



Report Number: R15980274-E10c
Issue Date: 2025-12-30
Product Name: GSM/WCDMA/LTE/NR Phone +
BT/BLE, DTS/UNII
a/b/g/n/ac/ax/be, WPT and NFC
Model Number: SC-51G, SCG36

Electromagnetic Compatibility Test Report

For

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



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REPORT NO: R15980274-E10c

DATE: 2025-12-30

EUT: GSM/WCDMA/LTE/NR Phone + BT/BLE,
DTS/UNII a/b/g/n/ac/ax/be, WPT and NFC

MODEL: SC-51G, SCG36

Test Report Details

Tests Performed By:	UL LLC 12 Laboratory Dr.. Durham, NC 27713, USA
Tests Performed For:	Samsung Electronics Co Ltd 129, Samsung-ro, Yeongtong-gu Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
Issue Date:	2025-12-30
Product Name:	GSM/WCDMA/LTE/NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax/be, WPT and NFC
Model Number Tested:	SC-51G, SCG36
FCC ID:	A3LSMS942JPN
Sample Serial Number:	YHK0046M, YHK0177M, YHK0082M, YHK0065M, YHK0076M, YHK0074M, YHK0129M, YHK0161M, YHK0165M, YKA2427M
Applicable Standards:	FCC 47 CFR PART 15 SUBPART B: 2025 ICES-003 ISSUE 7:2020 ICES-Gen, ISSUE 2: 2024 ANSI C63.4-2014
Date Test Item Received:	2025-09-09, 2025-09-11, 2025-09-19, 2025-09-22, 2025-10-01, 2025-10-01, 2025-10-07, 2025-11-19
Testing Date:	2025-10-10, 2025-12-29 to 2025-12-30
Date Testing Complete:	2025-12-30
Overall Results:	<u>COMPLIANT</u>

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.

This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the U.S. government.

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DTS/UNII a/b/g/n/ac/ax/be, WPT and NFC

MODEL: SC-51G, SCG36

Report Revision History

Revision Date	Revision Version	Description	Revised By	Revision Reviewed By
2025-12-30	V1	Initial Issue	Charlie Moody	Jeff Moser

1.0 SUMMARY

All tests were performed in accordance with ANSI C63.4:2014, ICES-003 ISSUE 7:2020, and ICES-Gen ISSUE 2: 2024.

1.1 Deviations from standard test methods

None

1.2 Device Modifications Necessary for Compliance

None

1.3 Applicable Standards

Standard
FCC 47 CFR PART 15 SUBPART B: 2025
ICES-003 ISSUE 7: 2020
ICES-Gen ISSUE 2: 2024
ANSI C63.4-2014

1.4 Summary of Tests

This product is considered Class B

Requirement – Test	Result (Compliant / Non-Compliant)
CONDUCTED EMISSIONS	Compliant
RADIATED EMISSIONS	

Approved & Released For

UL LLC. By:



Jeff Moser
Operations Manager
Consumer, Medical and IT Segment
UL LLC

Prepared By:



Charles Moody
Operations Leader
Consumer, Medical and IT Segment
UL LLC

2.0 DECISION RULES AND MEASUREMENT UNCERTAINTY

2.1 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.

2.2 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).

2.3 Measurement Uncertainty

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

PARAMETER	U_{lab}
Worst Case Conducted Disturbance, 0.15 to 30 MHz	± 3 dB
Worst Case Radiated Disturbance, All ranges	± 6 dB

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

2.4 Sample Calculation

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)

$$36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} = 28.9 \text{ dBuV/m}$$

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:

Final Voltage (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Limiter Factor (dB) + LISN Insertion Loss.

$$36.5 \text{ dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} = 46.6 \text{ dBuV}$$

3.0 GENERAL - Product Description

3.1 Equipment Description

The EUT is an GSM/WCDMA/LTE/NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax/be, WPT and NFC.

3.2 Equipment Marking Plate

N/A

3.3 Device Configuration During Test**3.3.1 Equipment Used During Test:**

Use	Product Type	Manufacturer	Model	Comments
EUT	GSM/WCDMA/LTE/NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax/be, WPT and NFC	Samsung	SC-51G, SCG36	None.
AE	AC Adapter	Flextronics	G-1000-US	Used to Power EUT
Note: EUT - Equipment Under Test, AE - Auxiliary/Associated Equipment, or SIM - Simulator (Not Subjected to Test)				

3.3.2 Input/Output Ports:

Port #	Name	Type*	Cable Max. >3m (Y/N)	Cable Shielded (Y/N)	Comments
0	Enclosure	N/E	N/A	N/A	EUT Housing
1	Charging Cable	DC	N	Y	None
*Note: AC = AC Power Port DC = DC Power Port N/E = Non-Electrical I/O = Signal Input or Output Port (Not Involved in Process Control) TP = Telecommunication Ports					

3.3.3 EUT Internal Operating Frequencies:

Frequency (MHz)	Description
7115	Highest internal frequency.

3.3.4 Power Interface:

Mode # /Rated	Voltage (V)	Current (A)	Power (W)	Frequency (DC/AC-Hz)	Phases (#)	Comments
Rated	5 Vdc	1	-	DC	-	None
1	5 Vdc	1	-	DC	-	Phone

3.3.5 Subassemblies

Description	Manufacturer	Model
None		

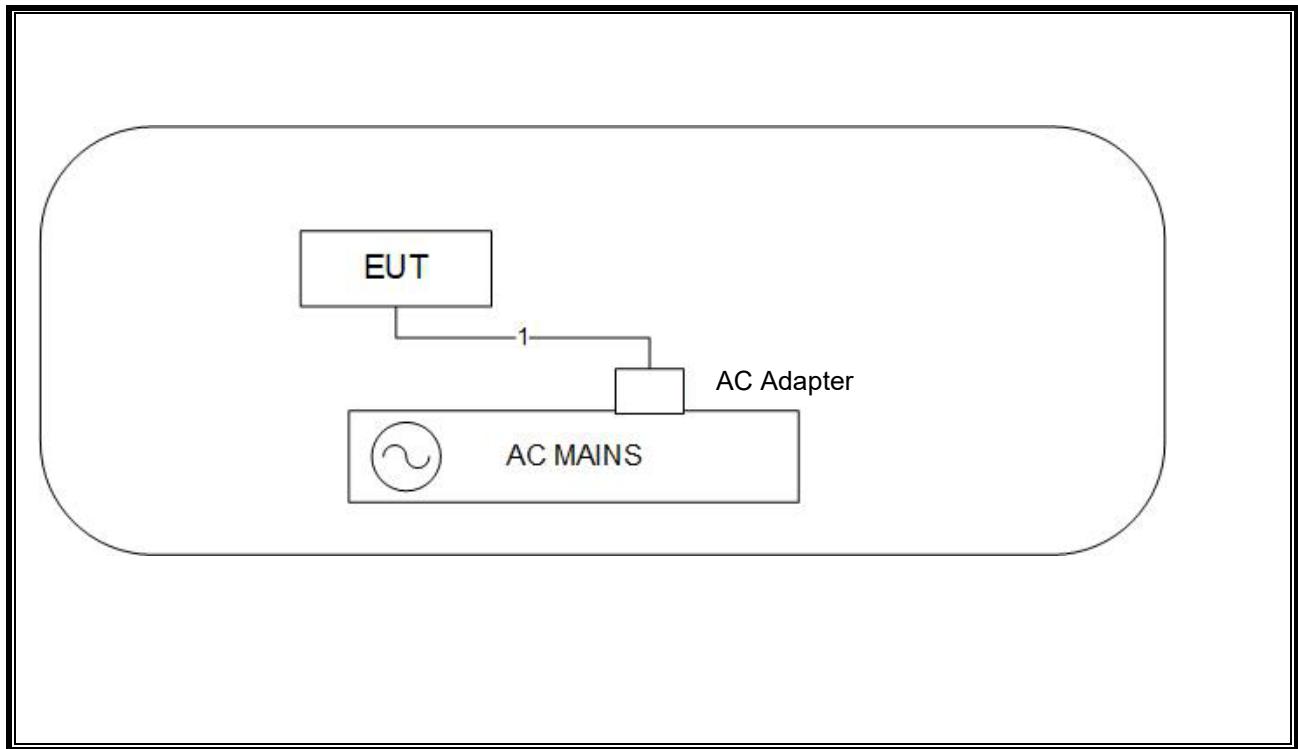
3.3.6 Manufacturer's Description of Model Differences

This report covers 2 models, the model differences and the representative model is shown below:

Representative Model	Difference	Derivative Model
		SCG36
SC-51G	Hardware	Same as SC-51G
	Software	Different UI

3.4 Block Diagram:

The diagram below illustrates the configuration of the equipment above.



3.5 EUT Configurations

Configuration #	Description
1	The EUT is tested as tabletop equipment and connected to power for charging.

3.6 EUT Operation Modes

Mode of Operation#	Description
1	The EUT is powered on and configured to run as intended. Its WWAN radios are set to Rx mode. The EUT supports LTE B5, LTE B12, LTE B13, GSM850, WCDMA850, NR n5 that operate between 30-960 MHz. Band 5, 12, and 13 were tested to represent all applicable supported bands (30-960 MHz).

3.7 Rationale for EUT Configurations

Configuration #	Description
1	The EUT can operate while charging and also under the power of its own battery. Both configurations were investigated and it was found that charging is the worst-case. The selected EUT configuration was chosen to maximize emissions. The EUT was investigated in three orthogonal orientations. Through pretesting, it was determined that the X-orientation was worst-case. Therefore, all testing was performed with the EUT in the X-orientation.

3.8 Rationale for EUT Mode of Operation

Mode of Operation #	Description
1	This report covers unintentional emissions. Therefore, testing was performed with the WWAN radios set to receive. The supported bands are LTE B5, LTE B12, LTE B13, GSM850, WCDMA850, NR n5 that operate between 30-960 MHz. Band 5, 12, and 13 were tested to represent all applicable supported bands (30-960 MHz).

4.0 APPLICABLE EMISSIONS LIMITS AND TEST RESULTS

This report contains data provided by the applicant which can impact the validity of results. UL LLC is only responsible for the validity of results after the integration of the data provided by the customer.

4.1 Test Conditions and Results – MAINS TERMINAL – CONDUCTED EMISSIONS

Test Standards	ANSI C63.4-2014 ICES-003 ISSUE 7: 2020 ICES-GEN ISSUE 2: 2024	
Test Engineer	104463/85502	
Test Date	2025-10-10	
Laboratory Parameters	Required prior to the test	During the test
Ambient Temperature	10-40°C	25 °C
Humidity	10% - 90%	39.5%
	Frequency range on each side of line	Measurement Point
Fully configured sample scanned over the following frequency range	150kHz to 30MHz	Mains
Limits – Class B		
Frequency (MHz)	Limit (dBμV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50
Supplementary information: None		

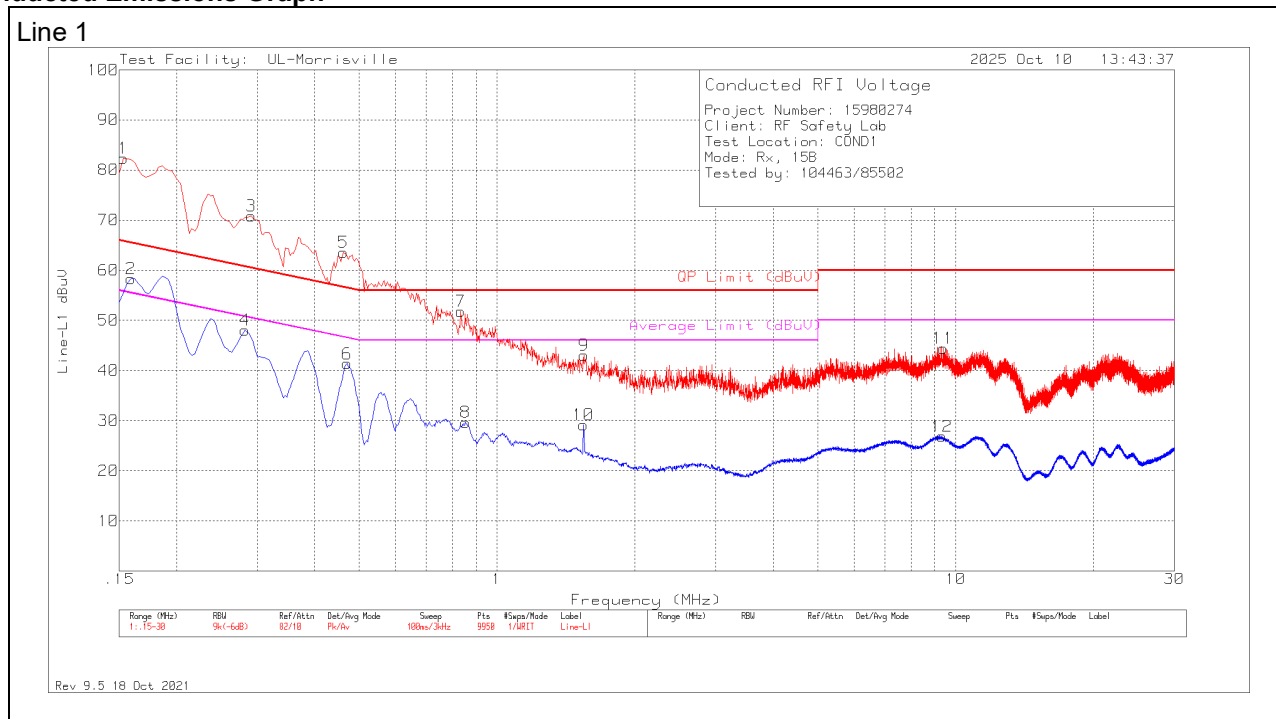
Conducted Emissions EUT Configuration Settings

Power Interface #	EUT Configurations #	EUT Mode of Operation#
1	1	1
Supplementary information: None		

Conducted Emissions Test Equipment

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

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
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	2025-08-5	2026-08-06
80391	LISN, 50-ohm/50-uH, 250uH 2-conductor, 25A	Fischer Custom Com.	FCC-LISN-50/250-25-2-01	2025-09-29	2026-09-29
75141	EMI Test Receiver 9kHz-7GHz	Rohde & Schwarz	ESCI 7	2025-7-30	2026-07-30
52859	Transient Limiter, 0.009-100MHz	Electro-Metrics	EM-7600	2025-7-30	2026-07-30
PS216	AC Power Source	Elgar	CW2501M	NA	NA
84681	ANSI C63.4 1m extension cable.	UL	Per Annex B of ANSI C63.4	2025-04-17	2026-04-17
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		

Results**Conducted Emissions Graph****Conducted Emissions Data Points**

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	.1542	51.27	Qp	.2	9.7	61.17	65.77	-4.6	-	-
2	.1542	31.71	Ca	.2	9.7	41.61	-	-	55.77	-14.16
4	.28481	42.74	Qp	.1	9.7	52.54	60.67	-8.13	-	-
3	.28481	23.48	Ca	.1	9.7	33.28	-	-	50.67	-17.39
5	.44458	35.06	Qp	0	9.7	44.76	56.98	-12.22	-	-
6	.44458	20.61	Ca	0	9.7	30.31	-	-	46.98	-16.67
7	.83501	22.71	Qp	0	9.7	32.41	56	-23.59	-	-
8	.83501	8.09	Ca	0	9.7	17.79	-	-	46	-28.21
10	1.545	19.42	Av	0	9.7	29.12	-	-	46	-16.88
9	1.548	33.34	Pk	0	9.7	43.04	56	-12.96	-	-
12	9.33	17.05	Av	.1	9.7	26.85	-	-	50	-23.15
11	9.384	34.6	Pk	.1	9.7	44.4	60	-15.6	-	-

Pk - Peak detector

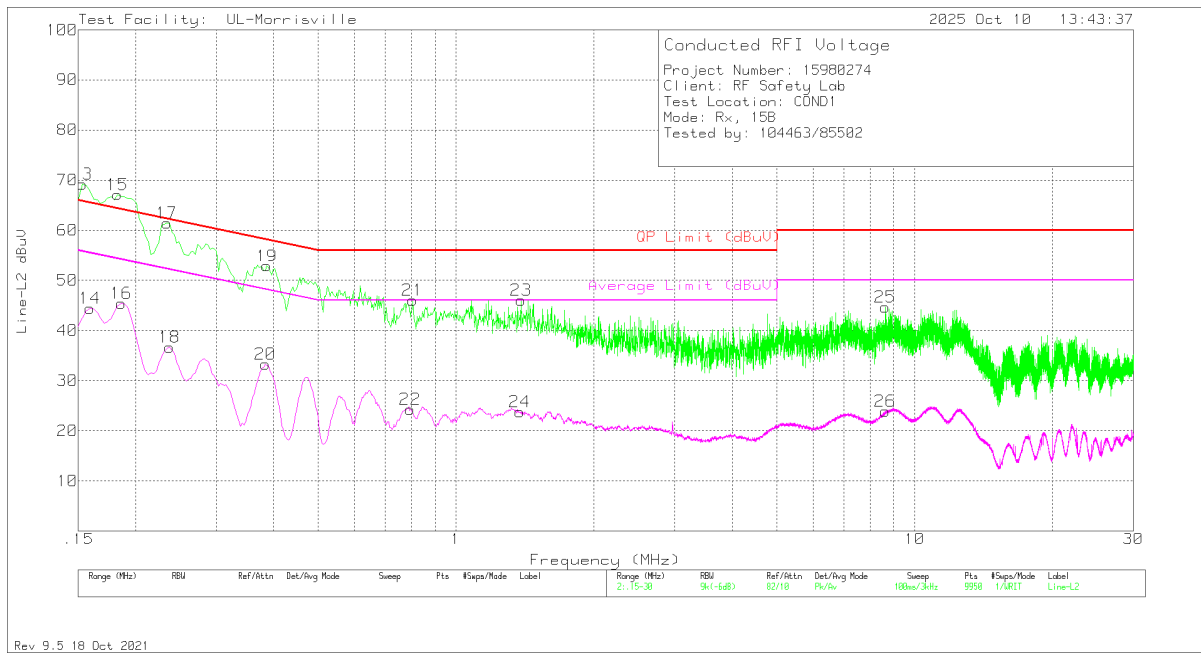
Av - Average detection

Qp - Quasi-Peak detector

Ca - CISPR average detection

Conducted Emissions Graph

Line 2



Conducted Emissions Data Points

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	.16073	50.16	Qp	.2	9.7	60.06	65.43	-5.37	-	-
14	.159	34.48	Av	.2	9.7	44.38	-	-	55.52	-11.14
15	.16572	49.94	Qp	.2	9.7	59.84	65.17	-5.33	-	-
16	.186	35.52	Av	.2	9.7	45.42	-	-	54.21	-8.79
17	.21654	44.44	Qp	.1	9.7	54.24	62.95	-8.71	-	-
18	.237	26.82	Av	.1	9.7	36.62	-	-	52.2	-15.58
20	.384	23.52	Av	.1	9.7	33.32	-	-	48.19	-14.87
19	.373	33.34	Qp	.1	9.7	43.14	58.43	-15.29	-	-
22	.795	14.59	Av	0	9.7	24.29	-	-	46	-21.71
21	.804	36.38	Pk	0	9.7	46.08	56	-9.92	-	-
24	1.377	14.1	Av	0	9.7	23.8	-	-	46	-22.2
23	1.386	36.34	Pk	0	9.7	46.04	56	-9.96	-	-
25	8.622	34.91	Pk	.1	9.7	44.71	60	-15.29	-	-
26	8.637	14.12	Av	.1	9.7	23.92	-	-	50	-26.08

Pk - Peak detector

Av - Average detection

Qp - Quasi-Peak detector

5.0 APPLICABLE EMISSIONS LIMITS AND TEST RESULTS

This report contains data provided by the applicant which can impact the validity of results. UL LLC is only responsible for the validity of results after the integration of the data provided by the customer.

5.1 Test Conditions and Results - RADIATED EMISSIONS

Test Description	Measurements were made in a 3-meter semi-anechoic chamber that complies to CISPR 16/ANSI C63.4. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3-meter. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in both horizontal and vertical polarities. Final measurements (quasi-peak or average as noted) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4-meters. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.	
Test Standards	ANSI C63.4-2014 ICES-003 ISSUE 7: 2020 ICES-GEN ISSUE 2: 2024	
Test Engineer	85501, 22797	
Date Tested	2025-12-29 to 2025-12-30	
Laboratory Parameters	Required prior to the test	During the test
Ambient Temperature	10-40°C	20.0-25 °C
Humidity	10% to 90%	30-60%
	Frequency range	Measurement Point
Fully configured sample scanned over the following frequency range	30 MHz to 13 GHz	3 m
Limits - Class B		
Frequency (MHz)	Limit (dBµV/m)	
FCC Limits for radiated disturbance of Class B ITE at measuring distance of 3 m		
30-88	40	NA
88-216	43.5	NA
216-230	46	NA
230-960	46 (FCC) / 47 (ICES)	NA
Above 960	54	NA
	Peak	Average
Above 1 GHz	74	54
Supplementary information: FCC limits used as worst-case		

Radiated Emissions EUT Configuration Settings

Power Interface #	EUT Configurations #	EUT Mode of Operation#
1	1	1
Supplementary information: None		

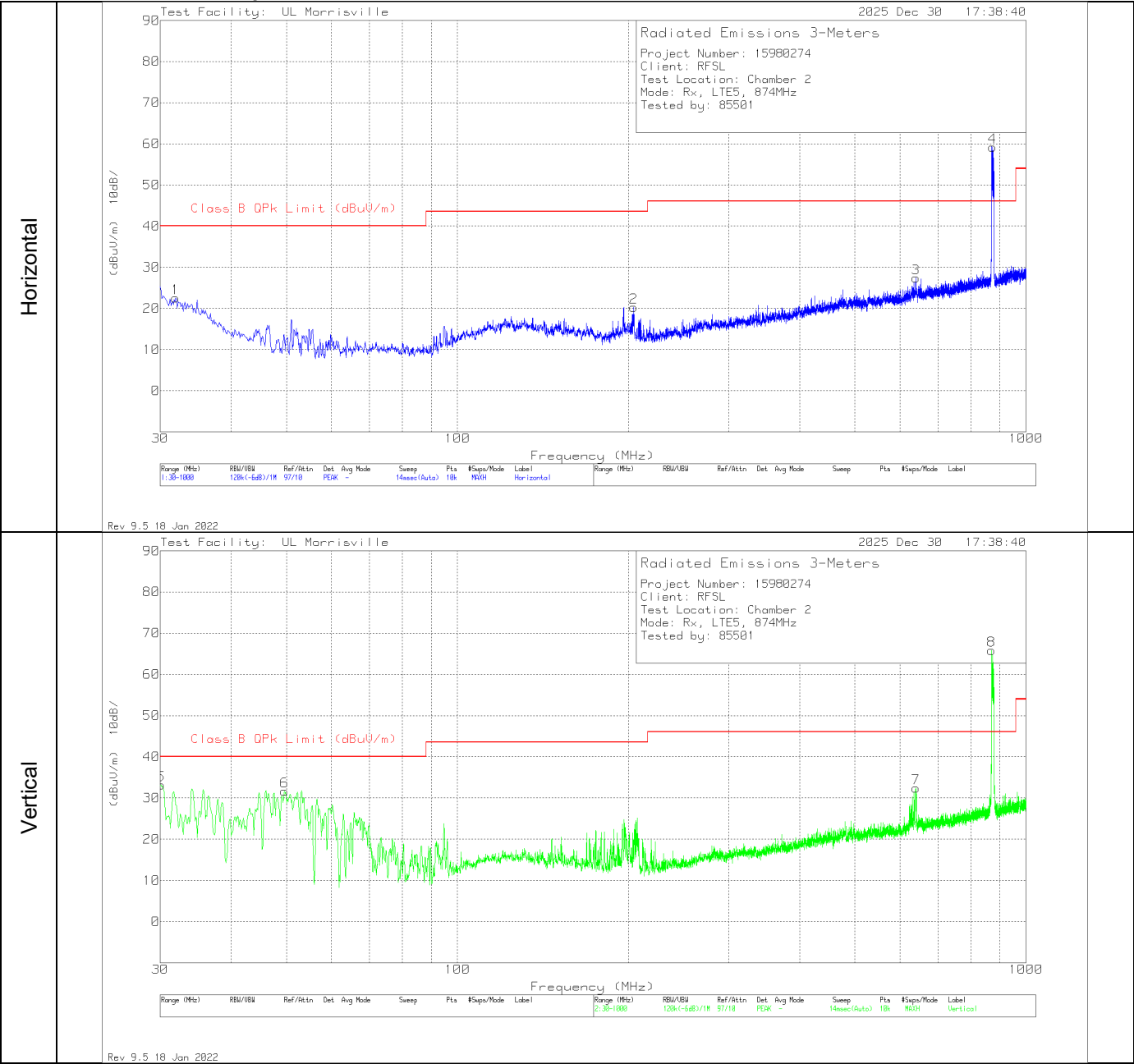
Radiated Emissions Test Equipment

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

Equip. ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
	30-1000 MHz				
159203	Hybrid Broadband Antenna	Sunol Sciences Corp.	JB3	2024-03-05	2026-03-05
	1-18 GHz				
86408	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2025-07-15	2027-07-15
	Gain-Loss Chains				
91978	Gain-loss string: 25-1000MHz	Various	Various	2025-05-31	2026-05-31
91977	Gain-loss string: 1-18GHz	Various	Various	2025-05-31	2026-05-31
	Receiver & Software				
206496	Spectrum Analyzer	Rohde & Schwarz	ESW44	2025-07-29	2026-07-29
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
	Additional Equipment used				
239540	Environmental Meter	Fisher Scientific	15-077-963	2025-08-05	2027-08-05
213025	Wideband Radio Communications Tester	Rohde and Schwarz	CMW500	2025-01-14	2026-01-14

RADIATED EMISSIONS 30 TO 1000 MHz (LTE B5 874 MHz)

Radiated Emissions Graph



Radiated Emissions Data Points

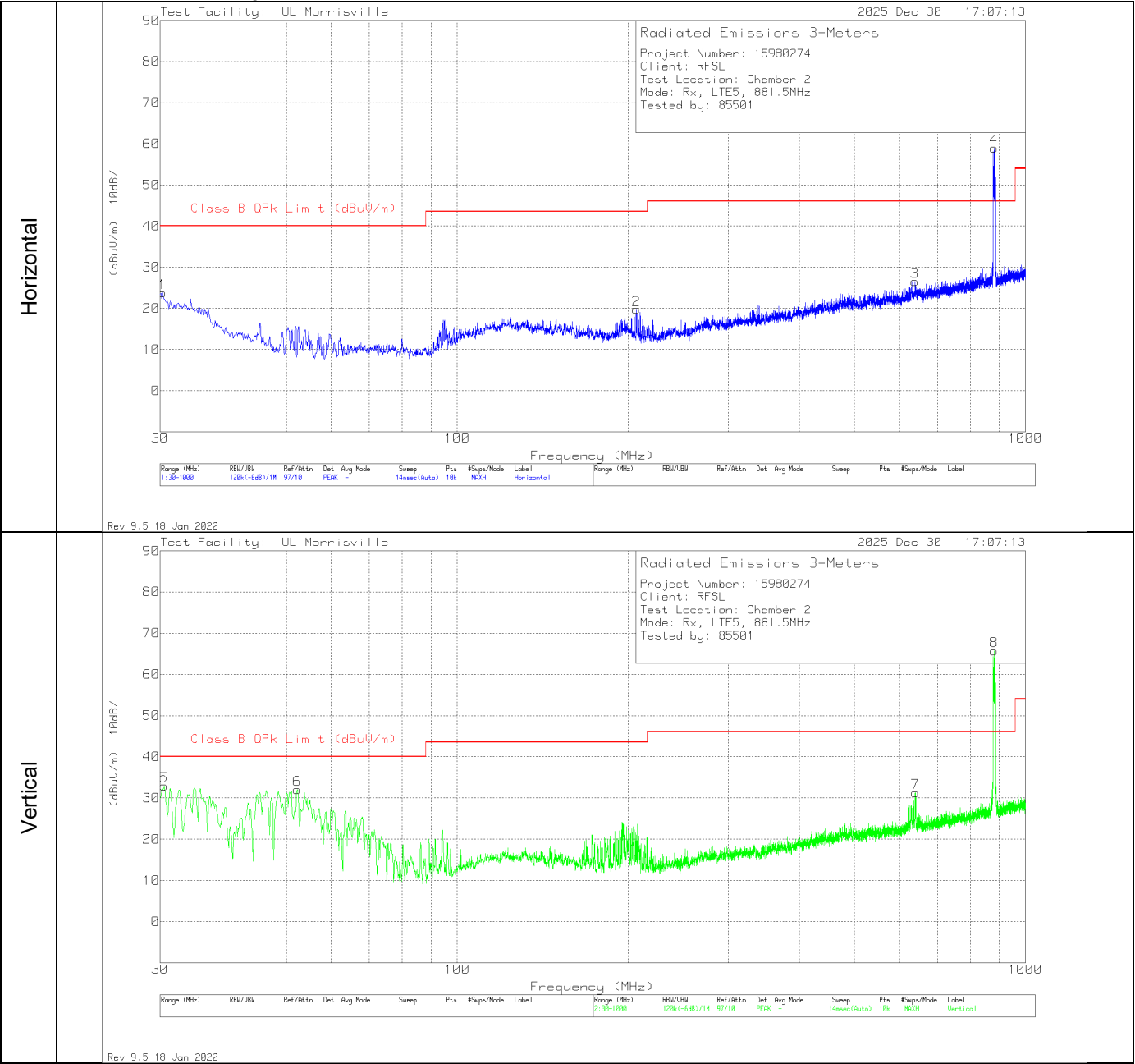
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	159203 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	30.097	37.12	Pk	27.3	-31.2	33.22	40	-6.78	0-360	101	V
1	31.94	28.29	Pk	26	-31.8	22.49	40	-17.51	0-360	199	H
6	49.594	48.66	Pk	14.5	-31.5	31.66	40	-8.34	0-360	101	V
2	204.309	32.45	Pk	17.8	-30	20.25	43.52	-23.27	0-360	101	H
3	640.518	28.36	Pk	26.4	-27.4	27.36	46.02	-18.66	0-360	199	H
7	640.518	33.41	Pk	26.4	-27.4	32.41	46.02	-13.61	0-360	101	V
8	869.632	63.62	Pk	28.5	-26.3	65.82	-	-	0-360	101	V
4	873.609	57.18	Pk	28.4	-26.4	59.18	-	-	0-360	299	H

Pk - Peak detector

DL - Downlink

RADIATED EMISSIONS 30 TO 1000 MHz (LTE B5 881.5 MHz)

Radiated Emissions Graph



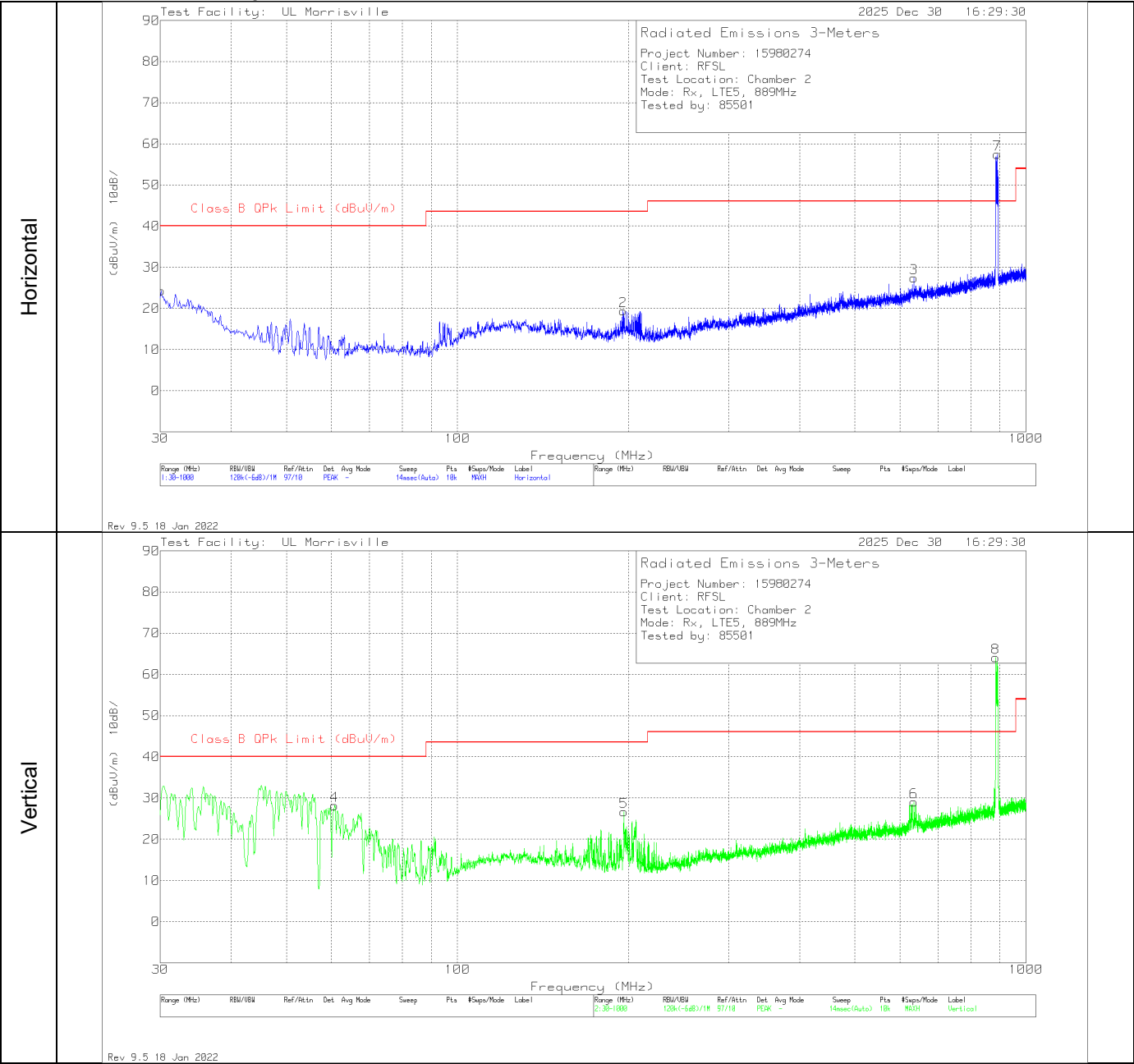
Radiated Emissions Data Points

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	159203 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.291	27.77	Pk	27.2	-31.2	23.77	40	-16.23	0-360	199	H
5	30.485	37.12	Pk	27.1	-31.3	32.92	40	-7.08	0-360	101	V
6	52.31	49.67	Pk	13.9	-31.5	32.07	40	-7.93	0-360	101	V
2	206.54	32.32	Pk	17.1	-29.7	19.72	43.52	-23.8	0-360	101	H
3	638.772	27.59	Pk	26.4	-27.5	26.49	46.02	-19.53	0-360	101	H
7	640.906	32.55	Pk	26.4	-27.7	31.25	46.02	-14.77	0-360	101	V
8	881.078 (DL)	63.07	Pk	28.6	-25.9	65.77	-	-	0-360	101	V
4	881.272 (DL)	56.27	Pk	28.6	-25.9	58.97	-	-	0-360	399	H

Pk - Peak detector

RADIATED EMISSIONS 30 TO 1000 MHz (LTE B5 889 MHz)

Radiated Emissions Graph



Radiated Emissions Data Points

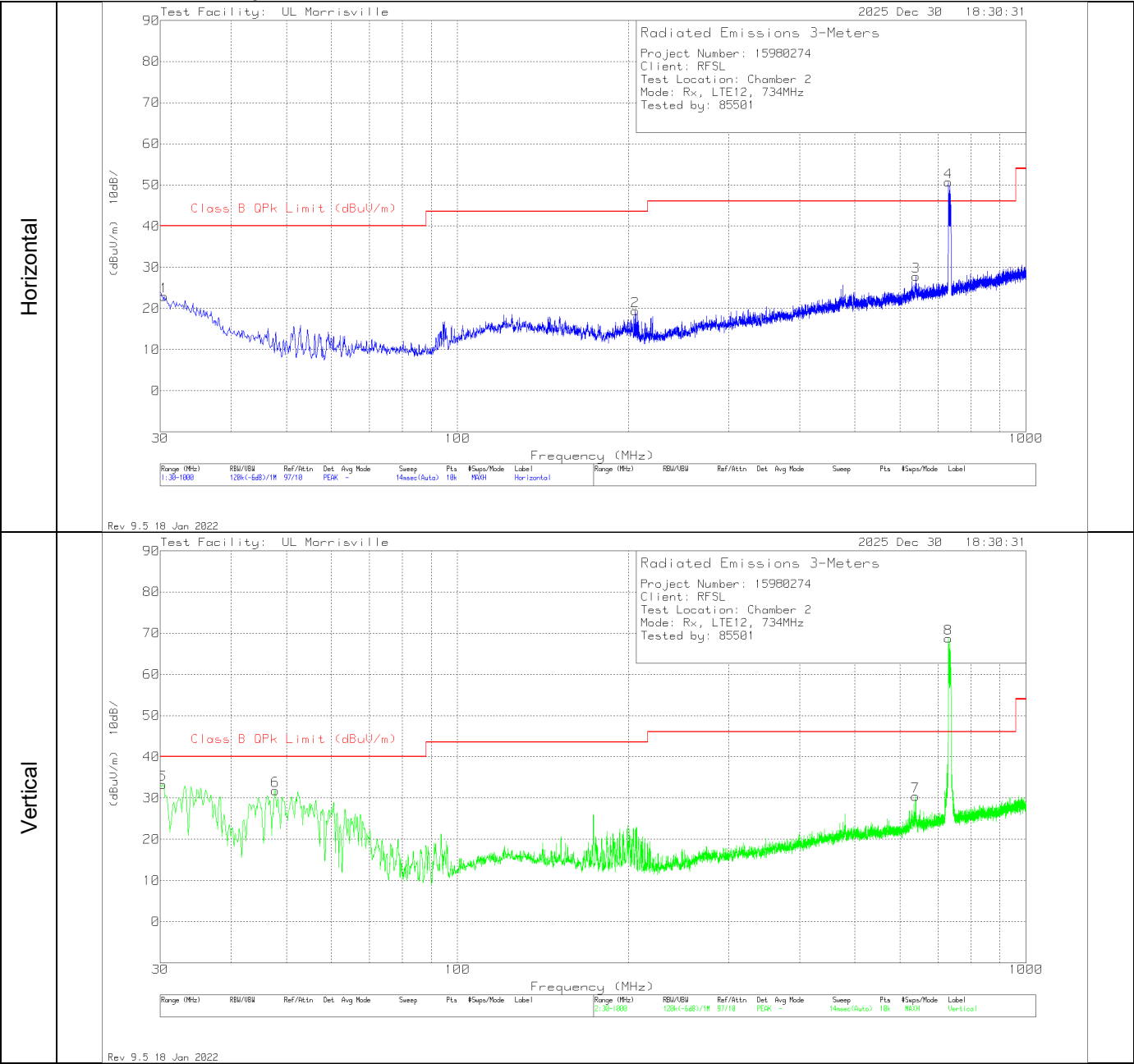
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	159203 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.097	28.22	Pk	27.3	-31.2	24.32	40	-15.68	0-360	101	H
4	60.7975	45.74	Pk	14.1	-31.7	28.14	40	-11.86	0-360	101	V
2	195.579	30.76	Pk	18.4	-29.7	19.46	43.52	-24.06	0-360	199	H
5	196.161	37.86	Pk	18.4	-29.6	26.66	43.52	-16.86	0-360	101	V
3	635.183	29.3	Pk	26.4	-28.3	27.4	46.02	-18.62	0-360	399	H
6	635.183	30.93	Pk	26.4	-28.3	29.03	46.02	-16.99	0-360	101	V
8	884.861	62.23	Pk	28.7	-26.8	64.13	-	-	0-360	101	V
7	889.129	54.88	Pk	28.8	-26.2	57.48	-	-	0-360	399	H

Pk - Peak detector

DL - Downlink

RADIATED EMISSIONS 30 TO 1000 MHz (LTE B12 734 MHz)

Radiated Emissions Graph



Radiated Emissions Data Points

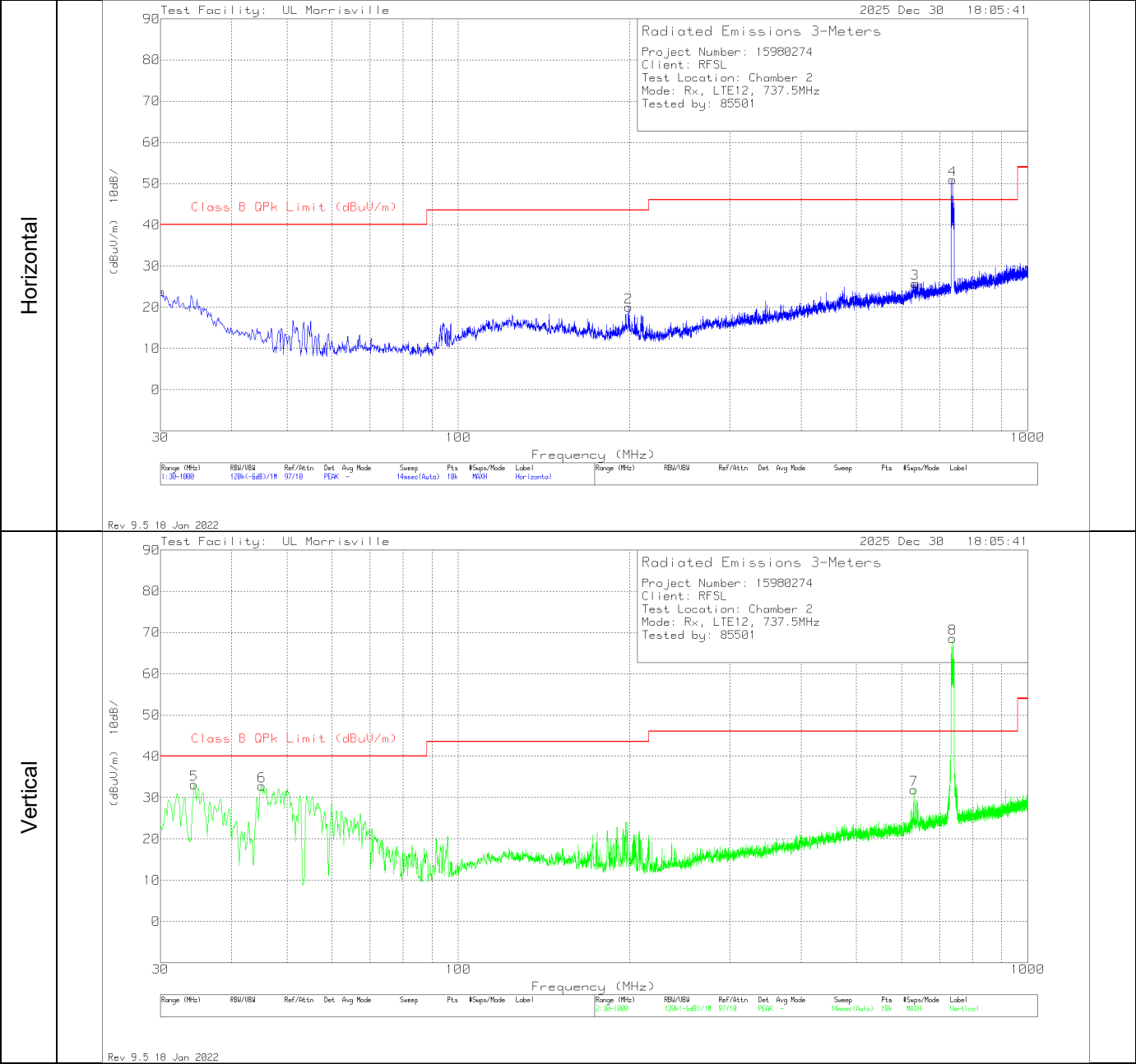
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	159203 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	30.291	37.29	Pk	27.2	-31.2	33.29	40	-6.71	0-360	101	V
1	30.485	27.15	Pk	27.1	-31.3	22.95	40	-17.05	0-360	399	H
6	47.848	48.54	Pk	15.2	-31.9	31.84	40	-8.16	0-360	101	V
2	205.376	31.6	Pk	17.4	-29.6	19.4	43.52	-24.12	0-360	101	H
7	639.548	31.99	Pk	26.4	-28	30.39	46.02	-15.63	0-360	101	V
3	640.712	28.94	Pk	26.4	-27.5	27.84	46.02	-18.18	0-360	101	H
8	729.855	69.58	Pk	27.1	-27.9	68.78	-	-	0-360	101	V
4	729.952	51.58	Pk	27.1	-28	50.68	-	-	0-360	199	H

Pk - Peak detector

DL - Downlink

RADIATED EMISSIONS 30 TO 1000 MHz (LTE B12 737.5 MHz)

Radiated Emissions Graph



Radiated Emissions Data Points

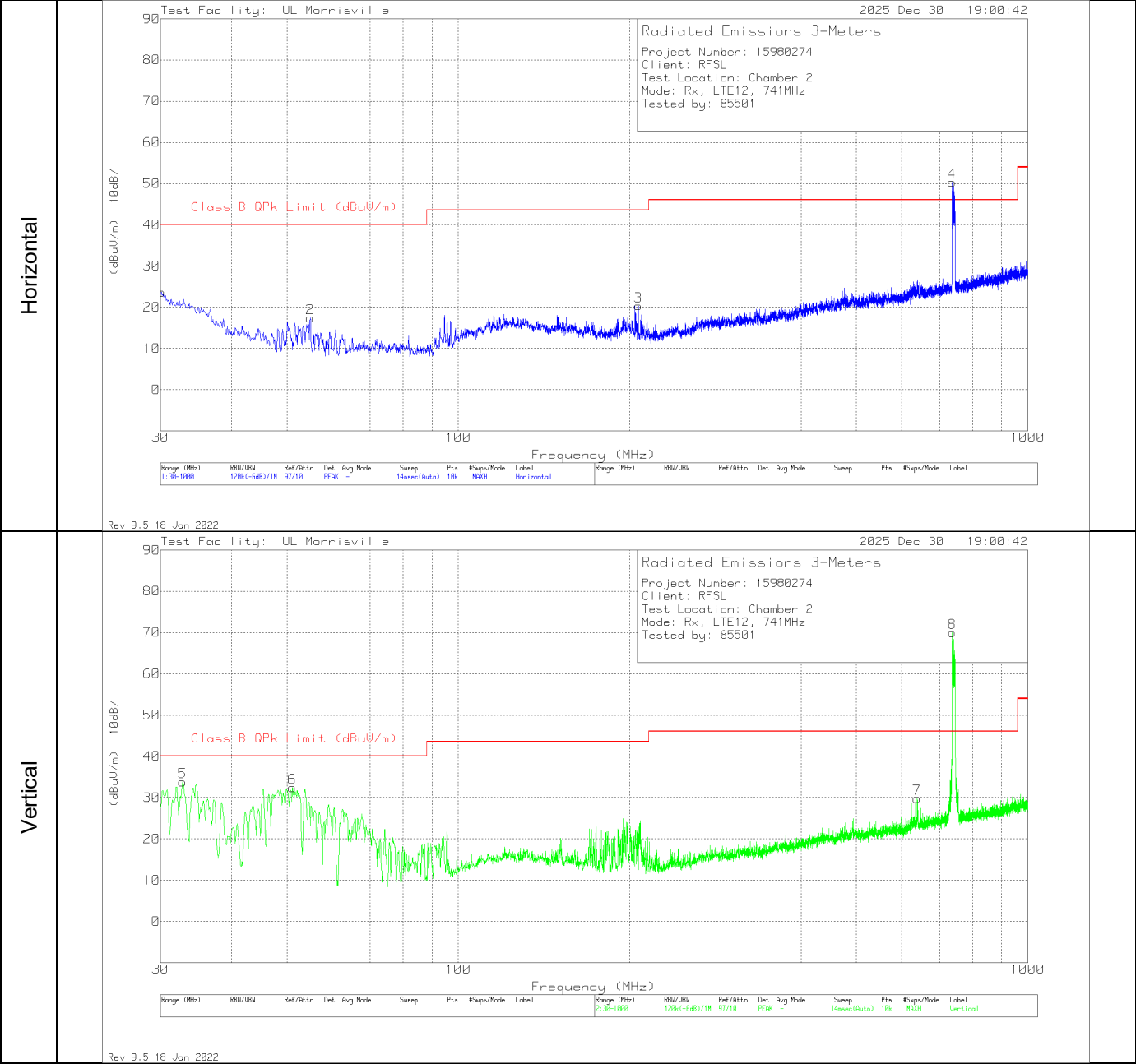
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	159203 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.097	27.63	Pk	27.3	-31.2	23.73	40	-16.27	0-360	399	H
5	34.365	40.3	Pk	24.5	-31.6	33.2	40	-6.8	0-360	101	V
6	45.229	48.08	Pk	16.6	-31.9	32.78	40	-7.22	0-360	101	V
2	199.071	30.95	Pk	18.9	-29.8	20.05	43.52	-23.47	0-360	101	H
7	631.497	33.61	Pk	26.2	-27.9	31.91	46.02	-14.11	0-360	101	V
3	634.019	27.21	Pk	26.3	-27.7	25.81	46.02	-20.21	0-360	299	H
4	737.13	51.9	Pk	27.2	-28.2	50.9	-	-	0-360	199	H
8	737.227	69.82	Pk	27.2	-28.4	68.62	-	-	0-360	101	V

Pk - Peak detector

DL - Downlink

RADIATED EMISSIONS 30 TO 1000 MHz (LTE B12 741 MHz)

Radiated Emissions Graph



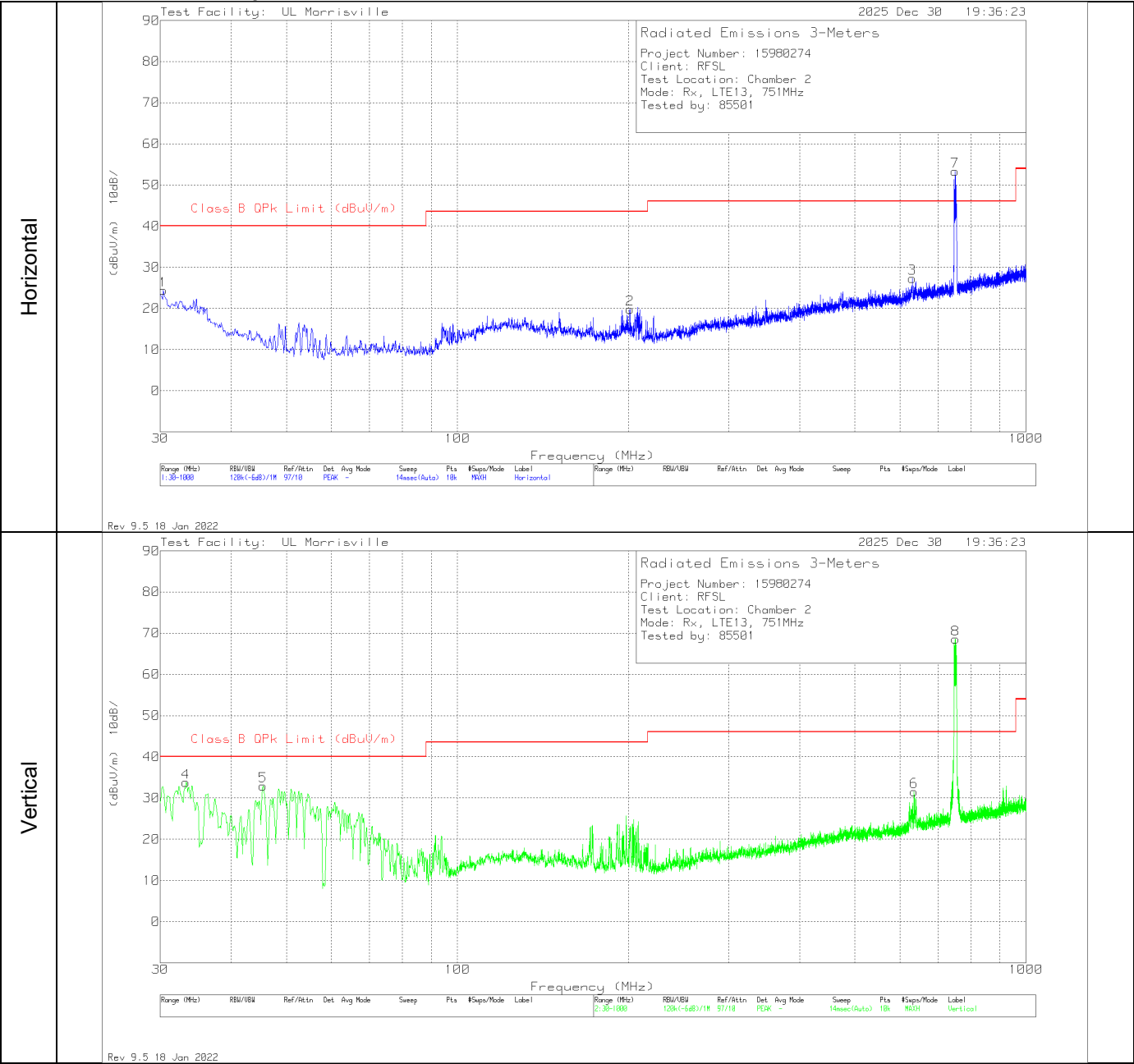
Radiated Emissions Data Points

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	159203 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.097	27.54	Pk	27.3	-31.2	23.64	40	-16.36	0-360	199	H
5	32.813	39.9	Pk	25.5	-31.6	33.8	40	-6.2	0-360	101	V
6	51.146	49.25	Pk	14.1	-30.9	32.45	40	-7.55	0-360	101	V
2	54.929	35.31	Pk	13.7	-31.6	17.41	40	-22.59	0-360	101	H
3	207.025	32.64	Pk	17.1	-29.4	20.34	43.52	-23.18	0-360	101	H
7	639.548	31.39	Pk	26.4	-28	29.79	46.02	-16.23	0-360	101	V
4	736.645	50.64	Pk	27.2	-27.5	50.34	-	-	0-360	199	H
8	736.936	70.56	Pk	27.2	-27.8	69.96	-	-	0-360	101	V

Pk - Peak detector

RADIATED EMISSIONS 30 TO 1000 MHz (LTE B13 751 MHz)

Radiated Emissions Graph



Radiated Emissions Data Points

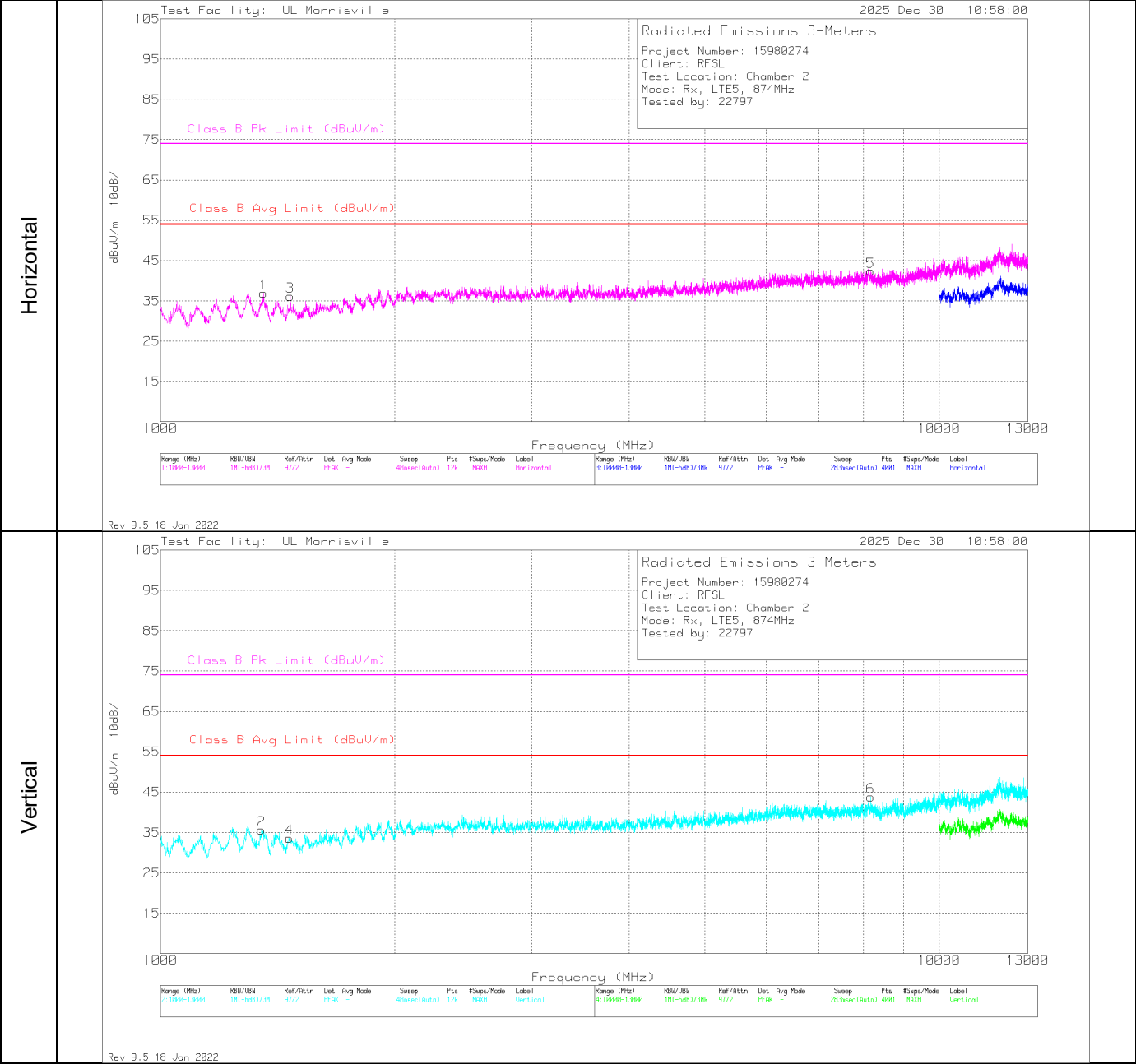
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1	30.388	28.56	Pk	27.1	-31.3	24.36	40	-15.64	0-360	399	H
4	33.298	40.25	Pk	25.2	-31.7	33.75	40	-6.25	0-360	101	V
5	45.52	48.11	Pk	16.4	-31.6	32.91	40	-7.09	0-360	101	V
2	201.011	31.12	Pk	18.9	-30.2	19.82	43.52	-23.7	0-360	101	H
3	631.109	28.86	Pk	26.2	-27.8	27.26	46.02	-18.76	0-360	399	H
6	635.668	33.39	Pk	26.4	-28.2	31.59	46.02	-14.43	0-360	101	V
7	750.516 (DL)	53.66	Pk	27.3	-27.6	53.36	-	-	0-360	199	H
8	751.001 (DL)	68.94	Pk	27.3	-27.7	68.54	-	-	0-360	101	V

Pk - Peak detector

DL - Downlink

RADIATED EMISSIONS 1000 TO 13,000 MHz (LTE B5 874 MHz)

Radiated Emissions Graph



REPORT NO: R15980274-E10c

DATE: 2025-12-30

EUT: GSM/WCDMA/LTE/NR Phone + BT/BLE,
DTS/UNII a/b/g/n/ac/ax/be, WPT and NFC

MODEL: SC-51G, SCG36

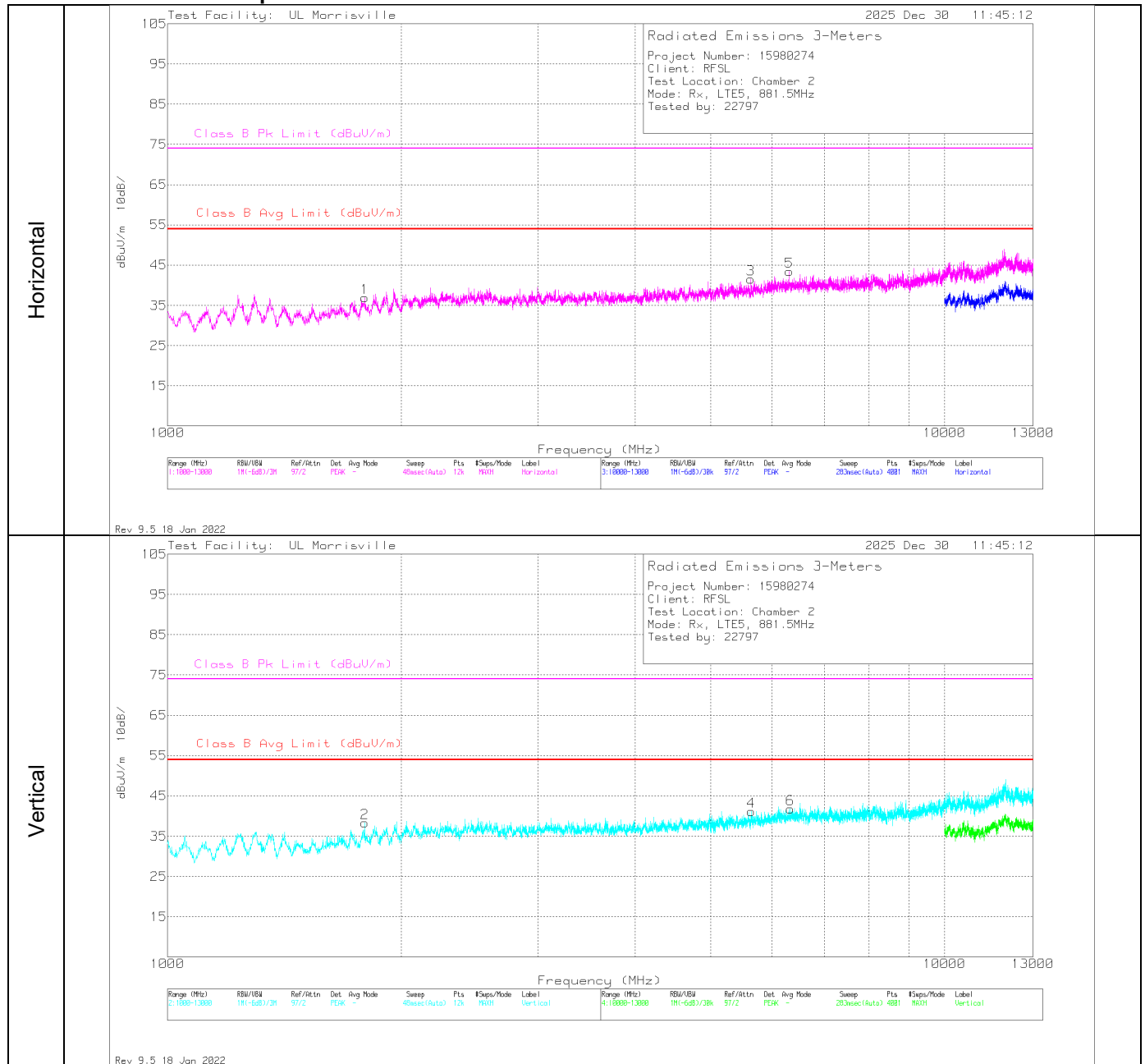
Radiated Emissions Data Points

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	1348	55.77	Pk	29	-49.1	35.67	54	-18.33	74	-38.33	0-360	101	V
1	1356	57.42	Pk	29	-49.5	36.92	54	-17.08	74	-37.08	0-360	101	H
4	1464	55.01	Pk	28.2	-49.6	33.61	54	-20.39	74	-40.39	0-360	200	V
3	1468	57.82	Pk	28.1	-49.8	36.12	54	-17.88	74	-37.88	0-360	101	H
6	8168	49.86	Pk	36	-42	43.86	54	-10.14	74	-30.14	0-360	200	V
5	8171	48.36	Pk	36	-42	42.36	54	-11.64	74	-31.64	0-360	101	H

Pk - Peak detector

RADIATED EMISSIONS 1000 TO 13,000 MHz (LTE B5 881.5 MHz)

Radiated Emissions Graph



REPORT NO: R15980274-E10c

DATE: 2025-12-30

EUT: GSM/WCDMA/LTE/NR Phone + BT/BLE,
DTS/UNII a/b/g/n/ac/ax/be, WPT and NFC

MODEL: SC-51G, SCG36

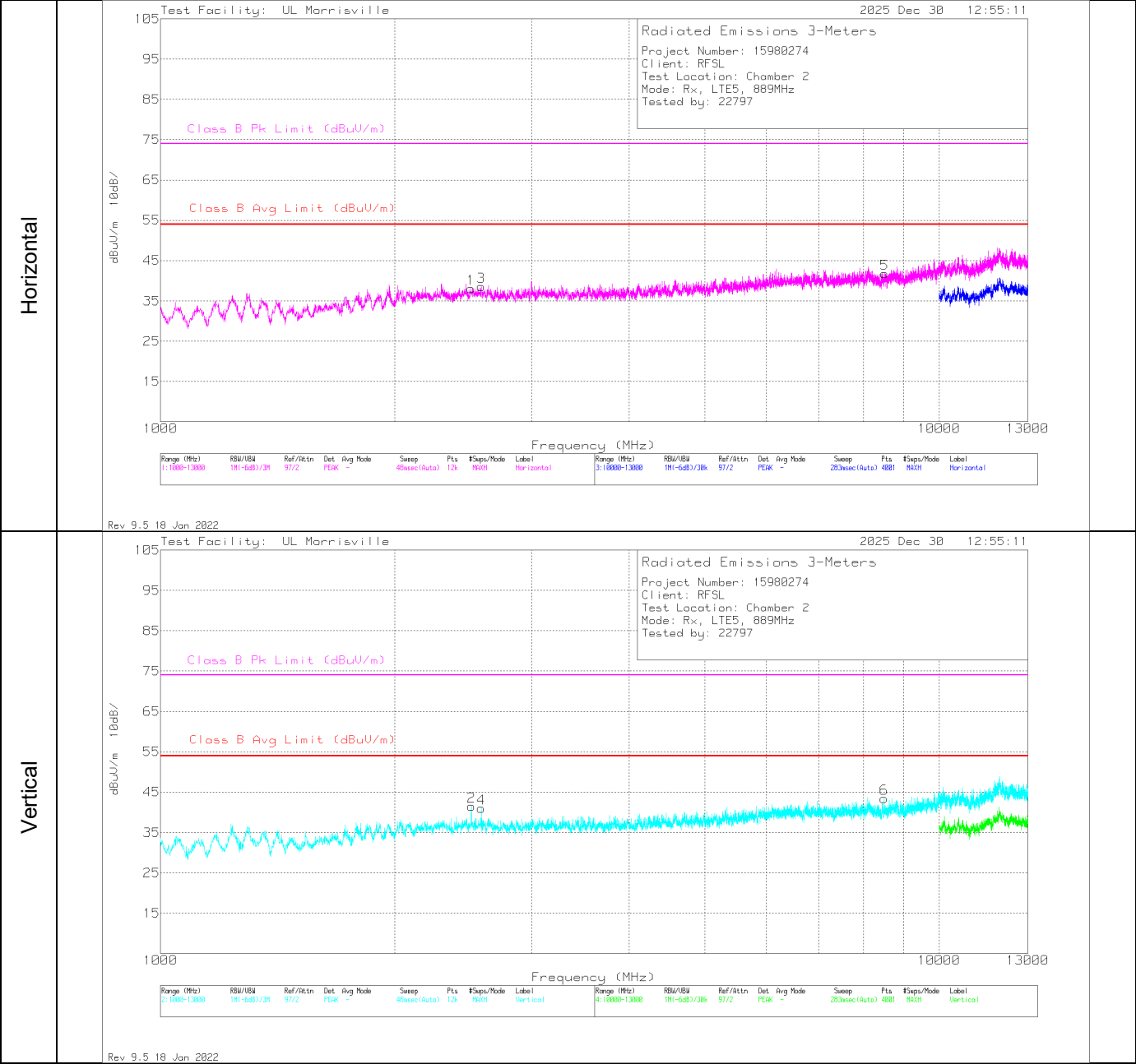
Radiated Emissions Data Points

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	1793	57.88	Pk	30.4	-50	38.28	54	-15.72	74	-35.72	0-360	200	V
1	1794	56.53	Pk	30.5	-50.1	36.93	54	-17.07	74	-37.07	0-360	200	H
3	5633	51.31	Pk	34.7	-44.5	41.51	54	-12.49	74	-32.49	0-360	200	H
4	5642	50.96	Pk	34.7	-44.5	41.16	54	-12.84	74	-32.84	0-360	101	V
5	6318	50.85	Pk	35.7	-43.1	43.45	54	-10.55	74	-30.55	0-360	101	H
6	6330	49.33	Pk	35.7	-43.2	41.83	54	-12.17	74	-32.17	0-360	101	V

Pk - Peak detector

RADIATED EMISSIONS 1000 TO 13,000 MHz (LTE B5 889 MHz)

Radiated Emissions Graph



REPORT NO: R15980274-E10c

DATE: 2025-12-30

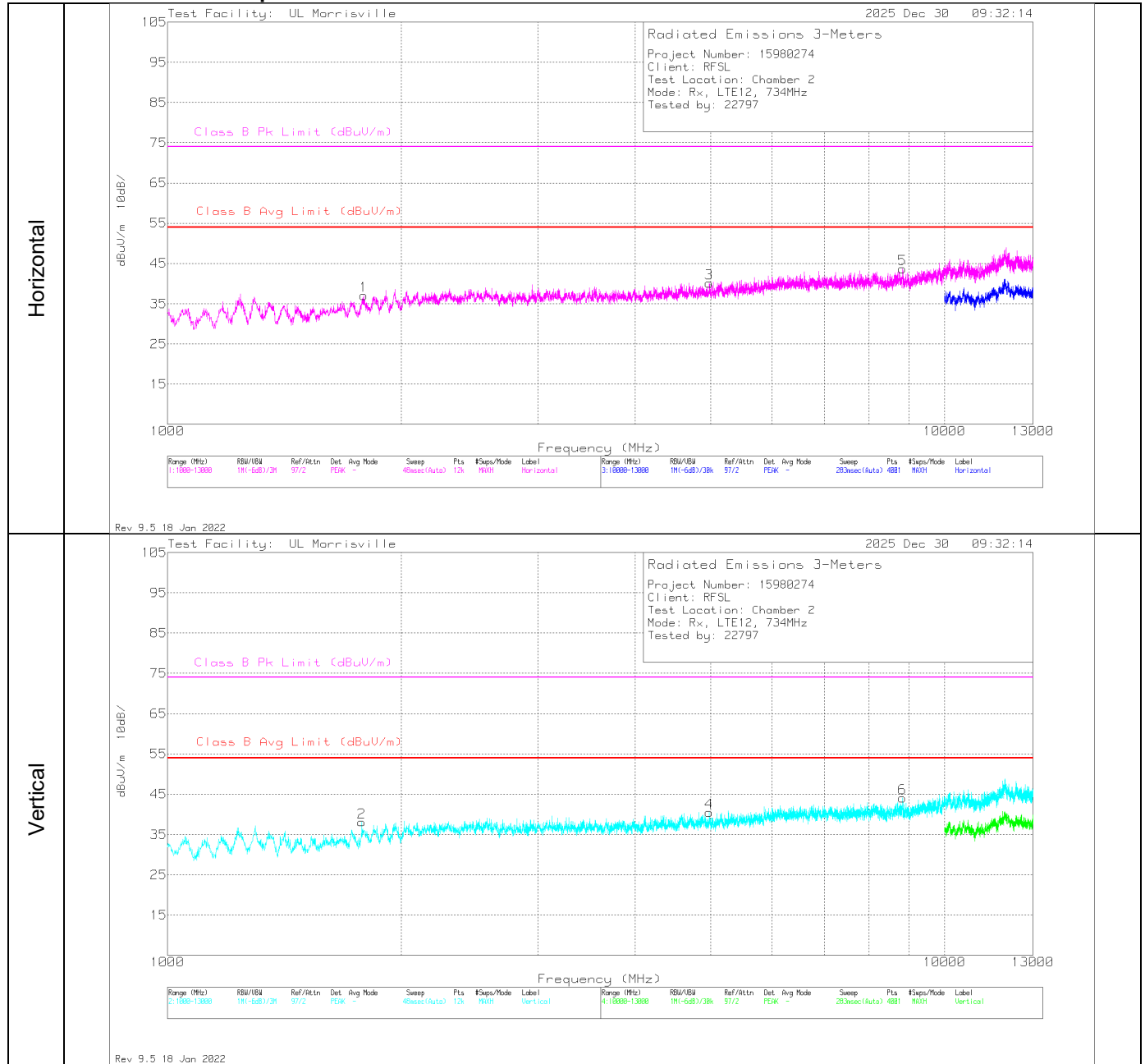
EUT: GSM/WCDMA/LTE/NR Phone + BT/BLE,
DTS/UNII a/b/g/n/ac/ax/be, WPT and NFC

MODEL: SC-51G, SCG36

Radiated Emissions Data Points

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2506	53.4	Pk	32.8	-48.1	38.1	54	-15.9	74	-35.9	0-360	200	H
2	2507	56.81	Pk	32.8	-48.1	41.51	54	-12.49	74	-32.49	0-360	101	V
4	2581	56.2	Pk	33	-48.2	41	54	-13	74	-33	0-360	101	V
3	2584	53.79	Pk	33	-48.2	38.59	54	-15.41	74	-35.41	0-360	200	H
6	8504	49.06	Pk	35.9	-41.5	43.46	54	-10.54	74	-30.54	0-360	200	V
5	8511	47.57	Pk	35.9	-41.7	41.77	54	-12.23	74	-32.23	0-360	200	H

Pk - Peak detector

RADIATED EMISSIONS 1000 TO 13,000 MHz (LTE B12 734 MHz)**Radiated Emissions Graph**

REPORT NO: R15980274-E10c

DATE: 2025-12-30

EUT: GSM/WCDMA/LTE/NR Phone + BT/BLE,
DTS/UNII a/b/g/n/ac/ax/be, WPT and NFC

MODEL: SC-51G, SCG36

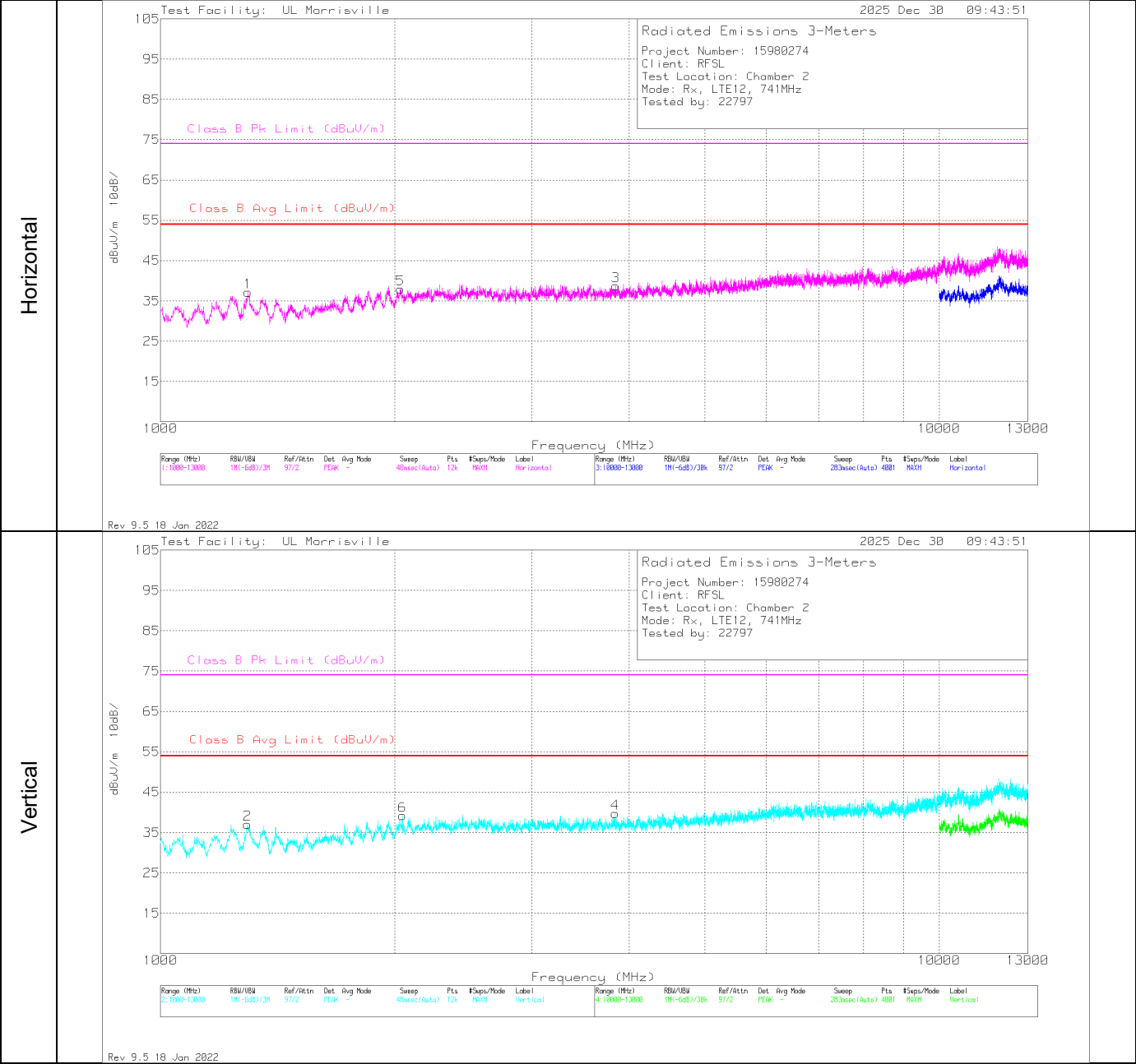
Radiated Emissions Data Points

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	1779	57.13	Pk	30.3	-49.3	38.13	54	-15.87	74	-35.87	0-360	101	V
1	1789	56.43	Pk	30.4	-49.8	37.03	54	-16.97	74	-36.97	0-360	101	H
4	4981	51.13	Pk	34.1	-44.7	40.53	54	-13.47	74	-33.47	0-360	200	V
3	4982	50.54	Pk	34.1	-44.5	40.14	54	-13.86	74	-33.86	0-360	200	H
5	8826	48	Pk	35.9	-40.2	43.7	54	-10.3	74	-30.3	0-360	200	H
6	8833	48.38	Pk	35.9	-40.2	44.08	54	-9.92	74	-29.92	0-360	200	V

Pk - Peak detector

RADIATED EMISSIONS 1000 TO 13,000 MHz (LTE B12 741 MHz)

Radiated Emissions Graph



REPORT NO: R15980274-E10c

DATE: 2025-12-30

EUT: GSM/WCDMA/LTE/NR Phone + BT/BLE,
DTS/UNII a/b/g/n/ac/ax/be, WPT and NFC

MODEL: SC-51G, SCG36

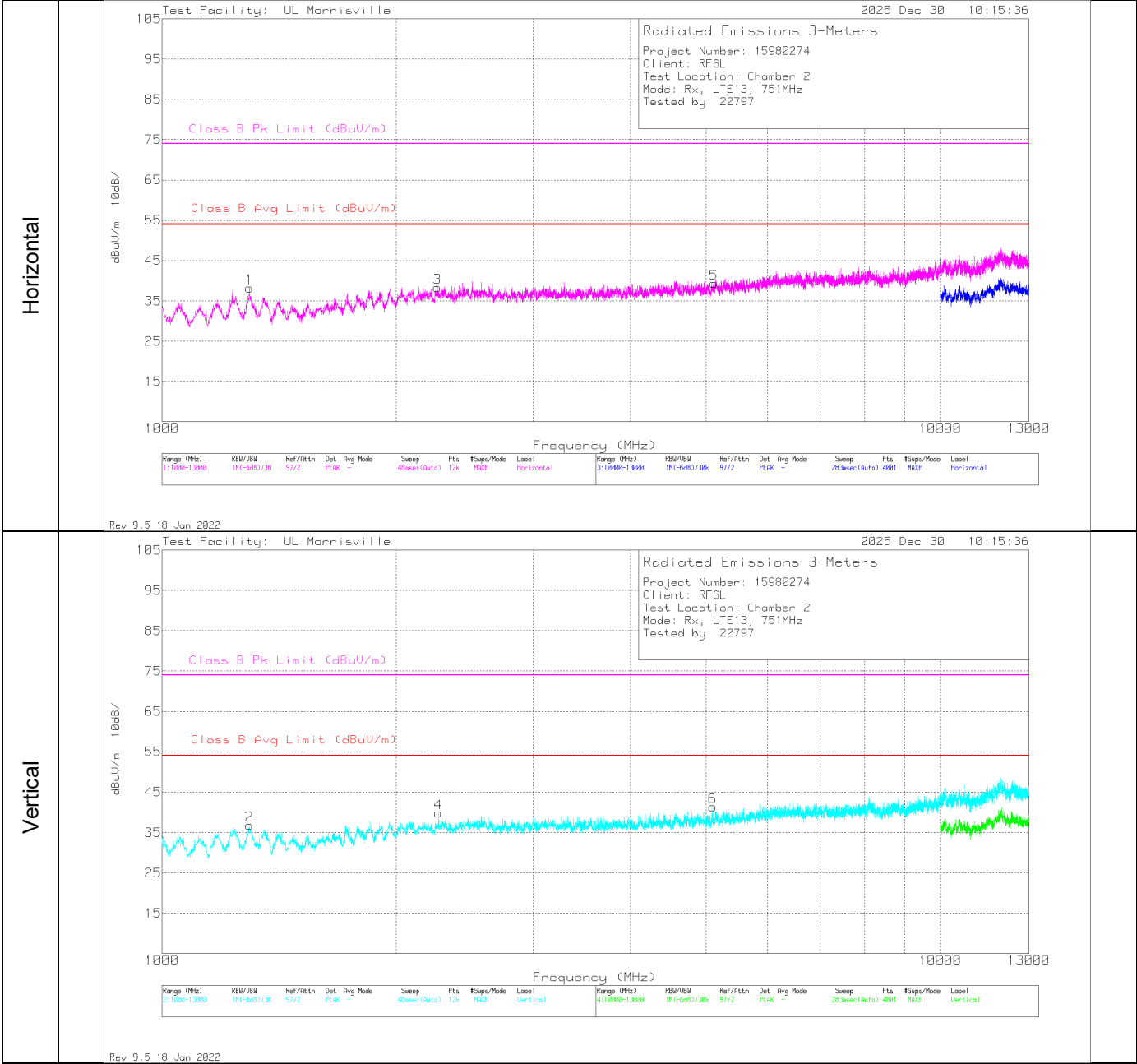
Radiated Emissions Data Points

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	1294	56.5	Pk	29.2	-48.6	37.1	54	-16.9	74	-36.9	0-360	101	V
1	1296	56.47	Pk	29.2	-48.5	37.17	54	-16.83	74	-36.83	0-360	199	H
5	2032	55.34	Pk	31.7	-49.1	37.94	54	-16.06	74	-36.06	0-360	199	H
6	2044	56.37	Pk	31.8	-49	39.17	54	-14.83	74	-34.83	0-360	101	V
4	3835	52.9	Pk	33.3	-46.5	39.7	54	-14.3	74	-34.3	0-360	101	V
3	3845	51.81	Pk	33.3	-46.4	38.71	54	-15.29	74	-35.29	0-360	199	H

Pk - Peak detector

RADIATED EMISSIONS 1000 TO 13,000 MHz (LTE B13 751 MHz)

Radiated Emissions Graph



REPORT NO: R15980274-E10c

DATE: 2025-12-30

EUT: GSM/WCDMA/LTE/NR Phone + BT/BLE,
DTS/UNII a/b/g/n/ac/ax/be, WPT and NFC

MODEL: SC-51G, SCG36

Radiated Emissions Data Points

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1295	57.54	Pk	29.2	-48.5	38.24	54	-15.76	74	-35.76	0-360	101	H
2	1295	56.08	Pk	29.2	-48.5	36.78	54	-17.22	74	-37.22	0-360	101	V
3	2258	55.27	Pk	32.1	-49	38.37	54	-15.63	74	-35.63	0-360	101	H
4	2266	57.01	Pk	32.1	-49.3	39.81	54	-14.19	74	-34.19	0-360	101	V
6	5101	52.25	Pk	34.2	-45.1	41.35	54	-12.65	74	-32.65	0-360	200	V
5	5118	50.6	Pk	34.2	-45.5	39.3	54	-14.7	74	-34.7	0-360	101	H

Pk - Peak detector

Appendix A

Facilities, Accreditations and Authorizations

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 Drive, Suite B, Morrisville, NC, 27560		27265	

REPORT NO: R15980274-E10c

DATE: 2025-12-30

EUT: GSM/WCDMA/LTE/NR Phone + BT/BLE,
DTS/UNII a/b/g/n/ac/ax/be, WPT and NFC

MODEL: SC-51G, SCG36

6.0 SETUP PHOTOS

Refer to R15980274-EP1c for Setup Photos and Setup Diagrams.

END OF TEST REPORT