

# **TEST REPORT**

**Report Number:** R14777340-E8

**Applicant :** Sony Corporation  
1-7-1 Konan Minato-Ku  
Tokyo, 108-0075, Japan

**FCC ID :** PY7-76732V

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

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

**Date Of Issue:**  
2023-06-17

**Prepared by:**  
UL LLC  
12 Laboratory Dr.  
Research Triangle Park, NC 27709 U.S.A.  
TEL: (919) 549-1400



## REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2023-06-17	Initial Issue	Brian Kiewra

## TABLE OF CONTENTS

<b>REVISION HISTORY .....</b>	<b>2</b>
<b>TABLE OF CONTENTS .....</b>	<b>3</b>
<b>1. ATTESTATION OF TEST RESULTS .....</b>	<b>4</b>
<b>2. TEST METHODOLOGY .....</b>	<b>5</b>
<b>3. FACILITIES AND ACCREDITATION .....</b>	<b>5</b>
<b>4. DECISION RULES AND MEASUREMENT UNCERTAINTY .....</b>	<b>6</b>
4.1. METROLOGICAL TRACEABILITY .....	6
4.2. DECISION RULES.....	6
4.3. MEASUREMENT UNCERTAINTY.....	6
4.4. SAMPLE CALCULATION .....	6
<b>5. EQUIPMENT UNDER TEST .....</b>	<b>7</b>
5.1. DESCRIPTION OF EUT .....	7
5.2. MAXIMUM ELECTRIC FIELD STENGTH.....	7
5.3. SOFTWARE AND FIRMWARE.....	7
5.4. WORST-CASE CONFIGURATION AND MODE.....	7
5.5. DESCRIPTION OF TEST SETUP.....	8
<b>6. TEST AND MEASUREMENT EQUIPMENT .....</b>	<b>9</b>
<b>7. 20 dB BANDWIDTH .....</b>	<b>11</b>
7.1. CONFIG 1.....	11
7.2. CONFIG 2.....	12
<b>8. RADIATED EMISSION TEST RESULTS.....</b>	<b>13</b>
8.1. LIMITS AND PROCEDURE .....	13
8.2. FCC TX FUNDAMENTAL AND SPURIOUS EMISSIONS FROM 9 kHz TO 30 MHz ..	14
8.2.1. CONFIG 1.....	14
8.2.2. CONFIG 2.....	15
<b>9. AC MAINS LINE CONDUCTED EMISSIONS.....</b>	<b>16</b>
9.1.1. CONFIG 1.....	17
9.1.2. CONFIG 2.....	19
<b>10. SETUP PHOTOS .....</b>	<b>21</b>
<b>END OF TEST REPORT .....</b>	<b>21</b>

## 1. ATTESTATION OF TEST RESULTS

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

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

**SERIAL NUMBER:** QV770028HJ

**SAMPLE RECEIPT DATE:** 2023-05-26

**DATE TESTED:** 2023-06-02 to 2023-06-14

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 15 SUBPART C	Complies

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.

Approved & Released  
For UL LLC By:



Mike Antola  
Staff Engineer  
Consumer Technology Division  
UL LLC

Prepared By:



Brian Kiewra  
Project Engineer  
Consumer Technology Division  
UL LLC

## 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2013, FCC 47 CFR Part 2, and FCC 47 CFR Part 15.

## 3. 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
<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	

## 4. DECISION RULES AND MEASUREMENT UNCERTAINTY

### 4.1. 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.

### 4.2. 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.)

### 4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	U <sub>Lab</sub>
Radio Frequency (Spectrum Analyzer)	141.2 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%

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

### 4.4. 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.  
 $\text{dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} = 46.6 \text{ dBuV}$

## 5. EQUIPMENT UNDER TEST

### 5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE/5G Phone with BT, DTS, UNII a/b/g/n/ac/ax, GPS, WPT & NFC. This report covers WPT testing.

### 5.2. MAXIMUM ELECTRIC FIELD STENGTH

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

Fundamental Frequency (kHz)	Mode	E field (300m distance) FCC (dBuV/m)
121	Charging Config 1	-35.82
111	Charging Config 2	-3.70

### 5.3. SOFTWARE AND FIRMWARE

The software version used during testing was 2.182

### 5.4. WORST-CASE CONFIGURATION AND MODE

The EUT is a WPT charger operating from 111-148 kHz. Testing on the EUT was performed in the following configurations:

Config	Mode	Descriptions
1	Server: Charging Phone (parallel position)	EUT charging phone in parallel position
2	Server: Charging Phone (perpendicular)	EUT charging phone in perpendicular position

For all radiated emissions tests, both configurations were tested. The device being charged was also tested at several battery percentages. It was determined that a state of 5% charged was the worst case mode of operation. Therefore all emissions testing was performed with the battery at 5%. Both configurations were investigated for worst case emissions. Configuration 1 showed worst case emissions when the phones were off center. Configuration 2 showed worst case emissions when the phones were centered.

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.

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.

## 5.5. DESCRIPTION OF TEST SETUP

### SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adaptor	Sony	XQZ-UC1	1821W34209742	NA
Sony Phone Client device for WPT	Sony	PY7-76732V	QV77006VHJ	NA
Headphones	Sony	MDR-EX15AP	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	XQZ-UB1
2	3.5mm	1	AUX	Shielded	<3m	Headphones – Used for port population

### TEST SETUP

The EUT is placed into one of the two configurations prior to testing. Either with the EUT being charged by a client Sony Phone in a parallel, or perpendicular orientation. The EUT was left charging throughout the duration of the test.

### SETUP DIAGRAM

Refer to R14777340-EP8 for setup diagrams.



## 6. TEST AND MEASUREMENT EQUIPMENT

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

### Test Equipment Used - Wireless Conducted Measurement Equipment

Equipment ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
81010	Spectrum Analyzer	Agilent	E4446A	2022-08-02	2023-08-02
SA0026	Spectrum Analyzer	Agilent	N9030A	2022-08-02	2023-08-02
207726	Temp/Humid Chamber	Thermotron	SM-32-8200	2023-01-20	2024-01-20
HI0091	Environmental Meter	Fisher Scientific	15-077-963	2022-07-20	2023-07-20
SOFTEMI	Antenna Port Software	UL	Version 2022.8.16	NA	NA
NA	Near Field Probe Set	EMCO	7405	NA	NA

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

Equipment ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
0.009-30MHz					
135144	Active Loop Antenna	ETS-Lindgren	6502	2023-01-17	2024-01-17
30-1000 MHz					
90629	Hybrid Broadband Antenna	Sunol Sciences Corp.	JB3	2023-01-06	2024-01-06
Gain-Loss Chains					
207638	Gain-loss string: 0.009-30MHz	Various	Various	2023-05-17	2024-05-17
207639	Gain-loss string: 25-1000MHz	Various	Various	2023-05-17	2024-05-17
Receiver & Software					
197955	Spectrum Analyzer	Rohde & Schwarz	ESW44	2023-04-10	2024-04-10
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
Additional Equipment used					
21642	Environmental Meter	Fisher Scientific	15-077-963 (s/n 210701692)	2021-08-16	2023-08-16
92852	AC Power Source	Elgar	CW2501M	NA	NA

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

Equipment ID	Description	Manufacturer/Brand	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

## 7. 20 dB BANDWIDTH

### LIMITS

FCC §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.

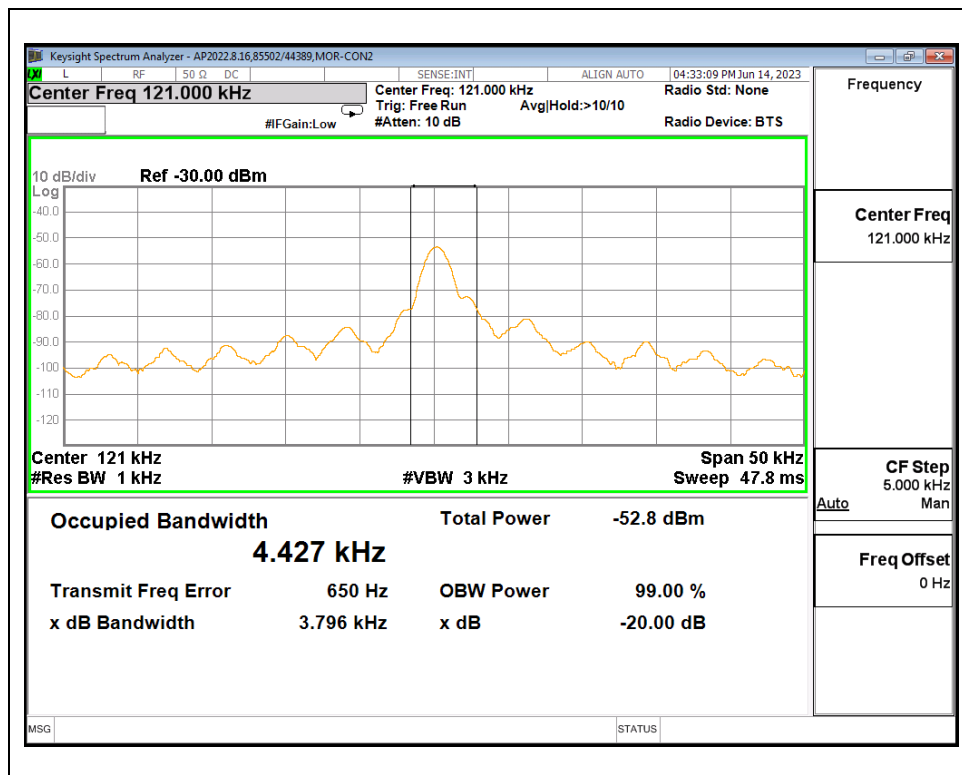
### TEST PROCEDURE

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 20dB bandwidth function is utilized.

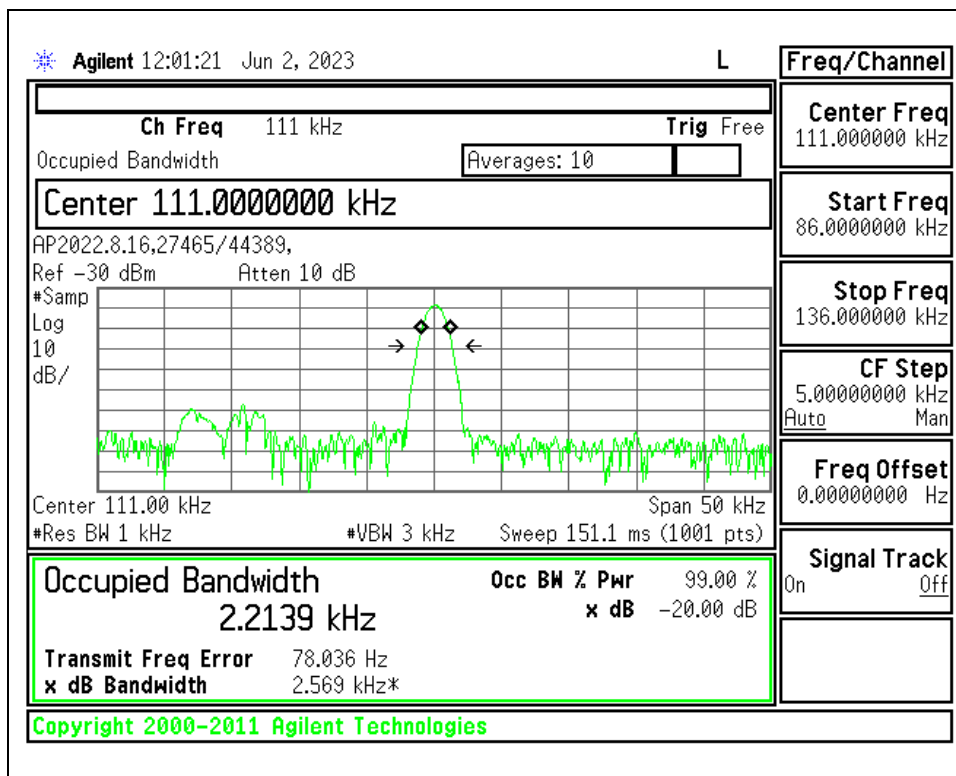
Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.

### RESULTS

#### 7.1. CONFIG 1



## 7.2. CONFIG 2



## 8. RADIATED EMISSION TEST RESULTS

### 8.1. LIMITS AND PROCEDURE

#### LIMIT

FCC §15.209 (a)

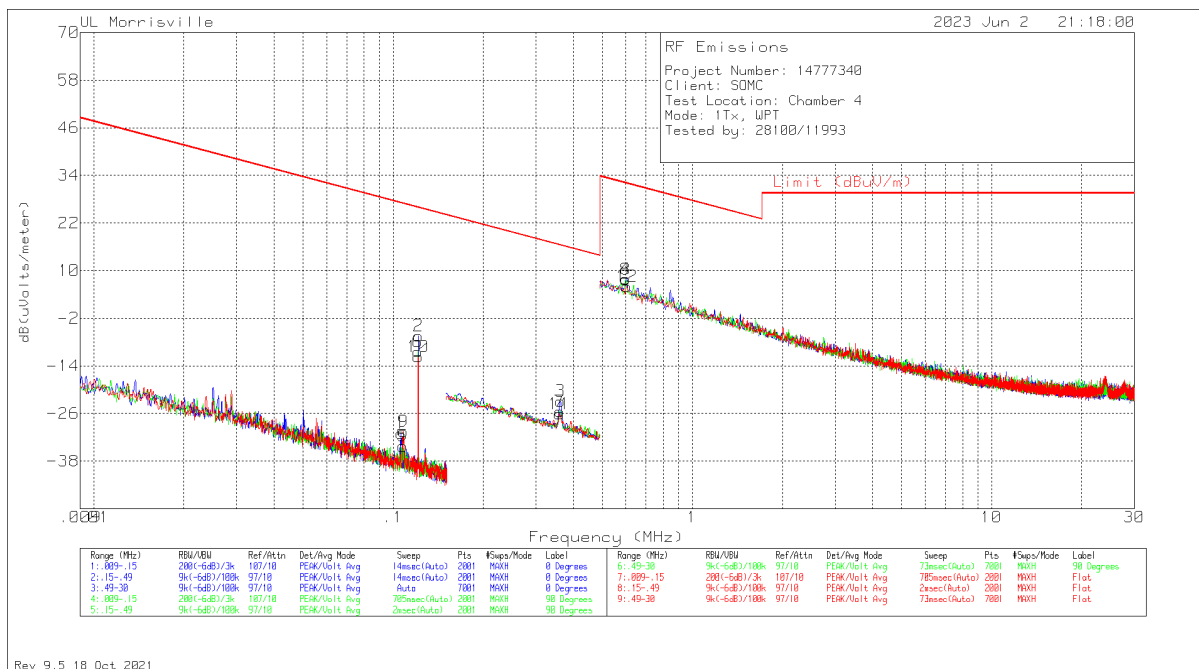
Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (m)
0.009–0.490	2400/F(kHz)	300
0.490–1.705	24000/F(kHz)	30
1.705–30.0	30	30
30–88	100	3
88 to 216	150	3
216 to 960	200	3
Above 960 MHz	500	3
Note: The lower limit shall apply at the transition frequency.		

#### RESULTS

## 8.2. FCC TX FUNDAMENTAL AND SPURIOUS EMISSIONS FROM 9 kHz TO 30 MHz

Note: 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  $40 \cdot \log(\text{test distance} / \text{specification distance})$ .

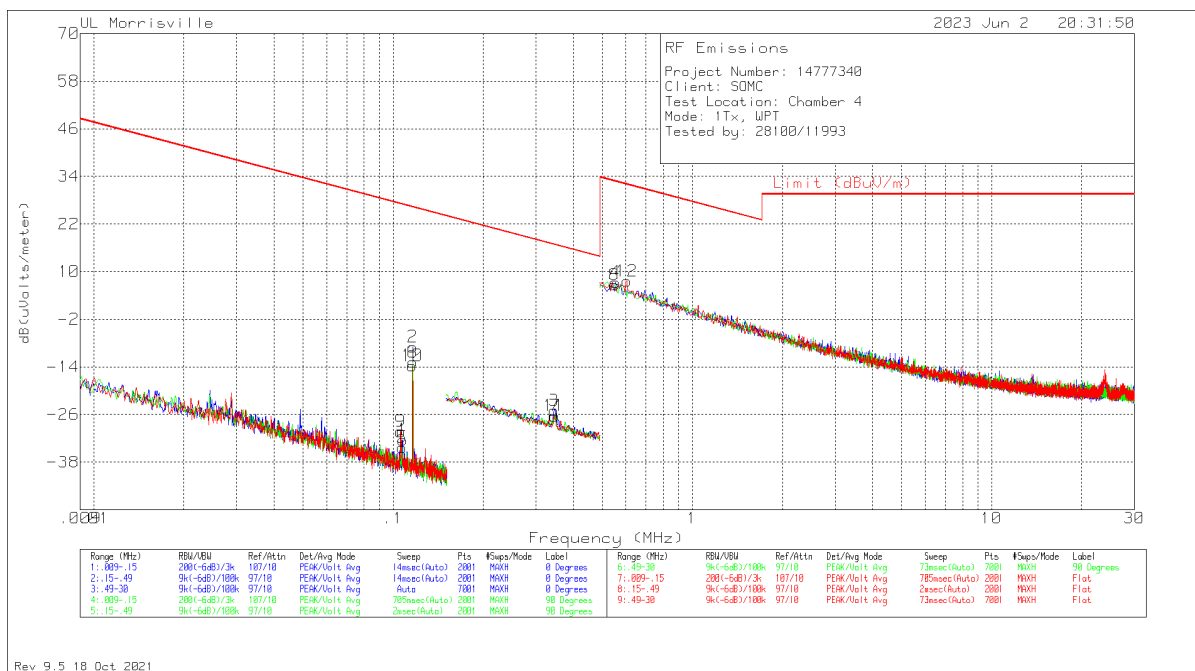
### 8.2.1. CONFIG 1



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	135144 (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading (dBuV/m)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
1	.10627	36.71	Pk	12.2	.1	-80	-30.99	27.08	47.08	-58.07	0-360	0 degs
5	.1079	33.48	Pk	12.2	.1	-80	-34.22	26.94	46.94	-61.16	0-360	90 degs
9	.10819	37.16	Pk	12.2	.1	-80	-30.54	26.92	46.92	-57.46	0-360	Flat
6	.12089	31.81	Pk	12.2	.1	-80	-35.89	25.96	45.96	-61.85	273	90 degs
	.12089	23.12	Av	12.2	.1	-80	-44.58	25.96	45.96	-70.54	273	90 degs
10	.12111	31.88	Pk	12.2	.1	-80	-35.82	25.94	45.94	-61.76	277	Flat
	.12111	22.85	Av	12.2	.1	-80	-44.85	25.94	45.94	-70.79	277	Flat
2	.12138	31.35	Pk	12.2	.1	-80	-36.35	25.92	45.92	-62.27	158	0 degs
	.12138	22.94	Av	12.2	.1	-80	-44.76	25.92	45.92	-70.68	158	0 degs
11	.35961	41.59	Pk	12.2	.1	-80	-26.11	16.49	36.49	-42.6	0-360	Flat
7	.36097	42.24	Pk	12.2	.1	-80	-25.46	16.45	36.45	-41.91	0-360	90 degs
3	.36208	44.81	Pk	12.2	.1	-80	-22.89	16.43	36.43	-39.32	0-360	0 degs
4	.59962	35.51	Pk	12.2	.2	-40	7.91	32.05	-	-24.14	0-360	0 degs
8	.59962	35.35	Pk	12.2	.2	-40	7.75	32.05	-	-24.3	0-360	90 degs
12	.60383	33.6	Pk	12.2	.2	-40	6	31.99	-	-25.99	0-360	Flat

Pk - Peak detector  
Av - Average detection

## 8.2.2. CONFIG 2



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	135144 (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading (dBuV/m)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
9	.10592	37.44	Pk	12.2	.1	-80	-30.26	27.11	47.11	-57.37	0-360	Flat
5	.10719	33.4	Pk	12.2	.1	-80	-34.3	27	47	-61.3	0-360	90 degs
1	.10769	35.33	Pk	12.2	.1	-80	-32.37	26.96	46.96	-59.33	0-360	0 degs
10	.11104	59.02	Pk	12.2	.1	-80	-8.68	26.69	46.69	-35.37	327	Flat
	.11104	58.73	Av	12.2	.1	-80	-8.97	26.69	46.69	-35.66	327	Flat
2	.11085	64	Pk	12.2	.1	-80	-3.7	26.71	46.71	-30.41	336	0 degs
	.11085	63.81	Av	12.2	.1	-80	-3.89	26.71	46.71	-30.6	336	0 degs
6	.11093	59.68	Pk	12.2	.1	-80	-8.02	26.7	46.7	-34.72	55	90 degs
	.11093	59.45	Av	12.2	.1	-80	-8.25	26.7	46.7	-34.95	55	90 degs
3	.34482	42.7	Pk	12.2	.1	-80	-25	16.85	36.85	-41.85	0-360	0 degs
11	.34499	41.38	Pk	12.2	.1	-80	-26.32	16.85	36.85	-43.17	0-360	Flat
7	.34695	41.38	Pk	12.2	.1	-80	-26.32	16.8	36.8	-43.12	0-360	90 degs
8	.54902	34.26	Pk	12.2	.2	-40	6.66	32.81	-	-26.15	0-360	90 degs
4	.55324	34.91	Pk	12.2	.2	-40	7.31	32.75	-	-25.44	0-360	0 degs
12	.60383	35.18	Pk	12.2	.2	-40	7.58	31.99	-	-24.41	0-360	Flat

Pk - Peak detector

Av - Average detection

## 9. AC MAINS 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.

### 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.

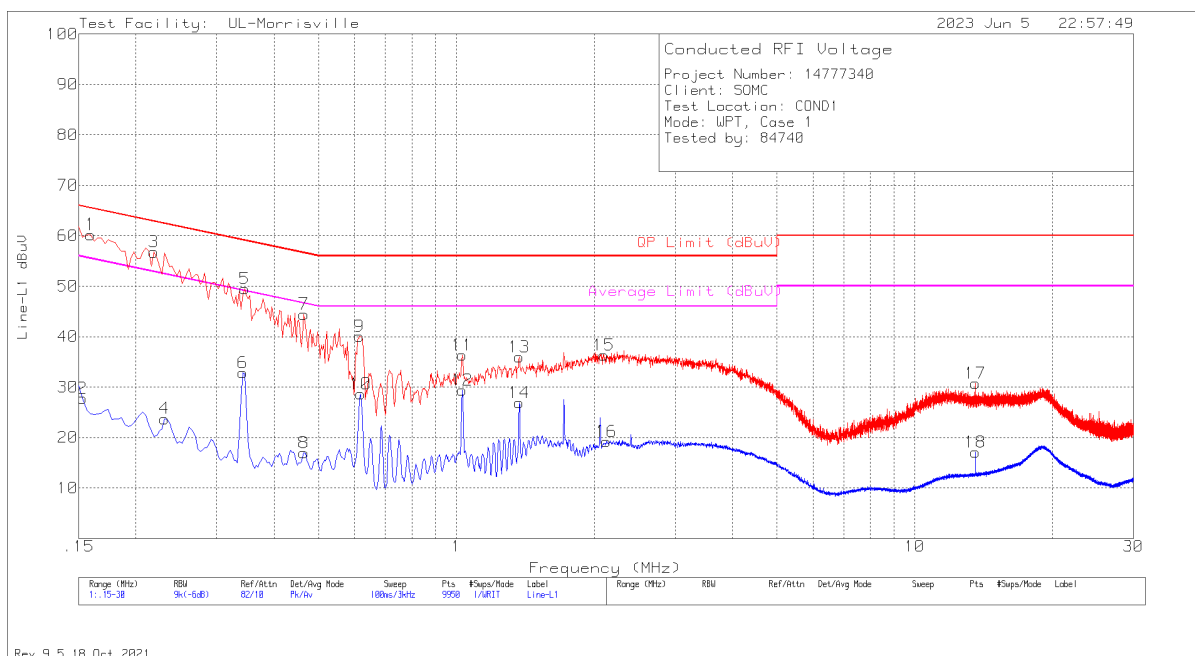
Line conducted data is recorded for both lines.

### RESULTS



## 9.1.1. CONFIG 1

### LINE 1 RESULTS

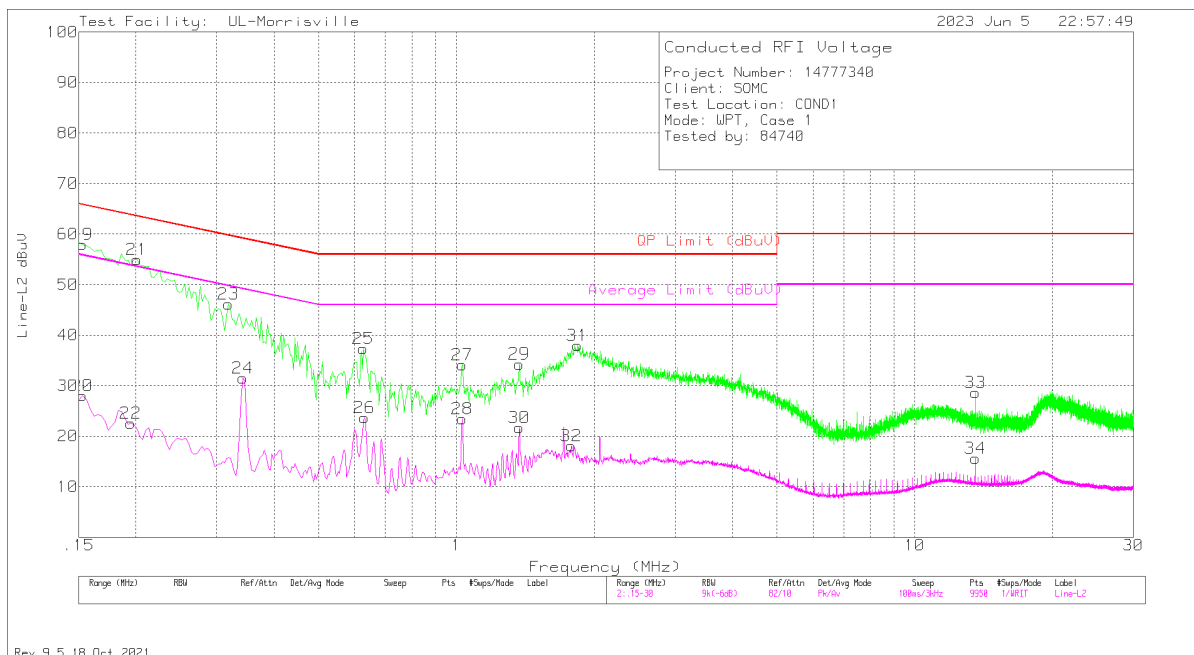


Range 1: Line-L1 .15 - 30MHz

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	.15338	40.21	Qp	.2	9.8	50.21	65.81	-15.6	-	-
2	.153	17.81	Av	.2	9.8	27.81	-	-	55.84	-28.03
3	.219	46.87	Pk	.1	9.8	56.77	62.86	-6.09	-	-
4	.231	13.84	Av	.1	9.8	23.74	-	-	52.41	-28.67
5	.345	39.58	Pk	.1	9.8	49.48	59.08	-9.6	-	-
6	.342	22.93	Av	.1	9.8	32.83	-	-	49.15	-16.32
7	.465	34.67	Pk	0	9.8	44.47	56.6	-12.13	-	-
8	.465	7.16	Av	0	9.8	16.96	-	-	46.6	-29.64
9	.615	30.24	Pk	0	9.8	40.04	56	-15.96	-	-
10	.618	18.81	Av	0	9.8	28.61	-	-	46	-17.39
11	1.029	26.5	Pk	0	9.8	36.3	56	-19.7	-	-
12	1.029	19.54	Av	0	9.8	29.34	-	-	46	-16.66
13	1.371	26.15	Pk	0	9.8	35.95	56	-20.05	-	-
14	1.371	17.05	Av	0	9.8	26.85	-	-	46	-19.15
15	2.097	26.5	Pk	0	9.8	36.3	56	-19.7	-	-
16	2.124	9.41	Av	0	9.8	19.21	-	-	46	-26.79
17	13.56	20.68	Pk	.1	10	30.78	60	-29.22	-	-
18	13.56	6.97	Av	.1	10	17.07	-	-	50	-32.93

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

## LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

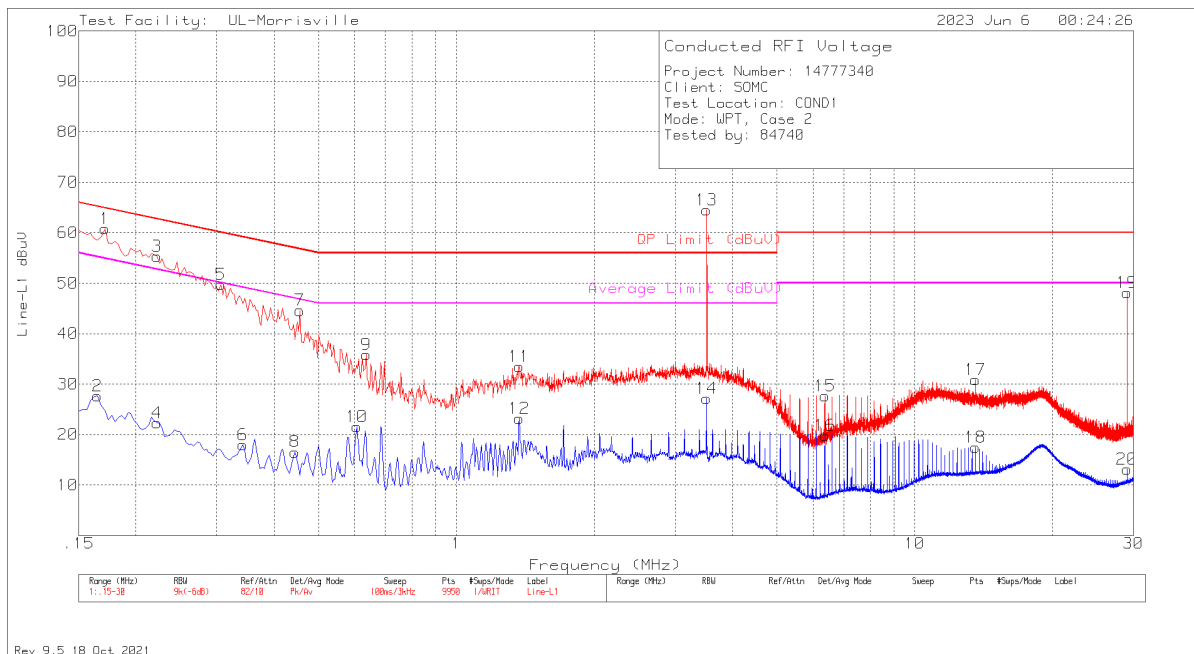
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
19	.153	47.93	Pk	.2	9.8	57.93	65.84	-7.91	-	-
20	.153	17.97	Av	.2	9.8	27.97	-	-	55.84	-27.87
21	.201	45.12	Pk	.1	9.8	55.02	63.57	-8.55	-	-
22	.195	12.61	Av	.2	9.8	22.61	-	-	53.82	-31.21
23	.318	36.24	Pk	.1	9.8	46.14	59.76	-13.62	-	-
24	.342	21.65	Av	.1	9.8	31.55	-	-	49.15	-17.6
25	.627	27.55	Pk	0	9.8	37.35	56	-18.65	-	-
26	.63	13.93	Av	0	9.8	23.73	-	-	46	-22.27
27	1.029	24.36	Pk	0	9.8	34.16	56	-21.84	-	-
28	1.029	13.67	Av	0	9.8	23.47	-	-	46	-22.53
29	1.371	24.49	Pk	0	9.8	34.29	56	-21.71	-	-
30	1.371	11.89	Av	0	9.8	21.69	-	-	46	-24.31
31	1.839	28.2	Pk	0	9.8	38	56	-18	-	-
32	1.779	8.25	Av	0	9.8	18.05	-	-	46	-27.95
33	13.563	18.58	Pk	.1	10	28.68	60	-31.32	-	-
34	13.56	5.55	Av	.1	10	15.65	-	-	50	-34.35

Pk - Peak detector

Av - Average detection

## 9.1.2. CONFIG 2

### LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz

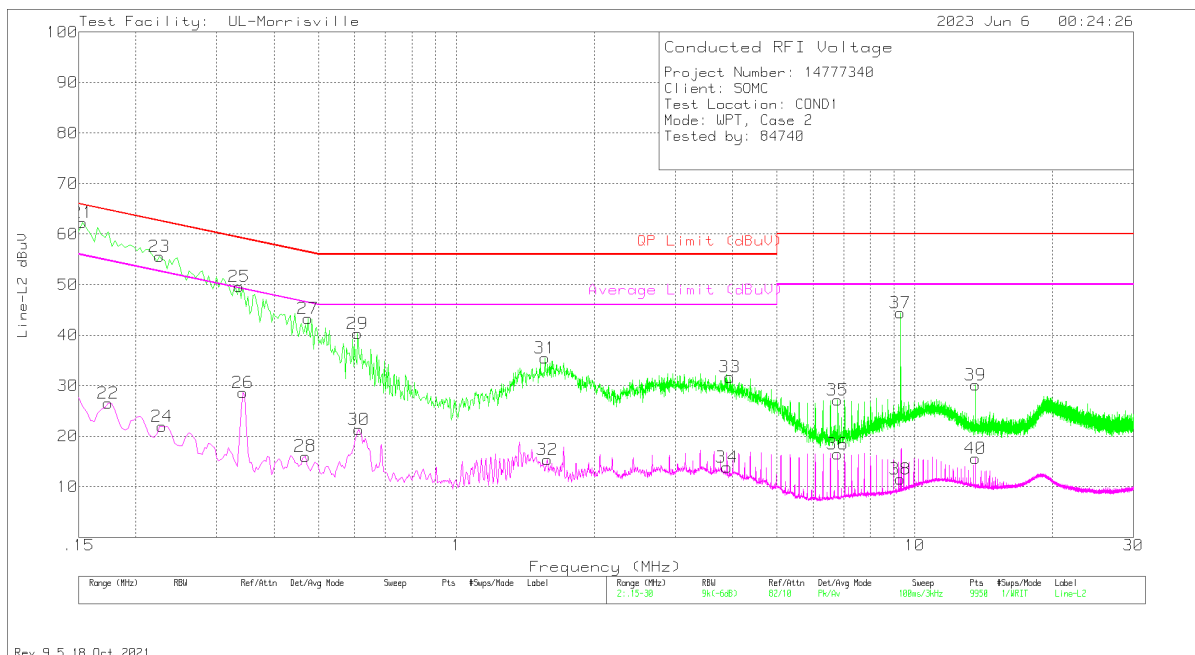
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.17261	39.29	Qp	.2	9.8	49.29	64.83	-15.54	-	-
2	.165	17.68	Av	.2	9.8	27.68	-	-	55.21	-27.53
3	.222	45.42	Pk	.1	9.8	55.32	62.74	-7.42	-	-
4	.222	12.46	Av	.1	9.8	22.36	-	-	52.74	-30.38
5	.306	39.84	Pk	.1	9.8	49.74	60.08	-10.34	-	-
6	.342	8.09	Av	.1	9.8	17.99	-	-	49.15	-31.16
7	.456	34.8	Pk	0	9.8	44.6	56.77	-12.17	-	-
8	.444	6.74	Av	0	9.8	16.54	-	-	46.99	-30.45
9	.636	26.06	Pk	0	9.8	35.86	56	-20.14	-	-
10	.606	11.76	Av	0	9.8	21.56	-	-	46	-24.44
11	1.371	23.73	Pk	0	9.8	33.53	56	-22.47	-	-
12	1.371	13.4	Av	0	9.8	23.2	-	-	46	-22.8
13	3.51193	17.88	Qp	0	9.8	27.68	56	-28.32	-	-
14	3.513	17.4	Av	0	9.8	27.2	-	-	46	-18.8
15	6.366	17.77	Pk	0	9.9	27.67	60	-32.33	-	-
16	6.366	9.88	Av	0	9.9	19.78	-	-	50	-30.22
17	13.56	20.83	Pk	.1	10	30.93	60	-29.07	-	-
18	13.56	7.35	Av	.1	10	17.45	-	-	50	-32.55
19	29.058	37.62	Pk	.3	10.2	48.12	60	-11.88	-	-
20	29.058	2.57	Av	.3	10.2	13.07	-	-	50	-36.93

Pk - Peak detector

Av - Average detection

Qp - Quasi-Peak detector

## LINE 2 RESULTS



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)
21	.15369	40.74	Qp	.2	9.8	50.74	65.8	-15.06	-	-
22	.174	16.52	Av	.2	9.8	26.52	-	-	54.77	-28.25
23	.225	45.7	Pk	.1	9.8	55.6	62.63	-7.03	-	-
24	.228	12.09	Av	.1	9.8	21.99	-	-	52.52	-30.53
25	.336	39.7	Pk	.1	9.8	49.6	59.3	-9.7	-	-
26	.342	18.75	Av	.1	9.8	28.65	-	-	49.15	-20.5
27	.474	33.54	Pk	0	9.8	43.34	56.44	-13.1	-	-
28	.468	6.24	Av	0	9.8	16.04	-	-	46.55	-30.51
29	.609	30.57	Pk	0	9.8	40.37	56	-15.63	-	-
30	.612	11.47	Av	0	9.8	21.27	-	-	46	-24.73
31	1.56	25.72	Pk	0	9.8	35.52	56	-20.48	-	-
32	1.578	5.57	Av	0	9.8	15.37	-	-	46	-30.63
33	3.945	21.79	Pk	0	9.9	31.69	56	-24.31	-	-
34	3.894	3.98	Av	0	9.9	13.88	-	-	46	-32.12
35	6.795	17.13	Pk	.1	9.9	27.13	60	-32.87	-	-
36	6.795	6.51	Av	.1	9.9	16.51	-	-	50	-33.49
37	9.312	34.32	Pk	.1	10	44.42	60	-15.58	-	-
38	9.312	1.36	Av	.1	10	11.46	-	-	50	-38.54
39	13.563	20.09	Pk	.1	10	30.19	60	-29.81	-	-
40	13.56	5.55	Av	.1	10	15.65	-	-	50	-34.35

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

## 10. SETUP PHOTOS

Please refer to R14777340-EP8 for setup photos

**END OF TEST REPORT**