FCC CFR47 PART 15 SUBPART C

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-E4V1

ISSUE DATE: AUGUST 31, 2015

Prepared for

LG ELECTRONICS MOBILECOMM U.S.A., INC
1000 SYLVAN AVENUE
ENGLEWOOD CLIFFS,
NEW JERSEY, 07632, U.S.A

Prepared by

UL VERIFICATION SERVICES INC.
47173 BENICIA STREET
FREMONT, CA 94538, U.S.A.
TEL: (510) 771-1000
FAX: (510) 661-0888

Revision History

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

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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
DATE TESTED:	AUGUST 4-10, 2015

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

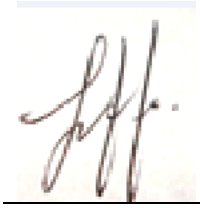
UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc. based on interpretations and/or observations of test results. Measurement 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.

Approved & Released For
UL Verification Services Inc. By:

DAN CORONIA
CONSUMER TECHNOLOGY DIVISION
WiSE PROJECT LEAD
UL VERIFICATION SERVICES INC

Tested By:



JEFFREY WU
CONSUMER TECHNOLOGY DIVISION
WiSE LAB ENGINEER
UL VERIFICATION SERVICES INC

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15, ANSI C63.10-2009 for FCC and ANSI C63.10-2013 for IC, RSS-GEN Issue 4, 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 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.

Based on the baseline scan, the worst-case data rates were:

802.11b mode: 1 Mbps
802.11g mode: 6 Mbps
802.11a mode: 6 Mbps
802.11n HT20mode: MCS0

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
AC Adapter	LG	MCS-01WRE	RA560000025	N/A
Earphone	LG	-	-	-

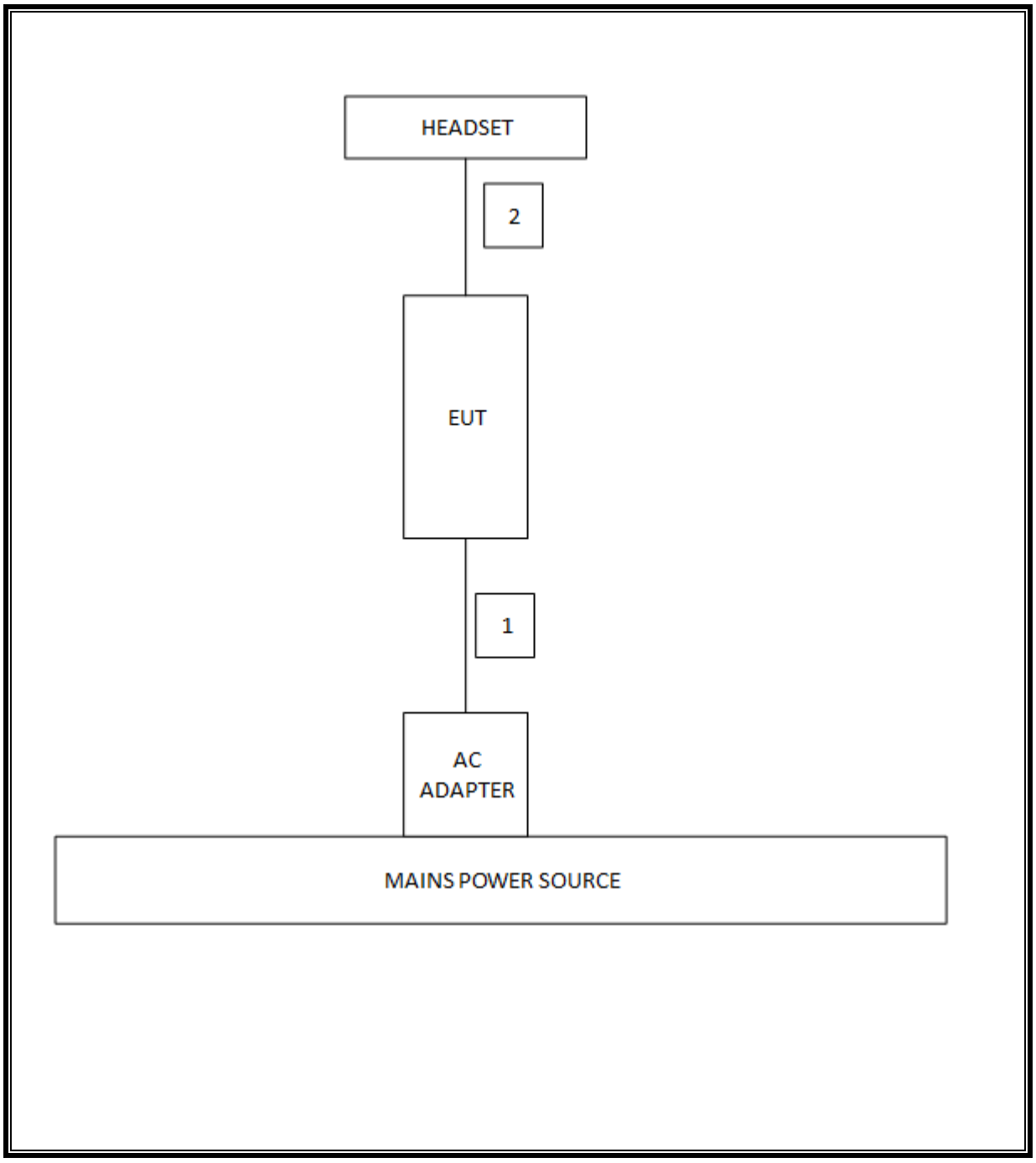
I/O CABLES

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 a stand-alone unit during the tests. Test software exercised the radio card.

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	C01069	12/20/15
Spectrum Analyzer,9KHz-40GHz	HP	8564E	C00986	04/01/16
EMI Test Receiver, 9 kHz-7 GHz	R & S	ESCI 7	212	08/07/16
EMI Test Receiver, 30 MHz	R & S	ESHS 20	N02396	08/18/15
Peak Power Meter	Agilent / HP	E4416A	C00963	12/13/15
Peak / Average Power Sensor	Agilent / HP	E9327A	C00964	12/13/15
Antenna, Horn, 1-18 GHz	ETS	3117	T119	01/05/16
Antenna, Horn, 1-18 GHz	ETS	3117	T136	03/03/16
Antenna, Horn, 1-18 GHz	ETS	3117	T345	03/03/16
Antenna, Horn,18- 26 GHz	ARA	MWH-1826/B	C00946	11/12/15
Antenna, Horn, 26-40 GHz	ARA	MWH-2640	C00891	06/28/16
Antenna, Bilog, 30MHz-1 GHz	Sunol Sciences	JB1	T243	03/06/16
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
AC Power Supply, 2,500VA 45-500Hz	Elgar-Ametek	CW2501M	F00013	CNR
RF Preamplifier, 1GHz - 40GHz	Miteq	NSP4000-SP2	C00990	08/20/15
Attenuator / Switch driver	HP	11713A	F00204	CNR
Low Pass Filter 3GHz	Micro-Tronics	LPS17541	F00219	05/23/16
High Pass Filter 5GHz	Micro-Tronics	HPS17542	F00222	05/22/16
High Pass Filter 6GHz	Micro-Tronics	HPM17543	F00224	05/22/16
Radiated Software	UL	UL EMC	Ver 9.5, June 24, 2015	
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. MEASUREMENT METHODS

KDB 558074 D01 DTS Meas Guidance v03r03:Measurement Procedure AVGPM-G is used for power and AVGPSD-3 is used for power spectral density.

Unwanted emissions within Restricted Bands are measured using traditional radiated procedures.

Band edge emissions within Restricted Bands are measured using RMS with duty cycle factor offset method.

8. 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	42.62 dBuV/m

9. ANTENNA PORT TEST RESULTS

9.1. ON TIME, DUTY CYCLE AND MEASUREMENT METHODS

LIMITS

None; for reporting purposes only.

PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method.

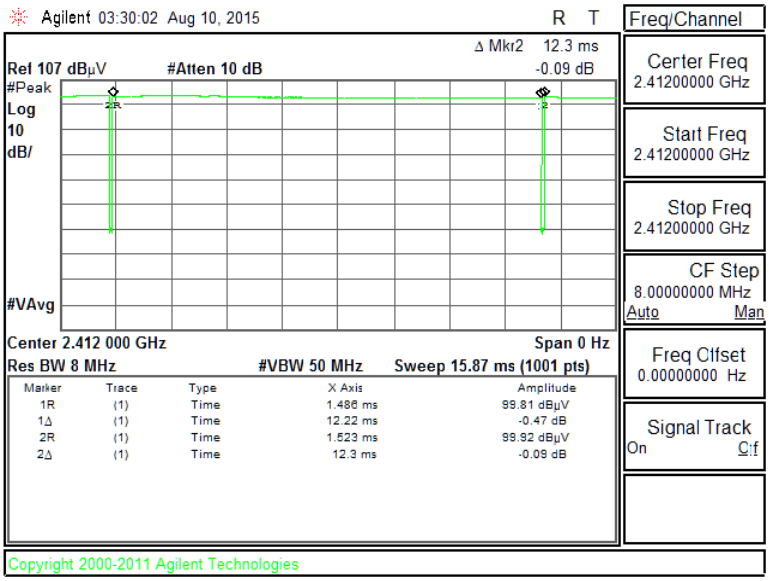
9.1.1. ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
2.4GHz Band						
802.11b CDD	12.220	12.300	0.993	99.35%	0.00	0.010
802.11g CDD	2.036	2.146	0.949	94.87%	0.23	0.491
802.11n HT20 CDD	1.863	1.976	0.943	94.28%	0.26	0.537

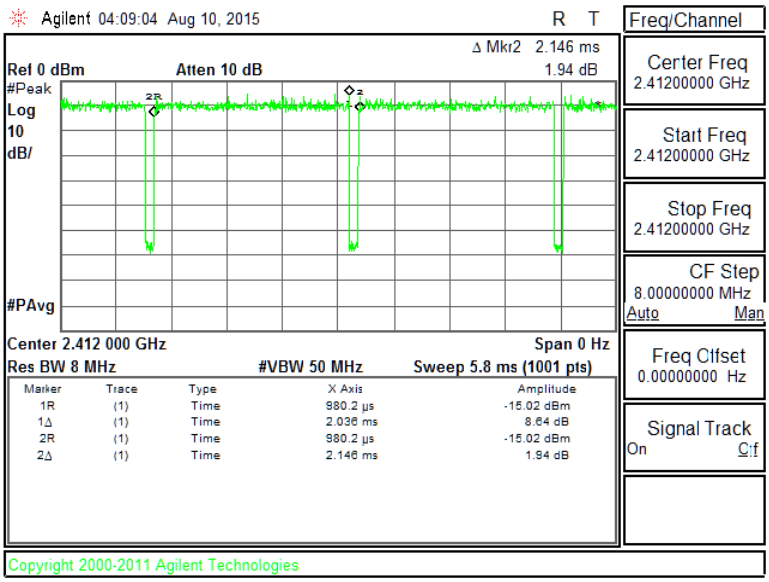
9.1.2. DUTY CYCLE PLOTS

2.4 GHz BAND

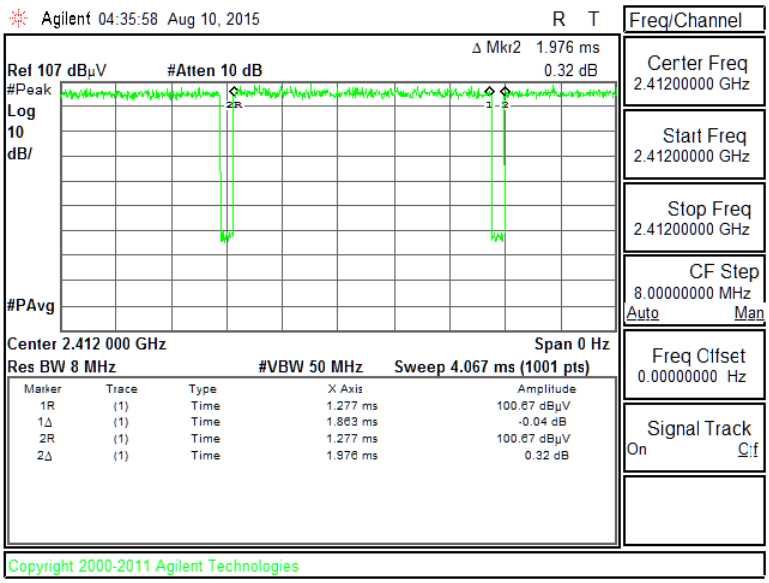
DUTY CYCLE 802.11b CDD MODE



DUTY CYCLE 802.11g CDD MODE



DUTY CYCLE 802.11n HT20 MODE



10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

IC RSS-GEN Clause 8.9 (Transmitter)

IC RSS-GEN Clause 7 (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 for below 1GHz and 150cm for above 1GHz. The antenna to EUT distance is 3 meters.

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; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor for average measurements. Duty cycle factor= 10log (1/x) For this sample B mode = 0dB (duty cycle >98%); G mode = 0.23dB; HT20 mode = 0.26dB.

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.

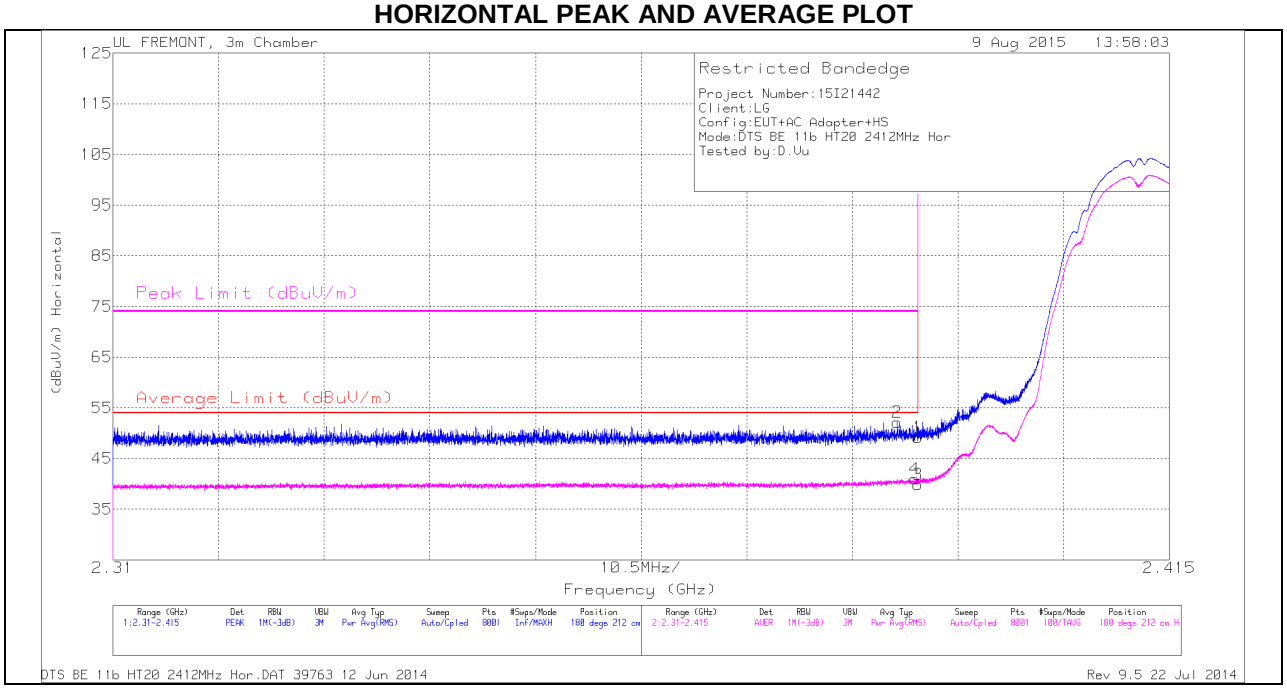
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

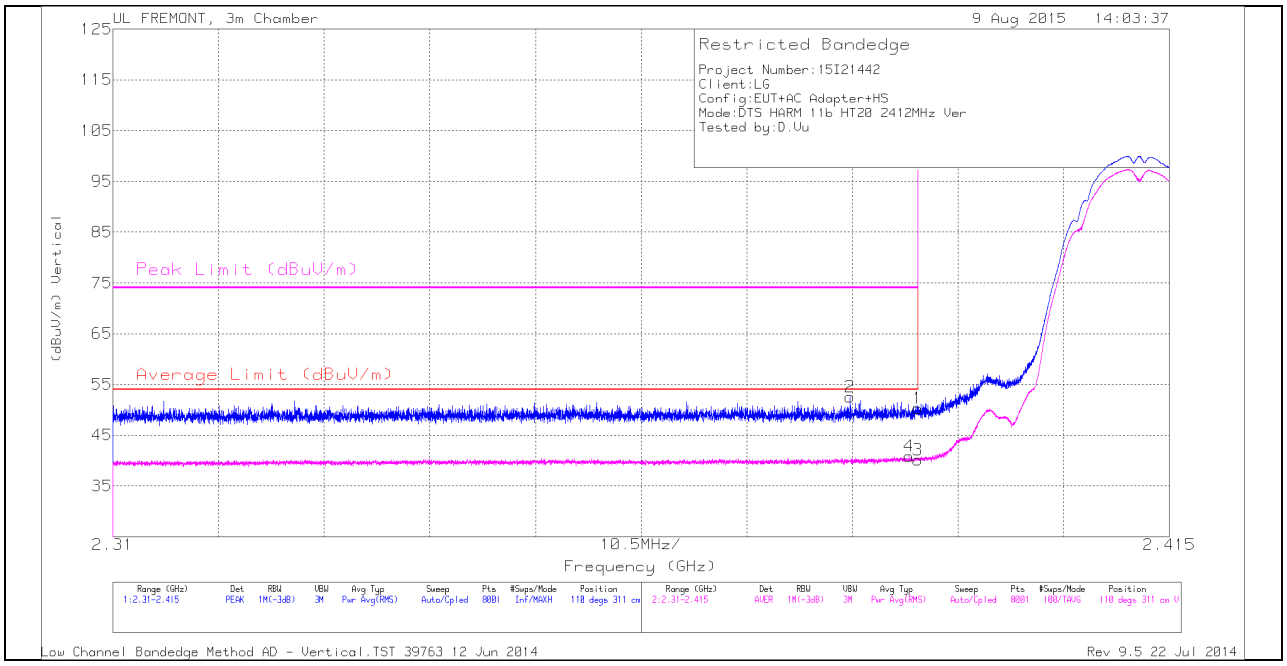
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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
2	2.388	42.5	PK	32	-22.4	0	52.1	-	-	74	-21.9	180	212	H
1	2.39	39.57	PK	32	-22.4	0	49.17	-	-	74	-24.83	180	212	H
3	2.39	30.26	RMS	32	-22.4	0	39.86	54	-14.14	-	-	180	212	H
4	2.39	31.37	RMS	32	-22.4	0	40.97	54	-13.03	-	-	180	212	H

VERTICAL PEAK AND AVERAGE PLOT

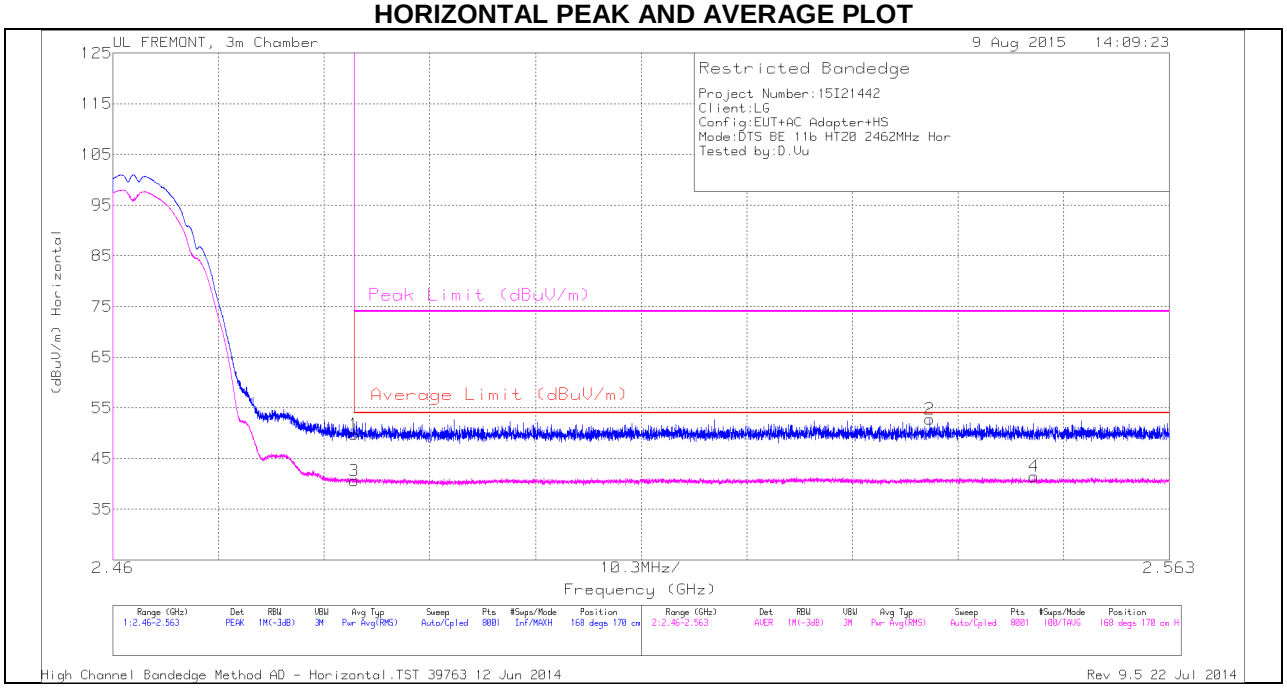


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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
2	2.383	42.87	PK	32	-22.4	0	52.47	-	-	74	-21.53	110	311	V
4	2.389	31.27	RMS	32	-22.4	0	40.87	54	-13.13	-	-	110	311	V
1	2.39	40.73	PK	32	-22.4	0	50.33	-	-	74	-23.67	110	311	V
3	2.39	30.51	RMS	32	-22.4	0	40.11	54	-13.89	-	-	110	311	V

AUTHORIZED BANDEDGE (HIGH CHANNEL)

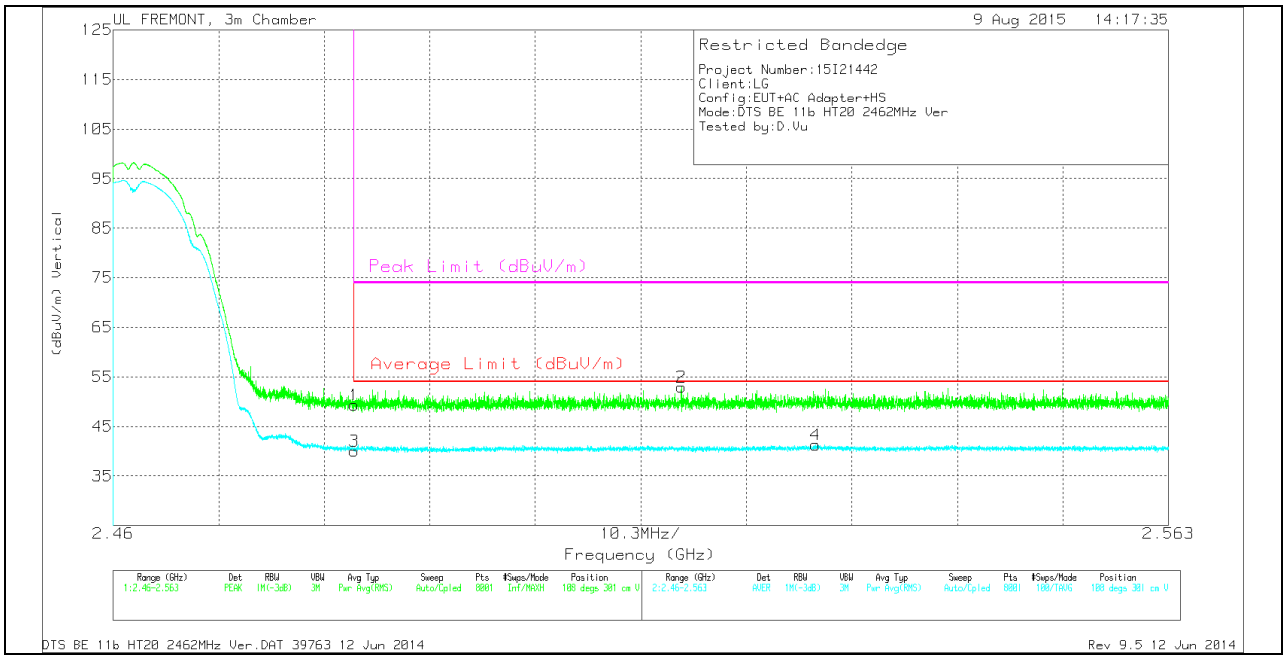
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.56	PK	32.3	-22.1	0	49.76	-	-	74	-24.24	168	170	H
3	2.484	30.42	RMS	32.3	-22.1	0	40.62	54	-13.38	-	-	168	170	H
2	2.54	42.29	PK	32.4	-21.9	0	52.79	-	-	74	-21.21	168	170	H
4	2.55	31.07	RMS	32.4	-22	0	41.47	54	-12.53	-	-	168	170	H

VERTICAL PEAK AND AVERAGE PLOT

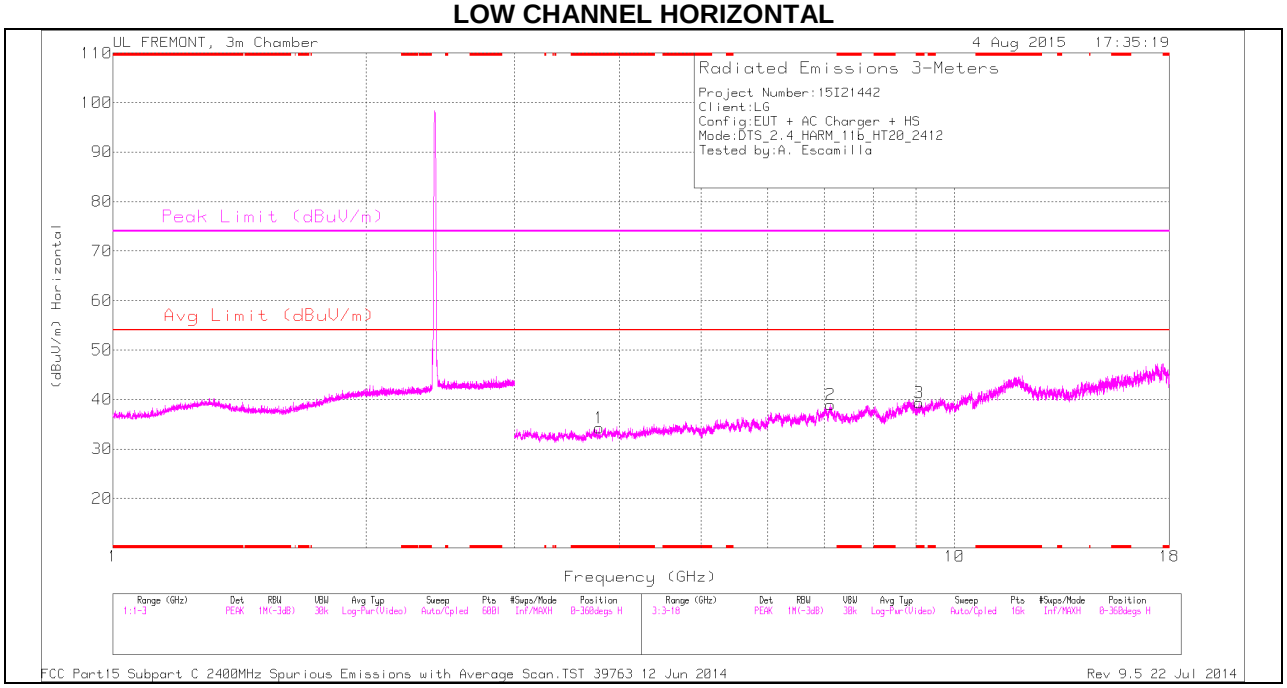


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.12	PK	32.3	-22.1	0	49.32	-	-	74	-24.68	108	301	V
3	2.484	29.83	RMS	32.3	-22.1	0	40.03	54	-13.97	-	-	108	301	V
2	2.515	42.63	PK	32.3	-22	0	52.93	-	-	74	-21.07	108	301	V
4	2.529	30.88	RMS	32.4	-22	0	41.28	54	-12.72	-	-	108	301	V

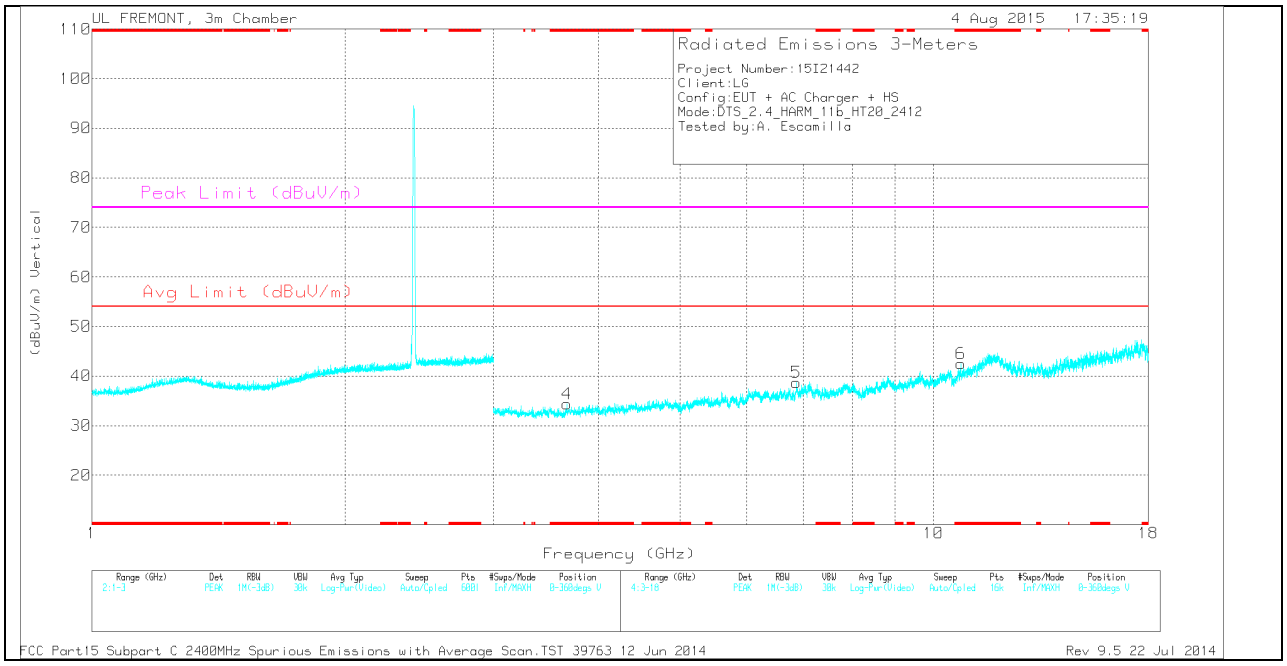
HARMONICS AND SPURIOUS EMISSIONS

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
1	* 3.781	31.41	PK	33.1	-30.3	0	34.21	-	-	74	-39.79	0-360	200	H
3	* 9.083	28.57	PK	36.1	-25.3	0	39.37	-	-	74	-34.63	0-360	200	H
4	* 3.669	31.51	PK	32.9	-30	0	34.41	-	-	74	-39.59	0-360	200	V
6	* 10.782	28.17	PK	37.9	-23.6	0	42.47	-	-	74	-31.53	0-360	100	V
5	6.873	30.28	PK	35.6	-27.2	0	38.68	-	-	-	-	0-360	100	V
2	7.117	30.79	PK	35.6	-27.4	0	38.99	-	-	-	-	0-360	100	H

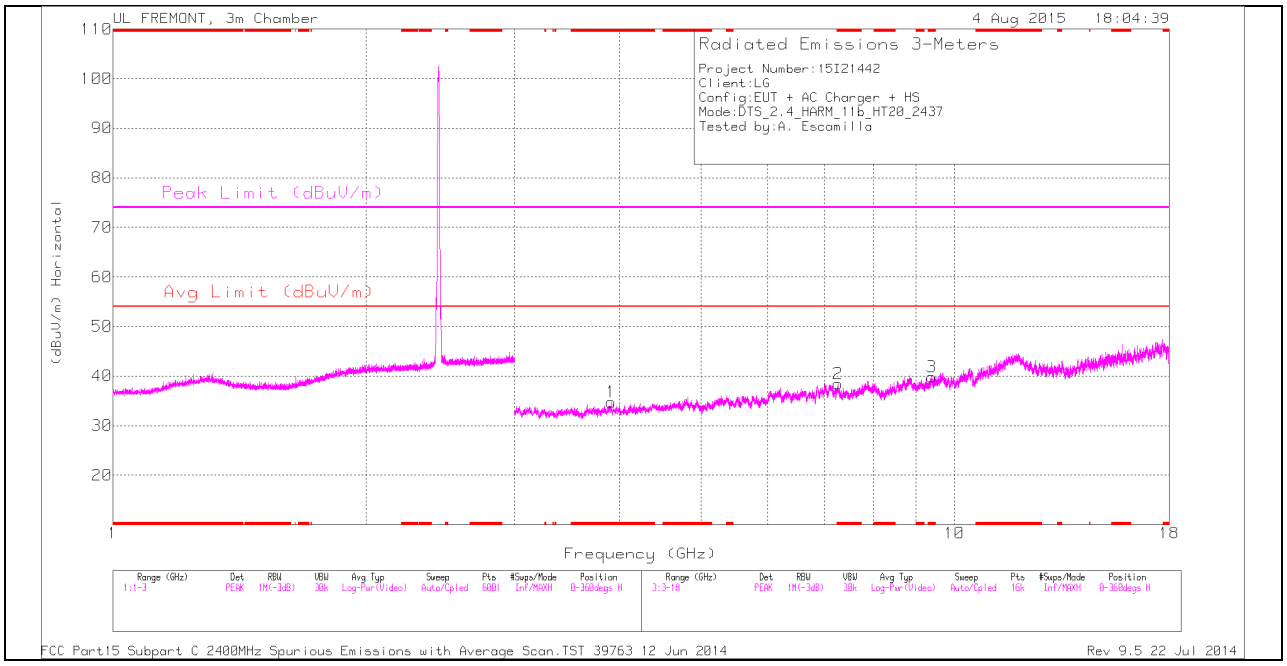
PK - Peak detector

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
* 3.779	39.87	PK2	33.1	-30.2	0	42.77	-	-	74	-31.23	32	200	H
* 3.78	28.82	MAv1	33.1	-30.3	0	31.62	54	-22.38	-	-	32	200	H
* 9.081	-893.01	PK2	36.1	-25.3	0	-882.21	-	-	74	-956.21	153	215	H
* 9.081	26	MAv1	36.1	-25.3	0	36.8	54	-17.2	-	-	153	215	H
* 3.67	40.63	PK2	32.9	-30	0	43.53	-	-	74	-30.47	203	182	V
* 3.669	29.12	MAv1	32.9	-30	0	32.02	54	-21.98	-	-	203	182	V
* 10.781	37.03	PK2	37.9	-23.6	0	51.33	-	-	74	-22.67	119	167	V
* 10.782	25.37	MAv1	37.9	-23.6	0	39.67	54	-14.33	-	-	119	167	V
6.874	39.46	PK2	35.6	-27.2	0	47.86	-	-	-	-	155	155	V
6.874	27.69	MAv1	35.6	-27.2	0	36.09	-	-	-	-	155	155	V
7.117	39.36	PK2	35.6	-27.4	0	47.56	-	-	-	-	67	181	H
7.119	27.63	MAv1	35.6	-27.3	0	35.93	-	-	-	-	67	181	H

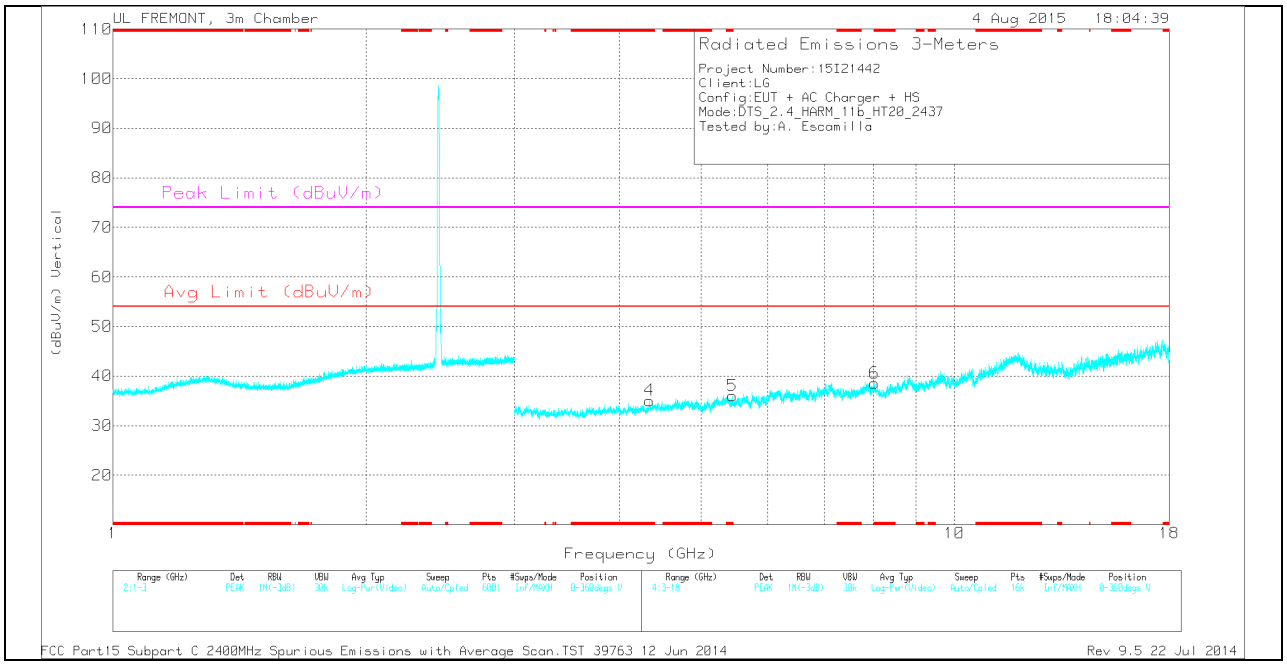
- Compliance for emission in non-restricted bands is show in conducted out of band testing

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	* 3.907	32.05	PK	33.2	-30.5	0	34.75	-	-	74	-39.25	0-360	200	H
2	* 7.27	31.21	PK	35.6	-28.4	0	38.41	-	-	74	-35.59	0-360	200	H
3	* 9.391	27.55	PK	36.4	-24.1	0	39.85	-	-	74	-34.15	0-360	100	H
4	* 4.343	30.88	PK	33.6	-29.4	0	35.08	-	-	74	-38.92	0-360	200	V
5	* 5.45	31.78	PK	34.6	-30.3	0	36.08	-	-	74	-37.92	0-360	100	V
6	* 8.03	30.2	PK	35.7	-27.3	0	38.6	-	-	74	-35.4	0-360	200	V

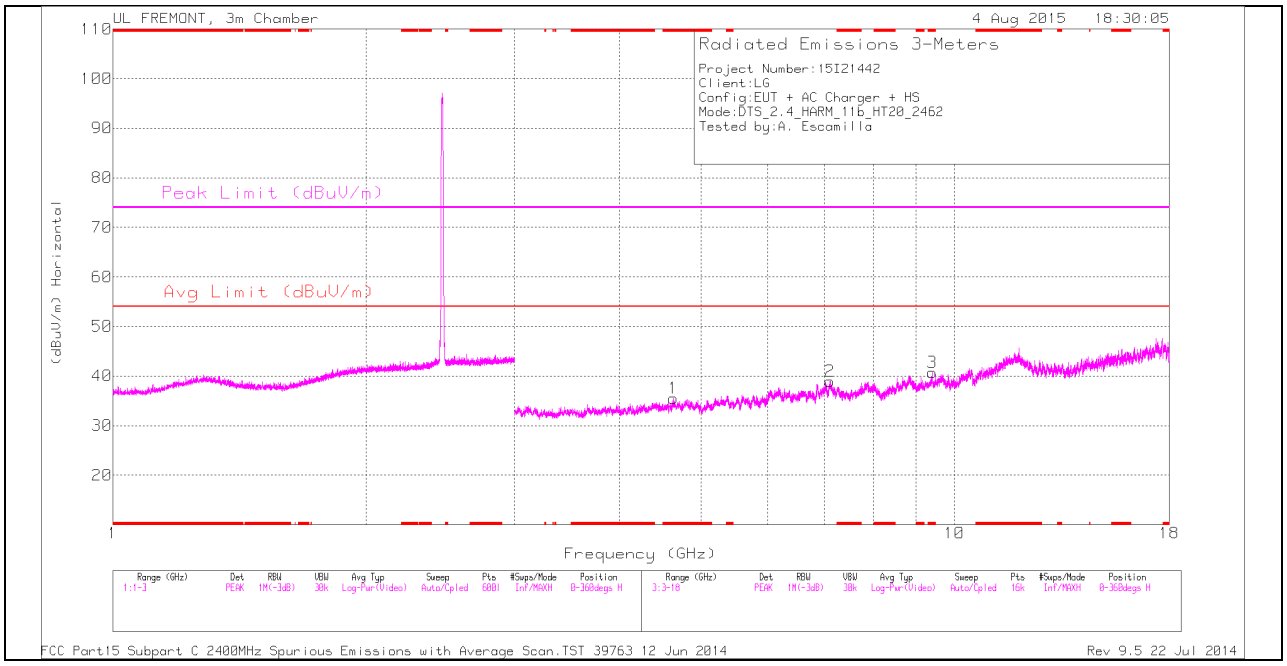
PK - Peak detector

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
* 3.908	41.06	PK2	33.2	-30.5	0	43.76	-	-	74	-30.24	9	195	H
* 3.906	29.41	MAv1	33.2	-30.5	0	32.11	54	-21.89	-	-	9	195	H
* 7.27	40.3	PK2	35.6	-28.4	0	47.5	-	-	74	-26.5	26	200	H
* 7.271	28.49	MAv1	35.6	-28.4	0	35.69	54	-18.31	-	-	26	200	H
* 9.391	36.8	PK2	36.4	-24.1	0	49.1	-	-	74	-24.9	101	134	H
* 9.39	25.25	MAv1	36.4	-24.1	0	37.55	54	-16.45	-	-	101	134	H
* 4.342	39.96	PK2	33.6	-29.4	0	44.16	-	-	74	-29.84	180	190	V
* 4.344	28.41	MAv1	33.6	-29.5	0	32.51	54	-21.49	-	-	180	190	V
* 5.45	40.36	PK2	34.6	-30.3	0	44.66	-	-	74	-29.34	347	157	V
* 5.451	29.2	MAv1	34.6	-30.3	0	33.5	54	-20.5	-	-	347	157	V
* 8.03	38.72	PK2	35.7	-27.3	0	47.12	-	-	74	-26.88	160	175	V
* 8.032	26.73	MAv1	35.7	-27.2	0	35.23	54	-18.77	-	-	160	175	V

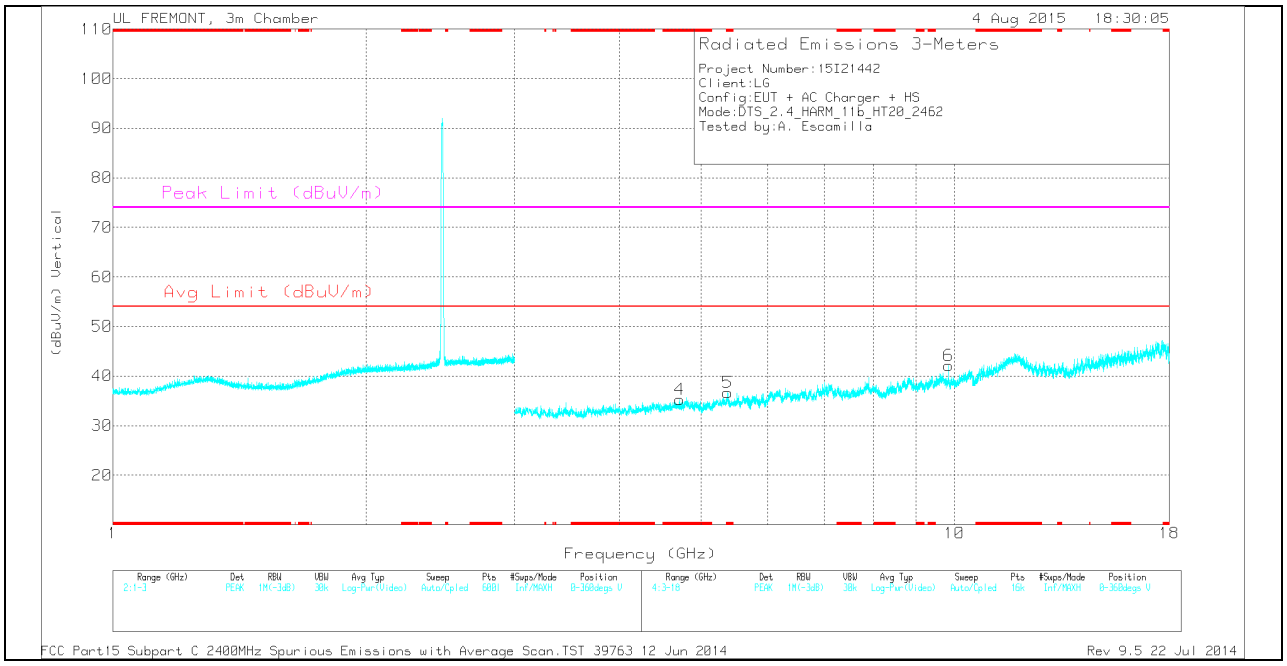
- Compliance for emission in non-restricted bands is show in conducted out of band testing

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	* 4.633	31.71	PK	33.9	-30.1	0	35.51	-	-	74	-38.49	0-360	200	H
3	* 9.406	28.32	PK	36.4	-24	0	40.72	-	-	74	-33.28	0-360	200	H
4	* 4.712	31.42	PK	34.1	-30.2	0	35.32	-	-	74	-38.68	0-360	100	V
5	* 5.377	31.57	PK	34.6	-29.5	0	36.67	-	-	74	-37.33	0-360	200	V
2	7.105	30.36	PK	35.6	-27	0	38.96	-	-	-	-	0-360	200	H
6	9.848	29.52	PK	36.9	-24.3	0	42.12	-	-	-	-	0-360	100	V

PK - Peak detector

RADIATED EMISSIONS

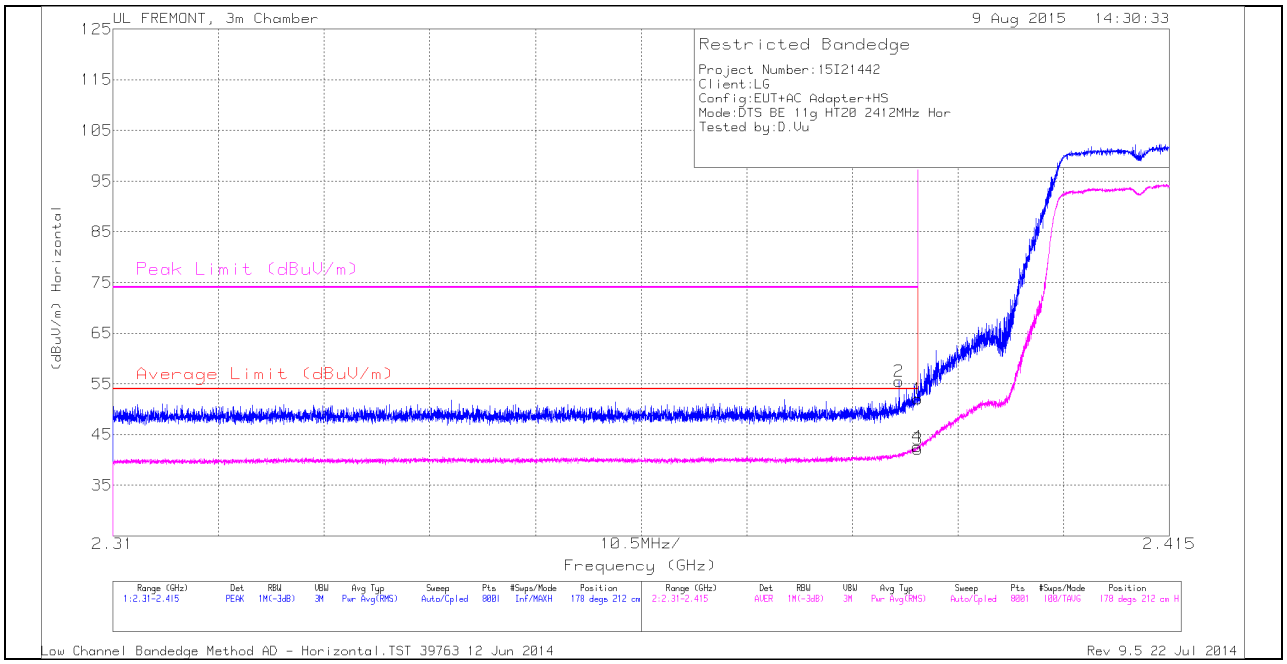
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.635	40.34	PK2	33.9	-30.1	0	44.14	-	-	74	-29.86	54	151	H
* 4.634	29.05	MAv1	33.9	-30.1	0	32.85	54	-21.15	-	-	54	151	H
* 9.405	36.77	PK2	36.4	-24	0	49.17	-	-	74	-24.83	103	200	H
* 9.405	25.44	MAv1	36.4	-24	0	37.84	54	-16.16	-	-	103	200	H
* 4.713	40.85	PK2	34.1	-30.2	0	44.75	-	-	74	-29.25	176	181	V
* 4.712	29.3	MAv1	34.1	-30.2	0	33.2	54	-20.8	-	-	176	181	V
* 5.378	40.42	PK2	34.6	-29.5	0	45.52	-	-	74	-28.48	346	217	V
* 5.379	28.58	MAv1	34.6	-29.5	0	33.68	54	-20.32	-	-	346	217	V
7.106	38.81	PK2	35.6	-27	0	47.41	-	-	-	-	36	169	H
7.106	27.24	MAv1	35.6	-27	0	35.84	-	-	-	-	36	169	H
9.848	38.51	PK2	36.9	-24.3	0	51.11	-	-	-	-	74	125	V
9.848	29.19	MAv1	36.9	-24.3	0	41.79	-	-	-	-	74	125	V

- Compliance for emission in non-restricted bands is show in conducted out of band testing

10.2.2. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

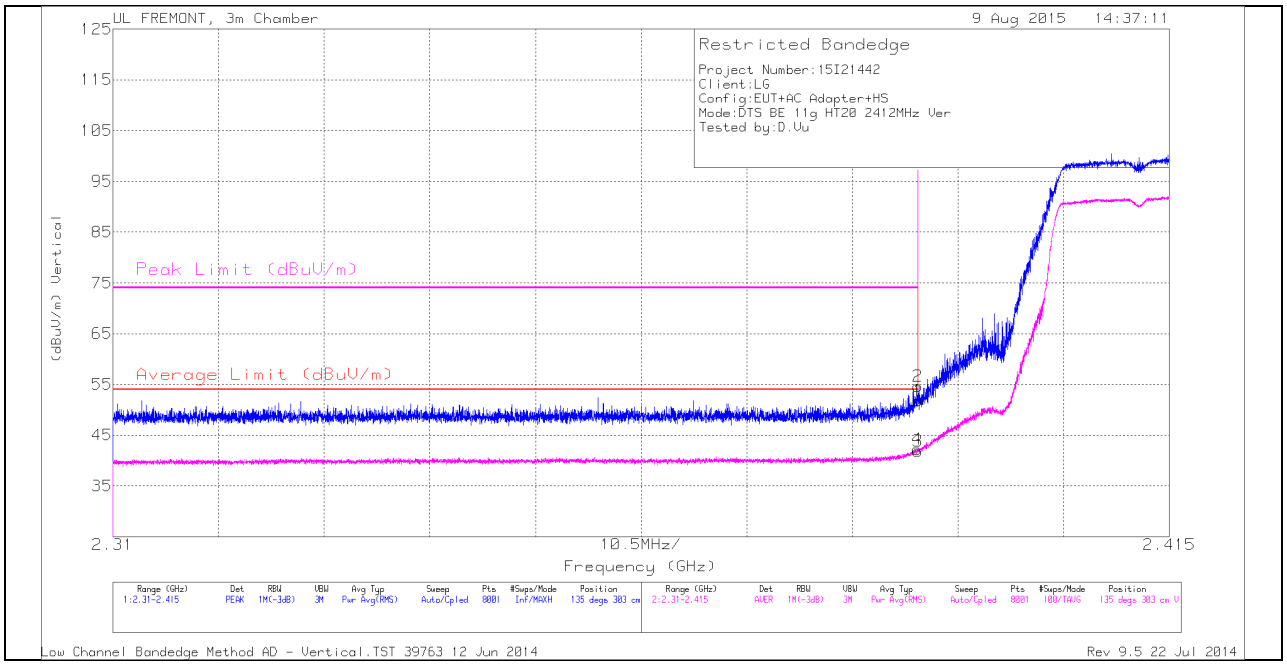
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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
2	2.388	45.85	PK	32	-22.4	0	55.45	-	-	74	-18.55	178	212	H
1	2.39	42.44	PK	32	-22.4	0	52.04	-	-	74	-21.96	178	212	H
3	2.39	32.26	RMS	32	-22.4	.23	42.09	54	-11.91	-	-	178	212	H
4	2.39	32.79	RMS	32	-22.4	.23	42.62	54	-11.38	-	-	178	212	H

VERTICAL PEAK AND AVERAGE PLOT

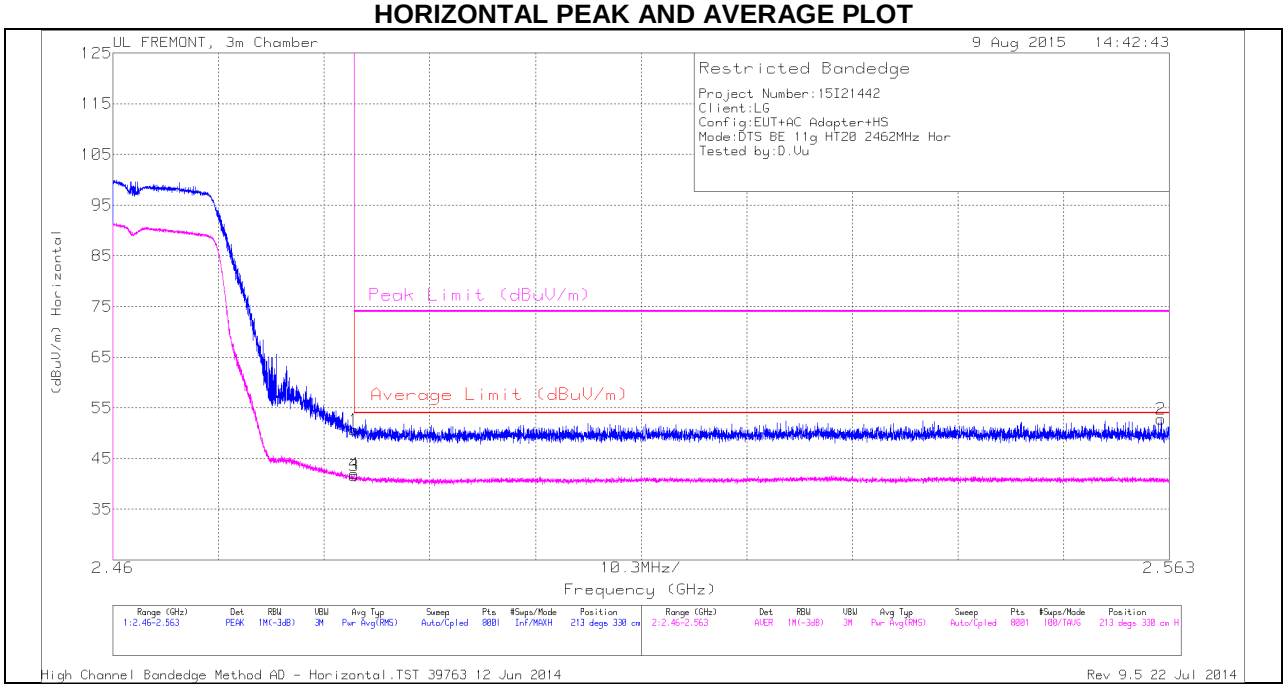


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	42.18	PK	32	-22.4	0	51.78	-	-	74	-22.22	135	303	V
2	2.39	45	PK	32	-22.4	0	54.6	-	-	74	-19.4	135	303	V
3	2.39	31.98	RMS	32	-22.4	.23	41.81	54	-12.19	-	-	135	303	V
4	2.39	32.38	RMS	32	-22.4	.23	42.21	54	-11.79	-	-	135	303	V

AUTHORIZED BANDEDGE (HIGH CHANNEL)

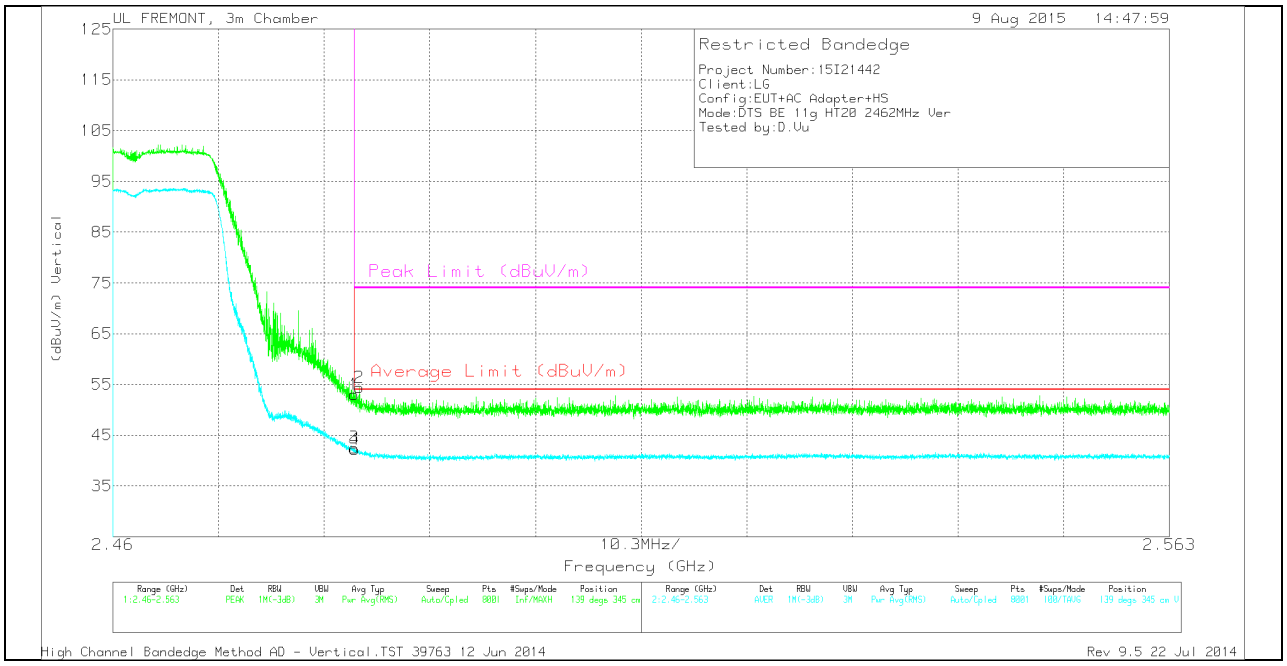
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	40.45	PK	32.3	-22.1	0	50.65	-	-	74	-23.35	213	330	H
3	2.484	31.23	RMS	32.3	-22.1	.23	41.66	54	-12.34	-	-	213	330	H
4	2.484	31.5	RMS	32.3	-22.1	.23	41.93	54	-12.07	-	-	213	330	H
2	2.562	42.41	PK	32.4	-22	0	52.81	-	-	74	-21.19	213	330	H

VERTICAL PEAK AND AVERAGE PLOT

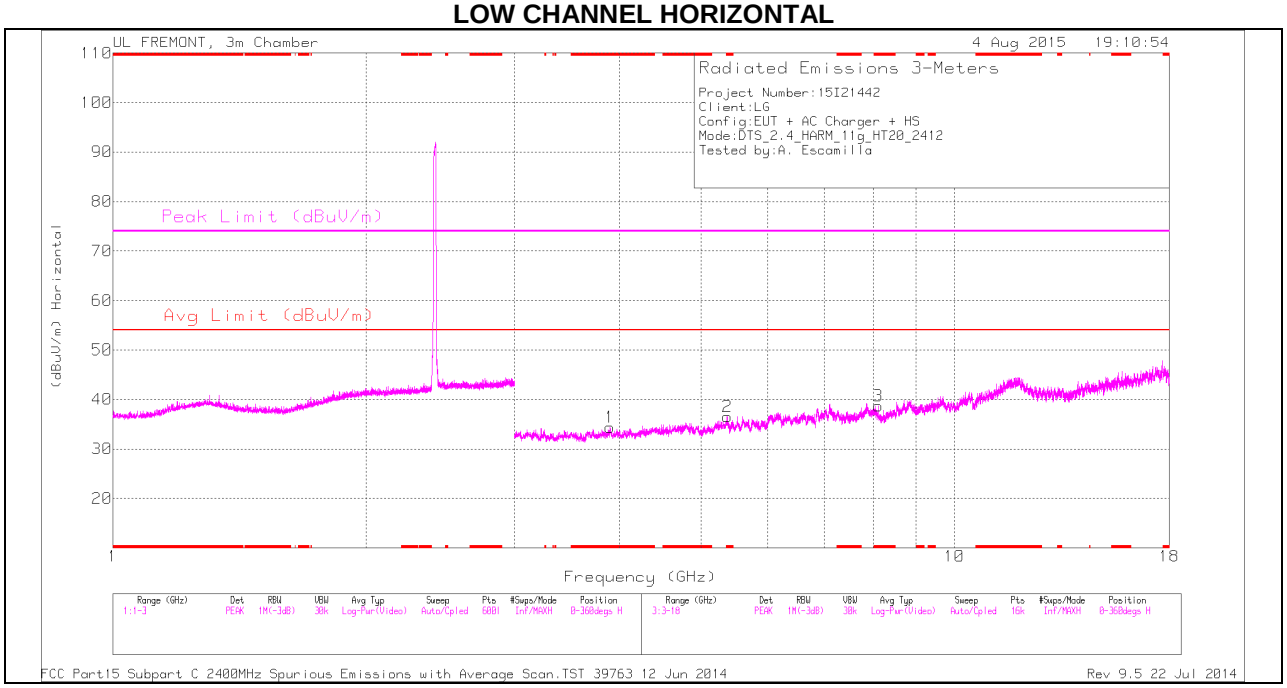


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	42.82	PK	32.3	-22.1	0	53.02	-	-	74	-20.98	139	345	V
2	2.484	44.19	PK	32.3	-22.1	0	54.39	-	-	74	-19.61	139	345	V
3	2.484	32.11	RMS	32.3	-22.1	.23	42.54	54	-11.46	-	-	139	345	V
4	2.484	31.81	RMS	32.3	-22.1	.23	42.24	54	-11.76	-	-	139	345	V

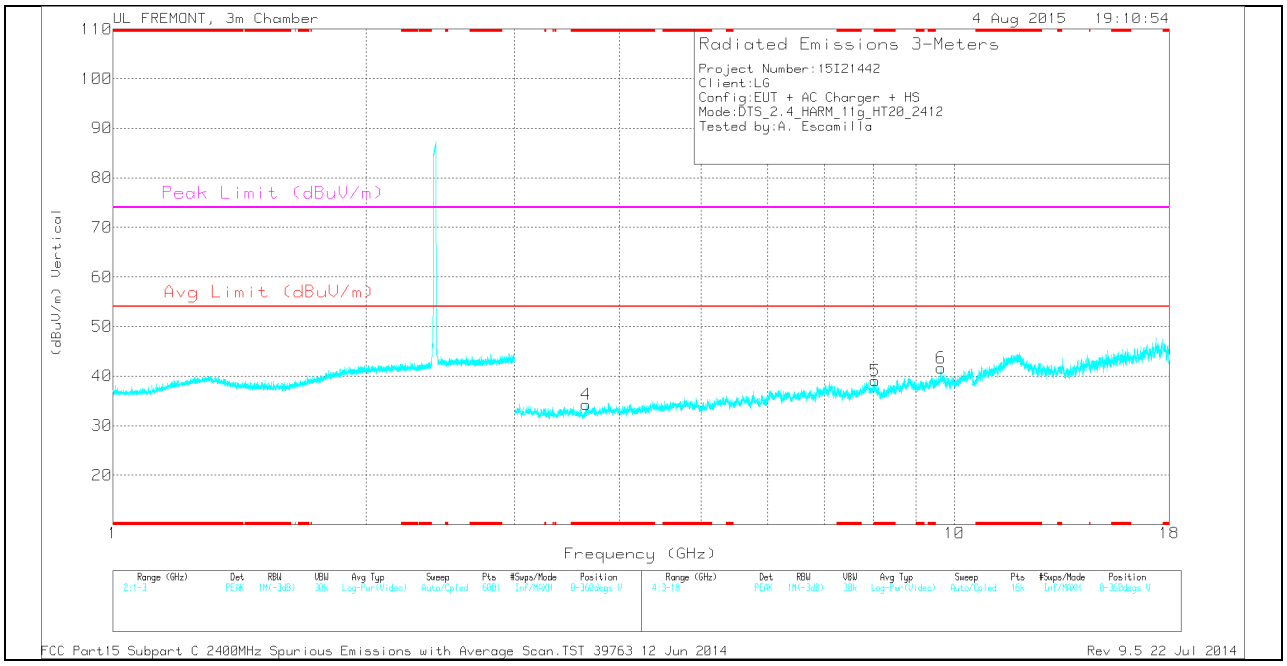
HARMONICS AND SPURIOUS EMISSIONS

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
1	* 3.895	31.4	PK	33.2	-30.2	0	34.4	-	-	74	-39.6	0-360	200	H
2	* 5.369	31.4	PK	34.5	-29.4	0	36.5	-	-	74	-37.5	0-360	100	H
3	* 8.123	29.64	PK	35.7	-26.7	0	38.64	-	-	74	-35.36	0-360	100	H
4	* 3.652	31.61	PK	32.9	-30.3	0	34.21	-	-	74	-39.79	0-360	100	V
5	* 8.046	30.07	PK	35.7	-26.7	0	39.07	-	-	74	-34.93	0-360	100	V
6	9.647	28.77	PK	36.8	-23.9	0	41.67	-	-	-	-	0-360	200	V

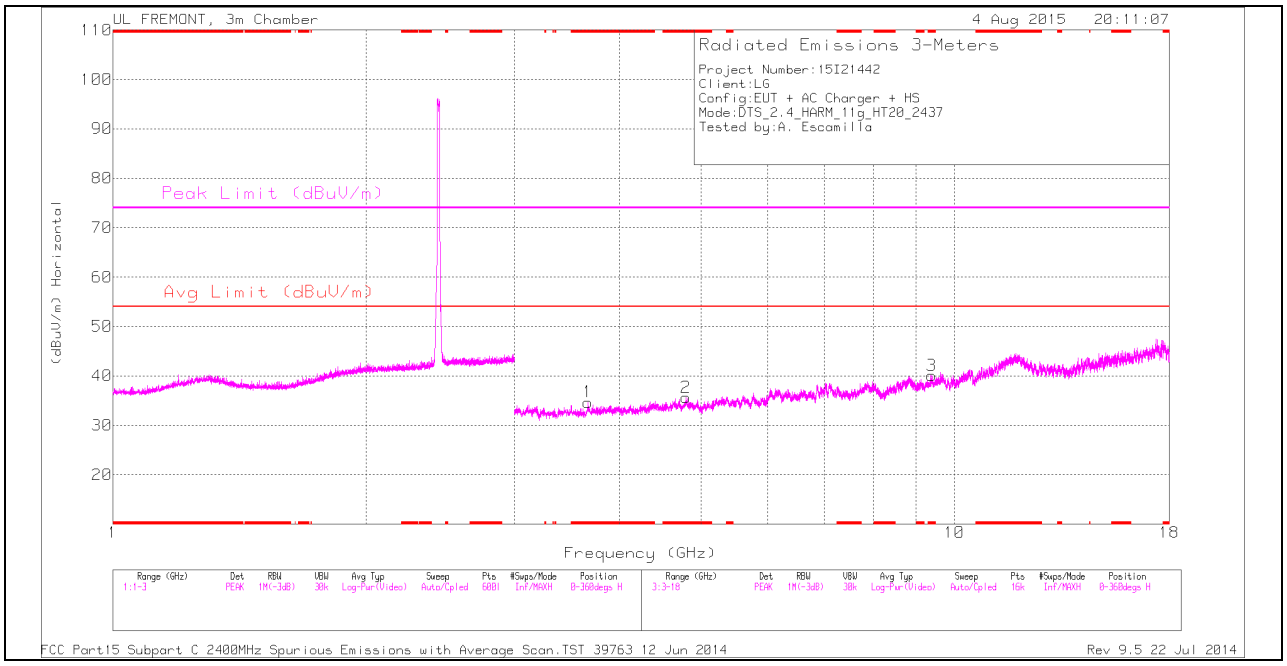
PK - Peak detector

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
* 3.895	40.59	PK2	33.2	-30.2	0	43.59	-	-	74	-30.41	2	185	H
* 3.896	29.36	MAv1	33.2	-30.3	.23	32.49	54	-21.51	-	-	2	185	H
* 5.368	40.59	PK2	34.5	-29.4	0	45.69	-	-	74	-28.31	31	166	H
* 5.371	28.85	MAv1	34.6	-29.4	.23	34.28	54	-19.72	-	-	31	166	H
* 8.125	38.2	PK2	35.7	-26.8	0	47.1	-	-	74	-26.9	97	134	H
* 8.125	26.26	MAv1	35.7	-26.8	.23	35.39	54	-18.61	-	-	97	134	H
* 3.651	40.15	PK2	32.9	-30.3	0	42.75	-	-	74	-31.25	134	115	V
* 3.652	28.78	MAv1	32.9	-30.3	.23	31.61	54	-22.39	-	-	134	115	V
* 8.047	38.06	PK2	35.7	-26.8	0	46.96	-	-	74	-27.04	96	229	V
* 8.048	26.97	MAv1	35.7	-26.8	.23	36.10	54	-17.90	-	-	96	229	V
9.648	36.4	PK2	36.8	-23.9	0	49.3	-	-	-	-	84	210	V
9.648	25.79	MAv1	36.8	-23.9	.23	38.92	-	-	-	-	84	210	V

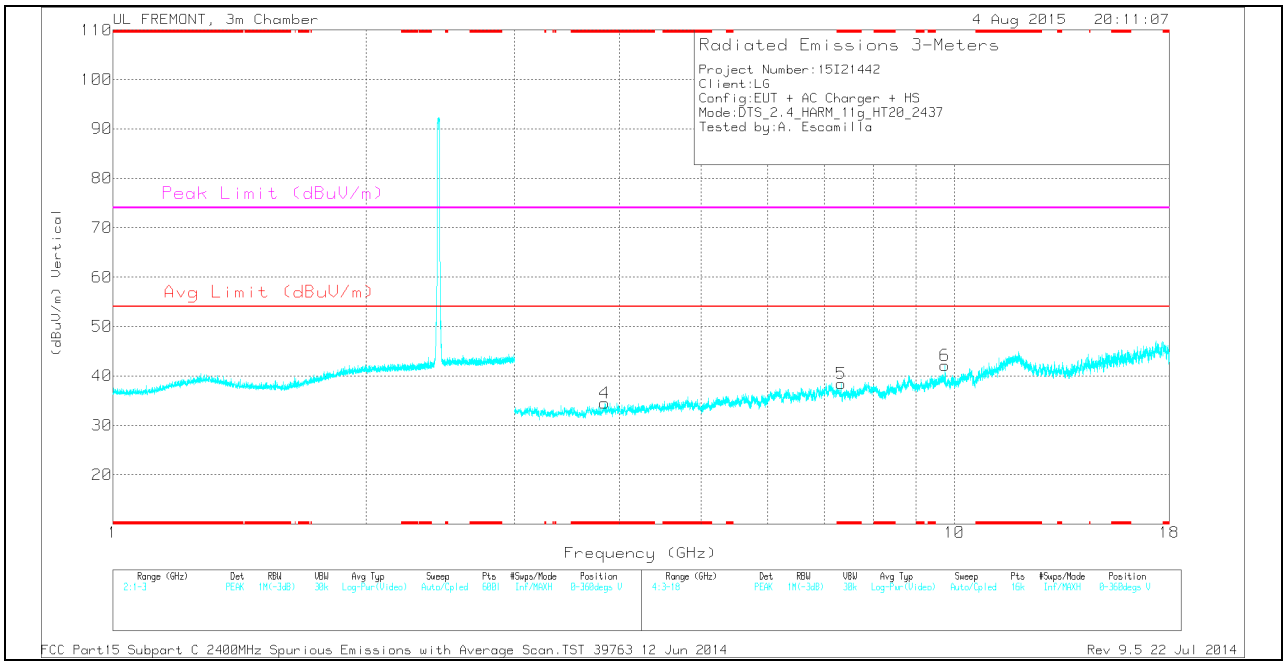
- Compliance for emission in non-restricted bands is show in conducted out of band testing

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	* 3.668	31.8	PK	32.9	-30	0	34.7	-	-	74	-39.3	0-360	200	H
2	* 4.8	31.02	PK	34	-29.4	0	35.62	-	-	74	-38.38	0-360	100	H
3	* 9.392	27.8	PK	36.4	-24.1	0	40.1	-	-	74	-33.9	0-360	200	H
4	* 3.839	31.67	PK	33.1	-30.3	0	34.47	-	-	74	-39.53	0-360	200	V
5	* 7.329	30.09	PK	35.6	-27.3	0	38.39	-	-	74	-35.61	0-360	200	V
6	9.748	29.58	PK	36.9	-24.3	0	42.18	-	-	-	-	0-360	100	V

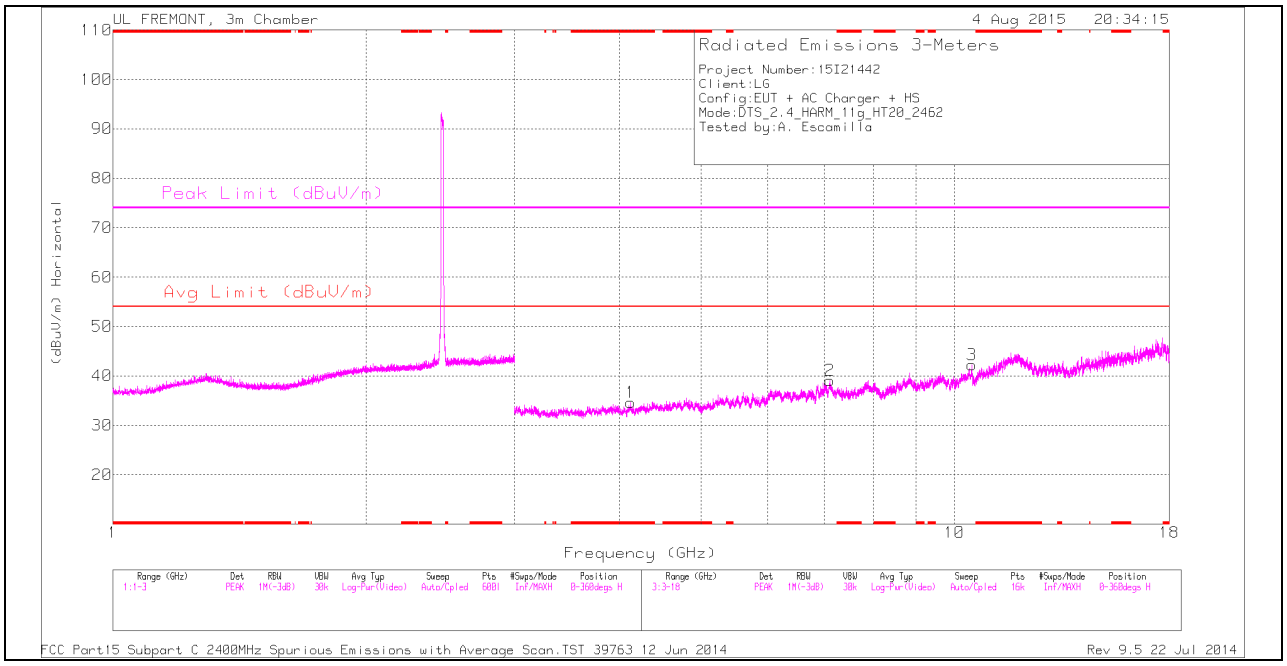
PK - Peak detector

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
* 3.67	40.15	PK2	32.9	-30	0	43.05	-	-	74	-30.95	29	184	H
* 3.67	28.87	MAv1	32.9	-30	.23	32.0	54	-22.0	-	-	29	184	H
* 4.801	40.42	PK2	34	-29.4	0	45.02	-	-	74	-28.98	61	149	H
* 4.8	28.94	MAv1	34	-29.4	.23	33.77	54	-20.23	-	-	61	149	H
* 9.392	36.63	PK2	36.4	-24.1	0	48.93	-	-	74	-25.07	100	215	H
* 9.391	25.4	MAv1	36.4	-24.1	.23	37.93	54	-16.07	-	-	100	215	H
* 3.837	40.85	PK2	33.1	-30.3	0	43.65	-	-	74	-30.35	133	186	V
* 3.837	29.31	MAv1	33.1	-30.3	.23	32.34	54	-21.66	-	-	133	186	V
* 7.33	38.46	PK2	35.6	-27.3	0	46.76	-	-	74	-27.24	177	200	V
* 7.33	26.86	MAv1	35.6	-27.3	.23	35.39	54	-18.61	-	-	177	200	V
9.748	25.77	MAv1	36.9	-24.3	.23	38.60	-	-	-	-	113	134	V
9.749	36.56	PK2	36.9	-24.3	0	49.16	-	-	-	-	113	134	V

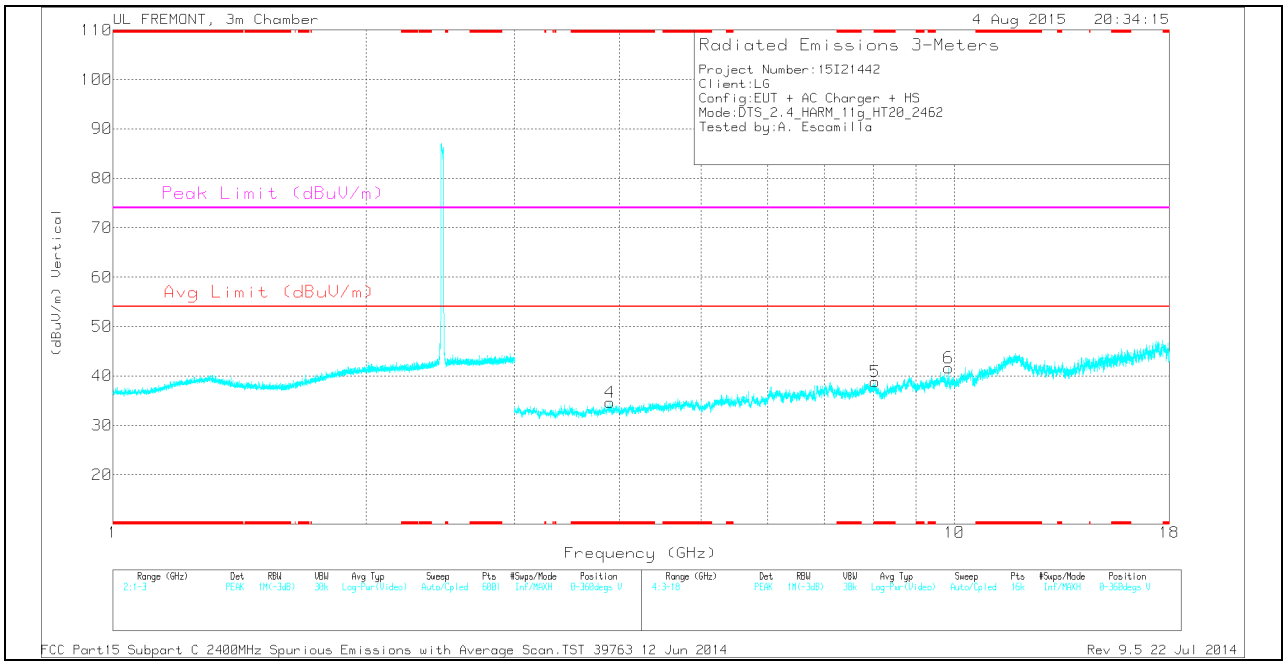
- Compliance for emission in non-restricted bands is show in conducted out of band testing

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	* 4.121	31.76	PK	33.3	-30.4	0	34.66	-	-	74	-39.34	0-360	100	H
4	* 3.893	31.77	PK	33.2	-30.3	0	34.67	-	-	74	-39.33	0-360	200	V
5	* 8.046	29.87	PK	35.7	-26.7	0	38.87	-	-	74	-35.13	0-360	100	V
2	7.107	30.55	PK	35.6	-27.1	0	39.05	-	-	-	-	0-360	100	H
6	9.848	29.07	PK	36.9	-24.3	0	41.67	-	-	-	-	0-360	200	V
3	10.481	28.4	PK	37.4	-23.6	0	42.2	-	-	-	-	0-360	200	H

PK - Peak detector

RADIATED EMISSIONS

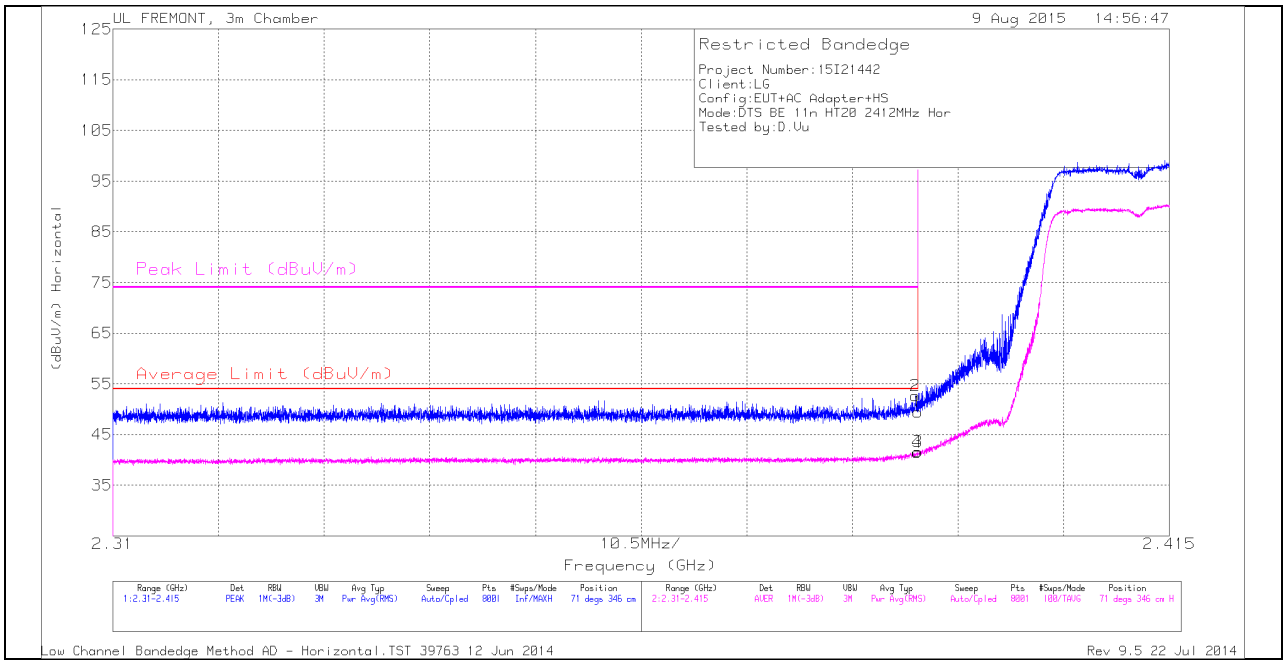
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.121	41.09	PK2	33.3	-30.4	0	43.99	-	-	74	-30.01	11	122	H
* 4.12	29.49	MAv1	33.3	-30.4	.23	32.62	54	-21.38	-	-	11	122	H
* 3.893	40.13	PK2	33.2	-30.3	0	43.03	-	-	74	-30.97	336	232	V
* 3.895	29.2	MAv1	33.2	-30.2	.23	32.43	54	-21.57	-	-	336	232	V
* 8.046	38.26	PK2	35.7	-26.7	0	47.26	-	-	74	-26.74	299	208	V
* 8.047	26.95	MAv1	35.7	-26.8	.23	36.08	54	-17.92	-	-	299	208	V
7.107	38.87	PK2	35.6	-27.1	0	47.37	-	-	-	-	42	156	H
7.109	27.06	MAv1	35.6	-27.1	.23	35.79	-	-	-	-	42	156	H
9.848	37.1	PK2	36.9	-24.3	0	49.7	-	-	-	-	283	182	V
9.848	26.38	MAv1	36.9	-24.3	.23	39.21	-	-	-	-	283	182	V
10.482	36.88	PK2	37.4	-23.6	0	50.68	-	-	-	-	113	191	H
10.483	24.77	MAv1	37.4	-23.6	.23	38.80	-	-	-	-	113	191	H

- Compliance for emission in non-restricted bands is show in conducted out of band testing

10.2.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

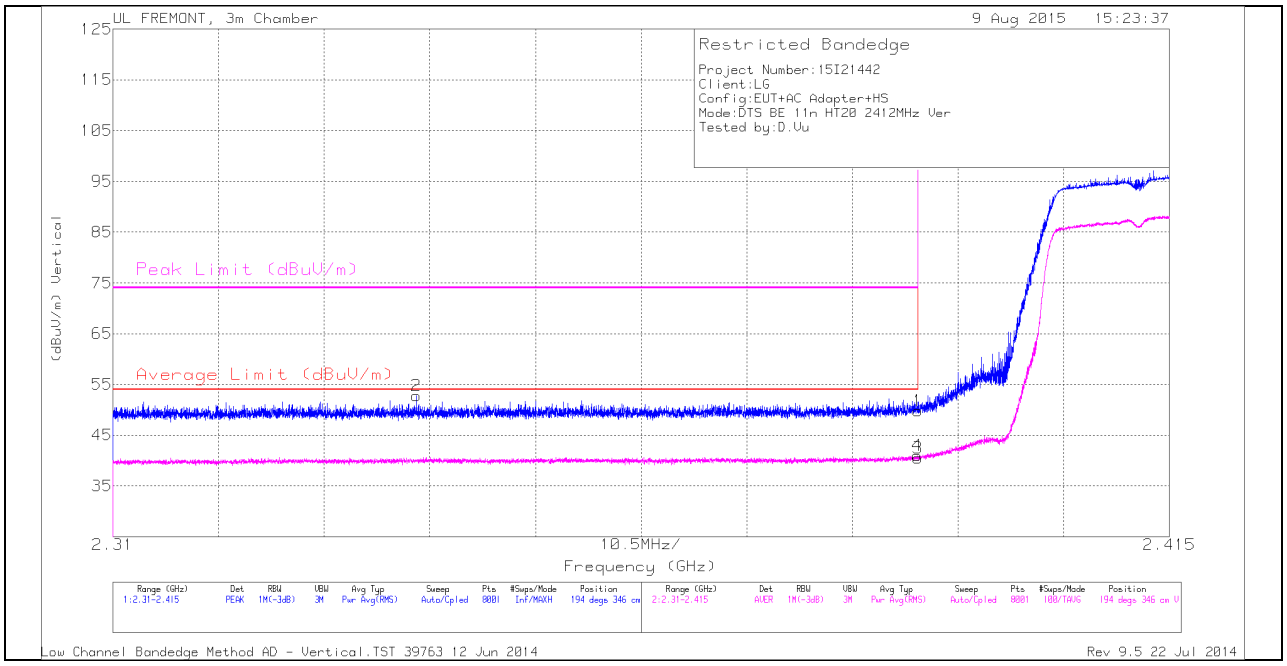
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.79	PK	32	-22.4	0	49.39	-	-	74	-24.61	71	346	H
2	2.39	43.1	PK	32	-22.4	0	52.7	-	-	74	-21.3	71	346	H
3	2.39	31.76	RMS	32	-22.4	.26	41.62	54	-12.38	-	-	71	346	H
4	2.39	31.57	RMS	32	-22.4	.26	41.43	54	-12.57	-	-	71	346	H

VERTICAL PEAK AND AVERAGE PLOT

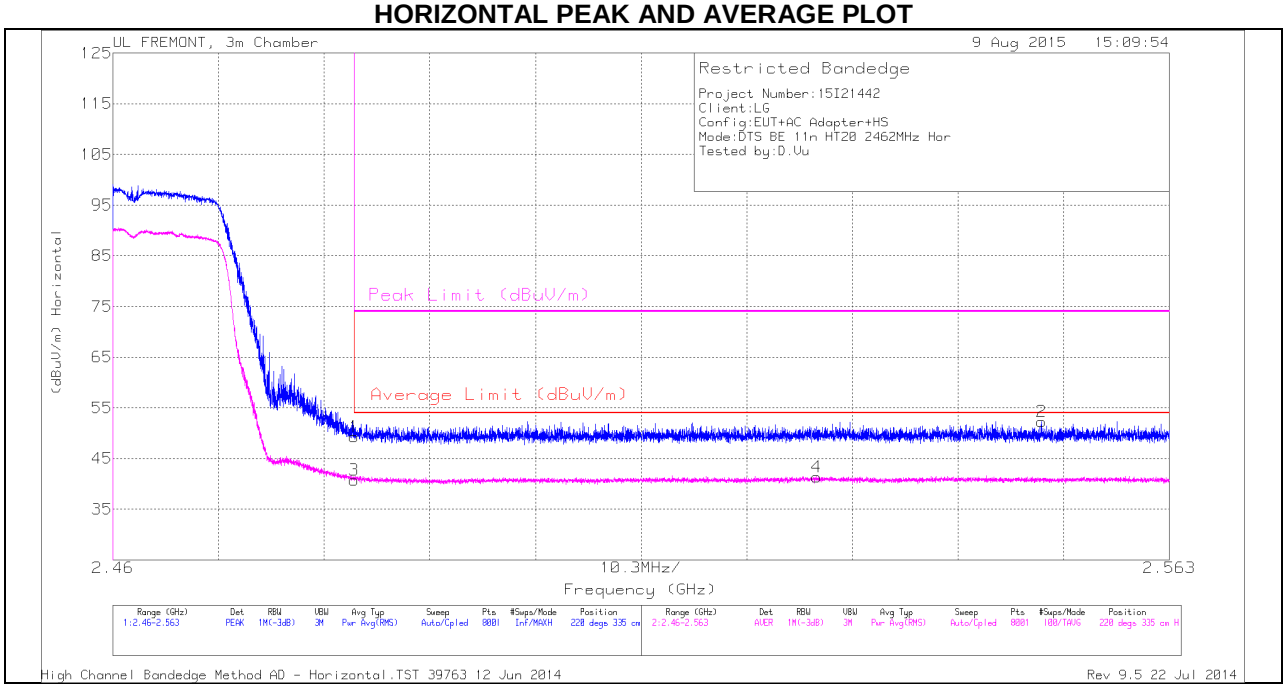


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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
2	2.34	43.39	PK	31.8	-22.4	0	52.79	-	-	74	-21.21	194	346	V
1	2.39	40.19	PK	32	-22.4	0	49.79	-	-	74	-24.21	194	346	V
3	2.39	30.63	RMS	32	-22.4	.26	40.49	54	-13.51	-	-	194	346	V
4	2.39	31.17	RMS	32	-22.4	.26	40.94	54	-13.06	-	-	194	346	V

AUTHORIZED BANDEDGE (HIGH CHANNEL)

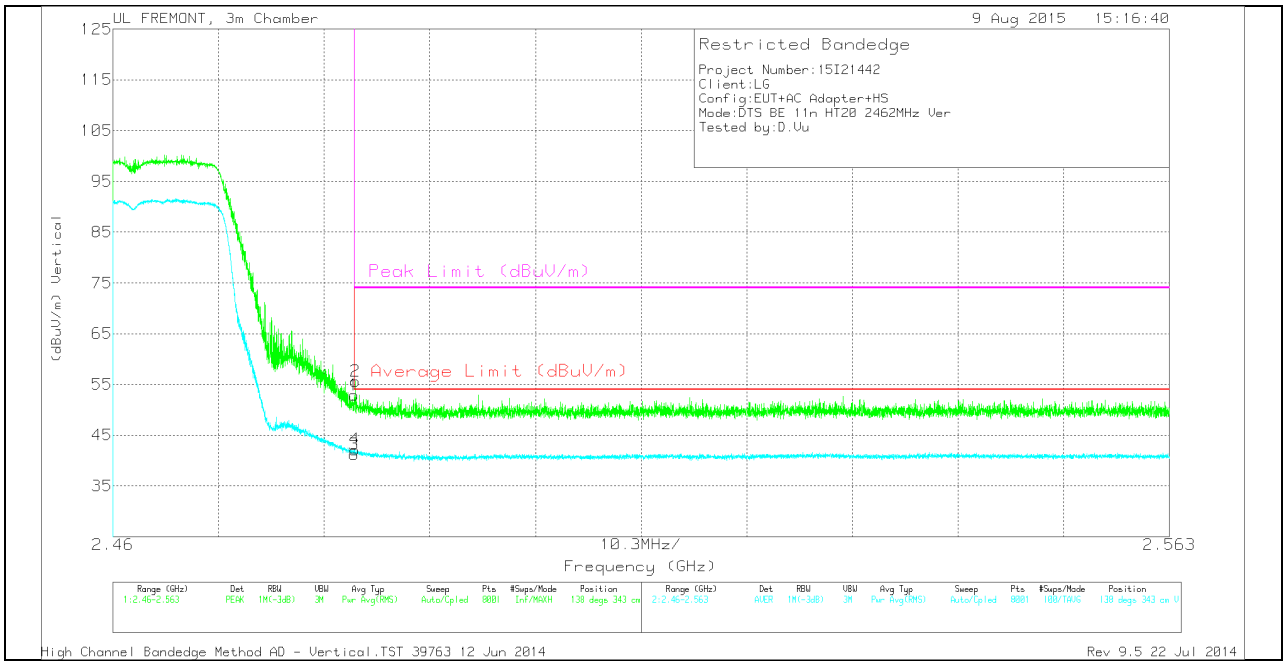
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.1	PK	32.3	-22.1	0	49.3	-	-	74	-24.7	220	335	H
3	2.484	30.58	RMS	32.3	-22.1	.26	41.04	54	-12.96	-	-	220	335	H
4	2.529	31	RMS	32.4	-22	.26	41.84	54	-12.16	-	-	220	335	H
2	2.551	41.91	PK	32.4	-22	0	52.31	-	-	74	-21.69	220	335	H

VERTICAL PEAK AND AVERAGE PLOT

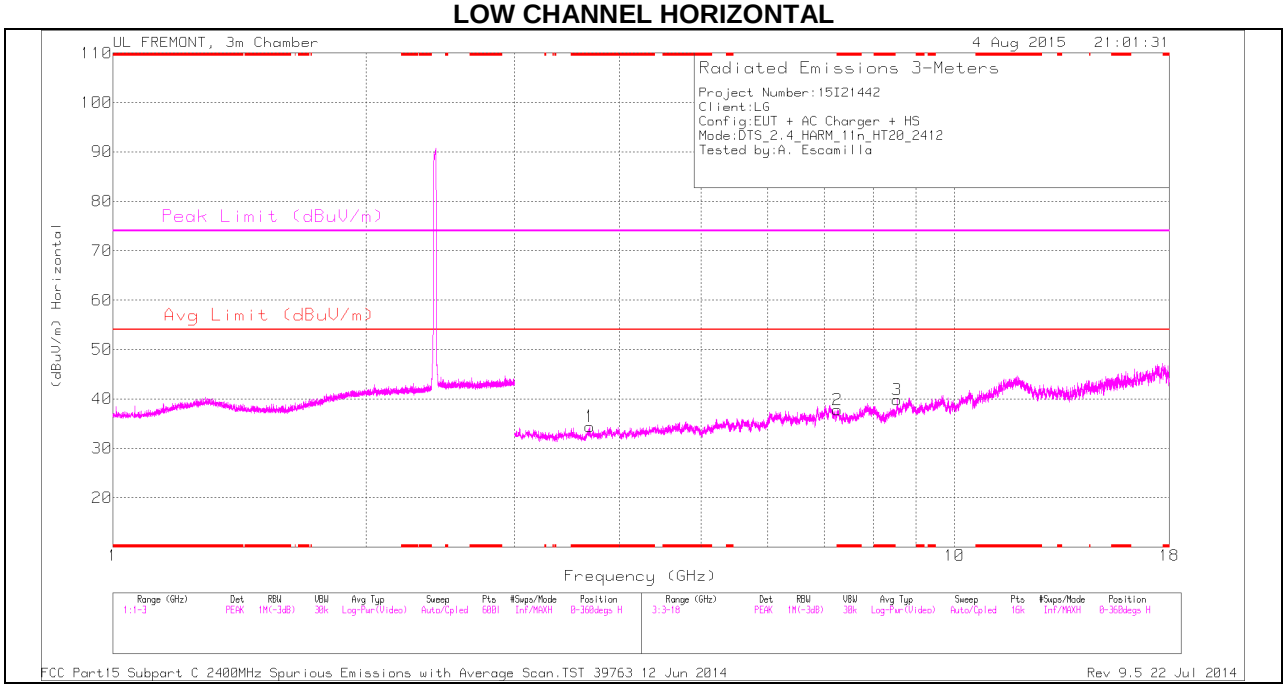


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	42.69	PK	32.3	-22.1	0	52.89	-	-	74	-21.11	138	343	V
2	2.484	45.45	PK	32.3	-22.1	0	55.65	-	-	74	-18.35	138	343	V
3	2.484	30.81	RMS	32.3	-22.1	.26	41.27	54	-12.73	-	-	138	343	V
4	2.484	31.71	RMS	32.3	-22.1	.26	42.17	54	-11.83	-	-	138	343	V

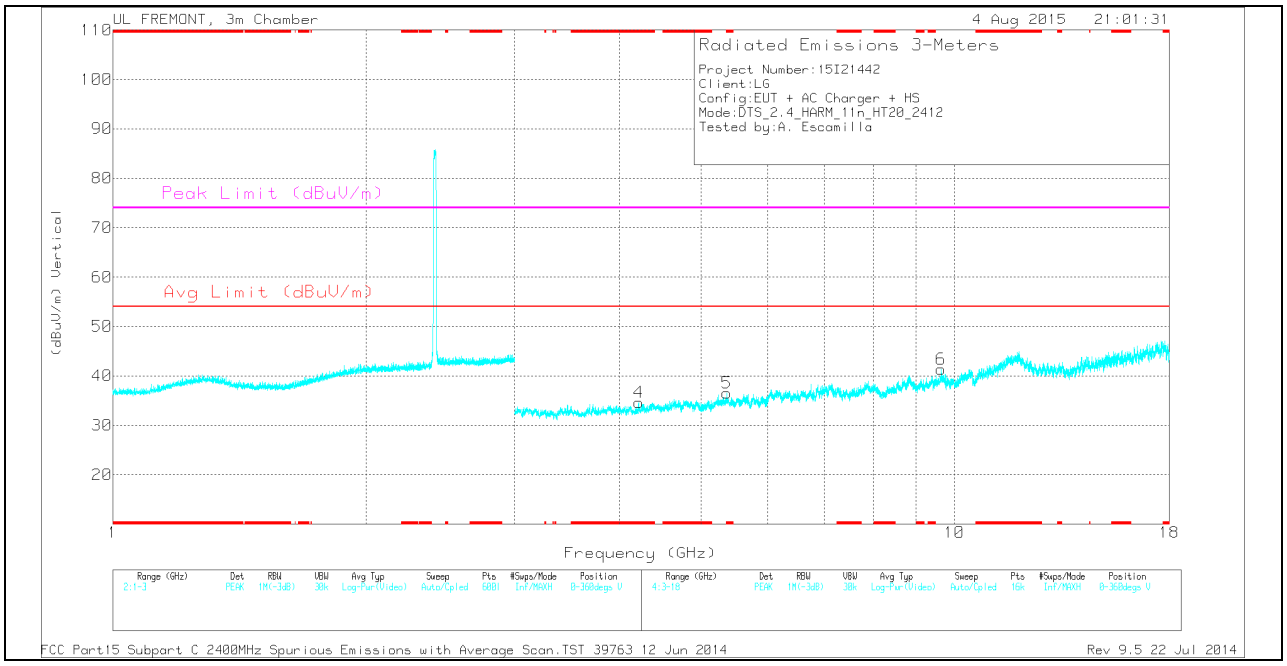
HARMONICS AND SPURIOUS EMISSIONS

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
1	* 3.684	31.54	PK	33	-30.1	0	34.44	-	-	74	-39.56	0-360	200	H
2	* 7.257	30.64	PK	35.6	-28.4	0	37.84	-	-	74	-36.16	0-360	200	H
4	* 4.215	31.16	PK	33.4	-29.9	0	34.66	-	-	74	-39.34	0-360	100	V
5	* 5.361	31.29	PK	34.5	-29.3	0	36.49	-	-	74	-37.51	0-360	100	V
3	8.549	30.33	PK	35.8	-26.3	0	39.83	-	-	-	-	0-360	200	H
6	9.647	28.45	PK	36.8	-23.9	0	41.35	-	-	-	-	0-360	100	V

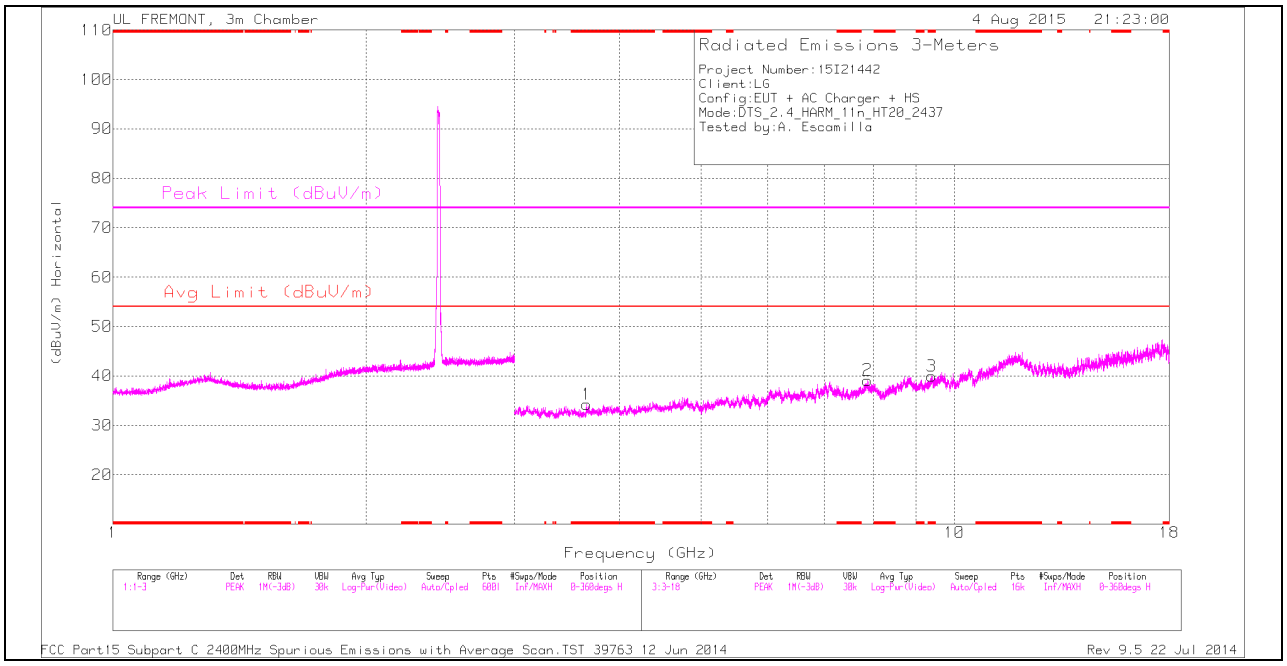
PK - Peak detector

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
* 3.686	40.11	PK2	33	-30.2	0	42.91	-	-	74	-31.09	337	191	H
* 3.683	28.85	MAv1	33	-30	.26	32.11	54	-21.89	-	-	337	191	H
* 7.259	39.39	PK2	35.6	-28.4	0	46.59	-	-	74	-27.41	314	215	H
* 7.259	28.2	MAv1	35.6	-28.4	.26	35.66	54	-18.34	-	-	314	215	H
* 4.214	39.89	PK2	33.3	-29.9	0	43.29	-	-	74	-30.71	215	147	V
* 4.215	28.72	MAv1	33.4	-29.9	.26	32.48	54	-21.52	-	-	215	147	V
* 5.36	39.75	PK2	34.5	-29.3	0	44.95	-	-	74	-29.05	127	129	V
* 5.361	28.48	MAv1	34.5	-29.3	.26	33.94	54	-19.96	-	-	127	129	V
8.547	38.41	PK2	35.8	-26.3	0	47.91	-	-	-	-	287	166	H
8.548	27.08	MAv1	35.8	-26.3	.26	36.84	-	-	-	-	287	166	H
9.648	36.77	PK2	36.8	-23.9	0	49.67	-	-	-	-	78	168	V
9.648	26.2	MAv1	36.8	-23.9	.26	39.36	-	-	-	-	78	168	V

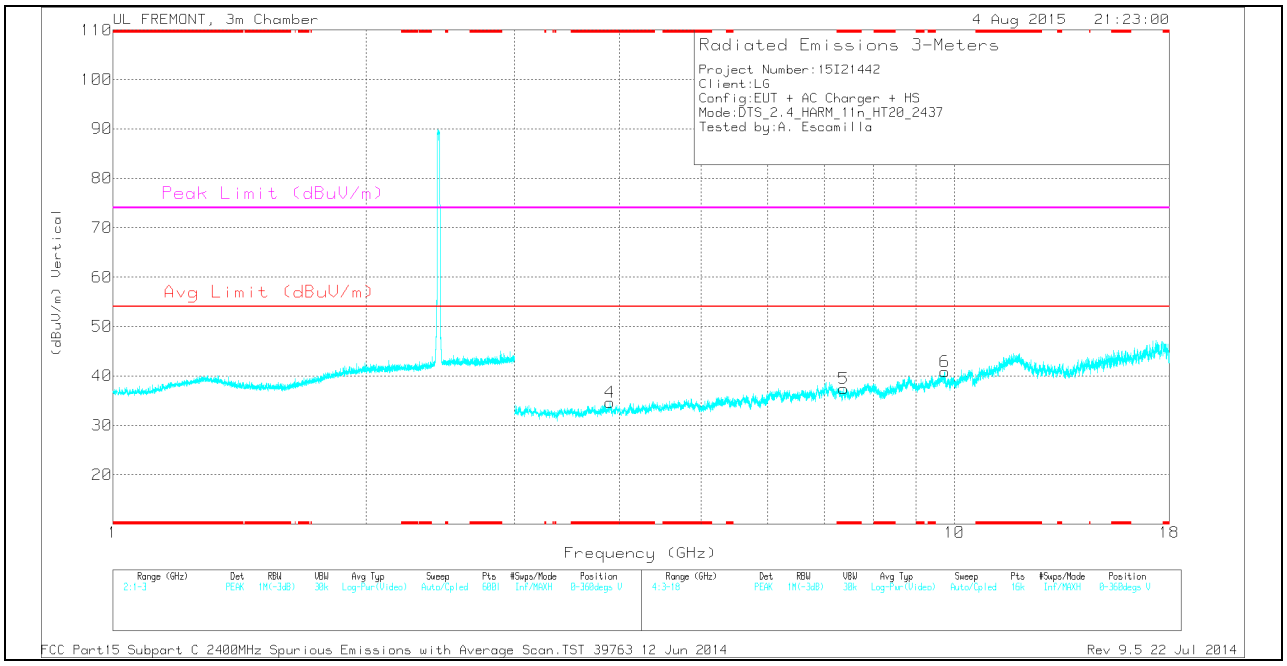
- Compliance for emission in non-restricted bands is show in conducted out of band testing

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	* 3.652	31.71	PK	32.9	-30.3	0	34.31	-	-	74	-39.69	0-360	100	H
3	* 9.39	27.69	PK	36.4	-24.1	0	39.99	-	-	74	-34.01	0-360	200	H
4	* 3.895	31.67	PK	33.2	-30.2	0	34.67	-	-	74	-39.33	0-360	200	V
5	* 7.389	29.03	PK	35.6	-27.2	0	37.43	-	-	74	-36.57	0-360	200	V
2	7.889	29.34	PK	35.8	-26	0	39.14	-	-	-	-	0-360	200	H
6	9.748	28.26	PK	36.9	-24.3	0	40.86	-	-	-	-	0-360	100	V

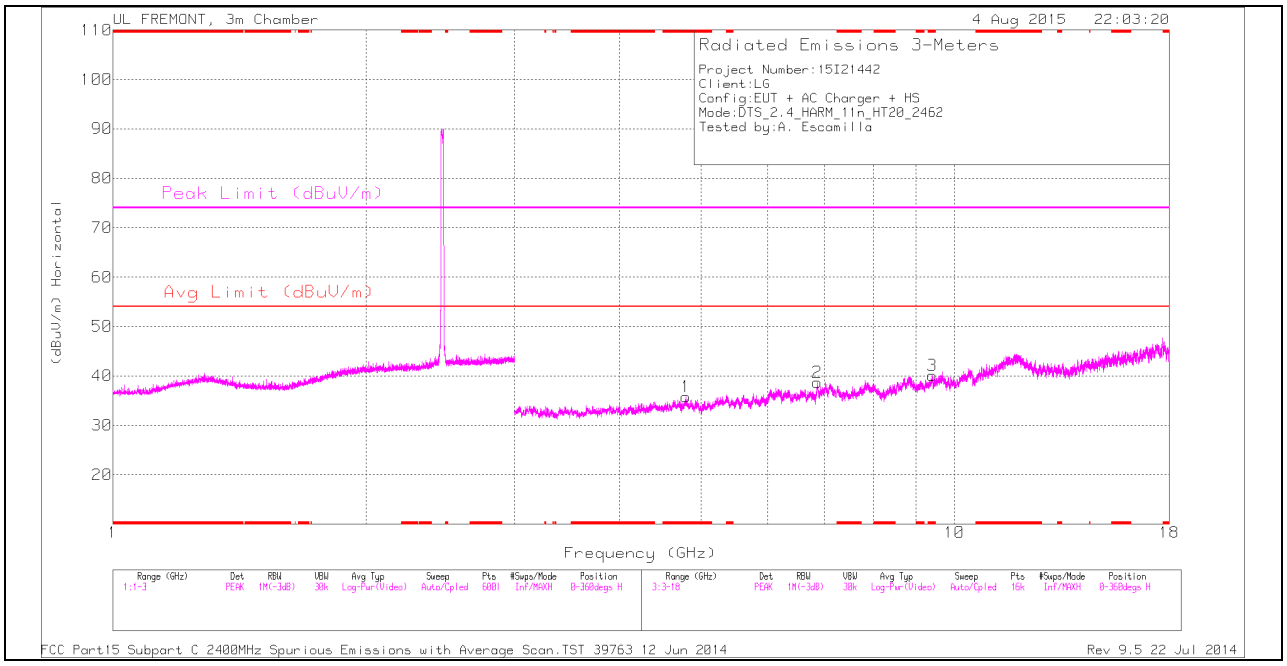
PK - Peak detector

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
* 3.651	40.51	PK2	32.9	-30.3	0	43.11	-	-	74	-30.89	14	162	H
* 3.651	28.85	MAv1	32.9	-30.3	.26	31.71	54	-22.29	-	-	14	162	H
* 9.388	36.88	PK2	36.4	-24.1	0	49.18	-	-	74	-24.82	109	217	H
* 9.388	25.36	MAv1	36.4	-24.2	.26	37.82	54	-16.18	-	-	109	217	H
* 3.895	40.76	PK2	33.2	-30.2	0	43.76	-	-	74	-30.24	168	193	V
* 3.895	29.35	MAv1	33.2	-30.2	.26	32.61	54	-21.39	-	-	168	193	V
* 7.391	38.2	PK2	35.6	-27.2	0	46.6	-	-	74	-27.4	123	175	V
* 7.39	26.93	MAv1	35.6	-27.2	.26	35.59	54	-18.41	-	-	123	175	V
7.889	26.46	MAv1	35.8	-26	.26	36.52	-	-	-	-	64	192	H
7.891	37.66	PK2	35.8	-26	0	47.46	-	-	-	-	64	192	H
9.748	36.92	PK2	36.9	-24.3	0	49.52	-	-	-	-	84	142	V
9.748	26.6	MAv1	36.9	-24.3	.26	39.42	-	-	-	-	84	142	V

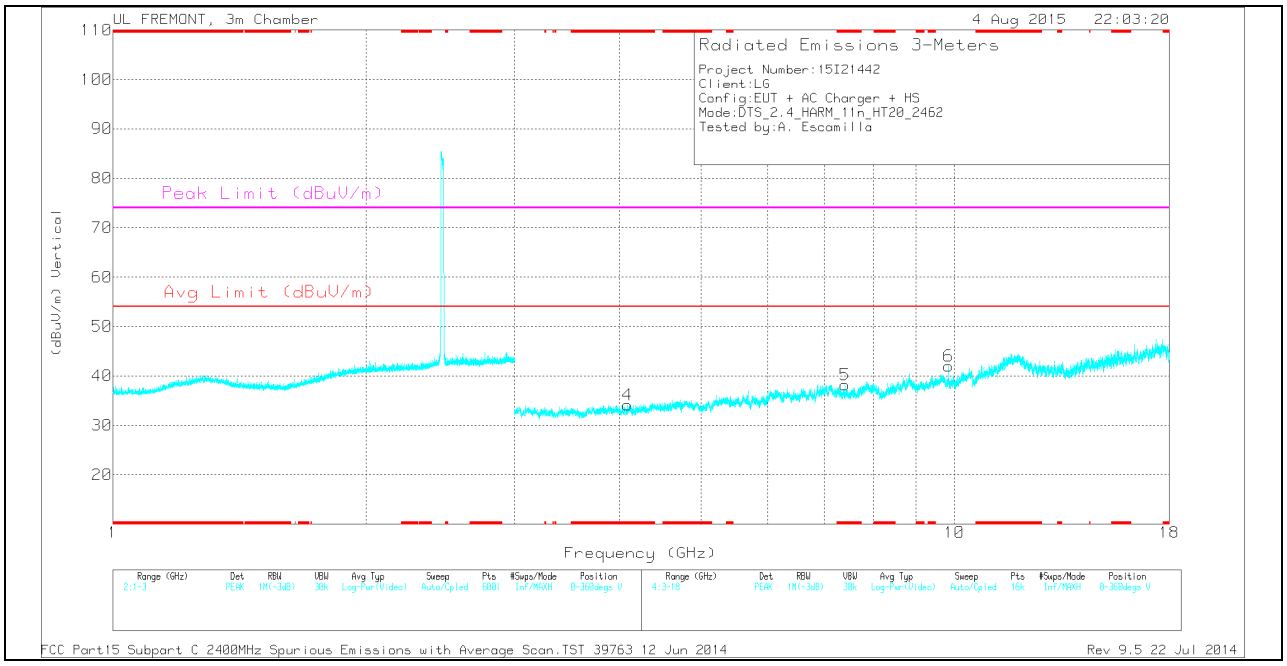
- Compliance for emission in non-restricted bands is show in conducted out of band testing

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	* 4.794	31.44	PK	34	-29.7	0	35.74	-	-	74	-38.26	0-360	100	H
3	* 9.405	27.73	PK	36.4	-24	0	40.13	-	-	74	-33.87	0-360	200	H
4	* 4.09	31.56	PK	33.3	-30.7	0	34.16	-	-	74	-39.84	0-360	200	V
5	* 7.407	30.07	PK	35.6	-27.5	0	38.17	-	-	74	-35.83	0-360	200	V
2	6.867	30.34	PK	35.6	-27.3	0	38.64	-	-	-	-	0-360	100	H
6	9.848	29.4	PK	36.9	-24.3	0	42	-	-	-	-	0-360	200	V

PK - Peak detector

RADIATED EMISSIONS

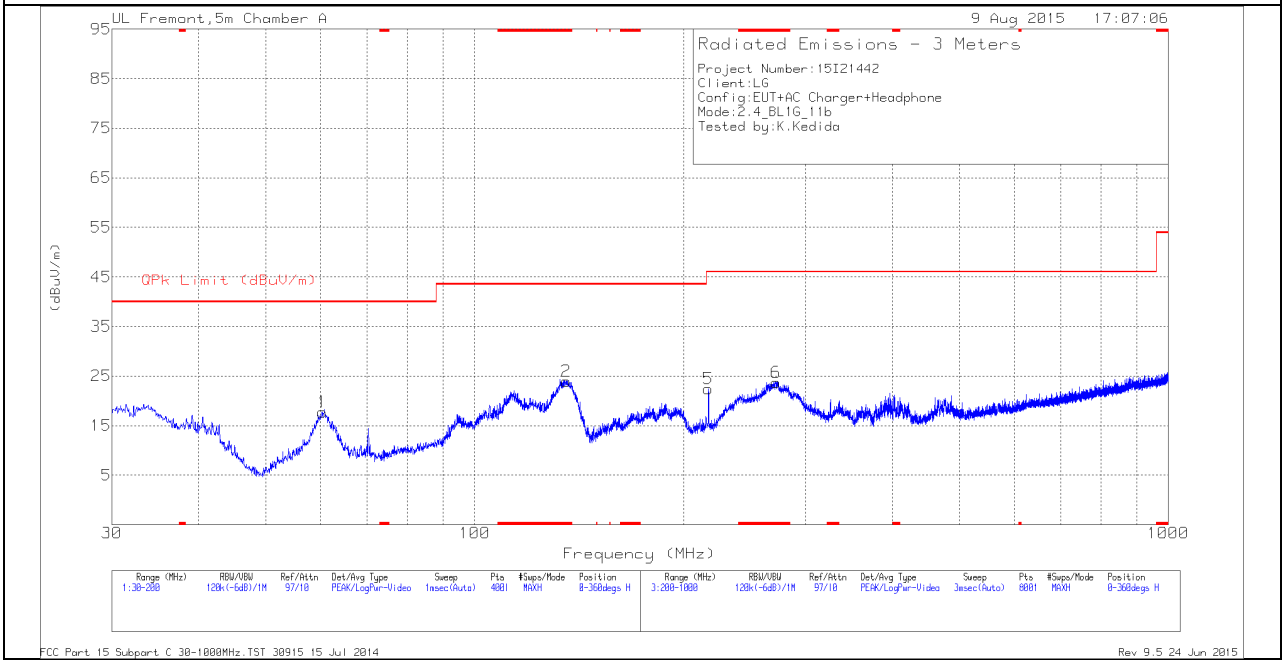
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.795	40.47	PK2	34	-29.7	0	44.77	-	-	74	-29.23	25	134	H
* 4.792	29.03	MAv1	34	-29.8	.26	33.49	54	-20.51	-	-	25	134	H
* 9.406	37.26	PK2	36.4	-24	0	49.66	-	-	74	-24.34	122	214	H
* 9.406	25.46	MAv1	36.4	-24.1	.26	38.02	54	-15.98	-	-	122	214	H
* 4.089	41.99	PK2	33.3	-30.7	0	44.59	-	-	74	-29.41	206	246	V
* 4.089	29.25	MAv1	33.3	-30.7	.26	32.11	54	-21.89	-	-	206	246	V
* 7.407	38.68	PK2	35.6	-27.5	0	46.78	-	-	74	-27.22	339	226	V
* 7.409	27.22	MAv1	35.6	-27.6	.26	35.48	54	-18.52	-	-	339	226	V
6.866	39.89	PK2	35.6	-27.4	0	48.09	-	-	-	-	64	180	H
6.868	27.89	MAv1	35.6	-27.3	.26	36.45	-	-	-	-	64	180	H
9.848	37.98	PK2	36.9	-24.3	0	50.58	-	-	-	-	358	196	V
9.848	28.2	MAv1	36.9	-24.3	.26	41.06	-	-	-	-	358	196	V

- Compliance for emission in non-restricted bands is show in conducted out of band testing

10.3. WORST-CASE BELOW 1 GHz

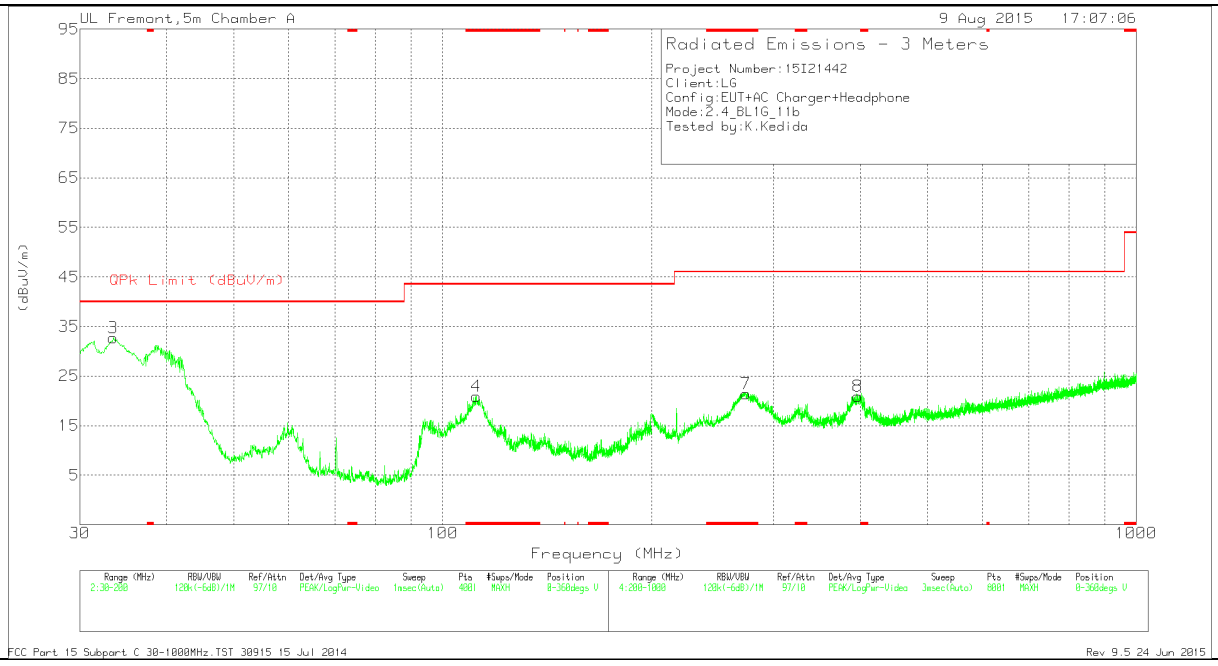
SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)

HORIZONTAL PLOT



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

VERTICAL PLOT



Below 1G Data

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	* 135.4425	40.39	Pk	13.9	-30.3	23.99	43.52	-19.53	0-360	101	H
4	* 111.77	38.56	Pk	12.9	-30.5	20.96	43.52	-22.56	0-360	101	V
6	* 272.2	40.13	Pk	13.1	-29.5	23.73	46.02	-22.29	0-360	101	H
7	* 273.5	37.77	Pk	13.2	-29.5	21.47	46.02	-24.55	0-360	299	V
3	33.5275	45.24	Pk	18.7	-31.2	32.74	40	-7.26	0-360	101	V
1	60.3025	40.93	Pk	7.7	-30.9	17.73	40	-22.27	0-360	299	H
5	217.3	41.57	Pk	10.6	-29.8	22.37	46.02	-23.65	0-360	199	H
8	396.9	34.86	Pk	15.2	-29.1	20.96	46.02	-25.06	0-360	299	V

Pk - Peak detector