

TEST REPORT

Report Number : 16396145-E1V2

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

Model : A3277

FCC ID : BCGA3277

IC : 579C-A3277

EUT Description : Magnetic Charging Cable

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C
ISED RSS-216 ISSUE 3
ISED RSS-GEN ISSUE 5 + A1 + A2

Date Of Issue:

2026/08/13

Prepared by:

UL VERIFICATION SERVICES INC.
47173 Benicia Street
Fremont, CA 94538 U.S.A.
TEL: (510) 319-4000
FAX: (510) 661-0888



REPORT REVISION HISTORY

Rev.		Issue Date		Revisions		Revised By
V1		2026/08/12		Initial Issue		--
V2		2026/08/13		Updated sections		Kevin Yong-Tim

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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	A3277		
Brand	APPLE		
FCC ID	BCGA3277		
IC	579C-A3277		
EUT Description	Magnetic Charging Cable		
SERIAL NUMBER	DLCHTS0005R0001PGP		
SAMPLE RECEIPT DATE	JUNE 06, 2026		
DATE TESTED	JUNE 23, 2026 TO JULY 4, 2026		
Applicable Standards	FCC 47 CFR PART 15 SUBPART C ISED RSS-216 ISSUE 3 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 By:	
			
Thu Chan Staff Engineer UL Verification Services Inc.		John Allen Bautista Laboratory Engineer UL Verification Services Inc.	

2. TEST SUMMARY

FCC Clause	ISED Clause	Requirement	Result	Comment
See Comment	RSS-GEN 6.7	99% OBW	Reporting purposes only	ANSI C63.10 Section 6.9.3
15.209 (a)	RSS-216 (5.3.3.1, 5.3.3.2), RSS-GEN (8.9, 8.10)	Radiated Emissions	Complies	None.
-	RSS-216 (5.5)	Frequency Stability	Complies	None.
15.207 (a)	RSS-216 (5.3.2)	AC Mains Conducted Emissions	Complies	None.

3. TEST METHODOLOGY

- ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
- ANSI C63.30-2021
- FCC 47 CFR Part 2
- FCC 47 CFR Part 15 Subpart C
- KDB 414788 D01 Radiated Test Site
- RSS-GEN Issue 5 + A1 + A2
- RSS-216 Issue 3

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	2.75%
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 (E-field)	2.84 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz (H-field)	2.87 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	6.01 dB
Time Domain Measurements	3.39%
Temperature	0.57°C
Relative Humidity	3.39%

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

6. EQUIPMENT UNDER TEST

6.1. DESCRIPTION OF EUT

The EUT is a magnetic charging cable which inductively charge other wireless charging devices. The charging function operates at 326.5kHz and 1.778MHz.

6.2. MAXIMUM E-FIELD and H-FIELD

The transmitter has maximum peak radiated electric and magnetic field strength as follows:

Fundamental Frequency	Mode	E-field (300m distance) FCC (dB μ V/m)	H-field (3m distance) IC (dB μ A/m)
326.5 kHz	Operating Load 1	-25.94	4.89
326.5 kHz	Operating Load 2	-35.33	-6.33
--	Standby	-31.46	-9.18

Fundamental Frequency	Mode	E-field (30m distance) FCC (dB μ V/m)	H-field (3m distance) IC (dB μ A/m)
1.778 MHz	Operating Load 3	-0.32	-8.26

6.3. WORST-CASE CONFIGURATION AND MODE

EUT with Load #1 was investigated at its worst-case orientation on a plastic fixture with a Load set at the center and at max offset. It was determined that the worst-case configuration was the EUT at its natural orientation on a plastic fixture with Load #1 set at max offset from center of EUT.

EUT with Load#2 and EUT with Load#3 no fixture was used. The worst-case configuration was determined to be the EUT in its natural orientation with load #2 and Load #3 set at the center of the charging coil of the EUT.

1. The EUT was tested on standby and operation modes. During operational mode, EUT was tested with load.
2. The load drew the following power levels:
 - 5W at 326.5 kHz
 - 10W at 1.778MHz
3. The EUT was tested with the following configurations:

CONFIGURATION	MODE	DESCRIPTION
1	Standby	EUT powered by AC/DC adapter via USB-C Connector
2	Operating w/Load#1 • EUT w/ 326.5 kHz Fundamental	EUT powered by AC/DC Adapter via USB-C connector with a Load at charging mode
3	Operating w/Load#2 • EUT w/ 326.5 kHz Fundamental	EUT powered by AC/DC Adapter via USB-C connector with a Load at charging mode
4	Operating w/Load#3 • EUT w/ 1.778 MHz Fundamental	EUT powered by AC/DC Adapter via USB-C connector with a Load at charging mode

Three different load levels were investigated: ~10% charged, ~50% charged, and ~90% charged, and it was determined that the ~10% charged configuration was the worst-case scenario set for final test.

For below 30MHz & 1GHz tests, the EUT was connected to AC power adapter as the worst case. For AC line conducted emission, test was investigated with AC power adapter. The EUT was tested on standby and operation modes. During operational mode, EUT was tested with Load.

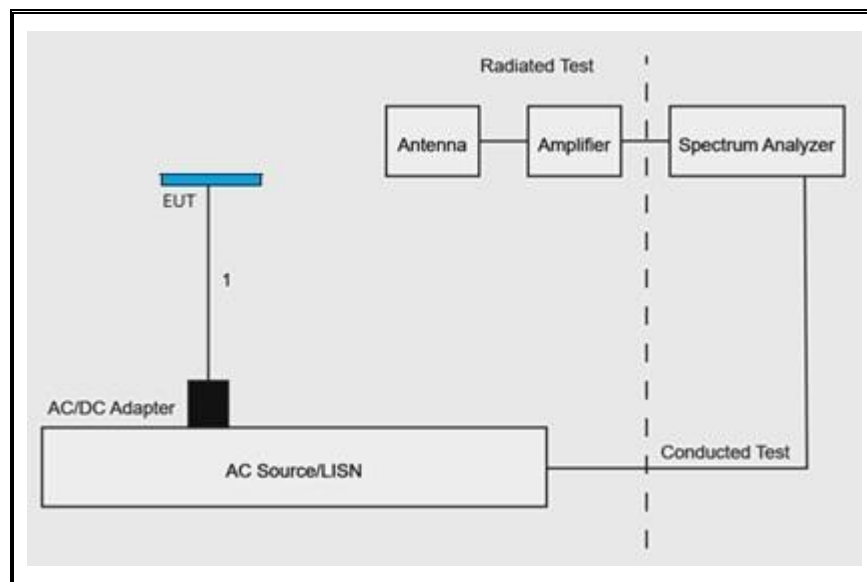
For below 30MHz testing, investigation was done on three antenna orientations: RX antenna Face-On, Face-Off and Horizontal (parallel to ground). The worst-case configurations were determined on RX antenna Face-On and Face-Off; therefore, all final tests were performed using these two orientations.

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 300 m open area test site. Therefore, sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788 D01.

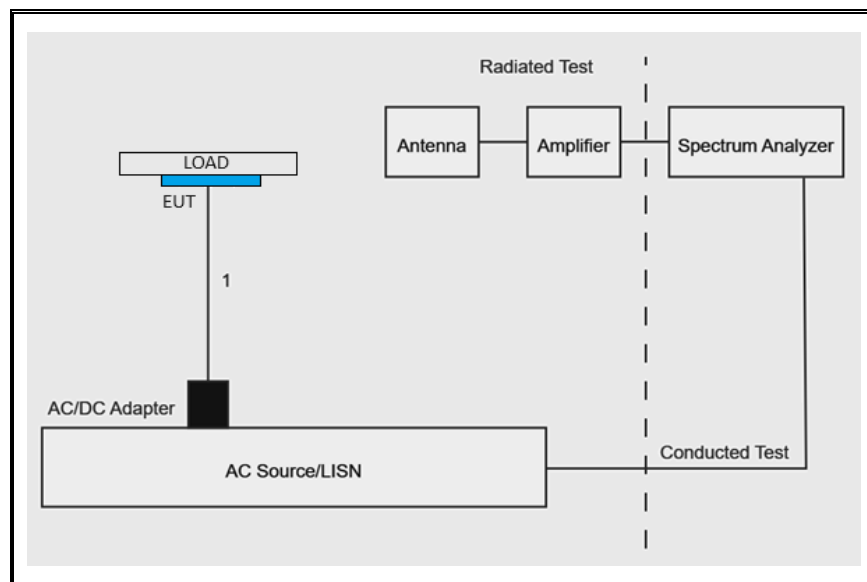
6.4. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT & PERIPHERALS LIST				
Description	Manufacturer	Model	Serial Number	FCC ID
AC/DC adapter	Apple	N/A	C4H11451SQKPP4FCB	N/A
Load#1	Apple	N/A	FVRH2FW0J7	N/A
Load#2	Apple	N/A	LM29CXFWFT	N/A
Load#3	Apple	N/A	FXLH4RQ9YY	N/A

STANDBY MODE SETUP



OPERATING MODE SETUP



7. TEST AND MEASUREMENT EQUIPMENT

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

TEST EQUIPMENT LIST				
Description	Manufacturer	Model	ID Num	Cal Due
Antenna, Passive Loop 30Hz to 1MHz	Electro-Metrics	EM-6871	170013	2026-09-30
Antenna, Passive Loop 100KHz to 30MHz	Electro-Metrics	EM-6872	170015	2026-09-30
Amplifier, 9kHz to 1GHz, 32dB	Sonoma Instrument	310N	79584	2026-12-31
Antenna, Broadband Hybrid, 30MHz to 2000MHz w/4dB	Sunol Sciences Corp.	JB3	202301	2027-02-28
Sniffer Probes	Electro Metrics	EM-6992	N/A	N/A
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc.	N9030A	125188	2027-01-31

AC Line Conducted				
Description	Manufacturer	Model	ID Num	Cal Due
EMI TEST RECEIVER 9kHz - 3.6GHz	Rohde & Schwarz	ESR	171646	2027-03-31
LISN for Conducted Emissions	Fischer Custom Communications, Inc	FCC-LISN-50/250-25-2-01-480V	175764	2027-01-31
Transient Limiter	TE	TBFL1	207996	2026-12-31
UL AUTOMATION SOFTWARE				
Radiated Software	UL	UL EMC	Ver 9.5, 21 May 2024	
Conducted Software	UL	UL EMC	2024.2.23	
AC Line Conducted Software	UL	UL EMC	Ver 9.5, 03 Mar 2023	

Frequency Stability				
Description	Manufacturer	Model	ID Num	Cal Due
Environmental Chamber	Cincinnati Sub Zero	ZPHS-8-3.5-SCT/WC	82472	2026-09-30
Spectrum Analyzer, PXA, 2Hz to 44GHz	Keysight Technologies Inc.	N9030B	222073	2027-05-31
DC Power Supply	Keysight Technologies Inc.	E36231A	278263	N/A
AC Power Source	Elgar Electronics Corporation (AMETEK)	CW2501M	80470	N/A

8. OCCUPIED BANDWIDTH

TEST PROCEDURE

The transmitter output is connected to the spectrum analyzer. For 326.5kHz the RBW is set to 300Hz, the VBW is set to 3 times the RBW with a span of 20kHz. For 1.778MHz the RBW is set to 5.1kHz, the VBW is set to 20kHz with a span of 200kHz. The sweep time is coupled. The spectrum analyzer internal 99% bandwidth function is utilized.

RESULTS

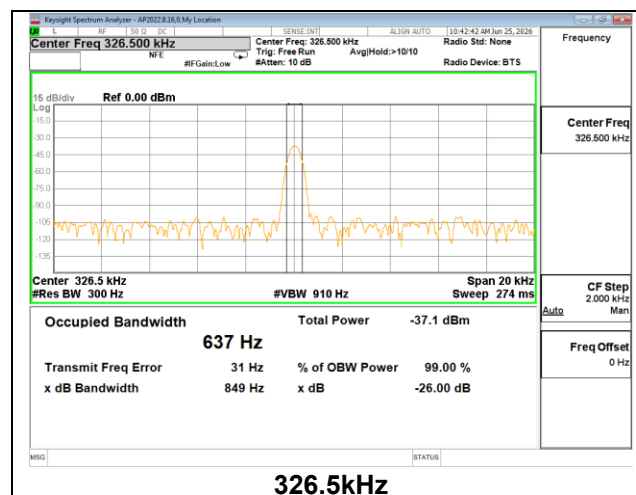
Configuration 2: EUT with Load#1 in operating mode, transmitting at 326.5 kHz

Configuration 3: EUT with Load#2 in operating mode, transmitting at 326.5 kHz

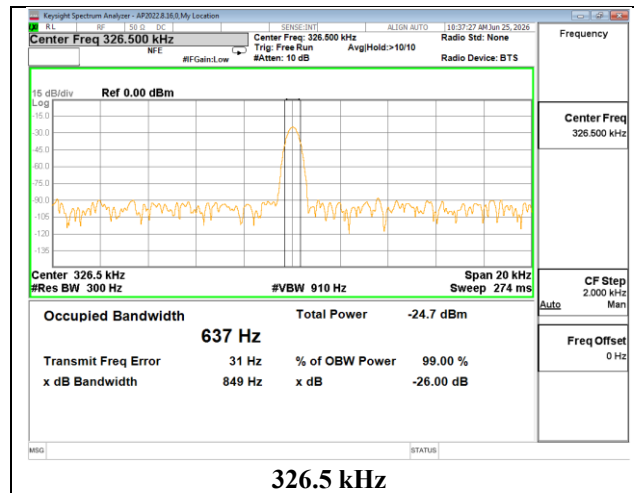
Configuration 4: EUT with Load#3 in operating mode, transmitting at 1.778 MHz

Configuration	Occupied Bandwidth (kHz)	
	326.5 kHz	1.778 MHz
2	0.637	-
3	0.64	-
4	-	10.82

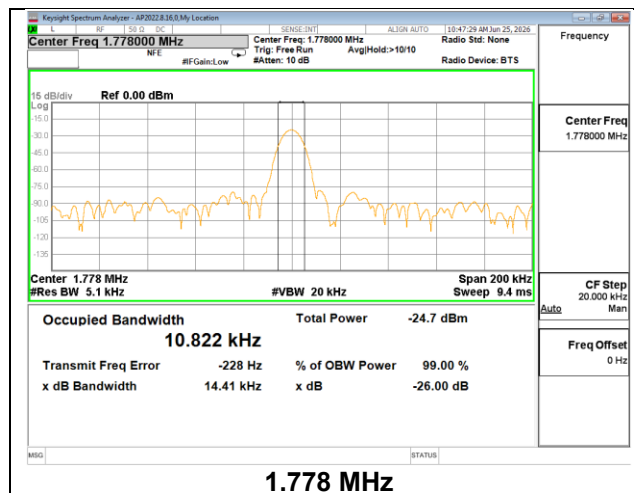
CONFIGURATION 2



CONFIGURATION 3



CONFIGURATION 4



9. RADIATED EMISSION TEST RESULTS

LIMIT

FCC §15.209 (a)

Frequency (MHz)	Field Strength (microvolts/meter)	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 to 216	150	3
216 to 960	200	3
Above 960 MHz	500	3
Note: The lower limit shall apply at the transition frequency.		

ISED RSS-216 Section 5.3.3.1 and 5.3.3.2 and ISED RSS-GEN Sections 8.9 and 8.10.

ISED RSS-216 Table 3 and Table 5

Table 3: Magnetic field strength limits at 3 m distance (9 kHz to 30 MHz)	
Frequency (MHz)	Quasi-peak (dBμA/m)
0.009 – 0.07	69
0.07 – 0.15	69 to 39 *
0.15 – 30	39 to 7 *
* In the 0.07 MHz to 0.15 MHz and 0.15 MHz to 30 MHz frequency ranges the limit level in dBμA/m decreases linearly with the logarithm of frequency.	

Table 5: Electric field strength limits at 10 m distance (30 MHz to 1000 MHz)	
Frequency range (MHz)	Quasi-peak (dBμV/m)
30 – 230	30
230 – 1000	37
Note: The more stringent limit applies at the transition frequency.	

Note: For ISED 30MHz-1GHz radiated emission measurement, results are measured at 3m and compared to the applicable 10m limits using the distance correction factors

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 30MHz, the resolution bandwidth 9kHz to 150kHz is set to 300Hz, video bandwidth is set to 1kHz. 150kHz to 30MHz, the resolution bandwidth is set to 10kHz, video bandwidth is set to 30kHz.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

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

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

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

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

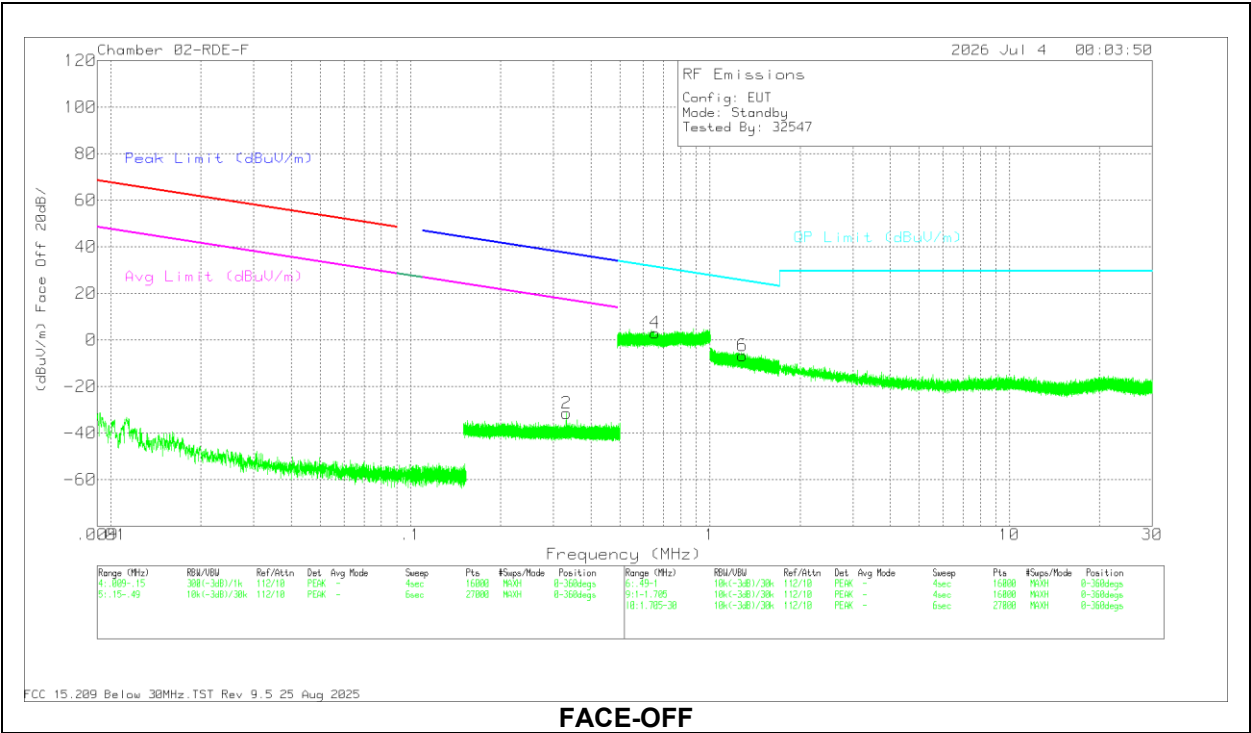
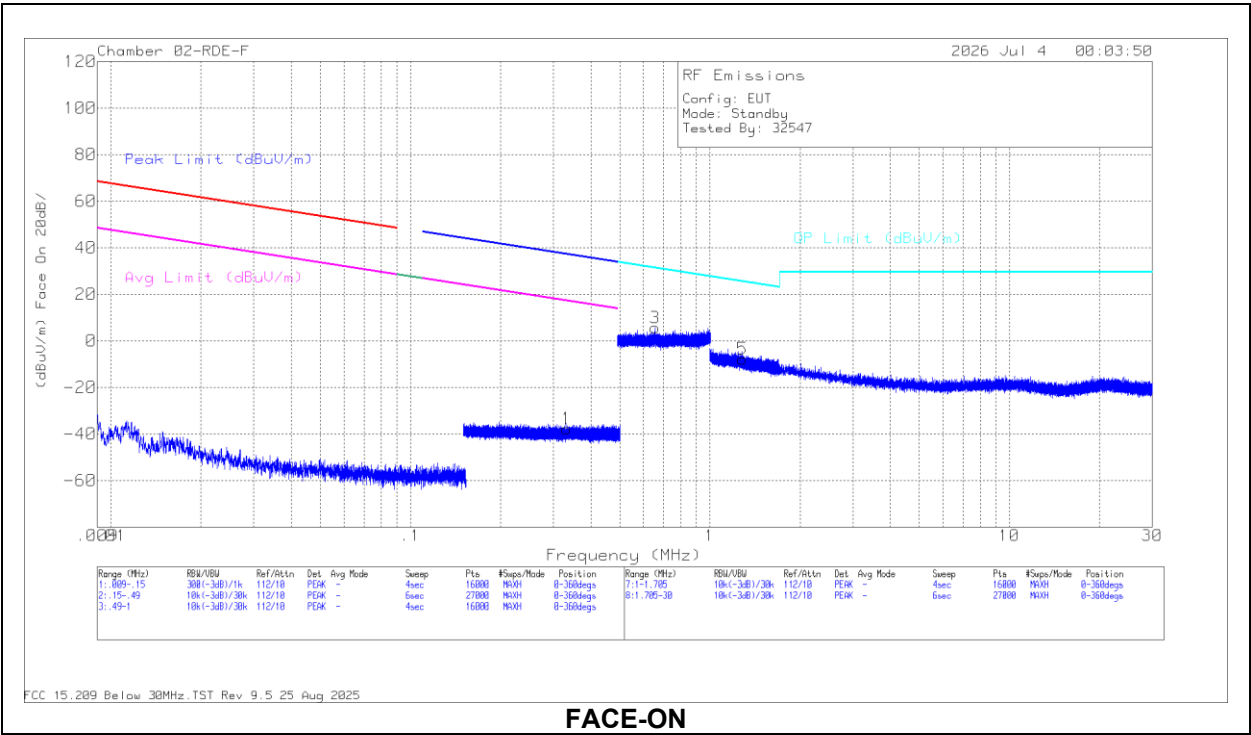
OFS and chamber correlation testing had been performed and the chamber measured test result is the worst-case test result.

RESULTS

The EUT belongs to Type 3 (Category I Radio Apparatus).

9.1 CONFIGURATION 1: STANDBY MODE

9.1.1 FCC TX FUNDAMENTAL & SPURIOUS EMISSIONS (9 kHz - 30 MHz)



DATA

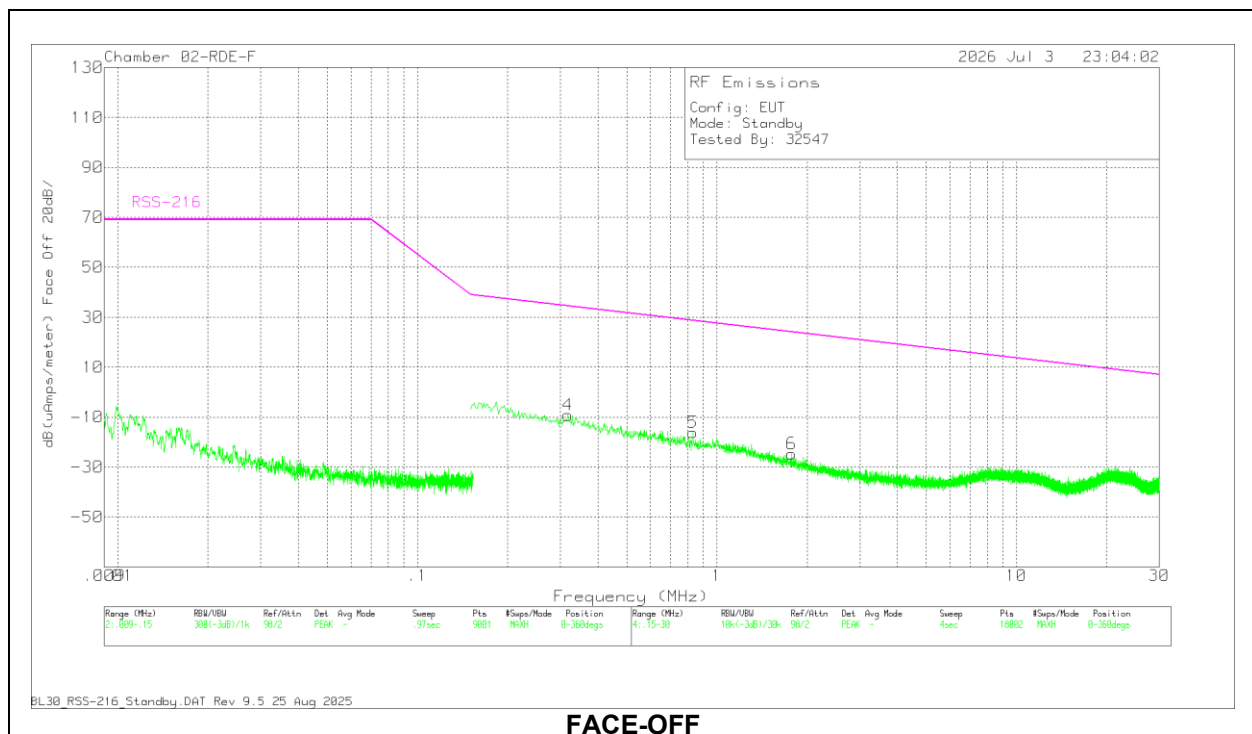
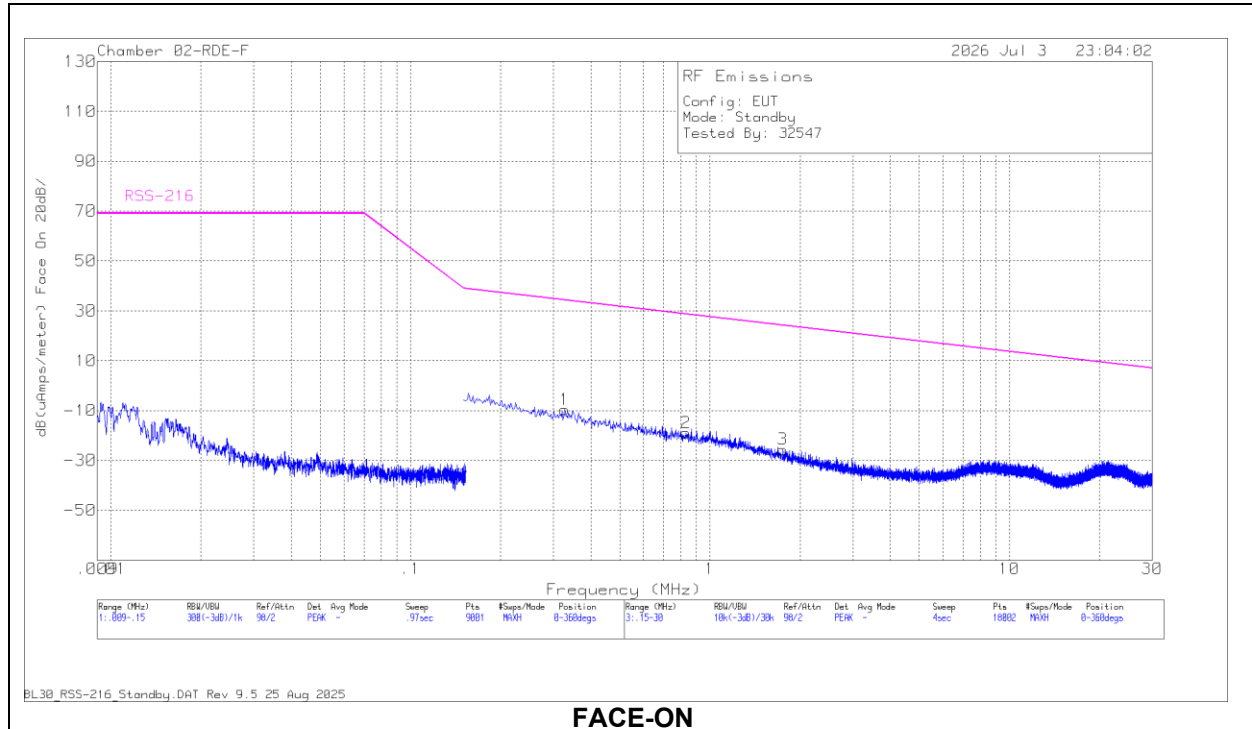
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.3327	18.23	Pk	56.2	-32.2	-80	-37.77	37.17	-74.94	17.17	-54.94	0-360	Face-on
2	.3324	24.54	Pk	56.2	-32.2	-80	-31.46	37.18	-68.64	17.18	-48.64	0-360	Face-off

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
3	.6565	21.75	Pk	56.3	-32.4	-40	5.65	31.27	-25.62	0-360	Face-on
4	.656	19.13	Pk	56.3	-32.4	-40	3.03	31.27	-28.24	0-360	Face-off
5	1.2862	19.38	Pk	45.3	-32.5	-40	-7.82	25.44	-33.26	0-360	Face-on
6	1.2857	20.5	Pk	45.3	-32.5	-40	-6.7	25.44	-32.14	0-360	Face-off

Pk - Peak detector

9.1.2 ISED TX FUNDAMENTAL & SPURIOUS EMISSIONS (9 kHz - 30 MHz)

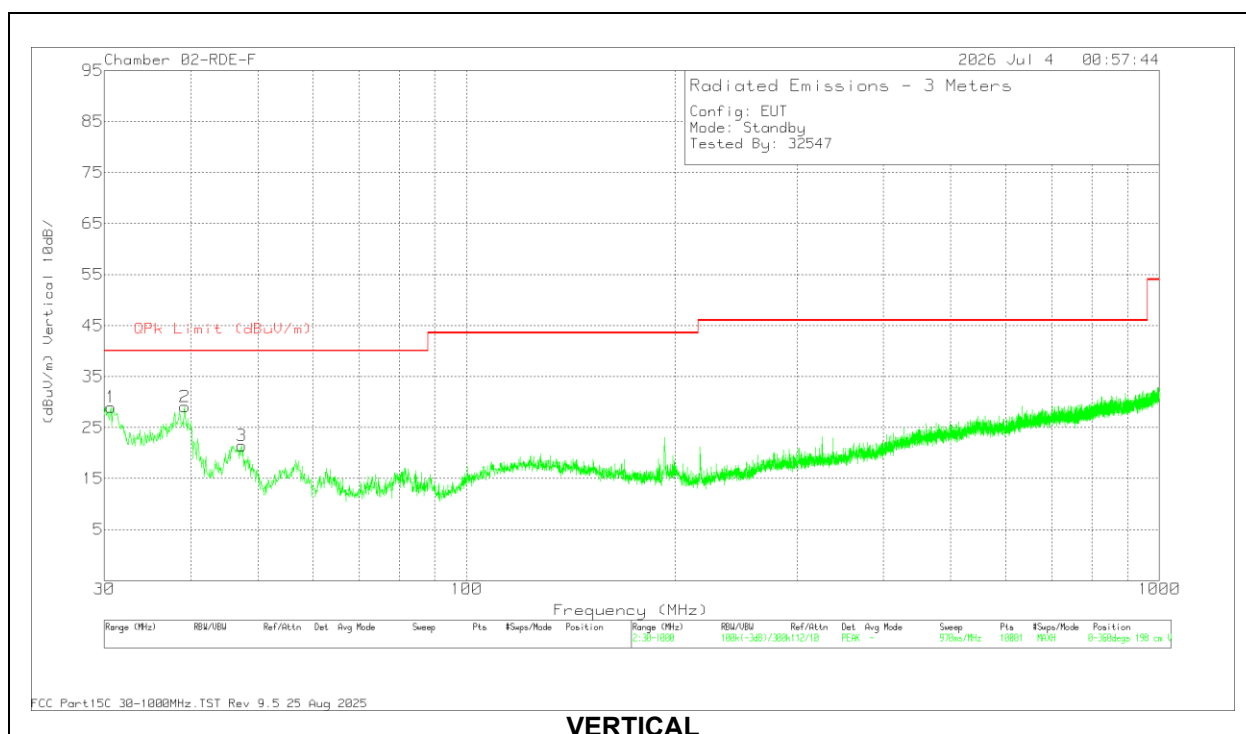
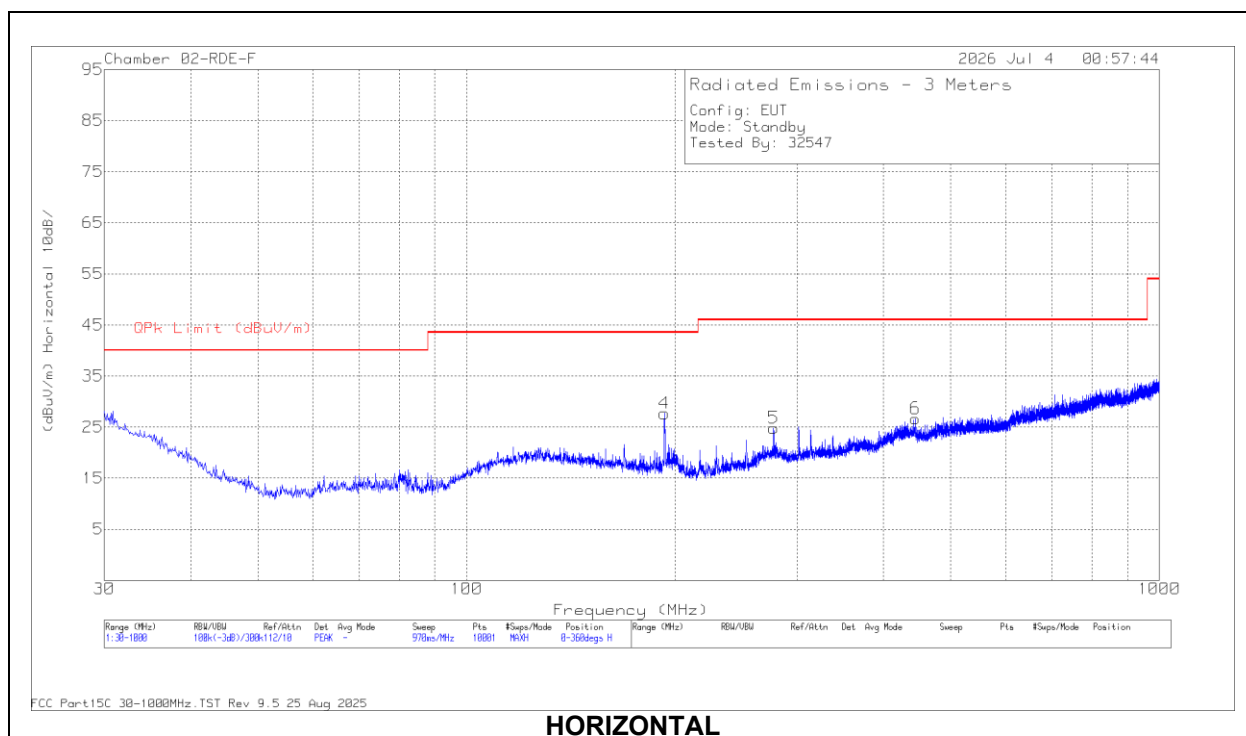


DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna H (dB/m)	Amp/Cbl (dB)	Corrected Reading dB(uAmps/meter)	RSS-216 Limit (dBuA/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.3274	18.47	Pk	4.2	-32.3	-9.63	34.29	-43.92	0-360	Face-on
2	.8331	17.06	Pk	-3.5	-32.5	-18.94	28.64	-47.58	0-360	Face-on
3	1.7516	15.78	Pk	-8.6	-32.8	-25.62	24.16	-49.78	0-360	Face-on
4	.3175	18.72	Pk	4.5	-32.4	-9.18	34.47	-43.65	0-360	Face-off
5	.8314	19.84	Pk	-3.5	-32.5	-16.16	28.66	-44.82	0-360	Face-off
6	1.7782	16.6	Pk	-8.8	-32.5	-24.7	24.07	-48.77	0-360	Face-off

Pk - Peak detector

9.1.3 FCC TX SPURIOUS EMISSION (30 - 1000 MHz)



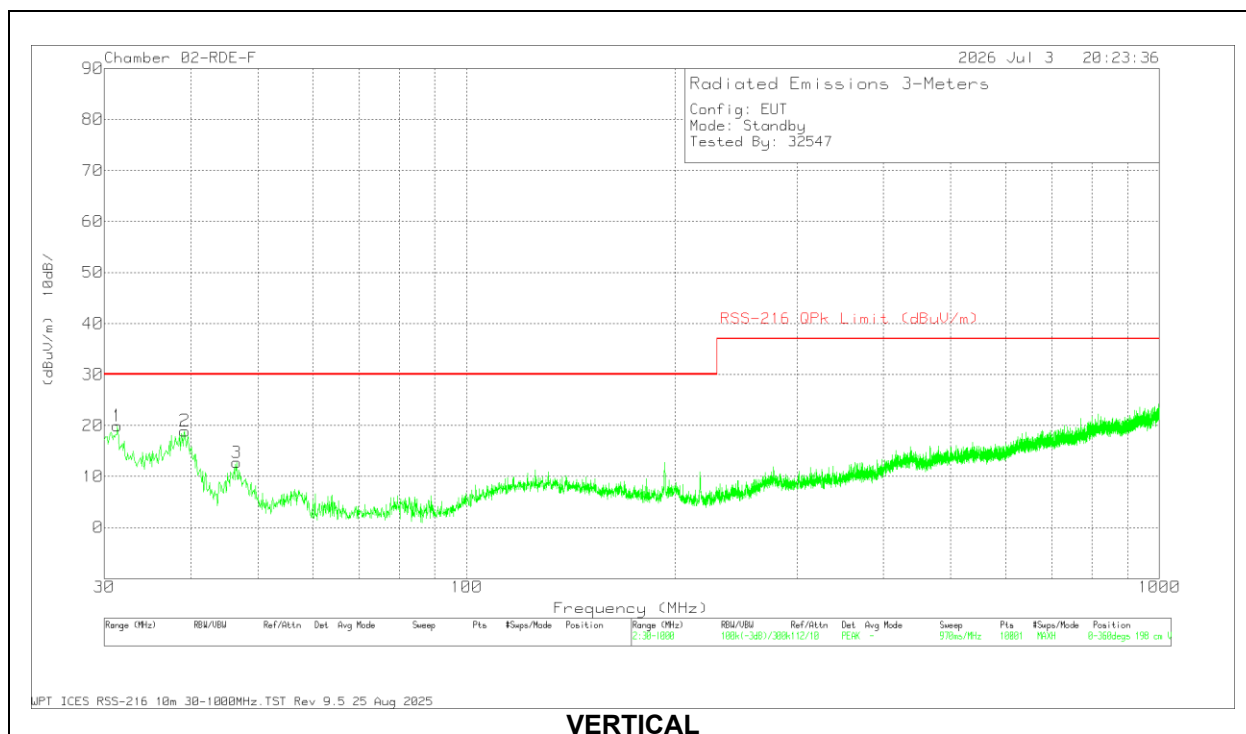
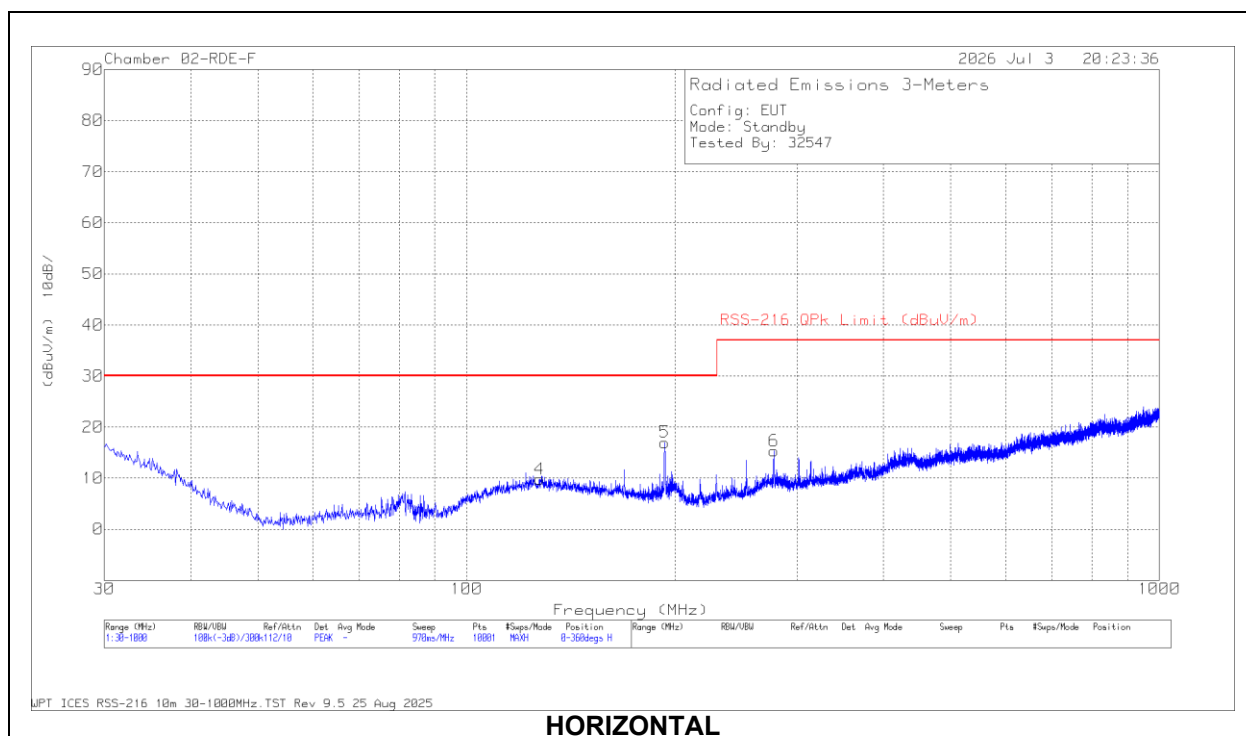
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	202301 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 277.748	33.19	Qp	19.2	-30	22.39	46.02	-23.63	73	104	H
1	30.8212	26.67	Qp	26.4	-31.4	21.67	40	-18.33	243	129	V
2	38.3839	31.72	Qp	20.8	-31.6	20.92	40	-19.08	147	124	V
3	46.7946	31.86	Qp	14.8	-31.3	15.36	40	-24.64	60	127	V
4	193.133	38.52	Qp	17.4	-30.3	25.62	43.52	-17.9	124	156	H
6	446.834	25.31	Qp	22.7	-29.5	18.51	46.02	-27.51	307	321	H

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

Qp - Quasi-Peak detector

9.1.4 ISED TX SPURIOUS EMISSION (30 - 1000 MHz)



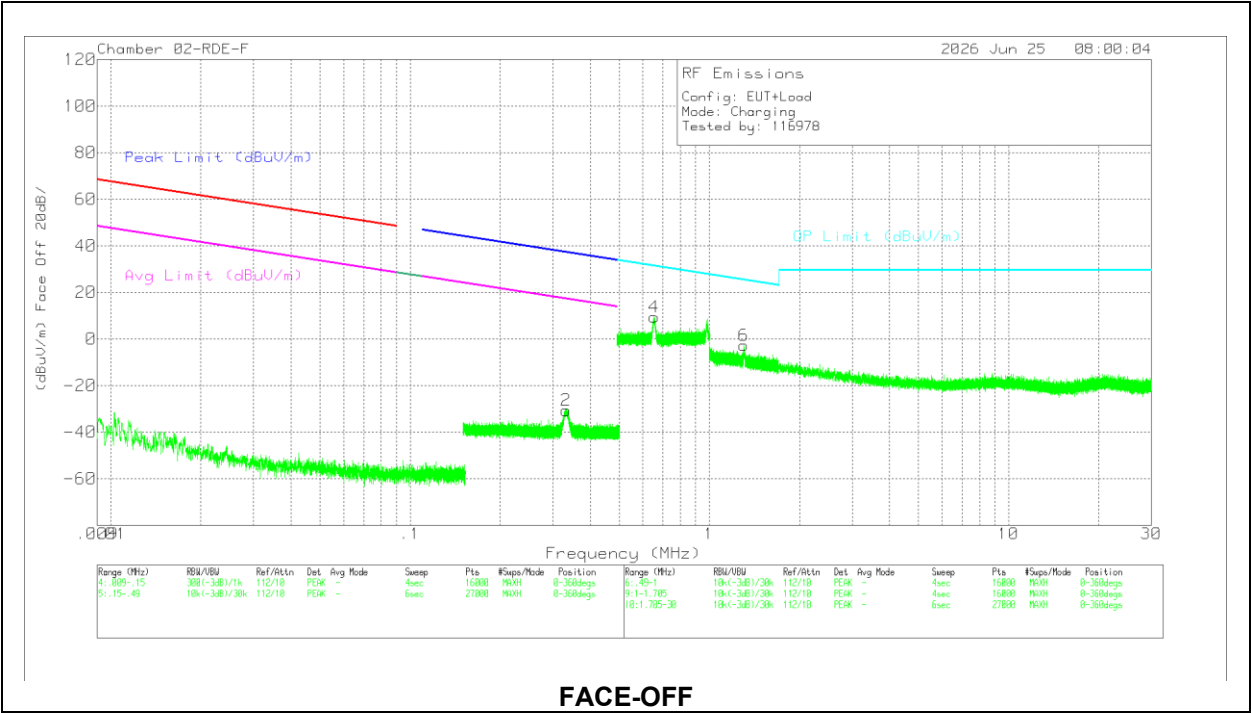
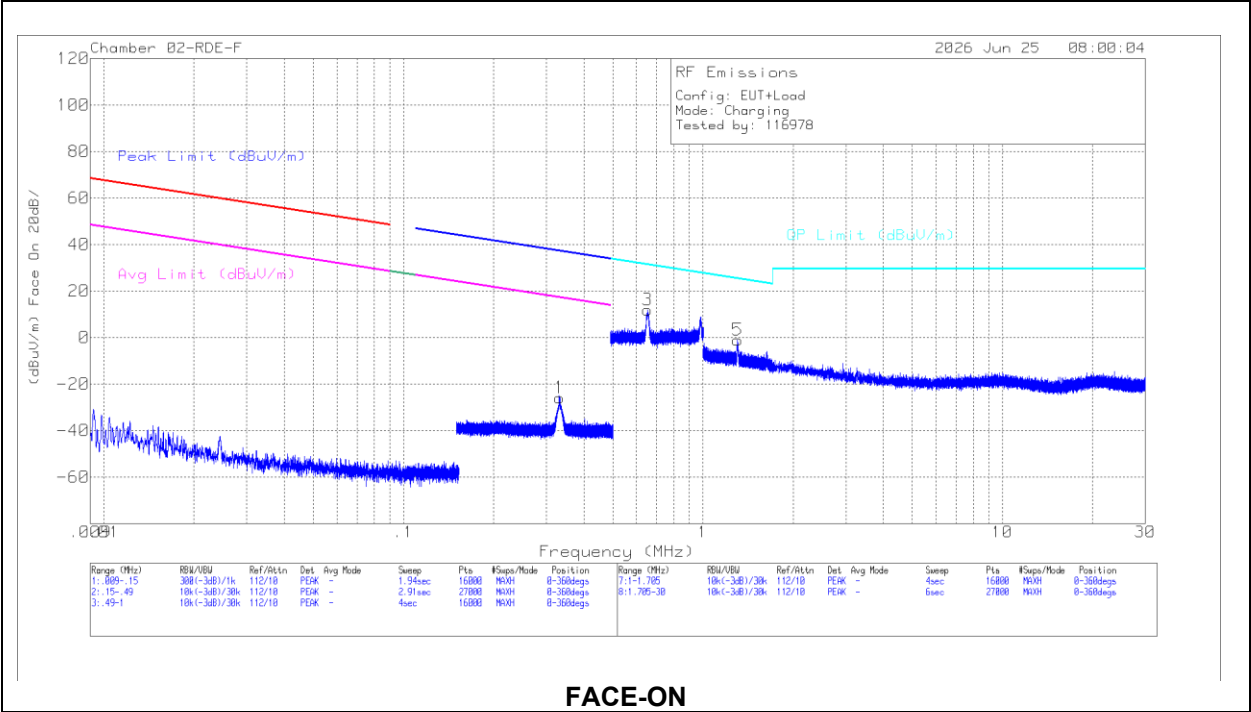
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	202301 ACF (dB/m)	Amp/Cbl (dB)	Dist Corr 10m (dB)	Corrected Reading (dBuV/m)	RSS-216 Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	31.0638	27.81	Qp	26.3	-31.5	-10.5	12.11	30	-17.89	278	113	V
2	39.4926	31.81	Qp	20	-31.5	-10.5	9.81	30	-20.19	313	106	V
3	46.947	32.06	Qp	14.7	-31.2	-10.5	5.06	30	-24.94	93	110	V
4	127.18	21.58	Qp	19.7	-30.8	-10.5	-0.2	30	-30.02	358	100	H
5	193.079	37.89	Qp	17.4	-30.3	-10.5	14.49	30	-15.51	122	144	H
6	277.754	33.63	Qp	19.2	-30	-10.5	12.33	37	-24.67	88	116	H

Qp - Quasi-Peak detector

9.2 CONFIGURATION 2: OPERATING MODE W/ LOAD#1 326.5kHz

9.2.1 FCC TX FUNDAMENTAL & SPURIOUS EMISSIONS (9 kHz - 30 MHz)



DATA

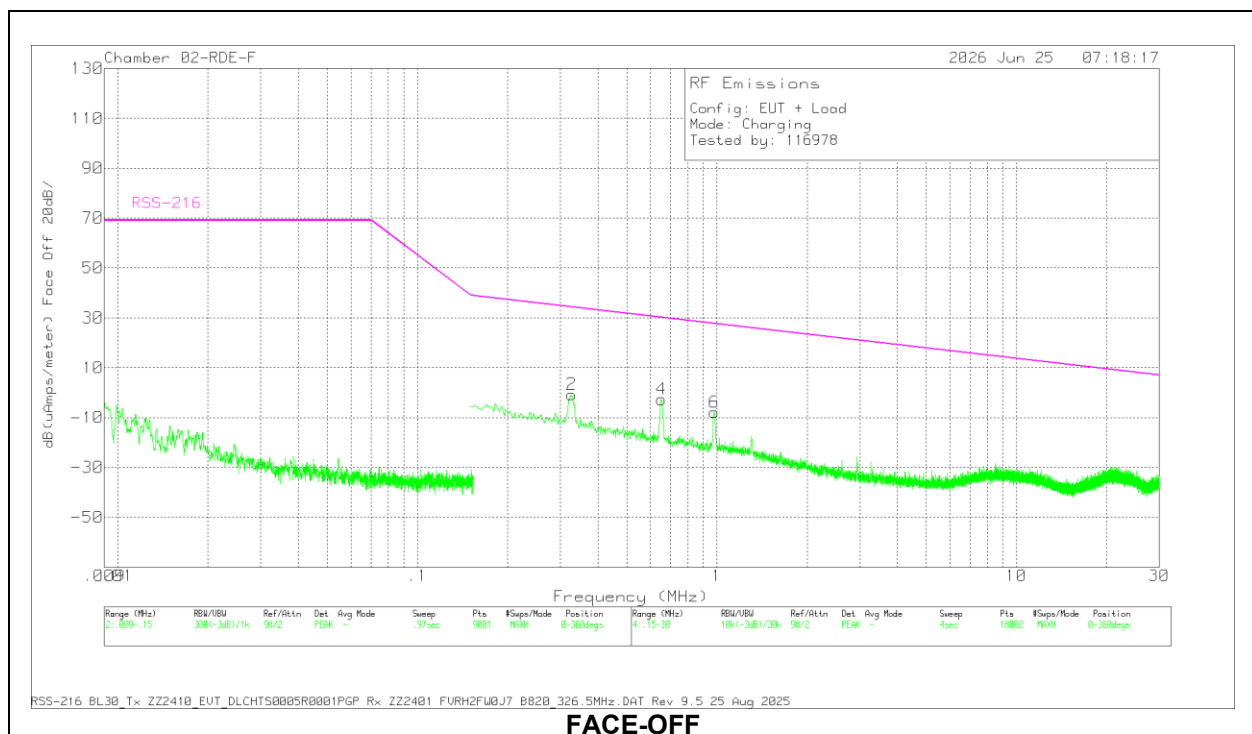
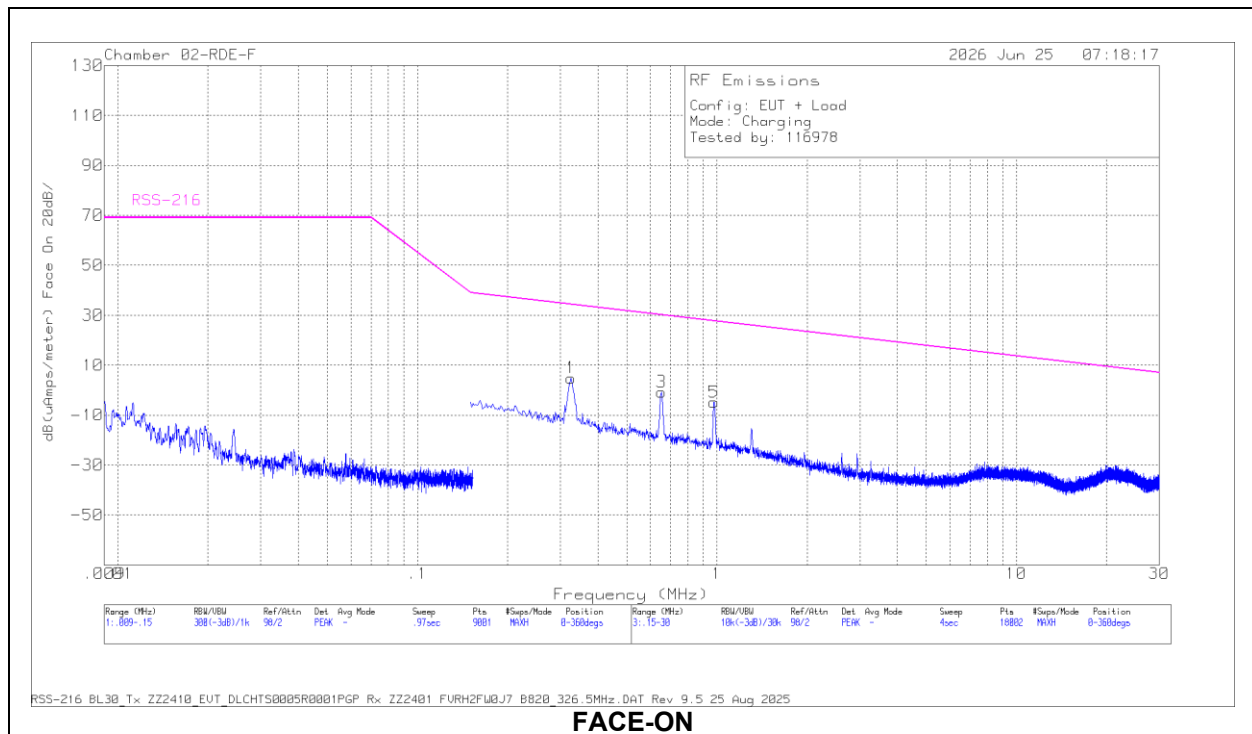
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.332	30.06	Pk	56.2	-32.2	-80	-25.94	37.19	-63.13	17.19	-43.13	0-360	Face-on
2	.3321	25.33	Pk	56.2	-32.2	-80	-30.67	37.18	-67.85	17.18	-47.85	0-360	Face-off

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
3	.6531	27.92	Pk	56.3	-32.3	-40	11.92	31.31	-19.39	0-360	Face-on
4	.6545	25.49	Pk	56.3	-32.4	-40	9.39	31.29	-21.9	0-360	Face-off
5	1.3059	26.33	Pk	45.2	-32.6	-40	-1.07	25.31	-26.38	0-360	Face-on
6	1.3058	24.64	Pk	45.2	-32.6	-40	-2.76	25.31	-28.07	0-360	Face-off

Pk - Peak detector

9.2.2 ISED TX FUNDAMENTAL & SPURIOUS EMISSIONS (9 kHz - 30 MHz)

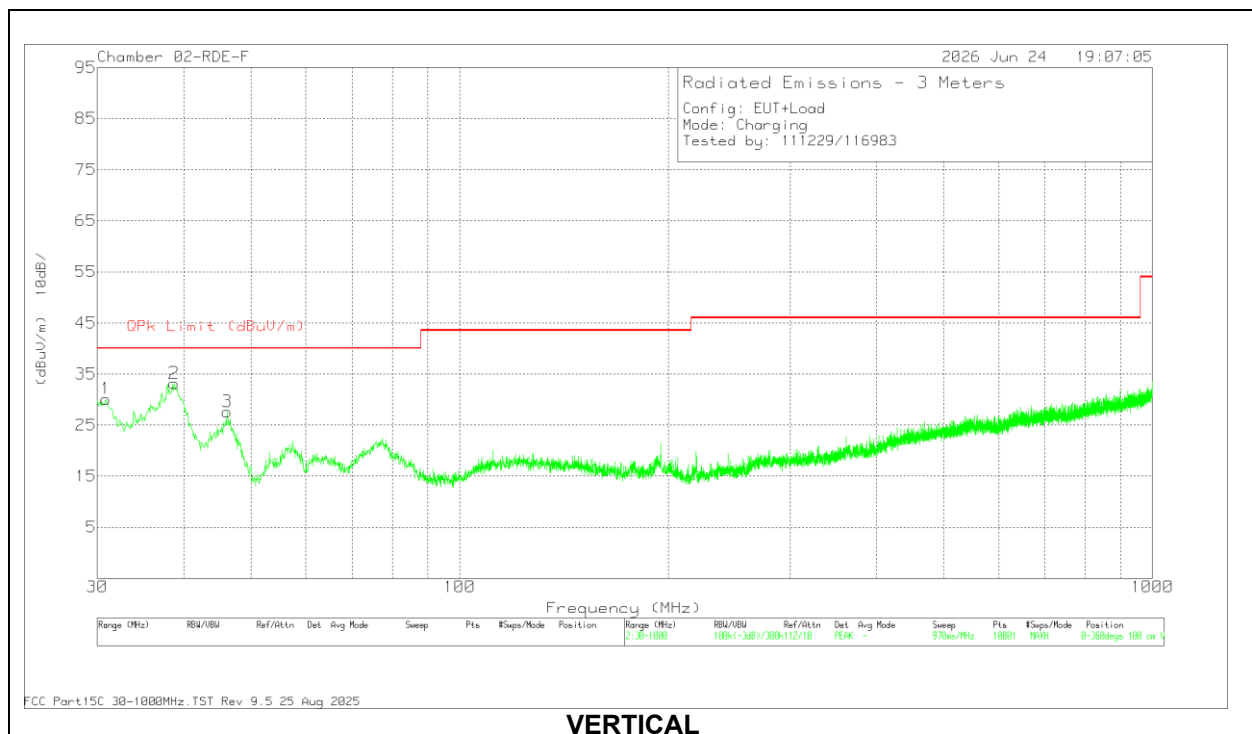
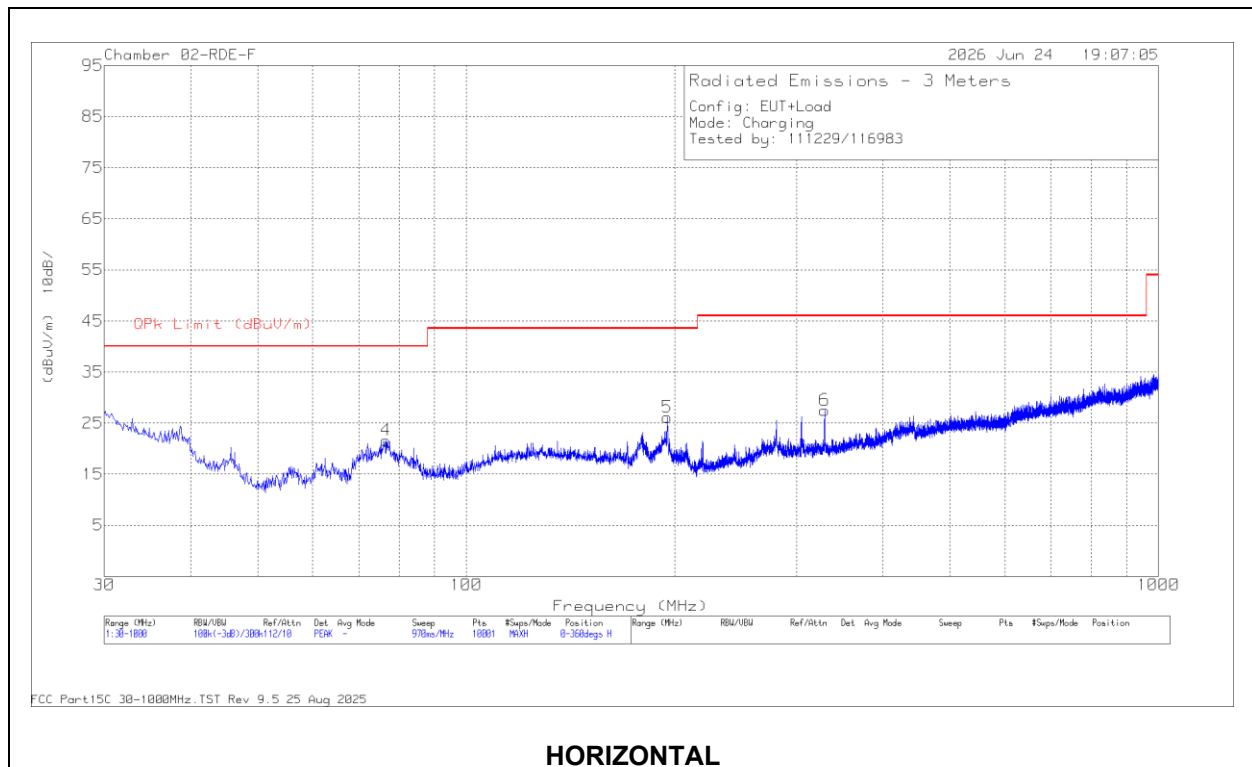


DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna H (dB/m)	Amp/Cbl (dB)	Corrected Reading dB(uAmps/meter)	RSS-216 Limit (dBuA/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.3258	32.99	Pk	4.2	-32.3	4.89	34.32	-29.43	0-360	Face-on
2	.3274	27.38	Pk	4.2	-32.3	-.72	34.29	-35.01	0-360	Face-off
3	.6524	32.94	Pk	-1.4	-32.3	-.76	30.12	-30.88	0-360	Face-on
4	.6524	31.04	Pk	-1.4	-32.3	-2.66	30.12	-32.78	0-360	Face-off
5	.9773	31.57	Pk	-4.6	-31.8	-4.83	27.68	-32.51	0-360	Face-on
6	.979	28.52	Pk	-4.6	-31.8	-7.88	27.67	-35.55	0-360	Face-off

Pk - Peak detector

9.2.3 FCC TX SPURIOUS EMISSION (30 - 1000 MHz)



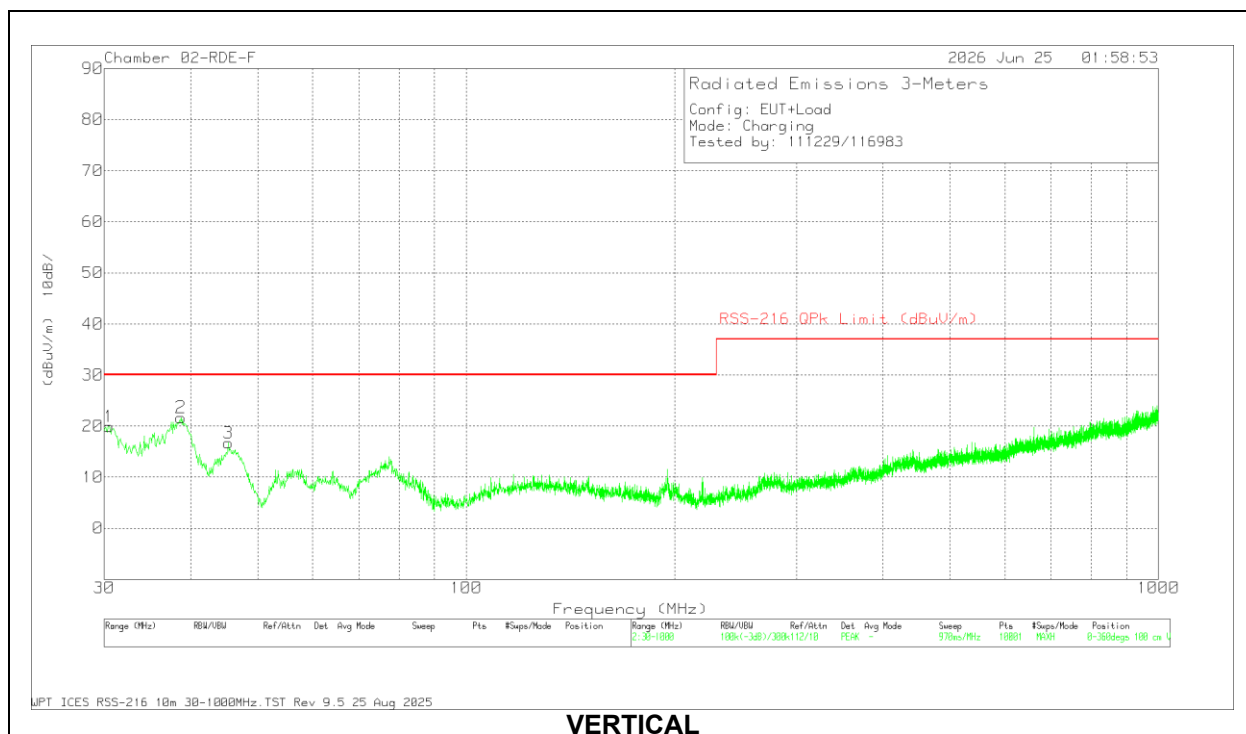
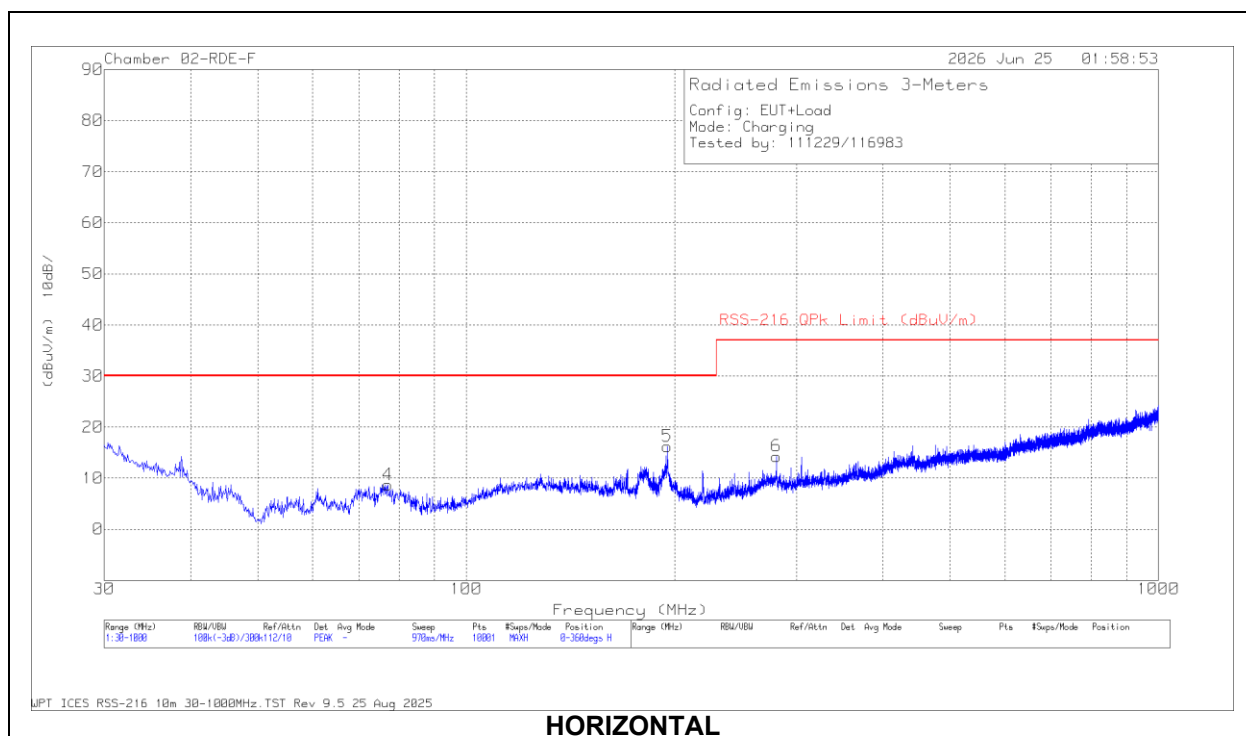
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	202301 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 329.358	31.64	Qp	19.8	-29.4	22.04	46.02	-23.98	115	114	H
1	31.0414	30.17	Qp	26.3	-31.5	24.97	40	-15.03	275	105	V
2	38.6704	38.57	Qp	20.6	-31.6	27.57	40	-12.43	318	116	V
3	45.9214	37.49	Qp	15.3	-31.6	21.19	40	-18.81	10	104	V
4	77.5281	33.9	Qp	13.7	-31.2	16.4	40	-23.6	73	264	H
5	195.226	37.3	Qp	17.7	-30.3	24.7	43.52	-18.82	98	166	H

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

Qp - Quasi-Peak detector

9.2.4 ISED TX SPURIOUS EMISSION (30 - 1000 MHz)



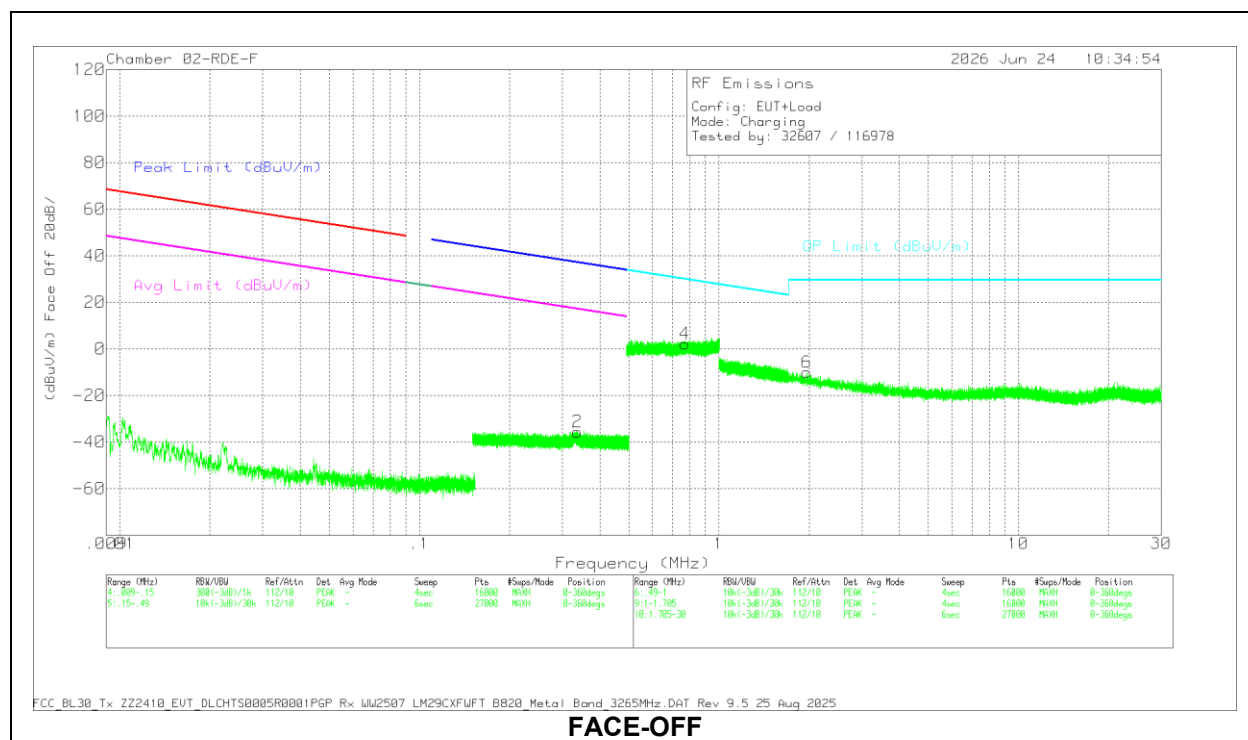
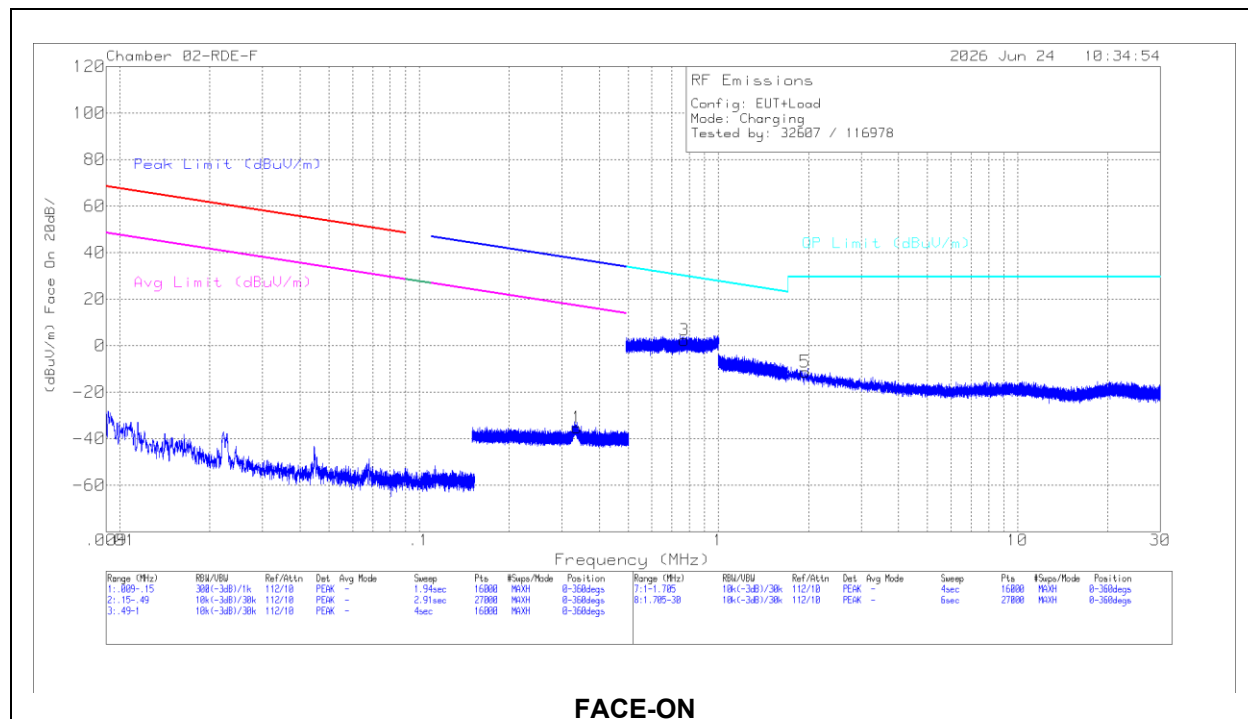
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	202301 ACF (dB/m)	Amp/Cbl (dB)	Dist Corr 10m (dB)	Corrected Reading (dBuV/m)	RSS-216 Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.3505	29.4	Qp	26.7	-31.3	-10.5	14.3	30	-15.7	288	114	V
2	38.8408	38.78	Qp	20.5	-31.6	-10.5	17.18	30	-12.82	307	100	V
3	45.7292	37.61	Qp	15.5	-31.5	-10.5	11.11	30	-18.89	12	129	V
4	75.7654	32.17	Qp	13.9	-31.1	-10.5	4.47	30	-25.53	91	229	H
5	195.13	37.14	Qp	17.7	-30.3	-10.5	14.04	30	-15.96	119	113	H
6	280.608	32.55	Qp	19.3	-29.9	-10.5	11.45	37	-25.55	92	103	H

Qp - Quasi-Peak detector

9.3 CONFIGURATION 3: OPERATING MODE W/ LOAD#2 326.5kHz

9.3.1 FCC TX FUNDAMENTAL & SPURIOUS EMISSIONS (9 kHz - 30 MHz)



DATA

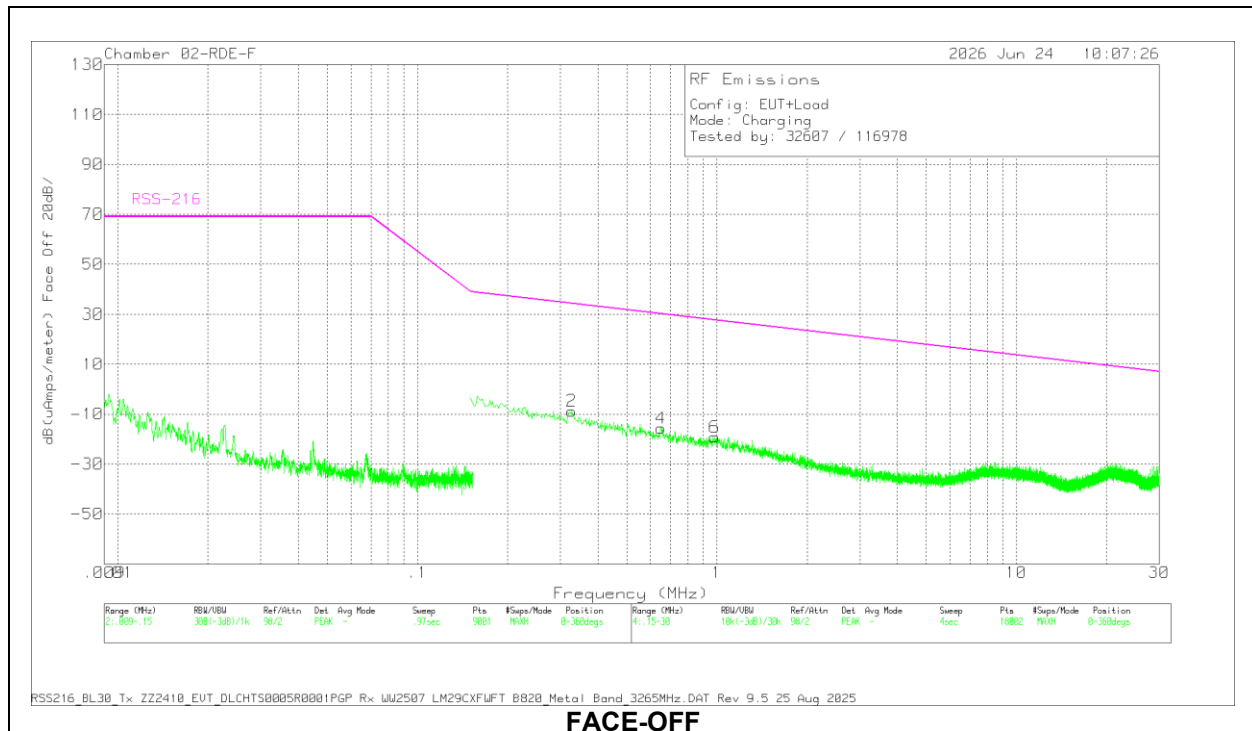
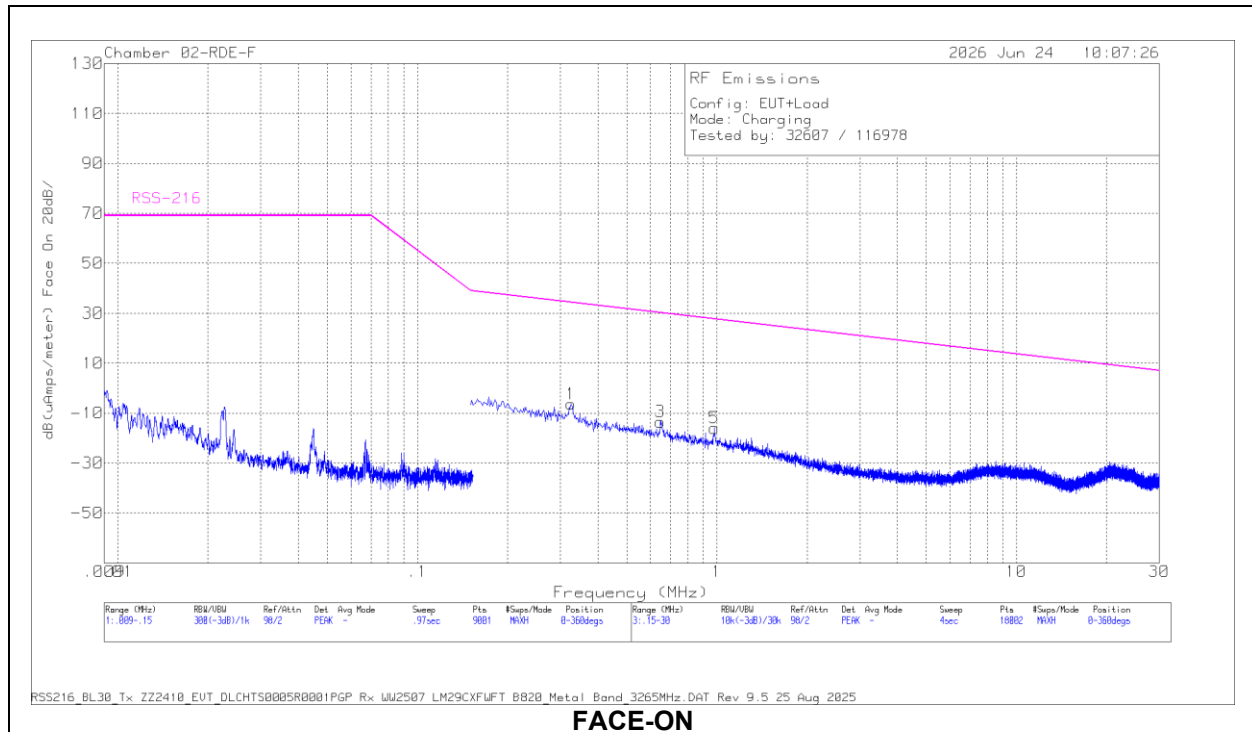
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.3369	20.67	Pk	56.2	-32.2	-80	-35.33	37.06	-72.39	17.06	-52.39	0-360	Face-on
2	.3368	20.38	Pk	56.2	-32.2	-80	-35.62	37.06	-72.68	17.06	-52.68	0-360	Face-off

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
3	.7695	18.3	Pk	56.3	-32.3	-40	2.3	29.89	-27.59	0-360	Face-on
4	.7701	18.17	Pk	56.3	-32.3	-40	2.17	29.88	-27.71	0-360	Face-off
5	1.9513	18.93	Pk	41.8	-32.1	-40	-11.37	29.5	-40.87	0-360	Face-on
6	1.9649	20.36	Pk	41.8	-32.2	-40	-10.04	29.5	-39.54	0-360	Face-off

Pk - Peak detector

9.3.2 ISED TX FUNDAMENTAL & SPURIOUS EMISSIONS (9 kHz - 30 MHz)

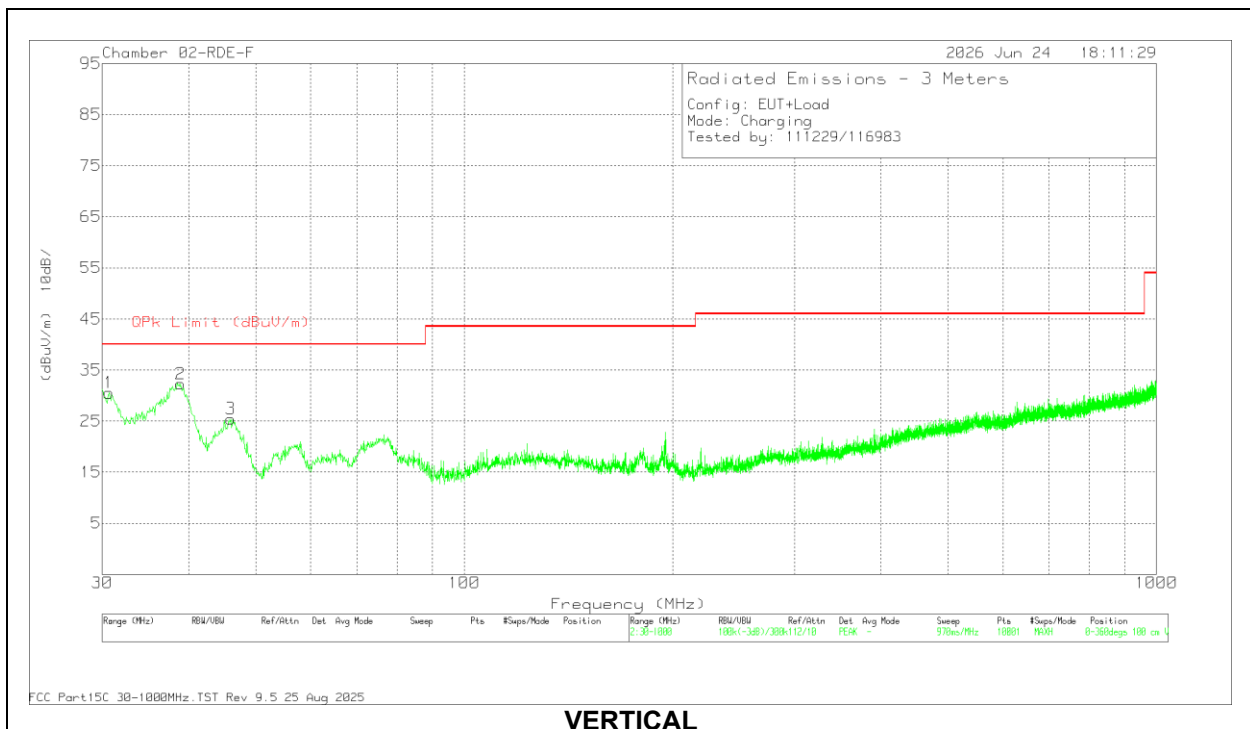
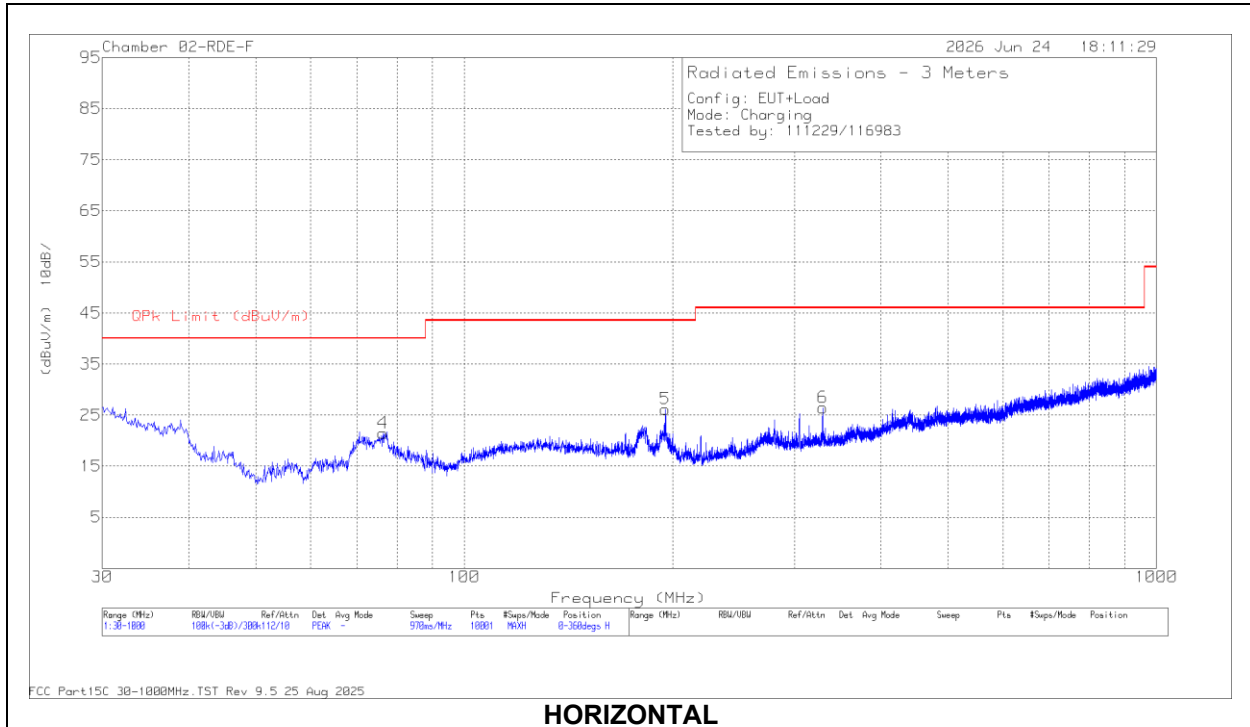


DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna H (dB/m)	Amp/Cbl (dB)	Corrected Reading dB(uAmps/meter)	RSS-216 Limit (dBuA/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.3258	21.77	Pk	4.2	-32.3	-6.33	34.32	-40.65	0-360	Face-on
2	.3274	19.3	Pk	4.2	-32.3	-8.8	34.29	-43.09	0-360	Face-off
3	.6474	20.14	Pk	-1.3	-32.3	-13.46	30.17	-43.63	0-360	Face-on
4	.6491	17.99	Pk	-1.4	-32.3	-15.71	30.15	-45.86	0-360	Face-off
5	.9807	20.41	Pk	-4.6	-31.8	-15.99	27.66	-43.65	0-360	Face-on
6	.9823	17.06	Pk	-4.6	-31.7	-19.24	27.65	-46.89	0-360	Face-off

Pk - Peak detector

9.3.3 FCC TX SPURIOUS EMISSION (30 - 1000 MHz)



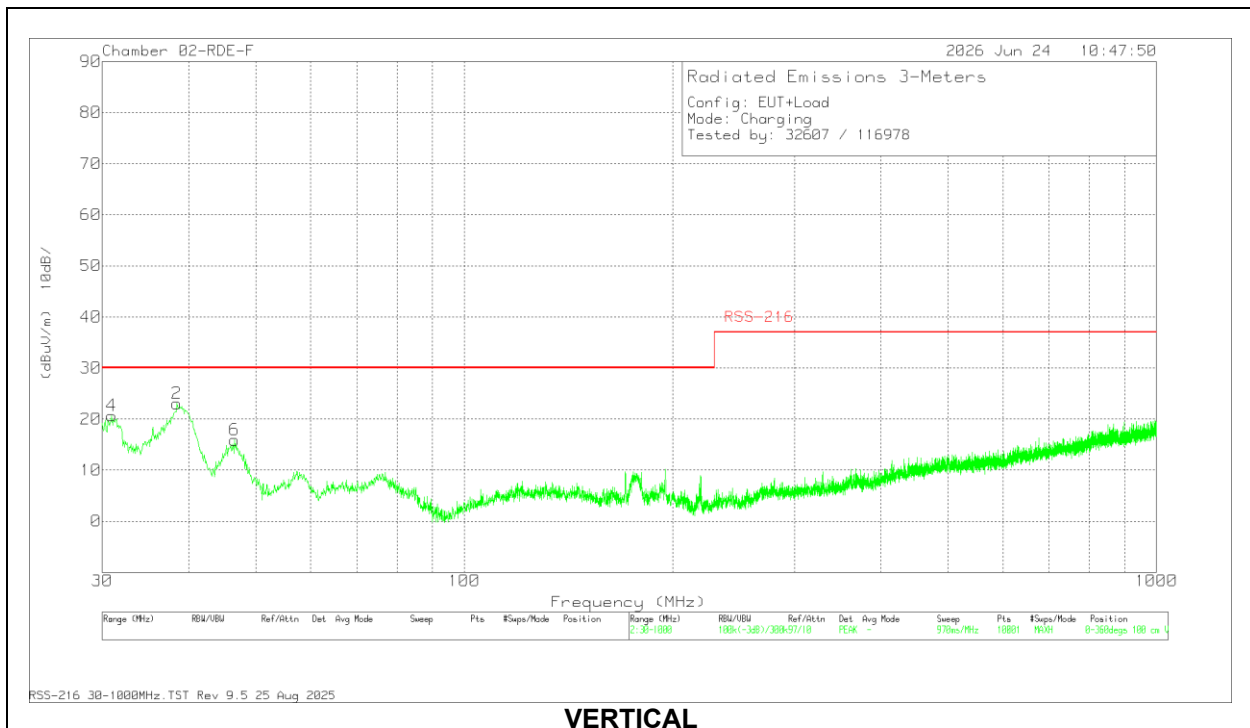
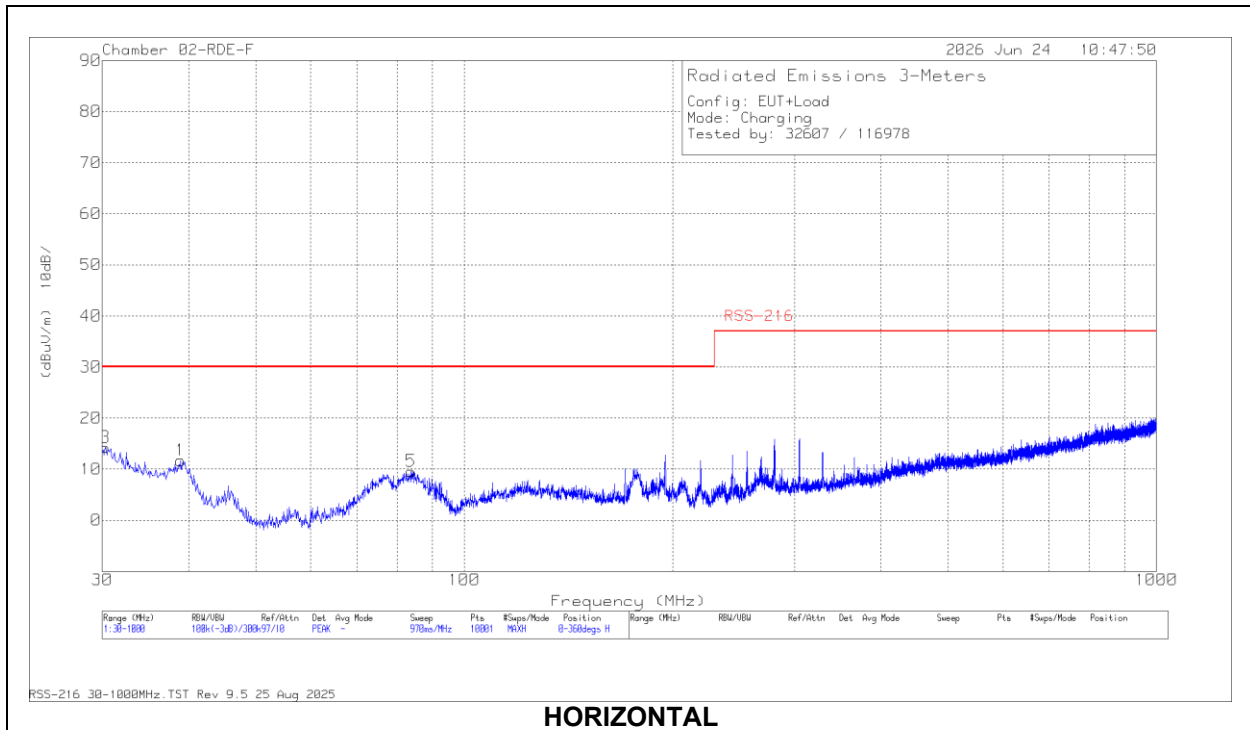
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	202301 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 329.344	31.41	Qp	19.8	-29.4	21.81	46.02	-24.21	316	100	H
1	30.9826	29.67	Qp	26.3	-31.5	24.47	40	-15.53	340	148	V
2	38.888	39.25	Qp	20.5	-31.6	28.15	40	-11.85	306	104	V
3	46.0298	39.23	Qp	15.3	-31.6	22.93	40	-17.07	63	100	V
4	76.8311	33.76	Qp	13.8	-31.2	16.36	40	-23.64	79	195	H
5	195.255	37.58	Qp	17.8	-30.3	25.08	43.52	-18.44	113	107	H

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

Qp - Quasi-Peak detector

9.3.4 ISED TX SPURIOUS EMISSION (30 - 1000 MHz)



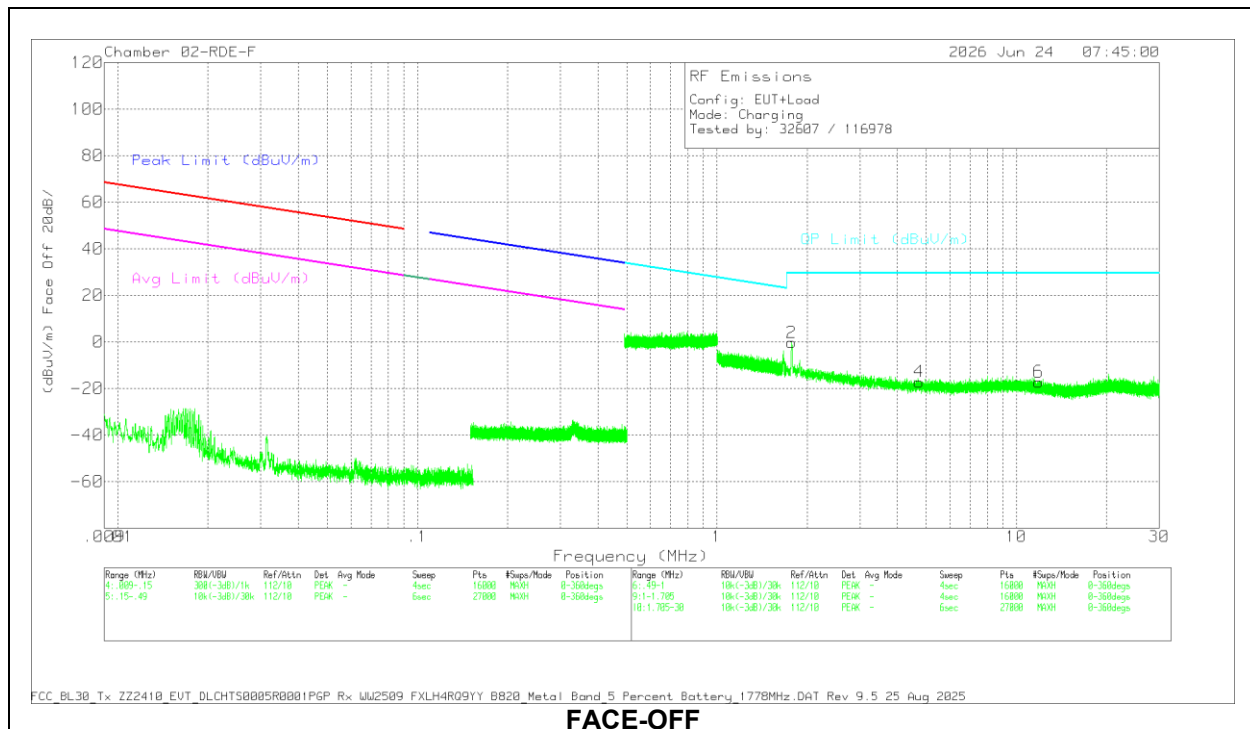
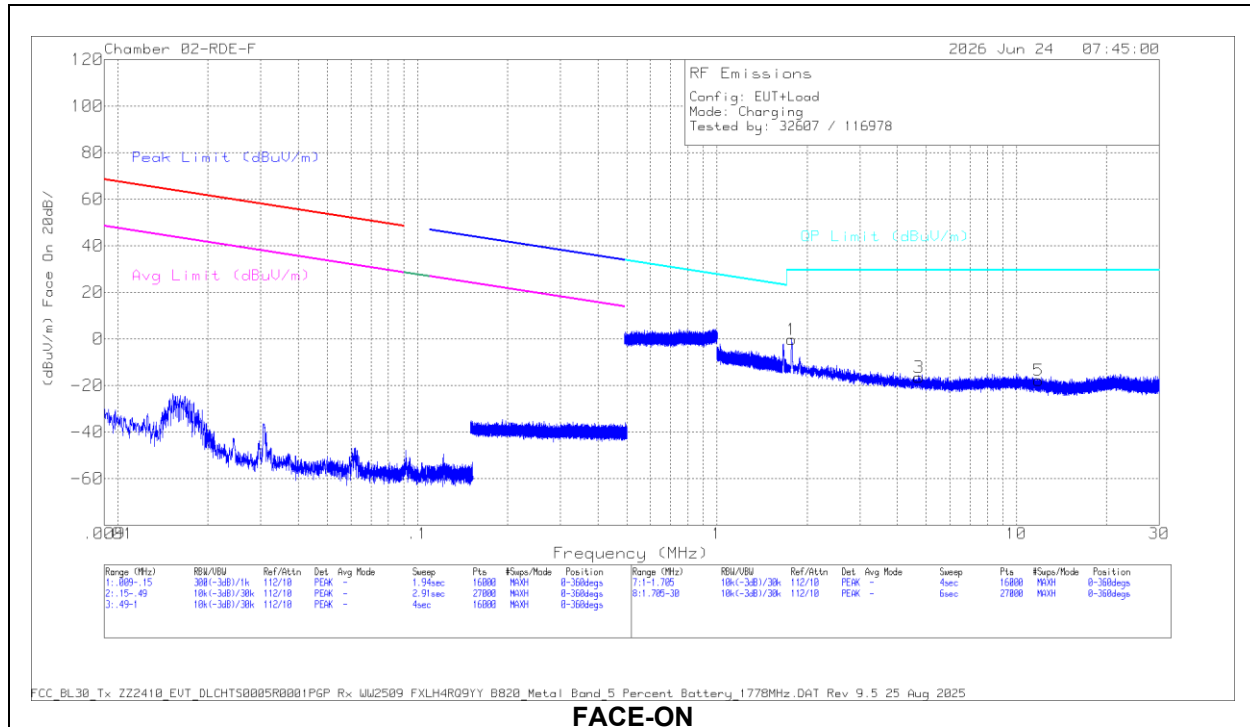
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	202301 ACF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuV/m)	RSS-216 Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	30.4247	22.76	Qp	26.6	-31.3	-10.5	7.56	30	-22.44	103	173	H
4	31.0336	32.38	Qp	26.3	-31.5	-10.5	16.68	30	-13.32	315	104	V
2	38.8529	40.52	Qp	20.5	-31.6	-10.5	18.92	30	-11.08	298	100	V
1	39.1537	28.09	Qp	20.3	-31.6	-10.5	6.29	30	-23.71	103	343	H
6	46.3607	38.3	Qp	15.1	-31.5	-10.5	11.4	30	-18.6	32	100	V
5	83.5871	35.15	Qp	13.1	-31.2	-10.5	6.55	30	-23.45	227	227	H

Qp - Quasi-Peak detector

9.4 CONFIGURATION 4: OPERATING MODE W/ LOAD #3 1.778MHz

9.4.1 FCC TX FUNDAMENTAL & SPURIOUS EMISSIONS (9 kHz - 30 MHz)

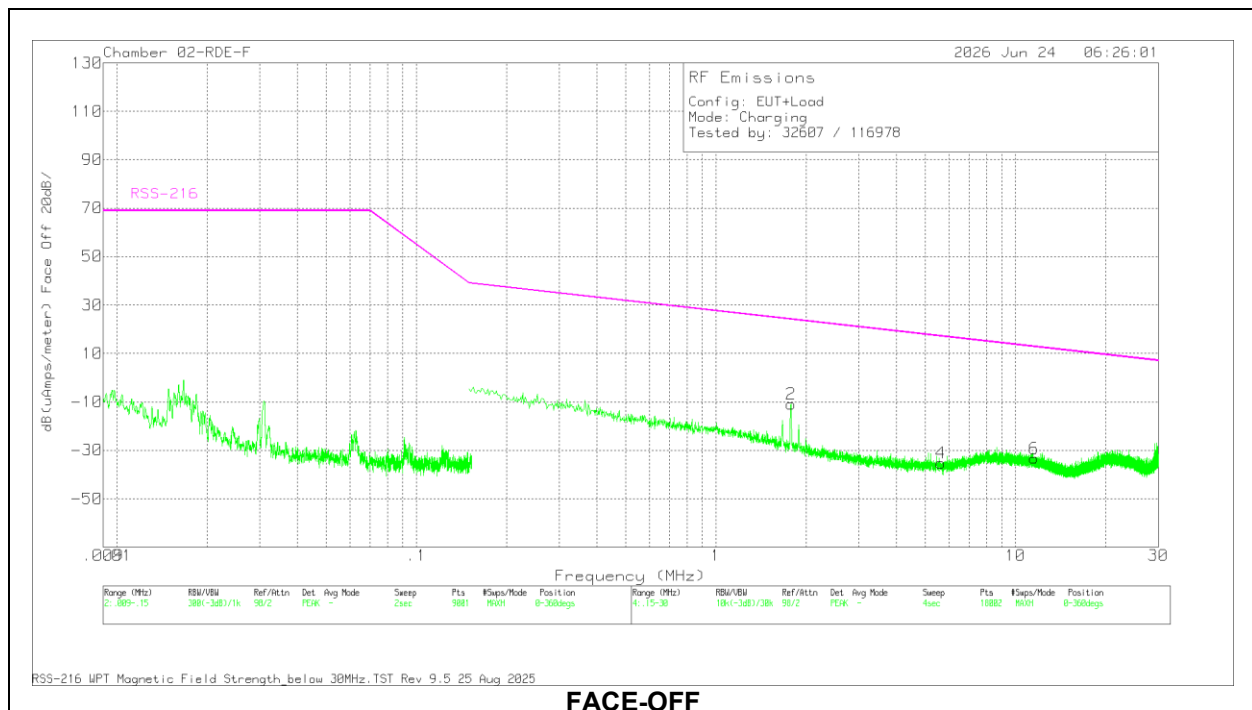
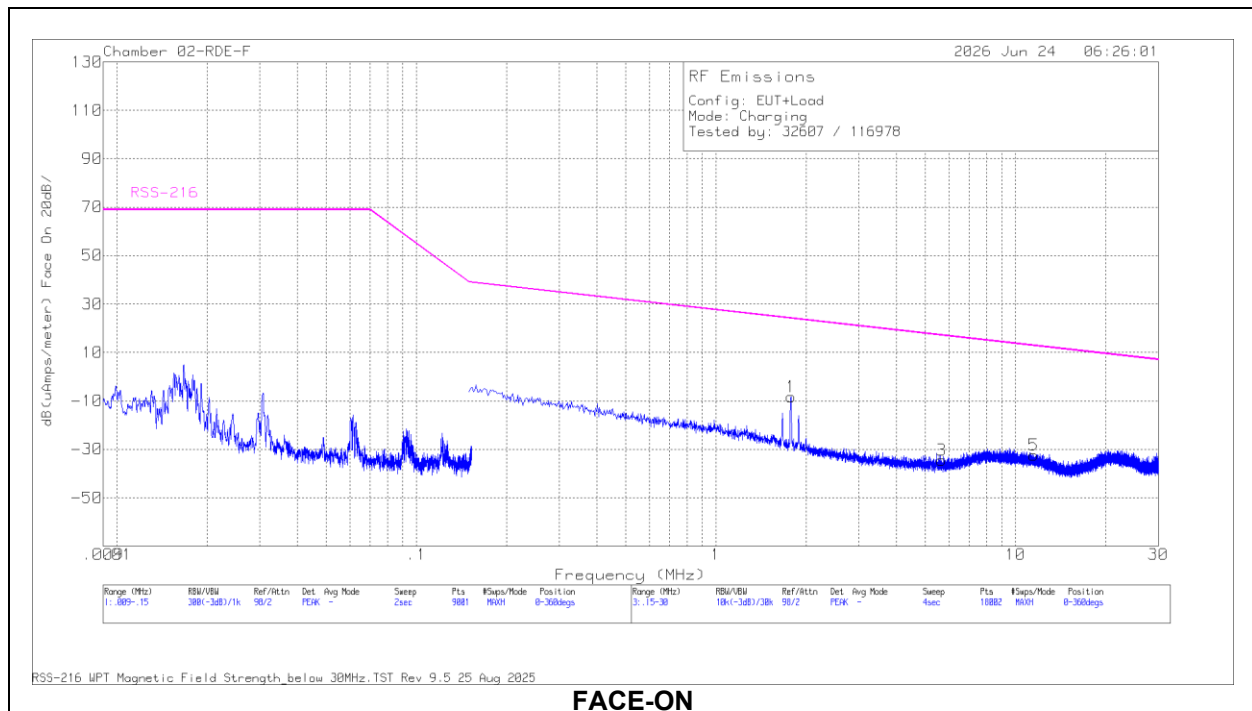


DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	1.7773	29.48	Pk	42.7	-32.5	-40	-.32	29.5	-29.82	0-360	Face-on
2	1.7784	29.45	Pk	42.7	-32.5	-40	-.35	29.5	-29.85	0-360	Face-off
3	4.7253	18.96	Pk	36.4	-31.9	-40	-16.54	29.5	-46.04	0-360	Face-on
4	4.7316	18.3	Pk	36.4	-31.9	-40	-17.2	29.5	-46.7	0-360	Face-off
5	11.8465	19.78	Pk	34.5	-32.2	-40	-17.92	29.5	-47.42	0-360	Face-on
6	11.8622	20.46	Pk	34.5	-32.2	-40	-17.24	29.5	-46.74	0-360	Face-off

Pk - Peak detector

9.4.2 ISED TX FUNDAMENTAL & SPURIOUS EMISSIONS (9 kHz - 30 MHz)

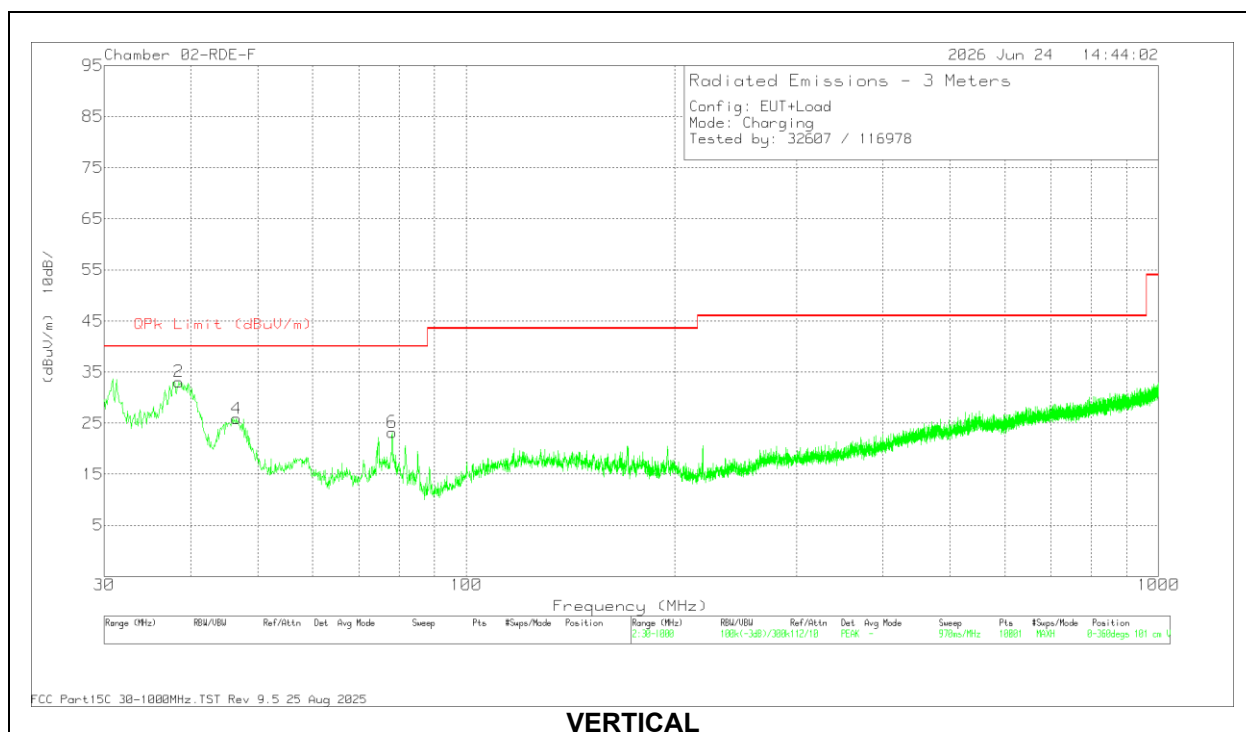
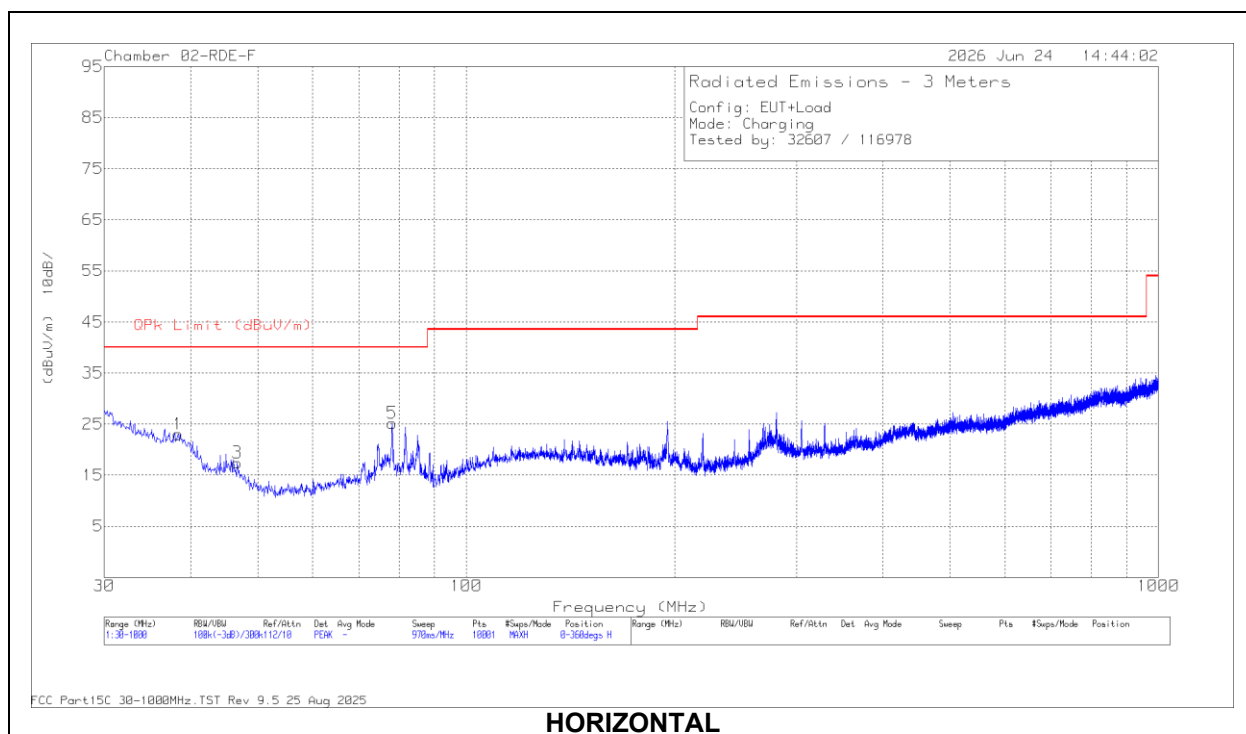


DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna H (dB/m)	Amp/Cbl (dB)	Corrected Reading dB(uAmps/meter)	RSS-216 Limit (dBuA/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	1.7782	33.04	Pk	-8.8	-32.5	-8.26	24.07	-32.33	0-360	Face-on
2	1.7782	30.51	Pk	-8.8	-32.5	-10.79	24.07	-34.86	0-360	Face-off
3	5.6595	13.98	Pk	-16	-32.4	-34.42	17.07	-51.49	0-360	Face-on
4	5.643	13.28	Pk	-16	-32.4	-35.12	17.09	-52.21	0-360	Face-off
5	11.509	16.74	Pk	-16.9	-32.2	-32.36	12.79	-45.15	0-360	Face-on
6	11.5272	15.9	Pk	-16.9	-32.3	-33.3	12.78	-46.08	0-360	Face-off

Pk - Peak detector

9.4.3 FCC TX SPURIOUS EMISSION (30 - 1000 MHz)

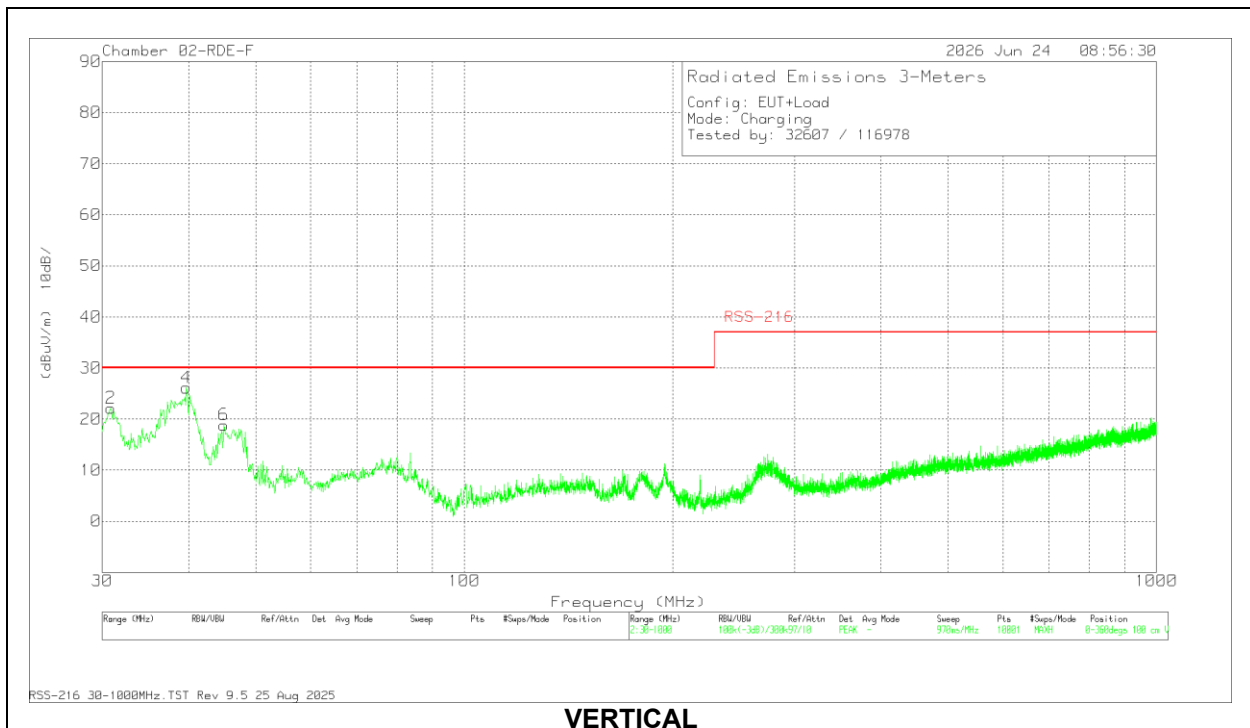
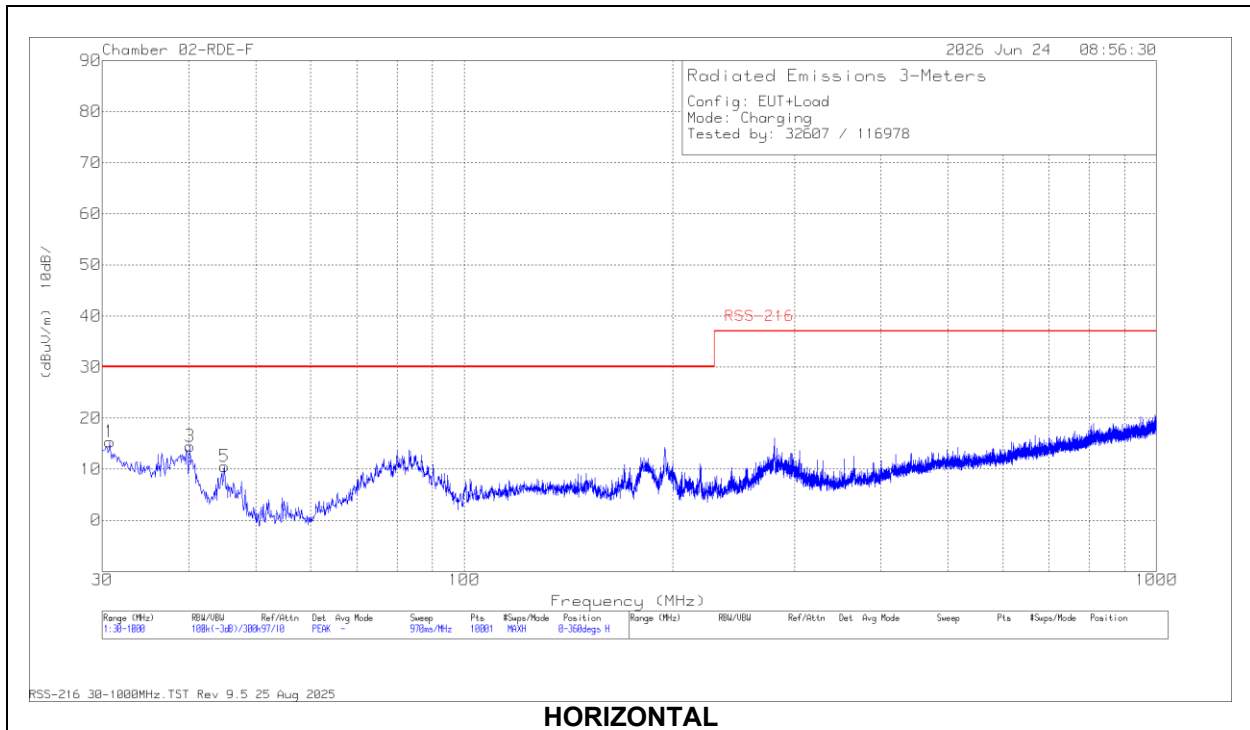


DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	202301 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	38.4392	27.71	Qp	20.8	-31.6	16.91	40	-23.09	74	378	H
2	38.8303	34.25	Qp	20.5	-31.6	23.15	40	-16.85	172	137	V
4	46.3822	33.16	Qp	15.1	-31.4	16.86	40	-23.14	128	127	V
3	46.8857	26.23	Qp	14.8	-31.2	9.83	40	-30.17	90	380	H
5	77.9694	28.19	Qp	13.6	-31.2	10.59	40	-29.41	88	218	H
6	78.113	26.46	Qp	13.6	-31.2	8.86	40	-31.14	275	165	V

Qp - Quasi-Peak detector

9.4.4 ISED TX SPURIOUS EMISSION (30 - 1000 MHz)



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	202301 ACF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuV/m)	RSS-216 Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	30.8658	36.61	Qp	26.4	-31.5	-10.5	21.01	30	-8.99	264	101	V
1	31.0819	22.24	Qp	26.2	-31.5	-10.5	6.44	30	-23.56	24	254	H
4	39.9917	36.76	Qp	19.6	-31.4	-10.5	14.46	30	-15.54	16	191	V
3	40.1651	27.95	Qp	19.5	-31.4	-10.5	5.55	30	-24.45	72	206	H
5	45.0033	33.79	Qp	15.9	-31.3	-10.5	7.89	30	-22.11	62	365	H
6	45.0161	39.23	Qp	15.9	-31.3	-10.5	13.33	30	-16.67	357	109	V

Qp - Quasi-Peak detector

10 FREQUENCY STABILITY

LIMIT

RSS-216 §The frequency stability requirements with respect to ambient temperature specified in subclause 10.4.2 of ANSI C63.30-2021 shall apply only for WPT source devices intended for outdoor operation. This test shall be performed at the rated power supply voltage and for three ambient temperatures: -20°C, +20°C and +50°C.

The frequency stability with respect to power supply voltage shall apply to all WPT source devices.

TEST PROCEDURE

ANSI C63.30-2021 Clause 10.4.2

RESULTS

No non-compliance noted.

ID:	26857	Date:	6/30/2026
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10.1 CONFIGURATION 2: OPERATING MODE W/ LOAD #1 326.5kHz

Temperature (°C)	Voltage	Start Up		@ 2 mins		@ 5 mins		@ 10 mins		Signal Level (dBuA)	Correction Factor*	Corrected Signal Level (dBuA/m)	Limit (dBuA/m)	Within Authorized Frequency Band (based on 99% BW) (Yes or No)	Result (Pass / Fail)
		Freq. Reading (kHz)	Signal Level (dBuA)	Freq. Reading (kHz)	Signal Level (dBuA)	Freq. Reading (kHz)	Signal Level (dBuA)	Freq. Reading (kHz)	Signal Level (dBuA)						
+50°C	Normal	327.11183	52.964	326.46821	44.729	327.07795	44.412	325.99945	44.424	52.9640	-48.6210	4.3430	34.320	Yes	Pass
+20°C (Normal)		326.529127	53.42	326.529106	53.44	326.529073	53.51	326.528764	53.22	53.5110	-48.6210	4.8900		Yes	Pass
-20°C		326.529829	48.54	326.530069	46.07	326.530078	47.54	326.530109	47.34	48.5360	-48.6210	-0.0850		Yes	Pass
+20°C	85% (or manufacturer declared min)	326.529275	52.42	326.529440	52.09	326.529490	51.94	326.529197	51.80	52.4180	-48.6210	3.797	34.320	Yes	Pass
	115% (or manufacturer declared max)	326.529154	52.58	326.529103	52.61	326.529067	52.67	326.529026	52.74	52.7420	-48.6210	4.121		Yes	Pass

*Note: Field strength at 3m at nominal temperature of 20°C was H-Filed dBuA/m. Correction factor is the difference between the signal level measured in the environment chamber using the small loop antenna at nominal temperature and the field strength, H-dBuA/m, measured at 3m.

10.2 CONFIGURATION 3: OPERATING MODE W/ LOAD #2 326.5kHz

Temperature (°C)	Voltage	Start Up		@ 2 mins		@ 5 mins		@ 10 mins		Signal Level (dBuA)	Correction Factor*	Corrected Signal Level (dBuA/m)	Limit (dBuA/m)	Within Authorized Frequency Band (based on 99% BW) (Yes or No)	Result (Pass / Fail)
		Freq. Reading (kHz)	Signal Level (dBuA)	Freq. Reading (kHz)	Signal Level (dBuA)	Freq. Reading (kHz)	Signal Level (dBuA)	Freq. Reading (kHz)	Signal Level (dBuA)						
+50°C	Normal	326.52902	27.485	326.52904	27.578	326.52893	27.477	326.52947	27.292	27.5780	-34.2810	-6.7030	34.320	Yes	Pass
+20°C (Normal)		326.529078	27.95	326.529088	25.52	326.529190	27.93	326.529201	27.95	27.9510	-34.2810	-6.3300		Yes	Pass
-20°C		326.529130	27.36	326.529133	27.33	326.529098	27.39	326.525804	27.34	27.3860	-34.2810	-6.8950		Yes	Pass
+20°C	85% (or manufacturer declared min)	326.529164	25.61	326.529122	27.95	326.529111	27.95	326.529161	27.94	27.9540	-34.2810	-6.327	34.320	Yes	Pass
	115% (or manufacturer declared max)	326.529159	28.05	326.529175	27.68	326.529152	28.05	326.529154	26.09	28.0490	-34.2810	-6.232		Yes	Pass

*Note: Field strength at 3m at nominal temperature of 20°C was H-Filed dBuA/m. Correction factor is the difference between the signal level measured in the environment chamber using the small loop antenna at nominal temperature and the field strength, H-dBuA/m, measured at 3m.

10.3 CONFIGURATION 4: OPERATING MODE W/ LOAD #3 1.778MHz

Temperature (°C)	Voltage	Start Up		@ 2 mins		@ 5 mins		@ 10 mins		Signal Level (dBuA)	Correction Factor*	Corrected Signal Level (dBuA/m)	Limit (dBuA/m)	Within Authorized Frequency Band (based on 99% BW) (Yes or No)	Result (Pass / Fail)
		Freq. Reading (MHz)	Signal Level (dBuA)	Freq. Reading (MHz)	Signal Level (dBuA)	Freq. Reading (MHz)	Signal Level (dBuA)	Freq. Reading (MHz)	Signal Level (dBuA)						
+50°C	Normal	1.7777745	6.123	1.777405	6.398	1.7781803	6.573	1.7775385	6.887	6.8870	-14.7680	-7.8810	24.070	Yes	Pass
+20°C (Normal)		1.777770	5.97	1.777769	6.07	1.777769	6.15	1.777769	6.51	6.5080	-14.7680	-8.2600		Yes	Pass
-20°C		1.777774	6.79	1.777774	6.94	1.777774	7.26	1.777774	7.54	7.5440	-14.7680	-7.2240		Yes	Pass
+20°C	85% (or manufacturer declared min)	1.777769	6.56	1.777770	6.58	1.777771	4.72	1.777771	4.67	6.5770	-14.7680	-8.191	24.070	Yes	Pass
	115% (or manufacturer declared max)	1.777769	6.16	1.777769	6.28	1.777769	6.23	1.777769	5.84	6.2810	-14.7680	-8.487		Yes	Pass

*Note: Field strength at 3m at nominal temperature of 20°C was H-Filed dBuA/m. Correction factor is the difference between the signal level measured in the environment chamber using the small loop antenna at nominal temperature and the field strength, H-dBuA/m, measured at 3m.

11 AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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

*Decreases with the logarithm of the frequency.

ISED RSS-216 Section 5.3.2

ISED RSS-216 Table 2

Table 2: Conducted emission limits (AC mains terminals)		
Frequency range (MHz)	Quasi-peak (dBµV)	Average (dBµV)
0.009 – 0.05	110	—
0.05 – 0.15	90 to 80 *	—
0.15 – 0.5	66 to 56 *	56 to 46 *
0.5 – 5	56	46
5 – 30	60	50

Note: The more stringent limit applies at transition frequencies.
* In the 0.05 MHz to 0.15 MHz and 0.15 MHz to 0.5 MHz frequency ranges the limit level in dBµV decreases linearly with the logarithm of frequency

TEST PROCEDURE

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

The receiver is set to a resolution bandwidth of 200Hz for below 150kHz, 9kHz for 150kHz to 30MHz. Peak detection is used unless otherwise noted as quasi-peak or average.

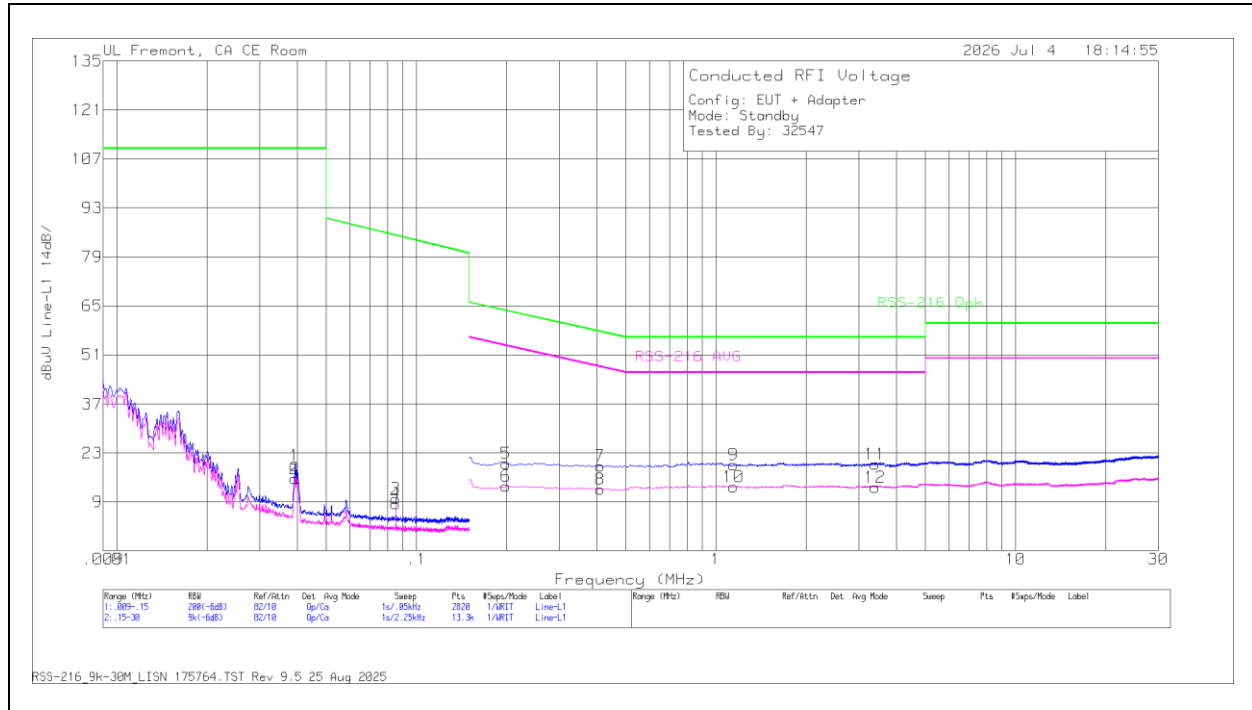
Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

Testing ranges from 9kHz to 30MHz using ISED RSS-216 Table 2 limit to cover both FCC and ISED frequency range.

11.1 CONFIGURATION 1: STANDBY MODE

LINE 1 RESULTS



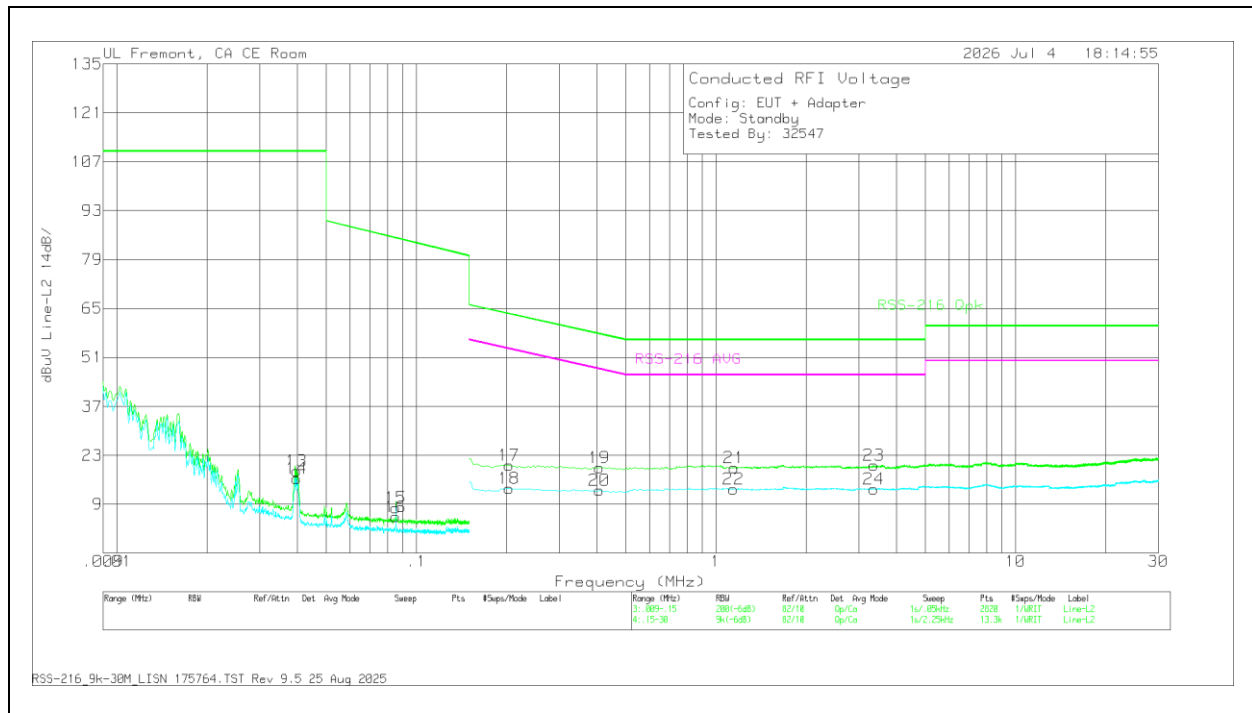
DATA

Range 1: Line-L1 .009 - .15MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBuV	RSS-216 Qpk (dBuV)	Margin (dB)
2	.0393	-5.06	Ca	.5	0	10.3	10	15.74	-	-
4	.0853	-11.19	Ca	.1	0	9.6	10	8.51	-	-
1	.0393	-1.36	Qp	.5	0	10.3	10	19.44	110	-90.56
3	.0853	-9.73	Qp	.1	0	9.6	10	9.97	85.14	-75.17

Range 2: Line-L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBuV	RSS-216 Qpk (dBuV)	Margin (dB)	RSS-216 AVG (dBuV)	Margin (dB)
6	.1995	-5.97	Ca	.1	0	9.4	10	13.53	-	-	53.63	-40.1
8	.411	-6.6	Ca	0	0	9.3	10	12.7	-	-	47.63	-34.93
10	1.1423	-6.11	Ca	0	.1	9.4	10	13.39	-	-	46	-32.61
12	3.4013	-6.27	Ca	0	.1	9.4	10	13.23	-	-	46	-32.77
5	.1995	.43	Qp	.1	0	9.4	10	19.93	63.63	-43.7	-	-
7	.411	.04	Qp	0	0	9.3	10	19.34	57.63	-38.29	-	-
9	1.1423	.09	Qp	0	.1	9.4	10	19.59	56	-36.41	-	-
11	3.3945	.3	Qp	0	.1	9.4	10	19.8	56	-36.2	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



DATA

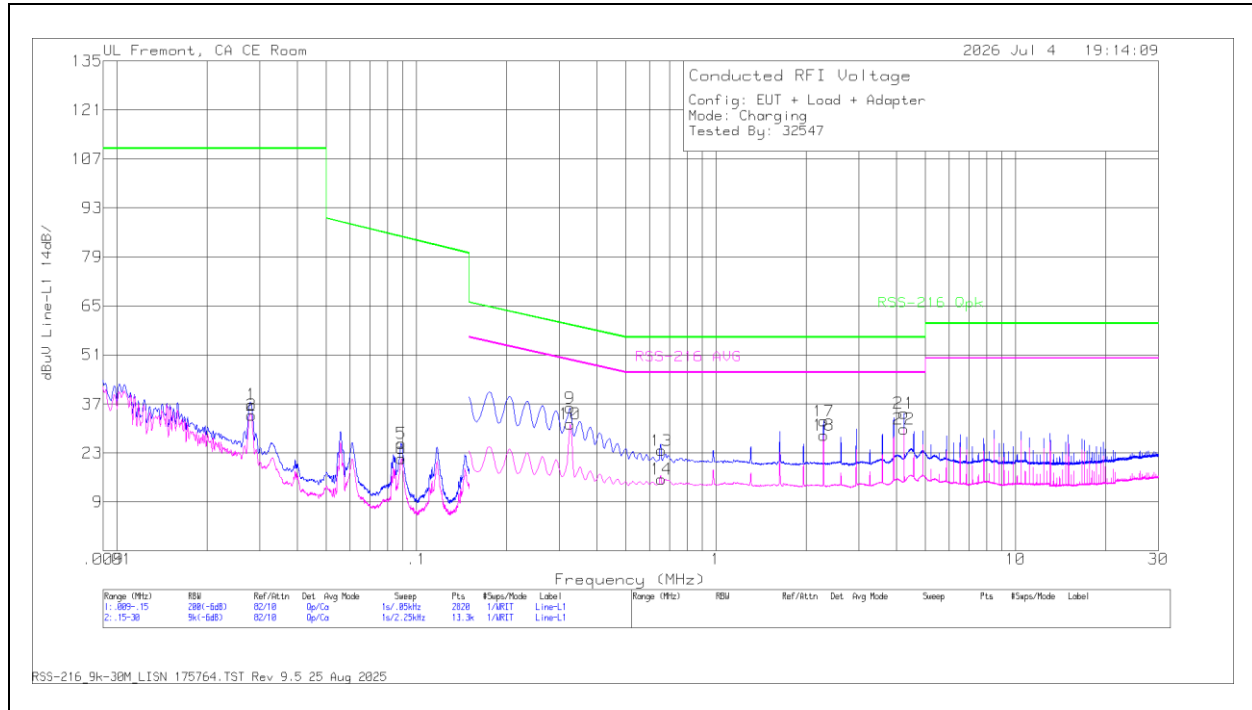
Range 3: Line-L2 .009 - .15MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L2 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBuV	RSS-216 Qpk (dBuV)	Margin (dB)
14	.0398	-4.38	Ca	.5	0	10.3	10	16.42	-	-
16	.0854	-14.41	Ca	.2	0	9.6	10	5.39	-	-
13	.0398	-2.24	Qp	.5	0	10.3	10	18.56	110	-91.44
15	.0854	-11.86	Qp	.2	0	9.6	10	7.94	85.13	-77.19

Range 4: Line-L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L2 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBuV	RSS-216 Qpk (dBuV)	Margin (dB)	RSS-216 AVG (dBuV)	Margin (dB)
18	.204	-5.93	Ca	.1	0	9.4	10	13.57	-	-	53.45	-39.88
20	.4088	-6.3	Ca	0	0	9.3	10	13	-	-	47.67	-34.67
22	1.1445	-6.14	Ca	0	.1	9.4	10	13.36	-	-	46	-32.64
24	3.3675	-6.28	Ca	.1	.1	9.4	10	13.32	-	-	46	-32.68
17	.204	.68	Qp	.1	0	9.4	10	20.18	63.45	-43.27	-	-
19	.4088	.09	Qp	0	0	9.3	10	19.39	57.67	-38.28	-	-
21	1.149	.02	Qp	0	.1	9.4	10	19.52	56	-36.48	-	-
23	3.3698	.5	Qp	.1	.1	9.4	10	20.1	56	-35.9	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

11.2 CONFIGURATION 2: OPERATING MODE W/ LOAD #1 326.5kHz

LINE 1 RESULTS



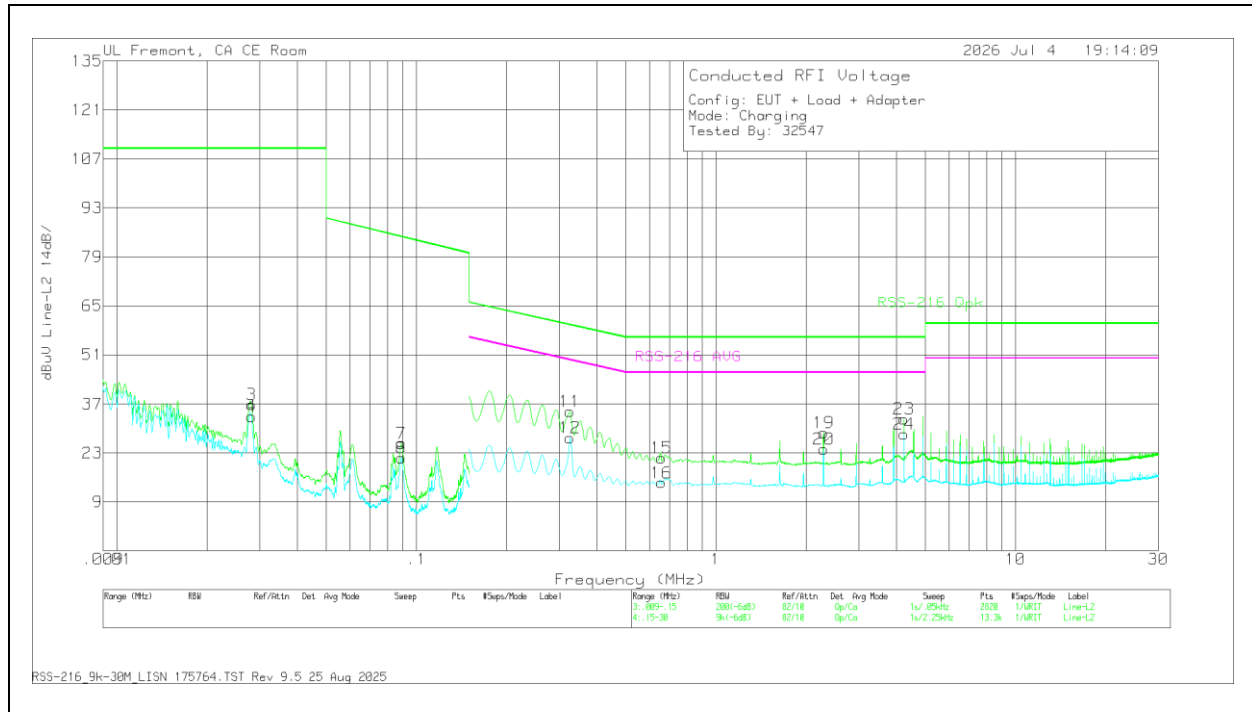
DATA

Range 1: Line-L1 .009 - .15MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBuV	RSS-216 Qpk (dBuV)	Margin (dB)
2	.0281	11.85	Ca	1.2	0	10.7	10	33.75	-	-
6	.0891	1.72	Ca	.1	0	9.6	10	21.42	-	-
1	.0281	14.96	Qp	1.2	0	10.7	10	36.86	110	-73.14
5	.089	6.05	Qp	.1	0	9.6	10	25.75	84.75	-59

Range 2: Line-L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBuV	RSS-216 Qpk (dBuV)	Margin (dB)	RSS-216 AVG (dBuV)	Margin (dB)
10	.3255	11.92	Ca	0	0	9.3	10	31.22	-	-	49.57	-18.35
14	.6563	-3.85	Ca	0	.1	9.3	10	15.55	-	-	46	-30.45
18	2.2853	8.53	Ca	0	.1	9.4	10	28.03	-	-	46	-17.97
22	4.245	10.27	Ca	0	.1	9.4	10	29.77	-	-	46	-16.23
9	.3255	16.54	Qp	0	0	9.3	10	35.84	59.57	-23.73	-	-
13	.6563	4.26	Qp	0	.1	9.3	10	23.66	56	-32.34	-	-
17	2.2853	12.58	Qp	0	.1	9.4	10	32.08	56	-23.92	-	-
21	4.245	14.83	Qp	0	.1	9.4	10	34.33	56	-21.67	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



DATA

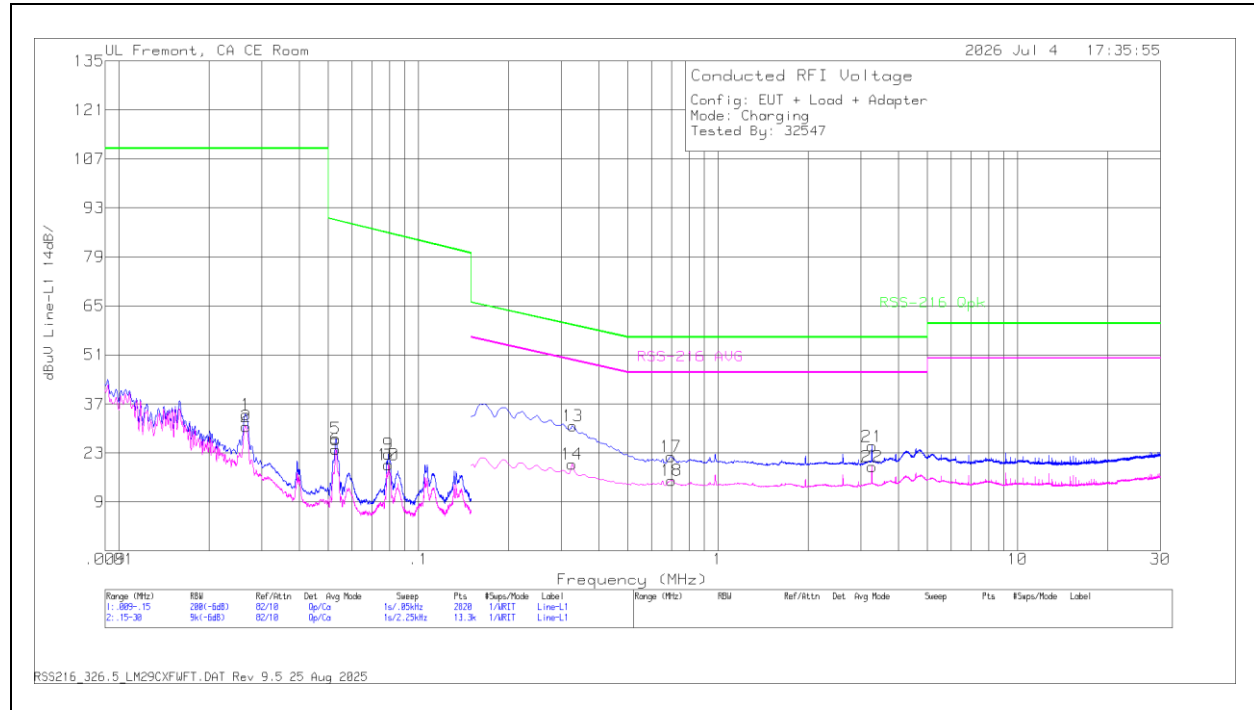
Range 3: Line-L2 .009 - .15MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L2 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBuV	RSS-216 Qpk (dBuV)	Margin (dB)	
4	.0281	11.5	Ca	1.2	0	10.7	10	33.4	-	-	
8	.0891	1.87	Ca	.2	0	9.6	10	21.67	-	-	
3	.0281	14.91	Qp	1.2	0	10.7	10	36.81	110	-73.19	
7	.0891	5.86	Qp	.2	0	9.6	10	25.66	84.74	-59.08	

Range 4: Line-L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L2 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBuV	RSS-216 Qpk (dBuV)	Margin (dB)	RSS-216 AVG (dBuV)	Margin (dB)
12	.3255	7.97	Ca	0	0	9.3	10	27.27	-	-	49.57	-22.3
16	.6563	-4.88	Ca	0	.1	9.3	10	14.52	-	-	46	-31.48
20	2.2853	4.6	Ca	0	.1	9.4	10	24.1	-	-	46	-21.9
24	4.245	8.84	Ca	.1	.1	9.4	10	28.44	-	-	46	-17.56
11	.3255	15.55	Qp	0	0	9.3	10	34.85	59.57	-24.72	-	-
15	.6563	2.19	Qp	0	.1	9.3	10	21.59	56	-34.41	-	-
19	2.2853	9.33	Qp	0	.1	9.4	10	28.83	56	-27.17	-	-
23	4.245	13.09	Qp	.1	.1	9.4	10	32.69	56	-23.31	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

11.3 CONFIGURATION 3: OPERATING MODE W/ LOAD #2 326.5kHz

LINE 1 RESULTS



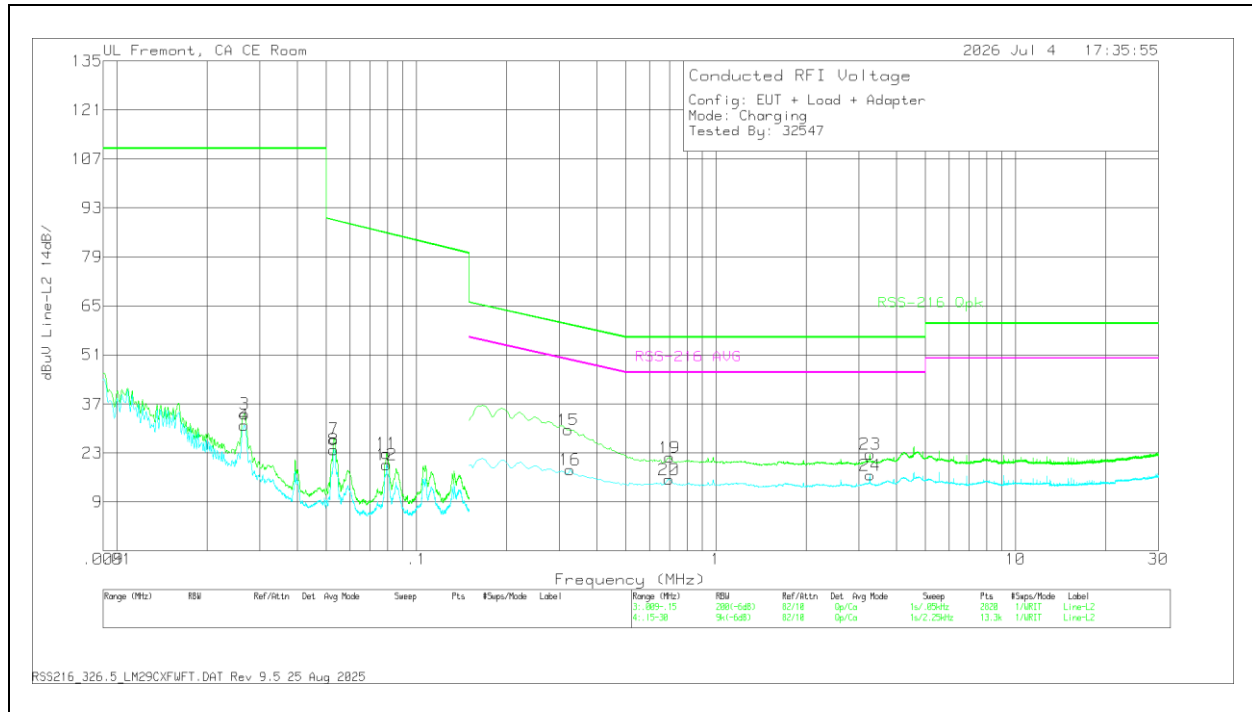
DATA

Range 1: Line-L1 .009 - .15MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBuV	RSS-216 Qpk (dBuV)	Margin (dB)
2	.0266	8.43	Ca	1.3	0	10.8	10	30.53	-	-
6	.053	3.81	Ca	.3	0	9.9	10	24.01	-	-
10	.0795	-.21	Ca	.2	0	9.6	10	19.59	-	-
1	.0266	11.8	Qp	1.3	0	10.8	10	33.9	110	-76.1
5	.053	6.93	Qp	.3	0	9.9	10	27.13	89.47	-62.34
9	.0795	2.85	Qp	.2	0	9.6	10	22.65	85.78	-63.13

Range 2: Line-L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBuV	RSS-216 Qpk (dBuV)	Margin (dB)	RSS-216 AVG (dBuV)	Margin (dB)
14	.3255	.49	Ca	0	0	9.3	10	19.79	-	-	49.57	-29.78
18	.7001	-4.21	Ca	0	.1	9.3	10	15.19	-	-	46	-30.81
22	3.264	-.45	Ca	0	.1	9.4	10	19.05	-	-	46	-26.95
13	.3278	11.49	Qp	0	0	9.3	10	30.79	59.51	-28.72	-	-
17	.6968	2.48	Qp	0	.1	9.4	10	21.98	56	-34.02	-	-
21	3.264	5.41	Qp	0	.1	9.4	10	24.91	56	-31.09	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



DATA

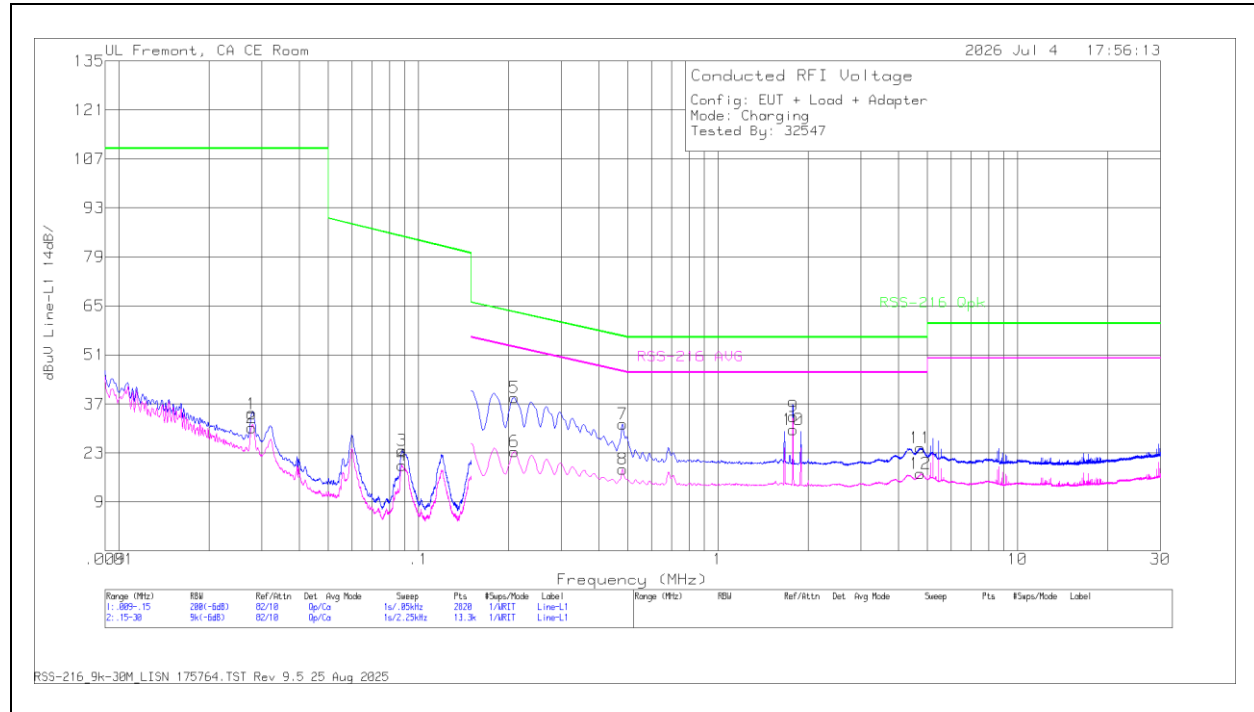
Range 3: Line-L2 .009 - .15MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L2 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBuV	RSS-216 Qpk (dBuV)	Margin (dB)
4	.0266	8.75	Ca	1.3	0	10.8	10	30.85	-	-
8	.053	3.69	Ca	.3	0	9.9	10	23.89	-	-
12	.0795	-2.22	Ca	.2	0	9.6	10	19.58	-	-
3	.0267	12.08	Qp	1.3	0	10.8	10	34.18	110	-75.82
7	.0531	6.85	Qp	.3	0	9.9	10	27.05	89.46	-62.41
11	.0795	3.05	Qp	.2	0	9.6	10	22.85	85.78	-62.93

Range 4: Line-L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L2 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBuV	RSS-216 Qpk (dBuV)	Margin (dB)	RSS-216 AVG (dBuV)	Margin (dB)
16	.3255	-1.12	Ca	0	0	9.3	10	18.18	-	-	49.57	-31.39
20	.6968	-4.09	Ca	0	.1	9.4	10	15.41	-	-	46	-30.59
24	3.264	-2.94	Ca	.1	.1	9.4	10	16.66	-	-	46	-29.34
15	.321	10.18	Qp	0	0	9.4	10	29.58	59.68	-30.1	-	-
19	.699	2.29	Qp	0	.1	9.3	10	21.69	56	-34.31	-	-
23	3.264	3.08	Qp	.1	.1	9.4	10	22.68	56	-33.32	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

11.4 CONFIGURATION 4: OPERATING MODE W/ LOAD #3 1.778MHz

LINE 1 RESULTS



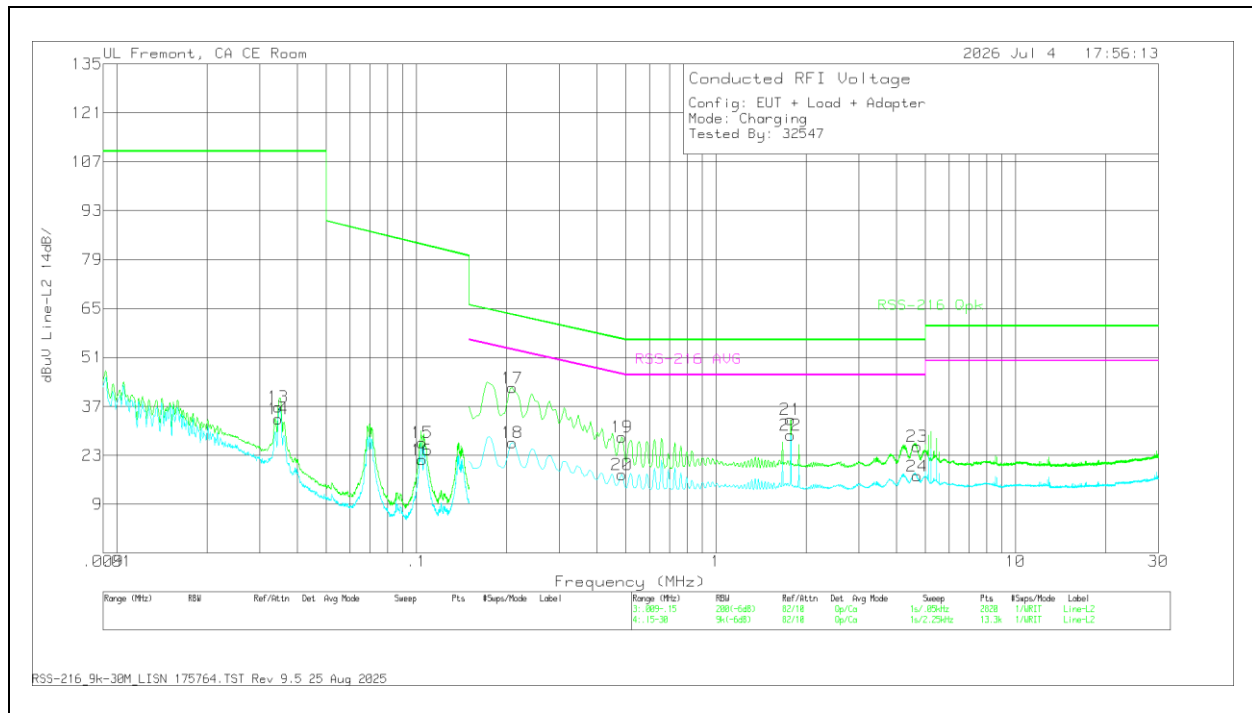
DATA

Range 1: Line-L1 .009 - .15MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBuV	RSS-216 Qpk (dBuV)	Margin (dB)	
2	.0277	8.24	Ca	1.2	0	10.8	10	30.24	-	-	
4	.0882	-1.18	Ca	.1	0	9.6	10	19.52	-	-	
1	.0277	12.07	Qp	1.2	0	10.8	10	34.07	110	-75.93	
3	.0882	4.05	Qp	.1	0	9.6	10	23.75	84.84	-61.09	

Range 2: Line-L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBuV	RSS-216 Qpk (dBuV)	Margin (dB)	RSS-216 AVG (dBuV)	Margin (dB)
6	.2085	3.96	Ca	0	0	9.4	10	23.36	-	-	53.26	-29.9
8	.4808	-9.5	Ca	0	0	9.3	10	18.35	-	-	46.33	-27.98
10	1.7813	10.09	Ca	0	.1	9.4	10	29.59	-	-	46	-16.41
12	4.7479	-2.34	Ca	0	.1	9.4	10	17.16	-	-	46	-28.84
5	.2085	19.43	Qp	0	0	9.4	10	38.83	63.26	-24.43	-	-
7	.4808	12.01	Qp	0	0	9.3	10	31.31	56.33	-25.02	-	-
9	1.7813	13.99	Qp	0	.1	9.4	10	33.49	56	-22.51	-	-
11	4.7423	4.97	Qp	0	.1	9.4	10	24.47	56	-31.53	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



DATA

Range 3: Line-L2 .009 - .15MHz										
Marker	Frequency (MHz)	Meter Reading (dBUV)	Det	175764 LISN L2 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBUV	RSS-216 Qpk (dBUV)	Margin (dB)
14	.0346	12.38	Ca	.7	0	10.4	10	33.48	-	-
16	.1044	2.09	Ca	.1	0	9.5	10	21.69	-	-
13	.0346	15.7	Qp	.7	0	10.4	10	36.8	110	-73.2
15	.1044	7	Qp	.1	0	9.5	10	26.6	83.3	-56.7

Range 4: Line-L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBUV)	Det	175764 LISN L2 (dB)	Cbl (dB)	Line 1 C3_C1_plus Limiter (dB)	10dB Atten (dB)	Corrected Reading dBUV	RSS-216 Qpk (dBUV)	Margin (dB)	RSS-216 AVG (dBUV)	Margin (dB)
18	.2085	7.12	Ca	.1	0	9.4	10	26.62	-	-	53.26	-26.64
20	.4853	-1.86	Ca	0	0	9.4	10	17.54	-	-	46.25	-28.71
22	1.7768	9.28	Ca	0	.1	9.4	10	28.78	-	-	46	-17.22
24	4.6928	-2.67	Ca	.1	.2	9.4	10	17.03	-	-	46	-28.97
17	.2085	22.79	Qp	.1	0	9.4	10	42.29	63.26	-20.97	-	-
19	.4853	8.81	Qp	0	0	9.4	10	28.21	56.25	-28.04	-	-
21	1.7768	13.76	Qp	0	.1	9.4	10	33.26	56	-22.74	-	-
23	4.695	5.87	Qp	.1	.2	9.4	10	25.57	56	-30.43	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

12 SETUP PHOTOS

Please refer to 16396145-EP1V1 for setup photos.

END OF TEST REPORT