FCC CFR47 PART 15 SUBPART C
INDUSTRY CANADA RSS-210 ISSUE 8

BLUETOOTH LOW ENERGY
C2PC CERTIFICATION TEST REPORT

FOR

GSM/CDMA/WCDMA/LTE Phone + Bluetooth, DTS/UNII a/b/g/n/ac and NFC

MODEL NUMBER: LG-VS985, VS985, LGVS985, AS985, LG-AS985 & LGAS985

FCC ID: ZNFVS985
IC: 2703C-VS985

REPORT NUMBER: 14U17777-3

ISSUE DATE: MAY 20, 2014

Prepared for
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NVLAP LAB CODE 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
--	5/20/14	Initial Issue	P. Zhang

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME:	**LG ELECTRONICS MOBILECOMM U.S.A., INC.**
EUT DESCRIPTION:	**GSM/CDMA/WCDMA/LTE Phone + Bluetooth, DTS/UNII a/b/g/n/ac and NFC.**
MODEL:	**LG-VS985, VS985, LGVS985, AS985, LG-AS985 & LGAS985**
SERIAL NUMBER:	**1873283 (Radiated)**
DATE TESTED:	**MAY 13 – MAY 20, 2014**

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 Part 15 Subpart C	Pass
INDUSTRY CANADA RSS-210 Issue 8 Annex 8	Pass
INDUSTRY CANADA RSS-GEN Issue 3	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 revisions 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 C63.4-2009, FCC CFR 47 Part 2, FCC CFR 47 Part 15, RSS-210 ISSUE 8 and RSS-GEN Issue 3

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 Benicia Street, Fremont, California, USA.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at http://www.ccsemc.com.

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:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)
36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	3.52 dB
Radiated Disturbance, 30 to 18000 MHz	4.94 dB

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

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/CDMA/WCDMA/LTE Phone + Bluetooth, DTS/UNII a/b/g/n/ac and NFC.

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum peak conducted output power as follows:

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
2402-2480	BLE	3.18	2.08

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an FPCB antenna, with a maximum gain of -1.74dBi.

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	MCS-04WT2	TA350000050	N/A
Earphone	LG	N/A	N/A	N/A
Smart Cover	LG	N/A	N/A	N/A

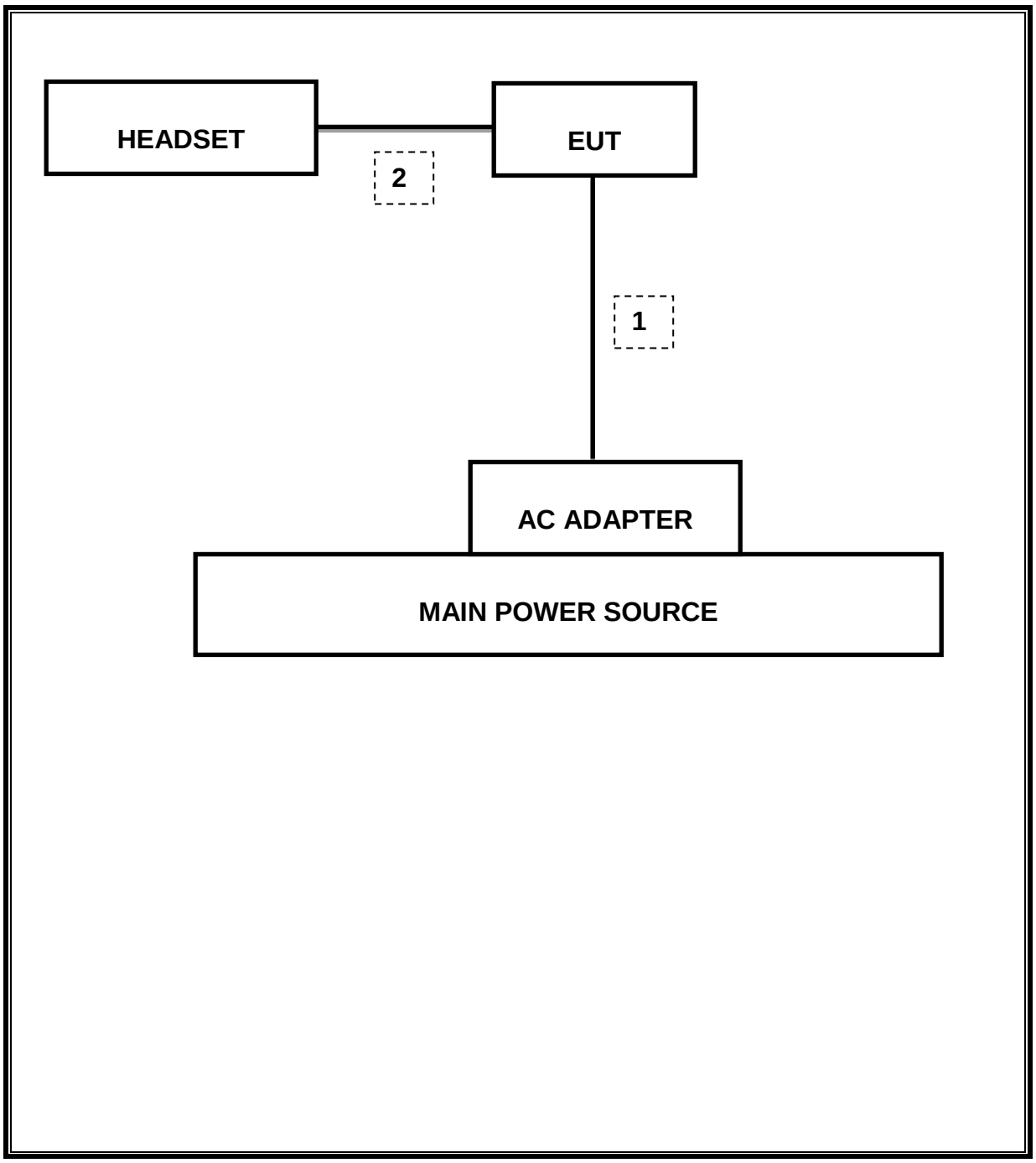
I/O CABLES

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
2	Audio	1	Mini-Jack	Unshielded	1m	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**	**Asset**	**Cal Due**
Spectrum Analyzer, 44 GHz	Agilent / HP	E4446A	C00986	4/1/2015
Spectrum Analyzer, 26.5 GHz	Agilent / HP	E4440A	C01179	2/26/2015
EMI Test Receiver, 30 MHz	R & S	ESHS 20	N02396	8/8/2014
Preamplifier, 1300 MHz	Agilent / HP	8447D	C00580	5/8/2015
Preamplifier, 26.5 GHz	Agilent / HP	8449B	C01063	10/22/2014
Antenna, Bilog, 30MHz-1 GHz	Sunol Sciences	JB1	N/A	3/6/2015
Antenna, Horn, 18 GHz	ETS	3117	C01022	2/21/2015
Antenna, Horn, 26.5 GHz	ARA	MWH-1826/B	C00589	12/17/2014
Peak Power Meter	Agilent / HP	E4416A	C00963	12/13/2014
Peak / Average Power Sensor	Agilent / HP	E9327A	C00964	12/13/2014
LISN, 30 MHz	FCC	50/250-25-2	C00626	1/14/2015

7. SUMMARY

FCC Part Section	RSS Section(s)	Test Description	Test Limit	Test Condition	Test Result	Worst Case
15.247 (a)(2)	RSS-210 A8.2(a)	Occupied Band width (6dB)	>500KHz	Conducted	Pass	see original
2.1051, 15.247 (d)	RSS-210 A8.5	Band Edge / Conducted Spurious Emission	-20dBc		Pass	see original
15.247	RSS-210 A8.4	TX conducted output power	<30dBm		Pass	see original
15.247	RSS-210 A8.2	PSD	<8dBm		Pass	see original
15.207 (a)	RSS-GEN 7.2.2	AC Power Line conducted emissions	Section 10	Radiated	Pass	see original
15.205, 15.209	RSS-210 Clause 2.6, RSS-210 Clause 6	Radiated Spurious Emission	< 54dBuV/m		Pass	43.01 dBuV/m

8. RADIATED TEST RESULTS

8.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

IC RSS-210 Clause 2.6 (Transmitter)

IC RSS-GEN Clause 6 (Receiver)

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. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.4 - 2009. 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.

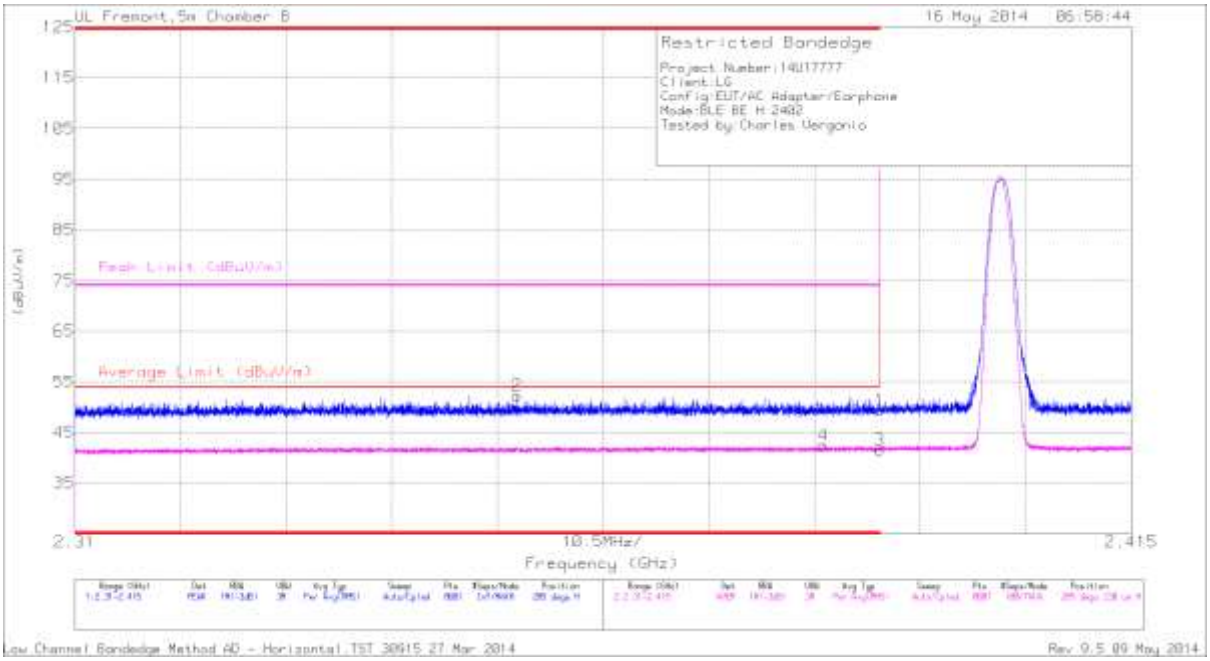
For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 1 MHz for peak measurements and add duty cycle factor for average measurements. Duty cycle factor = 10 log (1/x). For this sample: DCF = 10log(1/x)=2dB

The spectrum from 30MHz 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.

8.2. TRANSMITTER ABOVE 1 GHz

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



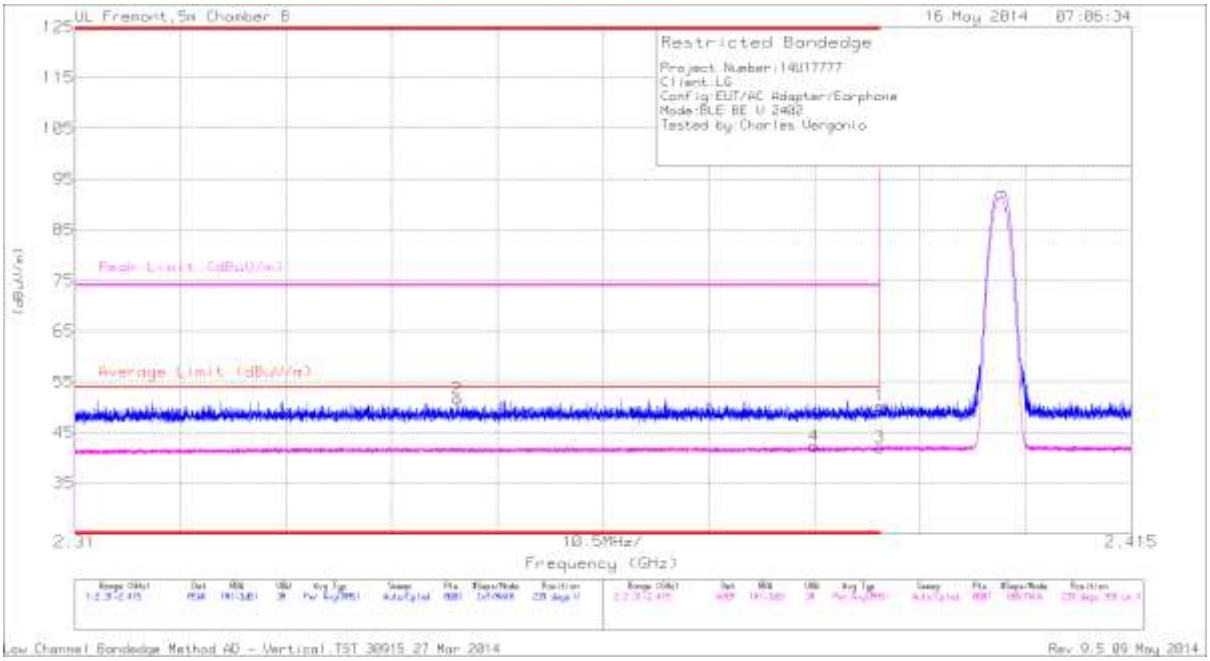
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.14	PK	32.1	-22.8	0	49.44	-	-	74	-24.56	285	230	H
2	* 2.354	43.33	PK	31.9	-22.9	0	52.33	-	-	74	-21.67	285	230	H
3	* 2.39	30.31	RMS	32.1	-22.8	2	41.61	54	-12.39	-	-	285	230	H
4	* 2.384	31.29	RMS	32.1	-22.9	2	42.49	54	-11.51	-	-	285	230	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



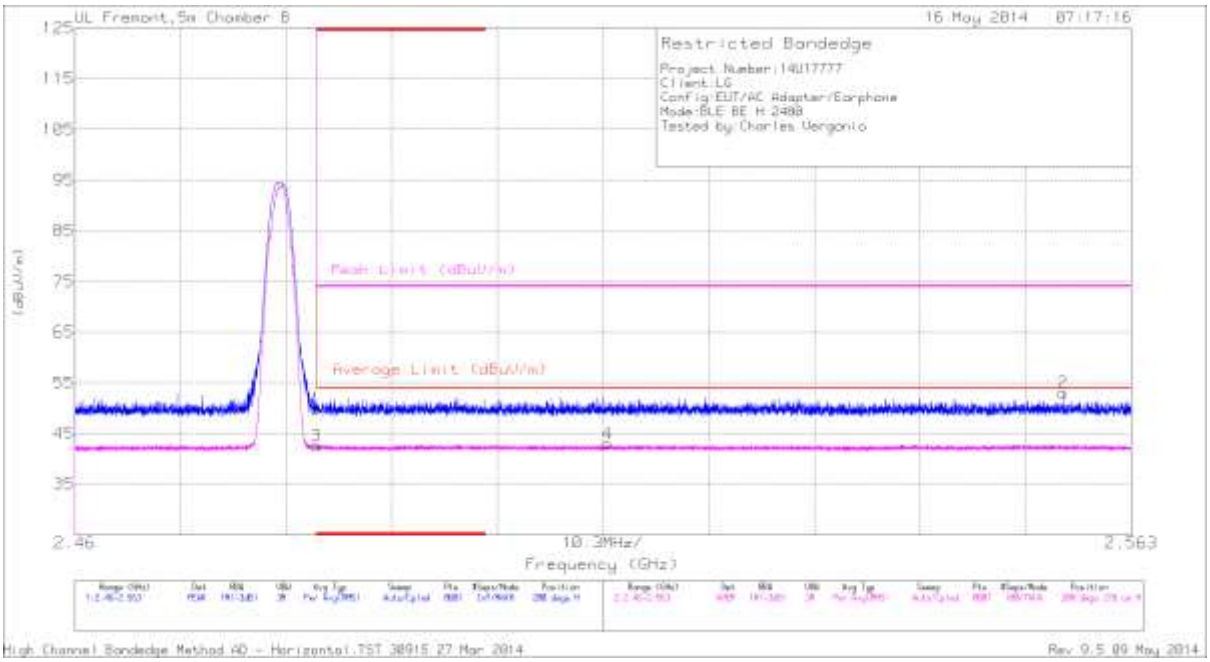
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.93	PK	32.1	-22.8	0	50.23	-	-	74	-23.77	239	359	V
2	* 2.348	42.67	PK	31.9	-22.9	0	51.67	-	-	74	-22.33	239	359	V
3	* 2.39	30.82	RMS	32.1	-22.8	2	42.12	54	-11.88	-	-	239	359	V
4	* 2.384	31.1	RMS	32.1	-22.9	2	42.3	54	-11.7	-	-	239	359	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



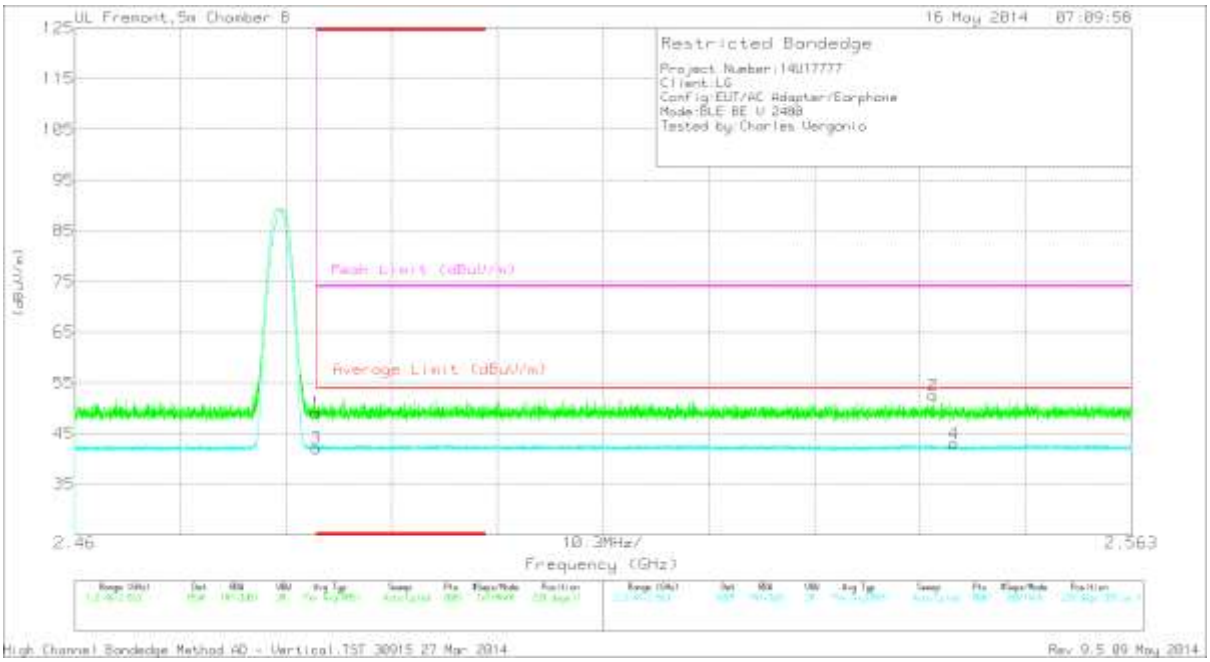
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.27	PK	32.4	-22.7	0	49.97	-	-	74	-24.03	280	276	H
3	* 2.484	30.93	RMS	32.4	-22.7	2	42.63	54	-11.37	-	-	280	276	H
4	2.512	31.14	RMS	32.5	-22.7	2	42.94	54	-11.06	-	-	280	276	H
2	2.556	43.15	PK	32.5	-22.6	0	53.05	-	-	74	-20.95	280	276	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Flt r/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	39.39	PK	32.4	-22.7	0	49.09	-	-	74	-24.91	239	359	V
3	* 2.484	30.36	RMS	32.4	-22.7	2	42.06	54	-11.94	-	-	239	359	V
2	2.544	42.59	PK	32.5	-22.6	0	52.49	-	-	74	-21.51	239	359	V
4	2.546	31.11	RMS	32.5	-22.6	2	43.01	54	-10.99	-	-	239	359	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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.

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/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.627	31.42	PK	33.2	-31	33.62	-	-	74	-40.38	0-360	99	H
2	* 4.027	31.81	PK	33.6	-31.1	34.31	-	-	74	-39.69	0-360	99	H
3	* 4.689	30.87	PK	34.2	-29.9	35.17	-	-	74	-38.83	0-360	99	H
4	* 5.096	29.6	PK	34.2	-28.5	35.3	-	-	74	-38.7	0-360	202	V
5	* 7.518	28.61	PK	35.6	-26.7	37.51	-	-	74	-36.49	0-360	99	V
6	8.007	28.62	PK	35.7	-26.3	38.02	-	-	-	-	0-360	99	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Radiated Emissions

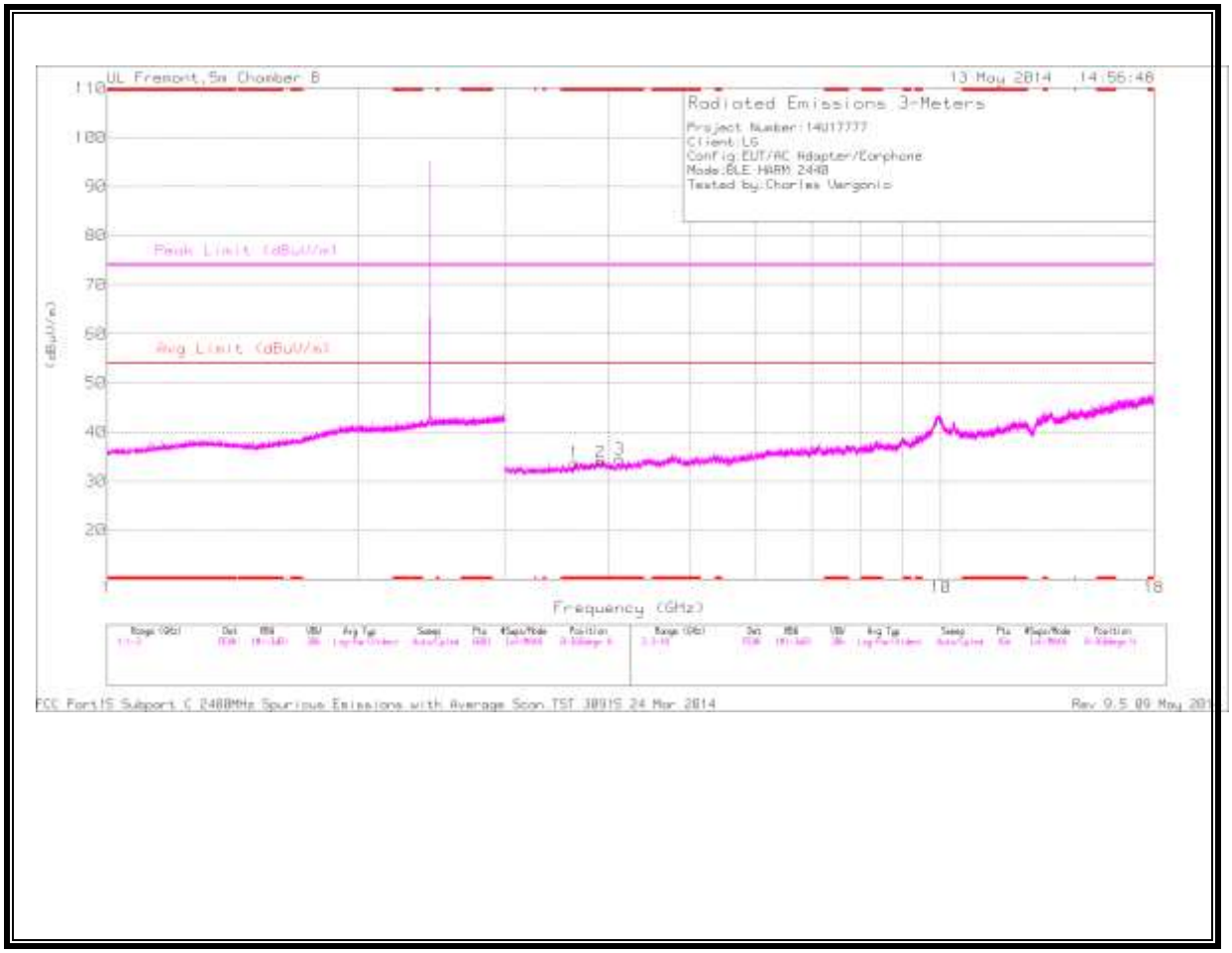
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.627	41.79	PK2	33.2	-31	43.99	-	-	74	-30.01	360	100	H
* 4.025	40.26	PK2	33.6	-31.2	42.66	-	-	74	-31.34	360	100	H
* 4.689	40.11	PK2	34.2	-29.9	44.41	-	-	74	-29.59	360	100	H
* 5.098	39.23	PK2	34.2	-28.5	44.93	-	-	74	-29.07	360	100	V
* 7.518	38.29	PK2	35.6	-26.7	47.19	-	-	74	-26.81	360	100	V
8.004	37.18	PK2	35.7	-26.3	46.58	-	-	-	-	360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

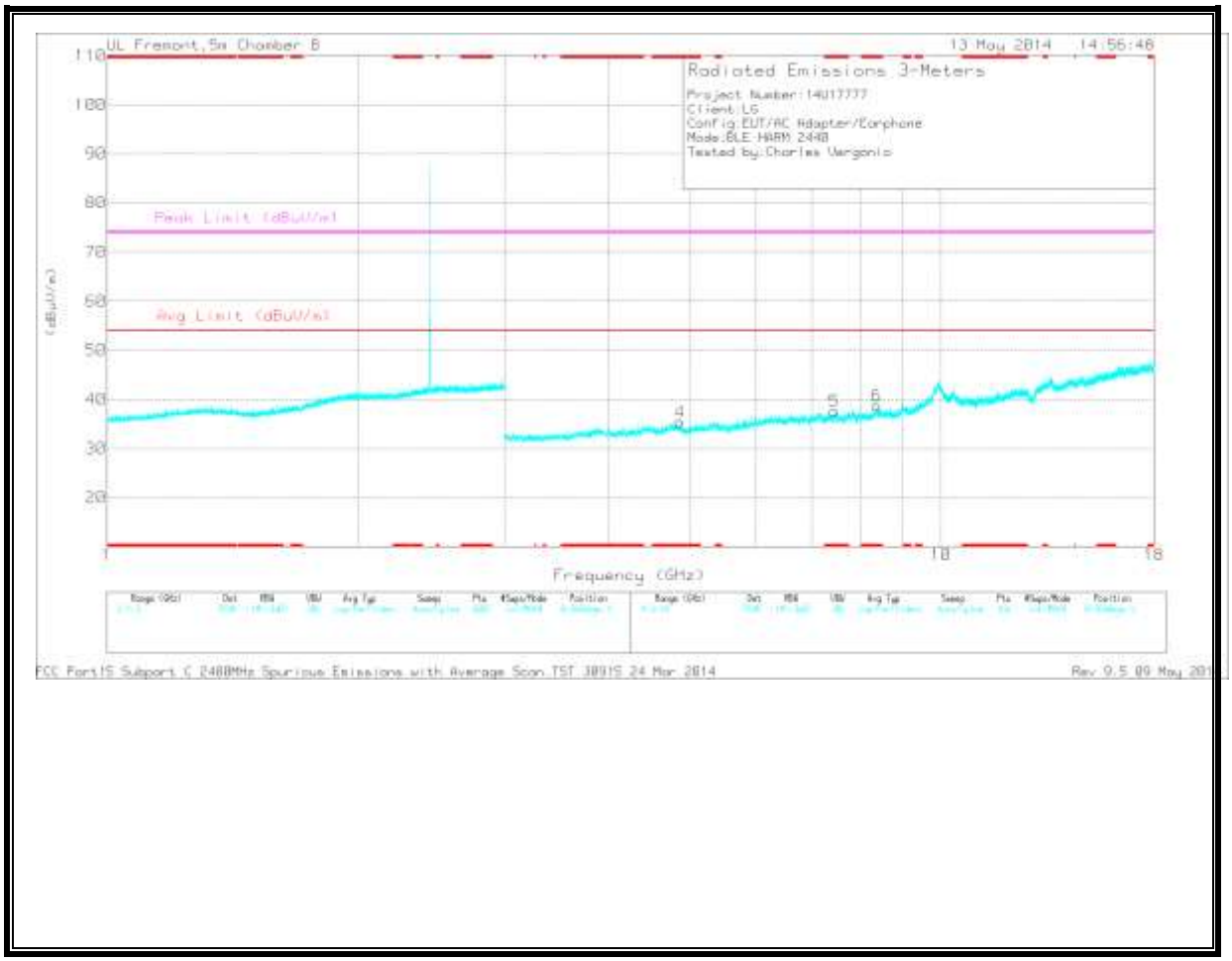
MID CHANNEL

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.

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.637	31.59	PK	33.2	-31.1	33.69	-	-	74	-40.31	0-360	99	H
2	* 3.909	30.33	PK	33.8	-30.3	33.83	-	-	74	-40.17	0-360	99	H
3	* 4.116	30.98	PK	33.6	-30.1	34.48	-	-	74	-39.52	0-360	201	H
4	* 4.864	31.55	PK	34.2	-30.4	35.35	-	-	74	-38.65	0-360	99	V
5	* 7.449	28.31	PK	35.6	-26.4	37.51	-	-	74	-36.49	0-360	99	V
6	* 8.373	27.89	PK	35.7	-24.9	38.69	-	-	74	-35.31	0-360	99	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.637	40.81	PK2	33.2	-31.1	42.91	-	-	74	-31.09	359	100	H
* 3.908	40.2	PK2	33.8	-30.3	43.7	-	-	74	-30.3	359	100	H
* 4.116	40.23	PK2	33.6	-30.1	43.73	-	-	74	-30.27	359	100	H
* 4.864	40.5	PK2	34.2	-30.4	44.3	-	-	74	-29.7	359	100	V
* 7.449	38.05	PK2	35.6	-26.4	47.25	-	-	74	-26.75	359	100	V
* 8.372	37.66	PK2	35.7	-25	48.36	-	-	74	-25.64	359	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

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.

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.663	31.95	PK	33.3	-31.2	34.05	-	-	74	-39.95	0-360	99	H
2	* 3.921	31	PK	33.8	-30.4	34.4	-	-	74	-39.6	0-360	99	H
3	* 4.283	32.49	PK	33.7	-30.9	35.29	-	-	74	-38.71	0-360	201	H
4	* 4.696	30.8	PK	34.2	-29.7	35.3	-	-	74	-38.7	0-360	99	V
5	* 5.031	30.05	PK	34.2	-29.1	35.15	-	-	74	-38.85	0-360	202	V
6	* 7.518	29.43	PK	35.6	-26.7	38.33	-	-	74	-35.67	0-360	99	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.661	40.76	PK2	33.3	-31.1	42.96	-	-	74	-31.04	360	100	H
* 3.922	40.36	PK2	33.7	-30.4	43.66	-	-	74	-30.34	360	100	H
* 4.283	41.03	PK2	33.7	-30.9	43.83	-	-	74	-30.17	360	100	H
* 4.696	40.48	PK2	34.2	-29.7	44.98	-	-	74	-29.02	360	100	V
* 5.034	39.24	PK2	34.2	-29.1	44.34	-	-	74	-29.66	360	100	V
* 7.517	37.72	PK2	35.6	-26.7	46.62	-	-	74	-27.38	360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

WORST CASE HARMONICS AND SPURIOUS EMISSIONS WITH SMART COVER

HORIZONTAL

VERTICAL

CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.143	32.09	PK	32.8	-31.1	33.79	-	-	-	-	0-360	99	H
2	3.426	32	PK	32.8	-31	33.8	-	-	-	-	0-360	99	H
3	5.973	29.66	PK	35.2	-28.5	36.36	-	-	-	-	0-360	99	H
4	7.156	29.64	PK	35.6	-27	38.24	-	-	-	-	0-360	202	V
5	9.66	27.54	PK	36.8	-23.5	40.84	-	-	-	-	0-360	99	V
6	9.906	30.33	PK	37	-23.6	43.73	-	-	-	-	0-360	202	V

PK - Peak detector

Radiated Emissions

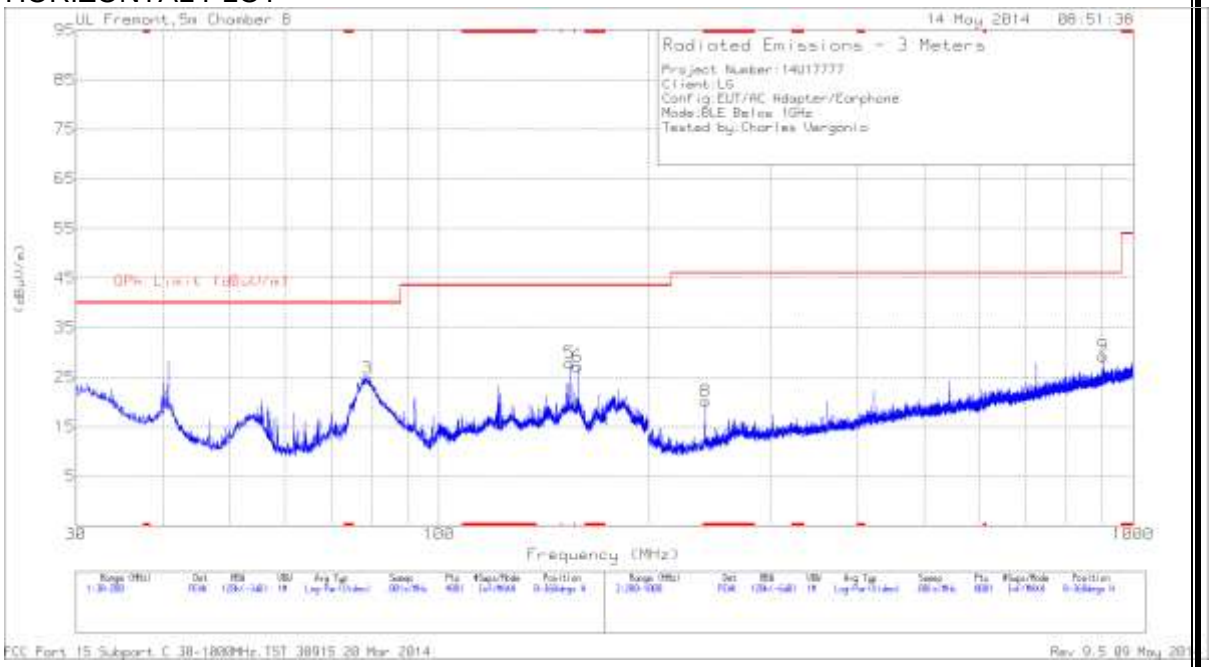
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
9.907	39.19	PK2	37	-23.6	52.59	-	-	-	-	1	204	V
9.908	27.87	MAv1	37	-23.6	41.27	-	-	-	-	1	204	V

PK2 - KDB558074 Method: Maximum Peak

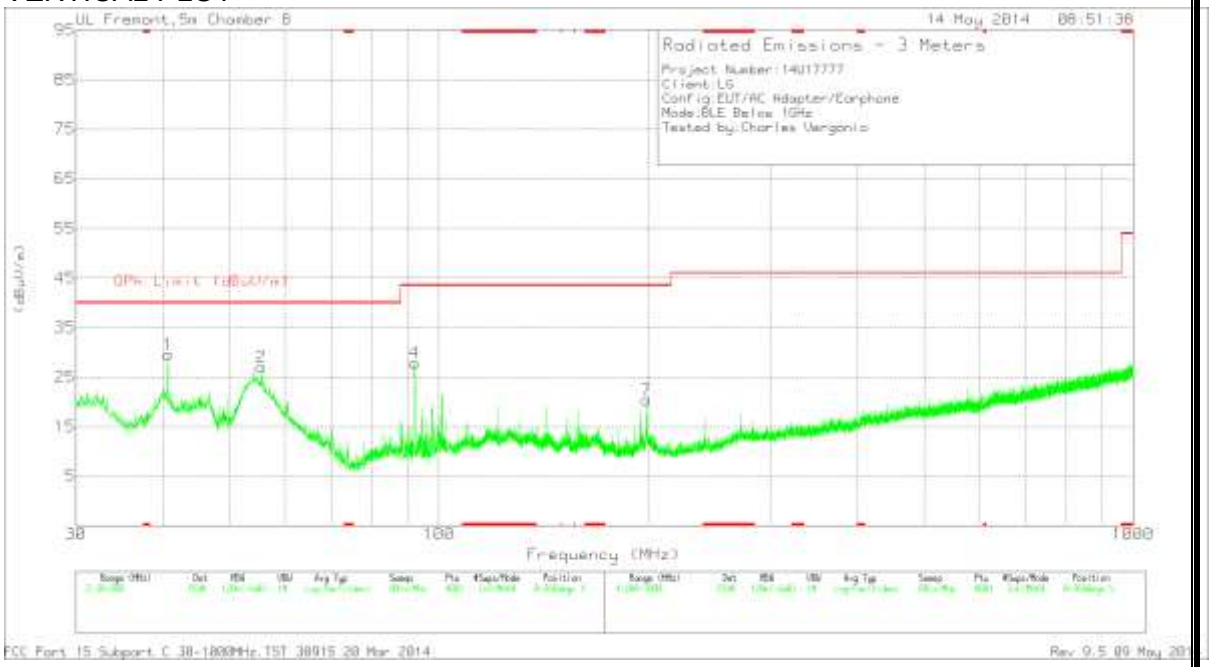
WORST-CASE BELOW 1 GHz

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

HORIZONTAL PLOT



VERTICAL PLOT



Trace Markers

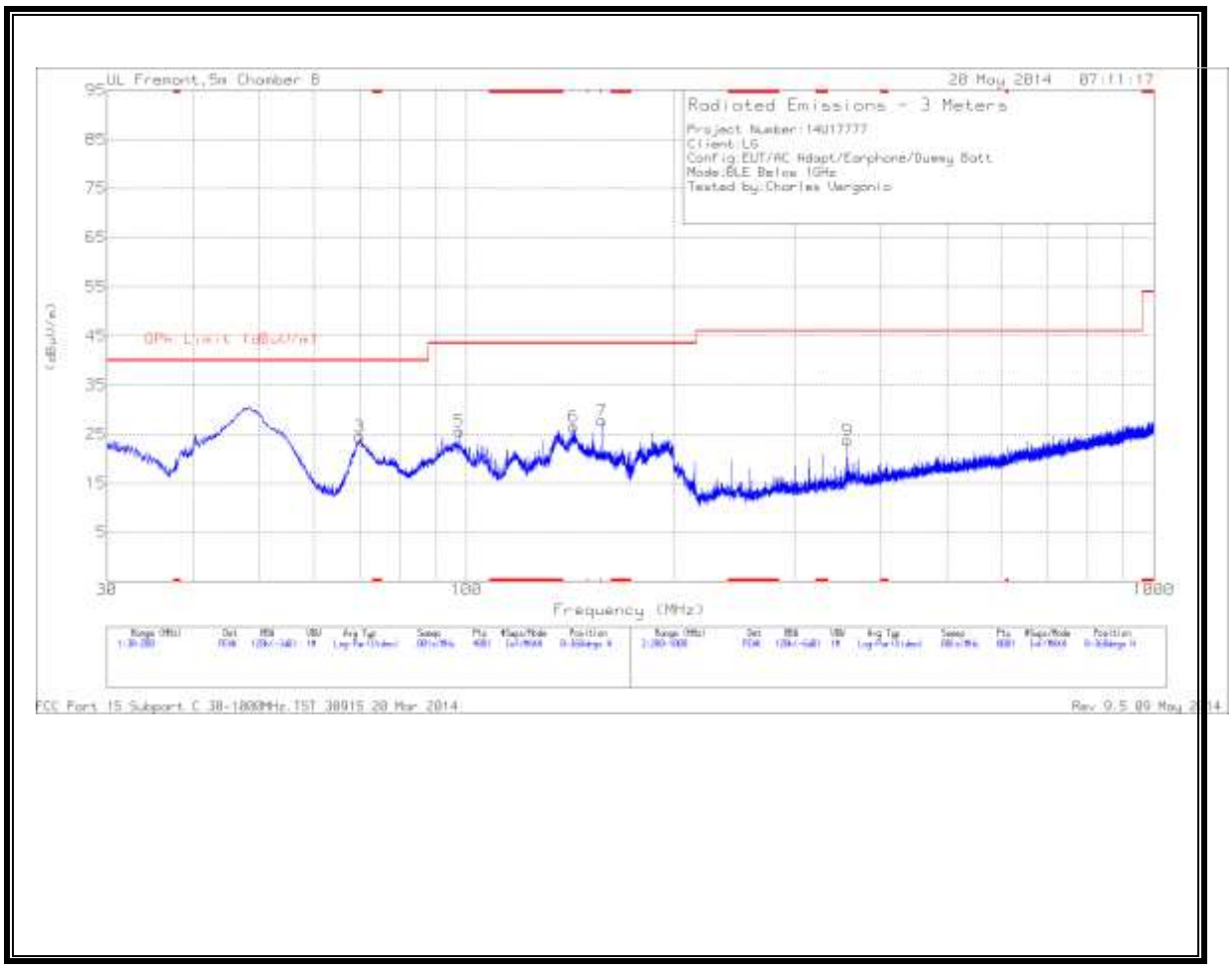
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T243 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
8	* 241.9	34.85	PK	11.7	-26.4	20.15	46.02	-25.87	0-360	101	H
1	40.7525	44.68	PK	13.4	-28.6	29.48	40	-10.52	0-360	100	V
2	55.5425	48.32	PK	7.2	-28.5	27.02	40	-12.98	0-360	100	V
3	78.7475	45.25	PK	7.8	-28.2	24.85	40	-15.15	0-360	200	H
4	92.305	47.8	PK	8.2	-28.1	27.9	43.52	-15.62	0-360	100	V
5	154.1	42.92	PK	12.3	-27.4	27.82	43.52	-15.7	0-360	300	H
6	158.52	42.23	PK	12.2	-27.3	27.13	43.52	-16.39	0-360	100	H
7	199.065	34.99	PK	12.3	-26.9	20.39	43.52	-23.13	0-360	100	V
9	904.7	29.92	PK	22.4	-23	29.32	46.02	-16.7	0-360	200	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

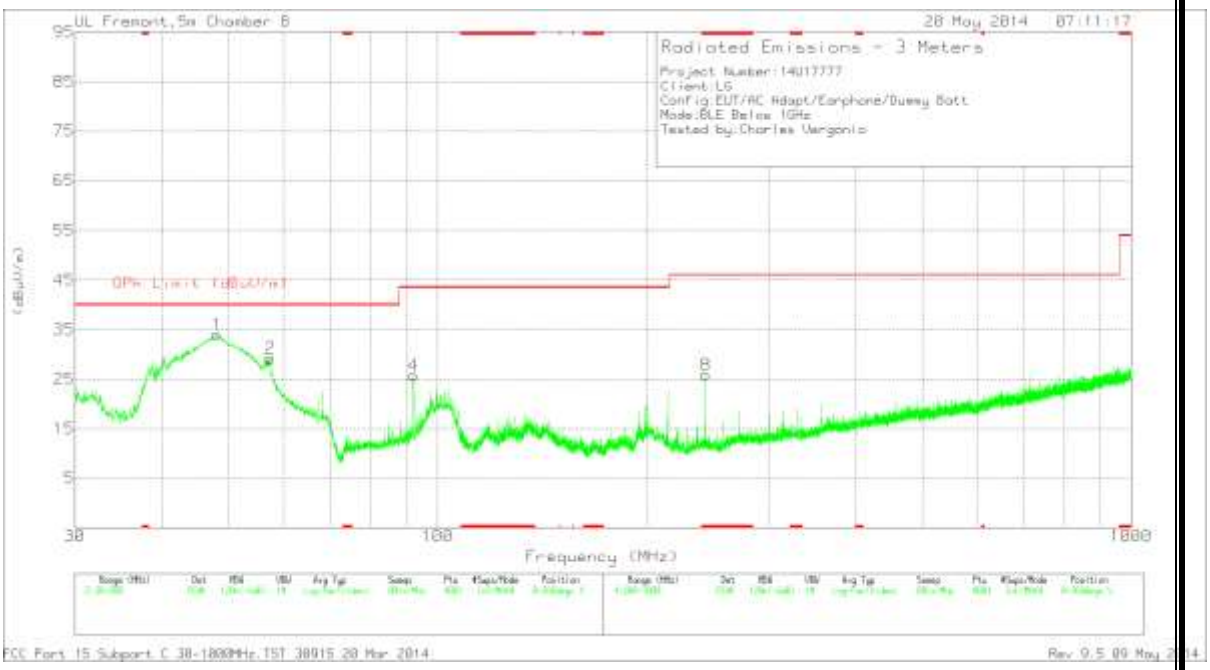
PK - Peak detector

WORST CASE HARMONICS AND SPURIOUS EMISSIONS WITH SMART COVER

HORIZONTAL



VERTICAL



CHANNEL DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T243 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
8	* 243.4	40.59	PK	11.7	-26.4	25.89	46.02	-20.13	0-360	200	V
1	48.105	53.67	PK	8.8	-28.5	33.97	40	-6.03	0-360	101	V
2	57.4125	50.33	PK	7.2	-28.4	29.13	40	-10.87	0-360	101	V
3	69.9925	44.72	PK	8.1	-28.3	24.52	40	-15.48	0-360	400	H
4	92.305	45.64	PK	8.2	-28.1	25.74	43.52	-17.78	0-360	101	V
5	97.7025	44.22	PK	9.5	-28.1	25.62	43.52	-17.9	0-360	200	H
6	143.1775	41.27	PK	12.7	-27.5	26.47	43.52	-17.05	0-360	200	H
7	157.4575	42.94	PK	12.2	-27.4	27.74	43.52	-15.78	0-360	200	H
9	357.9	34.87	PK	14.6	-25.8	23.67	46.02	-22.35	0-360	200	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector