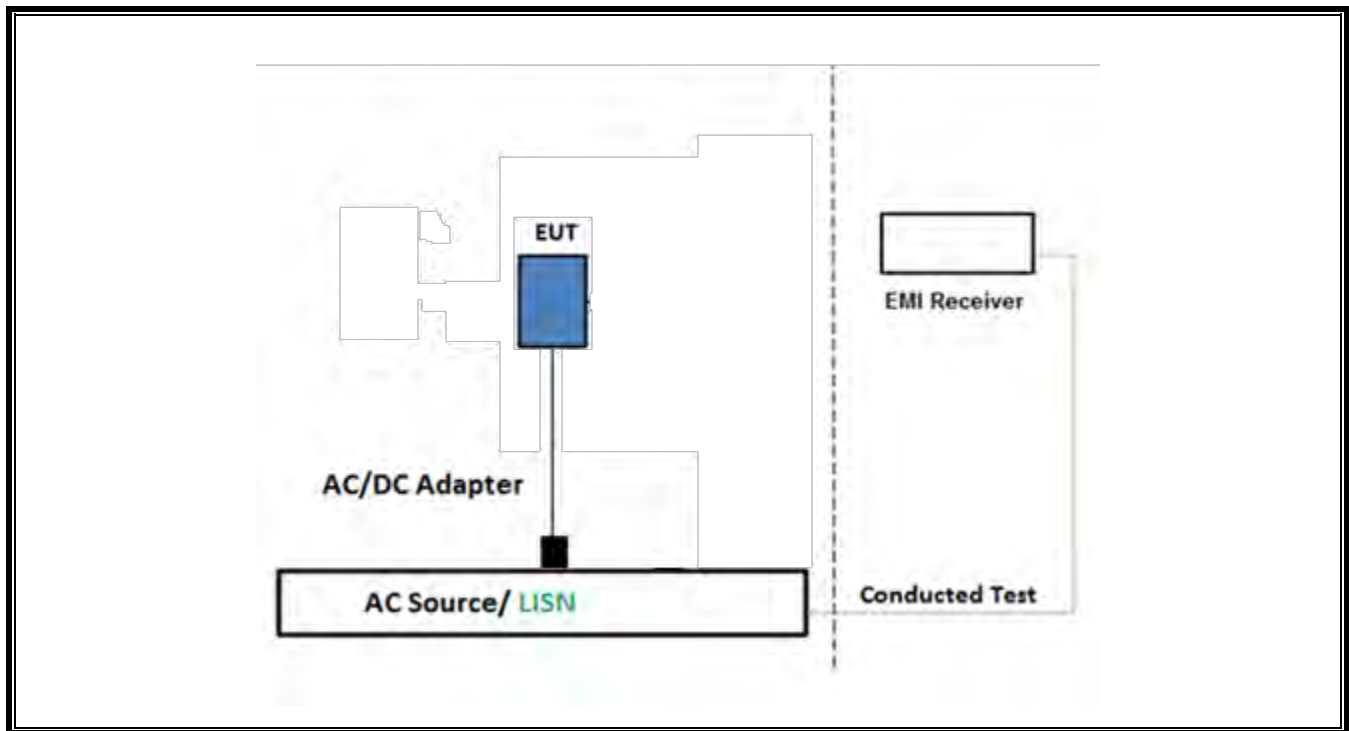
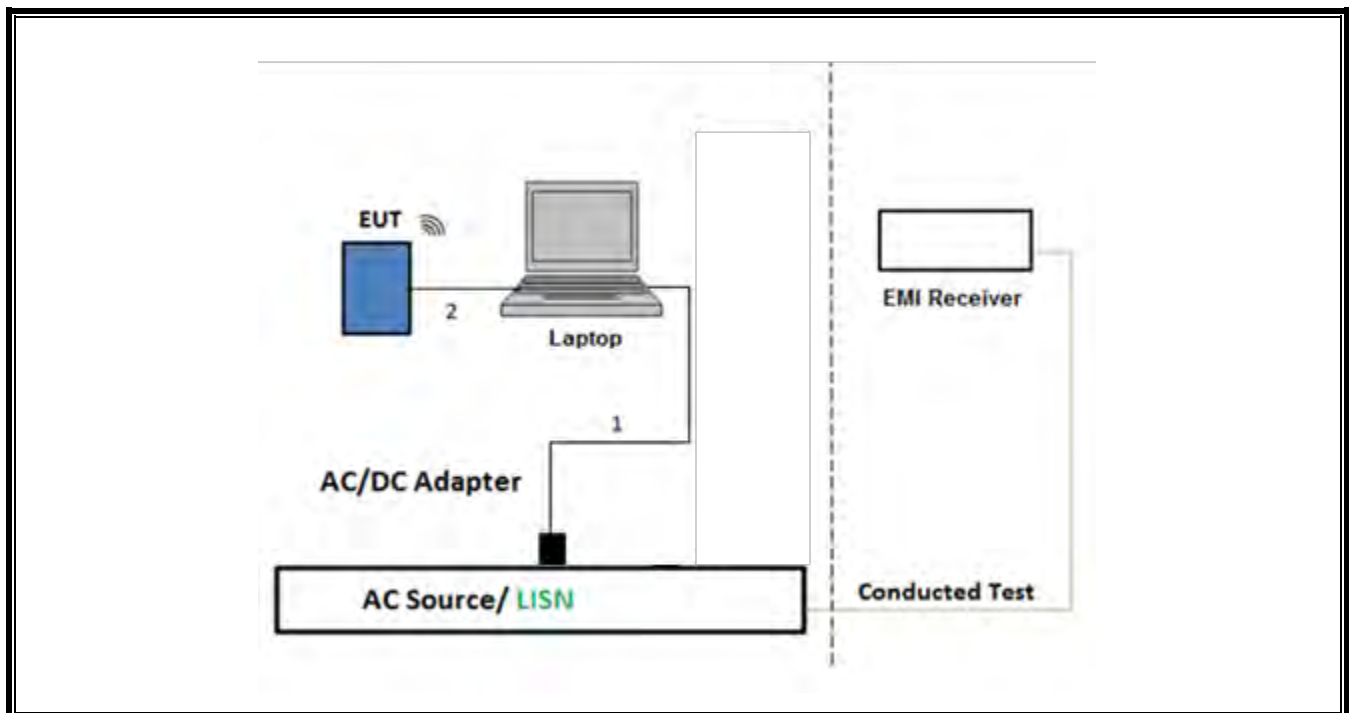
SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number		FCC ID/ DoC
MacBook Pro		Apple	A1706	C02WG84CHV2L		BCGA1706
96W USB-C Power Adapter		Apple	A2166	C4H231100CDPM0WAK		DoC
20W USB-C Power Adapter		Apple	A2305	C4H951600C3PF4F4U		DoC
Tag		N/A	N/A	GLFG3ATBOY5SAQSH		DoC
I/O CABLES (RADIATED EMISSIONS/ AC LINE CONDUCTED)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC	1	USB-Type C	Shielded	1	-

TEST SETUP

The EUT is installed in a host laptop computer during the tests. Test software exercised the radio card.

SETUP DIAGRAM FOR RADIATED TESTS (CE/READER MODE)

SETUP DIAGRAM FOR RADIATED TESTS (TAG MODE)

SETUP DIAGRAM FOR LINE CONDUCTED TESTS**SETUP DIAGRAM FOR LINE CONDUCTED TESTS WITH HOST**

7. TEST AND MEASUREMENT EQUIPMENT

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

RADIATED EMISSIONS TEST EQUIPMENT LIST				
Description	Manufacturer	Model	ID Num	Cal Due
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	E4440A	191429	2027-02-28
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	223460	2027-02-28
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO-METRICS	EM-6871	170014	2027-09-30
Antenna, Passive Loop 100KHz - 30MHz	ELECTRO-METRICS	EM-6872	170016	2027-09-30
Antenna, Broadband Hybrid, 30MHz to 2000MHz	Sunol Sciences Corp.	JB1	80293	2027-05-31
Amplifier 9 KHz - 1 GHz	SONOMA INSTRUMENT	310N	230856	
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	E4440A	85201	2027-01-31
Environmental Chamber	Thermotron Industries	SM-16C Mini-Max	179936	2026-09-30

AC MAINS LINE CONDUCTED EMISSIONS TEST EQUIPMENT LIST				
Description	Manufacturer	Model	ID Num	Cal Due
EMI TEST RECEIVER	Rohde & Schwarz	ESCI7	82297	2027-02-28
LISN	Fischer Custom Communications	FCC-LISN-50/250-25-2-01-480V	175765	2027-01-31
Transient Limiter	TE	TBFL1	207996	2026-12-30

UL AUTOMATION SOFTWARE			
Radiated Software	UL	UL EMC	Ver 9.5, Aug 25, 2025
AC Line Conducted Software	UL	UL EMC	Ver 9.5, Aug 25, 2025

8. OCCUPIED BANDWIDTH

LIMITS

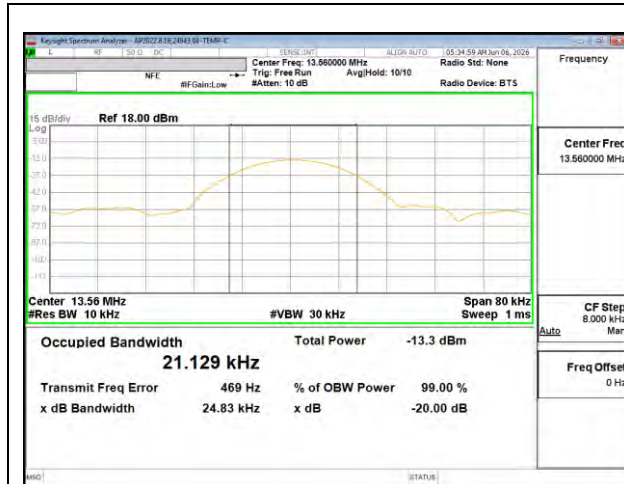
None; for reporting purposes only.

TEST PROCEDURE

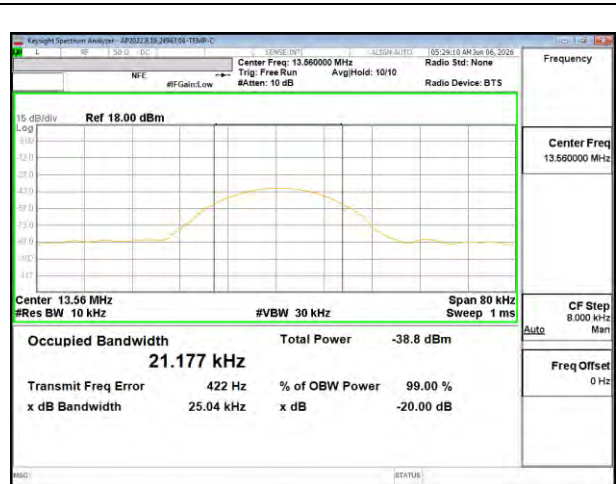
The transmitter output is connected to the spectrum analyzer. The RBW is set to 10kHz. The VBW is set to 3 times the RBW. The sweep time is coupled. The spectrum analyzer internal 99% bandwidth function is utilized.

RESULTS

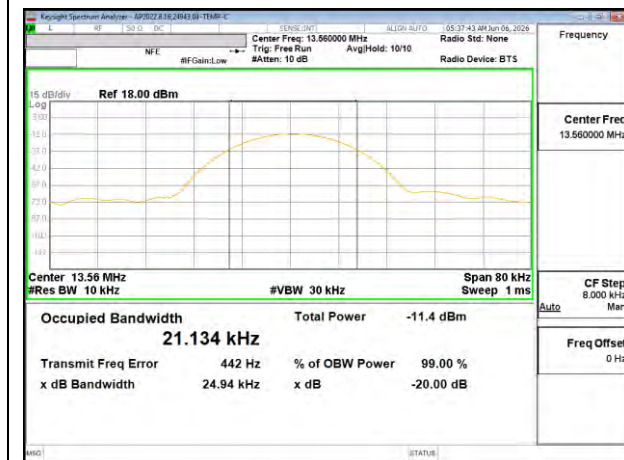
Antenna	Type	Mode	Rate (kbps)	Frequency (MHz)	99% Bandwidth (kHz)	20dB Bandwidth (kHz)
Primary	F	Reader	212	13.56	21.129	24.83
		CE	212	13.56	21.134	24.94
		Tag	212	13.56	21.179	24.93
Secondary	F	Reader	212	13.56	21.177	25.04
		Tag	212	13.56	22.619	25.09



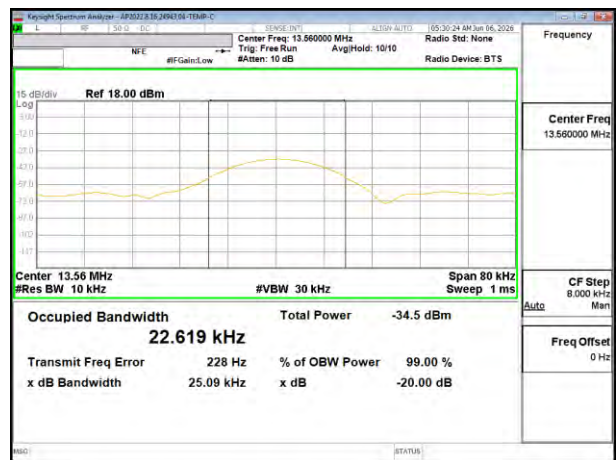
Primary Antenna – Reader Mode, Type F, 212 kbps



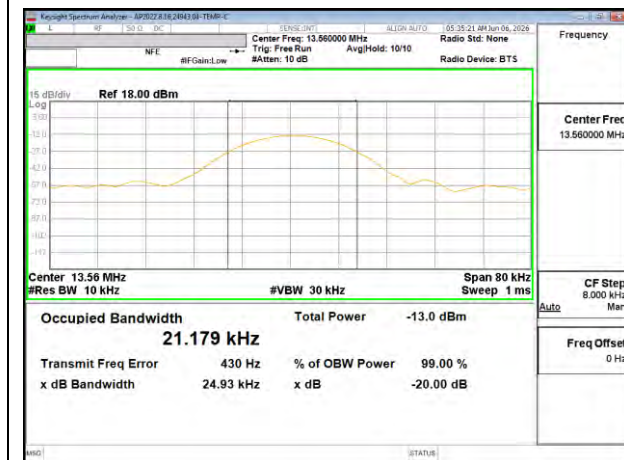
Secondary Antenna – Reader Mode, Type F, 212 kbps



Primary Antenna – CE Mode, Type F, 212 kbps



Secondary Antenna – Tag Mode, Type F, 212 kbps



Primary Antenna – Tag Mode, Type F, 212 kbps

9. RADIATED EMISSION TEST RESULTS

LIMIT

§15.225

IC RSS-210, Annex B.6

IC RSS-GEN, Section 8.9 (Transmitter)

(a) The field strength of any emissions within the band 13.553–13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.

(b) Within the bands 13.410–13.553 MHz and 13.567–13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.

(c) Within the bands 13.110–13.410 MHz and 13.710–14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.

(d) The field strength of any emissions appearing outside of the 13.110– 14.010 MHz and shall not exceed the general radiated emission limits in § 15.209 as follows:

§15.209 (a) Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Limits for radiated disturbance of an intentional radiator		
Frequency Range (MHz)	Limits (μV/m)	Measurement Distance (m)
0.009 – 0.490	2400 / F (kHz)	300
0.490 – 1.705	24000 / F (kHz)	30
1.705 – 30.0	30	30
30 – 88	100**	3
88 - 216	150**	3
216 – 960	200**	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g. §§ 15.231 and 15.241.

§15.209 (b) In the emission table above, the tighter limit applies at the band edges.

Formula for converting the filed strength from uV/m to dBuV/m is:

Limit (dBuV/m) = 20 log limit (uV/m)

In addition:

§15.209 (d) The emission limits shown the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

§15.209 (d) The provisions in §§ 15.225, measuring emissions at distances other than the distances specified in the above table, determining the frequency range over which radiated emissions are to be measured, and limiting peak emissions apply to all devices operated under this part.

TEST PROCEDURE

ANSI C63.10

The EUT is an intentional radiator that incorporates a digital device, the highest fundamental frequency generated or used in the device is 13.56 MHz; therefore, the frequency range was investigated from 0.15 MHz to the 10th harmonic of the highest fundamental frequency, or 1000 MHz, whichever is greater.

RESULTS

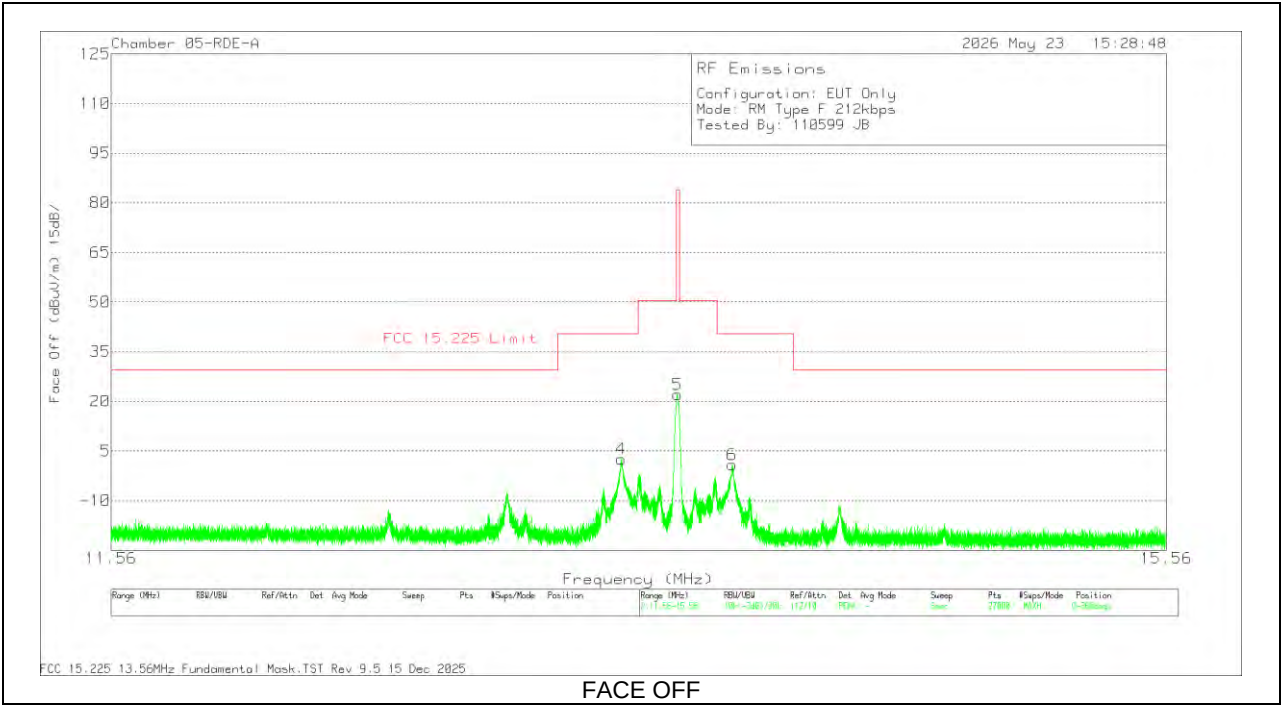
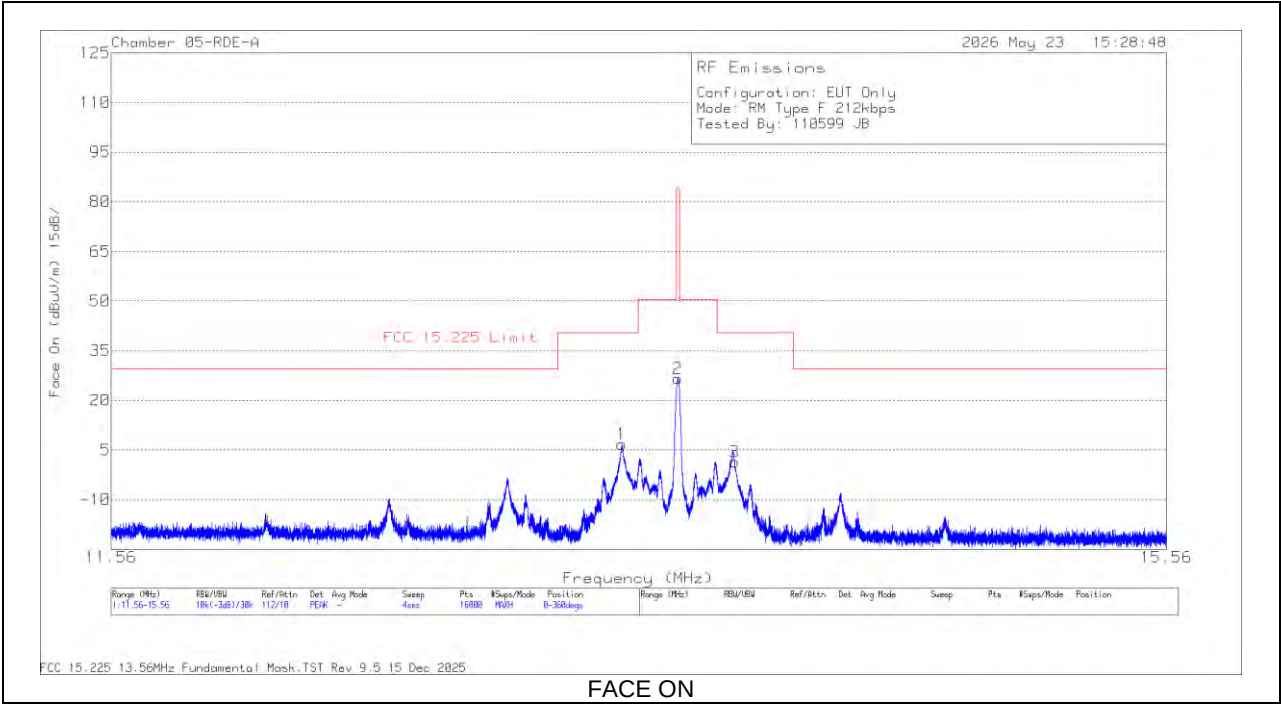
Note: The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as report in the table) using free space impedance of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

STATE A

9.1. PRIMARY ANTENNA FUNDAMENTAL AND SPURIOUS EMISSIONS
(0.15 MHz - 30 MHz)

9.1.1. READER MODE: TYPE F, 212 kbps

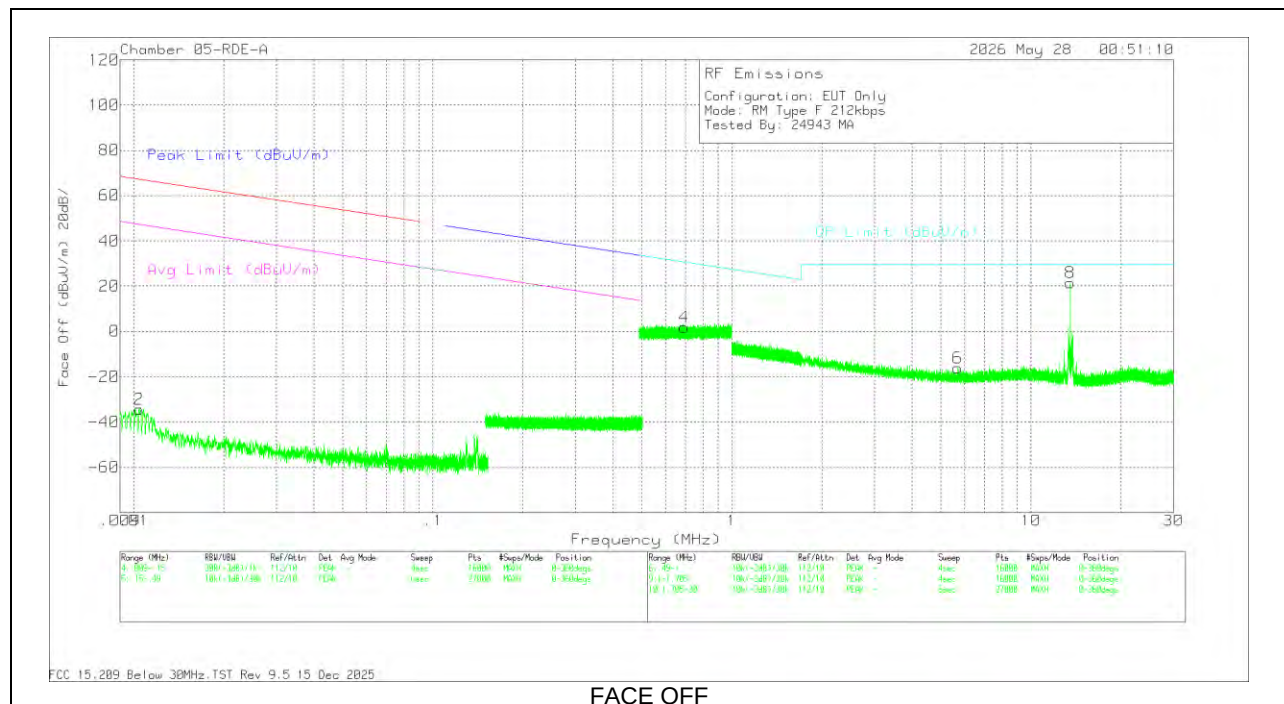
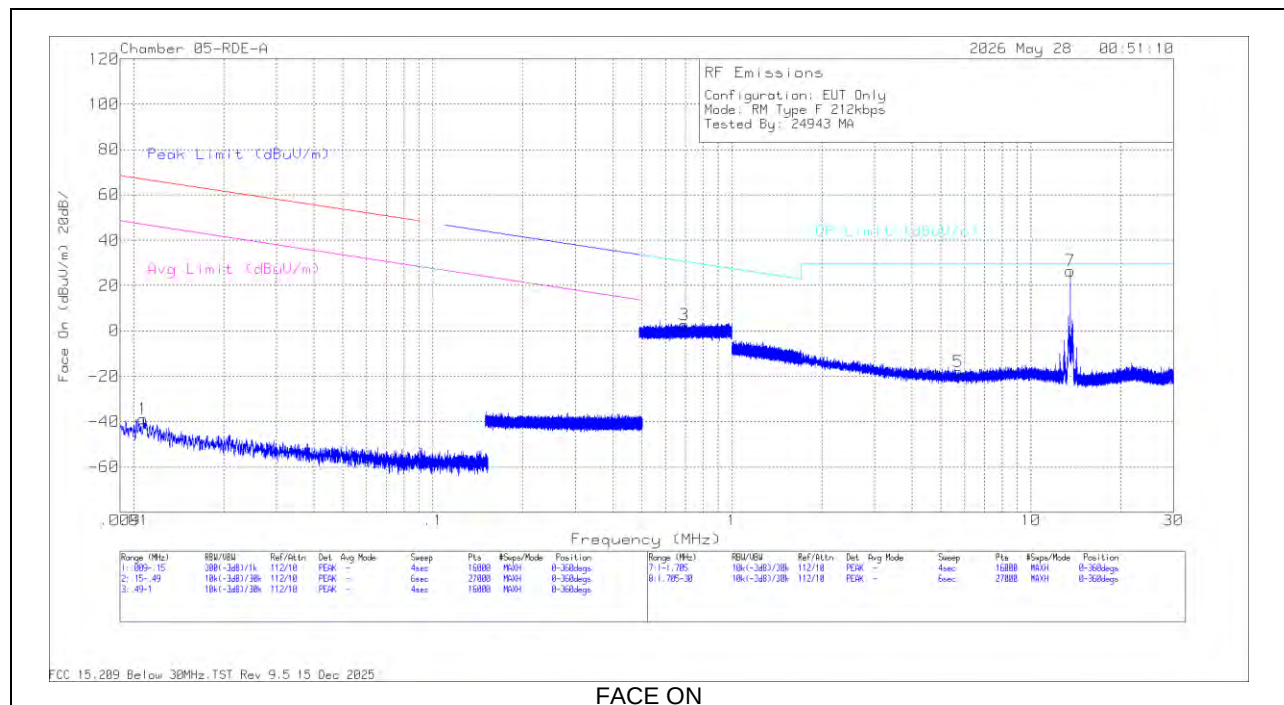
FUNDAMENTAL



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	FCC 15.225 Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Polarity
4	13.3462	41.03	Pk	34	-32.5	-40	2.53	40.51	-37.98	0-360	Face-Off
1	13.3475	45.27	Pk	34	-32.5	-40	6.77	40.51	-33.74	0-360	Face-On
5	13.5579	60.55	Pk	34	-32.5	-40	22.05	84	-61.95	0-360	Face-Off
2	13.56	65.16	Pk	34	-32.5	-40	26.66	84	-57.34	0-360	Face-On
6	13.7686	39.39	Pk	34	-32.5	-40	.89	40.51	-39.62	0-360	Face-Off
3	13.7773	39.92	Pk	34	-32.5	-40	1.42	40.51	-39.09	0-360	Face-On

Pk - Peak detector

SPURIOUS EMISSIONS

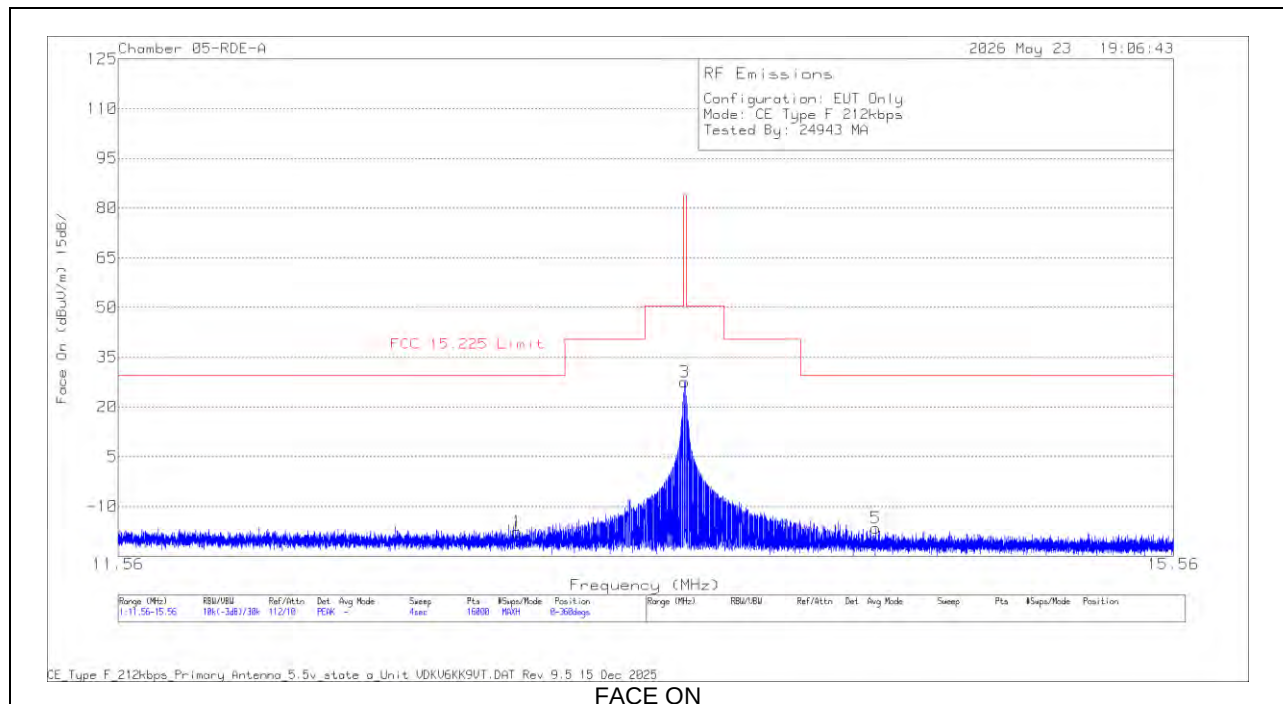
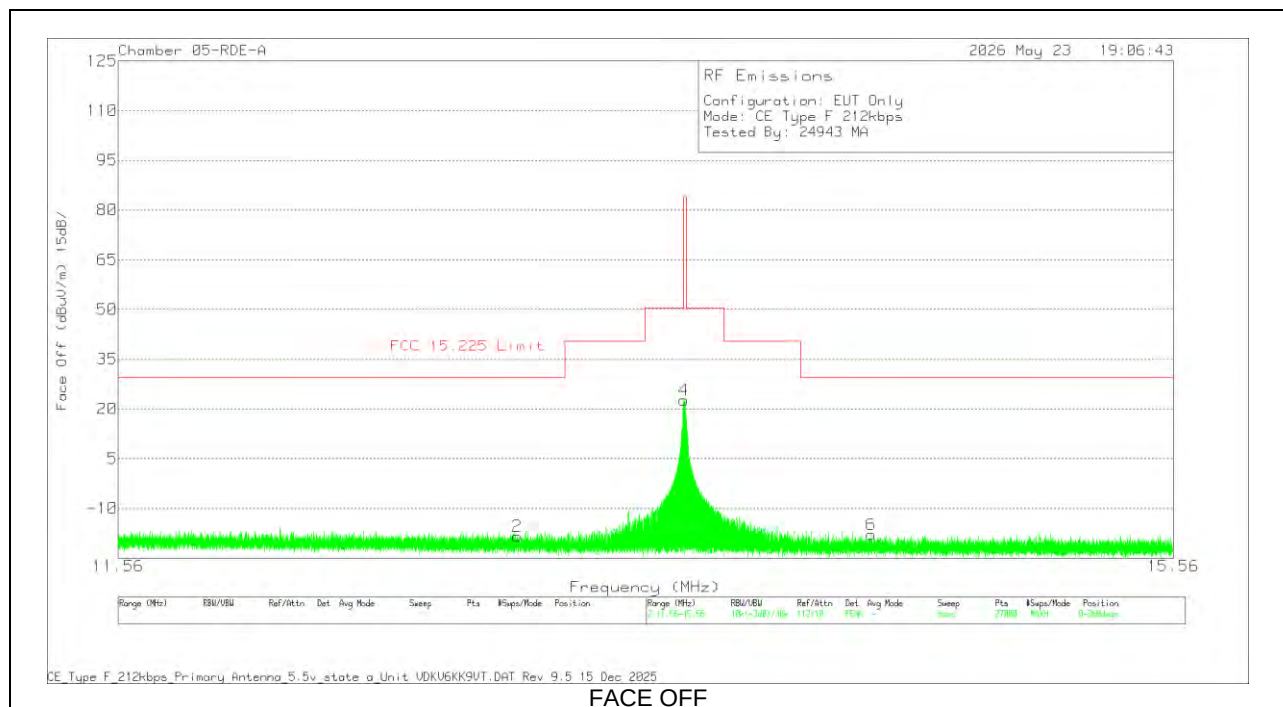
MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 300m (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
2	.0104	16.88	Pk	60.4	-31.6	-80	-34.32	67.23	-101.55	47.23	-81.55	-	-	0-360	Face-Off
1	.0108	12.66	Pk	60.3	-31.7	-80	-38.74	66.95	-105.69	46.95	-85.69	-	-	0-360	Face-On

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
4	.6929	18.38	Pk	56.4	-33	-40	1.78	-	-	-	-	30.8	-29.02	0-360	Face-Off
3	.6941	19.35	Pk	56.4	-33	-40	2.75	-	-	-	-	30.78	-28.03	0-360	Face-On
6	5.6874	21.37	Pk	35.3	-32.7	-40	-16.03	-	-	-	-	29.5	-45.53	0-360	Face-Off
5	5.7188	19.32	Pk	35.3	-32.6	-40	-17.98	-	-	-	-	29.5	-47.48	0-360	Face-On
7	* 13.56	65.03	Pk	34	-32.5	-40	26.53	-	-	-	-	84.00	-57.47	0-360	Face-On
8	* 13.56	60.06	Pk	34	-32.5	-40	21.56	-	-	-	-	84.00	-62.44	0-360	Face-Off

Pk - Peak detector

* - Fundamental

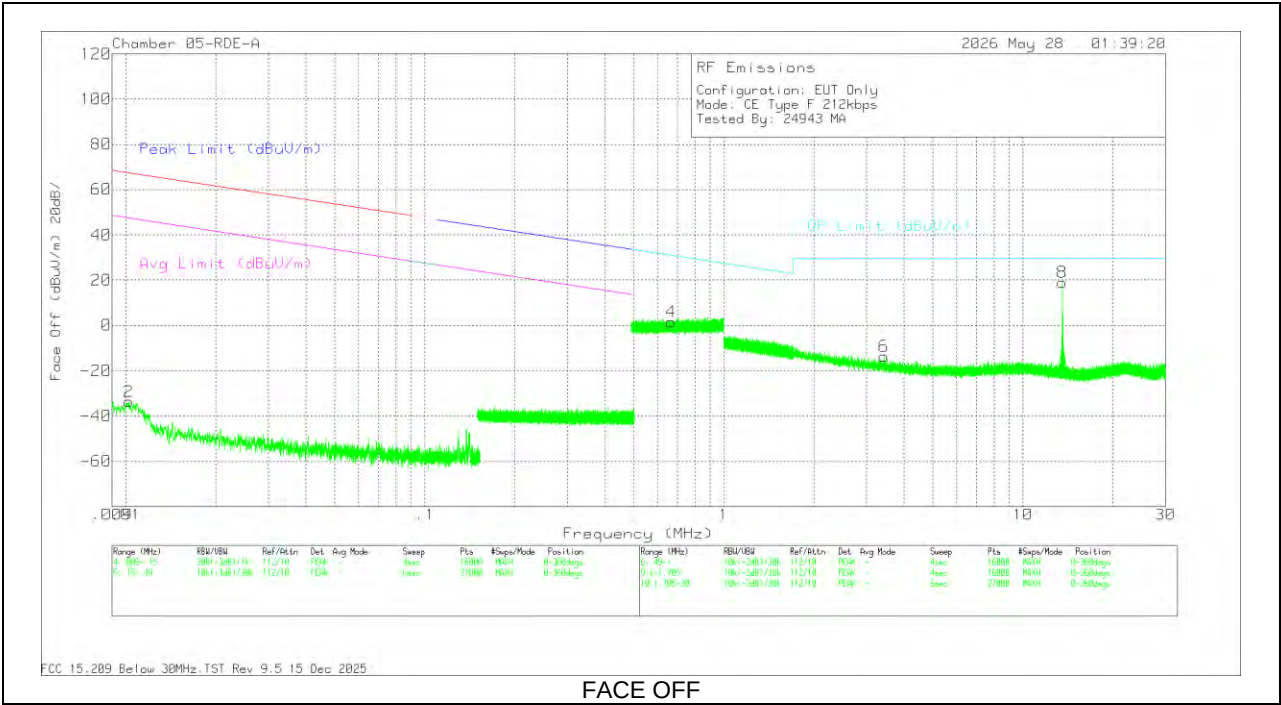
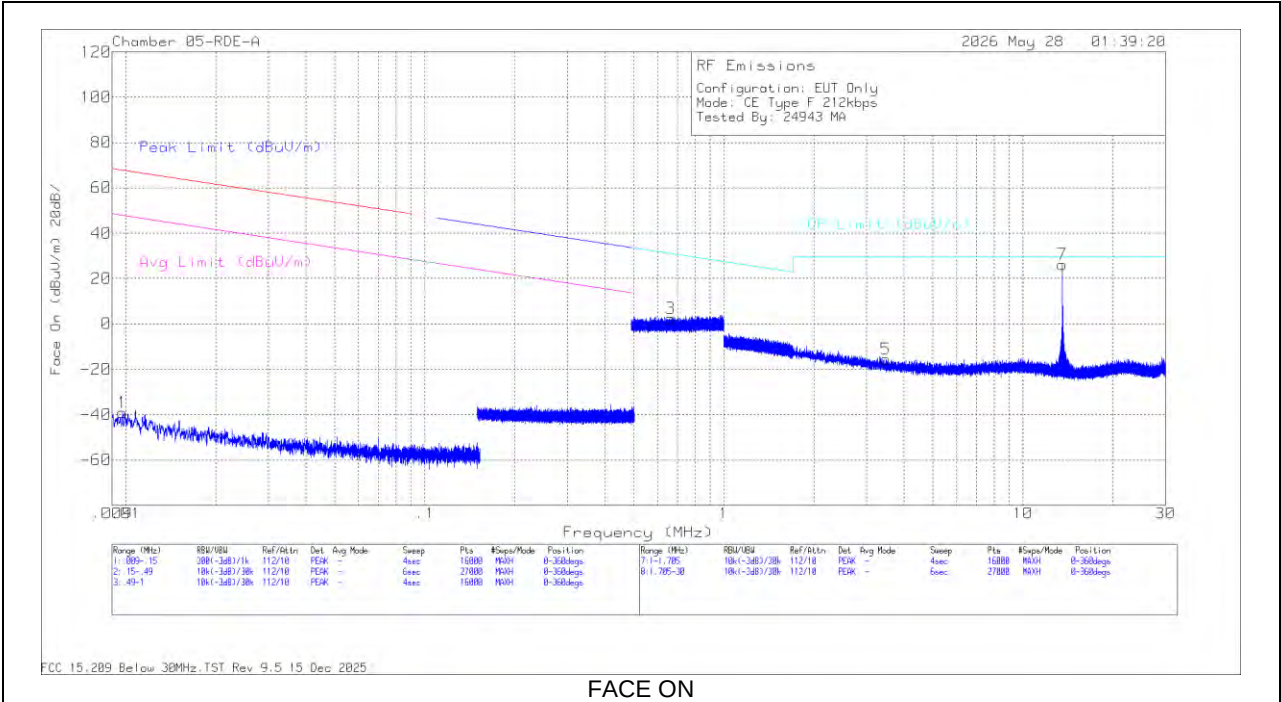
9.1.2. CE MODE: TYPE F, 212 kbps**FUNDAMENTAL****FACE ON****FACE OFF**

MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	FCC 15.225 Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Polarity
1	12.9348	20.82	Pk	34.1	-32.5	-40	-17.58	29.54	-47.12	0-360	Face-On
2	12.9355	20.05	Pk	34.1	-32.5	-40	-18.35	29.54	-47.89	0-360	Face-Off
4	13.5565	61.14	Pk	34	-32.5	-40	22.64	84	-61.36	0-360	Face-Off
3	13.5598	66.14	Pk	34	-32.5	-40	27.64	84	-56.36	0-360	Face-On
6	14.2916	20.68	Pk	33.9	-32.5	-40	-17.92	29.54	-47.46	0-360	Face-Off
5	14.3085	22.15	Pk	33.9	-32.5	-40	-16.45	29.54	-45.99	0-360	Face-On

Pk - Peak detector

SPURIOUS EMISSIONS



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 300m (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.0098	11.77	Pk	60.7	-31.5	-80	-39.03	67.8	-106.83	47.8	-86.83	-	-	0-360	Face-On
2	.0103	17.53	Pk	60.4	-31.6	-80	-33.67	67.37	-101.04	47.37	-81.04	-	-	0-360	Face-Off

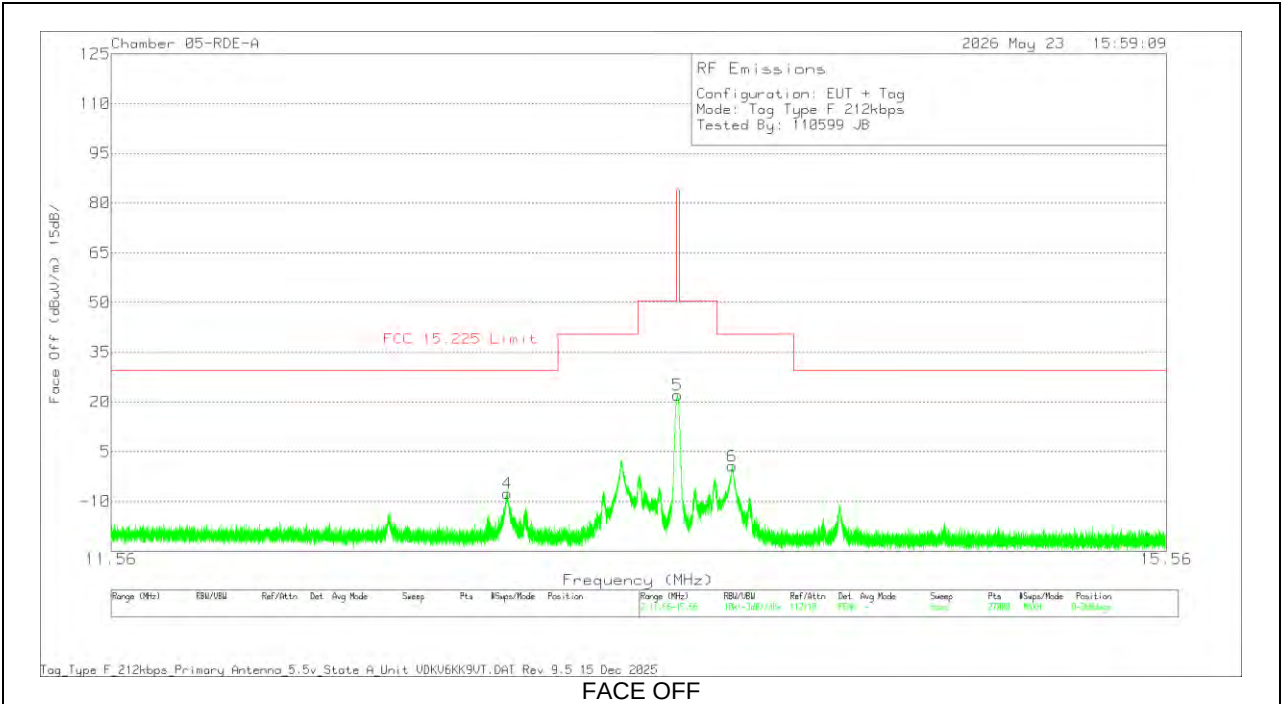
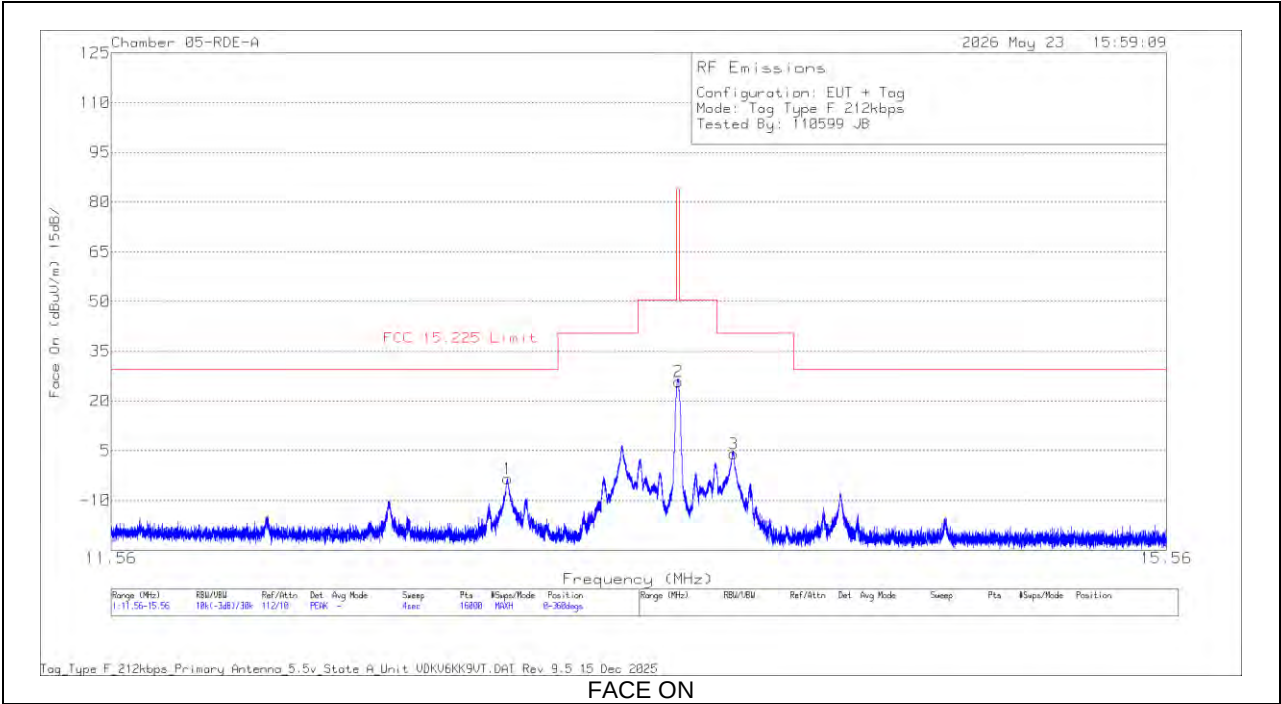
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
3	.6639	19.21	Pk	56.3	-33	-40	2.51	-	-	-	-	31.17	-28.66	0-360	Face-On
4	.6658	18.39	Pk	56.3	-33	-40	1.69	-	-	-	-	31.14	-29.45	0-360	Face-Off
6	3.4311	21.26	Pk	38	-32.8	-40	-13.54	-	-	-	-	29.5	-43.04	0-360	Face-On
5	3.4845	19.28	Pk	37.9	-32.8	-40	-15.62	-	-	-	-	29.5	-45.12	0-360	Face-Off
7	* 13.5579	64.62	Pk	34	-32.5	-40	26.12	-	-	-	-	84.00	-57.88	0-360	Face-On
8	* 13.5652	57.51	Pk	34	-32.5	-40	19.01	-	-	-	-	84.00	-64.99	0-360	Face-Off

Pk - Peak detector

* - Fundamental

9.1.3. TAG MODE: TYPE F, 212 kbps

FUNDAMENTAL

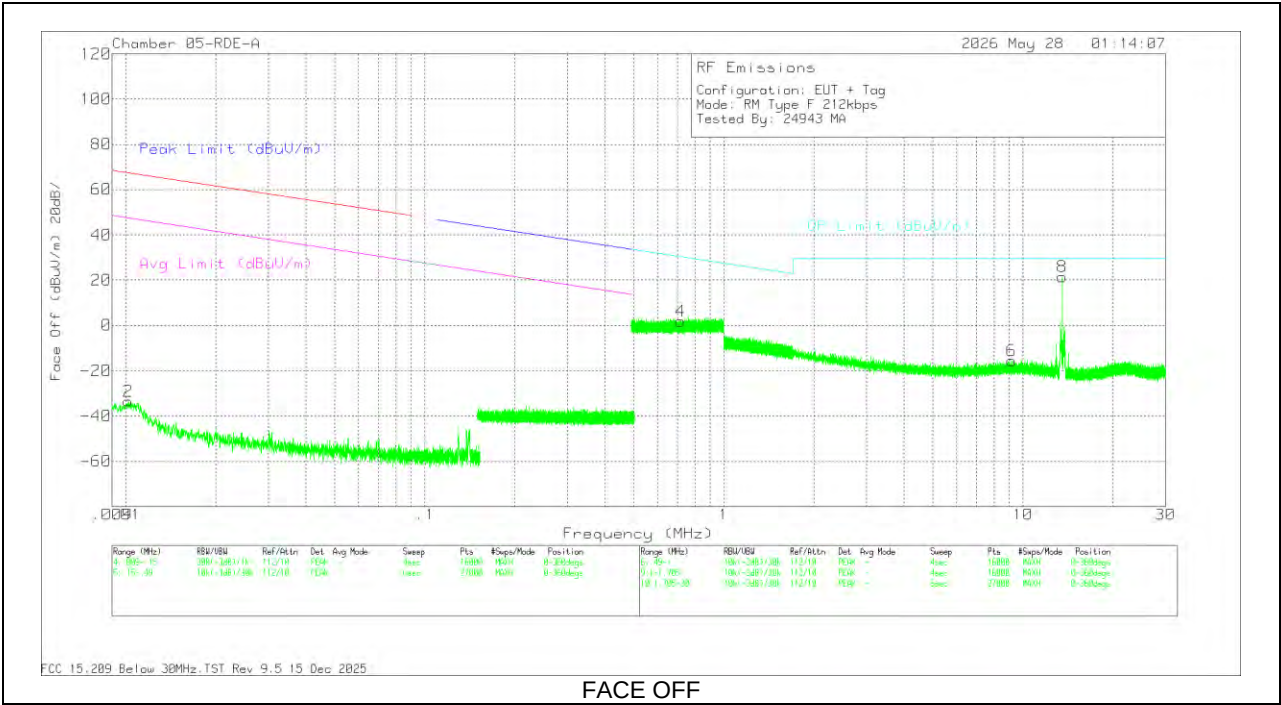
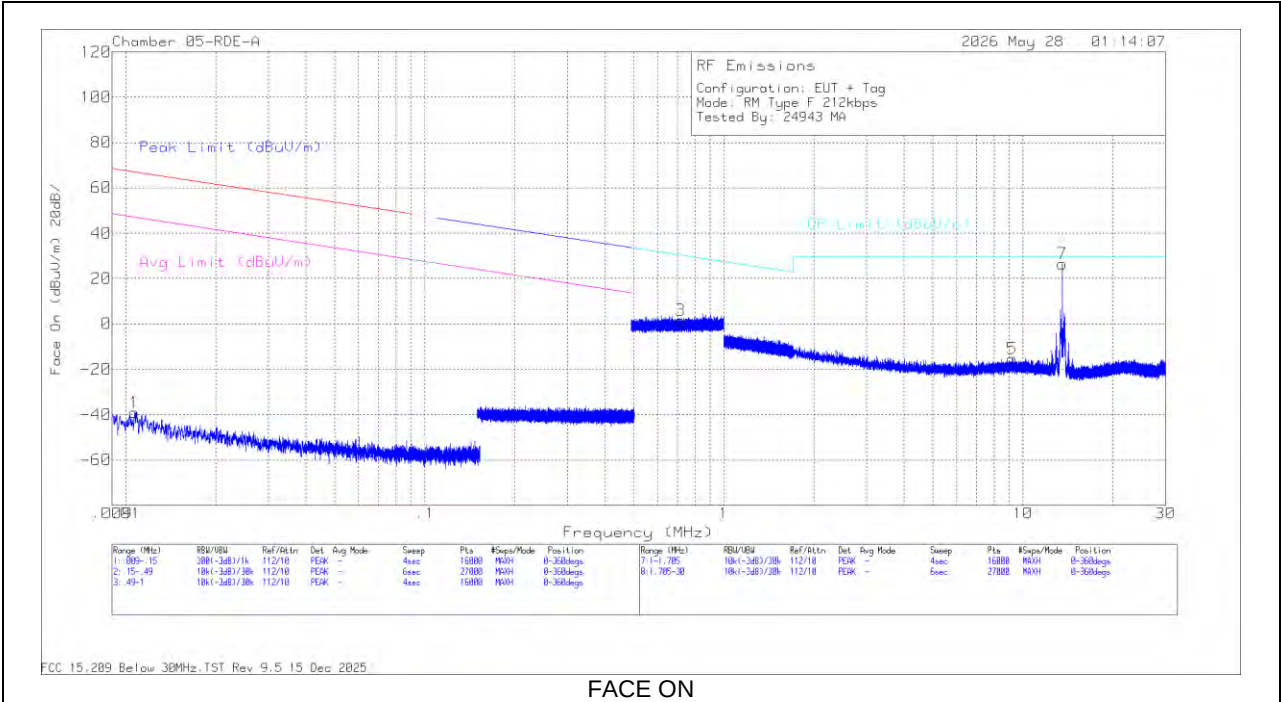


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	FCC 15.225 Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Polarity
4	12.9246	30.85	Pk	34.1	-32.5	-40	-7.55	29.54	-37.09	0-360	Face-Off
1	12.9258	34.98	Pk	34.1	-32.5	-40	-3.42	29.54	-32.96	0-360	Face-On
5	13.5579	60.62	Pk	34	-32.5	-40	22.12	84	-61.88	0-360	Face-Off
2	13.5625	64.42	Pk	34	-32.5	-40	25.92	84	-58.08	0-360	Face-On
6	13.7685	39.11	Pk	34	-32.5	-40	.61	40.51	-39.9	0-360	Face-Off
3	13.7748	42.52	Pk	34	-32.5	-40	4.02	40.51	-36.49	0-360	Face-On

Pk - Peak detector

SPURIOUS EMISSIONS



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 300m (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
2	.0102	17.77	Pk	60.4	-31.6	-80	-33.43	67.42	-100.85	47.42	-80.85	-	-	0-360	Face-Off
1	.0107	12.33	Pk	60.3	-31.7	-80	-39.07	66.99	-106.06	46.99	-86.06	-	-	0-360	Face-On

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
3	.7154	18.09	Pk	56.4	-33	-40	1.49	-	-	-	-	30.52	-29.03	0-360	Face-On
4	.7178	18.49	Pk	56.4	-33	-40	1.89	-	-	-	-	30.49	-28.6	0-360	Face-Off
6	9.1489	22.53	Pk	34.5	-32.6	-40	-15.57	-	-	-	-	29.5	-45.07	0-360	Face-Off
5	9.2275	22.8	Pk	34.5	-32.6	-40	-15.3	-	-	-	-	29.5	-44.8	0-360	Face-On
7	* 13.5589	64.92	Pk	34	-32.5	-40	25.62	-	-	-	-	84.00	-57.58	0-360	Face-On
8	* 13.56	60.04	Pk	34	-32.5	-40	21.54	-	-	-	-	84.00	-62.46	0-360	Face-Off

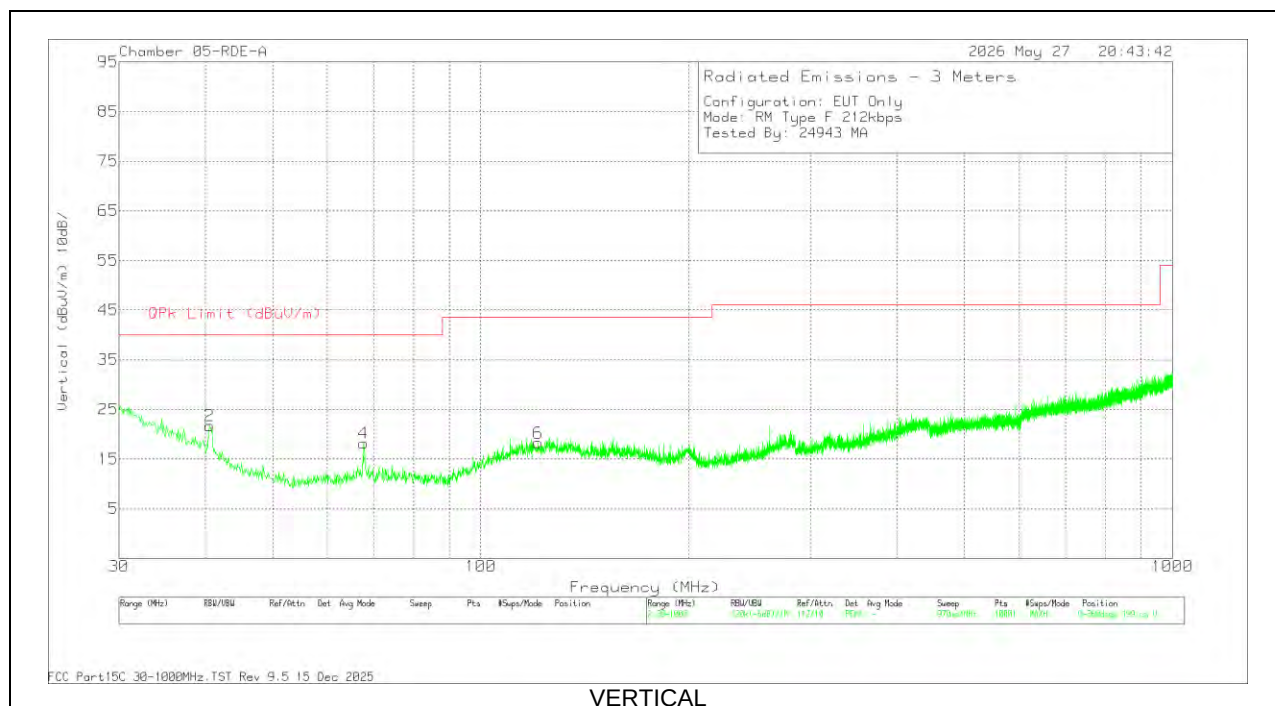
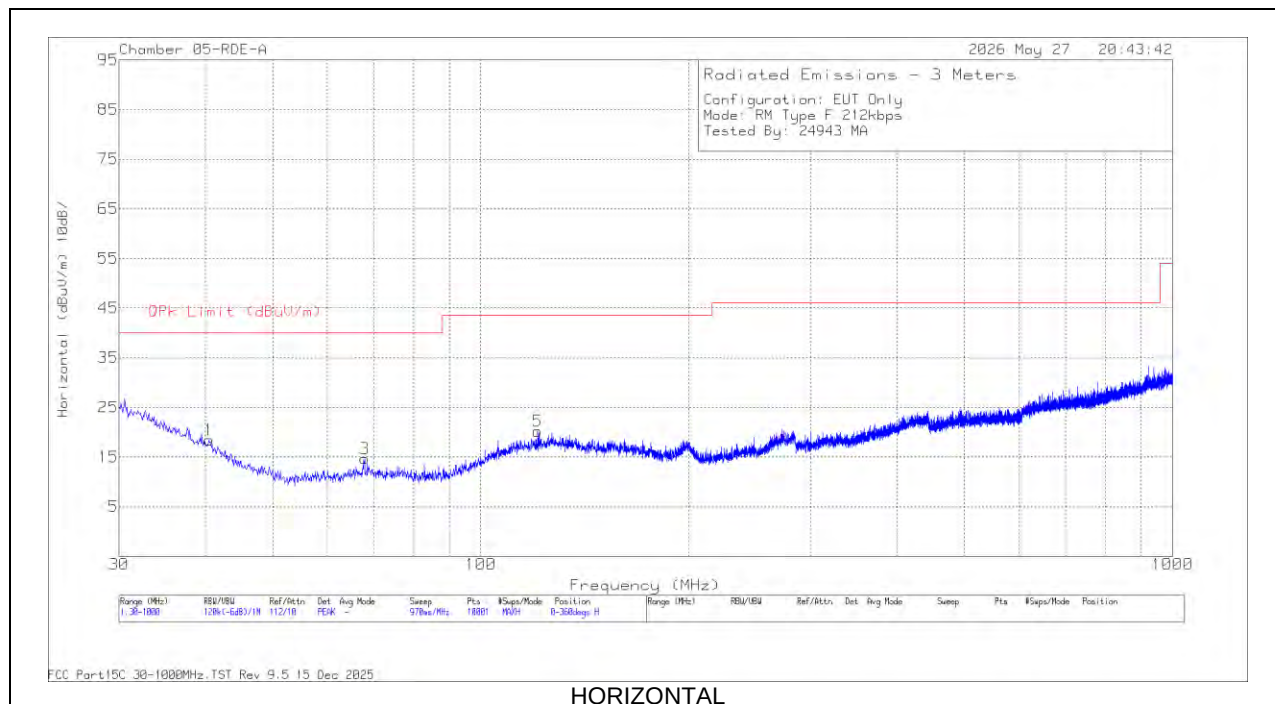
Pk - Peak detector

* - Fundamental

9.2. PRIMARY ANTENNA TX SPURIOUS EMISSIONS (30 MHz - 1 GHz)

9.2.1. READER MODE: TYPE F, 212 kbps

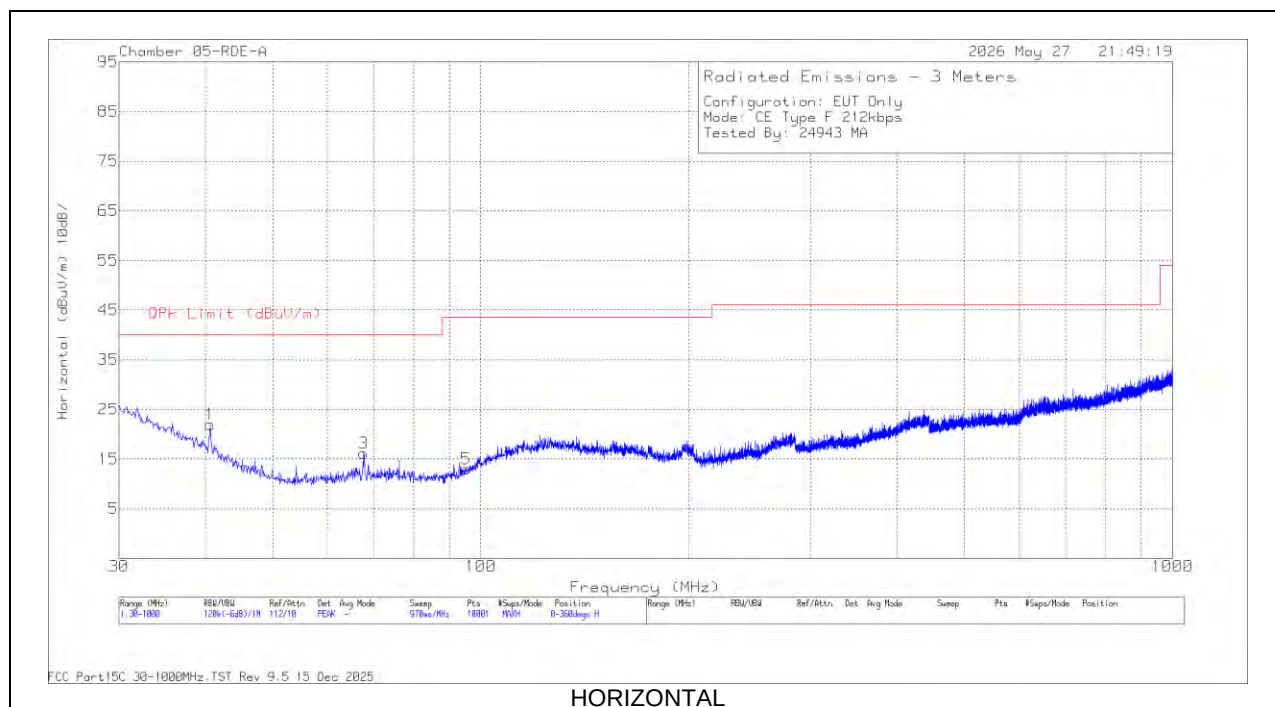
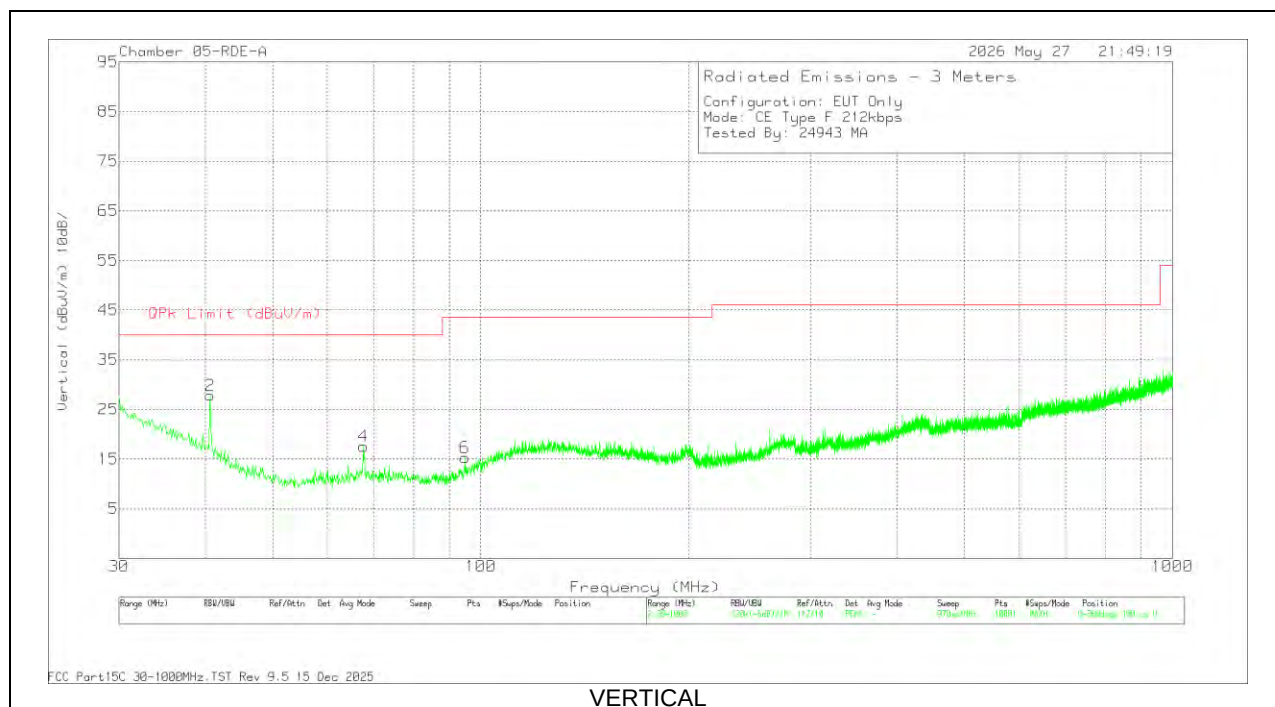
SPURIOUS EMISSIONS



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	204045 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	120.889	31.92	Pk	19.8	-31.5	20.22	43.52	-23.3	0-360	101	H
6	120.986	29.95	Pk	19.8	-31.5	18.25	43.52	-25.27	0-360	199	V
1	40.476	31.28	Pk	19.3	-32.1	18.48	40	-21.52	0-360	299	H
2	40.573	34.66	Pk	19.2	-32.1	21.76	40	-18.24	0-360	101	V
4	67.733	36.01	Pk	14.1	-31.9	18.21	40	-21.79	0-360	199	V
3	67.927	32.51	Pk	14.1	-31.9	14.71	40	-25.29	0-360	199	H

Pk - Peak detector

9.2.2. CE MODE: TYPE F, 212 kbps**SPURIOUS EMISSIONS****HORIZONTAL****VERTICAL**

MEASURED DATA

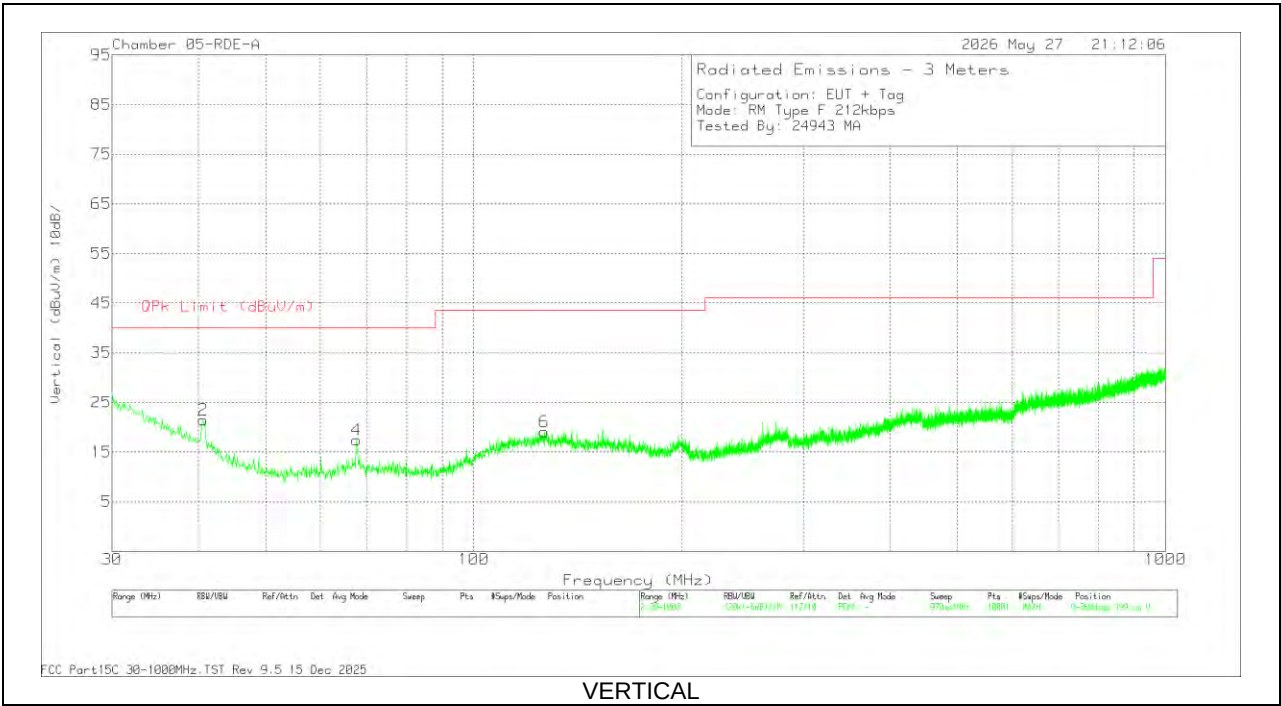
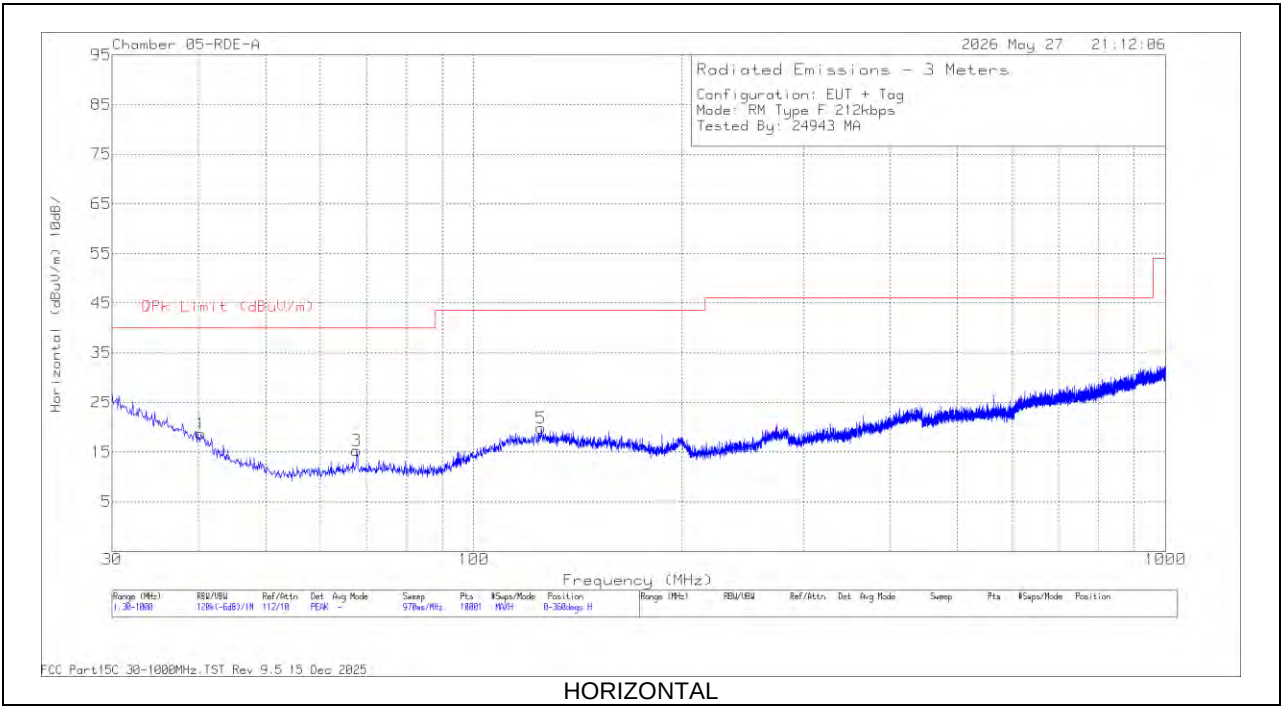
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	204045 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.67	34.84	Pk	19.2	-32.1	21.94	40	-18.06	0-360	399	H
2	40.67	40.73	Pk	19.2	-32.1	27.83	40	-12.17	0-360	100	V
3	67.733	33.94	Pk	14.1	-31.9	16.14	40	-23.86	0-360	299	H
4	67.733	35.35	Pk	14.1	-31.9	17.55	40	-22.45	0-360	100	V
6	94.893	32.15	Pk	14.8	-31.7	15.25	43.52	-28.27	0-360	199	V
5	95.184	29.84	Pk	14.9	-31.7	13.04	43.52	-30.48	0-360	399	H

Pk - Peak detector

Qp - Quasi-Peak detector

9.2.3. TAG MODE: TYPE F, 212 kbps

SPURIOUS EMISSIONS



MEASURED DATA

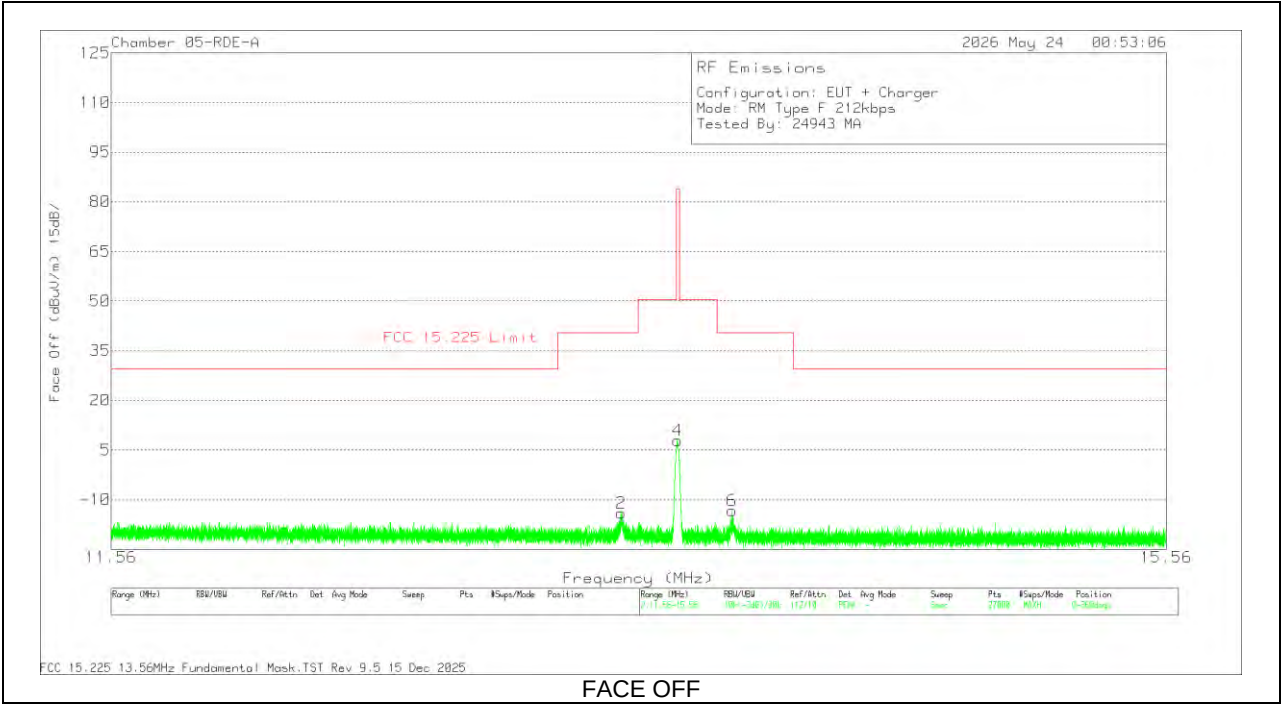
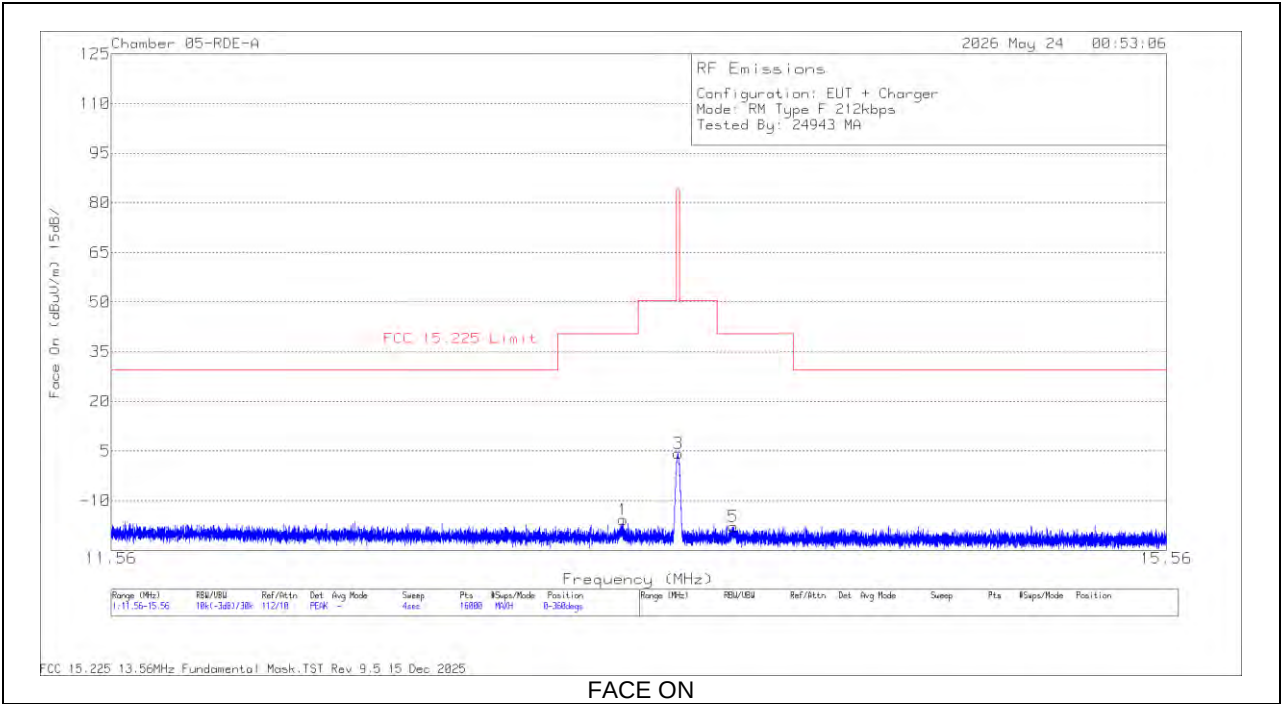
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	204045 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	125.157	31.49	Pk	19.8	-31.5	19.79	43.52	-23.73	0-360	99	H
6	126.321	30.77	Pk	19.8	-31.5	19.07	43.52	-24.45	0-360	101	V
1	40.282	31.25	Pk	19.5	-32.1	18.65	40	-21.35	0-360	299	H
2	40.67	34.37	Pk	19.2	-32.1	21.47	40	-18.53	0-360	101	V
3	67.733	33.11	Pk	14.1	-31.9	15.31	40	-24.69	0-360	199	H
4	67.733	35.26	Pk	14.1	-31.9	17.46	40	-22.54	0-360	101	V

Pk - Peak detector

9.3. SECONDARY ANTENNA FUNDAMENTAL AND SPURIOUS EMISSIONS (0.15 - 30 MHz)

9.3.1. READER MODE: TYPE F, 212 kbps

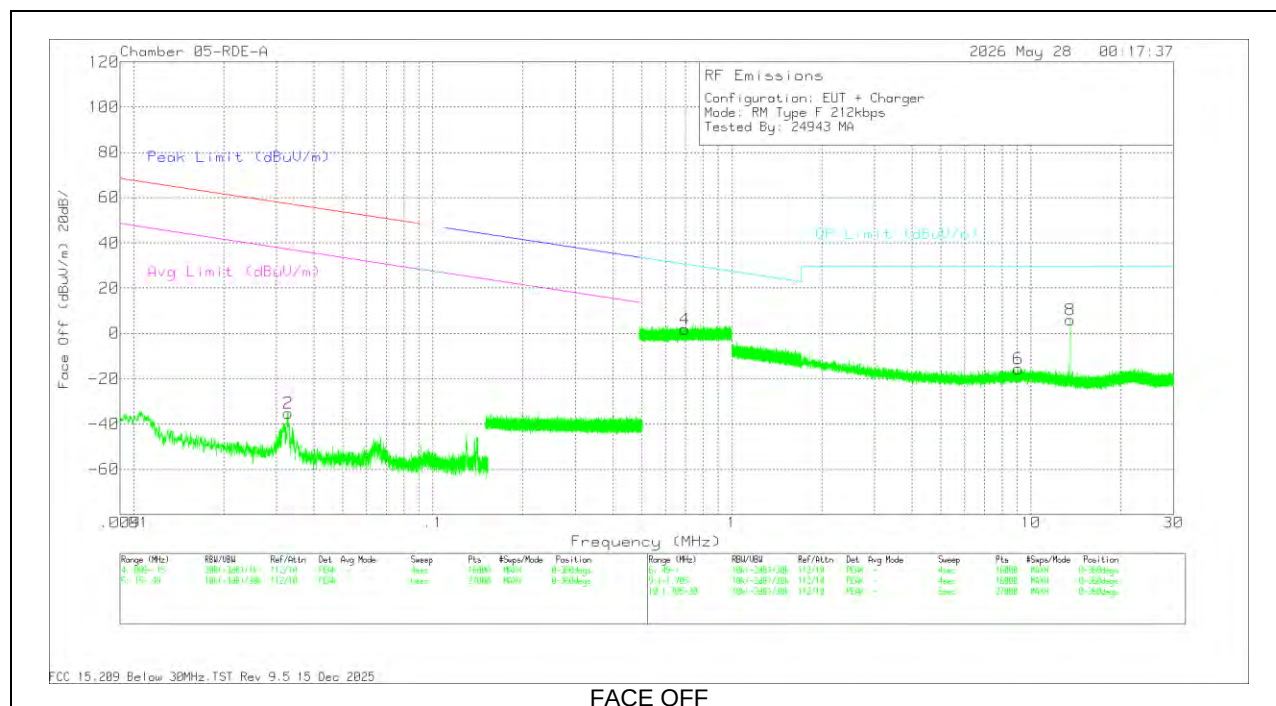
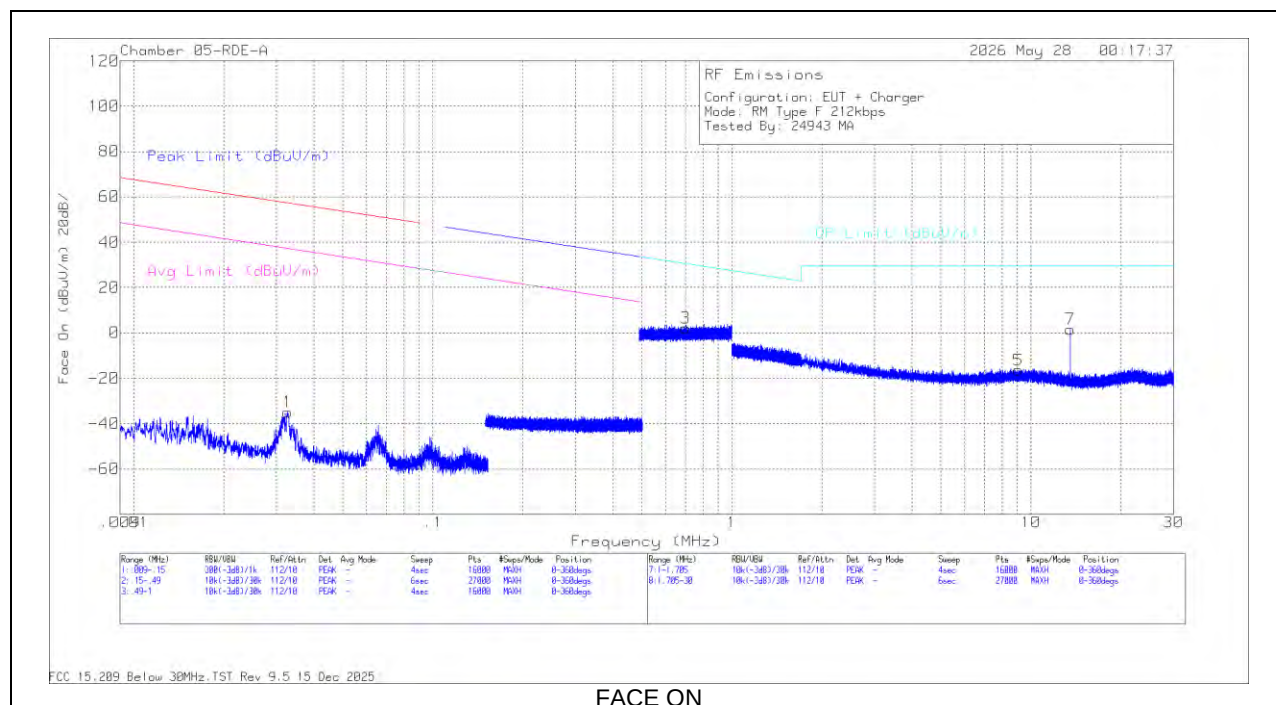
FUNDAMENTAL



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	FCC 15.225 Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Polarity
2	13.3446	24.48	Pk	34	-32.5	-40	-14.02	40.51	-54.53	0-360	Face-Off
1	13.3513	22.8	Pk	34	-32.5	-40	-15.7	40.51	-56.21	0-360	Face-On
4	13.5586	46.4	Pk	34	-32.5	-40	7.9	84	-76.1	0-360	Face-Off
3	13.5605	42.77	Pk	34	-32.5	-40	4.27	84	-79.73	0-360	Face-On
6	13.7698	25.26	Pk	34	-32.5	-40	-13.24	40.51	-53.75	0-360	Face-Off
5	13.7725	20.61	Pk	34	-32.5	-40	-17.89	40.51	-58.4	0-360	Face-On

Pk - Peak detector

SPURIOUS EMISSIONS

MEASURED DATA

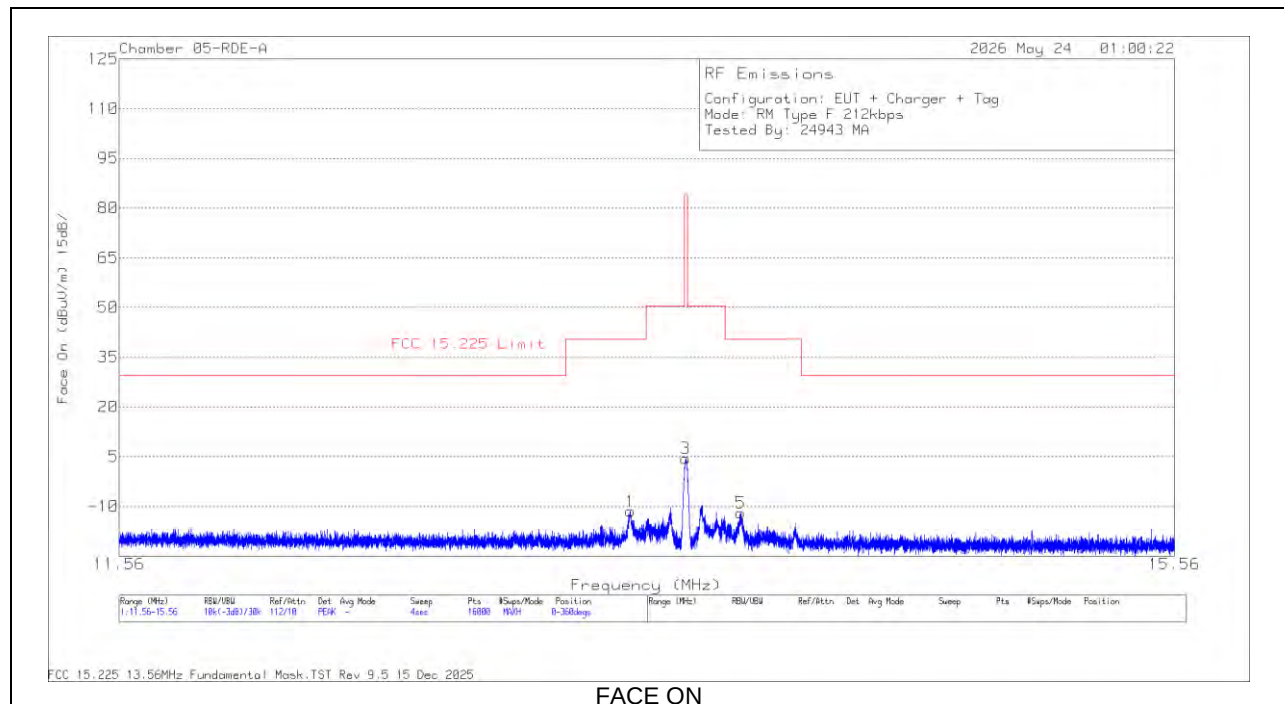
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 300m (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.0326	20.09	Pk	57.8	-32.8	-80	-34.91	57.31	-92.22	37.31	-72.22	-	-	0-360	Face-On
2	.0328	19.77	Pk	57.8	-32.8	-80	-35.23	57.27	-92.5	37.27	-72.5	-	-	0-360	Face-Off

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
4	.6974	18.43	Pk	56.4	-33	-40	1.83	-	-	-	-	30.74	-28.91	0-360	Face-Off
3	.7001	18.79	Pk	56.4	-33	-40	2.19	-	-	-	-	30.71	-28.52	0-360	Face-On
6	9.0693	22.57	Pk	34.5	-32.6	-40	-15.53	-	-	-	-	29.5	-45.03	0-360	Face-Off
5	9.0955	21.58	Pk	34.5	-32.6	-40	-16.52	-	-	-	-	29.5	-46.02	0-360	Face-On
7	* 13.561	40.16	Pk	34	-32.5	-40	1.66	-	-	-	-	84.00	-82.34	0-360	Face-On
8	* 13.561	44.6	Pk	34	-32.5	-40	6.1	-	-	-	-	84.00	-77.90	0-360	Face-Off

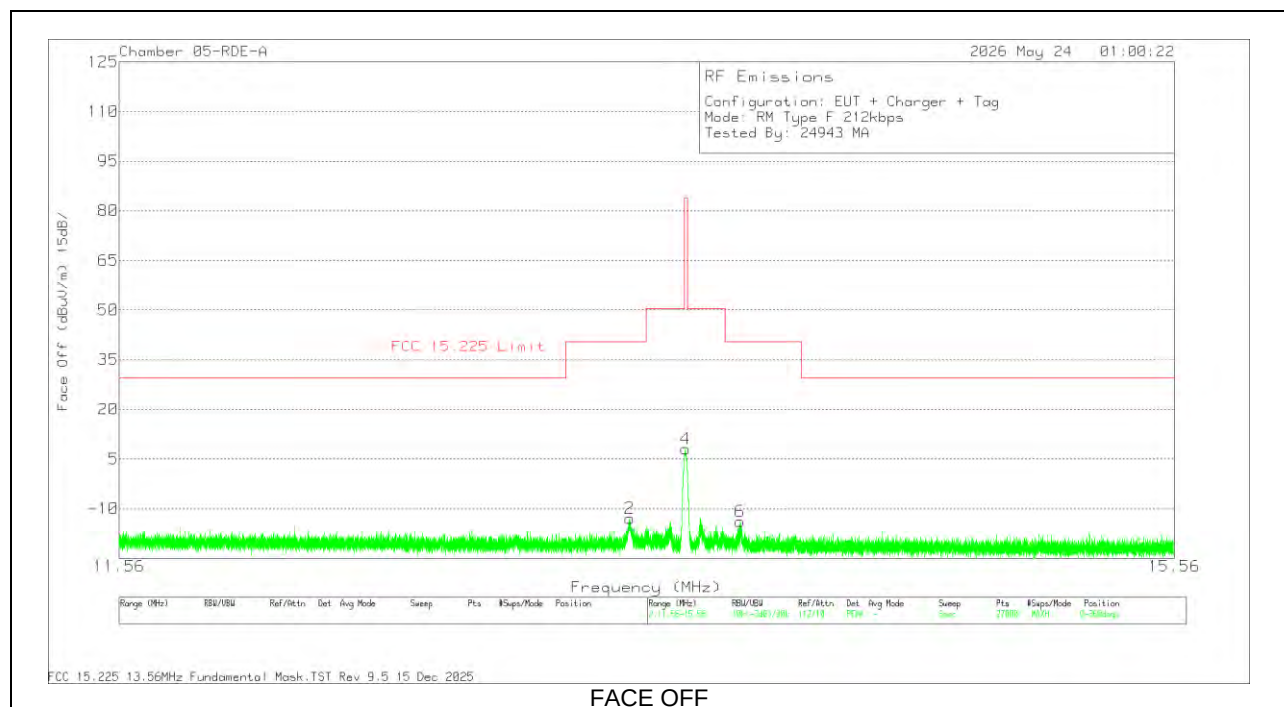
Pk - Peak detector

* - Fundamental

NOTE: The emission observed from 0.6 MHz to 1 MHz are ambient noise floor.

9.3.2. TAG MODE: TYPE F, 212 kbps**FUNDAMENTAL**

FACE ON

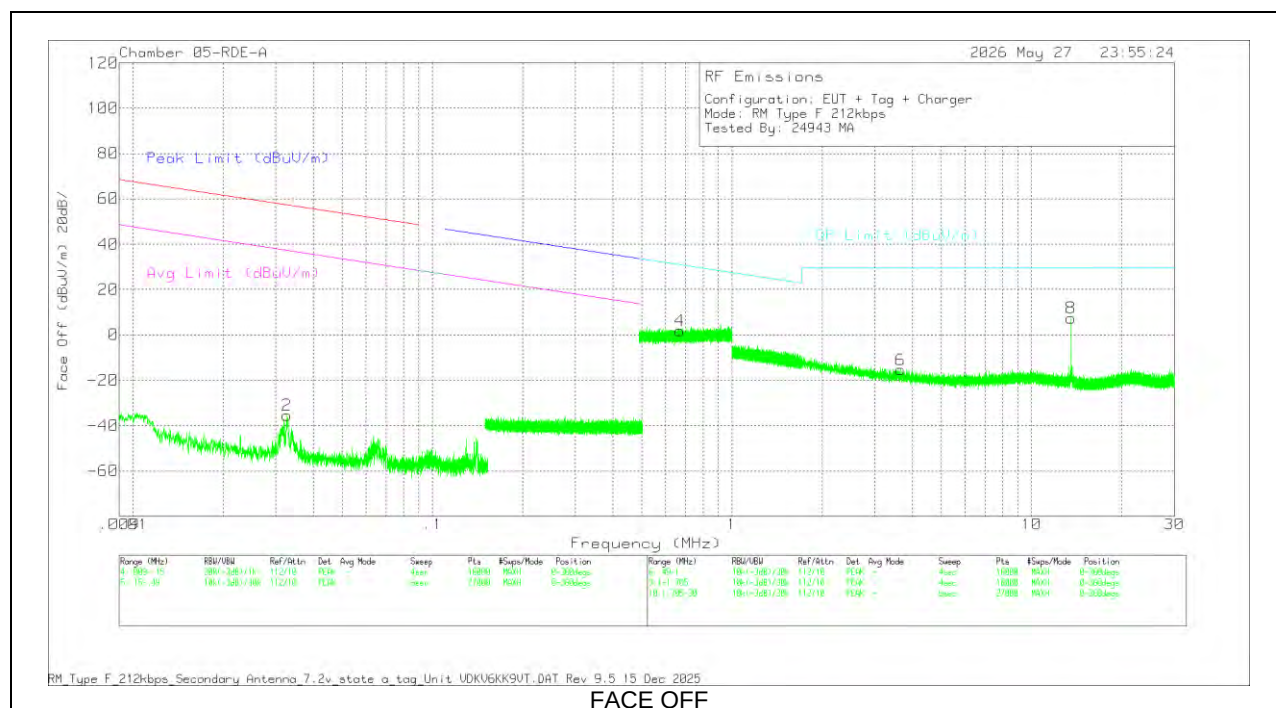
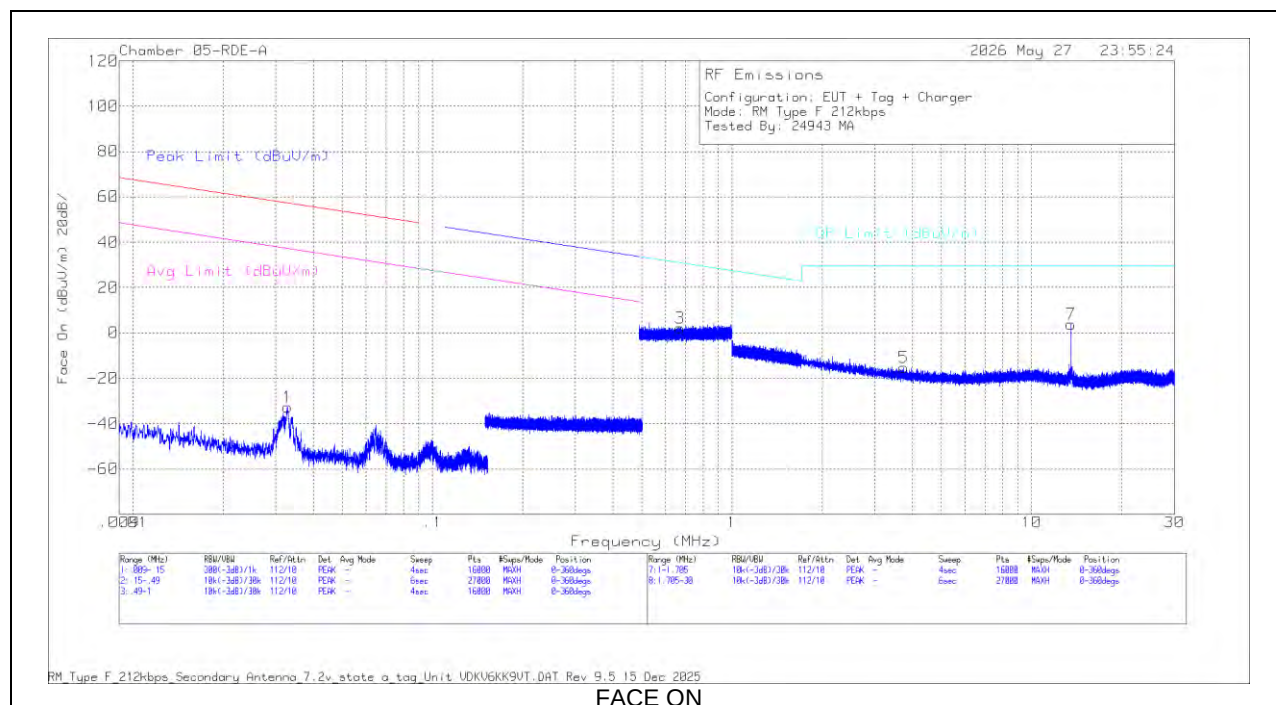


FACE OFF

MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	FCC 15.225 Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Polarity
2	13.3467	25.58	Pk	34	-32.5	-40	-12.92	40.51	-53.43	0-360	Face-Off
1	13.349	26.99	Pk	34	-32.5	-40	-11.51	40.51	-52.02	0-360	Face-On
4	13.558	46.6	Pk	34	-32.5	-40	8.1	84	-75.9	0-360	Face-Off
3	13.5588	43.01	Pk	34	-32.5	-40	4.51	84	-79.49	0-360	Face-On
6	13.7686	24.7	Pk	34	-32.5	-40	-13.8	40.51	-54.31	0-360	Face-Off
5	13.7718	26.52	Pk	34	-32.5	-40	-11.98	40.51	-52.49	0-360	Face-On

Pk - Peak detector

SPURIOUS EMISSIONS

MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 300m (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
2	.0328	19.43	Pk	57.8	-32.8	-80	-35.57	57.28	-92.85	37.28	-72.85	-	-	0-360	Face-Off
1	.0329	22.19	Pk	57.8	-32.8	-80	-32.81	57.25	-90.06	37.25	-70.06	-	-	0-360	Face-On

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
4	.6711	18.44	Pk	56.4	-33	-40	1.84	-	-	-	-	31.08	-29.24	0-360	Face-Off
3	.6715	18.66	Pk	56.4	-33	-40	2.06	-	-	-	-	31.07	-29.01	0-360	Face-On
6	3.6459	19.67	Pk	37.7	-32.8	-40	-15.43	-	-	-	-	29.5	-44.93	0-360	Face-Off
5	3.7402	20.12	Pk	37.5	-32.8	-40	-15.18	-	-	-	-	29.5	-44.68	0-360	Face-On
8	* 13.5589	45.94	Pk	34	-32.5	-40	7.44	-	-	-	-	84.00	-76.56	0-360	Face-Off
7	* 13.56	42.28	Pk	34	-32.5	-40	3.78	-	-	-	-	84.00	-80.22	0-360	Face-On

Pk - Peak detector

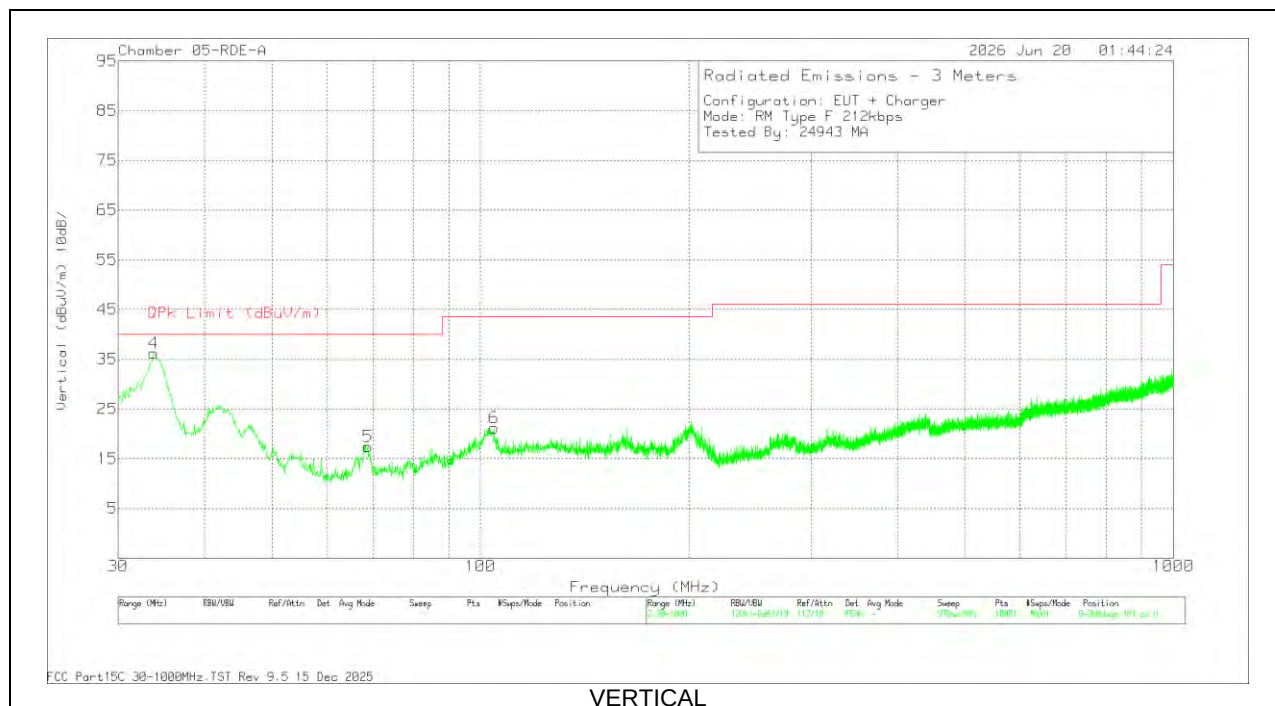
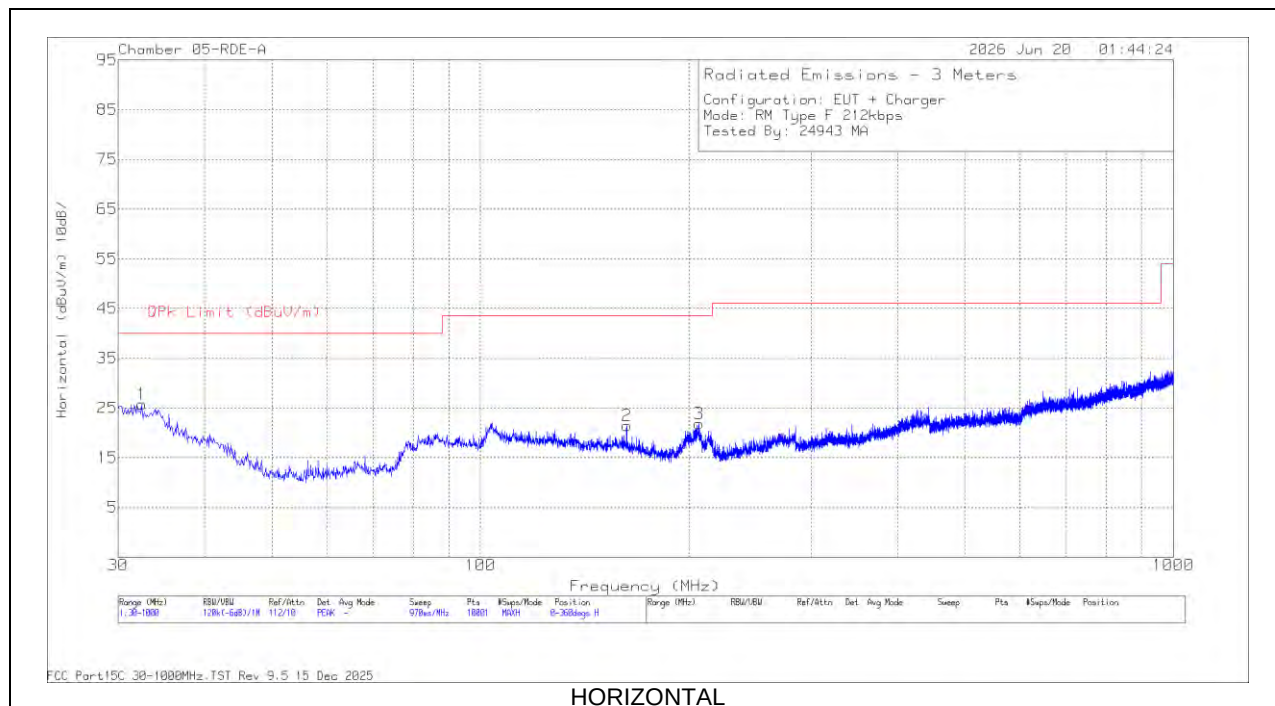
* - Fundamental

NOTE: The emission observed from 0.6 MHz to 1 MHz are ambient noise floor.

9.4. SECONDARY ANTENNA TX SPURIOUS EMISSIONS (30 MHz - 1 GHz)

9.4.1. READER MODE: TYPE F, 212 kbps

SPURIOUS EMISSIONS

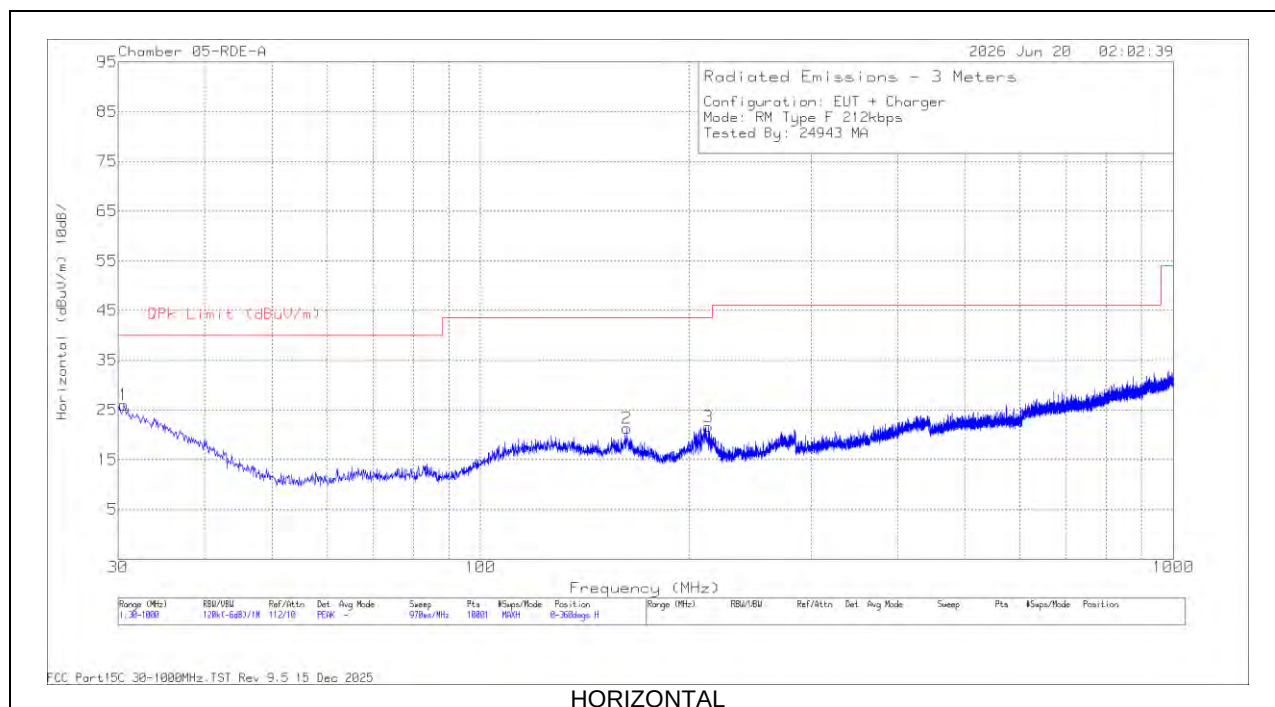
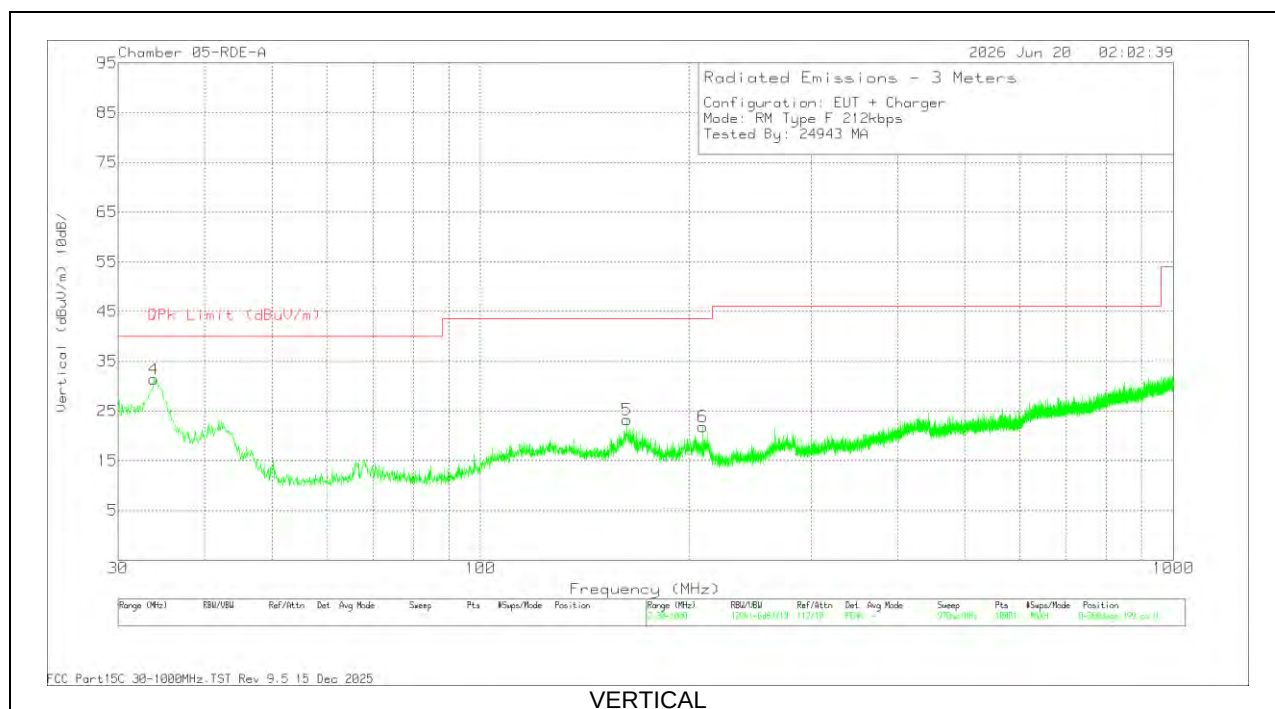


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	204045 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	162.696	34.68	Pk	18.2	-31.4	21.48	43.52	-22.04	0-360	299	H
1	32.425	32.88	Pk	25.2	-32.3	25.78	40	-14.22	0-360	299	H
4	33.783	44.27	Pk	24.3	-32.3	36.27	40	-3.73	0-360	101	V
	34.0167	41.43	Qp	24.1	-32.3	33.23	40	-6.77	57	102	V
5	68.8	35.25	Pk	14.1	-31.9	17.45	40	-22.55	0-360	101	V
6	104.593	35.29	Pk	17.5	-31.6	21.19	43.52	-22.33	0-360	101	V
3	206.734	36.68	Pk	16.3	-31.1	21.88	43.52	-21.64	0-360	99	H

Pk - Peak detector

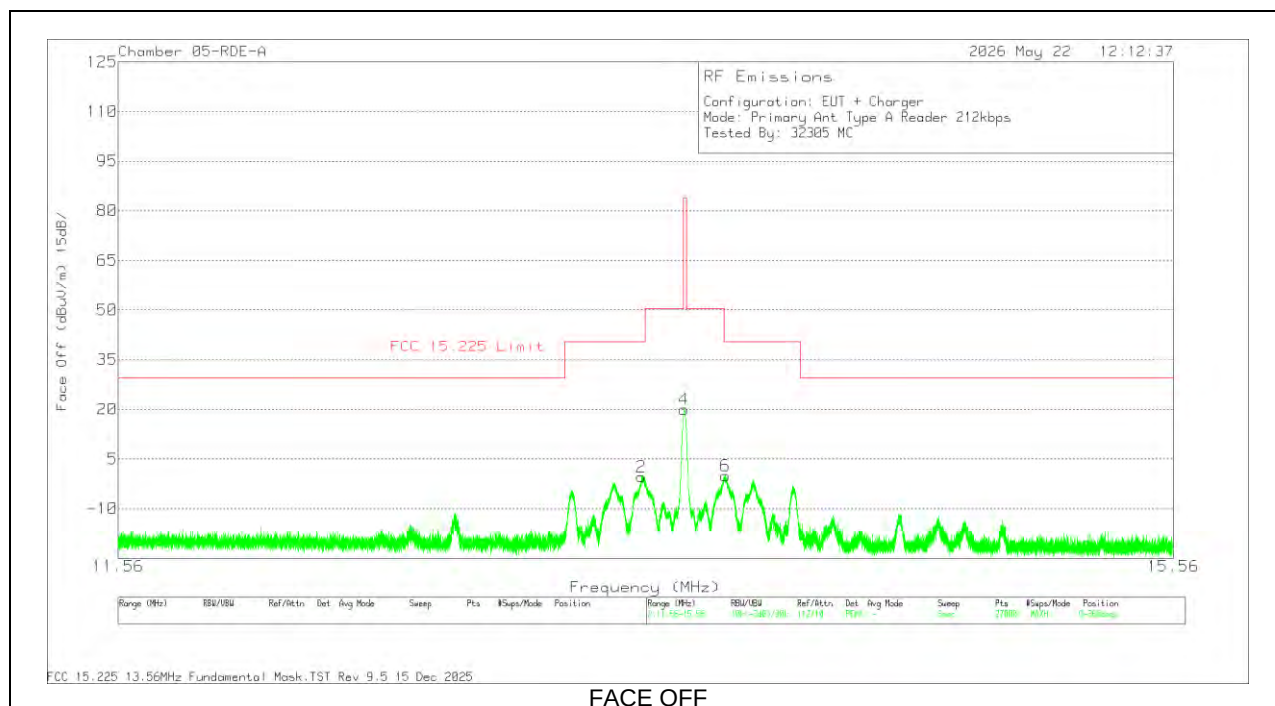
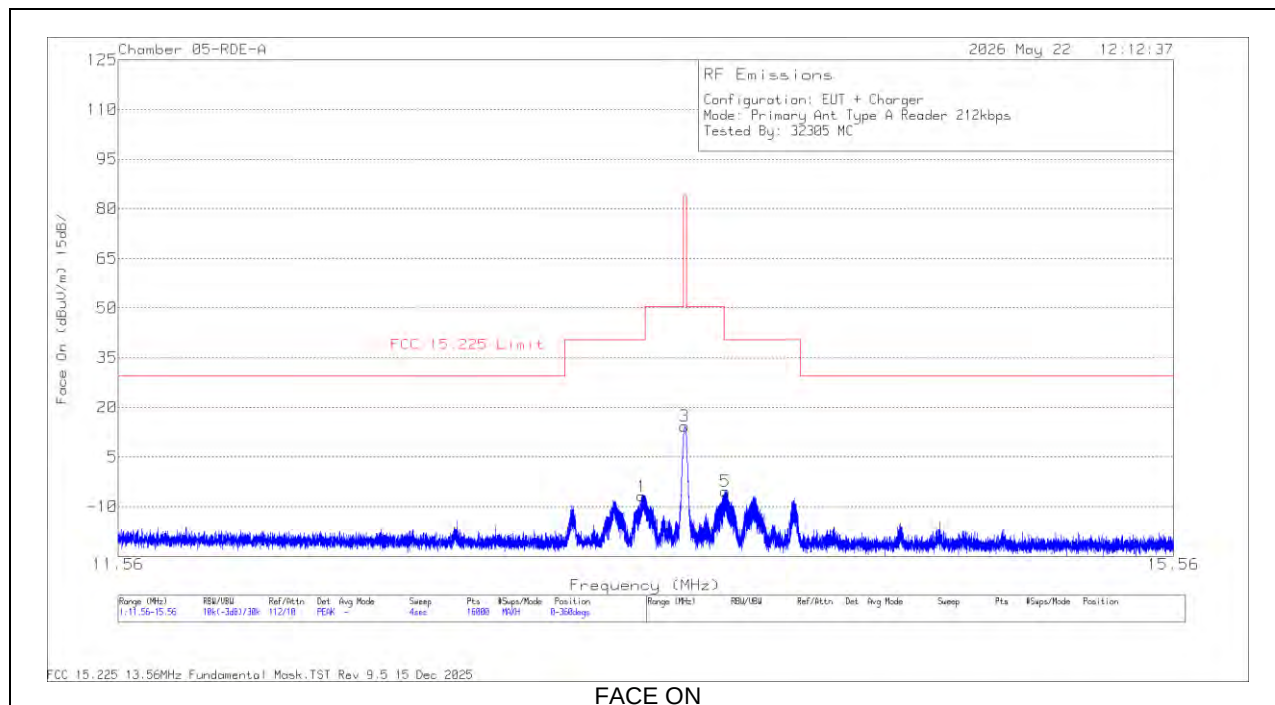
Qp - Quasi-Peak detector

9.4.2. TAG MODE: TYPE F, 212 kbps**SPURIOUS EMISSIONS****HORIZONTAL****VERTICAL**

MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	204045 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	162.696	34.53	Pk	18.2	-31.4	21.33	43.52	-22.19	0-360	300	H
5	162.696	36.42	Pk	18.2	-31.4	23.22	43.52	-20.3	0-360	101	V
1	30.582	31.95	Pk	26.4	-32.3	26.05	40	-13.95	0-360	99	H
4	33.783	39.38	Pk	24.3	-32.3	31.38	40	-8.62	0-360	101	V
6	209.353	36.76	Pk	16.3	-31.2	21.86	43.52	-21.66	0-360	101	V
3	213.427	36.35	Pk	16.4	-31.1	21.65	43.52	-21.87	0-360	99	H

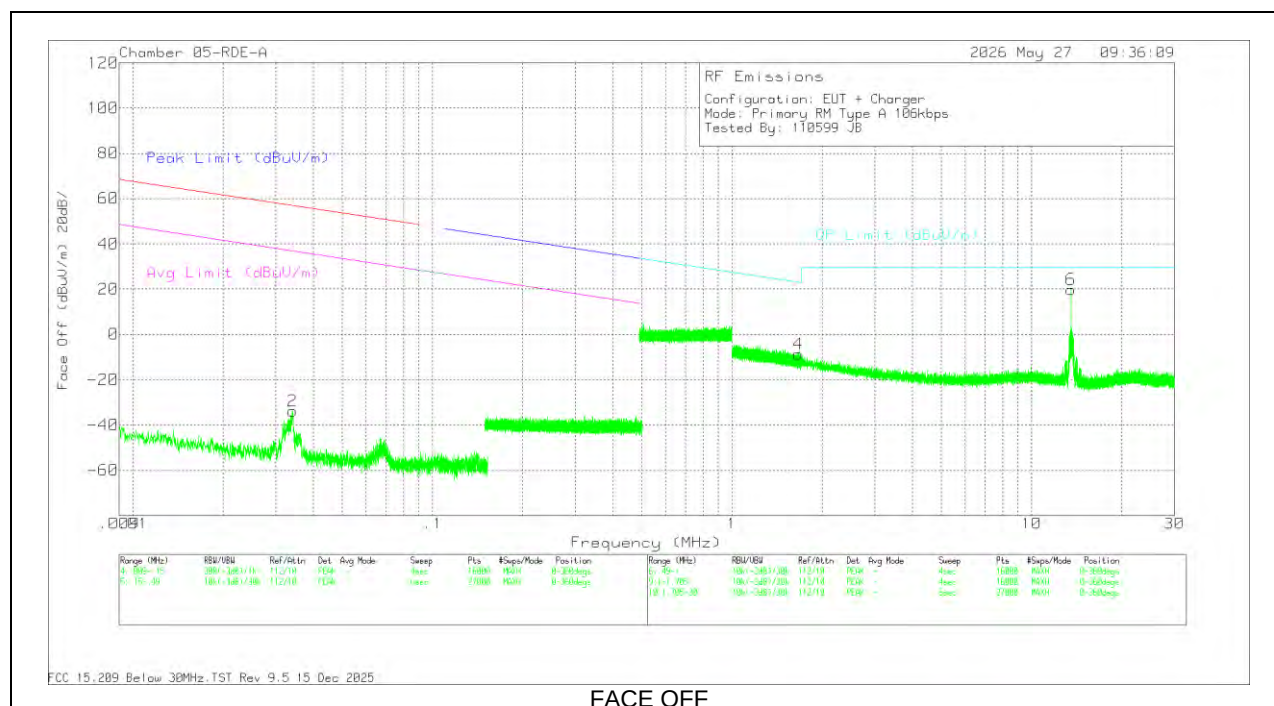
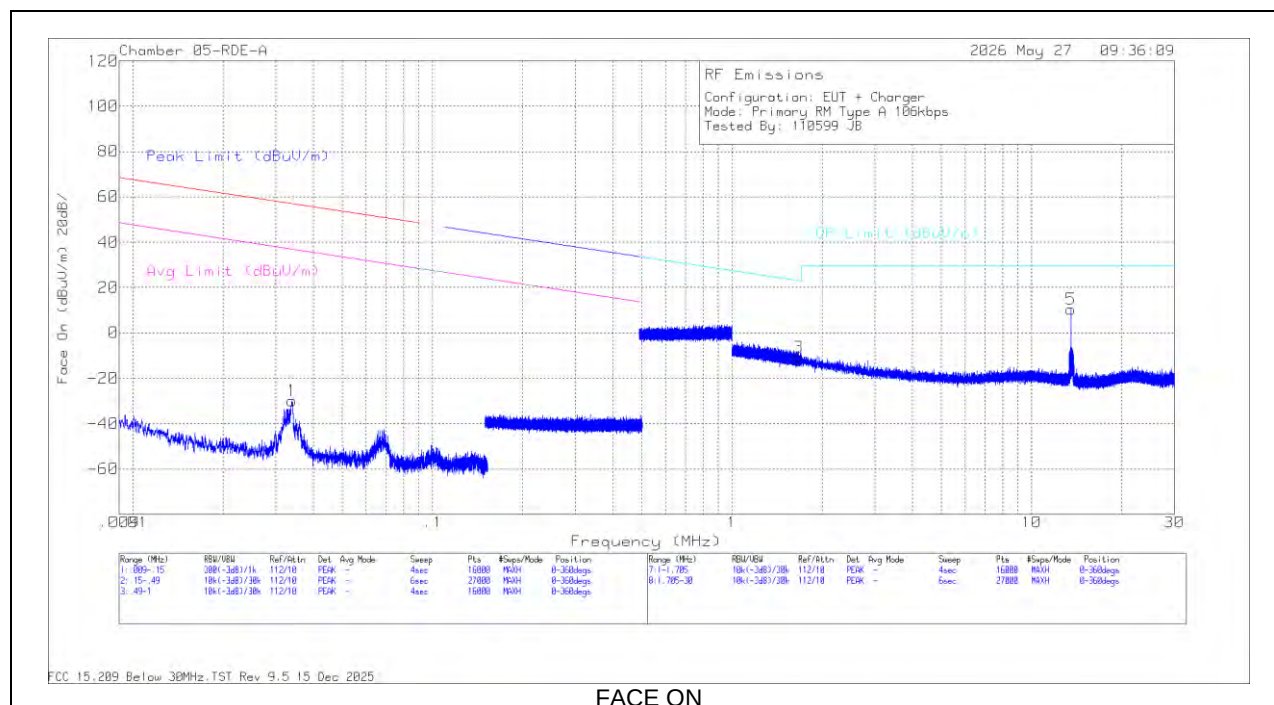
Pk - Peak detector

STATE B**9.5. PRIMARY ANTENNA FUNDAMENTAL AND SPURIOUS EMISSIONS
(0.15 MHz - 30 MHz)****9.5.1. READER MODE: TYPE A, 106 kbps****FUNDAMENTAL**

MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	FCC 15.225 Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Polarity
2	13.3958	38.15	Pk	34	-32.5	-40	-.35	40.51	-40.86	0-360	Face-Off
1	13.396	31.72	Pk	34	-32.5	-40	-6.78	40.51	-47.29	0-360	Face-On
4	13.5568	58.47	Pk	34	-32.5	-40	19.97	84	-64.03	0-360	Face-Off
3	13.5598	52.79	Pk	34	-32.5	-40	14.29	84	-69.71	0-360	Face-On
5	13.7148	33.07	Pk	34	-32.5	-40	-5.43	40.51	-45.94	0-360	Face-On
6	13.715	38.42	Pk	34	-32.5	-40	-.08	40.51	-40.59	0-360	Face-Off

Pk - Peak detector

SPURIOUS EMISSIONS

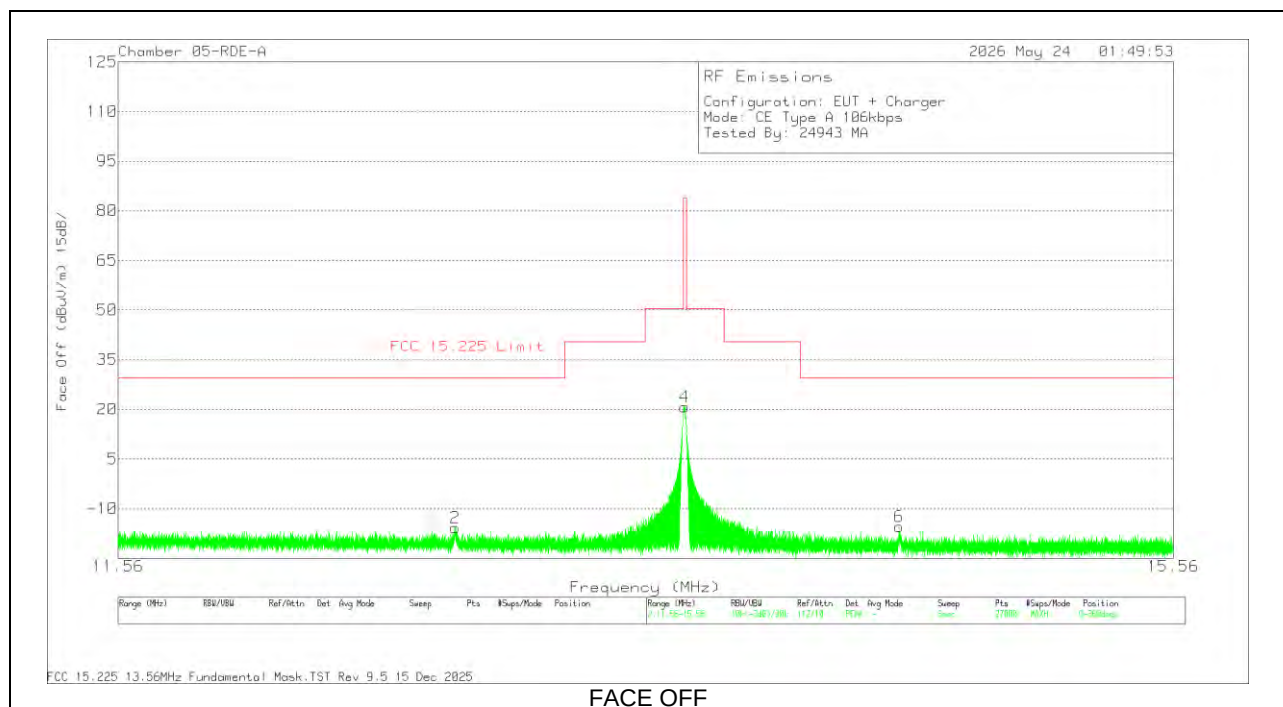
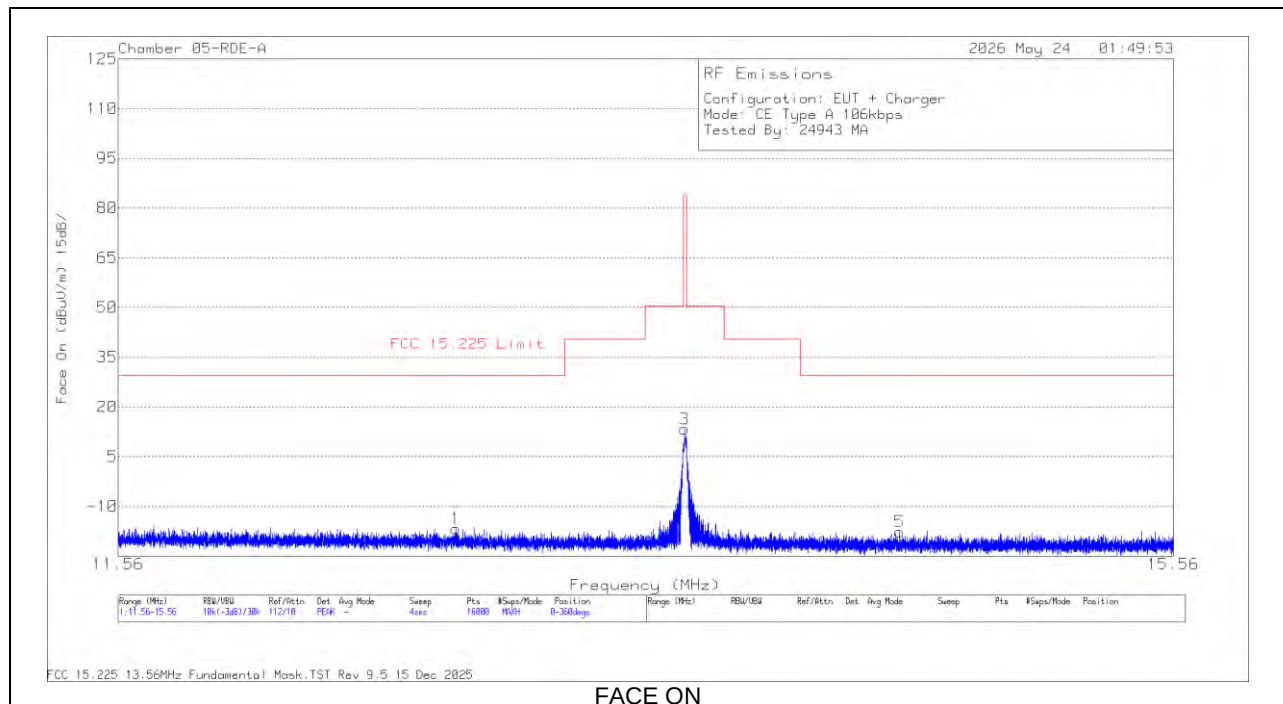
MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.0339	25.06	Pk	57.7	-32.8	-80	-30.04	56.97	-87.01	36.97	-67.01	-	-	0-360	Face-On
2	.0341	21.26	Pk	57.7	-32.8	-80	-33.84	56.93	-90.77	36.93	-70.77	-	-	0-360	Face-Off

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
3	1.6656	18.9	Pk	43.3	-32.9	-40	-10.7	-	-	-	-	23.2	-33.9	0-360	Face-On
4	1.6666	21.04	Pk	43.3	-32.9	-40	-8.56	-	-	-	-	23.2	-31.76	0-360	Face-Off
5	* 13.56	48.96	Pk	34	-32.5	-40	10.46	-	-	-	-	84.00	-73.54	0-360	Face-On
6	* 13.56	58.25	Pk	34	-32.5	-40	19.75	-	-	-	-	84.00	-64.25	0-360	Face-Off

Pk - Peak detector

* - Fundamental

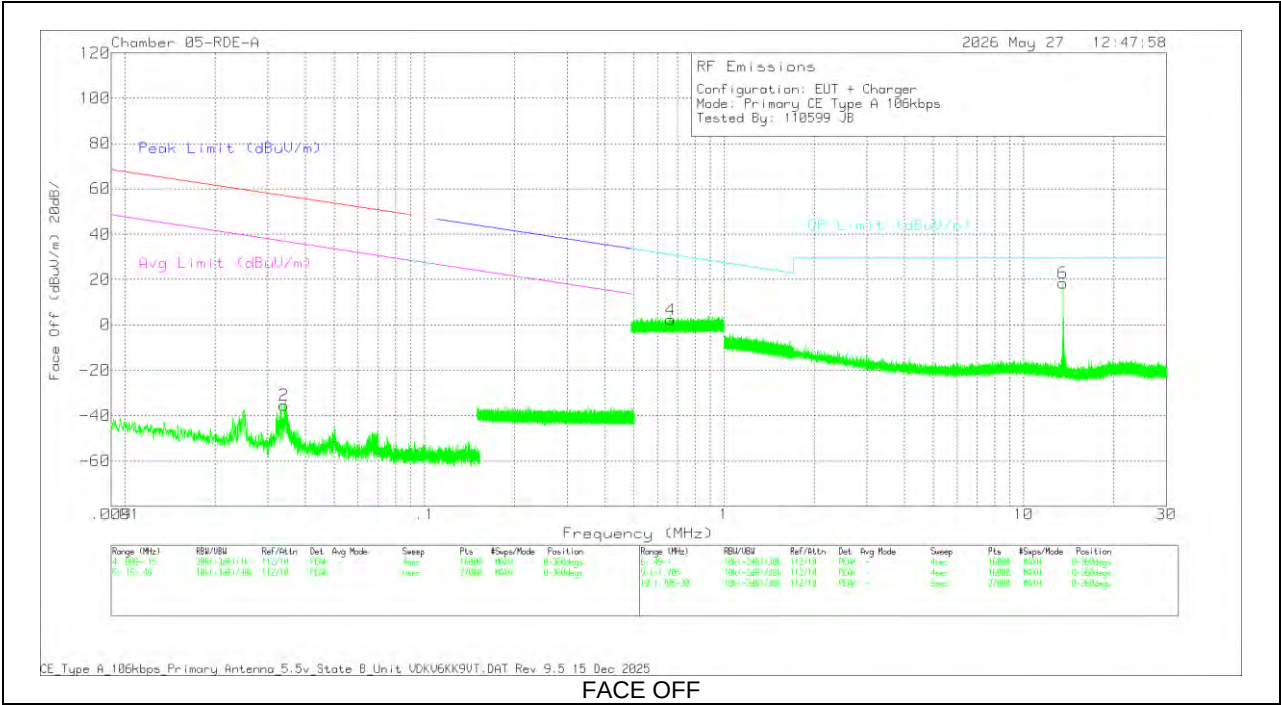
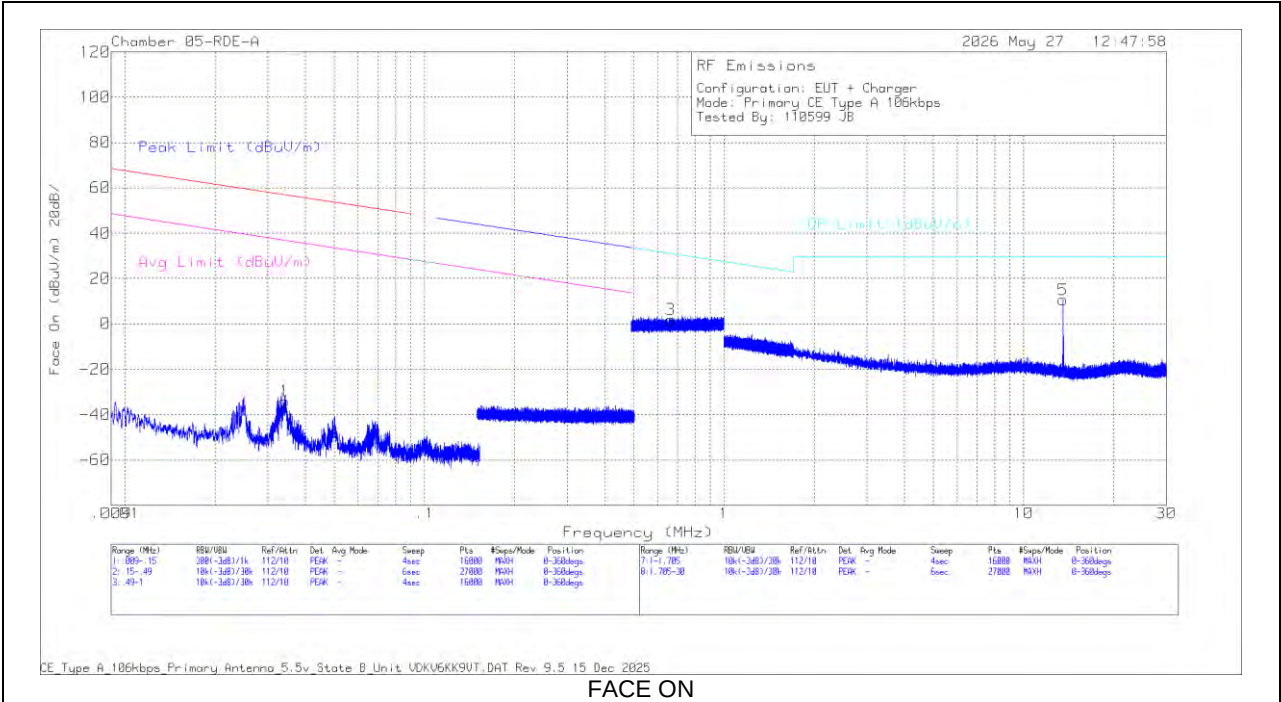
9.5.2. CE MODE: TYPE A, 106 kbps**FUNDAMENTAL**

MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	FCC 15.225 Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Polarity
2	12.711	22.68	Pk	34.1	-32.5	-40	-15.72	29.54	-45.26	0-360	Face-Off
1	12.7123	21.62	Pk	34.1	-32.5	-40	-16.78	29.54	-46.32	0-360	Face-On
4	13.5593	59.31	Pk	34	-32.5	-40	20.81	84	-63.19	0-360	Face-Off
3	13.5598	51.9	Pk	34	-32.5	-40	13.4	84	-70.6	0-360	Face-On
6	14.4037	23.16	Pk	33.9	-32.5	-40	-15.44	29.54	-44.98	0-360	Face-Off
5	14.4048	20.93	Pk	33.9	-32.5	-40	-17.67	29.54	-47.21	0-360	Face-On

Pk - Peak detector

SPURIOUS EMISSIONS



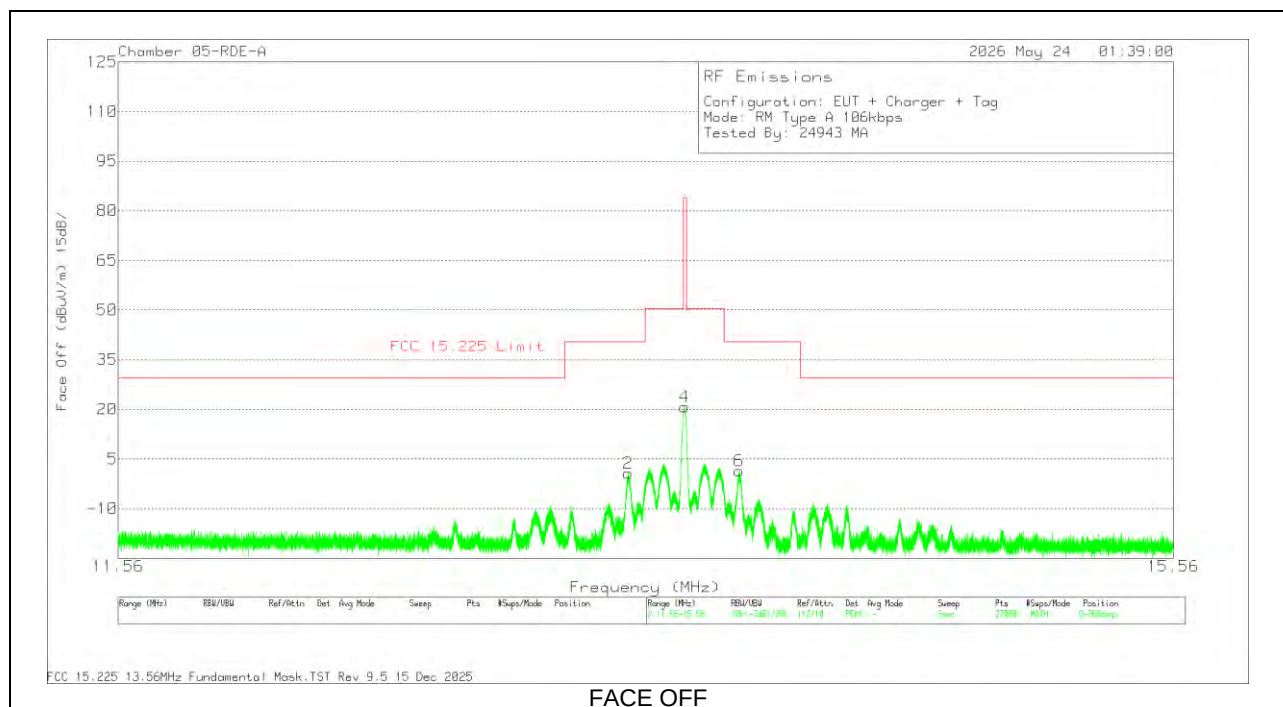
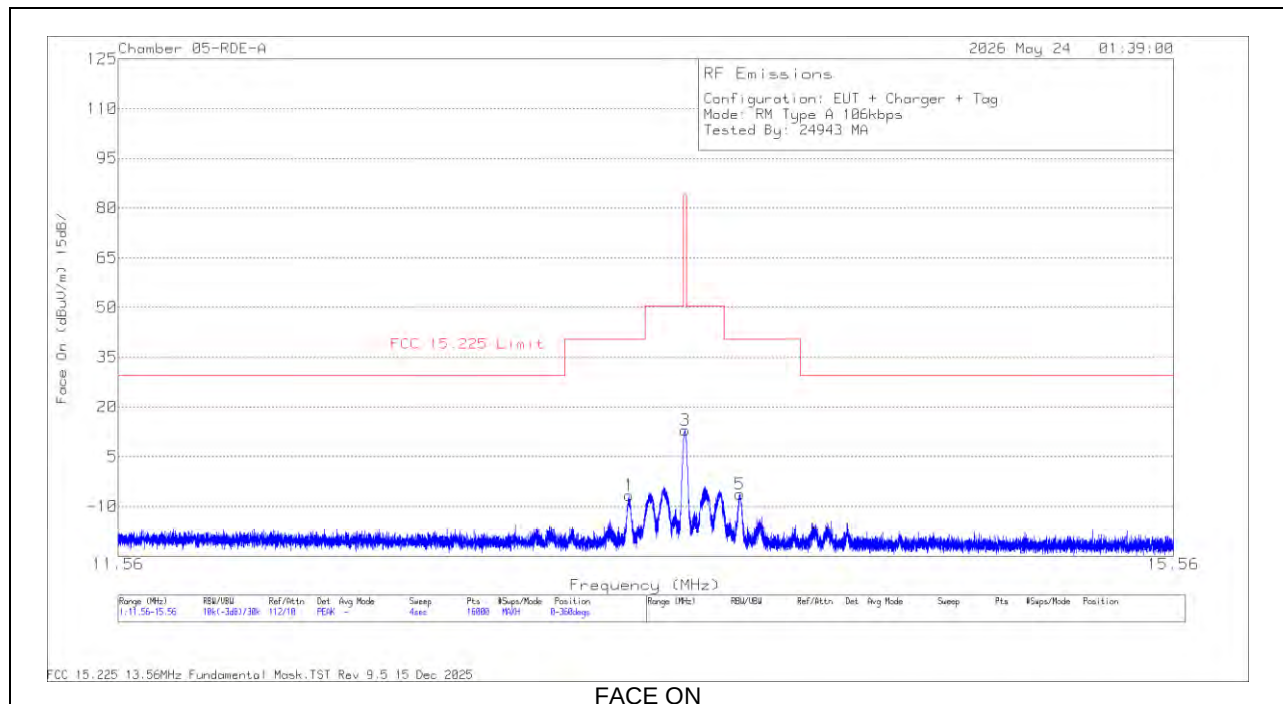
MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.0341	21.05	Pk	57.7	-32.8	-80	-34.05	56.92	-90.97	36.92	-70.97	-	-	0-360	Face-On
2	.034	19.55	Pk	57.7	-32.8	-80	-35.55	56.96	-92.51	36.96	-72.51	-	-	0-360	Face-Off

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
3	.6637	18.5	Pk	56.3	-33	-40	1.8	-	-	-	-	31.17	-29.37	0-360	Face-On
4	.664	18.98	Pk	56.3	-33	-40	2.28	-	-	-	-	31.17	-28.89	0-360	Face-Off
5	* 13.5616	49.08	Pk	34	-32.5	-40	10.58	-	-	-	-	84.00	-73.42	0-360	Face-On
6	* 13.56	56.92	Pk	34	-32.5	-40	18.42	-	-	-	-	84.00	-65.58	0-360	Face-Off

Pk - Peak detector

* - Fundamental

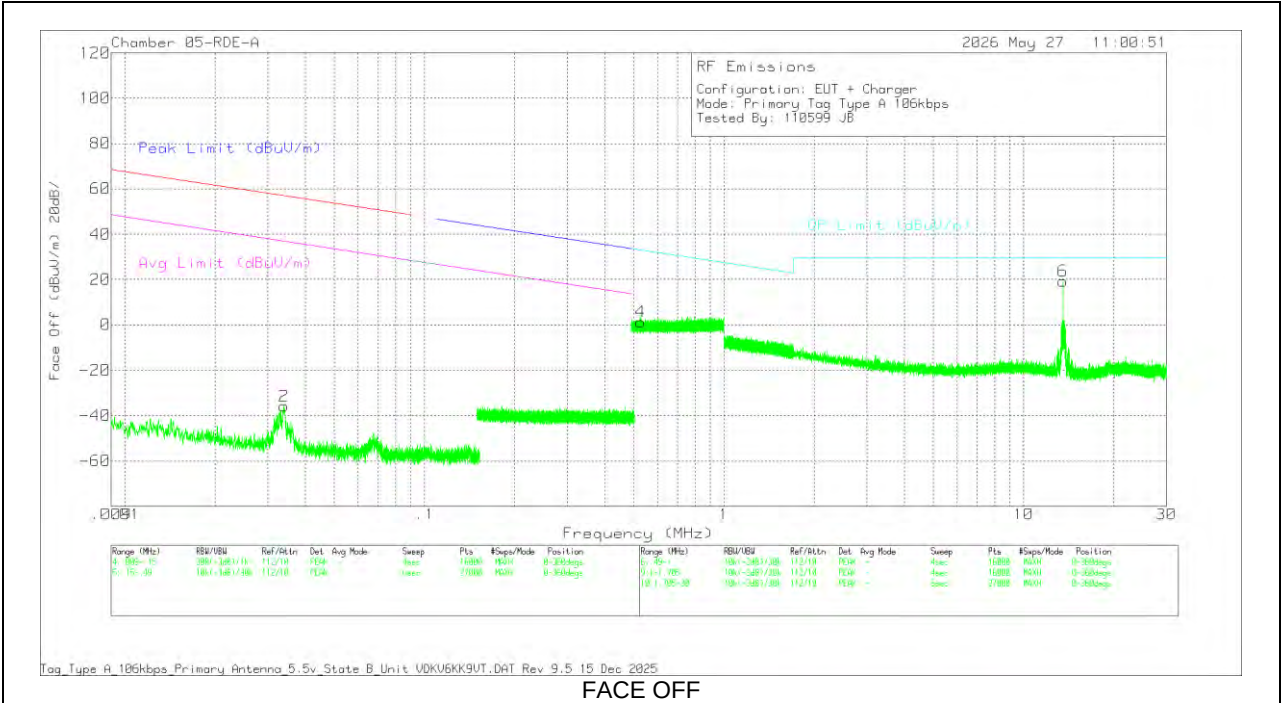
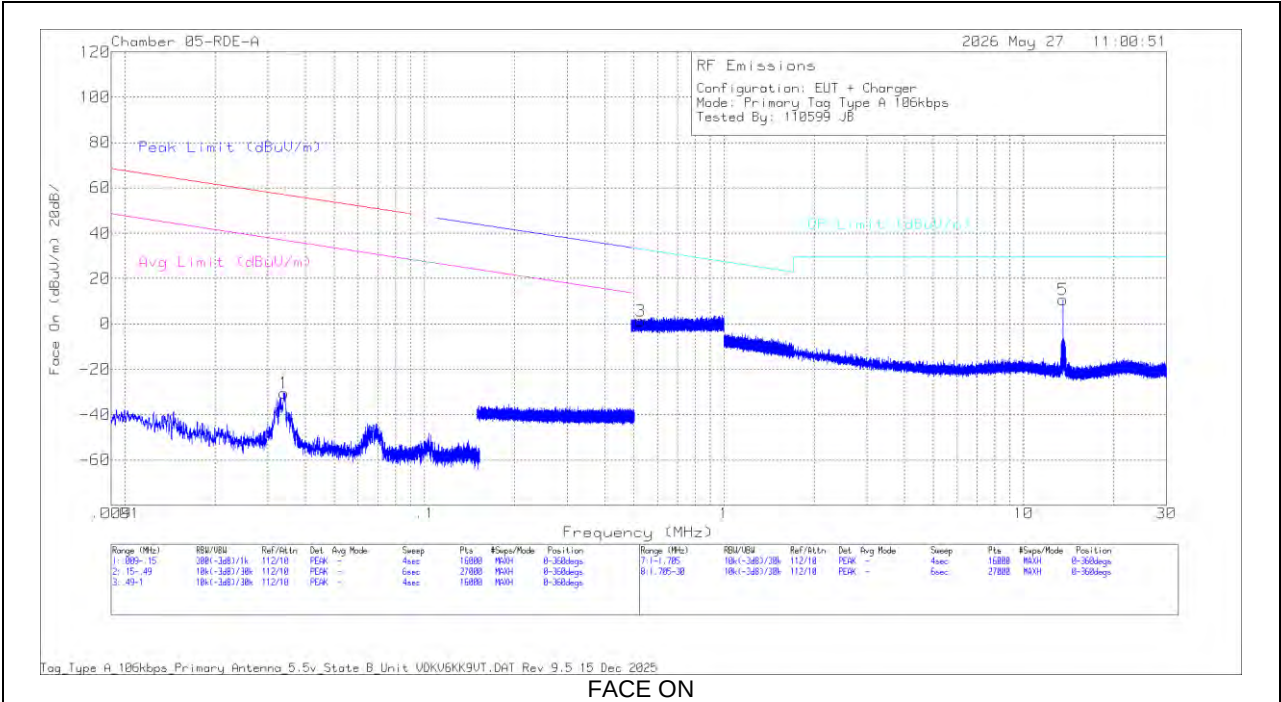
9.5.3. TAG MODE: TYPE A, 106 kbps**FUNDAMENTAL**

MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	FCC 15.225 Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Polarity
2	13.3459	39.17	Pk	34	-32.5	-40	.67	40.51	-39.84	0-360	Face-Off
1	13.3488	31.76	Pk	34	-32.5	-40	-6.74	40.51	-47.25	0-360	Face-On
4	13.5581	59.21	Pk	34	-32.5	-40	20.71	84	-63.29	0-360	Face-Off
3	13.5608	51.46	Pk	34	-32.5	-40	12.96	84	-71.04	0-360	Face-On
6	13.7685	39.9	Pk	34	-32.5	-40	1.4	40.51	-39.11	0-360	Face-Off
5	13.7708	32.24	Pk	34	-32.5	-40	-6.26	40.51	-46.77	0-360	Face-On

Pk - Peak detector

SPURIOUS EMISSIONS



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.0341	24.57	Pk	57.7	-32.8	-80	-30.53	56.94	-87.47	36.94	-67.47	-	-	0-360	Face-On
2	.034	19.22	Pk	57.7	-32.8	-80	-35.88	56.95	-92.83	36.95	-72.83	-	-	0-360	Face-Off

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
3	.5271	18.03	Pk	56.3	-33	-40	1.33	-	-	-	-	33.17	-31.84	0-360	Face-On
4	.5273	17.93	Pk	56.3	-33	-40	1.23	-	-	-	-	33.16	-31.93	0-360	Face-Off
5	* 13.56	49.23	Pk	34	-32.5	-40	10.73	-	-	-	-	84.00	-73.27	0-360	Face-On
6	* 13.56	57.88	Pk	34	-32.5	-40	19.38	-	-	-	-	84.00	-64.62	0-360	Face-Off

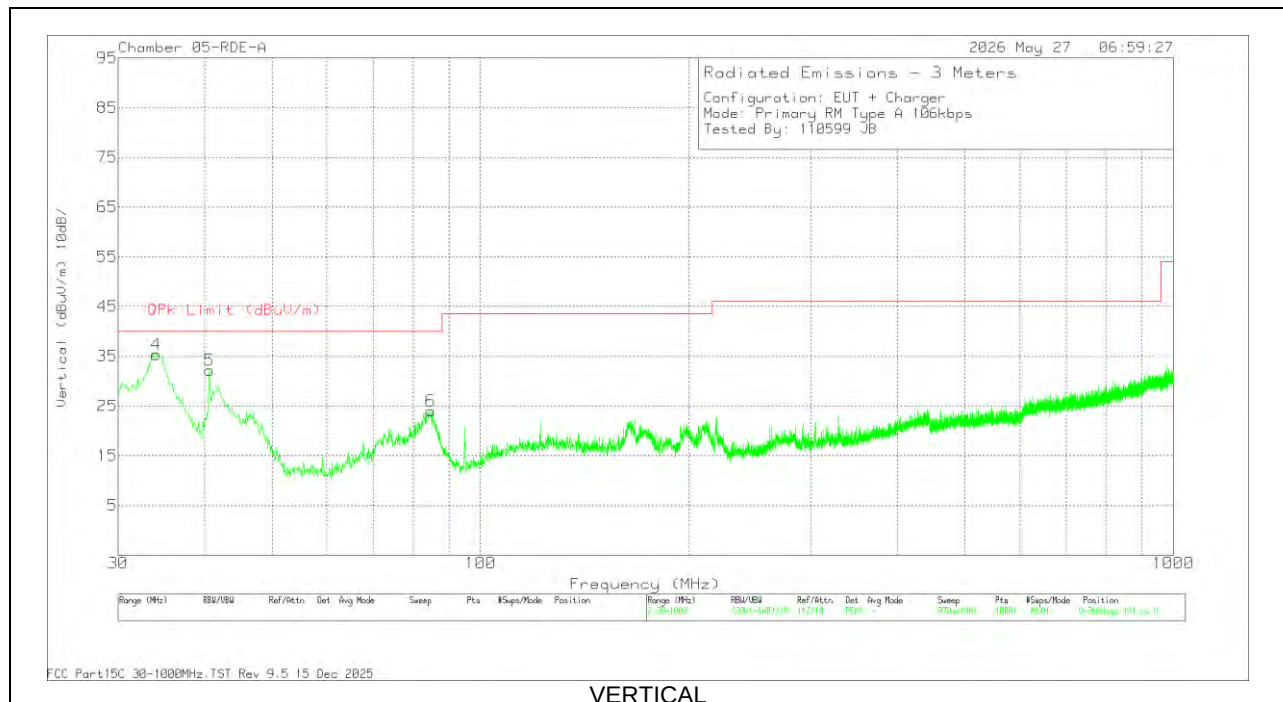
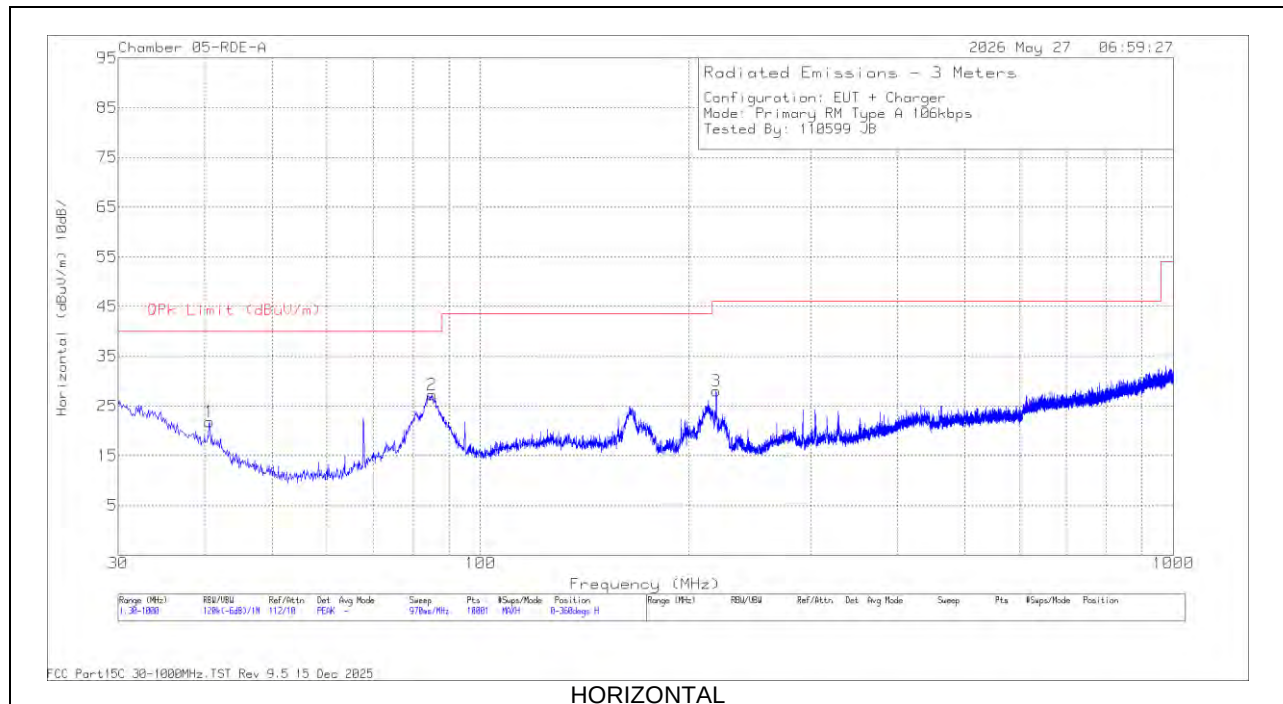
Pk - Peak detector

* - Fundamental

9.6. PRIMARY ANTENNA TX SPURIOUS EMISSIONS (30 MHz - 1 GHz)

9.6.1. READER MODE: TYPE A, 106 kbps

SPURIOUS EMISSIONS



MEASURED DATA

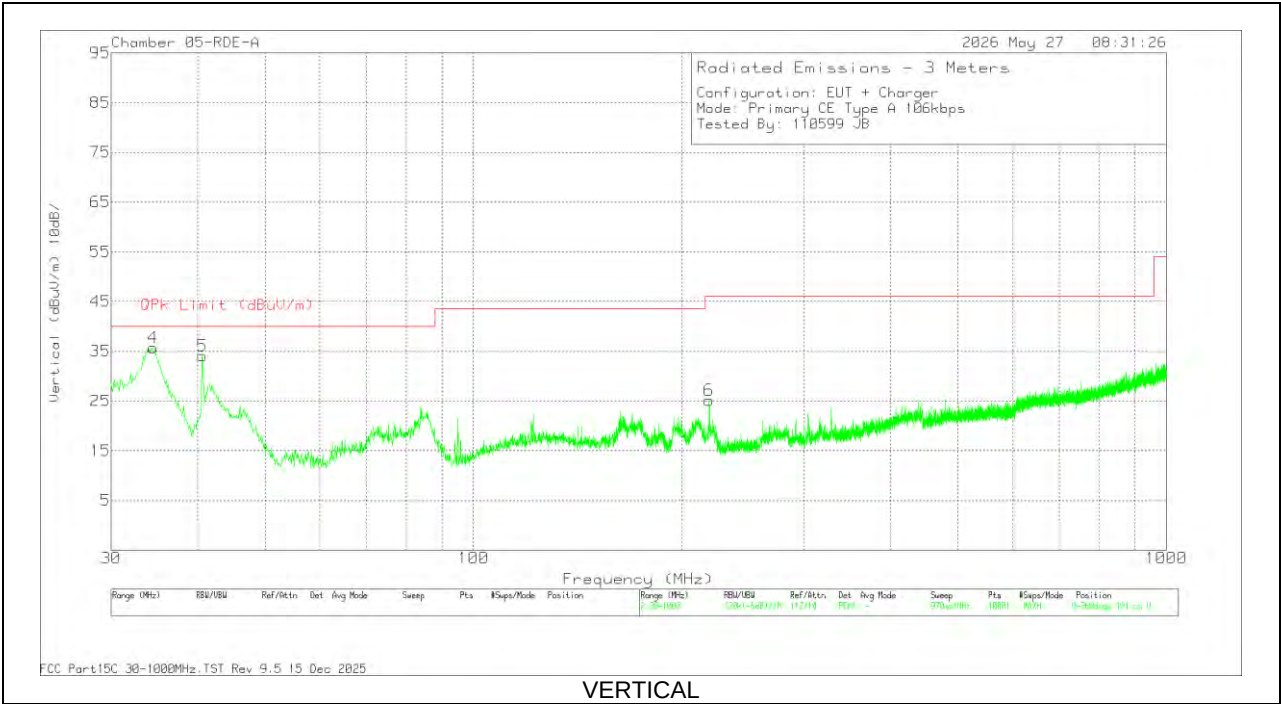
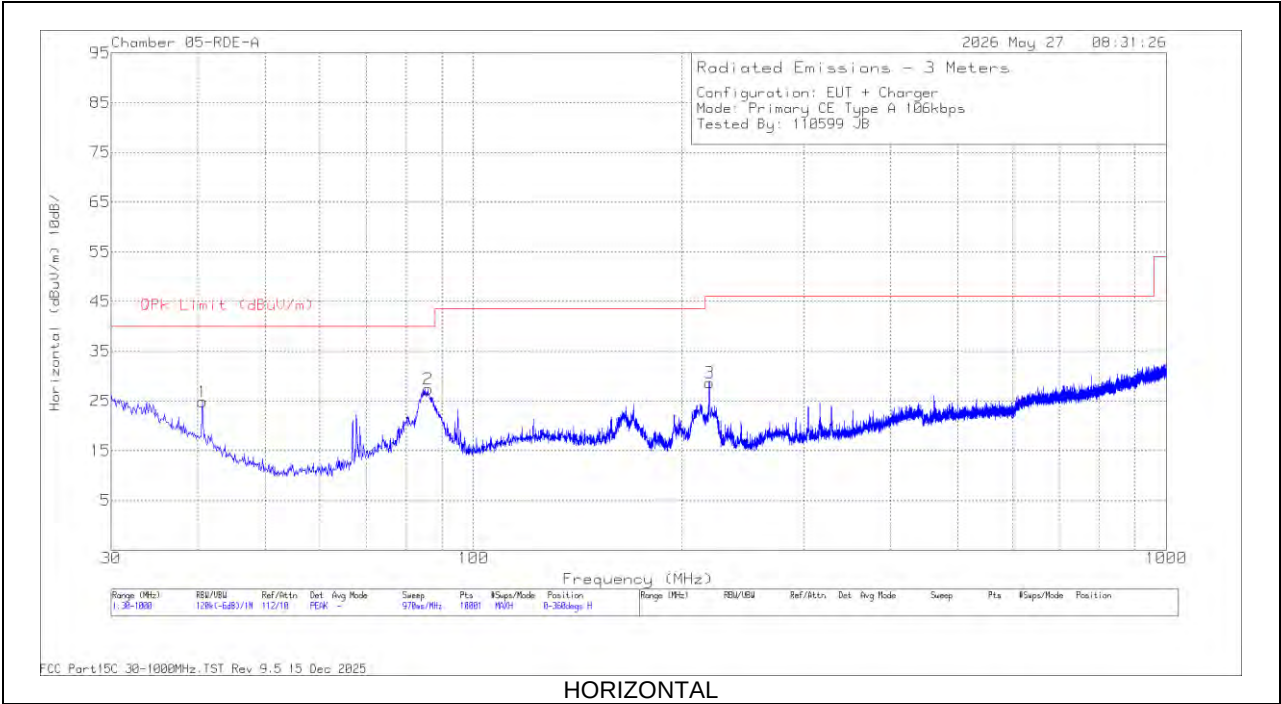
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	204045 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	34.074	43.67	Pk	24	-32.3	35.37	40	-4.63	0-360	101	V
	34.305	40.82	Qp	23.9	-32.3	32.42	40	-7.58	5	103	V
1	40.67	34.78	Pk	19.2	-32.1	21.88	40	-18.12	0-360	399	H
5	40.67	45.11	Pk	19.2	-32.1	32.21	40	-7.79	0-360	101	V
6	84.805	42.49	Pk	13.3	-31.8	23.99	40	-16.01	0-360	101	V
2	85.193	45.74	Pk	13.3	-31.8	27.24	40	-12.76	0-360	199	H
3	218.859	42.66	Pk	16.5	-31.1	28.06	46.02	-17.96	0-360	101	H

Pk - Peak detector

Qp - Quasi-Peak detector

9.6.2. CE MODE: TYPE A, 106 kbps

SPURIOUS EMISSIONS

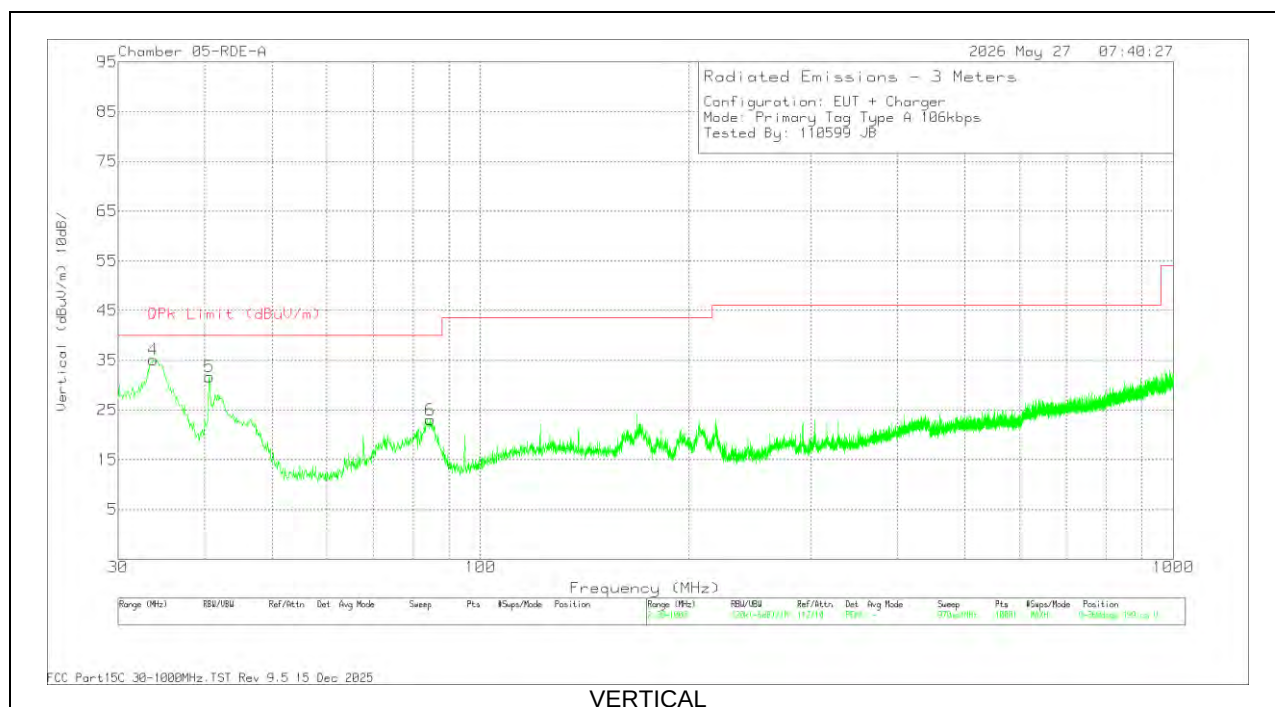
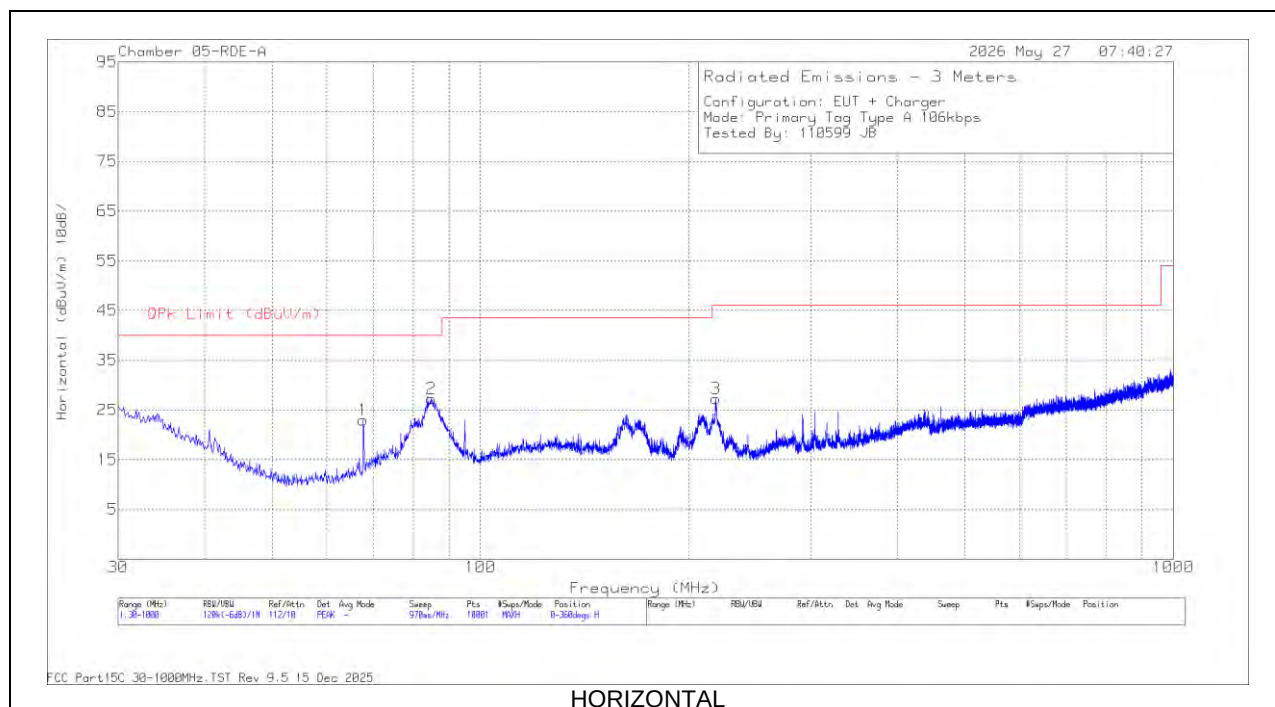


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	204045 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	34.462	44.24	Pk	23.8	-32.3	35.74	40	-4.26	0-360	101	V
	34.341	41.29	Qp	23.9	-32.3	32.89	40	-7.11	321	103	V
1	40.67	37.72	Pk	19.2	-32.1	24.82	40	-15.18	0-360	300	H
5	40.67	46.96	Pk	19.2	-32.1	34.06	40	-5.94	0-360	101	V
2	85.969	45.76	Pk	13.3	-31.7	27.36	40	-12.64	0-360	200	H
6	218.762	39.7	Pk	16.5	-31.1	25.1	46.02	-20.92	0-360	199	V
3	219.053	43.23	Pk	16.5	-31.1	28.63	46.02	-17.39	0-360	100	H

Pk - Peak detector

Qp - Quasi-Peak detector

9.6.3. TAG MODE: TYPE A, 106 kbps**SPURIOUS EMISSIONS**

MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	204045 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	33.686	43.11	Pk	24.3	-32.3	35.11	40	-4.89	0-360	101	V
	34.3044	40.74	Qp	23.9	-32.3	32.34	40	-7.66	348	102	V
5	40.67	44.62	Pk	19.2	-32.1	31.72	40	-8.28	0-360	101	V
1	67.733	40.75	Pk	14.1	-31.9	22.95	40	-17.05	0-360	199	H
6	84.611	41.54	Pk	13.3	-31.8	23.04	40	-16.96	0-360	101	V
2	84.999	45.74	Pk	13.3	-31.8	27.24	40	-12.76	0-360	300	H
3	218.762	41.83	Pk	16.5	-31.1	27.23	46.02	-18.79	0-360	99	H

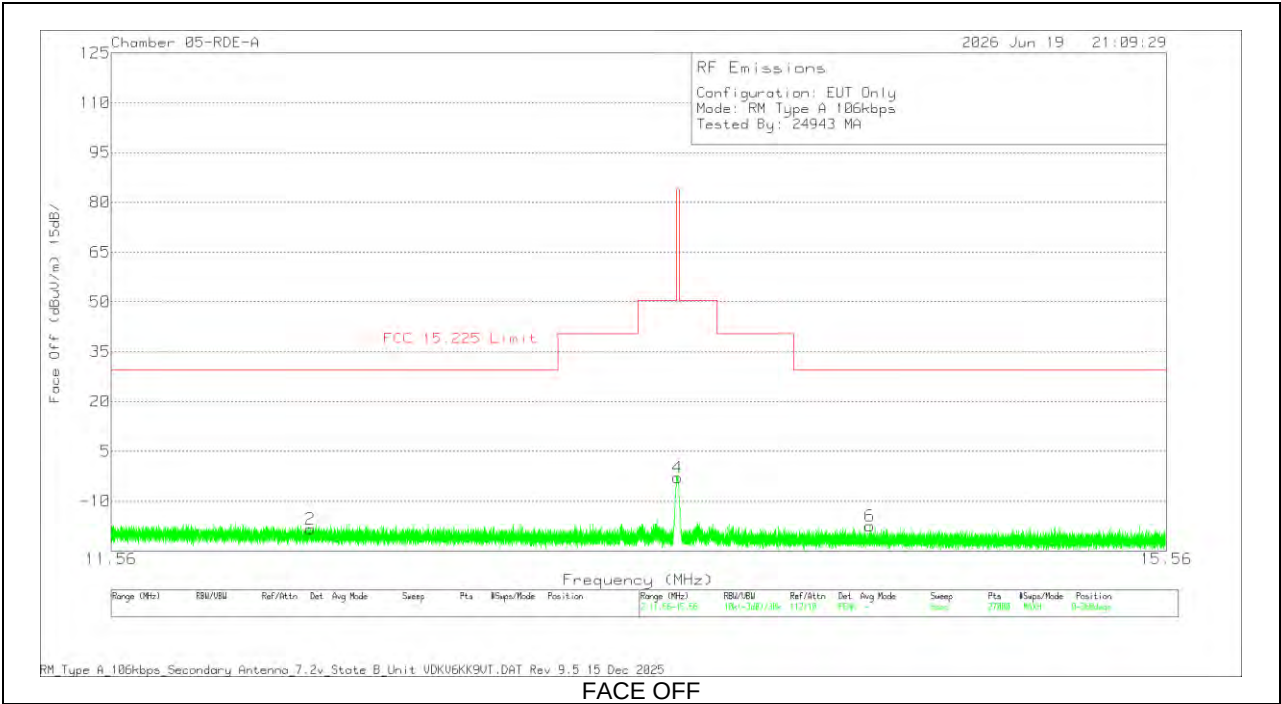
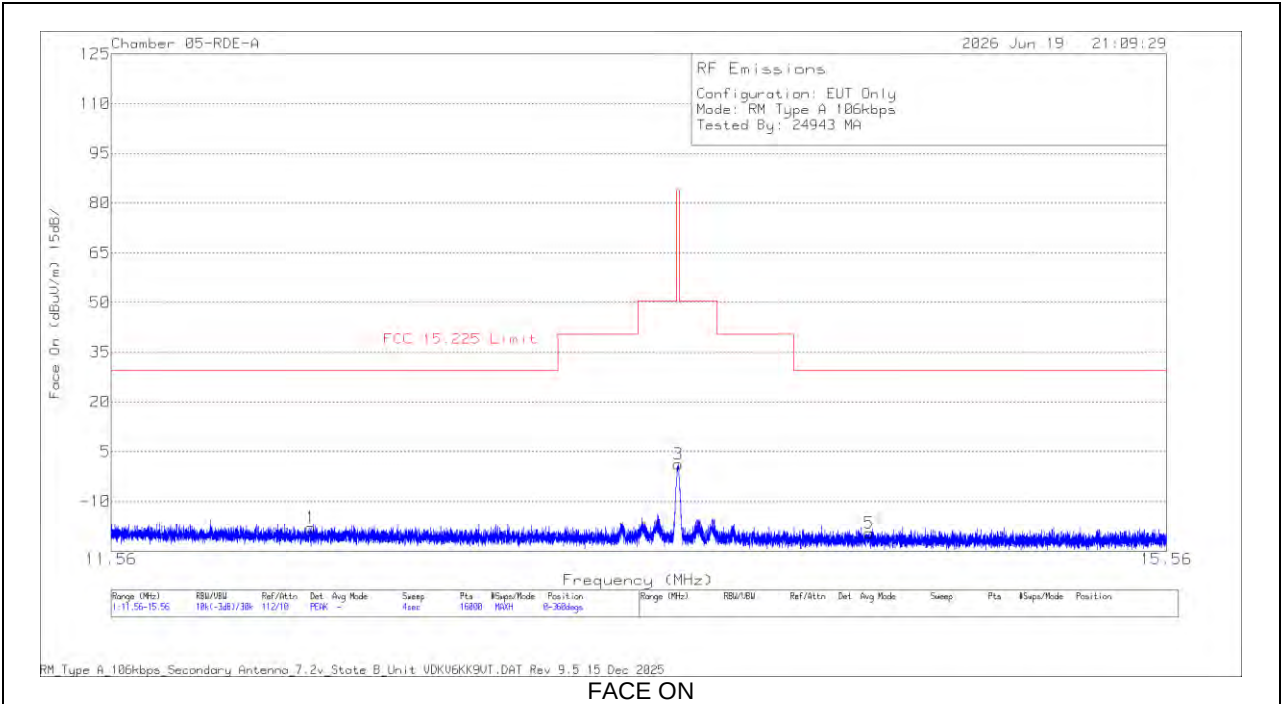
Pk - Peak detector

Qp - Quasi-Peak detector

9.7. SECONDARY ANTENNA FUNDAMENTAL AND SPURIOUS EMISSIONS (0.15 - 30 MHz)

9.7.1. READER MODE: TYPE A, 106 kbps

FUNDAMENTAL

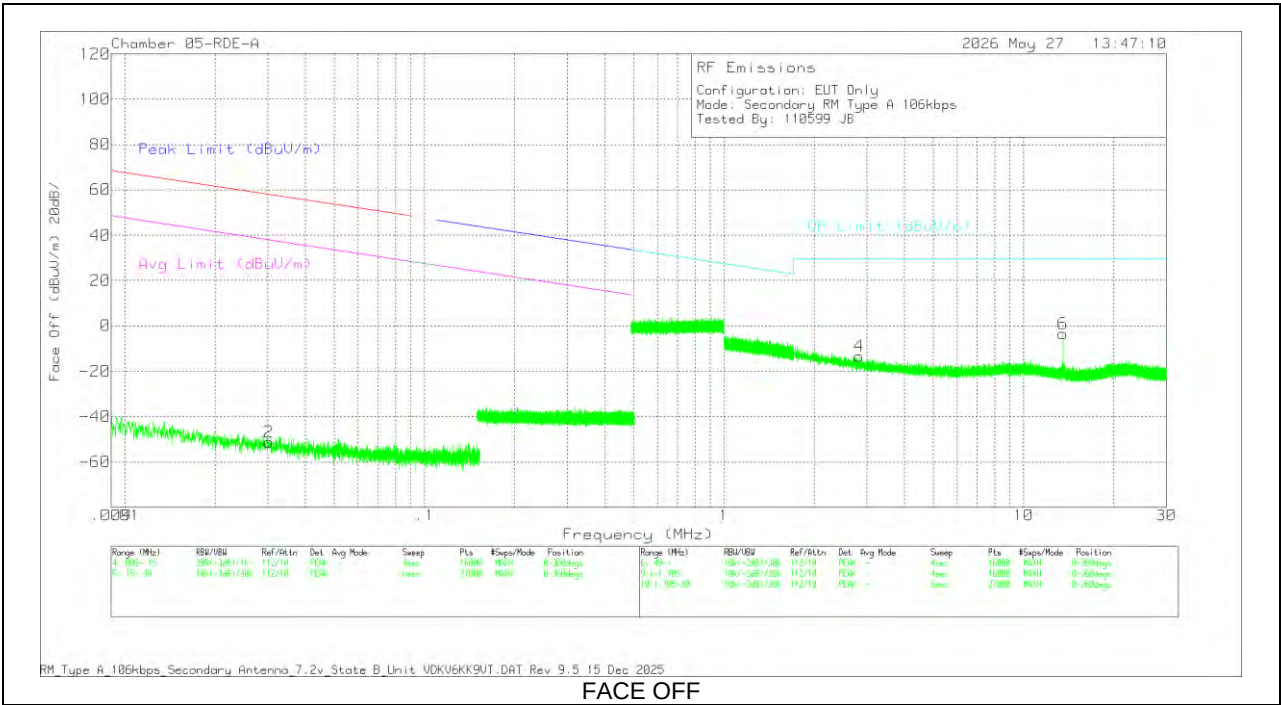
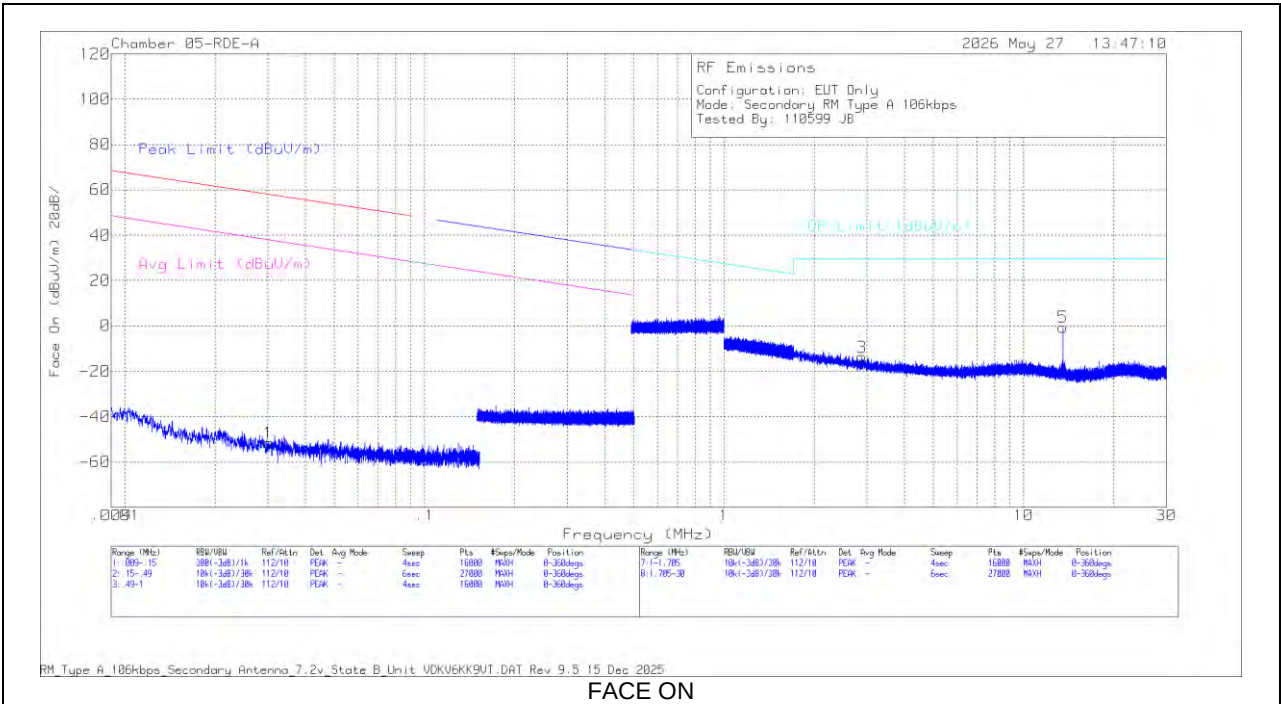


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	FCC 15.225 Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Polarity
2	12.2259	19.88	Pk	34.3	-32.6	-40	-18.42	29.54	-47.96	0-360	Face-Off
1	12.2285	20.51	Pk	34.3	-32.6	-40	-17.79	29.54	-47.33	0-360	Face-On
4	13.5599	35.63	Pk	34	-32.5	-40	-2.87	84	-86.87	0-360	Face-Off
3	13.561	39.77	Pk	34	-32.5	-40	1.27	84	-82.73	0-360	Face-On
5	14.31	19	Pk	33.9	-32.5	-40	-19.6	29.54	-49.14	0-360	Face-On
6	14.313	21.07	Pk	33.9	-32.5	-40	-17.53	29.54	-47.07	0-360	Face-Off

Pk - Peak detector

SPURIOUS EMISSIONS



MEASURED DATA

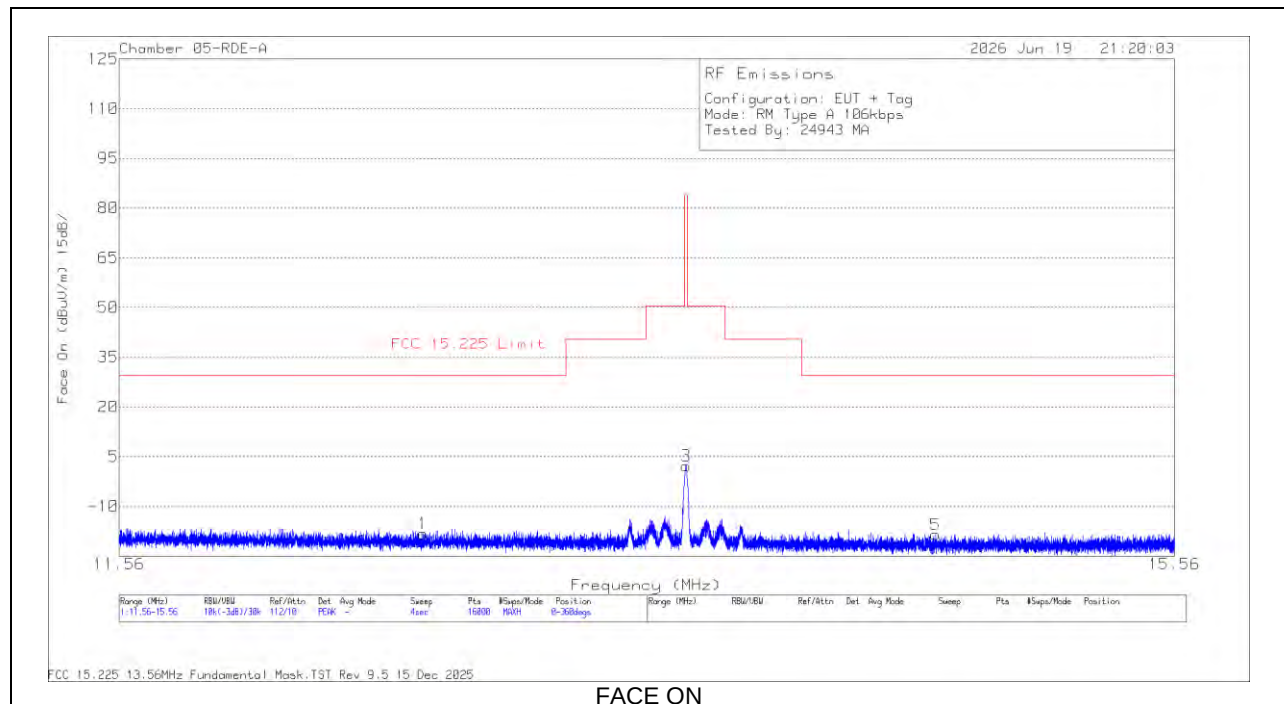
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.0301	3.13	Pk	58	-32.8	-80	-51.67	58.03	-109.7	38.03	-89.7	-	-	0-360	Face-On
2	.0303	3.43	Pk	58	-32.8	-80	-51.37	57.97	-109.34	37.97	-89.34	-	-	0-360	Face-Off

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
4	2.8316	20.35	Pk	39.1	-32.8	-40	-13.35	-	-	-	-	29.5	-42.85	0-360	Face-On
3	2.8788	20.03	Pk	39	-32.8	-40	-13.77	-	-	-	-	29.5	-43.27	0-360	Face-Off
5	* 13.5589	37.96	Pk	34	-32.5	-40	-.54	-	-	-	-	84.00	-84.54	0-360	Face-On
6	* 13.56	35.07	Pk	34	-32.5	-40	-3.43	-	-	-	-	84.00	-87.43	0-360	Face-Off

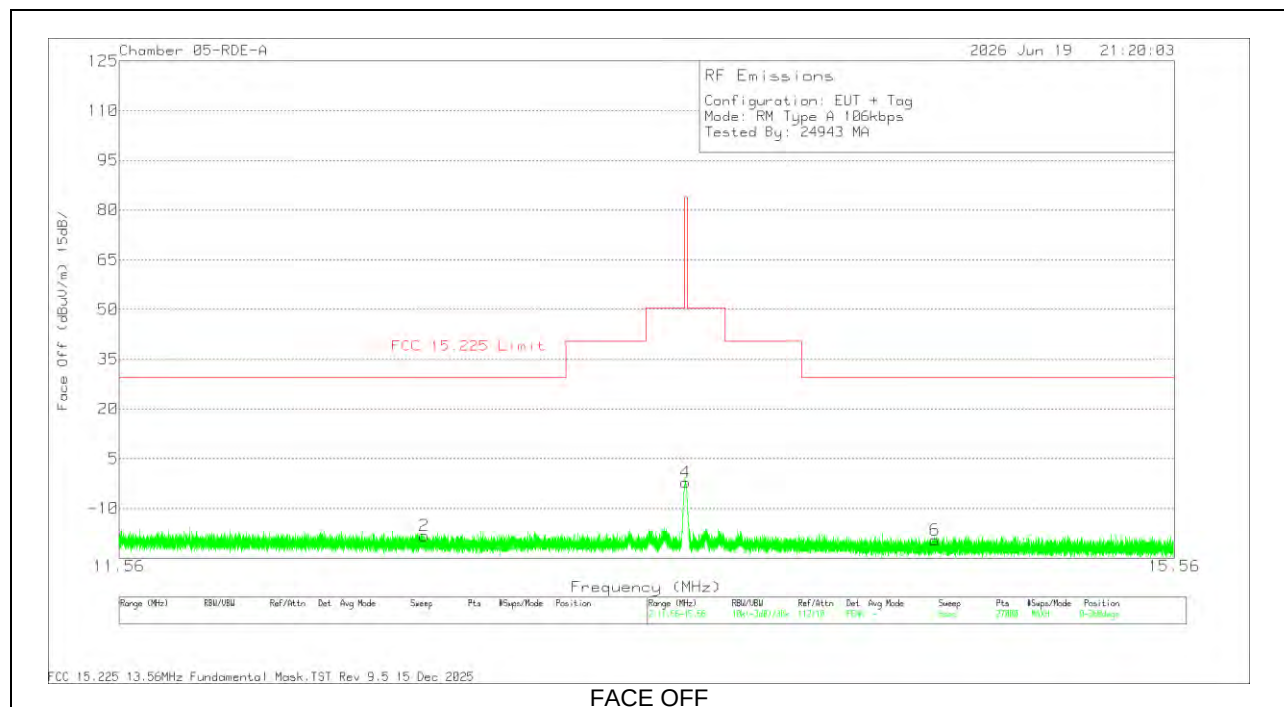
Pk - Peak detector

* - Fundamental

NOTE: The emission observed from 0.6 to 1MHz are ambient noise floor.

9.7.2. TAG MODE: TYPE A, 106 kbps**FUNDAMENTAL**

FACE ON



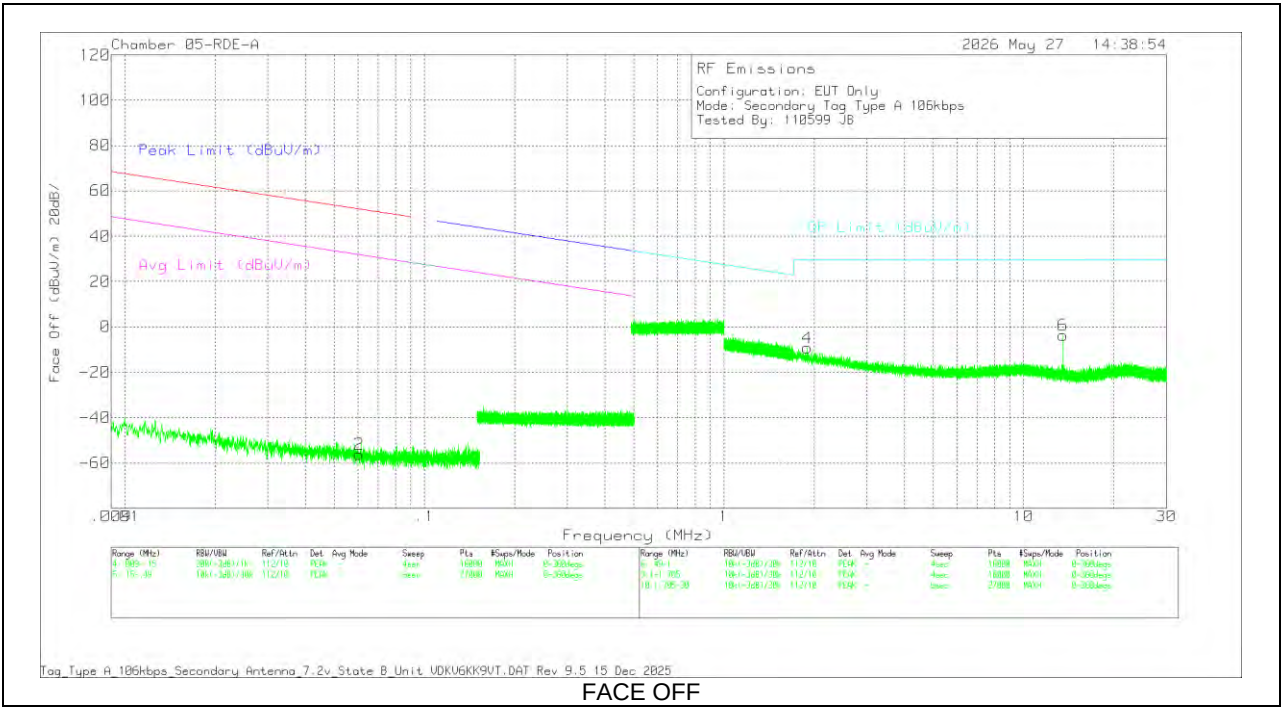
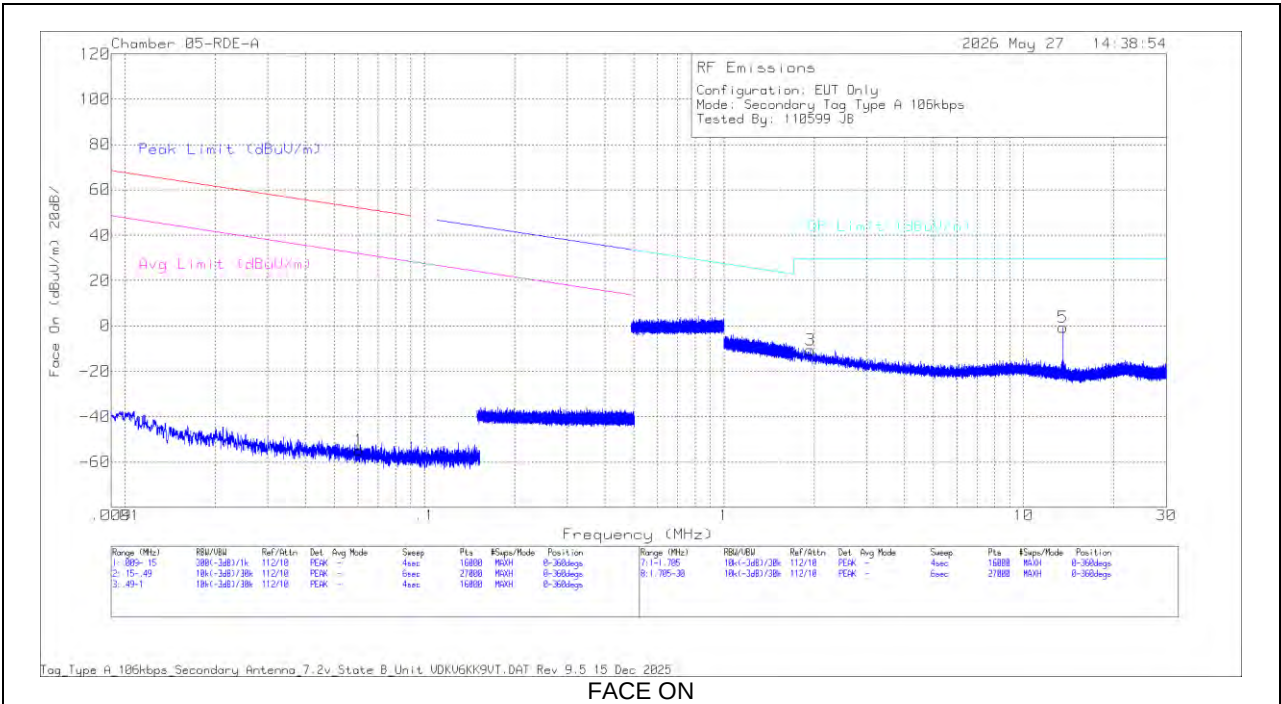
FACE OFF

MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	FCC 15.225 Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Polarity
1	12.5928	20.21	Pk	34.2	-32.6	-40	-18.19	29.54	-47.73	0-360	Face-On
2	12.5966	20.13	Pk	34.2	-32.6	-40	-18.27	29.54	-47.81	0-360	Face-Off
4	13.5593	36.41	Pk	34	-32.5	-40	-2.09	84	-86.09	0-360	Face-Off
3	13.5613	40.68	Pk	34	-32.5	-40	2.18	84	-81.82	0-360	Face-On
6	14.5462	19.13	Pk	33.8	-32.5	-40	-19.57	29.54	-49.11	0-360	Face-Off
5	14.548	20.2	Pk	33.8	-32.5	-40	-18.5	29.54	-48.04	0-360	Face-On

Pk - Peak detector

SPURIOUS EMISSIONS



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.0605	1.85	Pk	56.2	-33	-80	-54.95	51.95	-106.9	31.95	-86.9	-	-	0-360	Face-On
2	.0604	.64	Pk	56.2	-33	-80	-56.16	51.96	-108.12	31.96	-88.12	-	-	0-360	Face-Off

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m 40Log (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
4	1.8968	21.48	Pk	42.1	-32.9	-40	-9.32	-	-	-	-	29.5	-38.82	0-360	Face-On
3	1.9398	20.5	Pk	41.8	-32.9	-40	-10.6	-	-	-	-	29.5	-40.1	0-360	Face-Off
5	13.5589	37.97	Pk	34	-32.5	-40	-.53	-	-	-	-	84.00	-84.53	0-360	Face-On
6	13.561	34.93	Pk	34	-32.5	-40	-3.57	-	-	-	-	84.00	-87.57	0-360	Face-Off

Pk - Peak detector

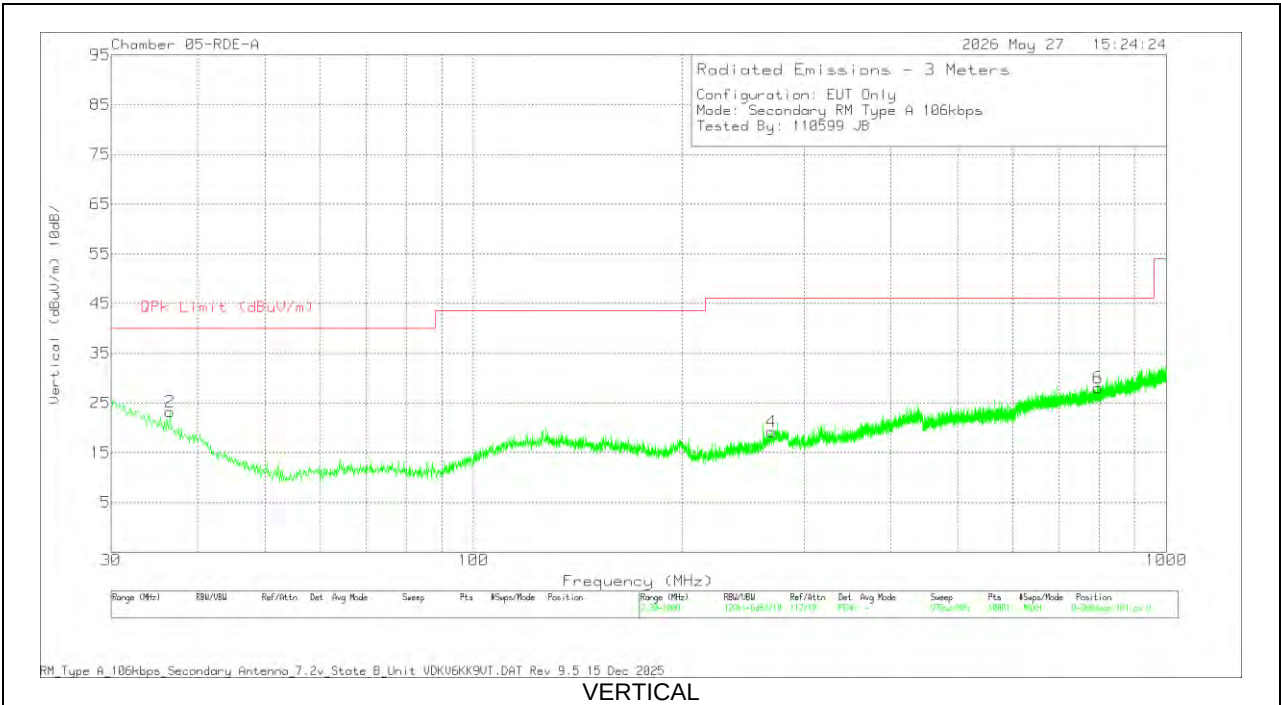
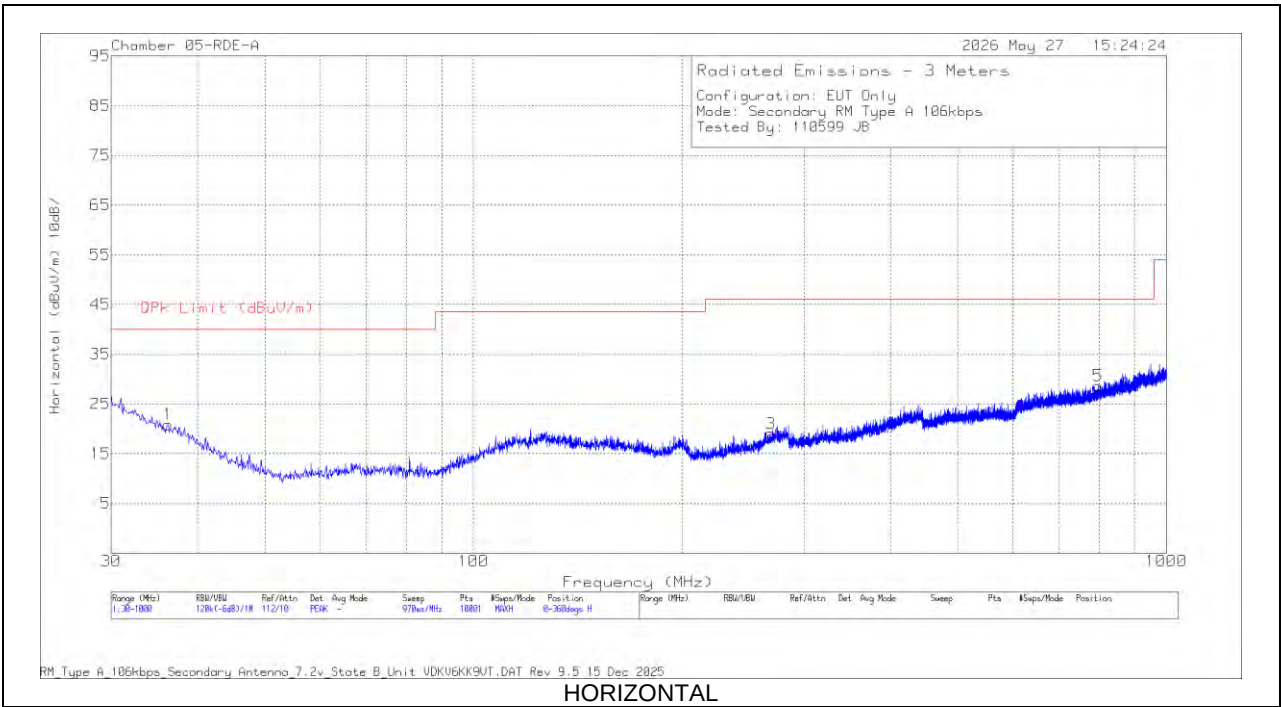
* - Fundamental

NOTE: The emission observed from 0.6 to 1MHz are ambient noise floor.

9.8. SECONDARY ANTENNA TX SPURIOUS EMISSIONS (30 MHz - 1 GHz)

9.8.1. READER MODE: TYPE A, 106 kbps

SPURIOUS EMISSIONS



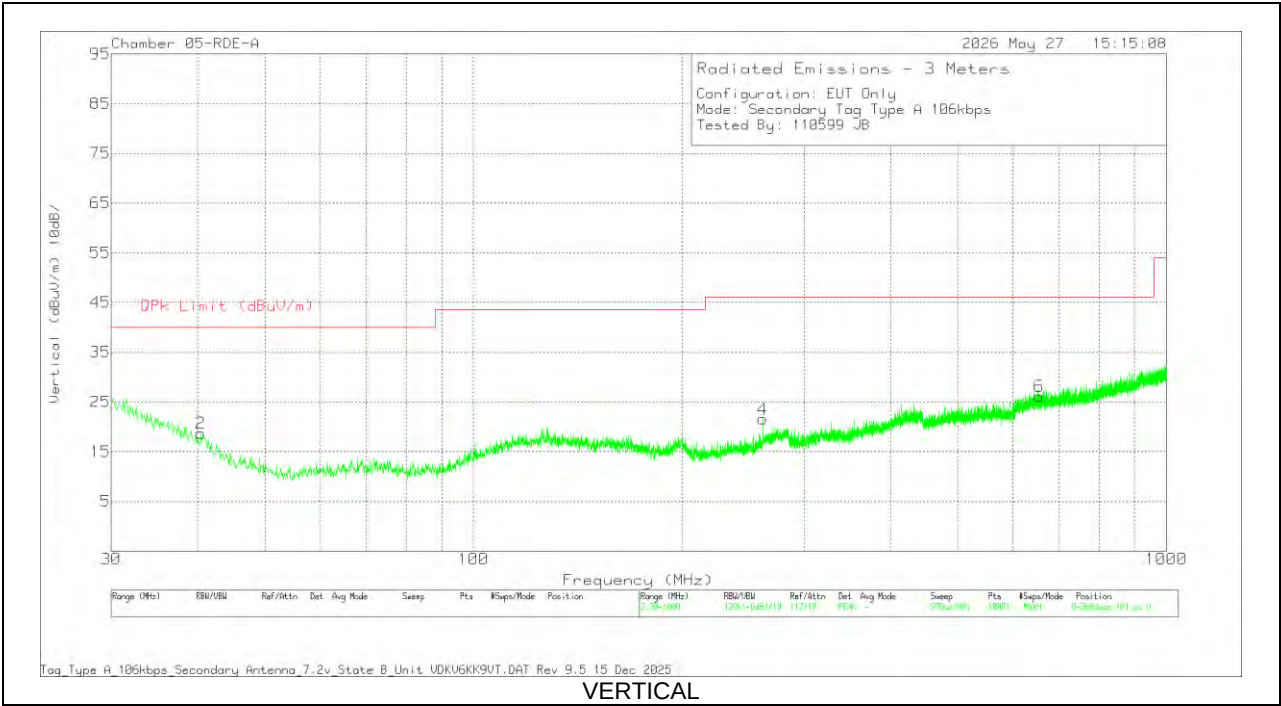
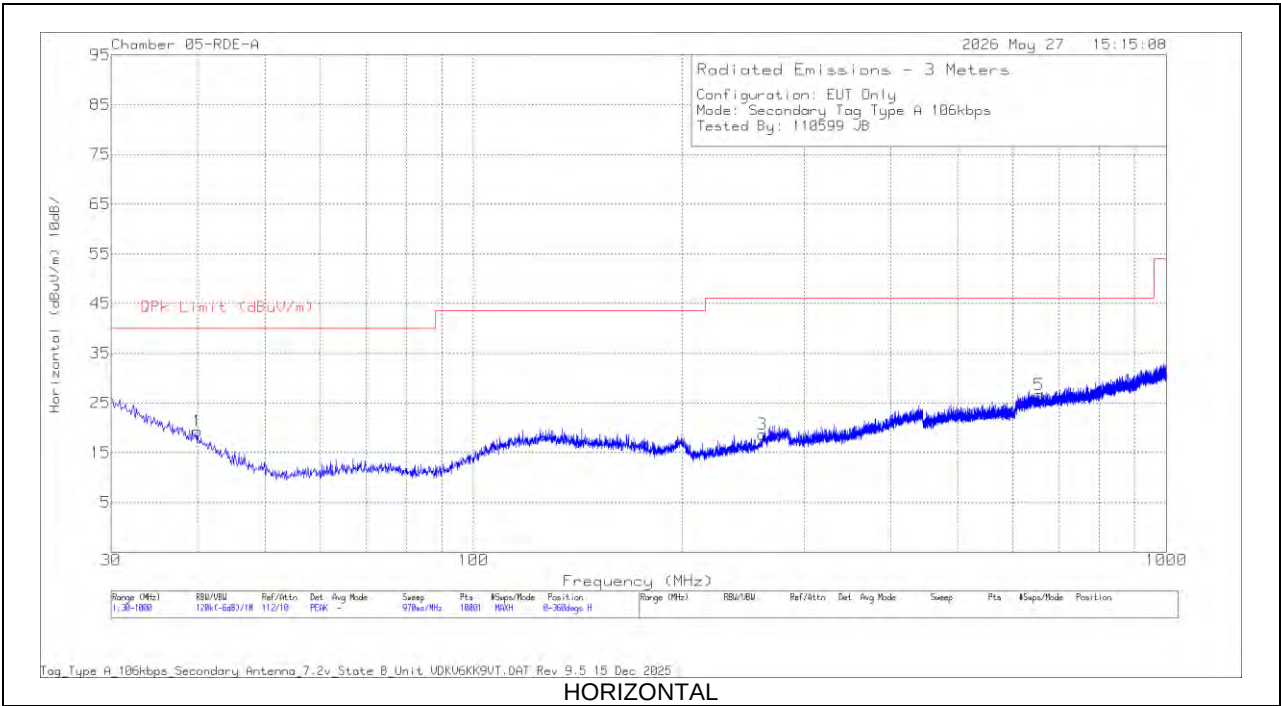
MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	204045 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	268.814	30.81	Pk	19	-30.8	19.01	46.02	-27.01	0-360	200	H
4	269.396	30.95	Pk	19	-30.8	19.15	46.02	-26.87	0-360	199	V
1	36.208	30.39	Pk	22.6	-32.2	20.79	40	-19.21	0-360	399	H
2	36.499	33.04	Pk	22.4	-32.2	23.24	40	-16.76	0-360	199	V
6	796.688	29.89	Pk	27	-28.9	27.99	46.02	-18.03	0-360	199	V
5	796.785	30.51	Pk	27	-28.9	28.61	46.02	-17.41	0-360	200	H

Pk - Peak detector

9.8.2. TAG MODE: TYPE A, 106 kbps

SPURIOUS EMISSIONS



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	204045 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 261.248	31.38	Pk	18.1	-30.8	18.68	46.02	-27.34	0-360	101	H
4	* 261.539	34.13	Pk	18.2	-30.8	21.53	46.02	-24.49	0-360	101	V
1	39.991	31.7	Pk	19.7	-32.1	19.3	40	-20.7	0-360	399	H
2	40.379	31.43	Pk	19.4	-32.1	18.73	40	-21.27	0-360	199	V
5	655.068	30.85	Pk	25.6	-29.8	26.65	46.02	-19.37	0-360	299	H
6	655.456	30.32	Pk	25.6	-29.8	26.12	46.02	-19.9	0-360	101	V

Pk - Peak detector

10. FREQUENCY STABILITY

LIMIT

§15.225 (e) The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency, over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

IC RSS-210, Annex B.6

Carrier frequency stability shall be maintained to $\pm 0.01\%$ (± 100 ppm).

TEST PROCEDURE

ANSI C63.10 Clause 6.8

RESULTS

ID:	31300
Date:	2026-06-13

10.1. PRIMARY ANTENNA**10.1.1. READER MODE: TYPE F, 212 kbps**

Reference Frequency: EUT Channel 13.56 MHz @ 20°C										
Limit: ± 100 ppm = 1.35600 KHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(VAC)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5601669	-3.846	13.56016929	-4.022	13.560172	-4.223	13.56017322	-4.312	± 100
	40	13.56013884	-1.777	13.56014496	-2.229	13.56015253	-2.786	13.56016211	-3.493	± 100
	30	13.56007926	2.617	13.5600903	1.803	13.56010466	0.744	13.56012477	-0.739	± 100
	20	13.56011475	0.000	13.56012105	-0.465	13.56013023	-1.142	13.56013381	-1.406	± 100
	10	13.56013977	-1.845	13.56013868	-1.765	13.56013763	-1.688	13.56013673	-1.622	± 100
	0	13.56013092	-1.193	13.56012596	-0.827	13.56012032	-0.411	13.56011134	0.251	± 100
	-10	13.56010177	0.957	13.56009662	1.337	13.56008802	1.971	13.56006295	3.820	± 100
	-20	13.5600584	4.155	13.56005646	4.299	13.56005339	4.525	13.56005068	4.724	± 100
3.23	20	13.5601313	-1.221	13.56012937	-1.079	13.56012859	-1.021	13.56012826	-0.997	± 100
4.37	20	13.5601147	0.004	13.56012408	-0.688	13.56012846	-1.012	13.56013269	-1.324	± 100

10.1.2. CE MODE: TYPE F, 212 kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C										
Limit: ± 100 ppm = 1.35600 KHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(VAC)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603507	9.106	13.5603821	6.790	13.56041038	4.705	13.56037329	7.440	± 100
	40	13.56034266	9.699	13.5603484	9.275	13.56041584	4.302	13.56035404	8.860	± 100
	30	13.56041971	4.017	13.56039104	6.131	13.56039209	6.054	13.56037096	7.611	± 100
	20	13.56047417	0.000	13.56044346	2.265	13.5604188	4.083	13.56039235	6.034	± 100
	10	13.56038143	6.840	13.56039118	6.121	13.5604001	5.463	13.56036215	8.261	± 100
	0	13.56043873	2.614	13.56039866	5.569	13.56037562	7.268	13.56034428	9.579	± 100
	-10	13.56035434	8.838	13.56034385	9.611	13.56034909	9.225	13.56039732	5.668	± 100
	-20	13.56035557	8.747	13.56037029	7.661	13.56039115	6.122	13.56034453	9.561	± 100
3.23	20	13.5602066	19.732	13.56017723	21.898	13.56029938	12.890	13.56029397	13.289	± 100
4.37	20	13.56020314	19.988	13.56027878	14.410	13.56019565	20.540	13.56016789	22.587	± 100

10.1.3. TAG MODE: TYPE F, 212 kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C										
Limit: ± 100 ppm = 1.35600 KHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(VAC)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.56012773	-0.018	13.56012868	-0.088	13.560128	-0.038	13.56012779	-0.022	± 100
	40	13.5601161	0.840	13.56011893	0.631	13.56012204	0.402	13.5601253	0.161	± 100
	30	13.56007704	3.720	13.56008557	3.091	13.56009484	2.407	13.56010312	1.797	± 100
	20	13.56012749	0.000	13.56012605	0.106	13.56012387	0.267	13.56011928	0.605	± 100
	10	13.56011324	1.051	13.56011047	1.255	13.56010723	1.494	13.56010196	1.883	± 100
	0	13.56009266	2.569	13.56008903	2.836	13.56008417	3.194	13.56007883	3.588	± 100
	-10	13.56006369	4.705	13.56005996	4.980	13.56005634	5.247	13.56005289	5.501	± 100
	-20	13.5600397	6.474	13.56003819	6.585	13.56003641	6.717	13.56003486	6.831	± 100
3.23	20	13.56013347	-0.441	13.56011932	0.602	13.56010679	1.526	13.56011542	0.890	± 100
4.37	20	13.56010886	1.374	13.56012307	0.326	13.56012795	-0.034	13.56013272	-0.386	± 100

10.2. SECONDARY ANTENNA**10.2.1. READER MODE: TYPE F, 212 kbps**

Reference Frequency: EUT Channel 13.56 MHz @ 20°C										
Limit: ± 100 ppm = 1.35600 KHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(VAC)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.56014342	-1.322	13.56014569	-1.490	13.56014717	-1.599	13.56014825	-1.678	± 100
	40	13.56013173	-0.460	13.56013497	-0.699	13.56013758	-0.892	13.56014005	-1.074	± 100
	30	13.56010983	1.155	13.56011484	0.786	13.56011892	0.485	13.56012348	0.148	± 100
	20	13.56012549	0.000	13.56012398	0.111	13.56012287	0.193	13.56012134	0.306	± 100
	10	13.56011559	0.730	13.56011033	1.118	13.56010547	1.476	13.56010021	1.864	± 100
	0	13.56009016	2.606	13.56008598	2.914	13.56008122	3.265	13.56007674	3.595	± 100
	-10	13.56006555	4.420	13.5600627	4.631	13.56006001	4.829	13.56005757	5.009	± 100
	-20	13.56005213	5.410	13.56005196	5.423	13.56005274	5.365	13.56005186	5.430	± 100
3.23	20	13.56014974	-1.788	13.56015009	-1.814	13.56015009	-1.814	13.56014965	-1.782	± 100
4.37	20	13.56014962	-1.780	13.56014842	-1.691	13.56014706	-1.590	13.56014399	-1.365	± 100

10.2.2. TAG MODE: TYPE F, 212 kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C										
Limit: ± 100 ppm = 1.35600 KHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(VAC)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.56014251	-1.775	13.56014547	-1.992	13.56014807	-2.184	13.56014906	-2.257	± 100
	40	13.56011815	0.022	13.56012477	-0.466	13.56013145	-0.959	13.56013813	-1.452	± 100
	30	13.56007189	3.434	13.56008237	2.661	13.56009527	1.710	13.56011121	0.534	± 100
	20	13.56011845	0.000	13.56011734	0.082	13.56011549	0.218	13.56011336	0.375	± 100
	10	13.56010899	0.698	13.56010425	1.047	13.56009937	1.407	13.56009411	1.795	± 100
	0	13.56008682	2.333	13.56008247	2.653	13.56007753	3.018	13.56007185	3.437	± 100
	-10	13.56006343	4.058	13.56006107	4.231	13.56005819	4.444	13.56005555	4.639	± 100
	-20	13.56005189	4.909	13.56005139	4.946	13.56005061	5.003	13.56005046	5.014	± 100
3.23	20	13.56014941	-2.283	13.56015033	-2.351	13.56015044	-2.359	13.56015068	-2.377	± 100
4.37	20	13.56015069	-2.378	13.56015034	-2.352	13.56015037	-2.354	13.56014976	-2.309	± 100

11. AC MAINS LINE CONDUCTED EMISSIONS

LIMITS

§15.207

IC RSS-GEN, Section 8.8

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the band edges.

Frequency range (MHz)	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50
Notes: 1. The lower limit shall apply at the transition frequencies 2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.		

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 HOT (L1) and NEUTRAL (L2) lines.

RESULTS

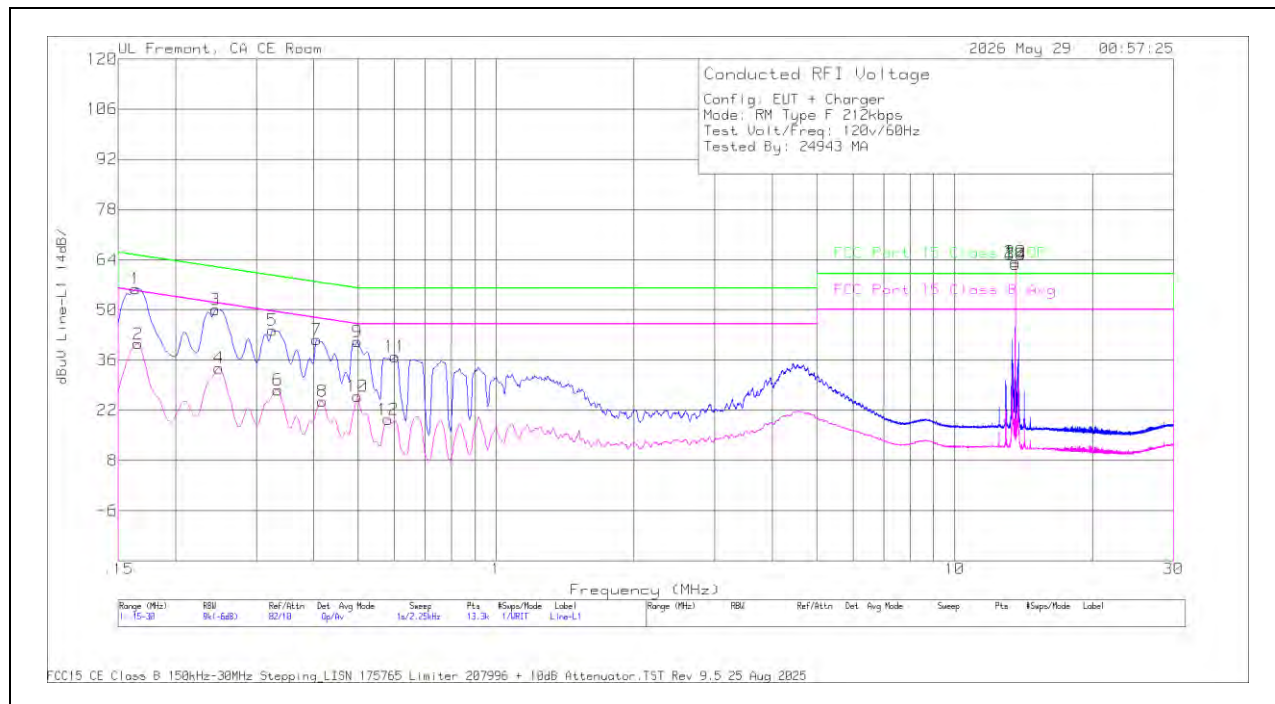
No non-compliance noted:

11.1. PRIMARY ANTENNA

11.1.1. READER MODE: TYPE F, 212 kbps (NORMAL OPERATION)

EUT + AC ADAPTER

LINE 1 RESULTS



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.1658	21.13	Av	.1	9.4	9.9	40.53	-	-	55.17	-14.64
4	.249	14.55	Av	0	9.4	9.9	33.85	-	-	51.79	-17.94
6	.3345	8.51	Av	0	9.3	9.9	27.71	-	-	49.34	-21.63
8	.4178	5.31	Av	0	9.3	9.9	24.51	-	-	47.49	-22.98
10	.4988	6.71	Av	0	9.3	9.9	25.91	-	-	46.02	-20.11
12	.582	.21	Av	0	9.3	9.9	19.41	-	-	46	-26.59
14	* 13.56	43.28	Av	.1	9.5	9.8	62.68	-	-	50	12.68
1	.1635	36.51	Qp	.1	9.4	9.9	55.91	65.28	-9.37		
3	.2445	30.8	Qp	0	9.4	9.9	50.1	61.94	-11.84		
5	.3255	25.12	Qp	0	9.3	9.9	44.32	59.57	-15.25		
7	.4065	22.42	Qp	0	9.3	9.9	41.62	57.72	-16.1		
9	.4988	21.96	Qp	0	9.3	9.9	41.16	56.02	-14.86		
11	.6023	17.78	Qp	0	9.3	9.9	36.98	56	-19.02		
13	* 13.56	44.07	Qp	.1	9.5	9.8	63.47	60	3.47		

Qp - Quasi-Peak detector

Av - Average detection

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.1.2 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

UL Fremont, CA CE Room 2026 May 29 00:57:25

Conducted RFI Voltage

Config: EUT + Charger
Mode: RM Type F 212kbps
Test Volt/Freq: 120v/50Hz
Tested By: 24943 MA

dBuV Line-L2 14dB/

FCC Part 15 Class B Avg

FCC Part 15 Class B

23

15 16 17 18 19 20 21 22 23 24 25 26

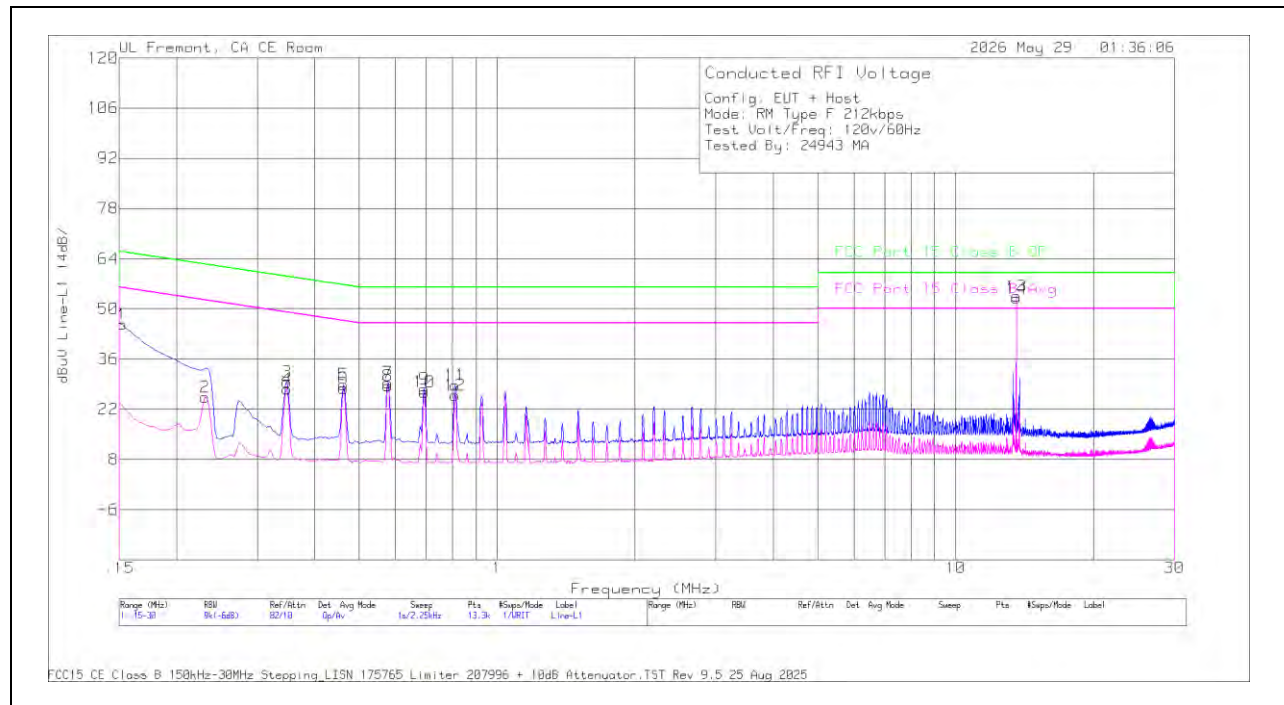
Frequency (MHz)

Range (MHz)	FSW	Ref/Attn	Det	Avg Mode	Sweep	Pls	ISups/Mode	Label
15.000	100.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000

FCC15 CE Class B 150kHz-30MHz Stepping LISN 175765 Limiter 207996 + 10dB Attenuator.TST Rev 9.5 25 Aug 2025

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.1658	20.66	Av	.1	9.4	9.9	40.06	-	-	55.17	-15.11
18	.249	14.41	Av	0	9.4	9.9	33.71	-	-	51.79	-18.08
20	.3345	8.19	Av	0	9.4	9.9	27.49	-	-	49.34	-21.85
22	.4178	6.41	Av	0	9.3	9.9	25.61	-	-	47.49	-21.88
24	.4988	7.51	Av	0	9.3	9.9	26.71	-	-	46.02	-19.31
26	.672	2.5	Av	0	9.4	10	21.9	-	-	46	-24.1
28	* 13.56	45.87	Av	.1	9.6	9.8	65.37	-	-	50	15.37
15	.1635	35.85	Qp	.1	9.4	9.9	55.25	65.28	-10.03	-	-
17	.2445	30.32	Qp	0	9.4	9.9	49.62	61.94	-12.32	-	-
19	.3255	24.8	Qp	0	9.4	9.9	44.1	59.57	-15.47	-	-
21	.4065	22.09	Qp	0	9.4	9.9	41.39	57.72	-16.33	-	-
23	.4988	21.19	Qp	0	9.3	9.9	40.39	56.02	-15.63	-	-
25	.6788	17.04	Qp	0	9.4	9.9	36.34	56	-19.66	-	-
27	* 13.56	46.75	Qp	.1	9.6	9.8	66.25	60	6.25	-	-

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.1.2 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

EUT + HOST**LINE 1 RESULTS****MEASURED DATA**

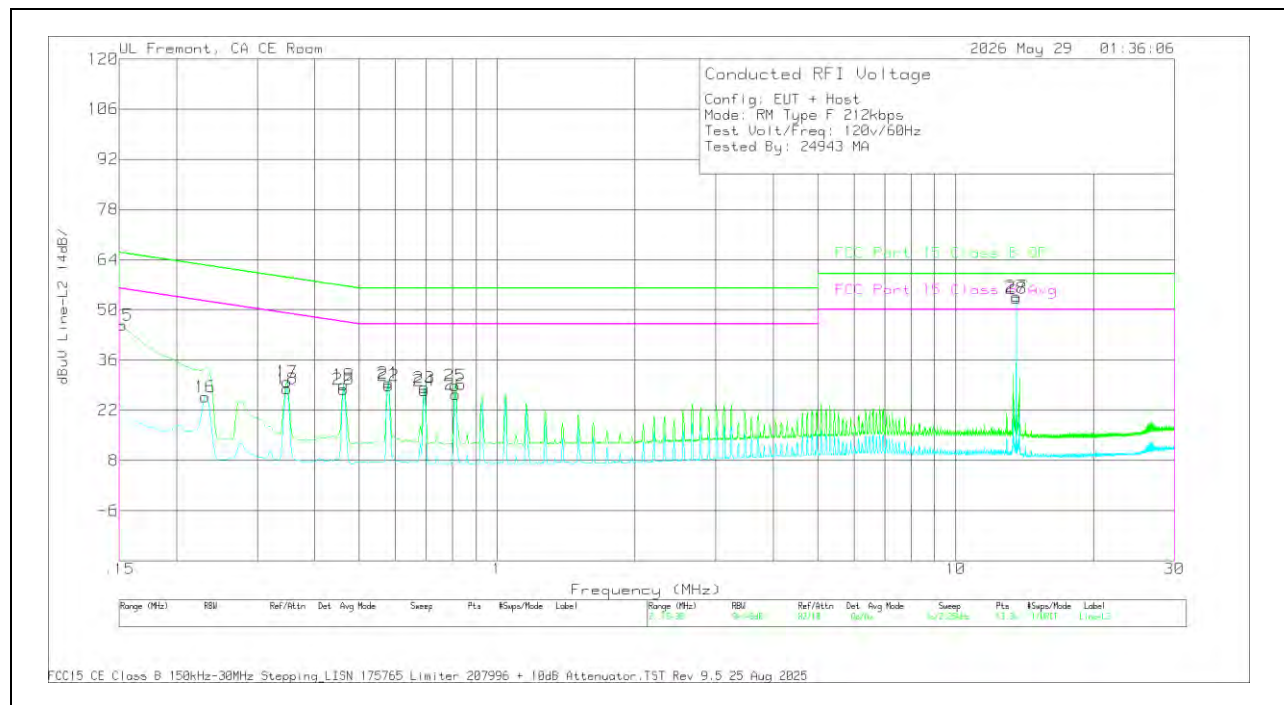
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.231	6.08	Av	0	9.4	9.9	25.38	-	-	52.41	-27.03
4	.348	8.47	Av	0	9.3	9.9	27.67	-	-	49.01	-21.34
6	.4628	8.65	Av	0	9.3	9.9	27.85	-	-	46.64	-18.79
8	.5775	9.27	Av	0	9.3	9.9	28.47	-	-	46	-17.53
10	.6945	7.45	Av	0	9.4	9.9	26.75	-	-	46	-19.25
12	.8093	6.64	Av	0	9.3	9.9	25.84	-	-	46	-20.16
14	13.56	33.57	Av	.1	9.5	9.8	52.97	-	-	50	2.97
1	.1523	26.23	Qp	.1	9.4	9.9	45.63	65.88	-20.25	-	-
3	.348	10.45	Qp	0	9.3	9.9	29.65	59.01	-29.36	-	-
5	.4628	9.74	Qp	0	9.3	9.9	28.94	56.64	-27.7	-	-
7	.5775	10.17	Qp	0	9.3	9.9	29.37	56	-26.63	-	-
9	.6945	8.35	Qp	0	9.4	9.9	27.65	56	-28.35	-	-
11	.8093	9.48	Qp	0	9.3	9.9	28.68	56	-27.32	-	-
13	13.56	34.12	Qp	.1	9.5	9.8	53.52	60	-6.48	-	-

Qp - Quasi-Peak detector

Av - Average detection

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.1.2 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

LINE 2 RESULTS



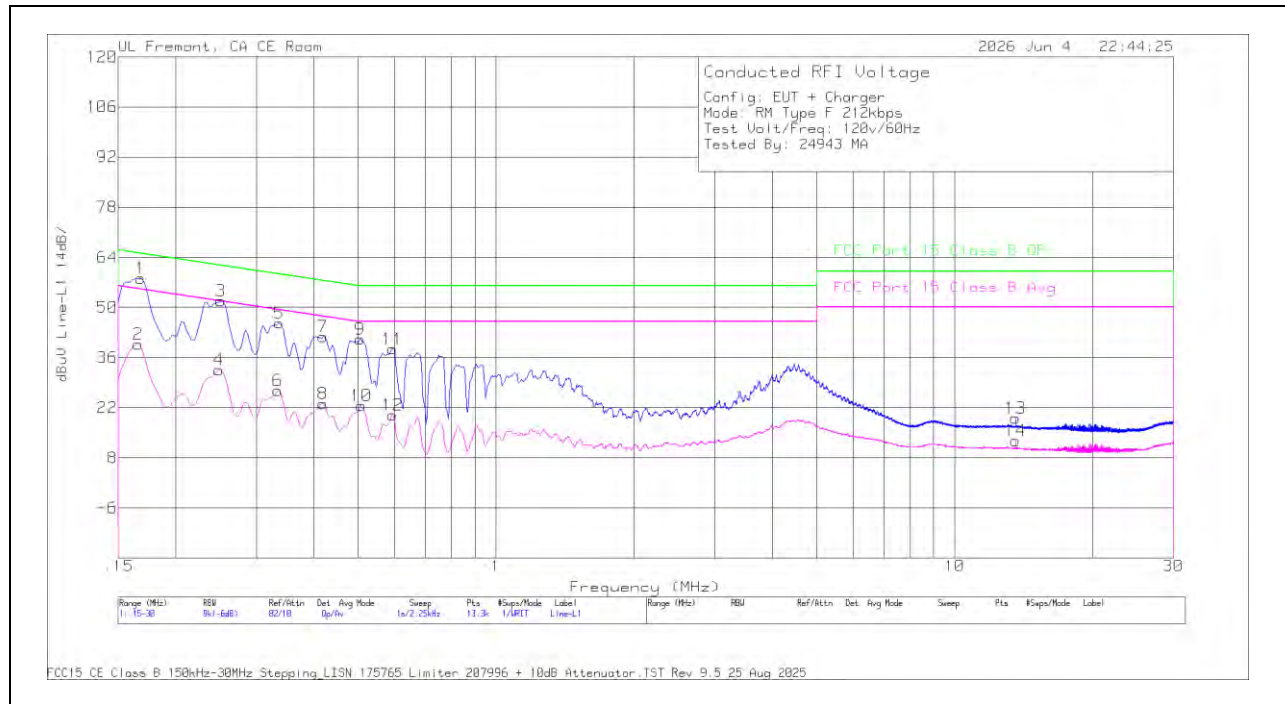
MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.231	6.42	Av	0	9.4	9.9	25.72	-	-	52.41	-26.69
18	.348	8.73	Av	0	9.3	9.9	27.93	-	-	49.01	-21.08
20	.4628	8.51	Av	0	9.4	9.9	27.81	-	-	46.64	-18.83
22	.5798	9.74	Av	0	9.3	9.9	28.94	-	-	46	-17.06
24	.6945	8.14	Av	0	9.4	9.9	27.44	-	-	46	-18.56
26	.8115	7.17	Av	0	9.4	9.9	26.47	-	-	46	-19.53
28	13.56	33.76	Av	.1	9.6	9.8	53.26	-	-	50	3.26
15	.1523	26.24	Qp	.1	9.4	9.9	45.64	65.88	-20.24	-	-
17	.348	10.74	Qp	0	9.3	9.9	29.94	59.01	-29.07	-	-
19	.4628	9.72	Qp	0	9.4	9.9	29.02	56.64	-27.62	-	-
21	.5798	10.46	Qp	0	9.3	9.9	29.66	56	-26.34	-	-
23	.6945	8.98	Qp	0	9.4	9.9	28.28	56	-27.72	-	-
25	.8093	9.64	Qp	0	9.4	9.9	28.94	56	-27.06	-	-
27	13.56	34.3	Qp	.1	9.6	9.8	53.8	60	-6.2	-	-

Qp - Quasi-Peak detector

Av - Average detection

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.1.2 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

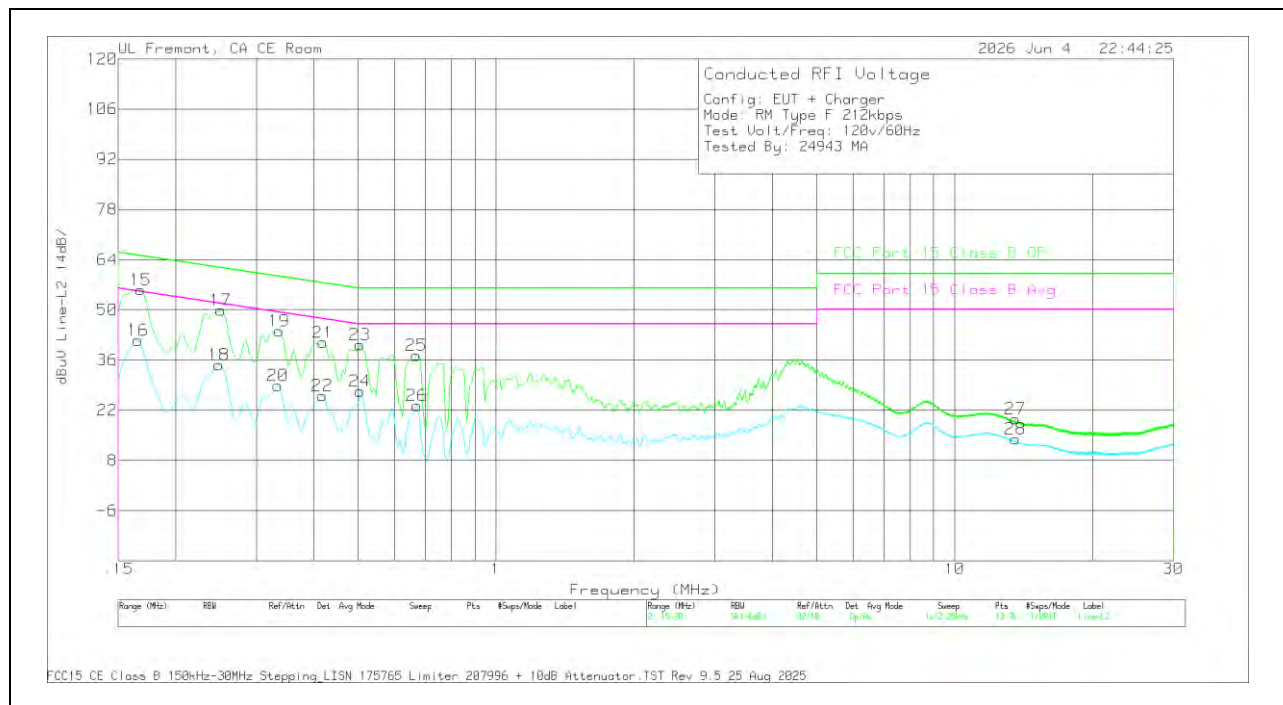
11.1.2. READER MODE: TYPE F, 212 kbps (ANTENNA PORT TERMINATED)**EUT + AC ADAPTER****LINE 1 RESULTS****MEASURED DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.1658	20.36	Av	.1	9.4	9.9	39.76	-	-	55.17	-15.41
4	.249	13.32	Av	0	9.4	9.9	32.62	-	-	51.79	-19.17
6	.3345	7.58	Av	0	9.3	9.9	26.78	-	-	49.34	-22.56
8	.4189	3.93	Av	0	9.3	9.9	23.13	-	-	47.47	-24.34
10	.5078	3.25	Av	0	9.4	9.9	22.55	-	-	46	-23.45
12	.5955	.78	Av	0	9.3	9.9	19.98	-	-	46	-26.02
14	13.56	-6.69	Av	.1	9.5	9.8	12.71	-	-	50	-37.29
1	.168	38.81	Qp	.1	9.4	9.9	58.21	65.06	-6.85	-	-
3	.2513	32.51	Qp	0	9.4	9.9	51.81	61.72	-9.91	-	-
5	.3368	26.41	Qp	0	9.3	9.9	45.61	59.28	-13.67	-	-
7	.42	22.68	Qp	0	9.3	9.9	41.88	57.45	-15.57	-	-
9	.5055	21.98	Qp	0	9.3	9.9	41.18	56	-14.82	-	-
11	.5955	19.22	Qp	0	9.3	9.9	38.42	56	-17.58	-	-
13	13.56	-35	Qp	.1	9.5	9.8	19.05	60	-40.95	-	-

Qp - Quasi-Peak detector

Av - Average detection

LINE 2 RESULTS

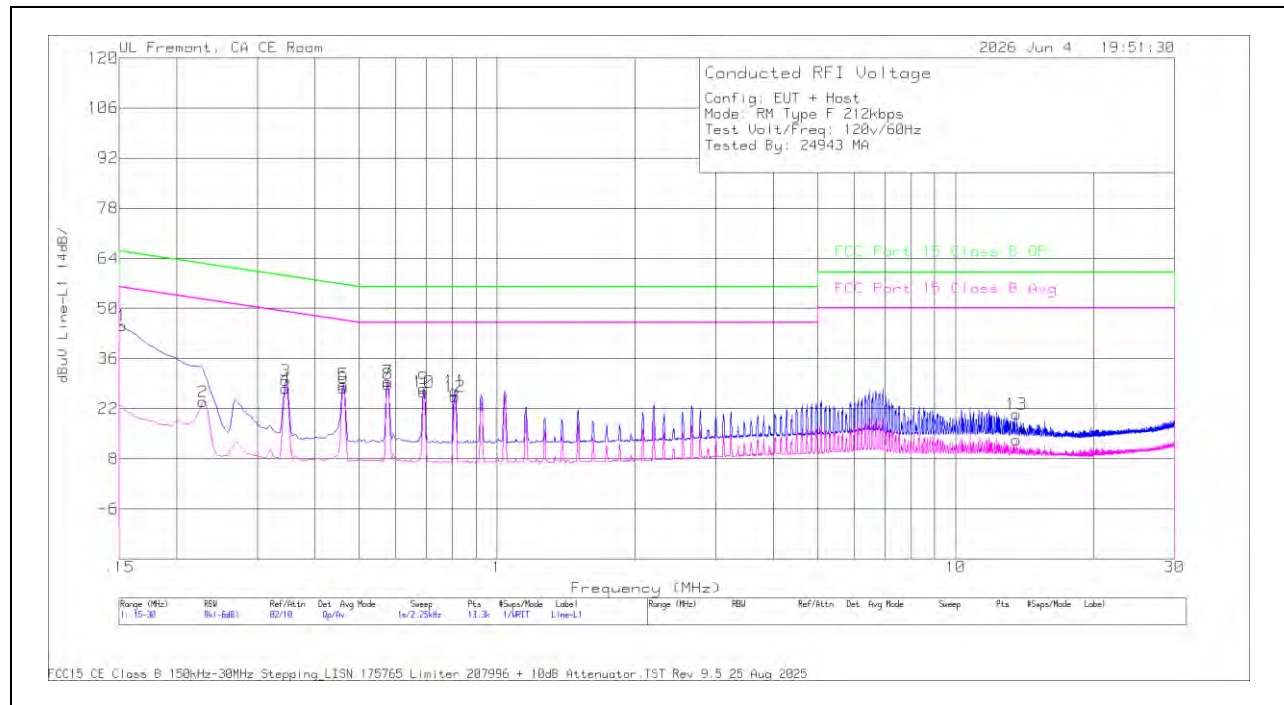


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.1658	22.05	Av	.1	9.4	9.9	41.45	-	-	55.17	-13.72
18	.249	15.43	Av	0	9.4	9.9	34.73	-	-	51.79	-17.06
20	.3345	9.61	Av	0	9.4	9.9	28.91	-	-	49.34	-20.43
22	.4178	6.92	Av	0	9.3	9.9	26.12	-	-	47.49	-21.37
24	.5055	8.1	Av	0	9.3	9.9	27.3	-	-	46	-18.7
26	.672	3.82	Av	0	9.4	10	23.22	-	-	46	-22.78
28	13.56	-5.54	Av	.1	9.6	9.8	13.96	-	-	50	-36.04
15	.168	36.2	Qp	.1	9.4	9.9	55.6	65.06	-9.46	-	-
17	.2513	30.6	Qp	0	9.4	9.9	49.9	61.72	-11.82	-	-
19	.3368	24.86	Qp	0	9.4	9.9	44.16	59.28	-15.12	-	-
21	.42	21.69	Qp	0	9.3	9.9	40.89	57.45	-16.56	-	-
23	.5055	21.14	Qp	0	9.3	9.9	40.34	56	-15.66	-	-
25	.6698	17.93	Qp	0	9.4	10	37.33	56	-18.67	-	-
27	13.56	.15	Qp	.1	9.6	9.8	19.65	60	-40.35	-	-

Qp - Quasi-Peak detector

Av - Average detection

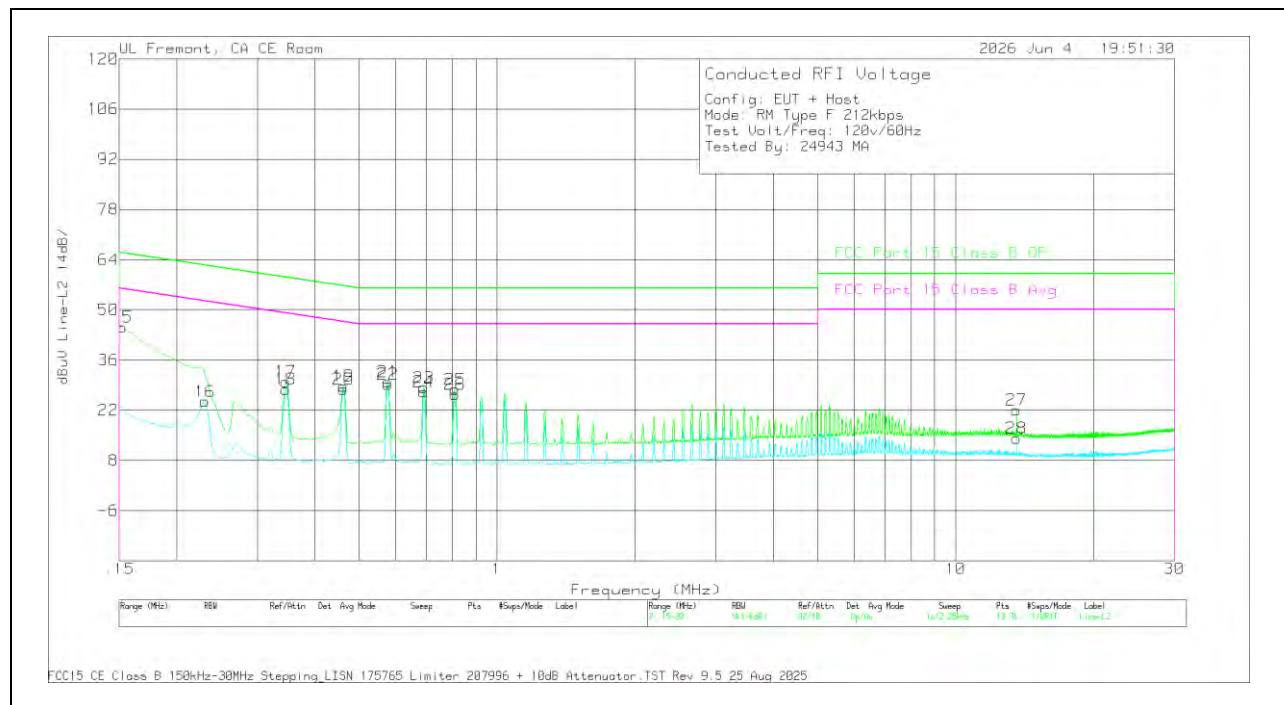
EUT + HOST**LINE 1 RESULTS****MEASURED DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.2288	4.6	Av	0	9.4	9.9	23.9	-	-	52.49	-28.59
4	.3458	8.52	Av	0	9.3	9.9	27.72	-	-	49.06	-21.34
6	.4628	8.61	Av	0	9.3	9.9	27.81	-	-	46.64	-18.83
8	.5775	9.61	Av	0	9.3	9.9	28.81	-	-	46	-17.19
10	.6923	7.24	Av	0	9.4	9.9	26.54	-	-	46	-19.46
12	.8093	6.24	Av	0	9.3	9.9	25.44	-	-	46	-20.56
14	13.56	-6.05	Av	.1	9.5	9.8	13.35	-	-	50	-36.65
1	.1523	25.78	Qp	.1	9.4	9.9	45.18	65.88	-20.7	-	-
3	.3458	10.64	Qp	0	9.3	9.9	29.84	59.06	-29.22	-	-
5	.4628	9.54	Qp	0	9.3	9.9	28.74	56.64	-27.9	-	-
7	.5775	10.32	Qp	0	9.3	9.9	29.52	56	-26.48	-	-
9	.6923	8.31	Qp	0	9.4	9.9	27.61	56	-28.39	-	-
11	.8093	7.81	Qp	0	9.3	9.9	27.01	56	-28.99	-	-
13	13.56	1.13	Qp	.1	9.5	9.8	20.53	60	-39.47	-	-

Qp - Quasi-Peak detector

Av - Average detection

LINE 2 RESULTS

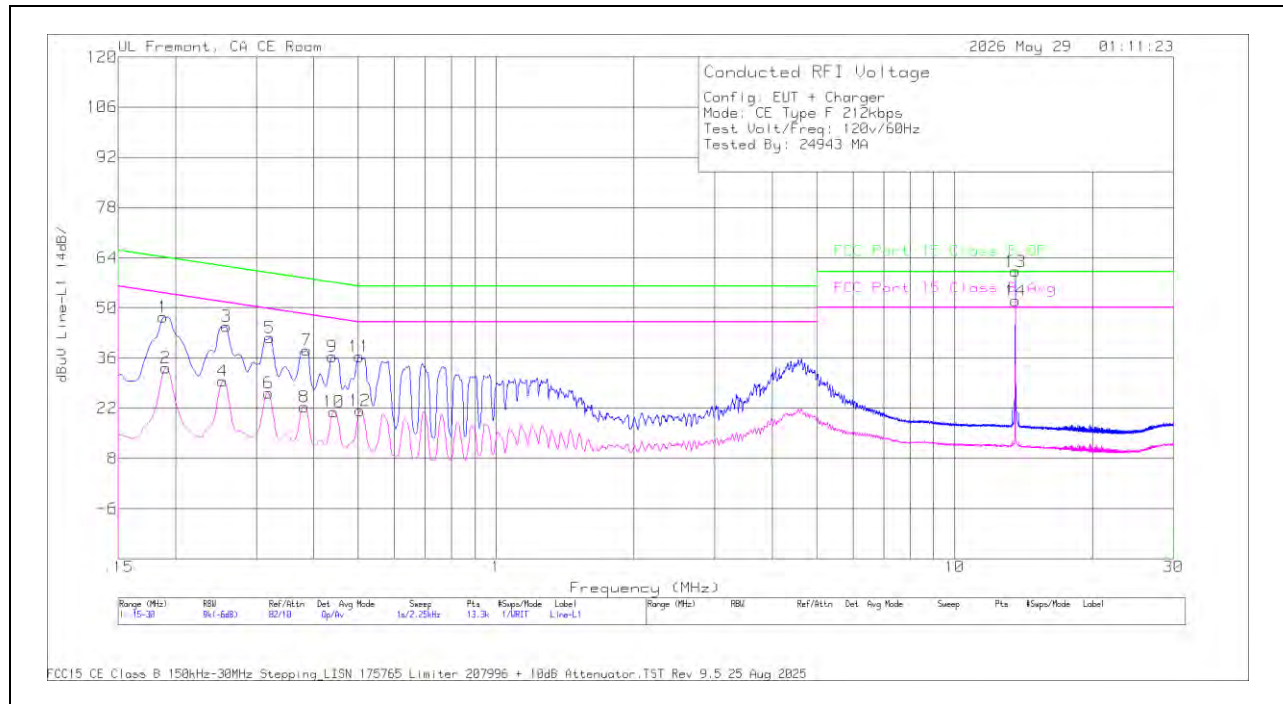


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.231	5.12	Av	0	9.4	9.9	24.42	-	-	52.41	-27.99
18	.3458	8.63	Av	0	9.3	9.9	27.83	-	-	49.06	-21.23
20	.4628	8.55	Av	0	9.4	9.9	27.85	-	-	46.64	-18.79
22	.5775	9.97	Av	0	9.3	9.9	29.17	-	-	46	-16.83
24	.6923	7.86	Av	0	9.4	9.9	27.16	-	-	46	-18.84
26	.8093	7.08	Av	0	9.4	9.9	26.38	-	-	46	-19.62
28	13.56	-5.35	Av	.1	9.6	9.8	14.15	-	-	50	-35.85
15	.1523	25.84	Qp	.1	9.4	9.9	45.24	65.88	-20.64	-	-
17	.3458	10.79	Qp	0	9.3	9.9	29.99	59.06	-29.07	-	-
19	.4628	9.47	Qp	0	9.4	9.9	28.77	56.64	-27.87	-	-
21	.5775	10.69	Qp	0	9.3	9.9	29.89	56	-26.11	-	-
23	.6923	8.98	Qp	0	9.4	9.9	28.28	56	-27.72	-	-
25	.8093	8.46	Qp	0	9.4	9.9	27.76	56	-28.24	-	-
27	13.56	2.59	Qp	.1	9.6	9.8	22.09	60	-37.91	-	-

Qp - Quasi-Peak detector

Av - Average detection

11.1.3. CE MODE: TYPE F, 212 kbps (NORMAL OPERATION)**EUT + AC ADAPTER****LINE 1 RESULTS****MEASURED DATA**

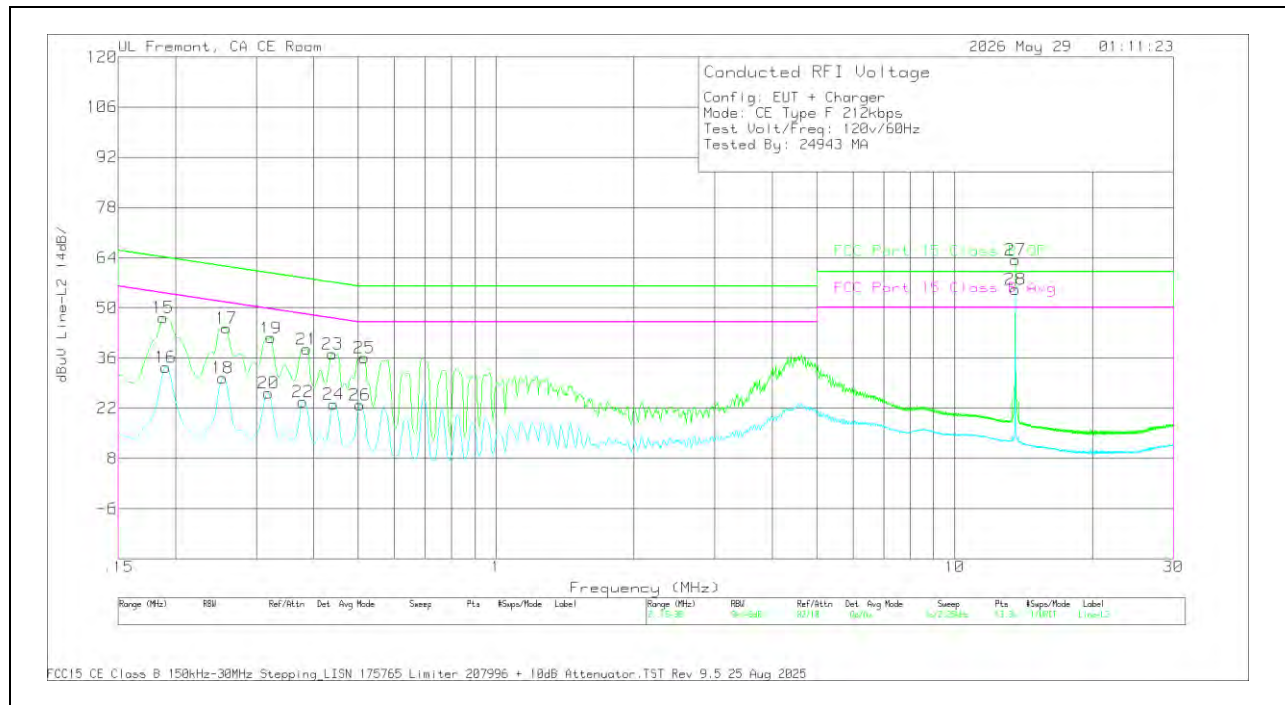
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.1905	13.81	Av	.1	9.4	9.9	33.21	-	-	54.01	-20.8
4	.2535	10.26	Av	0	9.4	9.9	29.56	-	-	51.64	-22.08
6	.3188	6.95	Av	0	9.4	9.9	26.25	-	-	49.74	-23.49
8	.3818	3.09	Av	0	9.4	9.9	22.39	-	-	48.24	-25.85
10	.4425	1.75	Av	0	9.3	9.9	20.95	-	-	47.01	-26.06
12	.5055	2.17	Av	0	9.3	9.9	21.37	-	-	46	-24.63
14	13.56	32.54	Av	.1	9.5	9.8	51.94	-	-	50	1.94
1	.1883	28.02	Qp	.1	9.4	9.9	47.42	64.11	-16.69	-	-
3	.258	25.52	Qp	0	9.4	9.9	44.82	61.5	-16.68	-	-
5	.321	22.31	Qp	0	9.4	9.9	41.61	59.68	-18.07	-	-
7	.3863	18.84	Qp	0	9.4	9.9	38.14	58.14	-20	-	-
9	.4403	17.29	Qp	0	9.3	9.9	36.49	57.06	-20.57	-	-
11	.5033	17.2	Qp	0	9.3	9.9	36.4	56	-19.6	-	-
13	13.56	40.76	Qp	.1	9.5	9.8	60.16	60	.16	-	-

Qp - Quasi-Peak detector

Av - Average detection

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.1.4 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

LINE 2 RESULTS



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.1905	14.16	Av	0	9.4	9.9	33.46	-	-	54.01	-20.55
18	.2535	11.17	Av	0	9.4	9.9	30.47	-	-	51.64	-21.17
20	.3188	6.9	Av	0	9.4	9.9	26.2	-	-	49.74	-23.54
22	.3795	4.53	Av	0	9.4	9.9	23.83	-	-	48.29	-24.46
24	.4425	3.79	Av	0	9.4	9.9	23.09	-	-	47.01	-23.92
26	.5055	3.76	Av	0	9.3	9.9	22.96	-	-	46	-23.04
28	13.56	35.6	Av	.1	9.6	9.8	55.1	-	-	50	5.1
15	.1883	28.03	Qp	0	9.4	9.9	47.33	64.11	-16.78	-	-
17	.258	25.08	Qp	0	9.4	9.9	44.38	61.5	-17.12	-	-
19	.3233	22.29	Qp	0	9.4	9.9	41.59	59.62	-18.03	-	-
21	.3863	19.24	Qp	0	9.3	9.9	38.44	58.14	-19.7	-	-
23	.4403	17.94	Qp	0	9.3	9.9	37.14	57.06	-19.92	-	-
25	.5168	16.83	Qp	0	9.3	9.9	36.03	56	-19.97	-	-
27	13.56	43.88	Qp	.1	9.6	9.8	63.38	60	3.38	-	-

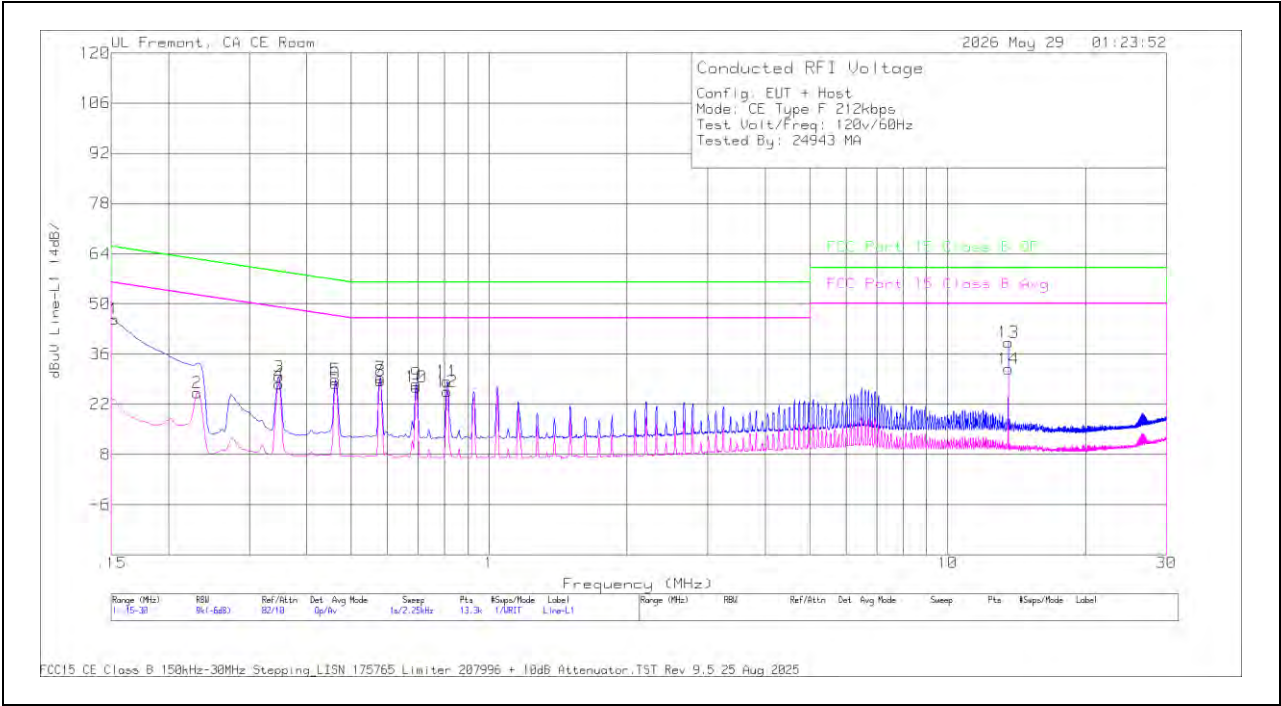
Qp - Quasi-Peak detector

Av - Average detection

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.1.4 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

EUT + HOST

LINE 1 RESULTS

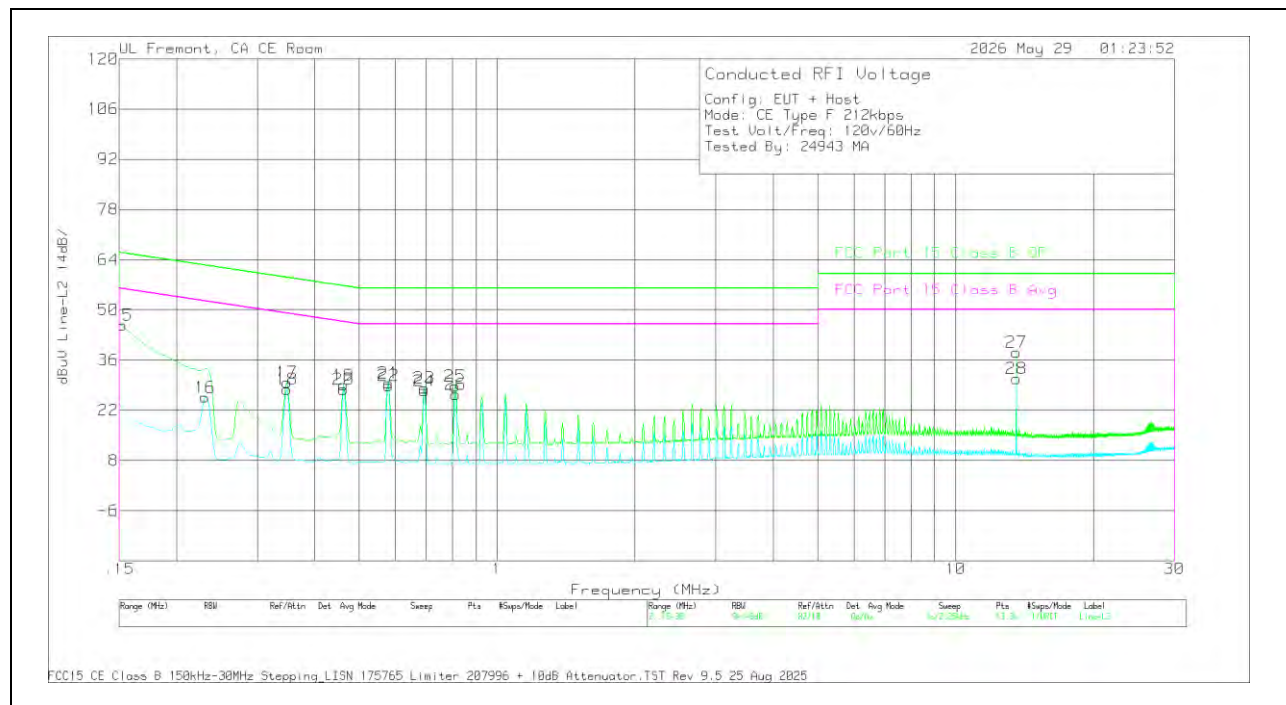


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.231	5.87	Av	0	9.4	9.9	25.17	-	-	52.41	-27.24
4	.348	8.47	Av	0	9.3	9.9	27.67	-	-	49.01	-21.34
6	.4628	8.61	Av	0	9.3	9.9	27.81	-	-	46.64	-18.83
8	.5798	9.3	Av	0	9.3	9.9	28.5	-	-	46	-17.5
10	.6945	7.45	Av	0	9.4	9.9	26.75	-	-	46	-19.25
12	.8093	6.4	Av	0	9.3	9.9	25.6	-	-	46	-20.4
14	13.56	12.44	Av	.1	9.5	9.8	31.84	-	-	50	-18.16
1	.1523	26.24	Qp	.1	9.4	9.9	45.64	65.88	-20.24	-	-
3	.348	10.48	Qp	0	9.3	9.9	29.68	59.01	-29.33	-	-
5	.4628	9.74	Qp	0	9.3	9.9	28.94	56.64	-27.7	-	-
7	.5798	10.15	Qp	0	9.3	9.9	29.35	56	-26.65	-	-
9	.6945	8.35	Qp	0	9.4	9.9	27.65	56	-28.35	-	-
11	.8093	9.19	Qp	0	9.3	9.9	28.39	56	-27.61	-	-
13	13.56	19.87	Qp	.1	9.5	9.8	39.27	60	-20.73	-	-

Qp - Quasi-Peak detector
Av - Average detection

LINE 2 RESULTS

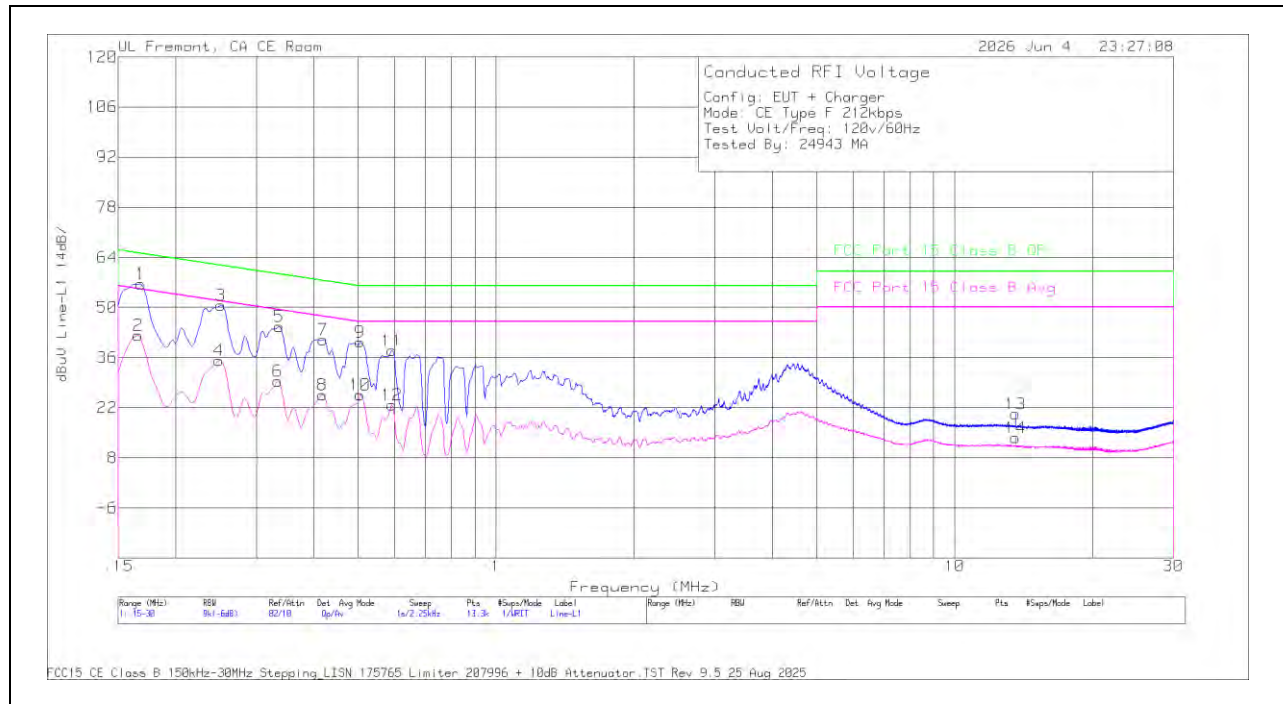


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.231	6.33	Av	0	9.4	9.9	25.63	-	-	52.41	-26.78
18	.348	8.66	Av	0	9.3	9.9	27.86	-	-	49.01	-21.15
20	.4628	8.48	Av	0	9.4	9.9	27.78	-	-	46.64	-18.86
22	.5798	9.67	Av	0	9.3	9.9	28.87	-	-	46	-17.13
24	.6945	8.1	Av	0	9.4	9.9	27.4	-	-	46	-18.6
26	.8115	7.08	Av	0	9.4	9.9	26.38	-	-	46	-19.62
28	13.56	11.29	Av	.1	9.6	9.8	30.79	-	-	50	-19.21
15	.1523	26.26	Qp	.1	9.4	9.9	45.66	65.88	-20.22	-	-
17	.348	10.58	Qp	0	9.3	9.9	29.78	59.01	-29.23	-	-
19	.4628	9.68	Qp	0	9.4	9.9	28.98	56.64	-27.66	-	-
21	.5798	10.44	Qp	0	9.3	9.9	29.64	56	-26.36	-	-
23	.6945	8.92	Qp	0	9.4	9.9	28.22	56	-27.78	-	-
25	.8093	9.46	Qp	0	9.4	9.9	28.76	56	-27.24	-	-
27	13.56	18.74	Qp	.1	9.6	9.8	38.24	60	-21.76	-	-

Qp - Quasi-Peak detector

Av - Average detection

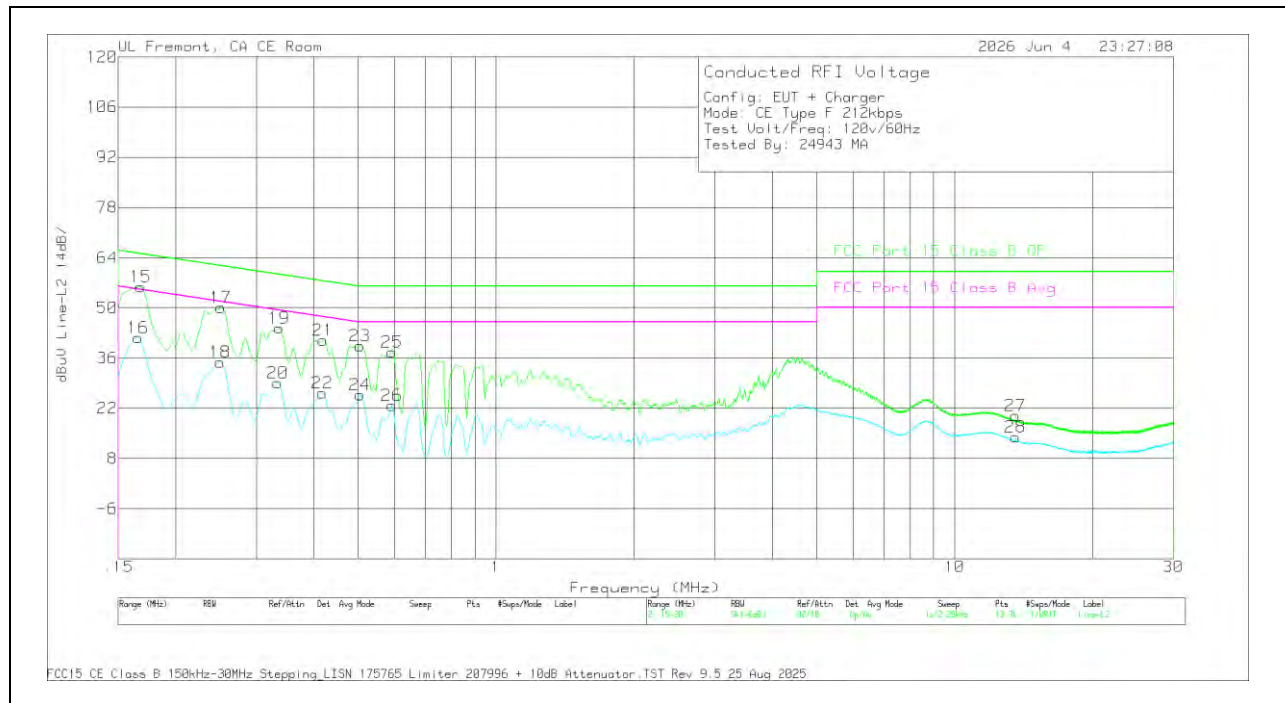
11.1.4. CE MODE: TYPE F, 212 kbps (ANTENNA PORT TERMINATED)**EUT + AC ADAPTER****LINE 1 RESULTS****MEASURED DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.1658	22.87	Av	.1	9.4	9.9	42.27	-	-	55.17	-12.9
4	.249	15.93	Av	0	9.4	9.9	35.23	-	-	51.79	-16.56
6	.3345	10.22	Av	0	9.3	9.9	29.42	-	-	49.34	-19.92
8	.4178	6.35	Av	0	9.3	9.9	25.55	-	-	47.49	-21.94
10	.5055	6.38	Av	0	9.3	9.9	25.58	-	-	46	-20.42
12	.5933	3.56	Av	0	9.3	9.9	22.76	-	-	46	-23.24
14	13.56	-5.85	Av	.1	9.5	9.8	13.55	-	-	50	-36.45
1	.168	37.15	Qp	.1	9.4	9.9	56.55	65.06	-8.51	-	-
3	.2513	31.29	Qp	0	9.4	9.9	50.59	61.72	-11.13	-	-
5	.3368	25.5	Qp	0	9.3	9.9	44.7	59.28	-14.58	-	-
7	.42	21.82	Qp	0	9.3	9.9	41.02	57.45	-16.43	-	-
9	.5055	21.15	Qp	0	9.3	9.9	40.35	56	-15.65	-	-
11	.5933	18.71	Qp	0	9.3	9.9	37.91	56	-18.09	-	-
13	13.56	.81	Qp	.1	9.5	9.8	20.21	60	-39.79	-	-

Qp - Quasi-Peak detector

Av - Average detection

LINE 2 RESULTS

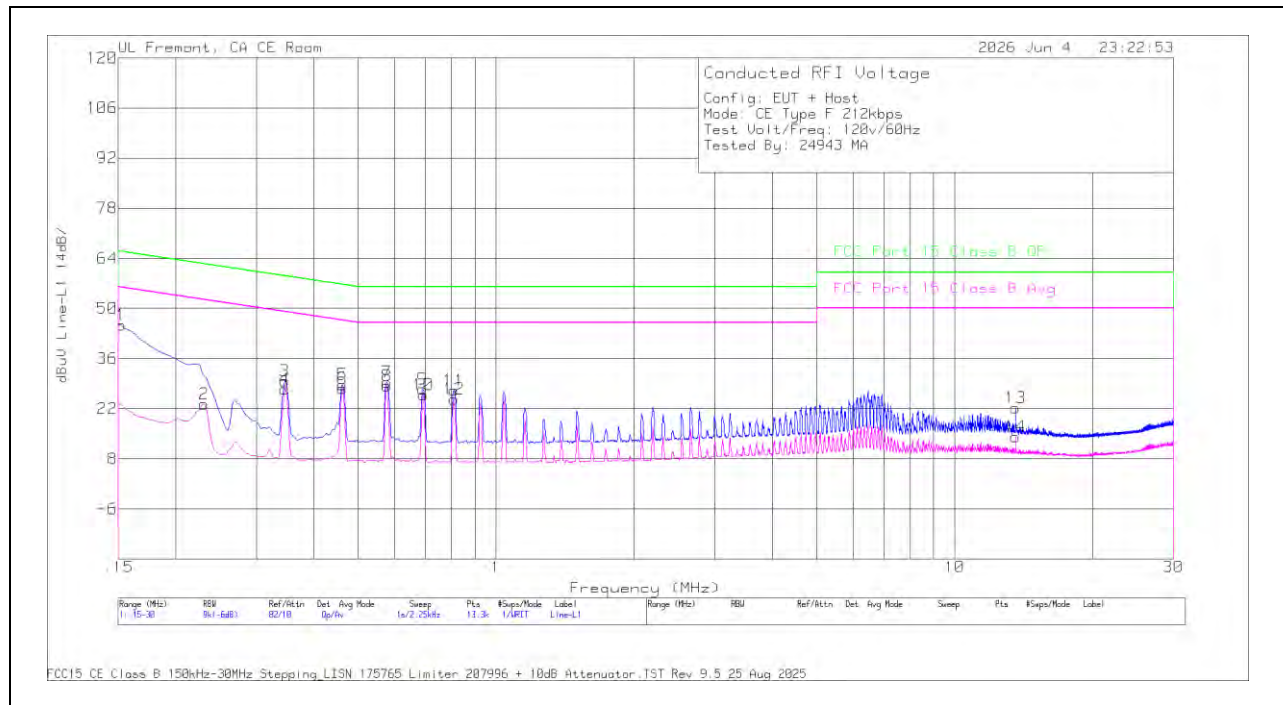


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.1658	22.29	Av	.1	9.4	9.9	41.69	-	-	55.17	-13.48
18	.2501	15.6	Av	0	9.4	9.9	34.9	-	-	51.75	-16.85
20	.3345	9.81	Av	0	9.4	9.9	29.11	-	-	49.34	-20.23
22	.4178	7.02	Av	0	9.3	9.9	26.22	-	-	47.49	-21.27
24	.5055	6.47	Av	0	9.3	9.9	25.67	-	-	46	-20.33
26	.5933	3.48	Av	0	9.3	9.9	22.68	-	-	46	-23.32
28	13.56	-5.54	Av	.1	9.6	9.8	13.96	-	-	50	-36.04
15	.168	36.52	Qp	.1	9.4	9.9	55.92	65.06	-9.14	-	-
17	.2513	30.76	Qp	0	9.4	9.9	50.06	61.72	-11.66	-	-
19	.3368	25.08	Qp	0	9.4	9.9	44.38	59.28	-14.9	-	-
21	.42	21.79	Qp	0	9.3	9.9	40.99	57.45	-16.46	-	-
23	.5055	20.25	Qp	0	9.3	9.9	39.45	56	-16.55	-	-
25	.5933	18.42	Qp	0	9.3	9.9	37.62	56	-18.38	-	-
27	13.56	.45	Qp	.1	9.6	9.8	19.95	60	-40.05	-	-

Qp - Quasi-Peak detector

Av - Average detection

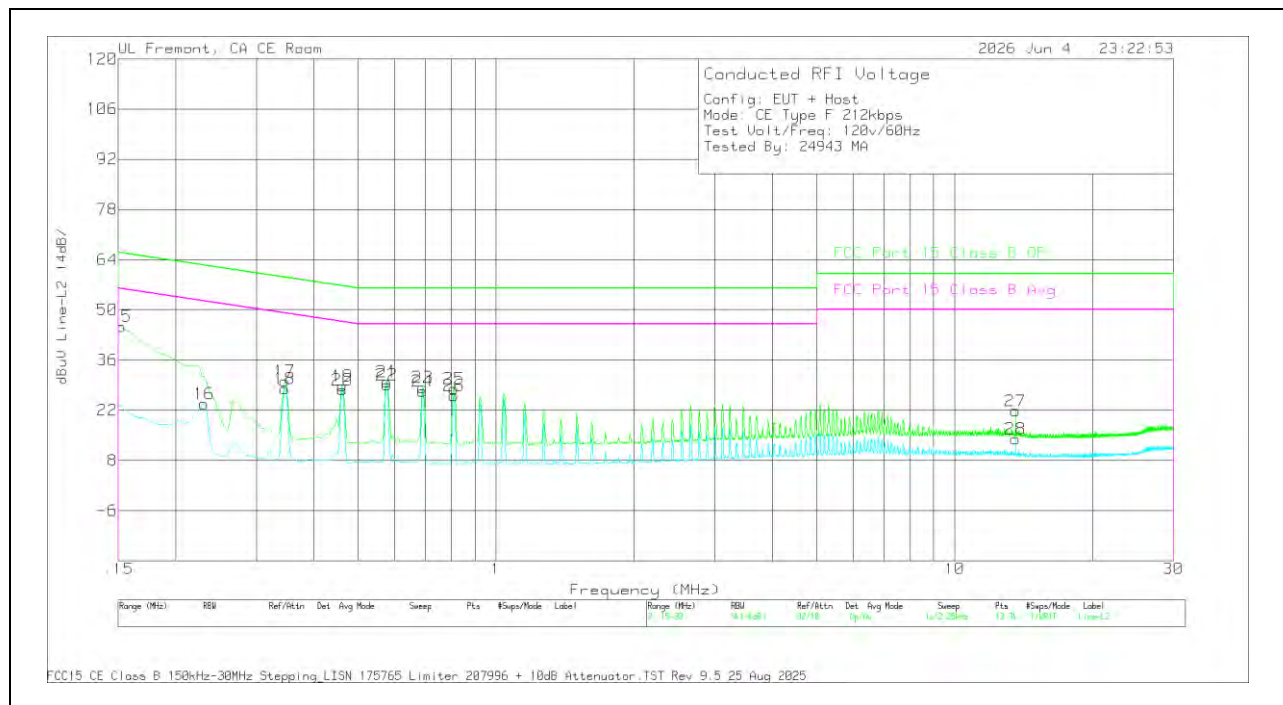
EUT + HOST**LINE 1 RESULTS****MEASURED DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.231	4.04	Av	0	9.4	9.9	23.34	-	-	52.41	-29.07
4	.3458	8.21	Av	0	9.3	9.9	27.41	-	-	49.06	-21.65
6	.4628	8.46	Av	0	9.3	9.9	27.66	-	-	46.64	-18.98
8	.5775	9.09	Av	0	9.3	9.9	28.29	-	-	46	-17.71
10	.6945	6.54	Av	0	9.4	9.9	25.84	-	-	46	-20.16
12	.8093	5.52	Av	0	9.3	9.9	24.72	-	-	46	-21.28
14	13.56	-5.27	Av	.1	9.5	9.8	14.13	-	-	50	-35.87
1	.1523	25.9	Qp	.1	9.4	9.9	45.3	65.88	-20.58	-	-
3	.3458	10.52	Qp	0	9.3	9.9	29.72	59.06	-29.34	-	-
5	.4628	9.49	Qp	0	9.3	9.9	28.69	56.64	-27.95	-	-
7	.5775	10.19	Qp	0	9.3	9.9	29.39	56	-26.61	-	-
9	.6923	8.17	Qp	0	9.4	9.9	27.47	56	-28.53	-	-
11	.8093	7.93	Qp	0	9.3	9.9	27.13	56	-28.87	-	-
13	13.56	2.84	Qp	.1	9.5	9.8	22.24	60	-37.76	-	-

Qp - Quasi-Peak detector

Av - Average detection

LINE 2 RESULTS

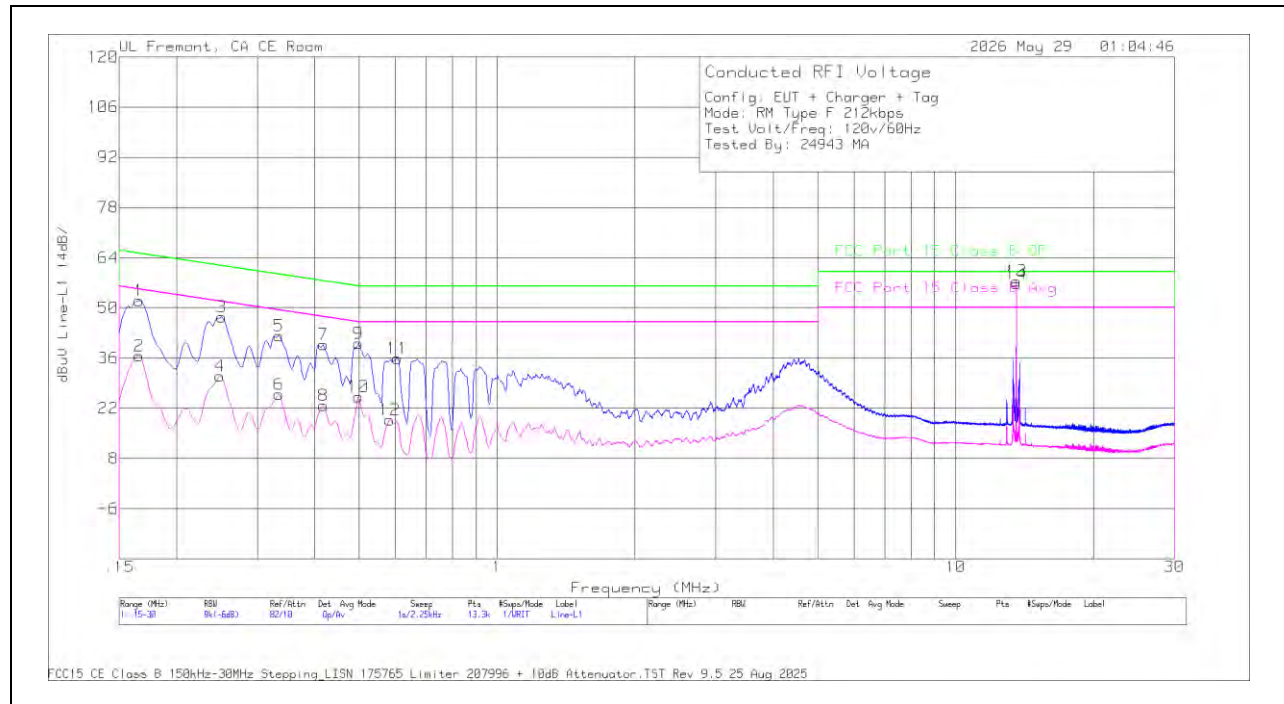


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.231	4.48	Av	0	9.4	9.9	23.78	-	-	52.41	-28.63
18	.3458	8.75	Av	0	9.3	9.9	27.95	-	-	49.06	-21.11
20	.4628	8.43	Av	0	9.4	9.9	27.73	-	-	46.64	-18.91
22	.5775	9.93	Av	0	9.3	9.9	29.13	-	-	46	-16.87
24	.6923	7.99	Av	0	9.4	9.9	27.29	-	-	46	-18.71
26	.8093	6.85	Av	0	9.4	9.9	26.15	-	-	46	-19.85
28	13.56	-5.54	Av	.1	9.6	9.8	13.96	-	-	50	-36.04
15	.1523	25.93	Qp	.1	9.4	9.9	45.33	65.88	-20.55	-	-
17	.3458	10.89	Qp	0	9.3	9.9	30.09	59.06	-28.97	-	-
19	.4628	9.49	Qp	0	9.4	9.9	28.79	56.64	-27.85	-	-
21	.5775	10.68	Qp	0	9.3	9.9	29.88	56	-26.12	-	-
23	.6923	9.02	Qp	0	9.4	9.9	28.32	56	-27.68	-	-
25	.8093	8.73	Qp	0	9.4	9.9	28.03	56	-27.97	-	-
27	13.56	2.3	Qp	.1	9.6	9.8	21.8	60	-38.2	-	-

Qp - Quasi-Peak detector

Av - Average detection

11.1.5. TAG MODE: TYPE F, 212 kbps (NORMAL OPERATION)**EUT + AC ADAPTER****LINE 1 RESULTS****MEASURED DATA**

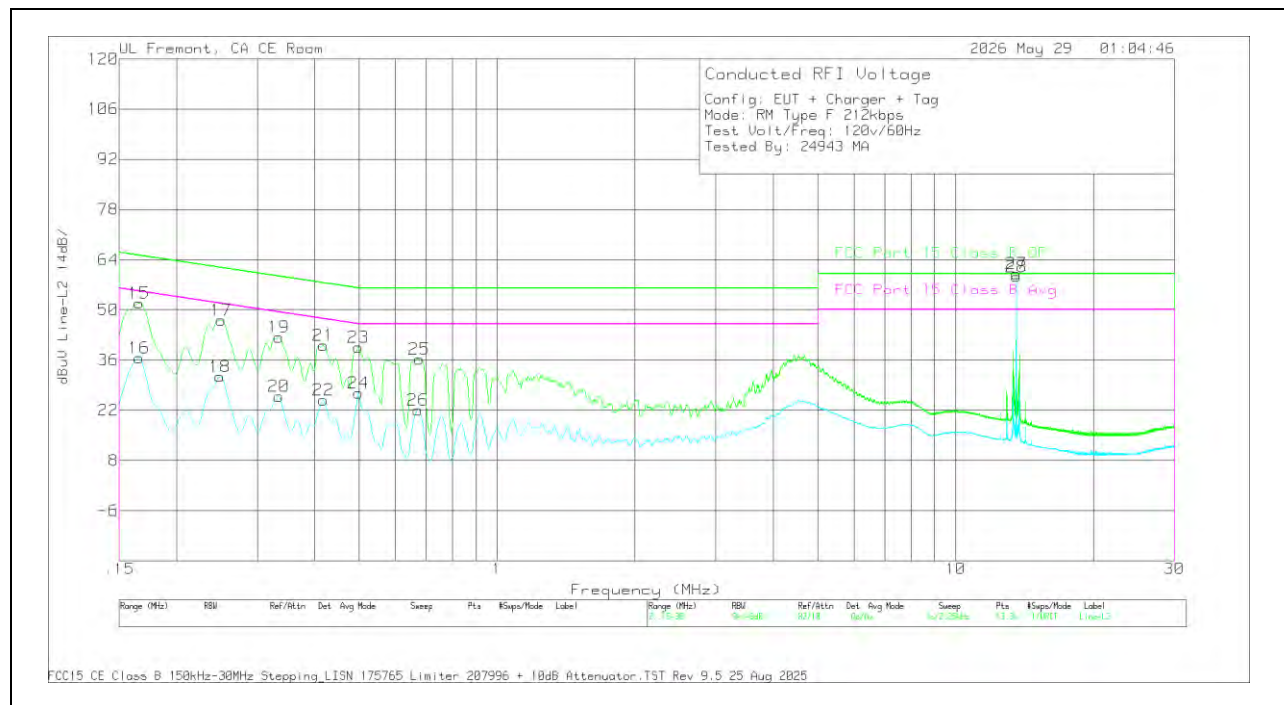
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.1658	17.25	Av	.1	9.4	9.9	36.65	-	-	55.17	-18.52
4	.249	11.66	Av	0	9.4	9.9	30.96	-	-	51.79	-20.83
6	.3345	6.63	Av	0	9.3	9.9	25.83	-	-	49.34	-23.51
8	.4178	3.54	Av	0	9.3	9.9	22.74	-	-	47.49	-24.75
10	.4988	6.07	Av	0	9.3	9.9	25.27	-	-	46.02	-20.75
12	.5843	-.41	Av	0	9.3	9.9	18.79	-	-	46	-27.21
14	13.56	37.27	Av	.1	9.5	9.8	56.67	-	-	50	6.67
1	.1658	32.66	Qp	.1	9.4	9.9	52.06	65.17	-13.11	-	-
3	.2513	28.09	Qp	0	9.4	9.9	47.39	61.72	-14.33	-	-
5	.3345	23.04	Qp	0	9.3	9.9	42.24	59.34	-17.1	-	-
7	.4178	20.49	Qp	0	9.3	9.9	39.69	57.49	-17.8	-	-
9	.4988	20.89	Qp	0	9.3	9.9	40.09	56.02	-15.93	-	-
11	.6068	16.72	Qp	0	9.3	9.9	35.92	56	-20.08	-	-
13	13.56	38.03	Qp	.1	9.5	9.8	57.43	60	-2.57	-	-

Qp - Quasi-Peak detector

Av - Average detection

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.1.6 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

LINE 2 RESULTS



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.1658	17.18	Av	.1	9.4	9.9	36.58	-	-	55.17	-18.59
18	.249	12.11	Av	0	9.4	9.9	31.41	-	-	51.79	-20.38
20	.3345	6.54	Av	0	9.4	9.9	25.84	-	-	49.34	-23.5
22	.4178	5.59	Av	0	9.3	9.9	24.79	-	-	47.49	-22.7
24	.4988	7.55	Av	0	9.3	9.9	26.75	-	-	46.02	-19.27
26	.672	2.65	Av	0	9.4	10	22.05	-	-	46	-23.95
28	13.56	39.78	Av	.1	9.6	9.8	59.28	-	-	50	9.28
15	.1658	32.52	Qp	.1	9.4	9.9	51.92	65.17	-13.25	-	-
17	.2501	27.86	Qp	0	9.4	9.9	47.16	61.75	-14.59	-	-
19	.3345	23.12	Qp	0	9.4	9.9	42.42	59.34	-16.92	-	-
21	.4178	20.94	Qp	0	9.3	9.9	40.14	57.49	-17.35	-	-
23	.4988	20.35	Qp	0	9.3	9.9	39.55	56.02	-16.47	-	-
25	.6765	17.01	Qp	0	9.4	9.9	36.31	56	-19.69	-	-
27	13.56	40.64	Qp	.1	9.6	9.8	60.14	60	.14	-	-

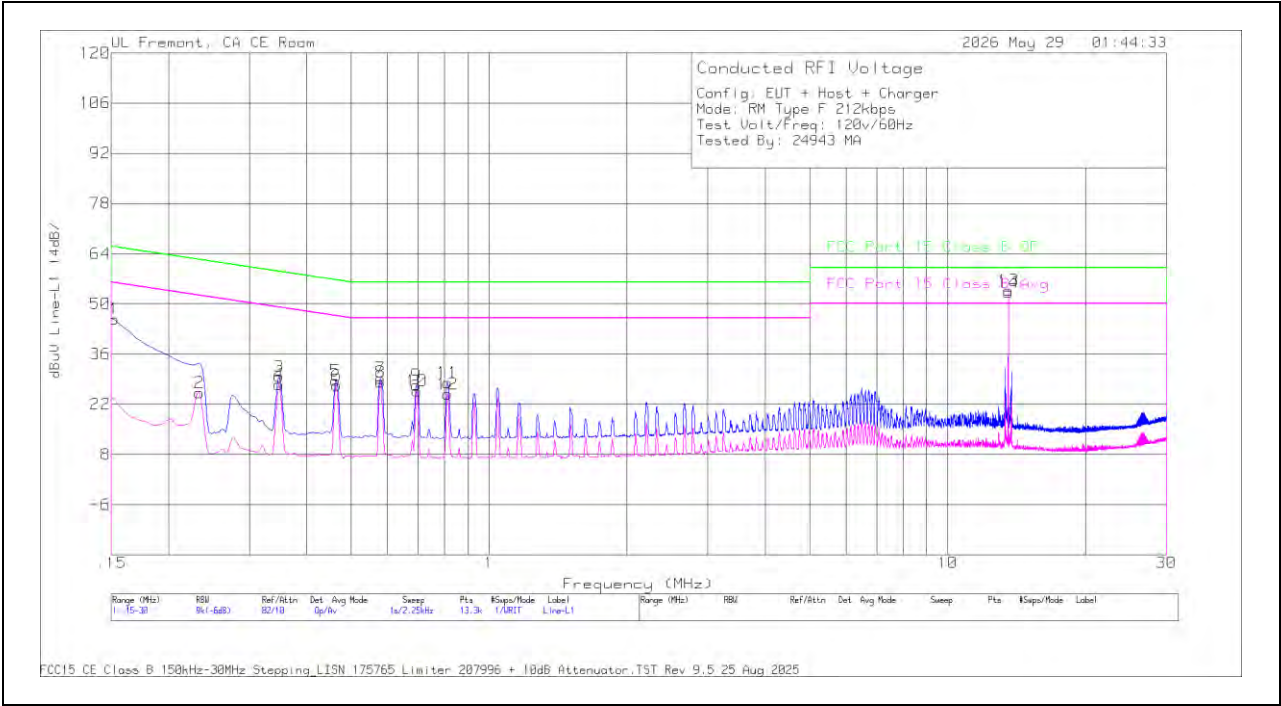
Qp - Quasi-Peak detector

Av - Average detection

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.1.6 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

EUT + HOST

LINE 1 RESULTS



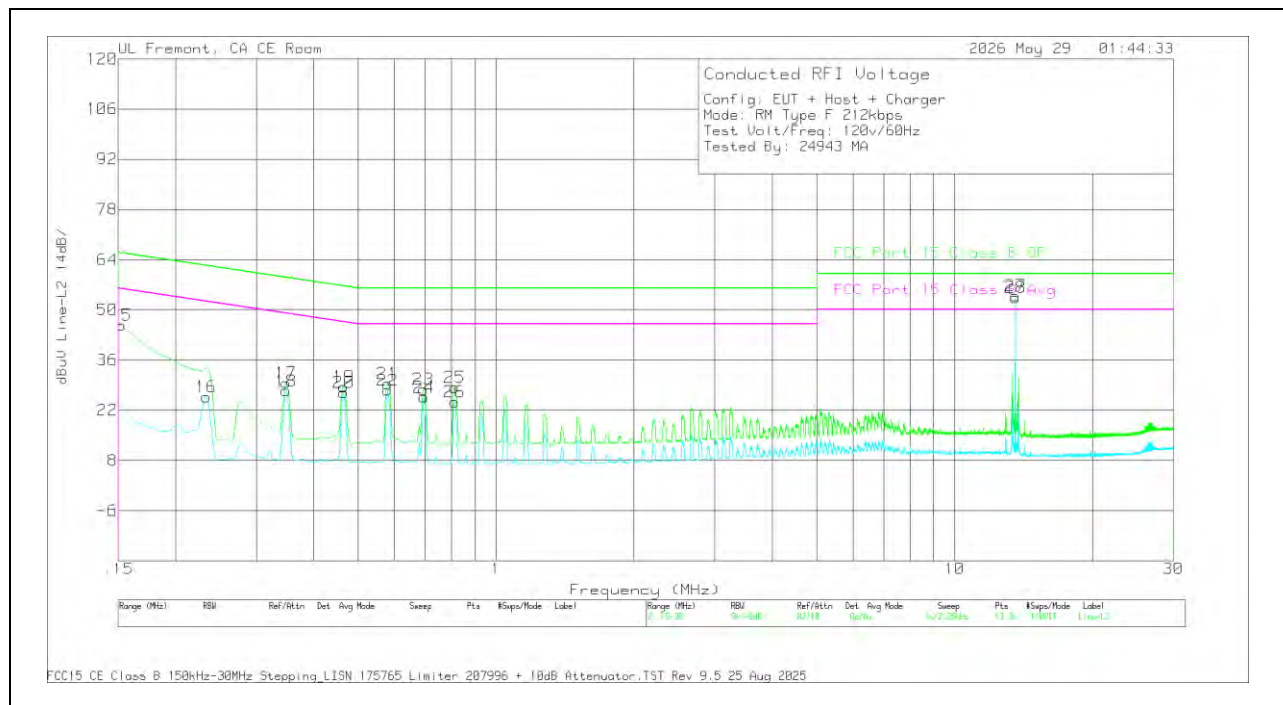
MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.2333	5.93	Av	0	9.4	9.9	25.23	-	-	52.33	-27.1
4	.348	8.31	Av	0	9.3	9.9	27.51	-	-	49.01	-21.5
6	.465	7.93	Av	0	9.4	9.9	27.23	-	-	46.6	-19.37
8	.5798	8.95	Av	0	9.3	9.9	28.15	-	-	46	-17.85
10	.6968	6.5	Av	0	9.4	9.9	25.8	-	-	46	-20.2
12	.8115	5.63	Av	0	9.3	9.9	24.83	-	-	46	-21.17
14	13.56	33.8	Av	.1	9.5	9.8	53.2	-	-	50	3.2
1	.1523	26.29	Qp	.1	9.4	9.9	45.69	65.88	-20.19	-	-
3	.348	10.48	Qp	0	9.3	9.9	29.68	59.01	-29.33	-	-
5	.4628	9.41	Qp	0	9.3	9.9	28.61	56.64	-28.03	-	-
7	.5798	10.05	Qp	0	9.3	9.9	29.25	56	-26.75	-	-
9	.6945	8.04	Qp	0	9.4	9.9	27.34	56	-28.66	-	-
11	.8115	8.87	Qp	0	9.3	9.9	28.07	56	-27.93	-	-
13	13.56	34.36	Qp	.1	9.5	9.8	53.76	60	-6.24	-	-

Qp - Quasi-Peak detector
Av - Average detection

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.1.6 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

LINE 2 RESULTS



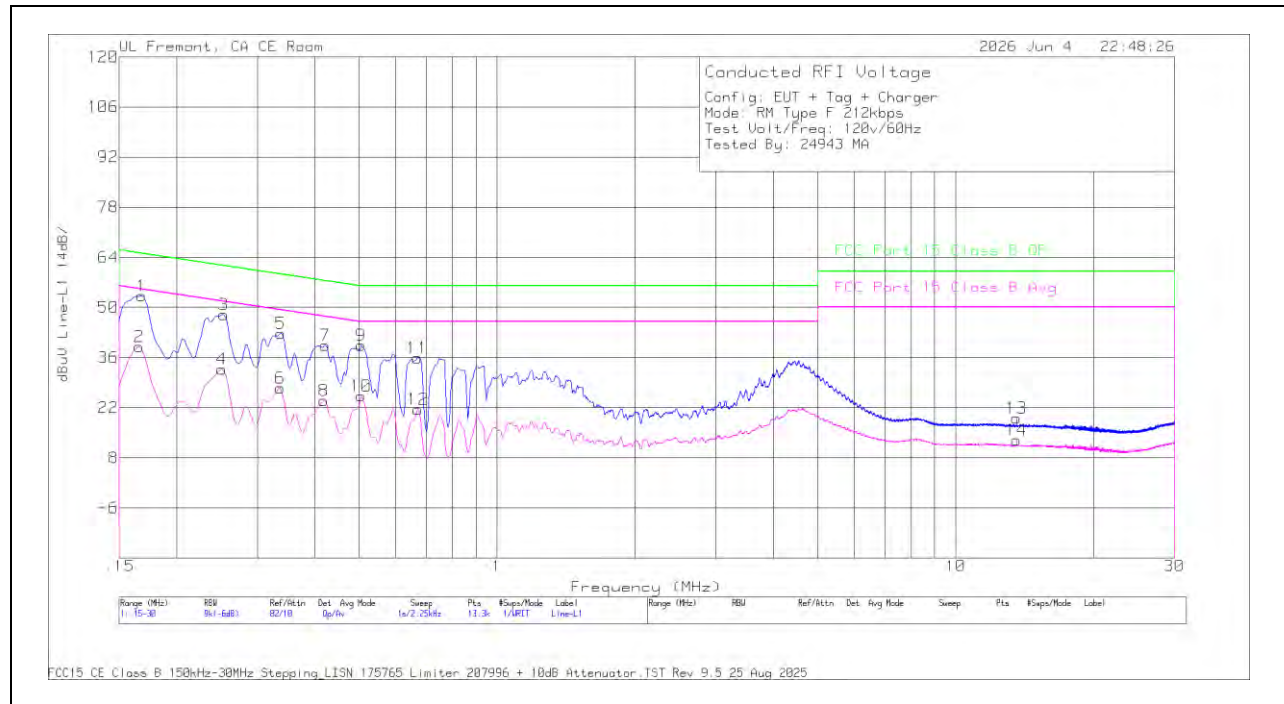
MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.2333	6.42	Av	0	9.4	9.9	25.72	-	-	52.33	-26.61
18	.348	8.19	Av	0	9.3	9.9	27.39	-	-	49.01	-21.62
20	.465	7.68	Av	0	9.4	9.9	26.98	-	-	46.6	-19.62
22	.5798	8.37	Av	0	9.3	9.9	27.57	-	-	46	-18.43
24	.6968	6.34	Av	0	9.4	9.9	25.64	-	-	46	-20.36
26	.8115	5.08	Av	0	9.4	9.9	24.38	-	-	46	-21.62
28	13.56	33.96	Av	.1	9.6	9.8	53.46	-	-	50	3.46
15	.1523	26.32	Qp	.1	9.4	9.9	45.72	65.88	-20.16	-	-
17	.348	10.46	Qp	0	9.3	9.9	29.66	59.01	-29.35	-	-
19	.465	9.22	Qp	0	9.4	9.9	28.52	56.6	-28.08	-	-
21	.5798	10.16	Qp	0	9.3	9.9	29.36	56	-26.64	-	-
23	.6945	8.48	Qp	0	9.4	9.9	27.78	56	-28.22	-	-
25	.8115	9.01	Qp	0	9.4	9.9	28.31	56	-27.69	-	-
27	13.56	34.51	Qp	.1	9.6	9.8	54.01	60	-5.99	-	-

Qp - Quasi-Peak detector

Av - Average detection

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.1.6 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

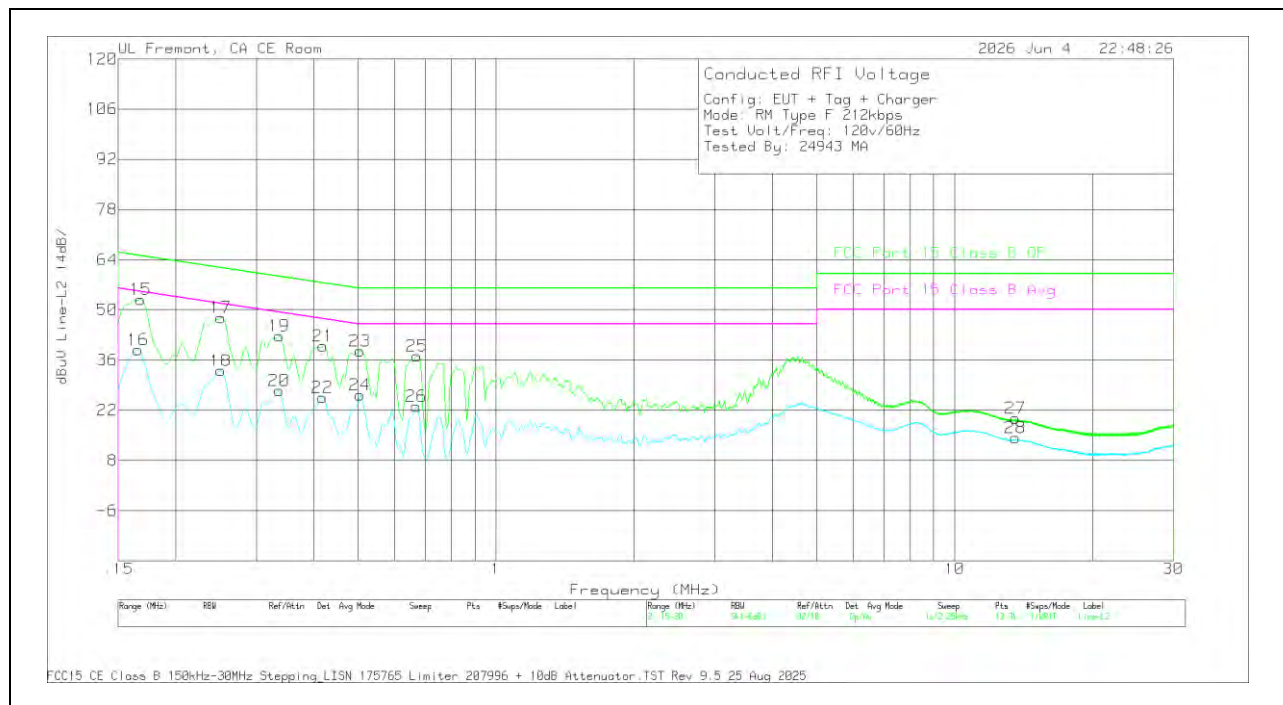
11.1.6. TAG MODE: TYPE F, 212 kbps (ANTENNA PORT TERMINATED)**EUT + AC ADAPTER****LINE 1 RESULTS****MEASURED DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.1658	19.63	Av	.1	9.4	9.9	39.03	-	-	55.17	-16.14
4	.2513	13.42	Av	0	9.4	9.9	32.72	-	-	51.72	-19
6	.3368	8.27	Av	0	9.3	9.9	27.47	-	-	49.28	-21.81
8	.42	4.74	Av	0	9.3	9.9	23.94	-	-	47.45	-23.51
10	.5055	6.08	Av	0	9.3	9.9	25.28	-	-	46	-20.72
12	.672	2.12	Av	0	9.4	10	21.52	-	-	46	-24.48
14	13.56	-6.47	Av	.1	9.5	9.8	12.93	-	-	50	-37.07
1	.168	33.82	Qp	.1	9.4	9.9	53.22	65.06	-11.84	-	-
3	.2535	28.72	Qp	0	9.4	9.9	48.02	61.64	-13.62	-	-
5	.3379	23.54	Qp	0	9.3	9.9	42.74	59.26	-16.52	-	-
7	.4223	20.13	Qp	0	9.3	9.9	39.33	57.4	-18.07	-	-
9	.5055	20.16	Qp	0	9.3	9.9	39.36	56	-16.64	-	-
11	.6709	16.51	Qp	0	9.4	10	35.91	56	-20.09	-	-
13	13.56	-37	Qp	.1	9.5	9.8	19.03	60	-40.97	-	-

Qp - Quasi-Peak detector

Av - Average detection

LINE 2 RESULTS

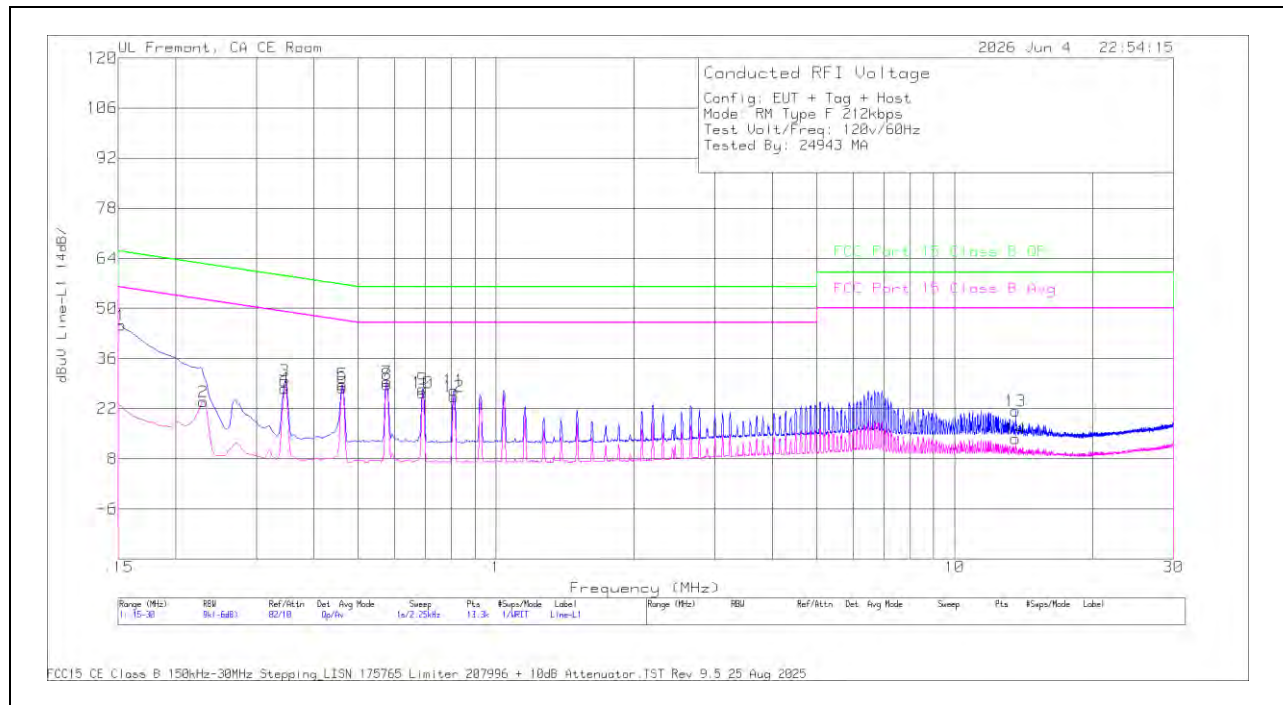


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.1658	19.48	Av	.1	9.4	9.9	38.88	-	-	55.17	-16.29
18	.2513	13.71	Av	0	9.4	9.9	33.01	-	-	51.72	-18.71
20	.3368	8.18	Av	0	9.4	9.9	27.48	-	-	49.28	-21.8
22	.4178	6.35	Av	0	9.3	9.9	25.55	-	-	47.49	-21.94
24	.5055	7.12	Av	0	9.3	9.9	26.32	-	-	46	-19.68
26	.6709	3.76	Av	0	9.4	10	23.16	-	-	46	-22.84
28	13.56	-5.16	Av	.1	9.6	9.8	14.34	-	-	50	-35.66
15	.168	33.45	Qp	.1	9.4	9.9	52.85	65.06	-12.21	-	-
17	.2513	28.45	Qp	0	9.4	9.9	47.75	61.72	-13.97	-	-
19	.3368	23.38	Qp	0	9.4	9.9	42.68	59.28	-16.6	-	-
21	.42	20.72	Qp	0	9.3	9.9	39.92	57.45	-17.53	-	-
23	.5055	19.3	Qp	0	9.3	9.9	38.5	56	-17.5	-	-
25	.672	17.78	Qp	0	9.4	10	37.18	56	-18.82	-	-
27	13.56	.25	Qp	.1	9.6	9.8	19.75	60	-40.25	-	-

Qp - Quasi-Peak detector

Av - Average detection

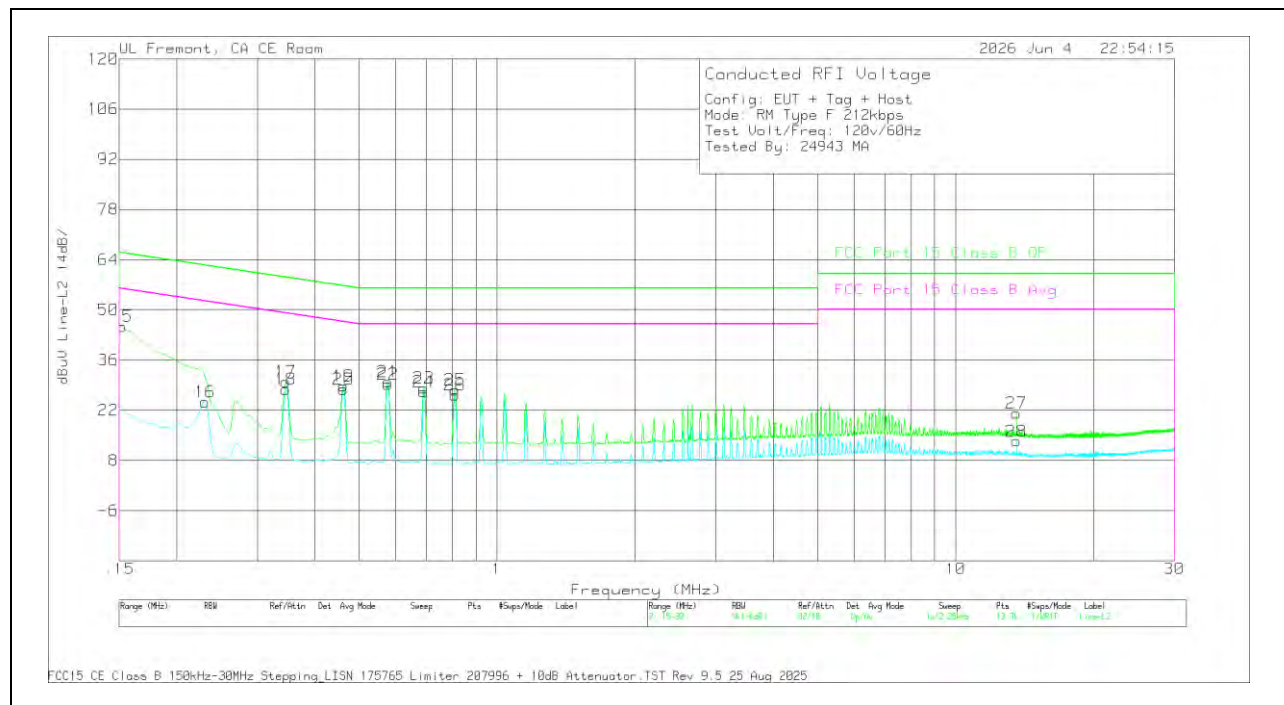
EUT + HOST**LINE 1 RESULTS****MEASURED DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.2299	4.6	Av	0	9.4	9.9	23.9	-	-	52.45	-28.55
4	.3458	8.44	Av	0	9.3	9.9	27.64	-	-	49.06	-21.42
6	.4628	8.61	Av	0	9.3	9.9	27.81	-	-	46.64	-18.83
8	.5775	9.54	Av	0	9.3	9.9	28.74	-	-	46	-17.26
10	.6923	7.15	Av	0	9.4	9.9	26.45	-	-	46	-19.55
12	.8093	6.24	Av	0	9.3	9.9	25.44	-	-	46	-20.56
14	13.56	-5.85	Av	.1	9.5	9.8	13.55	-	-	50	-36.45
1	.1523	25.87	Qp	.1	9.4	9.9	45.27	65.88	-20.61	-	-
3	.3458	10.61	Qp	0	9.3	9.9	29.81	59.06	-29.25	-	-
5	.4628	9.57	Qp	0	9.3	9.9	28.77	56.64	-27.87	-	-
7	.5775	10.3	Qp	0	9.3	9.9	29.5	56	-26.5	-	-
9	.6923	8.25	Qp	0	9.4	9.9	27.55	56	-28.45	-	-
11	.8093	7.88	Qp	0	9.3	9.9	27.08	56	-28.92	-	-
13	13.56	1.96	Qp	.1	9.5	9.8	21.36	60	-38.64	-	-

Qp - Quasi-Peak detector

Av - Average detection

LINE 2 RESULTS



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.231	5.06	Av	0	9.4	9.9	24.36	-	-	52.41	-28.05
18	.3458	8.63	Av	0	9.3	9.9	27.83	-	-	49.06	-21.23
20	.4628	8.59	Av	0	9.4	9.9	27.89	-	-	46.64	-18.75
22	.5775	9.97	Av	0	9.3	9.9	29.17	-	-	46	-16.83
24	.6923	7.78	Av	0	9.4	9.9	27.08	-	-	46	-18.92
26	.8093	6.99	Av	0	9.4	9.9	26.29	-	-	46	-19.71
28	13.56	-6.13	Av	.1	9.6	9.8	13.37	-	-	50	-36.63
15	.1523	25.89	Qp	.1	9.4	9.9	45.29	65.88	-20.59	-	-
17	.3458	10.79	Qp	0	9.3	9.9	29.99	59.06	-29.07	-	-
19	.4628	9.49	Qp	0	9.4	9.9	28.79	56.64	-27.85	-	-
21	.5775	10.67	Qp	0	9.3	9.9	29.87	56	-26.13	-	-
23	.6923	8.82	Qp	0	9.4	9.9	28.12	56	-27.88	-	-
25	.8093	8.34	Qp	0	9.4	9.9	27.64	56	-28.36	-	-
27	13.56	1.67	Qp	.1	9.6	9.8	21.17	60	-38.83	-	-

Qp - Quasi-Peak detector

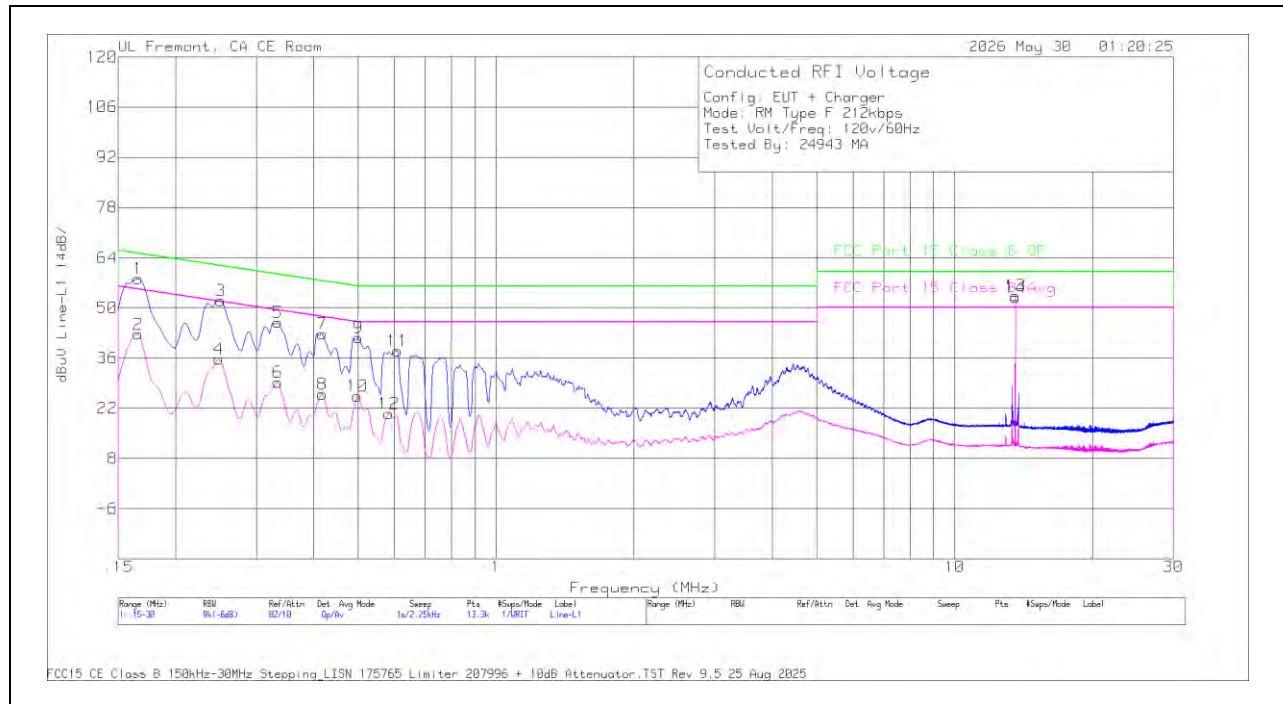
Av - Average detection

11.2. SECONDARY ANTENNA

11.2.1. READER MODE: TYPE F, 212 kbps (NORMAL OPERATION)

EUT + AC ADAPTER

LINE 1 RESULTS



MEASURED DATA

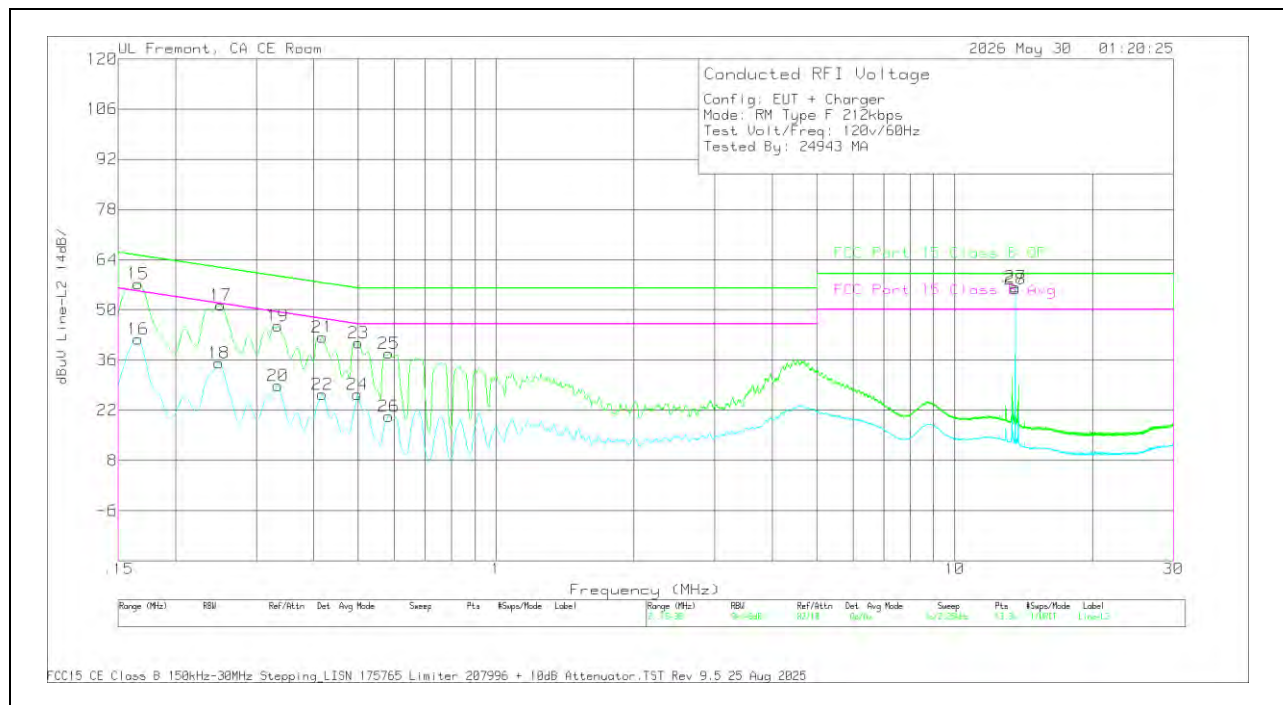
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3, C1, plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.1658	23.24	Av	.1	9.4	9.9	42.64	-	-	55.17	-12.53
4	.249	16.39	Av	0	9.4	9.9	35.69	-	-	51.79	-16.1
6	.3345	10.09	Av	0	9.3	9.9	29.29	-	-	49.34	-20.05
8	.4178	6.74	Av	0	9.3	9.9	25.94	-	-	47.49	-21.55
10	.4988	6.12	Av	0	9.3	9.9	25.32	-	-	46.02	-20.7
12	.5843	1.33	Av	0	9.3	9.9	20.53	-	-	46	-25.47
14	13.56	33.44	Av	.1	9.5	9.8	52.84	-	-	50	2.84
1	.1658	38.78	Qp	.1	9.4	9.9	58.18	65.17	-6.99	-	-
3	.2513	32.73	Qp	0	9.4	9.9	52.03	61.72	-9.69	-	-
5	.3345	26.76	Qp	0	9.3	9.9	45.96	59.34	-13.38	-	-
7	.4178	23.59	Qp	0	9.3	9.9	42.79	57.49	-14.7	-	-
9	.501	22.51	Qp	0	9.3	9.9	41.71	56	-14.29	-	-
11	.609	18.7	Qp	0	9.4	9.9	38	56	-18	-	-
13	13.56	34	Qp	.1	9.5	9.8	53.4	60	-6.6	-	-

Qp - Quasi-Peak detector

Av - Average detection

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.2.2 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

LINE 2 RESULTS



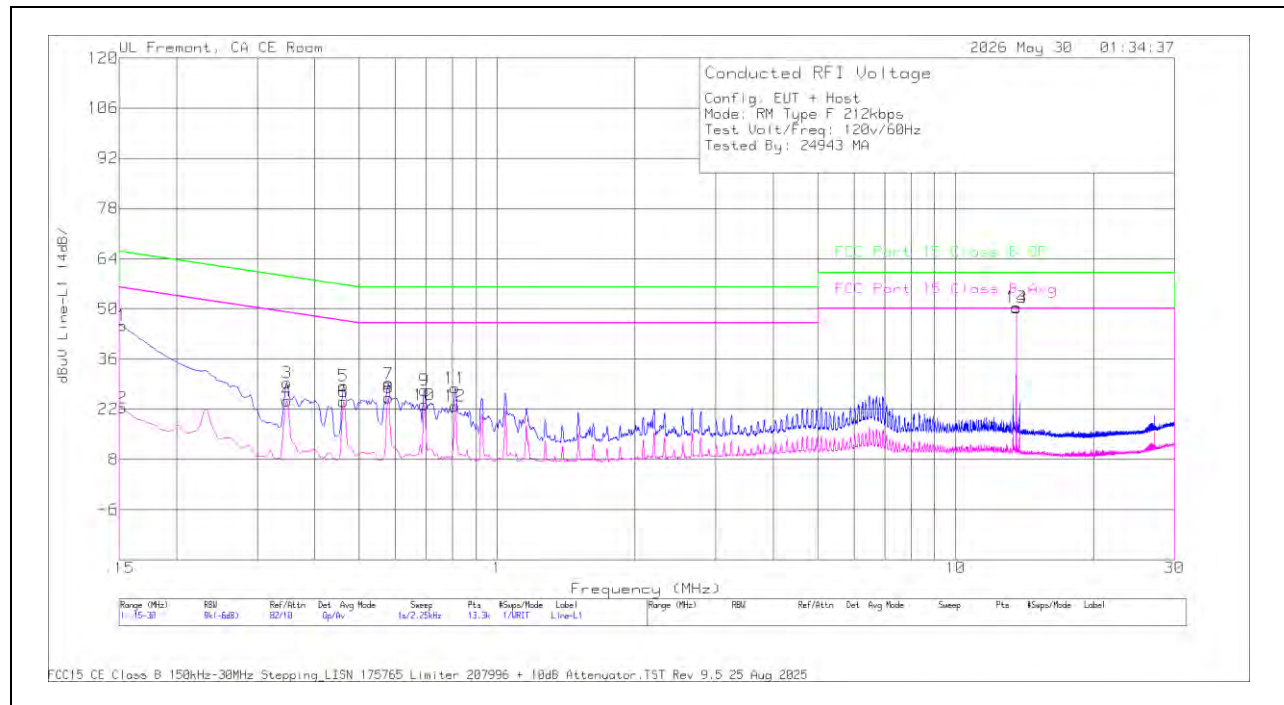
MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.1658	22.47	Av	.1	9.4	9.9	41.87	-	-	55.17	-13.3
18	.249	15.85	Av	0	9.4	9.9	35.15	-	-	51.79	-16.64
20	.3345	9.54	Av	0	9.4	9.9	28.84	-	-	49.34	-20.5
22	.4178	7.24	Av	0	9.3	9.9	26.44	-	-	47.49	-21.05
24	.4988	7.16	Av	0	9.3	9.9	26.36	-	-	46.02	-19.66
26	.5843	1.07	Av	0	9.3	9.9	20.27	-	-	46	-25.73
28	13.56	36.29	Av	.1	9.6	9.8	55.79	-	-	50	5.79
15	.1658	37.82	Qp	.1	9.4	9.9	57.22	65.17	-7.95	-	-
17	.2513	32.04	Qp	0	9.4	9.9	51.34	61.72	-10.38	-	-
19	.3345	26.24	Qp	0	9.4	9.9	45.54	59.34	-13.8	-	-
21	.4178	23.11	Qp	0	9.3	9.9	42.31	57.49	-15.18	-	-
23	.501	21.59	Qp	0	9.3	9.9	40.79	56	-15.21	-	-
25	.5843	18.7	Qp	0	9.3	9.9	37.9	56	-18.1	-	-
27	13.56	36.9	Qp	.1	9.6	9.8	56.4	60	-3.6	-	-

Qp - Quasi-Peak detector

Av - Average detection

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.2.2 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

EUT + HOST**LINE 1 RESULTS****MEASURED DATA**

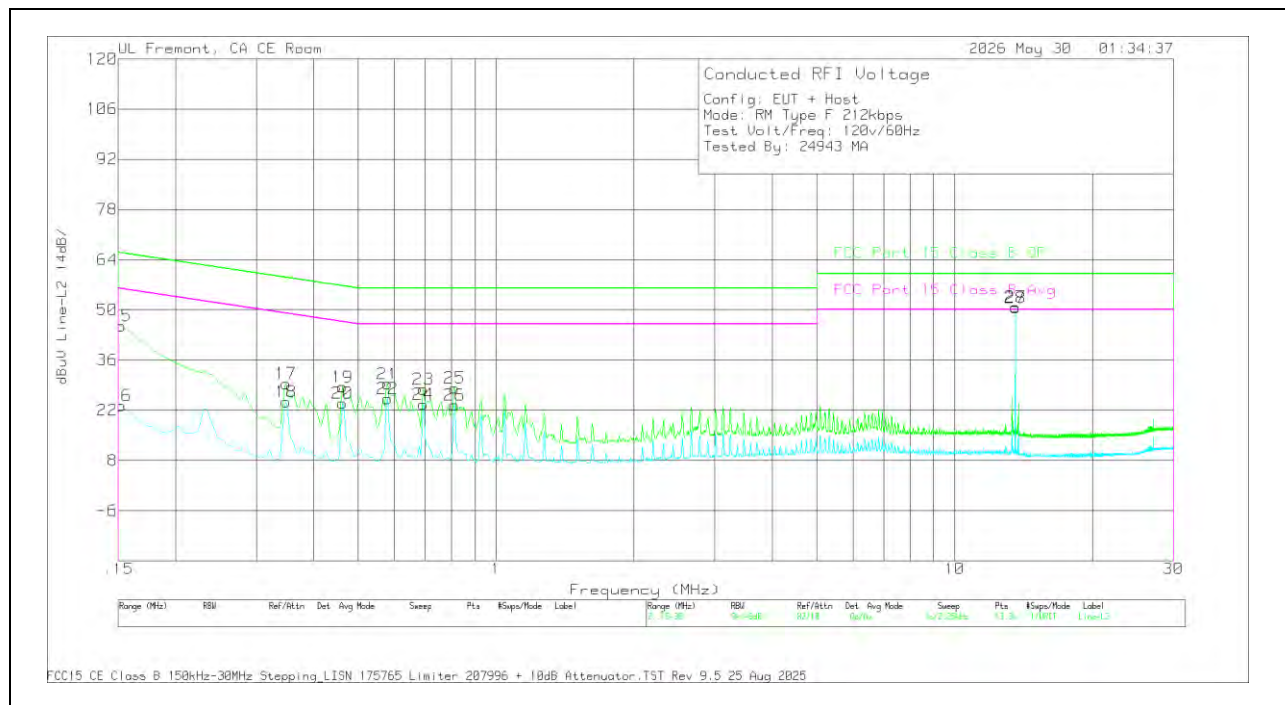
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.1523	3	Av	.1	9.4	9.9	22.4	-	-	55.88	-33.48
4	.348	5.12	Av	0	9.3	9.9	24.32	-	-	49.01	-24.69
6	.4628	5	Av	0	9.3	9.9	24.2	-	-	46.64	-22.44
8	.5798	5.97	Av	0	9.3	9.9	25.17	-	-	46	-20.83
10	.6945	3.89	Av	0	9.4	9.9	23.19	-	-	46	-22.81
12	.8104	3.79	Av	0	9.3	9.9	22.99	-	-	46	-23.01
14	13.56	30.81	Av	.1	9.5	9.8	50.21	-	-	50	.21
1	.1523	26.02	Qp	.1	9.4	9.9	45.42	65.88	-20.46	-	-
3	.348	10.16	Qp	0	9.3	9.9	29.36	59.01	-29.65	-	-
5	.4628	9.35	Qp	0	9.3	9.9	28.55	56.64	-28.09	-	-
7	.5798	9.88	Qp	0	9.3	9.9	29.08	56	-26.92	-	-
9	.6945	8.01	Qp	0	9.4	9.9	27.31	56	-28.69	-	-
11	.8093	8.71	Qp	0	9.3	9.9	27.91	56	-28.09	-	-
13	13.56	31.09	Qp	.1	9.5	9.8	50.49	60	-9.51	-	-

Qp - Quasi-Peak detector

Av - Average detection

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.2.2 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

LINE 2 RESULTS



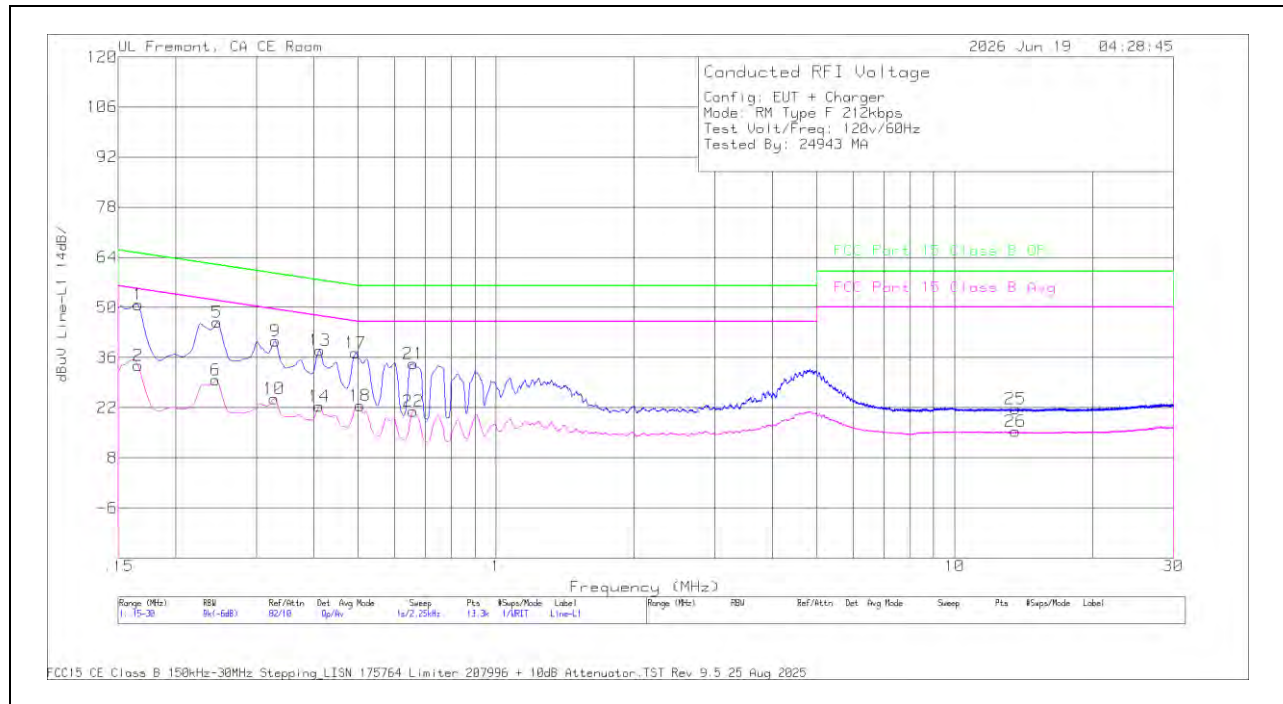
MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.1523	3.94	Av	.1	9.4	9.9	23.34	-	-	55.88	-32.54
18	.348	5.18	Av	0	9.3	9.9	24.38	-	-	49.01	-24.63
20	.4628	4.72	Av	0	9.4	9.9	24.02	-	-	46.64	-22.62
22	.5798	6.07	Av	0	9.3	9.9	25.27	-	-	46	-20.73
24	.6945	4.32	Av	0	9.4	9.9	23.62	-	-	46	-22.38
26	.8115	4.19	Av	0	9.4	9.9	23.49	-	-	46	-22.51
28	13.56	31.03	Av	.1	9.6	9.8	50.53	-	-	50	.53
15	.1523	26.15	Qp	.1	9.4	9.9	45.55	65.88	-20.33	-	-
17	.348	10.24	Qp	0	9.3	9.9	29.44	59.01	-29.57	-	-
19	.4628	9.14	Qp	0	9.4	9.9	28.44	56.64	-28.2	-	-
21	.5798	10.13	Qp	0	9.3	9.9	29.33	56	-26.67	-	-
23	.6945	8.6	Qp	0	9.4	9.9	27.9	56	-28.1	-	-
25	.8115	8.86	Qp	0	9.4	9.9	28.16	56	-27.84	-	-
27	13.56	31.32	Qp	.1	9.6	9.8	50.82	60	-9.18	-	-

Qp - Quasi-Peak detector

Av - Average detection

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.2.2 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

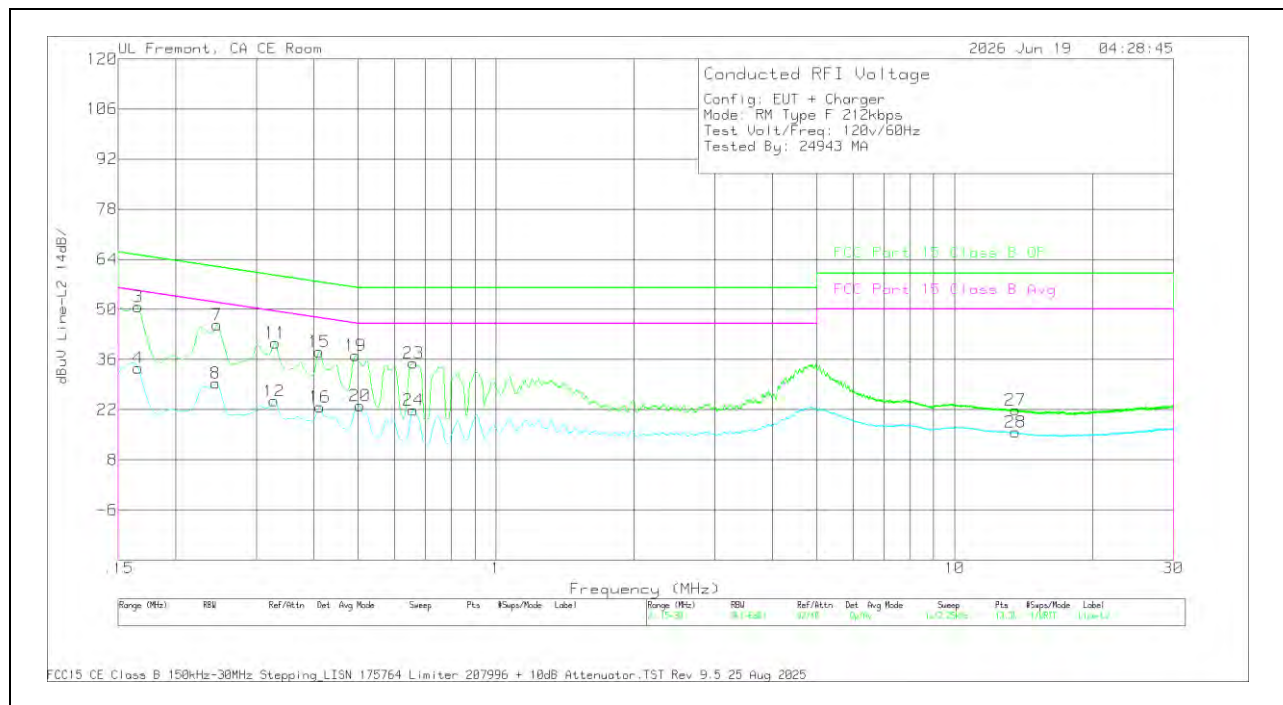
11.2.2. READER MODE: TYPE F, 212 kbps (ANTENNA PORT TERMINATED)**EUT + AC ADAPTER****LINE 1 RESULTS****MEASURED DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.1658	14.45	Av	.1	9.4	9.9	33.85	-	-	55.17	-21.32
6	.2445	10.44	Av	0	9.4	9.9	29.74	-	-	51.94	-22.2
10	.3278	5.33	Av	0	9.3	9.9	24.53	-	-	49.51	-24.98
14	.411	3.16	Av	0	9.3	9.9	22.36	-	-	47.63	-25.27
18	.5055	3.42	Av	0	9.3	9.9	22.62	-	-	46	-23.38
22	.6608	1.76	Av	0	9.3	10	21.06	-	-	46	-24.94
26	13.56	-4	Av	.1	9.5	9.8	15.4	-	-	50	-34.6
1	.1658	31.32	Qp	.1	9.4	9.9	50.72	65.17	-14.45	-	-
5	.2468	26.53	Qp	0	9.4	9.9	45.83	61.87	-16.04	-	-
9	.33	21.41	Qp	0	9.3	9.9	40.61	59.45	-18.84	-	-
13	.4133	18.81	Qp	0	9.3	9.9	38.01	57.58	-19.57	-	-
17	.4943	18.08	Qp	0	9.3	9.9	37.28	56.1	-18.82	-	-
21	.6608	14.96	Qp	0	9.3	10	34.26	56	-21.74	-	-
25	13.56	2.34	Qp	.1	9.5	9.8	21.74	60	-38.26	-	-

Qp - Quasi-Peak detector

Av - Average detection

LINE 2 RESULTS

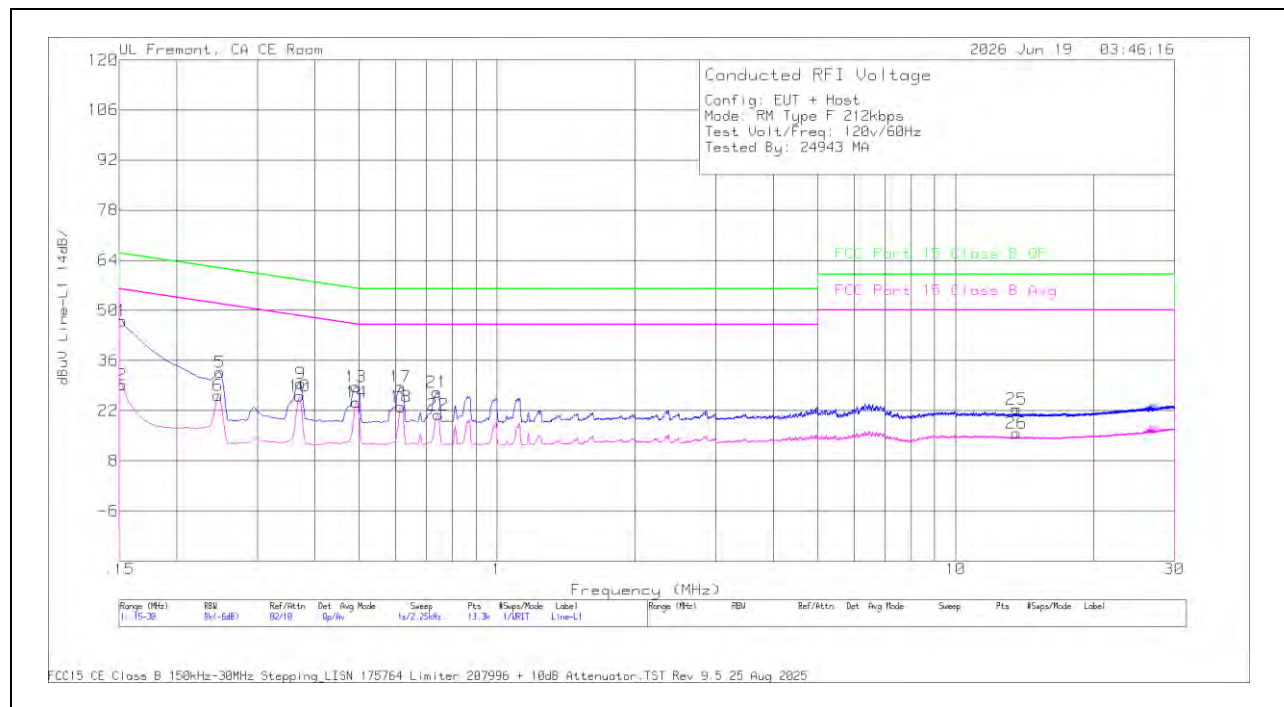


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
4	.1658	14.17	Av	.1	9.4	9.9	33.57	-	-	55.17	-21.6
8	.2445	9.97	Av	.1	9.4	9.9	29.37	-	-	51.94	-22.57
12	.3278	5.22	Av	0	9.3	9.9	24.42	-	-	49.51	-25.09
16	.4133	3.52	Av	0	9.3	9.9	22.72	-	-	47.58	-24.86
20	.5055	3.89	Av	0	9.3	9.9	23.09	-	-	46	-22.91
24	.6608	2.54	Av	0	9.4	10	21.94	-	-	46	-24.06
28	13.56	-3.82	Av	.1	9.6	9.8	15.68	-	-	50	-34.32
3	.1658	31.36	Qp	.1	9.4	9.9	50.76	65.17	-14.41	-	-
7	.2468	26.26	Qp	.1	9.4	9.9	45.66	61.87	-16.21	-	-
11	.33	21.38	Qp	0	9.3	9.9	40.58	59.45	-18.87	-	-
15	.411	19.02	Qp	0	9.3	9.9	38.22	57.63	-19.41	-	-
19	.4943	17.93	Qp	0	9.3	9.9	37.13	56.1	-18.97	-	-
23	.6608	15.68	Qp	0	9.4	10	35.08	56	-20.92	-	-
27	13.56	2.45	Qp	.1	9.6	9.8	21.95	60	-38.05	-	-

Qp - Quasi-Peak detector

Av - Average detection

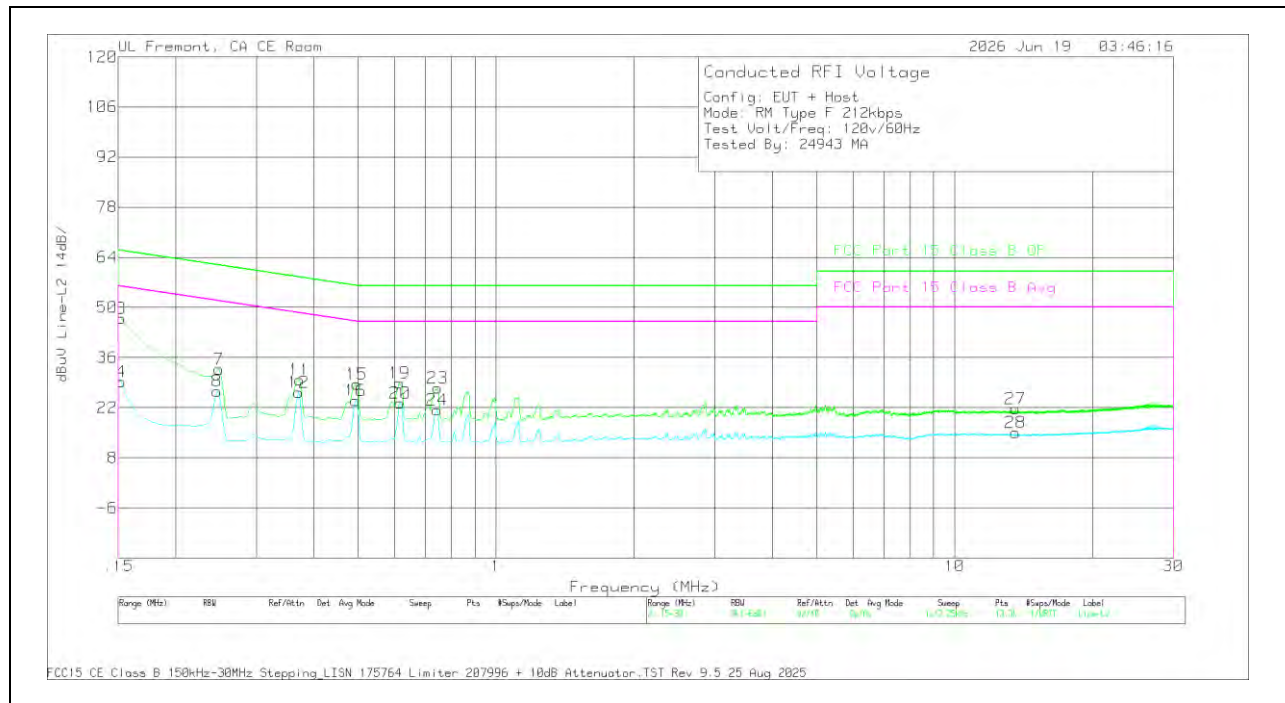
EUT + HOST**LINE 1 RESULTS****MEASURED DATA**

Marker	Frequency (MHz)	Meter Reading (dBUV)	Det	175765 L1 (dB)	Line 1 C3_C1 plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBUV)	FCC Part 15 Class B QP (dBUV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBUV)	Av Margin (dB)
2	.1523	9.86	Av	.1	9.4	9.9	29.26	-	-	55.88	-26.62
6	.2468	7.01	Av	0	9.4	9.9	26.31	-	-	51.87	-25.56
10	.3705	6.85	Av	0	9.3	9.9	26.05	-	-	48.49	-22.44
14	.4943	5.08	Av	0	9.3	9.9	24.28	-	-	46.1	-21.82
18	.618	3.79	Av	0	9.4	9.9	23.09	-	-	46	-22.91
22	.744	1.6	Av	0	9.4	9.9	20.9	-	-	46	-25.1
26	13.56	-3.62	Av	.1	9.5	9.8	15.78	-	-	50	-34.22
1	.1523	27.77	Qp	.1	9.4	9.9	47.17	65.88	-18.71	-	-
5	.249	13.47	Qp	0	9.4	9.9	32.77	61.79	-29.02	-	-
9	.3728	10.35	Qp	0	9.4	9.9	29.65	58.44	-28.79	-	-
13	.492	9.51	Qp	0	9.3	9.9	28.71	56.13	-27.42	-	-
17	.6158	9.46	Qp	0	9.4	9.9	28.76	56	-27.24	-	-
21	.7395	7.78	Qp	0	9.4	9.9	27.08	56	-28.92	-	-
25	13.56	3.08	Qp	.1	9.5	9.8	22.48	60	-37.52	-	-

Qp - Quasi-Peak detector

Av - Average detection

LINE 2 RESULTS

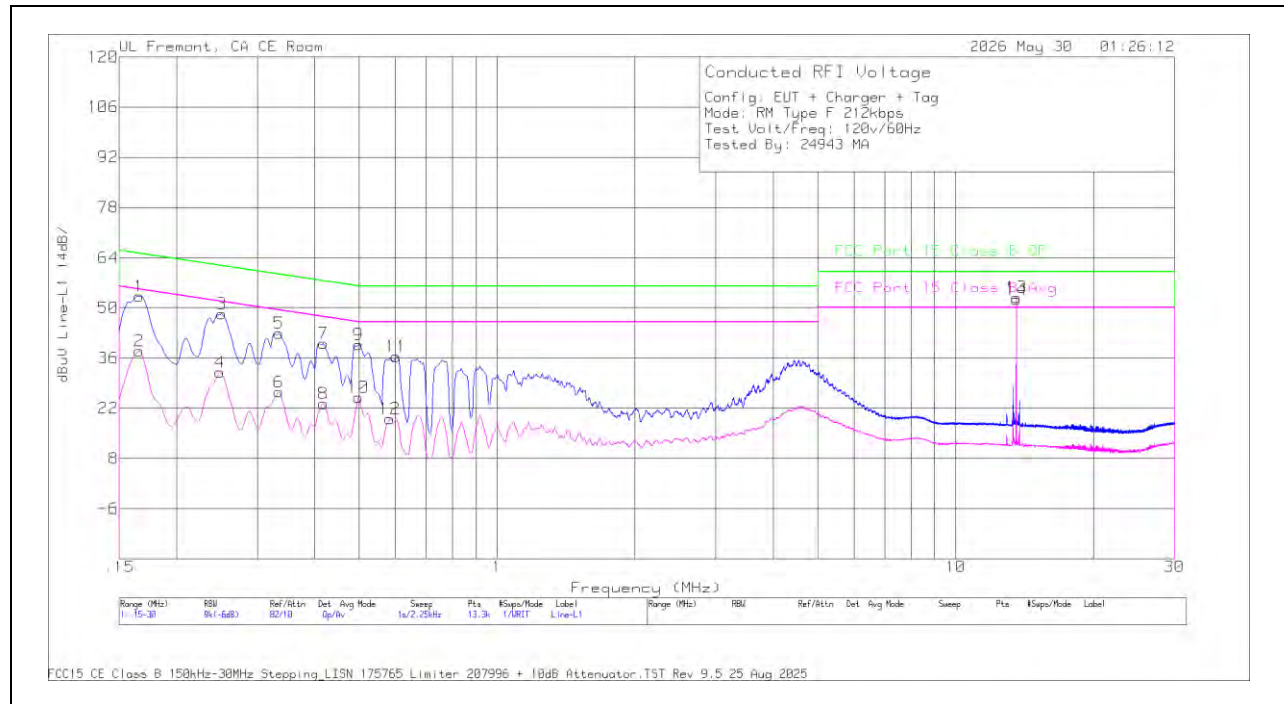


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
4	.1523	9.81	Av	.1	9.4	9.9	29.21	-	-	55.88	-26.67
8	.2468	7.21	Av	.1	9.4	9.9	26.61	-	-	51.87	-25.26
12	.3705	7	Av	0	9.3	9.9	26.2	-	-	48.49	-22.29
16	.4943	4.79	Av	0	9.3	9.9	23.99	-	-	46.1	-22.11
20	.618	3.95	Av	0	9.4	9.9	23.25	-	-	46	-22.75
24	.744	2.03	Av	0	9.4	9.9	21.33	-	-	46	-24.67
28	13.56	-4.44	Av	.1	9.6	9.8	15.06	-	-	50	-34.94
3	.1523	27.6	Qp	.1	9.4	9.9	47	65.88	-18.88	-	-
7	.249	13.3	Qp	.1	9.4	9.9	32.7	61.79	-29.09	-	-
11	.3728	10.51	Qp	0	9.3	9.9	29.71	58.44	-28.73	-	-
15	.4965	9.3	Qp	0	9.3	9.9	28.5	56.06	-27.56	-	-
19	.6158	9.65	Qp	0	9.4	9.9	28.95	56	-27.05	-	-
23	.7463	8.18	Qp	0	9.4	9.9	27.48	56	-28.52	-	-
27	13.56	2.16	Qp	.1	9.6	9.8	21.66	60	-38.34	-	-

Qp - Quasi-Peak detector

Av - Average detection

11.2.3. TAG MODE: TYPE F, 212 kbps (NORMAL OPERATION)**EUT + AC ADAPTER****LINE 1 RESULTS****MEASURED DATA**

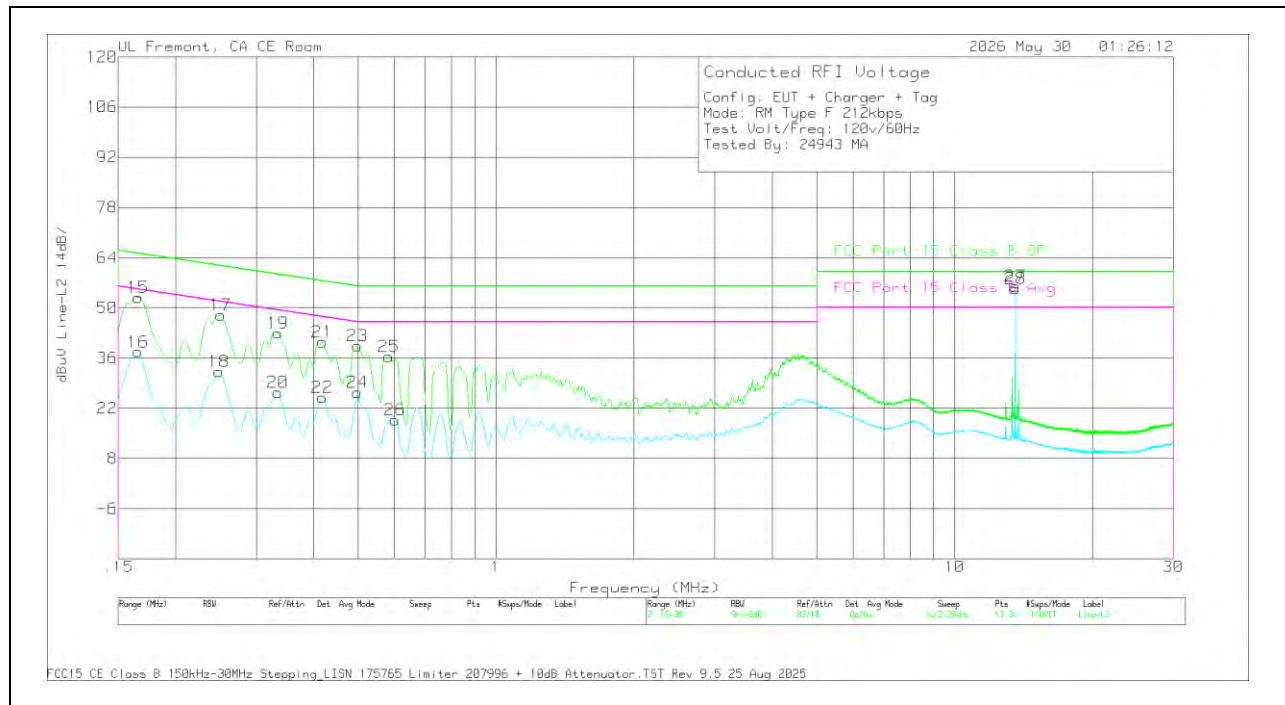
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.1658	18.61	Av	.1	9.4	9.9	38.01	-	-	55.17	-17.16
4	.249	12.66	Av	0	9.4	9.9	31.96	-	-	51.79	-19.83
6	.3345	7.32	Av	0	9.3	9.9	26.52	-	-	49.34	-22.82
8	.4178	4.13	Av	0	9.3	9.9	23.33	-	-	47.49	-24.16
10	.4988	5.81	Av	0	9.3	9.9	25.01	-	-	46.02	-21.01
12	.5843	-.2	Av	0	9.3	9.9	19	-	-	46	-27
14	13.56	32.98	Av	.1	9.5	9.8	52.38	-	-	50	2.38
1	.1658	33.9	Qp	.1	9.4	9.9	53.3	65.17	-11.87	-	-
3	.2513	29.01	Qp	0	9.4	9.9	48.31	61.72	-13.41	-	-
5	.3345	23.73	Qp	0	9.3	9.9	42.93	59.34	-16.41	-	-
7	.4178	20.93	Qp	0	9.3	9.9	40.13	57.49	-17.36	-	-
9	.4988	20.58	Qp	0	9.3	9.9	39.78	56.02	-16.24	-	-
11	.6023	17.18	Qp	0	9.3	9.9	36.38	56	-19.62	-	-
13	13.56	33.55	Qp	.1	9.5	9.8	52.95	60	-7.05	-	-

Qp - Quasi-Peak detector

Av - Average detection

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.2.4 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

LINE 2 RESULTS



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.1658	18.33	Av	.1	9.4	9.9	37.73	-	-	55.17	-17.44
18	.249	12.85	Av	0	9.4	9.9	32.15	-	-	51.79	-19.64
20	.3345	7.1	Av	0	9.4	9.9	26.4	-	-	49.34	-22.94
22	.4178	5.85	Av	0	9.3	9.9	25.05	-	-	47.49	-22.44
24	.4988	7.16	Av	0	9.3	9.9	26.36	-	-	46.02	-19.66
26	.6023	-5.1	Av	0	9.4	9.9	18.79	-	-	46	-27.21
28	13.56	35.9	Av	.1	9.6	9.8	55.4	-	-	50	5.4
15	.1658	33.56	Qp	.1	9.4	9.9	52.96	65.17	-12.21	-	-
17	.2513	28.7	Qp	0	9.4	9.9	48	61.72	-13.72	-	-
19	.3345	23.68	Qp	0	9.4	9.9	42.98	59.34	-16.36	-	-
21	.4178	21.29	Qp	0	9.3	9.9	40.49	57.49	-17	-	-
23	.4988	20.2	Qp	0	9.3	9.9	39.4	56.02	-16.62	-	-
25	.5843	17.18	Qp	0	9.3	9.9	36.38	56	-19.62	-	-
27	13.56	36.52	Qp	.1	9.6	9.8	56.02	60	-3.98	-	-

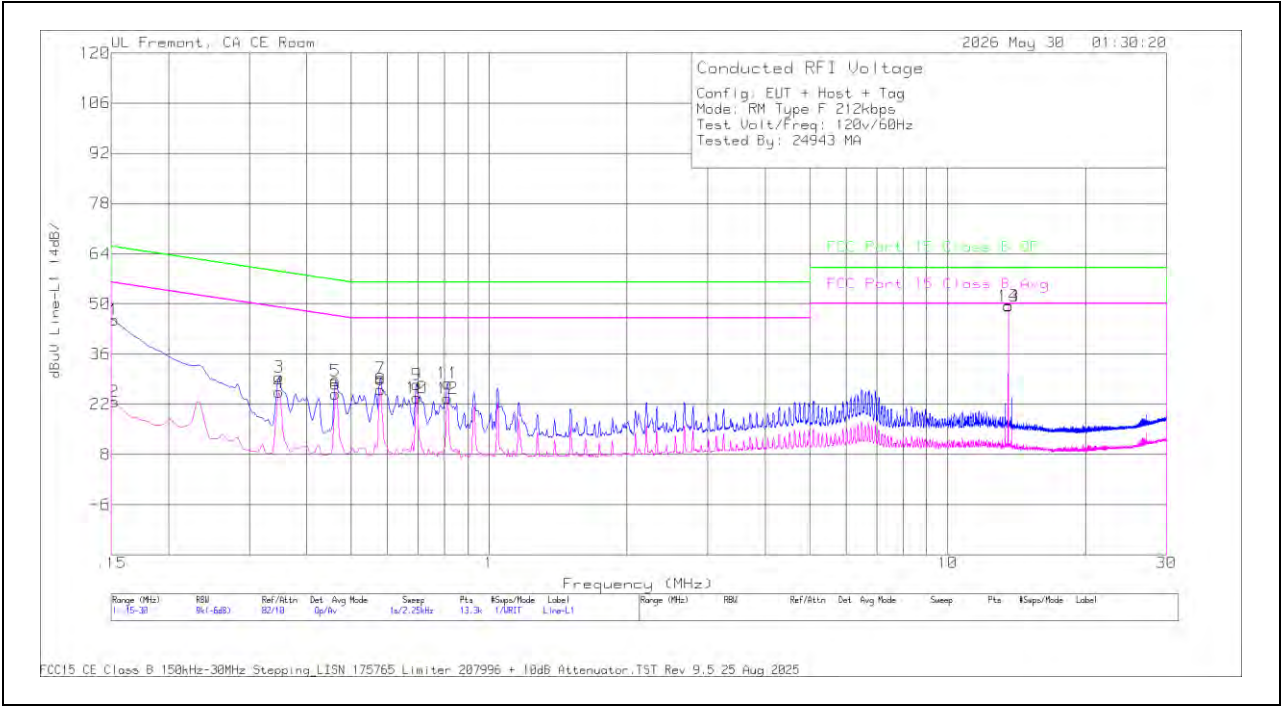
Qp - Quasi-Peak detector

Av - Average detection

Note: 13.56 MHz is a fundamental frequency of the EUT. Data under Section 11.2.4 indicates that when the antenna terminal is terminated, the fundamental amplitude is below the limit line.

EUT + HOST

LINE 1 RESULTS

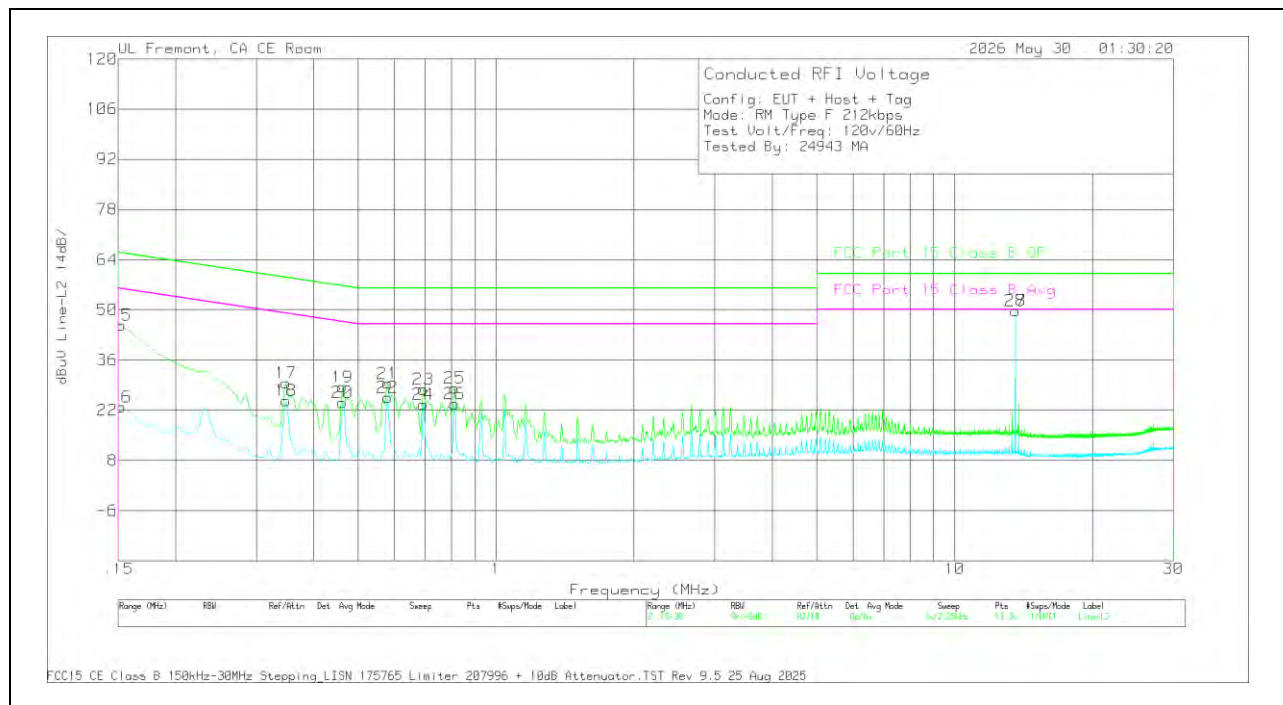


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.1523	3.36	Av	.1	9.4	9.9	22.76	-	-	55.88	-33.12
4	.348	6.09	Av	0	9.3	9.9	25.29	-	-	49.01	-23.72
6	.4628	5.71	Av	0	9.3	9.9	24.91	-	-	46.64	-21.73
8	.5798	6.81	Av	0	9.3	9.9	26.01	-	-	46	-19.99
10	.6956	4.57	Av	0	9.4	9.9	23.87	-	-	46	-22.13
12	.8115	4.42	Av	0	9.3	9.9	23.62	-	-	46	-22.38
14	13.56	30	Av	.1	9.5	9.8	49.4	-	-	50	-.6
1	.1523	26.1	Qp	.1	9.4	9.9	45.5	65.88	-20.38	-	-
3	.348	10.34	Qp	0	9.3	9.9	29.54	59.01	-29.47	-	-
5	.4628	9.33	Qp	0	9.3	9.9	28.53	56.64	-28.11	-	-
7	.5798	10.12	Qp	0	9.3	9.9	29.32	56	-26.68	-	-
9	.6968	8.19	Qp	0	9.4	9.9	27.49	56	-28.51	-	-
11	.8115	8.58	Qp	0	9.3	9.9	27.78	56	-28.22	-	-
13	13.56	30.07	Qp	.1	9.5	9.8	49.47	60	-10.53	-	-

Qp - Quasi-Peak detector
Av - Average detection

LINE 2 RESULTS



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
16	.1523	3.55	Av	.1	9.4	9.9	22.95	-	-	55.88	-32.93
18	.348	5.51	Av	0	9.3	9.9	24.71	-	-	49.01	-24.3
20	.4628	4.9	Av	0	9.4	9.9	24.2	-	-	46.64	-22.44
22	.5798	6.42	Av	0	9.3	9.9	25.62	-	-	46	-20.38
24	.6945	4.38	Av	0	9.4	9.9	23.68	-	-	46	-22.32
26	.8115	4.44	Av	0	9.4	9.9	23.74	-	-	46	-22.26
28	13.56	30.21	Av	.1	9.6	9.8	49.71	-	-	50	-.29
15	.1523	26.24	Qp	.1	9.4	9.9	45.64	65.88	-20.24	-	-
17	.348	10.39	Qp	0	9.3	9.9	29.59	59.01	-29.42	-	-
19	.4628	9.15	Qp	0	9.4	9.9	28.45	56.64	-28.19	-	-
21	.5798	10.29	Qp	0	9.3	9.9	29.49	56	-26.51	-	-
23	.6945	8.5	Qp	0	9.4	9.9	27.8	56	-28.2	-	-
25	.8115	8.87	Qp	0	9.4	9.9	28.17	56	-27.83	-	-
27	13.56	30.26	Qp	.1	9.6	9.8	49.76	60	-10.24	-	-

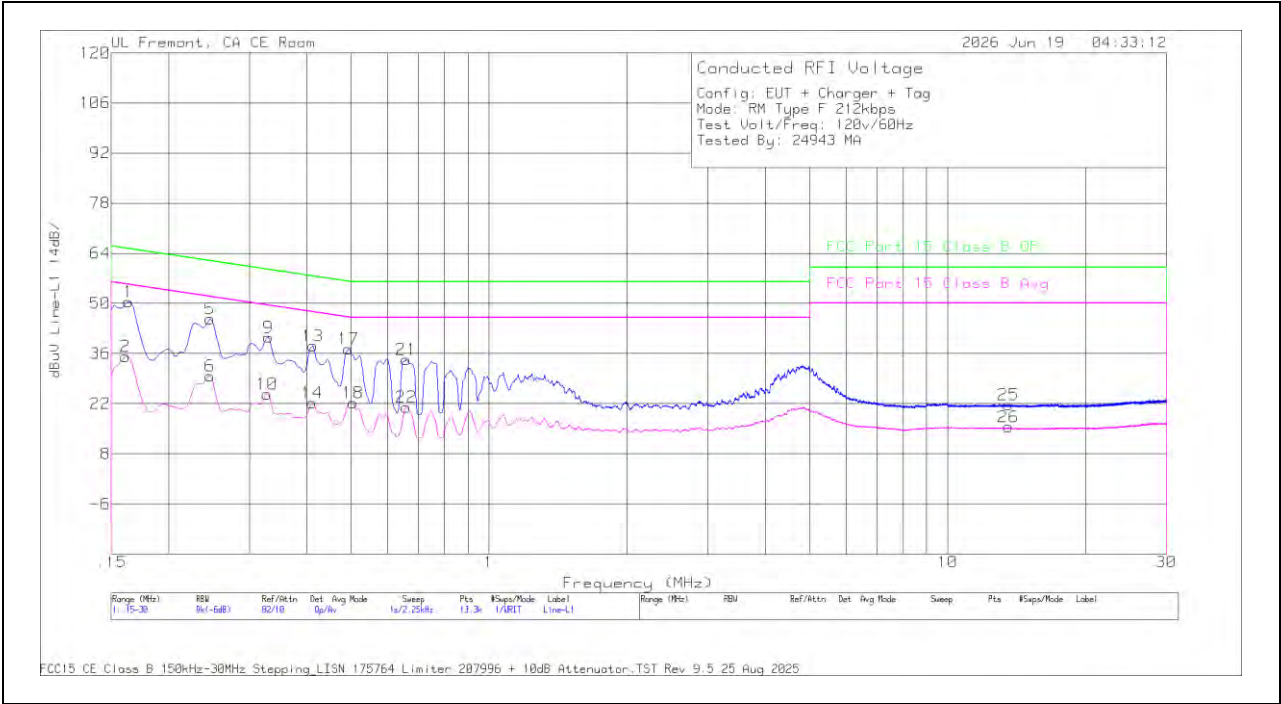
Qp - Quasi-Peak detector

Av - Average detection

11.2.4. TAG MODE: TYPE F, 212 kbps (ANTENNA PORT TERMINATED)

EUT + AC ADAPTER

LINE 1 RESULTS

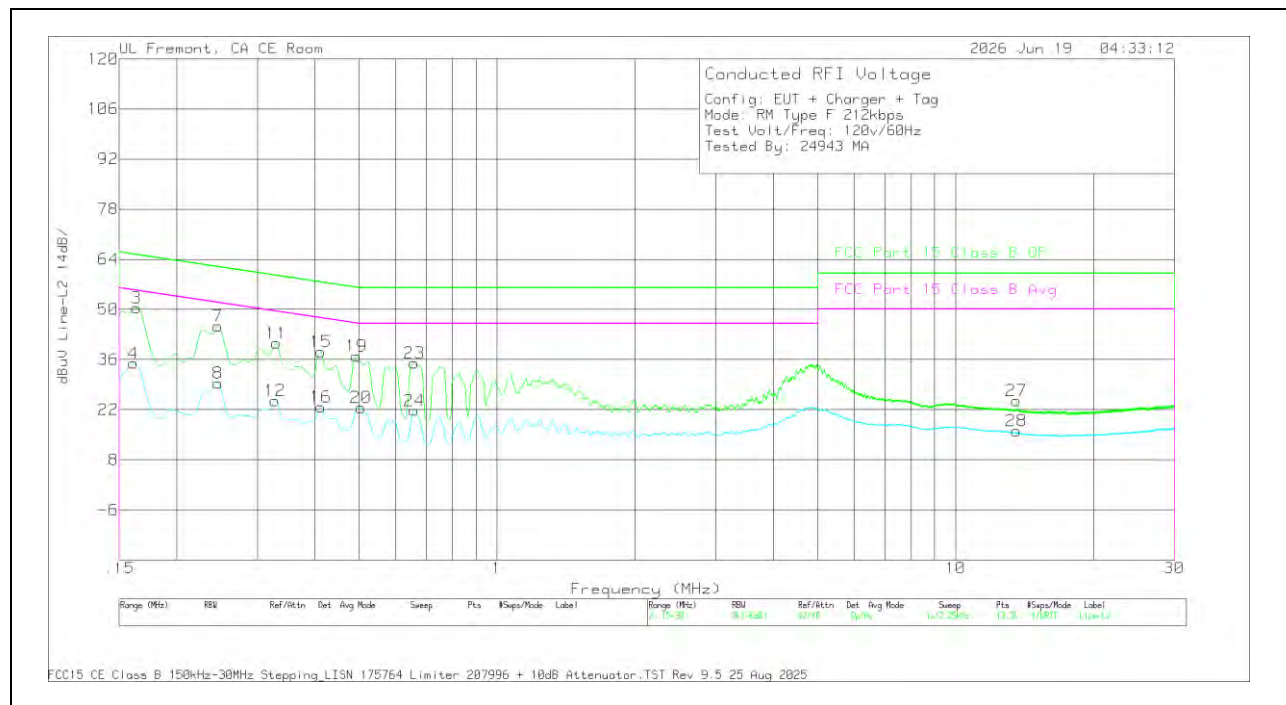


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBUV)	Det	175765 L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBUV)	FCC Part 15 Class B QP (dBUV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBUV)	Av Margin (dB)
2	.1613	15.82	Av	.1	9.4	9.9	35.22	-	-	55.4	-20.18
6	.2468	10.53	Av	0	9.4	9.9	29.83	-	-	51.87	-22.04
10	.3278	5.53	Av	0	9.3	9.9	24.73	-	-	49.51	-24.78
14	.411	3.03	Av	0	9.3	9.9	22.23	-	-	47.63	-25.4
18	.5055	3.07	Av	0	9.3	9.9	22.27	-	-	46	-23.73
22	.6608	1.66	Av	0	9.3	10	20.96	-	-	46	-25.04
26	13.56	-3.92	Av	.1	9.5	9.8	15.48	-	-	50	-34.52
1	.1635	31	Qp	.1	9.4	9.9	50.4	65.28	-14.88	-	-
5	.2468	26.32	Qp	0	9.4	9.9	45.62	61.87	-16.25	-	-
9	.33	21.33	Qp	0	9.3	9.9	40.53	59.45	-18.92	-	-
13	.4133	18.89	Qp	0	9.3	9.9	38.09	57.58	-19.49	-	-
17	.4943	18.05	Qp	0	9.3	9.9	37.25	56.1	-18.85	-	-
21	.6608	14.96	Qp	0	9.3	10	34.26	56	-21.74	-	-
25	13.56	2.24	Qp	.1	9.5	9.8	21.64	60	-38.36	-	-

Qp - Quasi-Peak detector
Av - Average detection

LINE 2 RESULTS

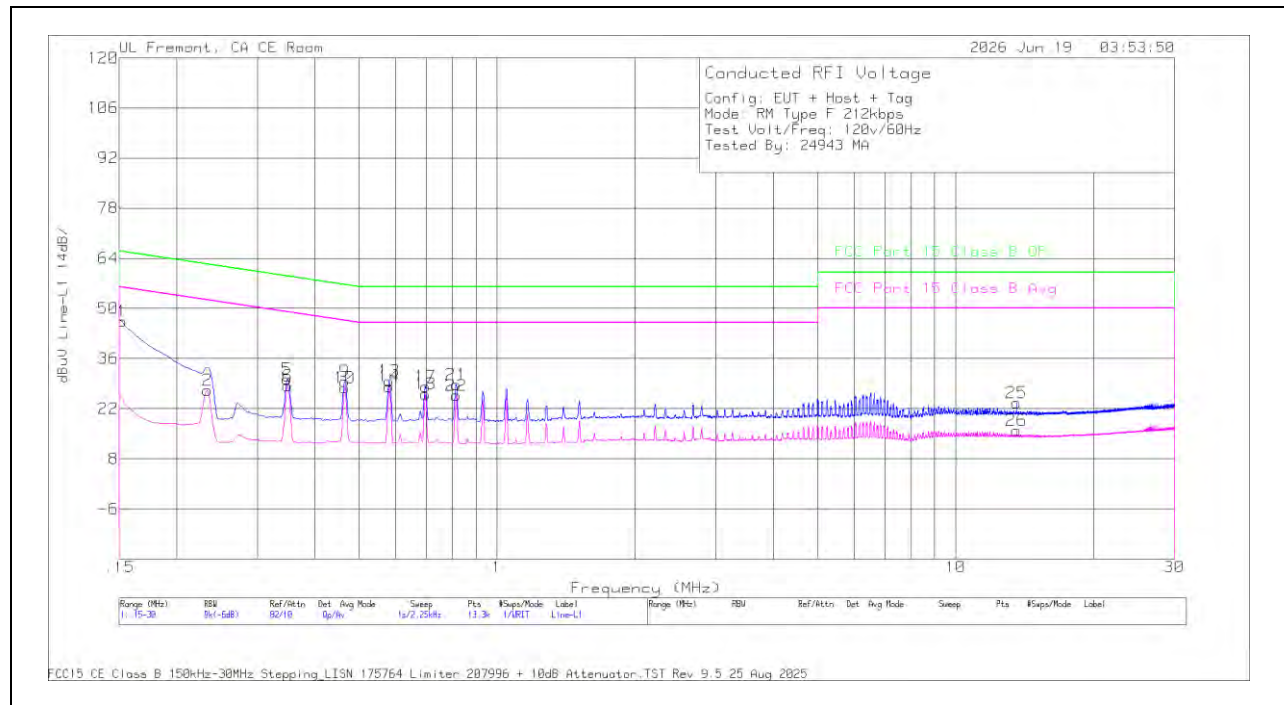


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
4	.1613	15.53	Av	.1	9.4	9.9	34.93	-	-	55.4	-20.47
8	.2468	10.03	Av	.1	9.4	9.9	29.43	-	-	51.87	-22.44
12	.3278	5.32	Av	0	9.3	9.9	24.52	-	-	49.51	-24.99
16	.4133	3.49	Av	0	9.3	9.9	22.69	-	-	47.58	-24.89
20	.5055	3.4	Av	0	9.3	9.9	22.6	-	-	46	-23.4
24	.6608	2.38	Av	0	9.4	10	21.78	-	-	46	-24.22
28	13.56	-3.37	Av	.1	9.6	9.8	16.13	-	-	50	-33.87
3	.1635	31.01	Qp	.1	9.4	9.9	50.41	65.28	-14.87	-	-
7	.2468	25.96	Qp	.1	9.4	9.9	45.36	61.87	-16.51	-	-
11	.33	21.35	Qp	0	9.3	9.9	40.55	59.45	-18.9	-	-
15	.4133	18.99	Qp	0	9.3	9.9	38.19	57.58	-19.39	-	-
19	.4943	17.81	Qp	0	9.3	9.9	37.01	56.1	-19.09	-	-
23	.6608	15.56	Qp	0	9.4	10	34.96	56	-21.04	-	-
27	13.56	4.98	Qp	.1	9.6	9.8	24.48	60	-35.52	-	-

Qp - Quasi-Peak detector

Av - Average detection

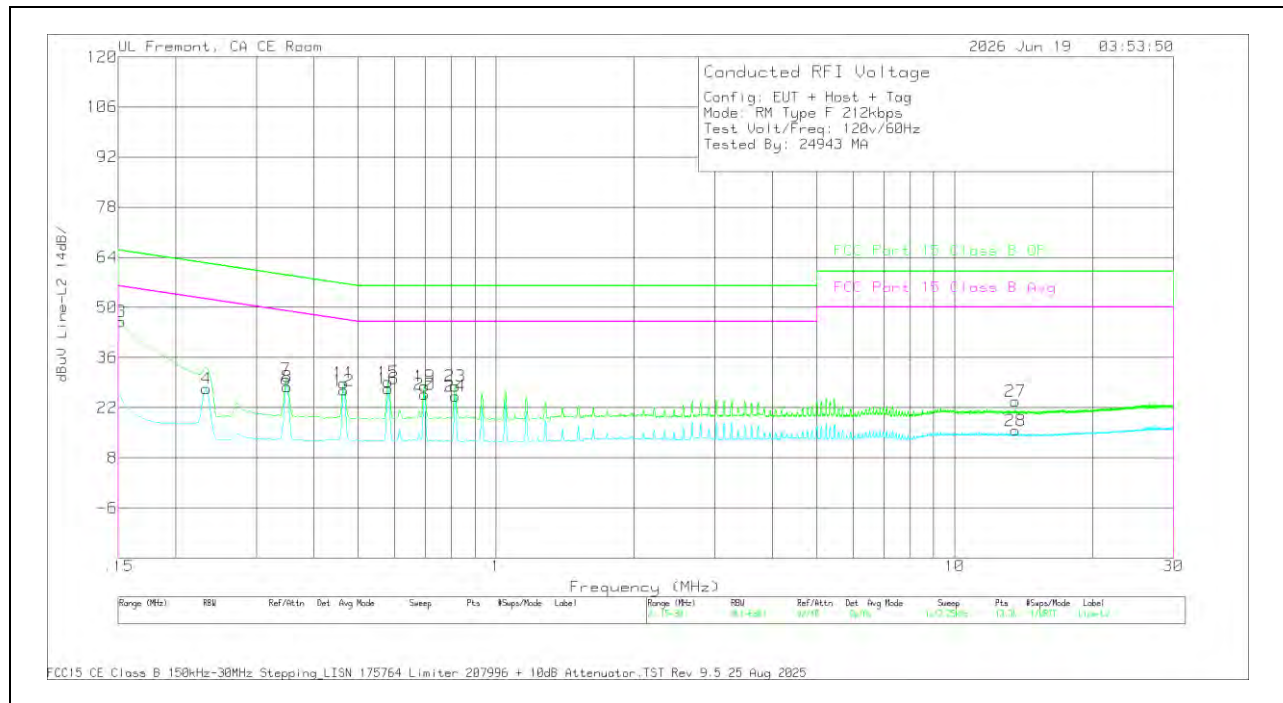
EUT + HOST**LINE 1 RESULTS****MEASURED DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L1 (dB)	Line 1 C3_C1 plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.2333	7.83	Av	0	9.4	9.9	27.13	-	-	52.33	-25.2
6	.3491	9.22	Av	0	9.3	9.9	28.42	-	-	48.98	-20.56
10	.465	8.56	Av	0	9.4	9.9	27.86	-	-	46.6	-18.74
14	.582	9	Av	0	9.3	9.9	28.2	-	-	46	-17.8
18	.699	6.89	Av	0	9.3	9.9	26.09	-	-	46	-19.91
22	.8138	6.45	Av	0	9.3	9.9	25.65	-	-	46	-20.35
26	13.56	-3.45	Av	.1	9.5	9.8	15.95	-	-	50	-34.05
1	.1523	27.02	Qp	.1	9.4	9.9	46.42	65.88	-19.46	-	-
5	.348	11.12	Qp	0	9.3	9.9	30.32	59.01	-28.69	-	-
9	.465	10.31	Qp	0	9.4	9.9	29.61	56.6	-26.99	-	-
13	.582	10.58	Qp	0	9.3	9.9	29.78	56	-26.22	-	-
17	.699	8.97	Qp	0	9.3	9.9	28.17	56	-27.83	-	-
21	.8138	9.56	Qp	0	9.3	9.9	28.76	56	-27.24	-	-
25	13.56	4.26	Qp	.1	9.5	9.8	23.66	60	-36.34	-	-

Qp - Quasi-Peak detector

Av - Average detection

LINE 2 RESULTS



MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
4	.2333	7.89	Av	.1	9.4	9.9	27.29	-	-	52.33	-25.04
8	.3503	8.58	Av	0	9.4	9.9	27.88	-	-	48.96	-21.08
12	.465	7.56	Av	0	9.4	9.9	26.86	-	-	46.6	-19.74
16	.582	8.13	Av	0	9.3	9.9	27.33	-	-	46	-18.67
20	.699	6.37	Av	0	9.4	9.9	25.67	-	-	46	-20.33
24	.8138	5.96	Av	0	9.3	9.9	25.16	-	-	46	-20.84
28	13.56	-3.86	Av	.1	9.6	9.8	15.64	-	-	50	-34.36
3	.1523	26.65	Qp	.1	9.4	9.9	46.05	65.88	-19.83	-	-
7	.348	10.7	Qp	0	9.3	9.9	29.9	59.01	-29.11	-	-
11	.465	9.6	Qp	0	9.4	9.9	28.9	56.6	-27.7	-	-
15	.582	9.95	Qp	0	9.3	9.9	29.15	56	-26.85	-	-
19	.699	8.69	Qp	0	9.4	9.9	27.99	56	-28.01	-	-
23	.8138	8.84	Qp	0	9.3	9.9	28.04	56	-27.96	-	-
27	13.56	4.28	Qp	.1	9.6	9.8	23.78	60	-36.22	-	-

Qp - Quasi-Peak detector

Av - Average detection

12. SETUP PHOTOS

Please refer to 16064952-EP1V1 for setup photos.

13. APPENDIX A - SPOT CHECK EVALUATION

13.1. MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3447, A3719, A3720 and A3721. These models are very similar, with only the following differences.

Model	IC ID	FCC ID	Feature Difference	Sim Support	Reference Model
A3447	579C-E9188A	BCG-E9188A	-With FR2 -No LTE B11, B21	eSIM	-
A3719	579C-E9198A	BCG-E9198A	-Without FR2 -Added LTE B11, B21	eSIM	A3472
A3720	579C-E9203A	BCG-E9203A	-Without FR2 -No LTE/5GNR B14, B29, B71 -No LTE B11, B21	eSIM	
A3721	579C-E9204A	BCG-E9204A	-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 bands on models not supporting them, is done by de-population of related components. Electrically there is no difference among the models.
- 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

13.2. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3719

A3719 SPOT CHECK RESULTS										
Equipment Class / Technology	Worst Mode	Configuration	Test Item		Measured Frequency (MHz)	Original Model: A3447	Sub Model: A3719	Delta (dB or MHz)	Margin	Remarks
						FCC ID : BCG-E9188A IC ID: 579C - E9188A	FCC ID : BCG-E9198A IC ID: 579C-E9198A			
DXX / NFC (FCC/IC)	State A Primary, Operating, CE Mode	Tye F 212 dbps	E-Field Fundamental @30m Distance (dBuV/m)	Peak Face On	13.5600	27.64	26.96	0.68	-56.36	Note 1
	State A Secondary, Operating, Reader Mode	Tye F 212 dbps	RSE (dBuV/m)	Peak Vertical 30M - 1G	33.783	36.27	34.62	1.65	-3.73	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: Full test performed as the delta between reference and variant models exceeds those allowed for data referencing. Please see below for test data.

13.3. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3720

A3720 SPOT CHECK RESULTS										
Equipment Class / Technology	Worst Mode	Configuration	Test Item		Measured Frequency (MHz)	Original Model: A3447	Sub Model: A3720	Delta (dB or MHz)	Margin	Remarks
						FCC ID : BCG-E9188A IC ID: 579C - E9188A	FCC ID : BCG-E9203A IC ID: 579C-E9203A			
DXX / NFC (FCC/IC)	State A Primary, Operating, CE Mode	Tye F 212 dbps	E-Field Fundamental @30m Distance (dBuV/m)	Peak Face On	13.5600	27.64	26.21	1.43	-56.36	Note 1
	State A Secondary, Operating, Reader Mode	Tye F 212 dbps	RSE (dBuV/m)	Peak Vertical 30M - 1G	33.783	36.27	35.16	1.11	-3.73	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: Full test performed as the delta between reference and variant models exceeds those allowed for data referencing. Please see below for test data.

13.4. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3721

A3721 SPOT CHECK RESULTS										
Equipment Class / Technology	Worst Mode	Configuration	Test Item		Measured Frequency (MHz)	Original Model: A3447	Sub Model: A3721	Delta (dB or MHz)	Margin	Remarks
						FCC ID : BCG-E9188A IC ID: 579C - E9188A	FCC ID : BCG-E9204A IC ID: 579C-E9204A			
DXX / NFC (FCC/IC)	State A Primary, Operating, CE Mode	Tye F 212 dbps	E-Field Fundamental @30m Distance (dBuV/m)	Peak Face On	13.5600	27.64	26.42	1.22	-56.36	Note 1
	State A Secondary, Operating, Reader Mode	Tye F 212 dbps	RSE (dBuV/m)	Peak Vertical 30M - 1G	33.783	36.27	33.96	2.31	-3.73	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: Full test performed as the delta between reference and variant models exceeds those allowed for data referencing. Please see below for test data.