



Report Number: R14777340-E1  
Issue Date: 2023-06-17  
FCC ID: PY7-76732V

# Electromagnetic Compatibility Test Report

For

**Sony Corporation**  
**1-7-1 Konan Minato-ku**  
**Tokyo, 108-0075, Japan**



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### TEST REPORT DETAILS

Tests Performed By: UL LLC  
 12 LABORATORY DR.  
 RESEARCH TRIANGLE PARK, NC 27709, U.S.A.

Tests Performed For: Sony Corporation  
 1-7-1 Konan Minato-ku  
 Tokyo, 108-0075, Japan

Issue Date: 2023-06-17

FCC ID: PY7-76732V

Sample Serial Number: QV77007DHJ, QV7700A3HJ

Applicable Standards: FCC 47 CFR PART 15 SUBPART B:2023

Date Test Item Received: 2023-05-22

Testing Start Date: 2023-05-24

Date Testing Complete: 2023-05-26

Overall Results: **Compliant**

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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### REPORT REVISION HISTORY

Revision Date	Revision Version	Description	Revised By	Revision Reviewed By
2023-06-17	V1	Initial Issue	B. Kiewra	M. Antola

### 1.0 TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4:2014.

#### 1.1 Deviations from standard test methods

None

#### 1.2 Device Modifications Necessary for Compliance

None

### 1.3 TEST RESULTS SUMMARY

This product is considered Class B

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

Approved & Released For

UL LLC. By:

Prepared By:



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## 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 <sub>lab</sub>
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3dB
Worst Case Radiated Disturbance, All ranges	6dB

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

GSM/WCDMA/LTE/5G Phone with BT, DTS/UNII a/b/g/n/ac/ax, GPS, WPT & NFC

#### 3.2 Device Configuration During Test

##### 3.2.1 Equipment Used During Test:

Use	Product Type	Manufacturer	Model	Comments
EUT	Cell phone	Sony	PY7-76732V	None
AE	Headphones	Sony	MDR-EX15AP	None
AE	Power Supply	Sony	XQZ-UC1	None
AE	Laptop	Dell	Inspiron 15 3000	Used for PC peripheral setup
AE	Power Supply	Dell	DA65NM191	Used for PC peripheral setup
AE	Monitor	ViewSonic	VS15453	Used for PC peripheral setup
AE	Mouse	Amazon Basics	MSU0939	Used for PC peripheral setup

Note: **EUT** - Equipment Under Test, **AE** - Auxiliary/Associated Equipment, or **SIM** - Simulator (Not Subjected to Test)

##### 3.2.2 Input/Output Ports:

Port #	Name	Type*	Cable Max. >3m (Y/N)	Cable Shielded (Y/N)	Comments
0	Enclosure	N/E	—	—	None
1	USB-C	DC	N	N	Connected to power supply/laptop
2	Audio	I/O	N	N	Connected to headphones
3	HDMI	I/O	N	N	Connected to monitor for PC Peripheral setup
4	Mains	I/O	N	N	Connected to PC Peripheral laptop power supply
5	USB	I/O	N	N	Connected to mouse for PC Peripheral setup

\*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

**3.2.3 EUT Highest Frequencies:**

Frequency (MHz)	Description
5825	Highest Tx Frequency

**3.2.4 Power Interface:**

Mode # /Rated	Voltage (V)	Current (A)	Power (W)	Frequency (DC/AC-Hz)	Phases (#)	Comments
Rated	100-240	-	-	50/60	Single	None
1	120Vac	-	-	60Hz	Single	Power Supply
2	4.28Vdc	-	-	DC	-	Battery
3	5Vdc	-	-	DC	-	USB (PC Peripheral)

**3.2.5 Subassemblies**

Description	Manufacturer	Model
None		

**3.2.6 Manufacturer’s Description of Model Differences**

None

**3.2.7 Software and Firmware**

The software installed during testing was 2.108.

**3.3 Block Diagram**

Refer to R14777340-EP1 for block diagram and setup photos.



### 3.4 EUT Configurations

Configuration #	Description
1	Configured as tabletop equipment

### 3.5 EUT Operation Modes

Mode of Operation#	Description
1	Operating as intended on battery. Radio idle.
2	Operating as intended connected to power supply. Radio idle.
3	Operating as intended connected to power supply. Radio in Rx mode on supported LTE bands that transmit <960MHz. Note: LTE B5 covers GSM850, WCDMA Band 5 and LTE B12 covers B17. Callbox was used to ensure that EUT was placed in Rx mode.
4	Operating as intended connected as PC Peripheral. Radio idle.

Supported Band(s)	Down Link Frequency Range (MHz)
GSM850, WCDMA 5, LTE B5	869-894
LTE B12	729-746
LTE B13	746-756
LTE B17	734-746

### 3.6 Rationale for EUT Configurations

Configuration #	Description
1	EUT was investigated in three orientations, X, Y, and Z. It was determined that worst-case orientation for radiated testing was Y for AC Adaptor and PC Peripheral modes and X for battery mode.

### 3.7 Rationale for EUT Mode of Operation

Mode of Operation #	Description
1,2,3,4	EUT capable of operating on battery, connected to power supply, or connected as PC peripheral. LTE Rx tested on AC Adaptor as worst-case over battery.

## 4.0 APPLICABLE EMISSIONS LIMITS AND TEST RESULTS

### 4.1 Test Conditions and Results - MAINS TERMINAL - CONDUCTED EMISSIONS

Test Engineer	27465/46722	
Test Date	2023-05-24	
Laboratory Parameters	Required prior to the test	During the test
Ambient Temperature	10 to 40 °C	21.2°C
Humidity	10 % to 90 %	41.2%
	Frequency range on each side of line	Measurement Point
Fully configured sample scanned over the following frequency range	150kHz to 30MHz	Mains
<b>Limits - Class B</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#
1,3	1	2,4
Supplementary information: Testing performed on EUT SN: QV77007DHJ		

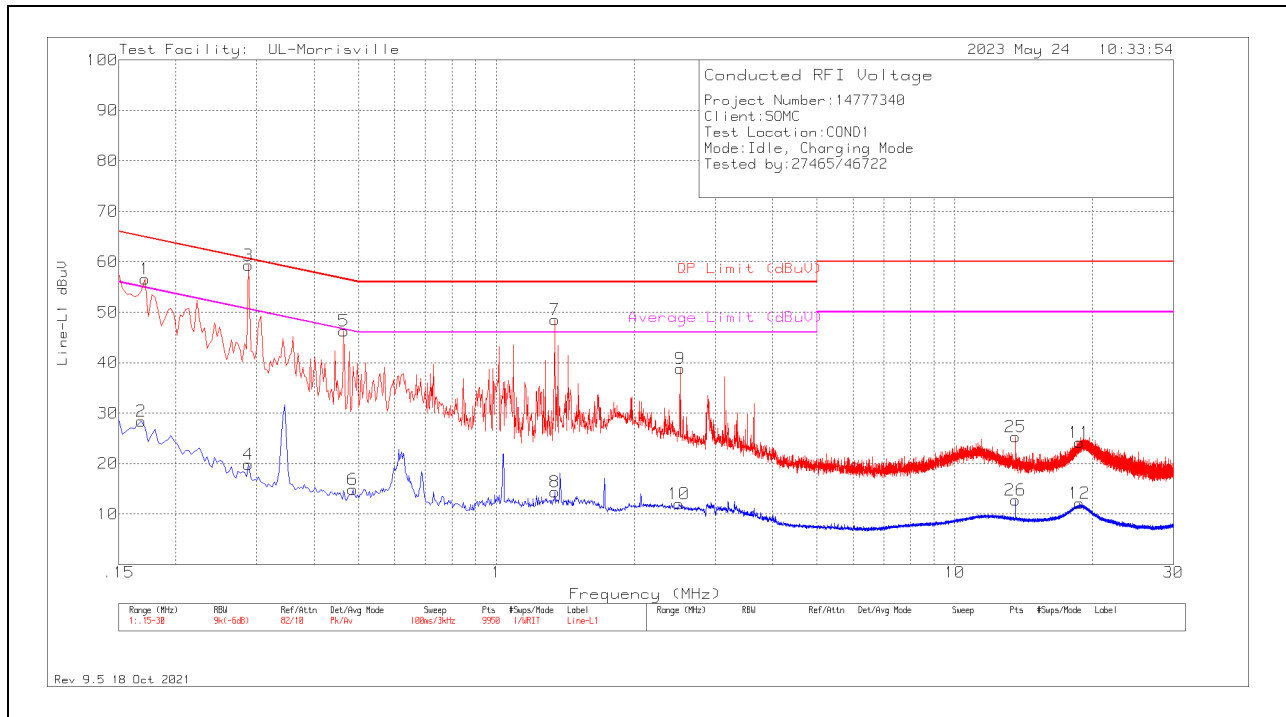
Refer to R14777340-EP1 for block diagram and setup photos.

**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	2023-04-04	2024-04-04
HI0091	Environmental Meter	Fisher Scientific	15-077-963	2022-07-20	2023-07-20
LISN003	LISN, 50-ohm/50-uH, 250uH 2-conductor, 25A	Fischer Custom Com.	FCC-LISN-50/250-25-2-01	2022-08-01	2023-08-01
75141	EMI Test Receiver 9kHz-7GHz	Rohde & Schwarz	ESCI 7	2022-08-03	2023-08-03
52859	Transient Limiter, 0.009-100MHz	Electro-Metrics	EM-7600	2023-04-04	2024-04-04
PS214	AC Power Source	Elgar	CW2501M (s/n 1523A02396)	NA	NA
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
CDECABLE001	ANSI C63.4 1m extension cable.	UL	Per Annex B of ANSI C63.4	2022-09-12	2023-09-12
LISN008	LISN, 50-ohm/50-uH, 2-conductor, 25A (For support gear only.)	Solar Electronics	8012-50-R-24-BNC	NA	NA

**Conducted Emissions Graph – AC Adaptor Line 1**

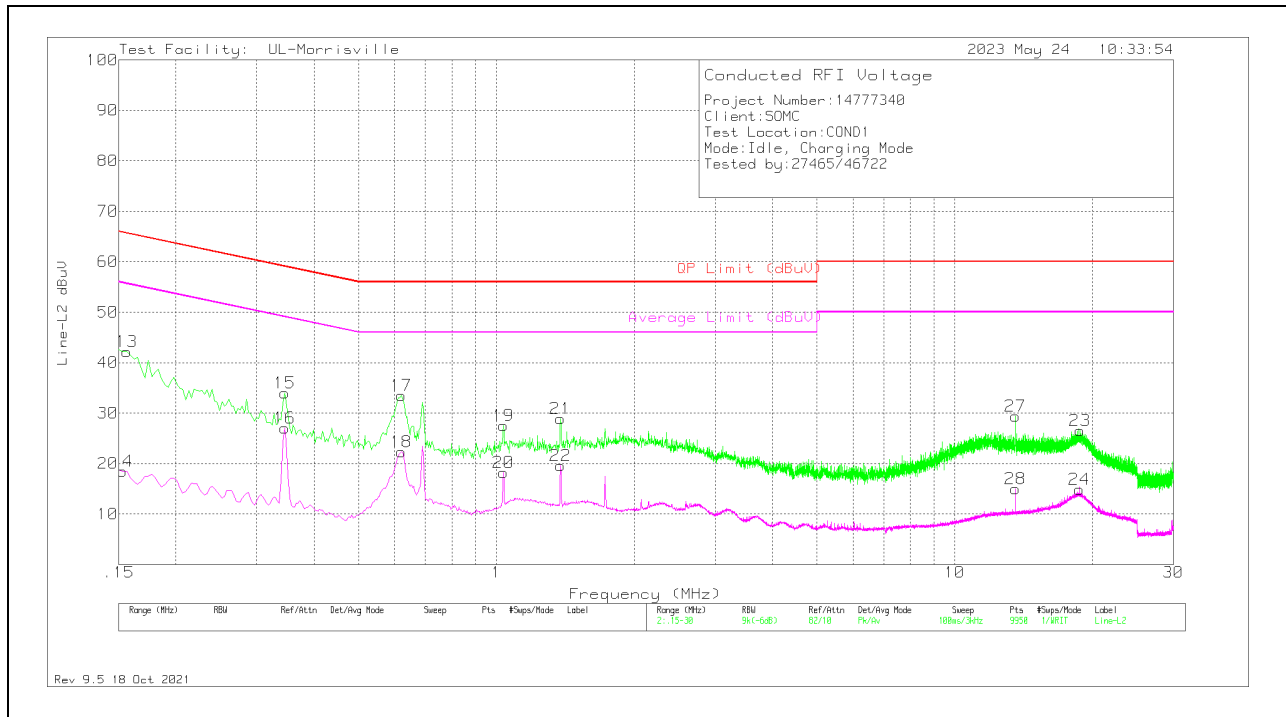


**Conducted Emissions Data Points – AC Adaptor Line 1**

Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.171	46.63	Pk	.2	9.8	56.63	64.91	-8.28	-	-
2	.168	18.45	Av	.2	9.8	28.45	-	-	55.06	-26.61
3	.27007	26.41	Qp	.1	9.8	36.31	61.12	-24.81	-	-
4	.288	9.88	Av	.1	9.8	19.78	-	-	50.58	-30.8
5	.465	36.51	Pk	0	9.8	46.31	56.6	-10.29	-	-
6	.486	5.07	Av	0	9.8	14.87	-	-	46.24	-31.37
7	1.341	38.68	Pk	0	9.8	48.48	56	-7.52	-	-
8	1.341	4.53	Av	0	9.8	14.33	-	-	46	-31.67
9	2.52	29.06	Pk	0	9.8	38.86	56	-17.14	-	-
10	2.502	2.23	Av	0	9.8	12.03	-	-	46	-33.97
11	18.708	14.02	Pk	.1	10.1	24.22	60	-35.78	-	-
12	18.711	1.88	Av	.1	10.1	12.08	-	-	50	-37.92
25	13.563	15.16	Pk	.1	10	25.26	60	-34.74	-	-
26	13.56	2.65	Av	.1	10	12.75	-	-	50	-37.25

Pk - Peak detector  
Av - Average detection  
Qp - Quasi-Peak detector

**Conducted Emissions Graph – AC Adaptor Line 2**

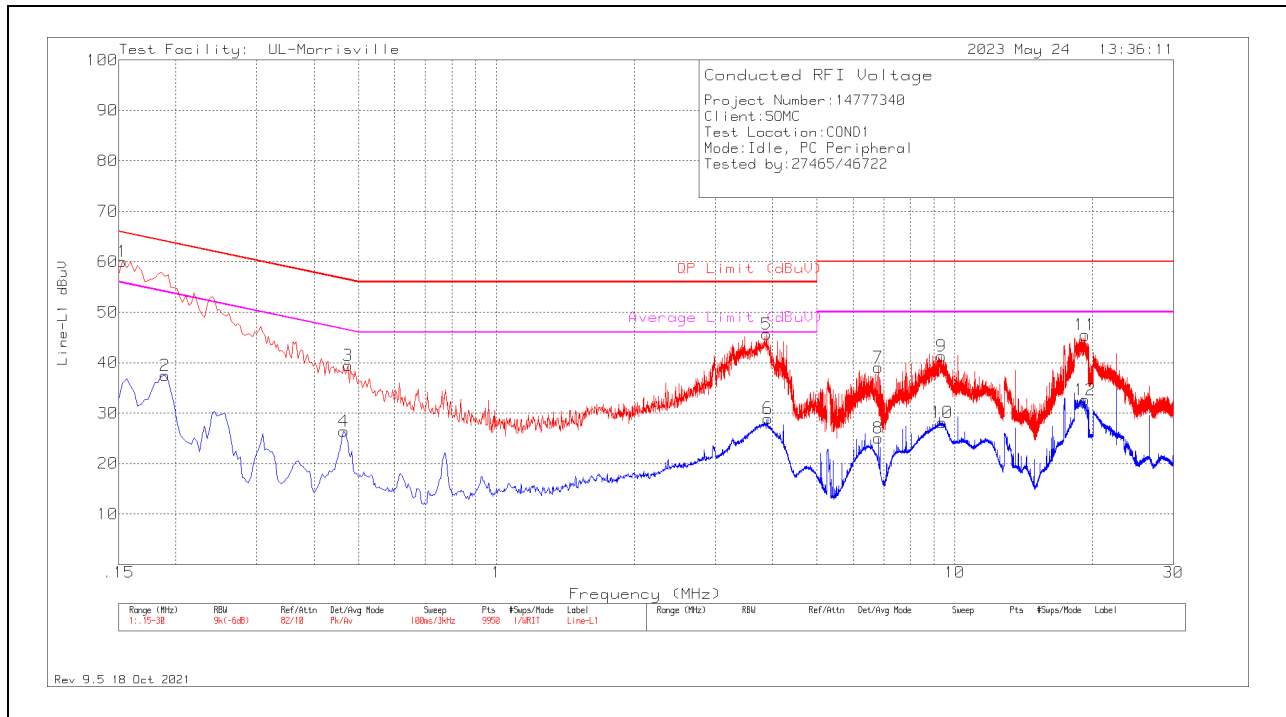


**Conducted Emissions Data Points – AC Adaptor Line 2**

Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
13	.156	32.17	Pk	.2	9.8	42.17	65.67	-23.5	-	-
14	.153	8.51	Av	.2	9.8	18.51	-	-	55.84	-37.33
15	.345	24.04	Pk	.1	9.8	33.94	59.08	-25.14	-	-
16	.345	17.14	Av	.1	9.8	27.04	-	-	49.08	-22.04
17	.621	23.66	Pk	0	9.8	33.46	56	-22.54	-	-
18	.621	12.56	Av	0	9.8	22.36	-	-	46	-23.64
19	1.035	17.69	Pk	0	9.8	27.49	56	-28.51	-	-
20	1.035	8.39	Av	0	9.8	18.19	-	-	46	-27.81
21	1.38	19.09	Pk	0	9.8	28.89	56	-27.11	-	-
22	1.38	9.79	Av	0	9.8	19.59	-	-	46	-26.41
23	18.75	16.31	Pk	.1	10.1	26.51	60	-33.49	-	-
24	18.72	4.65	Av	.1	10.1	14.85	-	-	50	-35.15
27	13.563	19.25	Pk	.1	10	29.35	60	-30.65	-	-
28	13.56	4.84	Av	.1	10	14.94	-	-	50	-35.06

Pk - Peak detector  
Av - Average detection  
Qp - Quasi-Peak detector

**Conducted Emissions Graph – PC Peripheral Line 1**

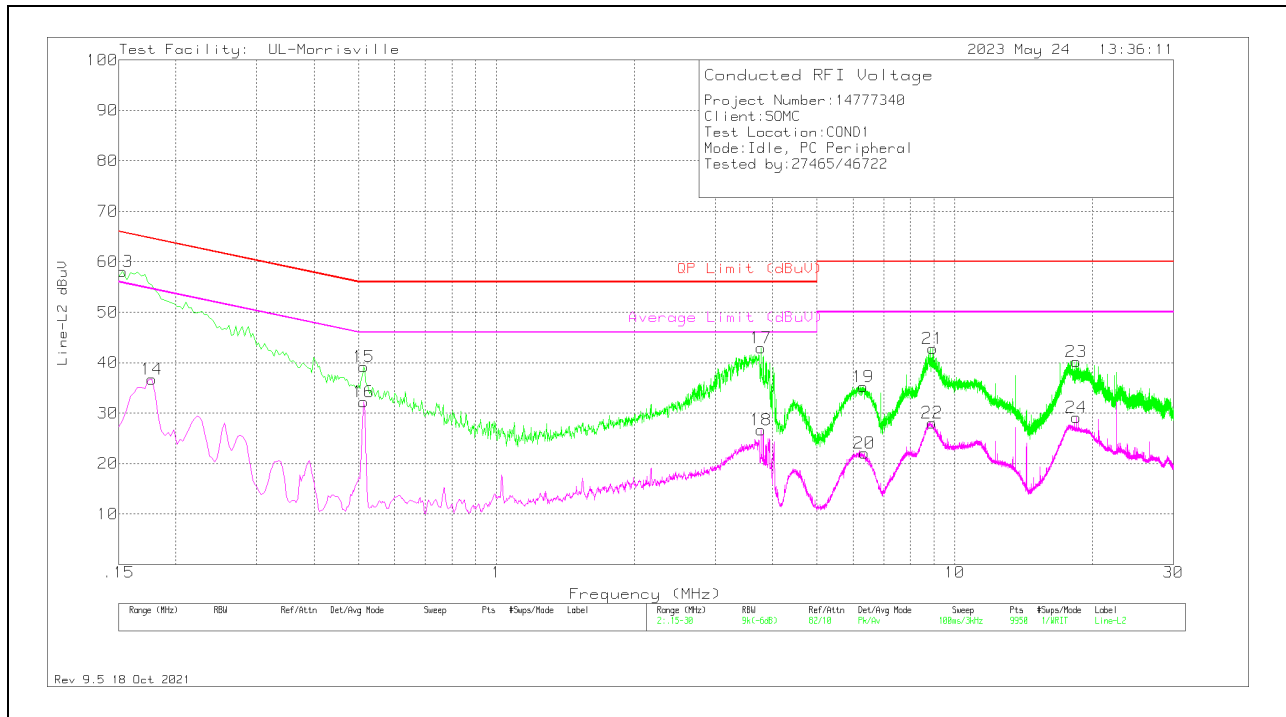


**Conducted Emissions Data Points – PC Peripheral Line 1**

Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.15113	40.93	Qp	.2	9.8	50.93	65.94	-15.01	-	-
2	.189	27.49	Av	.2	9.8	37.49	-	-	54.08	-16.59
3	.474	29.66	Pk	0	9.8	39.46	56.44	-16.98	-	-
4	.465	16.62	Av	0	9.8	26.42	-	-	46.6	-20.18
5	3.888	35.78	Pk	0	9.9	45.68	56	-10.32	-	-
6	3.912	19.05	Av	0	9.9	28.95	-	-	46	-17.05
7	6.801	29.09	Pk	.1	9.9	39.09	60	-20.91	-	-
8	6.807	15.02	Av	.1	9.9	25.02	-	-	50	-24.98
9	9.366	31.16	Pk	.1	10	41.26	60	-18.74	-	-
10	9.384	18.02	Av	.1	10	28.12	-	-	50	-21.88
11	19.23	35.17	Pk	.2	10.1	45.47	60	-14.53	-	-
12	19.221	22.37	Av	.2	10.1	32.67	-	-	50	-17.33

Pk - Peak detector  
 Av - Average detection  
 Qp - Quasi-Peak detector

**Conducted Emissions Graph – PC Peripheral Line 2**



**Conducted Emissions Data Points – PC Peripheral Line 2**

Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
13	.153	48.1	Pk	.2	9.8	58.1	65.84	-7.74	-	-
14	.177	26.66	Av	.2	9.8	36.66	-	-	54.63	-17.97
15	.513	29.44	Pk	0	9.8	39.24	56	-16.76	-	-
16	.513	22.43	Av	0	9.8	32.23	-	-	46	-13.77
17	3.78	33.05	Pk	0	9.9	42.95	56	-13.05	-	-
18	3.78	16.72	Av	0	9.9	26.62	-	-	46	-19.38
19	6.318	25.33	Pk	0	9.9	35.23	60	-24.77	-	-
20	6.348	12.15	Av	0	9.9	22.05	-	-	50	-27.95
21	8.943	32.74	Pk	.1	10	42.84	60	-17.16	-	-
22	8.925	17.98	Av	.1	10	28.08	-	-	50	-21.92
23	18.432	30	Pk	.1	10.1	40.2	60	-19.8	-	-
24	18.432	18.96	Av	.1	10.1	29.16	-	-	50	-20.84

Pk - Peak detector  
Av - Average detection  
Qp - Quasi-Peak detector

**4.2 Test Conditions and Results - RADIATED EMISSIONS**

Test Engineer	11993, 28100/11993	
Test Date	2023-05-23 to 2023-05-26	
Laboratory Parameters	Required prior to the test	During the test
Ambient Temperature	10 to 40 °C	22.8 - 26.1°C
Humidity	10 % to 90 %	30.2 - 36.8%
	Frequency range	Measurement Point
Fully configured sample scanned over the following frequency range	30-40000MHz	3m
<b>Limits - Class B</b>		
Frequency (MHz)	Limit (dBµV/m)	
30-88	40	NA
88-216	43.5	NA
216-960	46	NA
Above 960	54	NA
	Peak	Average
Above 1 GHz	74	54
Supplementary information: None.		

**Radiated Emissions EUT Configuration Settings**

Power Interface #	EUT Configurations #	EUT Mode of Operation#
1,2	1	1,2,3,4
Supplementary information: All testing done with EUT SN: QV7700A3HJ		

Refer to R14777340-EP1 for block diagram and setup photos.



**Radiated Emissions Test Equipment**

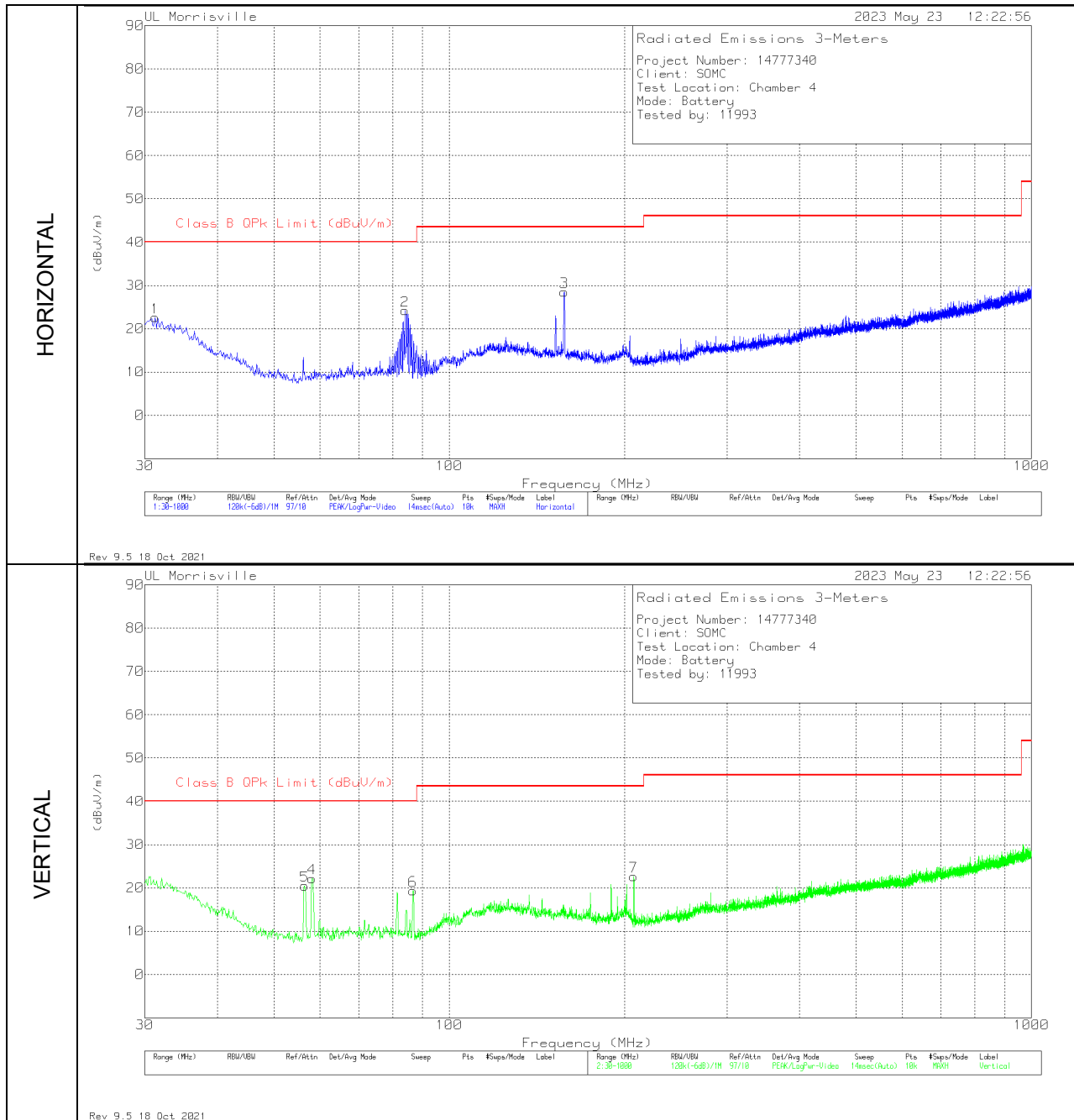
Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville – Chamber 4)

Equipment ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
<b>30-1000 MHz</b>					
90629 (AT0075)	Hybrid Broadband Antenna	Sunol Sciences Corp.	JB3	2023-01-06	2024-01-06
<b>1-18 GHz</b>					
86408	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2022-05-24	2023-05-31
<b>18-40 GHz</b>					
204704	Horn Antenna, 18-26.5GHz	Com-Power	AH-626	2022-07-11	2023-07-11
204705	Horn Antenna, 26-40GHz	Com-Power	AH-640	2022-07-11	2023-07-11
<b>Gain-Loss Chains</b>					
207639	Gain-loss string: 25-1000MHz	Various	Various	2022-05-20	2023-05-31
207640	Gain-loss string: 1-18GHz	Various	Various	2022-05-20	2023-05-31
225795	Gain-loss string: 18-40GHz	Various	Various	2022-10-12	2023-10-12
<b>Receiver &amp; Software</b>					
72823	Spectrum Analyzer	Agilent	E4446A	2022-06-08	2023-06-08
197955	Spectrum Analyzer	Rohde & Schwarz	ESW	2023-04-10	2024-04-10
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
<b>Additional Equipment used</b>					
21642	Environmental Meter	Fisher Scientific	15-077-963 (s/n 210701692)	2021-08-16	2023-08-16
207620	Wideband Radio Communications Tester	Anritsu	MT8821C	2022-07-08	2023-07-08

Note: All equipment within calibration at time of use.

**RADIATED EMISSIONS 30 TO 1000 MHz - Battery**

**Radiated Emissions Graph**



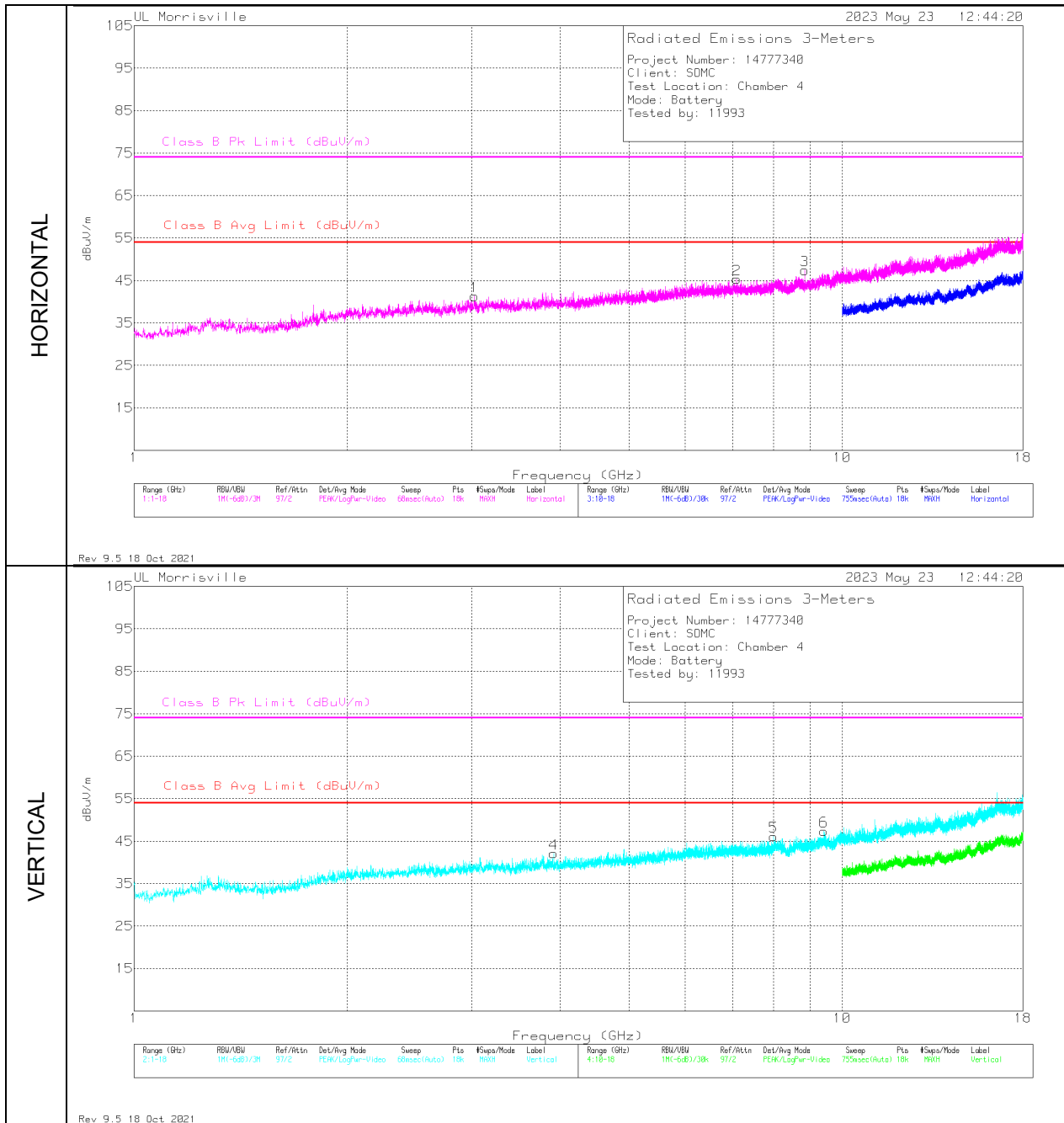
**Radiated Emissions Data Points**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	31.261	28.23	Pk	26.2	-31.8	22.63	40	-17.37	0-360	100	H
5	56.481	38.5	Pk	13.5	-31.5	20.5	40	-19.5	0-360	100	V
4	58.13	40	Pk	13.5	-31.3	22.2	40	-17.8	0-360	100	V
2	83.932	41.08	Pk	14	-30.9	24.18	40	-15.82	0-360	100	H
6	86.648	36.76	Pk	13.7	-31.1	19.36	40	-20.64	0-360	100	V
3	157.652	40	Pk	18.6	-30.1	28.5	43.52	-15.02	0-360	100	H
7	207.51	35.86	Pk	16.6	-29.8	22.66	43.52	-20.86	0-360	100	V

Pk - Peak detector

**RADIATED EMISSIONS 1000 TO 18,000 MHz – Battery**

**Radiated Emissions Graph**



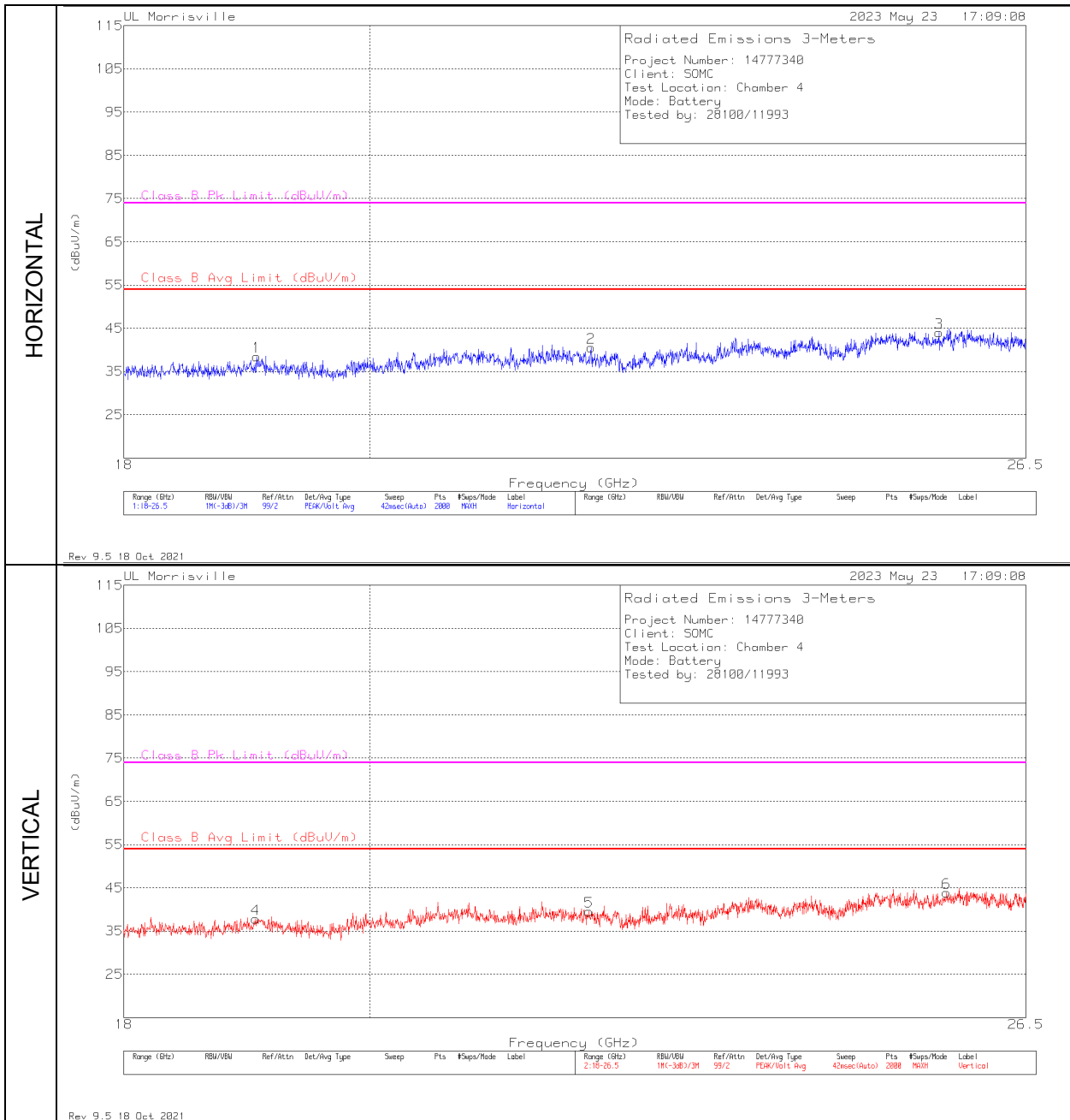
**Radiated Emissions Data Points**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (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	3.02583	43.91	Pk	33.1	-35.7	41.31	54	-12.69	74	-32.69	0-360	200	H
4	3.91267	41.98	Pk	33.5	-33.4	42.08	54	-11.92	74	-31.92	0-360	100	V
2	7.09639	38.84	Pk	35.6	-29.1	45.34	54	-8.66	74	-28.66	0-360	200	H
5	8.00305	38.71	Pk	35.8	-28.4	46.11	54	-7.89	74	-27.89	0-360	100	V
3	8.85305	37.81	Pk	36.1	-26.5	47.41	54	-6.59	74	-26.59	0-360	200	H
6	9.42255	37.27	Pk	36.5	-26.4	47.37	54	-6.63	74	-26.63	0-360	100	V

Pk - Peak detector

### RADIATED EMISSIONS 18,000 TO 26,000 MHz – Battery

#### Radiated Emissions Graph



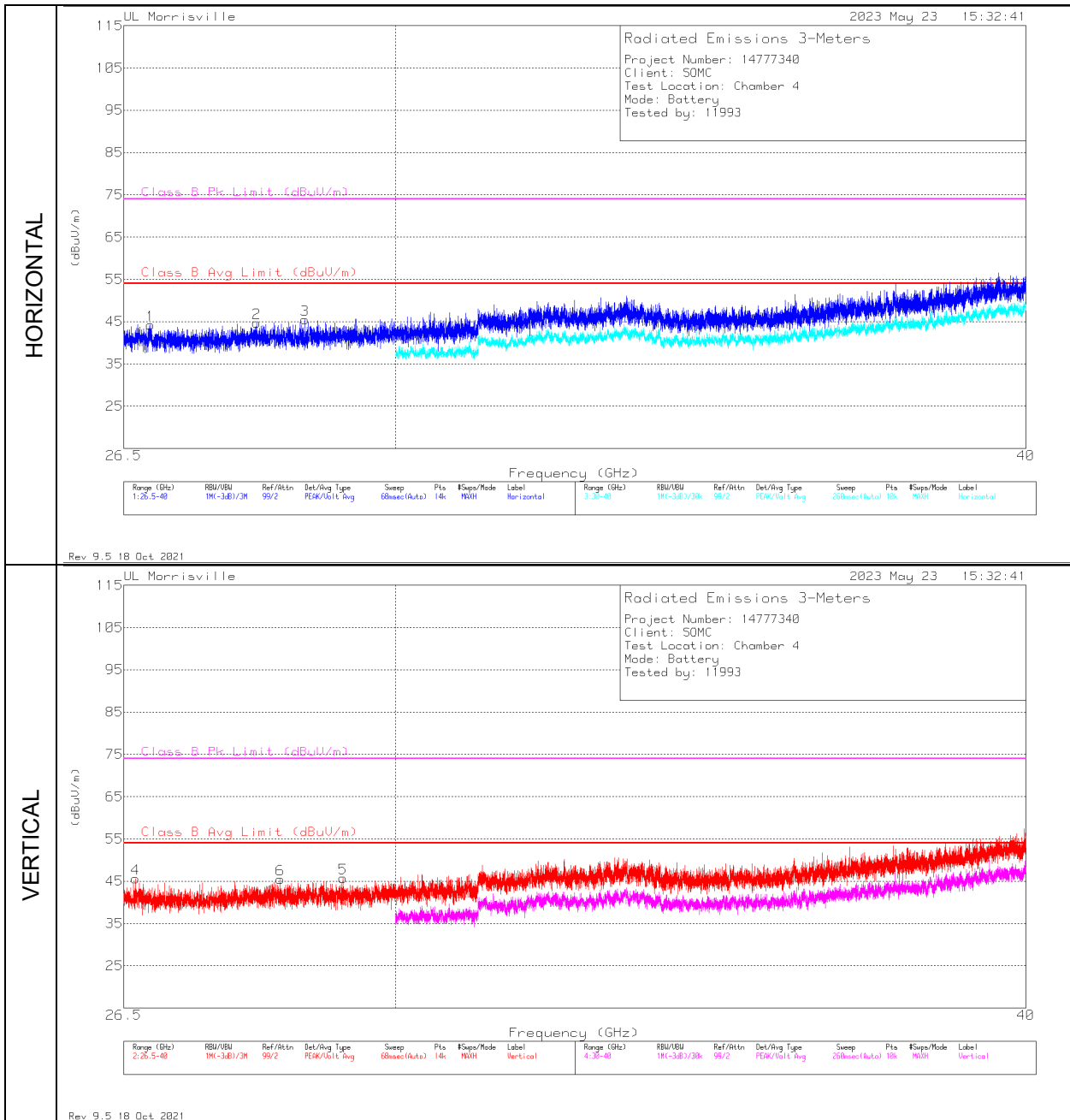
**Radiated Emissions Data Points**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (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
4	19.04602	45.15	Pk	33.8	-41.1	37.85	54	-16.15	74	-36.15	0-360	150	V
1	19.05453	45.79	Pk	33.8	-41.1	38.49	54	-15.51	74	-35.51	0-360	250	H
5	21.97149	45.55	Pk	34.5	-40.5	39.55	54	-14.45	74	-34.45	0-360	200	V
2	21.99275	46.48	Pk	34.5	-40.4	40.58	54	-13.42	74	-33.42	0-360	100	H
3	25.53052	43.87	Pk	36	-35.8	44.07	54	-9.93	74	-29.93	0-360	250	H
6	25.61556	42.74	Pk	36	-34.8	43.94	54	-10.06	74	-30.06	0-360	250	V

Pk - Peak detector

**RADIATED EMISSIONS 26,000 TO 40,000 MHz – Battery**

**Radiated Emissions Graph**





**Radiated Emissions Data Points**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204705 (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
4	26.64176	43.96	Pk	36.3	-34.7	45.56	54	-8.44	74	-28.44	0-360	150	V
1	26.82788	41.99	Pk	36.2	-34	44.19	54	-9.81	74	-29.81	0-360	100	H
2	28.15773	41.37	Pk	36.6	-33.2	44.77	54	-9.23	74	-29.23	0-360	200	H
6	28.46343	42.28	Pk	36.5	-33.3	45.48	54	-8.52	74	-28.52	0-360	200	V
3	28.78552	41.88	Pk	36.4	-32.8	45.48	54	-8.52	74	-28.52	0-360	200	H
5	29.28506	41.94	Pk	36.5	-32.7	45.74	54	-8.26	74	-28.26	0-360	300	V

Pk - Peak detector

**RADIATED EMISSIONS 30 TO 1000 MHz – AC Adaptor**

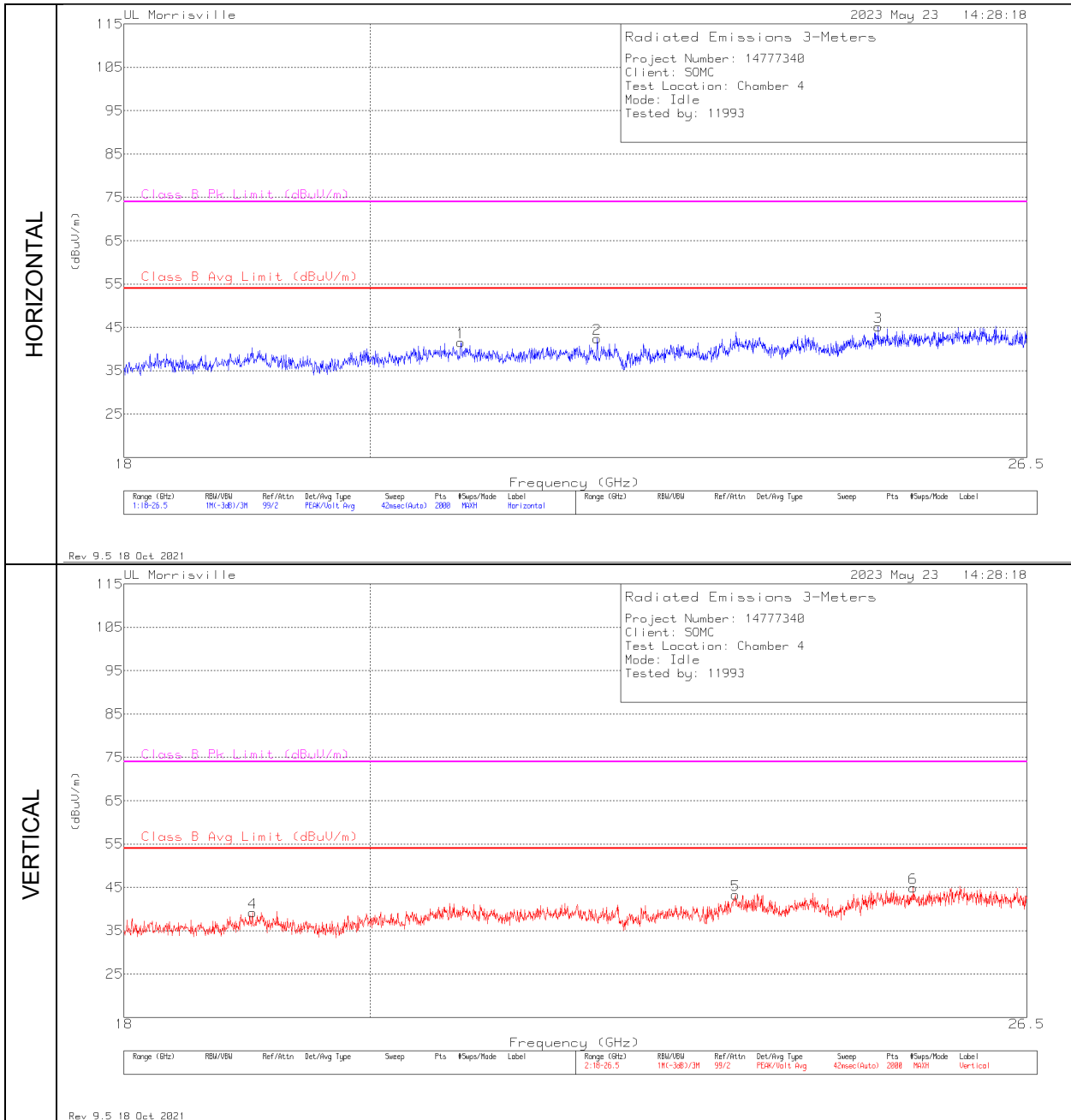
This mode is covered by the 30 to 1000MHz LTE B13 Rx 751MHz scan

**RADIATED EMISSIONS 1000 TO 18,000 MHz – AC Adaptor**

This mode is covered by the 1000 to 18000MHz LTE B13 Rx 751MHz scan

**RADIATED EMISSIONS 18,000 TO 26,000 MHz – AC Adaptor**

**Radiated Emissions Graph**



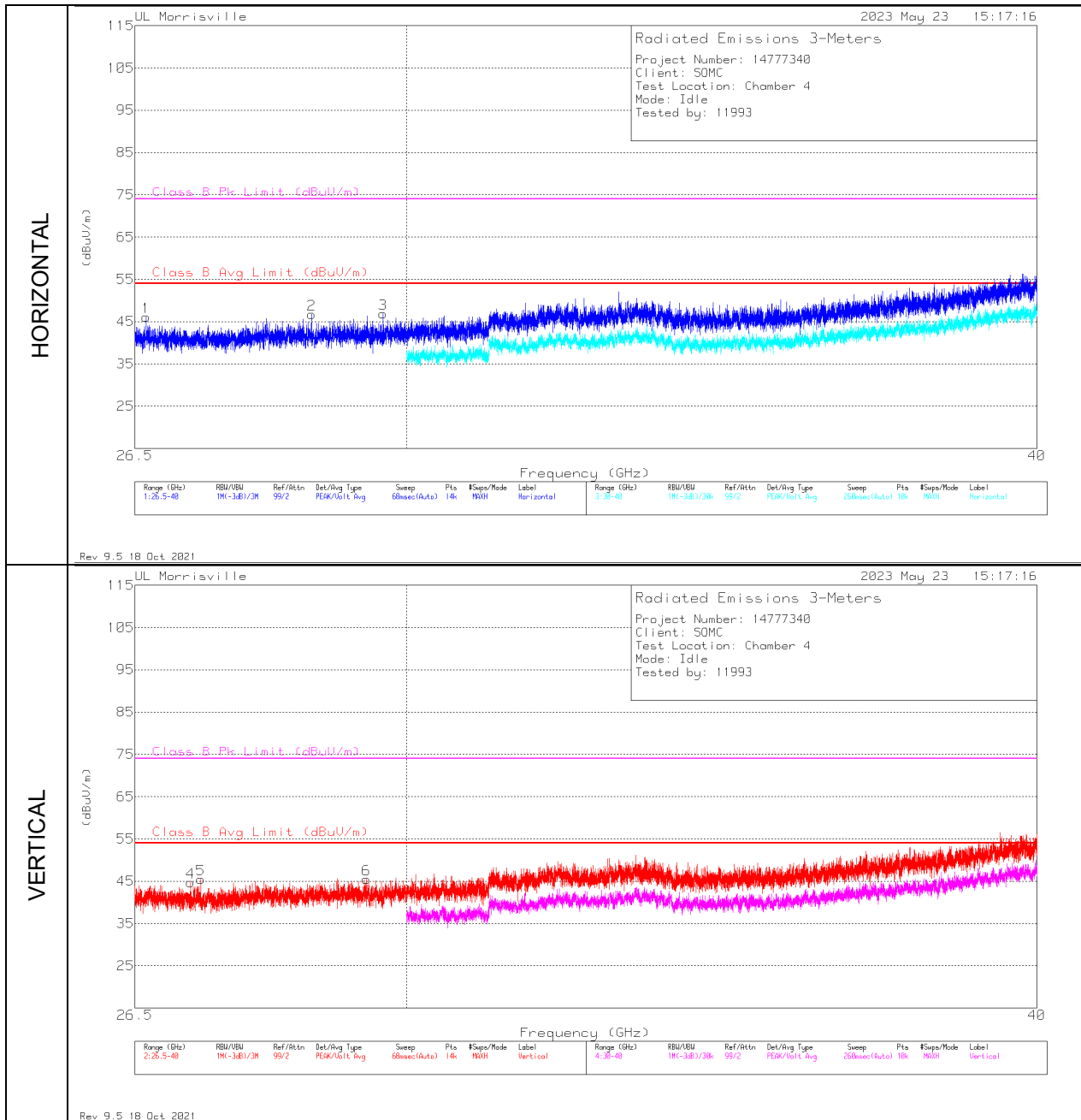
**Radiated Emissions Data Points**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (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
4	19.02051	46.42	Pk	33.8	-41.1	39.12	54	-14.88	74	-34.88	0-360	300	V
1	20.79365	48.25	Pk	34	-40.7	41.55	54	-12.45	74	-32.45	0-360	250	H
2	22.04377	48.46	Pk	34.5	-40.6	42.36	54	-11.64	74	-31.64	0-360	100	H
5	23.3917	46.4	Pk	35.1	-38.2	43.3	54	-10.7	74	-30.7	0-360	300	V
3	24.86718	46.11	Pk	35.5	-36.5	45.11	54	-8.89	74	-28.89	0-360	250	H
6	25.24137	44.22	Pk	36.1	-35.4	44.92	54	-9.08	74	-29.08	0-360	300	V

Pk - Peak detector

**RADIATED EMISSIONS 26,000 TO 40,000 MHz – AC Adaptor**

**Radiated Emissions Graph**



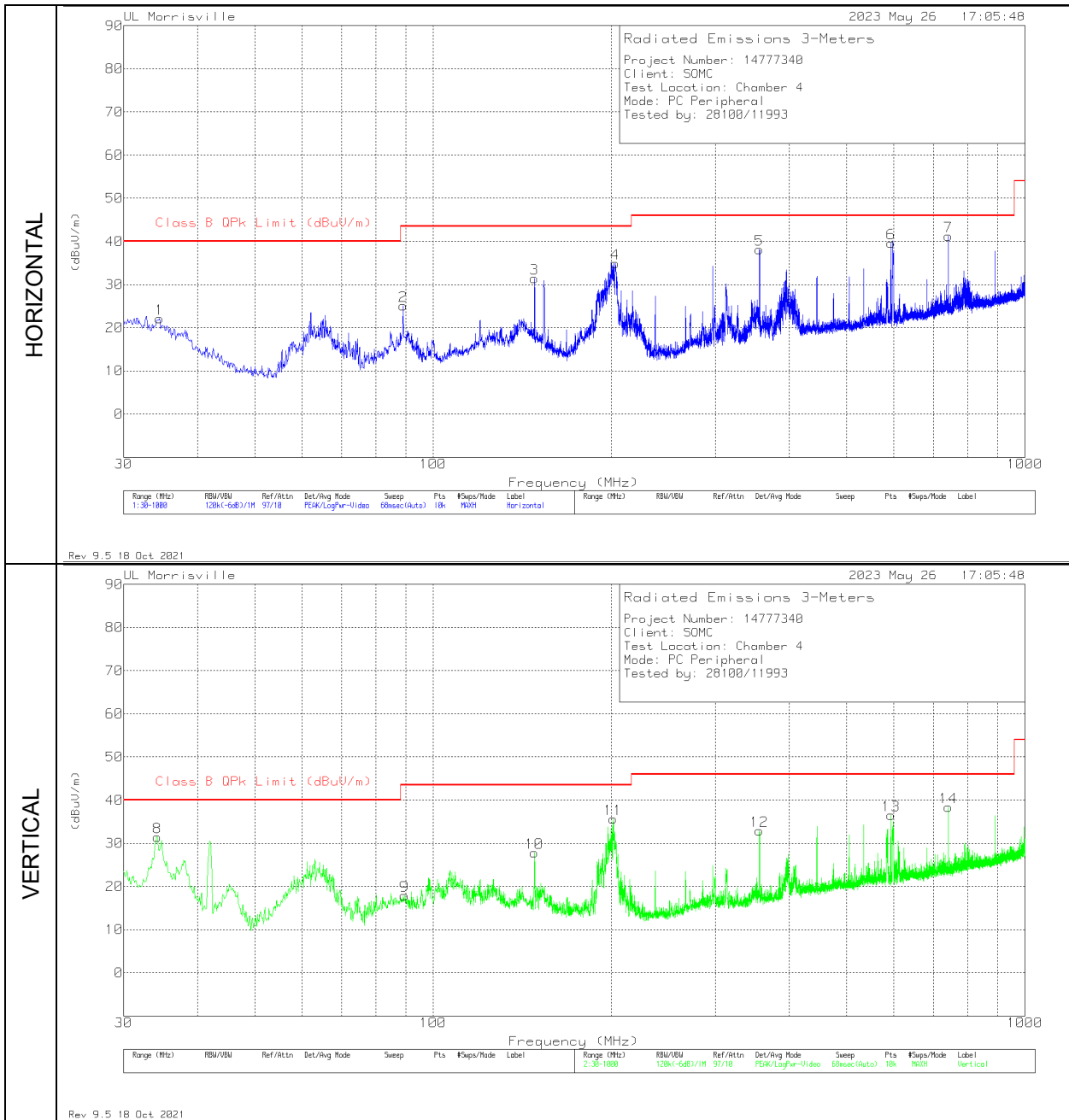
**Radiated Emissions Data Points**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204705 (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	26.63597	44.76	Pk	36.3	-34.9	46.16	54	-7.84	74	-27.84	0-360	100	H
4	27.1818	43.07	Pk	36.3	-34.7	44.67	54	-9.33	74	-29.33	0-360	300	V
5	27.3062	43.65	Pk	36.1	-34.3	45.45	54	-8.55	74	-28.55	0-360	300	V
2	28.7267	43.02	Pk	36.4	-32.7	46.72	54	-7.28	74	-27.28	0-360	100	H
6	29.45286	41.25	Pk	36.5	-32.3	45.45	54	-8.55	74	-28.55	0-360	300	V
3	29.67948	43.32	Pk	36.5	-33	46.82	54	-7.18	74	-27.18	0-360	200	H

Pk - Peak detector

**RADIATED EMISSIONS 30 TO 1000 MHz – PC Peripheral**

**Radiated Emissions Graph**



**Radiated Emissions Data Points**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
8	34.171	39.07	Pk	24.1	-31.7	31.47	40	-8.53	0-360	100	V
1	34.462	29.87	Pk	23.9	-31.6	22.17	40	-17.83	0-360	300	H
2	88.976	42.19	Pk	13.9	-31	25.09	43.52	-18.43	0-360	100	H
9	89.461	34.92	Pk	13.9	-30.9	17.92	43.52	-25.6	0-360	100	V
3	148.34	42.89	Pk	18.7	-30.2	31.39	43.52	-12.13	0-360	100	H
10	148.34	39.37	Pk	18.7	-30.2	27.87	43.52	-15.65	0-360	100	V
11	201.593	46.79	Pk	18.8	-29.9	35.69	43.52	-7.83	0-360	100	V
4	203.145	46.42	Pk	18.3	-29.8	34.92	43.52	-8.6	0-360	100	H
5	356.017	46.19	Pk	20.7	-28.7	38.19	46.02	-7.83	0-360	100	H
12	356.017	40.89	Pk	20.7	-28.7	32.89	46.02	-13.13	0-360	100	V
6	593.473	43.09	Pk	24.3	-27.8	39.59	46.02	-6.43	0-360	100	H
13	593.473	40.06	Pk	24.3	-27.8	36.56	46.02	-9.46	0-360	100	V
7	741.7659	39.07	Qp	26.7	-27	38.77	46.02	-7.25	70	180	H
14	741.786	38.65	Pk	26.7	-27	38.35	46.02	-7.67	0-360	100	V

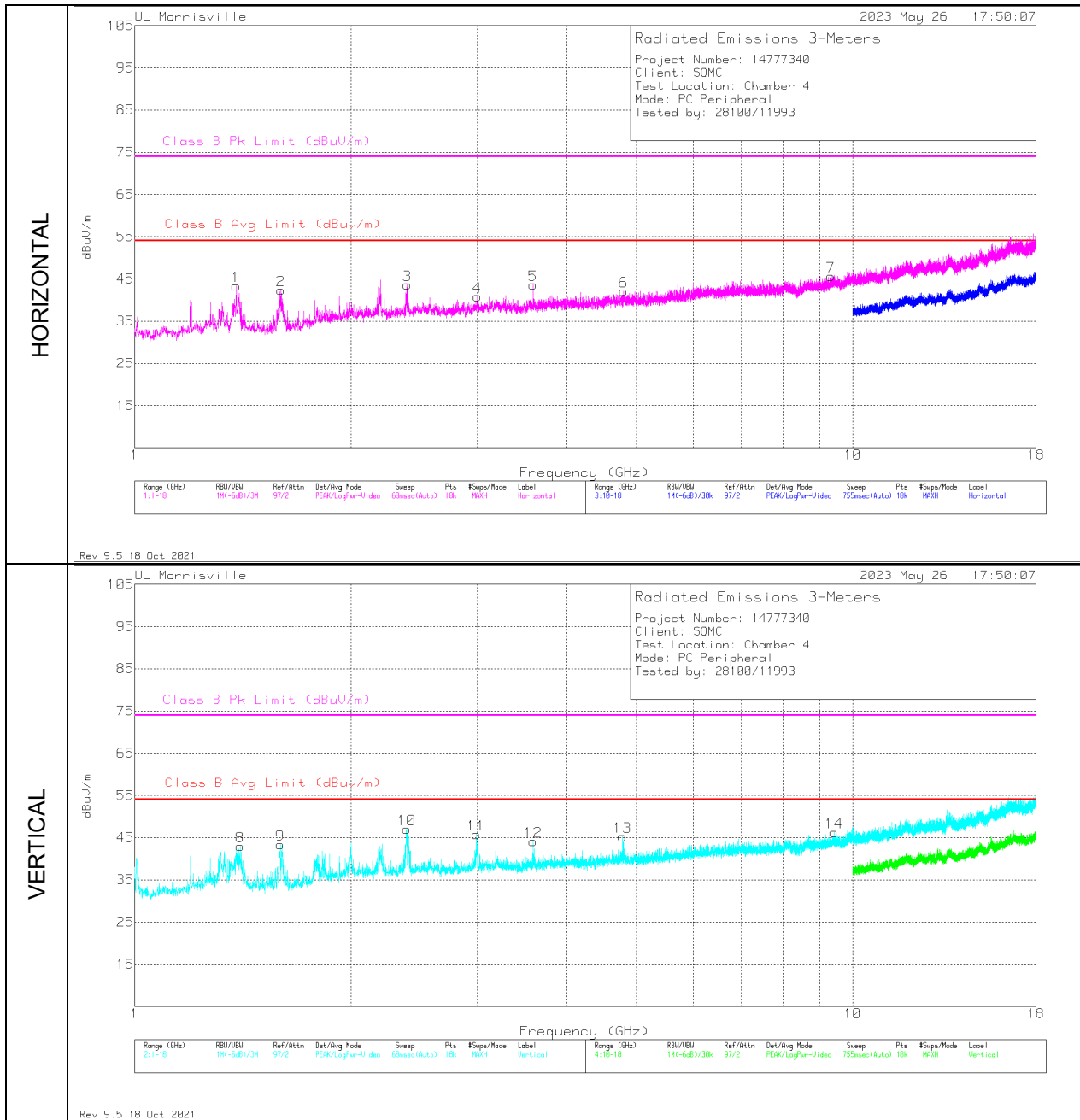
Pk - Peak detector

Qp - Quasi-Peak detector



**RADIATED EMISSIONS 1000 TO 18,000 MHz – PC Peripheral**

**Radiated Emissions Graph**



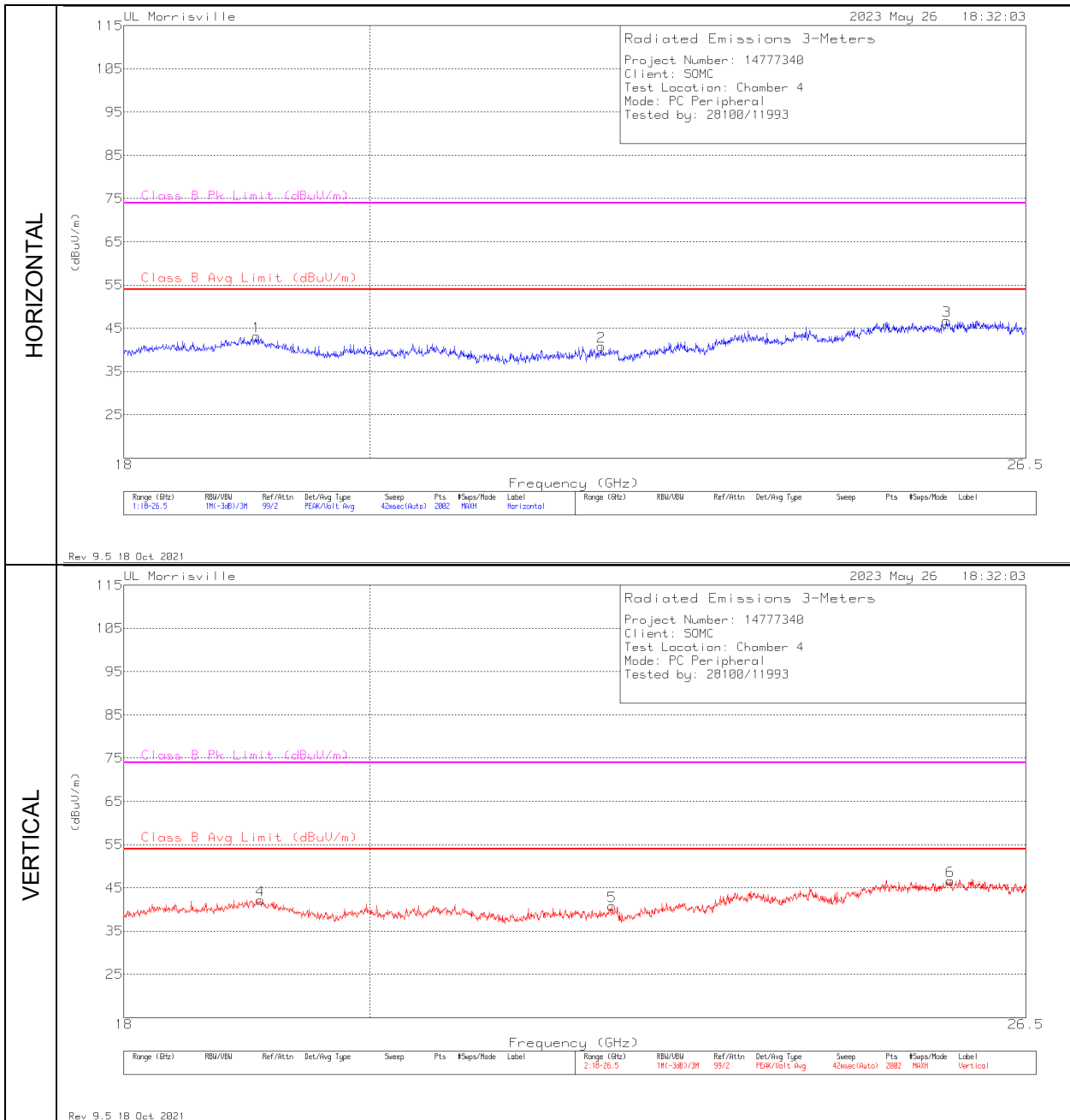
**Radiated Emissions Data Points**

Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	86408 (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	1.38439	50.49	Pk	29	-36.2	43.29	54	-10.71	74	-30.71	0-360	100	H
8	1.40139	50.52	Pk	28.8	-36.3	43.02	54	-10.98	74	-30.98	0-360	200	V
9	1.59406	50.99	Pk	28.8	-36.4	43.39	54	-10.61	74	-30.61	0-360	200	V
2	1.59878	49.79	Pk	28.8	-36.3	42.29	54	-11.71	74	-31.71	0-360	100	H
10	2.39117	51.07	Pk	32.2	-36.2	47.07	54	-6.93	74	-26.93	0-360	200	V
3	2.39494	47.56	Pk	32.2	-36.2	43.56	54	-10.44	74	-30.44	0-360	100	H
11	2.99089	48.38	Pk	33	-35.6	45.78	54	-8.22	74	-28.22	0-360	200	V
4	3.00128	43.28	Pk	33	-35.5	40.78	54	-13.22	74	-33.22	0-360	100	H
5	3.58683	45.08	Pk	33.1	-34.6	43.58	54	-10.42	74	-30.42	0-360	100	H
12	3.58683	45.6	Pk	33.1	-34.6	44.1	54	-9.9	74	-29.9	0-360	200	V
13	4.78344	43.49	Pk	34	-32.3	45.19	54	-8.81	74	-28.81	0-360	200	V
6	4.7995	40.17	Pk	34.1	-32.2	42.07	54	-11.93	74	-31.93	0-360	100	H
7	9.31866	35.36	Pk	36.4	-26.1	45.66	54	-8.34	74	-28.34	0-360	100	H
14	9.42161	36.13	Pk	36.5	-26.4	46.23	54	-7.77	74	-27.77	0-360	200	V

Pk - Peak detector

**RADIATED EMISSIONS 18,000 TO 26,000 MHz – PC Peripheral**

**Radiated Emissions Graph**



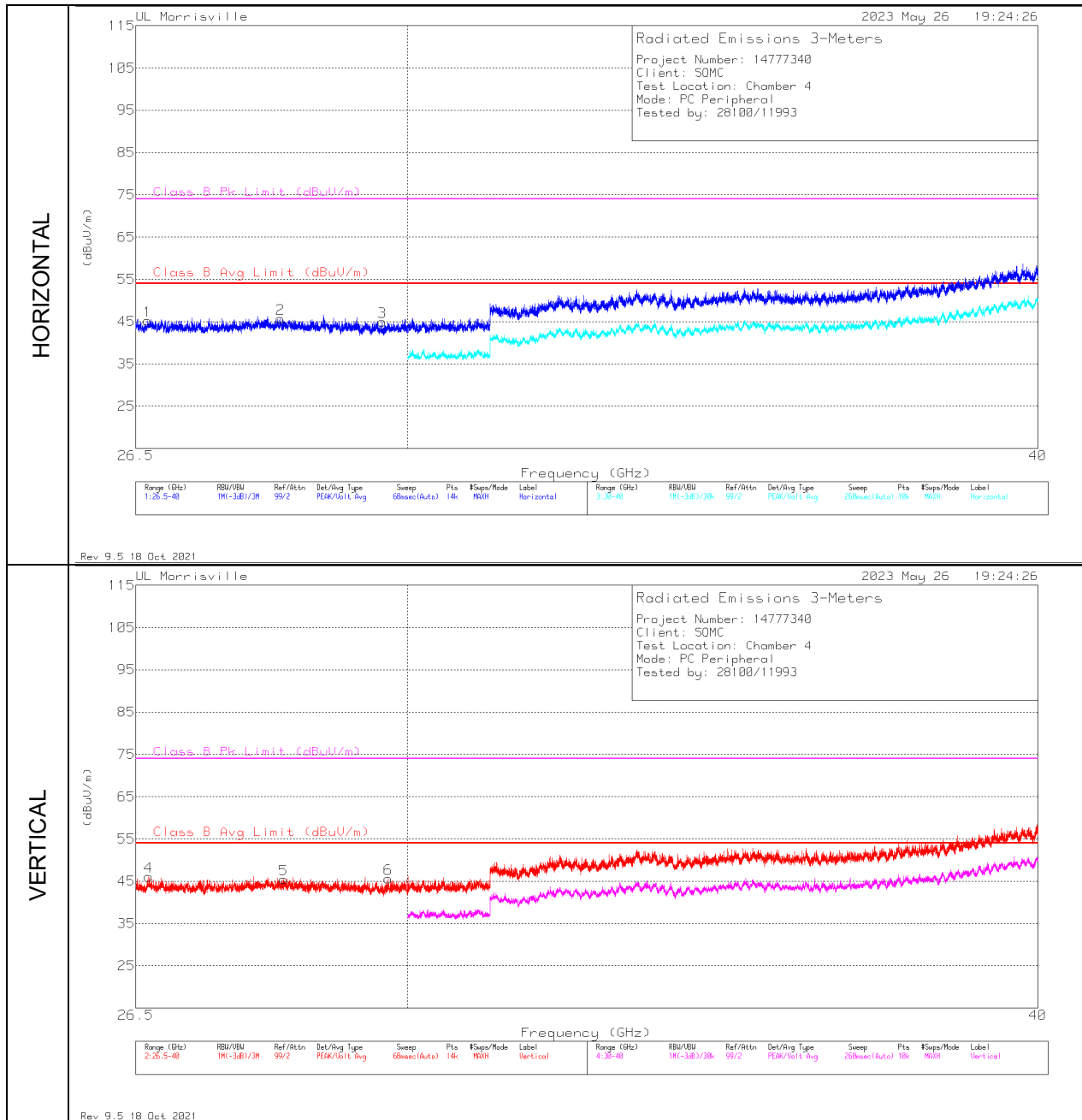
**Radiated Emissions Data Points**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (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	19.05347	50.43	Pk	33.8	-41.1	43.13	54	-10.87	74	-30.87	0-360	150	H
4	19.08746	49.35	Pk	33.8	-41	42.15	54	-11.85	74	-31.85	0-360	300	V
2	22.0907	46.34	Pk	34.5	-40	40.84	54	-13.16	74	-33.16	0-360	100	H
5	22.19265	46.54	Pk	34.5	-40.3	40.74	54	-13.26	74	-33.26	0-360	300	V
3	25.61644	45.5	Pk	36	-34.8	46.7	54	-7.3	74	-27.3	0-360	150	H
6	25.65467	46.16	Pk	36	-35.5	46.66	54	-7.34	74	-27.34	0-360	250	V

Pk - Peak detector

**RADIATED EMISSIONS 26,000 TO 40,000 MHz – PC Peripheral**

**Radiated Emissions Graph**



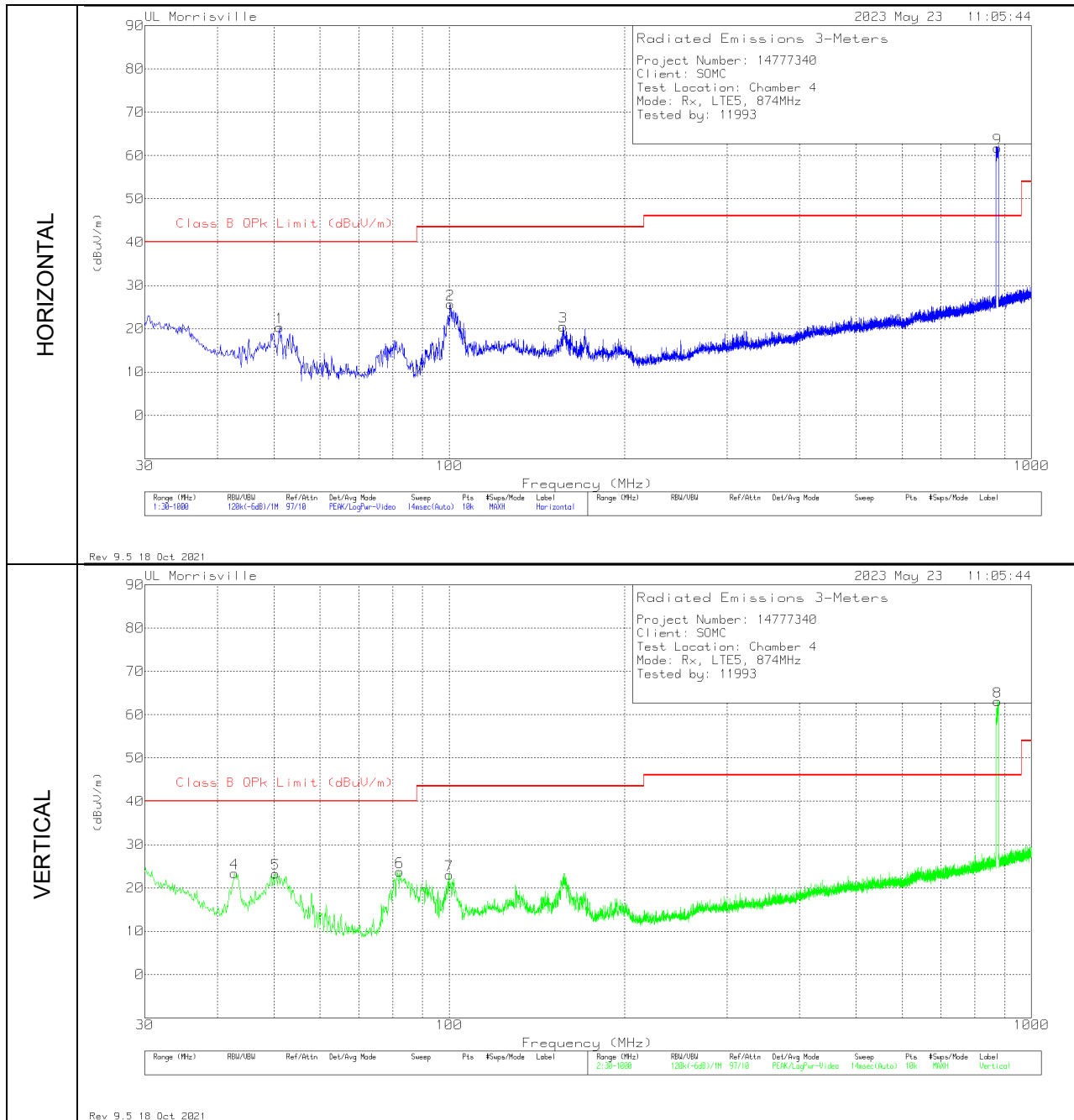
**Radiated Emissions Data Points**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204705 (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	26.64367	43.52	Pk	36.3	-34.6	45.22	54	-8.78	74	-28.78	0-360	100	H
4	26.65813	44.35	Pk	36.3	-34.6	46.05	54	-7.95	74	-27.95	0-360	200	V
2	28.3108	42.55	Pk	36.5	-33.3	45.75	54	-8.25	74	-28.25	0-360	100	H
5	28.3513	42.14	Pk	36.5	-33.2	45.44	54	-8.56	74	-28.56	0-360	200	V
3	29.65685	41.31	Pk	36.5	-32.8	45.01	54	-8.99	74	-28.99	0-360	100	H
6	29.73784	41.05	Pk	36.6	-32.1	45.55	54	-8.45	74	-28.45	0-360	200	V

Pk - Peak detector

**RADIATED EMISSIONS 30 TO 1000 MHz – LTE B5 Rx 874.0MHz**

**Radiated Emissions Graph**



**Radiated Emissions Data Points**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	42.804	37.1	Pk	17.7	-31.4	23.4	40	-16.6	0-360	100	V
5	50.37	40.7	Pk	14	-31.4	23.3	40	-16.7	0-360	100	V
1	51.146	37.74	Pk	13.9	-31.3	20.34	40	-19.66	0-360	300	H
6	82.283	40.35	Pk	14.4	-31	23.75	40	-16.25	0-360	100	V
7	100.034	36.74	Pk	17	-30.7	23.04	43.52	-20.48	0-360	100	V
2	100.422	39.48	Pk	17	-30.8	25.68	43.52	-17.84	0-360	200	H
3	156.973	32	Pk	18.6	-30.1	20.5	43.52	-23.02	0-360	100	H
9	874.288 (DL)	59.6	Pk	28	-25.9	61.7	-	-	0-360	100	H
8	875.161 (DL)	60.66	Pk	28	-25.6	63.06	-	-	0-360	100	V

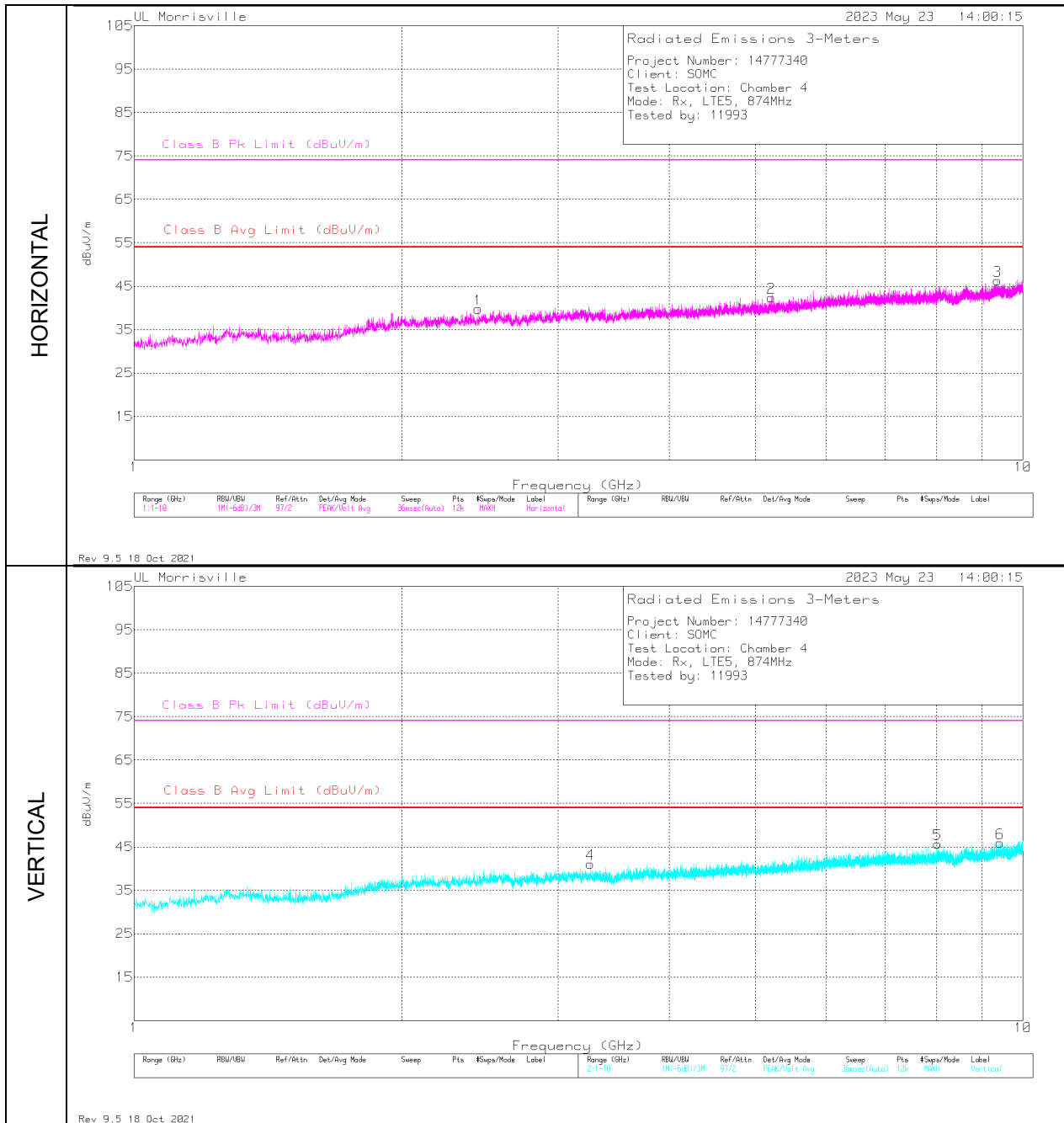
Pk - Peak detector

DL – Callbox downlink frequencies



**RADIATED EMISSIONS 1000 TO 10,000 MHz – LTE B5 Rx 874.0MHz**

**Radiated Emissions Graph**



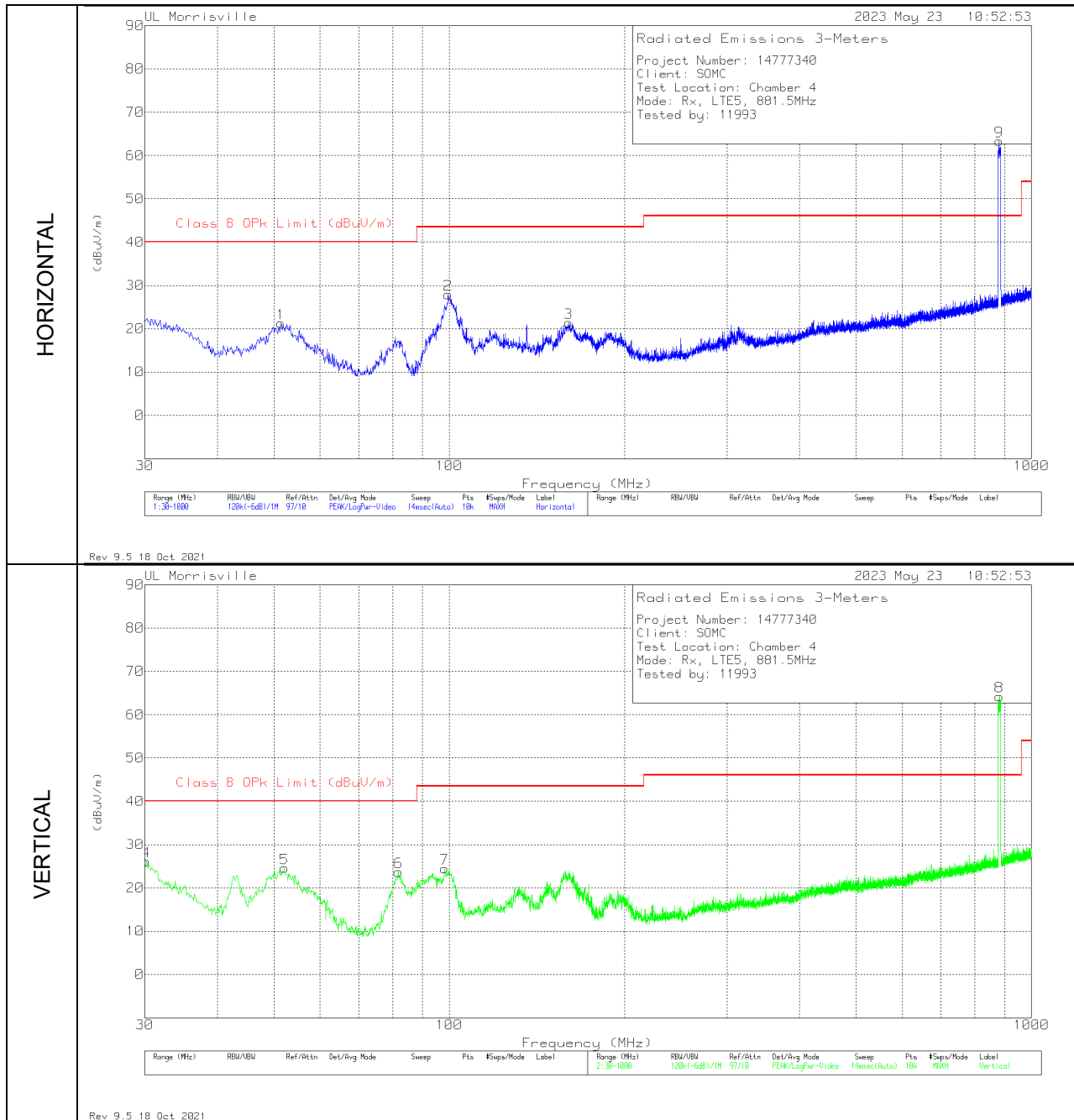
**Radiated Emissions Data Points**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (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	2.43775	43.77	Pk	32.3	-36.3	39.77	54	-14.23	74	-34.23	0-360	100	H
4	3.25975	43.25	Pk	33	-35.2	41.05	54	-12.95	74	-32.95	0-360	200	V
2	5.20975	40.32	Pk	34.2	-32.1	42.42	54	-11.58	74	-31.58	0-360	100	H
5	8.017	38.21	Pk	35.8	-28.3	45.71	54	-8.29	74	-28.29	0-360	200	V
3	9.3595	36.39	Pk	36.4	-26.5	46.29	54	-7.71	74	-27.71	0-360	100	H
6	9.42775	35.73	Pk	36.5	-26.3	45.93	54	-8.07	74	-28.07	0-360	200	V

Pk - Peak detector

**RADIATED EMISSIONS 30 TO 1000 MHz – LTE B5 Rx 881.5MHz**

**Radiated Emissions Graph**



**Radiated Emissions Data Points**

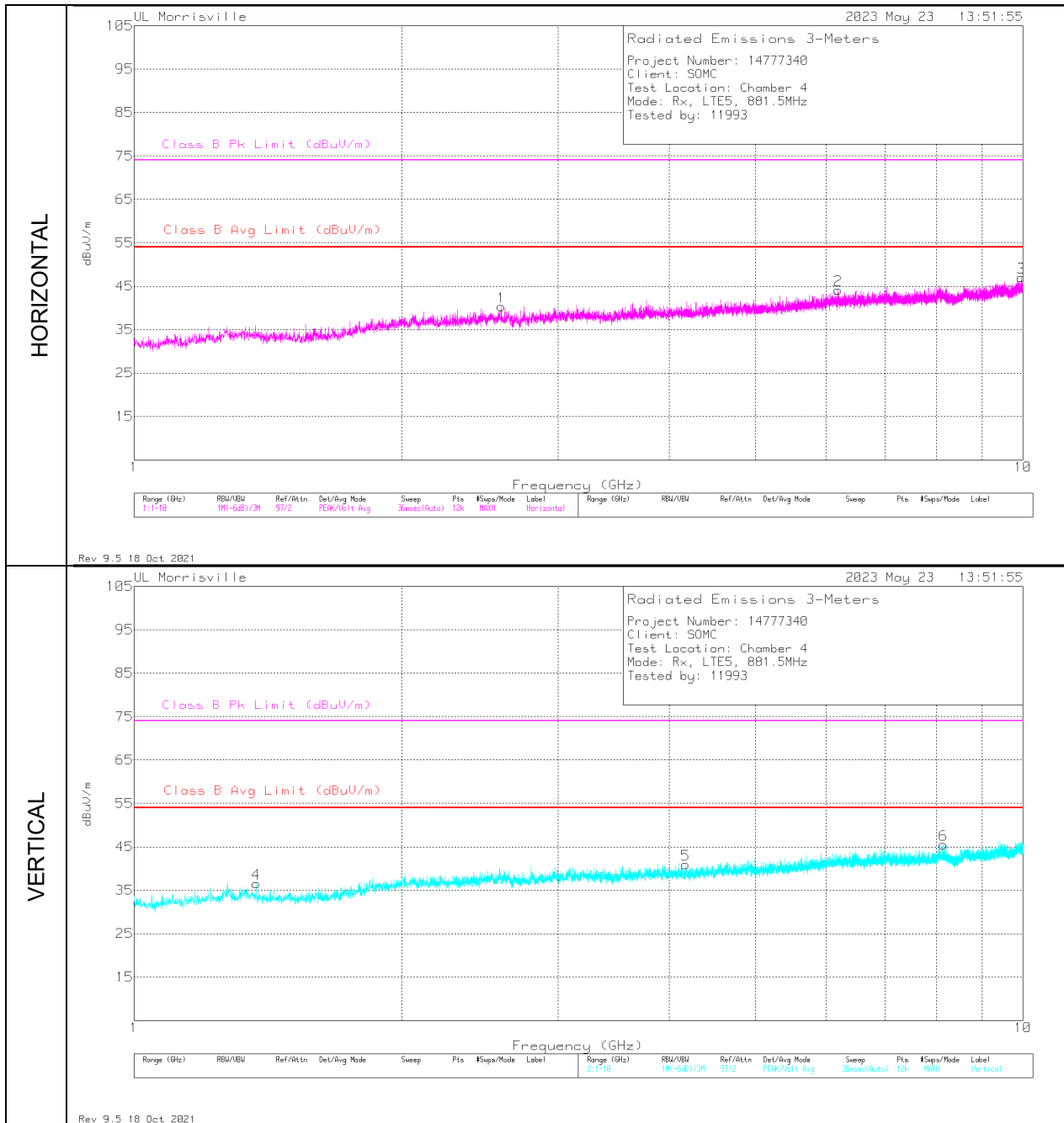
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	30.194	31.01	Pk	26.8	-31.7	26.11	40	-13.89	0-360	100	V
1	51.437	38.76	Pk	13.8	-31.3	21.26	40	-18.74	0-360	300	H
5	52.116	42.18	Pk	13.7	-31.3	24.58	40	-15.42	0-360	100	V
6	81.798	40.18	Pk	14.5	-31	23.68	40	-16.32	0-360	100	V
7	98.288	38.1	Pk	17.1	-30.7	24.5	43.52	-19.02	0-360	100	V
2	99.549	41.62	Pk	17.1	-30.8	27.92	43.52	-15.6	0-360	200	H
3	160.562	33.1	Pk	18.5	-30.2	21.4	43.52	-22.12	0-360	100	H
9 (DL)	880.205	60.92	Pk	28	-25.6	63.32	-	-	0-360	100	H
8 (DL)	881.078	61.82	Pk	28	-25.6	64.22	-	-	0-360	100	V

Pk - Peak detector

DL – Callbox downlink frequencies

**RADIATED EMISSIONS 1000 TO 10,000 MHz – LTE B5 Rx 881.5MHz**

**Radiated Emissions Graph**



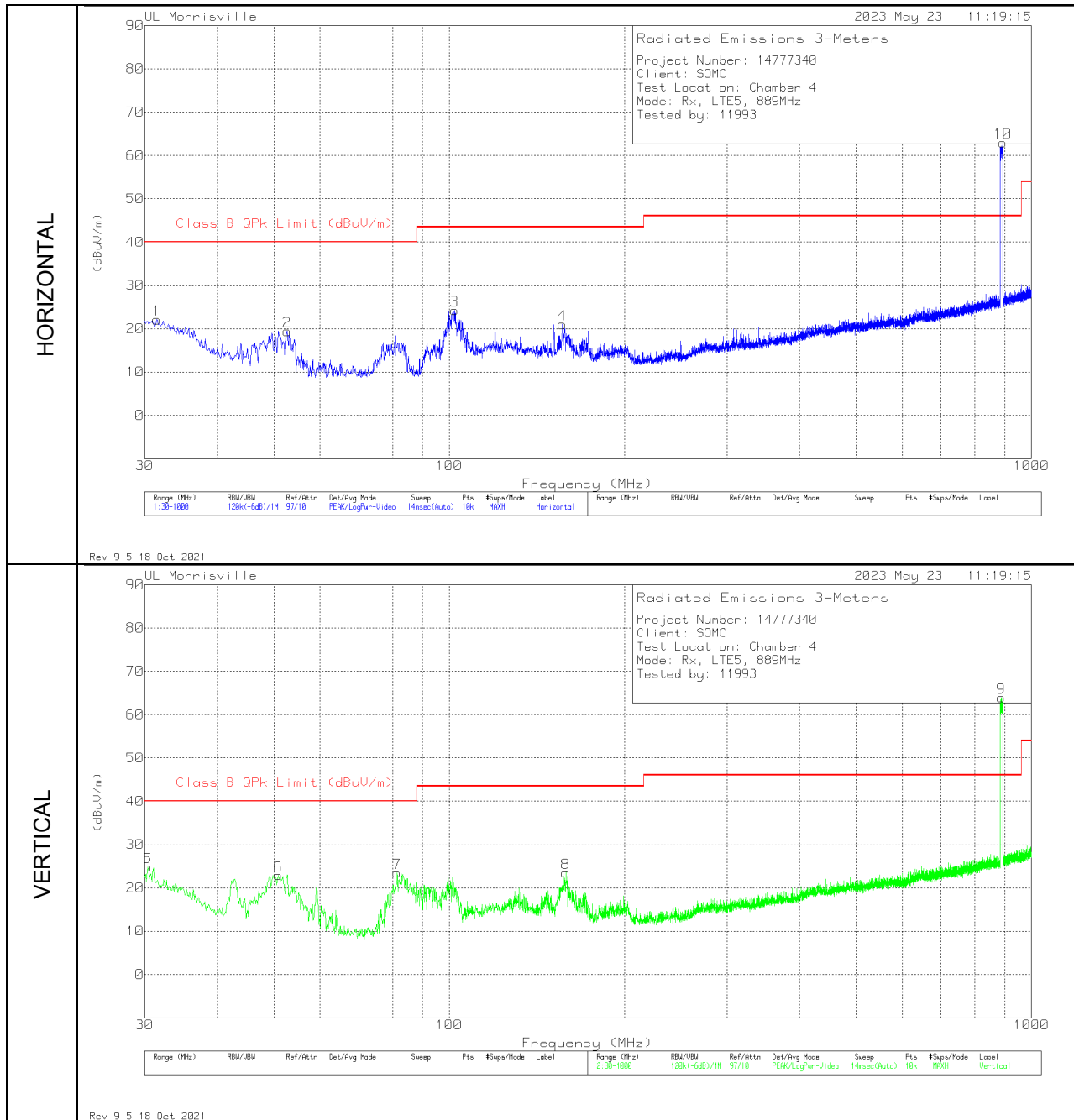
**Radiated Emissions Data Points**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (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
4	1.37275	43.58	Pk	29.3	-36.3	36.58	54	-17.42	74	-37.42	0-360	200	V
1	2.5885	43.89	Pk	32.7	-36.3	40.29	54	-13.71	74	-33.71	0-360	100	H
5	4.174	40.15	Pk	33.4	-32.6	40.95	54	-13.05	74	-33.05	0-360	200	V
2	6.19825	38.53	Pk	35.5	-29.9	44.13	54	-9.87	74	-29.87	0-360	100	H
6	8.1415	37.91	Pk	35.8	-28.2	45.51	54	-8.49	74	-28.49	0-360	200	V
3	9.95425	36.73	Pk	37.1	-26.8	47.03	54	-6.97	74	-26.97	0-360	100	H

Pk - Peak detector

**RADIATED EMISSIONS 30 TO 1000 MHz – LTE B5 Rx 889.0MHz**

**Radiated Emissions Graph**



**Radiated Emissions Data Points**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	30.388	29.8	Pk	26.7	-31.7	24.8	40	-15.2	0-360	100	V
1	31.455	27.8	Pk	26.1	-31.8	22.1	40	-17.9	0-360	100	H
6	50.855	40.26	Pk	13.9	-31.3	22.86	40	-17.14	0-360	200	V
2	52.698	37.12	Pk	13.6	-31.3	19.42	40	-20.58	0-360	300	H
7	81.41	39.86	Pk	14.6	-31	23.46	40	-16.54	0-360	100	V
3	102.168	37.94	Pk	17	-30.7	24.24	43.52	-19.28	0-360	200	H
4	156.585	32.6	Pk	18.6	-30.2	21	43.52	-22.52	0-360	100	H
8	158.622	35.05	Pk	18.6	-30.2	23.45	43.52	-20.07	0-360	100	V
9	887.577 (DL)	61.32	Pk	28.1	-25.5	63.92	-	-	0-360	100	V
10	893.494 (DL)	60.27	Pk	28.2	-25.5	62.97	-	-	0-360	100	H

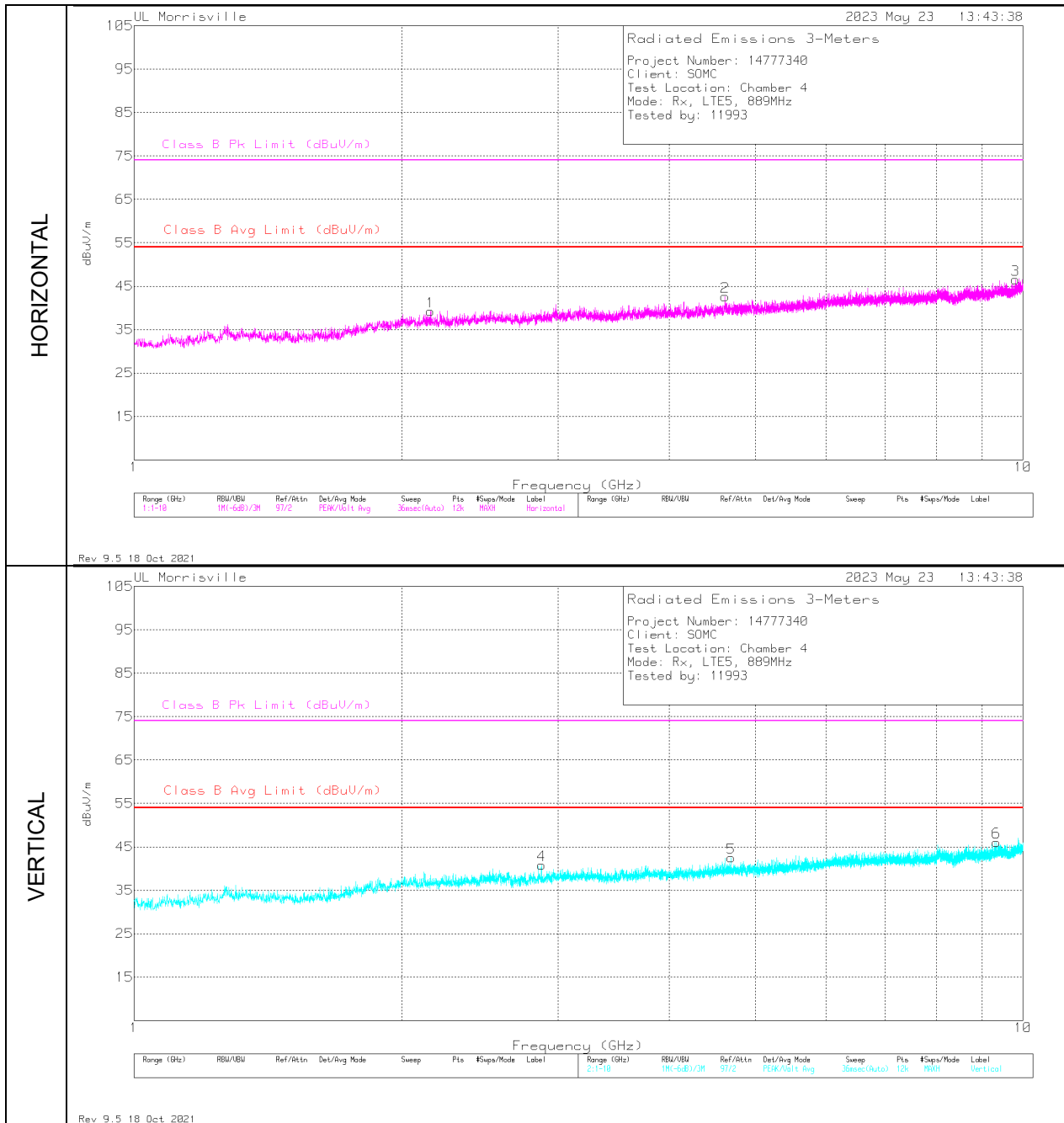
Pk - Peak detector

DL – Callbox downlink frequencies



**RADIATED EMISSIONS 1000 TO 10,000 MHz – LTE B5 Rx 889.0MHz**

**Radiated Emissions Graph**



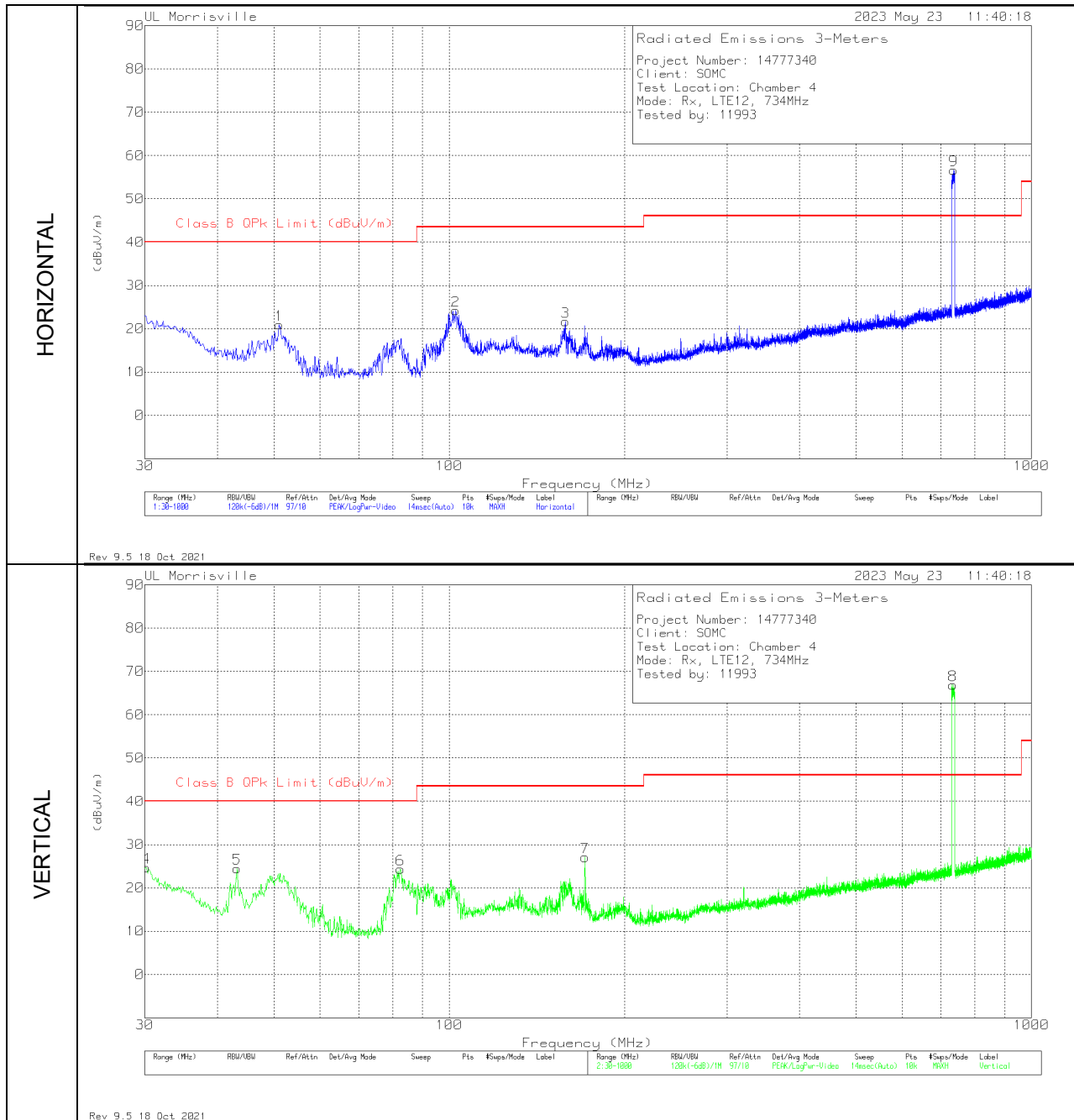
**Radiated Emissions Data Points**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (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	2.15575	43.5	Pk	31.9	-36.2	39.2	54	-14.8	74	-34.8	0-360	100	H
4	2.8735	43.9	Pk	32.7	-35.8	40.8	54	-13.2	74	-33.2	0-360	200	V
2	4.6225	40.92	Pk	34.1	-32.4	42.62	54	-11.38	74	-31.38	0-360	100	H
5	4.6975	40.77	Pk	34	-32.3	42.47	54	-11.53	74	-31.53	0-360	200	V
6	9.34	35.98	Pk	36.4	-26.3	46.08	54	-7.92	74	-27.92	0-360	200	V
3	9.8125	36.11	Pk	36.9	-26.5	46.51	54	-7.49	74	-27.49	0-360	100	H

Pk - Peak detector

**RADIATED EMISSIONS 30 TO 1000 MHz – LTE B12 Rx 734.0MHz**

**Radiated Emissions Graph**



**Radiated Emissions Data Points**

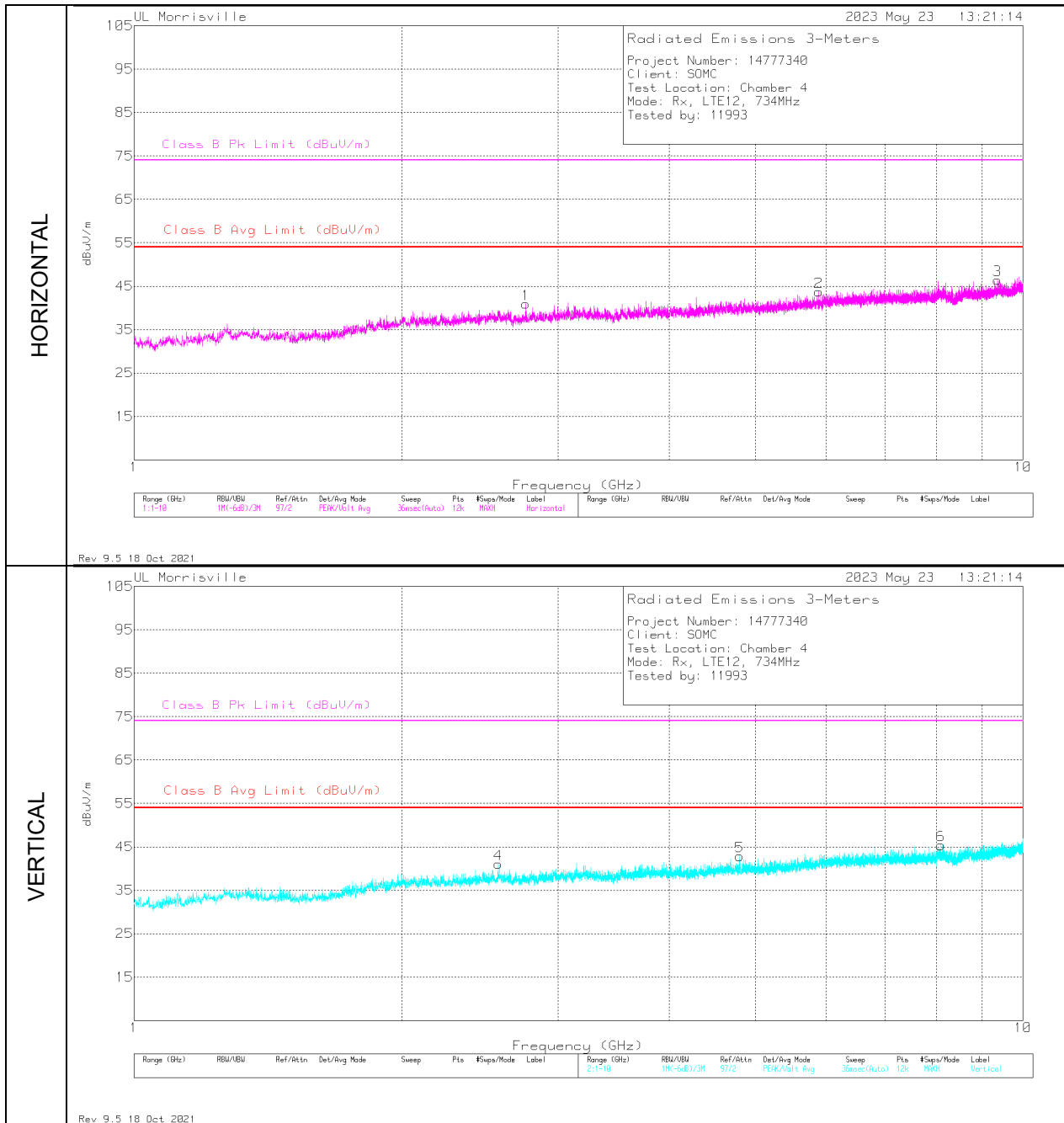
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	30.194	29.63	Pk	26.8	-31.7	24.73	40	-15.27	0-360	100	V
5	43.192	38.4	Pk	17.5	-31.4	24.5	40	-15.5	0-360	100	V
1	51.049	38.33	Pk	13.9	-31.3	20.93	40	-19.07	0-360	300	H
6	82.477	40.91	Pk	14.4	-31	24.31	40	-15.69	0-360	100	V
2	102.653	37.9	Pk	17.1	-30.8	24.2	43.52	-19.32	0-360	200	H
3	158.331	33.25	Pk	18.6	-30.2	21.65	43.52	-21.87	0-360	100	H
7	171.135	39.19	Pk	17.9	-30	27.09	43.52	-16.43	0-360	100	V
8	733.347 (DL)	67.17	Pk	26.7	-27	66.87	-	-	0-360	100	V
9	735.772 (DL)	56.93	Pk	26.7	-27	56.63	-	-	0-360	200	H

Pk - Peak detector

DL – Callbox downlink frequencies

**RADIATED EMISSIONS 1000 TO 10,000 MHz – LTE B12 Rx 734.0MHz**

**Radiated Emissions Graph**



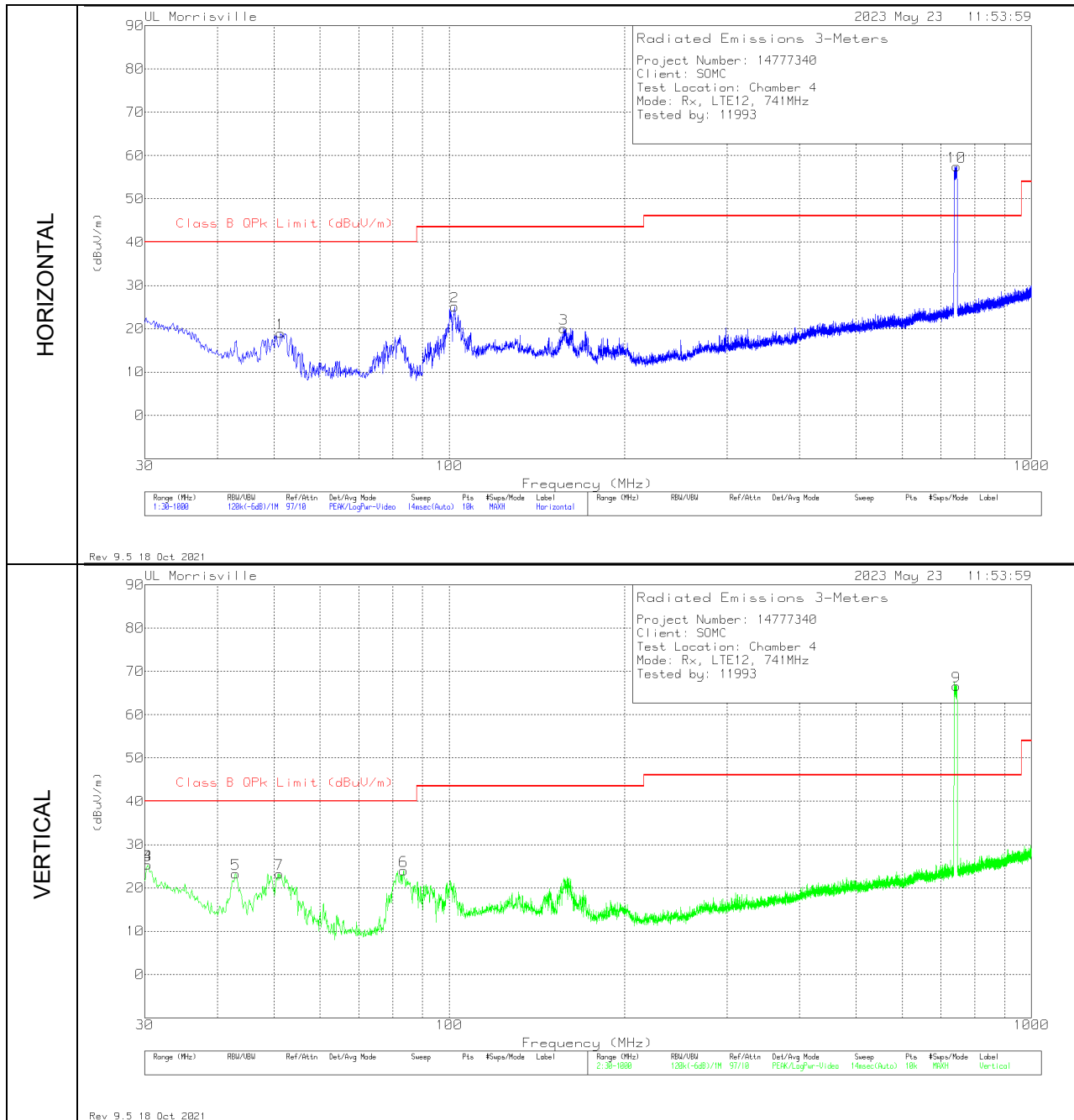
**Radiated Emissions Data Points**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (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
4	2.569	44.54	Pk	32.7	-36.2	41.04	54	-12.96	74	-32.96	0-360	200	V
1	2.7595	44.61	Pk	32.4	-36.1	40.91	54	-13.09	74	-33.09	0-360	100	H
5	4.80175	40.83	Pk	34.1	-32.1	42.83	54	-11.17	74	-31.17	0-360	200	V
2	5.89225	39.29	Pk	35.1	-30.7	43.69	54	-10.31	74	-30.31	0-360	100	H
6	8.08525	37.88	Pk	35.8	-28.3	45.38	54	-8.62	74	-28.62	0-360	200	V
3	9.3655	36.42	Pk	36.4	-26.4	46.42	54	-7.58	74	-27.58	0-360	100	H

Pk - Peak detector

### RADIATED EMISSIONS 30 TO 1000 MHz – LTE B12 Rx 741.0MHz

#### Radiated Emissions Graph



**Radiated Emissions Data Points**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	30.388	30.32	Pk	26.7	-31.7	25.32	40	-14.68	0-360	100	V
8	30.388	30.32	Pk	26.7	-31.7	25.32	40	-14.68	0-360	100	V
5	42.998	37.06	Pk	17.6	-31.4	23.26	40	-16.74	0-360	100	V
7	51.049	40.66	Pk	13.9	-31.3	23.26	40	-16.74	0-360	100	V
1	51.34	36.5	Pk	13.8	-31.3	19	40	-21	0-360	300	H
6	83.544	40.68	Pk	14.1	-30.8	23.98	40	-16.02	0-360	100	V
2	102.265	38.83	Pk	17	-30.7	25.13	43.52	-18.39	0-360	200	H
3	157.264	31.55	Pk	18.6	-30.1	20.05	43.52	-23.47	0-360	200	H
9	743.435 (DL)	66.87	Pk	26.7	-27	66.57	-	-	0-360	100	V
10	744.017 (DL)	57.8	Pk	26.7	-27	57.5	-	-	0-360	200	H

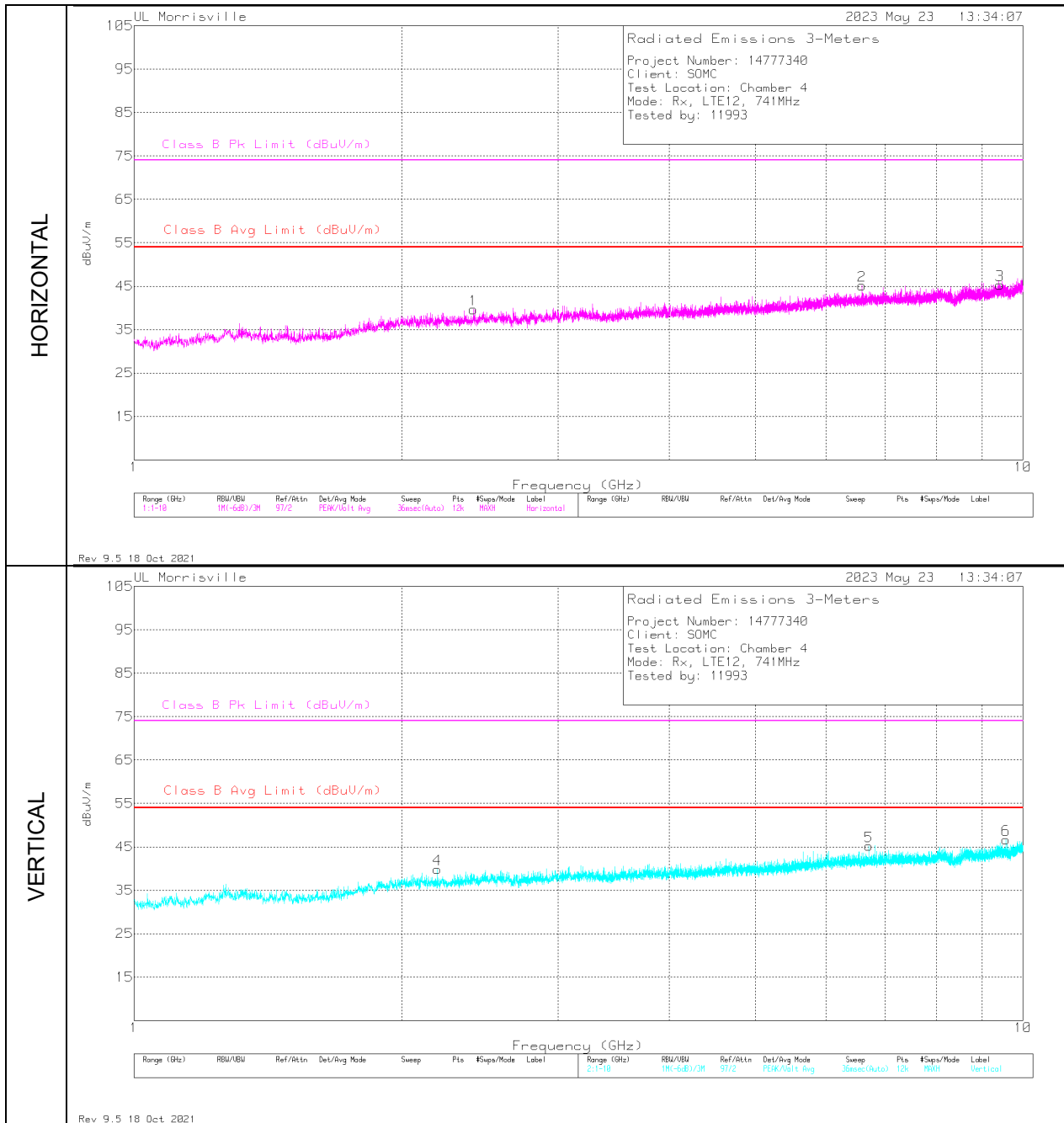
Pk - Peak detector

DL – Callbox downlink frequencies



**RADIATED EMISSIONS 1000 TO 10,000 MHz – LTE B12 Rx 741.0MHz**

**Radiated Emissions Graph**



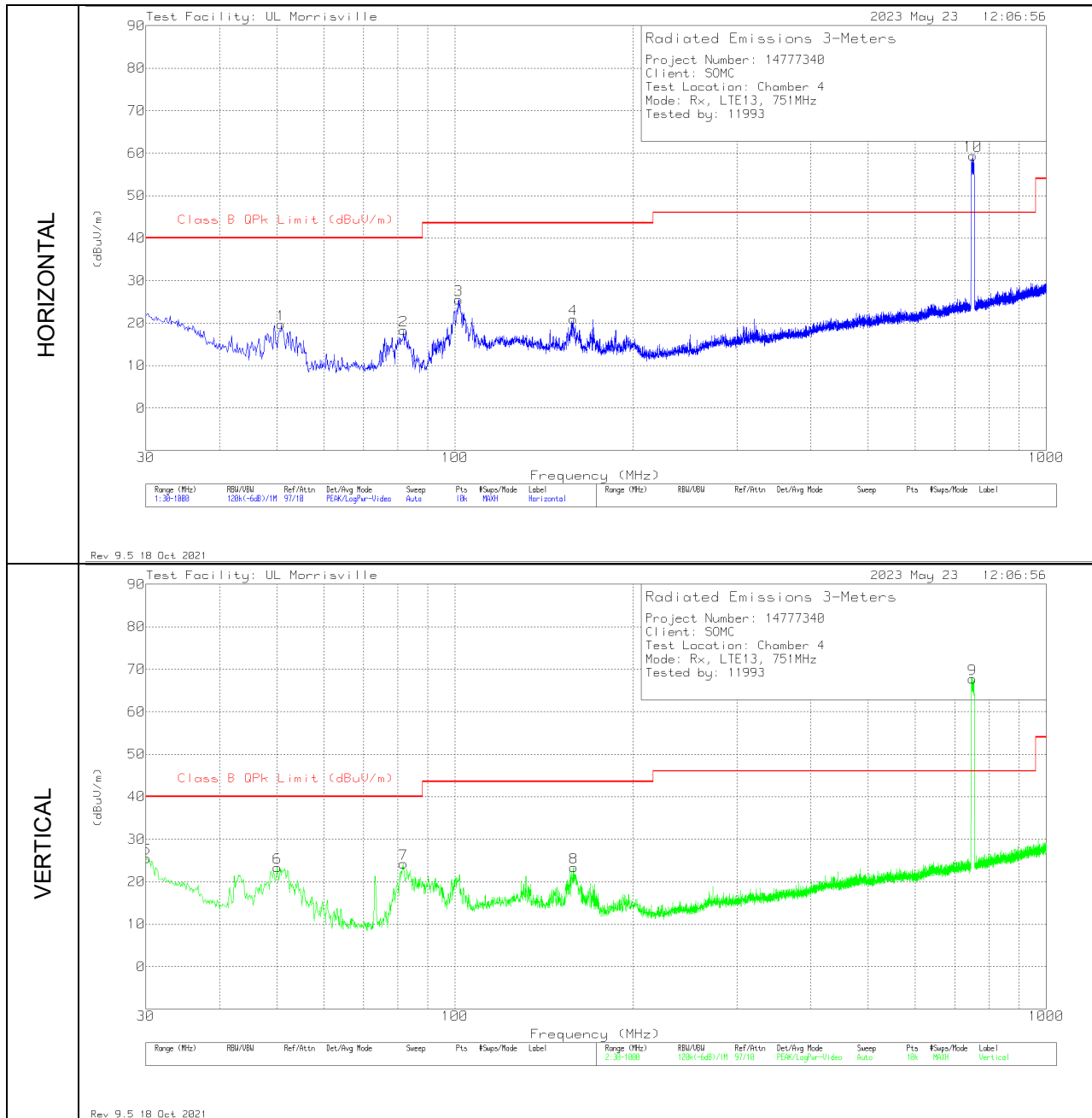
**Radiated Emissions Data Points**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (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
4	2.19475	44.26	Pk	31.9	-36.3	39.86	54	-14.14	74	-34.14	0-360	200	V
1	2.40925	43.55	Pk	32.2	-36.1	39.65	54	-14.35	74	-34.35	0-360	100	H
2	6.59125	38.93	Pk	35.5	-29.3	45.13	54	-8.87	74	-28.87	0-360	100	H
5	6.70675	38.66	Pk	35.6	-29.1	45.16	54	-8.84	74	-28.84	0-360	200	V
3	9.41875	35.31	Pk	36.5	-26.5	45.31	54	-8.69	74	-28.69	0-360	100	H
6	9.565	36.38	Pk	36.6	-26.3	46.68	54	-7.32	74	-27.32	0-360	200	V

Pk - Peak detector

**RADIATED EMISSIONS 30 TO 1000 MHz – LTE B13 Rx 751.0MHz**

**Radiated Emissions Graph**



**Radiated Emissions Data Points**

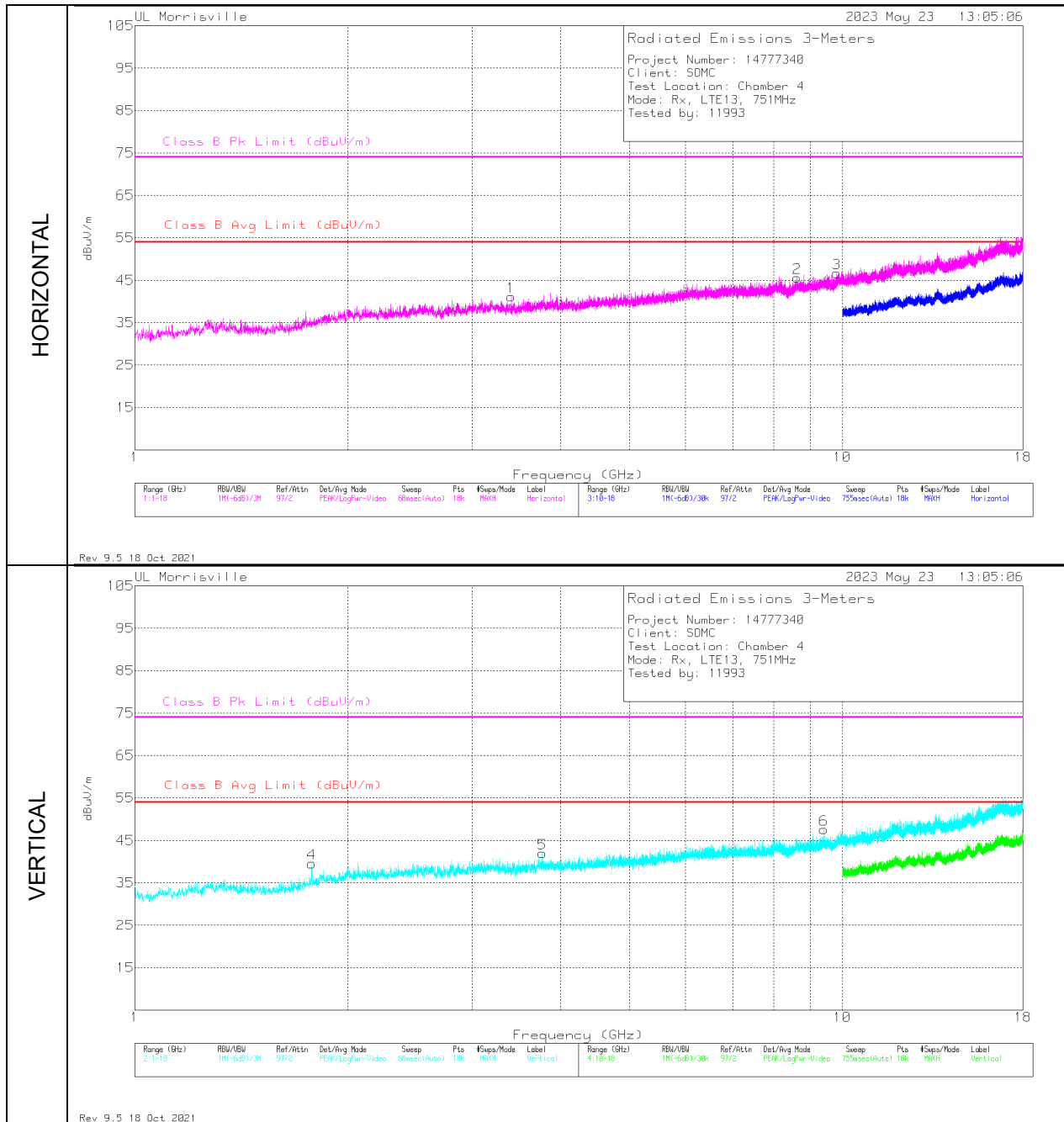
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	30.097	30.38	Pk	26.9	-31.8	25.48	40	-14.52	0-360	100	V
6	50.079	40.6	Pk	14.1	-31.4	23.3	40	-16.7	0-360	100	V
1	50.855	37.13	Pk	13.9	-31.3	19.73	40	-20.27	0-360	300	H
2	81.798	34.76	Pk	14.5	-31	18.26	40	-21.74	0-360	300	H
7	81.798	40.67	Pk	14.5	-31	24.17	40	-15.83	0-360	100	V
3	101.489	39.18	Pk	16.9	-30.6	25.48	43.52	-18.04	0-360	200	H
4	158.525	32.49	Pk	18.6	-30.2	20.89	43.52	-22.63	0-360	200	H
8	158.719	34.99	Pk	18.6	-30.2	23.39	43.52	-20.13	0-360	100	V
9	750.225 (DL)	67.8	Pk	26.8	-26.9	67.7	-	-	0-360	100	V
10	751.292 (DL)	59.46	Pk	26.8	-26.8	59.46	-	-	0-360	200	H

Pk - Peak detector

DL – Callbox downlink frequencies

**RADIATED EMISSIONS 1000 TO 18,000 MHz – LTE B13 Rx 751.0MHz**

**Radiated Emissions Graph**



**Radiated Emissions Data Points**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (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
4	1.77822	45.85	Pk	30.1	-36.4	39.55	54	-14.45	74	-34.45	0-360	200	V
1	3.40267	43.43	Pk	32.7	-35	41.13	54	-12.87	74	-32.87	0-360	100	H
5	3.76628	42.45	Pk	33.5	-34	41.95	54	-12.05	74	-32.05	0-360	200	V
2	8.633	36.69	Pk	35.8	-26.9	45.59	54	-8.41	74	-28.41	0-360	100	H
6	9.41405	37.55	Pk	36.5	-26.5	47.55	54	-6.45	74	-26.45	0-360	200	V
3	9.823	36.46	Pk	36.9	-26.7	46.66	54	-7.34	74	-27.34	0-360	100	H

Pk - Peak detector

## Appendix A

### Facilities, Accreditations and Authorizations

UL LLC is accredited by A2LA, certification # 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
<input type="checkbox"/>	Building: 12 Laboratory Dr RTP, NC 27709, U.S.A	US0067	2180C	825374
<input checked="" type="checkbox"/>	Building: 2800 Perimeter Park Dr. Suite B Morrisville, NC 27560, U.S.A		27265	

**END OF TEST REPORT**