

TEST REPORT

Report Number : 15881588-E1V2

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

Model : A3502

FCC ID : BCGA3502

IC : 579C-A3502

EUT Description : WIRELESS CHARGER

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:
2025-07-22

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2025/07/15	Initial Issue	John Allen Bautista
V2	2025/07/22	Updated sections 9 & 10. Updated markers for 9.2.1	Tri Pham

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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	A3502		
Brand	APPLE		
EUT Description	Wireless Charger		
SERIAL NUMBER	DJK0MQ4KX9		
SAMPLE RECEIPT DATE	2025/04/25		
DATE TESTED	MAY 23, 2025 TO JULY 16, 2025		
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
- 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

*Note: The use of ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 does not deviate from the testing procedures of ANSI C63.10-2020.

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 charger which inductively charge other wireless charging devices. The charging function operates at 127.7kHz and 360kHz. The charger supports passive NFC tag operation

6.2. MAXIMUM E-FIELD and H-FIELD

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

Fundamental Frequency (kHz)	Mode	E-field (300m distance) FCC (dBμV/m)	H-field (3m distance) IC (dBμA/m)
127.7	Operating	-18.89	10.84
360		-17.35	15.58
--	Standby	-42.68	-10.89

6.3. WORST-CASE CONFIGURATION AND MODE

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

1. The EUT was tested on standby and operation modes. During operational mode, EUT was tested with load.
2. 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 (LOAD #1) • EUT w/ 127.7 kHz Fundamental	EUT powered by AC/DC Adapter via USB-C connector with a Load at charging mode
3	Operating (LOAD #2) • EUT w/ 360 kHz Fundamental	EUT powered by AC/DC Adapter via USB-C connector with a Load at charging mode

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.

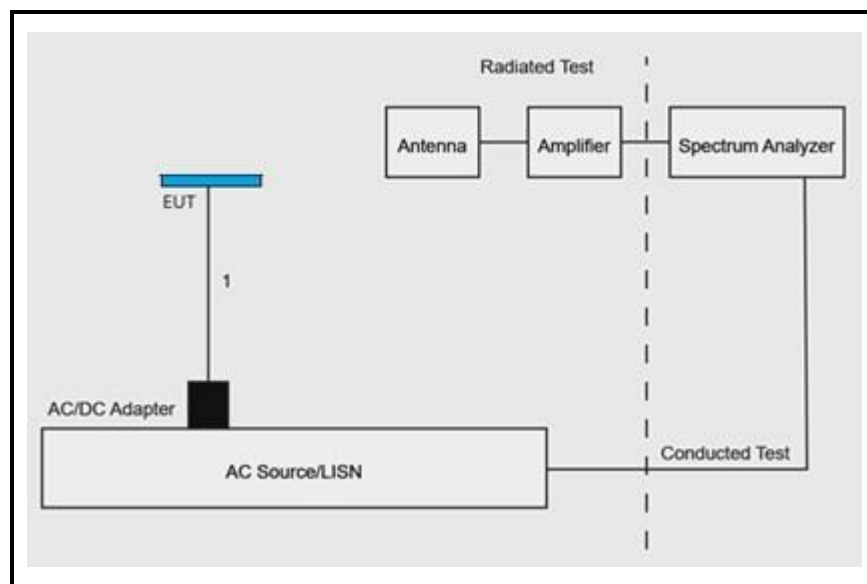
For below 30MHz testing, investigation was done on three antenna orientations: RX antenna Face-On, Face-Off and Horizontal (parallel to ground). The worst-case configurations were determined on RX antenna Face-On and Face-Off; therefore, all final tests were performed using these two orientations.

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.

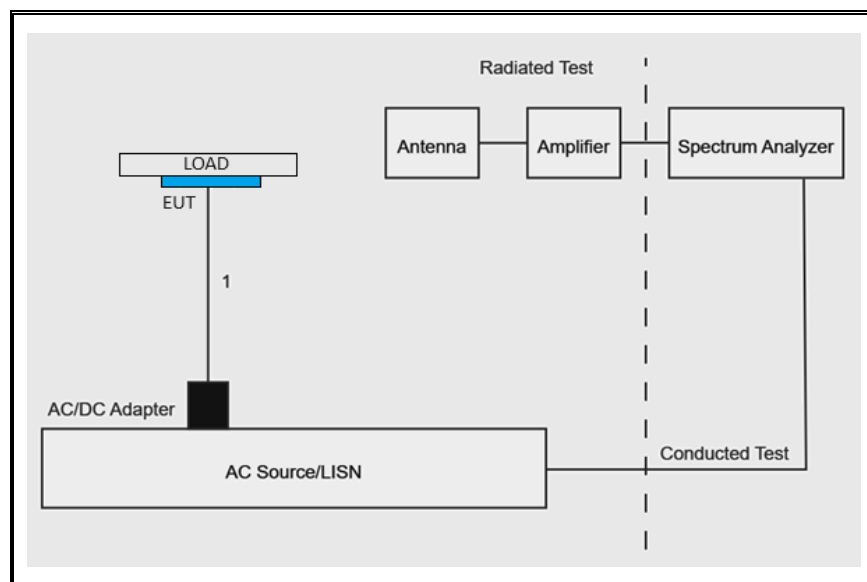
6.4. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT & PERIPHERALS LIST				
Description	Manufacturer	Model	Serial Number	FCC ID
AC/DC adapter	Apple	A2166	C4H95140856L4YQAN	N/A
Load #1	Apple	N/A	Y96KLV7MXR	N/A
Load #2	Apple	N/A	PXKVXWV24P	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	2025/09/30
Antenna, Passive Loop 100KHz to 30MHz	Electro-Metrics	EM-6872	170015	2025/09/30
Amplifier, 9kHz to 1GHz, 32dB	Sonoma Instrument	310N	222362	2026/06/30
Antenna, Broadband Hybrid, 30MHz to 2000MHz w/4dB	Sunol Sciences Corp.	JB3	173997	2026/03/31
Sniffer Probes	Electro Metrics	EM-6992	N/A	N/A
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent (Keysight) Technologies	N9030A-544	85213	2026/01/31

AC Line Conducted				
Description	Manufacturer	Model	ID Num	Cal Due
EMI TEST RECEIVER 9kHz - 3.6GHz	Rohde & Schwarz	ESR	171646	2026-02-28
LISN for Conducted Emissions	Fischer Custom Communications, Inc	FCC-LISN-50/250-25-2-01-480V	175765	2026-01-31
Transient Limiter	TE	TBFL1	207996	2025-09-30
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	

8. OCCUPIED BANDWIDTH

TEST PROCEDURE

The transmitter output is connected to the spectrum analyzer. The RBW is set to 300Hz. The VBW is set to 3 times the RBW. The sweep time is coupled. The spectrum analyzer internal 99% bandwidth function is utilized.

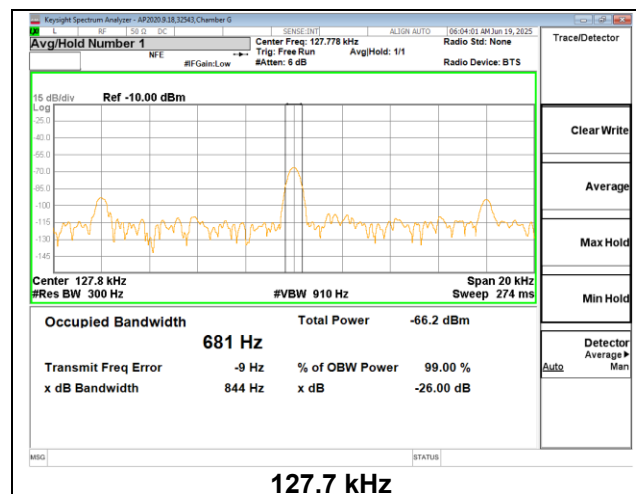
Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.

RESULTS

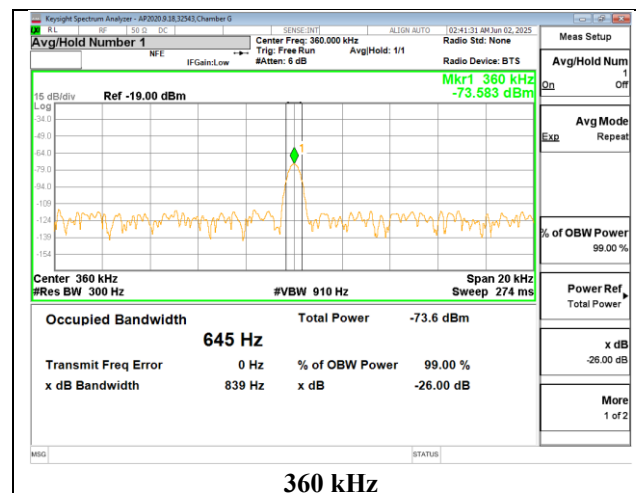
Configuration 1: Charger with Load #1 in operating mode, transmitting at 127.7 kHz

Configuration 2: Charger with Load #2 in operating mode, transmitting at 360 kHz

CONFIGURATION 1



CONFIGURATION 2



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.	

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

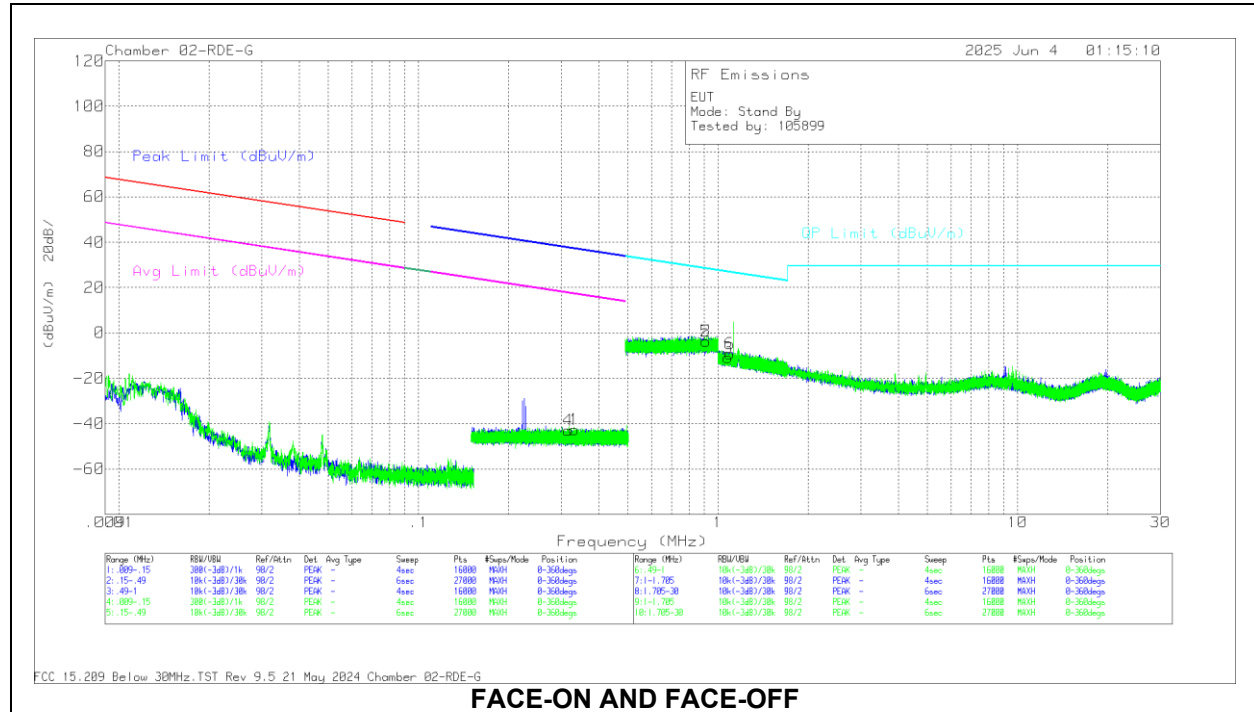
Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

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

RESULTS

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(ACF) (dB/m)	Loop Path 30Hz-1MHz (dB)	Dist Corr 300m (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
4	.3163	12.75	Pk	56.3	-32	-80	-42.95	37.61	-80.56	17.61	-60.56	0-360	Face-off
1	.332	13.02	Pk	56.3	-32	-80	-42.68	37.19	-79.87	17.19	-59.87	0-360	Face-on

Pk - Peak detector

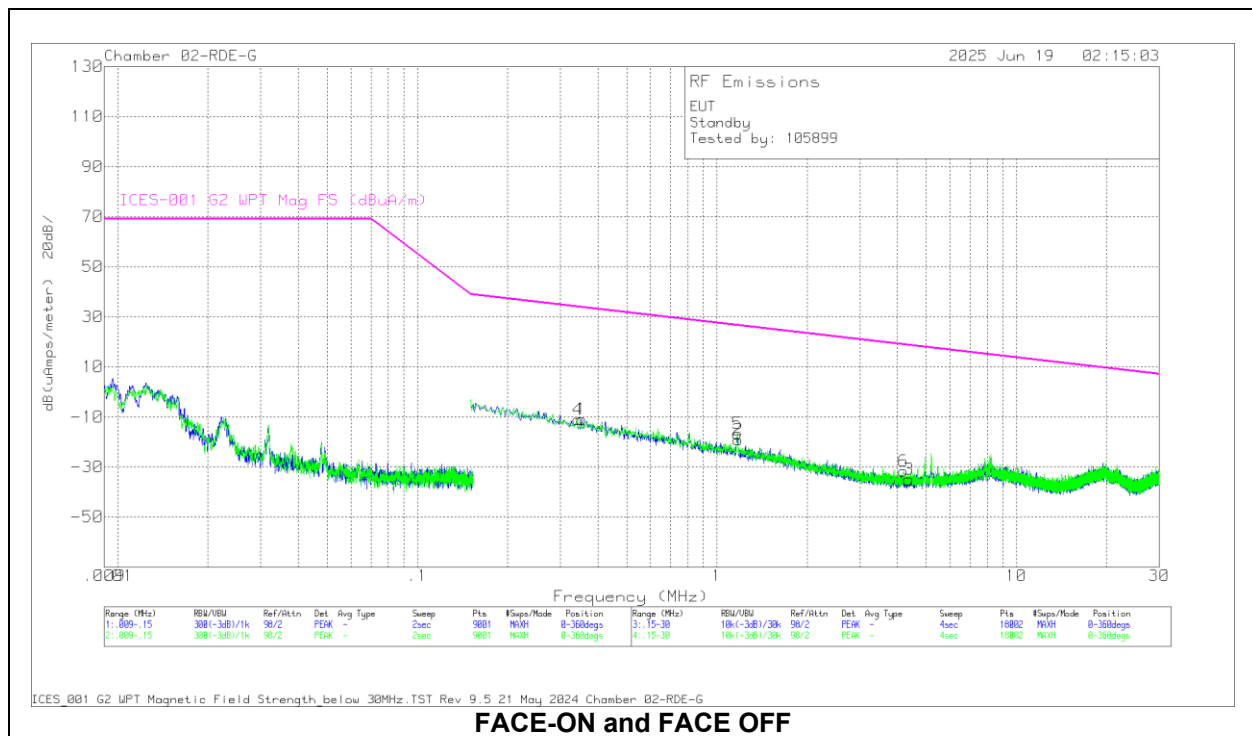
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF) (dB/m)	Loop Path 30Hz-1MHz (dB)	Dist Corr 30m (dB)	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
2	.9125	11.73	Pk	56.4	-31.9	-40	-3.77	28.41	-32.18	0-360	Face-on
5	.9125	11.8	Pk	56.4	-31.9	-40	-3.7	28.41	-32.11	0-360	Face-off

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF) (dB/m)	Loop Path 100kHz-30MHz (dB)	Dist Corr 30m (dB)	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
3	1.0796	14.61	Pk	46.4	-32	-40	-10.99	26.96	-37.95	0-360	Face-on
6	1.0961	16.46	Pk	46.3	-31.9	-40	-9.14	26.83	-35.97	0-360	Face-off

Pk - Peak detector

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

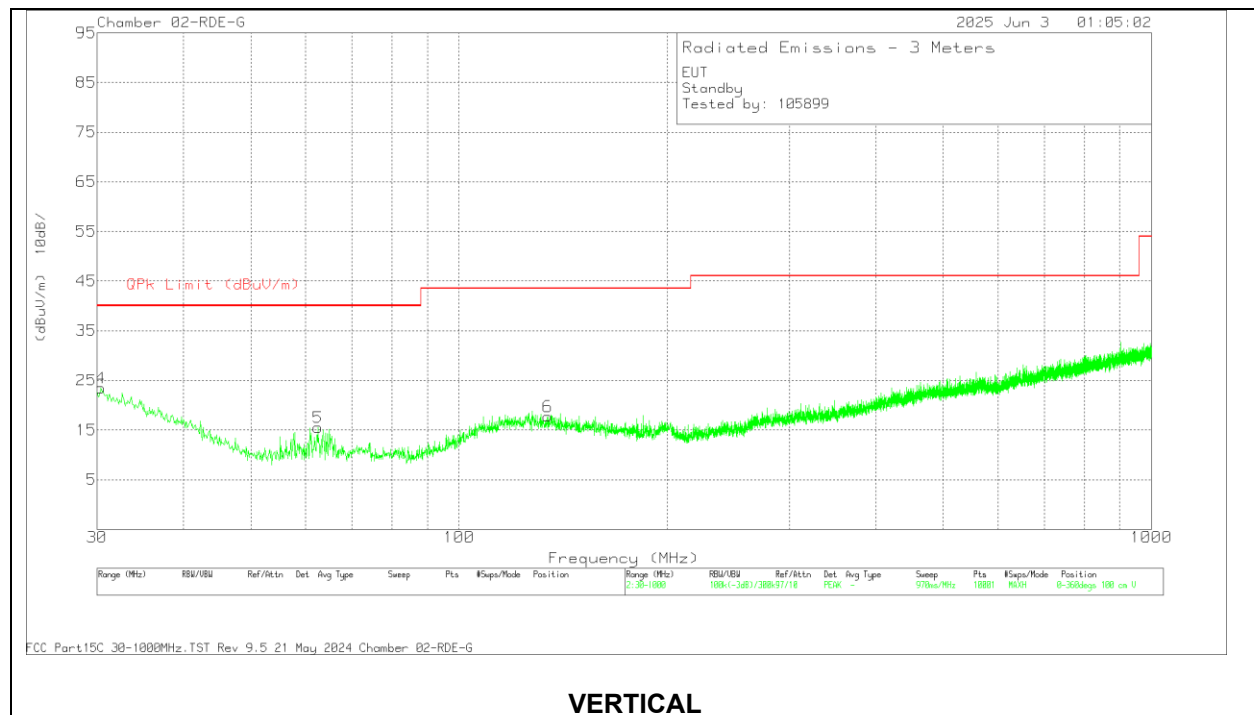
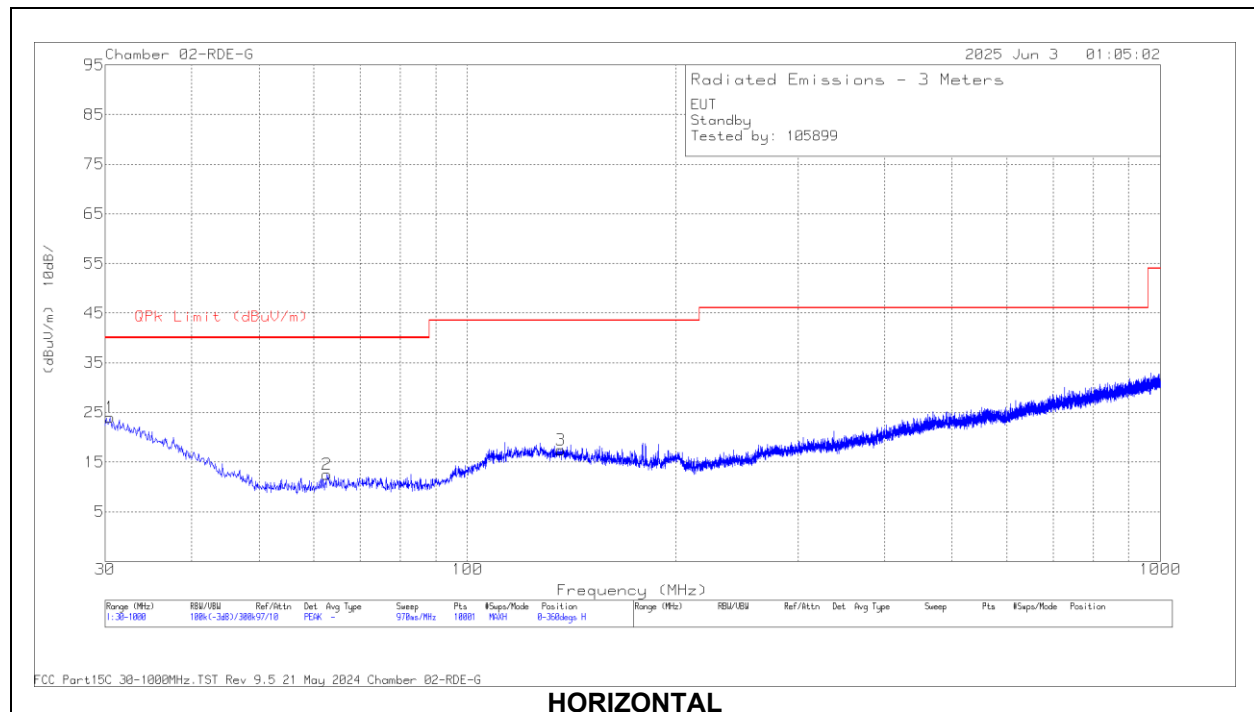


DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna H(ACF) (dB/m)	Loop Path 100kHz-30MHz	Corrected Reading dB(uAmps/meter)	RSS-216 G2 WPT Mag FS (dBuA/m)	Margin (dB)	Azimuth (Degs)	Polarity
4	.344	17.21	Pk	3.8	-32.1	-11.09	33.99	-45.08	0-360	Face-off
1	.3539	17.61	Pk	3.6	-32.1	-10.89	33.82	-44.71	0-360	Face-on
5	1.1713	20.93	Pk	-5.6	-32	-16.67	26.59	-43.26	0-360	Face-off
2	1.1763	18.48	Pk	-5.6	-32	-19.12	26.56	-45.68	0-360	Face-on
6	4.1988	14.61	Pk	-14.5	-31.8	-31.69	18.88	-50.57	0-360	Face-off
3	4.3713	11.51	Pk	-14.7	-31.8	-34.99	18.63	-53.62	0-360	Face-on

Pk - Peak detector

9.1.3. FCC TX SPURIOUS EMISSION (30 - 1000 MHz)



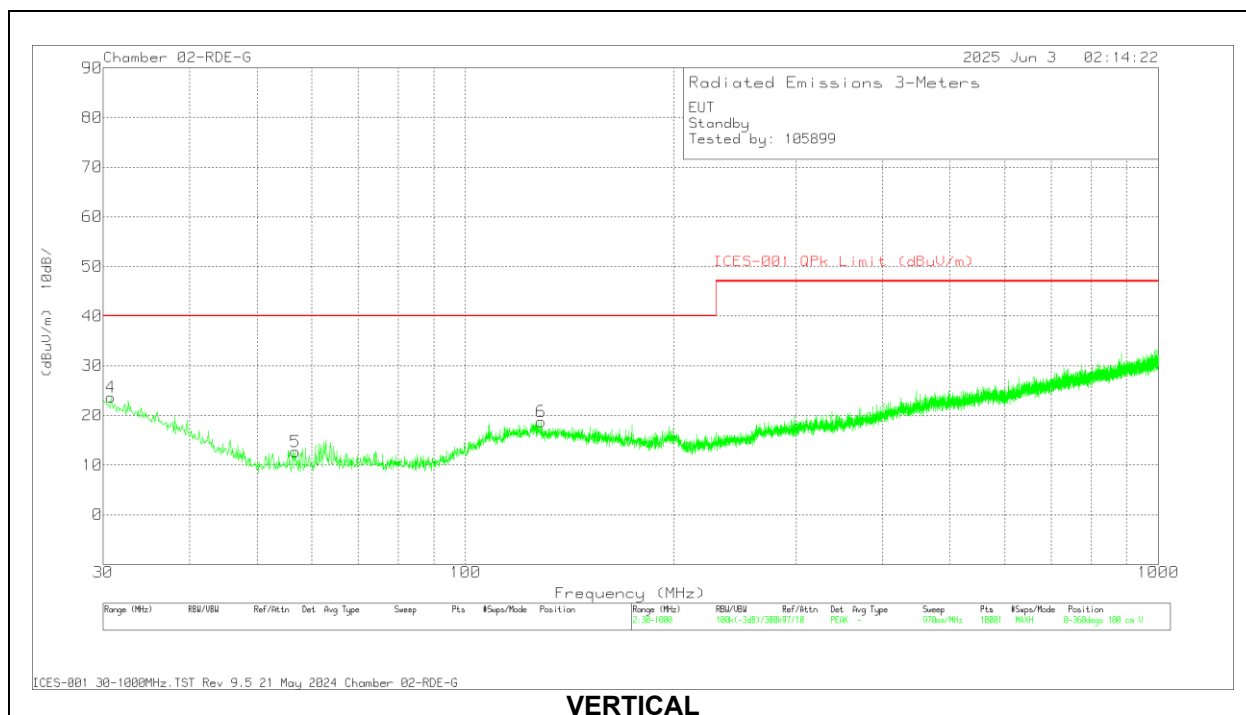
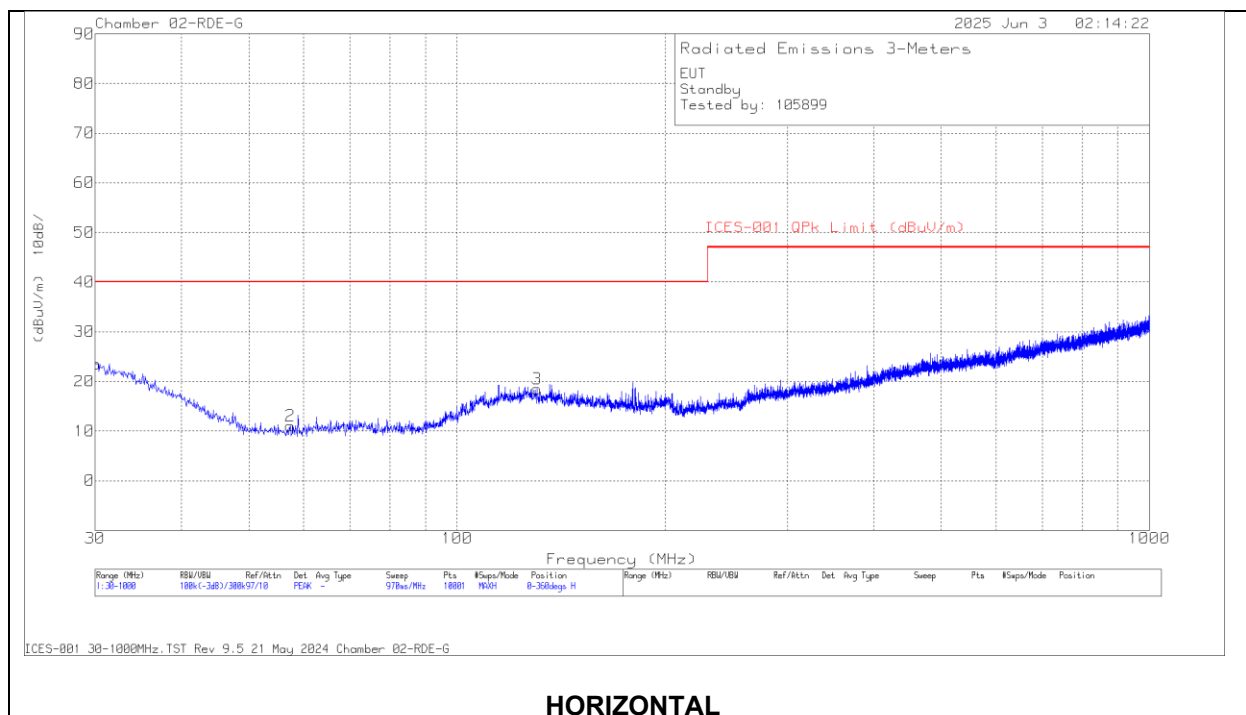
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	173997 ACF (dB/m)	CBL (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.4845	21.38	Qp	26.4	-31.1	16.68	40	-23.32	53	112	H
2	62.945	22.01	Qp	13.6	-30.5	5.11	40	-34.89	121	271	H
3	* 135.817	21.02	Qp	19.2	-29.6	10.62	43.52	-32.9	16	361	H
4	31.263	21.15	Qp	25.8	-31.1	15.85	40	-24.15	319	253	V
5	63.875	23.47	Qp	13.7	-30.7	6.47	40	-33.53	354	122	V
6	* 136.63	21.12	Qp	19.2	-29.6	10.72	43.52	-32.8	266	194	V

* - 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

Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	173997 ACF (dB/m)	CBL (dB)	Corrected Reading (dBuV/m)	RSS-216 QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.3431	21.38	Qp	26.5	-31.1	16.78	40	-23.22	344	125	H
2	57.2624	21.15	Qp	13.2	-30.9	3.45	40	-36.55	154	159	H
3	132.819	20.66	Qp	19.4	-29.8	10.26	40	-29.74	125	316	H
4	32.0228	20.98	Qp	25.4	-31	15.38	40	-24.62	108	382	V
5	57.504	22.73	Qp	13.2	-30.8	5.13	40	-34.87	278	114	V
6	126.297	21.16	Qp	19.7	-29.7	11.16	40	-28.84	51	104	V

Qp - Quasi-Peak detector

Note: The original data collected based on the old limit at 3m distance

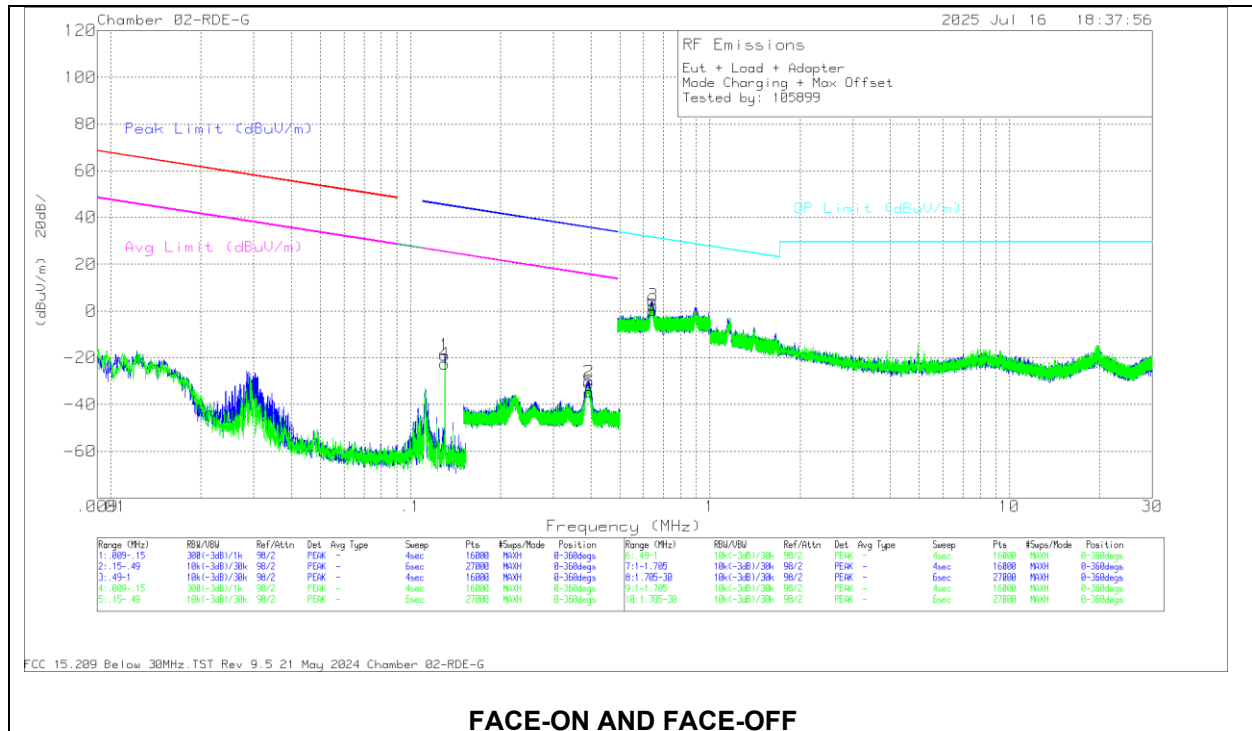
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	173997 ACF (dB/m)	Hybrid Path 30MHz-1000MHz (dB)	Dist Corr 10m (dB)	Corrected Reading (dBuV/m)	RSS-216 QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Antenna Polarity
1	30.3431	21.38	Qp	26.5	-31.1	-10.46	6.32	30	-23.68	344	125	H
2	57.2624	21.15	Qp	13.2	-30.9	-10.46	-7.01	30	-37.01	154	159	H
3	132.819	20.66	Qp	19.4	-29.8	-10.46	-0.2	30	-30.2	125	316	H
4	32.0228	20.98	Qp	25.4	-31	-10.46	4.92	30	-25.08	108	382	V
5	57.504	22.73	Qp	13.2	-30.8	-10.46	-5.33	30	-35.33	278	114	V
6	126.297	21.16	Qp	19.7	-29.7	-10.46	0.7	30	-29.3	51	104	V

Qp - Quasi-Peak detector

Note: The original data collected at 3m converted at 10m distance.

9.2. CONFIGURATION 2: OPERATING MODE W/ LOAD #1

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



DATA

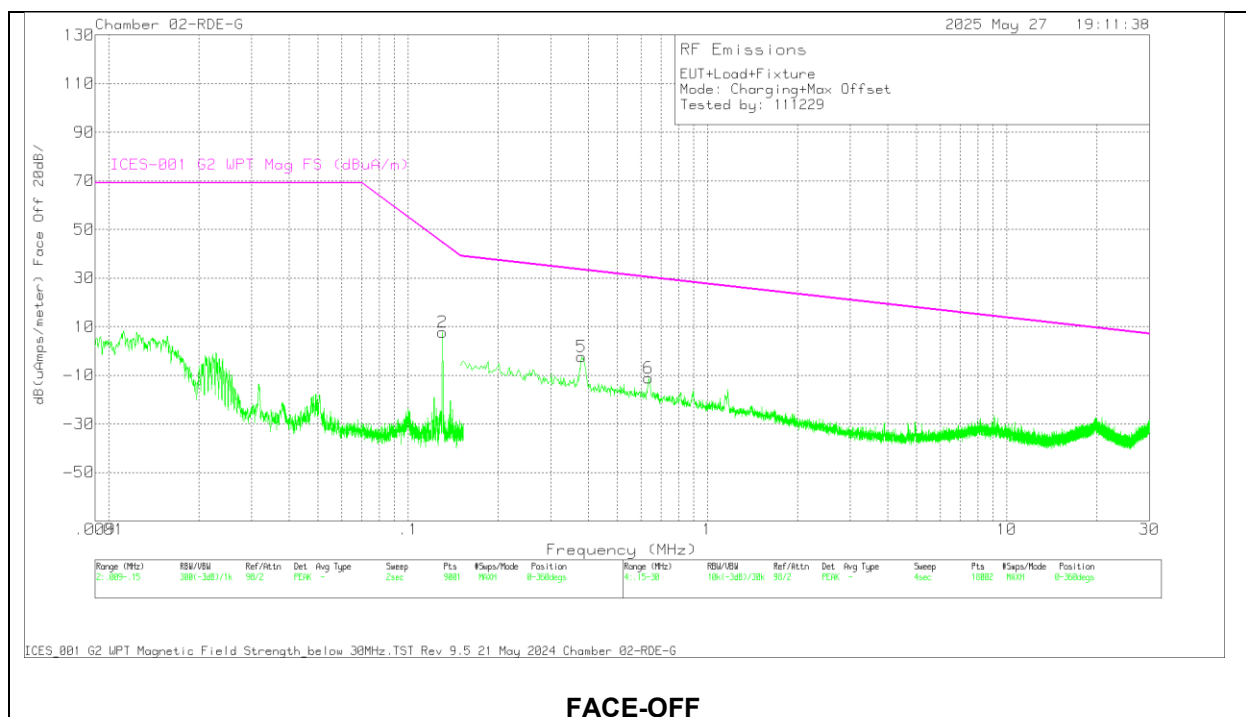
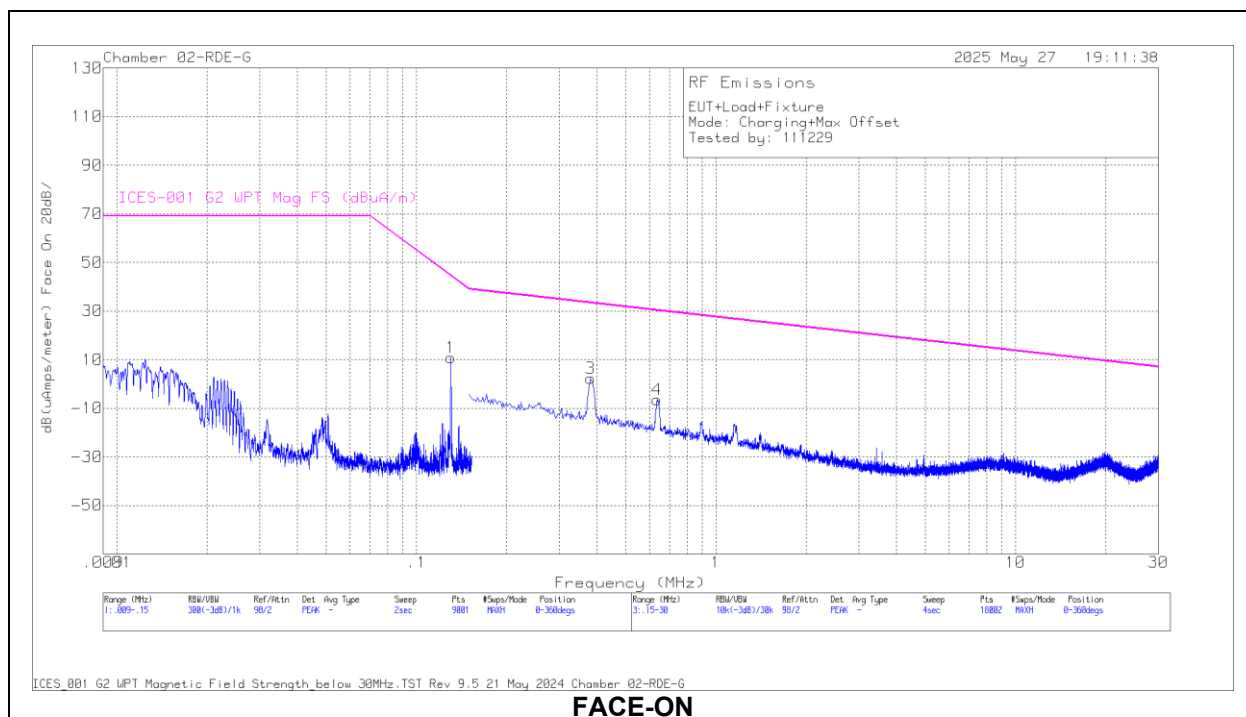
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF) (dB/m)	Loop Path 30Hz-1MHz (dB)	Dist Corr 300m (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.1303	37.21	Pk	55.9	-32	-80	-18.89	45.33	-64.22	25.33	-44.22	0-360	Face-on
4	.1303	33.61	Pk	55.9	-32	-80	-22.49	45.33	-67.82	25.33	-47.82	0-360	Face-off
2	.3944	25.37	Pk	56.3	-32	-80	-30.33	35.69	-66.02	15.69	-46.02	0-360	Face-on
5	.3948	21.29	Pk	56.3	-32	-80	-34.41	35.68	-70.09	15.68	-50.09	0-360	Face-off

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF) (dB/m)	Loop Path 30Hz-1MHz (dB)	Dist Corr 30m	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
6	.6446	15.83	Pk	56.3	-31.9	-40	.23	31.42	-31.19	0-360	Face-off
3	.6459	18.04	Pk	56.3	-31.9	-40	2.44	31.41	-28.97	0-360	Face-on

Pk - Peak detector

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



DATA

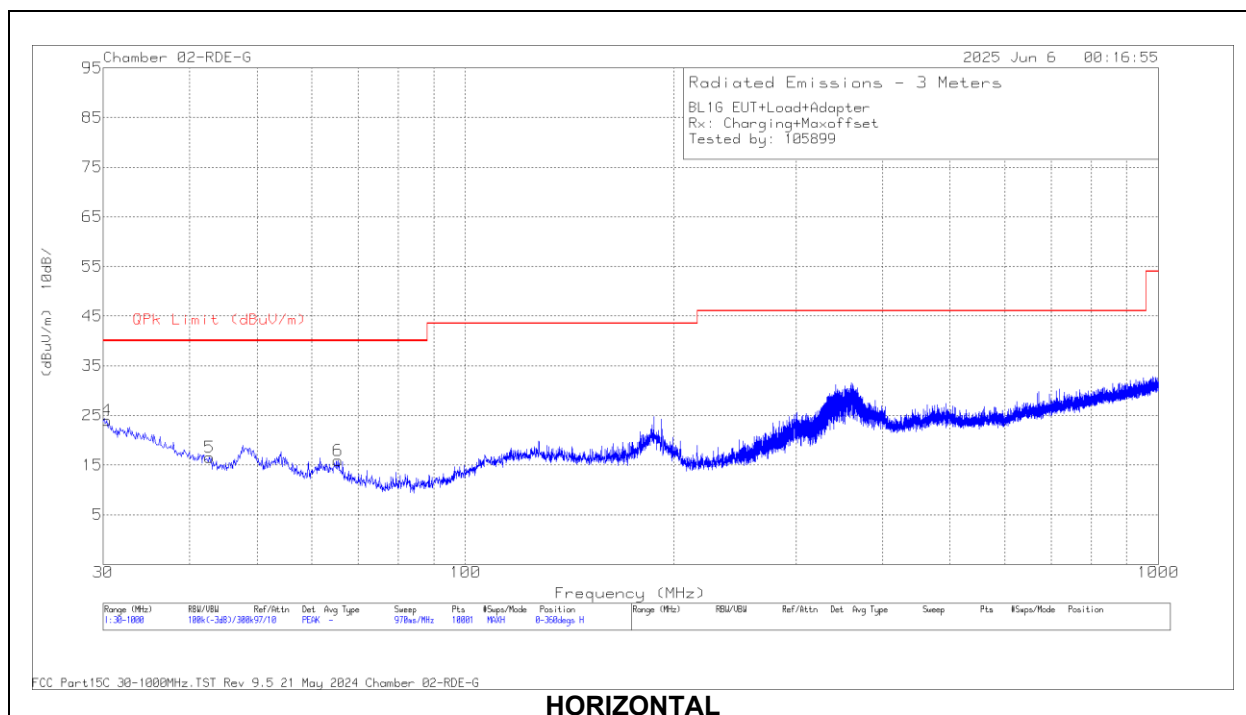
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna H(ACF) (dB/m)	Loop Path 30Hz-1MHz (dB)	Corrected Reading dB(uAmps/meter)	RSS-216 G2 WPT Mag FS (dBuA/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.1303	38.44	Pk	4.4	-32	10.84	44.54	-33.7	0-360	Face-on
2	.1303	35.31	Pk	4.4	-32	7.71	44.54	-36.83	0-360	Face-off

Pk - Peak detector

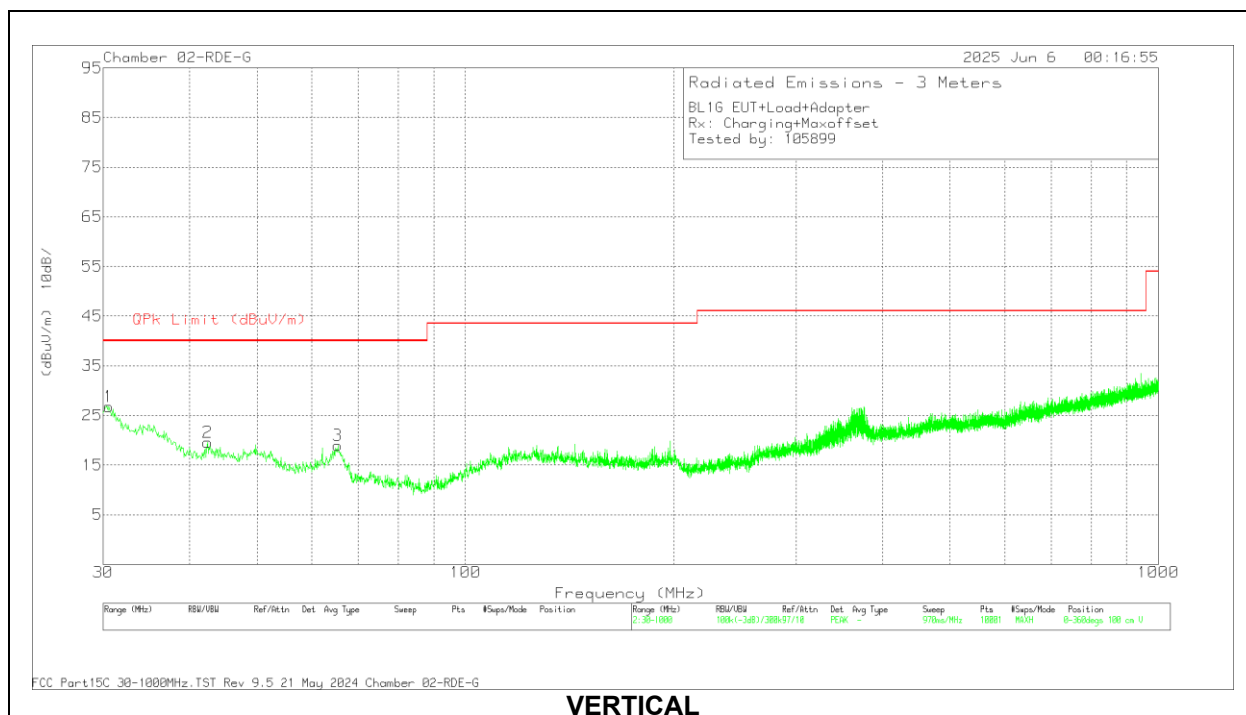
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna H(ACF) (dB/m)	Loop Path 100kHz-30MHz (dB)	Corrected Reading dB(uAmps/meter)	RSS-216 G2 WPT Mag FS (dBuA/m)	Margin (dB)	Azimuth (Degs)	Polarity
5	.3788	26.79	Pk	2.9	-32.1	-2.41	33.41	-35.82	0-360	Face-off
3	.3821	31.56	Pk	2.8	-32.1	2.26	33.35	-31.09	0-360	Face-on
4	.6358	26.9	Pk	-1.2	-32.1	-6.4	30.28	-36.68	0-360	Face-on
6	.6358	22.16	Pk	-1.2	-32.1	-11.14	30.28	-41.42	0-360	Face-off

Pk - Peak detector

9.2.3. FCC TX SPURIOUS EMISSION (30 - 1000 MHz)



HORIZONTAL



VERTICAL

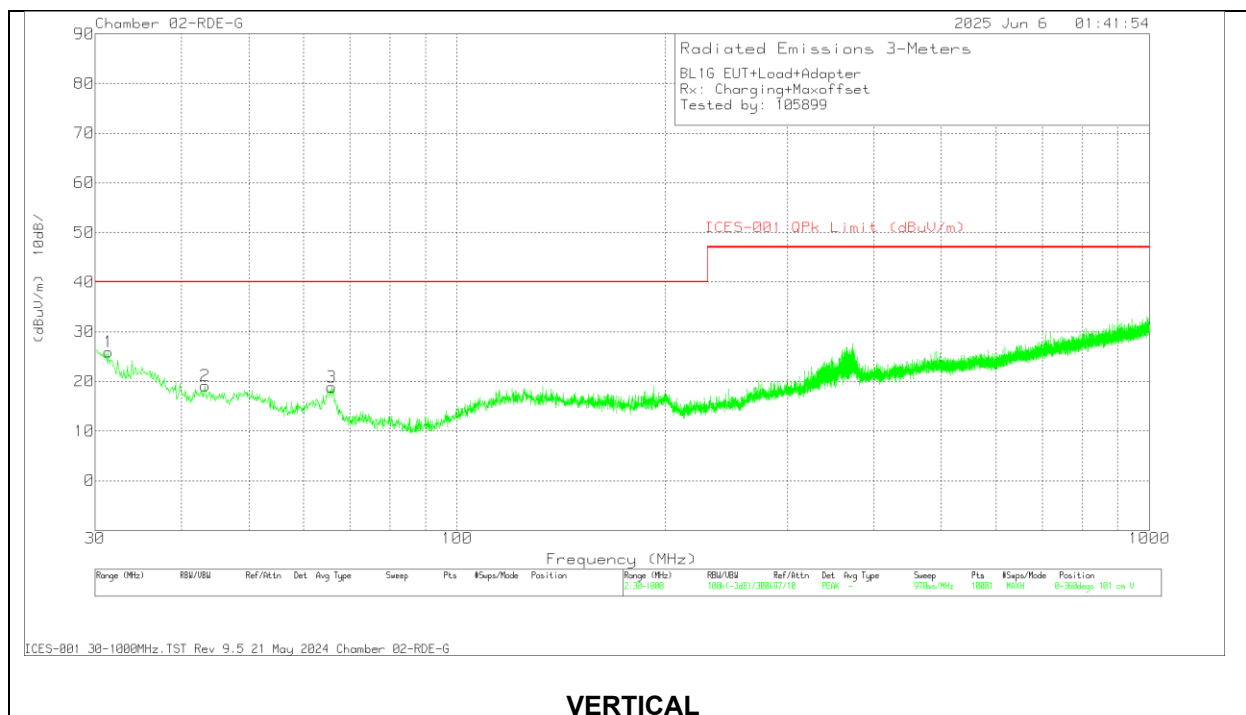
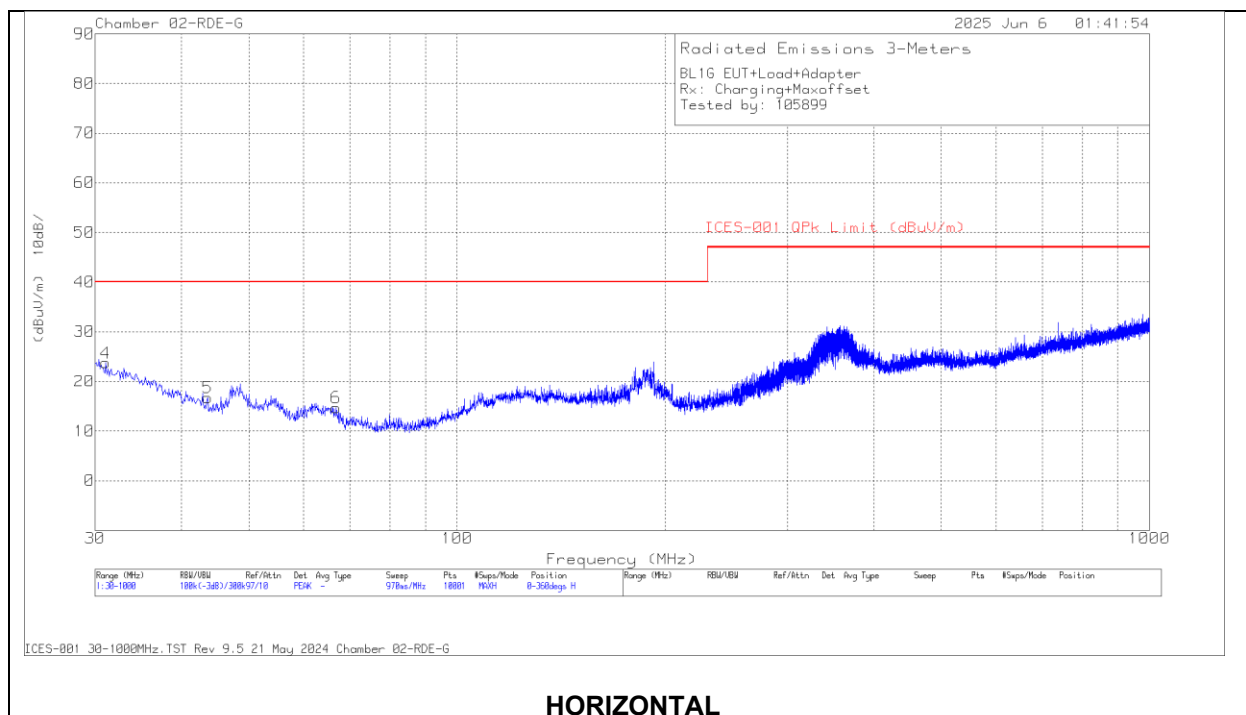
DATA

Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	173997 ACF (dB/m)	CBL (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.2131	26.4	Qp	26.6	-31.1	21.9	40	-18.1	19	107	V
4	30.4518	21.5	Qp	26.4	-31.1	16.8	40	-23.2	1	395	H
2	42.3363	26.18	Qp	18	-30.5	13.68	40	-26.32	24	142	V
5	42.8001	24.27	Qp	17.6	-30.6	11.27	40	-28.73	268	339	H
3	65.38	31.19	Qp	13.8	-30.5	14.49	40	-25.51	228	129	V
6	65.4722	25.6	Qp	13.8	-30.5	8.9	40	-31.1	205	258	H

Qp - Quasi-Peak detector

9.2.4. ISED TX SPURIOUS EMISSION (30 - 1000 MHz)



DATA

Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	173997 ACF (dB/m)	CBL (dB)	Corrected Reading (dBuV/m)	RSS-216 QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	30.8572	21.94	Qp	26.1	-31.2	16.84	40	-23.16	105	223	H
1	30.997	26.59	Qp	26	-31.2	21.39	40	-18.61	344	100	V
5	43.6674	23.56	Qp	17	-31.1	9.46	40	-30.54	225	246	H
2	43.6759	27.93	Qp	17	-31.1	13.83	40	-26.17	79	116	V
3	65.673	31.32	Qp	13.9	-30.6	14.62	40	-25.38	228	108	V
6	66.6963	24.13	Qp	14	-30.7	7.43	40	-32.57	6	201	H

Qp - Quasi-Peak detector

Note: The original data collected based on the old limit at 3m distance

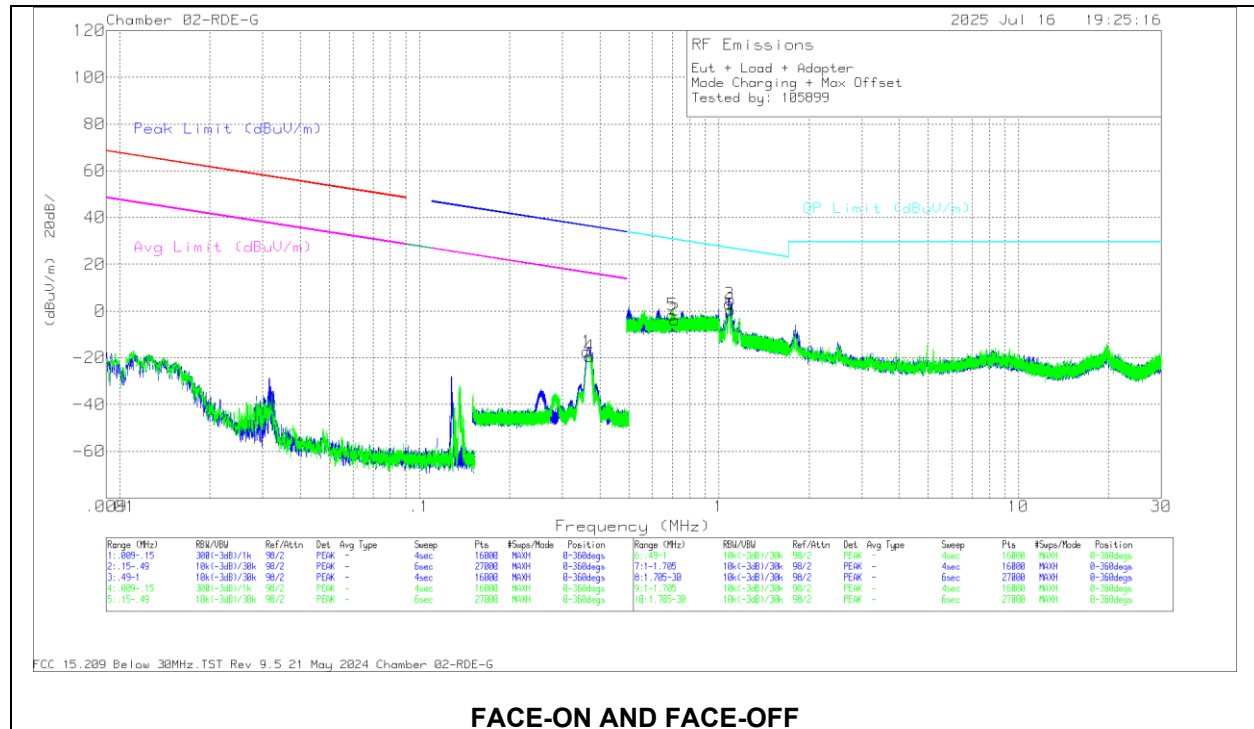
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	173997 ACF (dB/m)	Hybrid Path 30MHz-1000MHz (dB)	Dist Corr 10m (dB)	Corrected Reading (dBuV/m)	RSS-216 QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Antenna Polarity
4	30.8572	21.94	Qp	26.1	-31.2	-10.46	6.38	30	-23.62	105	223	H
1	30.997	26.59	Qp	26	-31.2	-10.46	10.93	30	-19.07	344	100	V
5	43.6674	23.56	Qp	17	-31.1	-10.46	-1	30	-31	225	246	H
2	43.6759	27.93	Qp	17	-31.1	-10.46	3.37	30	-26.63	79	116	V
3	65.673	31.32	Qp	13.9	-30.6	-10.46	4.16	30	-25.84	228	108	V
6	66.6963	24.13	Qp	14	-30.7	-10.46	-3.03	30	-33.03	6	201	H

Qp - Quasi-Peak detector

Note: The original data collected at 3m converted at 10m distance.

9.3. CONFIGURATION 3: OPERATING MODE W/ LOAD #2

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



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF) (dB/m)	Loop Path 30Hz-1MHz (dB)	Dist Corr 300m (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.3626	38.35	Pk	56.3	-32	-80	-17.35	36.42	-53.77	16.42	-33.77	0-360	Face-on
4	.3691	36.29	Pk	56.3	-32	-80	-19.41	36.27	-55.68	16.27	-35.68	0-360	Face-off

Pk - Peak detector

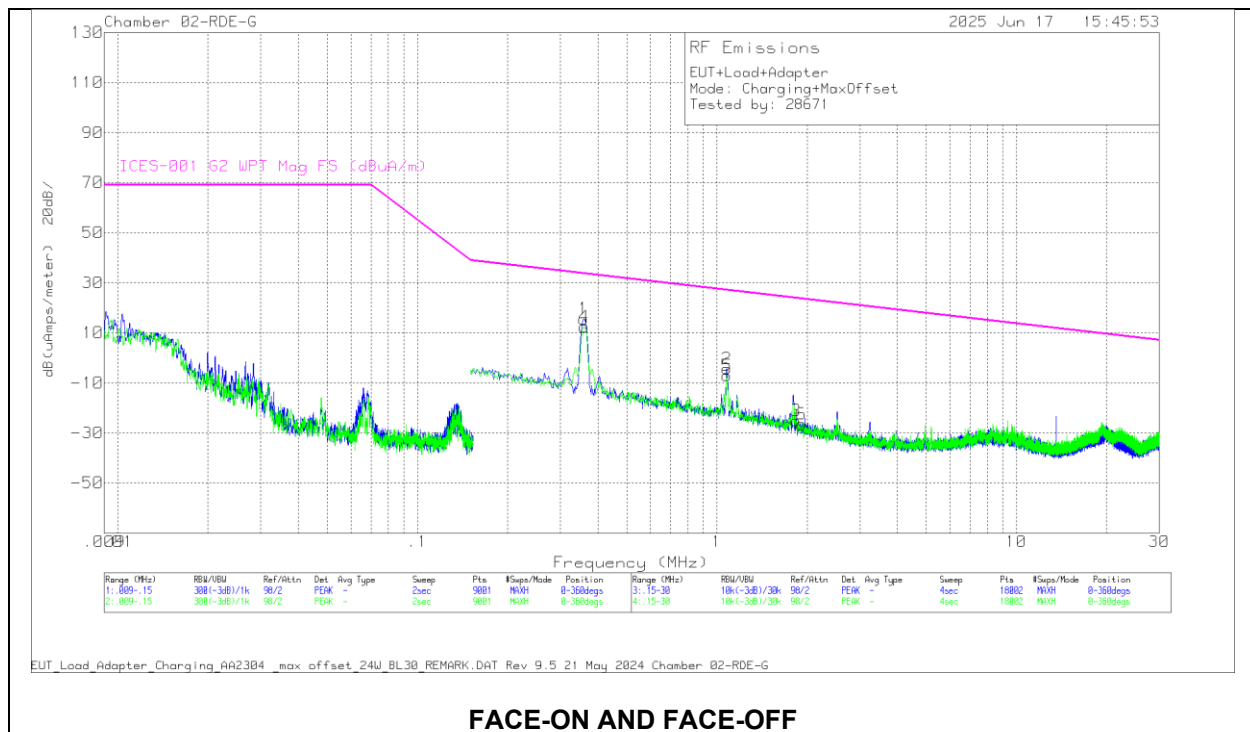
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF) (dB/m)	Loop Path 30Hz-1MHz (dB)	Dist Corr 30m (dB)	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
5	.6992	13.98	Pk	56.3	-31.9	-40	-1.62	30.72	-32.34	0-360	Face-off
2	.7125	11.84	Pk	56.3	-31.9	-40	-3.76	30.56	-34.32	0-360	Face-on

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF) (dB/m)	Loop Path 100kHz-30MHz (dB)	Dist Corr 30m (dB)	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
3	1.0842	28.68	Pk	46.4	-32	-40	3.08	26.92	-23.84	0-360	Face-on
6	1.0954	26.15	Pk	46.3	-31.9	-40	.55	26.83	-26.28	0-360	Face-off

Pk - Peak detector

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



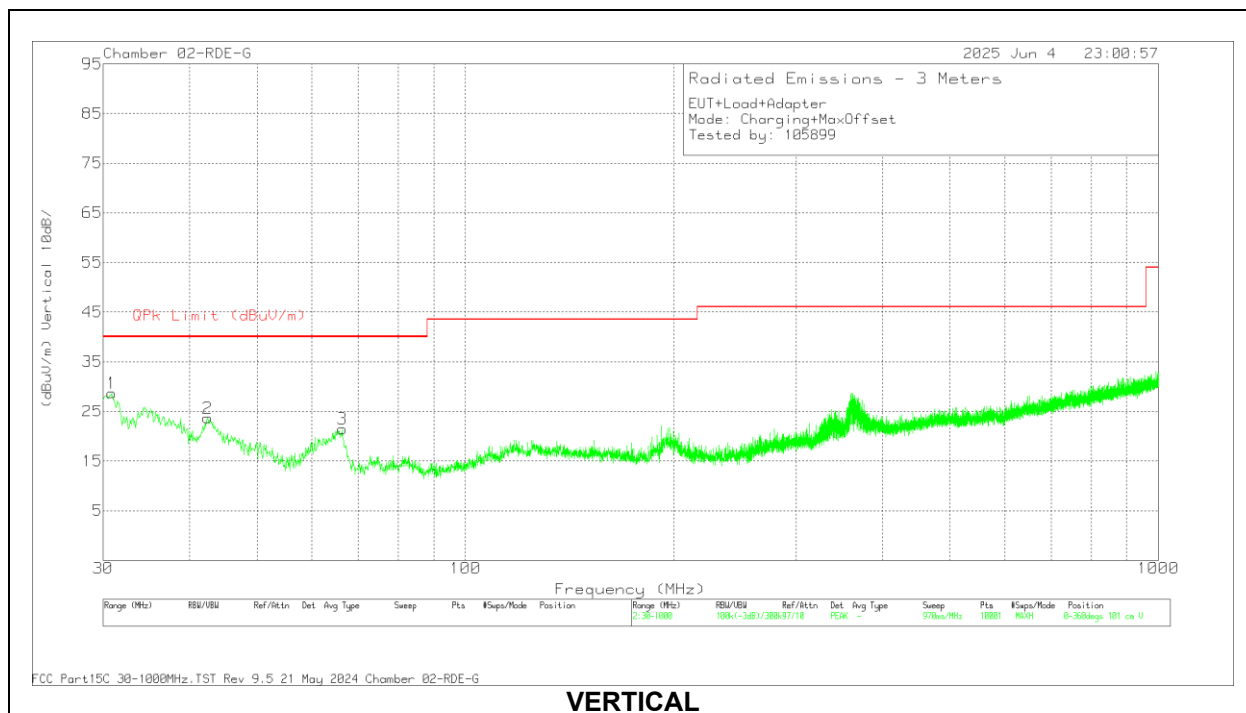
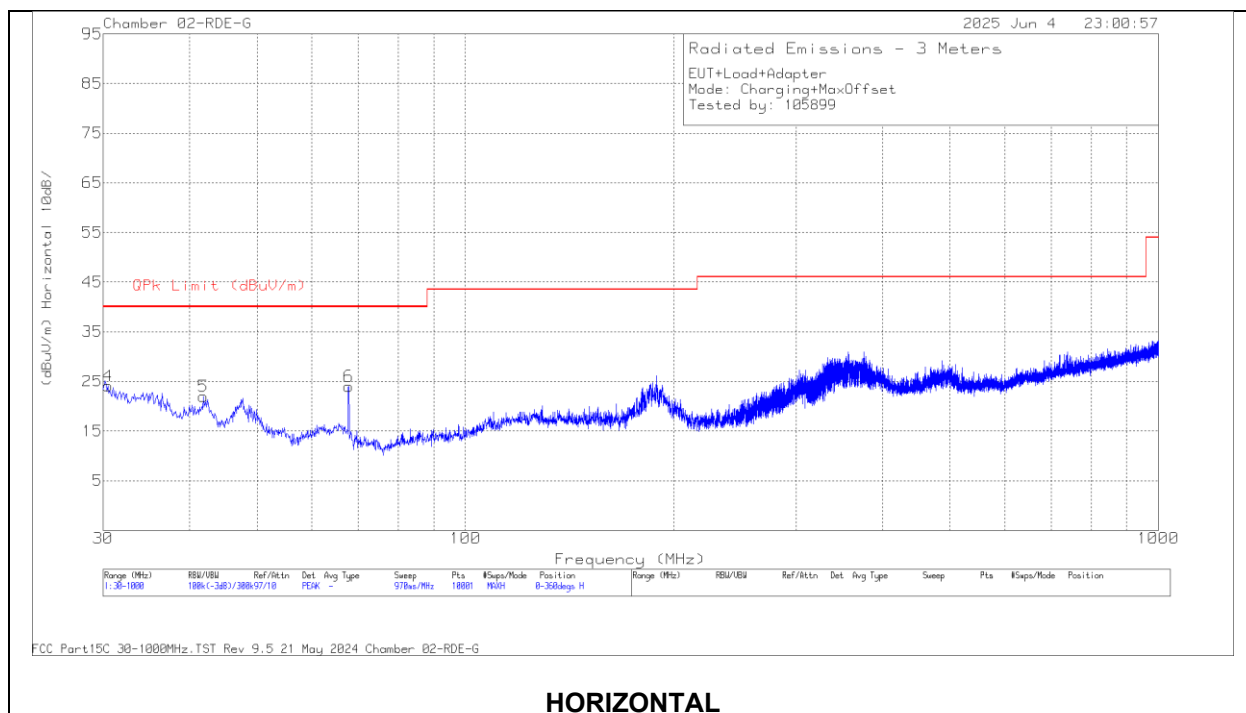
FACE-ON AND FACE-OFF

DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna H(ACF) (dB/m)	Loop Path 100kHz-30MHz (dB)	Corrected Reading dB(uAmps/meter)	RSS-216 G2 WPT Mag FS (dBuA/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.3589	44.28	Pk	3.4	-32.1	15.58	33.73	-18.15	0-360	Face-on
4	.3606	41.14	Pk	3.4	-32.1	12.44	33.7	-21.26	0-360	Face-off
2	1.0785	32.74	Pk	-5.1	-32	-4.36	27.09	-31.45	0-360	Face-on
5	1.0785	30.01	Pk	-5.1	-32	-7.09	27.09	-34.18	0-360	Face-off
3	1.8345	15.89	Pk	-9.1	-31.9	-25.11	23.88	-48.99	0-360	Face-on
6	1.9158	14.92	Pk	-9.5	-31.9	-26.48	23.62	-50.1	0-360	Face-off

Pk - Peak detector

9.3.3. FCC TX SPURIOUS EMISSION (30 - 1000 MHz)



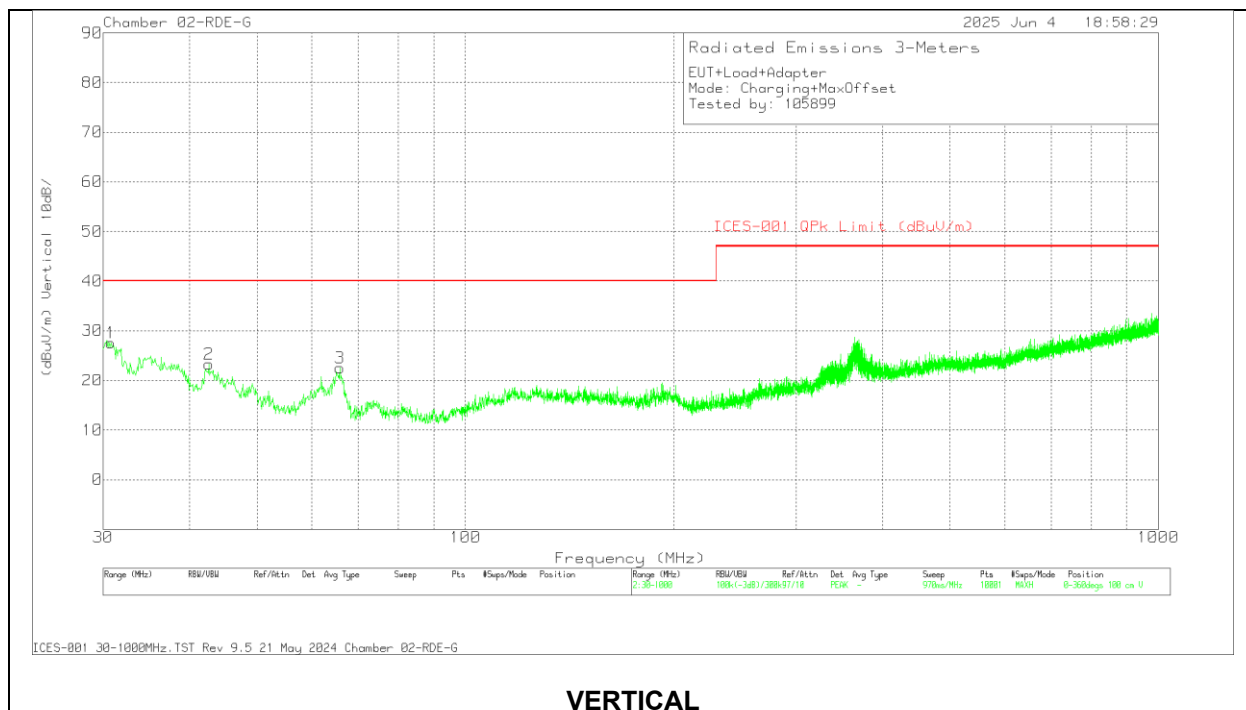
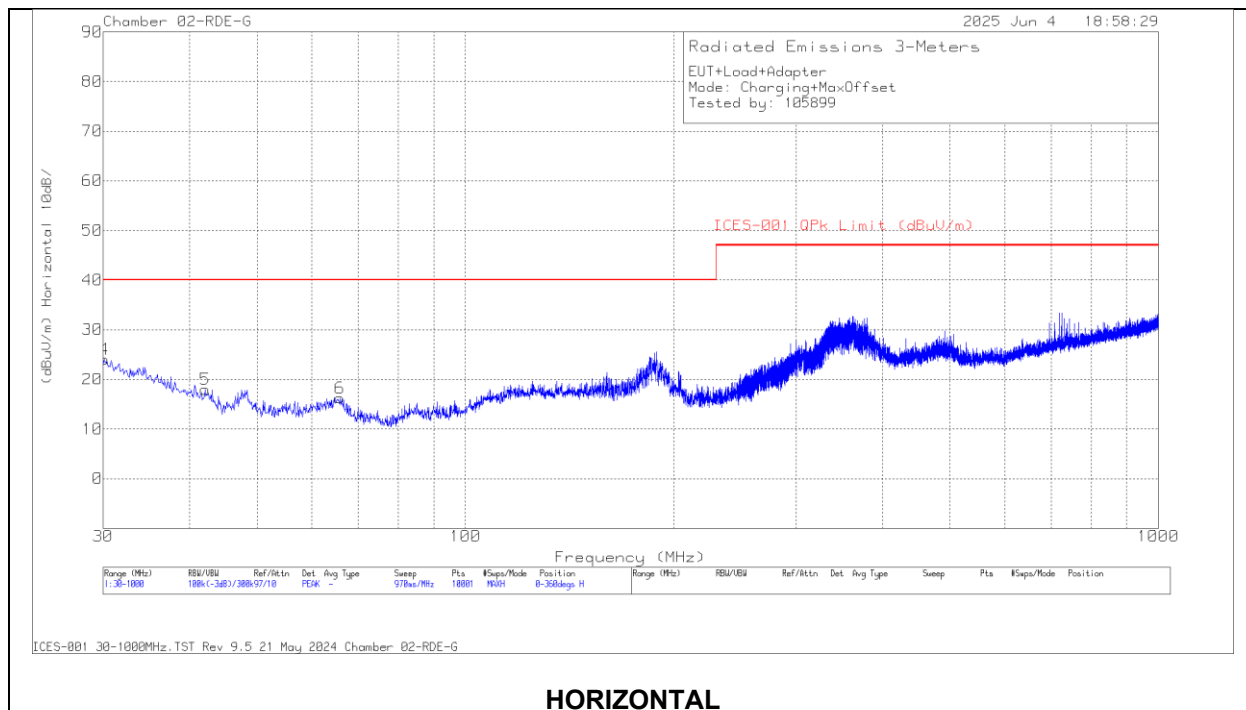
DATA

Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	173997 ACF (dB/m)	CBL (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	30.4135	23.64	Qp	26.5	-31.1	19.04	40	-20.96	88	312	H
1	30.8533	29.26	Qp	26.1	-31.2	24.16	40	-15.84	313	102	V
5	42.1038	29.24	Qp	18.1	-30.4	16.94	40	-23.06	272	393	H
2	42.4309	31.01	Qp	17.9	-30.5	18.41	40	-21.59	11	116	V
3	66.268	31.43	Qp	13.9	-30.7	14.63	40	-25.37	122	100	V
6	67.6073	25.35	Qp	14	-30.5	8.85	40	-31.15	13	269	H

Qp - Quasi-Peak detector

9.3.4. ISED TX SPURIOUS EMISSION (30 - 1000 MHz)



DATA

Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	173997 ACF (dB/m)	CBL (dB)	Corrected Reading (dBuV/m)	RSS-216 QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	30.0584	22.81	Qp	26.8	-31.1	18.51	40	-21.49	125	300	H
1	30.8202	29.42	Qp	26.1	-31.2	24.32	40	-15.68	319	103	V
5	42.0194	23.22	Qp	18.2	-30.4	11.02	40	-28.98	273	349	H
2	42.6306	27.86	Qp	17.8	-30.6	15.06	40	-24.94	46	104	V
3	65.6538	32.19	Qp	13.9	-30.6	15.49	40	-24.51	95	100	V
6	65.9202	27.76	Qp	13.9	-30.8	10.86	40	-29.14	221	224	H

Qp - Quasi-Peak detector

Note: The original data collected based on the old limit at 3m distance

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	173997 ACF (dB/m)	Hybrid Path 30MHz-1000MHz (dB)	Dist Corr 10m (dB)	Corrected Reading (dBuV/m)	RSS-216 QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Antenna Polarity
4	30.0584	22.81	Qp	26.8	-31.1	-10.46	8.05	30	-21.95	125	300	H
1	30.8202	29.42	Qp	26.1	-31.2	-10.46	13.86	30	-16.14	319	103	V
5	42.0194	23.22	Qp	18.2	-30.4	-10.46	0.56	30	-29.44	273	349	H
2	42.6306	27.86	Qp	17.8	-30.6	-10.46	4.6	30	-25.4	46	104	V
3	65.6538	32.19	Qp	13.9	-30.6	-10.46	5.03	30	-24.97	95	100	V
6	65.9202	27.76	Qp	13.9	-30.8	-10.46	0.4	30	-29.6	221	224	H

Qp - Quasi-Peak detector

Note: The original data collected at 3m converted at 10m distance.

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:	32547	Date:	06/04/2025
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10.1. CONFIGURATION 2: OPERATING MODE W/ LOAD #1

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	3.8Vdc (Normal)	127.77187	39.33	127.77182	39.49	127.7717	39.44	127.77164	36.35	39.4900	-28.0600	11.4300	44.540	Yes	Pass
+20°C (Normal)		127.771873	38.53	127.771899	38.53	127.771919	38.53	127.771757	38.90	38.9000	-28.0600	10.8400		Yes	Pass
-20°C		127.772245	35.75	127.772368	35.62	127.772563	35.50	127.772563	35.50	35.7500	-28.0600	7.6900		Yes	Pass
+20°C	3.23Vdc (85%)	127.772263	36.62	127.772284	36.84	127.772037	37.13	127.771883	37.54	37.5400	-28.0600	9.480	44.540	Yes	Pass
	4.37Vdc (115%)	127.771766	37.73	127.771839	37.79	127.771729	37.83	127.771736	37.48	37.8300	-28.0600	9.770		Yes	Pass

*Note: Field strength at 3m at nominal temperature of 20°C was 10.84 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

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	3.8Vdc (Normal)	359.997962	16.75	360.00201	16.8	360.00196	16.85	360.00161	16.59	16.8500	-0.9900	15.8600	33.700	Yes	Pass
+20°C (Normal)		359.999004	16.53	360.003729	16.56	360.003761	16.57	359.999101	16.55	16.5700	-0.9900	15.5800		Yes	Pass
-20°C		360.000343	16.25	360.000640	15.80	360.000695	15.72	360.000589	15.18	16.2500	-0.9900	15.2600		Yes	Pass
+20°C	3.23Vdc (85%)	359.999446	16.39	359.999330	16.40	359.999213	16.48	359.999107	16.46	16.4800	-0.9900	15.490	33.700	Yes	Pass
	4.37Vdc (115%)	360.000409	16.40	360.000160	16.29	359.999822	16.34	359.999545	16.42	16.4200	-0.9900	15.430		Yes	Pass

*Note: Field strength at 3m at nominal temperature of 20°C was 15.58 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

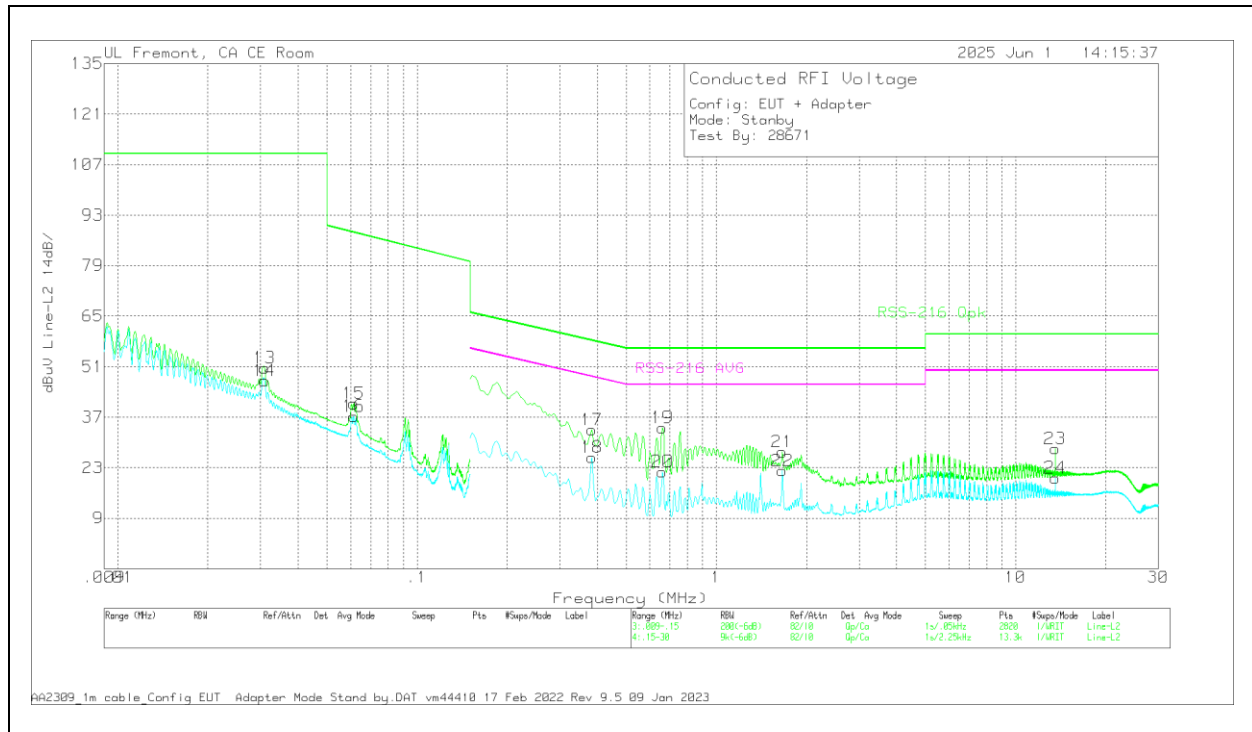


DATA

Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 1 C3_C1_Limiter no Pad_UL (dB)	Trns Limiter (dB)	Corrected Reading (dBuV)	RSS-216 Qpk (dBuV)	Margin (dB)	
2	.0307	26.11	Ca	.8	10.6	10.7	48.21	-	-	
4	.0614	17.85	Ca	.3	9.8	9.8	37.75	-	-	
1	.0307	29.29	Qp	.8	10.6	10.7	51.39	110	-58.61	
3	.0614	21.02	Qp	.3	9.8	9.8	40.92	88.13	-47.21	

Range 2: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 1 C3_C1_Limiter no Pad_UL (dB)	Trns Limiter (dB)	Corrected Reading (dBuV)	RSS-216 Qpk (dBuV)	Margin (dB)	RSS-216 AVG (dBuV)	Margin (dB)
6	.384	7.2	Ca	0	9.4	9.4	26	-	-	48.19	-22.19
8	.6608	3.08	Ca	0	9.4	9.4	21.88	-	-	46	-24.12
10	1.662	3.53	Ca	0	9.4	9.4	22.33	-	-	46	-23.67
12	13.56	.55	Ca	.1	9.5	9.5	19.65	-	-	50	-30.35
5	.384	14.86	Qp	0	9.4	9.4	33.66	58.19	-24.53	-	-
7	.663	15.3	Qp	0	9.4	9.4	34.1	56	-21.9	-	-
9	1.662	8.48	Qp	0	9.4	9.4	27.28	56	-28.72	-	-
11	13.56	9.25	Qp	.1	9.5	9.5	28.35	60	-31.65	-	-

LINE 2 RESULTS



DATA

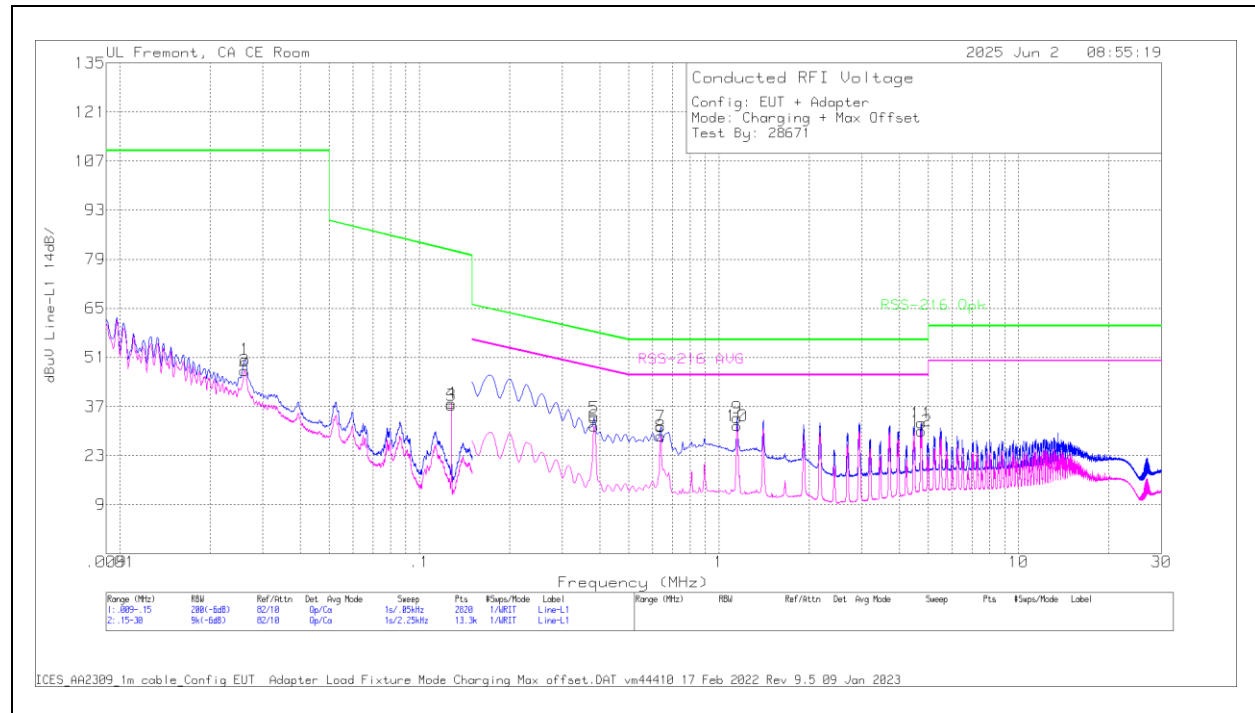
Range 3: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 2 C3_C2_Limiter no Pad_UL (dB)	Trns Limiter (dB)	Corrected Reading (dBuV)	RSS-216 Qpk (dBuV)	Margin (dB)	
14	.0309	24.99	Ca	.8	10.6	10.7	47.09	-	-	
16	.0614	17.31	Ca	.3	9.8	9.8	37.21	-	-	
13	.0309	28.51	Qp	.8	10.6	10.7	50.61	110	-59.39	
15	.0614	20.89	Qp	.3	9.8	9.8	40.79	88.13	-47.34	

Range 4: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 2 C3_C2_Limiter no Pad_UL (dB)	Trns Limiter (dB)	Corrected Reading (dBuV)	RSS-216 Qpk (dBuV)	Margin (dB)	RSS-216 AVG (dBuV)	Margin (dB)
18	.384	7.15	Ca	0	9.3	9.4	25.85	-	-	48.19	-22.34
20	.6608	3.18	Ca	0	9.3	9.4	21.88	-	-	46	-24.12
22	1.662	3.37	Ca	0	9.4	9.4	22.17	-	-	46	-23.83
24	13.56	1.02	Ca	.1	9.5	9.5	20.12	-	-	50	-29.88
17	.384	14.78	Qp	0	9.3	9.4	33.48	58.19	-24.71	-	-
19	.6608	15.35	Qp	0	9.3	9.4	34.05	56	-21.95	-	-
21	1.662	8.55	Qp	0	9.4	9.4	27.35	56	-28.65	-	-
23	13.56	9.16	Qp	.1	9.5	9.5	28.26	60	-31.74	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

11.2. CONFIGURATION 2: OPERATING MODE W/ LOAD #1

LINE 1 RESULTS

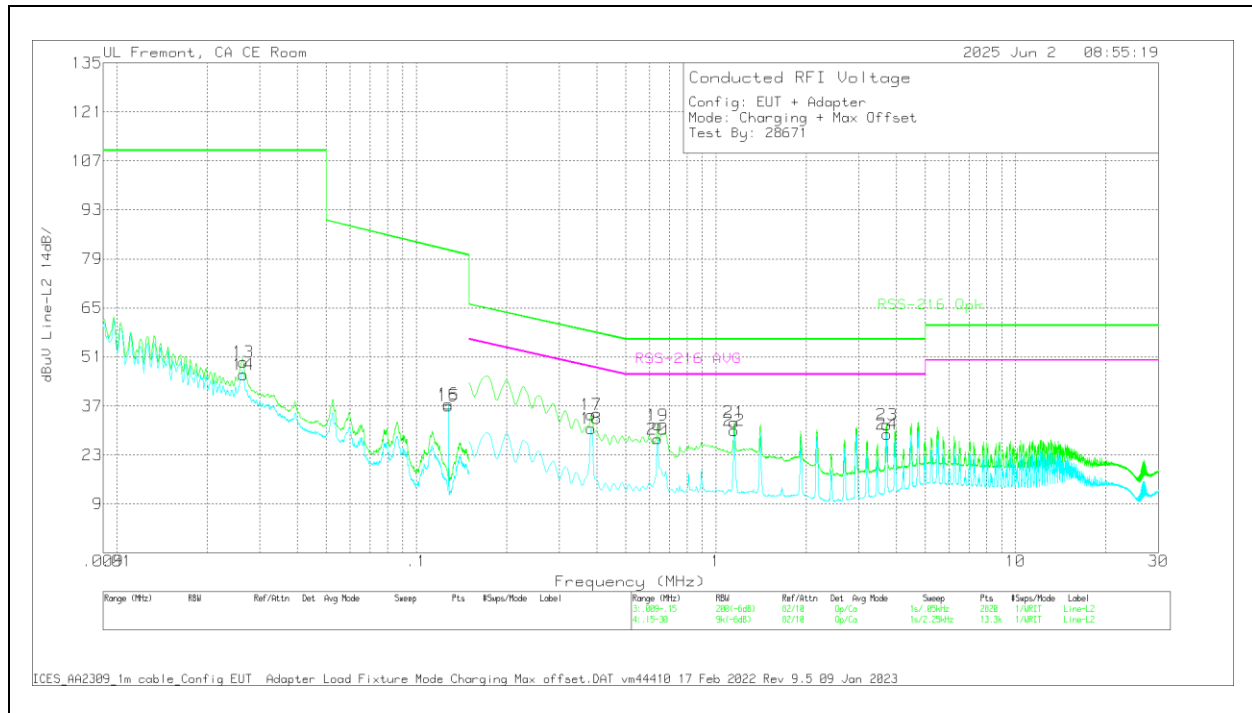


DATA

Range 1: Line-L1 .15 - 30MHz									
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 1 C3_C1_Limiter no Pad_UL (dB)	Trns Limiter (dB)	Corrected Reading (dBuV)	RSS-216 Qpk (dBuV)	Margin (dB)
2	.0261	24.45	Ca	1.1	10.9	10.8	47.25	-	-
4	.1278	18.9	Ca	.1	9.4	9.5	37.9	-	-
1	.0262	27.65	Qp	1.1	10.9	10.8	50.45	110	-59.55
3	.1278	18.32	Qp	.1	9.4	9.5	37.32	81.46	-44.14

Range 2: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 1 C3_C1_Limiter no Pad_UL (dB)	Trns Limiter (dB)	Corrected Reading dBuV	RSS-216 Qpk (dBuV)	Margin (dB)	RSS-216 AVG (dBuV)	Margin (dB)
6	.384	12.61	Ca	0	9.4	9.4	31.41	-	-	48.19	-16.78
8	.6383	9.81	Ca	0	9.4	9.4	28.61	-	-	46	-17.39
10	1.149	12.73	Ca	0	9.4	9.4	31.53	-	-	46	-14.47
12	4.7445	11.19	Ca	0	9.4	9.4	29.99	-	-	46	-16.01
5	.384	15.04	Qp	0	9.4	9.4	33.84	58.19	-24.35	-	-
7	.6383	12.44	Qp	0	9.4	9.4	31.24	56	-24.76	-	-
9	1.149	14.92	Qp	0	9.4	9.4	33.72	56	-22.28	-	-
11	4.7445	13.46	Qp	0	9.4	9.4	32.26	56	-23.74	-	-

LINE 2 RESULTS



DATA

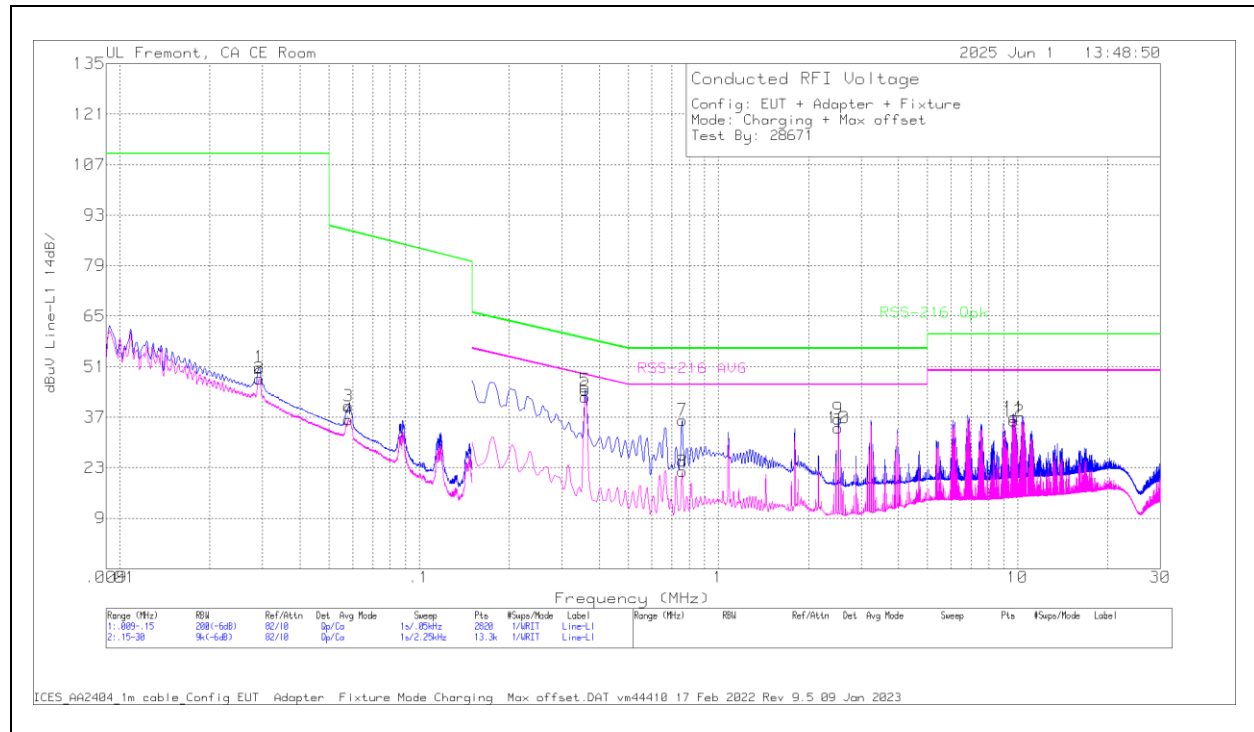
Range 3: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 2 C3_C2_Limiter no Pad_UL (dB)	Trns Limiter (dB)	Corrected Reading (dBuV)	RSS-216 Qpk (dBuV)	Margin (dB)	
14	.0265	23.37	Ca	1	10.8	10.8	45.97	-	-	
16	.1278	18.55	Ca	.1	9.4	9.5	37.55	-	-	
13	.0265	26.88	Qp	1	10.8	10.8	49.48	110	-60.52	
15	.1278	18.04	Qp	.1	9.4	9.5	37.04	81.46	-44.42	

Range 4: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 2 C3_C2_Limiter no Pad_UL (dB)	Trns Limiter (dB)	Corrected Reading (dBuV)	RSS-216 Qpk	Margin (dB)	RSS-216 AVG (dBuV)	Margin (dB)
18	.384	11.9	Ca	0	9.3	9.4	30.6	-	-	48.19	-17.59
20	.6383	8.89	Ca	0	9.3	9.4	27.59	-	-	46	-18.41
22	1.149	11.35	Ca	0	9.3	9.4	30.05	-	-	46	-15.95
24	3.7208	10	Ca	0	9.4	9.5	28.9	-	-	46	-17.1
17	.384	15.82	Qp	0	9.3	9.4	34.52	58.19	-23.67	-	-
19	.6383	12.84	Qp	0	9.3	9.4	31.54	56	-24.46	-	-
21	1.149	13.61	Qp	0	9.3	9.4	32.31	56	-23.69	-	-
23	3.7208	12.76	Qp	0	9.4	9.5	31.66	56	-24.34	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

11.3. CONFIGURATION 3: OPERATING MODE W/ LOAD #2

LINE 1 RESULTS

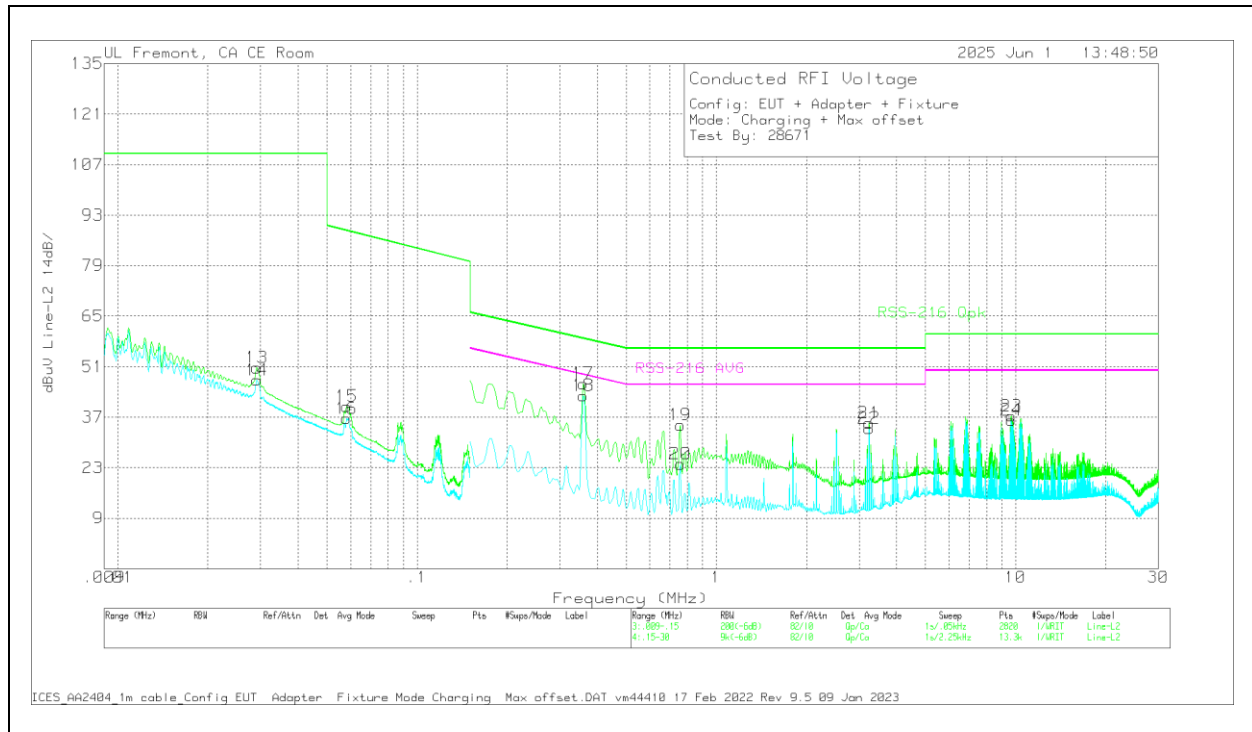


DATA

Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 1 C3_C1_Limiter no Pad_UL (dB)	Trns Limiter (dB)	Corrected Reading (dBuV)	RSS-216 Qpk (dBuV)	Margin (dB)	
2	.0292	25.42	Ca	.9	10.7	10.7	47.72	-	-	
4	.0581	16.49	Ca	.3	9.8	9.8	36.39	-	-	
1	.0292	28.55	Qp	.9	10.7	10.7	50.85	110	-59.15	
3	.0581	20.18	Qp	.3	9.8	9.8	40.08	88.63	-48.55	

Range 2: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 1 C3_C1_Limiter no Pad_UL (dB)	Trns Limiter (dB)	Corrected Reading (dBuV)	RSS-216 Qpk (dBuV)	Margin (dB)	RSS-216 AVG (dBuV)	Margin (dB)
6	.3593	23.78	Ca	0	9.4	9.4	42.58	-	-	48.75	-6.17
8	.7575	3.21	Ca	0	9.4	9.4	22.01	-	-	46	-23.99
10	2.5193	15.32	Ca	0	9.4	9.3	34.02	-	-	46	-11.98
12	9.7193	17.15	Ca	0	9.5	9.3	35.95	-	-	50	-14.05
5	.3593	25.74	Qp	0	9.4	9.4	44.54	58.75	-14.21	-	-
7	.7575	17.34	Qp	0	9.4	9.4	36.14	56	-19.86	-	-
9	2.5193	17.8	Qp	0	9.4	9.3	36.5	56	-19.5	-	-
11	9.7193	18.17	Qp	0	9.5	9.3	36.97	60	-23.03	-	-

LINE 2 RESULTS



DATA

Range 3: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 2 C3_C2_Limiter no Pad_UL (dB)	Trns Limiter (dB)	Corrected Reading (dBuV)	RSS-216 Qpk (dBuV)	Margin (dB)	
14	.0292	24.97	Ca	.9	10.7	10.7	47.27	-	-	
16	.0581	16.71	Ca	.3	9.8	9.8	36.61	-	-	
13	.0292	28.4	Qp	.9	10.7	10.7	50.7	110	-59.3	
15	.0582	20.07	Qp	.3	9.8	9.8	39.97	88.62	-48.65	

Range 4: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Line 2 C3_C2_Limiter no Pad_UL (dB)	Trns Limiter (dB)	Corrected Reading (dBuV)	RSS-216 Qpk (dBuV)	Margin (dB)	RSS-216 AVG (dBuV)	Margin (dB)
18	.3593	24.29	Ca	0	9.3	9.4	42.99	-	-	48.75	-5.76
20	.7575	5.32	Ca	0	9.3	9.4	24.02	-	-	46	-21.98
22	3.2393	15.13	Ca	0	9.4	9.4	33.93	-	-	46	-12.07
24	9.6743	17.27	Ca	0	9.5	9.4	36.17	-	-	50	-13.83
17	.3593	27.62	Qp	0	9.3	9.4	46.32	58.75	-12.43	-	-
19	.7575	16.13	Qp	0	9.3	9.4	34.83	56	-21.17	-	-
21	3.2393	16.57	Qp	0	9.4	9.4	35.37	56	-20.63	-	-
23	9.6743	18.43	Qp	0	9.5	9.4	37.33	60	-22.67	-	-

Qp - Quasi-Peak detector
Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to 15881588-EP1V1 for setup photos.

END OF TEST REPORT