

TEST REPORT

Report Number: R15872942-E6

Applicant : Samsung Electronics Co., Ltd.
129, Samsung-ro, Yeongtong-gu, Suwon-si,
Gyeonggi-do, 16677, Republic of Korea

Model : SM-A175F / SM-A175F/DS

FCC ID : A3LSMA175F

EUT Description : Smartphone

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C: 2025

Date Of Issue:
2025-07-29

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
1	2025-07-17	Initial Issue	B. Kiewra
2	2025-07-29	Added additional model	B. Kiewra

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Samsung Electronics Co., Ltd.
129, Samsung-ro, Yeongtong-gu, Suwon-si,
Gyeonggi-do, 16677, Republic of Korea

EUT DESCRIPTION: Smartphone

MODEL: SM-A175F / SM-A175F/DS

SERIAL NUMBER: R38Y500BA5H, R38Y50033YM

SAMPLE RECEIPT DATE: 2025-06-20

DATE TESTED: 2025-07-07 to 2025-07-15

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 15 SUBPART C: 2025	Refer to Section 3

UL LLC 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.

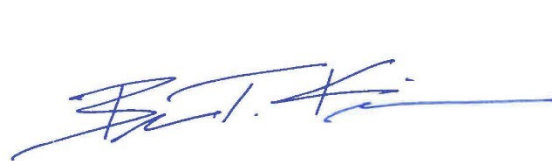
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Approved & Released
For UL LLC By:

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2. SUMMARY OF TEST RESULTS

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

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

- 1) Cable loss (section 9)
- 2) Supported Data-Rates and Power Settings. Orientation of Operation (Section 6.4)
- 3) Software, Firmware and Hardware Versions of EUT (section 6.3)

Requirement Description	Requirement Clause Number	Result	Remarks
Occupied Bandwidth	FCC §15.215 (c)	Compliant	None
Fundamental Measurements.	FCC §15.225 (a-d)		
Tx Spurious Emissions	FCC §15.209 (d)		
Frequency Stability	FCC §15.225 (e)		
AC Mains Line Conducted Emissions	FCC §15.207		

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC 47 CFR Part 2, FCC 47 CFR Part 15, ANSI C63.10-2020, KDB 414788 D01 Radiated Test Site v01r01.

4. FACILITIES AND ACCREDITATION

UL LLC is accredited by A2LA, Certificate Number #0751.06, 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: 12 Laboratory Dr Durham, NC 27713, U.S.A	US0067	2180C	825374
☒	Building: 2800 Perimeter Park Dr. Suite B Morrisville, NC 27560, U.S.A		27265	

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

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.

5.1.

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

5.2. specified requirement.)

MEASUREMENT UNCERTAINTY

5.3. 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 Channel Bandwidth	1.22%
RF output power, conducted	1.3 dB (PK) 0.45 dB (AV)
Power Spectral Density, conducted	2.47 dB
Unwanted Emissions, conducted	1.94 dB
All emissions, radiated	6.01 dB
Conducted Emissions (0.150-30MHz) - LISN	3.40 dB
Temperature	0.57°C
Humidity	3.39%
DC Supply voltages	1.70%

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

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

DESCRIPTION OF EUT

The EUT is a smartphone. This report covers the full testing of the 13.56MHz RFID.

MAXIMUM ELECTRIC FIELD STRENGTH

- 6.1. The transmitter has a maximum peak radiated electric field strength as follows:

6.2.

Fundamental Frequency (MHz)	E-Field (dBuV/m)	Mode
13.56	11.85	Tag on

SOFTWARE AND FIRMWARE

Manufacturer will disclose upon request.

- 6.3. **WORST-CASE CONFIGURATION AND MODE**

- 6.4. The fundamental of the EUT was investigated in three orthogonal orientations X,Y, and Z. It was determined that Y orientation was the worst-case orientation; therefore, all final radiated testing was performed with the antennas in Y orientation.

The EUT does not transmit without a tag. Therefore, all testing was done with a tag.

- 6.5. **DESCRIPTION OF TEST SETUP**

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adaptor	Samsung	EP-T2510	R3738S0231SEA	n/a
NFC Circle Tag	NA	NA	NA	NA

I/O CABLES

I/O Cable List						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	USB-C	1	USB-C	Shielded	<3m	Connects to AC adaptor

TEST SETUP

The EUT is connected to a DC power supply during the tests. The EUT was set to continuously be reading for a tag.

SETUP DIAGRAMS

Please refer to R15872942-EP1 for setup diagrams

7. TEST AND MEASUREMENT EQUIPMENT

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

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville – Chamber 2)

Equipment ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
0.009-30MHz					
135144	Active Loop Antenna	ETS-Lindgren	6502	2024-10-02	2025-10-02
30-1000 MHz					
159203	Hybrid Broadband Antenna	Sunol Sciences Corp.	JB3	2024-03-05	2026-03-05
Gain-Loss Chains					
91975	Gain-loss string: 0.009-30MHz	Various	Various	2025-05-31	2026-05-31
91978	Gain-loss string: 25-1000MHz	Various	Various	2025-05-31	2026-05-31
Receiver & Software					
197955	Spectrum Analyzer	Rohde & Schwarz	ESW44	2025-05-12	2025-05-12
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
Additional Equipment used					
200540	Environmental Meter	Fisher Scientific	15-077-963	2023-07-19	2025-07-19

Test Equipment Used - Line-Conducted Emissions – Voltage (Morrisville – Conducted 1)

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
70374	EMI Test Receiver	ROHDE & SCHWARZ	ESC17	2024-07-30	2025-07-30
CBL087	Coax cable, RG223, N-male to BNC-male, 20-ft.	Pasternack	PE3W06143-240	2025-04-17	2026-04-17
179892	Environmental Meter	Fisher Scientific	15-077-963	2024-08-12	2025-08-12
52859	Transient Limiter, 0.009-100MHz	Electro-Metrics	EM-7600	2025-04-17	2026-04-17
80391	LISN, 50-ohm/50-uH, 250uH 2-conductor, 25A	Fischer Custom Com.	FCC-LISN-50/250-25-2-01	2024-08-01	2025-08-01
236852	CW-AC Power Source	Ametek	CW2501	NA	NA
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		

Test Equipment Used – OBW and Frequency Stability (Morrisville – Conducted 2)

Equipment ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
214284	Spectrum Analyzer	Rohde & Schwarz	FSW50	2025-03-14	2026-03-14
207726	Temp/Humid Chamber	Thermotron	SM-32-8200	2025-01-15	2026-01-15
179892	Environmental Meter	Fisher Scientific	15-077-963	2024-08-12	2025-08-12
76022	DC Regulated Power Supply	CircuitSpecialists.Com	CSI3005X5	NA	NA
SOFTEMI	Antenna Port Software	UL	Version 2024.2.23		
CBL010	Micro-Coax UTiFLEX Cable Assembly, Low Loss	Carlisle Interconnect Technologies	UFB293C-0-2400-300300	2025-06-06	2026-06-06
7405	NFC Probe Kit	EMCO	9911-4442	NA	NA

8. 20dB BANDWIDTH

LIMITS

§15.215 (c) Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

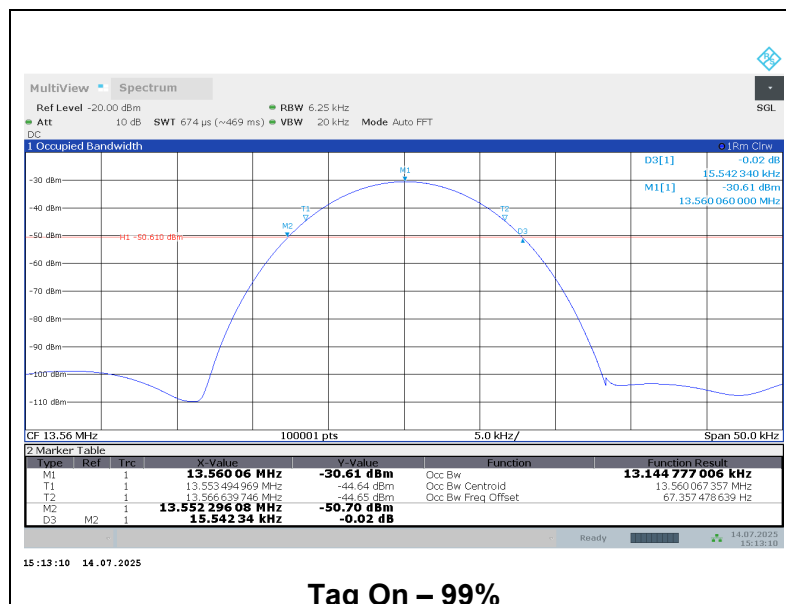
TEST PROCEDURE

The transmitter output is connected to the spectrum analyzer. The RBW is set to 1-5% of the 20dB bandwidth. The VBW is set to 3 times the RBW. The sweep time is coupled. The spectrum analyzer internal 99% bandwidth function is utilized.

RESULTS

Frequency (MHz)	20dB Bandwidth* (kHz)
13.56	15.5423

*Note: Because the measured signal is CW, adjusting the RBW per C63.10 would not be practical, since the measured bandwidth would always follow the RBW.



9. RADIATED EMISSION TEST RESULTS

LIMITS AND PROCEDURE

LIMIT

FCC §15.225

IC RSS-210, Annex B.6

9.1. (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
RSS-GEN <30MHz Limits for radiated disturbance of an intentional radiator		
Frequency range (MHz)	Limits (µA/m)	Measurement Distance (m)
0.009 – 0.490	6.37 / F (kHz)	300
0.490 – 1.705	63.7 / F (kHz)	30
1.705 – 30.0	.08	30

** 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 (e) The provisions in §§ 15.31, 15.33, and 15.35, 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 - 2020

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 9kHz to the 10th harmonic of the highest fundamental frequency, or 1000 MHz, whichever is greater.

Note: For all Below 30MHz test data, all measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz – 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the intentionally transmitted signal. The extrapolation factor for the limits were $40 \cdot \log(\text{test distance} / \text{specification distance})$

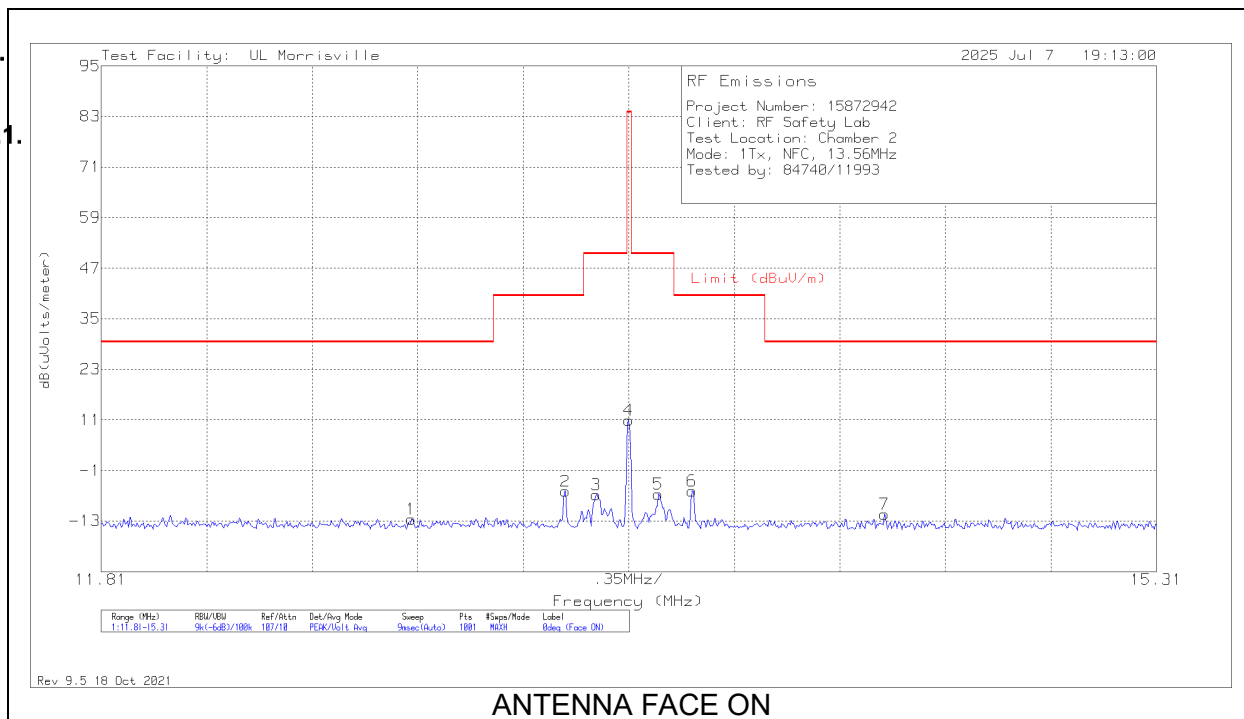
RESULTS

FUNDAMENTAL AND SPURIOUS EMISSIONS (<30MHz)

FUNDAMENTAL

9.2.

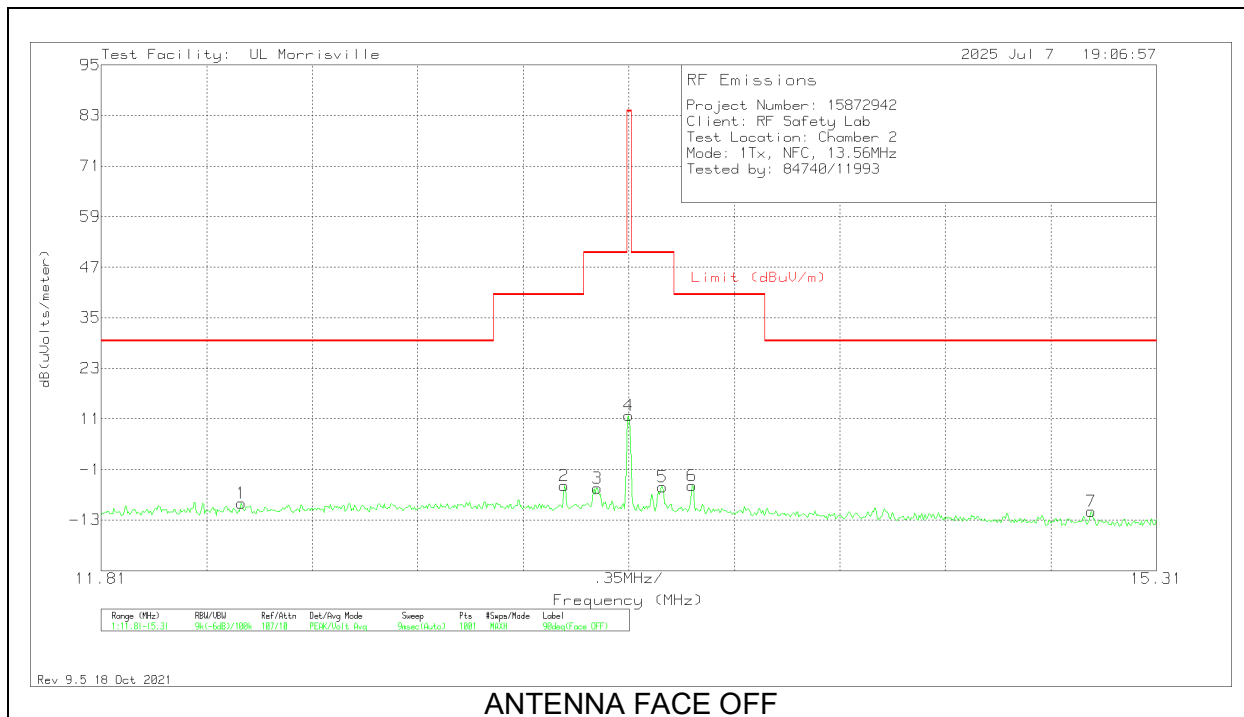
9.2.1.



ANTENNA FACE ON

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ANT (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Loop Angle
1	12.839	16.28	Pk	10.6	.6	-40	-12.52	29.5	-42.02	187	100	0 degs
2	13.35	22.85	Pk	10.6	.6	-40	-5.95	40.5	-46.45	187	100	0 degs
3	13.4515	22.09	Pk	10.6	.6	-40	-6.71	50.5	-57.21	187	100	0 degs
4	13.56	39.77	Pk	10.6	.6	-40	10.97	84	-73.03	187	100	0 degs
5	13.658	22.21	Pk	10.6	.6	-40	-6.59	50.5	-57.09	187	100	0 degs
6	13.77	22.96	Pk	10.6	.6	-40	-5.84	40.5	-46.34	187	100	0 degs
7	14.407	17.42	Pk	10.6	.6	-40	-11.38	29.5	-40.88	187	100	0 degs

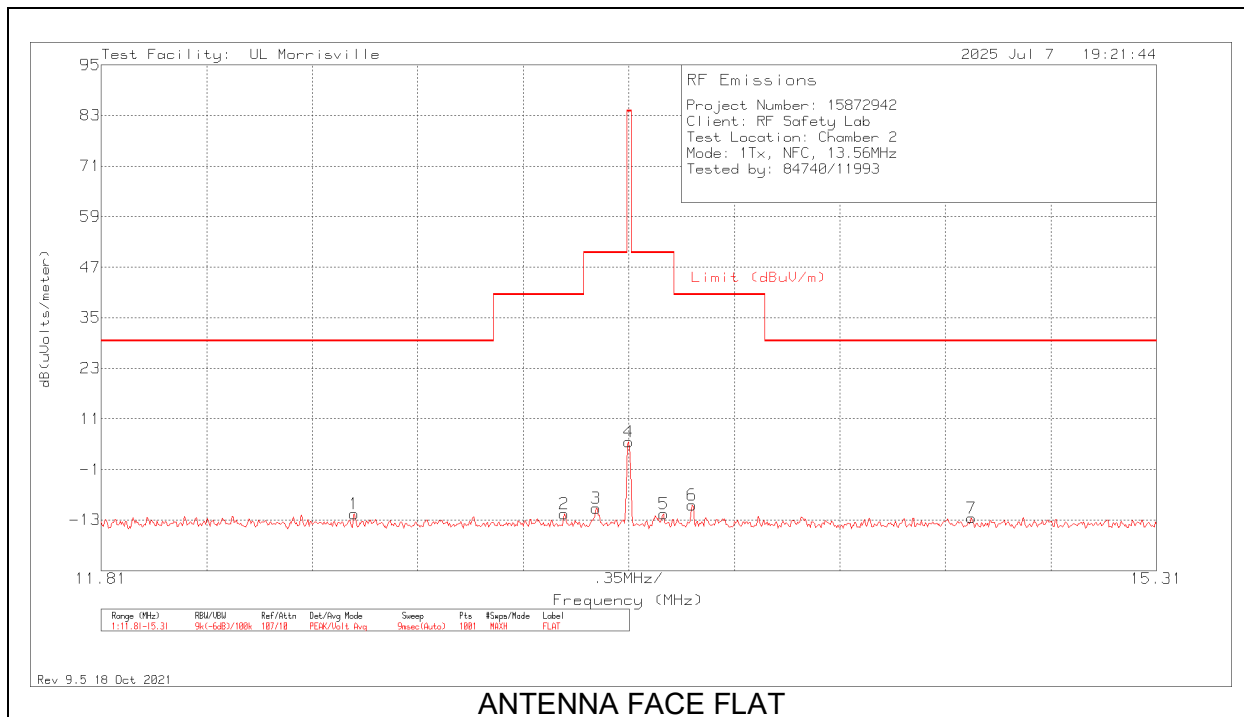
Pk - Peak detector



ANTENNA FACE OFF

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ANT (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Loop Angle
1	12.2755	19.95	Pk	10.6	.5	-40	-8.95	29.5	-38.45	97	100	90 degs
2	13.3465	23.91	Pk	10.6	.6	-40	-4.89	40.5	-45.39	97	100	90 degs
3	13.455	23.36	Pk	10.6	.6	-40	-5.44	50.5	-55.94	97	100	90 degs
4	13.56	40.65	Pk	10.6	.6	-40	11.85	84	-72.15	97	100	90 degs
5	13.672	23.72	Pk	10.6	.6	-40	-5.08	50.5	-55.58	97	100	90 degs
6	13.77	23.93	Pk	10.6	.6	-40	-4.87	40.5	-45.37	97	100	90 degs
7	15.093	17.95	Pk	10.5	.6	-40	-10.95	29.5	-40.45	97	100	90 degs

Pk - Peak detector



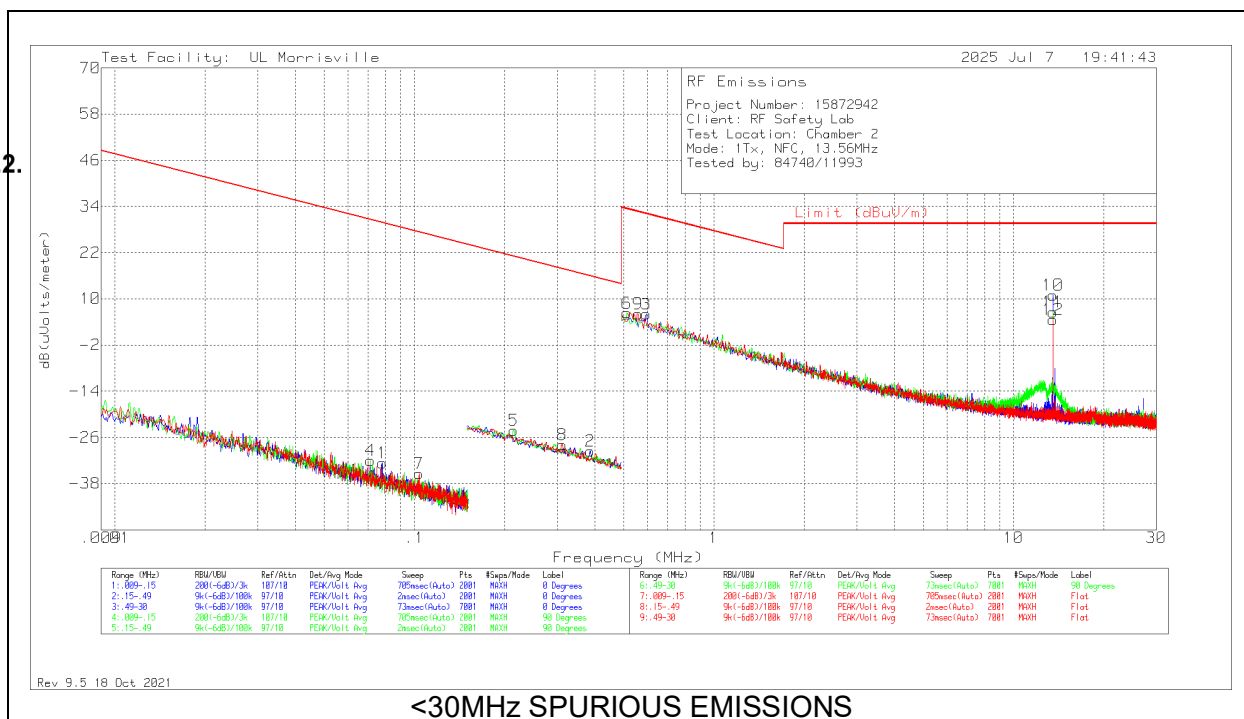
ANTENNA FACE FLAT

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ANT (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Loop Angle
1	12.65	17.3	Pk	10.6	.6	-40	-11.5	29.5	-41	196	100	Flat
2	13.3465	17.32	Pk	10.6	.6	-40	-11.48	40.5	-51.98	196	100	Flat
3	13.4515	18.56	Pk	10.6	.6	-40	-10.24	50.5	-60.74	196	100	Flat
4	13.56	34.35	Pk	10.6	.6	-40	5.55	84	-78.45	196	100	Flat
5	13.6755	17.28	Pk	10.6	.6	-40	-11.52	50.5	-62.02	196	100	Flat
6	13.77	19.3	Pk	10.6	.6	-40	-9.5	40.5	-50	196	100	Flat
7	14.69575	16.3	Pk	10.6	.6	-40	-12.5	29.5	-42	196	100	Flat

Pk - Peak detector

SPURIOUS EMISSION – E FIELD

9.2.2.

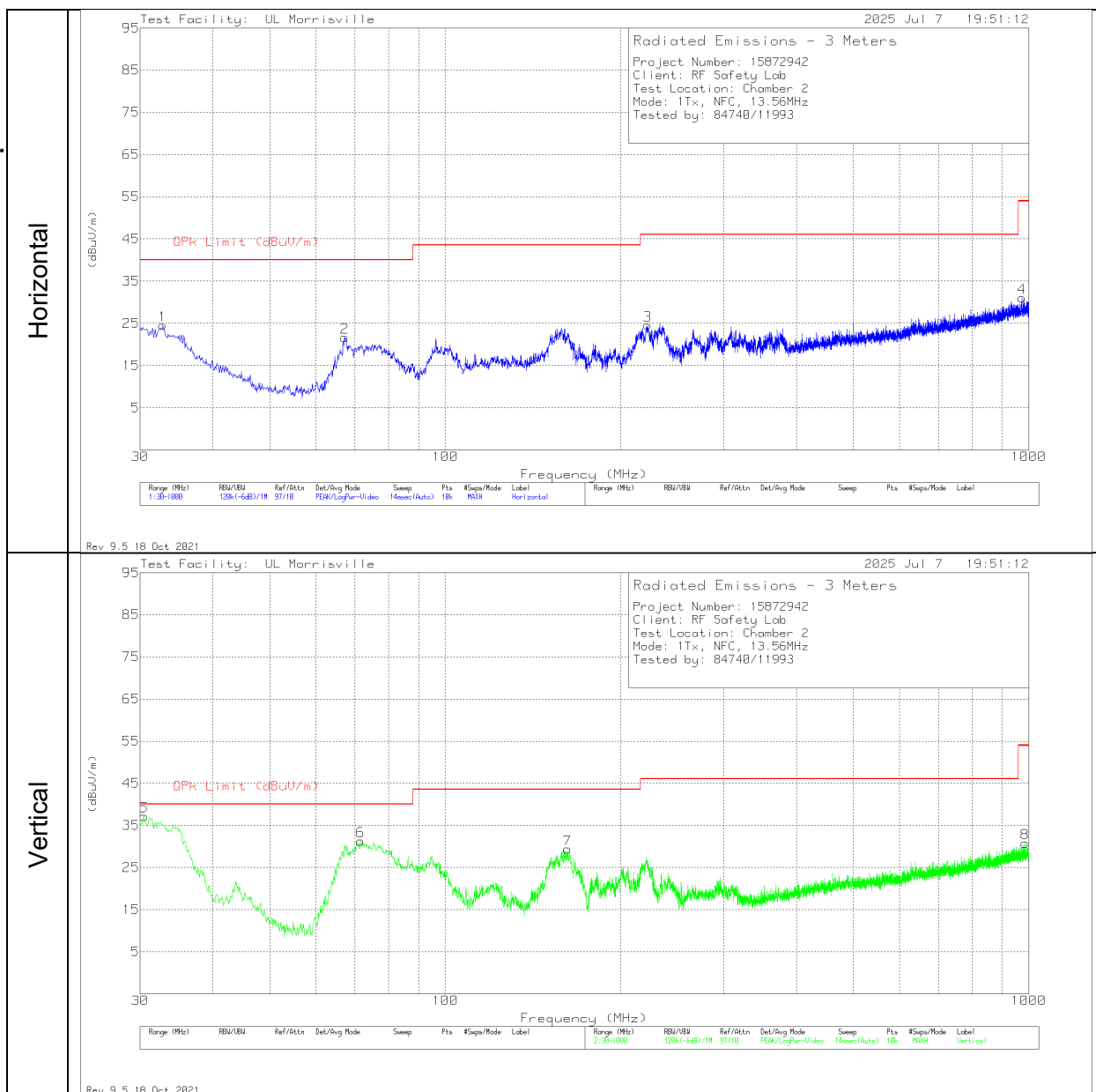


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ANT (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
4	.07134	36.7	Pk	11.2	.1	-80	-32	30.54	50.54	-62.54	0-360	90 degs
1	.07823	36.11	Pk	11.2	.1	-80	-32.59	29.74	49.74	-62.33	0-360	0 degs
7	.10364	33.33	Pk	11.1	.1	-80	-35.47	27.29	-	-62.76	0-360	Flat
5	.21452	44.81	Pk	10.9	.1	-80	-24.19	20.97	40.97	-45.16	0-360	90 degs
8	.31116	41.13	Pk	10.9	.1	-80	-27.87	17.74	37.74	-45.61	0-360	Flat
2	.38613	39.31	Pk	11	.1	-80	-29.59	15.87	35.87	-45.46	0-360	0 degs
6	.51108	35.22	Pk	11	.1	-40	6.32	33.43	-	-27.11	0-360	90 degs
9	.55746	35.03	Pk	11	.1	-40	6.13	32.68	-	-26.55	0-360	Flat
3	.5954	34.91	Pk	11	.1	-40	6.01	32.11	-	-26.1	0-360	0 degs
10	13.5596	39.79	Pk	10.6	.6	-40	10.99	29.54	-	-18.55	0-360	0 degs
11	13.5596	35.4	Pk	10.6	.6	-40	6.6	29.54	-	-22.94	0-360	90 degs
12	13.5596	33.48	Pk	10.6	.6	-40	4.68	29.54	-	-24.86	0-360	Flat

Pk - Peak detector

TX SPURIOUS EMISSION 30 TO 1000 MHz

9.3.



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	159203 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	30.6821	37.85	Qp	26.9	-31.7	33.05	40	-6.95	289	108	V
1	32.813	30.69	Pk	25.5	-31.6	24.59	40	-15.41	0-360	299	H
2	67.248	37.6	Pk	14.6	-30.5	21.7	40	-18.3	0-360	199	H
6	71.613	47.67	Pk	14.7	-31.1	31.27	40	-8.73	0-360	101	V
7	162.114	40.86	Pk	18.6	-30.1	29.36	43.52	-14.16	0-360	101	V
3	222.254	37.59	Pk	17.2	-30.2	24.59	46.02	-21.43	0-360	101	H
4	973.616	26.44	Pk	29.8	-25.2	31.04	53.97	-22.93	0-360	101	H
8	984.48	26.75	Pk	29.8	-25.8	30.75	53.97	-23.22	0-360	199	V

Pk - Peak detector

Qp - Quasi-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.

TEST PROCEDURE

ANSI C63.10-2020 Clause 6.8

RESULTS

No non-compliance noted.

WITH TAG

10.1.

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.88	50	13.5599436	2.515	13.5599338	3.237	13.5599277	3.687	13.5599229	4.041	± 100
3.88	40	13.5599366	3.031	13.5599328	3.311	13.5599314	3.414	13.5599329	3.304	± 100
3.88	30	13.5599456	2.367	13.5599435	2.522	13.5599430	2.559	13.5599435	2.522	± 100
3.88	20	13.5599777	0.000	13.5599761	0.118	13.5599745	0.236	13.5599732	0.332	± 100
3.88	10	13.5599799	-0.162	13.5599793	-0.118	13.5599827	-0.369	13.5599881	-0.767	± 100
3.88	0	13.5600315	-3.964	13.5600289	-3.772	13.5600298	-3.838	13.5600339	-4.141	± 100
3.88	-10	13.5600587	-5.977	13.5600595	-6.036	13.5600613	-6.169	13.5600739	-7.098	± 100
3.88	-20	13.5600807	-7.599	13.5600808	-7.607	13.5600808	-7.607	13.5600787	-7.452	± 100
3.30	20	13.5600027	-1.845	13.5599892	-0.847	13.5599847	-0.517	13.5599799	-0.160	± 100
4.47	20	13.5599932	-1.139	13.5599923	-1.079	13.5599869	-0.677	13.5599752	0.184	± 100

Tested by: 104463/85502

Test date: 2025-07-11 to 2025-07-14

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

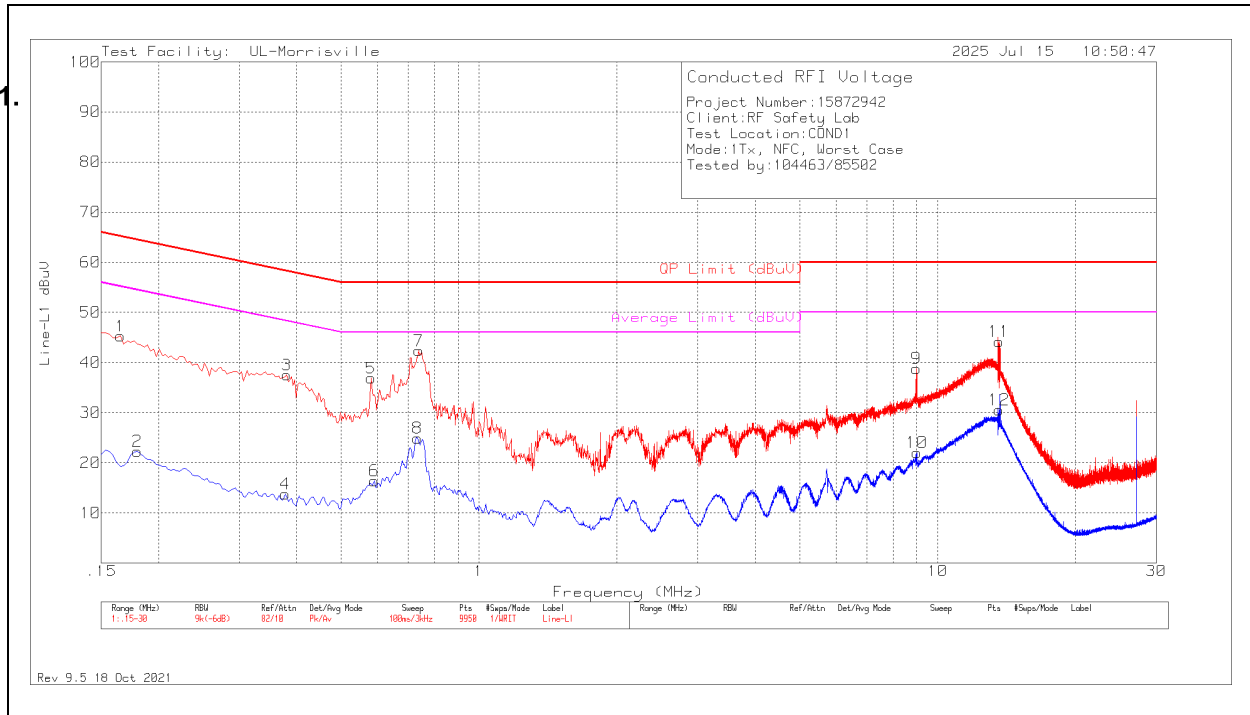
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both lines.

AC Mains Tag on

LINE 1 RESULTS

11.1.

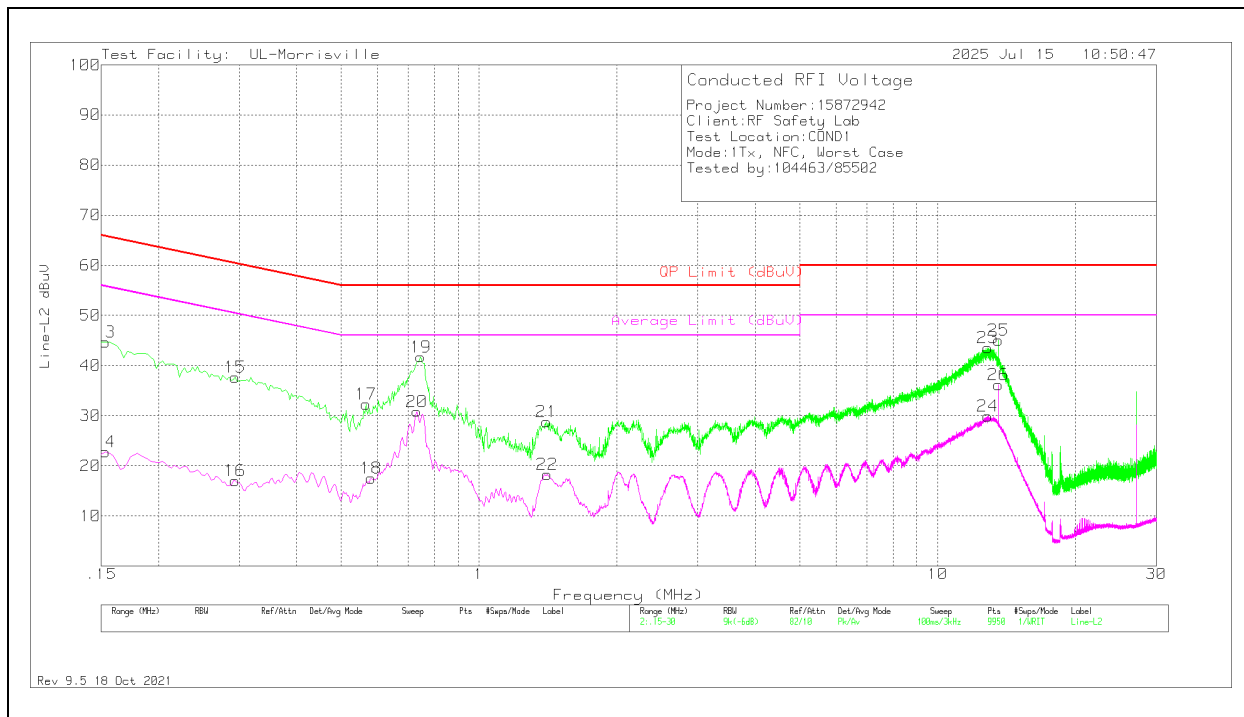


Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.165	35.35	Pk	.2	9.7	45.25	65.21	-19.96	-	-
2	.18	12.4	Av	.2	9.7	22.3	-	-	54.49	-32.19
4	.378	3.92	Av	.1	9.7	13.72	-	-	48.32	-34.6
3	.381	27.69	Pk	.1	9.7	37.49	58.26	-20.77	-	-
5	.582	27.16	Pk	0	9.7	36.86	56	-19.14	-	-
6	.591	6.72	Av	0	9.7	16.42	-	-	46	-29.58
8	.735	15.19	Av	0	9.7	24.89	-	-	46	-21.11
7	.738	32.66	Pk	0	9.7	42.36	56	-13.64	-	-
9	8.991	29.02	Pk	.1	9.7	38.82	60	-21.18	-	-
10	9.009	12.18	Av	.1	9.7	21.98	-	-	50	-28.02
11	13.614	34.26	Pk	.1	9.8	44.16	60	-15.84	-	-
12	13.614	20.67	Av	.1	9.8	30.57	-	-	50	-19.43

Pk - Peak detector

Av - Average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
13	.153	34.82	Pk	.2	9.7	44.72	65.84	-21.12	-	-
14	.153	12.89	Av	.2	9.7	22.79	-	-	55.84	-33.05
15	.294	27.91	Pk	.1	9.7	37.71	60.41	-22.7	-	-
16	.294	7.21	Av	.1	9.7	17.01	-	-	50.41	-33.4
17	.567	22.61	Pk	0	9.7	32.31	56	-23.69	-	-
18	.582	7.8	Av	0	9.7	17.5	-	-	46	-28.5
20	.732	21.14	Av	0	9.7	30.84	-	-	46	-15.16
19	.747	32.03	Pk	0	9.7	41.73	56	-14.27	-	-
21	1.404	19.09	Pk	0	9.7	28.79	56	-27.21	-	-
22	1.407	8.59	Av	0	9.7	18.29	-	-	46	-27.71
23	12.87	33.69	Pk	.1	9.8	43.59	60	-16.41	-	-
24	12.873	20.01	Av	.1	9.8	29.91	-	-	50	-20.09
25	13.56	35.16	Pk	.1	9.8	45.06	60	-14.94	-	-
26	13.56	26.27	Av	.1	9.8	36.17	-	-	50	-13.83

Pk - Peak detector
Av - Average detection

12. SETUP PHOTOS

Please refer to R15872942-EP1 for setup diagrams

END OF TEST REPORT