FCC CFR47 PART 15 SUBPART C

BLUETOOTH LOW ENERGY
C2PC CERTIFICATION TEST REPORT

FOR

GSM/WCDMA/LTE PHABLET + BLUETOOTH, DTS/UNII a/b/g/n and NFC

MODEL NUMBER: LG-H740, LGH740, H740

FCC ID: ZNFH740

REPORT NUMBER: 15I21442-E3V1

ISSUE DATE: AUGUST 31, 2015

Prepared for

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NVLAP LAB CODE 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	8/31/15	Initial Issue	

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS

COMPANY NAME:	LG ELECTRONICS MOBILECOMM U.S.A., INC.
EUT DESCRIPTION:	GSM/WCDMA/LTE PHABLET + BLUETOOTH, DTS/UNII a/b/g/n and NFC
MODEL:	LG-H740, LGH740, H740
SERIAL NUMBER:	506CYBD000413 (RADIATED)
DATE TESTED:	AUGUST 8-9, 2015

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 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 C63.10-2009 for FCC and ANSI C63.10-2013 for IC, FCC CFR 47 Part 2, FCC CFR 47 Part 15, RSS-GEN Issue 3, and RSS-247 Issue 1.

ANSI C63.10-2009 Deviation

Radiated spurious emission above 1GHz was performed with the EUT elevated at 1.5m instead of 0.8m. 1.5m is the required height in ANSI C63.10:2013 as referenced by RSS GEN issue 4.

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
☒ Chamber A(IC: 2324B-1)	☐ Chamber D(IC: 2324B-4)
☐ Chamber B(IC: 2324B-2)	☐ Chamber E(IC: 2324B-5)
☒ Chamber C(IC: 2324B-3)	☐ Chamber F(IC: 2324B-6)
	☐ Chamber G(IC: 2324B-7)
	☐ Chamber H(IC: 2324B-8)

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at http://ts.nist.gov/standards/scopes/2000650.htm.

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/WCDMA/LTE PHABLET + BLUETOOTH, DTS/UNII a/b/g/n and NFC

5.2. MAXIMUM OUTPUT POWER

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

See original report for details.

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an FPCB antenna, with a maximum gain of -2.0 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	MCS-N04WS	SA560000030	N/A
Earphone	LG	N/A	N/A	N/A

I/O CABLES

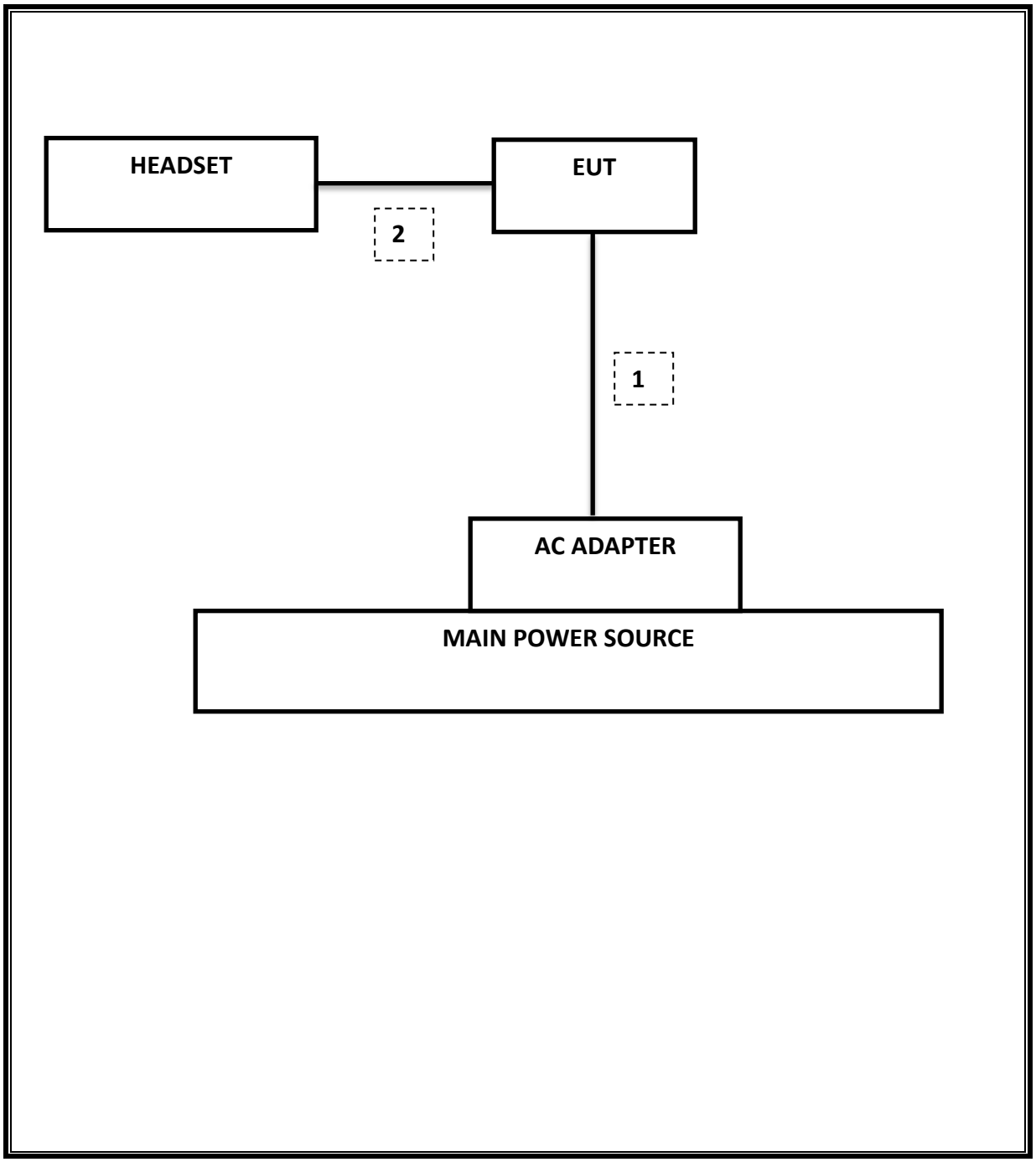
I/O Cable List						
Cable No	**Port**	**# of identical ports**	**Connector Type**	**Cable Type**	**Cable Length (m)**	**Remarks**
1	DC Power	1	Mini-USB	Shielded	1.2m	N/A
2	Audio	1	Mini-Jack	Unshielded	1m	N/A

TEST SETUP

The EUT is continuously communicating to the Bluetooth tester during the tests.

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**
Antenna, Biconolog, 30MHz-1 GHz	Sunol Sciences	JB1	C01171	02/13/16
Antenna, Horn, 18GHz	EMCO	3115	T119	01/15/16
Antenna, Horn, 18GHz	EMCO	3115	T136	03/03/16
Antenna, Horn, 26.5 GHz	ARA	MWH-1826/B	C00980	11/14/15
RF Preamplifier, 100KHz -> 1300MHz	HP	TBD	C00825	06/01/16
RF Preamplifier, 1GHz - 18GHz	Miteq	NSP4000-SP2	924343	03/23/16
RF Preamplifier, 1GHz - 26.5GHz	HP	8449B	T404	06/29/16
Spectrum Analyzer, 44 GHz	Agilent / HP	E4446A	C01069	12/20/15
CBT Bluetooth Tester	R & S	CBT	T258	06/30/16
Peak Power Meter	Agilent / HP	E4416A	C00963	12/13/15
Peak / Average Power Sensor	Agilent / HP	E9327A	C00964	12/13/15
LISN, 30 MHz	FCC	50/250-25-2	C00626	01/14/16
Reject Filter, 2.4GHz	Micro-Tronics	BRM50702	N02684	CNR
Radiated Software	UL	UL EMC	Ver 9.5, July 22, 2014	
Conducted Software	UL	UL EMC	Ver 9.5, May 17 2012	
CLT Software	UL	UL RF	Ver 1.0, Feb 2 2015	
Antenna Port Software	UL	UL RF	Ver 2.1.1.1, Jan 20 2015	

7. SUMMARY TABLE

C2PC reason: Please see LG-H740 change note for details.

FCC Part Section	RSS Section(s)	Test Description	Test Limit	Test Condition	Test Result	Worst Case
15.247 (a)(2)	RSS-247 5.2.1	Occupied Band width (6dB)	>500KHz	Conducted	Pass	See Original
2.1051, 15.247 (d)	RSS-247 5.5	Band Edge / Conducted Spurious Emission	-20dBc		Pass	See Original
15.247	RSS-247 5.4.4	TX conducted output power	<30dBm		Pass	See Original
15.247	RSS-247 5.2.2	PSD	<8dBm		Pass	See Original
15.207 (a)	RSS-GEN 8.8	AC Power Line conducted emissions	Section 10	Radiated	Pass	See Original
15.205, 15.209	RSS-GEN 8.9/7	Radiated Spurious Emission	< 54dBuV/m		Pass	43.29 dBuV/m

8. ON TIME, DUTY CYCLE AND MEASUREMENT METHODS

LIMITS

None; for reporting purposes only.

PROCEDURE

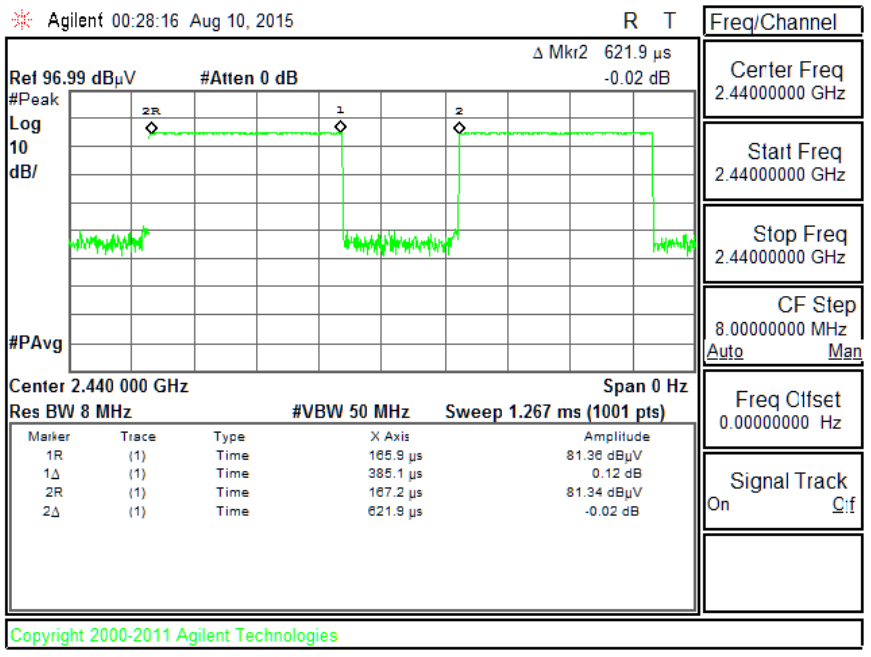
KDB 558074 Zero-Span Spectrum Analyzer Method.

8.1. ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
BLE	0.385	0.622	0.619	61.92%	2.08	2.597

8.2. DUTY CYCLE PLOT

DUTY CYCLE BLE MODE



9. RADIATED TEST RESULT

9.1. LIMITS AND PROCEDURE

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 this sample: DCF = 10log (1/0.619)=2.08dB
(Spectrum Analyzer round it up to 2.1dB)

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.

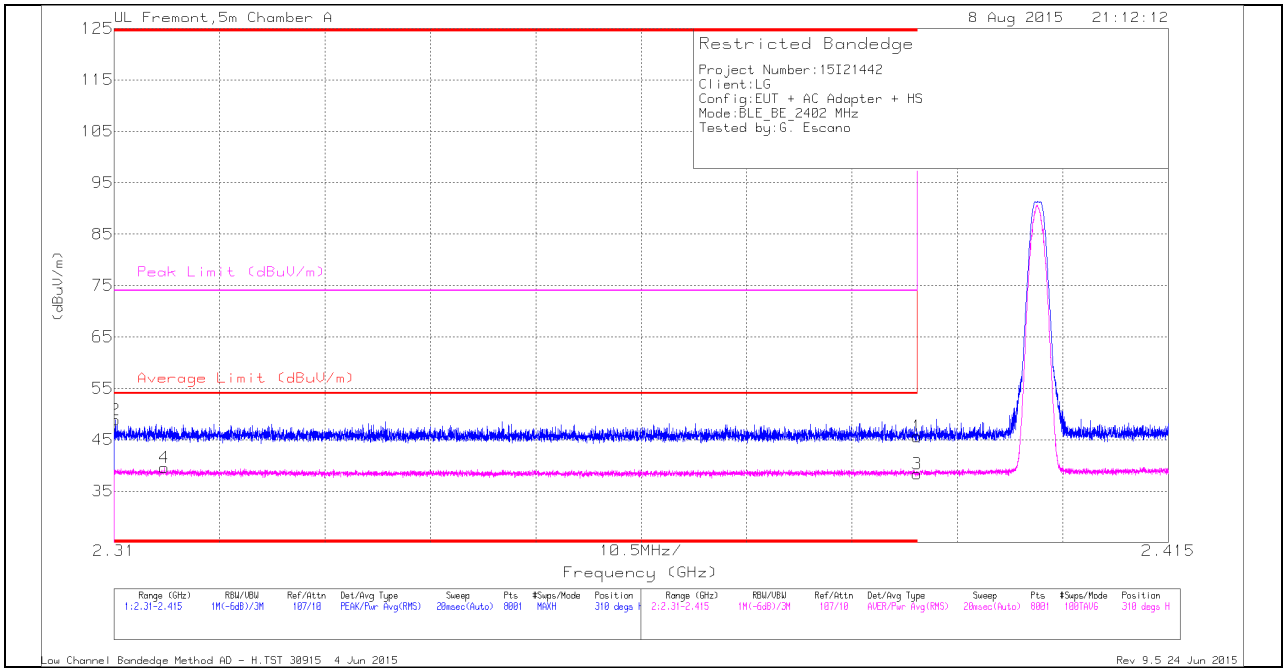
The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

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.

9.2. TRANSMITTER ABOVE 1 GHz

RESTRICTED BANDEDGE (LOW CHANNEL)

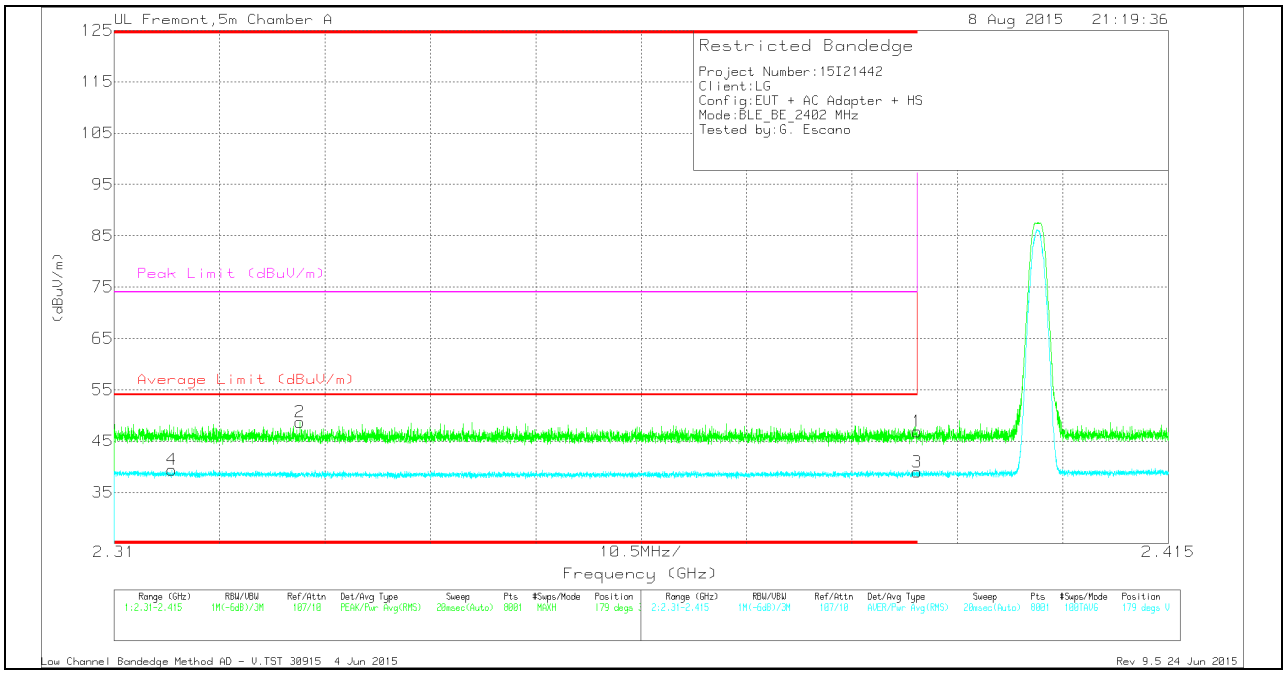
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	38.23	Pk	32	-24.6	0	45.63	-	-	74	-28.37	310	101	H
2	* 2.31	41.63	Pk	31.9	-24.7	0	48.83	-	-	74	-25.17	310	101	H
3	* 2.39	28.91	RMS	32	-24.6	2.08	38.39	54	-15.61	-	-	310	101	H
4	* 2.315	30.31	RMS	31.9	-24.7	2.08	39.59	54	-14.41	-	-	310	101	H

VERTICAL PEAK AND AVERAGE PLOT

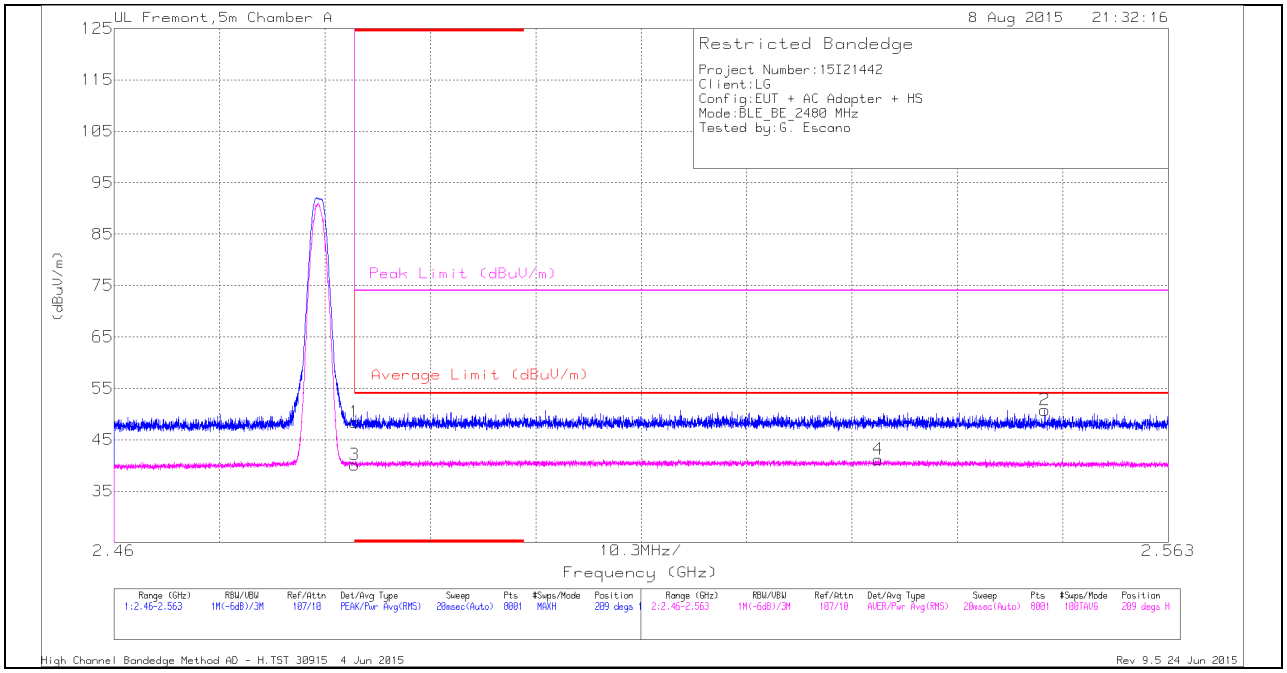


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	39.47	Pk	32	-24.6	0	46.87	-	-	74	-27.13	179	373	V
2	* 2.329	41.5	Pk	31.9	-24.7	0	48.7	-	-	74	-25.3	179	373	V
3	* 2.39	29.53	RMS	32	-24.6	2.08	39.01	54	-14.99	-	-	179	373	V
4	* 2.316	30.16	RMS	31.9	-24.7	2.08	39.44	54	-14.56	-	-	179	373	V

AUTHORIZED BANDEDGE (HIGH CHANNEL)

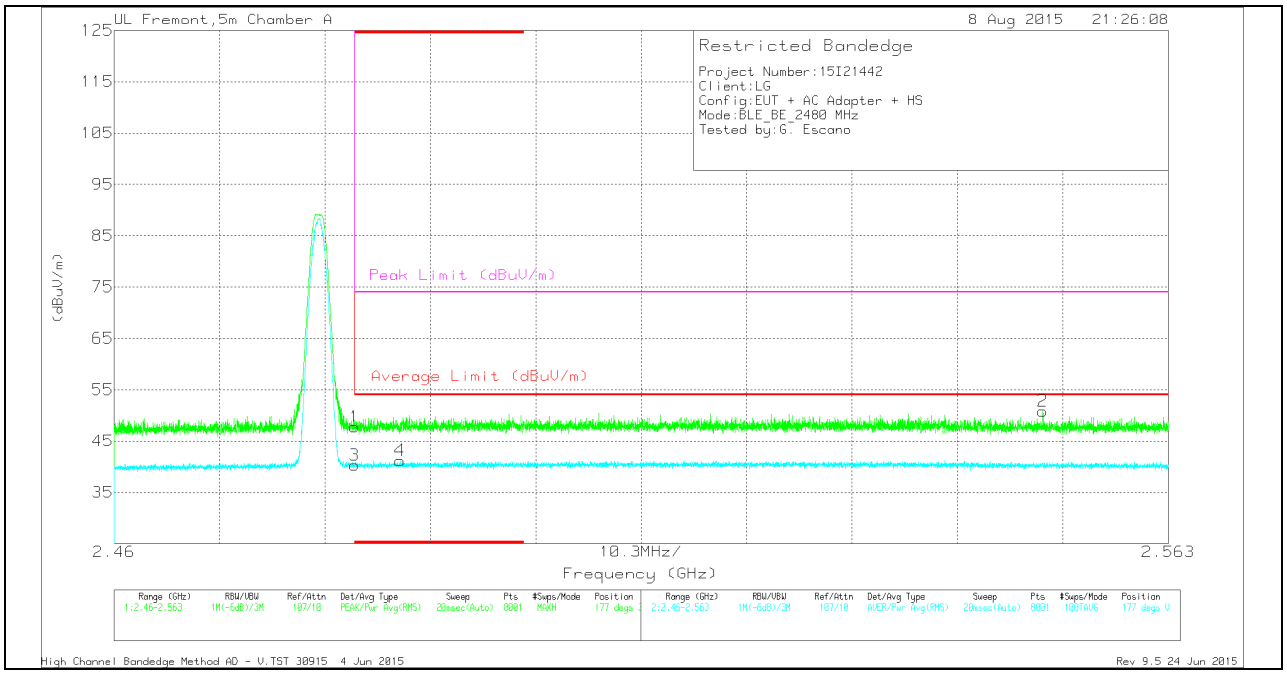
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	* 2.484	40.85	Pk	32.1	-24.5	0	48.45	-	-	74	-25.55	209	100	H
3	* 2.484	30.48	RMS	32.1	-24.5	2.08	40.16	54	-13.84	-	-	209	100	H
4	2.535	31.47	RMS	32.1	-24.4	2.08	41.25	54	-12.75	-	-	209	100	H
2	2.551	42.97	Pk	32.2	-24.4	0	50.77	-	-	74	-23.23	209	100	H

VERTICAL PEAK AND AVERAGE PLOT

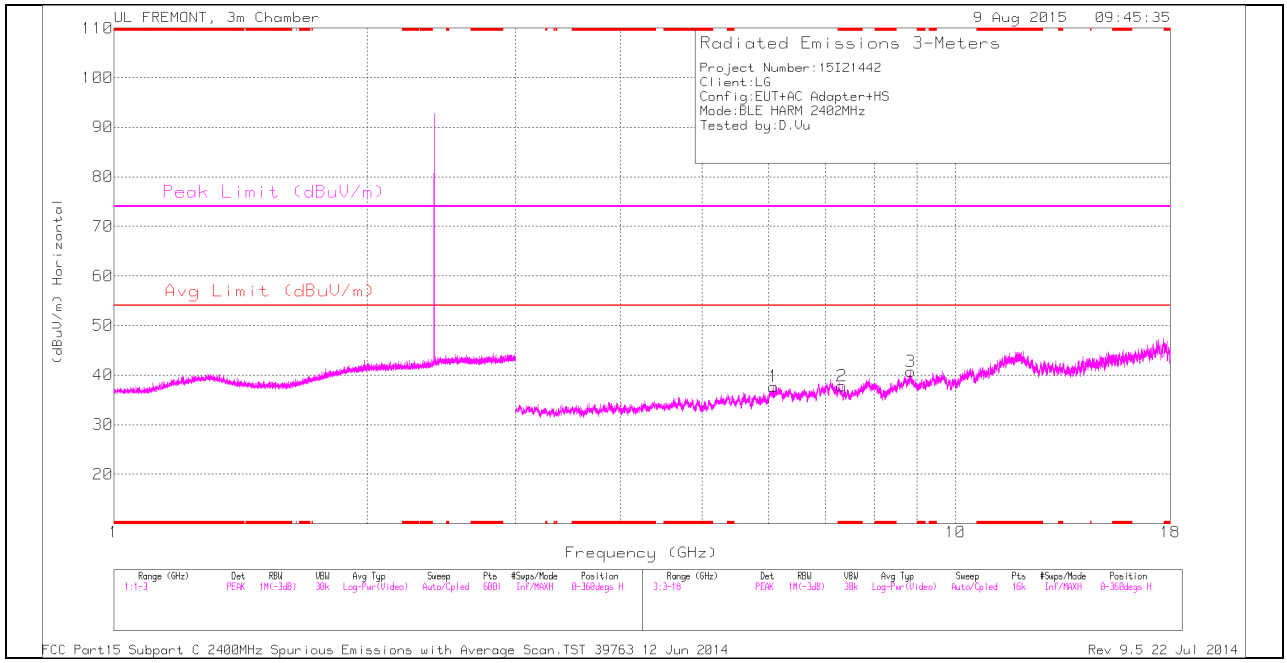


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	* 2.484	40.16	Pk	32.1	-24.5	0	47.76	-	-	74	-26.24	177	356	V
3	* 2.484	30.64	RMS	32.1	-24.5	2.08	40.32	54	-13.68	-	-	177	356	V
4	* 2.488	31.56	RMS	32.1	-24.5	2.08	41.24	54	-12.76	-	-	177	356	V
2	2.551	43.04	Pk	32.2	-24.4	0	50.84	-	-	74	-23.16	177	356	V

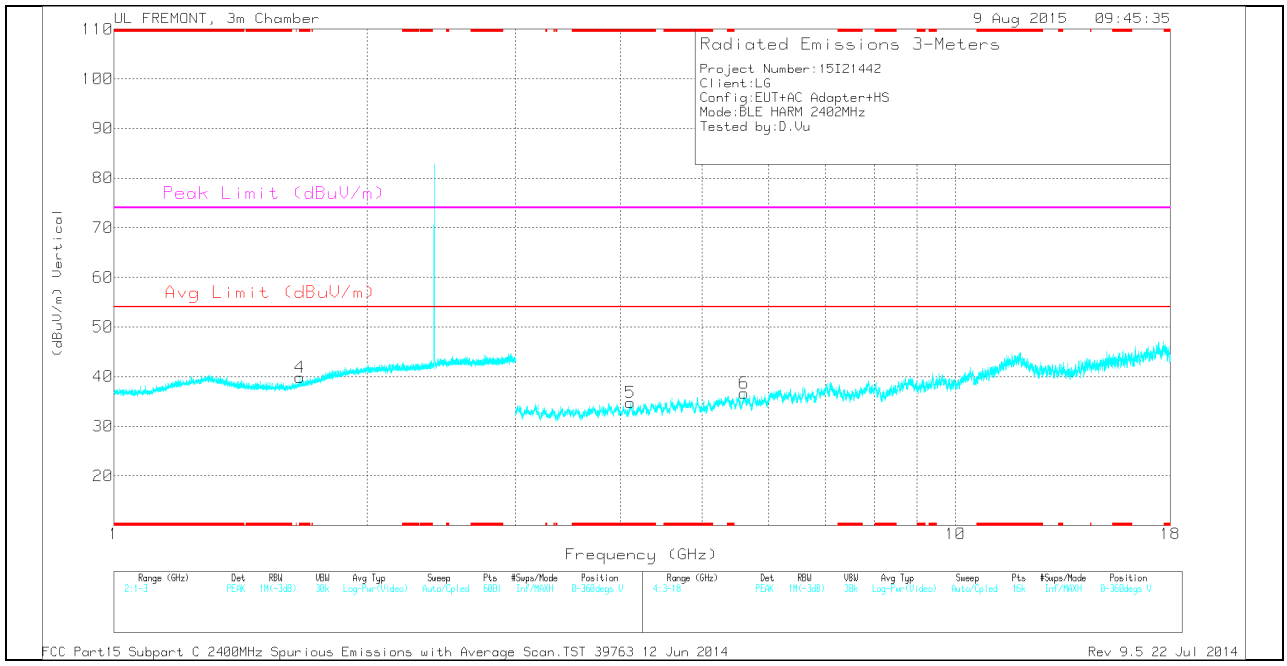
HARMONICS AND SPURIOUS EMISSIONS

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

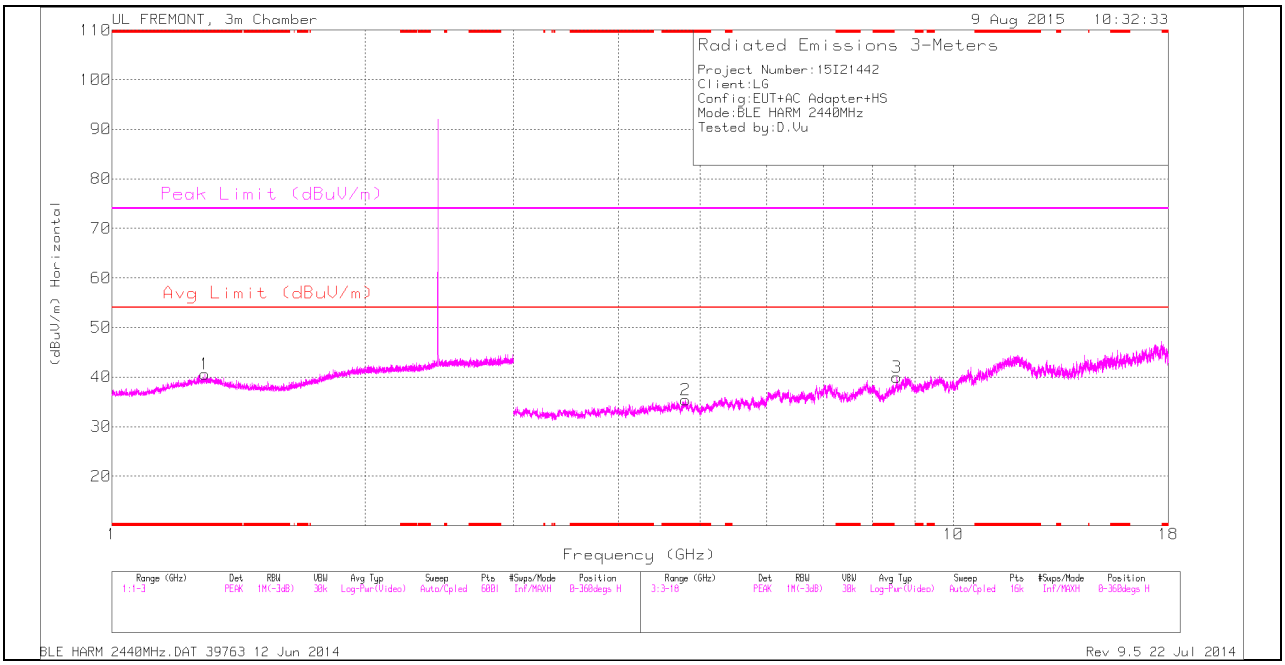
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.662	33.89	PK	28.6	-22.7	0	39.79	-	-	74	-34.21	0-360	200	V
2	* 7.328	29.54	PK	35.6	-27.3	0	37.84	-	-	74	-36.16	0-360	200	H
5	* 4.11	31.84	PK	33.3	-30.4	0	34.74	-	-	74	-39.26	0-360	200	V
6	5.611	30.47	PK	34.6	-28.4	0	36.67	-	-	-	-	0-360	100	V
1	6.08	30.74	PK	35.2	-28.2	0	37.74	-	-	-	-	0-360	200	H
3	8.847	29.77	PK	35.9	-24.9	0	40.77	-	-	-	-	0-360	100	H

PK - Peak detector

RADIATED EMISSIONS

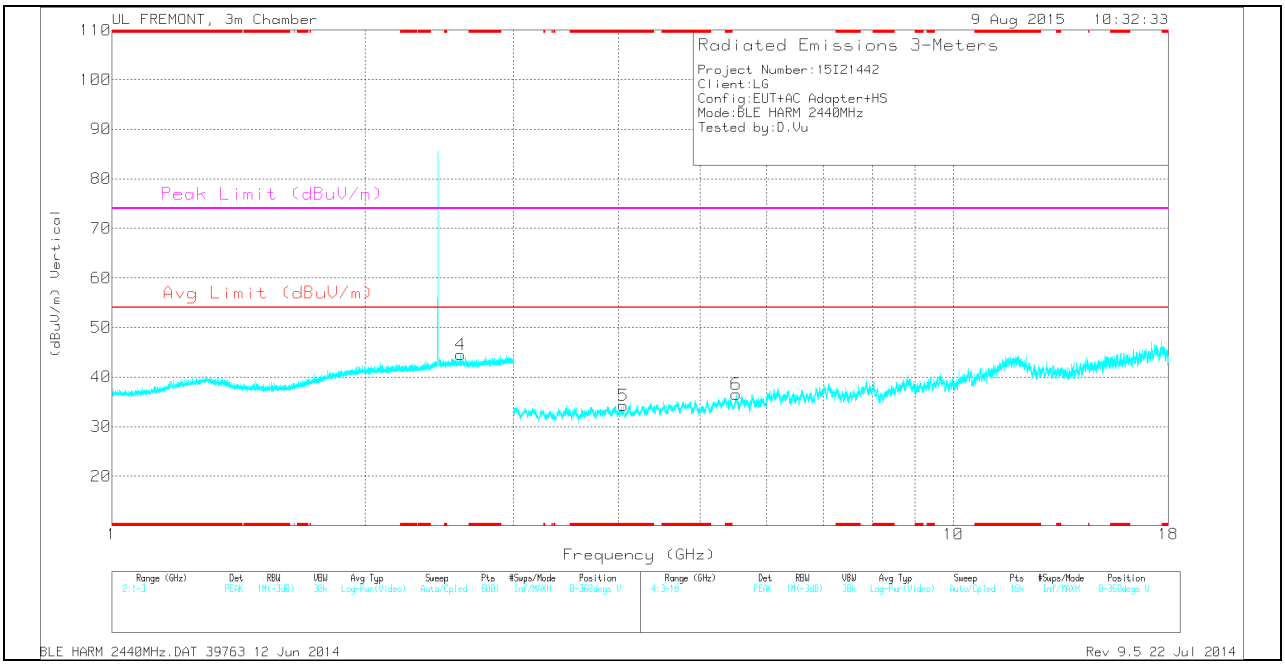
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.662	42.43	PK2	28.6	-22.7	0	48.33	-	-	74	-25.67	0	200	V
* 1.664	30.98	MAv1	28.6	-22.7	2.08	38.96	54	-15.04	-	-	0	200	V
* 7.328	38.11	PK2	35.6	-27.3	0	46.41	-	-	74	-27.59	0	200	H
* 7.33	27	MAv1	35.6	-27.3	2.08	37.38	54	-16.62	-	-	0	200	H
* 4.108	41.46	PK2	33.3	-30.5	0	44.26	-	-	74	-29.74	0	200	V
* 4.112	29.64	MAv1	33.3	-30.4	2.08	34.62	54	-19.38	-	-	0	200	V
5.609	28.57	MAv1	34.6	-28.4	2.08	37.0	-	-	-	-	0	100	V
5.611	39.78	PK2	34.6	-28.4	0	45.98	-	-	-	-	0	100	V
6.079	39.09	PK2	35.2	-28.2	0	46.09	-	-	-	-	0	200	H
6.079	27.56	MAv1	35.2	-28.2	2.08	36.79	-	-	-	-	0	200	H
8.847	38.3	PK2	35.9	-24.9	0	49.3	-	-	-	-	0	100	H
8.848	26.19	MAv1	35.9	-24.9	2.08	39.42	-	-	-	-	0	100	H

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

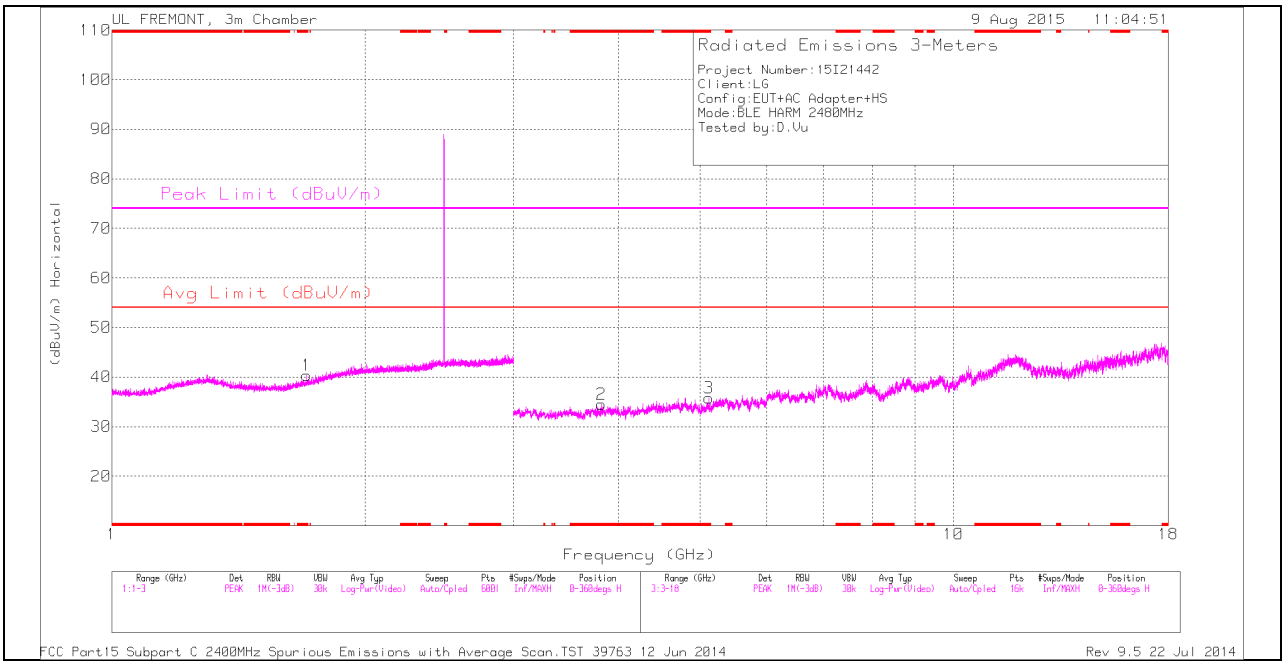
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.289	33.89	PK	29.8	-23.1	0	40.59	-	-	74	-33.41	0-360	100	H
2	* 4.803	30.78	PK	34	-29.4	0	35.38	-	-	74	-38.62	0-360	100	H
5	* 4.055	31.39	PK	33.3	-30.4	0	34.29	-	-	74	-39.71	0-360	200	V
4	2.597	34.11	PK	32.4	-22	0	44.51	-	-	-	-	0-360	100	V
6	5.518	31.65	PK	34.6	-29.7	0	36.55	-	-	-	-	0-360	100	V
3	8.566	30.21	PK	35.8	-26.1	0	39.91	-	-	-	-	0-360	100	H

PK - Peak detector

RADIATED EMISSIONS

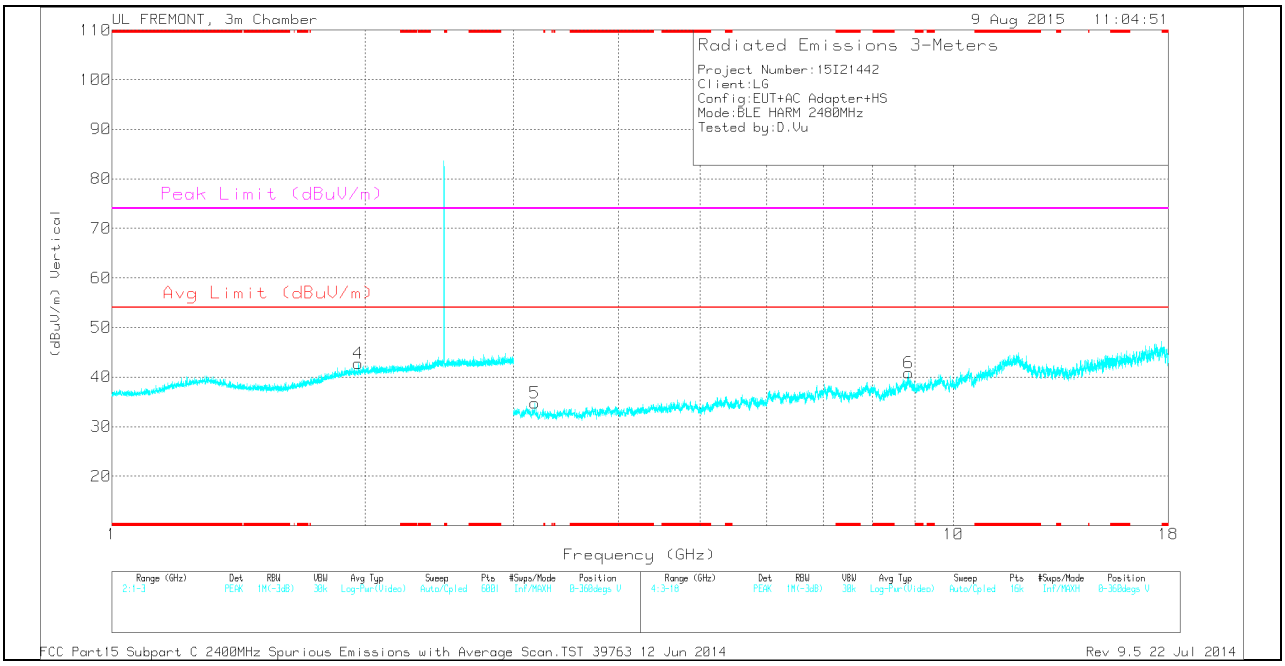
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.287	42.8	PK2	29.8	-23.1	0	49.5	-	-	74	-24.5	0	100	H
* 1.288	31.2	MAv1	29.8	-23.1	2.08	39.98	54	-14.02	-	-	0	100	H
* 4.053	41.7	PK2	33.3	-30.5	0	44.5	-	-	74	-29.5	0	200	V
* 4.053	29.46	MAv1	33.3	-30.5	2.08	34.34	54	-19.66	-	-	0	200	V
2.596	42.48	PK2	32.4	-22	0	52.88	-	-	-	-	0	100	V
2.596	30.91	MAv1	32.4	-22.1	2.08	43.29	54	-10.71	-	-	0	100	V
5.518	28.98	MAv1	34.6	-29.7	2.08	35.96	54	-18.04	-	-	0	100	V
5.519	40.79	PK2	34.6	-29.7	0	45.69	-	-	-	-	0	100	V
5.528	28.8	MAv1	34.6	-29.4	2.08	36.08	54	-17.92	-	-	0	200	H
5.529	40.57	PK2	34.6	-29.3	0	45.87	-	-	-	-	0	200	H
8.566	38.49	PK2	35.8	-26.1	0	48.19	-	-	-	-	0	100	H
8.567	26.68	MAv1	35.8	-26.1	2.08	38.46	54	-15.54	-	-	0	100	H

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 T119 (dB/m)	Amp/Cbl/Fltr /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	* 1.703	34.18	PK	29	-22.8	0	40.38	-	-	74	-33.62	0-360	200	H
2	* 3.817	31.86	PK	33.1	-30.5	0	34.46	-	-	74	-39.54	0-360	200	H
3	* 5.124	31.22	PK	34.2	-29.6	0	35.82	-	-	74	-38.18	0-360	200	H
4	1.961	34.02	PK	31.3	-22.6	0	42.72	-	-	-	-	0-360	100	V
5	3.181	32.44	PK	32.6	-30.3	0	34.74	-	-	-	-	0-360	100	V
6	8.851	29.9	PK	35.9	-25	0	40.8	-	-	-	-	0-360	100	V

PK - Peak detector

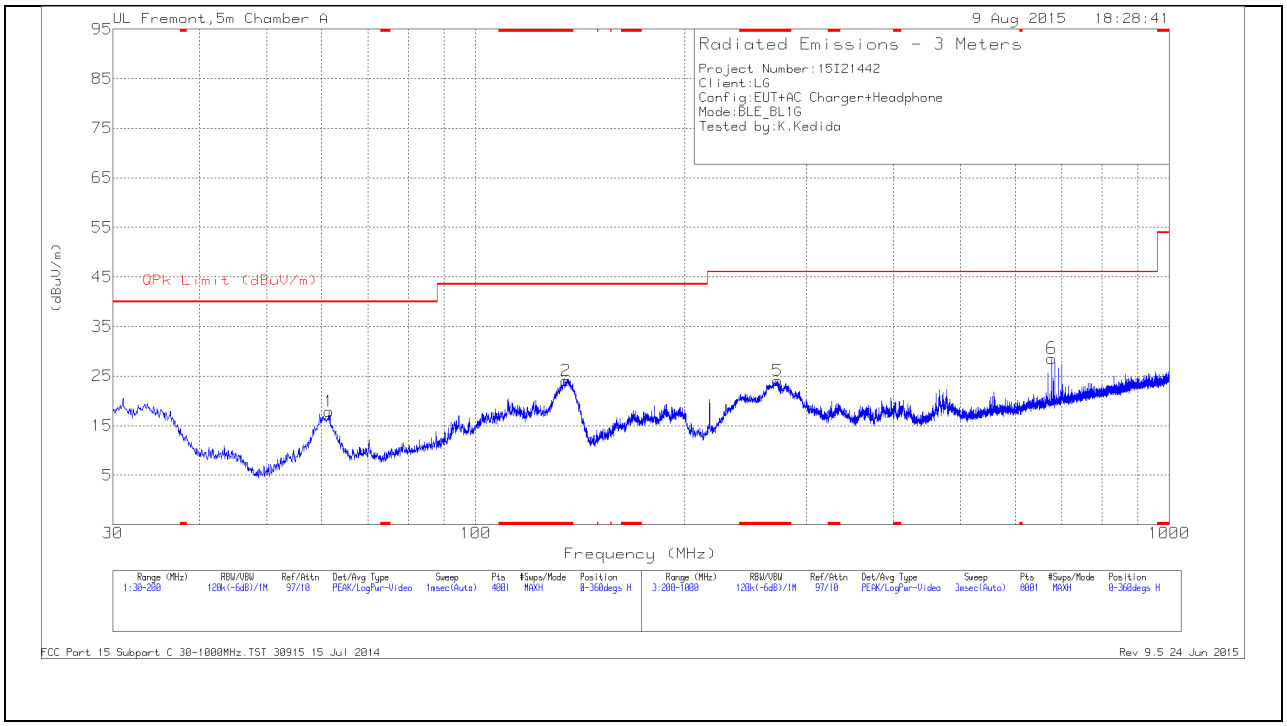
RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Fltr/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
* 1.703	42.74	PK2	29	-22.7	0	49.04	-	-	74	-24.96	0	200	H
* 1.702	30.93	MAv1	29	-22.8	2.08	39.21	54	-14.79	-	-	0	200	H
* 3.815	40.7	PK2	33.1	-30.5	0	43.3	-	-	74	-30.7	0	200	H
* 3.817	29.12	MAv1	33.1	-30.5	2.08	33.8	54	-20.2	-	-	0	200	H
* 5.125	39.8	PK2	34.2	-29.6	0	44.4	-	-	74	-29.6	0	200	H
* 5.123	28.26	MAv1	34.1	-29.6	2.08	34.84	54	-19.16	-	-	0	200	H
1.96	42.48	PK2	31.3	-22.6	0	51.18	-	-	-	-	0	100	V
1.962	30.89	MAv1	31.4	-22.6	2.08	41.77	-	-	-	-	0	100	V
3.179	29.43	MAv1	32.6	-30.3	2.08	33.81	-	-	-	-	0	100	V
3.18	40.43	PK2	32.6	-30.3	0	42.73	-	-	-	-	0	100	V
8.852	37.94	PK2	35.9	-25.1	0	48.74	-	-	-	-	0	100	V
8.853	26.11	MAv1	35.9	-25.1	2.08	38.99	-	-	-	-	0	100	V

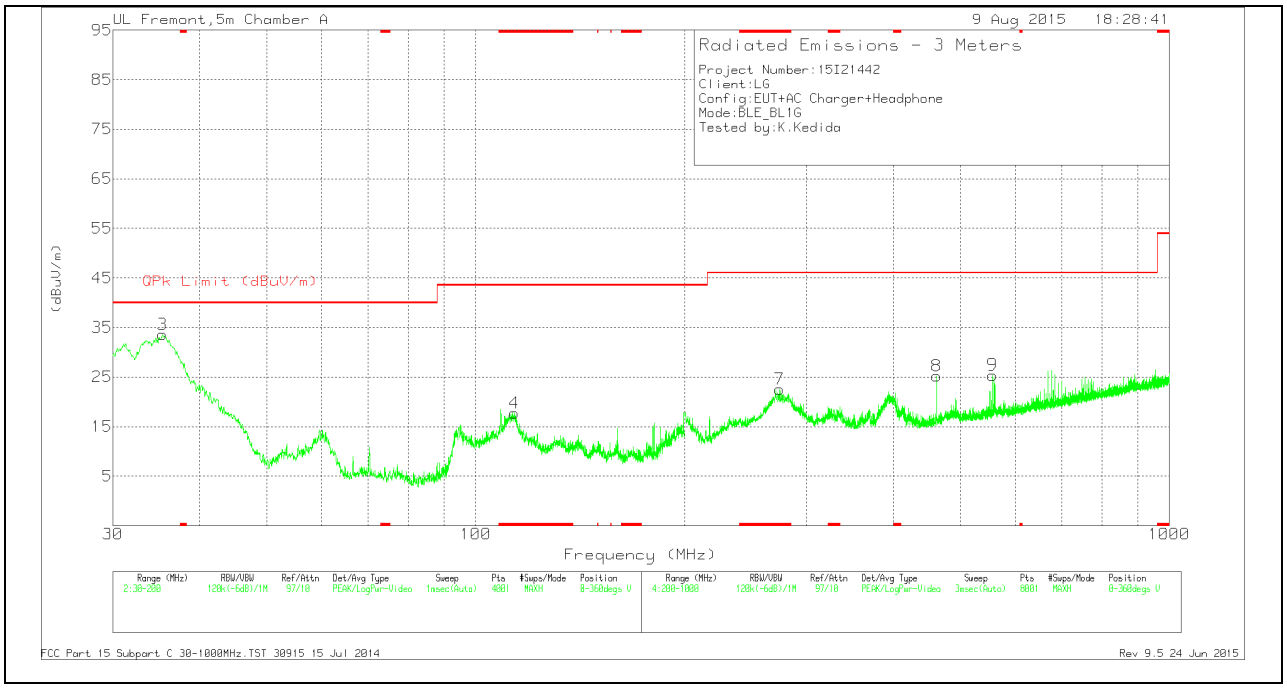
9.3. WORST-CASE BELOW 1 GHz

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

HORIZONTAL PLOT



VERTICAL PLOT



BELOW 1 GHz TABLE

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T130 (dB/m)	Amp/Cbl (dB/m)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 134.89	40.42	Pk	14	-30.3	24.12	43.52	-19.4	0-360	399	H
4	* 113.725	34.98	Pk	13.1	-30.4	17.68	43.52	-25.84	0-360	101	V
5	* 272.3	40.52	Pk	13.1	-29.5	24.12	46.02	-21.9	0-360	101	H
7	* 274.5	38.8	Pk	13.2	-29.5	22.5	46.02	-23.52	0-360	299	V
3	35.3975	47.29	Pk	17.5	-31.2	33.59	40	-6.41	0-360	101	V
1	61.45	41	Pk	7.7	-30.9	17.8	40	-22.2	0-360	399	H
8	461.9	37.05	Pk	17	-28.8	25.25	46.02	-20.77	0-360	101	V
9	556.3	35.61	Pk	18.4	-28.6	25.41	46.02	-20.61	0-360	101	V
6	676.3	36.98	Pk	19.8	-28.2	28.58	46.02	-17.44	0-360	199	H

PK - Peak detector