



**FCC 47 CFR PART 15 SUBPART E
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: 14U17500-5

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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: JUNE 4-16, 2014

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

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

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 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
<input checked="" type="checkbox"/> Chamber A	<input checked="" type="checkbox"/> Chamber D
<input checked="" type="checkbox"/> Chamber B	<input type="checkbox"/> Chamber E
<input type="checkbox"/> Chamber C	<input type="checkbox"/> Chamber F

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:

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

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
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)
5180-5240	802.11a	11.56	14.32
5180-5240	802.11n HT20	11.49	14.09
5190-5230	802.11n HT40	11.62	14.52
5260-5320	802.11a	11.56	14.32
5260-5320	802.11n HT20	11.45	13.96
5270-5310	802.11n HT40	11.16	13.06
5500-5700	802.11a	11	12.59
5500-5700	802.11n HT20	11.16	13.06
5510-5670	802.11n HT40	10.85	12.16

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an FPCB antenna, with a maximum gain of -4.22dBi.

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 the X orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in the X orientation.

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

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

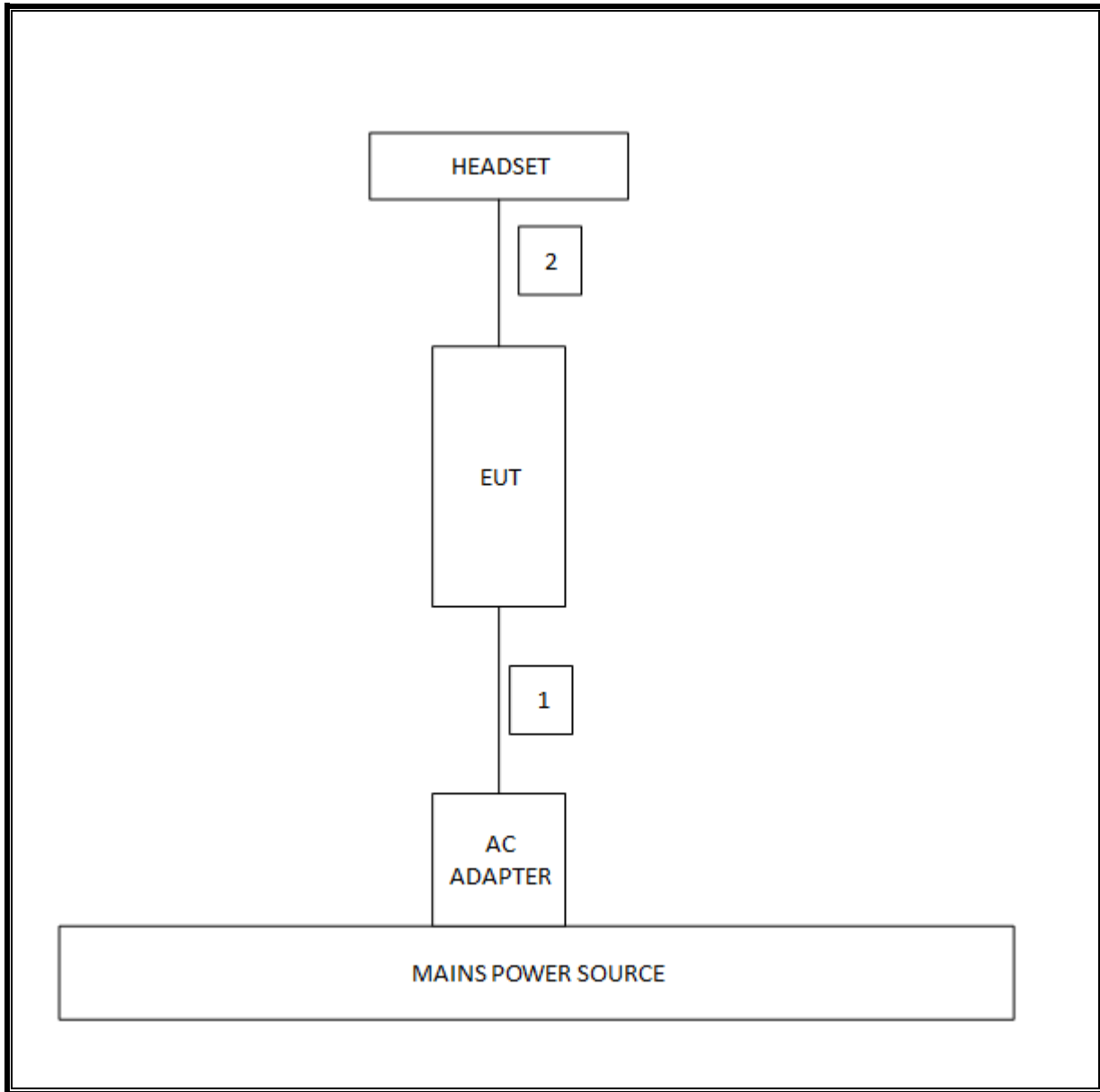
I/O CABLES

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	1.0m	N/A

TEST SETUP

The EUT is setup as a stand-alone device.

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. SUMMARY TABLE

FCC Part Section	Test Description	Test Limit	Test Condition	Test Result	Worst Case
15.247 (a)	Occupied Band width (26dB)	N/A	Conducted	Pass	see original
2.1051, 15.407 (b)	Band Edge / Conducted Spurious Emission	54dBuV/m (avg)		Pass	see original
15.407 (a)(1)	TX Cond. Power 5.15-2.25	<17dBm or 4+10Log(OBW)		Pass	see original
15.407 (a)(2)	TX Cond. Power 5.25-5.35 & 5.47-5.725	<24dBm or 11+10Log(OBW)		Pass	see original
15.407 (a)(3)	TX Cond. Power 5.725-5.825	< 30dBm or 17+10Log(OBW)		Pass	see original
15.407 (a)(5)	PSD	<8dBm		Pass	see original
15.407 (a)(6)	Peak Excursion Ratio	13dB		Pass	see original
15.207 (a)	AC Power Line conducted emissions	Section 10	Radiated	Pass	see original
15.407 (b) & 15.209	Radiated Spurious Emission	< 54dBuV/m		Pass	47.08dBuV/m
15.407 (h)(2)	Dynamic Frequency Selection	N/A	Radiated / Conducted	Pass	see original

8. ON TIME, DUTY CYCLE AND MEASUREMENT METHODS

LIMITS

None; for reporting purposes only.

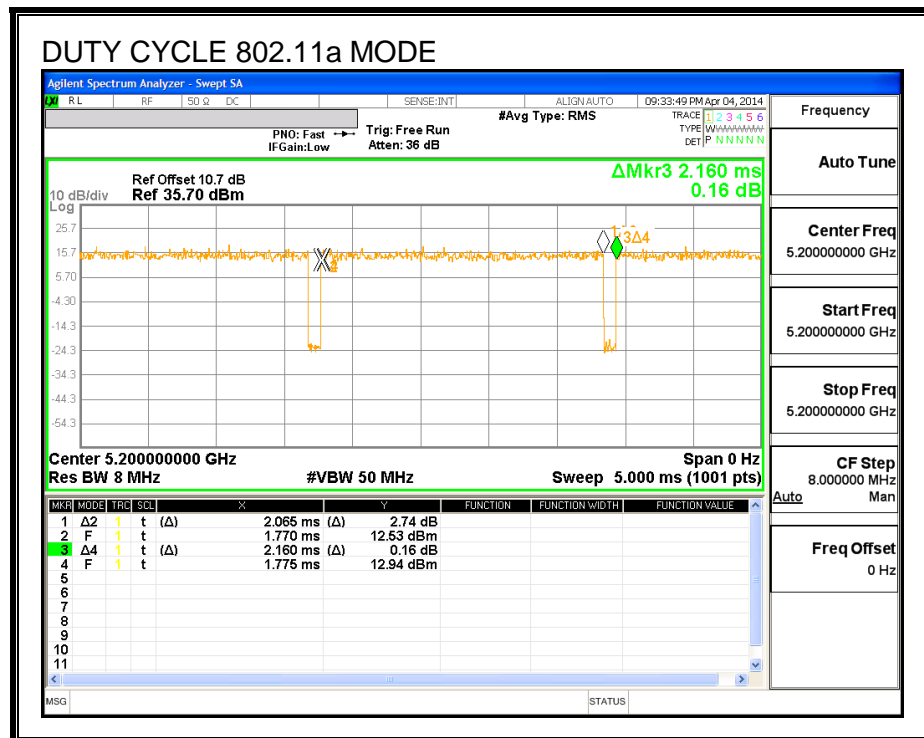
PROCEDURE

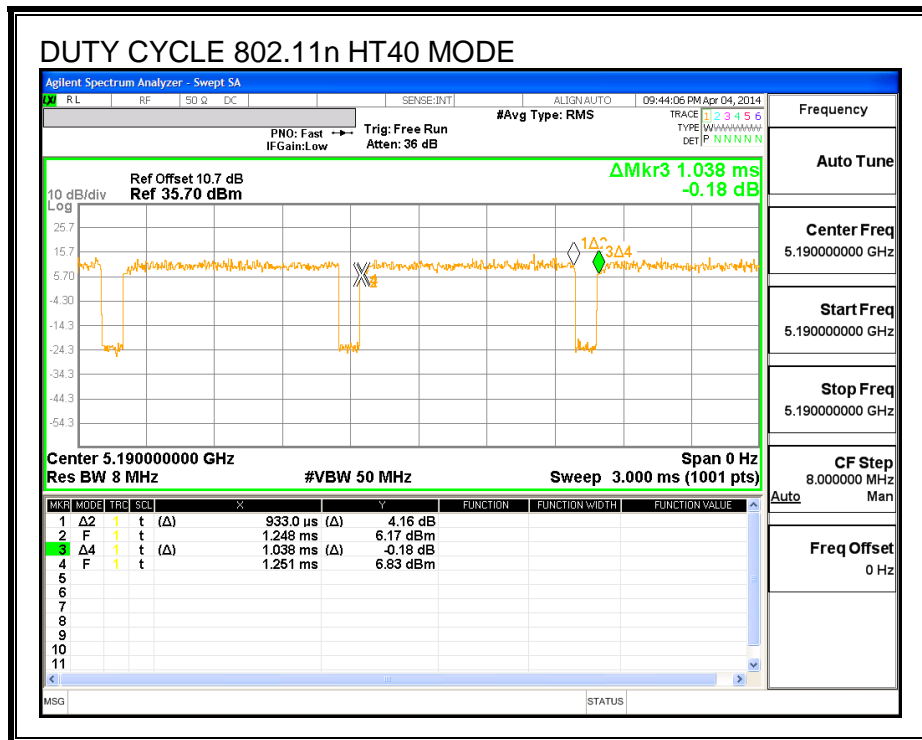
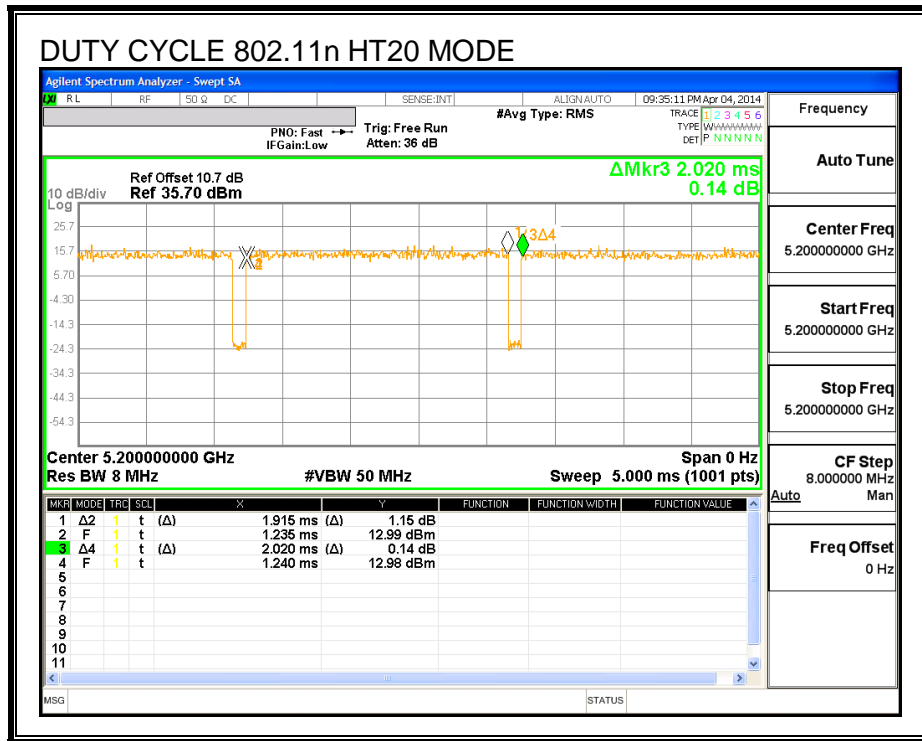
KDB 789033 Zero-Span Spectrum Analyzer Method.

8.1. ON TIME AND DUTY CYCLE RESULTS(from original)

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)
802.11a	2.07	2.16	0.956	95.6%	0.20	0.484
802.11n HT20	1.92	2	0.948	94.8%	0.23	0.522
802.11n HT40	0.93	1	0.899	89.9%	0.46	1.072

8.2. DUTY CYCLE PLOTS





9. MEASUREMENT METHOD

The Duty Cycle is less than 98% and consistent therefore KDB 789033 Method SA-2 is used for power and PPSD

The Duty Cycle is less than 98% and consistent, KDB 789033 Method AD with Power RMS Averaging and duty cycle correction is used.

10. TRANSMITTER ABOVE 1 GHz

LIMITS

FCC §15.205 and §15.209

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

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane. 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.

Reference to KDB 789033 UNII part H) 6) d) Method VB:

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 to the reading offset for average measurements.

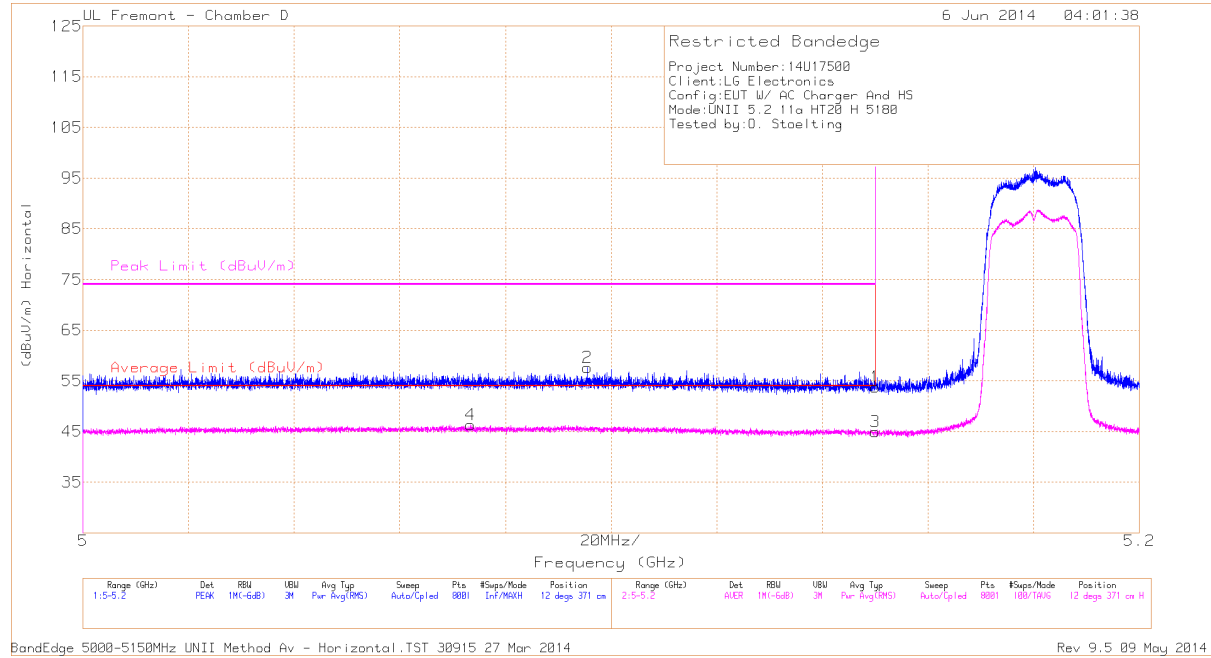
The spectrum from 1GHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

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.

10.1. 5.2 GHz

10.1.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.2 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL



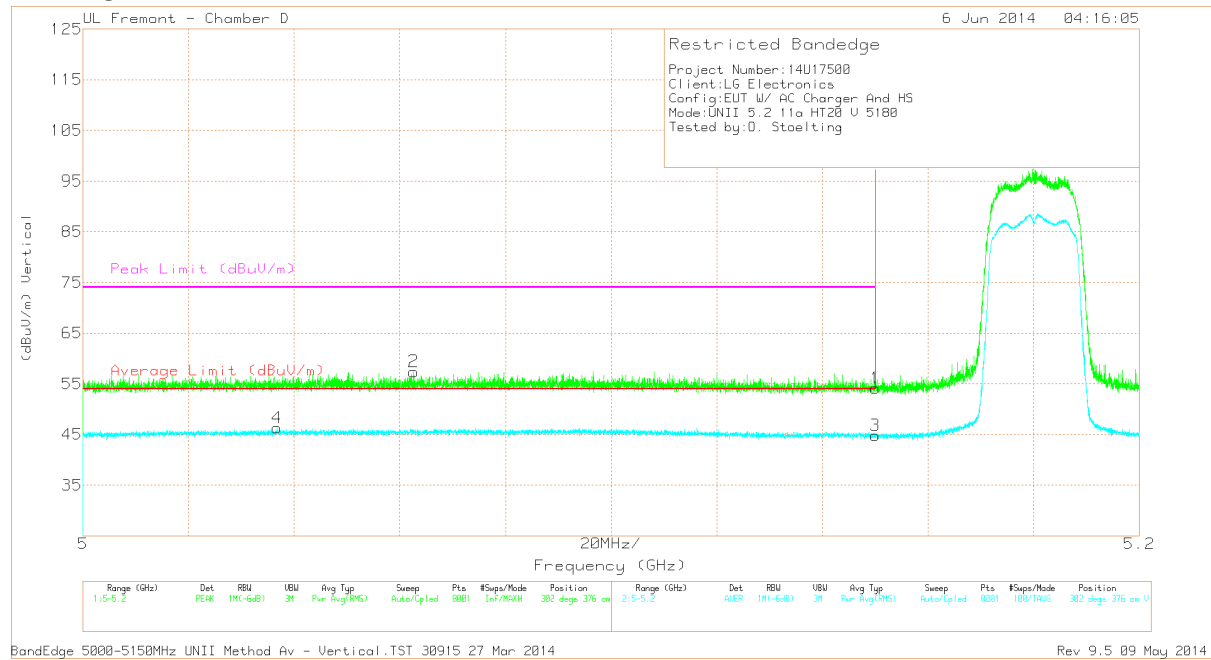
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.073	30.5	RMS	33.6	-18	.2	46.3	54	-7.7	-	-	12	371	H
2	* 5.096	41.96	PK	33.6	-17.9	0	57.66	-	-	74	-16.34	12	371	H
1	* 5.15	38.32	PK	33.7	-18.3	0	53.72	-	-	74	-20.28	12	371	H
3	* 5.15	29.37	RMS	33.7	-18.3	.2	44.97	54	-9.03	-	-	12	371	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/Fit 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
4	* 5.037	30.57	RMS	33.5	-18	.2	46.27	54	-7.73	-	-	302	376	V
2	* 5.063	41.93	PK	33.6	-18.1	0	57.43	-	-	74	-16.57	302	376	V
1	* 5.15	38.72	PK	33.7	-18.3	0	54.12	-	-	74	-19.88	302	376	V
3	* 5.15	29.28	RMS	33.7	-18.3	.2	44.88	54	-9.12	-	-	302	376	V

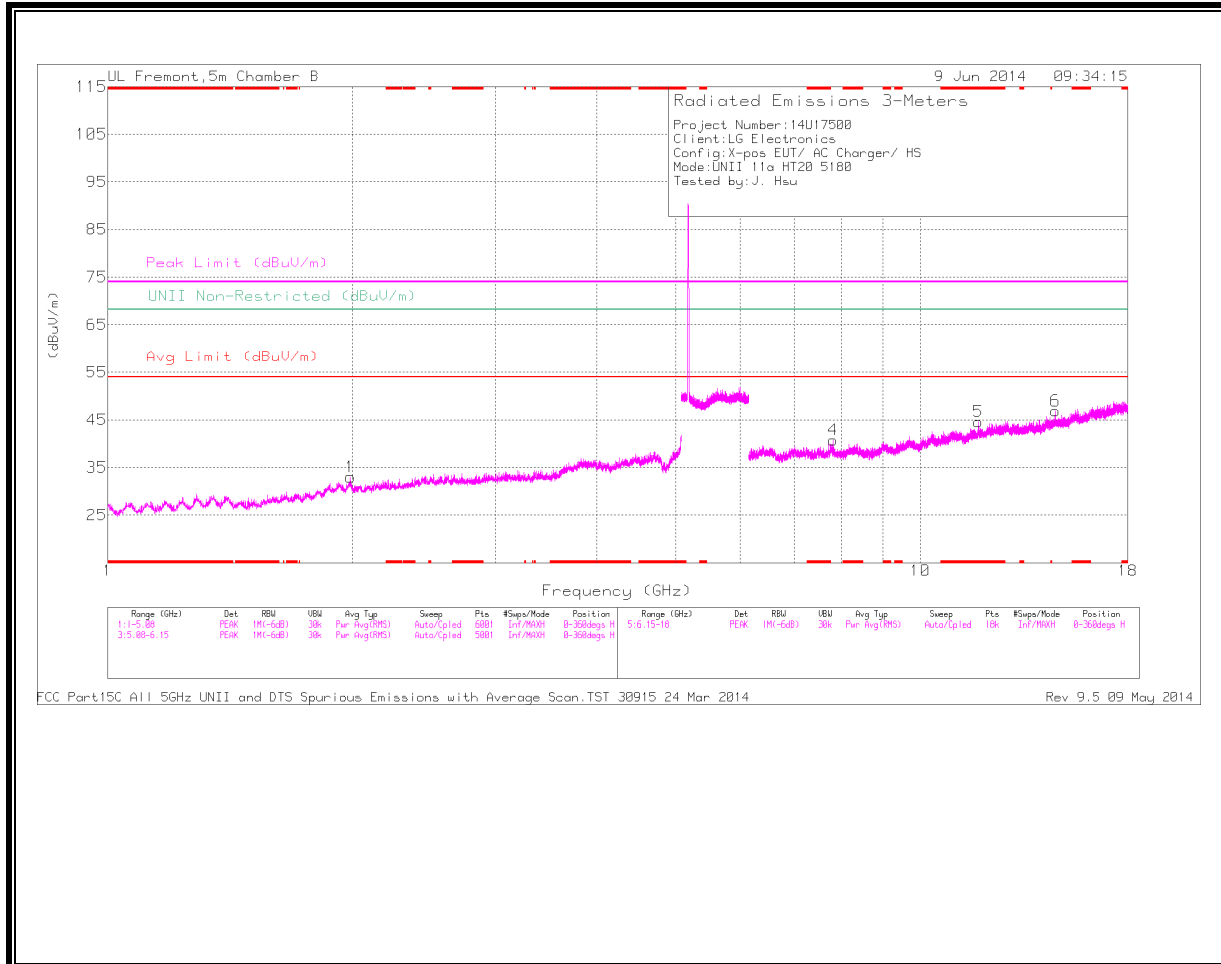
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

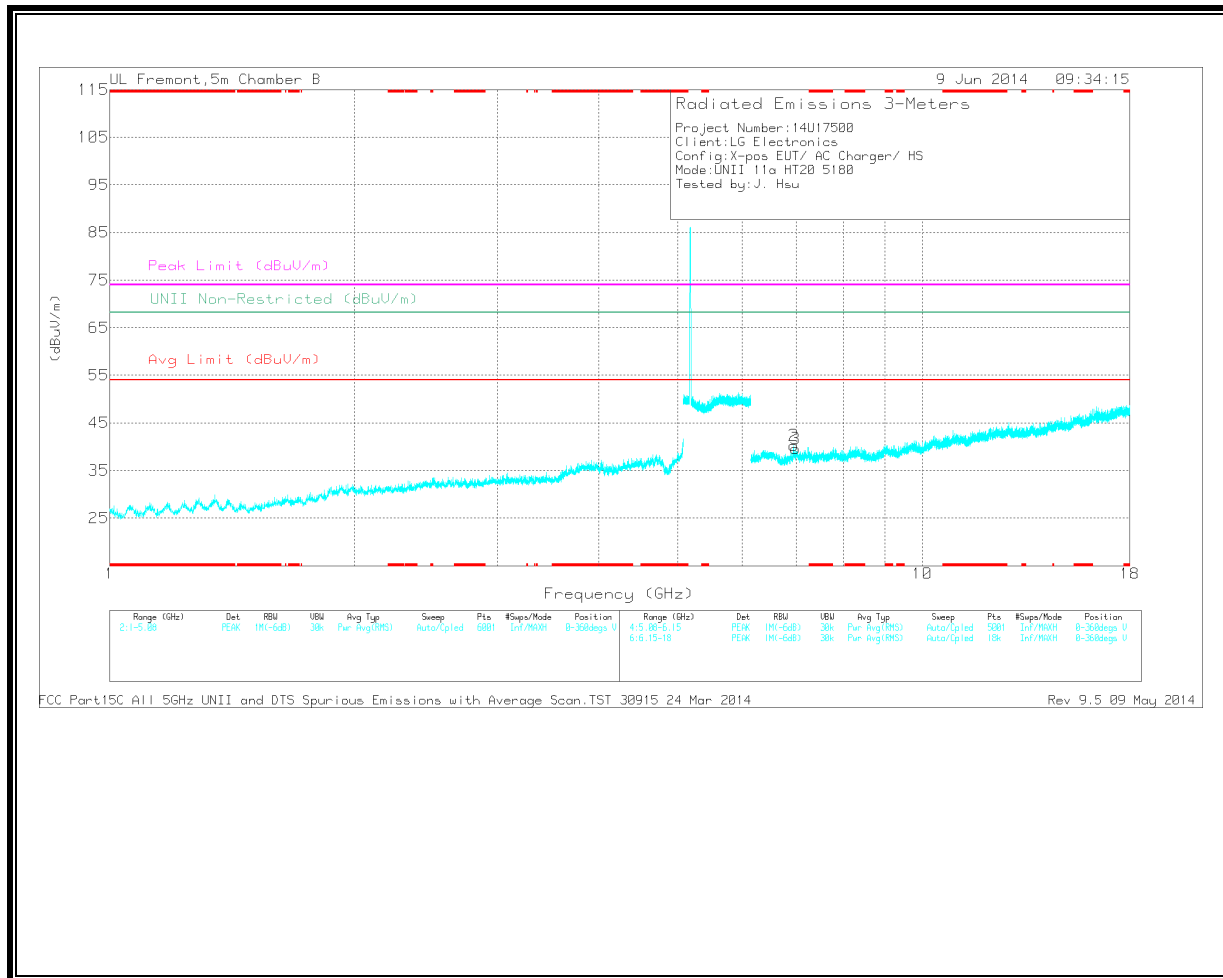
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL
 HORIZONTAL



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

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/Ftr/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
5	* 11.777	28.04	PK	38.3	-21.7	0	44.64	-	-	74	-29.36	-	-	0-360	200	H
1	1.989	34.72	PK	31.3	-33	0	33.02	-	-	-	-	68.2	-35.18	0-360	101	H
2	6.95	31.96	PK	35.6	-27.3	0	40.26	-	-	-	-	68.2	-27.94	0-360	201	V
3	6.984	31.21	PK	35.6	-27.2	0	39.61	-	-	-	-	68.2	-28.59	0-360	100	V
4	7.808	31.4	PK	35.7	-26.3	0	40.8	-	-	-	-	68.2	-27.4	0-360	200	H
6	14.667	27.12	PK	39.4	-19.6	0	46.92	-	-	-	-	68.2	-21.28	0-360	200	H

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

PK - Peak detector

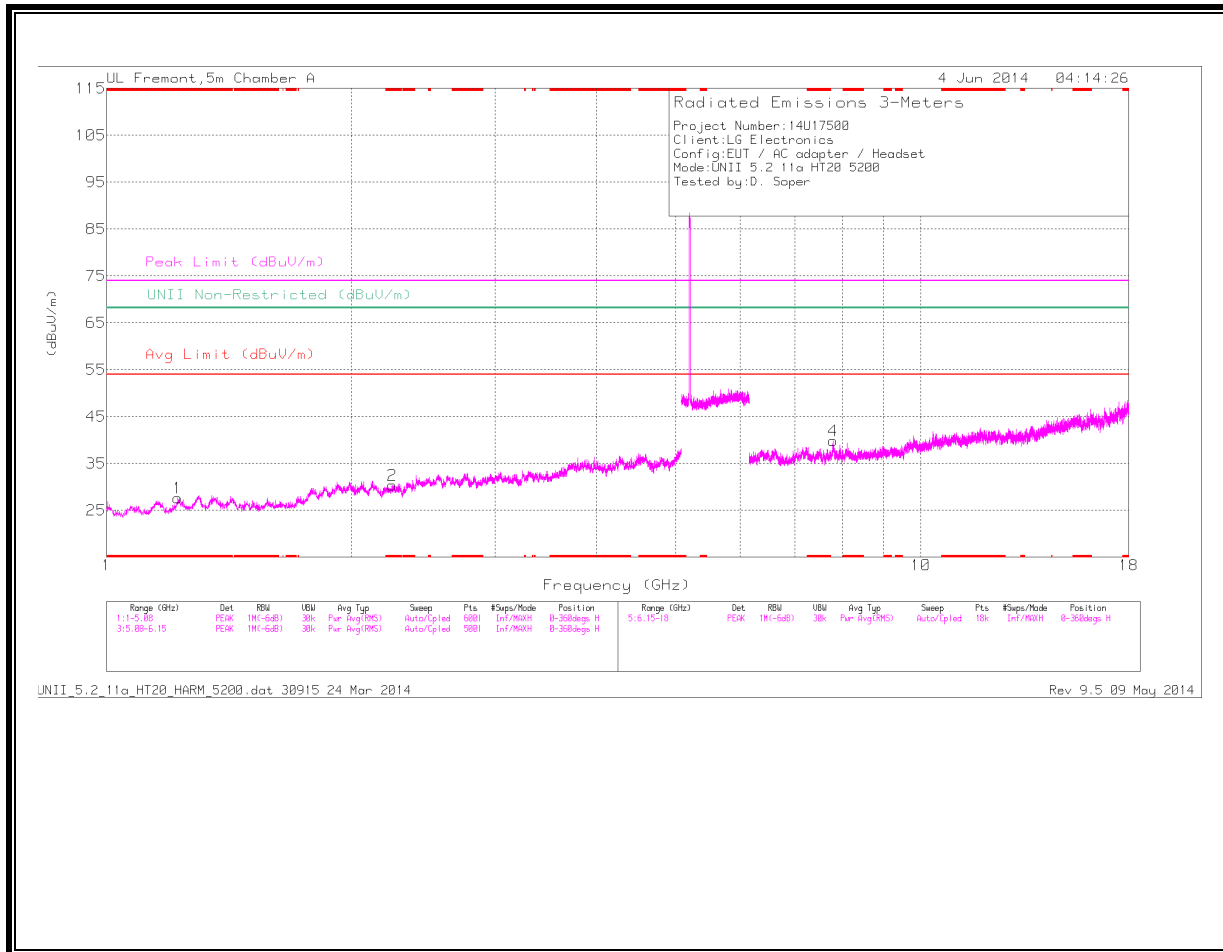
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/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
* 11.777	34.04	PK1	38.3	-21.7	0	50.64	-	-	74	-23.36	-	-	359	201	H
* 11.777	23.69	AD1	38.3	-21.7	.2	40.49	54	-13.51	-	-	-	-	359	201	H
14.667	35.18	PK1	39.4	-19.6	0	54.98	-	-	-	-	68.2	-13.22	359	201	H
14.667	22.86	AD1	39.4	-19.6	.2	42.86	-	-	-	-	-	-	359	201	H

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

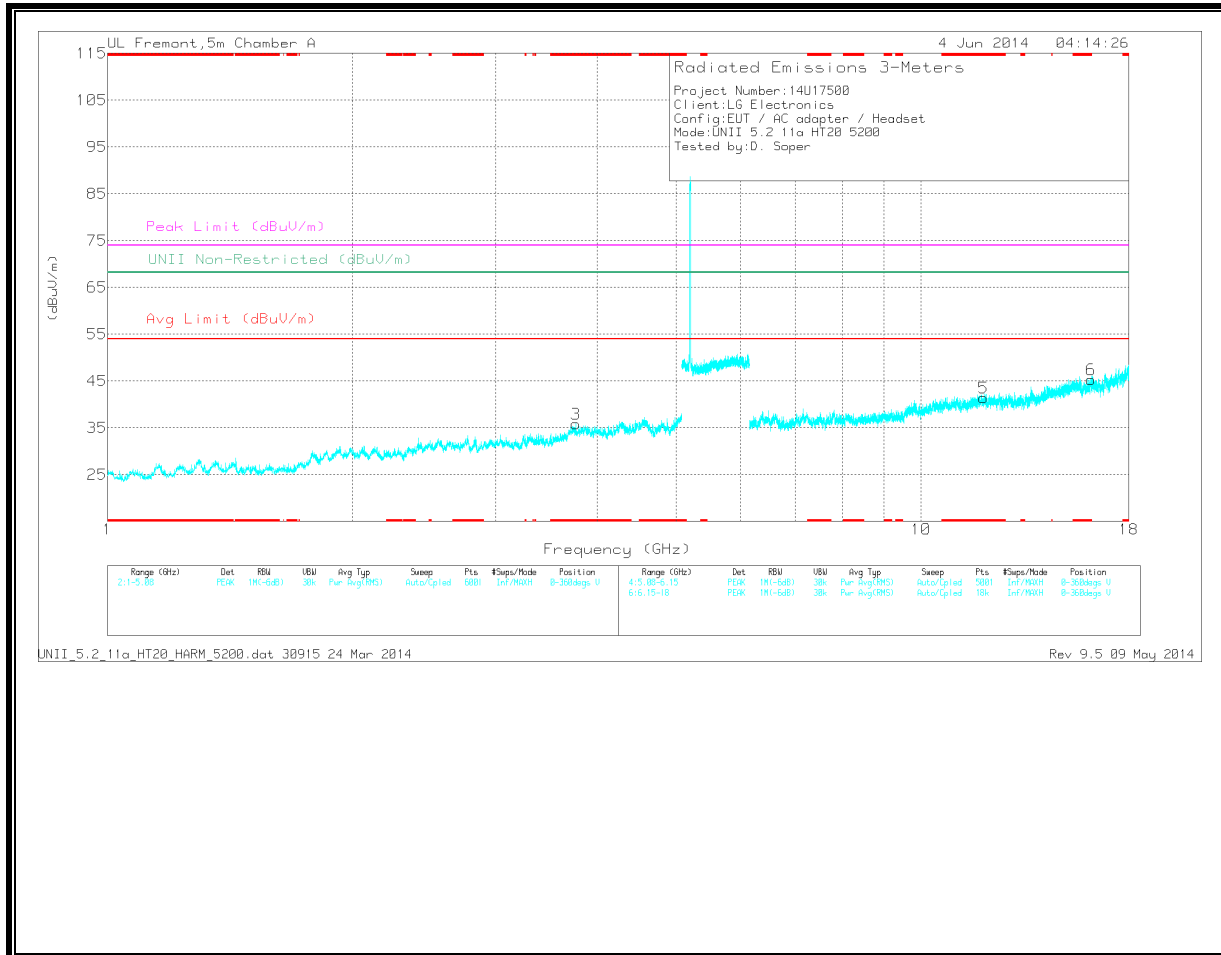
PK1 - KDB789033 Method: Peak

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.

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/Ftr/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	* 1.222	35.21	PK	29.5	-37.1	0	27.61	-	-	74	-46.39	-	-	0-360	100	H
2	* 2.244	32.21	PK	31.4	-33.2	0	30.41	-	-	74	-43.59	-	-	0-360	100	H
3	* 3.761	32.02	PK	33.5	-29.7	0	35.82	-	-	74	-38.18	-	-	0-360	100	V
5	* 11.941	24.81	PK	38.9	-22.3	0	41.41	-	-	74	-32.59	-	-	0-360	100	V
6	* 16.163	25.26	PK	40.5	-20.5	0	45.26	-	-	74	-28.74	-	-	0-360	200	V
4	7.809	28.94	PK	35.5	-24.6	0	39.84	-	-	-	-	68.2	-28.36	0-360	100	H

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

PK - Peak detector

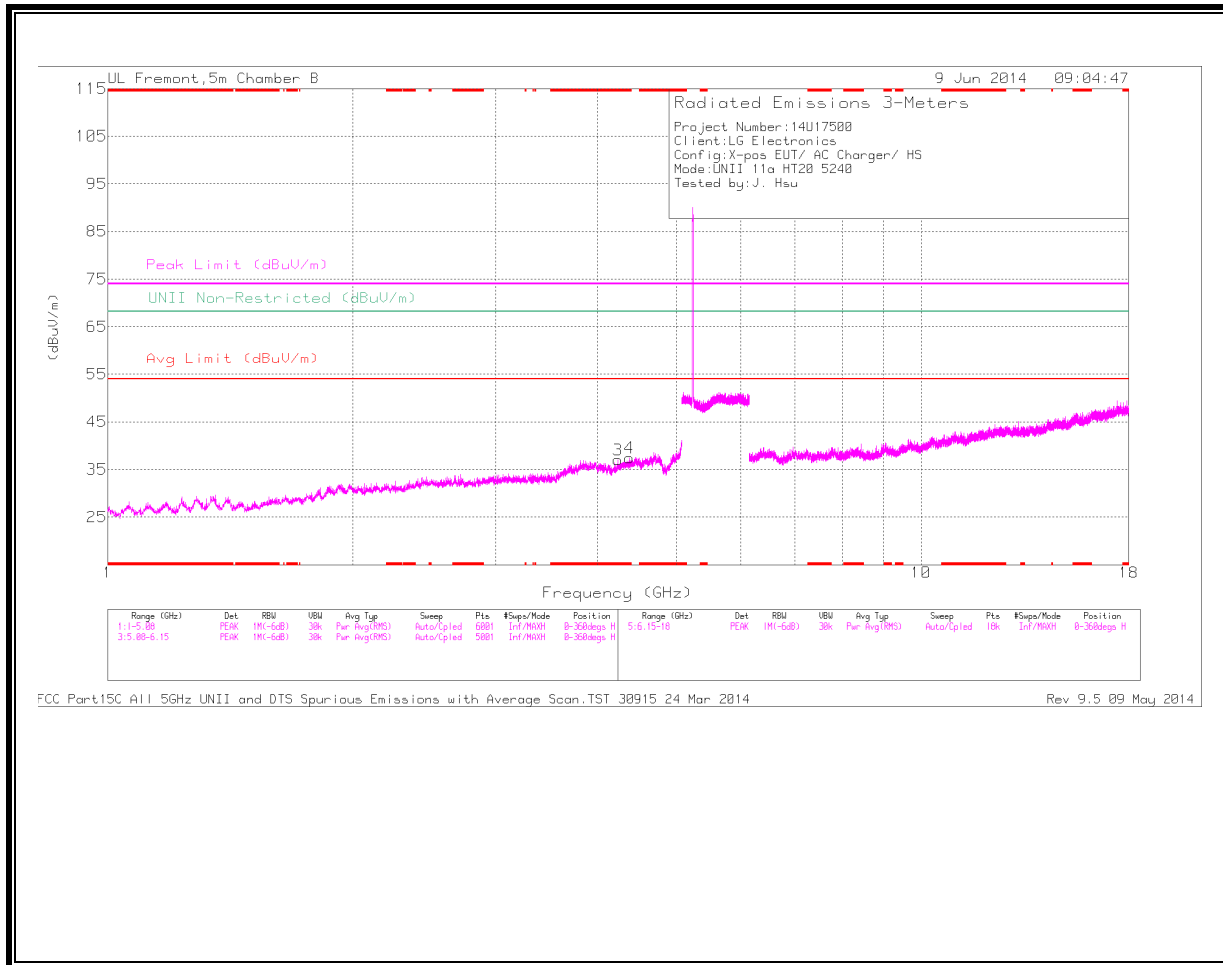
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/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
* 11.94	33.12	PK1	38.9	-22.4	0	49.62	-	-	74	-24.38	-	-	359	100	V
* 11.938	22.6	AD1	38.9	-22.6	.2	39.1	54	-14.9	-	-	-	-	359	100	V

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

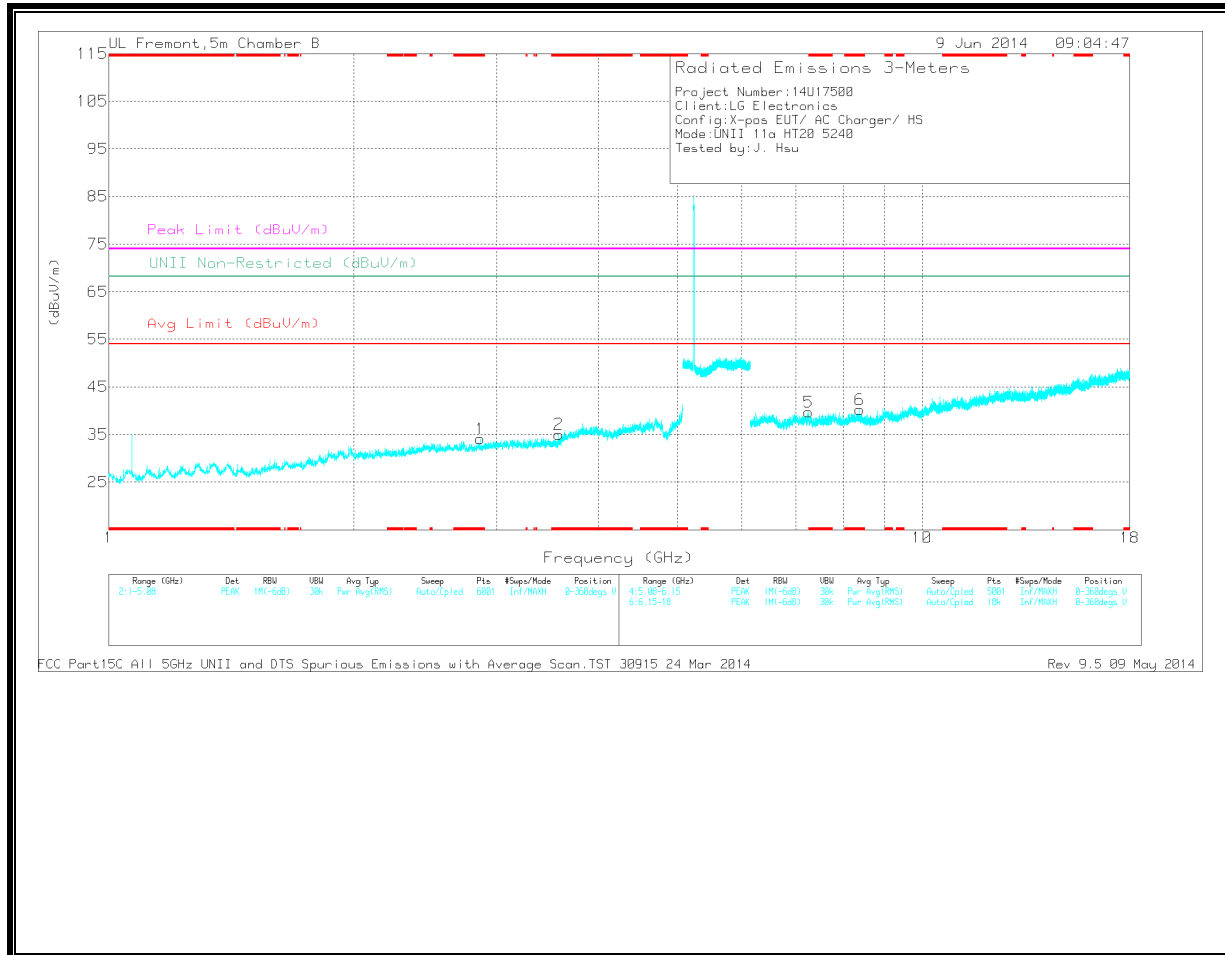
PK1 - KDB789033 Method: Peak

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.

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/Ftr/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	* 4.239	33.61	PK	33.6	-30.2	0	37.01	-	-	74	-36.99	-	-	0-360	101	H
4	* 4.382	34.44	PK	33.8	-30.8	0	37.44	-	-	74	-36.56	-	-	0-360	101	H
1	* 2.863	33.87	PK	32.5	-32.3	0	34.07	-	-	74	-39.93	-	-	0-360	201	V
2	* 3.576	33.53	PK	33	-31.5	0	35.03	-	-	74	-38.97	-	-	0-360	201	V
5	* 7.253	30.79	PK	35.6	-26.7	0	39.69	-	-	74	-34.31	-	-	0-360	101	V
6	* 8.381	30.31	PK	35.7	-25.8	0	40.21	-	-	74	-33.79	-	-	0-360	101	V

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

PK - Peak detector

Radiated Emissions

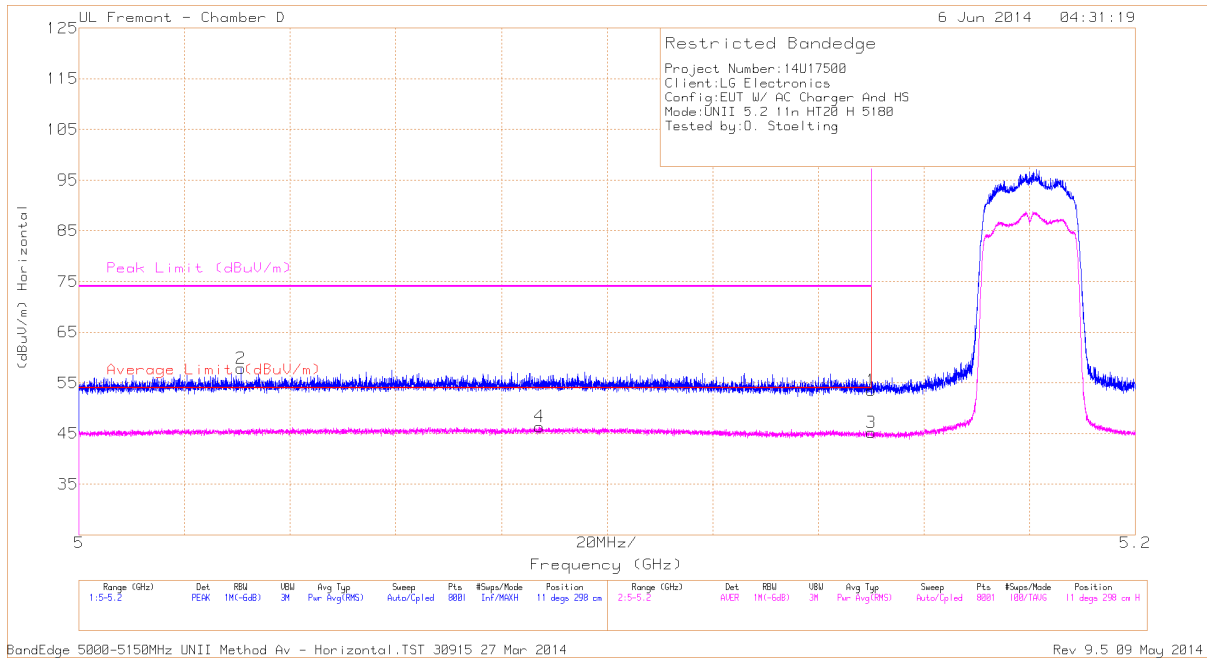
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.861	41.11	PK1	32.5	-32.3	0	41.31	-	-	74	-32.69	-	-	1	202	V
* 2.864	29.65	AD1	32.5	-32.3	.2	30.05	54	-23.95	-	-	-	-	1	202	V
* 7.253	37.85	PK1	35.6	-26.7	0	46.75	-	-	74	-27.25	-	-	1	102	V
* 7.254	27.22	AD1	35.6	-26.8	.2	36.22	54	-17.78	-	-	-	-	1	102	V

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

PK1 - KDB789033 Method: Peak

10.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL



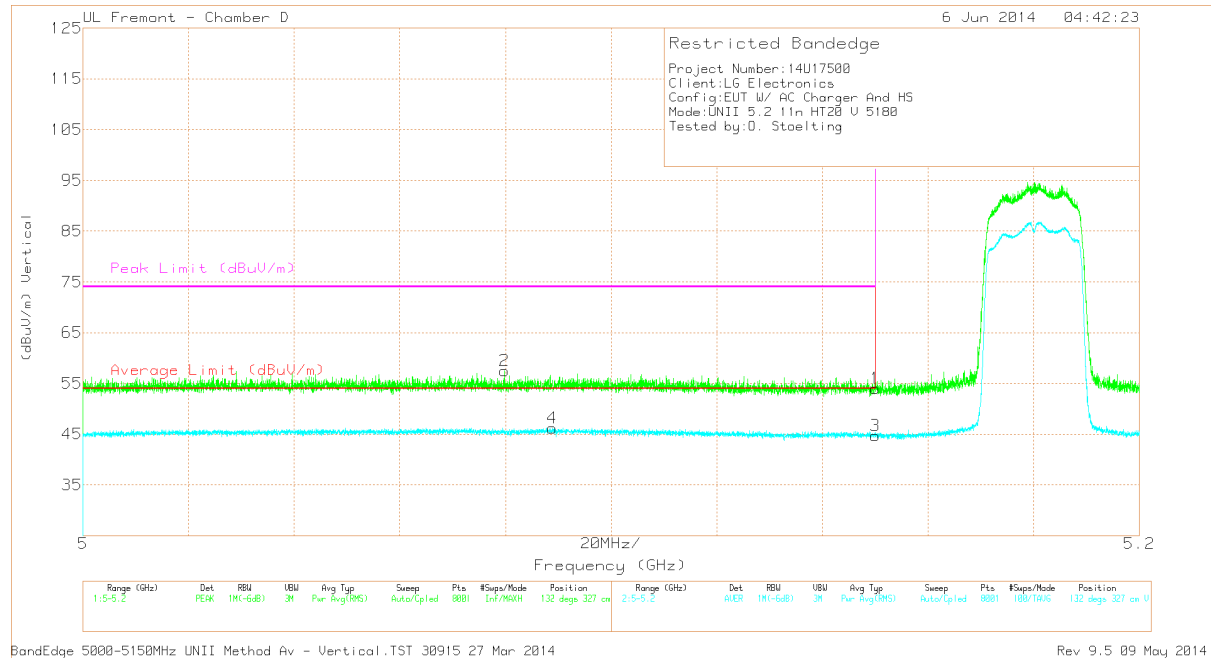
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.031	42.41	PK	33.5	-18.1	0	57.81	-	-	74	-16.19	11	298	H
4	* 5.087	30.48	RMS	33.6	-17.9	.2	46.38	54	-7.62	-	-	11	298	H
1	* 5.15	38.07	PK	33.7	-18.3	0	53.47	-	-	74	-20.53	11	298	H
3	* 5.15	29.64	RMS	33.7	-18.3	.2	45.24	54	-8.76	-	-	11	298	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/Cb/Fitter/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	* 5.08	41.98	PK	33.6	-18.1	0	57.48	-	-	74	-16.52	132	327	V
4	* 5.089	30.35	RMS	33.6	-17.9	.2	46.25	54	-7.75	-	-	132	327	V
1	* 5.15	38.59	PK	33.7	-18.3	0	53.99	-	-	74	-20.01	132	327	V
3	* 5.15	29.12	RMS	33.7	-18.3	.2	44.72	54	-9.28	-	-	132	327	V

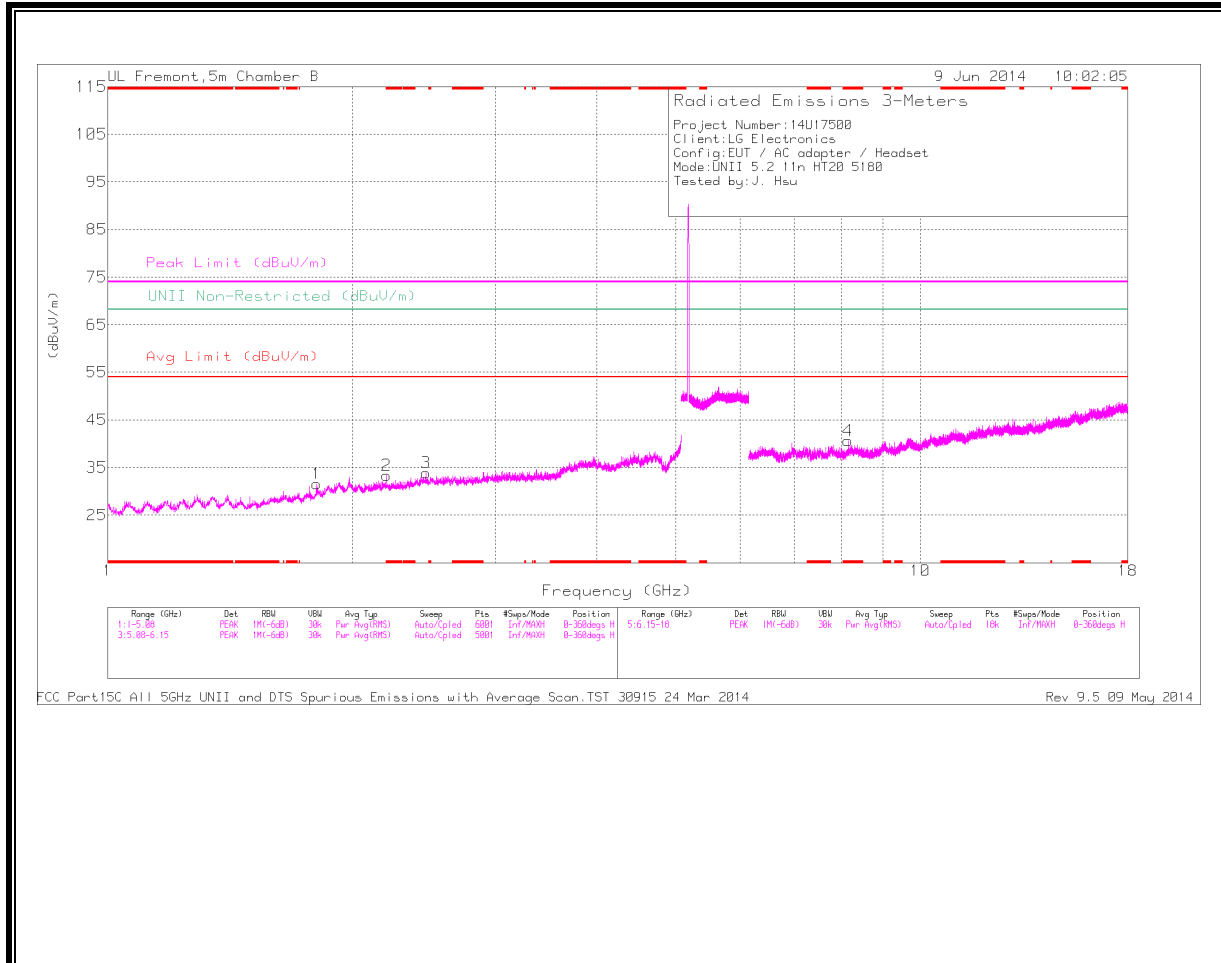
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

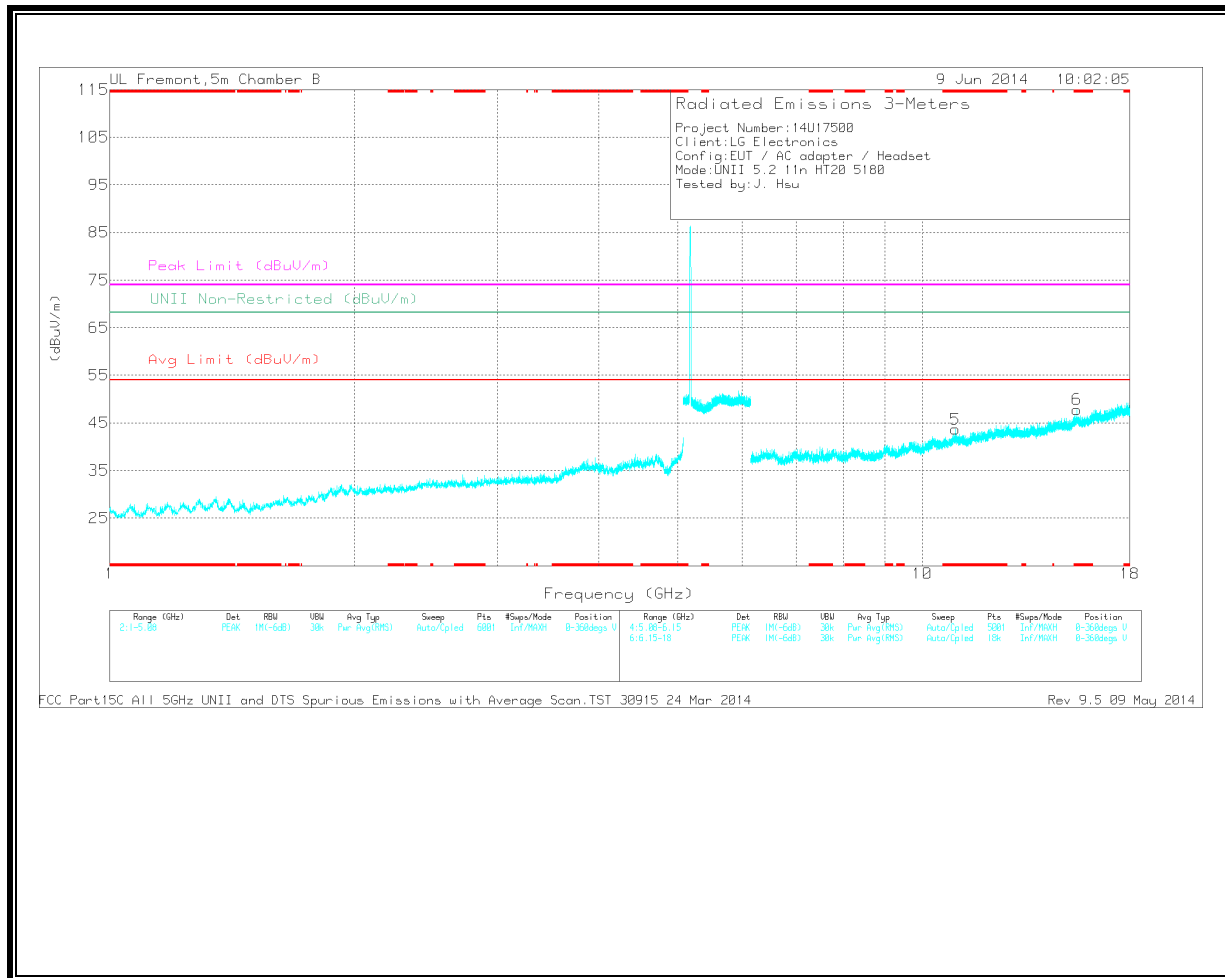
HARMONICS AND SPURIOUS EMISSIONS

**LOW CHANNEL
 HORIZONTAL**



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

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/Filtr/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	* 2.204	34.36	PK	31.3	-32.3	0	33.36	-	-	74	-40.64	-	-	0-360	101	H
4	* 8.147	31.33	PK	35.7	-26.4	0	40.63	-	-	74	-33.37	-	-	0-360	100	H
5	* 10.979	28.19	PK	37.8	-22.3	0	43.69	-	-	74	-30.31	-	-	0-360	201	V
6	* 15.498	27.03	PK	40.4	-19.6	0	47.83	-	-	74	-26.17	-	-	0-360	201	V
1	1.807	35.4	PK	30.2	-34	0	31.6	-	-	-	-	68.2	-36.6	0-360	201	H
3	2.463	33.9	PK	32.3	-32.3	0	33.9	-	-	-	-	68.2	-34.3	0-360	201	H

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

PK - Peak detector

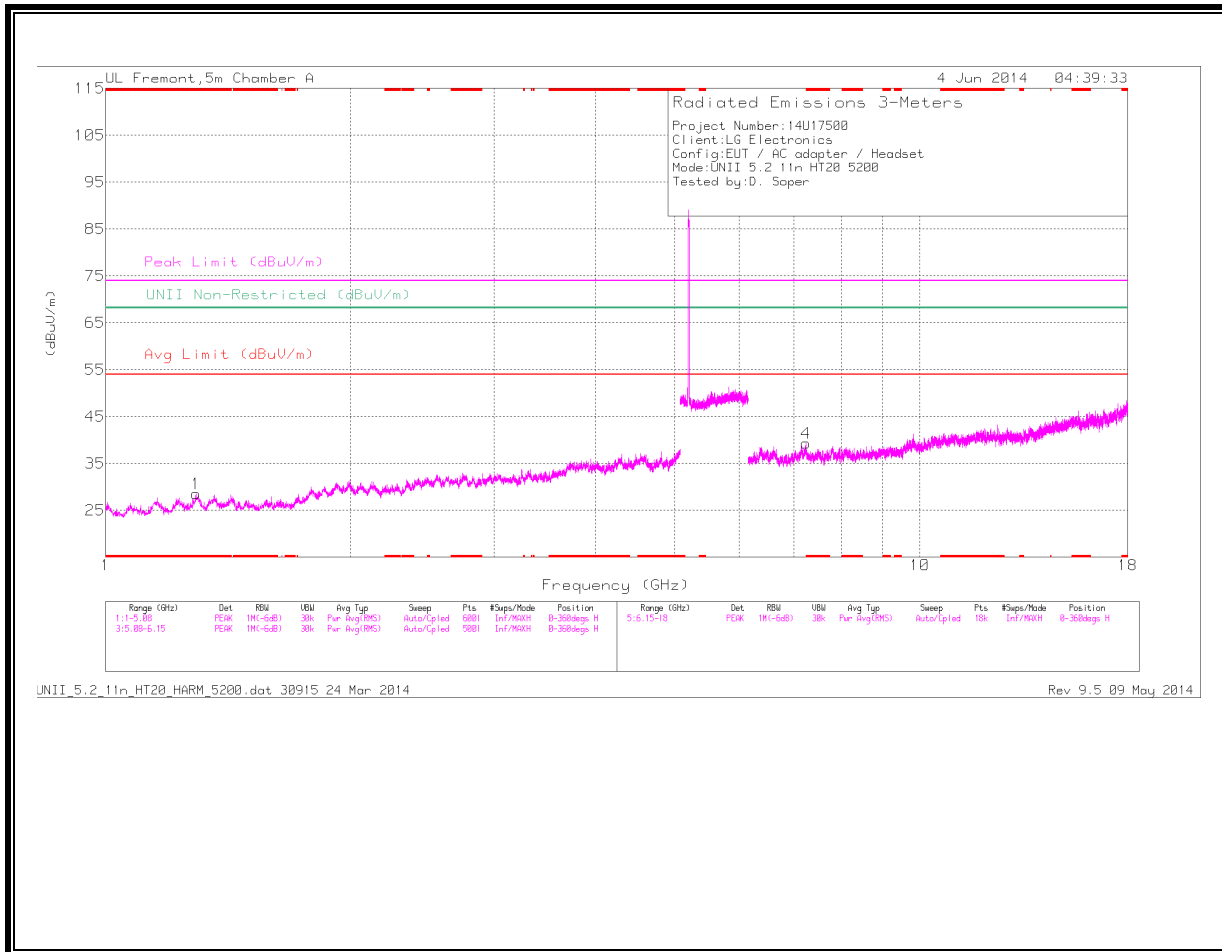
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/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
* 15.498	33.64	PK1	40.4	-19.6	0	54.44	-	-	74	-19.56	-	-	359	202	V
* 15.498	22.95	AD1	40.4	-19.6	.2	43.95	54	-10.05	-	-	-	-	359	202	V

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

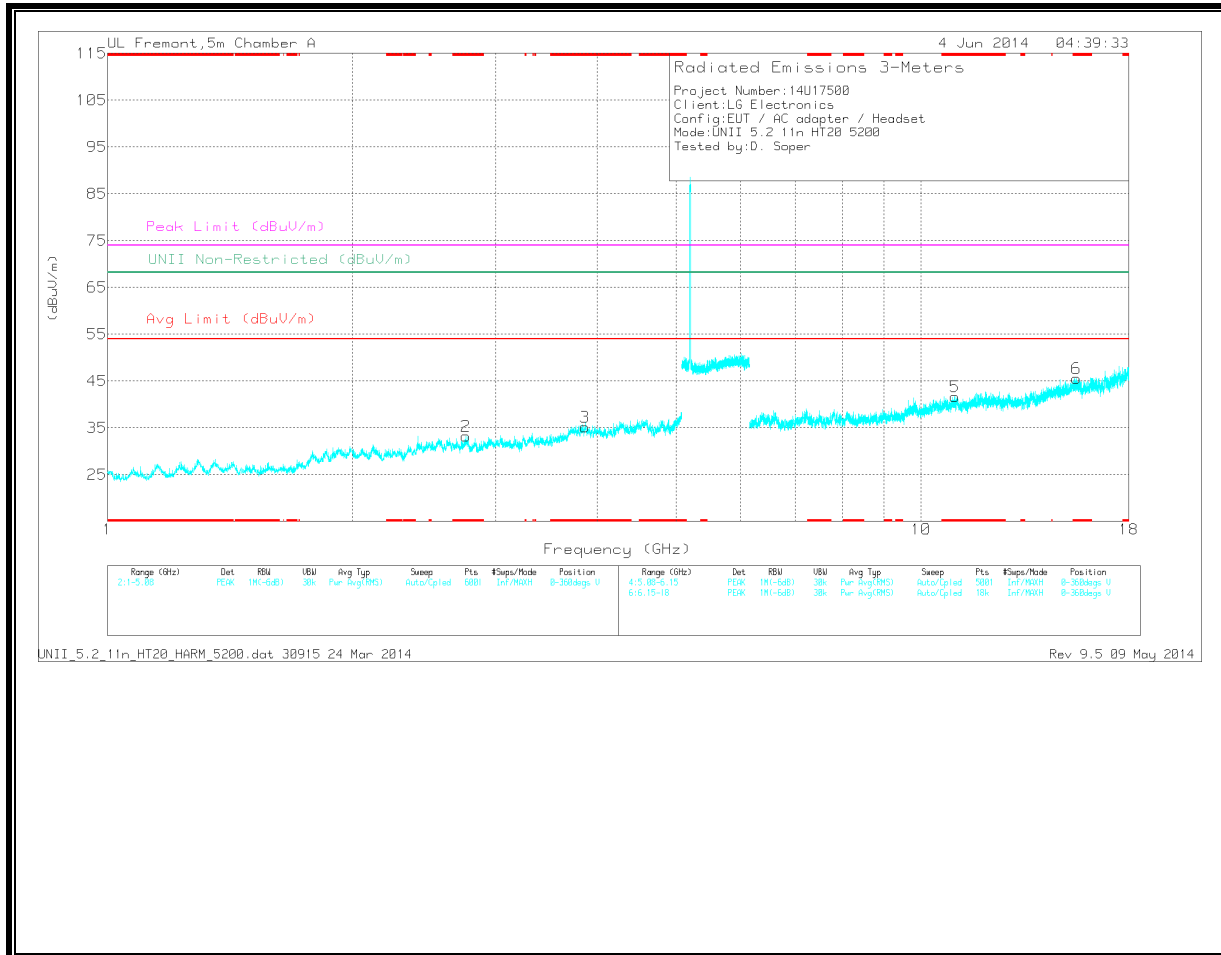
PK1 - KDB789033 Method: Peak

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.

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/Ftr/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	* 1.291	35.28	PK	30.2	-36.9	0	28.58	-	-	74	-45.42	-	-	0-360	100	H
2	* 2.759	32.48	PK	32.7	-32	0	33.18	-	-	74	-40.82	-	-	0-360	201	V
3	* 3.861	32.43	PK	33.7	-30.9	0	35.23	-	-	74	-38.77	-	-	0-360	201	V
5	* 11.012	26.42	PK	37.7	-22.5	0	41.62	-	-	74	-32.38	-	-	0-360	100	V
6	* 15.526	26.21	PK	40.5	-21.1	0	45.61	-	-	74	-28.39	-	-	0-360	100	V
4	7.242	29.36	PK	35.2	-25.2	0	39.36	-	-	-	-	68.2	-28.84	0-360	100	H

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

PK - Peak detector

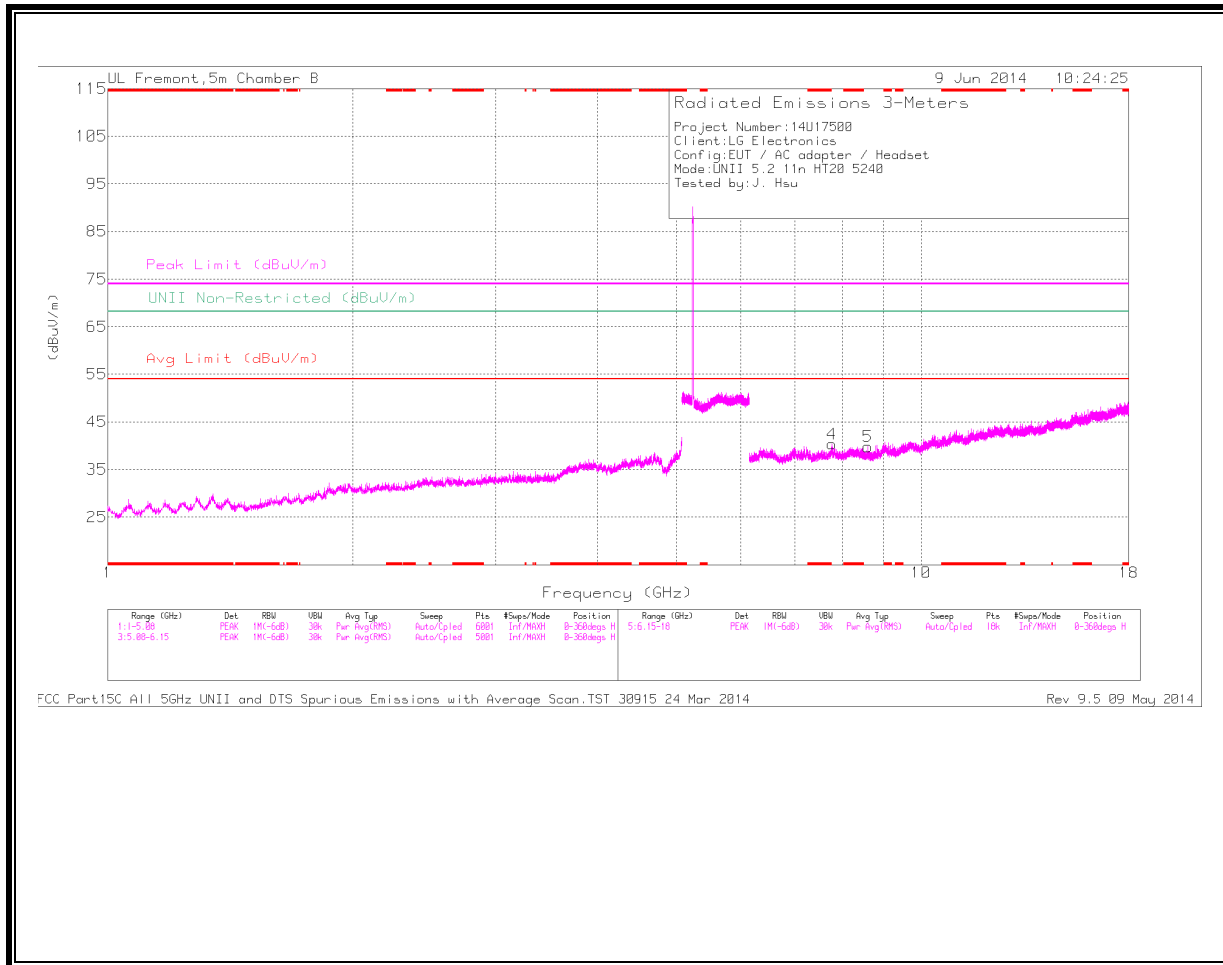
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/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
* 1.291	43.24	PK1	30.2	-36.9	0	36.54	-	-	74	-37.46	-	-	359	100	H
* 1.289	32.12	AD1	30.1	-36.9	.2	25.52	54	-28.48	-	-	-	-	359	100	H

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

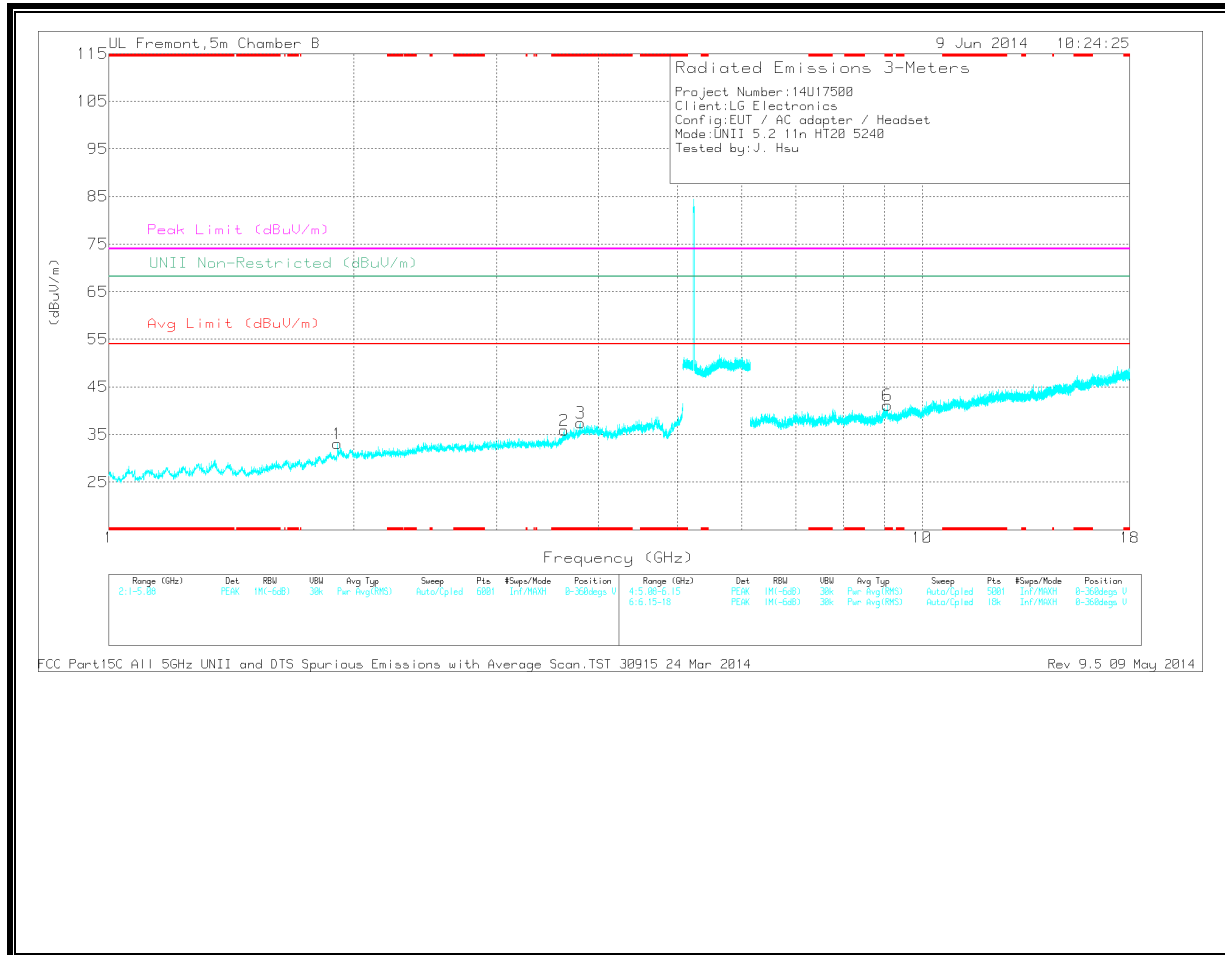
PK1 - KDB789033 Method: Peak

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.

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/Ftr/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	* 3.632	33.87	PK	33.2	-31.2	0	35.87	-	-	74	-38.13	-	-	0-360	101	V
3	* 3.804	34.86	PK	33.6	-31	0	37.46	-	-	74	-36.54	-	-	0-360	101	V
6	* 9.065	29.95	PK	36.3	-25.1	0	41.15	-	-	74	-32.85	-	-	0-360	202	V
1	1.912	34.86	PK	31.1	-32.9	0	33.06	-	-	-	-	68.2	-35.14	0-360	101	V
4	7.769	31.05	PK	35.7	-26.4	0	40.35	-	-	-	-	68.2	-27.85	0-360	201	H
5	8.603	29.6	PK	35.8	-25.6	0	39.8	-	-	-	-	68.2	-28.4	0-360	201	H

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

PK - Peak detector

Radiated Emissions

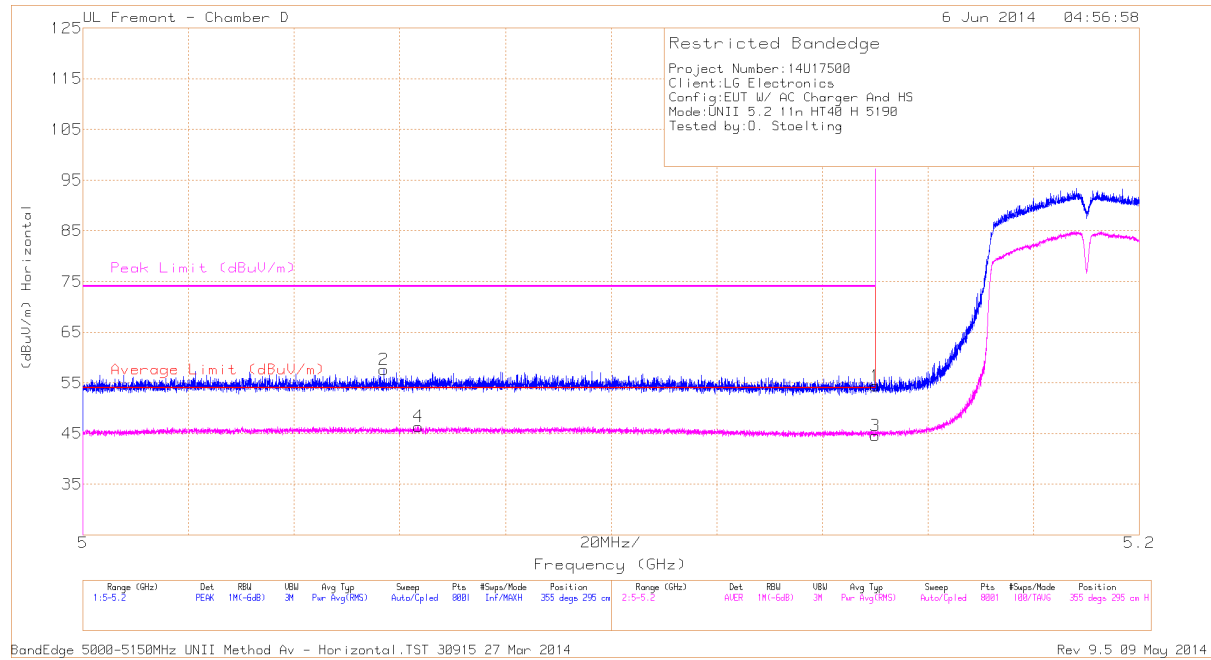
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 9.066	36.42	PK1	36.3	-25.1	0	47.62	-	-	74	-26.38	-	-	359	203	V
* 9.064	26	AD1	36.3	-25.1	.2	37.4	54	-16.6	-	-	-	-	359	203	V

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

PK1 - KDB789033 Method: Peak

10.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL



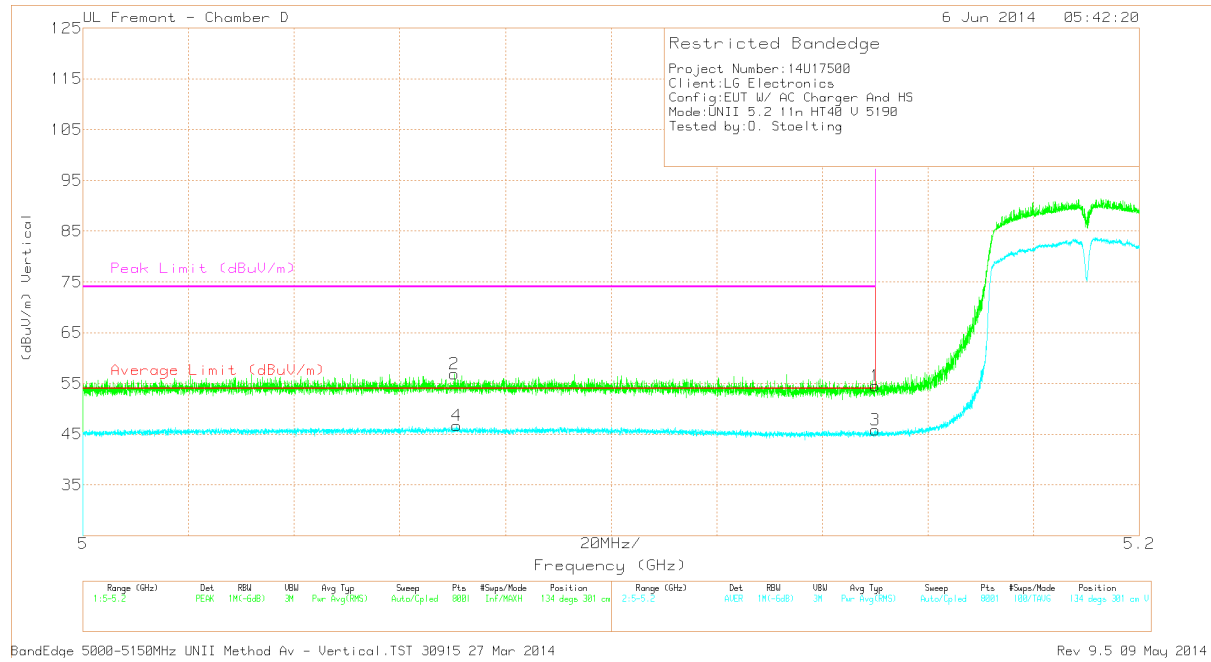
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.057	42.17	PK	33.6	-18.1	0	57.67	-	-	74	-16.33	355	295	H
4	* 5.064	30.28	RMS	33.6	-18	.5	46.38	54	-7.62	-	-	355	295	H
1	* 5.15	39.02	PK	33.7	-18.3	0	54.42	-	-	74	-19.58	355	295	H
3	* 5.15	28.69	RMS	33.7	-18.3	.5	44.59	54	-9.41	-	-	355	295	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/Cb/Fitter/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	* 5.07	41.25	PK	33.6	-18	0	56.85	-	-	74	-17.15	134	301	V
4	* 5.071	30.57	RMS	33.6	-18	.5	46.67	54	-7.33	-	-	134	301	V
1	* 5.15	39.09	PK	33.7	-18.3	0	54.49	-	-	74	-19.51	134	301	V
3	* 5.15	29.87	RMS	33.7	-18.3	.5	45.77	54	-8.23	-	-	134	301	V

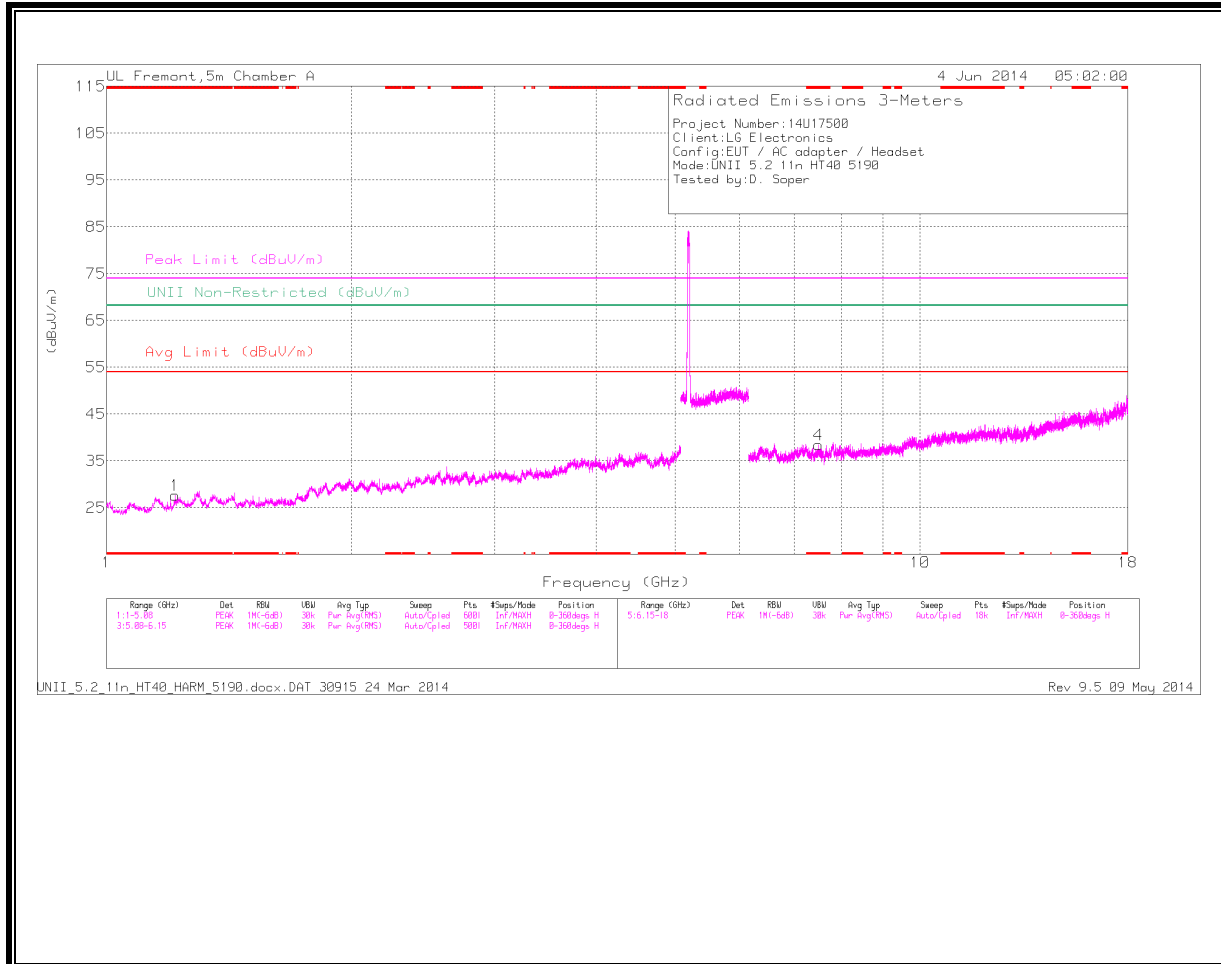
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

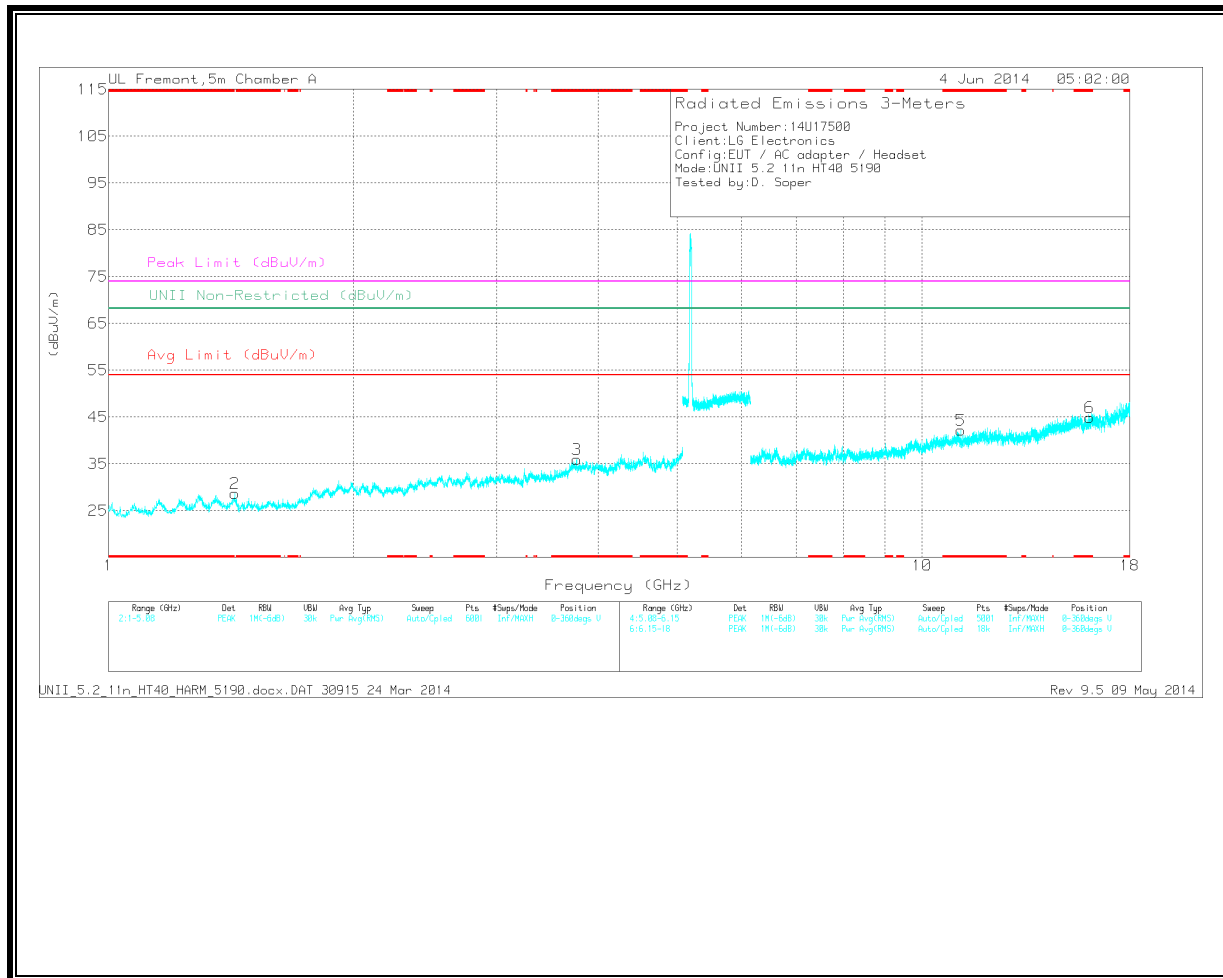
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL
 HORIZONTAL



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

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/Ftr/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	* 1.215	35.2	PK	29.4	-36.9	0	27.7	-	-	74	-46.3	-	-	0-360	100	H
3	* 3.762	32.03	PK	33.5	-29.6	0	35.93	-	-	74	-38.07	-	-	0-360	201	V
4	* 7.503	27.87	PK	35.3	-24.7	0	38.47	-	-	74	-35.53	-	-	0-360	100	H
5	* 11.152	27.05	PK	37.7	-22.5	0	42.25	-	-	74	-31.75	-	-	0-360	201	V
6	* 16.068	24.87	PK	40.4	-20.3	0	44.97	-	-	74	-29.03	-	-	0-360	100	V
2	1.43	35.3	PK	29.5	-36.1	0	28.7	-	-	-	-	68.2	-39.5	0-360	201	V

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

PK - Peak detector

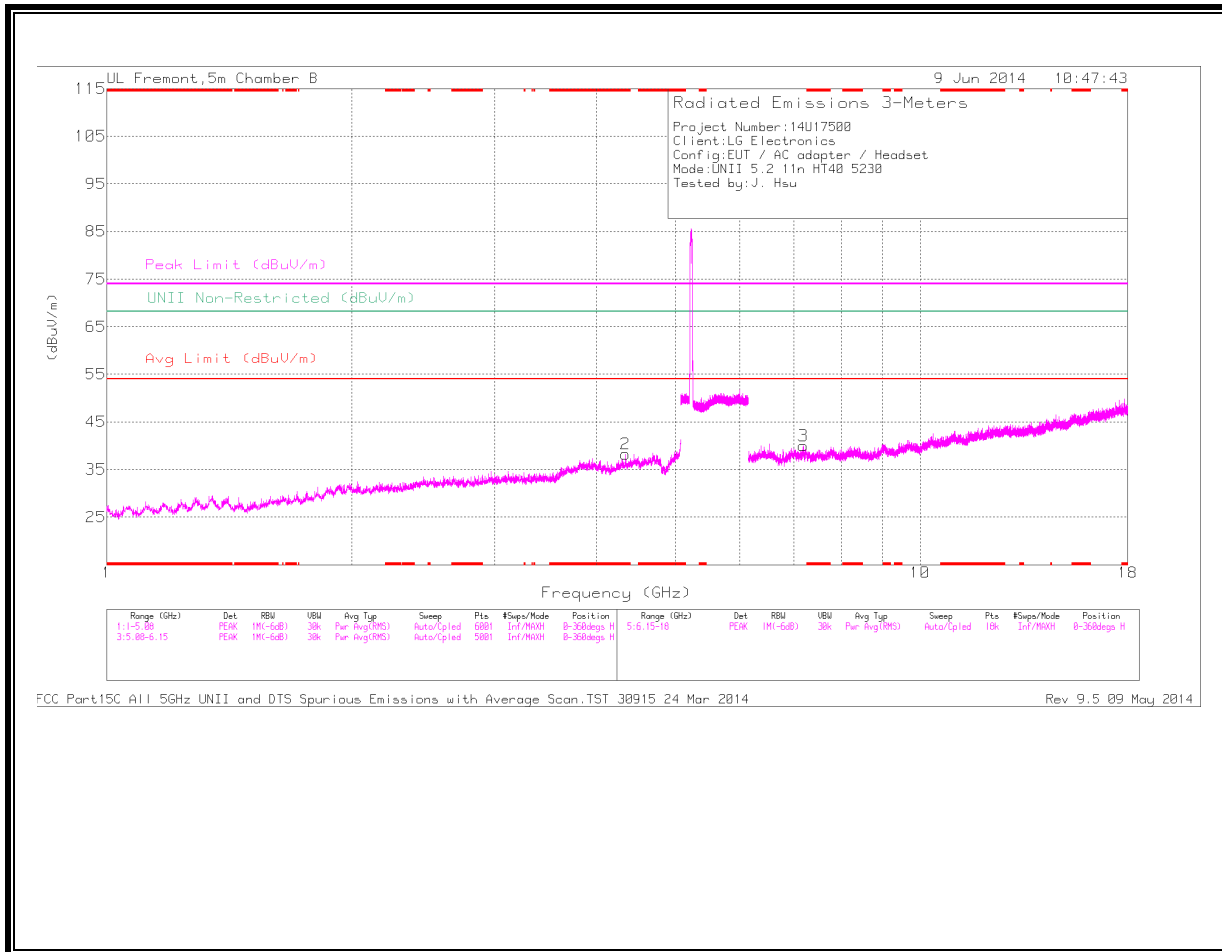
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/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
* 3.763	39.78	PK1	33.5	-29.6	0	43.68	-	-	74	-30.32	-	-	359	202	V
* 3.761	28.69	AD1	33.5	-29.7	.5	32.99	54	-21.01	-	-	-	-	359	202	V

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

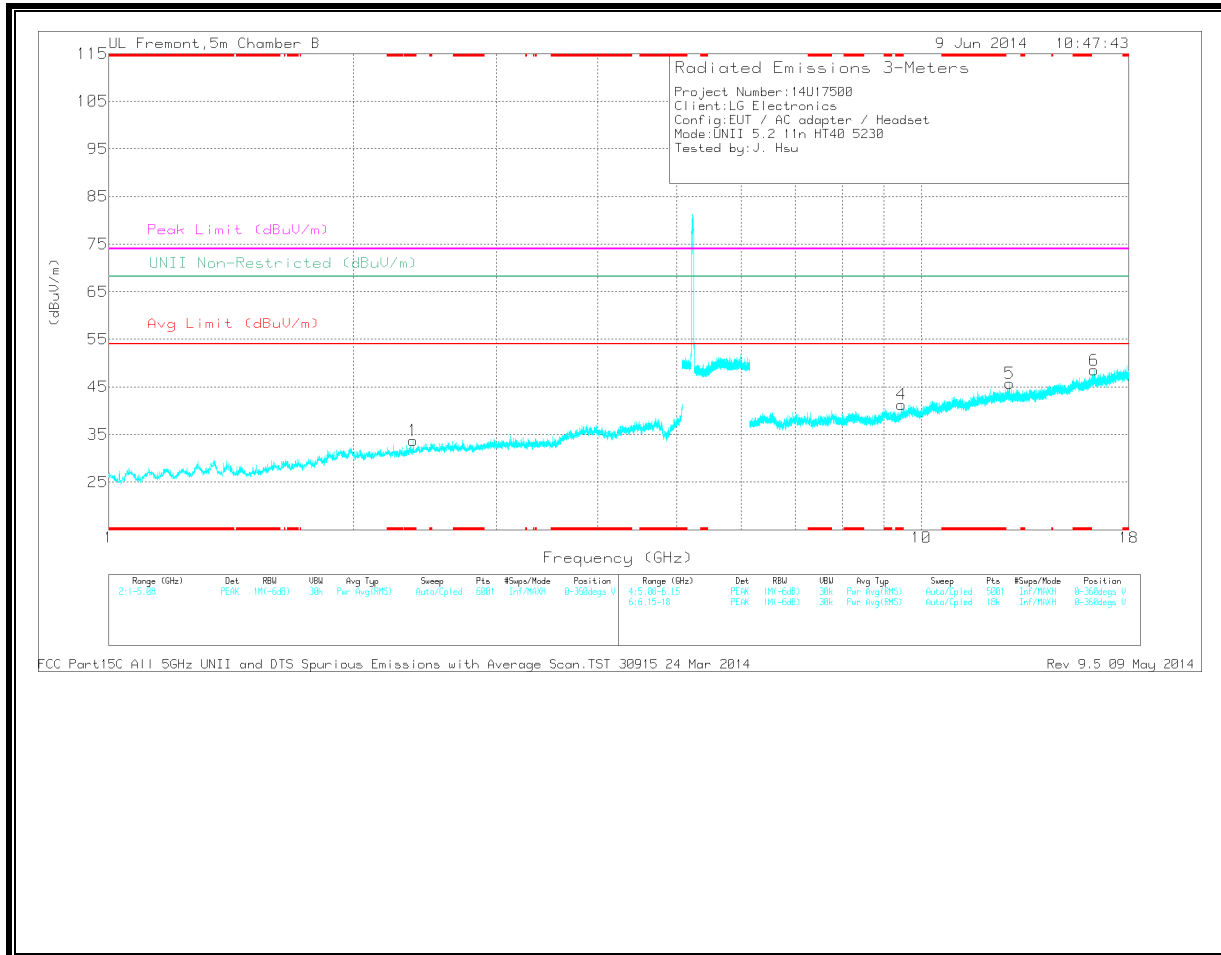
PK1 - KDB789033 Method: Peak

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.

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/Filtr/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	* 4.342	35.26	PK	33.7	-30.7	0	38.26	-	-	74	-35.74	-	-	0-360	100	H
1	* 2.37	34.66	PK	32	-32.9	0	33.76	-	-	74	-40.24	-	-	0-360	201	V
4	* 9.459	28.71	PK	36.6	-24	0	41.31	-	-	74	-32.69	-	-	0-360	201	V
3	7.184	30.92	PK	35.6	-26.5	0	40.02	-	-	-	-	68.2	-28.18	0-360	100	H
5	12.838	28.06	PK	39.2	-21.5	0	45.76	-	-	-	-	68.2	-22.44	0-360	201	V
6	16.319	27.13	PK	41.2	-19.8	0	48.53	-	-	-	-	68.2	-19.67	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/Filtr/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
12.838	23.53	AD1	39.2	-21.4	.5	41.83	-	-	-	-	-	-	360	202	V
12.839	33.78	PK1	39.2	-21.4	0	51.58	-	-	-	-	68.2	-16.62	360	202	V

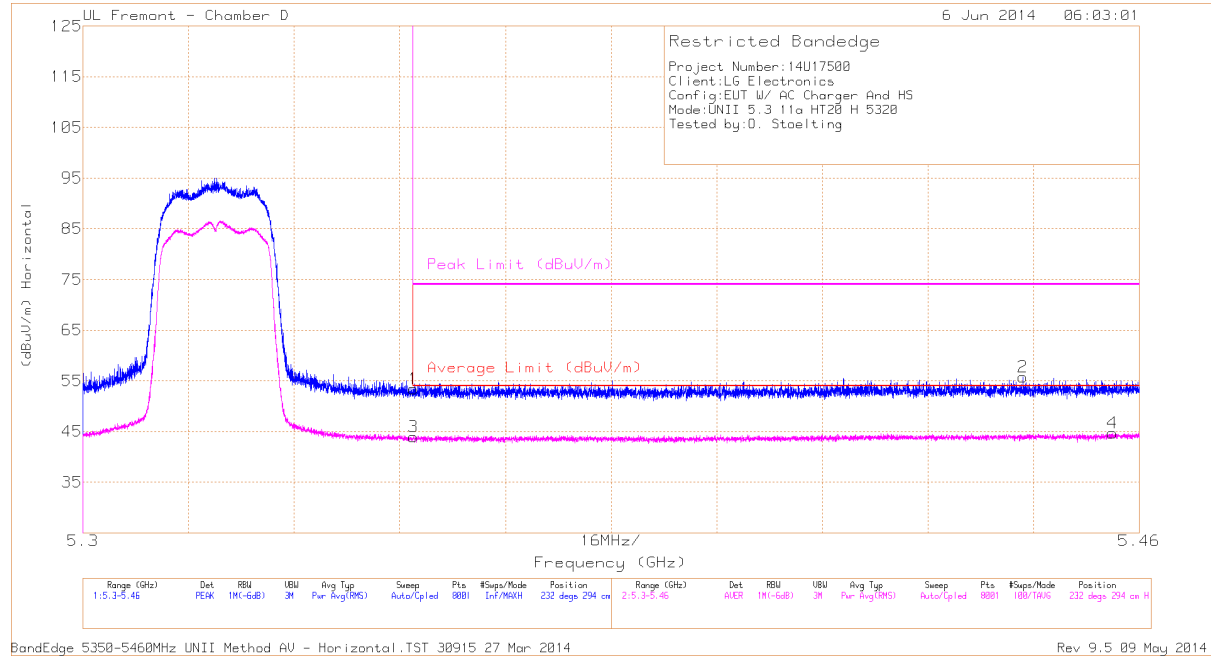
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

10.2. 5.3 GHz

10.2.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL



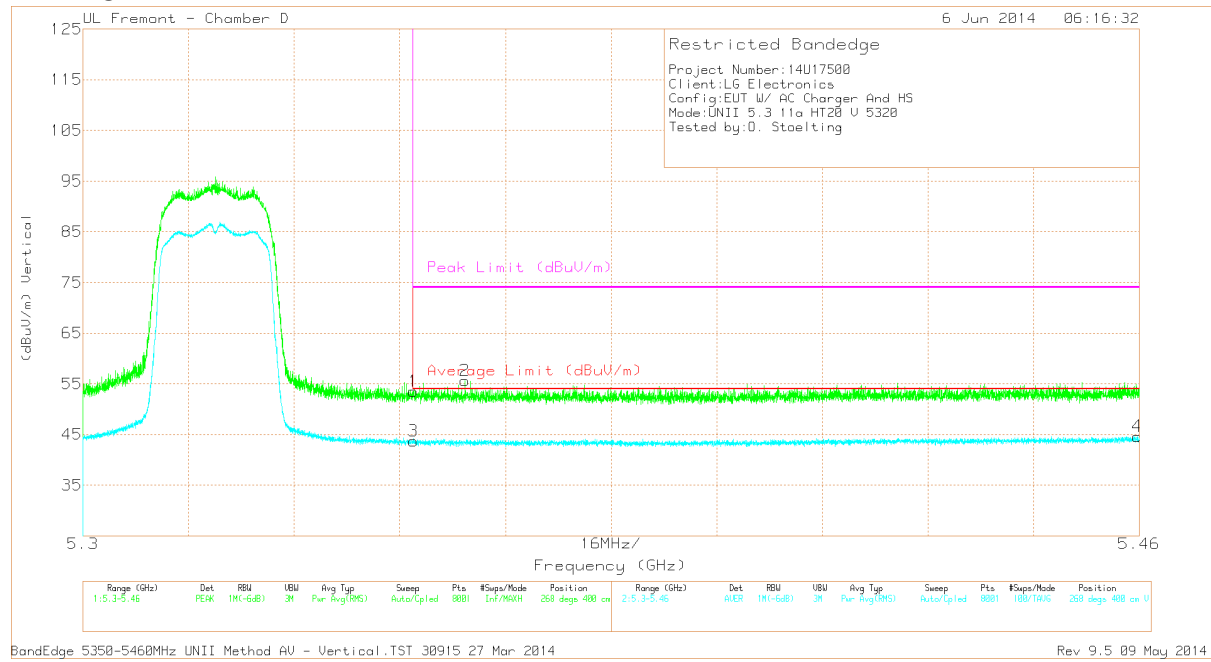
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.69	PK	33.8	-18.1	0	53.39	-	-	74	-20.61	232	294	H
3	* 5.35	28.1	RMS	33.8	-18.1	.2	44	54	-10	-	-	232	294	H
2	* 5.442	39.81	PK	33.9	-18	0	55.71	-	-	74	-18.29	232	294	H
4	* 5.456	28.56	RMS	33.9	-17.9	.2	44.76	54	-9.24	-	-	232	294	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/Cb/Fitter/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	* 5.35	37.8	PK	33.8	-18.1	0	53.5	-	-	74	-20.5	268	400	V
3	* 5.35	27.83	RMS	33.8	-18.1	.2	43.73	54	-10.27	-	-	268	400	V
2	* 5.358	40.01	PK	33.8	-18.2	0	55.61	-	-	74	-18.39	268	400	V
4	* 5.46	28.34	RMS	33.9	-17.8	.2	44.64	54	-9.36	-	-	268	400	V

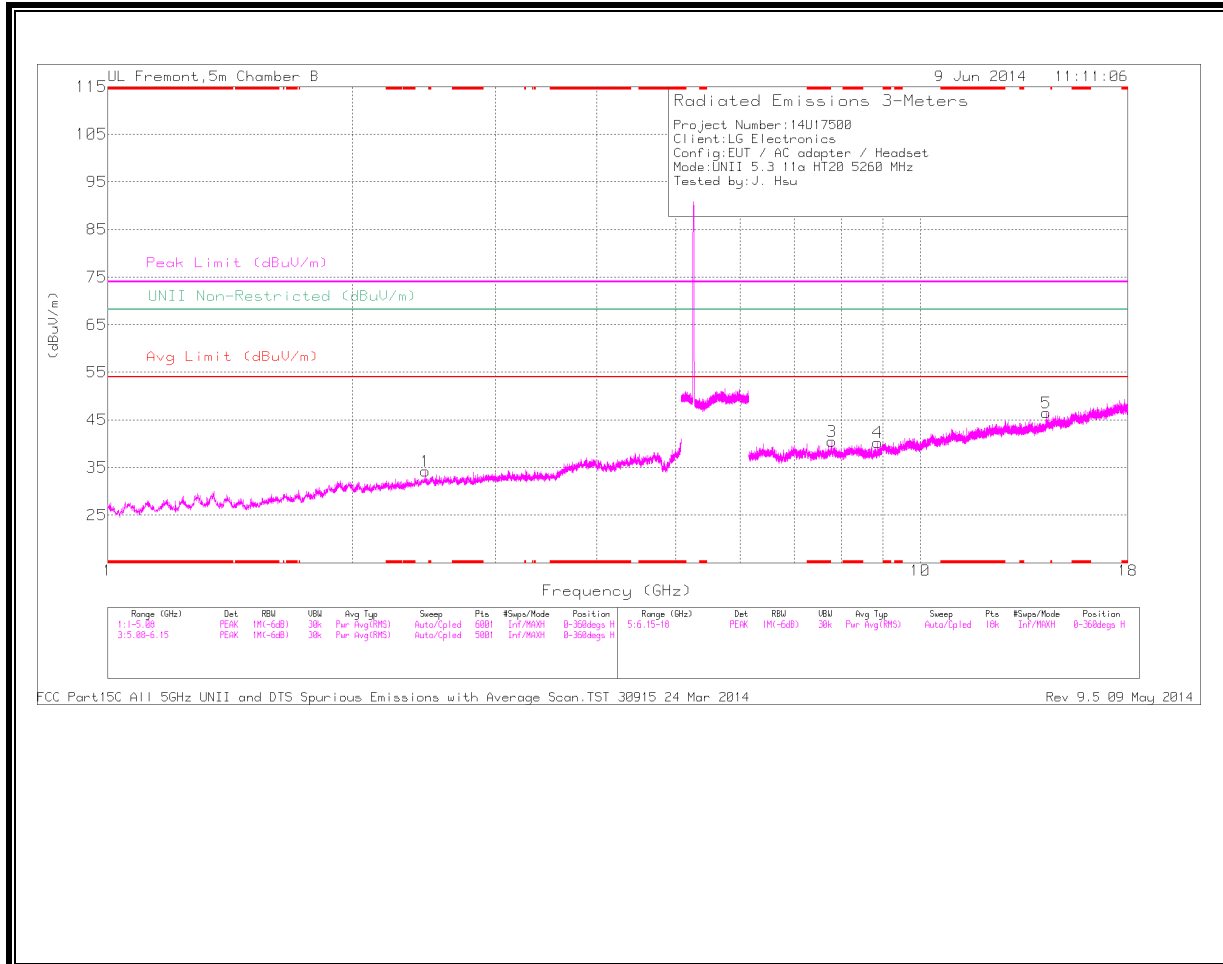
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

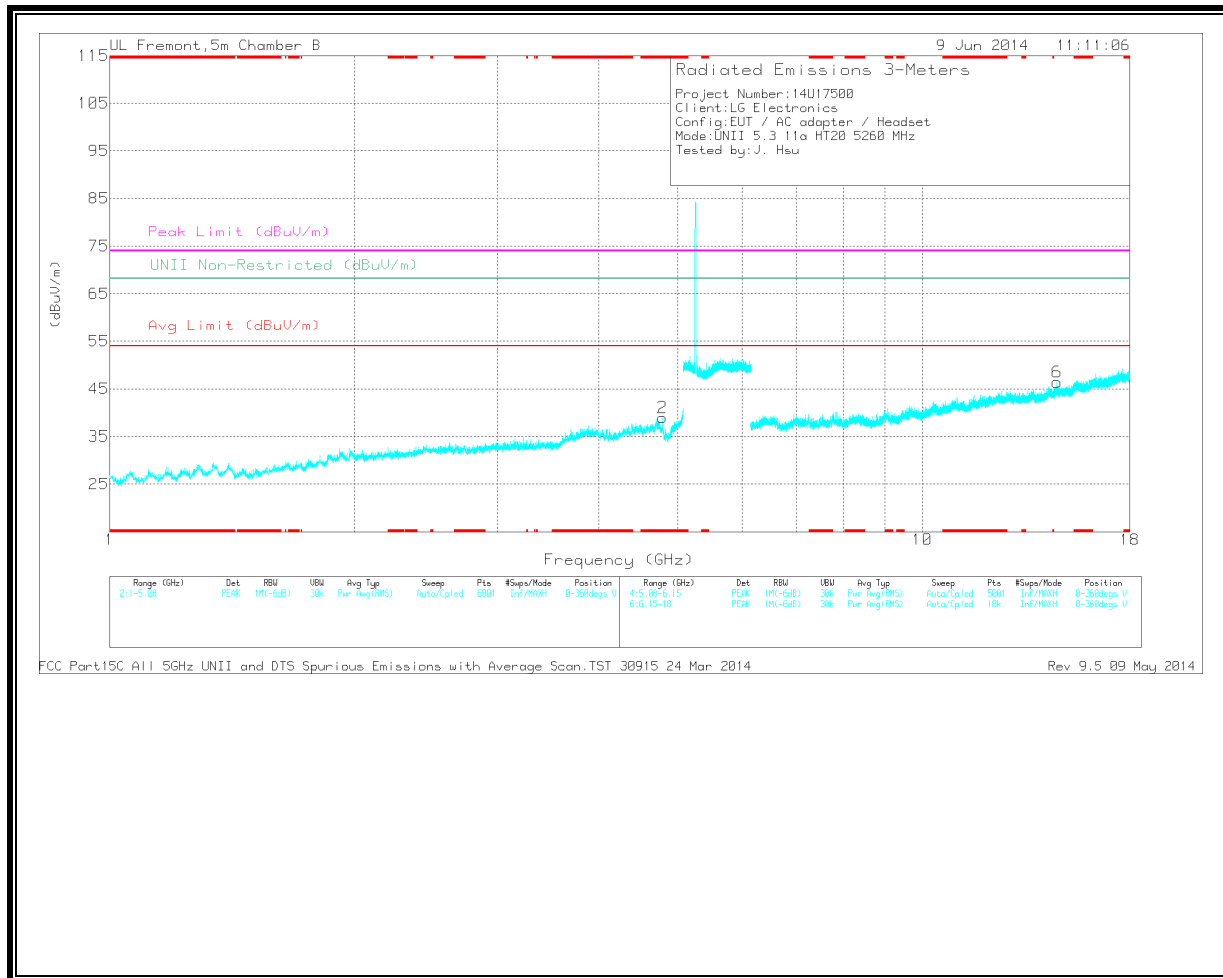
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL
 HORIZONTAL



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

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/Filtr/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	* 4.79	34.28	PK	34.2	-29.5	0	38.98	-	-	74	-35.02	-	-	0-360	101	V
1	2.459	34.32	PK	32.3	-32.4	0	34.22	-	-	-	-	68.2	-33.98	0-360	201	H
3	7.784	31.08	PK	35.7	-26.3	0	40.48	-	-	-	-	68.2	-27.72	0-360	200	H
4	8.862	29.58	PK	36	-25.3	0	40.28	-	-	-	-	68.2	-27.92	0-360	100	H
5	14.295	27.47	PK	39	-20	0	46.47	-	-	-	-	68.2	-21.73	0-360	200	H
6	14.649	26.64	PK	39.4	-19.6	0	46.44	-	-	-	-	68.2	-21.76	0-360	101	V

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

PK - Peak detector

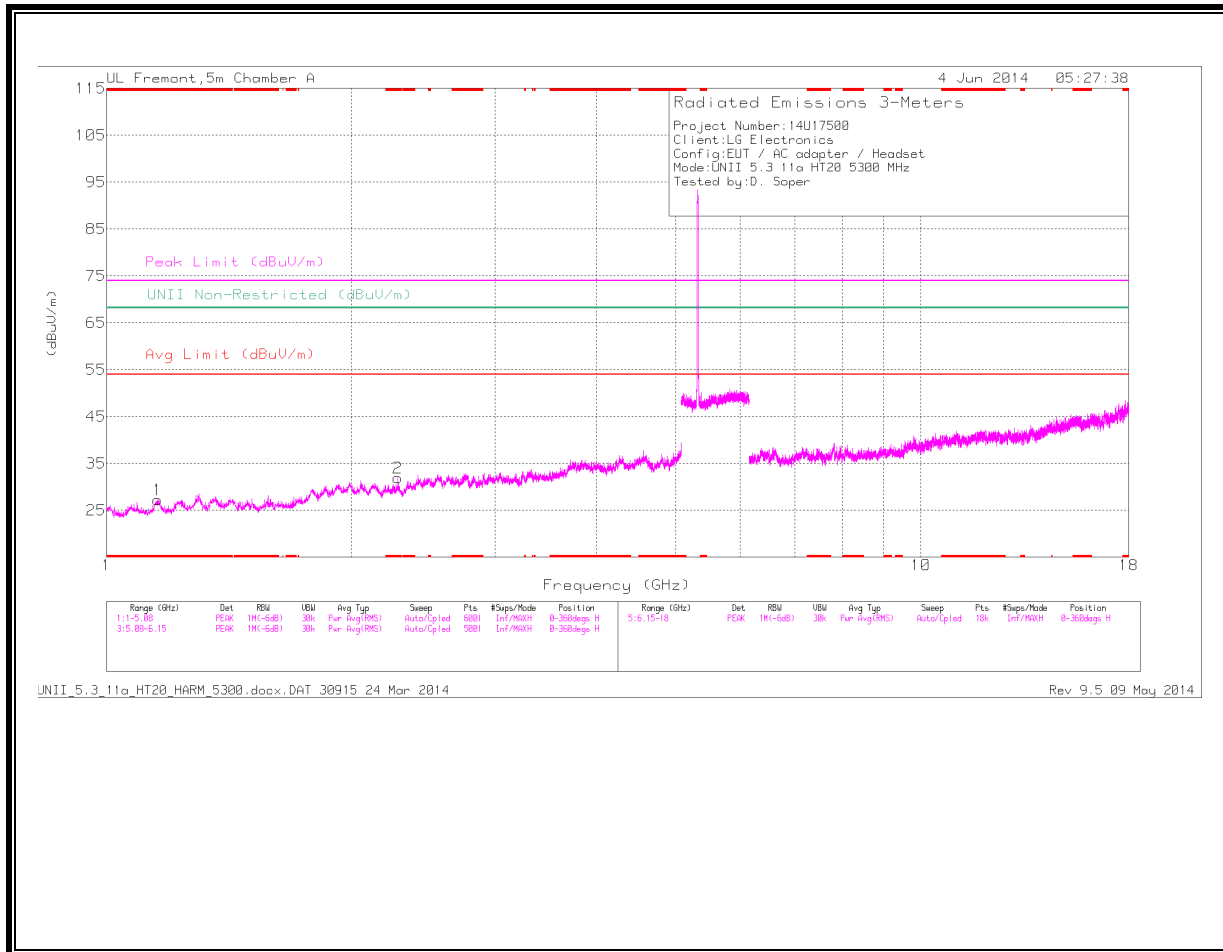
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/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
7.782	38.05	PK1	35.7	-26.3	0	47.45	-	-	-	-	68.2	-20.75	359	201	H
7.784	26.9	AD1	35.7	-26.3	.2	36.5	-	-	-	-	-	-	359	201	H

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

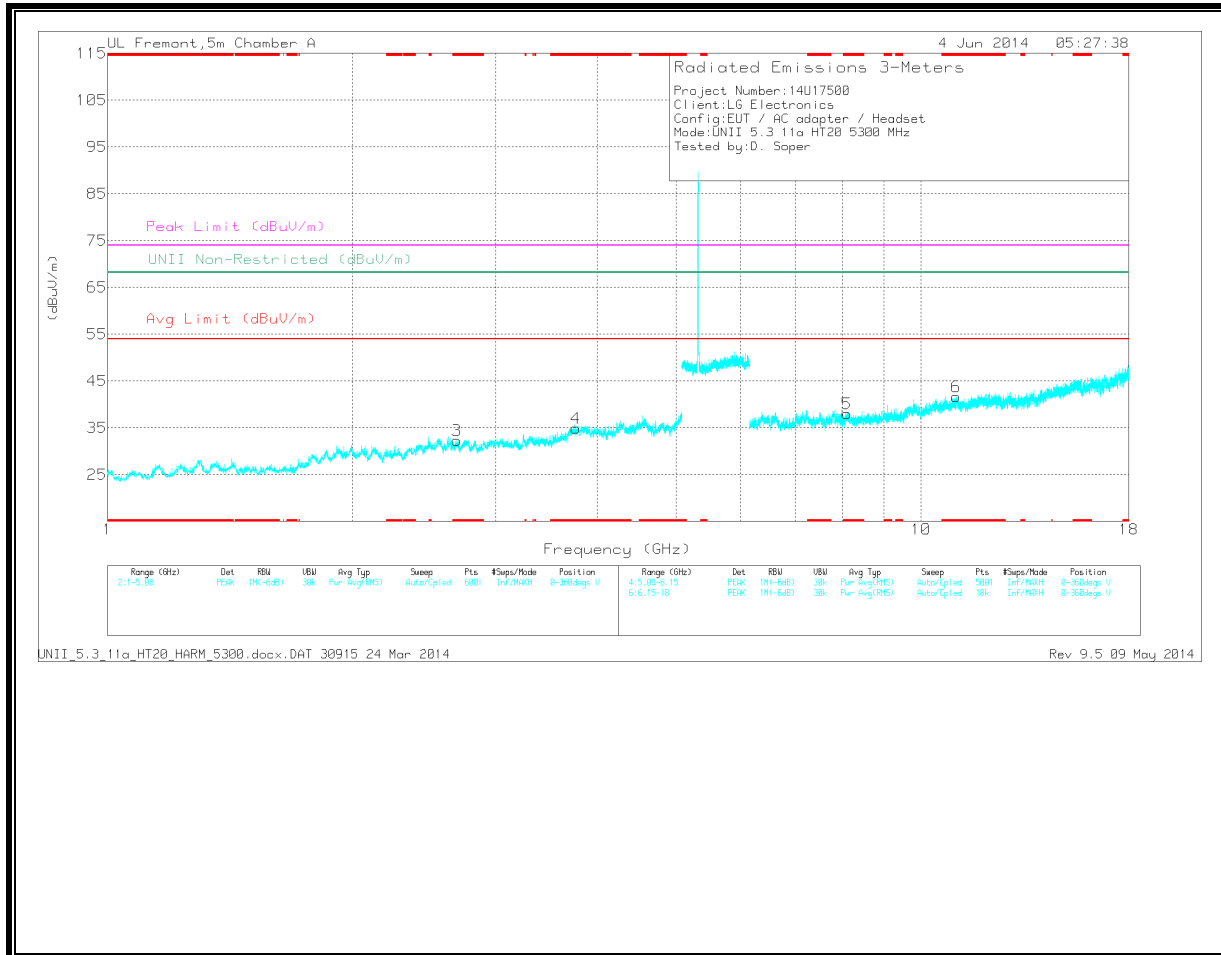
PK1 - KDB789033 Method: Peak

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.

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/Ftr/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	* 1.154	35.08	PK	28.9	-36.7	0	27.28	-	-	74	-46.72	-	-	0-360	100	H
2	* 2.28	34.4	PK	31.4	-33.9	0	31.9	-	-	74	-42.1	-	-	0-360	100	H
3	* 2.689	32.9	PK	32.7	-33.3	0	32.3	-	-	74	-41.7	-	-	0-360	200	V
4	* 3.761	31.15	PK	33.5	-29.7	0	34.95	-	-	74	-39.05	-	-	0-360	100	V
5	* 8.104	27.58	PK	35.5	-25	0	38.08	-	-	74	-35.92	-	-	0-360	100	V
6	* 11.05	25.73	PK	37.7	-21.8	0	41.63	-	-	74	-32.37	-	-	0-360	201	V

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

PK - Peak detector

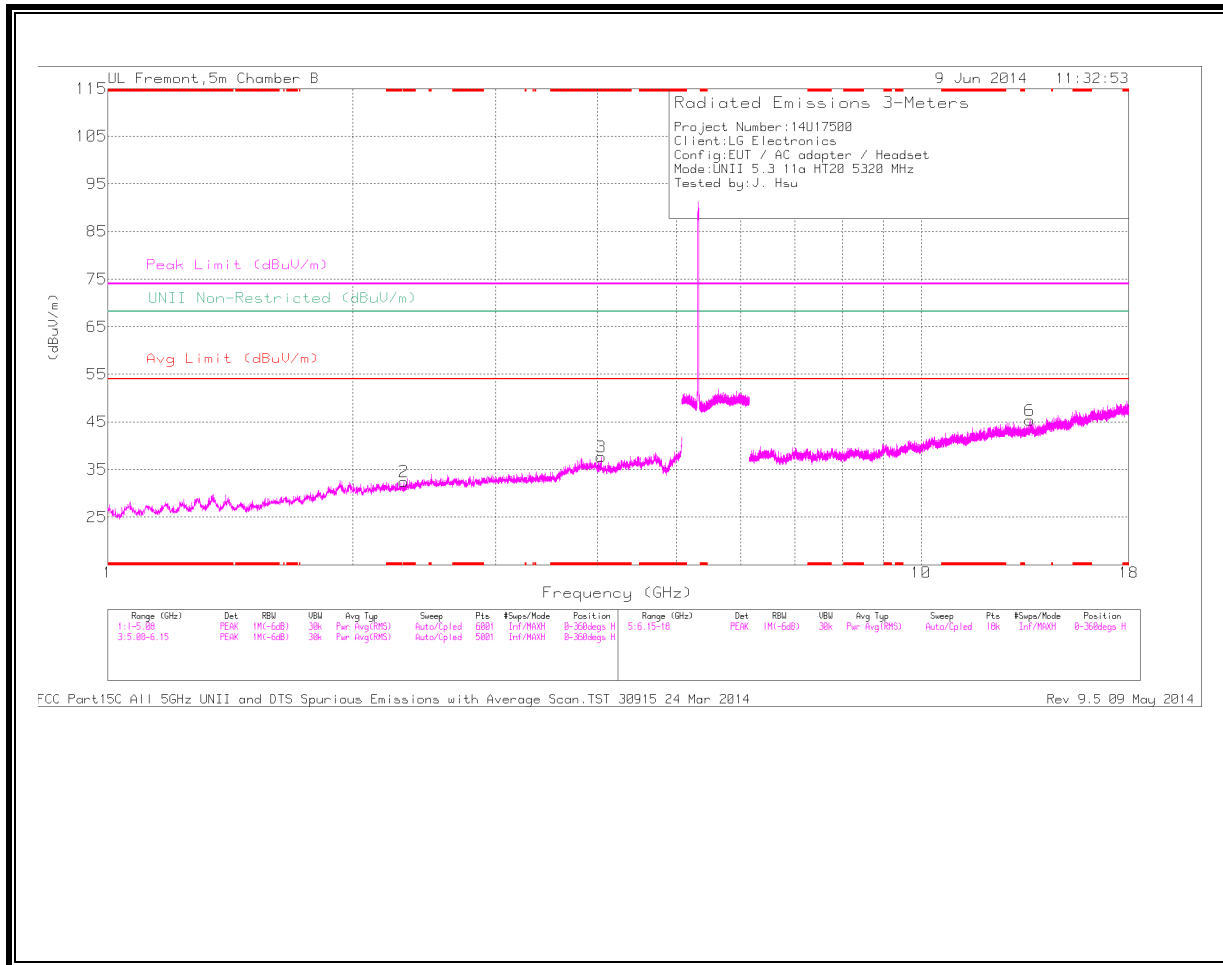
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/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
* 11.051	33.91	PK1	37.7	-21.7	0	49.91	-	-	74	-24.09	-	-	359	202	V
* 11.049	23	AD1	37.7	-21.8	.2	39.1	54	-14.9	-	-	-	-	359	202	V

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

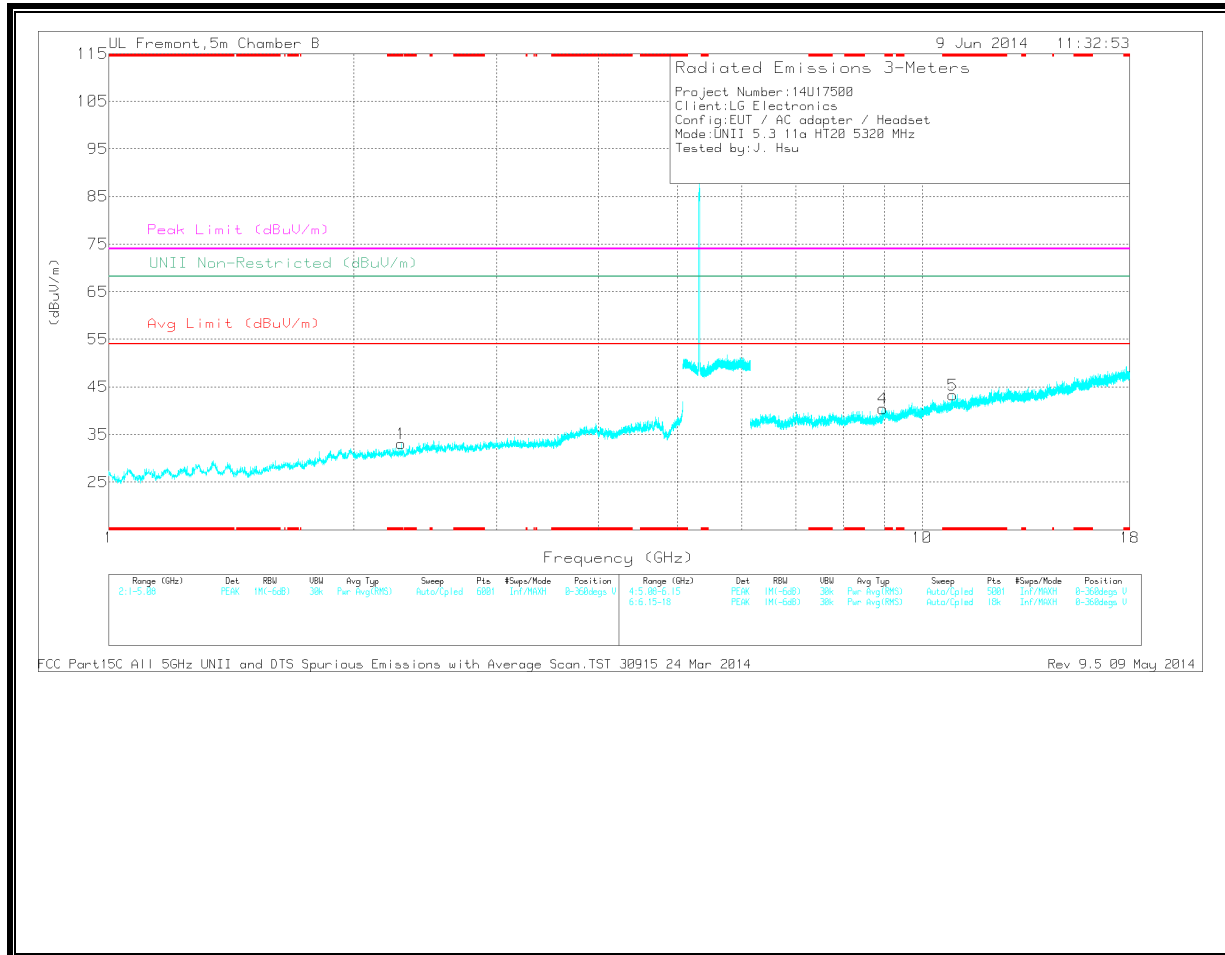
PK1 - KDB789033 Method: Peak

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.

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/Fitr/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	* 2.312	34.07	PK	31.7	-33.3	0	32.47	-	-	74	-41.53	-	-	0-360	201	H
3	* 4.043	33.65	PK	33.6	-29.6	0	37.65	-	-	74	-36.35	-	-	0-360	101	H
1	* 2.288	34.59	PK	31.6	-33.1	0	33.09	-	-	74	-40.91	-	-	0-360	101	V
5	* 10.91	27.98	PK	37.8	-22.5	0	43.28	-	-	74	-30.72	-	-	0-360	201	V
4	8.944	29.74	PK	36.1	-25.4	0	40.44	-	-	-	-	68.2	-27.76	0-360	101	V
6	13.606	27.83	PK	38.8	-21.3	0	45.33	-	-	-	-	68.2	-22.87	0-360	200	H

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

PK - Peak detector

Radiated Emissions

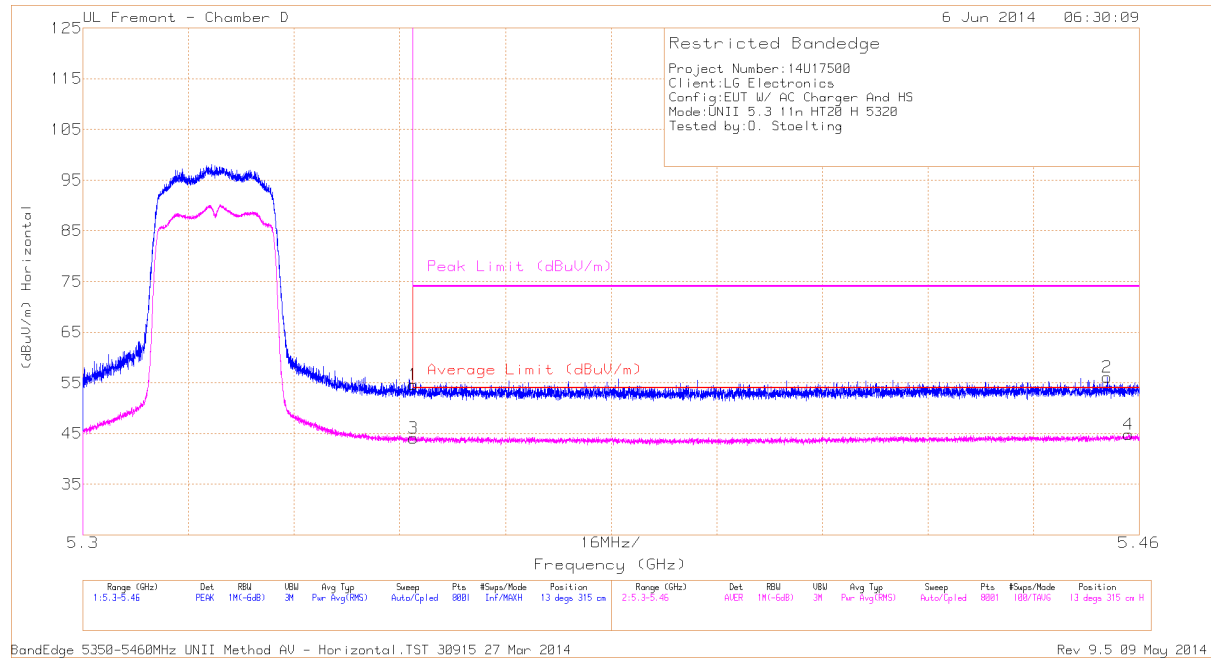
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
13.605	35.15	PK1	38.8	-21.3	0	52.65	-	-	-	-	68.2	-15.55	359	201	H
13.605	23.96	AD1	38.8	-21.3	.2	41.66	-	-	-	-	-	-	359	201	H

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

PK1 - KDB789033 Method: Peak

10.2.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL



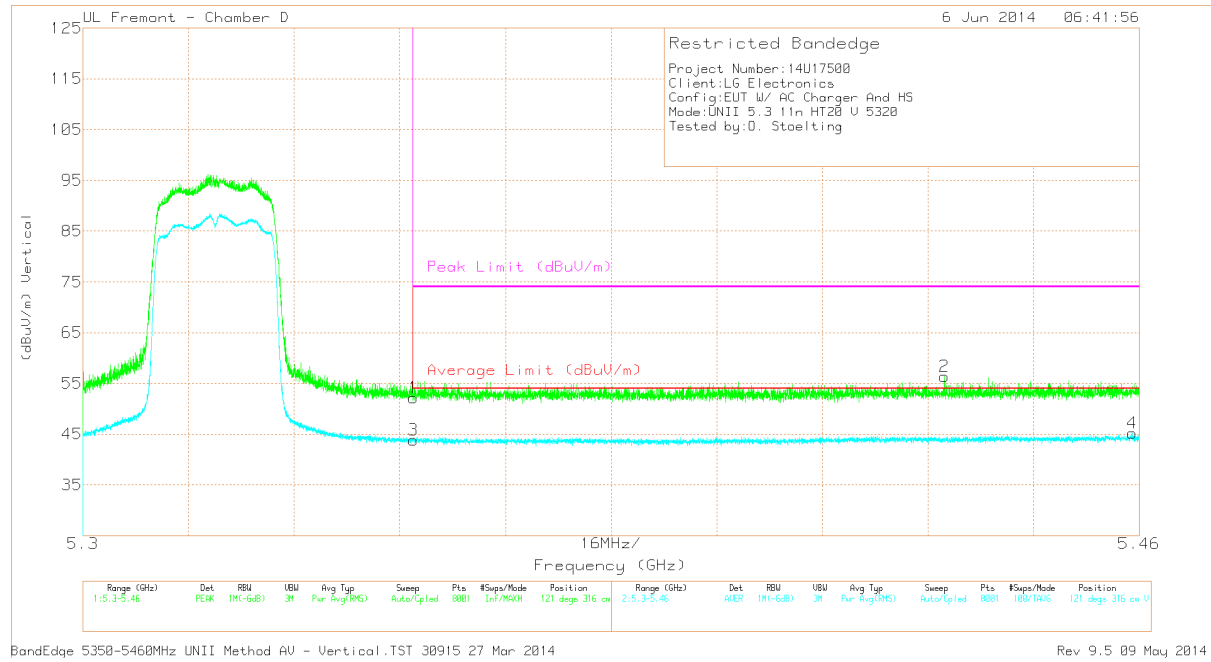
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.94	PK	33.8	-18.1	0	54.64	-	-	74	-19.36	13	315	H
3	* 5.35	28.24	RMS	33.8	-18.1	.2	44.14	54	-9.86	-	-	13	315	H
2	* 5.455	40.13	PK	33.9	-17.9	0	56.13	-	-	74	-17.87	13	315	H
4	* 5.458	28.55	RMS	33.9	-17.8	.2	44.85	54	-9.15	-	-	13	315	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/Cb/Fitter/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	* 5.35	36.51	PK	33.8	-18.1	0	52.21	-	-	74	-21.79	121	316	V
3	* 5.35	27.95	RMS	33.8	-18.1	.2	43.85	54	-10.15	-	-	121	316	V
2	* 5.431	40.43	PK	33.9	-18	0	56.33	-	-	74	-17.67	121	316	V
4	* 5.459	28.9	RMS	33.9	-17.8	.2	45.2	54	-8.8	-	-	121	316	V

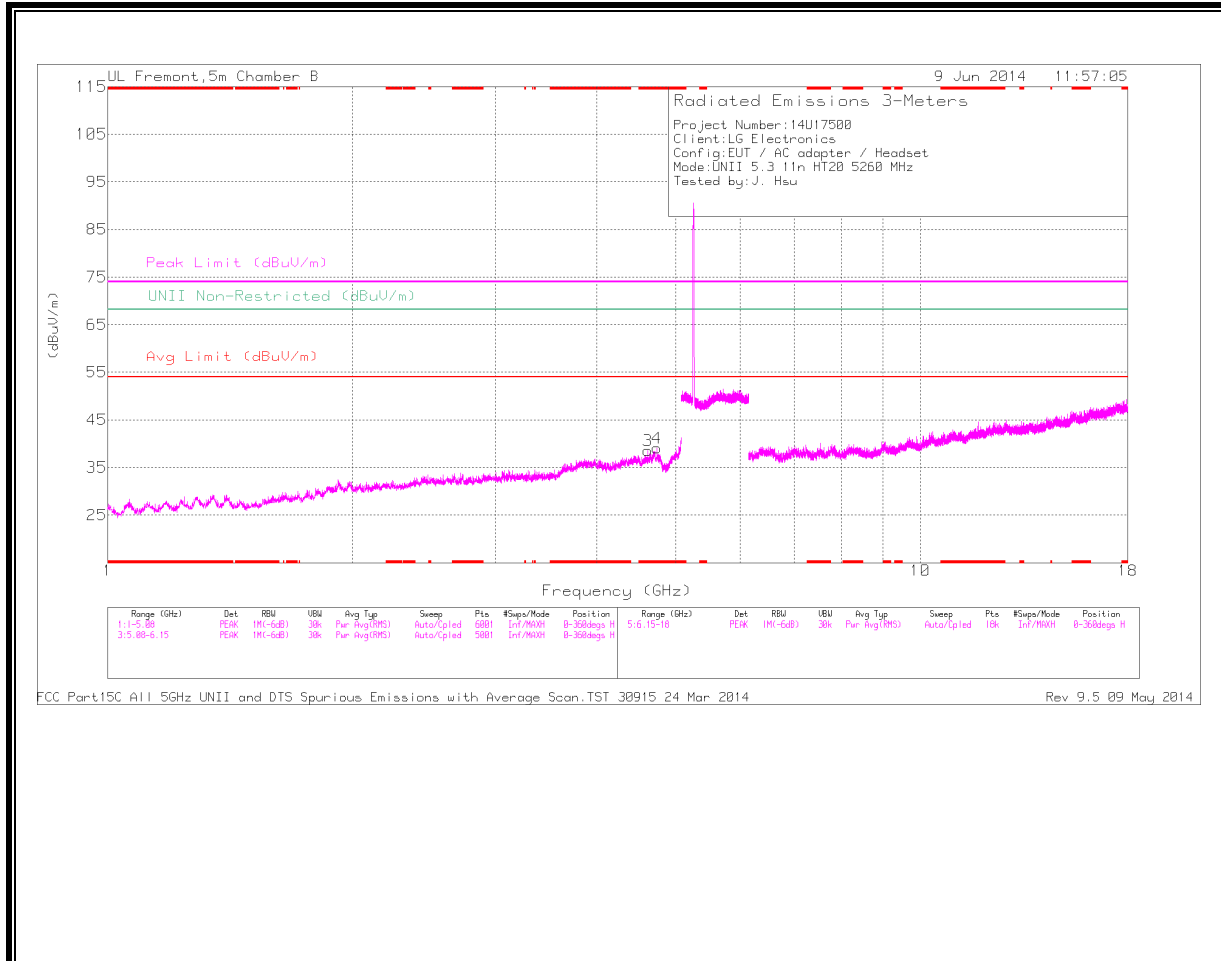
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

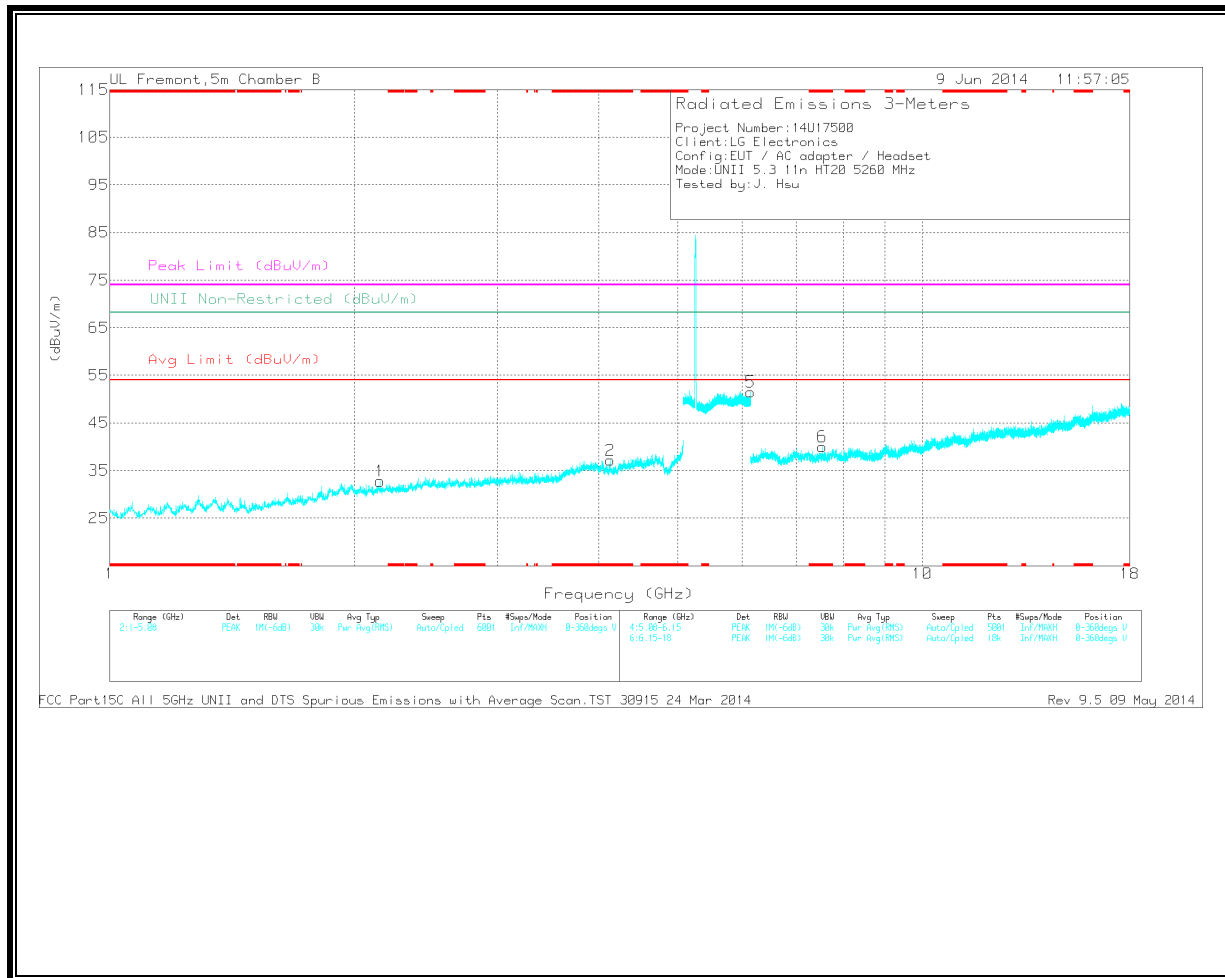
HARMONICS AND SPURIOUS EMISSIONS

**LOW CHANNEL
 HORIZONTAL**



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

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/Filtr/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	* 4.62	33.78	PK	34.2	-29.4	0	38.58	-	-	74	-35.42	-	-	0-360	101	H
4	* 4.74	34.78	PK	34.2	-29.9	0	39.08	-	-	74	-34.92	-	-	0-360	101	H
2	* 4.129	34.55	PK	33.6	-31	0	37.15	-	-	74	-36.85	-	-	0-360	201	V
6	* 7.531	30.73	PK	35.6	-26.3	0	40.03	-	-	74	-33.97	-	-	0-360	201	V
1	2.153	34.18	PK	31.3	-32.7	0	32.78	-	-	-	-	68.2	-35.42	0-360	101	V
5	6.145	35.7	PK	35.4	-19.6	0	51.5	-	-	-	-	68.2	-16.7	0-360	101	V

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

PK - Peak detector

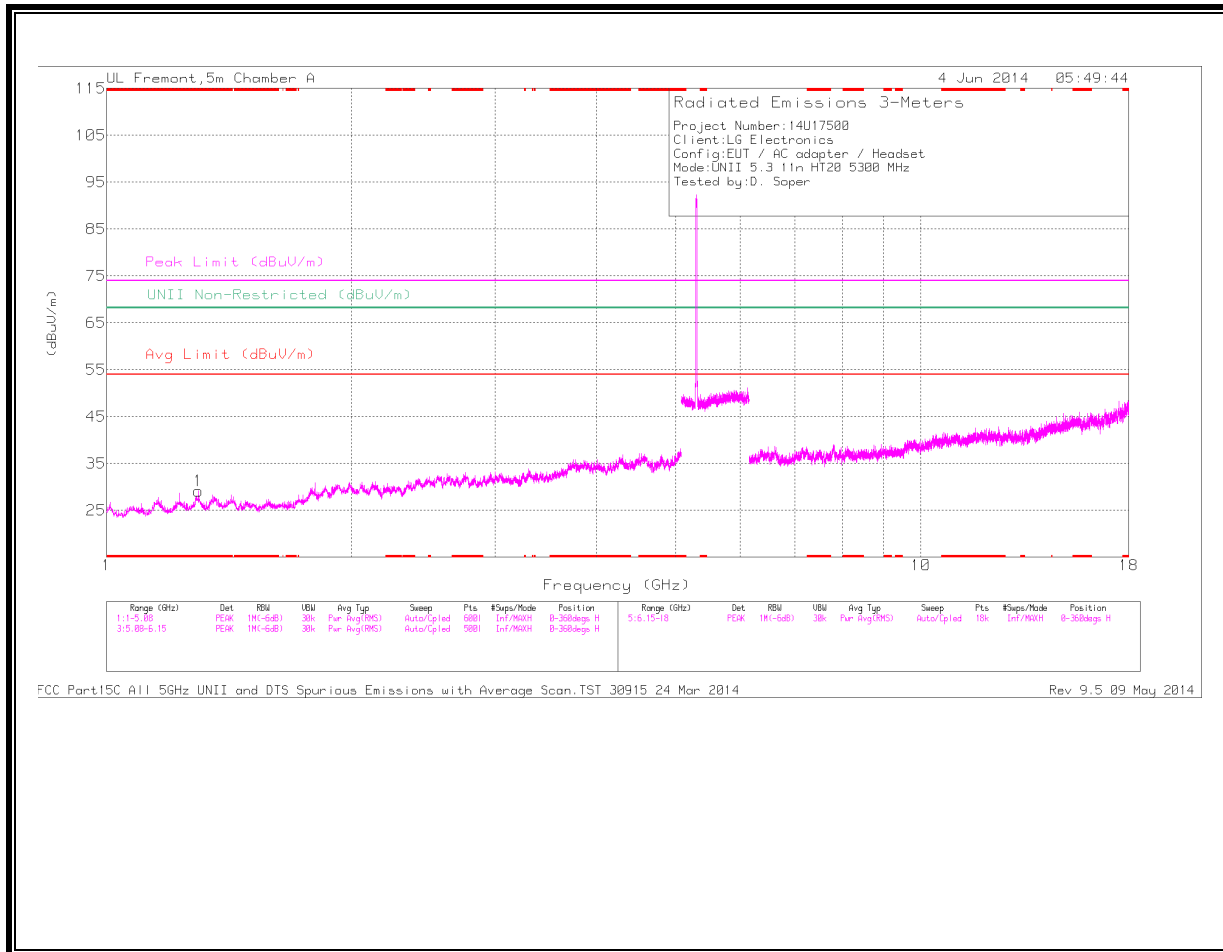
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/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
* 7.533	37.38	PK1	35.6	-26.3	0	46.68	-	-	74	-27.32	-	-	359	203	V
* 7.531	27.11	AD1	35.6	-26.3	.2	36.61	54	-17.39	-	-	-	-	359	203	V

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

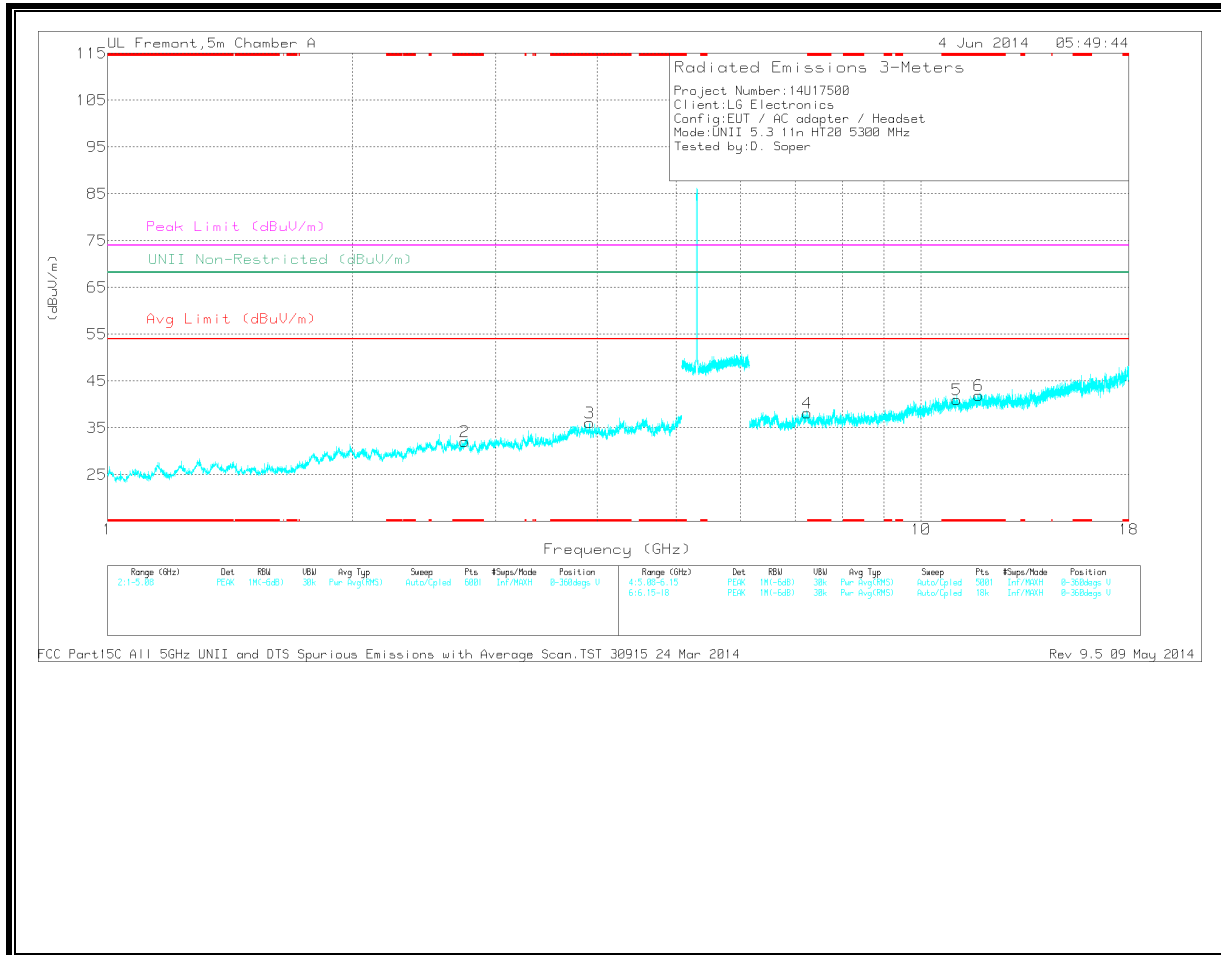
PK1 - KDB789033 Method: Peak

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.

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/Filtr/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	* 1.297	35.65	PK	30.2	-36.7	0	29.15	-	-	74	-44.85	-	-	0-360	200	H
2	* 2.746	31.46	PK	32.7	-32.1	0	32.06	-	-	74	-41.94	-	-	0-360	100	V
3	* 3.912	33.6	PK	33.8	-31.3	0	36.1	-	-	74	-37.9	-	-	0-360	201	V
4	* 7.25	28.43	PK	35.2	-25.5	0	38.13	-	-	74	-35.87	-	-	0-360	201	V
5	* 11.054	25.05	PK	37.7	-21.7	0	41.05	-	-	74	-32.95	-	-	0-360	201	V
6	* 11.763	25.48	PK	38.7	-22.2	0	41.98	-	-	74	-32.02	-	-	0-360	201	V

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

PK - Peak detector

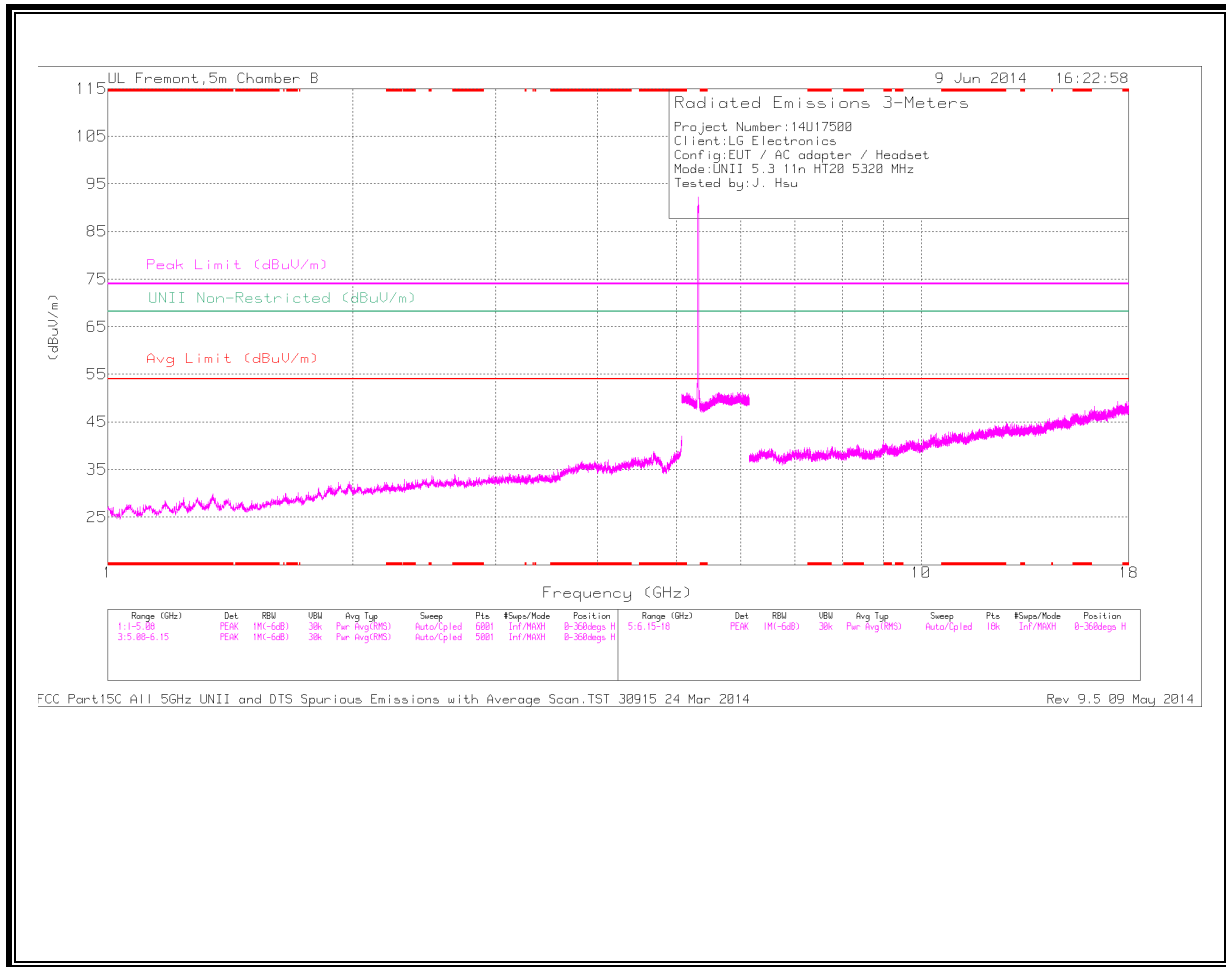
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/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
* 1.298	43.12	PK1	30.2	-36.7	0	36.62	-	-	74	-37.38	-	-	359	201	H
* 1.297	31.98	AD1	30.2	-36.7	.2	25.68	54	-28.32	-	-	-	-	359	201	H

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

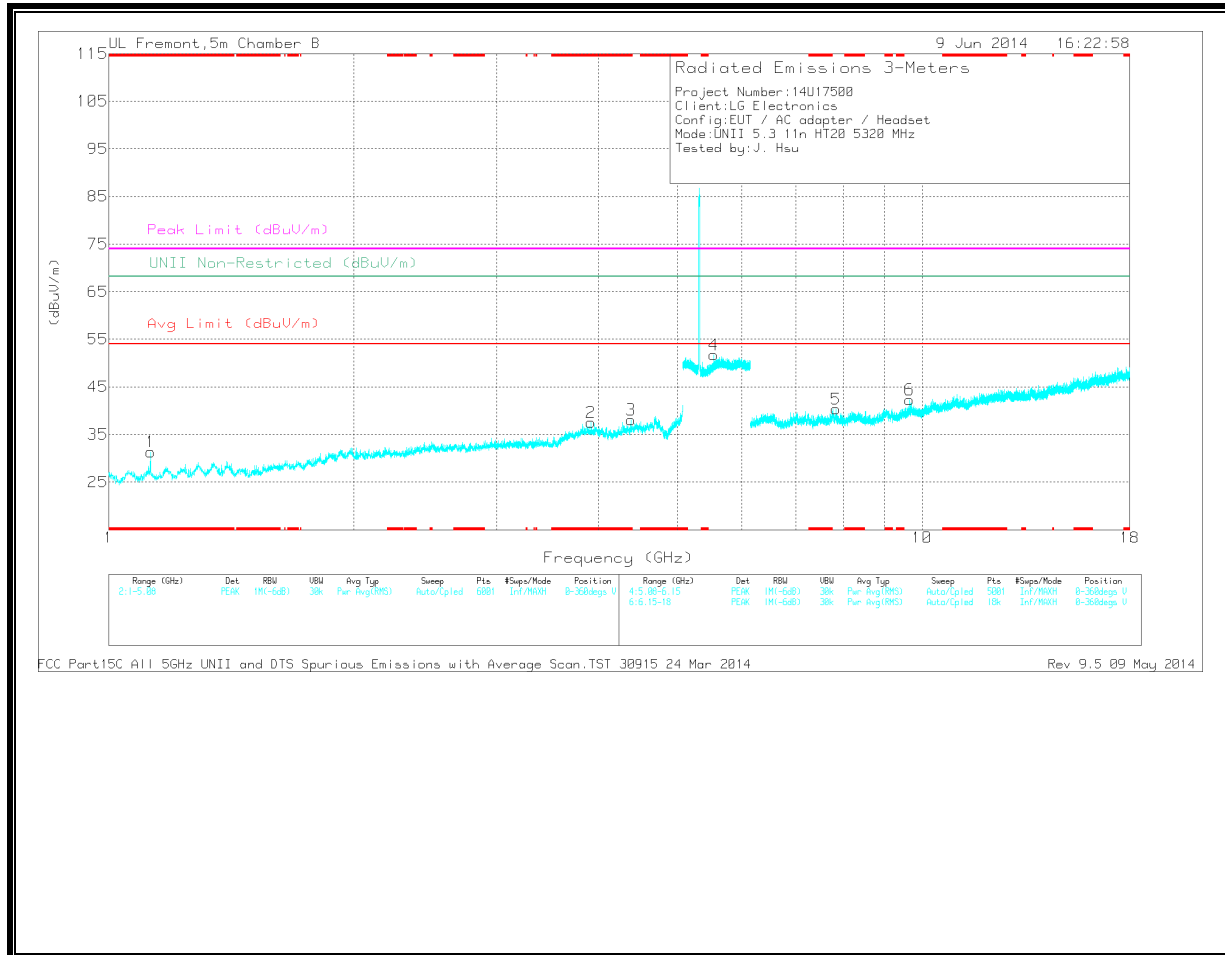
PK1 - KDB789033 Method: Peak

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.

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/Fitr/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	* 1.126	38.36	PK	27.6	-34.6	0	31.36	-	-	74	-42.64	-	-	0-360	201	V
2	* 3.914	35.14	PK	33.8	-31.4	0	37.54	-	-	74	-36.46	-	-	0-360	101	V
3	* 4.389	34.99	PK	33.8	-30.7	0	38.09	-	-	74	-35.91	-	-	0-360	101	V
4	5.545	37.02	PK	34.5	-19.8	0	51.72	-	-	-	-	68.2	-16.48	0-360	201	V
5	7.832	30.86	PK	35.7	-26.2	0	40.36	-	-	-	-	68.2	-27.84	0-360	100	V
6	9.648	29.73	PK	36.8	-24.2	0	42.33	-	-	-	-	68.2	-25.87	0-360	201	V

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

PK - Peak detector

Radiated Emissions

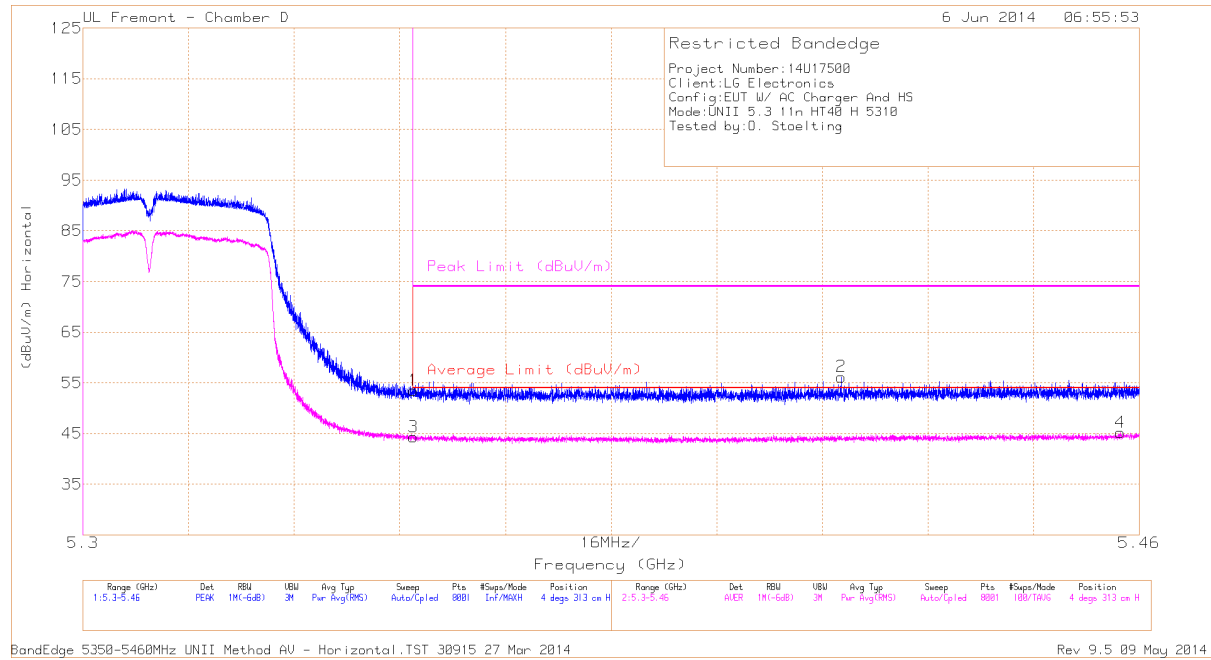
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.127	43.26	PK1	27.6	-34.6	0	36.26	-	-	74	-37.74	-	-	360	202	V
* 1.126	31.64	AD1	27.6	-34.6	.2	24.84	54	-29.16	-	-	-	-	360	202	V

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

PK1 - KDB789033 Method: Peak

10.2.5. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL



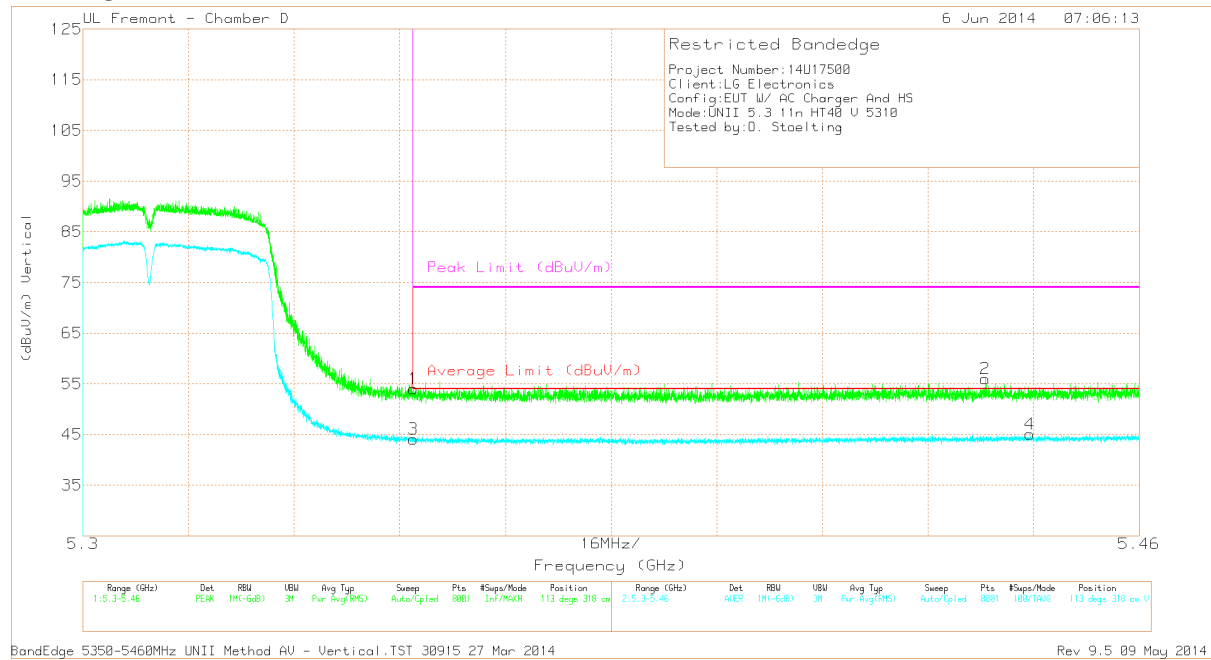
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.87	PK	33.8	-18.1	0	53.57	-	-	74	-20.43	4	313	H
3	* 5.35	28.17	RMS	33.8	-18.1	.5	44.37	54	-9.63	-	-	4	313	H
2	* 5.415	40.29	PK	33.9	-18	0	56.19	-	-	74	-17.81	4	313	H
4	* 5.457	28.67	RMS	33.9	-17.9	.5	45.17	54	-8.83	-	-	4	313	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/Fit 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	* 5.35	38.37	PK	33.8	-18.1	0	54.07	-	-	74	-19.93	113	318	V
3	* 5.35	27.84	RMS	33.8	-18.1	.5	44.04	54	-9.96	-	-	113	318	V
2	* 5.437	40.14	PK	33.9	-18	0	56.04	-	-	74	-17.96	113	318	V
4	* 5.443	28.62	RMS	33.9	-18	.5	45.02	54	-8.98	-	-	113	318	V

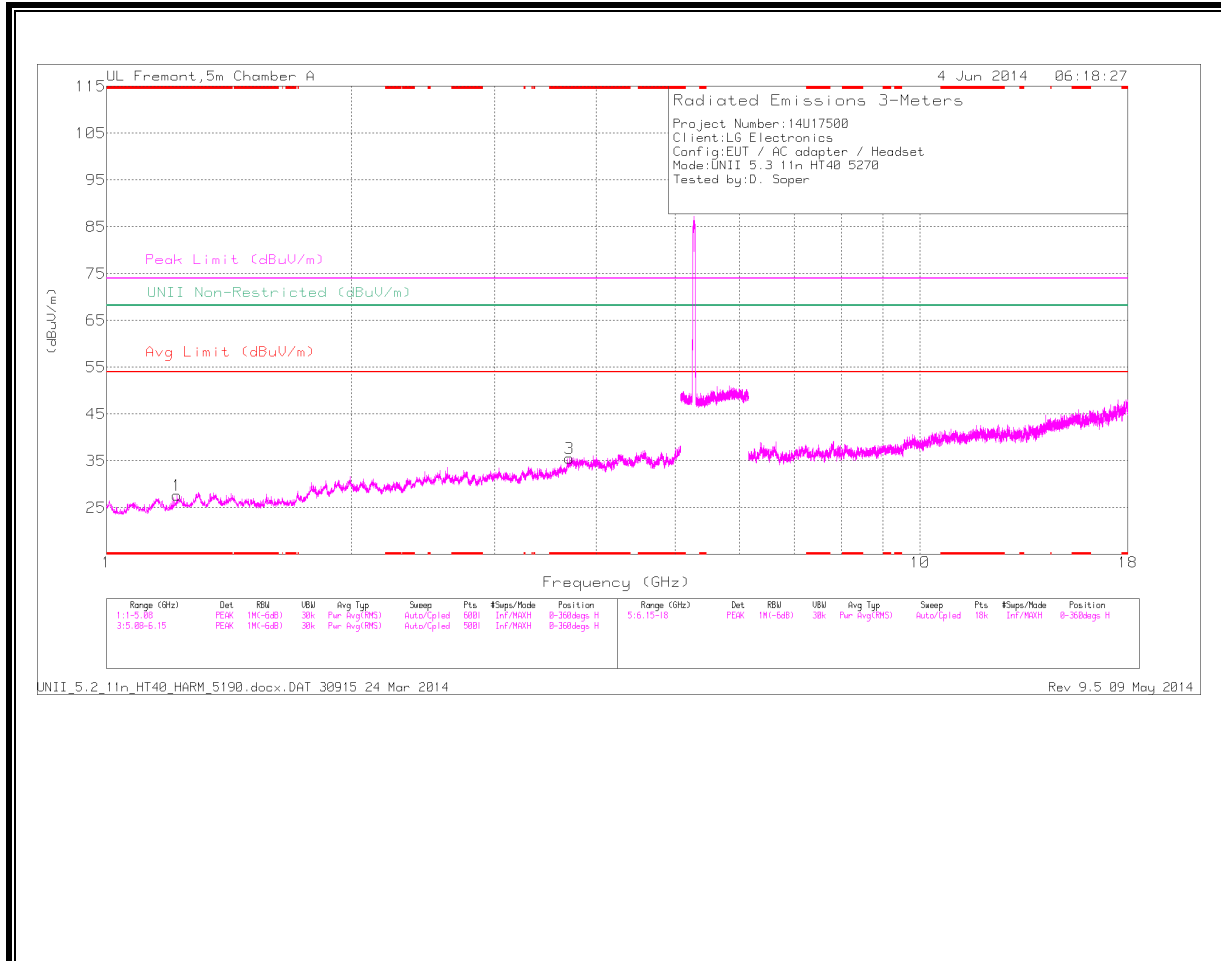
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

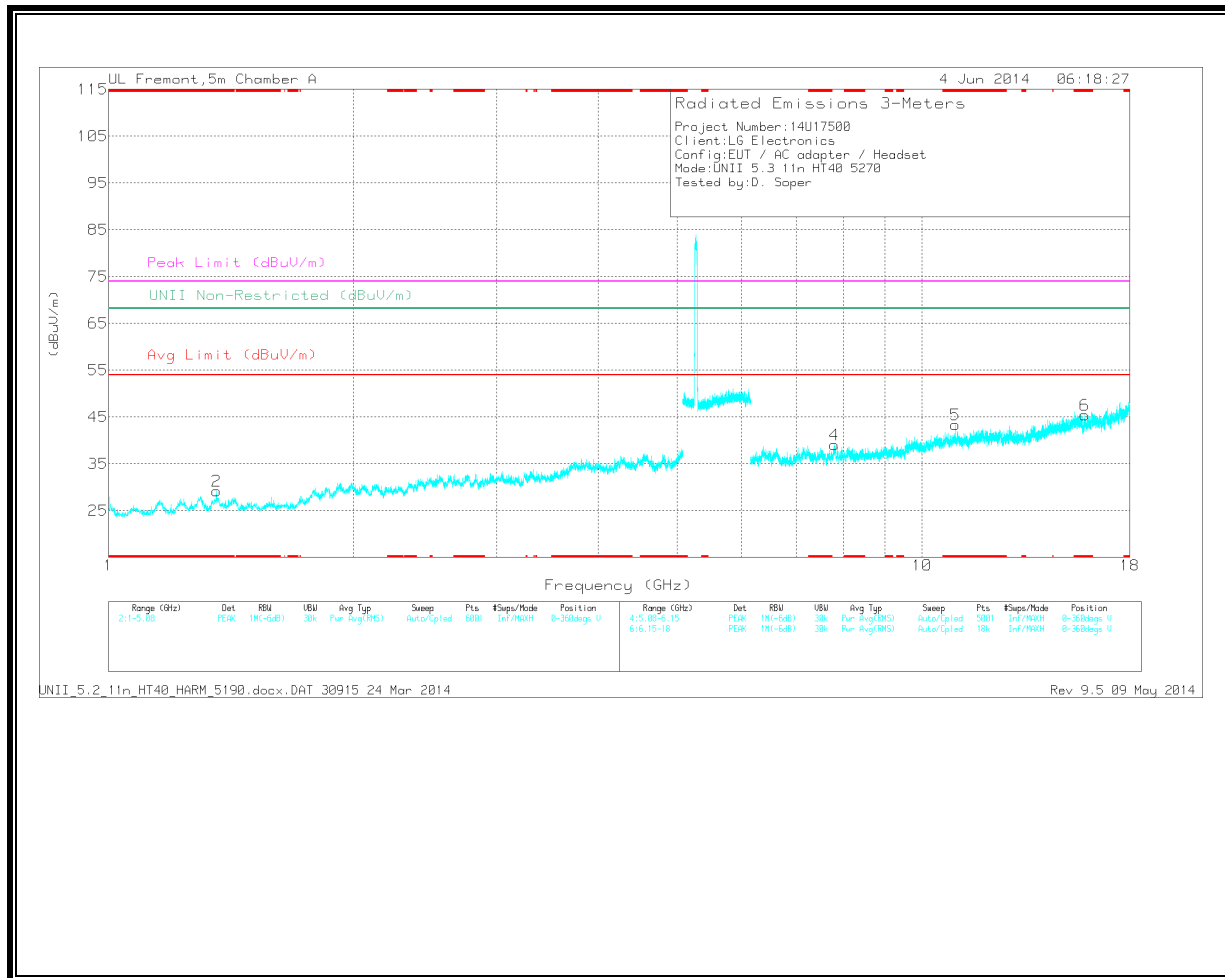
HARMONICS AND SPURIOUS EMISSIONS

**LOW CHANNEL
 HORIZONTAL**



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

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/Filtr/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	* 1.221	35.26	PK	29.5	-37.1	0	27.66	-	-	74	-46.34	-	-	0-360	200	H
3	* 3.708	32.37	PK	33.4	-30.2	0	35.57	-	-	74	-38.43	-	-	0-360	200	H
2	* 1.357	36.04	PK	30	-36.8	0	29.24	-	-	74	-44.76	-	-	0-360	201	V
5	* 10.994	28	PK	37.7	-22.3	0	43.4	-	-	74	-30.6	-	-	0-360	200	V
6	* 15.839	25.96	PK	40.3	-20.8	0	45.46	-	-	74	-28.54	-	-	0-360	100	V
4	7.808	28.22	PK	35.5	-24.7	0	39.02	-	-	-	-	68.2	-29.18	0-360	100	V

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

PK - Peak detector

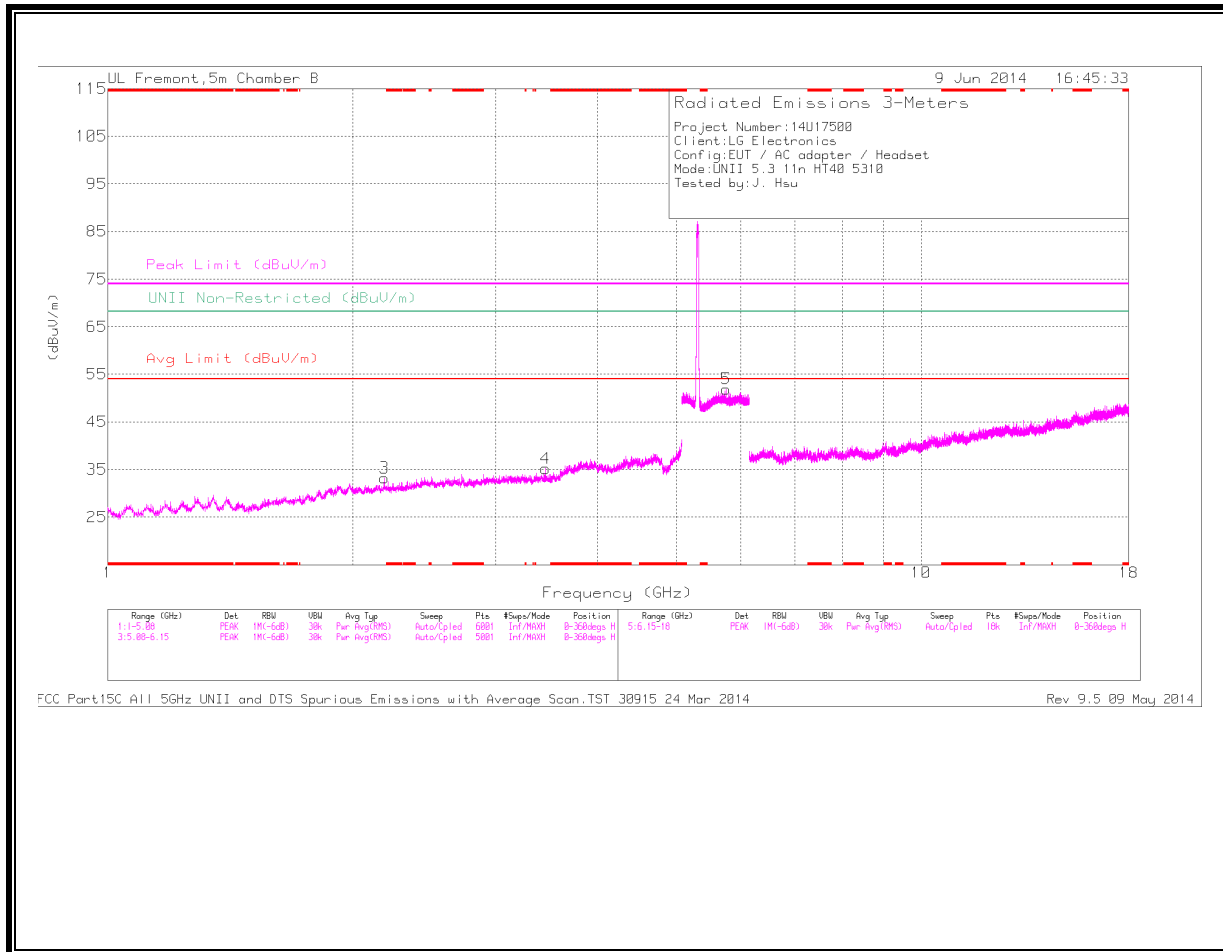
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/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
* 10.993	33.33	PK1	37.7	-22.3	0	48.73	-	-	74	-25.27	-	-	359	201	V
* 10.993	22.85	AD1	37.7	-22.2	.5	38.85	54	-15.15	-	-	-	-	359	201	V

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

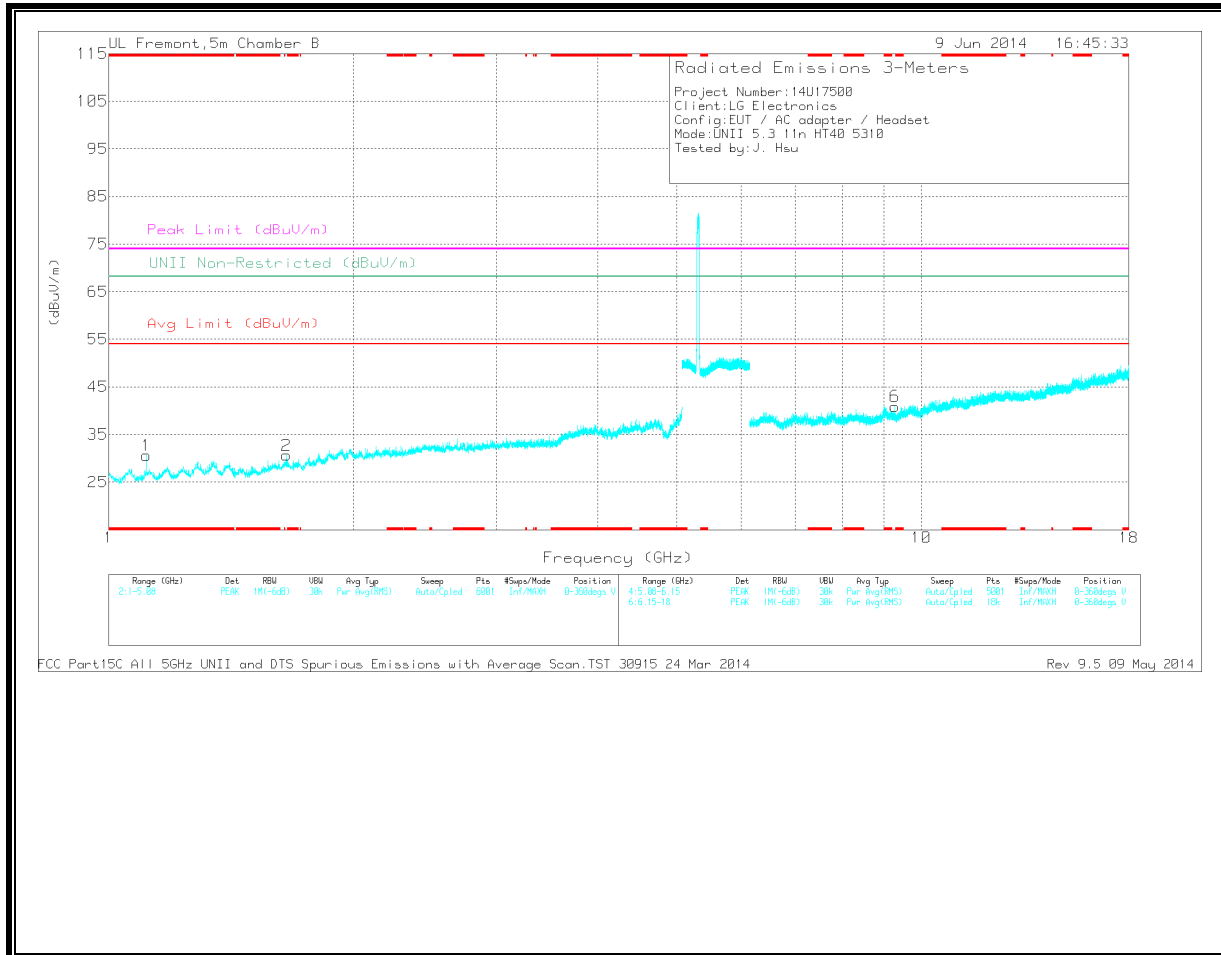
PK1 - KDB789033 Method: Peak

MID CHANNEL
 HORIZONTAL



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

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/Fitr/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	* 1.113	37.7	PK	27.5	-34.6	0	30.6	-	-	74	-43.4	-	-	0-360	101	V
2	1.655	34.83	PK	28.8	-33	0	30.63	-	-	-	-	68.2	-37.57	0-360	101	V
3	2.188	34.36	PK	31.3	-32.4	0	33.26	-	-	-	-	68.2	-34.94	0-360	100	H
4	3.453	33.5	PK	32.8	-31.1	0	35.2	-	-	-	-	68.2	-33	0-360	201	H
5	5.759	37.22	PK	34.6	-19.9	0	51.92	-	-	-	-	68.2	-16.28	0-360	200	H
6	9.28	29.22	PK	36.4	-24.7	0	40.92	-	-	-	-	68.2	-27.28	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/Fitr/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
* 1.113	42.9	PK1	27.5	-34.6	0	35.8	-	-	74	-38.2	-	-	359	101	V
* 1.114	31.69	AD1	27.5	-34.6	.5	25.19	54	-28.91	-	-	-	-	359	101	V

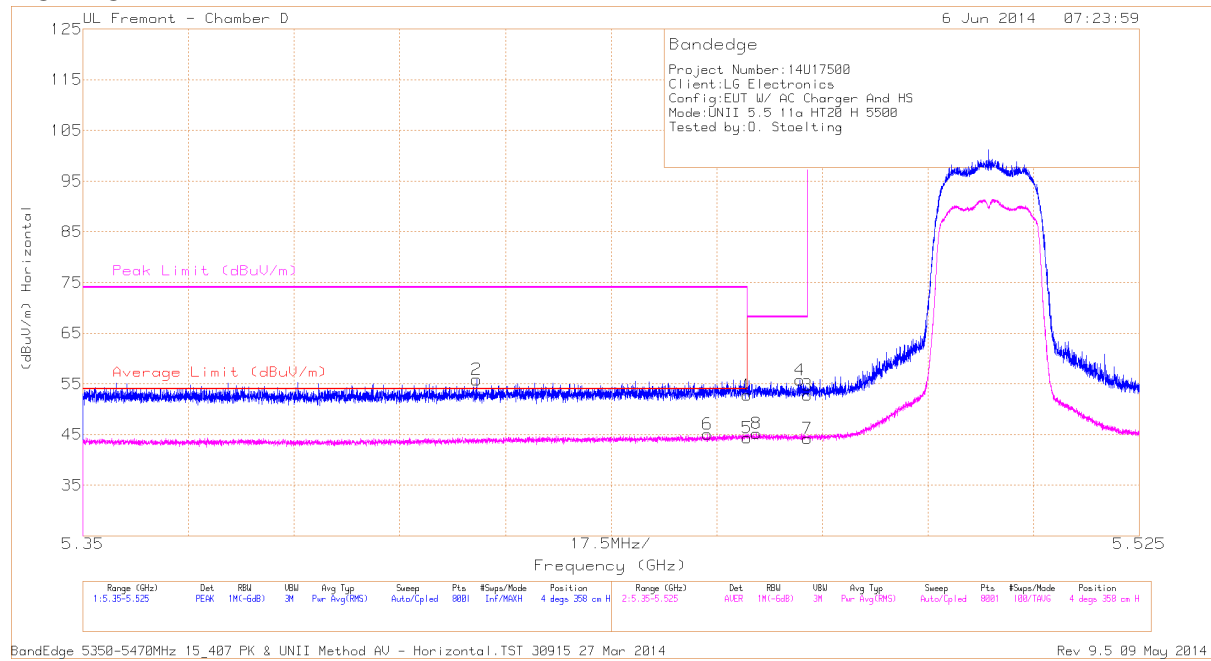
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

10.3. 5.5-5.6 GHz

10.3.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL



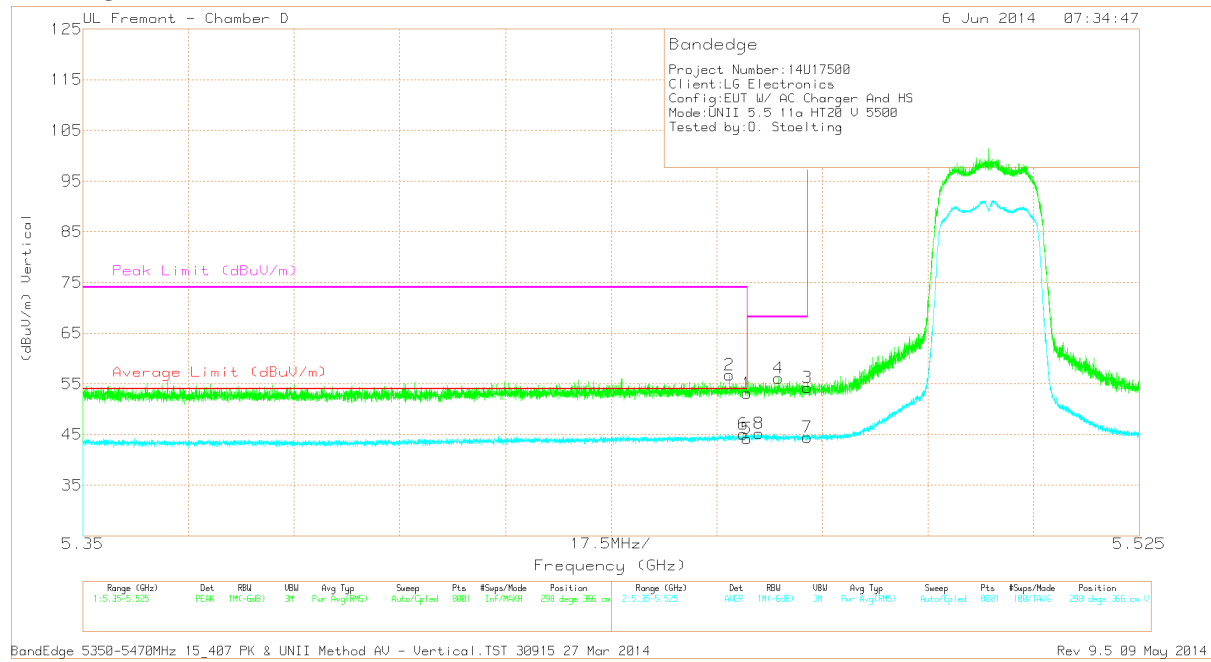
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.415	39.92	PK	33.9	-18	0	55.82	-	-	74	-18.18	4	358	H
6	* 5.453	28.97	RMS	33.9	-18	.2	45.07	54	-8.93	-	-	4	358	H
1	* 5.46	36.66	PK	33.9	-17.8	0	52.76	-	-	74	-21.24	4	358	H
5	* 5.46	28.07	RMS	33.9	-17.8	.2	44.37	54	-9.63	-	-	4	358	H
8	5.462	28.9	RMS	33.9	-17.8	.2	45.2	-	-	-	-	4	358	H
4	5.469	39.8	PK	33.9	-17.9	0	55.8	-	-	68.2	-12.4	4	358	H
3	5.47	36.72	PK	33.9	-17.9	0	52.72	-	-	68.2	-15.48	4	358	H
7	5.47	28.01	RMS	33.9	-17.9	.2	44.21	-	-	-	-	4	358	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/FI tr/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	* 5.457	40.8	PK	33.9	-17.9	0	56.8	-	-	74	-17.2	298	366	V
6	* 5.459	28.8	RMS	33.9	-17.8	.2	45.1	54	-8.9	-	-	298	366	V
1	* 5.46	37.04	PK	33.9	-17.8	0	53.14	-	-	74	-20.86	298	366	V
5	* 5.46	27.88	RMS	33.9	-17.8	.2	44.18	54	-9.82	-	-	298	366	V
8	5.462	28.79	RMS	33.9	-17.7	.2	45.19	-	-	-	-	298	366	V
4	5.465	40	PK	33.9	-17.8	0	56.1	-	-	68.2	-12.1	298	366	V
3	5.47	38.28	PK	33.9	-17.9	0	54.28	-	-	68.2	-13.92	298	366	V
7	5.47	28.2	RMS	33.9	-17.9	.2	44.4	-	-	-	-	298	366	V

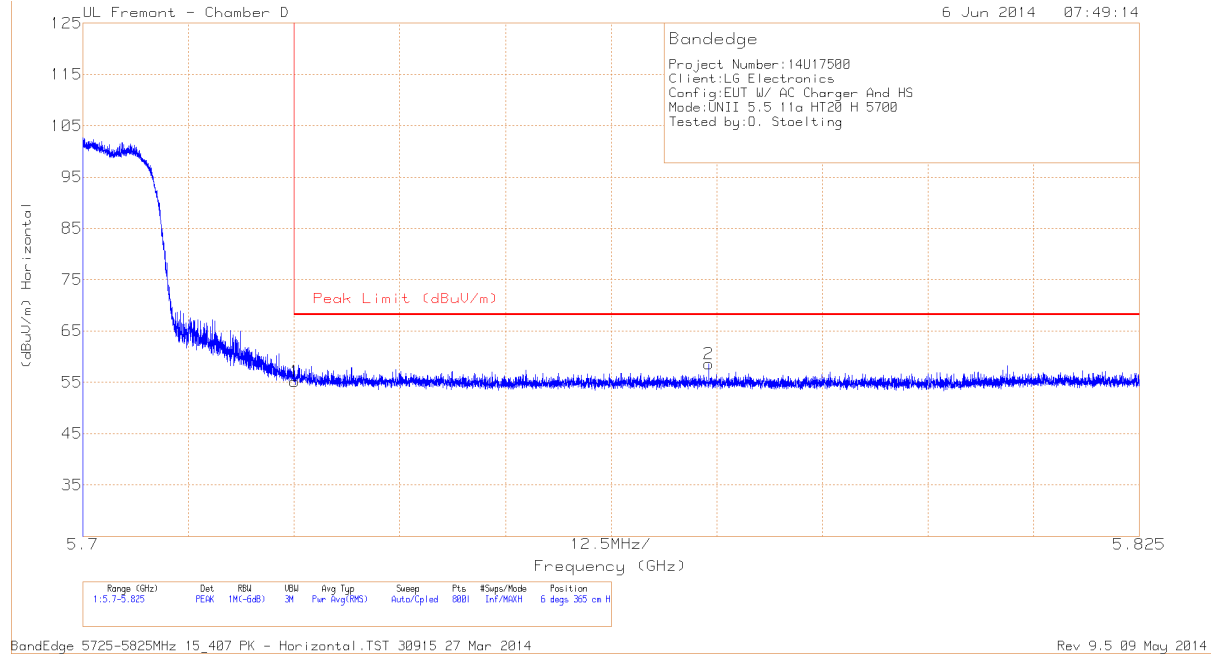
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

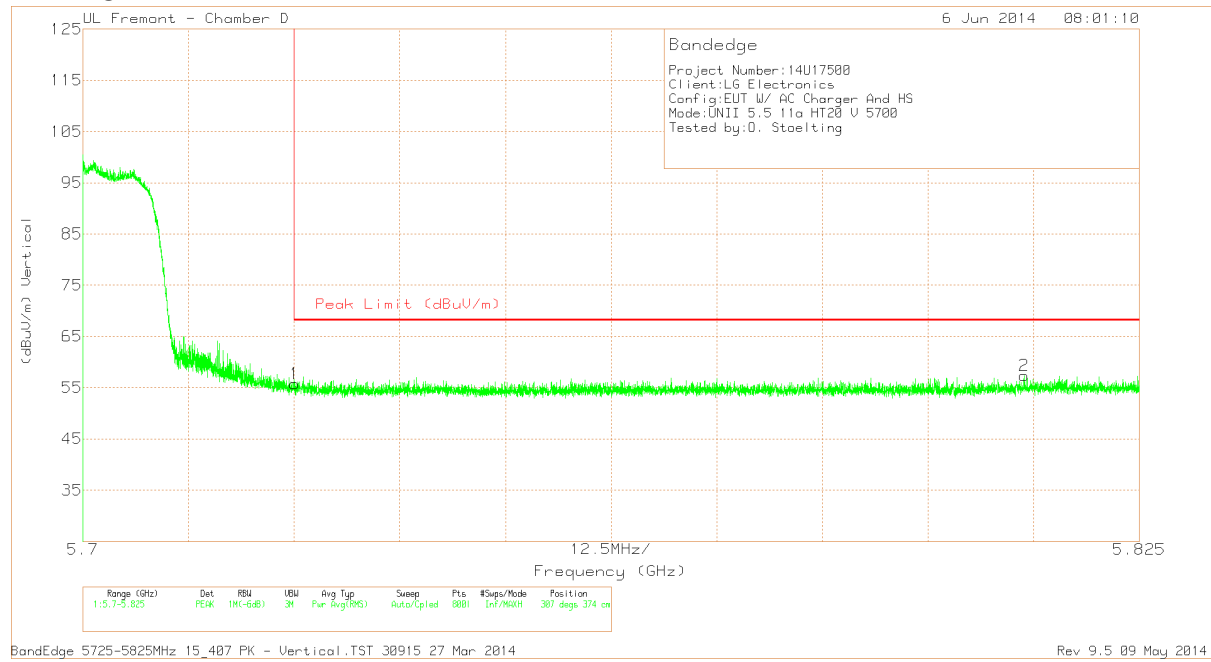
HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.58	PK	34.2	-17.6	0	55.18	68.2	-13.02	6	365	H
2	5.774	41.94	PK	34.2	-17.6	0	58.54	68.2	-9.66	6	365	H

PK - Peak detector

VERTICAL

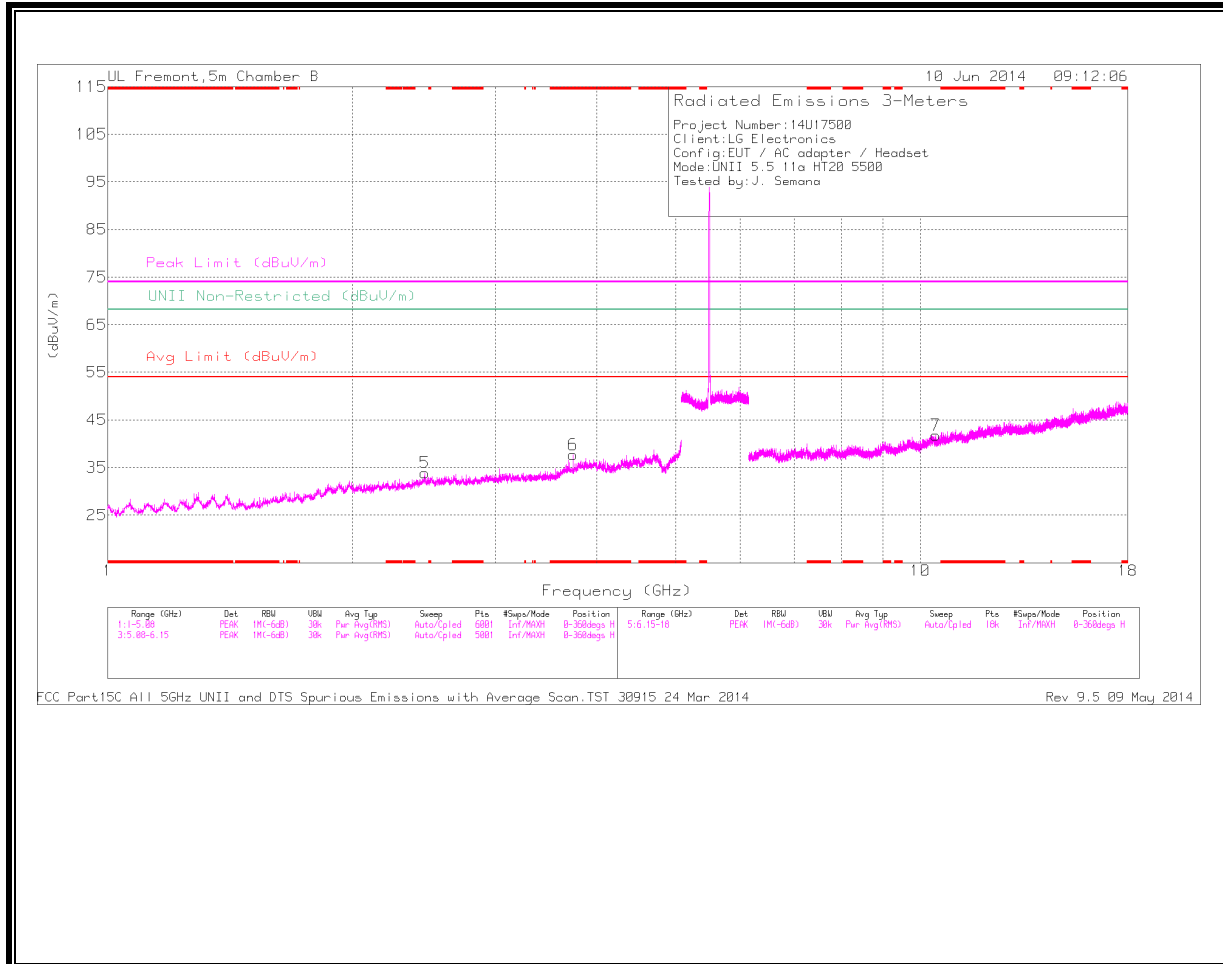


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.12	PK	34.2	-17.6	0	55.72	68.2	-12.48	307	374	V
2	5.811	40.43	PK	34.3	-17.4	0	57.33	68.2	-10.87	307	374	V

PK - Peak detector

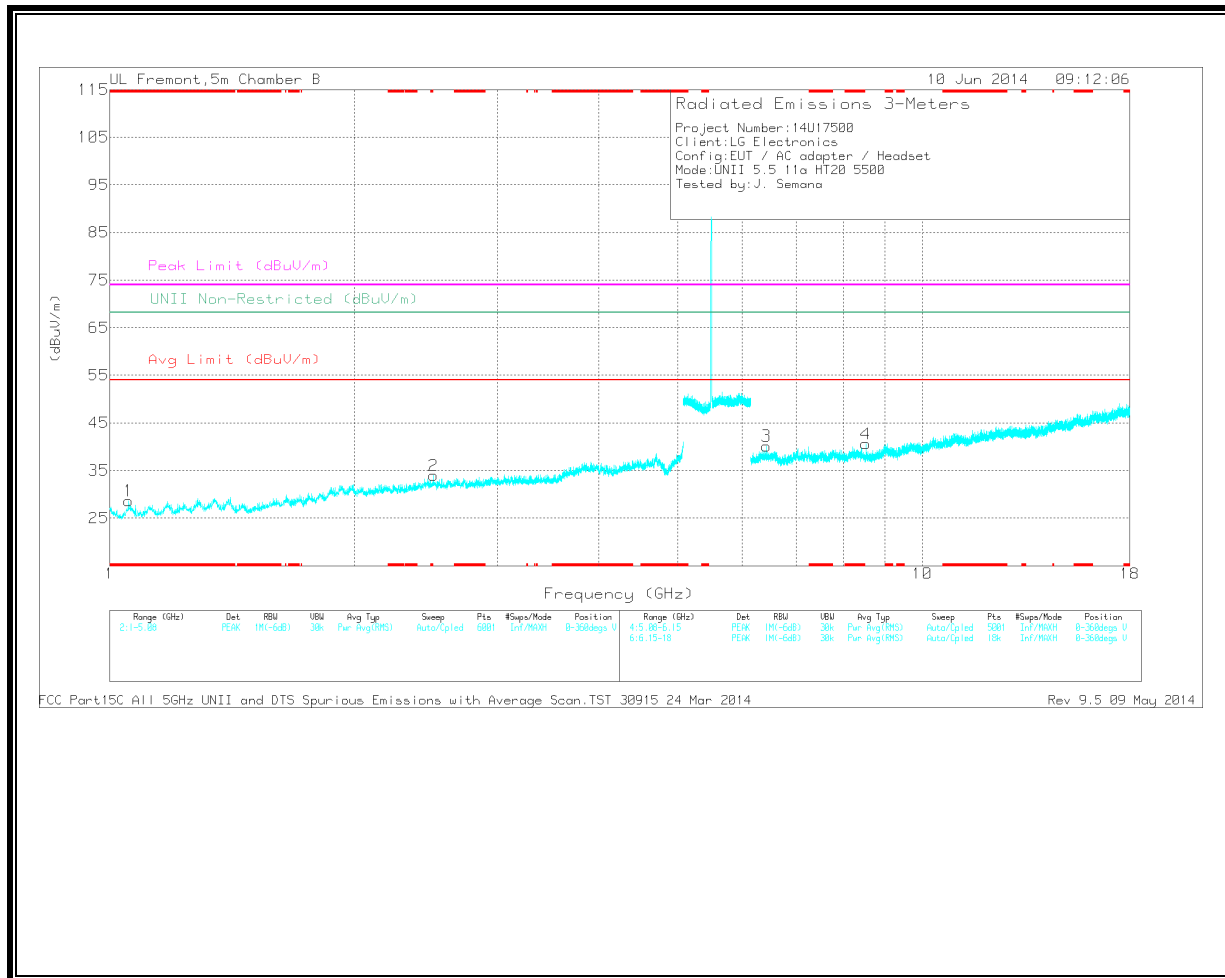
HARMONICS AND SPURIOUS EMISSIONS

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.

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/Ftr/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
6	* 3.739	35.52	PK	33.5	-31.3	0	37.72	-	-	74	-36.28	-	-	0-360	201	H
1	* 1.056	35.83	PK	27.2	-34.4	0	28.63	-	-	74	-45.37	-	-	0-360	201	V
5	2.455	34	PK	32.3	-32.4	0	33.9	-	-	-	-	68.2	-34.3	0-360	102	H
2	2.503	33.96	PK	32.4	-32.4	0	33.96	-	-	-	-	68.2	-34.24	0-360	201	V
3	6.428	33.55	PK	35.6	-29	0	40.15	-	-	-	-	68.2	-28.05	0-360	101	V
4	8.52	30.99	PK	35.8	-26.2	0	40.59	-	-	-	-	68.2	-27.61	0-360	201	V
7	10.451	27.71	PK	37.4	-23.3	0	41.81	-	-	-	-	68.2	-26.39	0-360	200	H

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

PK - Peak detector

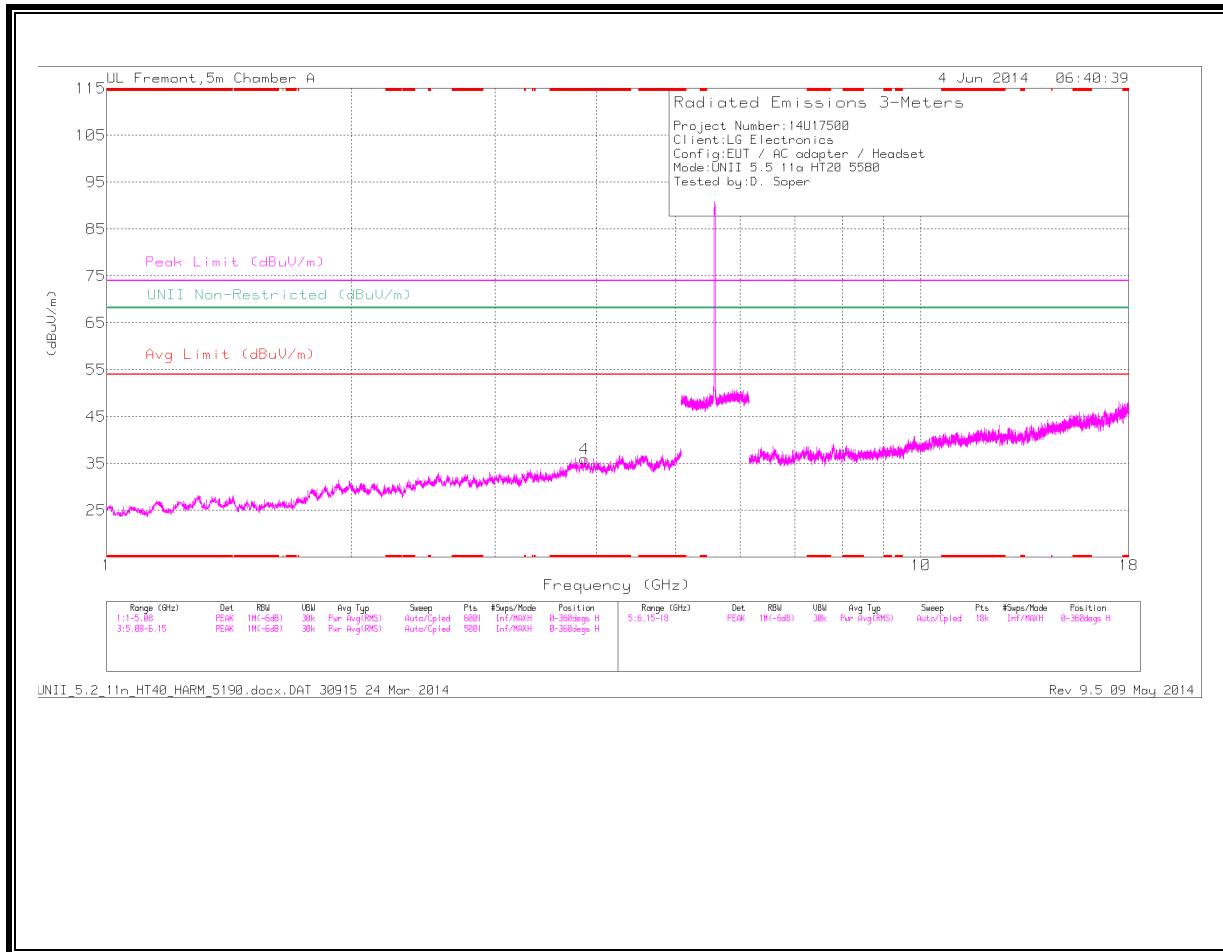
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/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
* 3.74	42.11	PK1	33.5	-31.3	0	44.31	-	-	74	-29.69	-	-	359	202	H
* 3.739	29.92	AD1	33.5	-31.3	.2	32.32	54	-21.68	-	-	-	-	359	202	H

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

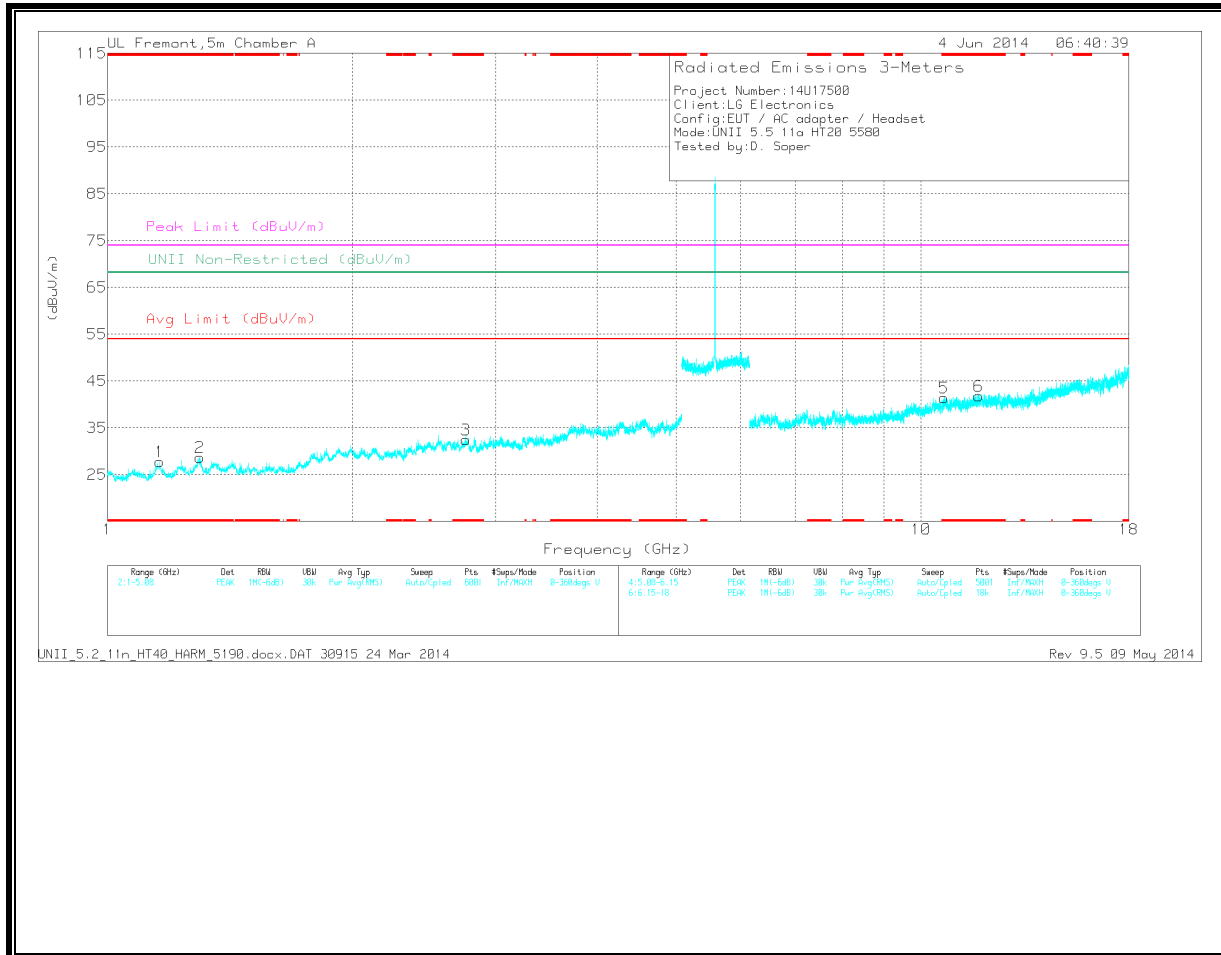
PK1 - KDB789033 Method: Peak

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.

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/Filtr/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
4	* 3.863	33.1	PK	33.7	-30.8	0	36	-	-	74	-38	-	-	0-360	100	H
1	* 1.16	35.67	PK	28.9	-36.8	0	27.77	-	-	74	-46.23	-	-	0-360	100	V
2	* 1.299	35.2	PK	30.2	-36.7	0	28.7	-	-	74	-45.3	-	-	0-360	200	V
3	* 2.758	31.79	PK	32.7	-32	0	32.49	-	-	74	-41.51	-	-	0-360	200	V
5	* 10.671	25.68	PK	37.8	-22.1	0	41.38	-	-	74	-32.62	-	-	0-360	100	V
6	* 11.767	25.67	PK	38.7	-22.6	0	41.77	-	-	74	-32.23	-	-	0-360	201	V

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

PK - Peak detector

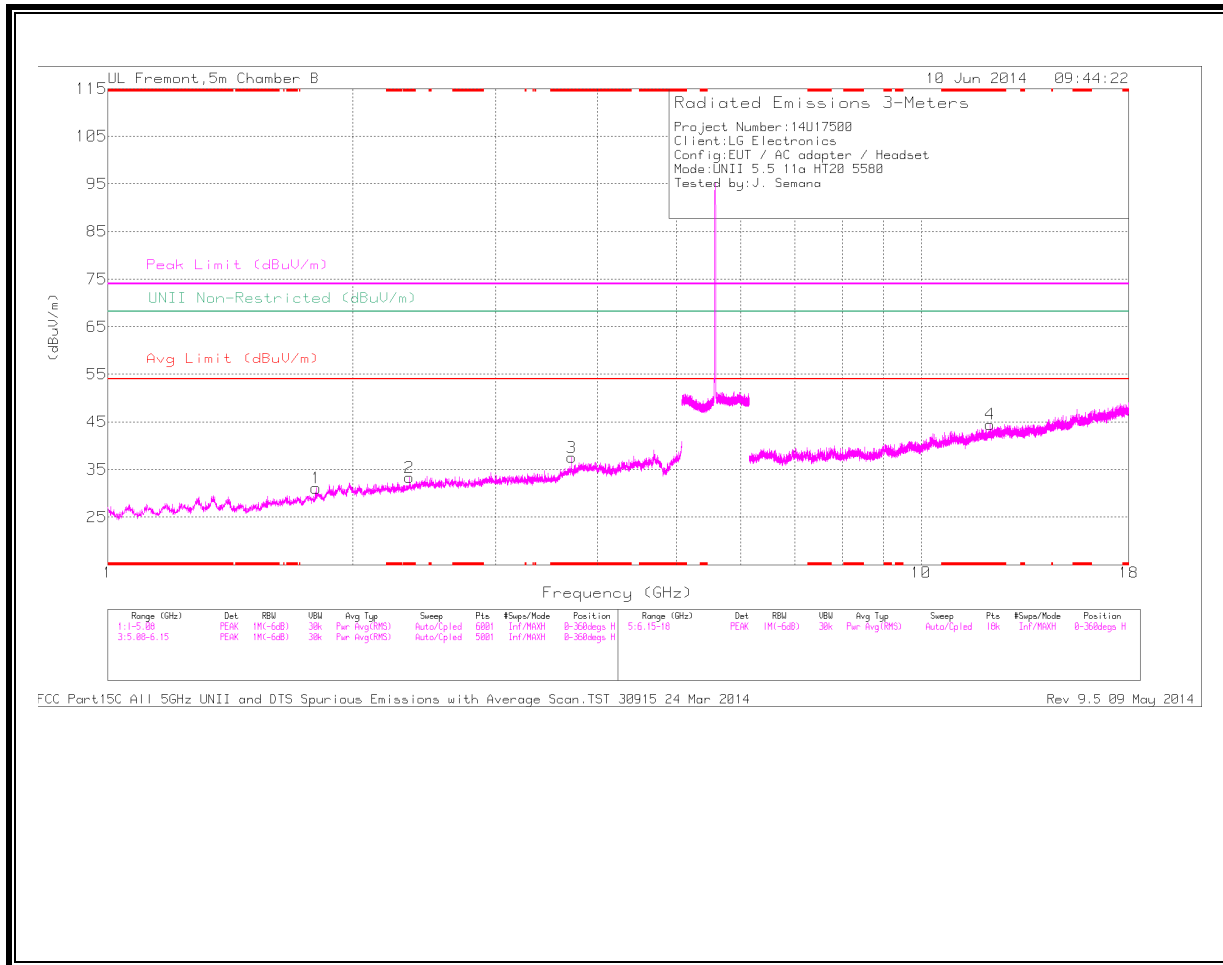
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/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
* 10.669	33.24	PK1	37.8	-21.9	0	49.14	-	-	74	-24.86	-	-	359	100	V
* 10.672	22.65	AD1	37.8	-22.2	.2	38.45	54	-15.55	-	-	-	-	359	100	V

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

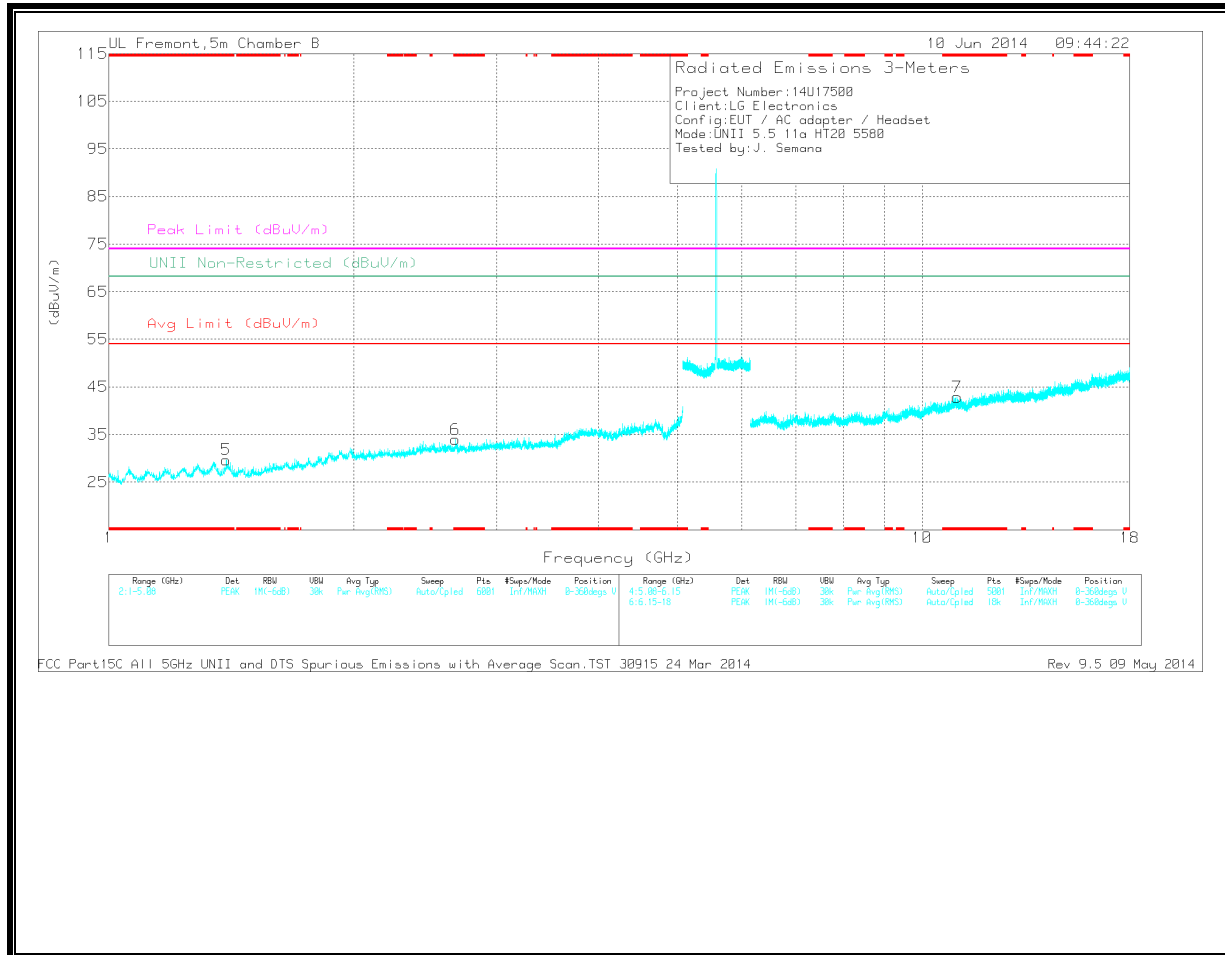
PK1 - KDB789033 Method: Peak

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.

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/Filtr/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	* 2.348	34.5	PK	31.9	-33.1	0	33.3	-	-	74	-40.7	-	-	0-360	101	H
3	* 3.72	35.32	PK	33.4	-31.2	0	37.52	-	-	74	-36.48	-	-	0-360	201	H
5	* 1.395	35.09	PK	28.5	-33.9	0	29.69	-	-	74	-44.31	-	-	0-360	201	V
6	* 2.667	33.57	PK	32.3	-31.9	0	33.97	-	-	74	-40.03	-	-	0-360	100	V
4	* 12.161	27.01	PK	38.9	-21.4	0	44.51	-	-	74	-29.49	-	-	0-360	200	H
7	* 11.046	27.47	PK	37.8	-22.4	0	42.87	-	-	74	-31.13	-	-	0-360	201	V
1	1.804	34.92	PK	30.2	-34	0	31.12	-	-	-	-	68.2	-37.08	0-360	201	H

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

PK - Peak detector

Radiated Emissions

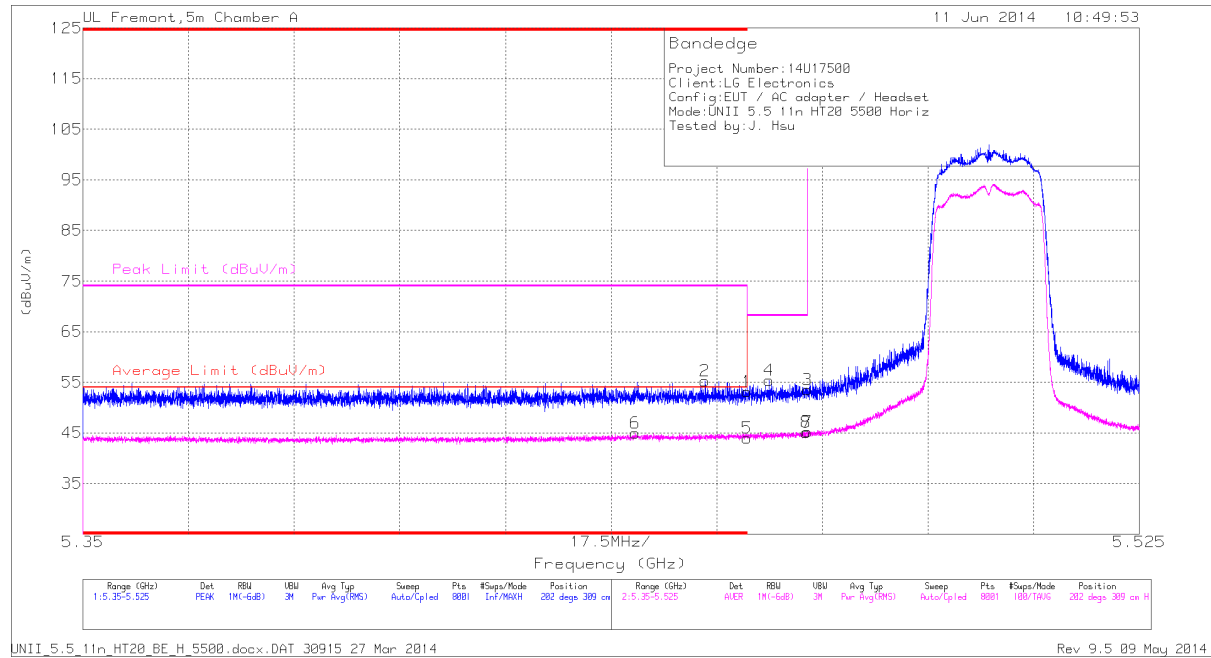
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.72	41.72	PK1	33.4	-31.2	0	43.92	-	-	74	-30.08	-	-	359	202	H
* 3.72	32.27	AD1	33.4	-31.2	.2	34.67	54	-19.33	-	-	-	-	359	202	H

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

PK1 - KDB789033 Method: Peak

10.3.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL



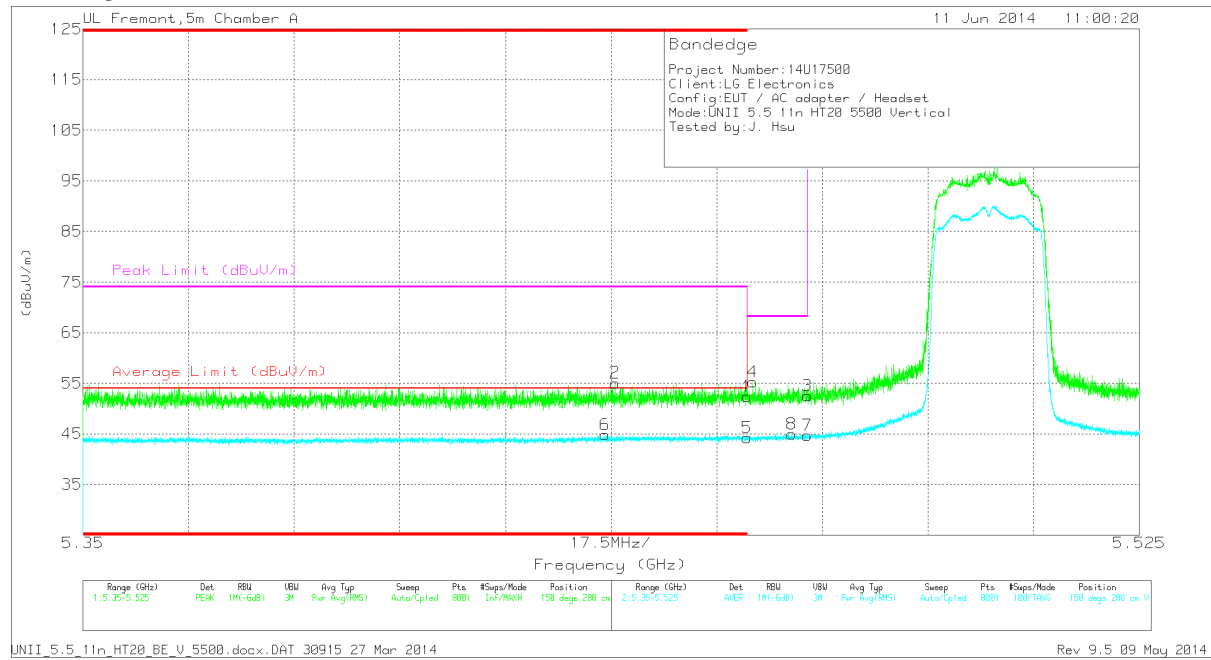
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.78	PK	34.5	-20.1	0	53.18	-	-	74	-20.82	202	309	H
2	* 5.453	40.86	PK	34.5	-20.1	0	55.26	-	-	74	-18.74	202	309	H
5	* 5.46	29.36	RMS	34.5	-20.1	.2	43.96	54	-10.04	-	-	202	309	H
6	* 5.442	30.21	RMS	34.5	-20	.2	44.91	54	-9.09	-	-	202	309	H
4	5.464	40.94	PK	34.5	-20.1	0	55.34	-	-	68.2	-12.86	202	309	H
3	5.47	38.97	PK	34.5	-20	0	53.47	-	-	68.2	-14.73	202	309	H
7	5.47	30.45	RMS	34.5	-20	.2	45.15	-	-	-	-	202	309	H
8	5.47	30.4	RMS	34.5	-20	.2	45.1	-	-	-	-	202	309	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 T345 (dB/m)	Amp/Cbl/Fit 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	* 5.46	37.95	PK	34.5	-20.1	0	52.35	-	-	74	-21.65	150	288	V
2	* 5.438	40.57	PK	34.5	-20	0	55.07	-	-	74	-18.93	150	288	V
5	* 5.46	29.61	RMS	34.5	-20.1	.2	44.21	54	-9.79	-	-	150	288	V
6	* 5.436	30.21	RMS	34.5	-20.1	.2	44.81	54	-9.19	-	-	150	288	V
4	5.461	40.81	PK	34.5	-20.1	0	55.21	-	-	68.2	-12.99	150	288	V
8	5.467	30.4	RMS	34.5	-20.1	.2	45	-	-	-	-	150	288	V
3	5.47	38.08	PK	34.5	-20	0	52.58	-	-	68.2	-15.62	150	288	V
7	5.47	30.05	RMS	34.5	-20	.2	44.75	-	-	-	-	150	288	V

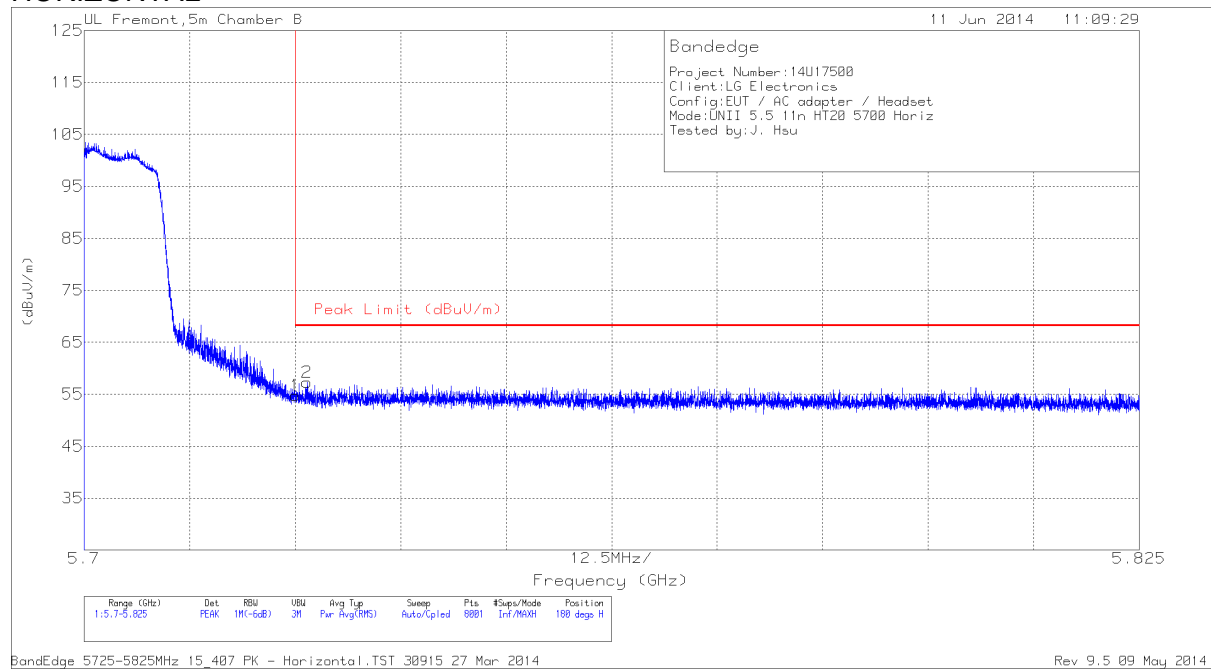
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

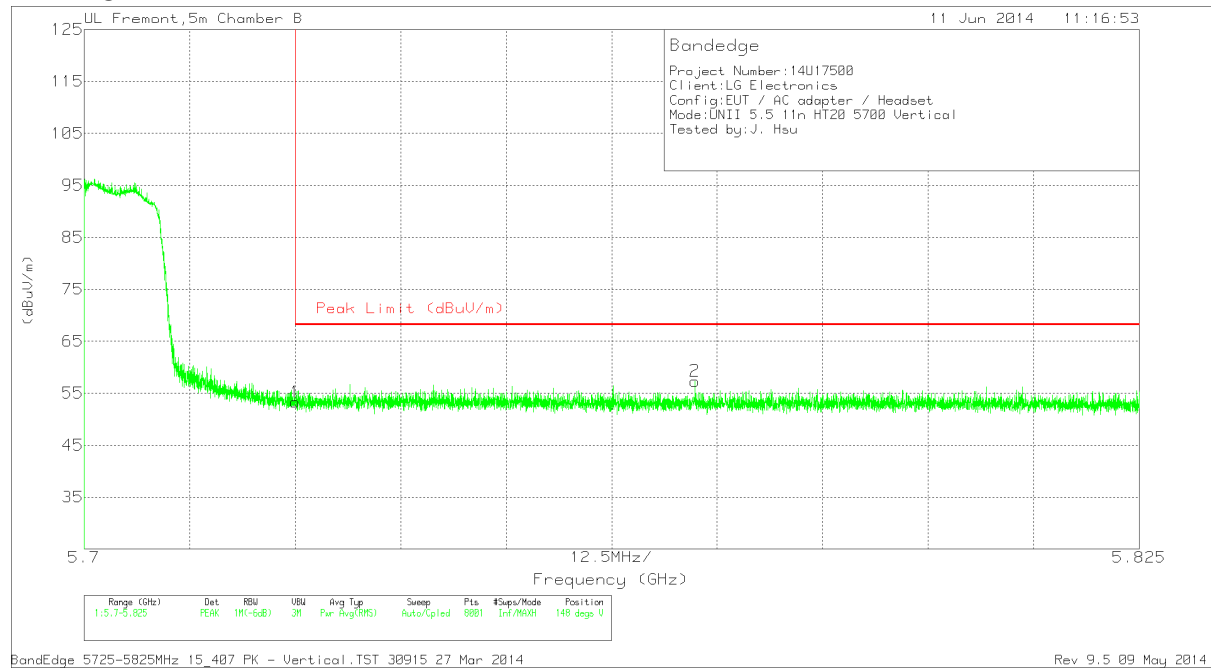
HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.04	PK	34.6	-19.9	0	54.74	68.2	-13.46	180	289	H
2	5.726	42.58	PK	34.6	-19.9	0	57.28	68.2	-10.92	180	289	H

PK - Peak detector

VERTICAL

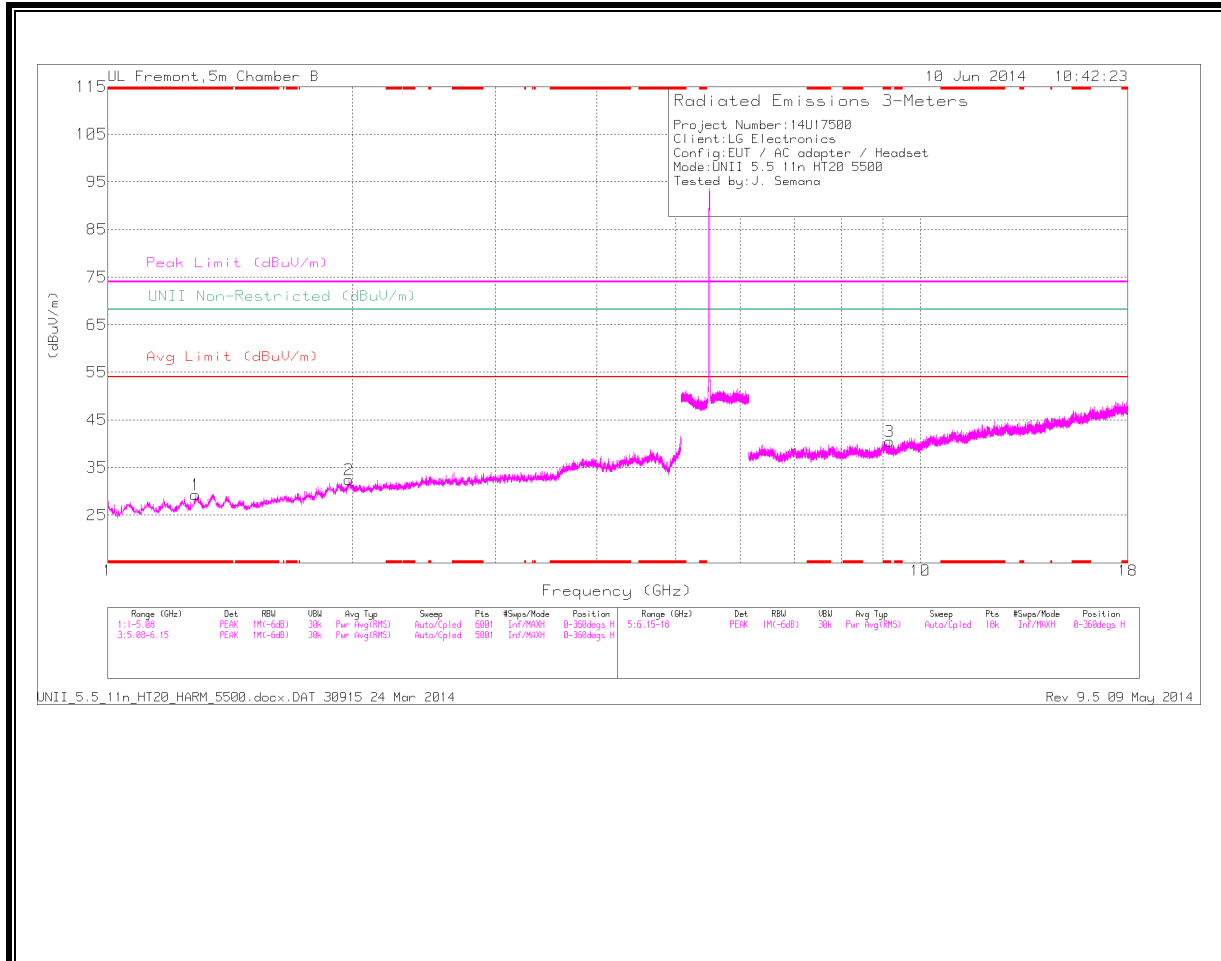


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.61	PK	34.6	-19.9	0	53.31	68.2	-14.89	148	273	V
2	5.772	42.54	PK	34.6	-19.8	0	57.34	68.2	-10.86	148	273	V

PK - Peak detector

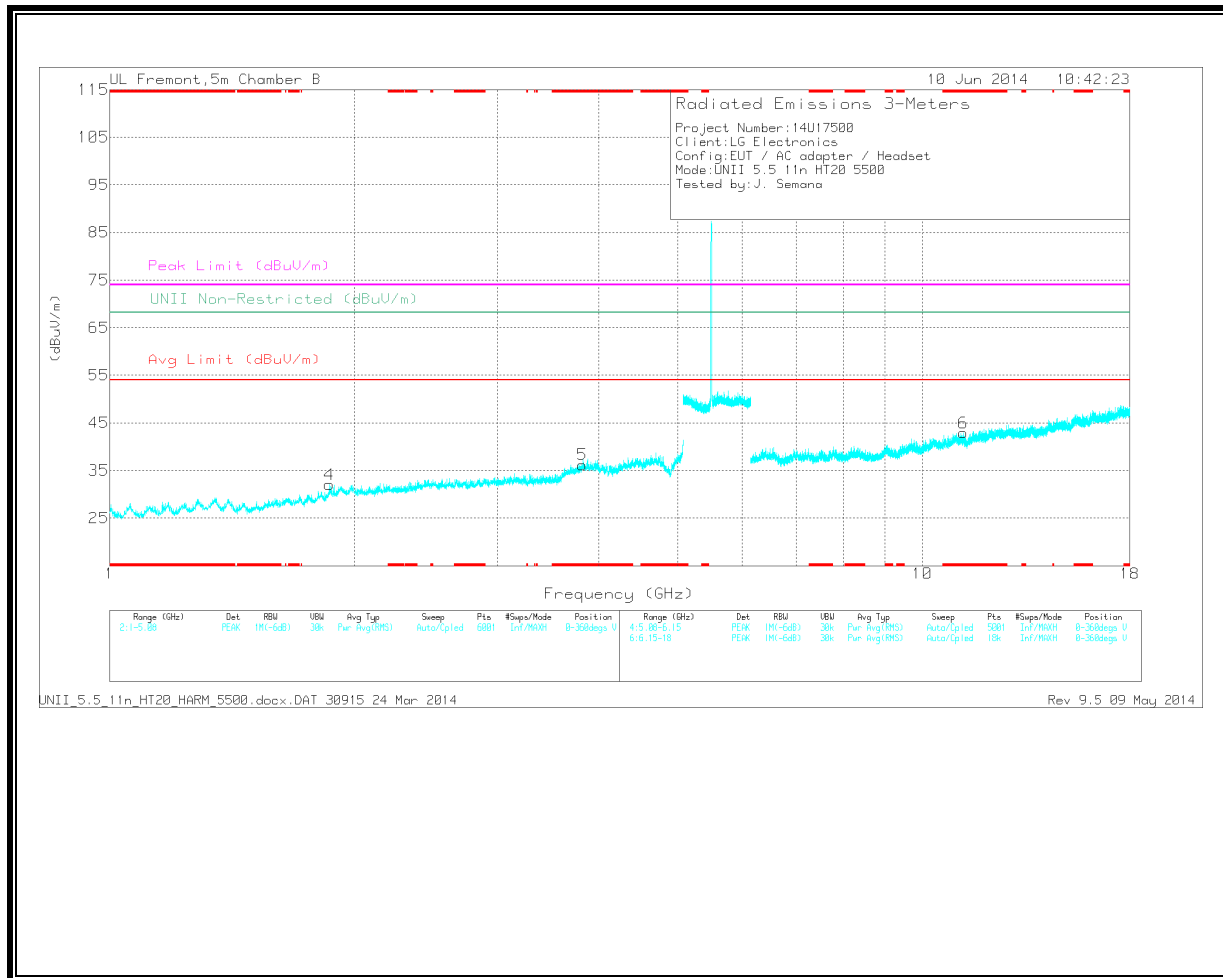
HARMONICS AND SPURIOUS EMISSIONS

**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.

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/Filtr/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	* 1.283	34.96	PK	28.7	-34.4	0	29.26	-	-	74	-44.74	-	-	0-360	101	H
5	* 3.818	33.6	PK	33.7	-31.1	0	36.2	-	-	74	-37.8	-	-	0-360	100	V
3	* 9.17	28.8	PK	36.3	-24.6	0	40.5	-	-	74	-33.5	-	-	0-360	201	H
6	* 11.225	26.69	PK	37.9	-21.7	0	42.89	-	-	74	-31.11	-	-	0-360	201	V
4	1.864	34.74	PK	30.7	-33.4	0	32.04	-	-	-	-	68.2	-36.16	0-360	201	V
2	1.981	34.05	PK	31.3	-32.9	0	32.45	-	-	-	-	68.2	-35.75	0-360	101	H

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

PK - Peak detector

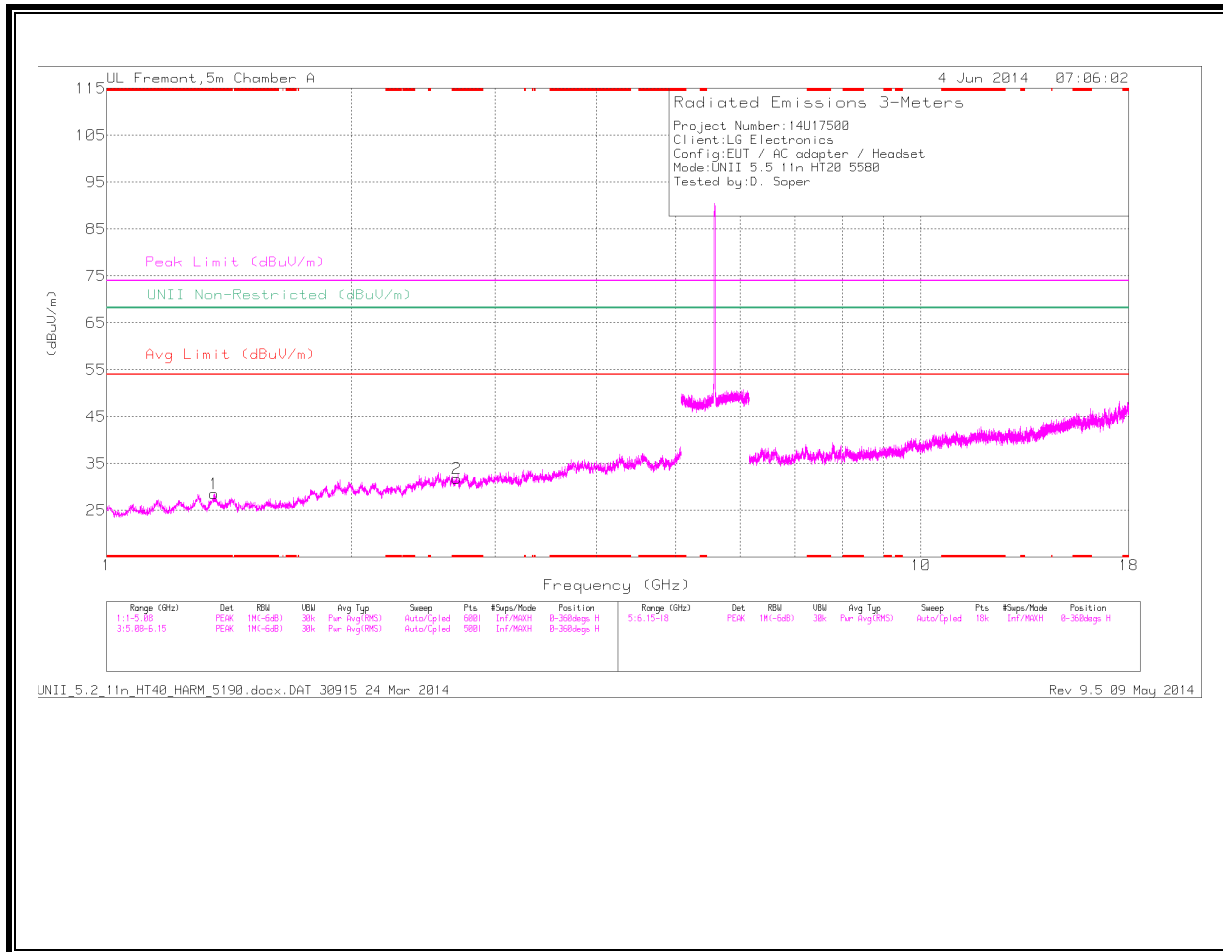
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/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
* 1.285	43.18	PK1	28.8	-34.4	0	37.58	-	-	74	-36.42	-	-	360	101	H
* 1.285	31.8	AD1	28.8	-34.4	.2	26.4	54	-27.6	-	-	-	-	360	101	H

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

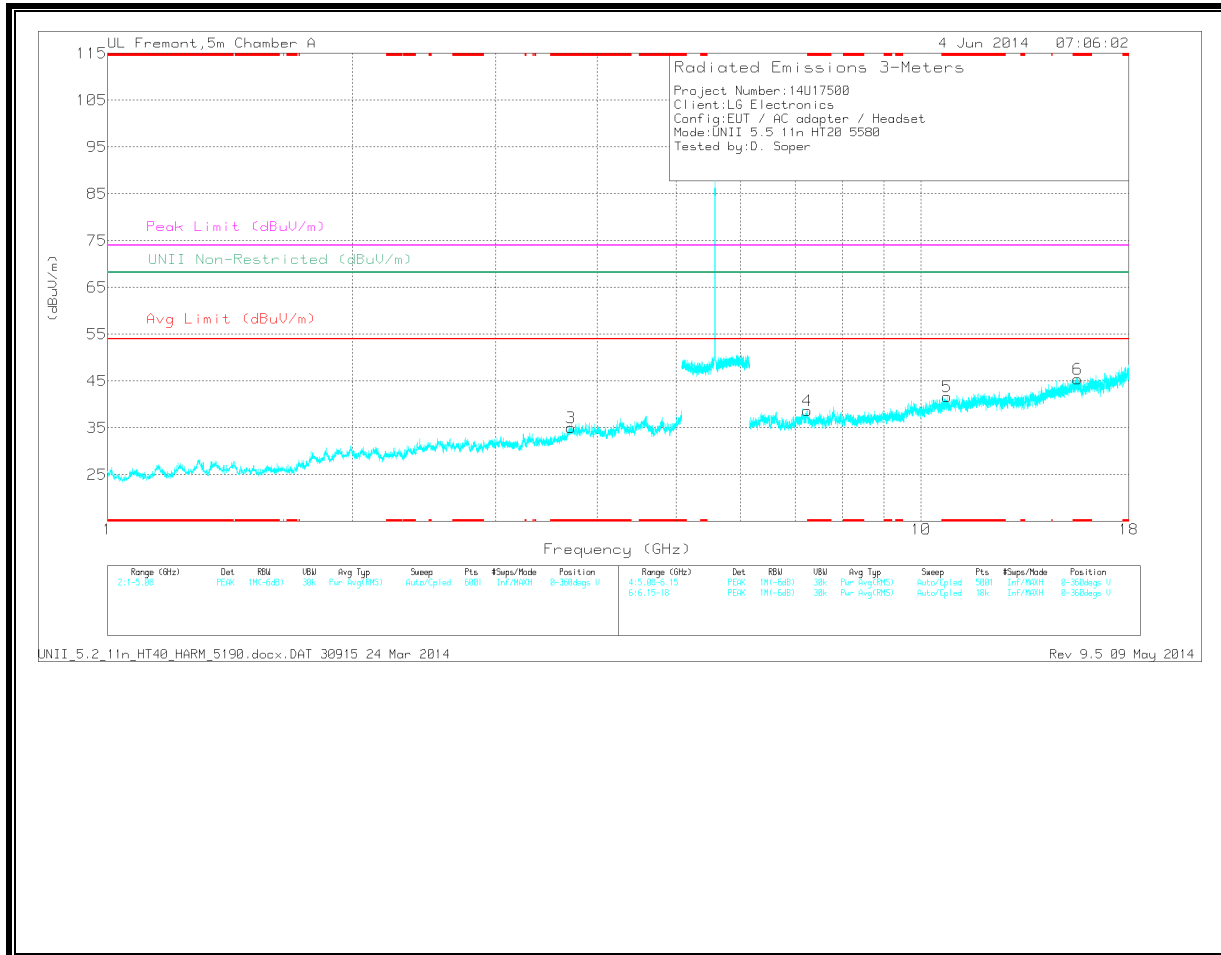
PK1 - KDB789033 Method: Peak

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.

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/Filtr/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	* 1.355	35.32	PK	30	-36.8	0	28.52	-	-	74	-45.48	-	-	0-360	100	H
2	* 2.693	32.28	PK	32.7	-33.2	0	31.78	-	-	74	-42.22	-	-	0-360	200	H
3	* 3.713	31.89	PK	33.4	-30.2	0	35.09	-	-	74	-38.91	-	-	0-360	100	V
5	* 10.762	26.47	PK	37.9	-22.7	0	41.67	-	-	74	-32.33	-	-	0-360	200	V
6	* 15.571	26.07	PK	40.5	-21.1	0	45.47	-	-	74	-28.53	-	-	0-360	100	V
4	7.242	28.65	PK	35.2	-25.2	0	38.65	-	-	-	-	68.2	-29.55	0-360	100	V

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

PK - Peak detector

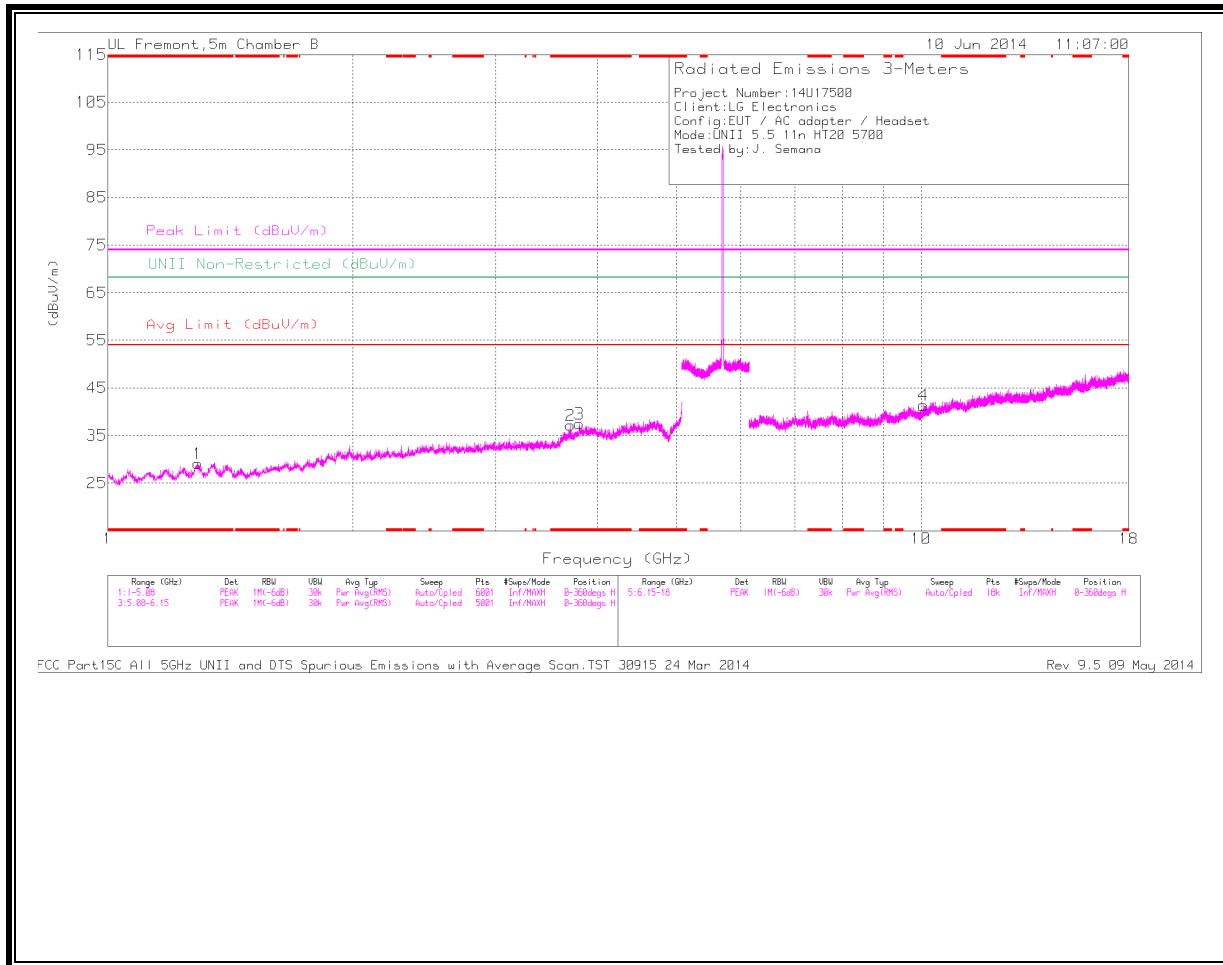
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/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
* 1.356	43.73	PK1	30	-36.8	0	36.93	-	-	74	-37.07	-	-	360	100	H
* 1.355	31.98	AD1	30	-36.8	.2	25.38	54	-28.62	-	-	-	-	360	100	H

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

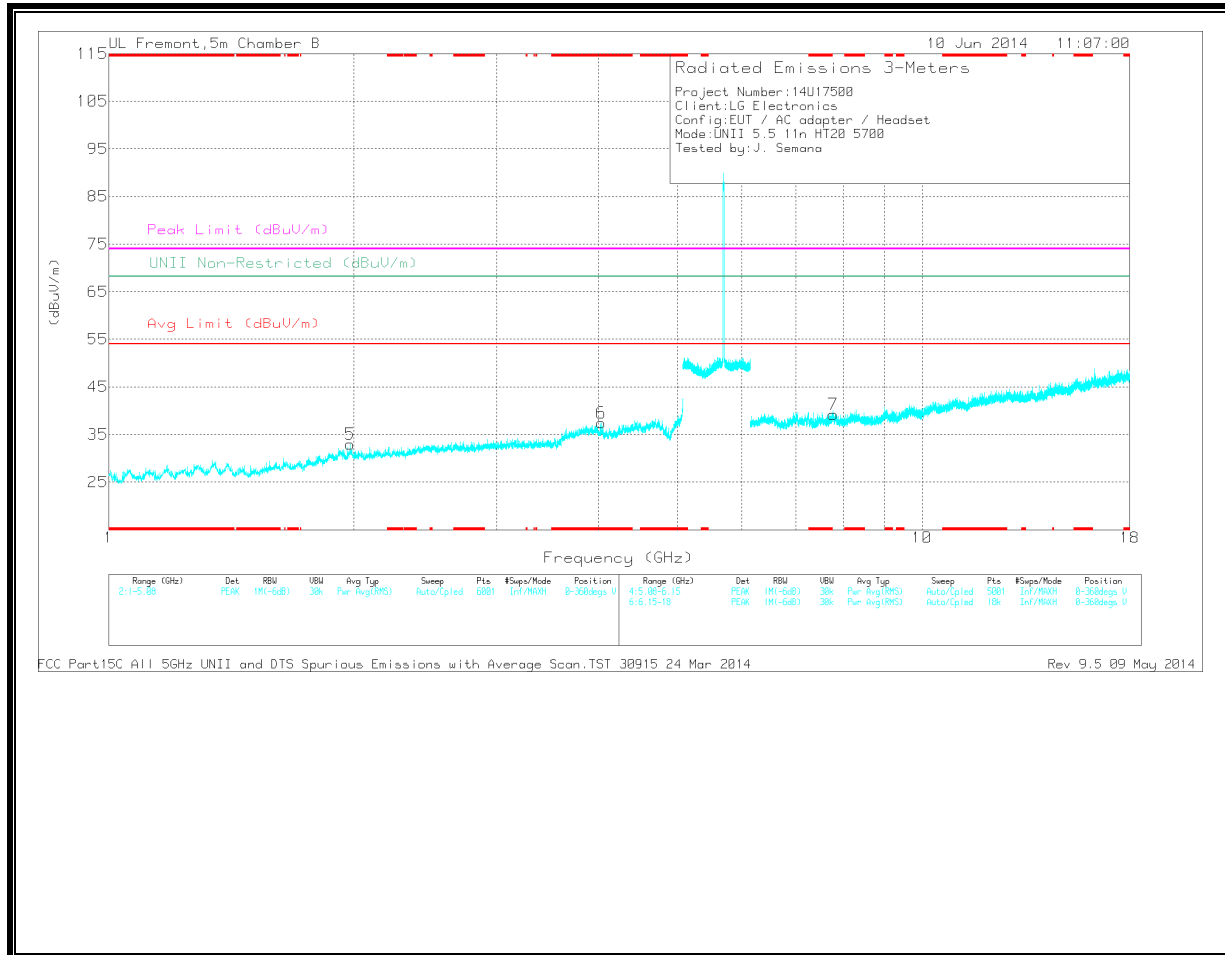
PK1 - KDB789033 Method: Peak

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.

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/Filtr/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	* 1.29	34.73	PK	28.8	-34.4	0	29.13	-	-	74	-44.87	-	-	0-360	101	H
2	* 3.708	35.15	PK	33.4	-31.4	0	37.15	-	-	74	-36.85	-	-	0-360	200	H
3	* 3.8	34.84	PK	33.6	-31	0	37.44	-	-	74	-36.56	-	-	0-360	200	H
6	* 4.034	33.36	PK	33.6	-29.5	0	37.46	-	-	74	-36.54	-	-	0-360	101	V
5	1.981	34.6	PK	31.3	-32.9	0	33	-	-	-	-	68.2	-35.2	0-360	101	V
7	7.776	29.74	PK	35.7	-26.2	0	39.24	-	-	-	-	68.2	-28.96	0-360	100	V
4	10.066	27.23	PK	37.1	-23	0	41.33	-	-	-	-	68.2	-26.87	0-360	100	H

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

PK - Peak detector

Radiated Emissions

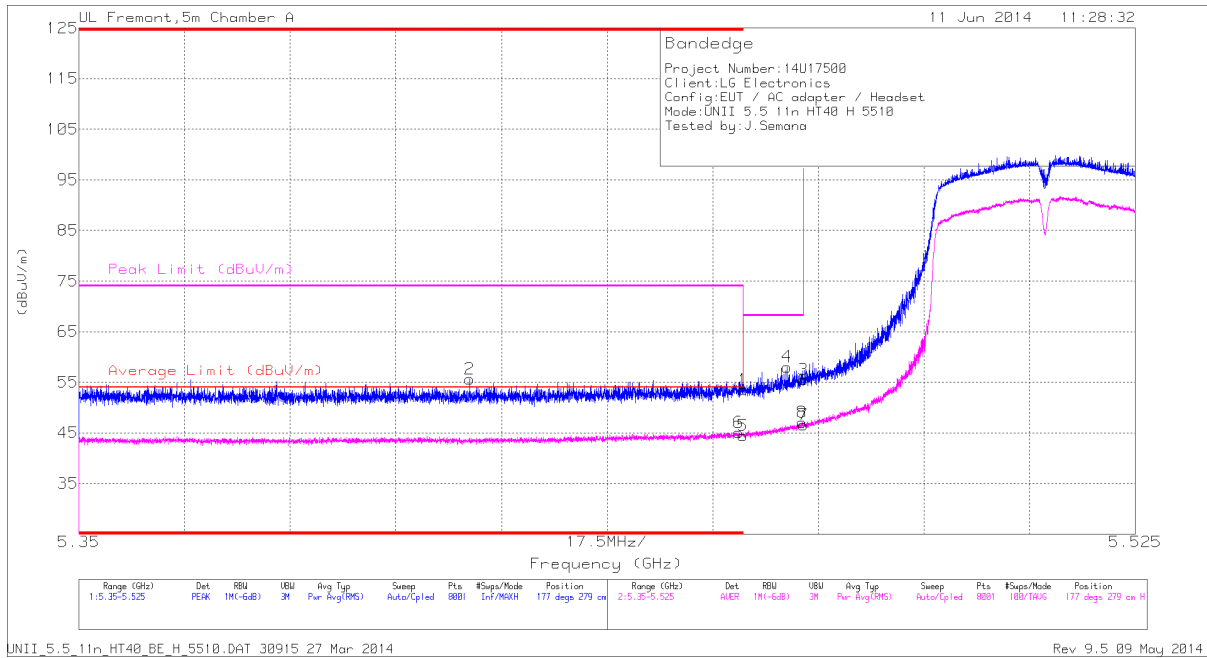
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.707	42.31	PK1	33.4	-31.4	0	44.31	-	-	74	-29.69	-	-	359	201	H
* 3.708	30.53	AD1	33.4	-31.4	.2	32.73	54	-21.27	-	-	-	-	359	201	H

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

PK1 - KDB789033 Method: Peak

10.3.5. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL



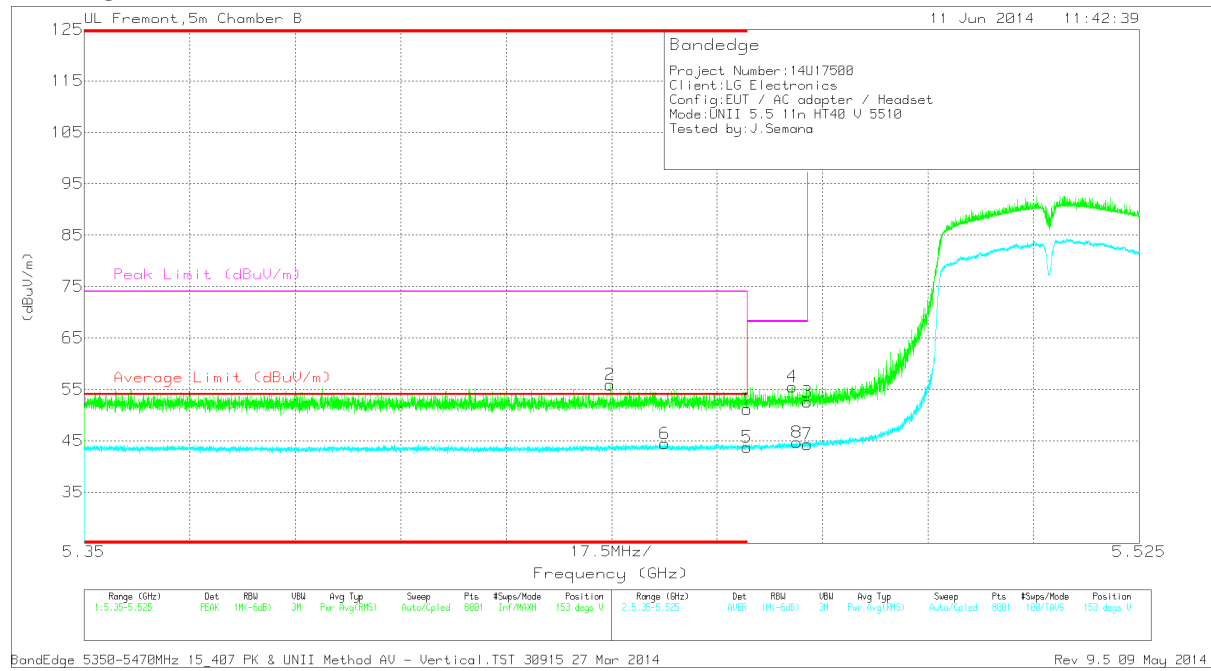
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	39.08	PK	34.5	-20.1	0	53.48	-	-	74	-20.52	177	279	H
2	* 5.415	41.23	PK	34.5	-20.1	0	55.63	-	-	74	-18.37	177	279	H
5	* 5.46	30.11	RMS	34.5	-20.1	0.5	44.51	54	-9.49	-	-	177	279	H
6	* 5.459	30.67	RMS	34.5	-20.1	0.5	45.07	54	-8.93	-	-	177	279	H
4	5.467	43.65	PK	34.5	-20.1	0	58.05	-	-	68.2	-10.15	177	279	H
3	5.47	40.96	PK	34.5	-20	0	55.46	-	-	68.2	-12.74	177	279	H
7	5.47	32.05	RMS	34.5	-20	0.5	46.55	-	-	-	-	177	279	H
8	5.47	32.58	RMS	34.5	-20	0.5	47.08	-	-	-	-	177	279	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 T345 (dB/m)	Amp/Cb/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	* 5.46	36.73	PK	34.5	-20.1	0	51.13	-	-	74	-22.87	153	311	V
2	* 5.437	41.51	PK	34.5	-20.1	0	55.91	-	-	74	-18.09	153	311	V
5	* 5.46	29.35	RMS	34.5	-20.1	0.5	44.25	54	-9.75	-	-	153	311	V
6	* 5.446	30.06	RMS	34.5	-20.1	0.5	44.96	54	-9.04	-	-	153	311	V
4	5.467	41.1	PK	34.5	-20.1	0	55.5	-	-	68.2	-12.7	153	311	V
8	5.468	30.18	RMS	34.5	-20	0.5	44.68	-	-	-	-	153	311	V
3	5.47	38.01	PK	34.5	-20	0	52.51	-	-	68.2	-15.69	153	311	V
7	5.47	29.8	RMS	34.5	-20	0.5	44.3	-	-	-	-	153	311	V

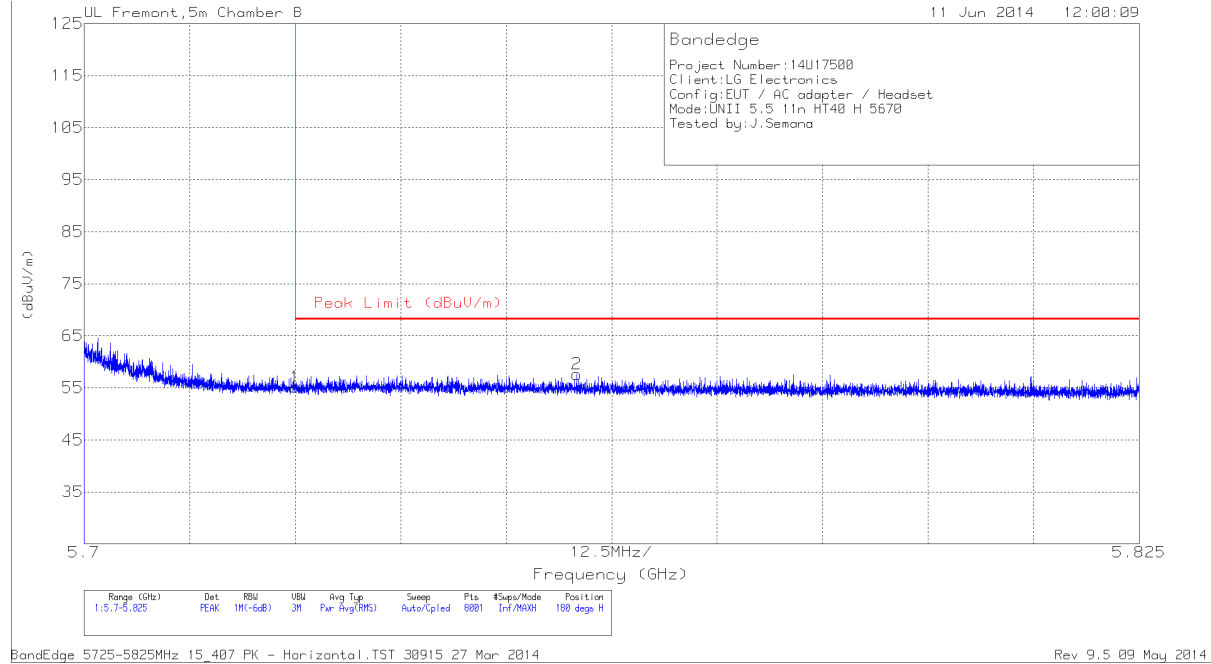
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEGE (HIGH CHANNEL)

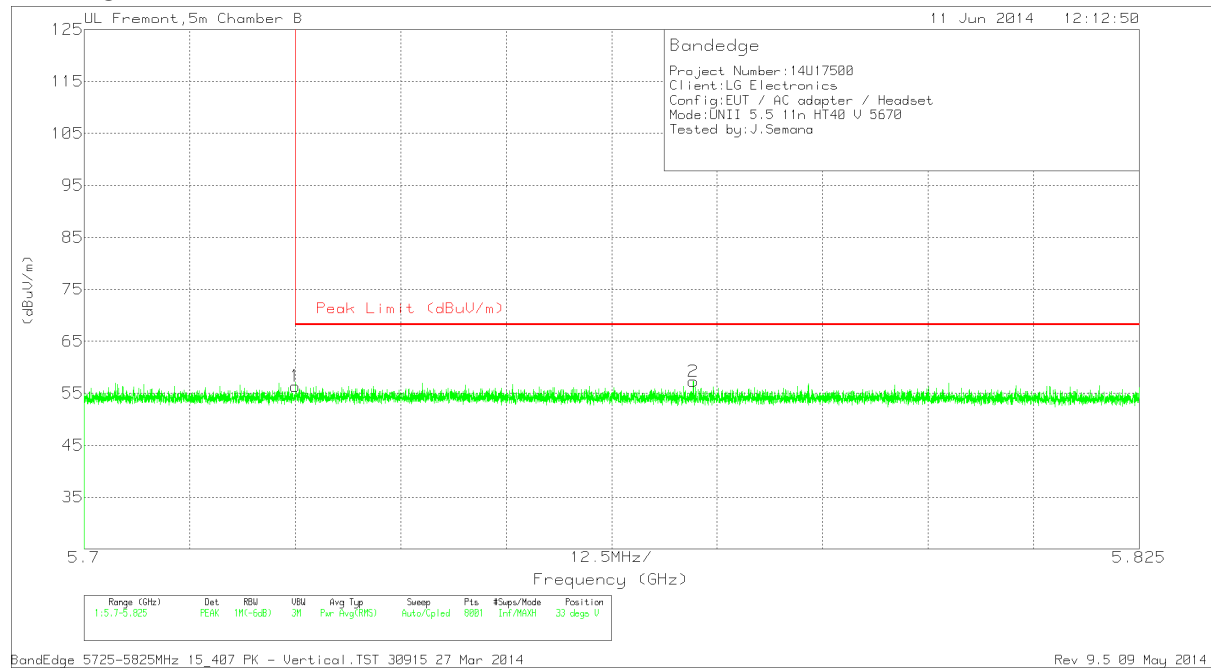
HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.42	PK	34.6	-19.9	0	55.12	68.2	-13.08	180	286	H
2	5.758	42.91	PK	34.6	-19.9	0	57.61	68.2	-10.59	180	286	H

PK - Peak detector

VERTICAL

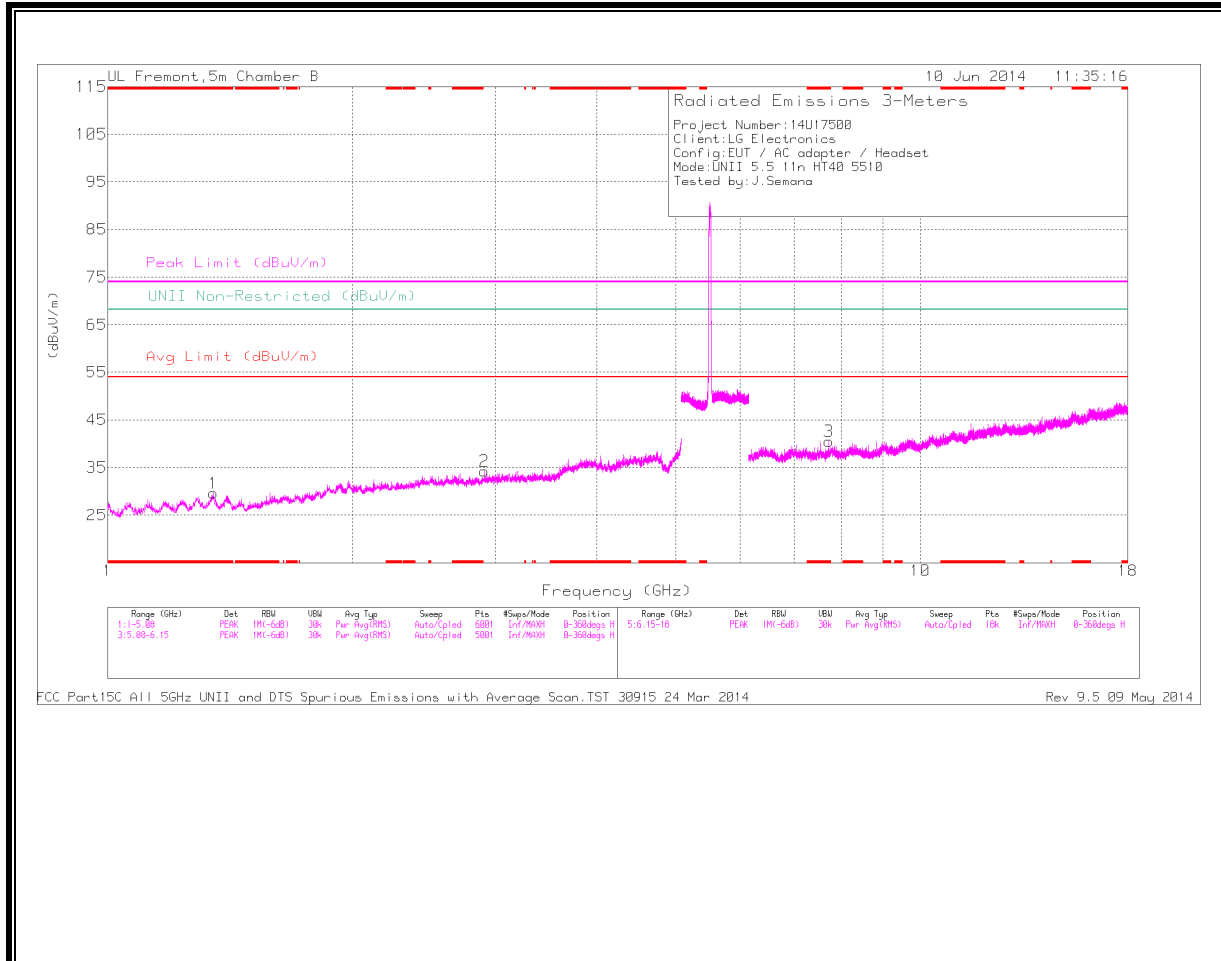


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.68	PK	34.6	-19.9	0	56.38	68.2	-11.82	33	129	V
2	5.772	42.5	PK	34.6	-19.8	0	57.3	68.2	-10.9	33	129	V

PK - Peak detector

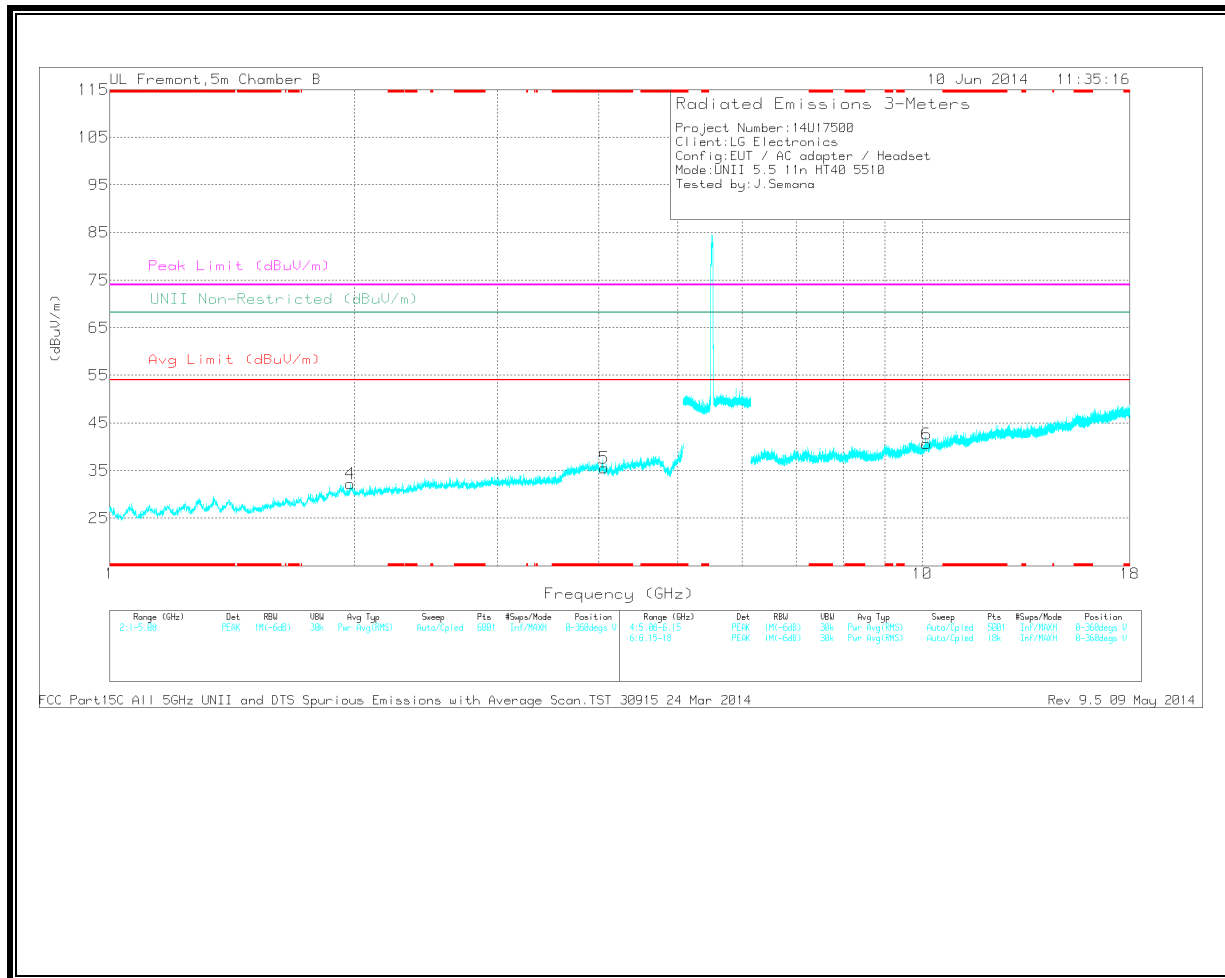
HARMONICS AND SPURIOUS EMISSIONS

**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.

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/Fitr/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	* 1.35	34.71	PK	28.7	-33.8	0	29.61	-	-	74	-44.39	-	-	0-360	201	H
5	* 4.058	31.85	PK	33.6	-29.9	0	35.55	-	-	74	-38.45	-	-	0-360	101	V
3	* 7.713	32.21	PK	35.7	-27.4	0	40.51	-	-	74	-33.49	-	-	0-360	201	H
4	1.977	33.73	PK	31.3	-32.8	0	32.23	-	-	-	-	68.2	-35.97	0-360	201	V
2	2.906	33.75	PK	32.6	-32.1	0	34.25	-	-	-	-	68.2	-33.95	0-360	201	H
6	10.12	26.88	PK	37.1	-23.4	0	40.58	-	-	-	-	68.2	-27.62	0-360	101	V

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

PK - Peak detector

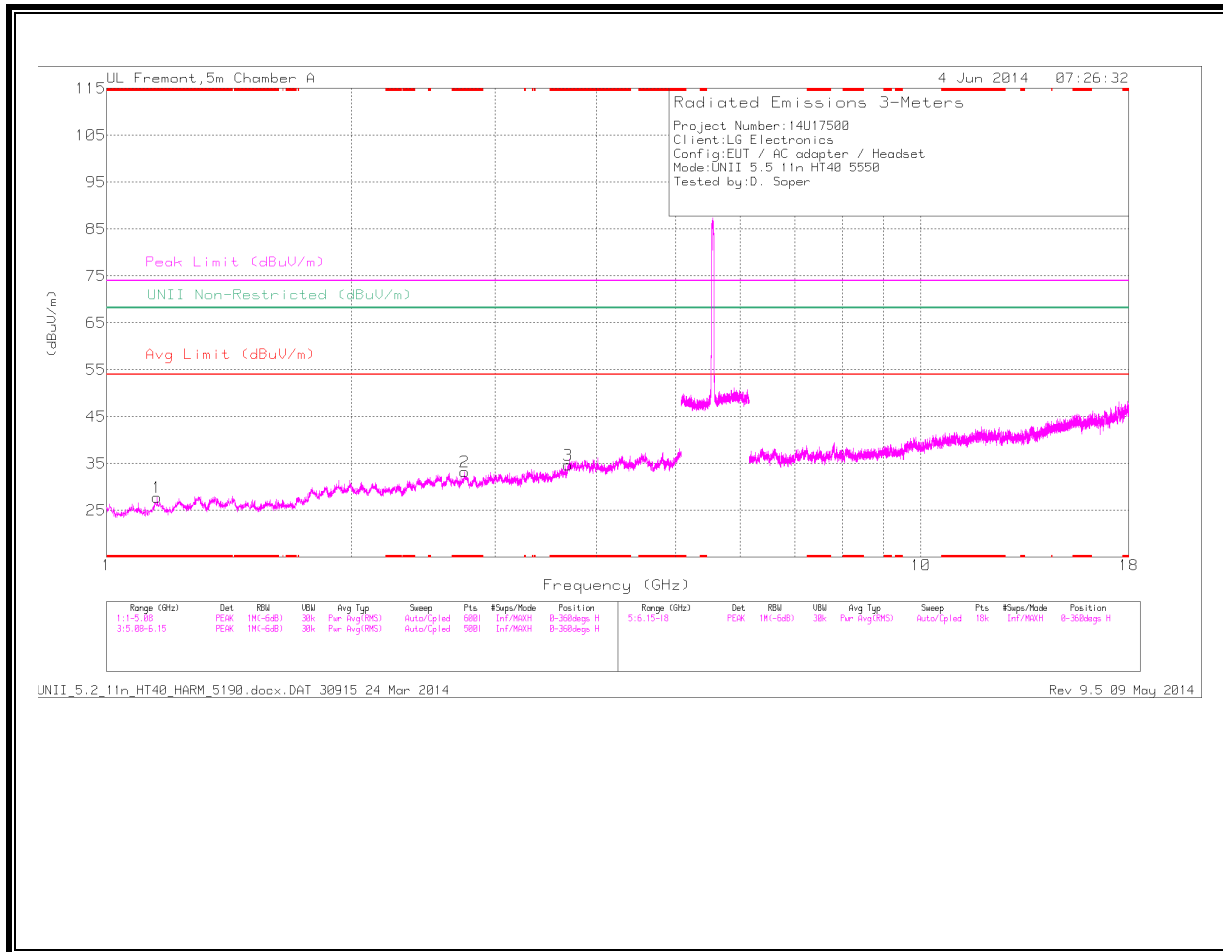
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fitr/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
* 1.35	43.37	PK1	28.7	-33.8	0	38.27	-	-	74	-35.73	-	-	360	202	H
* 1.349	31.53	AD1	28.7	-33.8	.5	26.93	54	-27.07	-	-	-	-	360	202	H

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

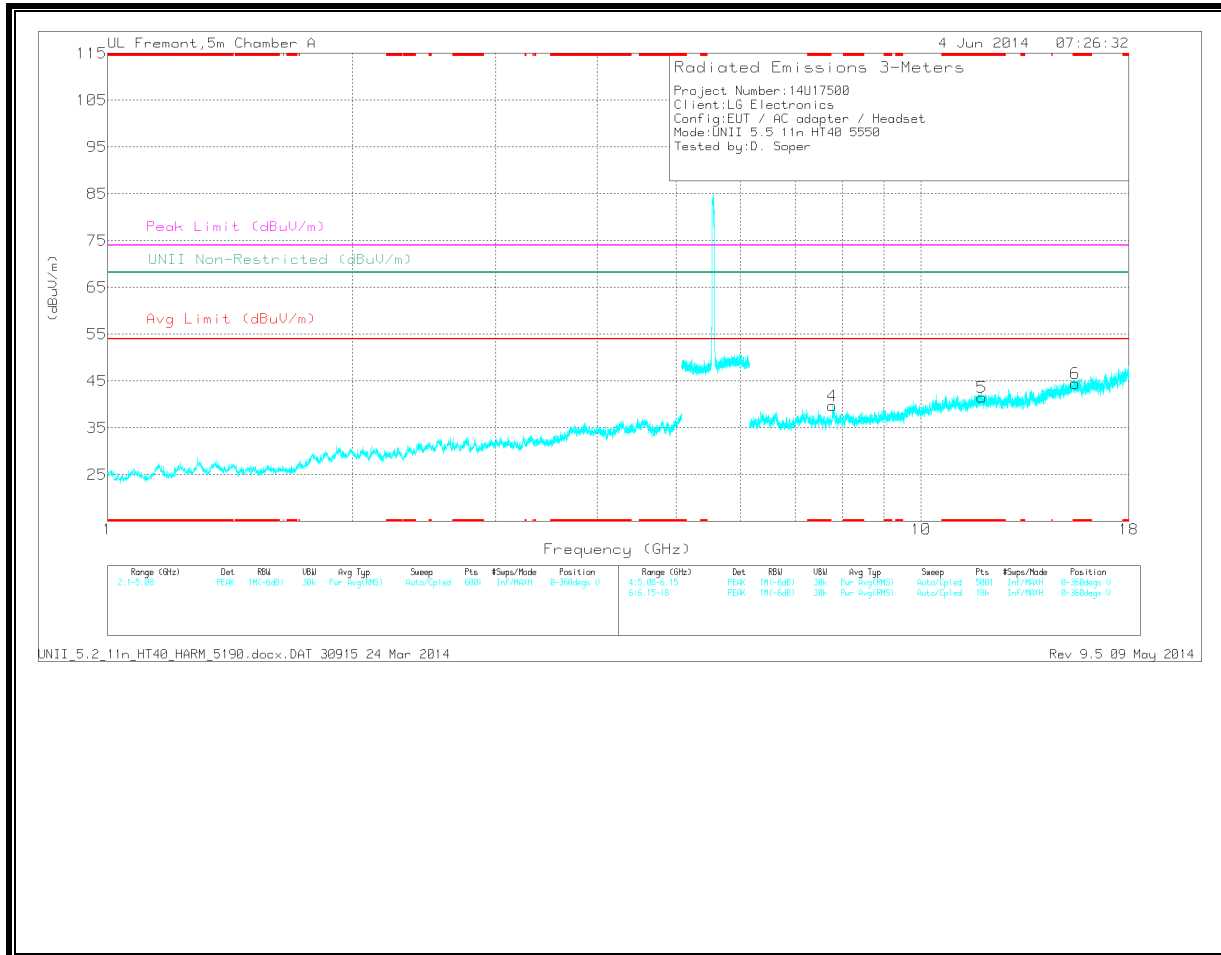
PK1 - KDB789033 Method: Peak

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.

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/Filtr/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	* 1.154	35.53	PK	28.9	-36.6	0	27.83	-	-	74	-46.17	-	-	0-360	100	H
2	* 2.752	32.27	PK	32.7	-31.7	0	33.27	-	-	74	-40.73	-	-	0-360	100	H
3	* 3.685	32.55	PK	33.3	-31.2	0	34.65	-	-	74	-39.35	-	-	0-360	200	H
5	* 11.88	24.96	PK	38.8	-22.2	0	41.56	-	-	74	-32.44	-	-	0-360	201	V
6	* 15.479	25.67	PK	40.6	-21.8	0	44.47	-	-	74	-29.53	-	-	0-360	201	V
4	7.782	29.68	PK	35.5	-25.5	0	39.68	-	-	-	-	68.2	-28.52	0-360	201	V

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

PK - Peak detector

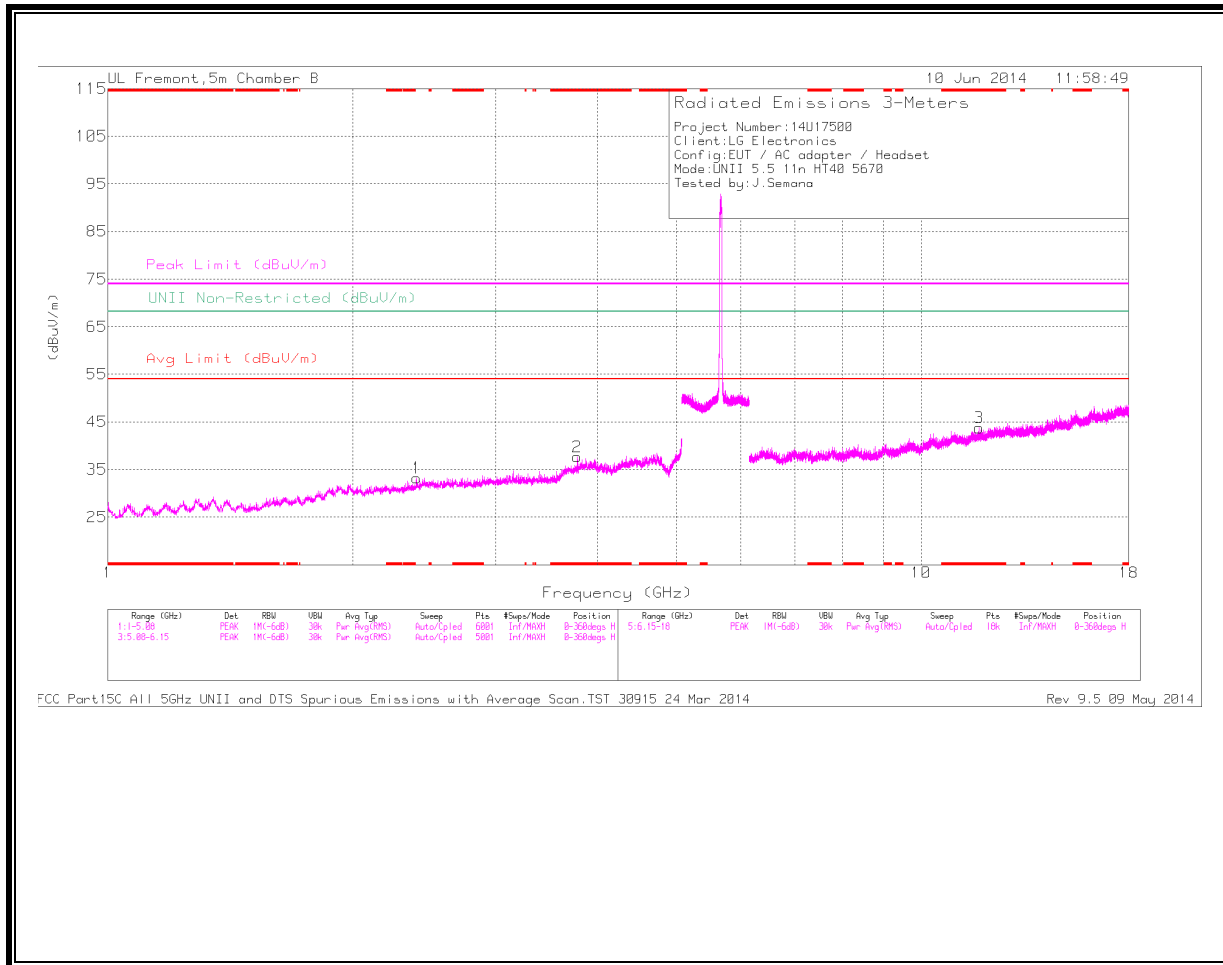
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/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
* 11.88	33.2	PK1	38.8	-22.2	0	49.8	-	-	74	-24.2	-	-	359	202	V
* 11.88	22.67	AD1	38.8	-22.2	.5	39.77	54	-14.23	-	-	-	-	359	202	V

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

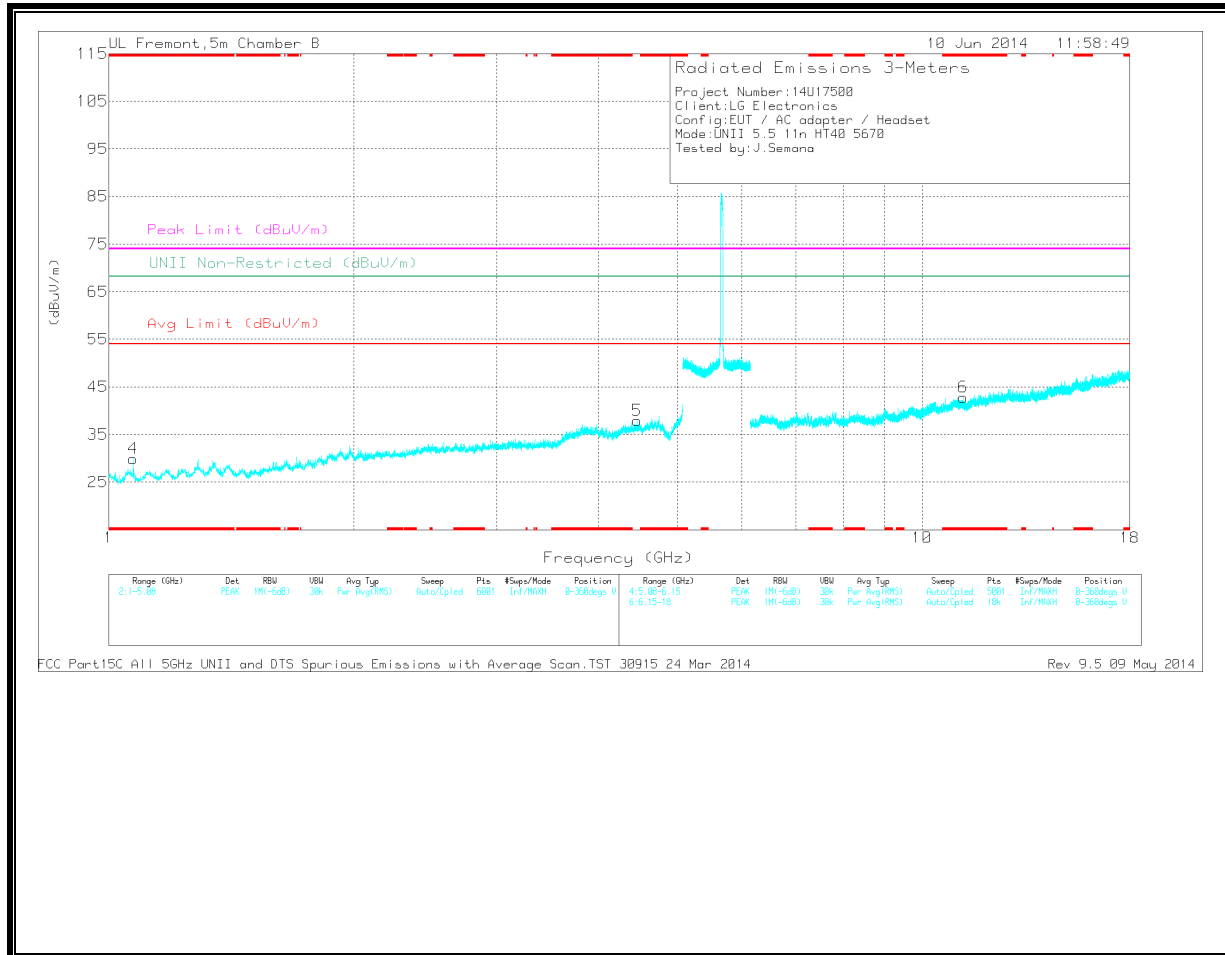
PK1 - KDB789033 Method: Peak

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.

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/Filtr/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	* 3.78	34.97	PK	33.6	-30.9	0	37.67	-	-	74	-36.33	-	-	0-360	201	H
4	* 1.072	37.04	PK	27.3	-34.4	0	29.94	-	-	74	-44.06	-	-	0-360	201	V
3	* 11.789	27.16	PK	38.3	-21.7	0	43.76	-	-	74	-30.24	-	-	0-360	200	H
6	* 11.231	26.65	PK	37.9	-21.7	0	42.85	-	-	74	-31.15	-	-	0-360	100	V
1	2.399	33.82	PK	32.1	-32.7	0	33.22	-	-	-	-	68.2	-34.98	0-360	101	H
5	4.461	33.55	PK	33.9	-29.5	0	37.95	-	-	-	-	68.2	-30.25	0-360	201	V

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

PK - Peak detector

Radiated Emissions

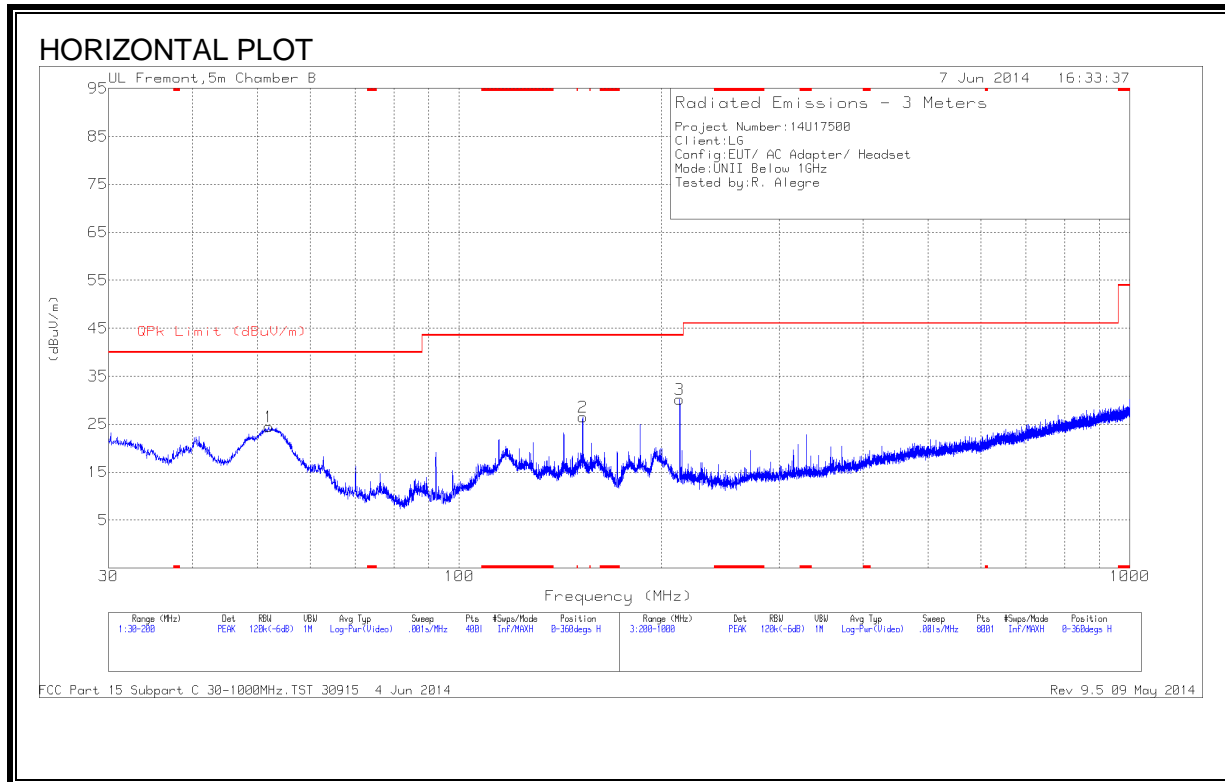
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.072	42.77	PK1	27.3	-34.4	0	35.67	-	-	74	-38.33	-	-	359	202	V
* 1.07	31.19	AD1	27.3	-34.4	.5	24.59	54	-29.41	-	-	-	-	359	202	V

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

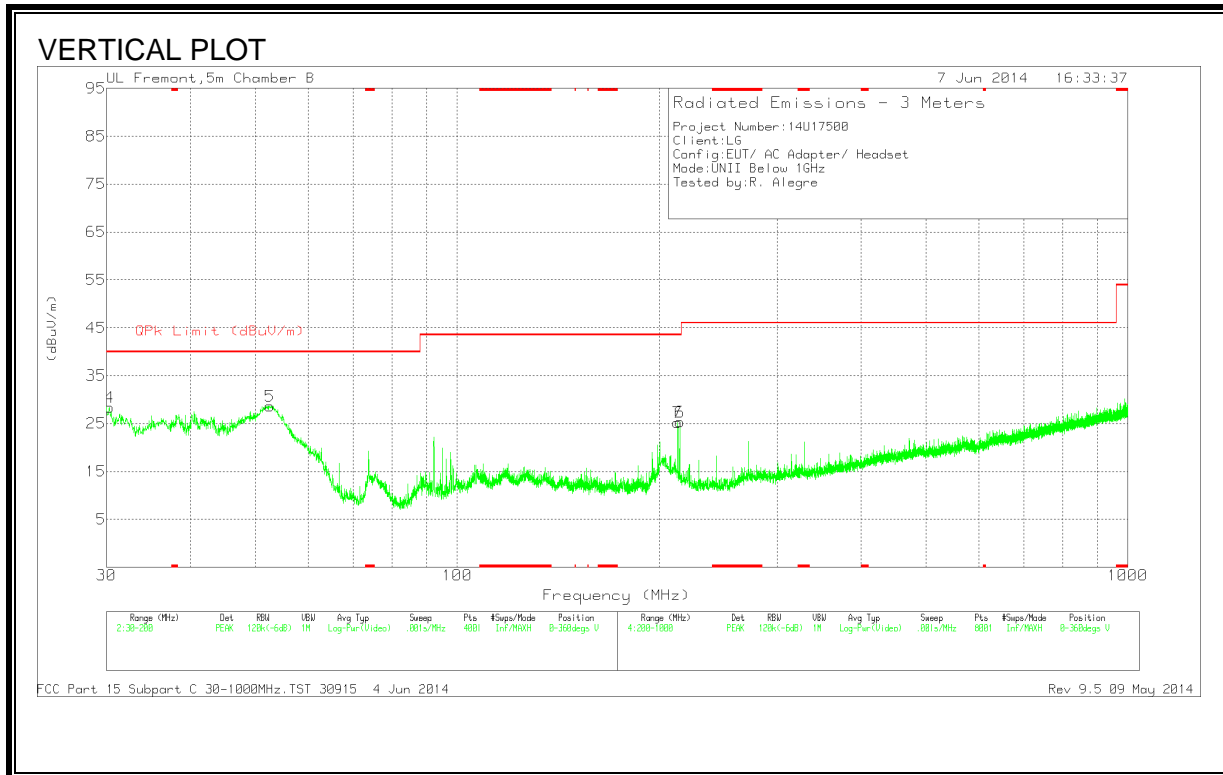
PK1 - KDB789033 Method: Peak

11. WORST-CASE BELOW 1 GHz (in the 5.3 GHz Band)

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



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



Worst Case 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
4	30.2975	35.96	PK	21.2	-28.8	0	28.36	40	-11.64	0-360	101	V
1	52.0575	45.61	PK	7.5	-28.6	0	24.51	40	-15.49	0-360	400	H
5	52.525	49.78	PK	7.4	-28.5	0	28.68	40	-11.32	0-360	101	V
2	152.825	41.55	PK	12.3	-27.4	0	26.45	43.52	-17.07	0-360	200	H
3	213.3	46.48	PK	10.5	-26.8	0	30.18	43.52	-13.34	0-360	101	H
7	213.3	41.51	PK	10.5	-26.8	0	25.21	43.52	-18.31	0-360	200	V
6	214.7	41.6	PK	10.6	-26.8	0	25.4	43.52	-18.12	0-360	200	V

PK - Peak detector