FCC CFR47 PART 15 SUBPART C

C2PC CERTIFICATION TEST REPORT

FOR

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

MODEL NUMBER: LG-D631, D631, LGD631

FCC ID: ZNFD631

REPORT NUMBER: 14U17500-4 REVISION A

ISSUE DATE: JULY 16, 2014

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

NVLAP LAB CODE 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
--	06/14/14	Initial Issue	P. Zhang
A	7/16/14	Updated power table	P. Zhang

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS

COMPANY NAME:	**LG ELECTRONICS MOBILECOMM U.S.A., INC**
EUT DESCRIPTION:	**GSM/WCDMA/LTE Phone + Bluetooth, DTS/UNII a/b/g/n and NFC.**
MODEL:	**LG-D631, D631, LGD631**
SERIAL NUMBER:	**18UL4 (Radiated)**
DATE TESTED:	**MAY 27 – JUNE 11, 2014**

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:

PENG ZHANG
CONSUMER TECHNOLOGY DIVISION
PROJECT LEAD
UL Verification Services Inc.

Tested By:

CHARLES VERGONIO
CONSUMER TECHNOLOGY DIVISION
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 C63.4-2009.

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	☒ Chamber D
☒ Chamber B	☐ Chamber E
☐ Chamber C	☒ Chamber F

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 Phone + Bluetooth, DTS/UNII a/b/g/n and NFC.

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum conducted output power as follows:

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
2412 - 2462	802.11b	18.96	78.70
2412 - 2462	802.11g	22.73	187.50
2412 - 2462	802.11n HT20	20.52	112.72
5745-5825	802.11a	18.07	64.12
5745-5825	802.11n HT20	17.59	57.41
5755-5795	802.11n HT40	18.14	65.16

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an FPCB antenna, with a maximum gain of -8.45 dBi for 2.4GHz and -4.22 for 5GHz.

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
802.11n HT40mode: MCS0

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
AC Adapter	LG ELECTRONICS	MCS-01WD	DB390078751	N/A
Earphone	LG ELECTRONICS	LG-D631	N/A	N/A
PowerMat	DURACELL	KSAP0151800083HU	N/A	N/A
PMA cover	LG ELECTRONICS	N/A	N/A	N/A

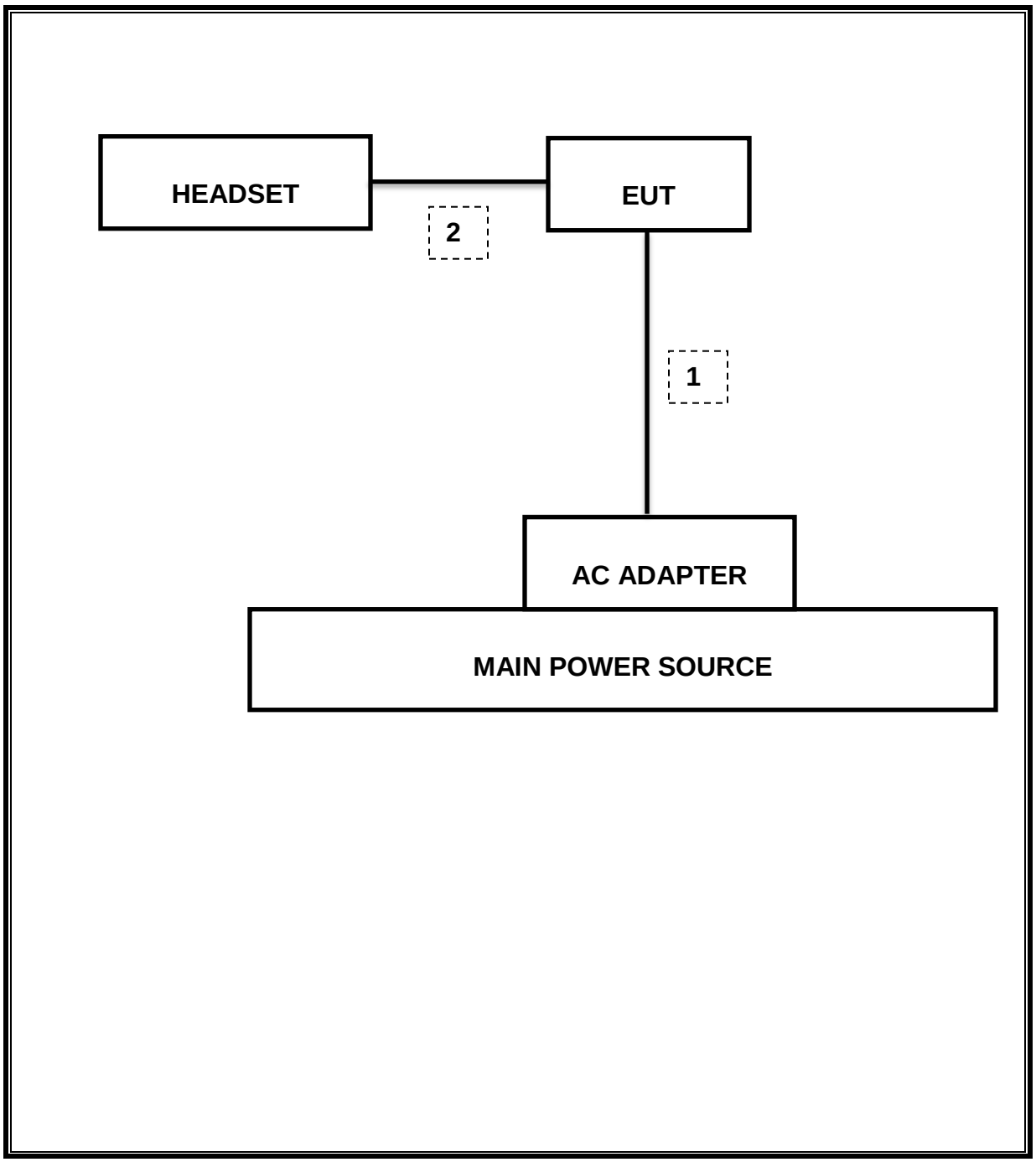
I/O CABLES

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 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	12/20/14
Spectrum Analyzer,9KHz-40GHz	HP	8564E	C00986	04/01/15
EMI Test Receiver, 9 kHz-7 GHz	R & S	ESCI 7	1000741	08/13/14
EMI Test Receiver, 30 MHz	R & S	ESHS 20	N02396	08/18/14
Peak Power Meter	Agilent / HP	E4416A	C00963	12/13/14
Peak / Average Power Sensor	Agilent / HP	E9327A	C00964	12/13/14
Antenna, Horn, 1-18 GHz	ETS	3117	C01022	02/21/15
Antenna, Horn,18- 26 GHz	ARA	MWH-1826/B	C00946	11/12/14
Antenna, Horn, 26-40 GHz	ARA	MWH-2640	C00891	06/28/14
Antenna, Bilog, 30MHz-1 GHz	Sunol Sciences	JB1	T243	03/06/15
RF Preamplifier, 100KHz -> 1300MHz	HP	TBD	C00825	06/01/15
RF Preamplifier, 1GHz - 18GHz	Miteq	NSP4000-SP2	924343	03/23/15
RF Preamplifier, 1GHz - 26.5GHz	HP	8449B	F00351	06/27/14
AC Power Supply, 2,500VA 45-500Hz	Elgar-Ametek	CW2501M	F00013	CNR
RF Preamplifier, 1GHz - 40GHz	Miteq	NSP4000-SP2	C00990	08/20/14
Attenuator / Switch driver	HP	11713A	F00204	CNR
Low Pass Filter 3GHz	Micro-Tronics	LPS17541	F00219	05/23/15
High Pass Filter 5GHz	Micro-Tronics	HPS17542	F00222	05/22/15
High Pass Filter 6GHz	Micro-Tronics	HPM17543	F00224	05/22/15

7. MEASUREMENT METHODS

KDB 558074 D01 DTS Meas Guidance v03r01:Measurement Procedure PK2 is used for power and PKPSD 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

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	45.14dBuV/m

9. RADIATED TEST RESULTS

9.1. 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.

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 = 0.2dB; N mode = 0.2Db; a mode = 0.2dB; n mode = 0.2dB; n HT40 mode = 0.5dB

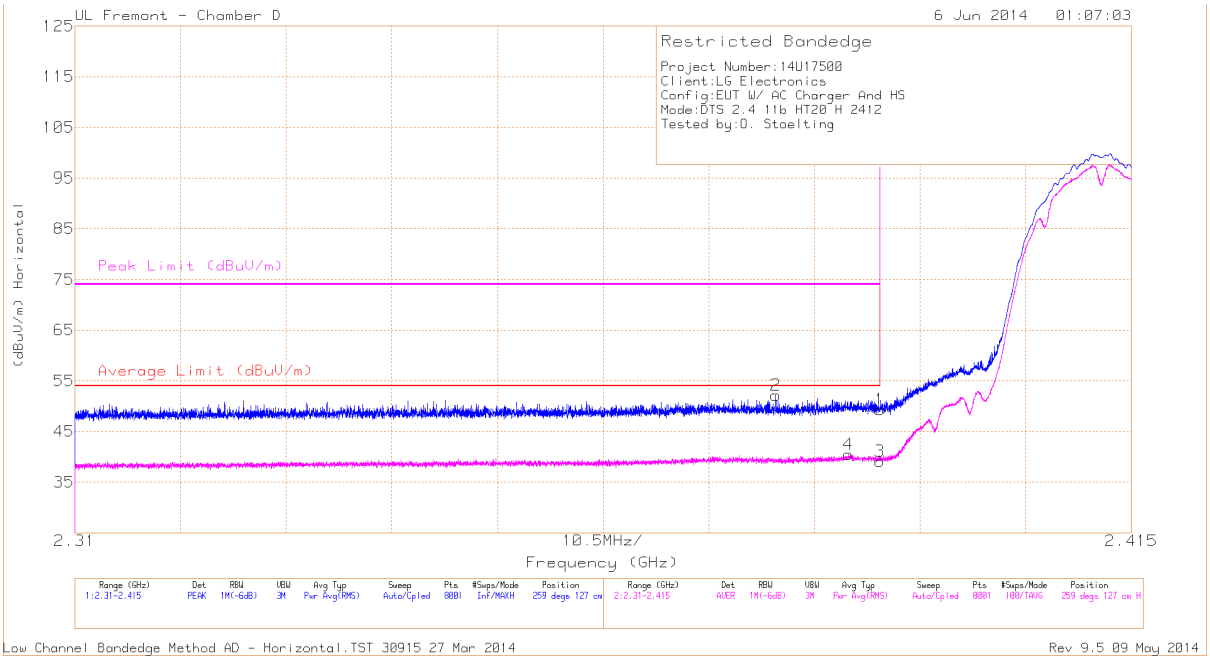
The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

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

9.2.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL



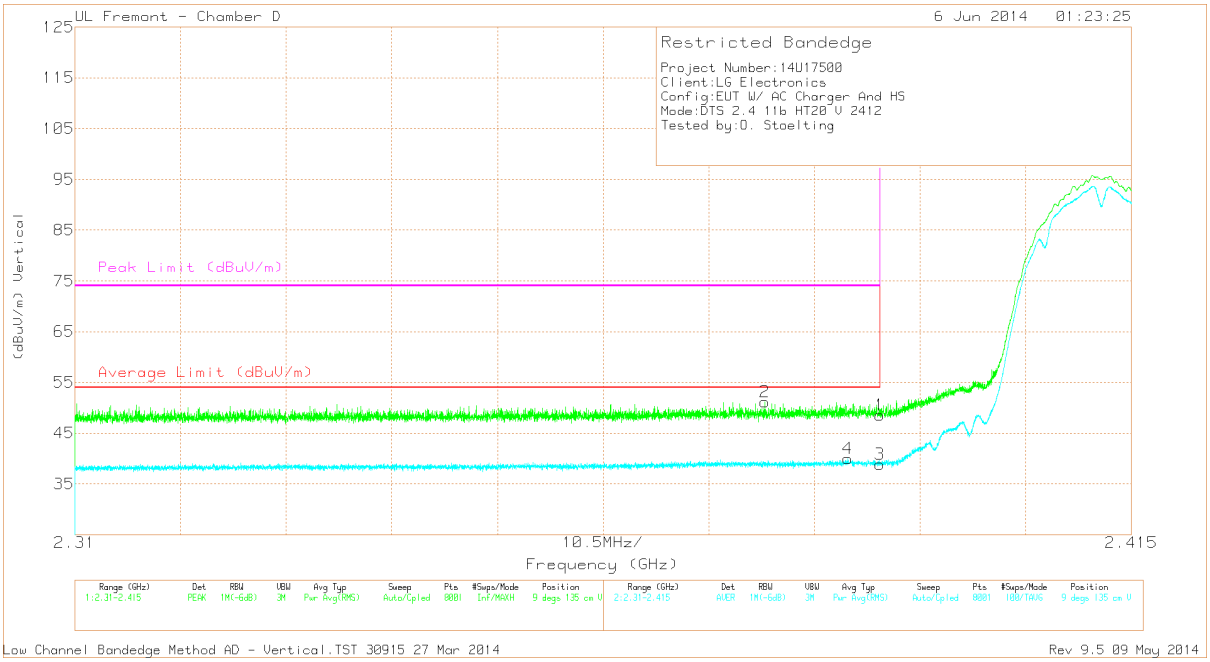
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.42	PK	31.5	-20.6	49.32	-	-	74	-24.68	259	127	H
2	* 2.38	41.4	PK	31.4	-20.7	52.1	-	-	74	-21.9	259	127	H
3	* 2.39	28.1	RMS	31.5	-20.6	39.1	54	-14.9	-	-	259	127	H
4	* 2.387	29.47	RMS	31.5	-20.6	40.47	54	-13.53	-	-	259	127	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.379	40.48	PK	31.4	-20.7	51.18	-	-	74	-22.82	9	135	V
4	* 2.387	28.98	RMS	31.5	-20.6	39.98	54	-14.02	-	-	9	135	V
1	* 2.39	37.63	PK	31.5	-20.6	48.53	-	-	74	-25.47	9	135	V
3	* 2.39	27.9	RMS	31.5	-20.6	38.9	54	-15.1	-	-	9	135	V

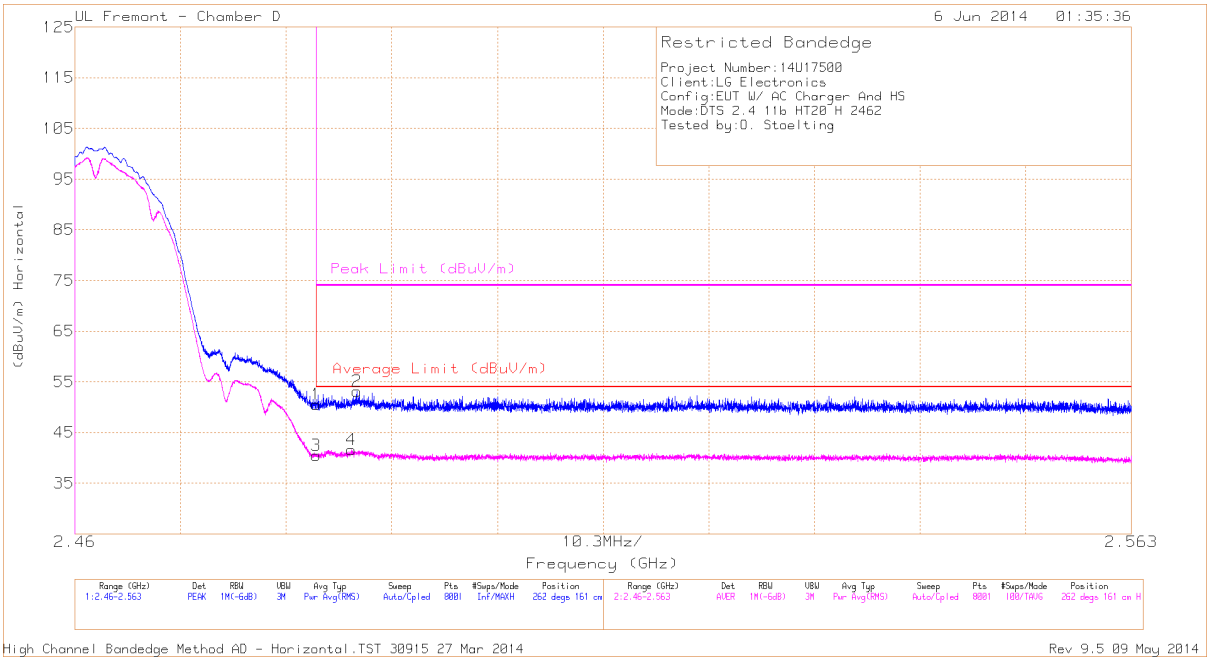
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL



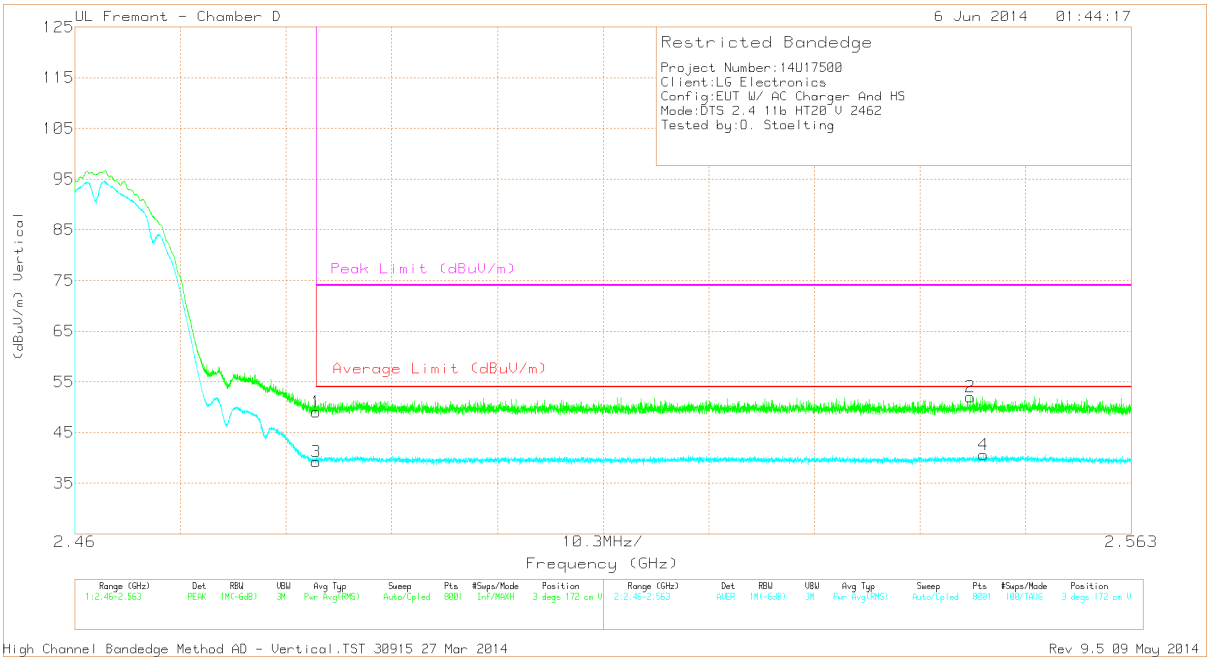
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.07	PK	32.1	-20.6	50.57	-	-	74	-23.43	262	161	H
3	* 2.484	28.84	RMS	32.1	-20.6	40.44	54	-13.56	-	-	262	161	H
2	* 2.487	41.77	PK	32.1	-20.7	53.17	-	-	74	-20.83	262	161	H
4	* 2.487	30.1	RMS	32.1	-20.7	41.6	54	-12.4	-	-	262	161	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Flt r/Pad (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	37.59	PK	32.1	-20.6	49.09	-	-	74	-24.91	3	172	V
3	* 2.484	27.69	RMS	32.1	-20.6	39.29	54	-14.71	-	-	3	172	V
2	2.547	40.37	PK	32.1	-20.4	52.07	-	-	74	-21.93	3	172	V
4	2.549	28.75	RMS	32.1	-20.3	40.65	54	-13.35	-	-	3	172	V

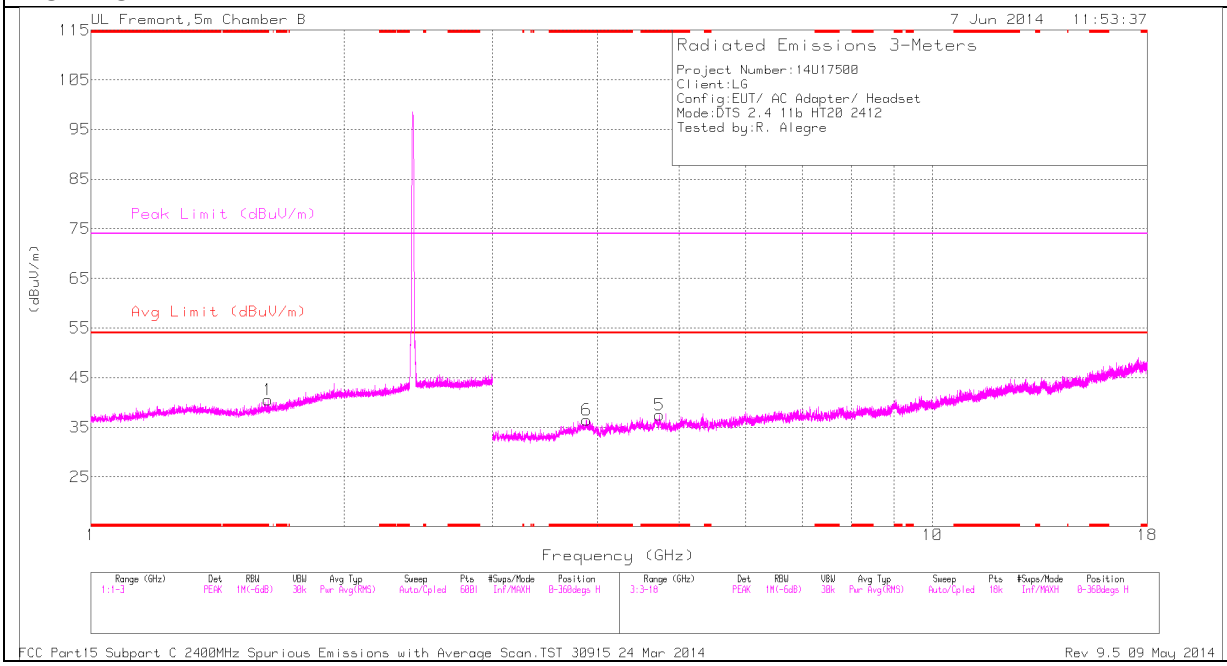
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

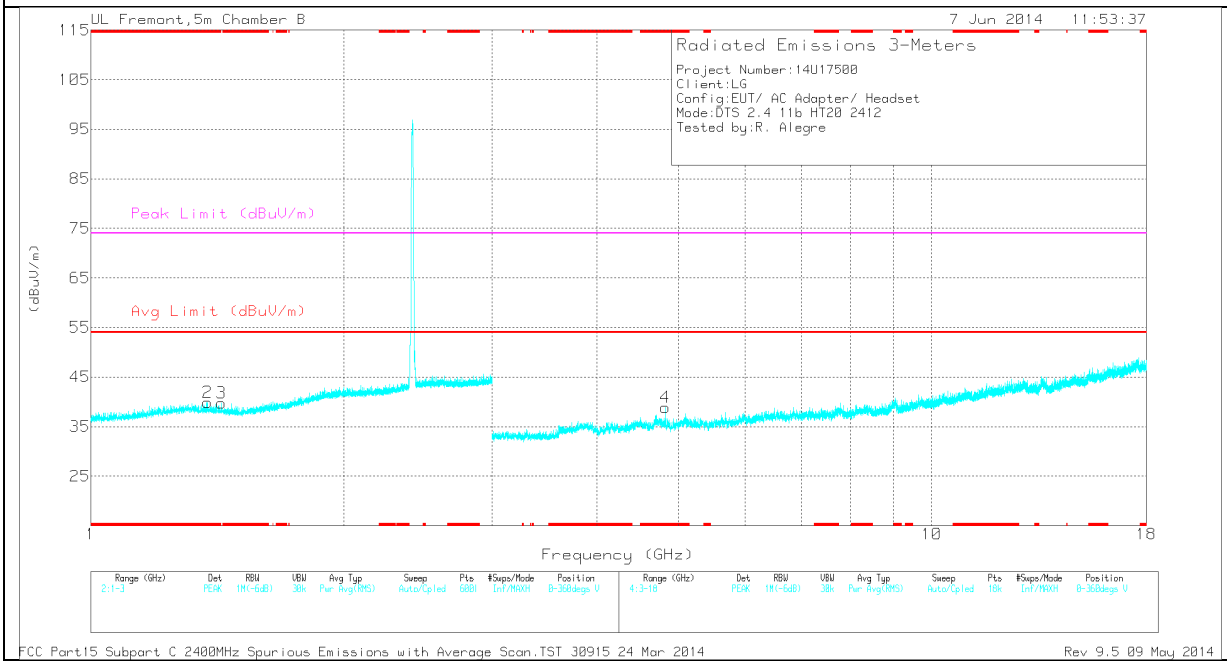
9.2.1. HARMONICS AND SPURIOUS EMISSIONS

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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	* 1.623	35.88	PK	28.6	-23.9	0	40.58	-	-	74	-33.42	0-360	201	H
2	* 1.378	35.77	PK	28.6	-24.5	0	39.87	-	-	74	-34.13	0-360	101	V
5	* 4.742	32.69	PK	34.2	-29.4	0	37.49	-	-	74	-36.51	0-360	200	H
6	* 3.883	32.87	PK	33.8	-30.2	0	36.47	-	-	74	-37.53	0-360	200	H
4	* 4.824	34.44	PK	34.2	-29.8	0	38.84	-	-	74	-35.16	0-360	201	V
3	1.429	35.75	PK	28.3	-24.3	0	39.75	-	-	-	-	0-360	101	V

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

PK - Peak detector

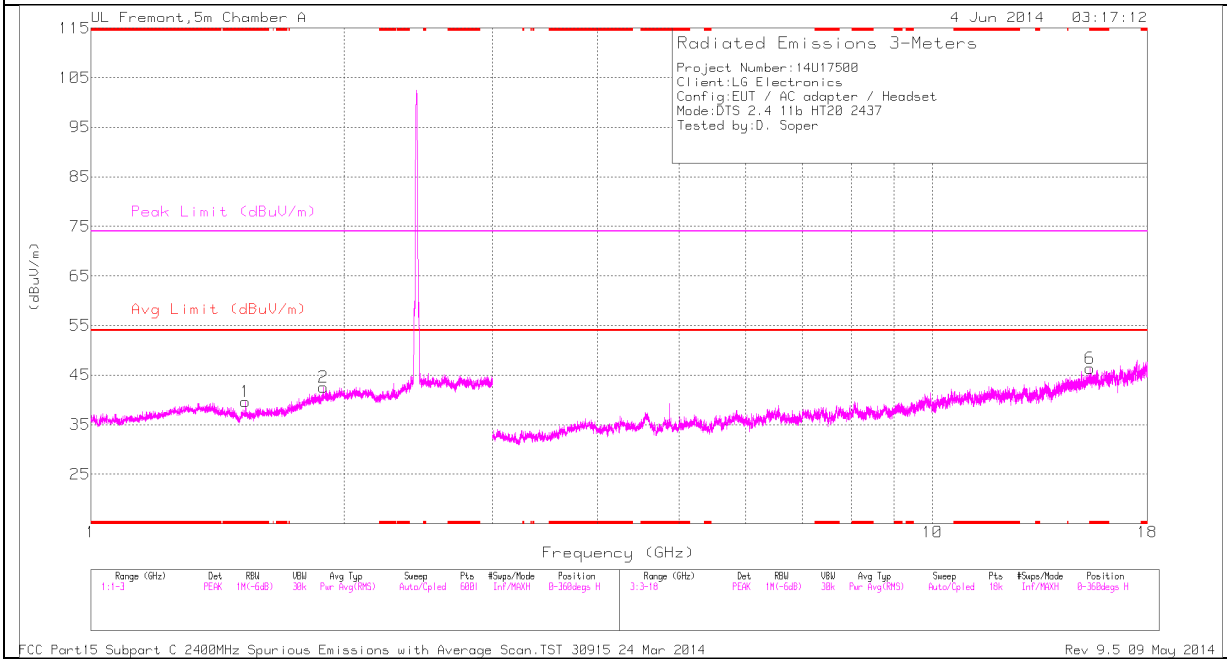
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	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
* 1.624	43.26	PK2	28.6	-23.9	0	47.96	-	-	74	-26.04	1	202	H
* 1.378	43.91	PK2	28.6	-24.5	0	48.01	-	-	74	-25.99	1	102	V
* 3.883	42.21	PK2	33.8	-30.2	0	45.81	-	-	74	-28.19	1	202	H
* 4.743	40.76	PK2	34.2	-29.3	0	45.66	-	-	74	-28.34	1	202	H
* 4.823	39.42	PK2	34.2	-29.7	0	43.92	-	-	74	-30.08	1	202	V
* 4.824	28.66	MAv1	34.2	-29.8	0	33.06	54	-20.94	-	-	1	202	V
1.429	43.77	PK2	28.3	-24.3	0	47.77	-	-	-	-	1	102	V

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

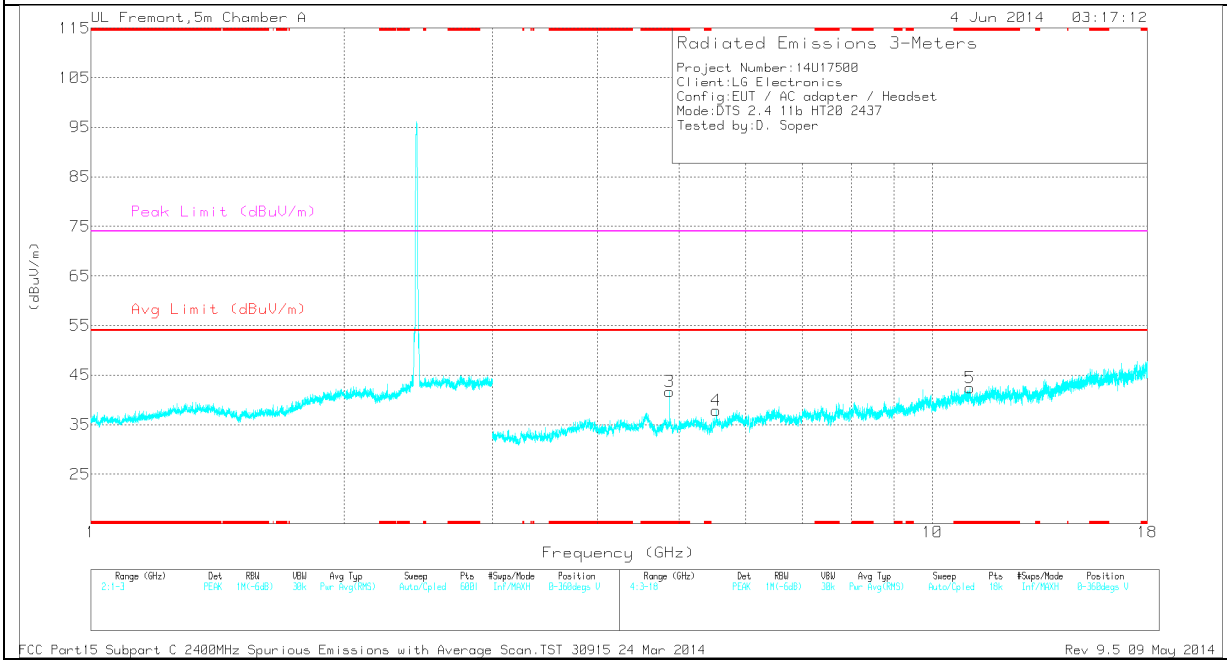
PK2 - KDB558074 Method: Maximum Peak

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.

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	* 1.527	36.91	PK	28.7	-26	39.61	-	-	74	-34.39	0-360	100	H
6	* 15.4	26.7	PK	40.7	-21	46.4	-	-	74	-27.6	0-360	200	H
3	* 4.874	36.01	PK	34	-28.3	41.71	-	-	74	-32.29	0-360	200	V
5	* 11.08	26.65	PK	37.7	-21.9	42.45	-	-	74	-31.55	0-360	200	V
2	1.89	36.09	PK	31.5	-25	42.59	-	-	-	-	0-360	100	H
4	5.537	31.47	PK	34.4	-28	37.87	-	-	-	-	0-360	100	V

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

PK - Peak detector

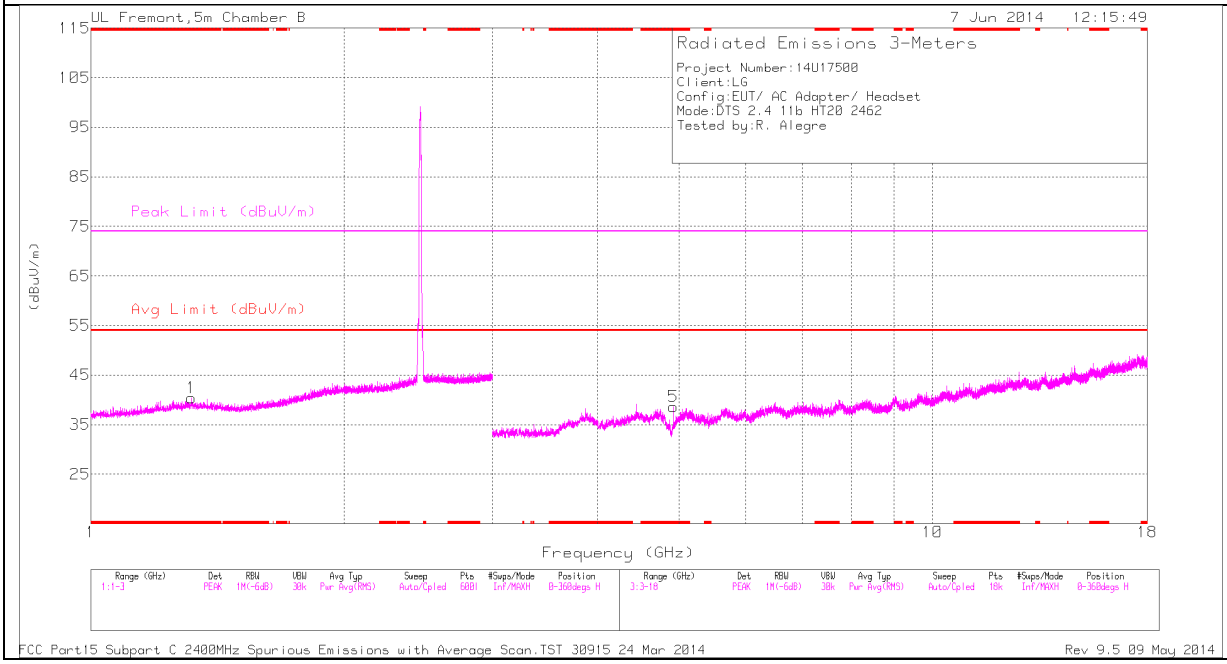
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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
* 4.874	40.61	PK2	34	-28.3	46.31	-	-	74	-27.69	333	309	V
* 4.874	33.38	MAv1	34	-28.3	39.08	54	-14.92	-	-	333	309	V

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

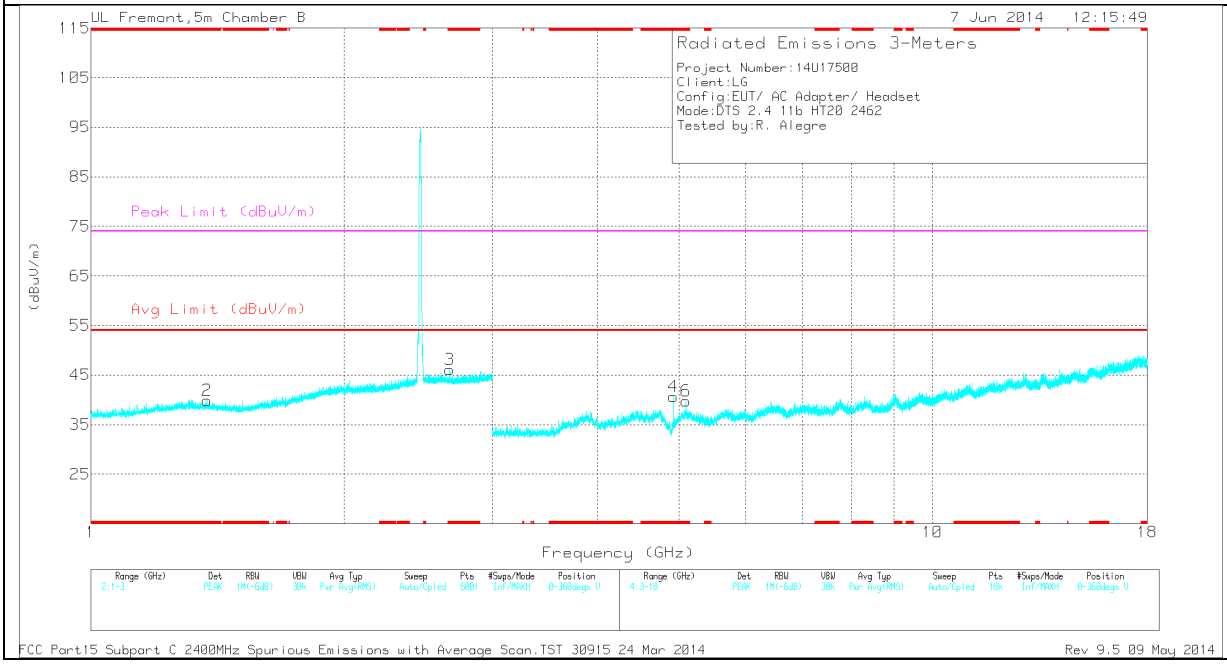
PK2 - KDB558074 Method: Maximum Peak

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.

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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	* 1.316	36.04	PK	28.8	-24.5	0	40.34	-	-	74	-33.66	0-360	202	H
2	* 1.375	35.77	PK	28.6	-24.5	0	39.87	-	-	74	-34.13	0-360	101	V
3	* 2.67	36.2	PK	32.3	-22.4	0	46.1	-	-	74	-27.9	0-360	101	V
5	* 4.924	35.27	PK	34.2	-30.8	0	38.67	-	-	74	-35.33	0-360	201	H
4	* 4.924	37.25	PK	34.2	-30.8	0	40.65	-	-	74	-33.35	0-360	200	V
6	* 5.097	34.09	PK	34.2	-28.5	0	39.79	-	-	74	-34.21	0-360	200	V

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

PK - Peak detector

Radiated Emissions

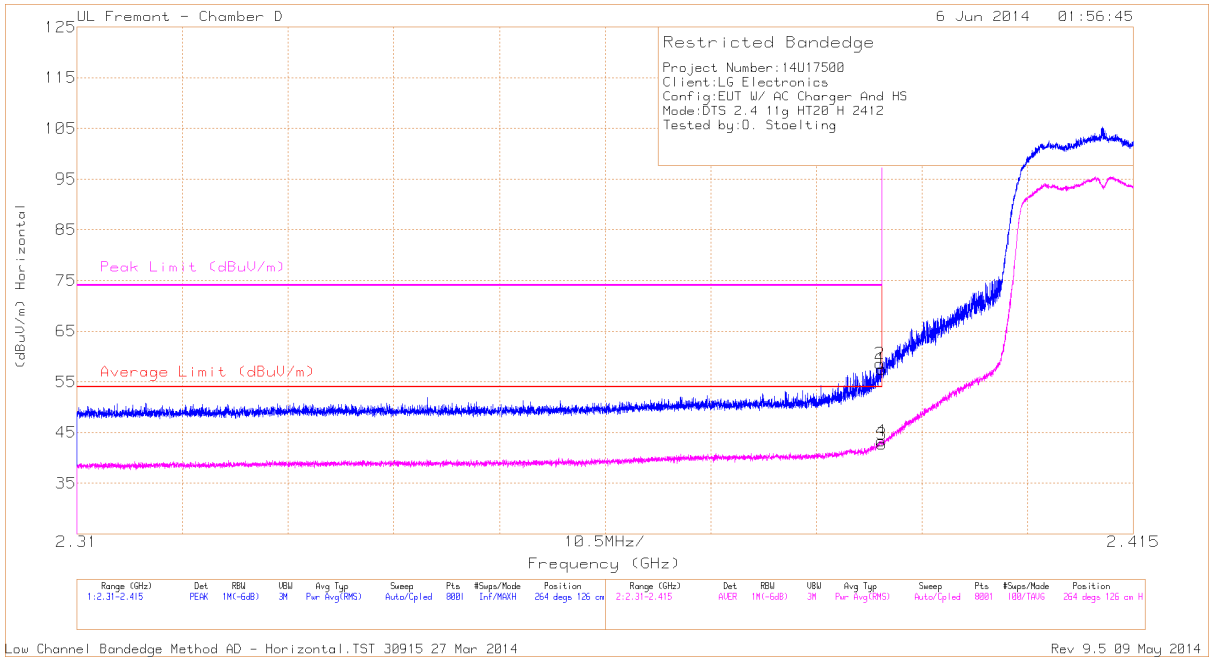
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.317	43.47	PK2	28.8	-24.5	0	47.77	-	-	74	-26.23	1	203	H
* 2.671	42.52	PK2	32.3	-22.4	0	52.42	-	-	74	-21.58	1	102	V
* 1.374	43.56	PK2	28.6	-24.5	0	47.66	-	-	74	-26.34	1	102	V
* 4.924	42.22	PK2	34.2	-30.8	0	45.62	-	-	74	-28.38	1	201	H
* 4.924	41.54	PK2	34.2	-30.8	0	44.94	-	-	74	-29.06	1	201	V
* 4.924	30.59	MAv1	34.2	-30.8	0	33.99	54	-20.01	-	-	1	201	V
* 5.099	40.71	PK2	34.2	-28.6	0	46.31	-	-	74	-27.69	1	201	V

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

PK2 - KDB558074 Method: Maximum Peak

9.2.2. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL



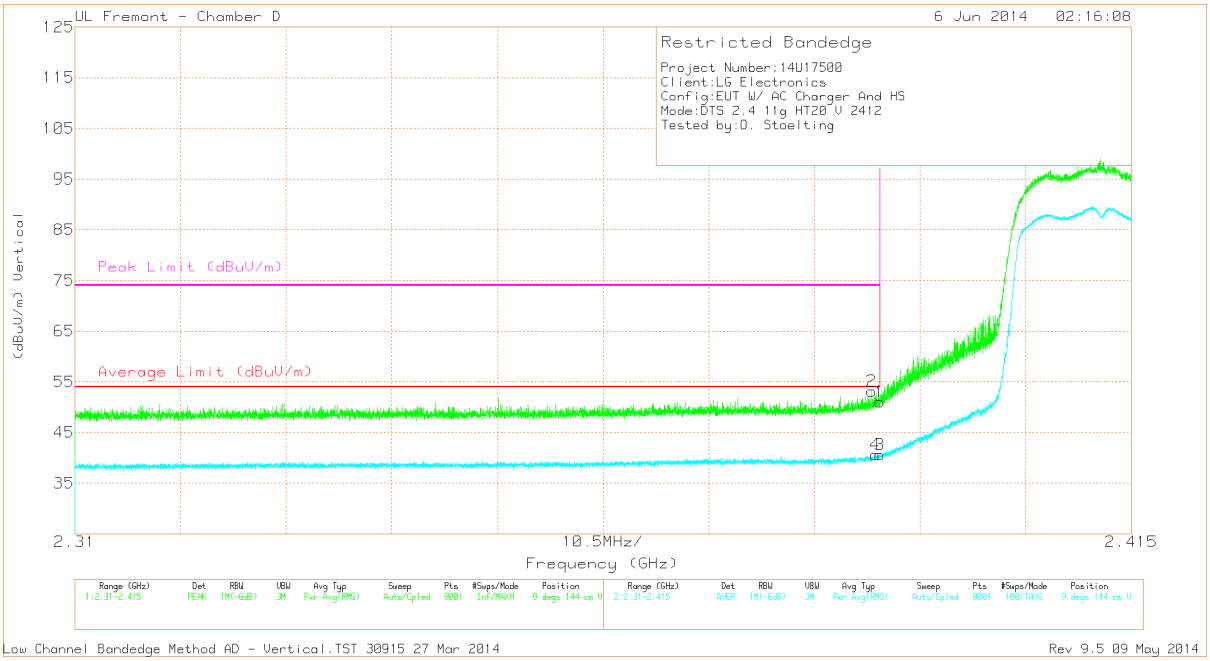
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	46.65	PK	31.5	-20.6	0	57.55	-	-	74	-16.45	264	126	H
2	* 2.39	47.75	PK	31.5	-20.6	0	58.65	-	-	74	-15.35	264	126	H
3	* 2.39	31.6	RMS	31.5	-20.6	.2	42.7	54	-11.3	-	-	264	126	H
4	* 2.39	32.22	RMS	31.5	-20.6	.2	43.32	54	-10.68	-	-	264	126	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 2.389	42.29	PK	31.5	-20.6	0	53.19	-	-	74	-20.81	9	144	V
1	* 2.39	40.08	PK	31.5	-20.6	0	50.98	-	-	74	-23.02	9	144	V
3	* 2.39	29.52	RMS	31.5	-20.6	.2	40.62	54	-13.38	-	-	9	144	V
4	* 2.39	29.53	RMS	31.5	-20.6	.2	40.63	54	-13.37	-	-	9	144	V

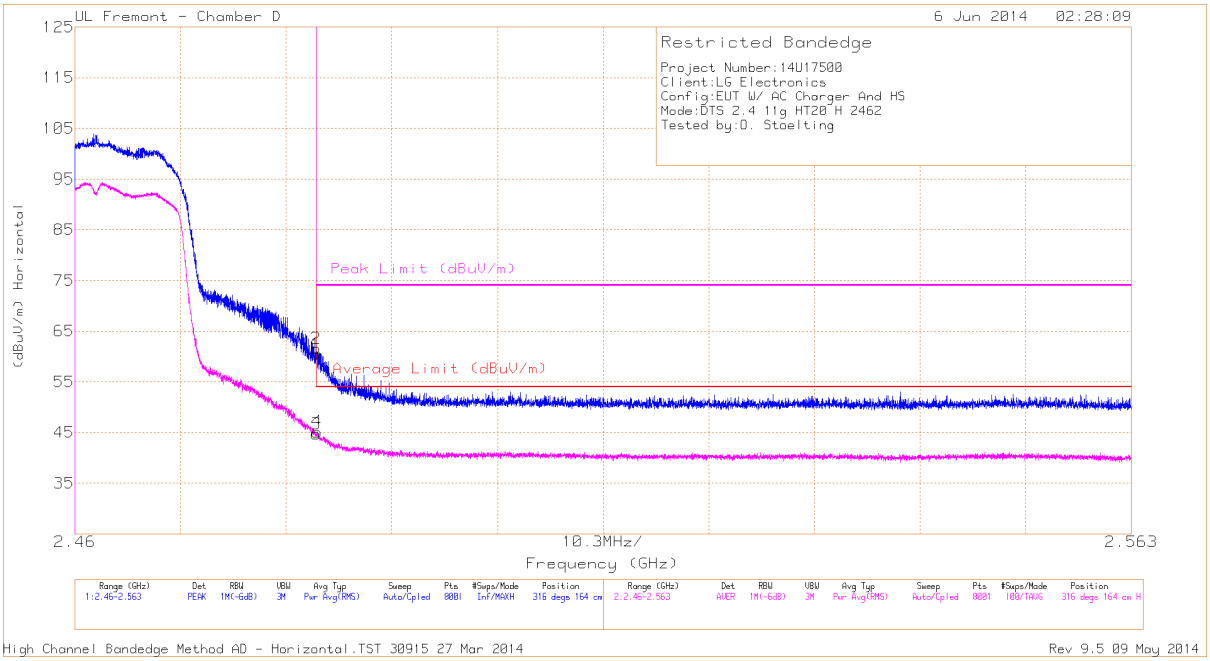
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL



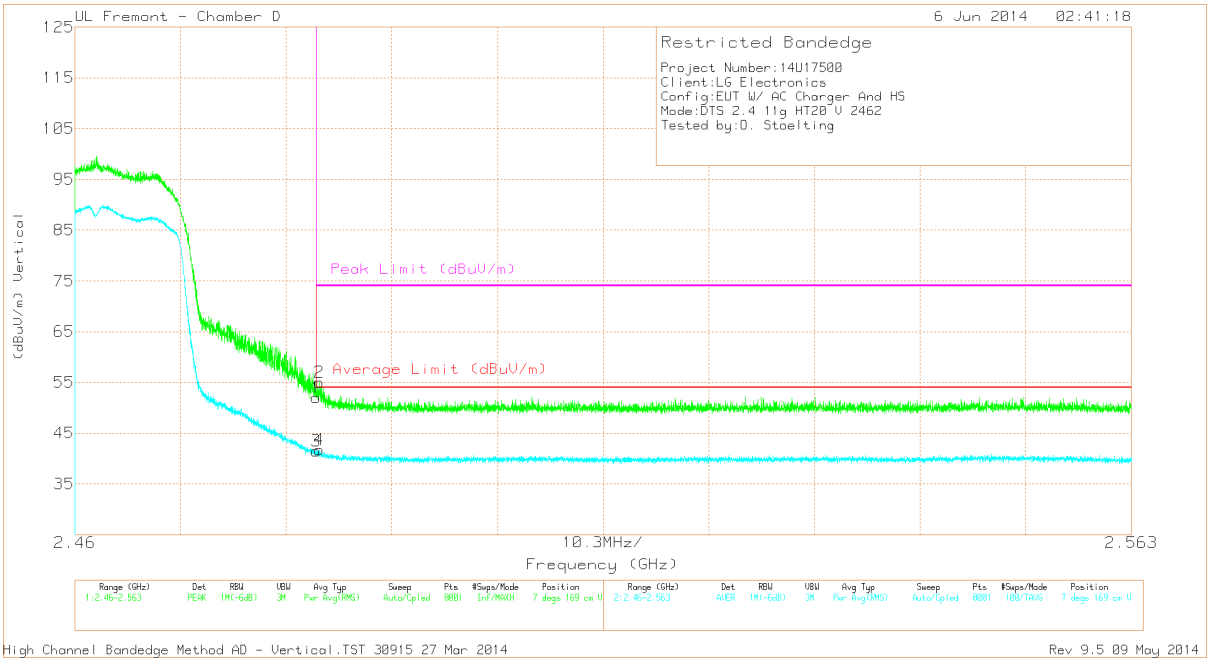
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.93	PK	32.1	-20.6	0	60.43	-	-	74	-13.57	316	164	H
2	* 2.484	50.11	PK	32.1	-20.6	0	61.61	-	-	74	-12.39	316	164	H
3	* 2.484	32.95	RMS	32.1	-20.6	.2	44.65	54	-9.35	-	-	316	164	H
4	* 2.484	33.44	RMS	32.1	-20.6	.2	45.14	54	-8.86	-	-	316	164	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	40.52	PK	32.1	-20.6	0	52.02	-	-	74	-21.98	7	169	V
2	* 2.484	43.51	PK	32.1	-20.6	0	55.01	-	-	74	-18.99	7	169	V
3	* 2.484	29.79	RMS	32.1	-20.6	.2	41.49	54	-12.51	-	-	7	169	V
4	* 2.484	29.97	RMS	32.1	-20.6	.2	41.67	54	-12.33	-	-	7	169	V

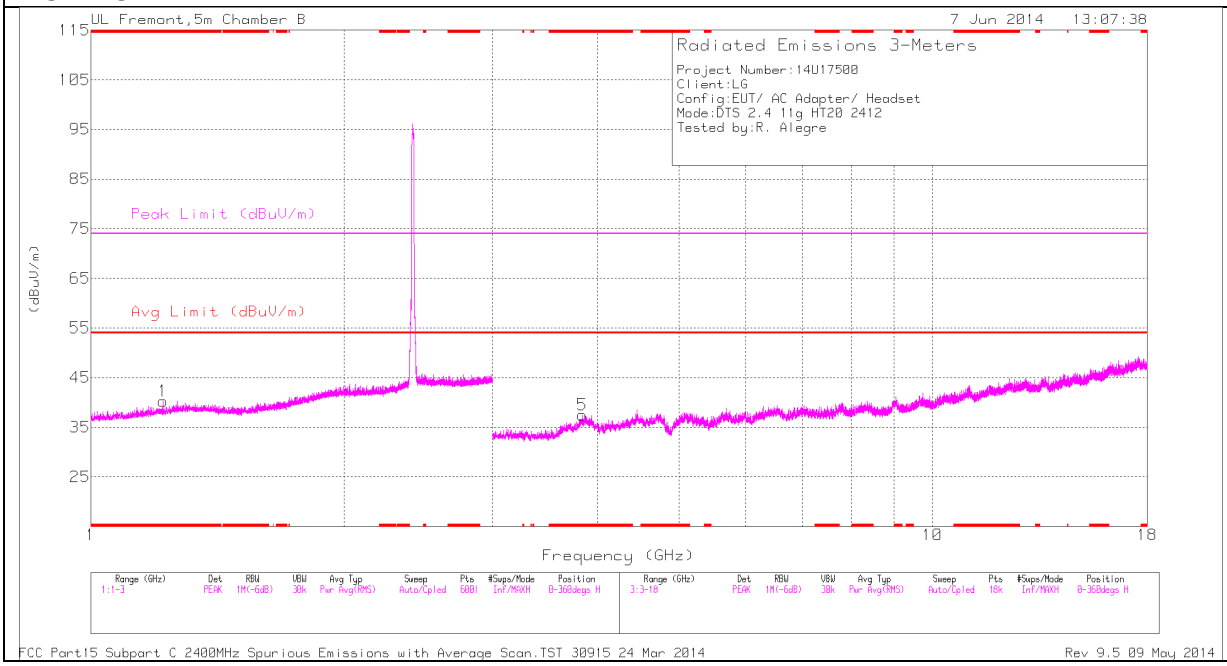
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

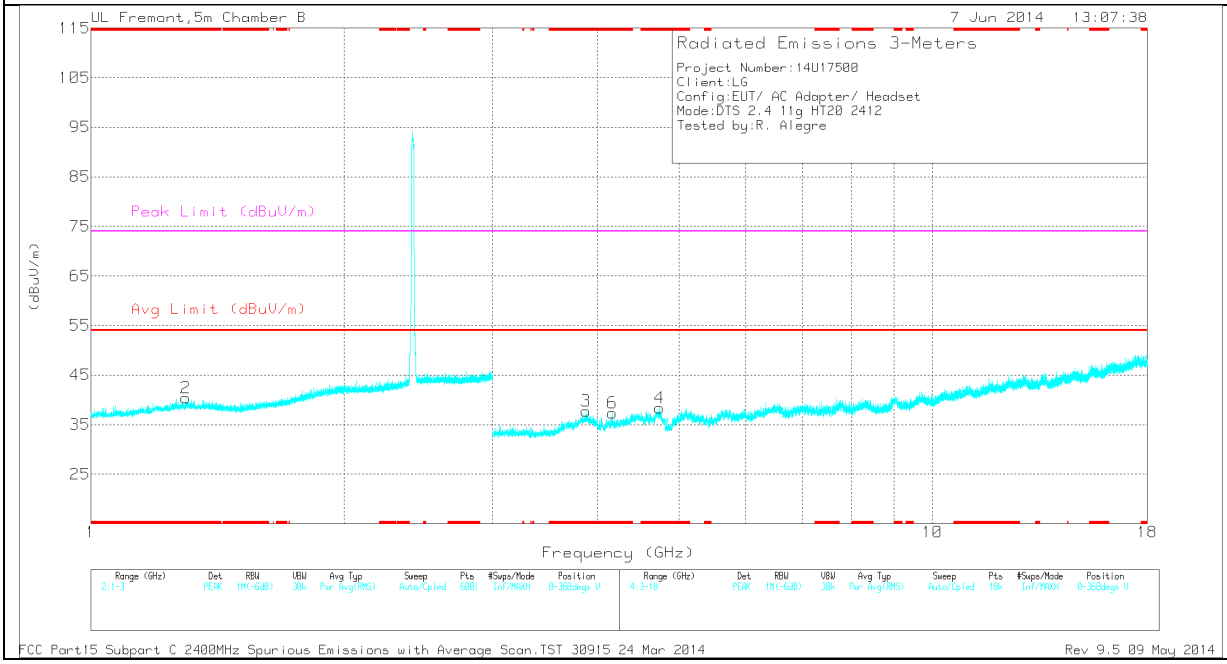
HARMONICS AND SPURIOUS EMISSIONS

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.

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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	* 1.219	36.53	PK	28.3	-24.6	0	40.23	-	-	74	-33.77	0-360	101	H
2	* 1.296	36.08	PK	28.8	-24.5	0	40.38	-	-	74	-33.62	0-360	100	V
5	* 3.833	34.23	PK	33.7	-30.4	0	37.53	-	-	74	-36.47	0-360	100	H
3	* 3.878	34.21	PK	33.8	-30.3	0	37.71	-	-	74	-36.29	0-360	101	V
4	* 4.742	33.53	PK	34.2	-29.4	0	38.33	-	-	74	-35.67	0-360	201	V
6	* 4.166	33.7	PK	33.6	-30	0	37.3	-	-	74	-36.7	0-360	101	V

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

PK - Peak detector

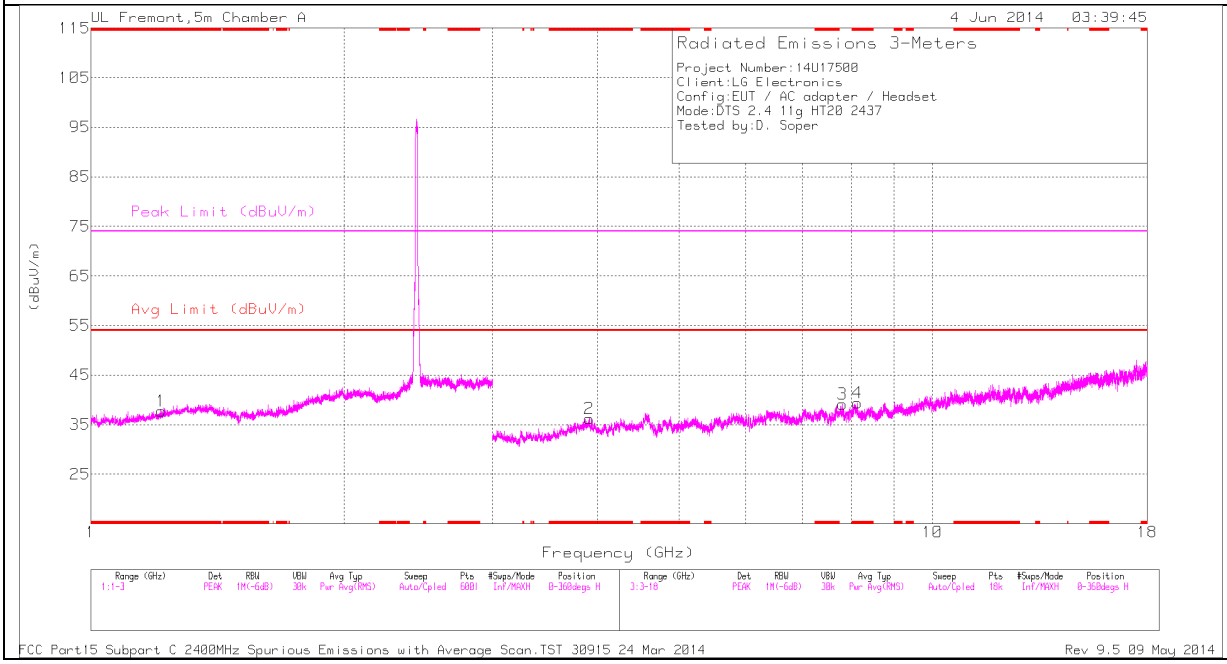
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	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
* 1.221	43.6	PK2	28.3	-24.6	0	47.3	-	-	74	-26.7	1	101	H
* 1.297	43.54	PK2	28.8	-24.5	0	47.84	-	-	74	-26.16	1	101	V
* 3.832	41.87	PK2	33.7	-30.5	0	45.07	-	-	74	-28.93	1	101	H
* 4.166	40.56	PK2	33.6	-30	0	44.16	-	-	74	-29.84	1	101	V
* 4.743	41.38	PK2	34.2	-29.3	0	46.28	-	-	74	-27.72	1	202	V
* 3.877	41.6	PK2	33.8	-30.3	0	45.1	-	-	74	-28.9	1	101	V

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

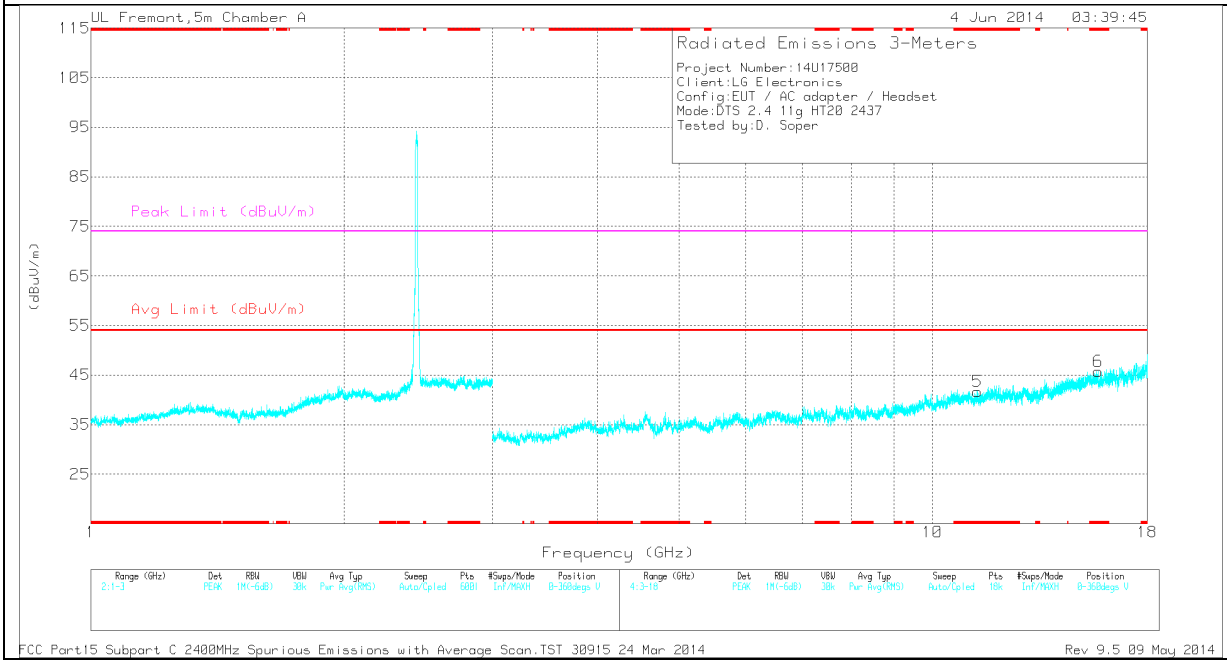
PK2 - KDB558074 Method: Maximum Peak

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.

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 T136 (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	* 1.212	35.57	PK	29.4	-27.2	0	37.77	-	-	74	-36.23	0-360	209	H
2	* 3.912	32.63	PK	33.8	-30.2	0	36.23	-	-	74	-37.77	0-360	200	H
4	* 8.151	29.36	PK	35.5	-25.5	0	39.36	-	-	74	-34.64	0-360	200	H
5	* 11.32	25.62	PK	38	-22	0	41.62	-	-	74	-32.38	0-360	100	V
6	* 15.723	25.49	PK	40.3	-20.1	0	45.69	-	-	74	-28.31	0-360	100	V
3	7.821	29.47	PK	35.5	-25.9	0	39.07	-	-	-	-	0-360	200	H

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

PK - Peak detector

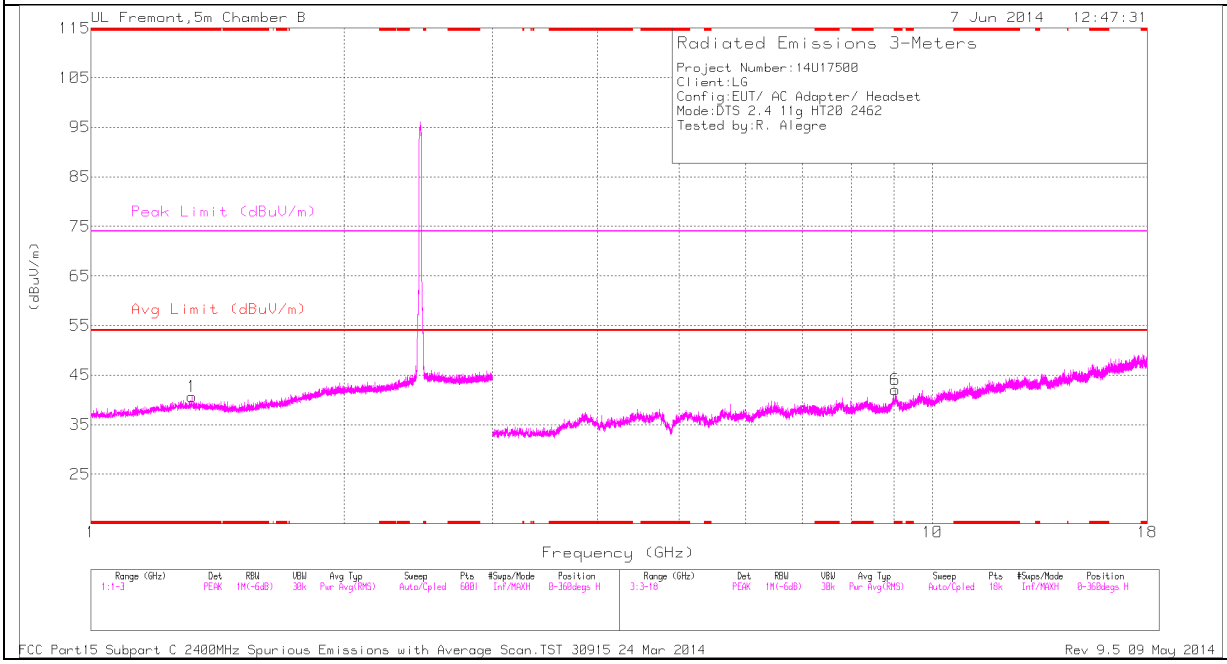
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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
* 15.725	33.5	PK2	40.3	-20	0	53.8	-	-	74	-20.2	360	100	V
* 15.723	22.73	MAv1	40.3	-20.1	.2	43.13	54	-10.87	-	-	360	100	V

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

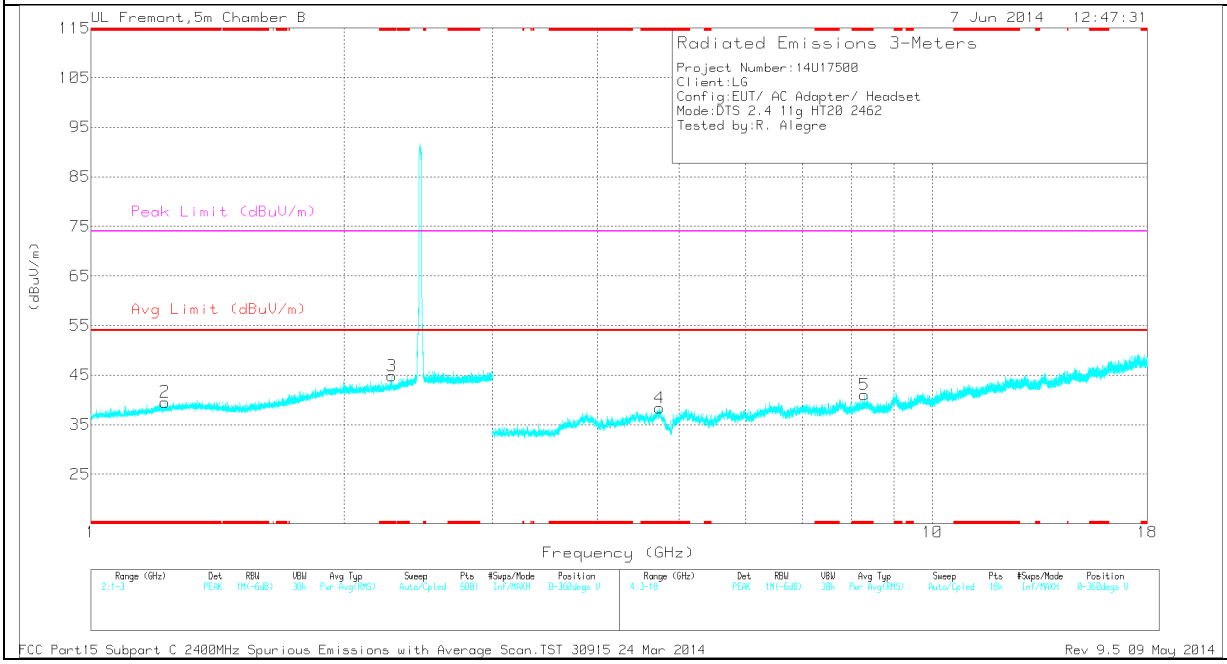
PK2 - KDB558074 Method: Maximum Peak

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.

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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	* 1.319	36.39	PK	28.8	-24.5	0	40.69	-	-	74	-33.31	0-360	101	H
2	* 1.225	35.77	PK	28.4	-24.6	0	39.57	-	-	74	-34.43	0-360	101	V
3	* 2.28	36.3	PK	31.6	-23.1	0	44.8	-	-	74	-29.2	0-360	101	V
6	* 9.033	29.7	PK	36.2	-23.8	0	42.1	-	-	74	-31.9	0-360	100	H
4	* 4.74	33.62	PK	34.2	-29.4	0	38.42	-	-	74	-35.58	0-360	200	V
5	* 8.305	30.77	PK	35.7	-25.4	0	41.07	-	-	74	-32.93	0-360	100	V

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

PK - Peak detector

Radiated Emissions

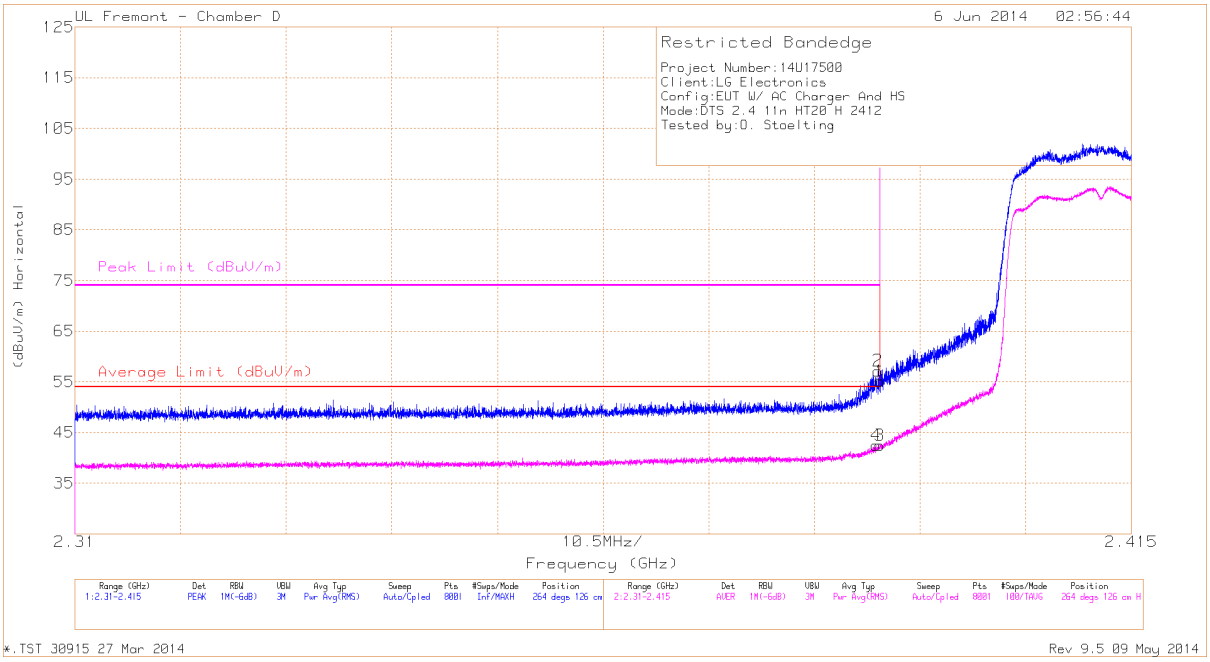
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.319	43.71	PK2	28.8	-24.5	0	48.01	-	-	74	-25.99	1	101	H
* 2.278	42.76	PK2	31.6	-23	0	51.36	-	-	74	-22.64	1	101	V
* 1.223	44.04	PK2	28.4	-24.6	0	47.84	-	-	74	-26.16	1	101	V
* 9.035	36.1	PK2	36.2	-23.8	0	48.5	-	-	74	-25.5	1	101	H
* 9.034	25.44	MAv1	36.2	-23.8	.2	38.04	54	-15.96	-	-	1	101	H
* 8.305	37.49	PK2	35.7	-25.4	0	47.79	-	-	74	-26.21	1	100	V
* 4.739	41.44	PK2	34.2	-29.4	0	46.24	-	-	74	-27.76	1	201	V

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

PK2 - KDB558074 Method: Maximum Peak

9.2.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL



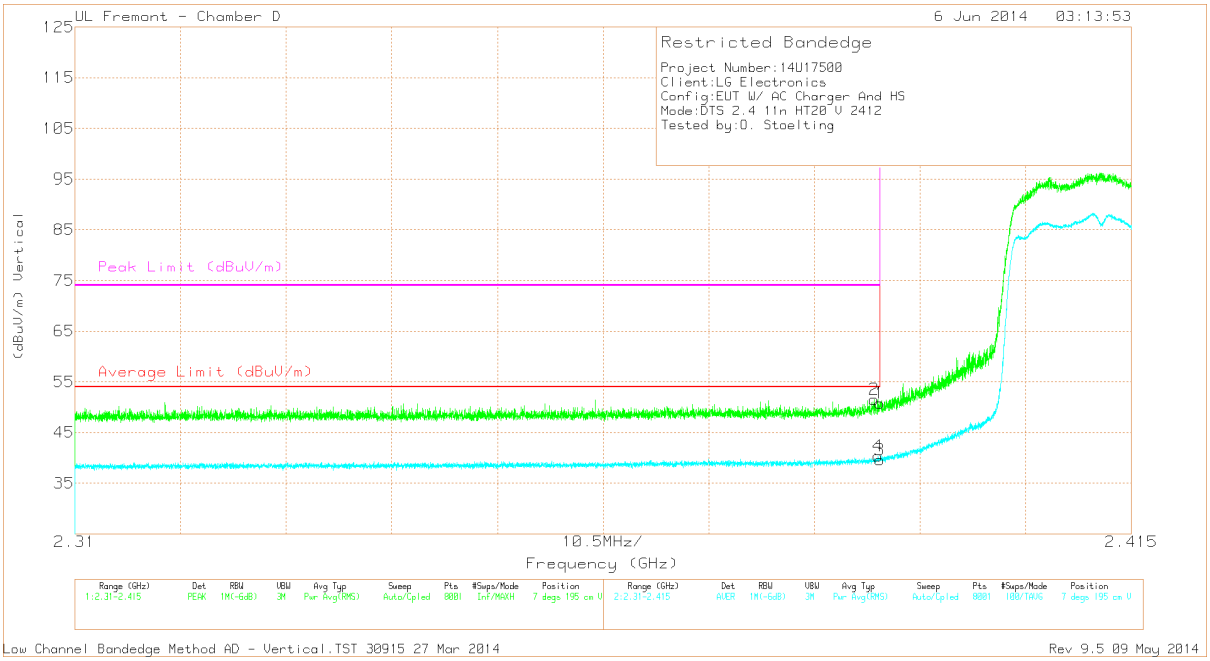
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.24	PK	31.5	-20.6	0	55.14	-	-	74	-18.86	264	126	H
2	* 2.39	46.28	PK	31.5	-20.6	0	57.18	-	-	74	-16.82	264	126	H
3	* 2.39	31.32	RMS	31.5	-20.6	.2	42.42	54	-11.58	-	-	264	126	H
4	* 2.39	31.32	RMS	31.5	-20.6	.2	42.42	54	-11.58	-	-	264	126	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 2.389	40.61	PK	31.5	-20.6	0	51.51	-	-	74	-22.49	7	195	V
1	* 2.39	39.94	PK	31.5	-20.6	0	50.84	-	-	74	-23.16	7	195	V
3	* 2.39	28.53	RMS	31.5	-20.6	.2	39.63	54	-14.37	-	-	7	195	V
4	* 2.39	29.29	RMS	31.5	-20.6	.2	40.39	54	-13.61	-	-	7	195	V

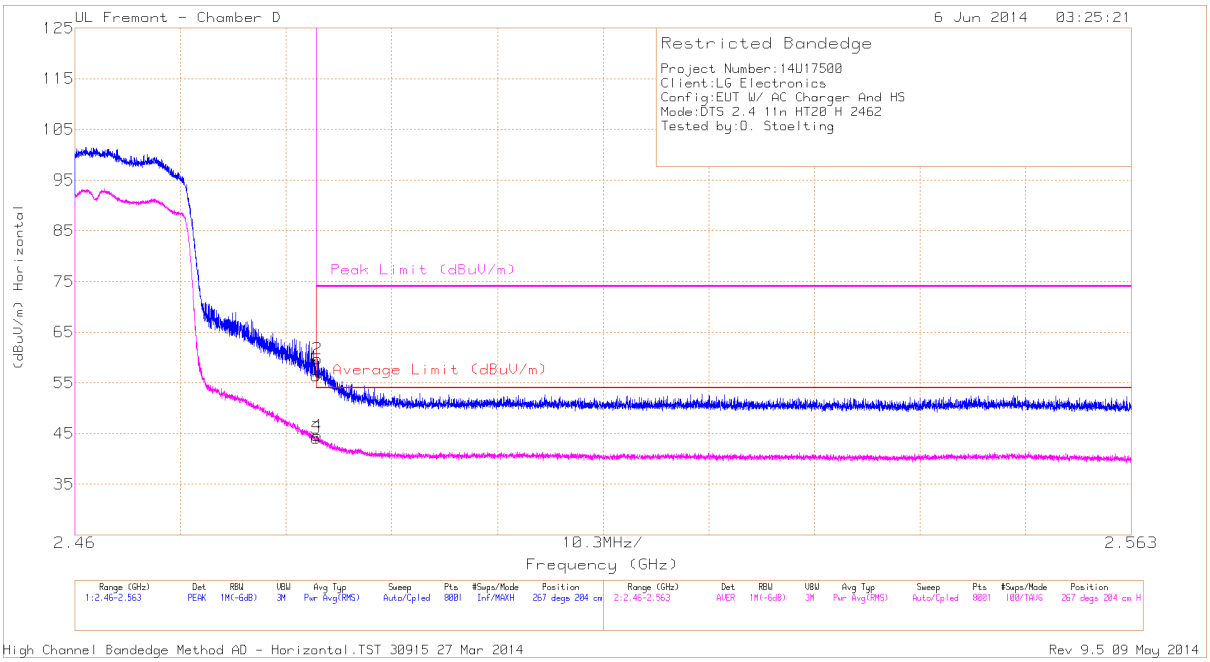
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL



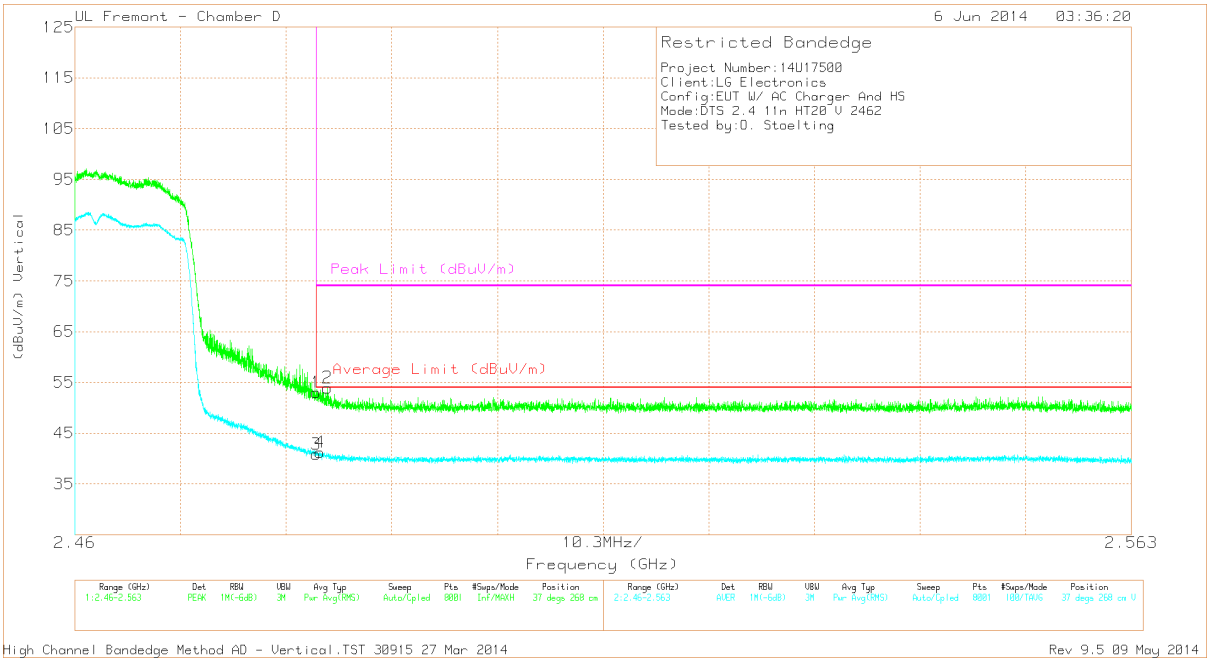
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.82	PK	32.1	-20.6	0	56.32	-	-	74	-17.68	267	204	H
2	* 2.484	48.28	PK	32.1	-20.6	0	59.78	-	-	74	-14.22	267	204	H
3	* 2.484	32.33	RMS	32.1	-20.6	.2	44.03	54	-9.97	-	-	267	204	H
4	* 2.484	32.87	RMS	32.1	-20.6	.2	44.57	54	-9.43	-	-	267	204	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	41.54	PK	32.1	-20.6	0	53.04	-	-	74	-20.96	37	268	V
3	* 2.484	29.19	RMS	32.1	-20.6	.2	40.89	54	-13.11	-	-	37	268	V
4	* 2.484	29.51	RMS	32.1	-20.6	.2	41.21	54	-12.79	-	-	37	268	V
2	* 2.485	42.45	PK	32.1	-20.6	0	53.95	-	-	74	-20.05	37	268	V

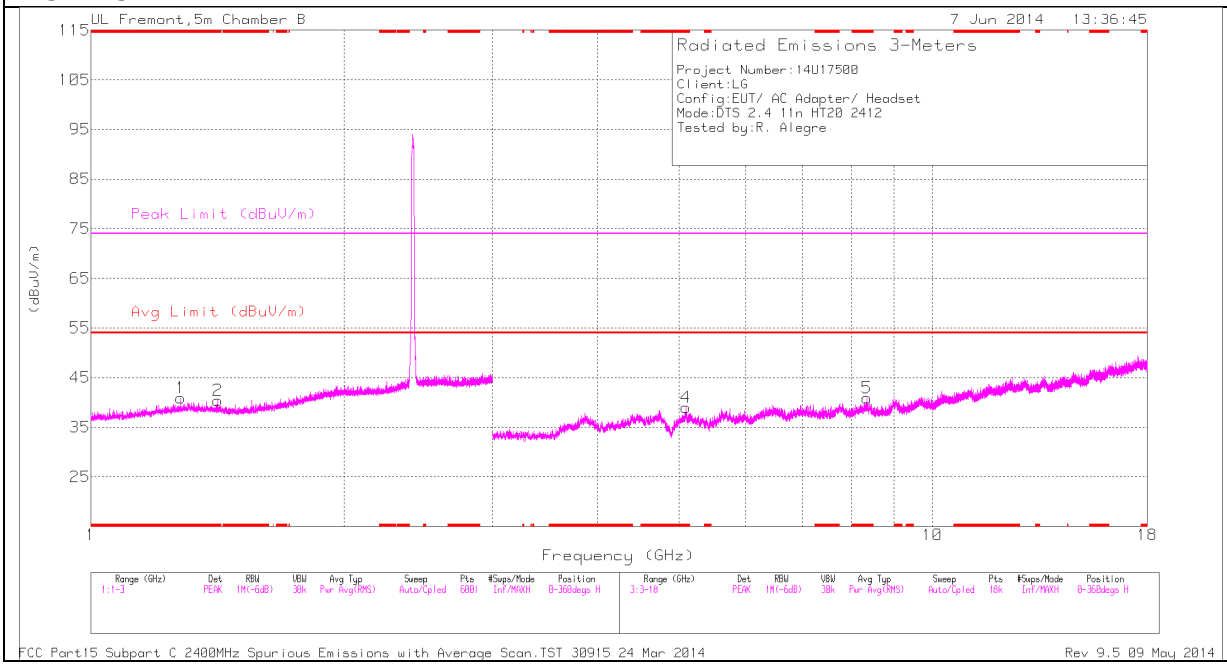
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

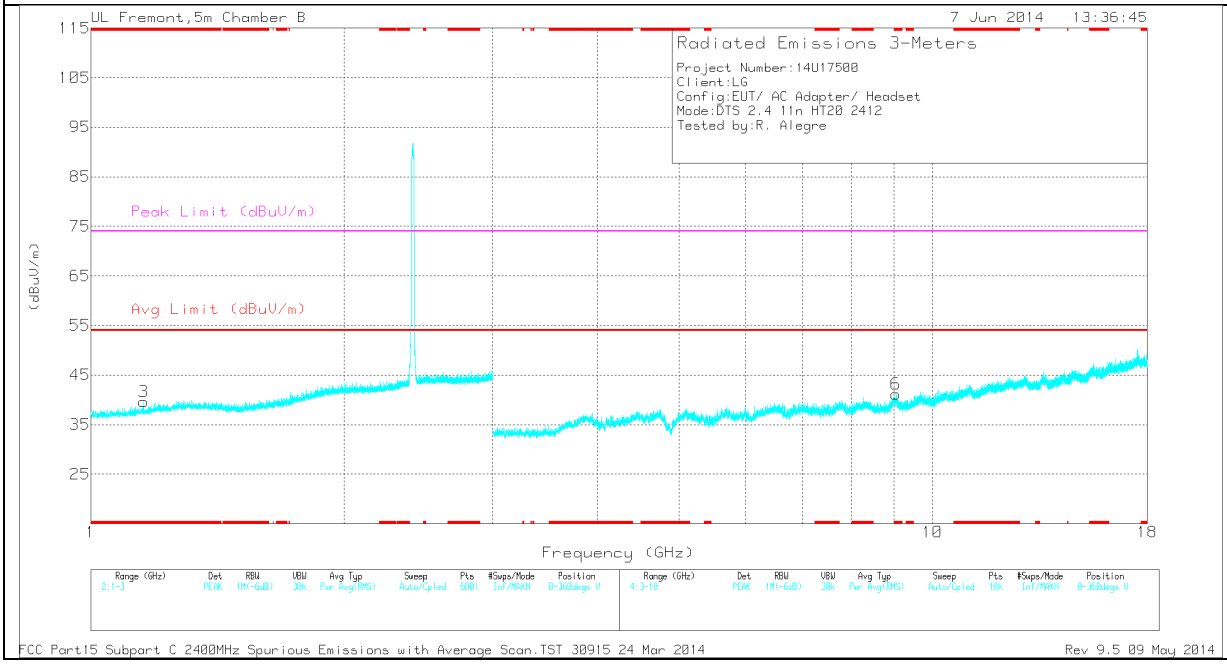
HARMONICS AND SPURIOUS EMISSIONS

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.

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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	* 1.278	36.67	PK	28.7	-24.5	0	40.87	-	-	74	-33.13	0-360	101	H
2	* 1.414	36.39	PK	28.4	-24.4	0	40.39	-	-	74	-33.61	0-360	101	H
3	* 1.154	36.5	PK	27.8	-24.7	0	39.6	-	-	74	-34.4	0-360	201	V
4	* 5.095	33.29	PK	34.2	-28.5	0	38.99	-	-	74	-35.01	0-360	201	H
5	* 8.363	30.33	PK	35.7	-25.1	0	40.93	-	-	74	-33.07	0-360	201	H
6	* 9.042	28.51	PK	36.2	-23.5	0	41.21	-	-	74	-32.79	0-360	201	V

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

PK - Peak detector

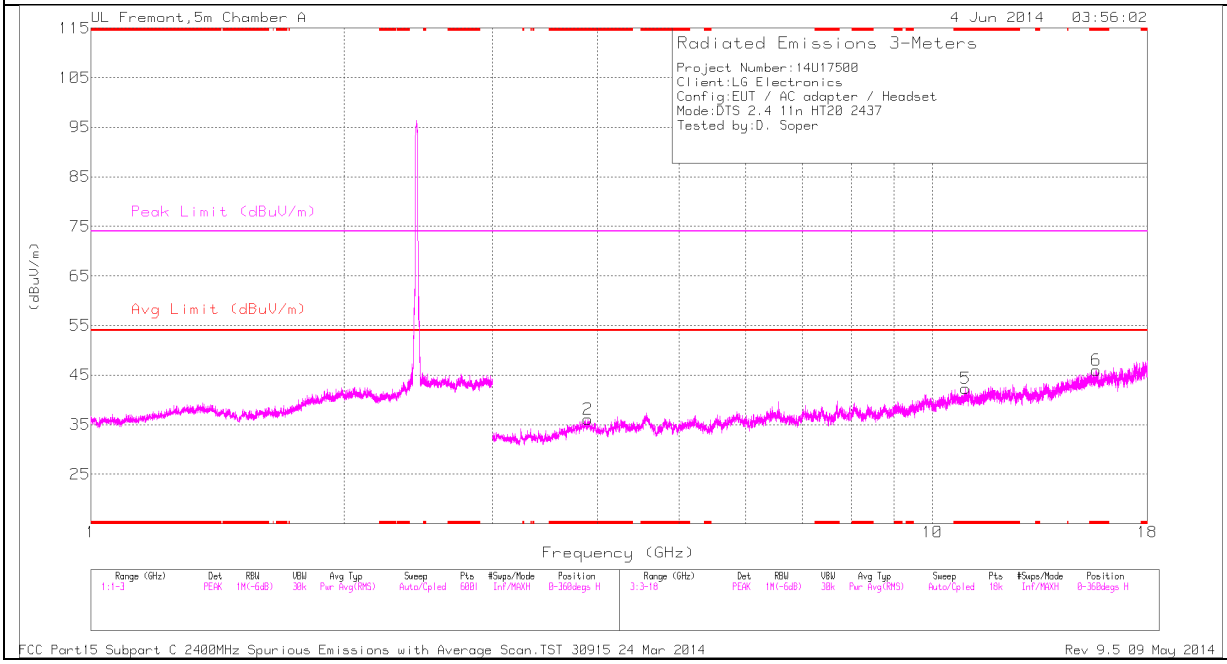
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	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
* 1.279	43.58	PK2	28.7	-24.5	0	47.78	-	-	74	-26.22	1	101	H
* 1.415	44.04	PK2	28.4	-24.4	0	48.04	-	-	74	-25.96	1	101	H
* 1.156	44.88	PK2	27.8	-24.7	0	47.98	-	-	74	-26.02	1	202	V
* 5.094	40.33	PK2	34.2	-28.5	0	46.03	-	-	74	-27.97	1	202	H
* 8.362	37	PK2	35.7	-25.1	0	47.6	-	-	74	-26.4	1	202	H
* 9.043	36.23	PK2	36.2	-23.5	0	48.93	-	-	74	-25.07	1	202	V

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

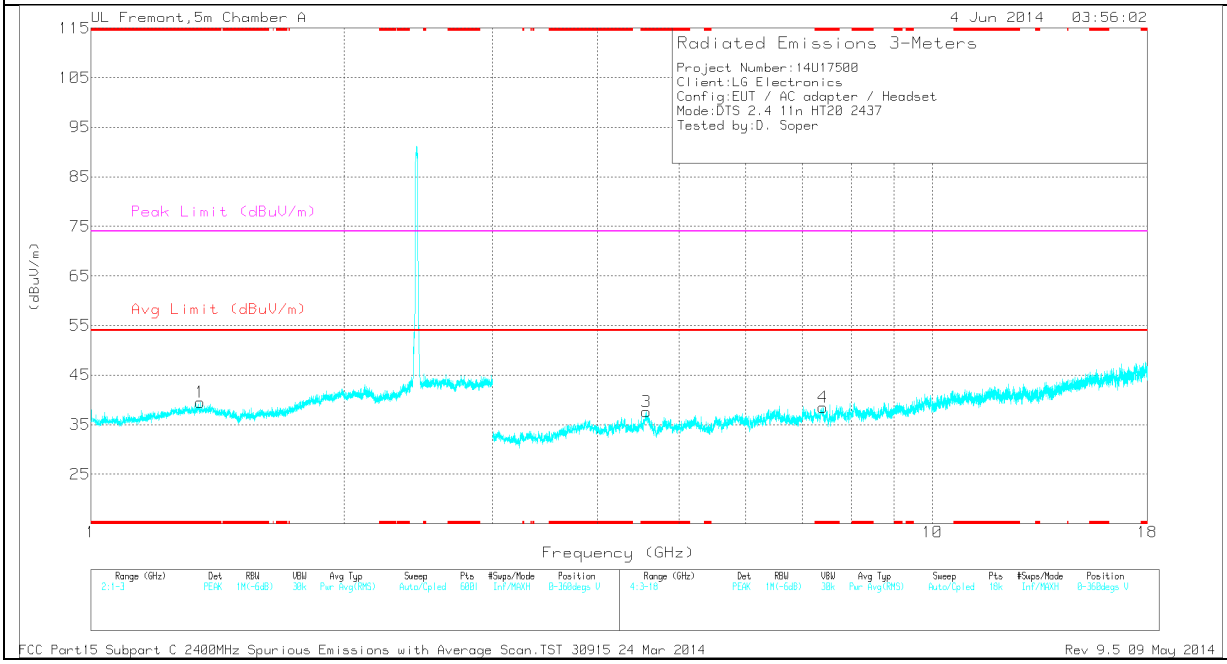
PK2 - KDB558074 Method: Maximum Peak

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.

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	* 1.348	36.01	PK	30	-26.5	0	39.51	-	-	74	-34.49	0-360	200	V
2	* 3.897	32.88	PK	33.8	-30.6	0	36.08	-	-	74	-37.92	0-360	100	H
5	* 10.944	26.49	PK	37.8	-22	0	42.29	-	-	74	-31.71	0-360	200	H
6	* 15.643	25.97	PK	40.4	-20.4	0	45.97	-	-	74	-28.03	0-360	100	H
3	* 4.567	32.07	PK	33.9	-28.4	0	37.57	-	-	74	-36.43	0-360	201	V
4	* 7.406	28.24	PK	35.3	-25.1	0	38.44	-	-	74	-35.56	0-360	201	V

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

PK - Peak detector

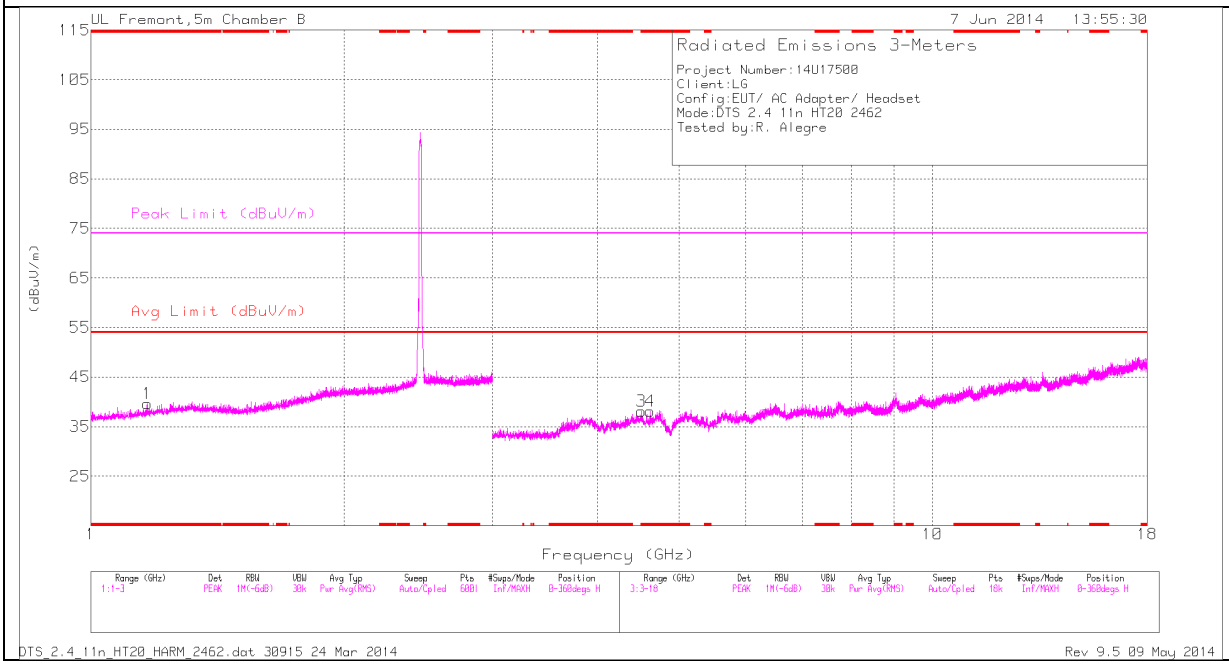
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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
* 4.568	39.78	PK2	33.9	-28.4	0	45.28	-	-	74	-28.72	359	202	V
* 4.569	28.64	MAv1	33.9	-28.5	.2	34.24	54	-19.76	-	-	359	202	V

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

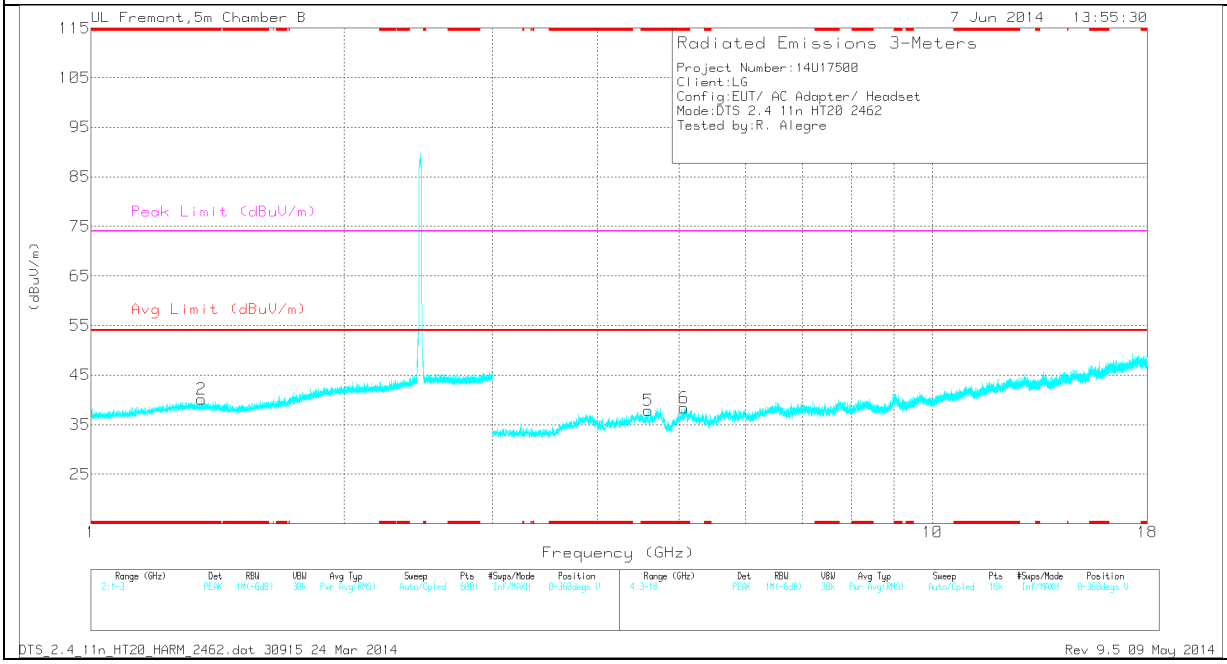
PK2 - KDB558074 Method: Maximum Peak

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.

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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	* 1.168	36.39	PK	27.9	-24.7	0	39.59	-	-	74	-34.41	0-360	202	H
2	* 1.354	35.86	PK	28.7	-24.4	0	40.16	-	-	74	-33.84	0-360	101	V
3	* 4.511	33.65	PK	34	-29.5	0	38.15	-	-	74	-35.85	0-360	201	H
4	* 4.619	34.84	PK	34.2	-30.9	0	38.14	-	-	74	-35.86	0-360	101	H
5	* 4.595	34.8	PK	34.1	-31	0	37.9	-	-	74	-36.1	0-360	101	V
6	* 5.071	32.75	PK	34.2	-28.6	0	38.35	-	-	74	-35.65	0-360	101	V

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

PK - Peak detector

Radiated Emissions

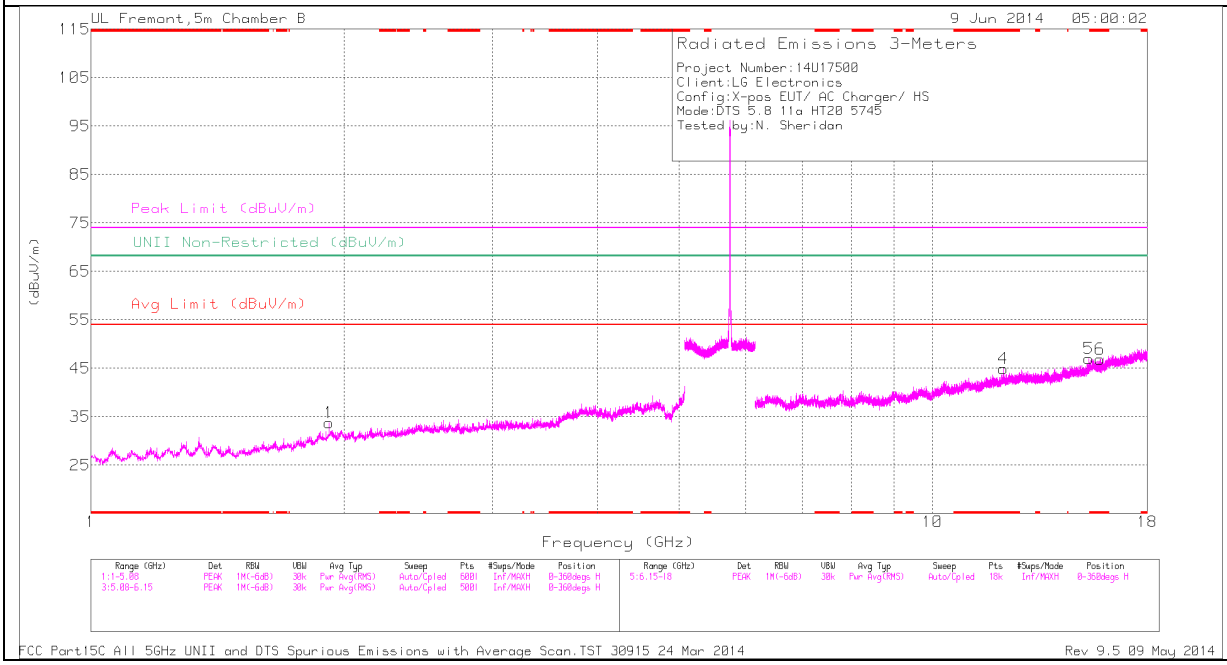
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.166	43.93	PK2	27.9	-24.7	0	47.13	-	-	74	-26.87	1	203	H
* 1.354	43.62	PK2	28.7	-24.4	0	47.92	-	-	74	-26.08	1	102	V
* 4.509	40.43	PK2	34	-29.5	0	44.93	-	-	74	-29.07	1	202	H
* 4.619	42.09	PK2	34.2	-30.9	0	45.39	-	-	74	-28.61	1	102	H
* 4.596	41.5	PK2	34.1	-31	0	44.6	-	-	74	-29.4	1	102	V
* 5.069	39.73	PK2	34.2	-28.6	0	45.33	-	-	74	-28.67	1	102	V

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

PK2 - KDB558074 Method: Maximum Peak

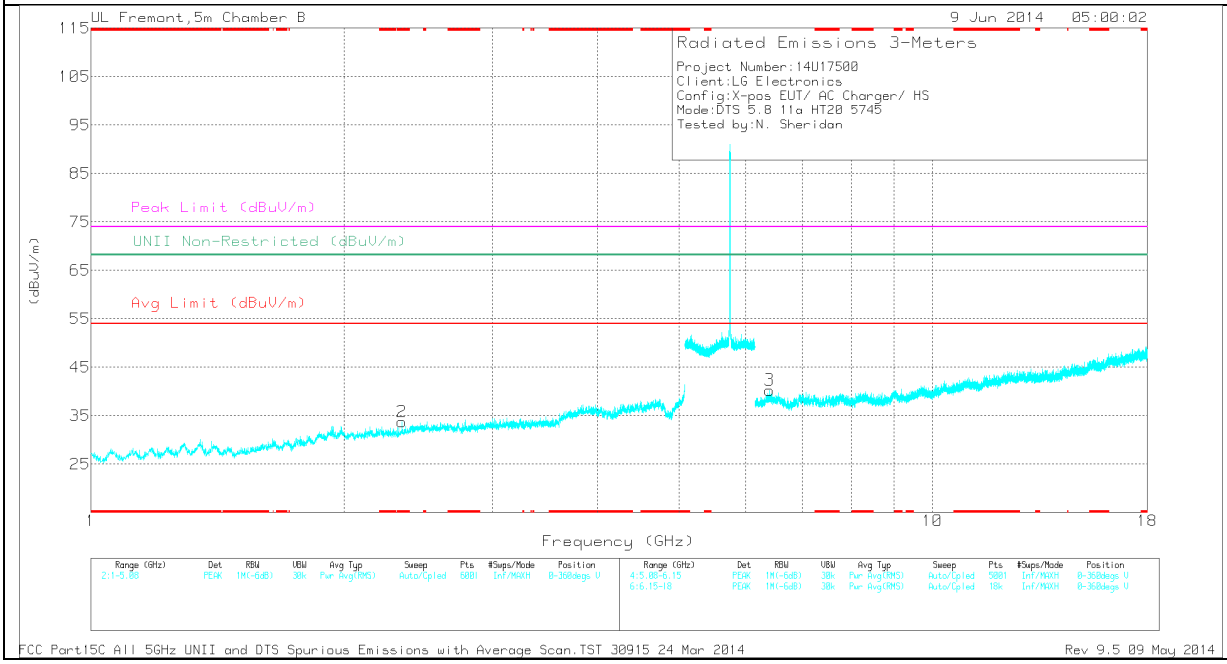
9.2.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL
HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.343	35	PK	31.9	-33.1	0	33.8	-	-	74	-40.2	-	-	0-360	201	V
4	* 12.142	27.43	PK	38.9	-21.4	0	44.93	-	-	74	-29.07	-	-	0-360	100	H
6	* 15.829	26.36	PK	40.7	-20.2	0	46.86	-	-	74	-27.14	-	-	0-360	100	H
1	1.919	35.61	PK	31.1	-32.9	0	33.81	-	-	-	-	68.2	-34.39	0-360	101	H
3	6.399	33.01	PK	35.6	-28.3	0	40.31	-	-	-	-	68.2	-27.89	0-360	100	V
5	15.346	26.87	PK	40.2	-20.1	0	46.97	-	-	-	-	68.2	-21.23	0-360	100	H

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

PK - Peak detector

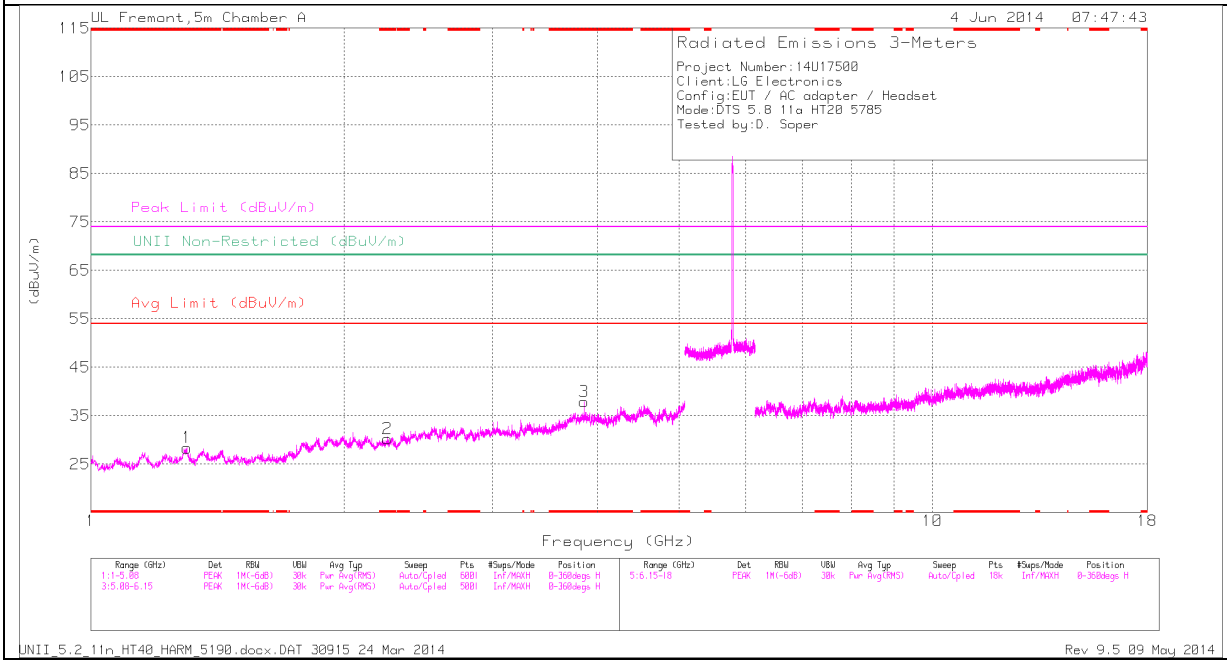
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 15.828	34.01	PK2	40.7	-20.2	0	54.51	-	-	74	-19.49	-	-	303	100	H
* 15.829	22.68	MAv1	40.7	-20.2	.2	43.38	54	-10.62	-	-	-	-	303	100	H
1.919	30.29	MAv1	31.1	-32.9	.2	28.69	-	-	-	-	-	-	303	208	H
1.92	42.41	PK2	31.1	-32.9	0	40.61	-	-	-	-	68.2	-27.59	303	208	H

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

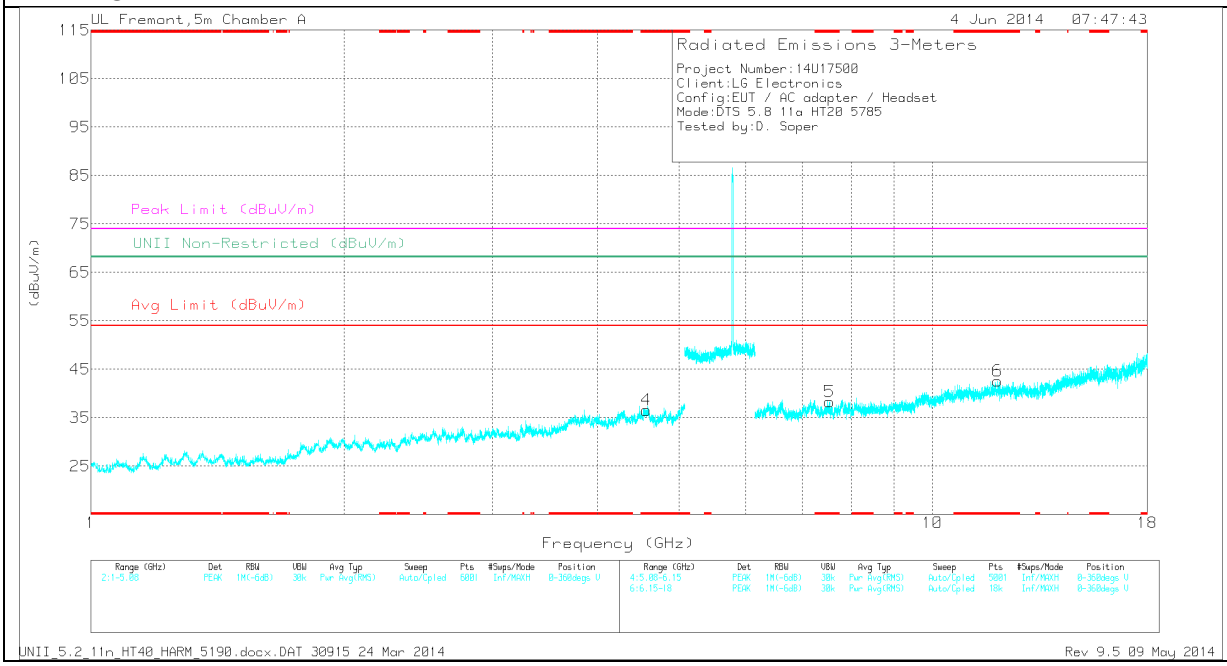
PK2 - KDB558074 Method: Maximum Peak

MID CHANNEL
HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T136 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.3	34.97	PK	30.2	-36.8	0	28.37	-	-	74	-45.63	-	-	0-360	100	H
2	* 2.252	32.15	PK	31.4	-33.3	0	30.25	-	-	74	-43.75	-	-	0-360	200	H
3	* 3.857	35.36	PK	33.7	-31.1	0	37.96	-	-	74	-36.04	-	-	0-360	100	H
4	* 4.568	32.95	PK	33.9	-30.3	0	36.55	-	-	74	-37.45	-	-	0-360	100	V
5	* 7.546	28.82	PK	35.3	-25.8	0	38.32	-	-	74	-35.68	-	-	0-360	200	V
6	* 11.957	25.93	PK	38.9	-22.3	0	42.53	-	-	74	-31.47	-	-	0-360	100	V

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

PK - Peak detector

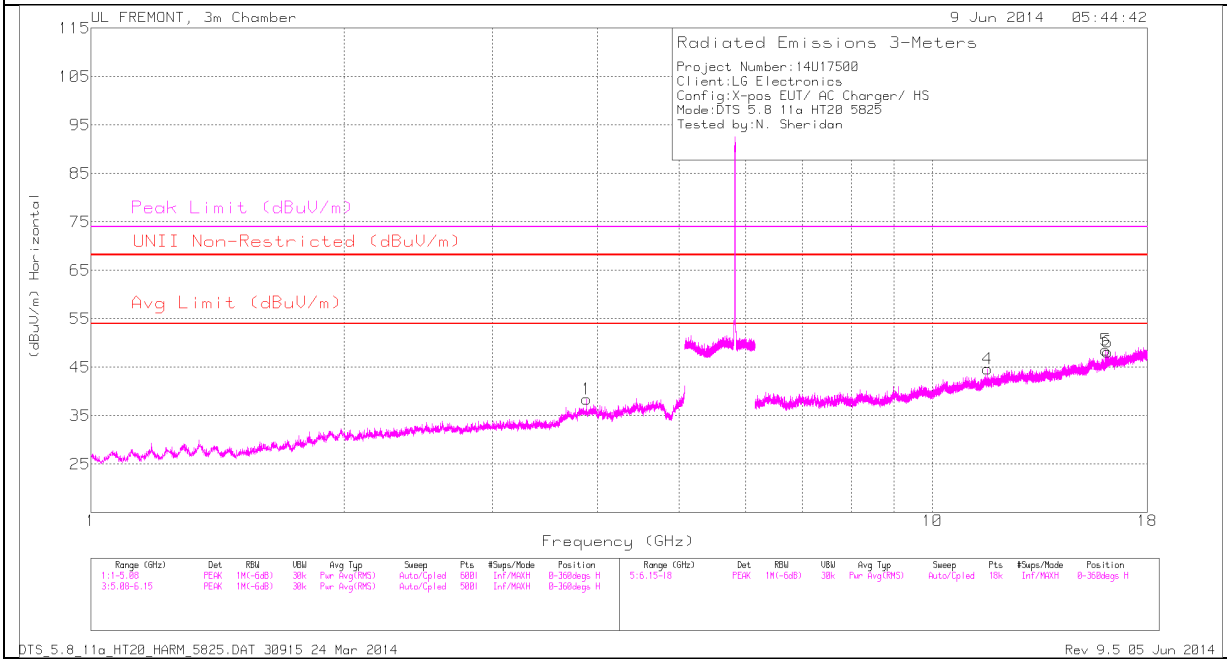
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.854	41.2	PK2	33.7	-31.2	0	43.7	-	-	74	-30.3	-	-	359	100	H
* 3.857	30.52	MAv1	33.7	-31.1	.2	33.32	54	-20.68	-	-	-	-	359	100	H

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

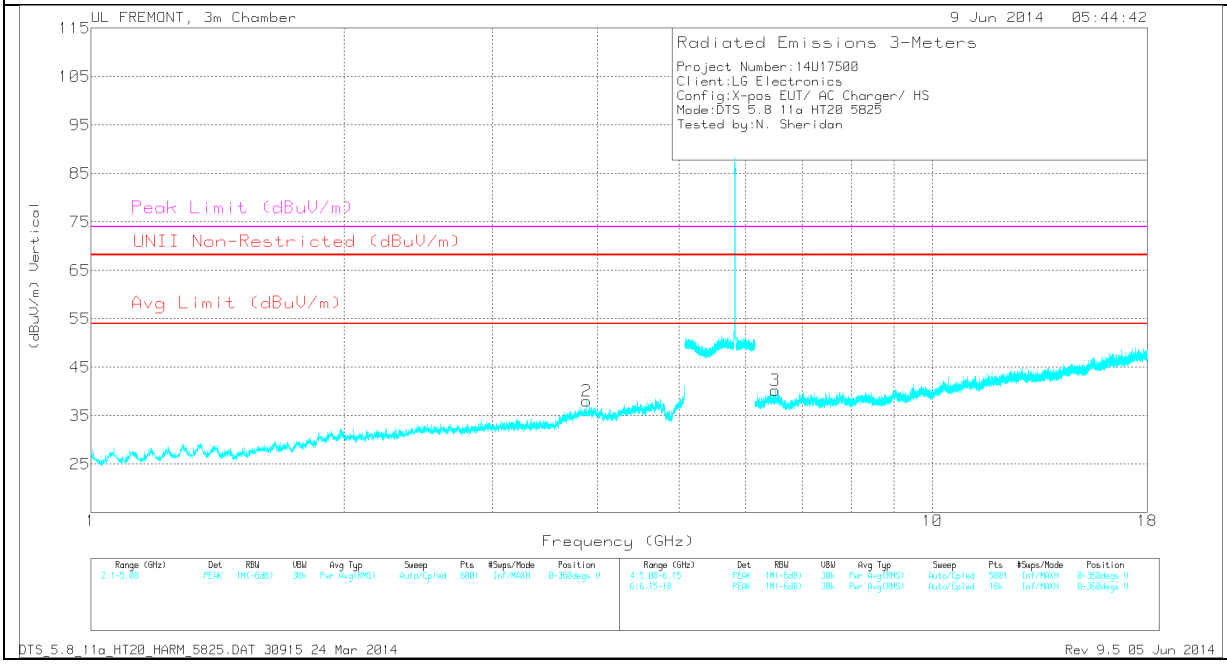
PK2 - KDB558074 Method: Maximum Peak

HIGH CHANNEL
HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.883	35.97	PK	33.8	-31.4	0	38.37	-	-	74	-35.63	-	-	0-360	100	H
2	3.883	35.67	PK	33.8	-31.4	0	38.07	-	-	74	-35.93	-	-	0-360	201	V
3	6.499	33.48	PK	35.7	-28.9	0	40.28	-	-	-	-	68.2	-27.92	0-360	201	V
4	11.62	28.61	PK	38.1	-22.1	0	44.61	-	-	74	-29.39	-	-	0-360	201	H
5	16.074	27.57	PK	41	-20	0	48.57	-	-	74	-25.43	-	-	0-360	101	H
6	16.135	27.14	PK	41	-20	0	48.14	-	-	74	-25.86	-	-	0-360	201	H

PK - Peak detector

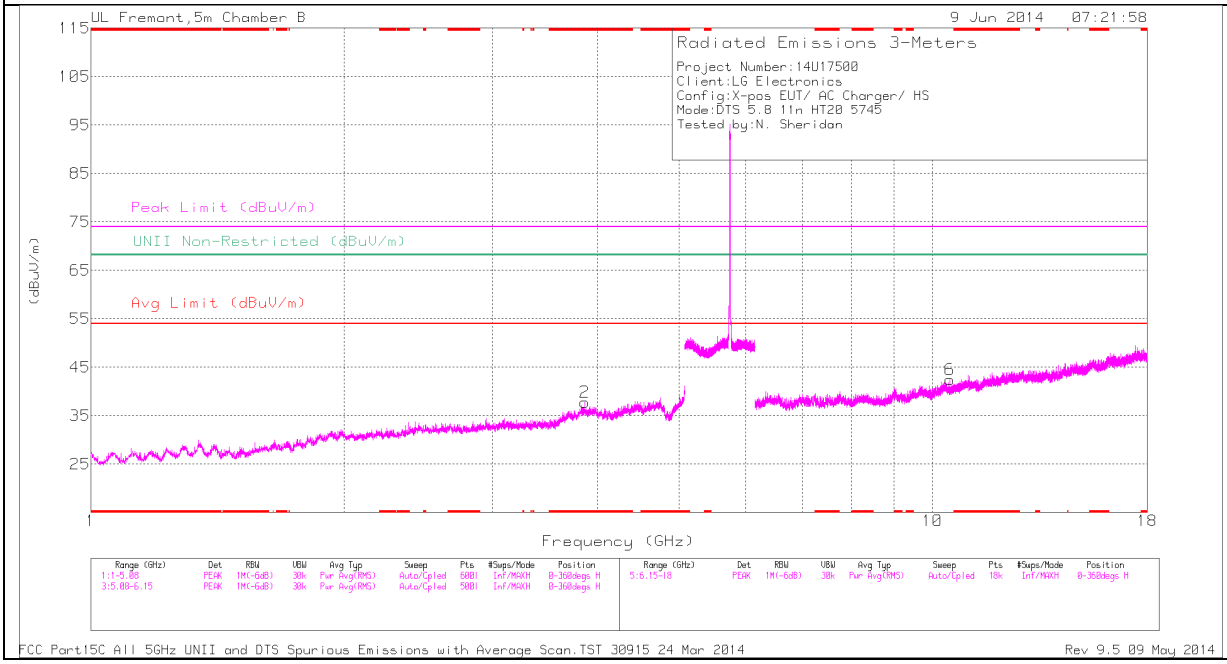
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.883	35.64	MAv1	33.8	-31.4	.2	38.25	54	-15.75	-	-	-	-	3	239	H
3.884	43.56	PK2	33.8	-31.4	0	45.96	-	-	74	-28.04	-	-	3	239	H
16.075	32.96	PK2	41	-20	0	53.96	-	-	74	-20.04	-	-	3	102	H
16.076	22.83	MAv1	41	-20	.2	44.04	54	-9.96	-	-	-	-	3	102	H

PK2 - KDB558074 Method: Maximum Peak

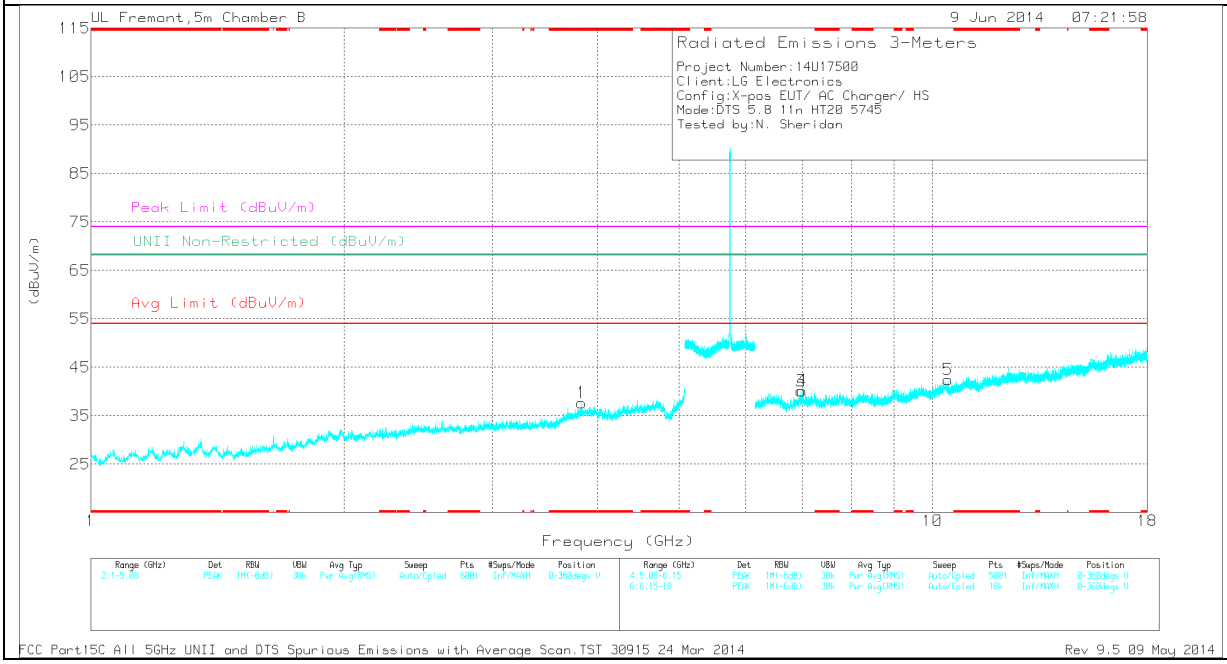
9.2.1. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL
HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.863	35.56	PK	33.7	-31.5	0	37.76	-	-	74	-36.24	-	-	0-360	102	H
1	* 3.83	35.21	PK	33.7	-31.2	0	37.71	-	-	74	-36.29	-	-	0-360	201	V
3	6.977	31.86	PK	35.6	-27.3	0	40.16	-	-	-	-	68.2	-28.04	0-360	101	V
4	7.007	31.68	PK	35.6	-27.1	0	40.18	-	-	-	-	68.2	-28.02	0-360	201	V
5	10.432	28.23	PK	37.4	-23.2	0	42.43	-	-	-	-	68.2	-25.77	0-360	101	V
6	10.491	28.23	PK	37.5	-23.3	0	42.43	-	-	-	-	68.2	-25.77	0-360	101	H

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

PK - Peak detector

Radiated Emissions

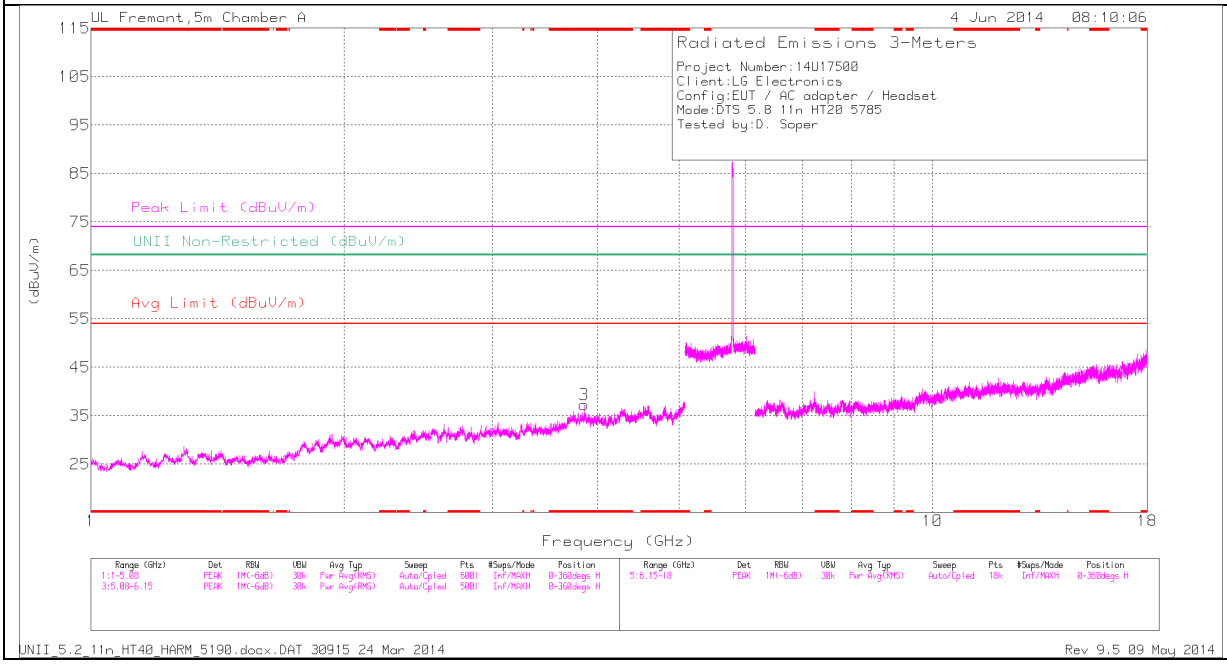
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.832	41.68	PK2	33.7	-31.2	0	44.18	-	-	74	-29.82	-	-	1	202	V
* 3.83	30.95	MAv1	33.7	-31.2	.2	33.65	54	-20.35	-	-	-	-	1	202	V
* 3.83	42.01	PK2	33.7	-31.2	0	44.51	-	-	74	-29.49	-	-	1	202	V
* 3.83	30.86	MAv1	33.7	-31.2	.2	33.56	54	-20.44	-	-	-	-	1	202	V
* 3.83	26.92	RMS	33.7	-31.2	.2	29.62	-	-	-	-	-	-	1	202	V
* 3.83	25.62	RMS	33.7	-31.2	.2	28.32	-	-	-	-	-	-	1	202	V
10.492	35.85	PK2	37.5	-23.3	0	50.05	-	-	-	-	68.2	-18.15	0	182	H
10.492	23.67	MAv1	37.5	-23.3	.2	38.07	-	-	-	-	-	-	0	182	H
10.492	23.44	RMS	37.5	-23.3	.2	37.84	-	-	-	-	-	-	0	182	H
10.492	23.57	RMS	37.5	-23.3	.2	37.97	-	-	-	-	-	-	0	182	H

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

RMS - RMS detection

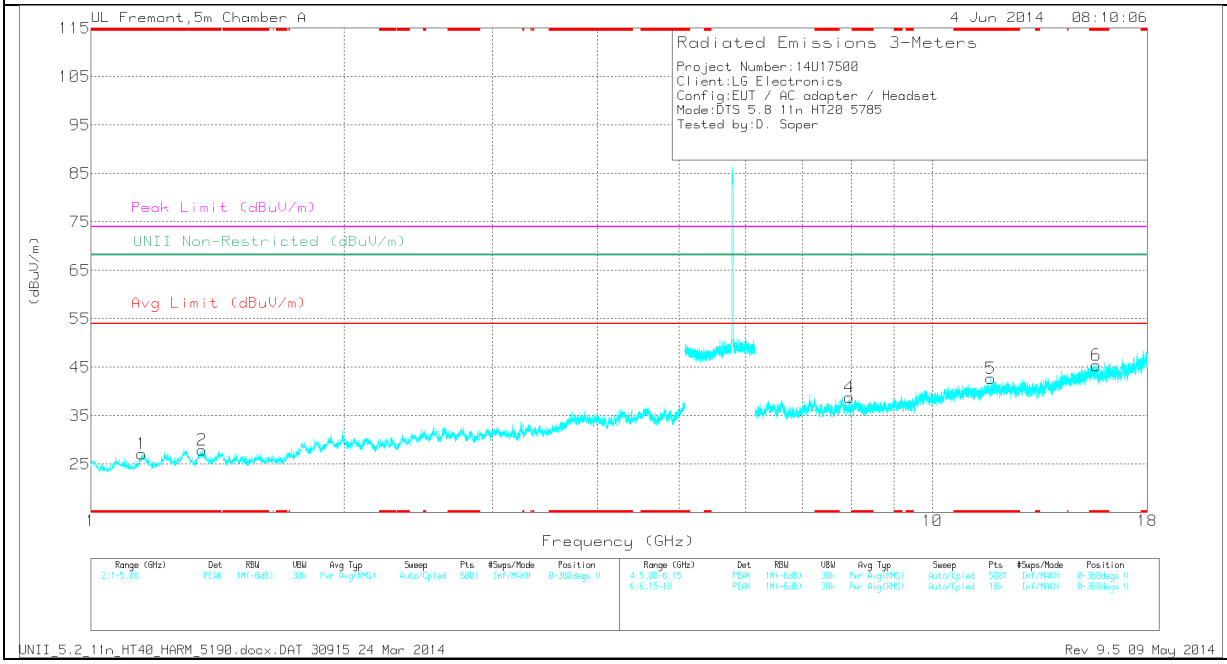
PK2 - KDB558074 Method: Maximum Peak

MID CHANNEL
HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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 T136 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 3.857	34.64	PK	33.7	-31.1	0	37.24	-	-	74	-36.76	-	-	0-360	100	H
1	* 1.149	34.84	PK	28.8	-36.5	0	27.14	-	-	74	-46.86	-	-	0-360	100	V
2	* 1.356	34.73	PK	30	-36.8	0	27.93	-	-	74	-46.07	-	-	0-360	100	V
5	* 11.732	25.97	PK	38.7	-21.9	0	42.77	-	-	74	-31.23	-	-	0-360	200	V
6	* 15.664	25.18	PK	40.4	-20.2	0	45.38	-	-	74	-28.62	-	-	0-360	100	V
4	7.966	29.31	PK	35.5	-26	0	38.81	-	-	-	-	68.2	-29.39	0-360	200	V

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

PK - Peak detector

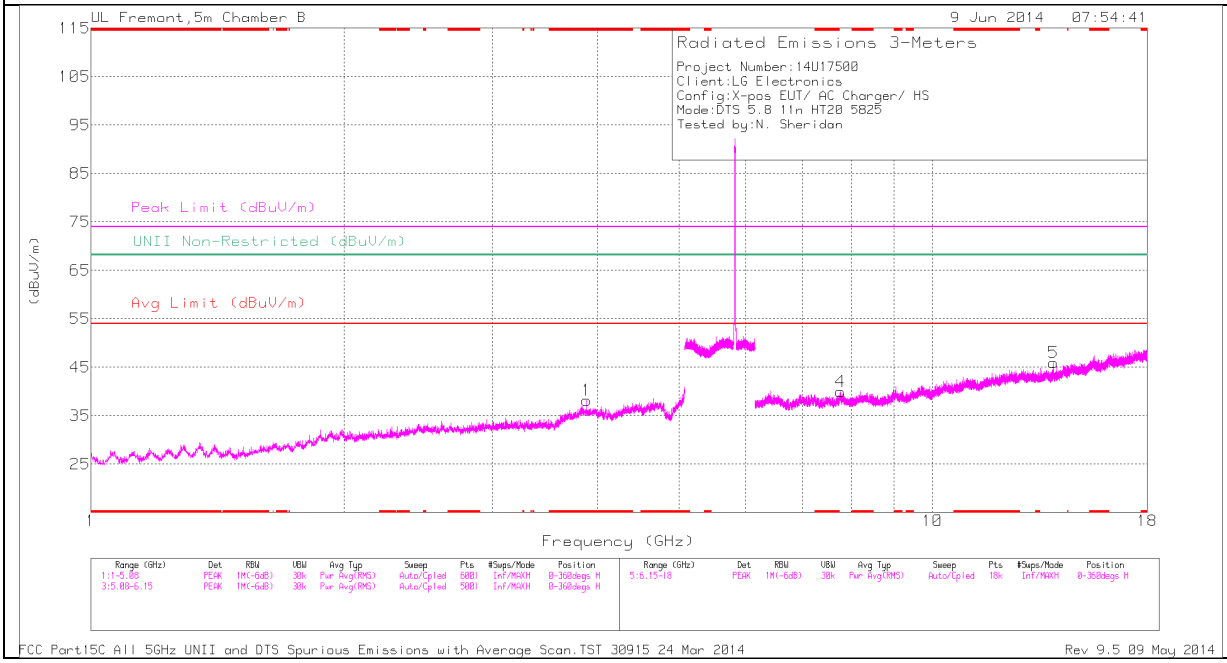
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.857	40.43	PK2	33.7	-31.1	0	43.03	-	-	74	-30.97	-	-	359	100	H
* 3.857	30.56	MAv1	33.7	-31.1	.2	33.36	54	-20.64	-	-	-	-	359	100	H

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

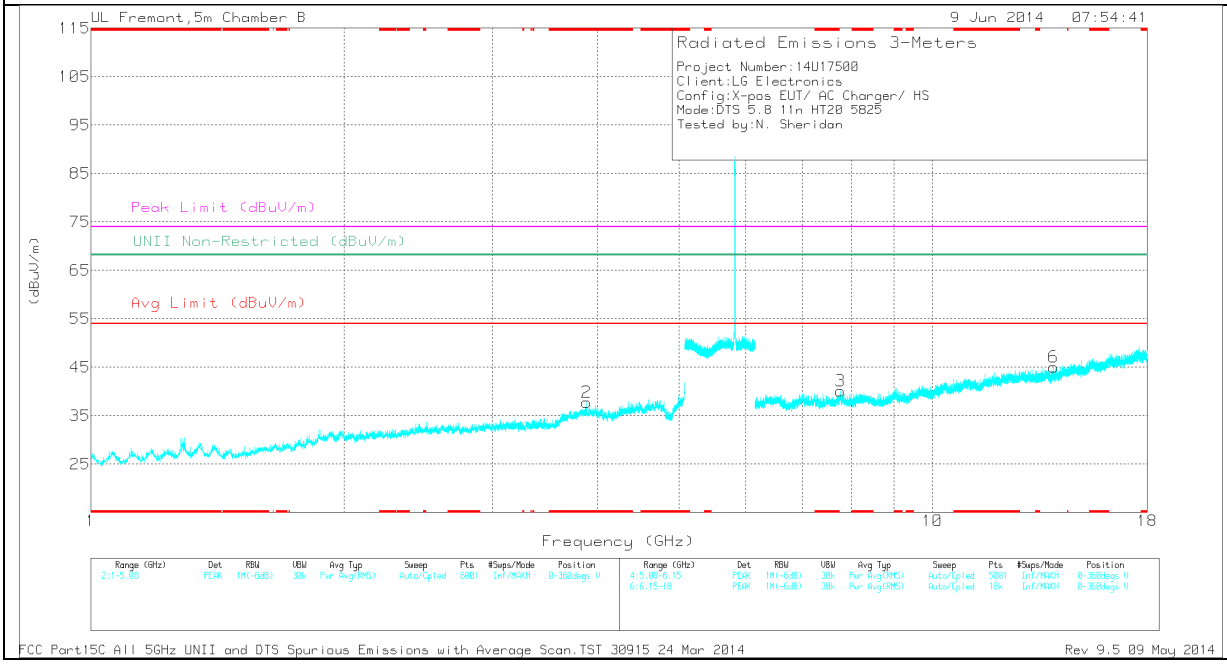
PK2 - KDB558074 Method: Maximum Peak

HIGH CHANNEL
HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.883	35.81	PK	33.8	-31.4	0	38.21	-	-	74	-35.79	-	-	0-360	101	H
2	* 3.883	35.35	PK	33.8	-31.4	0	37.75	-	-	74	-36.25	-	-	0-360	101	V
4	7.773	30.53	PK	35.7	-26.3	0	39.93	-	-	-	-	68.2	-28.27	0-360	200	H
3	7.775	30.65	PK	35.7	-26.2	0	40.15	-	-	-	-	68.2	-28.05	0-360	201	V
5	13.923	27.87	PK	38.6	-20.5	0	45.97	-	-	-	-	68.2	-22.23	0-360	200	H
6	13.923	26.99	PK	38.6	-20.5	0	45.09	-	-	-	-	68.2	-23.11	0-360	201	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)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.885	41.91	PK2	33.8	-31.4	0	44.31	-	-	74	-29.69	-	-	32	136	H
* 3.883	30.08	MAv1	33.8	-31.4	.2	32.68	54	-21.32	-	-	-	-	32	136	H
* 3.883	30.51	RMS	33.8	-31.4	.2	33.11	-	-	-	-	-	-	32	136	H
* 3.882	41.95	PK2	33.8	-31.5	0	44.25	-	-	74	-29.75	-	-	32	102	V
* 3.883	30.5	MAv1	33.8	-31.5	.2	33	54	-21	-	-	-	-	32	102	V
* 3.883	30.54	RMS	33.8	-31.5	.2	33.04	-	-	-	-	-	-	32	102	V
* 3.883	30.79	RMS	33.8	-31.5	.2	33.29	-	-	-	-	-	-	32	102	V
* 3.883	31.22	RMS	33.8	-31.5	.2	33.72	-	-	-	-	-	-	32	102	V

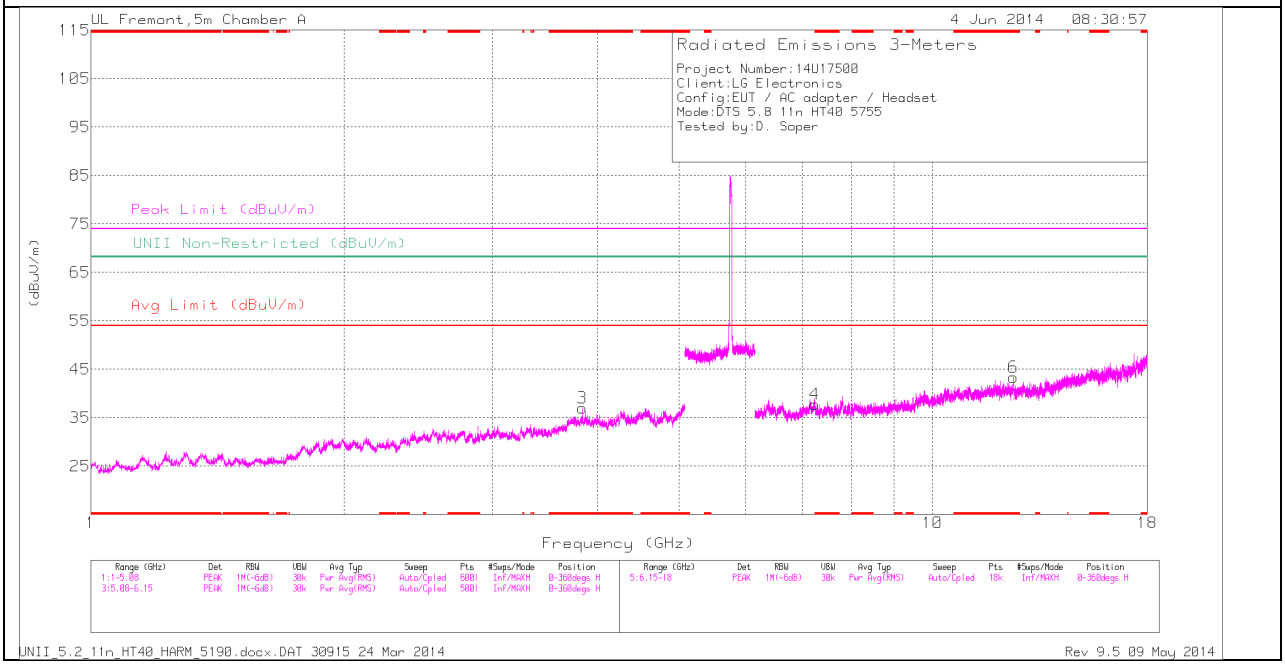
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

RMS - RMS detection

PK2 - KDB558074 Method: Maximum Peak

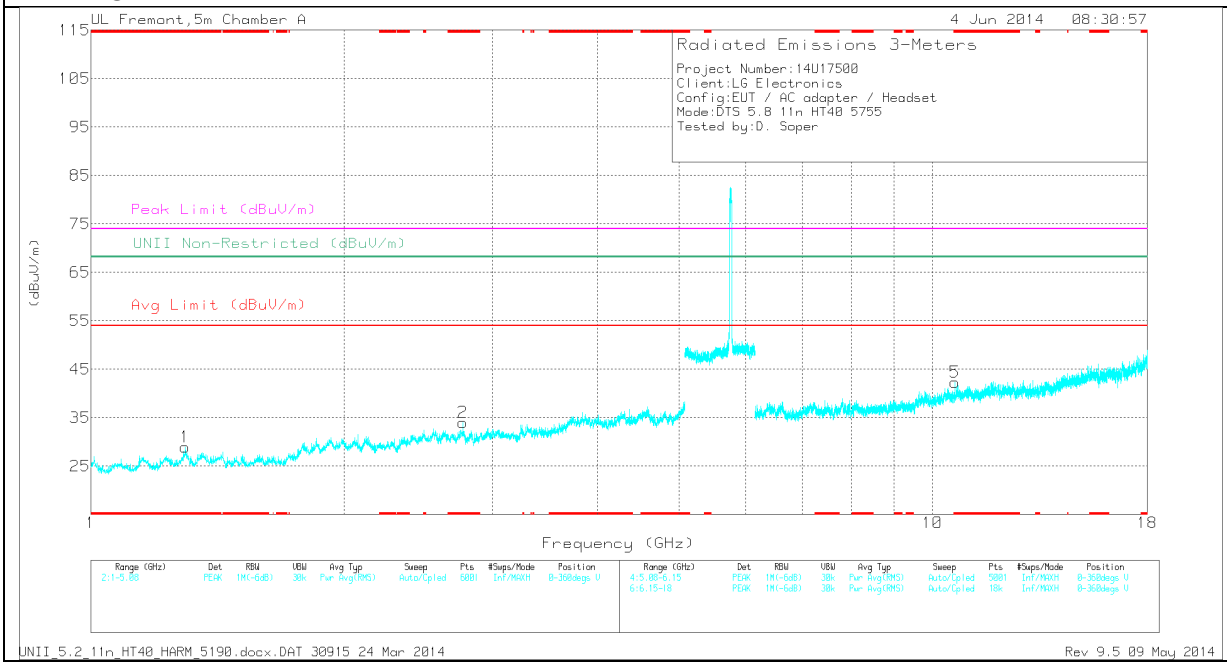
9.2.1. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL
HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 3.837	34.18	PK	33.7	-30.9	0	36.98	-	-	74	-37.02	-	-	0-360	100	H
1	* 1.294	35.59	PK	30.2	-36.8	0	28.99	-	-	74	-45.01	-	-	0-360	201	V
2	* 2.767	33.73	PK	32.7	-32.4	0	34.03	-	-	74	-39.97	-	-	0-360	201	V
6	* 12.474	26.57	PK	38.9	-22.1	0	43.37	-	-	74	-30.63	-	-	0-360	200	H
5	* 10.626	26.48	PK	37.7	-21.9	0	42.28	-	-	74	-31.72	-	-	0-360	200	V
4	7.247	27.94	PK	35.2	-25.4	0	37.74	-	-	-	-	68.2	-30.46	0-360	200	H

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

PK - Peak detector

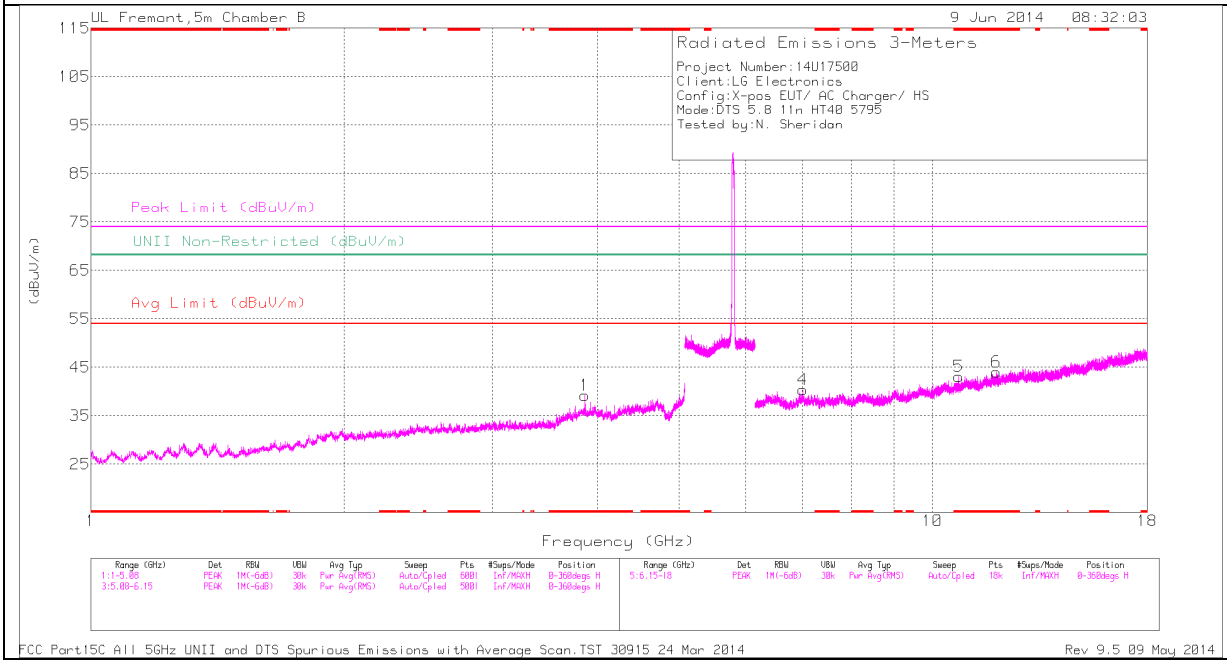
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.837	40.7	PK2	33.7	-30.9	0	43.5	-	-	74	-30.5	-	-	359	100	H
* 3.837	30.67	MAv1	33.7	-30.9	.5	33.77	54	-20.23	-	-	-	-	359	100	H

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

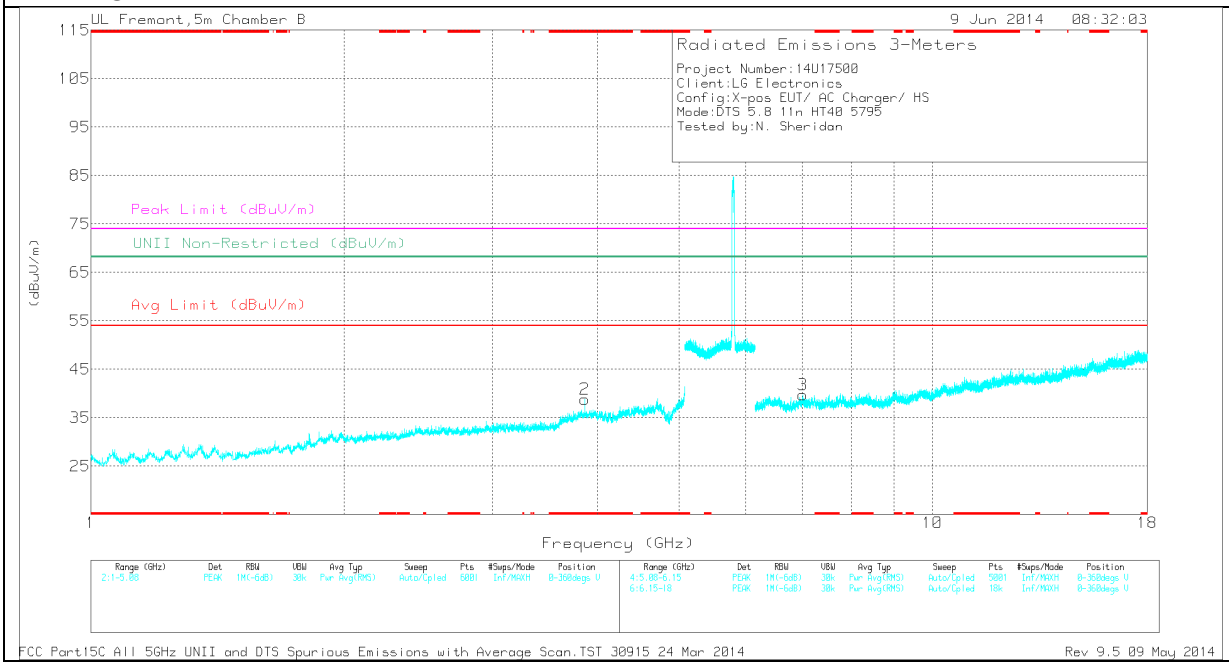
PK2 - KDB558074 Method: Maximum Peak

HIGH CHANNEL
HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; 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)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.863	36.96	PK	33.7	-31.5	0	39.16	-	-	74	-34.84	-	-	0-360	100	H
2	* 3.863	36.61	PK	33.7	-31.5	0	38.81	-	-	74	-35.19	-	-	0-360	201	V
5	* 10.739	28.3	PK	37.8	-23	0	43.1	-	-	74	-30.9	-	-	0-360	201	H
6	* 11.919	27.04	PK	38.6	-21.6	0	44.04	-	-	74	-29.96	-	-	0-360	201	H
4	7.011	31.86	PK	35.6	-27.1	0	40.36	-	-	-	-	68.2	-27.84	0-360	201	H
3	7.014	31.34	PK	35.6	-27.2	0	39.74	-	-	-	-	68.2	-28.46	0-360	201	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)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.863	43.87	PK2	33.7	-31.5	0	46.07	-	-	74	-27.93	-	-	1	101	H
* 3.863	34.22	MAv1	33.7	-31.5	.5	36.92	54	-17.08	-	-	-	-	1	101	H
* 3.863	33.4	RMS	33.7	-31.5	.5	36.1	-	-	-	-	-	-	1	101	H
* 3.862	41.98	PK2	33.7	-31.5	0	44.18	-	-	74	-29.82	-	-	1	202	V
* 3.863	31.1	MAv1	33.7	-31.5	.5	33.8	54	-20.2	-	-	-	-	1	202	V
* 3.863	32.73	RMS	33.7	-31.5	.5	35.43	-	-	-	-	-	-	1	202	V

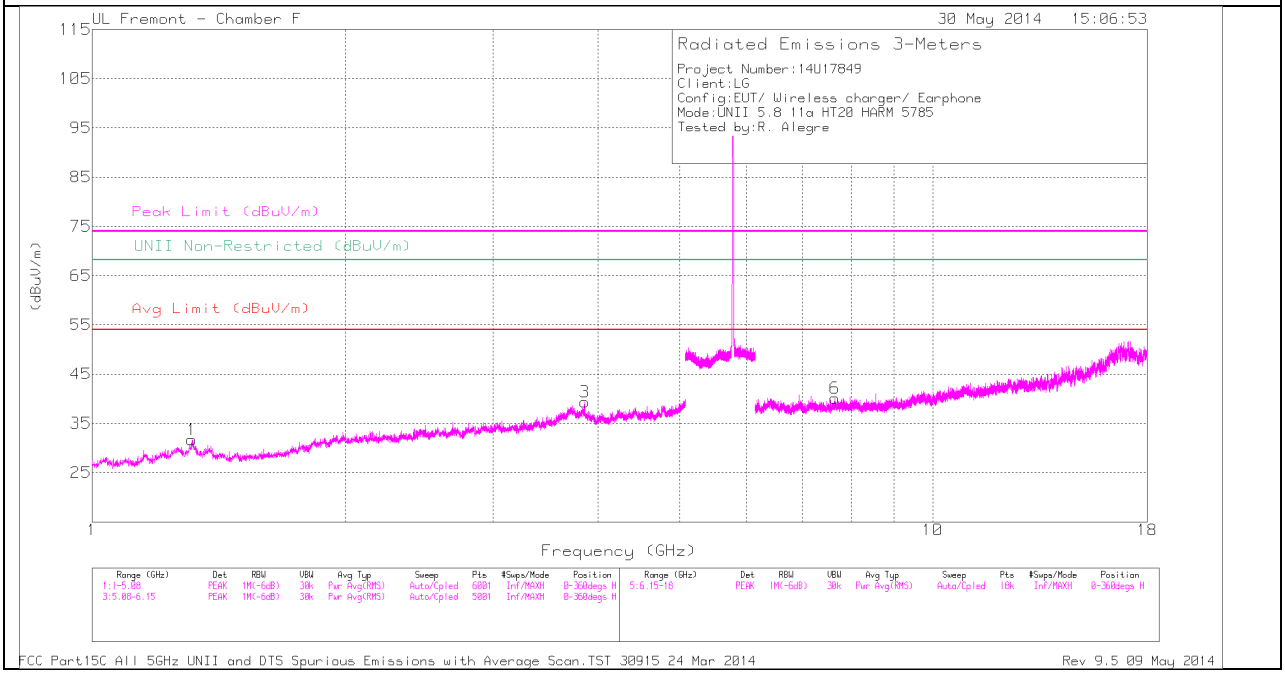
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

RMS - RMS detection

PK2 - KDB558074 Method: Maximum Peak

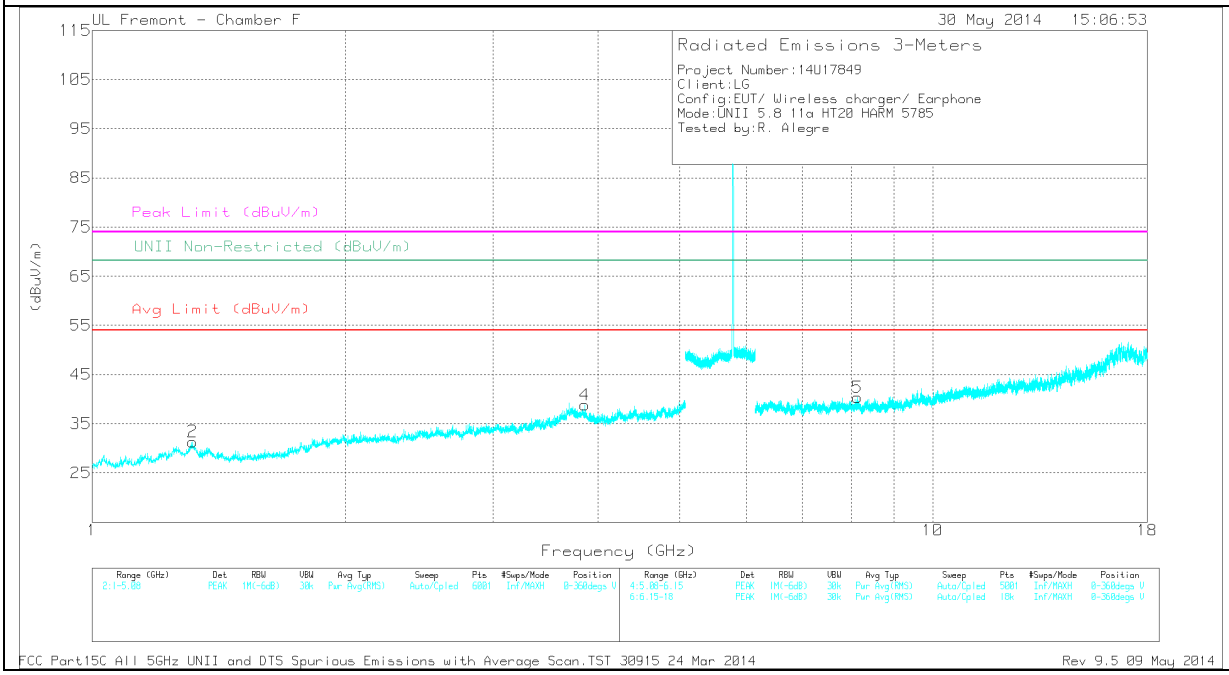
9.2.1. TX ABOVE 1 GHz 802.11a HT20 MODE IN THE 5.8 GHz BAND HARMONICS AND SPURIOUS EMISSIONS WITH WPC AND BACK COVER

HIGH CHANNEL
HORIZONTAL



Note: Emission was scanned up to 40GHz; 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 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.314	33.18	PK	29.9	-31.4	0	31.68	-	-	74	-42.32	-	-	0-360	200	H
3	* 3.857	34.51	PK	34.2	-29.4	0	39.31	-	-	74	-34.69	-	-	0-360	200	H
2	* 1.317	32.84	PK	29.9	-31.4	0	31.34	-	-	74	-42.66	-	-	0-360	101	V
4	* 3.857	34.02	PK	34.2	-29.4	0	38.82	-	-	74	-35.18	-	-	0-360	201	V
6	* 7.651	30.21	PK	35.6	-25.7	0	40.11	-	-	74	-33.89	-	-	0-360	101	H
5	* 8.144	29.63	PK	35.7	-25	0	40.33	-	-	74	-33.67	-	-	0-360	201	V

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

PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.856	39.96	PK1	34.2	-29.4	0	44.76	-	-	74	-29.24	-	-	360	201	H
* 1.315	41.23	PK1	29.9	-31.4	0	39.73	-	-	74	-34.27	-	-	360	201	H
* 3.856	39.02	PK1	34.2	-29.4	0	43.82	-	-	74	-30.18	-	-	360	202	V
* 1.316	41.3	PK1	29.9	-31.4	0	39.8	-	-	74	-34.2	-	-	360	102	V
* 7.653	37.23	PK1	35.6	-25.7	0	47.13	-	-	74	-26.87	-	-	360	102	H
* 8.143	36.97	PK1	35.7	-25	0	47.67	-	-	74	-26.33	-	-	360	202	V
* 8.143	26.04	MAv 1	35.7	-25	0.5	36.74	54	-17.26	-	-	-	-	360	202	V

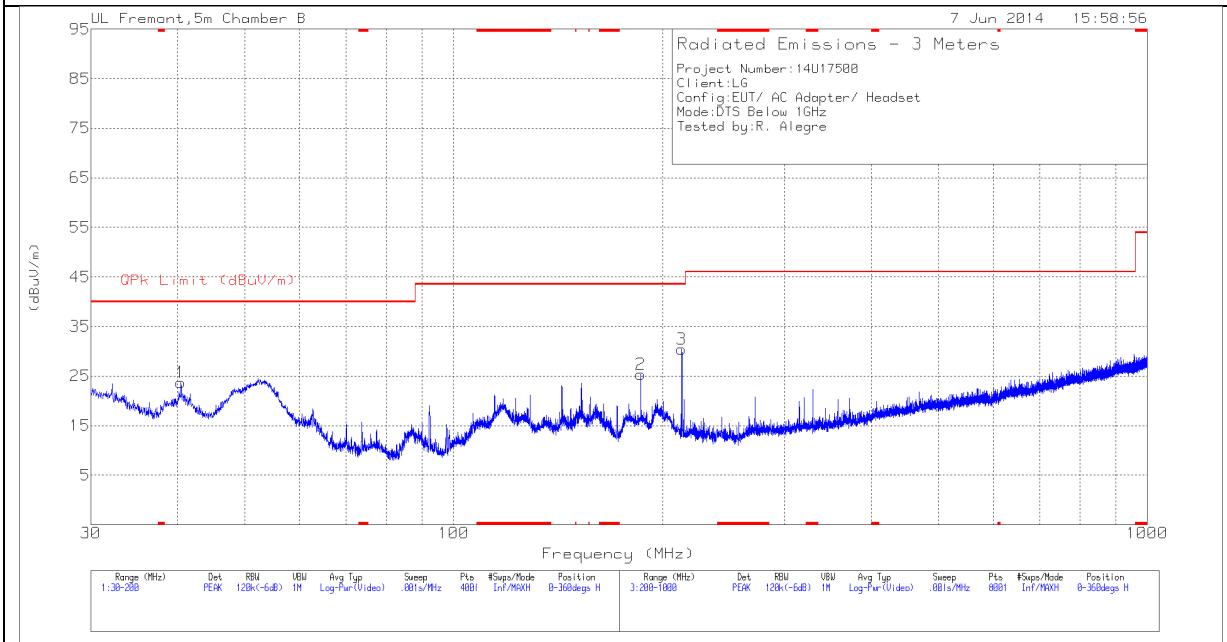
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

9.3. WORST-CASE BELOW 1 GHz

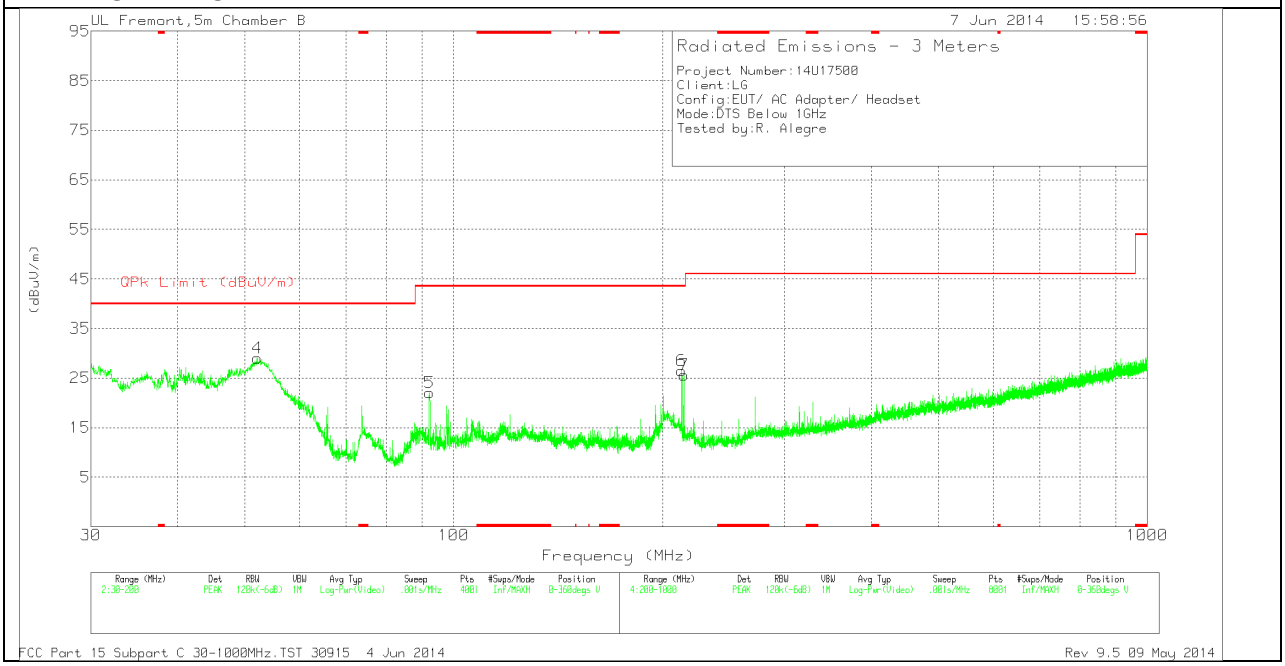
SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)

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 T243 (dB/m)	Amp/Cbl (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.455	38.82	PK	13.6	-28.7	0	23.72	40	-16.28	0-360	200	H
4	52.1	50.09	PK	7.5	-28.6	0	28.99	40	-11.01	0-360	101	V
5	92.305	41.91	PK	8.2	-28.1	0	22.01	43.52	-21.51	0-360	101	V
2	186.1025	41.5	PK	10.9	-27	0	25.4	43.52	-18.12	0-360	100	H
3	213.3	46.75	PK	10.5	-26.8	0	30.45	43.52	-13.07	0-360	101	H
6	213.3	42.8	PK	10.5	-26.8	0	26.5	43.52	-17.02	0-360	200	V
7	214.8	41.79	PK	10.6	-26.8	0	25.59	43.52	-17.93	0-360	200	V

PK - Peak detector