



**FCC CFR47 PART 15 SUBPART C**

**BLUETOOTH LOW ENERGY  
C2PC CERTIFICATION TEST REPORT**

**FOR**

**WALKIE-TALKIE ACCESSORY**

**MODEL NAME: GVC200WTH**

**MODEL NUMBER: LG-VC110, LGVC110, VC110, LG-VC110B, LGVC110B, VC110B**

**FCC ID: ZNFVC110**

**REPORT NUMBER: 16I22628-E3V2**

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*Prepared for*

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**NVLAP LAB CODE 200065-0**

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Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V1	1/26/2016		D. CORONIA
V2	2/15/2016	Updated EUT Description	D. CORONIA

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# 1. ATTESTATION OF TEST RESULTS

**COMPANY NAME:** LG ELECTRONICS MOBILECOMM U.S.A., INC.  
**EUT DESCRIPTION:** WALKIE-TALKIE ACCESSORY  
**MODEL NAME:** GVC200WTH  
**MODEL #:** LG-VC110, LGVC110, VC110, LG-VC110B, LGVC110B, VC110B  
**SERIAL NUMBER:** A1000040E03DCD, A1000040E03DCA, A1000040E03DC9  
**DATE TESTED:** JANUARY 12-15, 2016

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart C	Pass

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

**Note:** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revision section. Any alteration of this document not carried out by UL Verification Services Inc. 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 NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

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## 2. TEST METHODOLOGY

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

## 3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, Fremont, California, USA. Line conducted emissions are measured only at the 47173 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

47173 Benicia Street	47266 Benicia Street
<input type="checkbox"/> Chamber A	<input type="checkbox"/> Chamber D
<input checked="" type="checkbox"/> Chamber B	<input type="checkbox"/> Chamber E
<input type="checkbox"/> Chamber C	<input type="checkbox"/> Chamber F
	<input type="checkbox"/> Chamber G
	<input type="checkbox"/> Chamber H

The above test sites and facilities are covered under FCC Test Firm Registration # 208313.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0.

Chambers A through H are covered under Industry Canada company address code 2324B with site numbers 2324B -1 through 2324B-8, respectively.

## 4. CALIBRATION AND UNCERTAINTY

### 4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

### 4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \text{Cable} \\ &\text{Loss (dB)} - \text{Preamp Gain (dB)} \\ 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} &= 28.9 \text{ dBuV/m} \end{aligned}$$

### 4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Radiated Disturbance, 9KHz to 30 MHz	2.14 dB
Radiated Disturbance, 30 to 1000 MHz	4.98 dB
Radiated Disturbance, 1000 to 6000 MHz	3.86 dB
Radiated Disturbance, 6000 to 18000 MHz	4.23 dB
Radiated Disturbance, 18000 to 26000 MHz	5.30 dB
Radiated Disturbance, 26000 to 40000 MHz	5.23 dB

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

## **5. EQUIPMENT UNDER TEST**

### **5.1. DESCRIPTION OF EUT**

The EUT is a WALKIE-TALKIE ACCESSORY.

### **5.2. MAXIMUM OUTPUT POWER**

See original report for detail.

### **5.3. DESCRIPTION OF AVAILABLE ANTENNAS**

The radio utilizes an LMA antenna, with a maximum gain of -0.14 dBi.

### **5.4. WORST-CASE CONFIGURATION AND MODE**

Radiated emission and power line conducted emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

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

## 5.5. DESCRIPTION OF TEST SETUP

### SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adapter	LG	DC1507	EAD62377906	N/A
Laptop	LENOVO	2349CW5	PBB4M4Y	N/A
Laptop AC Adapter	LENOVO	ADLX65NCT2A	36200293	N/A

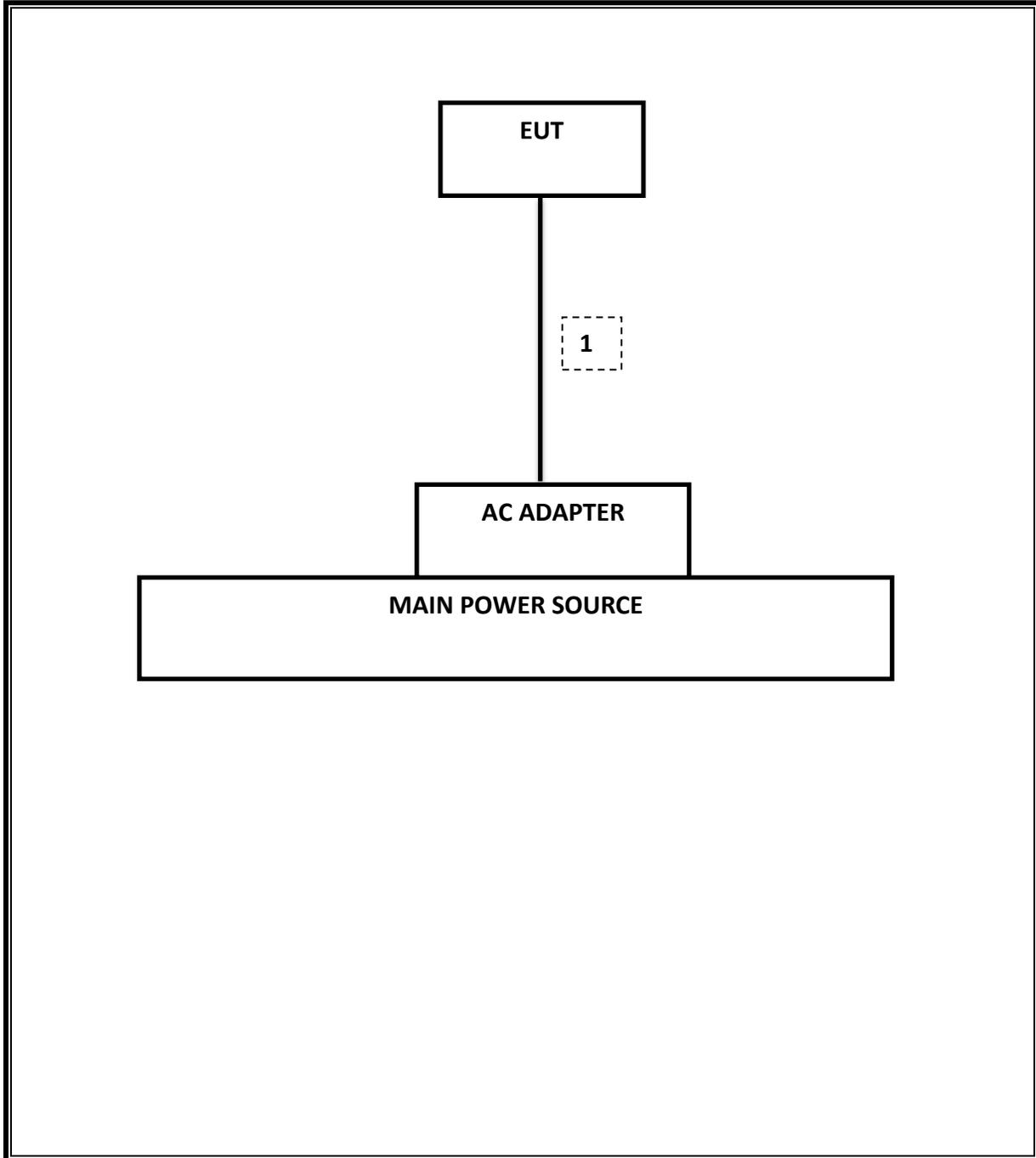
### I/O CABLES

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC Power	1	Mini-USB	Shielded	1.2m	N/A

### TEST SETUP

EUT was set in the Hidden menu mode to enable BLE communications.

**SETUP DIAGRAM FOR TESTS**



## 6. TEST AND MEASUREMENT EQUIPMENT

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

Test Equipment List				
Description	Manufacturer	Model	T Number	Cal Due
Antenna, Biconolog, 30MHz-1 GHz	Sunol Sciences	JB1	130	09/01/16
Antenna, Horn, 18GHz	ETS Lindgren	3117	345	03/03/16
Antenna, Horn, 26.5 GHz	ARA	MWH-1826/B	447	05/12/16
RF Preamplifier, 1GHz - 18GHz	Miteq	NSP4000-SP2	88	04/07/16
RF Preamplifier, 1GHz - 26.5GHz	HP	8449B	404	06/29/16
Amplifier, 10KHz to 1 GHz	Keysight	8447D	15	08/14/16
Spectrum Analyzer, PXA, 3 Hz to 44 GHz	Keysight	N9030A	907	01/06/17
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	417	05/04/16
High Pass Filter 6GHz	Micro-Tronics	HPS17542	893	04/25/16
High Pass Filter 3GHz	Micro-Tronics	HPS17543	898	04/25/16

Test Software List			
Description	Manufacturer	Model	Version
Radiated Software	UL	UL EMC	Version 9.5, June 24, 2015

## 7. SUMMARY TABLE

2PC Reason: Please see LG-VC110 FCC Class II change description for details.

FCC Part Section	RSS Section(s)	Test Description	Test Limit	Test Condition	Test Result
15.247 (a)(2)	RSS-247 5.2.1	Occupied Bandwidth (6dB)	>500KHz	Conducted	See Original
2.1051, 15.247 (d)	RSS-247 5.5	Band Edge / Conducted Spurious Emission	-20dBc		See Original
15.247	RSS-247 5.4.4	TX conducted output power	<30dBm		See Original
15.247	RSS-247 5.2.2	PSD	<8dBm		See Original
15.207 (a)	RSS-GEN 8.8	AC Power Line conducted emissions	Section 10	Radiated	See Original
15.205, 15.209	RSS-GEN 8.9/7	Radiated Spurious Emission	< 54dBuV/m		Pass



## 9. RADIATED TEST RESULTS

### LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

### TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1GHz and 150cm for above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

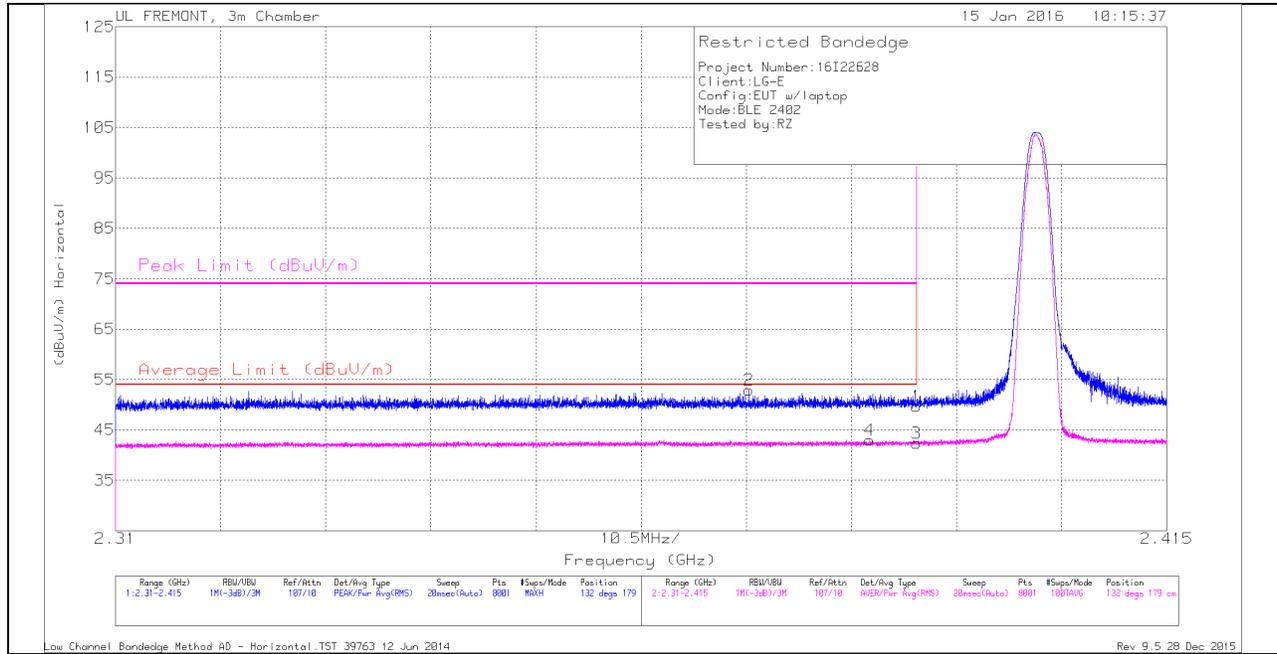
For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 1 MHz for peak measurements and add duty cycle factor for average measurements. Duty cycle factor =  $10 \log(1/x)$ . For example: DCF =  $10 \log(1/0.62) = 2.07 \text{dB}$

The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

## 9.1. TRANSMITTER ABOVE 1 GHz RESTRICTED BANDEDGE (LOW CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



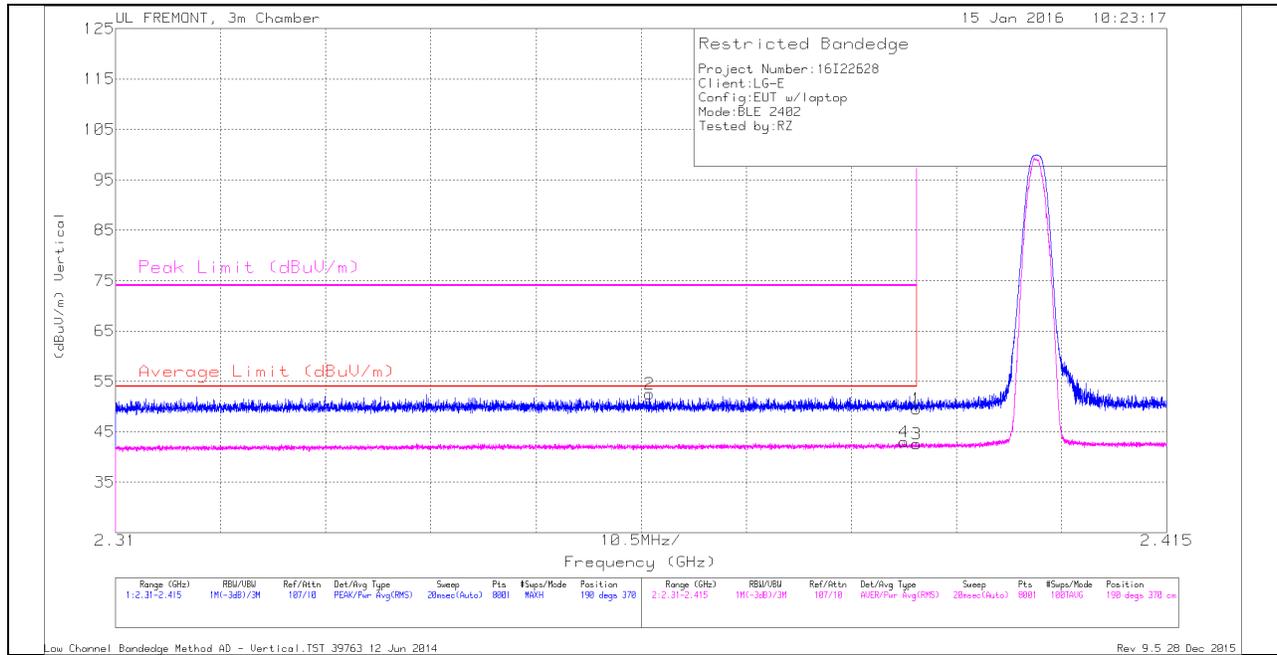
### HORIZONTAL DATA

#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2.373	43.35	Pk	31.9	-22.3	0	52.95	-	-	74	-21.05	132	179	H
4	2.385	31.09	RMS	32	-22.2	2.07	42.96	54	-11.04	-	-	132	179	H
1	2.39	39.85	Pk	32	-22.2	0	49.65	-	-	74	-24.35	132	179	H
3	2.39	30.42	RMS	32	-22.2	2.07	42.29	54	-11.71	-	-	132	179	H

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
2	2.363	42.92	Pk	31.9	-22.3	0	52.52	-	-	74	-21.48	190	370	V
4	2.389	31.05	RMS	32	-22.2	2.07	42.92	54	-11.08	-	-	190	370	V
1	2.39	39.69	Pk	32	-22.2	0	49.49	-	-	74	-24.51	190	370	V
3	2.39	30.7	RMS	32	-22.2	2.07	42.57	54	-11.43	-	-	190	370	V

Pk - Peak detector

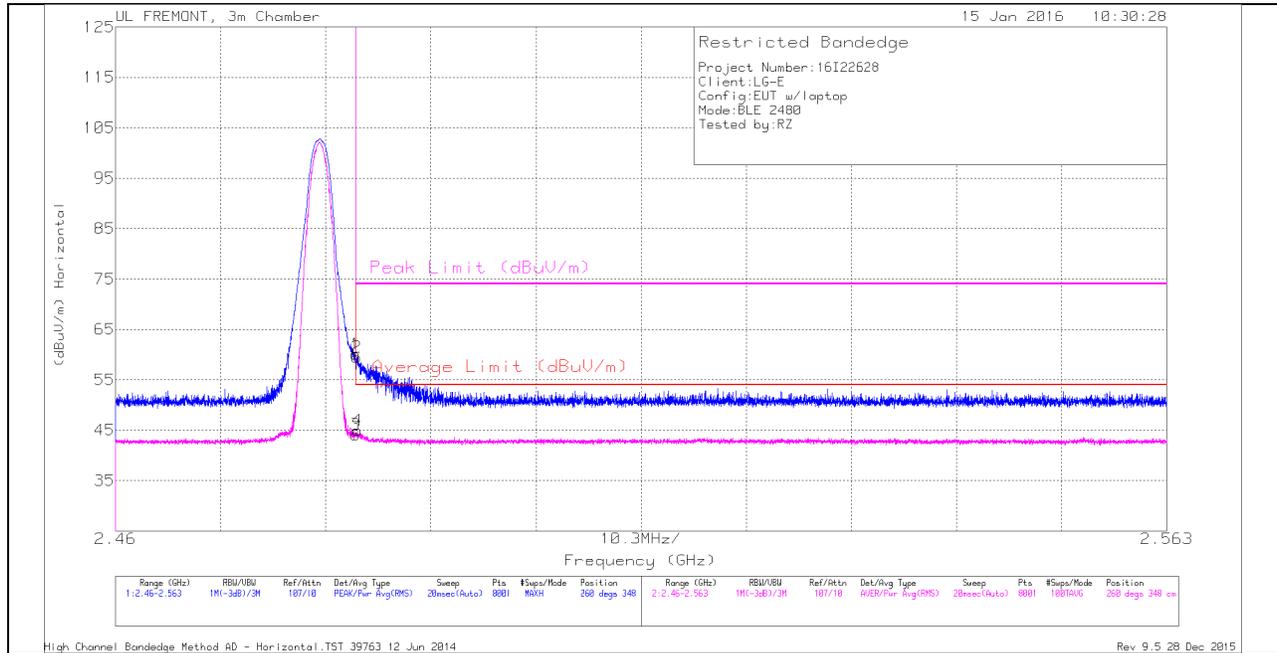
RMS - RMS detection

Low Channel Bandedge Method AD - Vertical.TST 39763 12 Jun 2014

Rev 9.5 28 Dec 2015

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



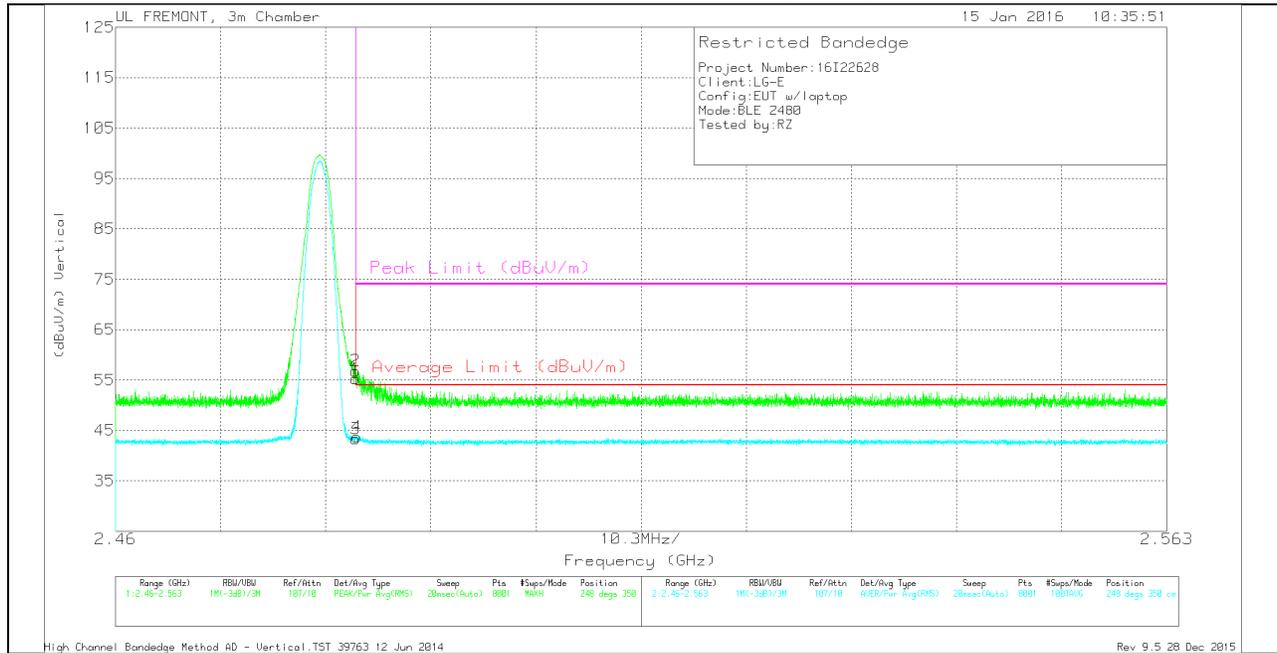
**HORIZONTAL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Plr/Psd (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.484	49.83	PK	32.3	-22	0	60.13	-	-	74	-13.87	260	348	H
2	2.484	49.16	PK	32.3	-22	0	59.46	-	-	74	-14.54	260	348	H
3	2.484	31.72	RMS	32.3	-22	2.07	44.09	54	-9.91	-	-	260	348	H
4	2.484	32.56	RMS	32.3	-22	2.07	44.93	54	-9.07	-	-	260	348	H

Pk - Peak detector  
 RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

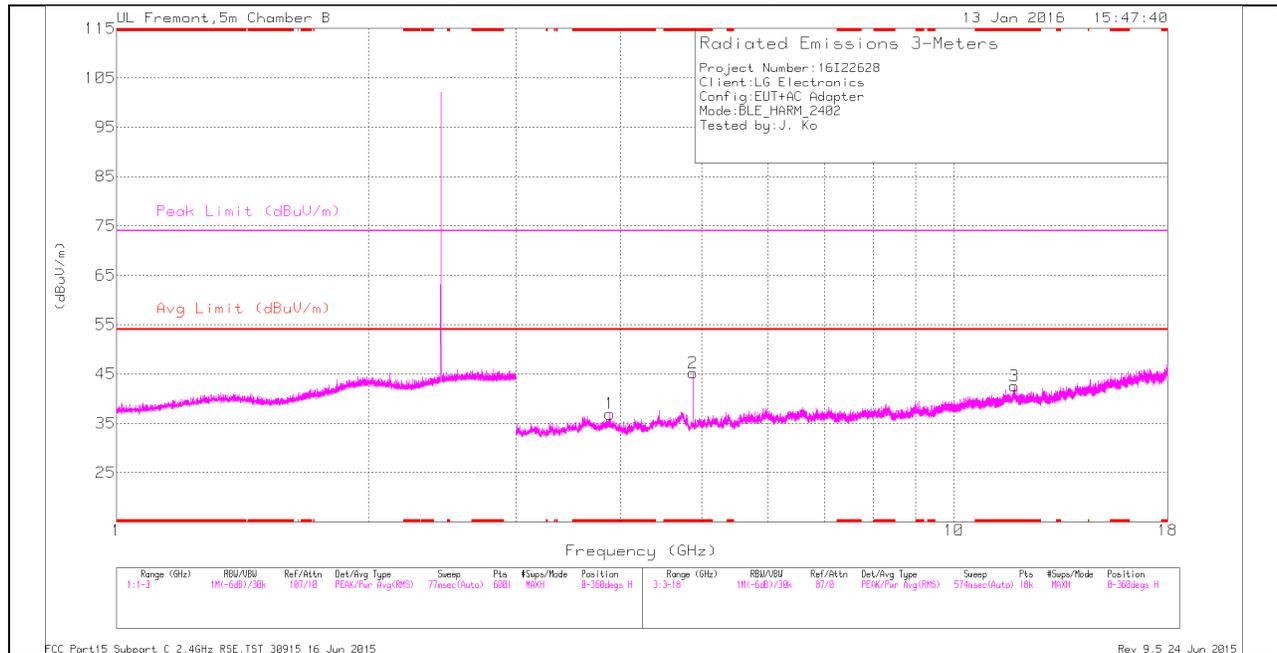
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF1119 (dB/m)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.484	44.97	Pk	32.3	-22	0	55.27	-	-	74	-18.73	248	350	V
2	2.484	46.51	Pk	32.3	-22	0	56.81	-	-	74	-17.19	248	350	V
3	2.484	30.96	RMS	32.3	-22	2.07	43.33	54	-10.67	-	-	248	350	V
4	2.484	31.39	RMS	32.3	-22	2.07	43.76	54	-10.24	-	-	248	350	V

Pk - Peak detector  
 RMS - RMS detection

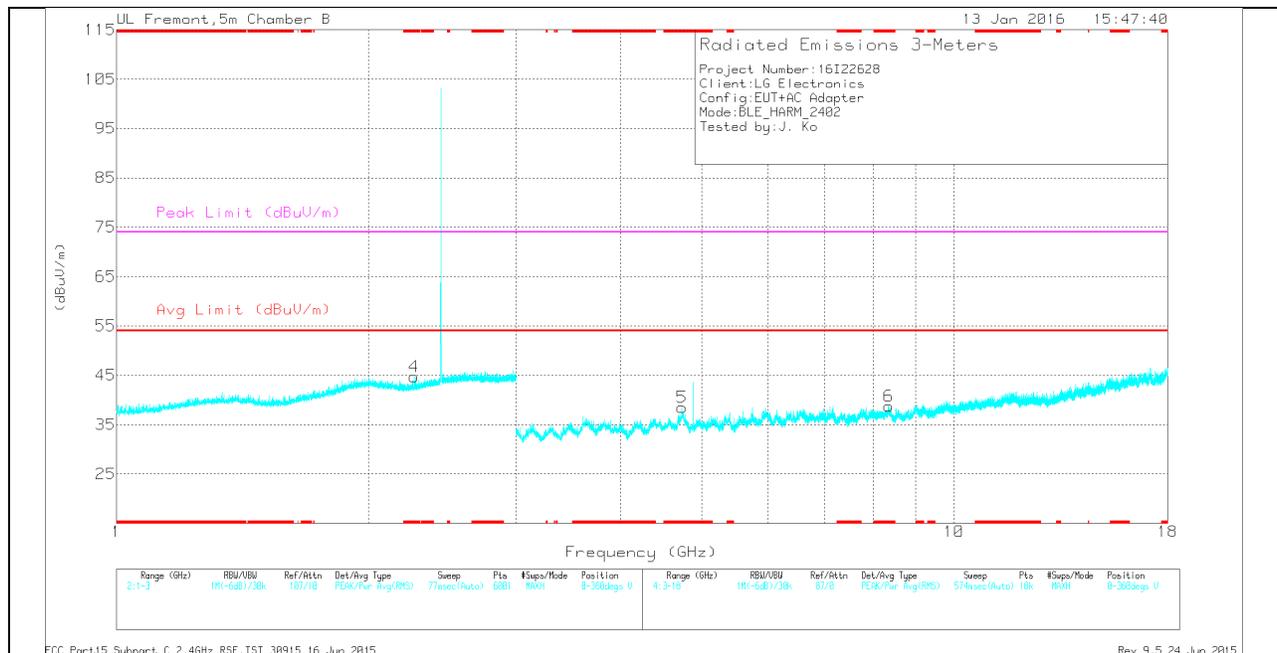
**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL HORIZONTAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**LOW CHANNEL VERTICAL**



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**LOW CHANNEL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.268	37.61	Pk	31.4	-24.3	0	44.71	-	-	74	-29.29	0-360	101	V
1	* 3.885	34.91	Pk	33.5	-31.5	0	36.91	-	-	74	-37.09	0-360	199	H
2	* 4.881	43.51	Pk	34.2	-32.5	0	45.21	-	-	74	-28.79	0-360	101	H
3	* 11.808	28.08	Pk	38.6	-24.1	0	42.58	-	-	74	-31.42	0-360	199	H
5	* 4.735	34.86	Pk	34.3	-30.7	0	38.46	-	-	74	-35.54	0-360	101	V
6	* 8.356	30.34	Pk	35.7	-27.3	0	38.74	-	-	74	-35.26	0-360	199	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

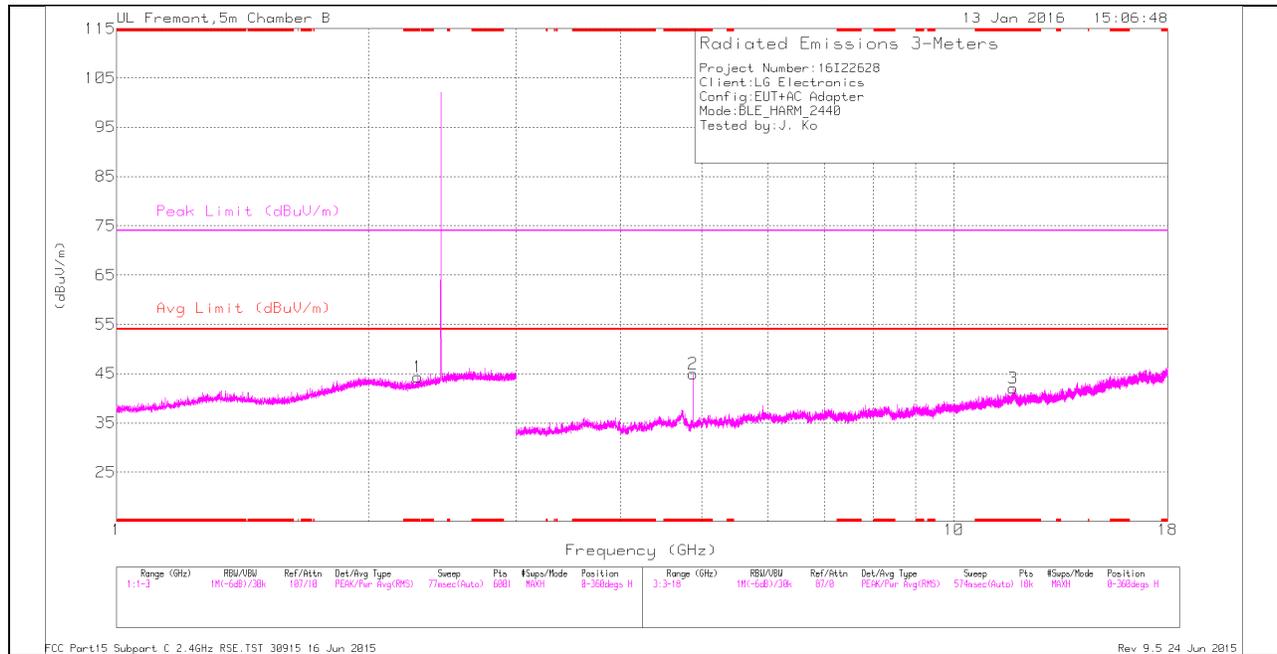
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.266	44.16	PK2	31.4	-24.3	0	51.26	-	-	74	-22.74	1	101	V
* 2.269	32.53	MAv1	31.4	-24.3	2.07	41.7	54	-12.3	-	-	1	101	V
* 3.886	42.11	PK2	33.5	-31.5	0	44.11	-	-	74	-29.89	61	240	H
* 3.887	30.83	MAv1	33.5	-31.5	2.07	34.9	54	-19.1	-	-	61	240	H
* 4.881	46.96	PK2	34.2	-32.5	0	48.66	-	-	74	-25.34	222	120	H
* 4.88	40.12	MAv1	34.2	-32.5	2.07	43.89	54	-10.11	-	-	222	120	H
* 11.807	35.13	PK2	38.6	-24.1	0	49.63	-	-	74	-24.37	298	211	H
* 11.808	23.83	MAv1	38.6	-24.1	2.07	40.4	54	-13.6	-	-	298	211	H
* 4.735	42.32	PK2	34.3	-30.7	0	45.92	-	-	74	-28.08	333	121	V
* 4.733	30.75	MAv1	34.3	-30.7	2.07	36.42	54	-17.58	-	-	333	121	V
* 8.355	37.77	PK2	35.7	-27.2	0	46.27	-	-	74	-27.73	265	198	V
* 8.355	26.95	MAv1	35.7	-27.2	2.07	37.52	54	-16.48	-	-	265	198	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

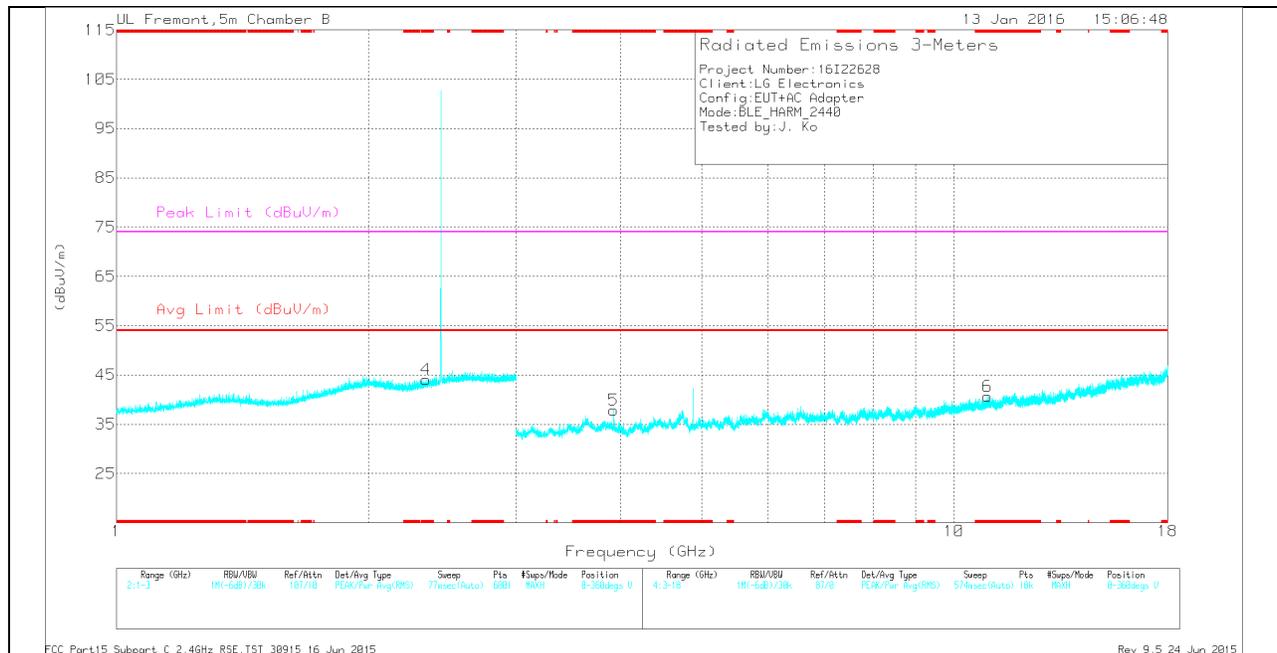
MAv1 - KDB558074 Option 1 Maximum RMS Average

### MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**MID CHANNEL DATA**  
 Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.29	37.15	Pk	31.5	-24.3	0	44.35	-	-	74	-29.65	0-360	101	H
4	* 2.343	36.52	Pk	31.8	-24.2	0	44.12	-	-	74	-29.88	0-360	101	V
2	* 4.881	43.3	Pk	34.2	-32.5	0	45	-	-	74	-29	0-360	101	H
3	* 11.77	27.8	Pk	38.6	-24.4	0	42	-	-	74	-32	0-360	199	H
5	* 3.92	36.32	Pk	33.5	-32	0	37.82	-	-	74	-36.18	0-360	101	V
6	* 10.96	27.8	Pk	37.7	-24.8	0	40.7	-	-	74	-33.3	0-360	199	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

Pk - Peak detector

**Radiated Emissions**

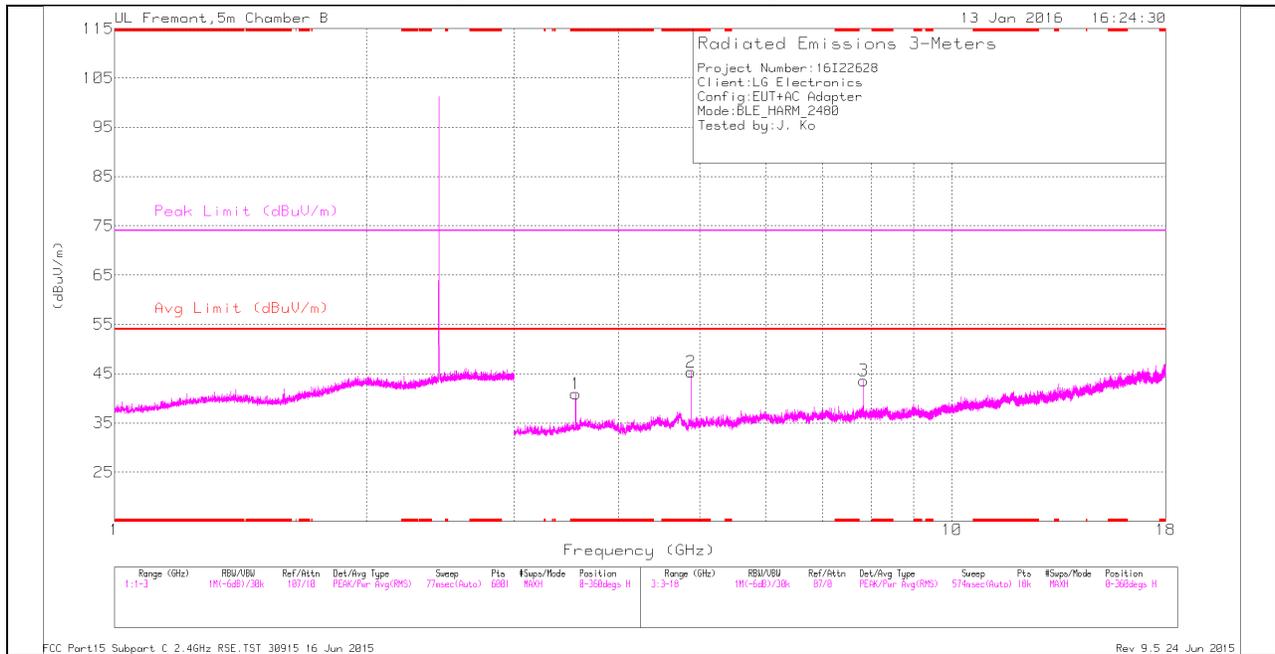
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.291	44.55	PK2	31.5	-24.3	0	51.75	-	-	74	-22.25	1	101	H
* 2.291	32.56	MAv1	31.5	-24.3	2.07	41.83	54	-12.17	-	-	1	101	H
* 2.342	44.27	PK2	31.8	-24.2	0	51.87	-	-	74	-22.13	154	197	V
* 2.342	32.48	MAv1	31.8	-24.2	2.07	42.15	54	-11.85	-	-	154	197	V
* 2.341	44.04	PK2	31.8	-24.2	0	51.64	-	-	74	-22.36	154	197	V
* 2.342	32.42	MAv1	31.8	-24.2	2.07	42.09	54	-11.91	-	-	154	197	V
* 4.879	47.82	PK2	34.2	-32.5	0	49.52	-	-	74	-24.48	213	129	H
* 4.88	40.32	MAv1	34.2	-32.5	2.07	44.09	54	-9.91	-	-	213	129	H
* 11.771	35.05	PK2	38.6	-24.4	0	49.25	-	-	74	-24.75	333	258	H
* 11.771	23.69	MAv1	38.6	-24.4	2.07	39.96	54	-14.04	-	-	333	258	H
* 3.919	42.03	PK2	33.5	-32	0	43.53	-	-	74	-30.47	285	123	V
* 3.92	31.28	MAv1	33.5	-32	2.07	34.85	54	-19.15	-	-	285	123	V
* 10.962	35.56	PK2	37.7	-24.8	0	48.46	-	-	74	-25.54	85	225	V
* 10.959	24.2	MAv1	37.7	-24.8	2.07	39.17	54	-14.83	-	-	85	225	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

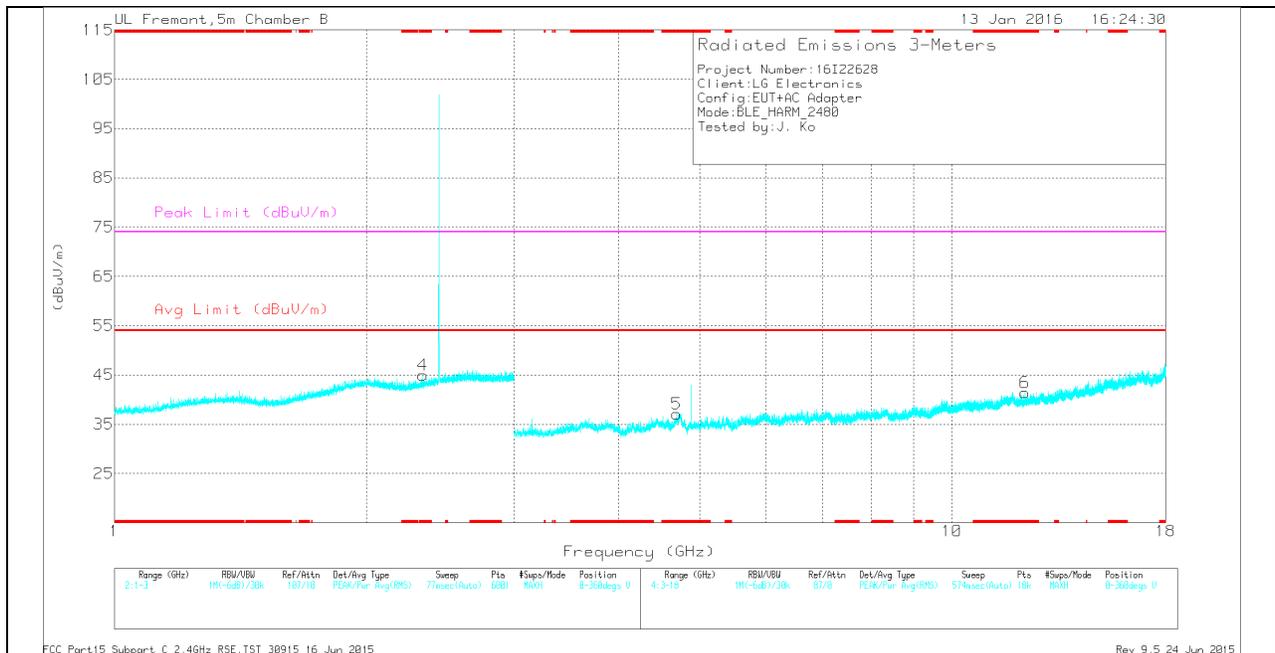
MAv1 - KDB558074 Option 1 Maximum RMS Average

### HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

### HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**HIGH CHANNEL DATA**  
 Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Filtr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.336	37.51	Pk	31.7	-24.2	0	45.01	-	-	74	-28.99	0-360	199	V
1	* 3.553	40.18	Pk	33.7	-33	0	40.88	-	-	74	-33.12	0-360	101	H
2	* 4.88	43.67	Pk	34.2	-32.5	0	45.37	-	-	74	-28.63	0-360	101	H
5	* 4.692	34.6	Pk	34.2	-31.7	0	37.1	-	-	74	-36.9	0-360	101	V
6	* 12.219	27.6	Pk	38.6	-24.8	0	41.4	-	-	74	-32.6	0-360	101	V
3	7.84	37.23	Pk	35.6	-29.2	0	43.63	-	-	-	-	0-360	101	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

Pk - Peak detector

**Radiated Emissions**

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Filtr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.334	44.08	PK2	31.7	-24.2	0	51.58	-	-	74	-22.42	360	199	V
* 2.335	32.43	MAv1	31.7	-24.2	2.07	42	54	-12	-	-	360	199	V
* 3.553	43.57	PK2	33.7	-33	0	44.27	-	-	74	-29.73	298	324	H
* 3.554	30.17	MAv1	33.7	-33	2.07	32.94	54	-21.06	-	-	298	324	H
* 4.881	47.95	PK2	34.2	-32.5	0	49.65	-	-	74	-24.35	220	122	H
* 4.88	41.29	MAv1	34.2	-32.5	2.07	45.06	54	-8.94	-	-	220	122	H
* 4.691	42.45	PK2	34.2	-31.7	0	44.95	-	-	74	-29.05	85	132	V
* 4.693	31.31	MAv1	34.2	-31.7	2.07	35.88	54	-18.12	-	-	85	132	V
* 12.218	34.36	PK2	38.6	-24.8	0	48.16	-	-	74	-25.84	136	256	V
* 12.219	23.72	MAv1	38.6	-24.8	2.07	39.59	54	-14.41	-	-	136	256	V
7.838	39.4	PK2	35.6	-29.2	0	45.8	-	-	-	-	4	322	H
7.841	27.62	MAv1	35.6	-29.2	2.07	36.09	54	-17.91	-	-	4	322	H

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

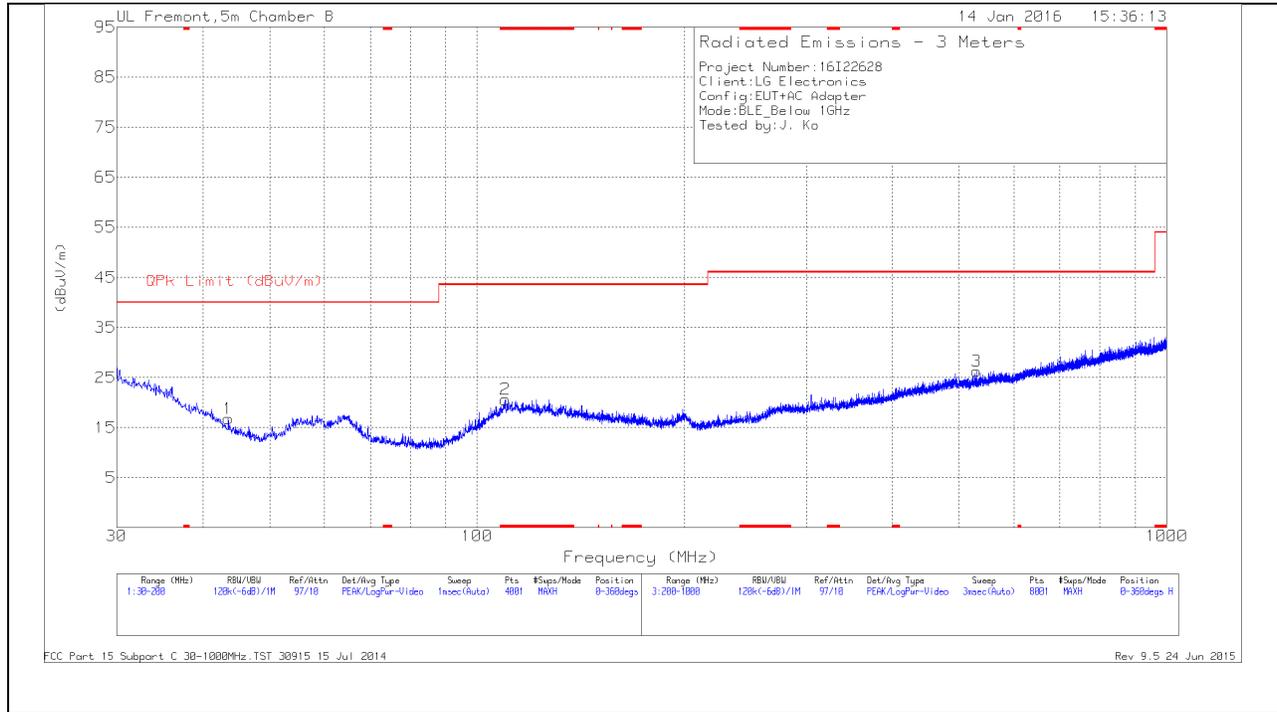
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

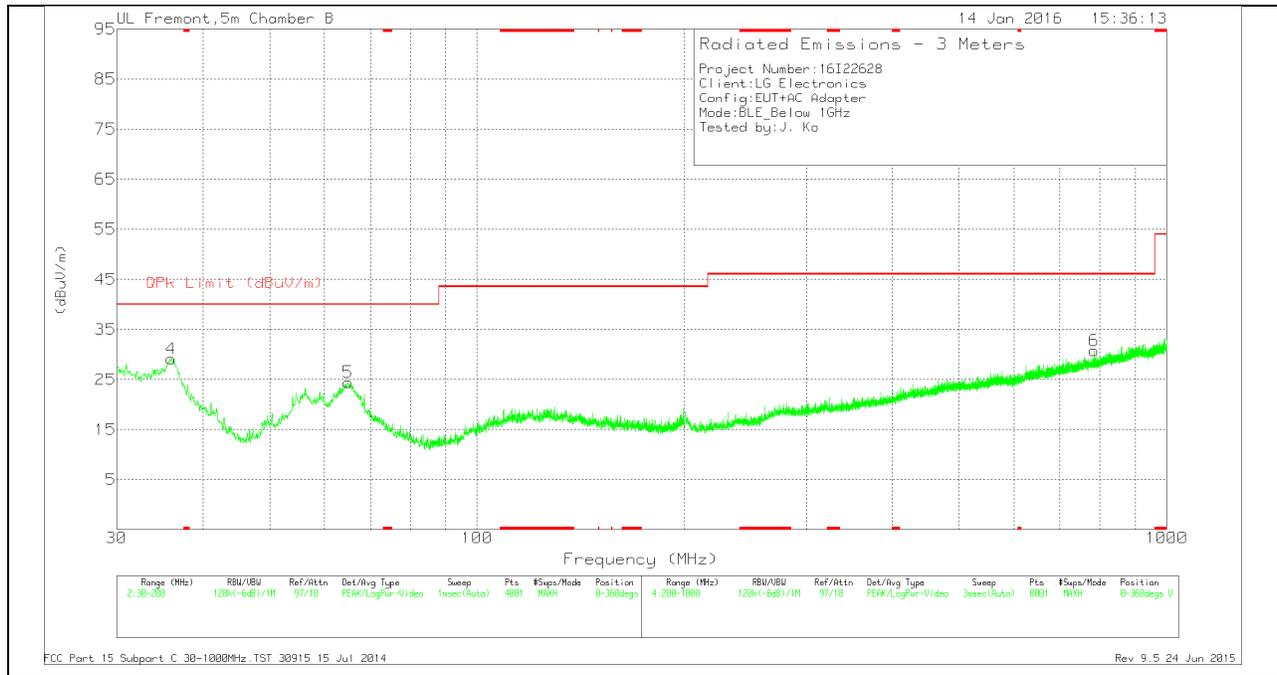
## 9.2. WORST-CASE BELOW 1 GHz

### SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)

#### HORIZONTAL PLOT



### VERTICAL PLOT



### BELOW 1 GHz TABLE

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T130 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 109.8575	32.1	Pk	16.6	-28.1	20.6	43.52	-22.92	0-360	299	H
4	35.9925	36.92	Pk	21	-28.8	29.12	40	-10.88	0-360	101	V
1	43.5575	30.28	Pk	15.2	-28.7	16.78	40	-23.22	0-360	100	H
5	64.935	41.02	Pk	11.9	-28.5	24.42	40	-15.58	0-360	101	V
3	530.1	30.57	Pk	21.9	-26.2	26.27	46.02	-19.75	0-360	399	H
6	784.7	30.46	Pk	25	-24.7	30.76	46.02	-15.26	0-360	199	V

\* - indicates frequency in CFR15.205/IC8.10 Restricted Band

Pk - Peak detector