



FCC 47 CFR PART 15 SUBPART E

CERTIFICATION TEST REPORT

FOR

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

MODEL NUMBER: LG-D725, D725, LGD725

FCC ID: ZNFD725

REPORT NUMBER: 14U18112-5

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Prepared for
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Rev.	Issue Date	Revisions	Revised By
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TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS	4
2. TEST METHODOLOGY	5
3. FACILITIES AND ACCREDITATION	5
4. CALIBRATION AND UNCERTAINTY	5
4.1. MEASURING INSTRUMENT CALIBRATION	5
4.2. SAMPLE CALCULATION	5
4.3. MEASUREMENT UNCERTAINTY.....	5
5. EQUIPMENT UNDER TEST	6
5.1. DESCRIPTION OF EUT	6
5.2. MAXIMUM OUTPUT POWER.....	6
5.3. DESCRIPTION OF AVAILABLE ANTENNAS	6
5.4. WORST-CASE CONFIGURATION AND MODE.....	7
5.5. DESCRIPTION OF TEST SETUP.....	8
6. TEST AND MEASUREMENT EQUIPMENT	10
7. SUMMARY TABLE	11
8. ON TIME, DUTY CYCLE AND MEASUREMENT METHODS	12
8.1. ON TIME AND DUTY CYCLE RESULTS.....	12
8.2. DUTY CYCLE PLOTS	12
9. MEASUREMENT METHOD.....	14
10. TRANSMITTER ABOVE 1 GHz.....	15
10.1. 5.2 GHz.....	16
10.1.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.2 GHz BAND	16
10.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND.....	27
10.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND.....	38
10.2. 5.3 GHz.....	46
10.2.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.3 GHz BAND	46
10.2.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND.....	57
10.2.4. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND.....	68
10.3. 5.5-5.6 GHz.....	76
10.3.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.5 GHz BAND	76
10.3.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.5 GHz BAND.....	89
10.3.5. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.5 GHz BAND.....	102
11. WORST-CASE BELOW 1 GHz (in the 5.2 GHz Band).....	115
12. SETUP PHOTOS.....	118

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-D725, D725, LGD725

SERIAL NUMBER: 17T3W (Radiated)

DATE TESTED: JUNE 25-30, 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
☒ 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:

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

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	9.79	9.53
5180-5240	802.11n HT20	9.4	8.71
5190-5230	802.11n HT40	10.66	11.64
5260-5320	802.11a	9.42	8.75
5260-5320	802.11n HT20	9.32	8.55
5270-5310	802.11n HT40	10.2	10.47
5500-5700	802.11a	9.87	9.71
5500-5700	802.11n HT20	9.87	9.71
5510-5670	802.11n HT40	10.49	11.19

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes a PIF antenna, with a maximum gain of -1.1 dBi.

5.4. WORST-CASE CONFIGURATION AND MODE

Radiated emission and power line conducted emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

The fundamental of the EUT was investigated in three orthogonal orientations X,Y,Z, it was determined that 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

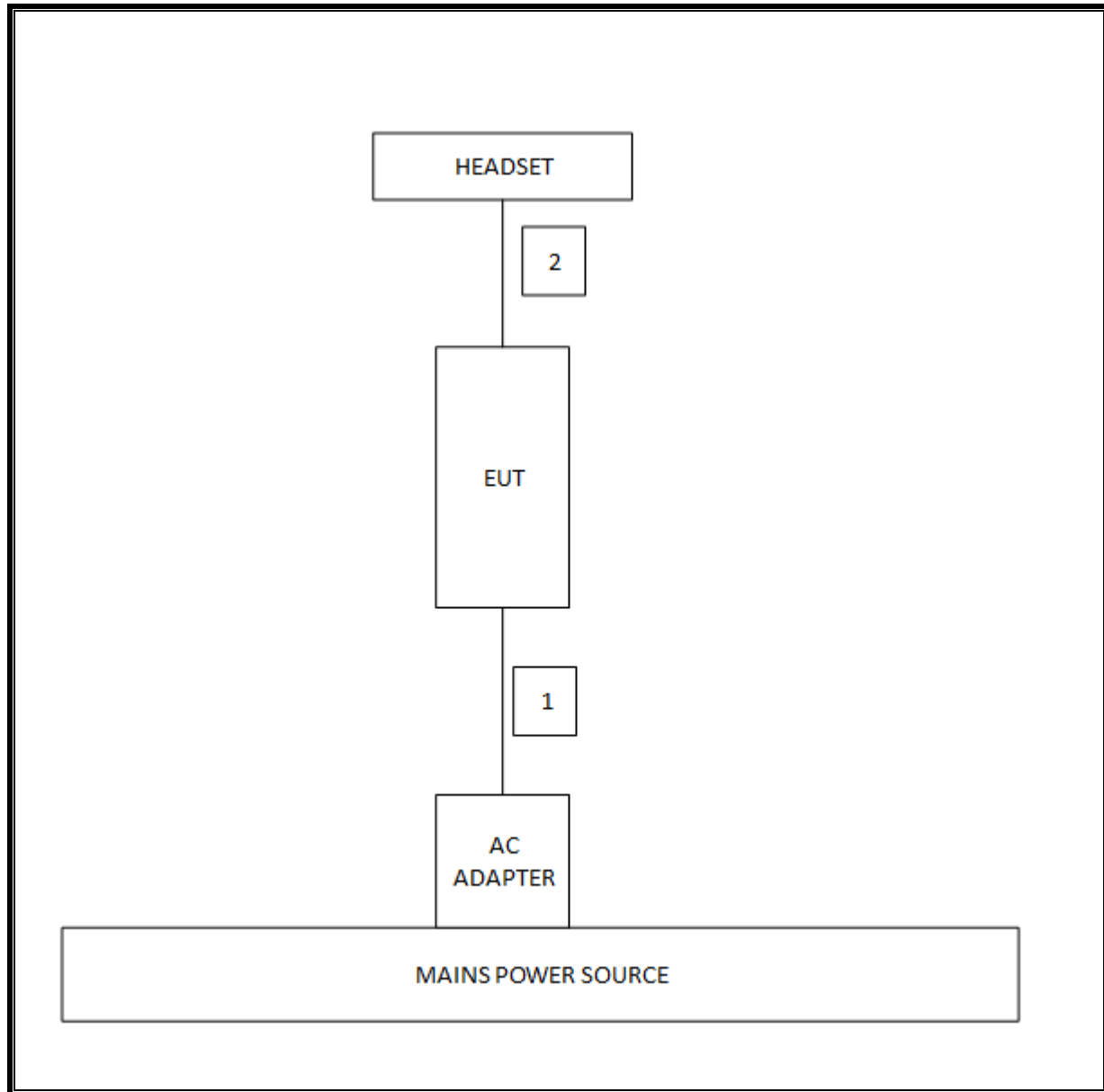
Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adapter	LG Electronics	MCS-01WD	DB3Y0094683	N/A
Earphone	LG Electronics	N/A	N/A	N/A

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	06/28/15
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	06/27/15
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
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)(5)	PSD	<4dBm for 5.2 and <8dBm for 5.3/5.5		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	45.25dBuV/m
15.407 (h)(2)	Dynamic Frequency Selection	N/A	Radiated / Conducted	Pass	N/A

8. ON TIME, DUTY CYCLE AND MEASUREMENT METHODS

LIMITS

None; for reporting purposes only.

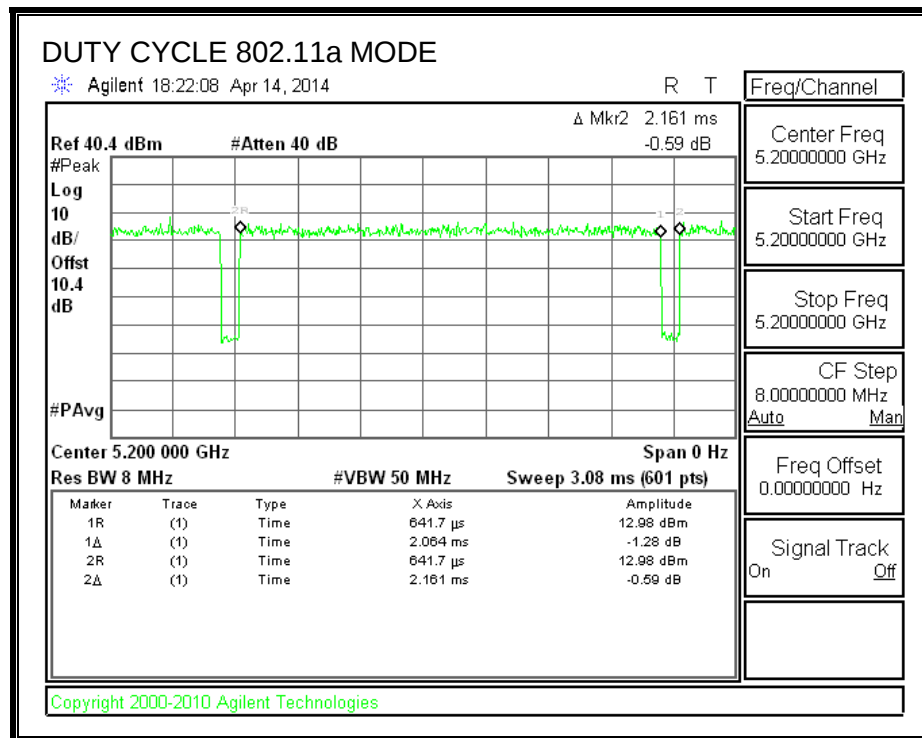
PROCEDURE

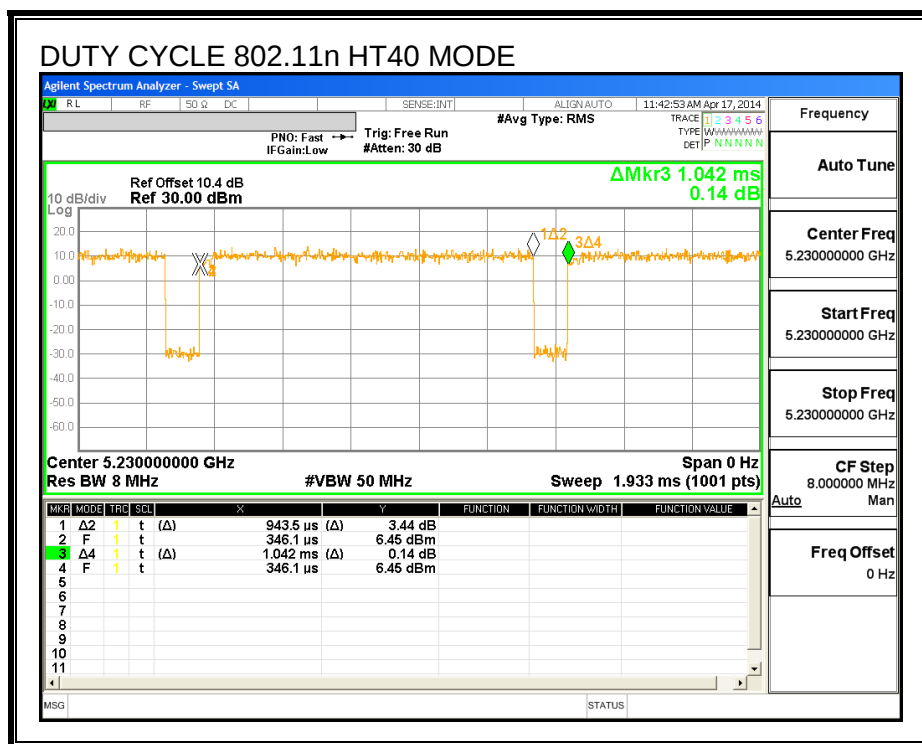
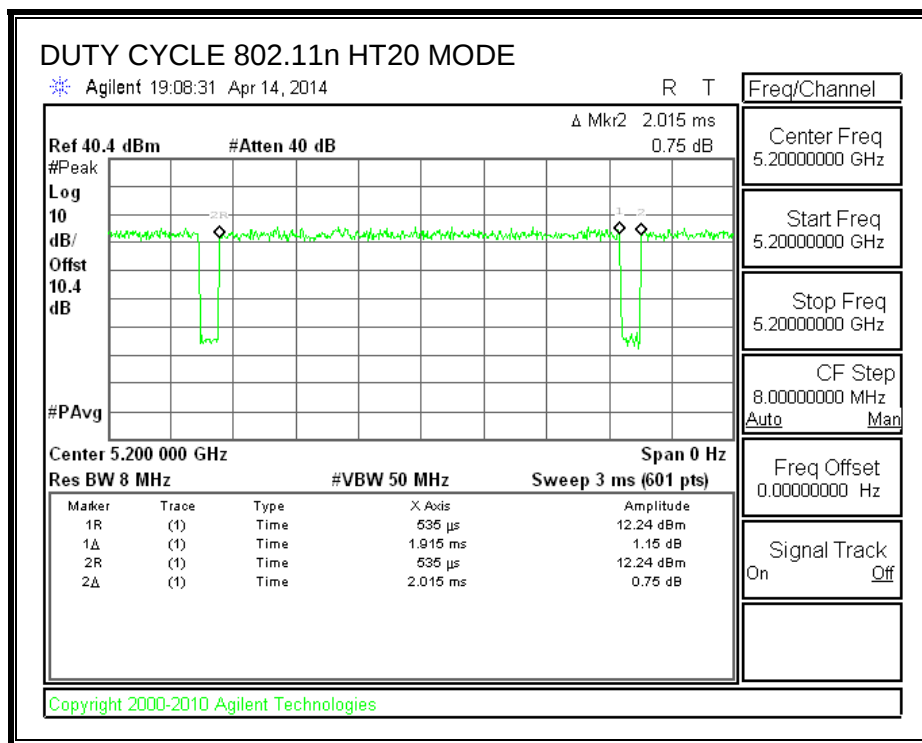
KDB 789033 Zero-Span Spectrum Analyzer Method.

8.1. ON TIME AND DUTY CYCLE RESULTS

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	2.06	2.16	0.955	95.5%	0.20	0.484
802.11n HT20	1.92	2.02	0.950	95.0%	0.22	0.522
802.11n HT40	0.94	1.04	0.905	90.5%	0.43	1.060

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.

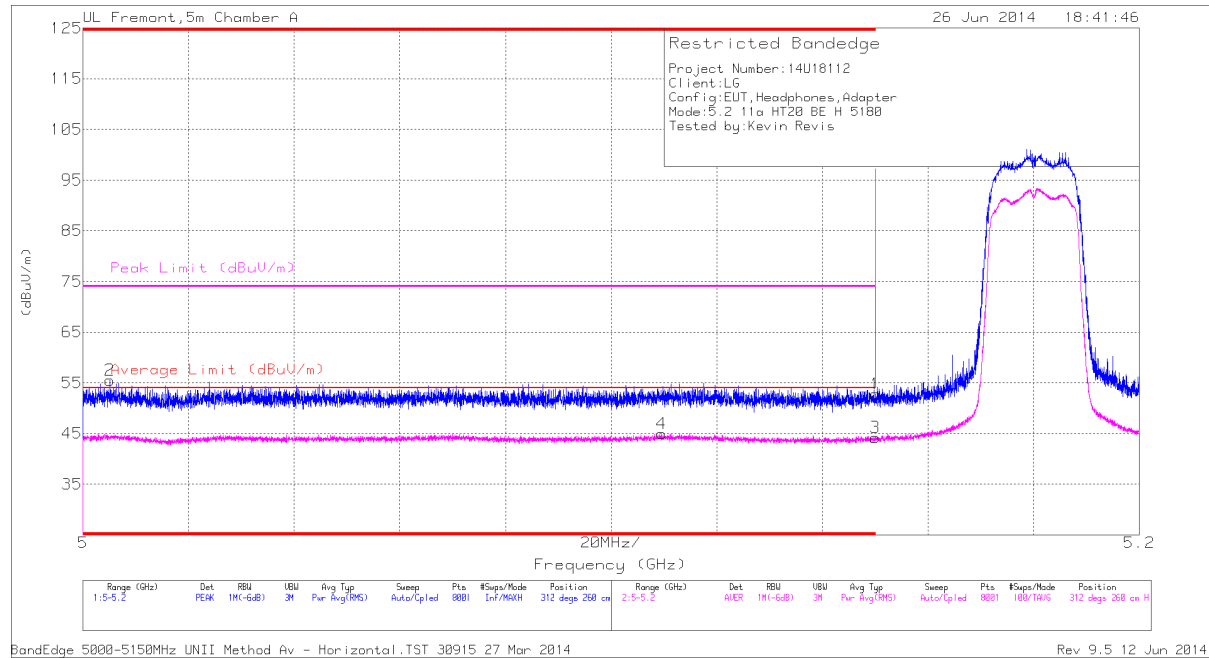
The spectrum from 1GHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

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



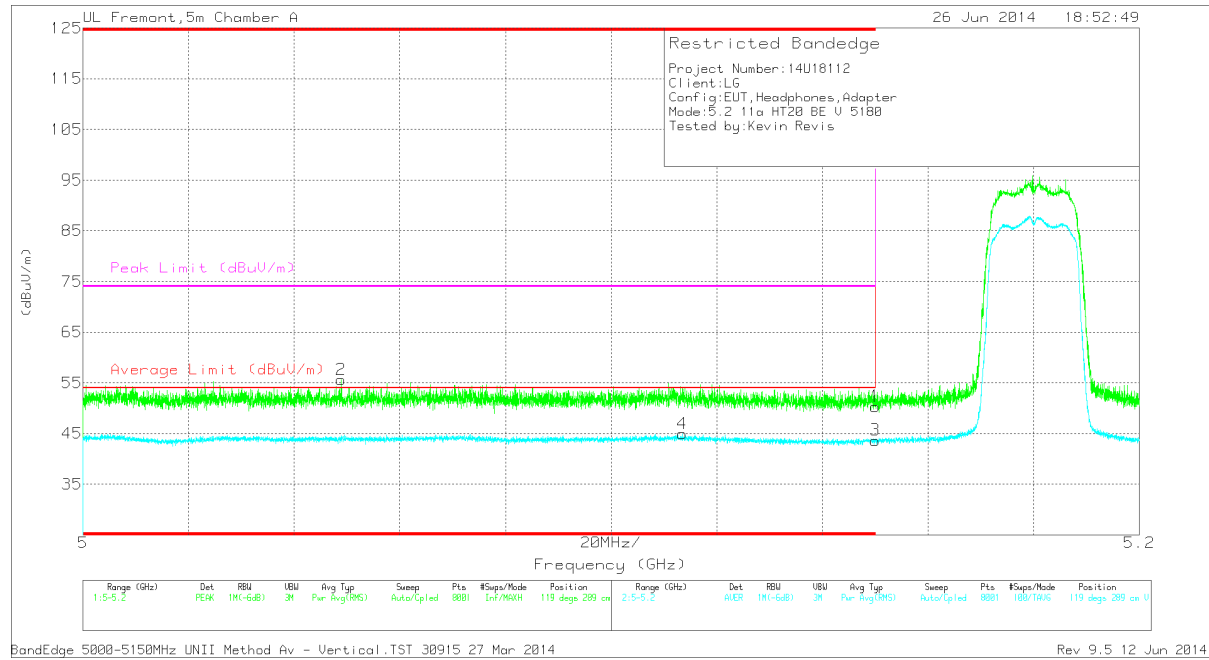
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.31	PK	34	-20.5	0	52.81	-	-	74	-21.19	312	260	H
2	* 5.005	41.21	PK	33.9	-19.6	0	55.51	-	-	74	-18.49	312	260	H
3	* 5.15	30.53	RMS	34	-20.5	.2	44.22	54	-9.78	-	-	312	260	H
4	* 5.11	30.94	RMS	33.9	-20.1	.2	44.93	54	-9.07	-	-	312	260	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 T136 (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
2	* 5.049	42.06	PK	33.8	-20.2	0	55.66	-	-	74	-18.34	119	289	V
4	* 5.113	30.95	RMS	33.9	-20.1	.2	44.94	54	-9.06	-	-	119	289	V
1	* 5.15	36.85	PK	34	-20.5	0	50.35	-	-	74	-23.65	119	289	V
3	* 5.15	29.96	RMS	34	-20.5	.2	43.65	54	-10.35	-	-	119	289	V

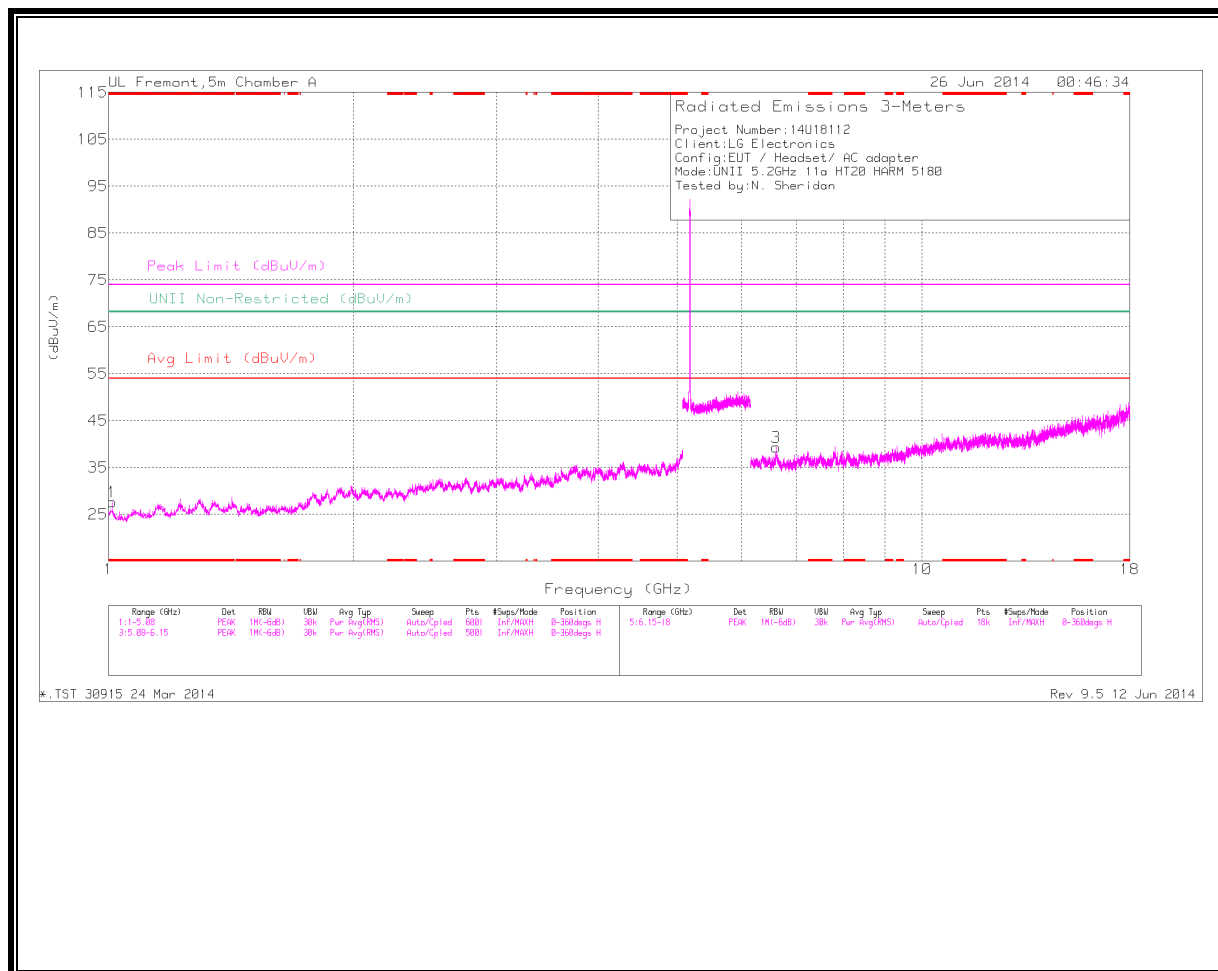
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

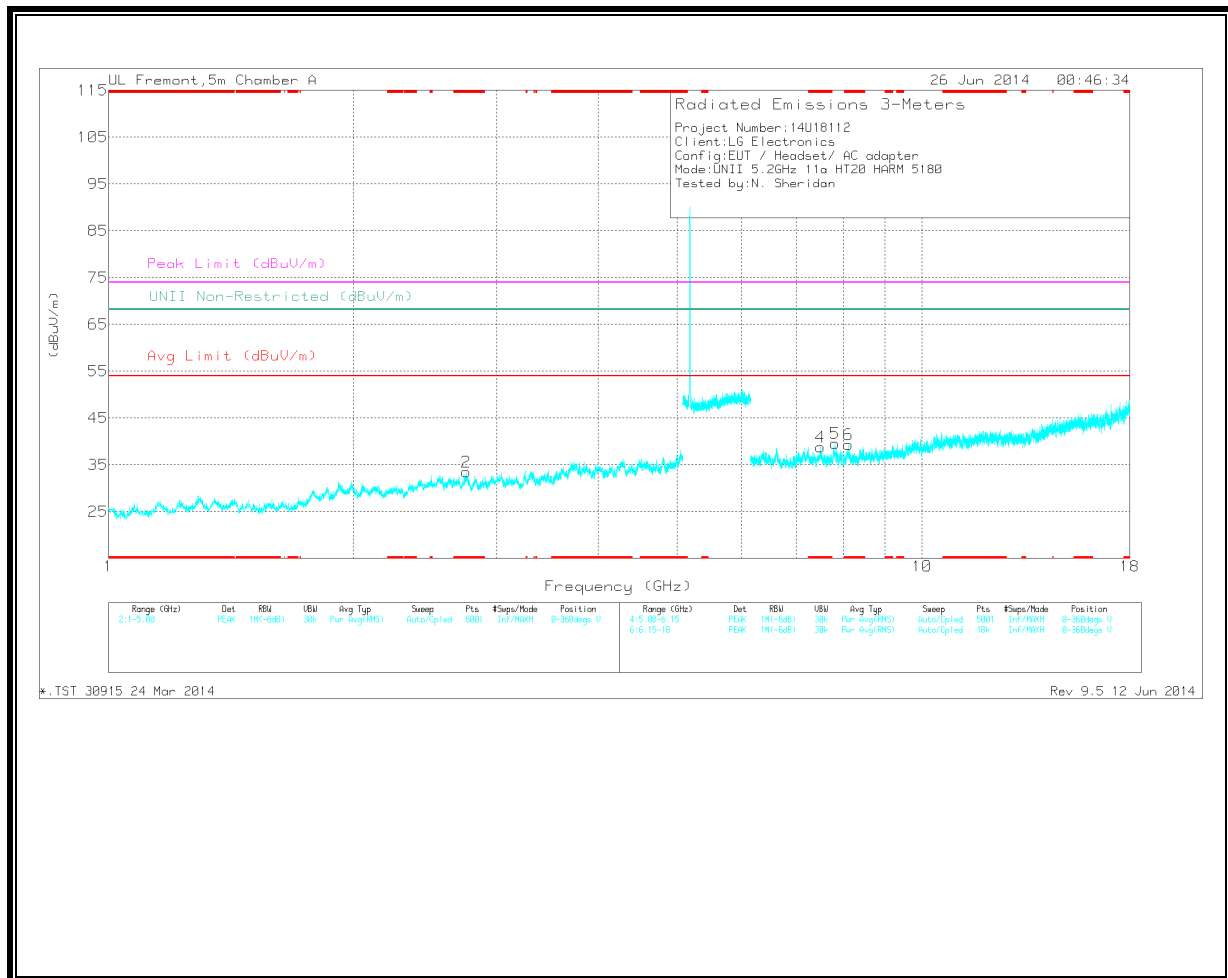
RMS - RMS detection

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.



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LOW CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T136 (dB/m)	Amp/Cb/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	* 1.01	36.65	PK	28.7	-37.7	0	27.65	-	-	74	-46.35	-	-	0-360	201	H
2	* 2.754	32.48	PK	32.7	-31.7	0	33.48	-	-	74	-40.52	-	-	0-360	201	V
4	* 7.505	28.25	PK	35.3	-24.7	0	38.85	-	-	74	-35.15	-	-	0-360	100	V
6	* 8.119	28.69	PK	35.5	-24.9	0	39.29	-	-	74	-34.71	-	-	0-360	100	V
3	6.611	29.35	PK	35.5	-25.5	0	39.35	-	-	-	-	68.2	-28.85	0-360	201	H
5	7.822	28.47	PK	35.5	-24.4	0	39.57	-	-	-	-	68.2	-28.63	0-360	201	V

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

PK - Peak detector

Radiated Emissions

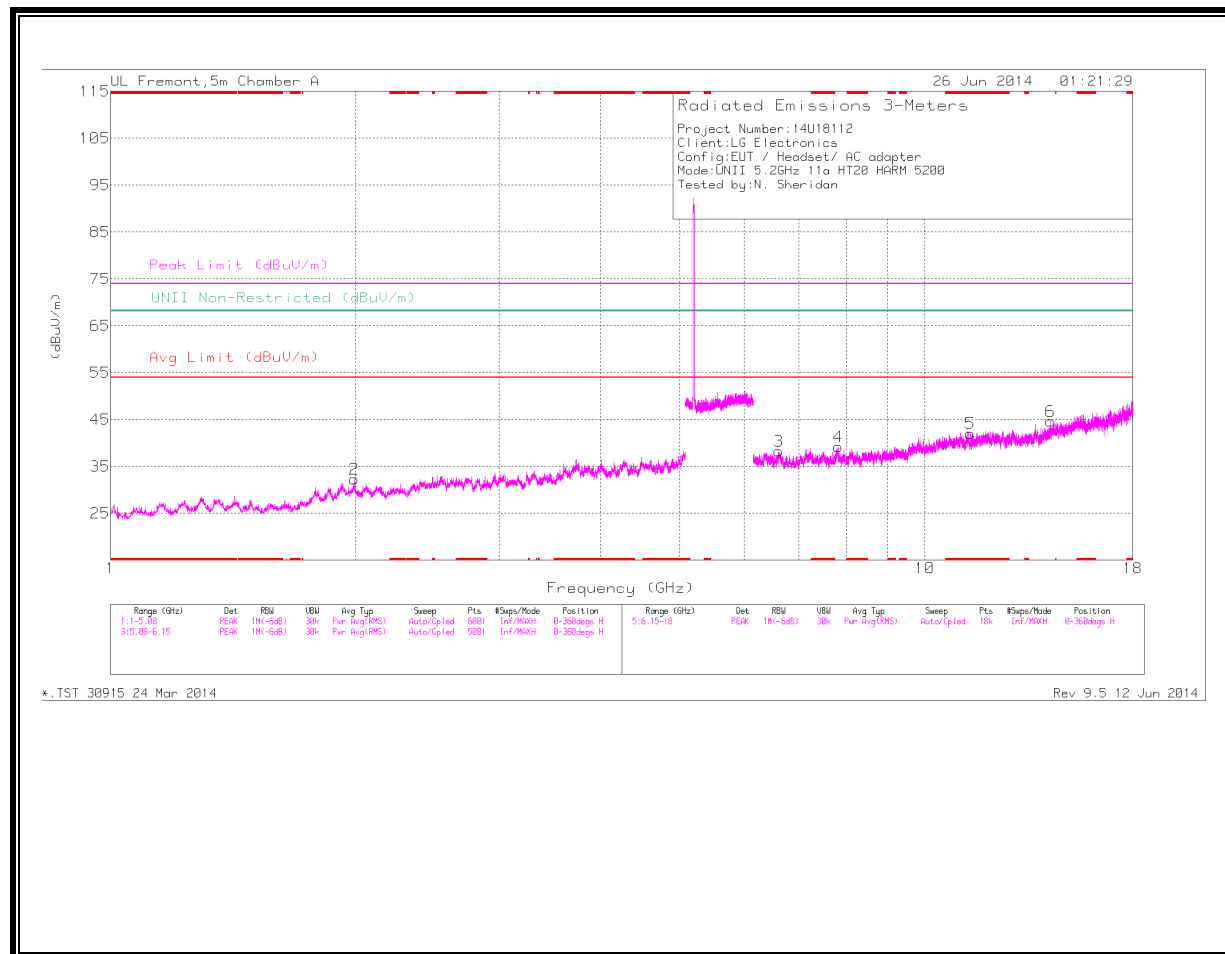
Frequency (GHz)	Meter Reading (dBuV)	Det	Af T136 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.01	43.7	PK1	28.7	-37.7	0	34.7	-	-	74	-39.3	-	-	359	202	H
* 1.009	32.33	AD1	28.7	-37.8	.2	23.42	54	-30.58	-	-	-	-	359	202	H
* 7.505	34.77	PK1	35.3	-24.7	0	45.37	-	-	74	-28.63	-	-	359	100	V
* 7.506	24.53	AD1	35.3	-24.7	.2	35.32	54	-18.68	-	-	-	-	359	100	V
* 7.506	22.9	RMS	35.3	-24.7	.2	33.69	-	-	-	-	-	-	359	100	V

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

RMS - RMS detection

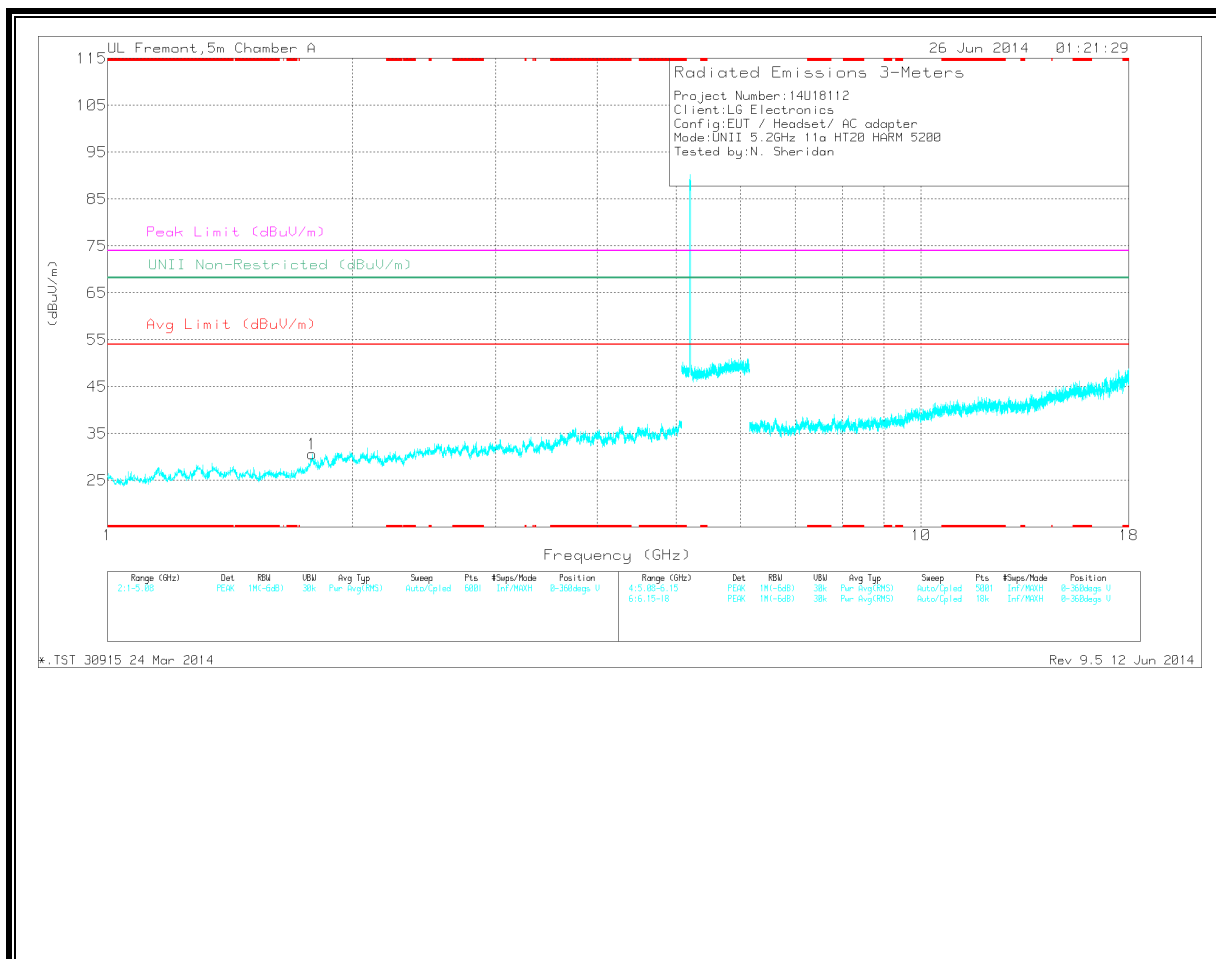
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average



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/Fil tr/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	* 11.378	26.26	PK	38.1	-22.3	0	42.06	-	-	74	-31.94	-	-	0-360	201	H
1	1.784	34.72	PK	30.3	-34.4	0	30.62	-	-	-	-	68.2	-37.58	0-360	201	V
2	1.991	35.07	PK	32	-34.8	0	32.27	-	-	-	-	68.2	-35.93	0-360	100	H
3	6.61	28.27	PK	35.5	-25.5	0	38.27	-	-	-	-	68.2	-29.93	0-360	201	H
4	7.827	28.67	PK	35.5	-25	0	39.17	-	-	-	-	68.2	-29.03	0-360	201	H
6	14.26	27.41	PK	39.5	-22.3	0	44.61	-	-	-	-	68.2	-23.59	0-360	201	H

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

PK - Peak detector

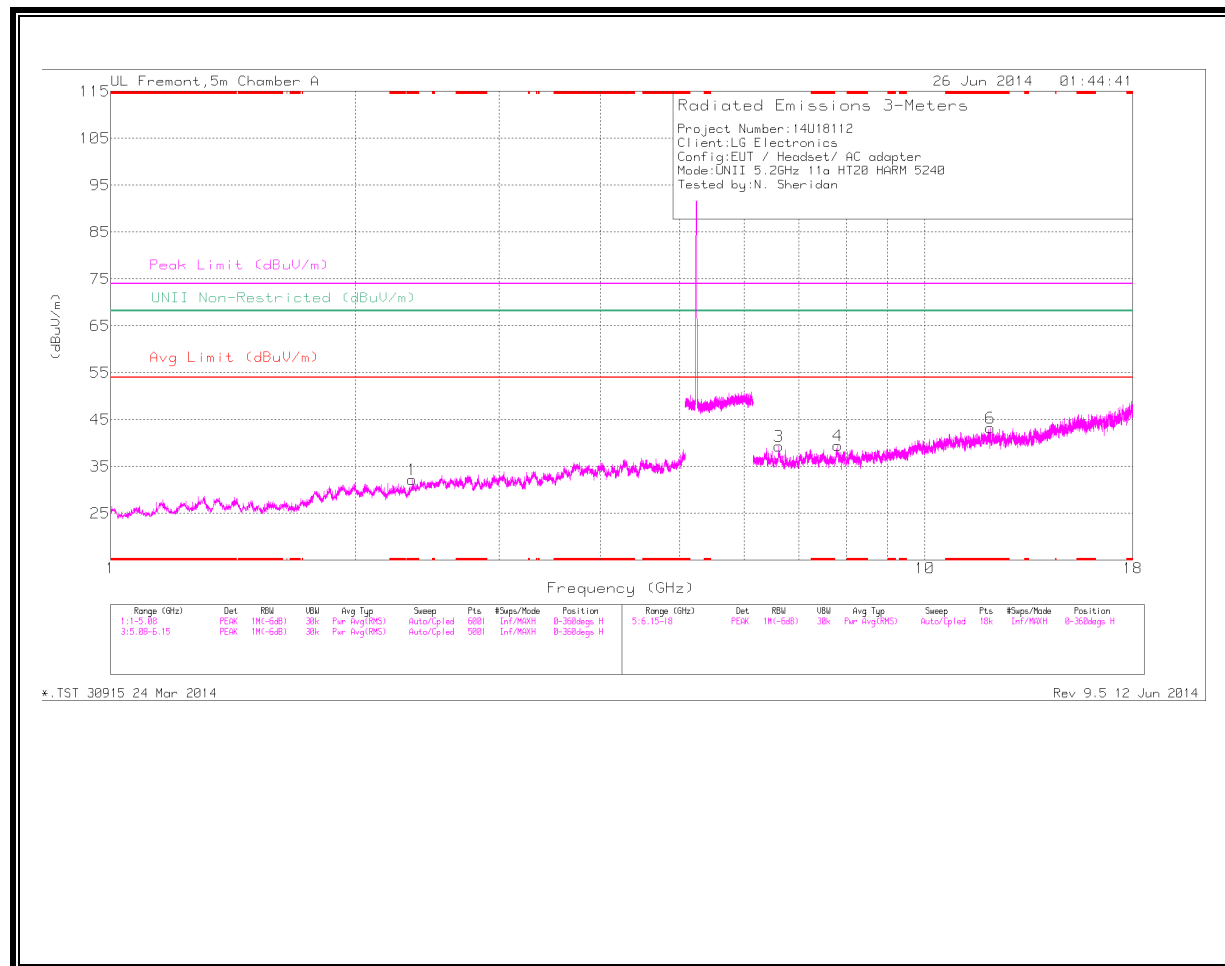
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fil tr/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
* 11.379	33.89	PK1	38.1	-22.2	0	49.79	-	-	74	-24.21	-	-	360	202	H
* 11.379	22.1	AD1	38.1	-22.2	.2	38.19	54	-15.81	-	-	-	-	360	202	H

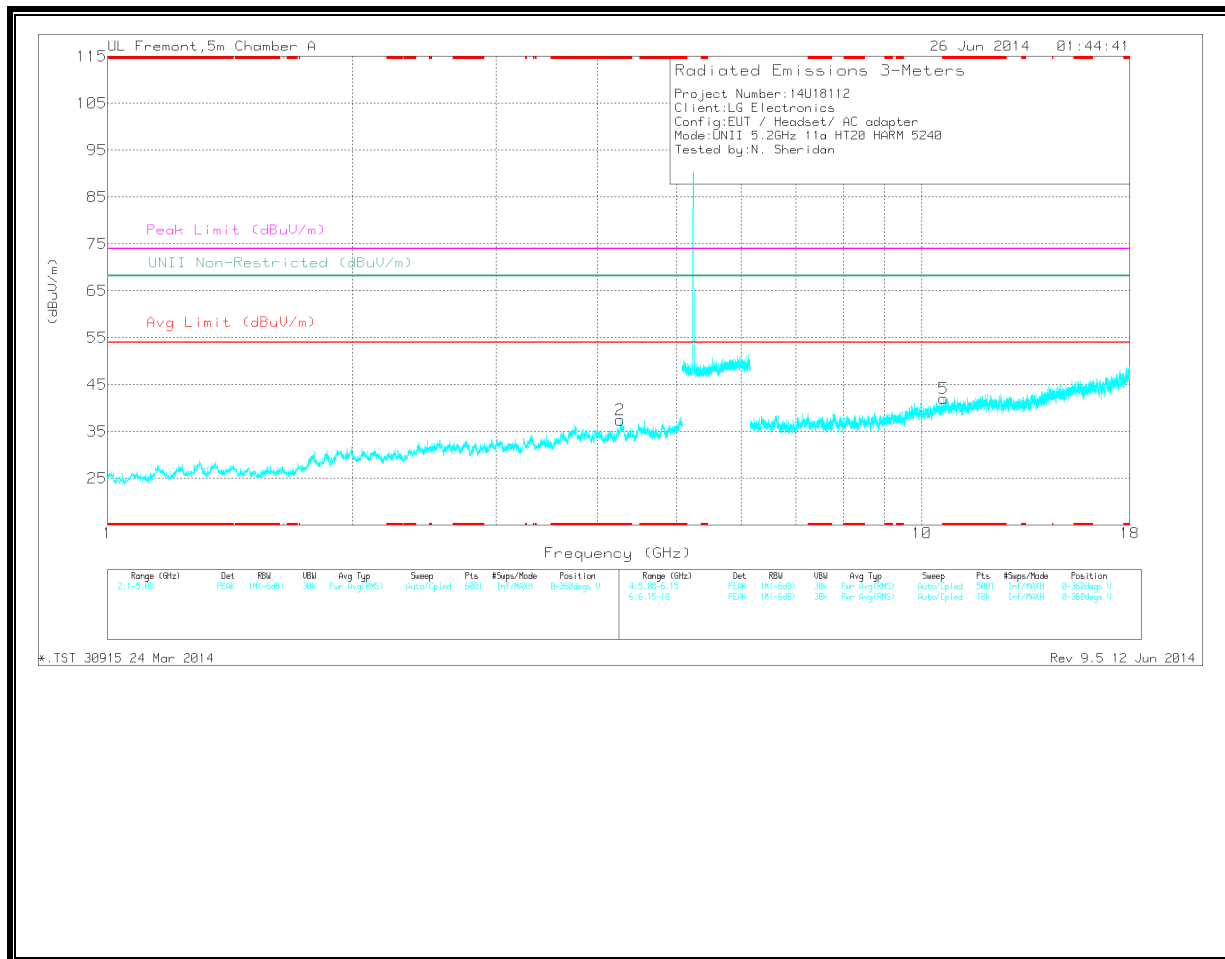
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average



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



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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	* 2.346	34.27	PK	31.9	-34	0	32.17	-	-	74	-41.83	-	-	0-360	201	H
2	* 4.262	31.46	PK	34	-28	0	37.46	-	-	74	-36.54	-	-	0-360	201	V
6	* 12.031	26.1	PK	38.9	-21.8	0	43.2	-	-	74	-30.8	-	-	0-360	201	H
5	* 10.626	26.22	PK	37.7	-21.8	0	42.12	-	-	74	-31.88	-	-	0-360	100	V
3	6.618	29.63	PK	35.5	-25.8	0	39.33	-	-	-	-	68.2	-28.87	0-360	100	H
4	7.817	28.34	PK	35.5	-24.4	0	39.44	-	-	-	-	68.2	-28.76	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
* 2.347	41.57	PK1	31.9	-34	0	39.47	-	-	74	-34.53	-	-	359	202	H
* 2.346	29.99	AD1	31.9	-34	.2	28.08	54	-25.92	-	-	-	-	359	202	H
* 4.261	39.06	PK1	34	-28.1	0	44.96	-	-	74	-29.04	-	-	299	109	V
* 4.262	27.3	AD1	34	-28	.2	33.49	54	-20.51	-	-	-	-	299	109	V

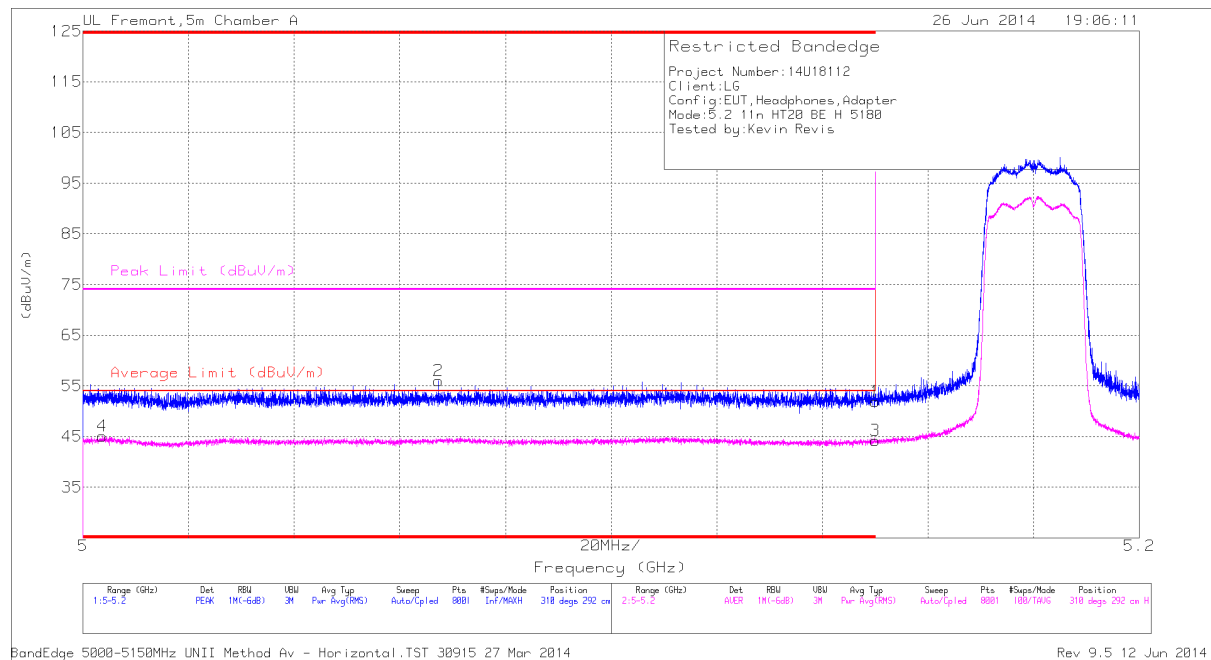
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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

HORIZONTAL



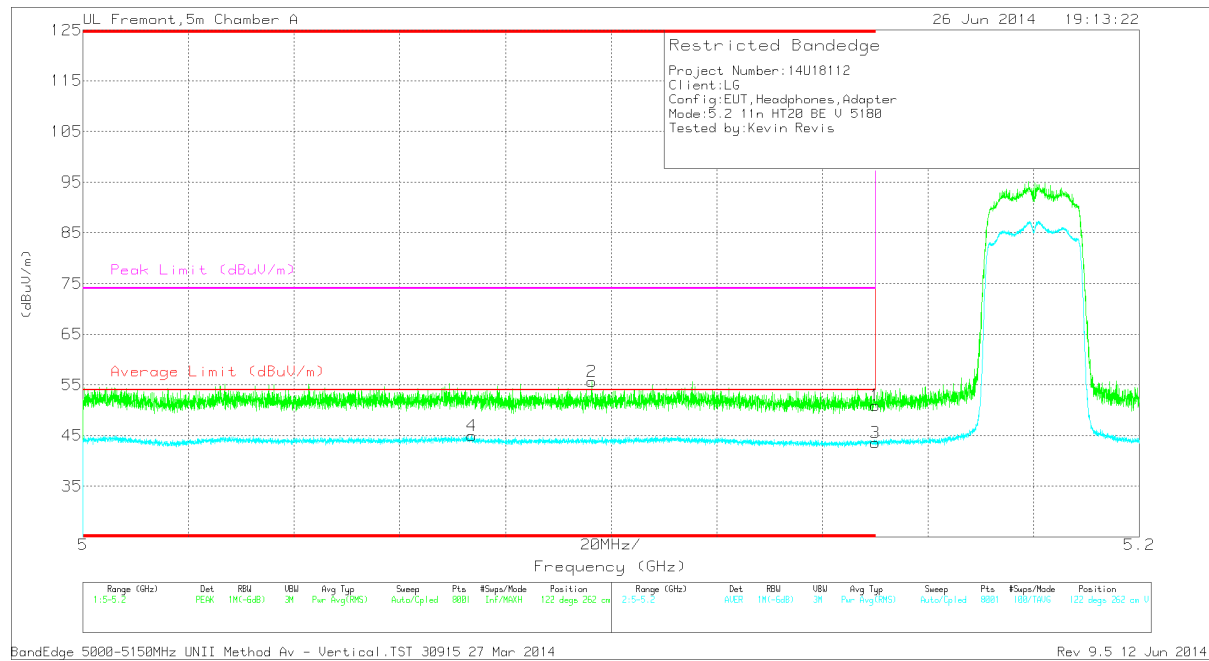
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.004	30.7	RMS	33.9	-19.7	.22	45.12	54	-8.88	-	-	310	292	H
2	* 5.067	42.17	PK	33.8	-20	0	55.97	-	-	74	-18.03	310	292	H
1	* 5.15	38.4	PK	34	-20.5	0	51.9	-	-	74	-22.1	310	292	H
3	* 5.15	30.48	RMS	34	-20.5	.22	44.2	54	-9.8	-	-	310	292	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 T136 (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	* 5.074	31.15	RMS	33.8	-20.2	.22	44.97	54	-9.03	-	-	122	262	V
2	* 5.096	42.17	PK	33.8	-20.3	0	55.67	-	-	74	-18.33	122	262	V
1	* 5.15	37.47	PK	34	-20.5	0	50.97	-	-	74	-23.03	122	262	V
3	* 5.15	29.86	RMS	34	-20.5	.22	43.58	54	-10.42	-	-	122	262	V

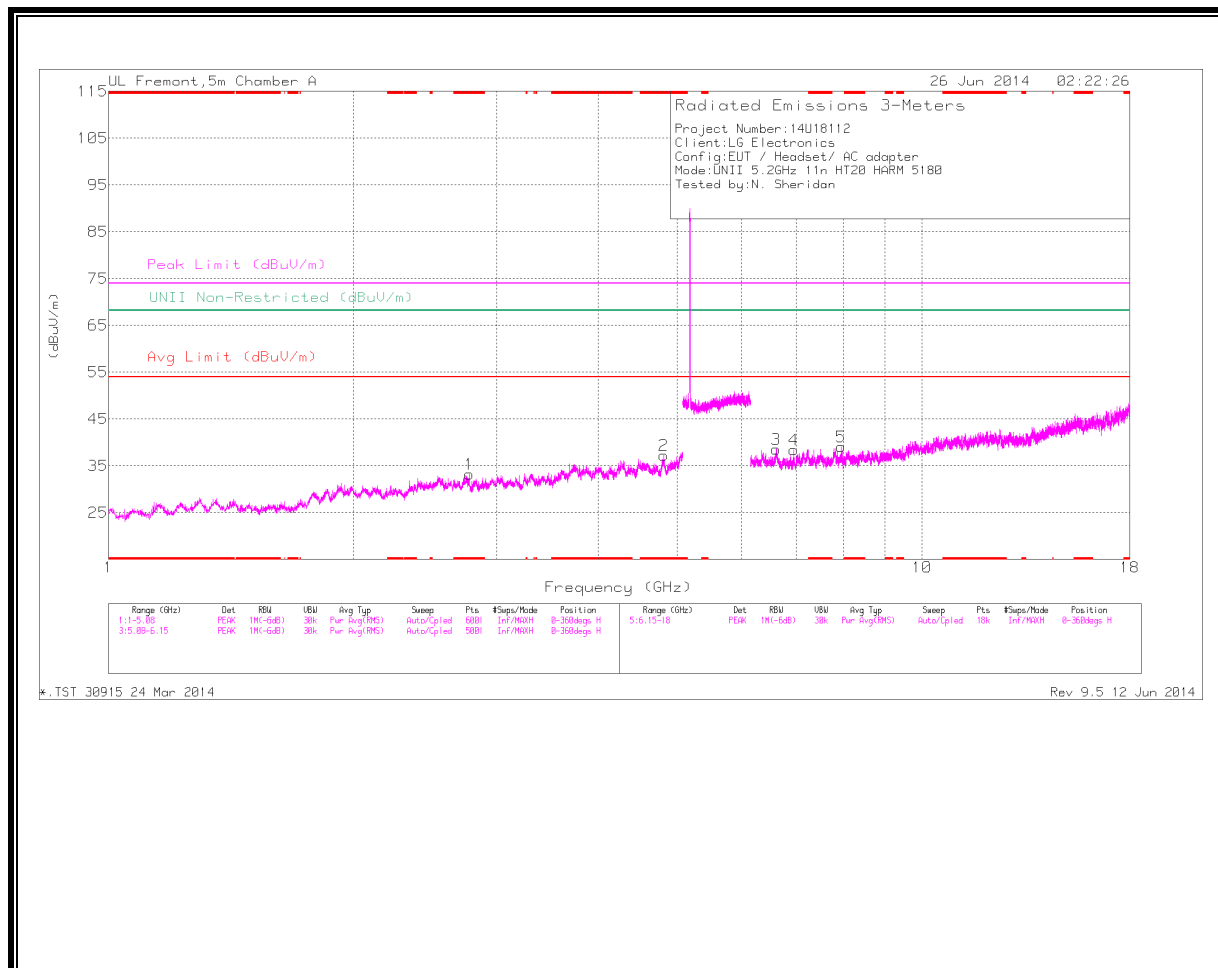
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

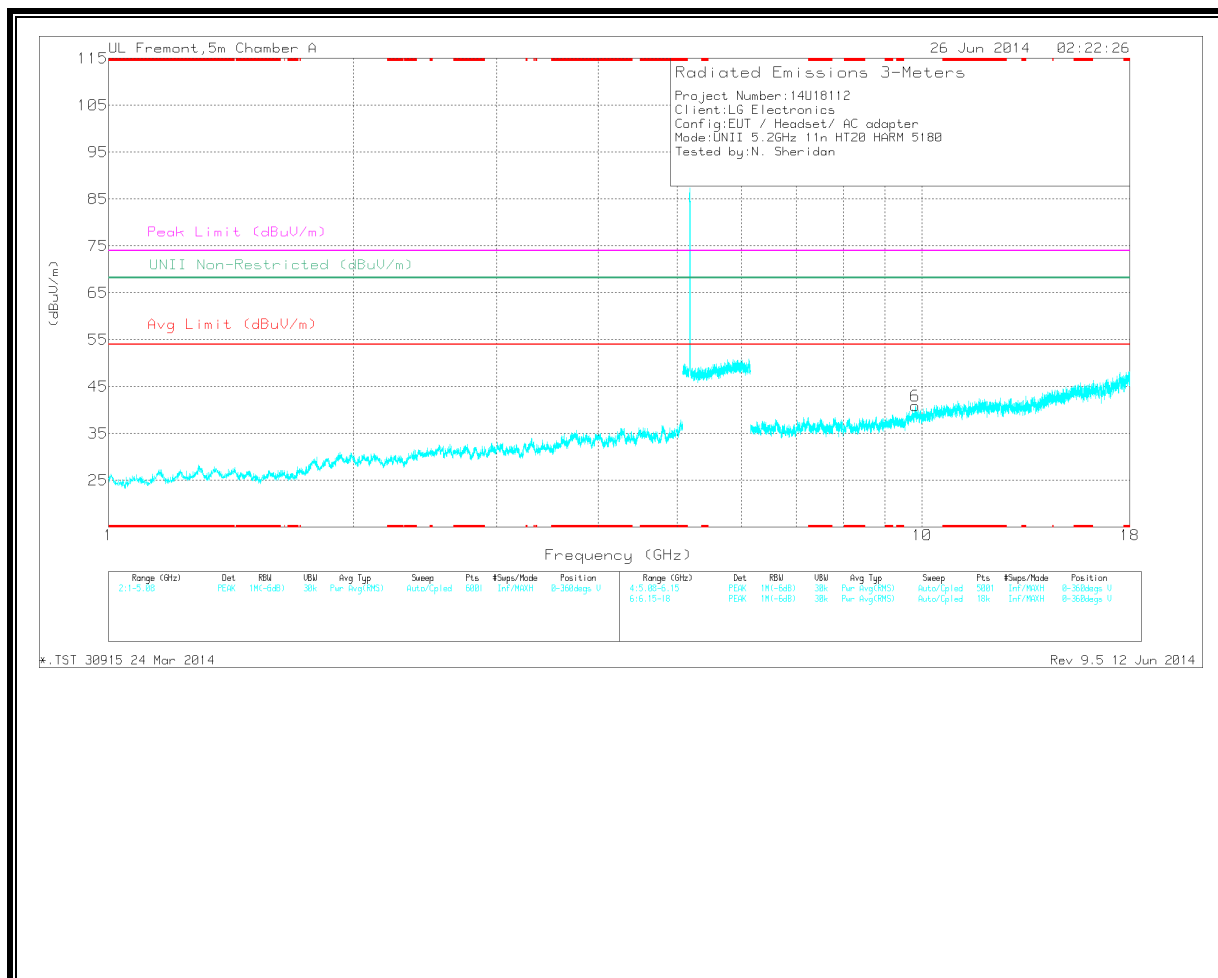
RMS - RMS detection

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.



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	* 2.775	33.15	PK	32.7	-32.6	0	33.25	-	-	74	-40.75	-	-	0-360	100	H
2	* 4.814	32.25	PK	34	-29	0	37.25	-	-	74	-36.75	-	-	0-360	201	H
3	6.615	28.72	PK	35.5	-25.7	0	38.52	-	-	-	-	68.2	-29.68	0-360	100	H
4	6.958	30.14	PK	35.3	-27	0	38.44	-	-	-	-	68.2	-29.76	0-360	201	H
5	7.946	29.63	PK	35.5	-26.1	0	39.03	-	-	-	-	68.2	-29.17	0-360	100	H
6	9.81	27.13	PK	36.9	-23.1	0	40.93	-	-	-	-	68.2	-27.27	0-360	201	V

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

PK - Peak detector

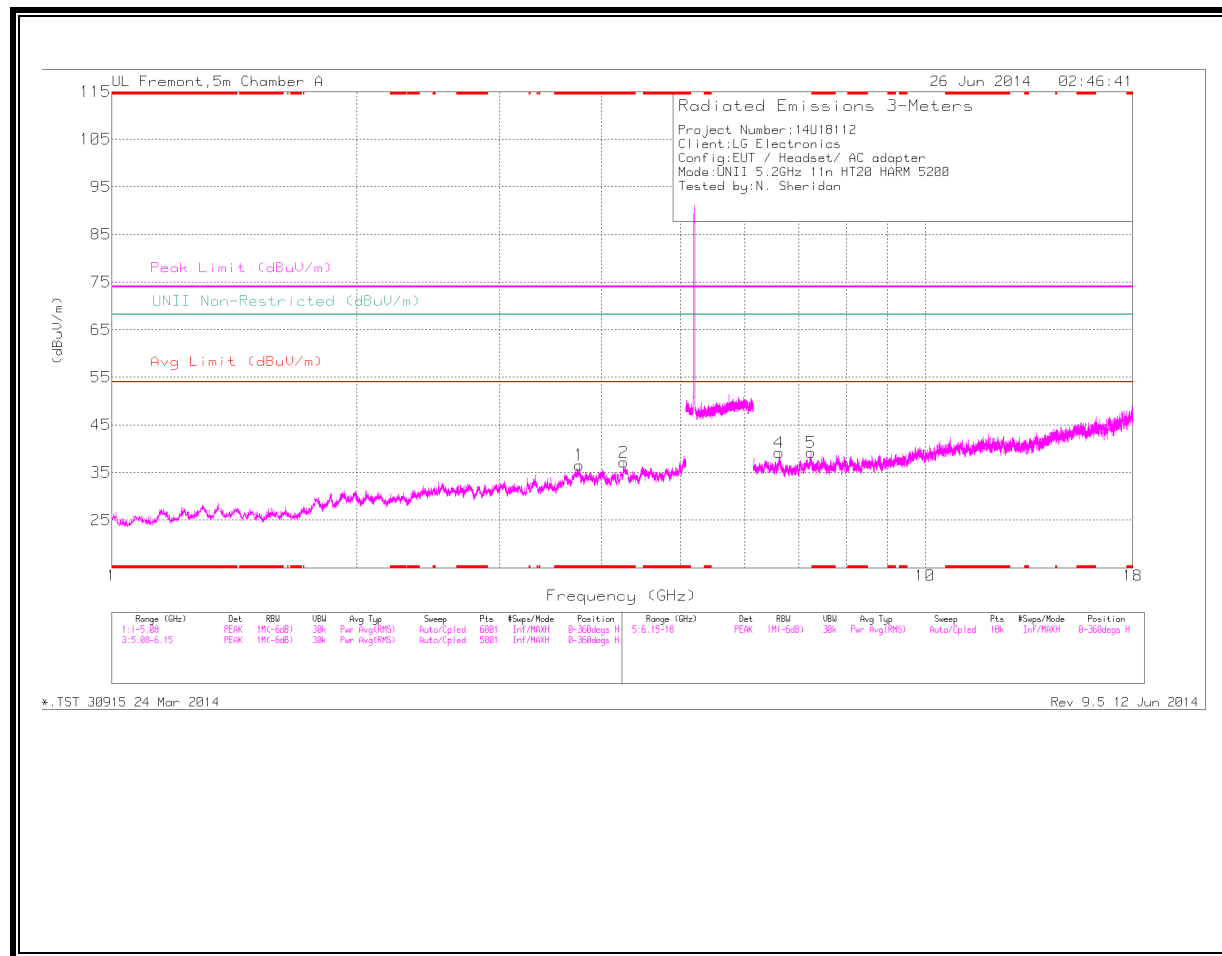
Radiated Emissions

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
* 4.813	39.36	PK1	34	-29	0	44.36	-	-	74	-29.64	-	-	359	202	H
* 4.814	28.43	AD1	34	-29	.22	33.65	54	-20.35	-	-	-	-	359	202	H

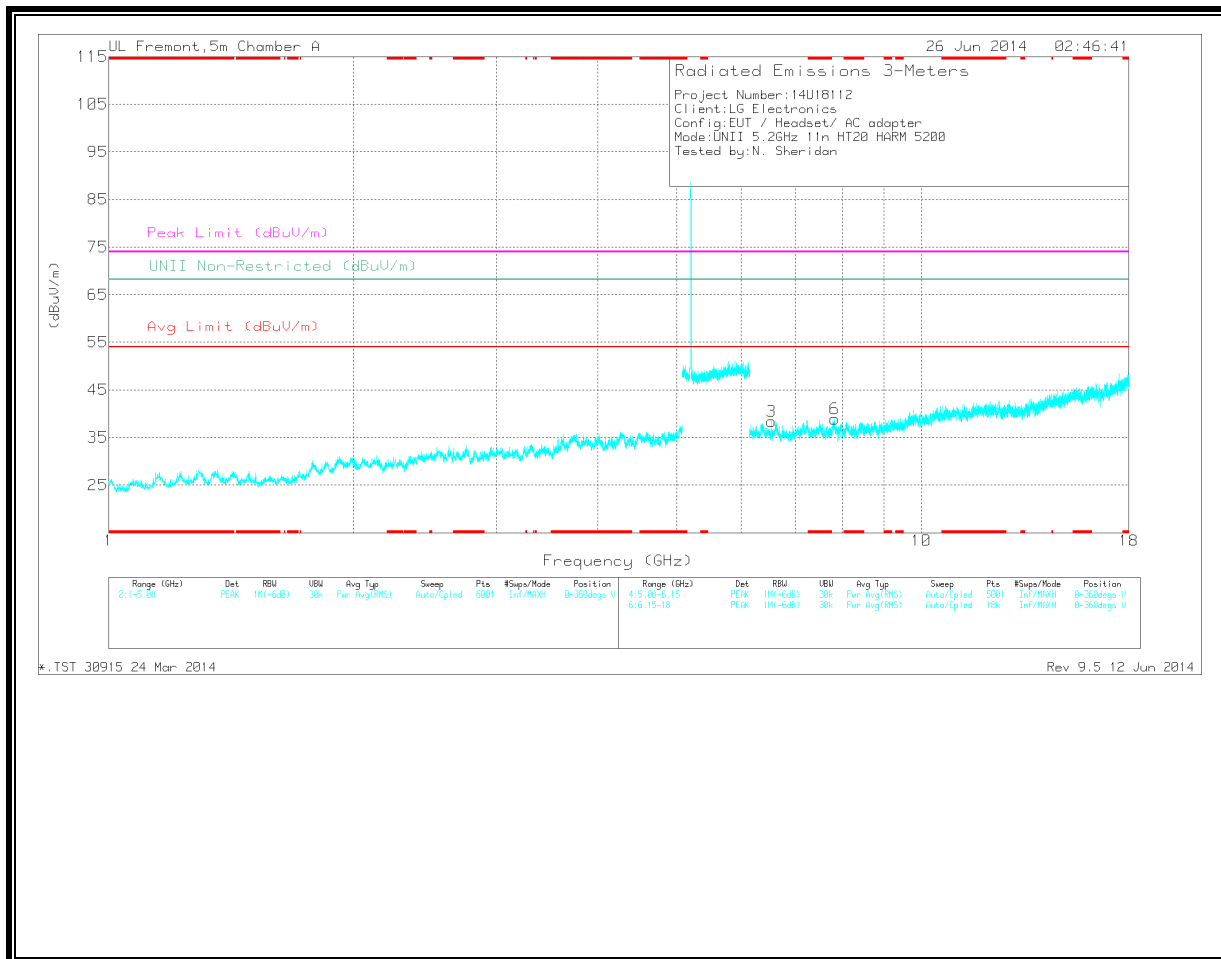
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average



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



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/Filr/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	* 3.759	32.97	PK	33.5	-29.9	0	36.57	-	-	74	-37.43	-	-	0-360	100	H
2	* 4.261	31.26	PK	34	-28.1	0	37.16	-	-	74	-36.84	-	-	0-360	201	H
3	6.544	30.8	PK	35.5	-27.9	0	38.4	-	-	-	-	68.2	-29.8	0-360	100	V
4	6.615	29.42	PK	35.5	-25.7	0	39.22	-	-	-	-	68.2	-28.98	0-360	201	H
5	7.239	28.99	PK	35.2	-25	0	39.19	-	-	-	-	68.2	-29.01	0-360	100	H
6	7.821	27.71	PK	35.5	-24.3	0	38.91	-	-	-	-	68.2	-29.29	0-360	201	V

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

PK - Peak detector

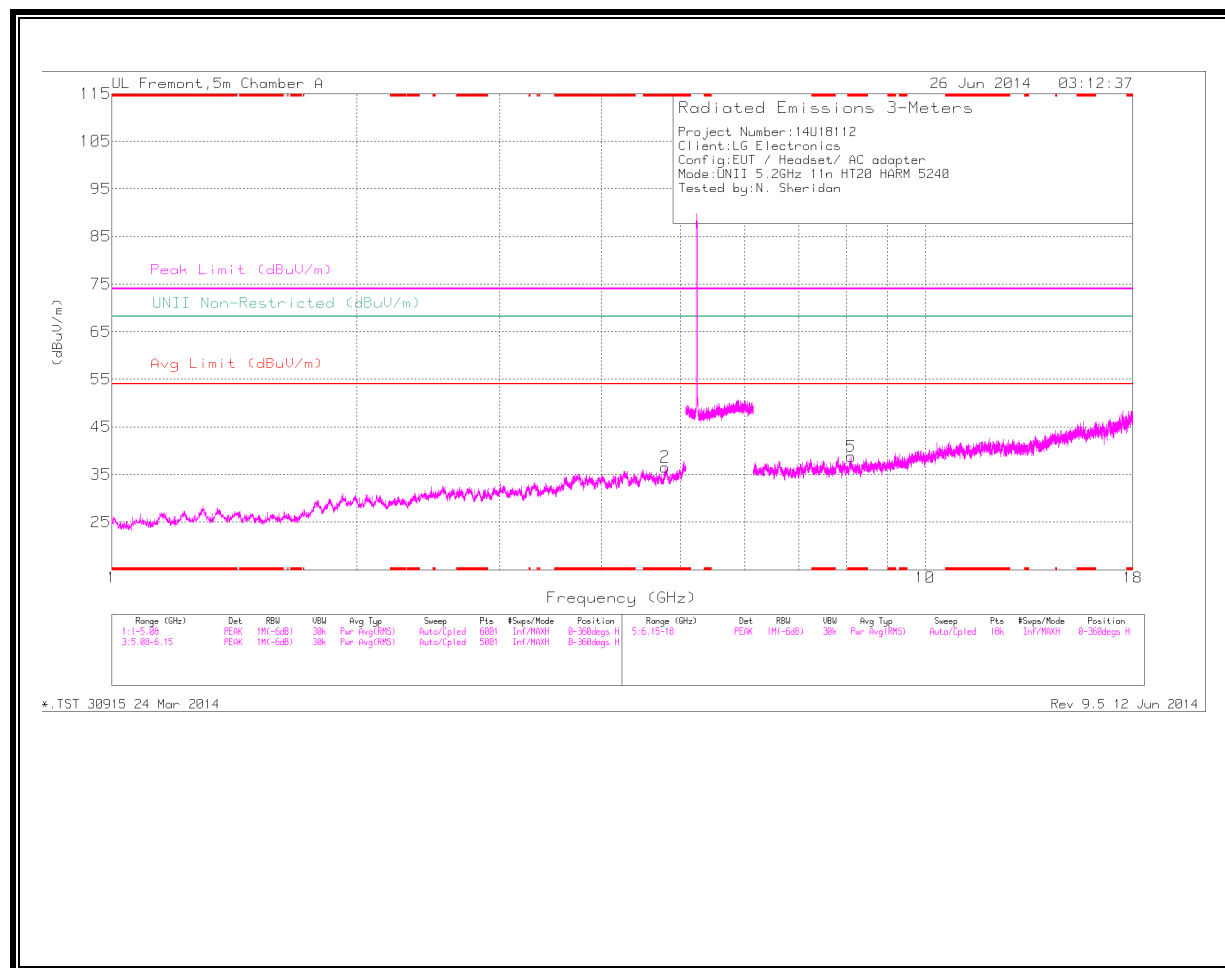
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filr/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
* 4.259	38.44	PK1	34	-28.3	0	44.14	-	-	74	-29.86	-	-	360	202	H
* 4.261	27.45	AD1	34	-28.1	.22	33.57	54	-20.43	-	-	-	-	360	202	H

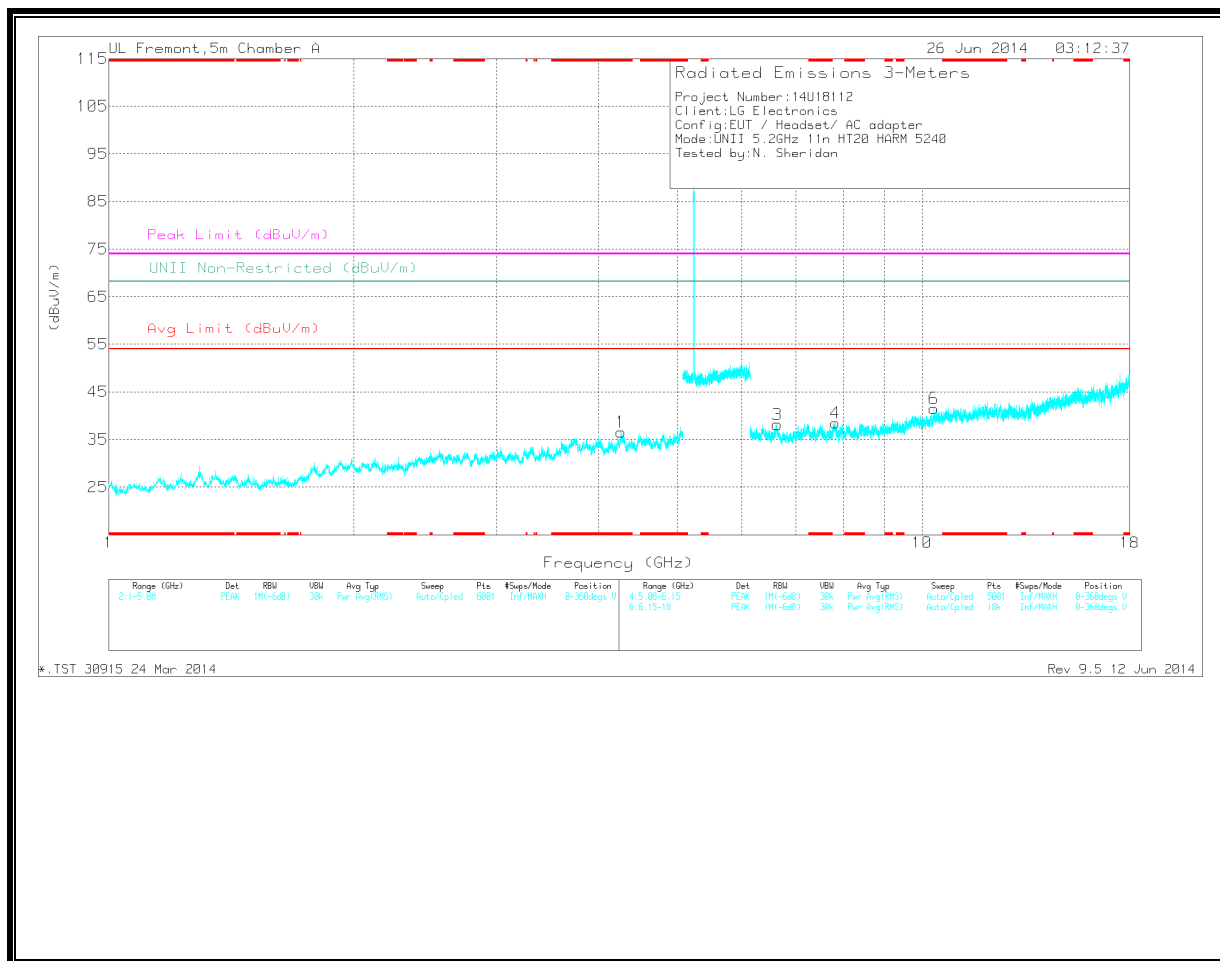
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average



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



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 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
2	* 4.788	32.18	PK	34	-29.6	0	36.58	-	-	74	-37.42	-	-	0-360	100	H
1	* 4.265	30.77	PK	34	-28.2	0	36.57	-	-	74	-37.43	-	-	0-360	201	V
5	* 8.116	28.17	PK	35.5	-24.9	0	38.77	-	-	74	-35.23	-	-	0-360	100	H
3	6.637	28.85	PK	35.4	-26.1	0	38.15	-	-	-	-	68.2	-30.05	0-360	100	V
4	7.82	27.27	PK	35.5	-24.3	0	38.47	-	-	-	-	68.2	-29.73	0-360	100	V
6	10.337	26.53	PK	37.3	-22.3	0	41.53	-	-	-	-	68.2	-26.67	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 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
* 4.265	37.93	PK1	34	-28.2	0	43.73	-	-	74	-30.27	-	-	360	202	V
* 4.266	27.27	AD1	34	-28.3	.22	33.19	54	-20.81	-	-	-	-	360	202	V
* 8.117	35.94	PK1	35.5	-24.9	0	46.54	-	-	74	-27.46	-	-	360	100	H
* 8.117	24.48	AD1	35.5	-24.9	.22	35.3	54	-18.7	-	-	-	-	360	100	H

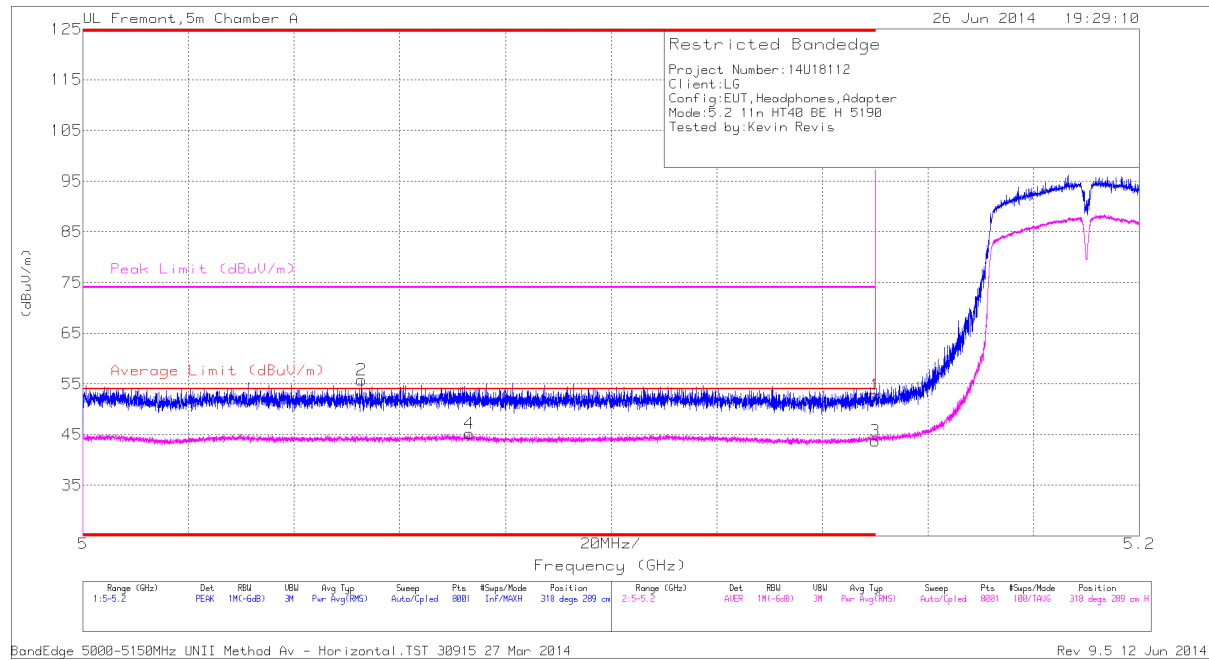
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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

HORIZONTAL



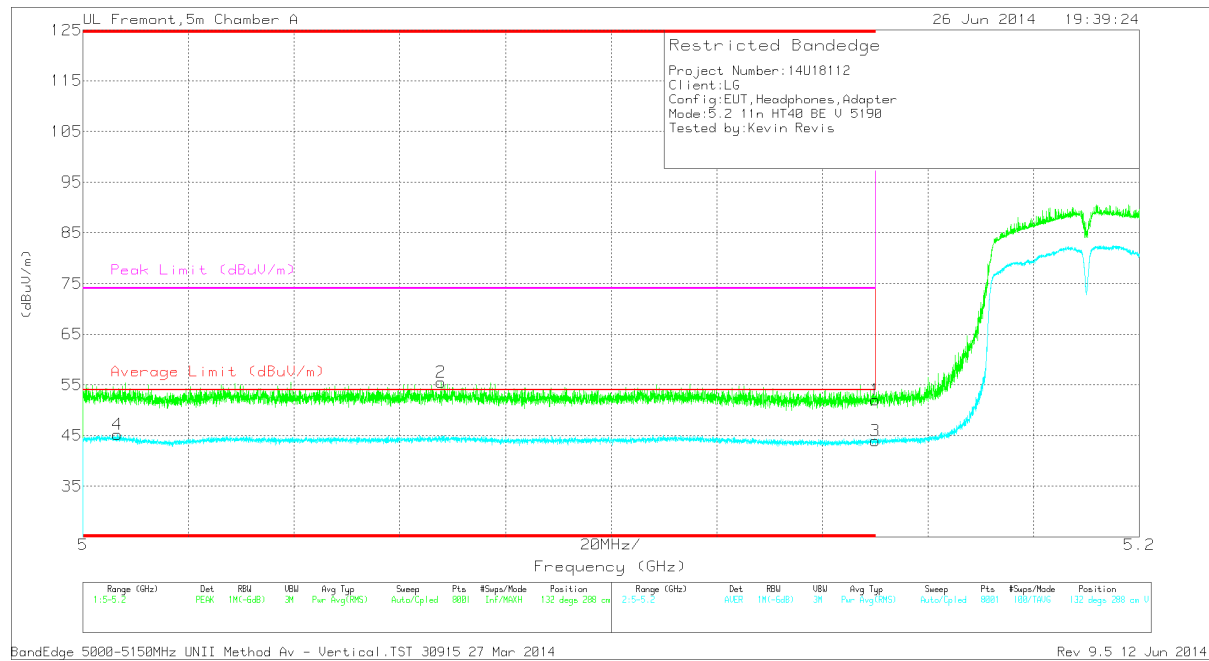
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.31	PK	34	-20.5	0	52.81	-	-	74	-21.19	318	289	H
2	* 5.053	42.24	PK	33.8	-20.3	0	55.74	-	-	74	-18.26	318	289	H
3	* 5.15	29.8	RMS	34	-20.5	.43	43.73	54	-10.27	-	-	318	289	H
4	* 5.073	31.02	RMS	33.8	-20.1	.43	45.15	54	-8.85	-	-	318	289	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 T136 (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	* 5.15	38.57	PK	34	-20.5	0	52.07	-	-	74	-21.93	132	288	V
2	* 5.068	41.71	PK	33.8	-20	0	55.51	-	-	74	-18.49	132	288	V
3	* 5.15	30.03	RMS	34	-20.5	.43	43.96	54	-10.04	-	-	132	288	V
4	* 5.006	30.62	RMS	33.9	-19.7	.43	45.25	54	-8.75	-	-	132	288	V

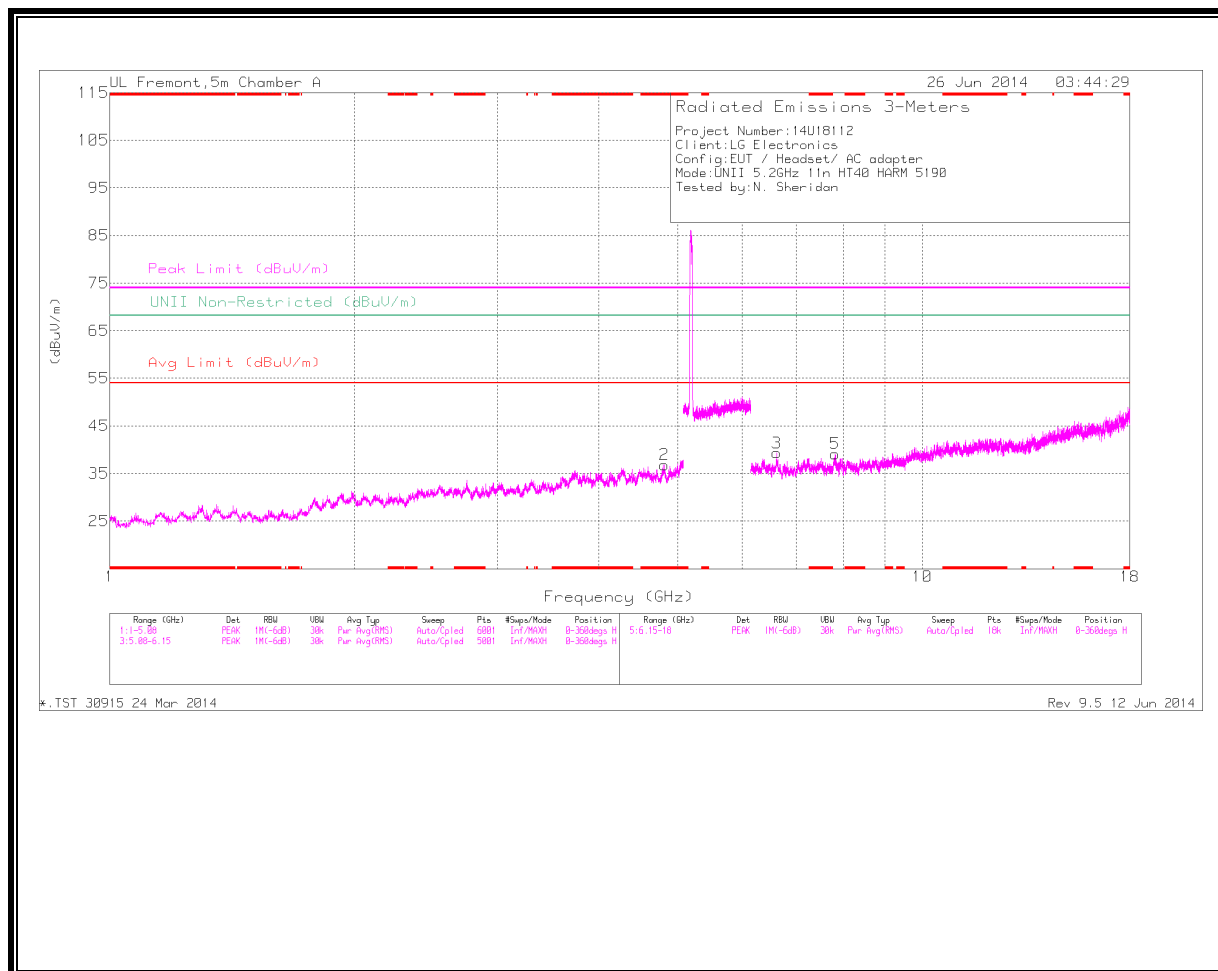
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

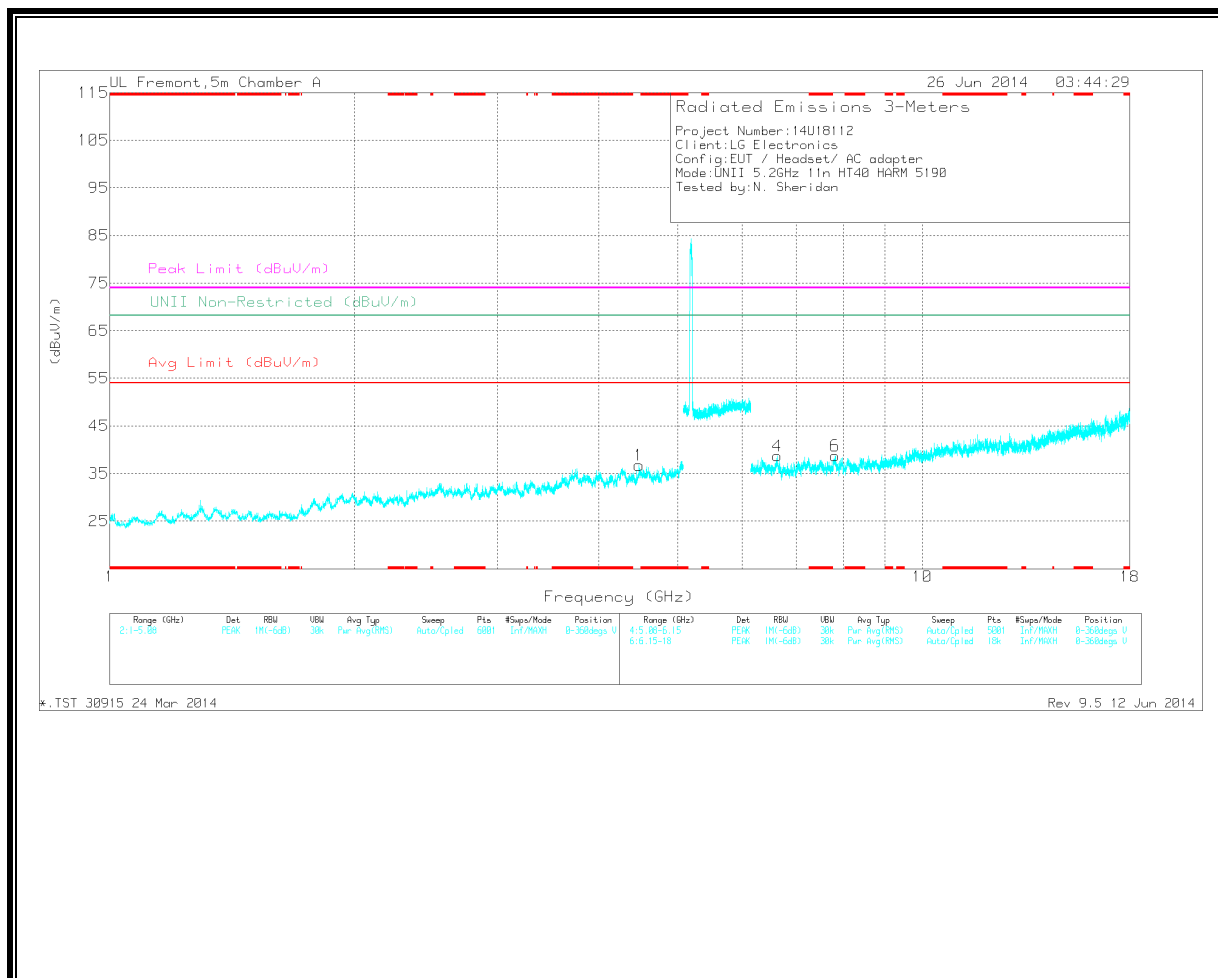
RMS - RMS detection

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.



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/Cb/ 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	* 4.815	31.85	PK	34	-29	0	36.85	-	-	74	-37.15	-	-	0-360	100	H
1	4.482	31.64	PK	33.9	-28.8	0	36.74	-	-	-	-	68.2	-31.46	0-360	201	V
3	6.617	29.53	PK	35.5	-25.7	0	39.33	-	-	-	-	68.2	-28.87	0-360	201	H
4	6.63	29.11	PK	35.4	-25.8	0	38.71	-	-	-	-	68.2	-29.49	0-360	201	V
5	7.807	28.34	PK	35.5	-24.7	0	39.14	-	-	-	-	68.2	-29.06	0-360	100	H
6	7.814	27.74	PK	35.5	-24.5	0	38.74	-	-	-	-	68.2	-29.46	0-360	201	V

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

PK - Peak detector

Radiated Emissions

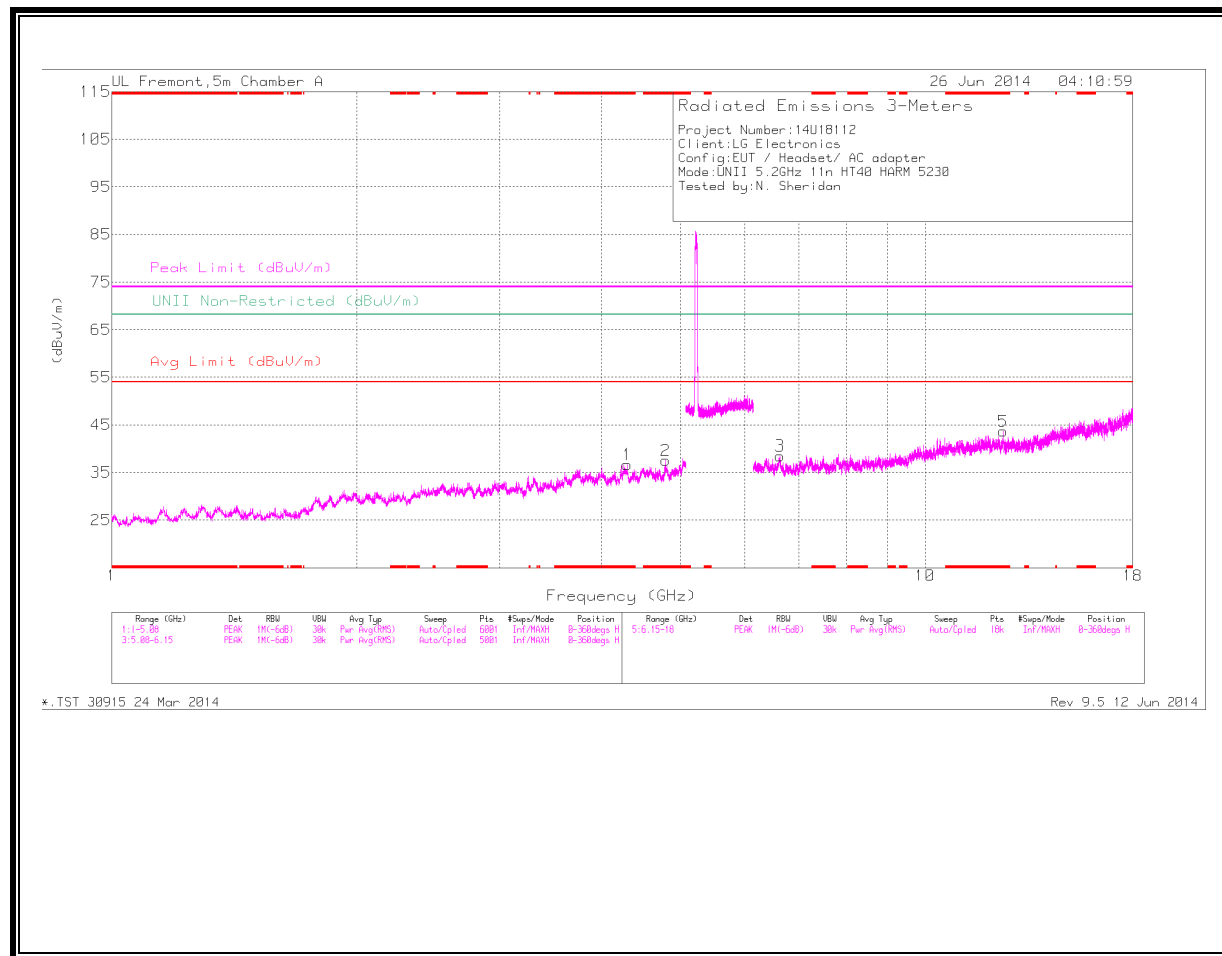
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.814	40.03	PK1	34	-29	0	45.03	-	-	74	-28.97	-	-	360	100	H
* 4.815	28.6	AD1	34	-29	.42	34.02	54	-19.98	-	-	-	-	360	100	H
6.618	36.59	PK1	35.5	-25.8	0	46.29	-	-	-	-	68.2	-21.91	205	107	H
6.619	24.86	AD1	35.5	-25.8	.42	34.98	-	-	-	-	-	-	205	107	H
6.619	23.04	RMS	35.5	-25.8	.42	33.16	-	-	-	-	-	-	205	107	H
6.619	25.3	RMS	35.5	-25.8	.42	35.42	-	-	-	-	-	-	205	107	H

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

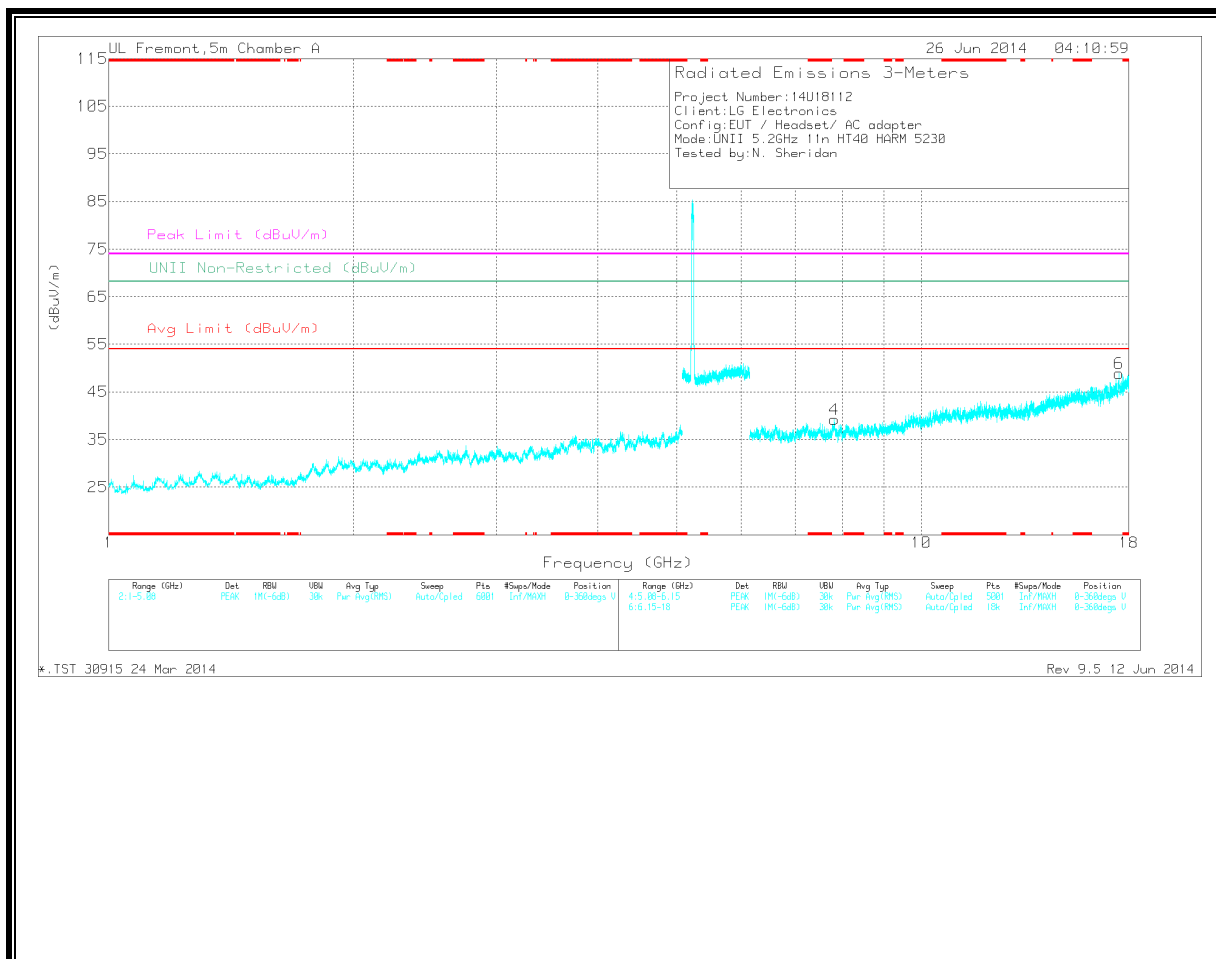
RMS - RMS detection

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average



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



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	* 4.302	32.47	PK	34	-29.8	0	36.67	-	-	74	-37.33	-	-	0-360	201	H
2	* 4.801	32.75	PK	34	-29.2	0	37.55	-	-	74	-36.45	-	-	0-360	201	H
5	* 12.468	26.75	PK	38.8	-21.9	0	43.65	-	-	74	-30.35	-	-	0-360	201	H
3	6.633	28.99	PK	35.4	-25.9	0	38.49	-	-	-	-	68.2	-29.71	0-360	100	H
4	7.815	28.09	PK	35.5	-24.4	0	39.19	-	-	-	-	68.2	-29.01	0-360	100	V
6	17.5	25.87	PK	40.9	-17.9	0	48.87	-	-	-	-	68.2	-19.33	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/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
* 4.799	38.99	PK1	34	-29.2	0	43.79	-	-	74	-30.21	-	-	359	202	H
* 4.799	28.23	AD1	34	-29.2	.42	33.45	54	-20.55	-	-	-	-	359	202	H
* 12.468	33.35	PK1	38.8	-21.9	0	50.25	-	-	74	-23.75	-	-	25	136	H
* 12.47	21.94	AD1	38.8	-21.9	.42	39.26	54	-14.74	-	-	-	-	25	136	H

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

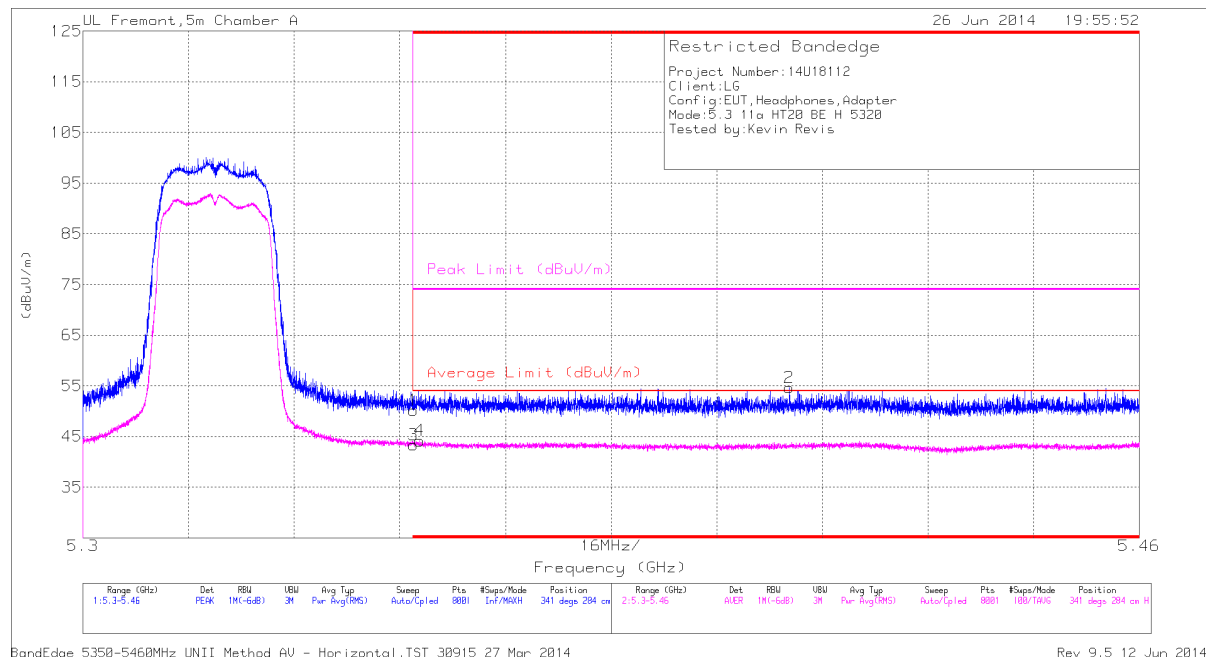
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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



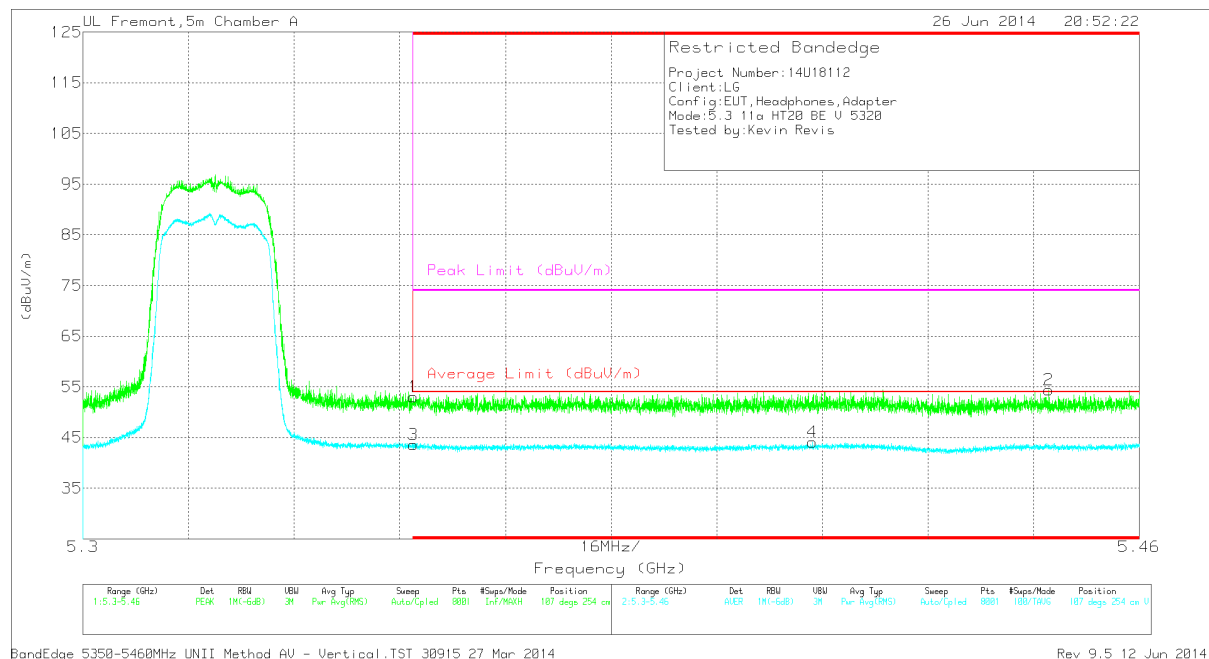
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	35.45	PK	34.3	-19.6	0	50.15	-	-	74	-23.85	341	284	H
3	* 5.35	28.5	RMS	34.3	-19.6	.2	43.39	54	-10.61	-	-	341	284	H
4	* 5.351	29.26	RMS	34.3	-19.6	.2	44.15	54	-9.85	-	-	341	284	H
2	* 5.407	39.89	PK	34.4	-19.7	0	54.59	-	-	74	-19.41	341	284	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 T136 (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	38.28	PK	34.3	-19.6	0	52.98	-	-	74	-21.02	107	254	V
3	* 5.35	28.75	RMS	34.3	-19.6	.2	43.64	54	-10.36	-	-	107	254	V
4	* 5.41	29.04	RMS	34.4	-19.6	.2	44.03	54	-9.97	-	-	107	254	V
2	* 5.446	40.01	PK	34.4	-20	0	54.41	-	-	74	-19.59	107	254	V

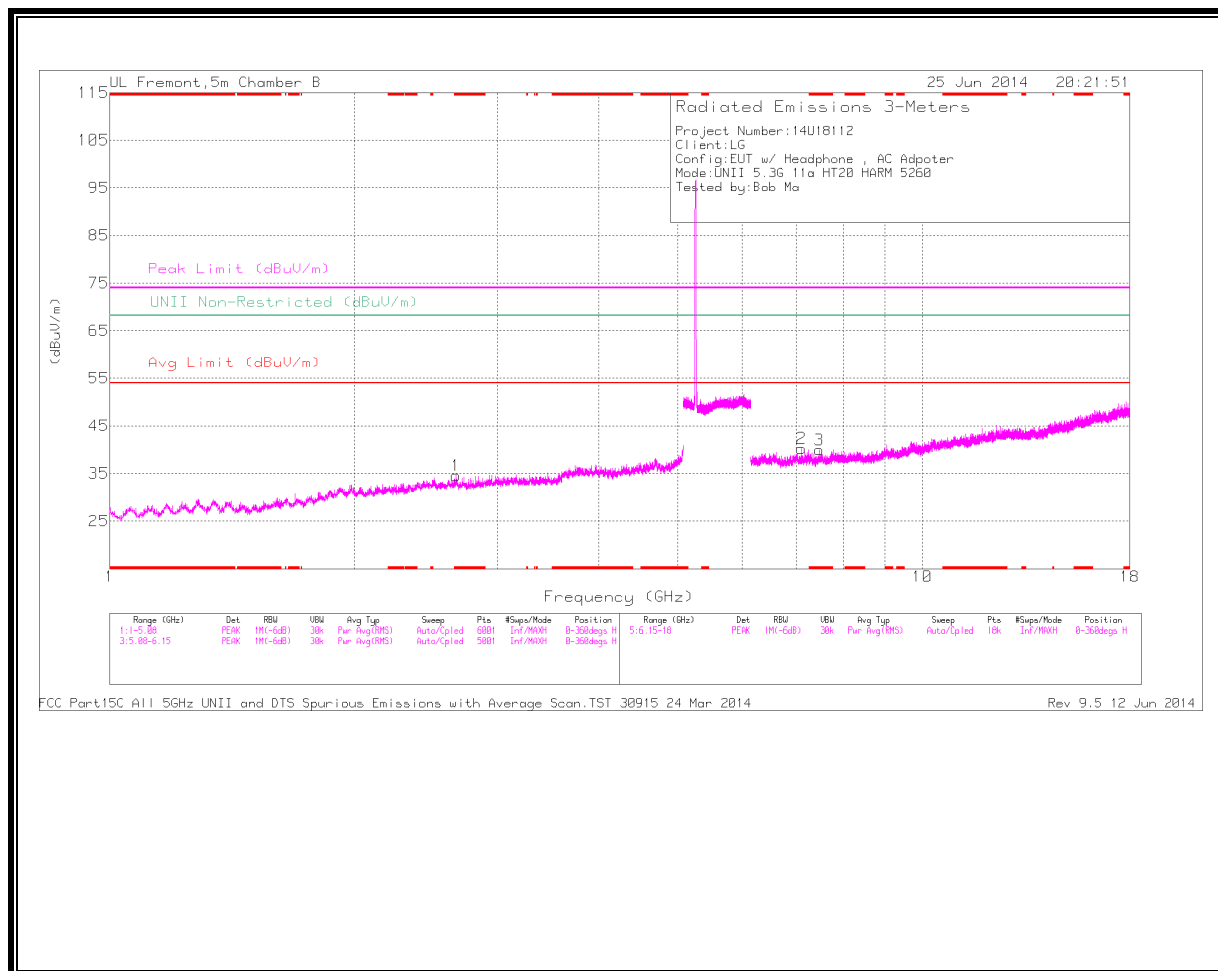
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

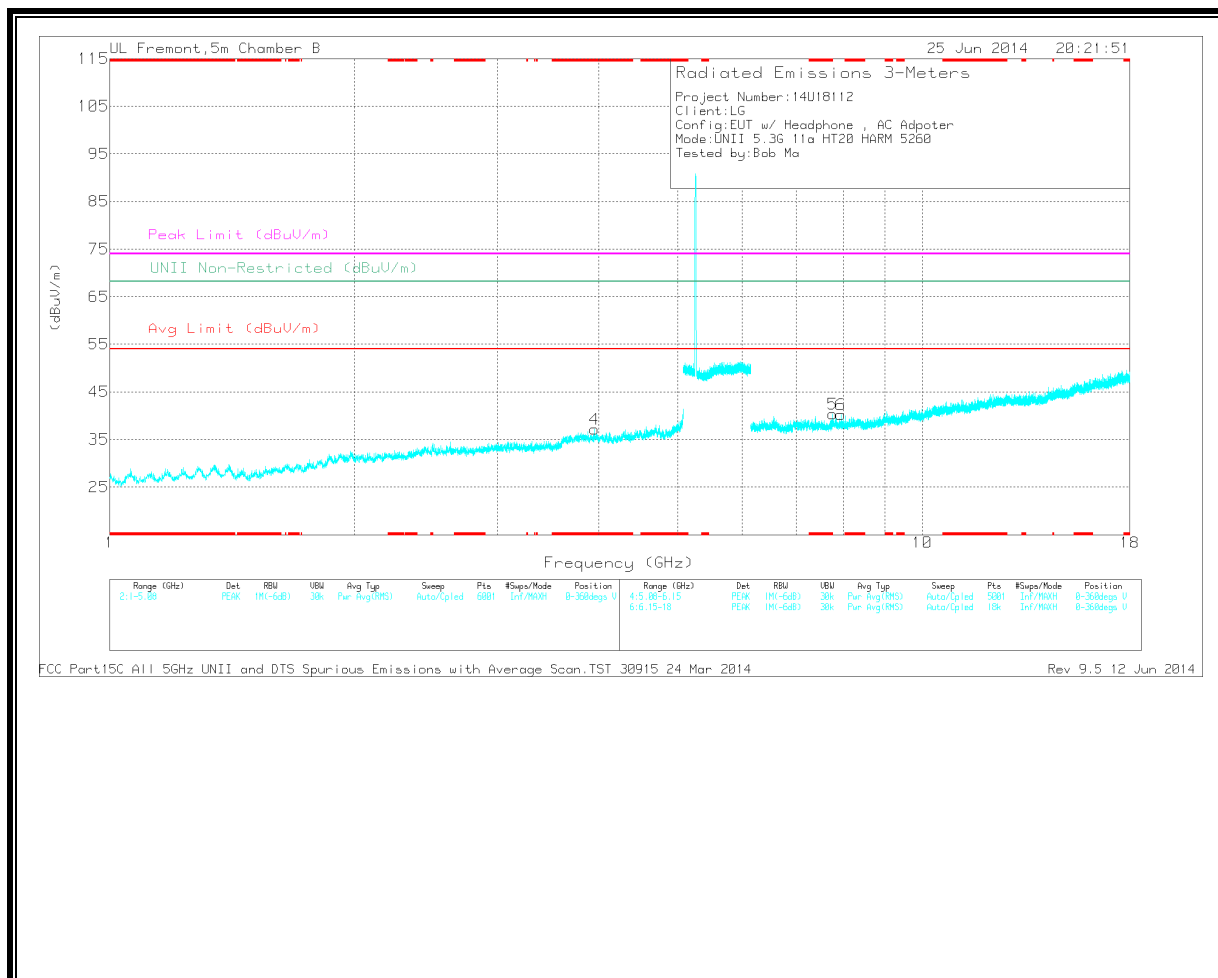
RMS - RMS detection

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.



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
1	* 2.669	34.16	PK	32.3	-31.9	0	34.56	-	-	74	-39.44	-	-	0-360	101	H
4	* 3.951	34.05	PK	33.7	-30.6	0	37.15	-	-	74	-36.85	-	-	0-360	196	V
3	* 7.467	30.86	PK	35.6	-26.5	0	39.96	-	-	74	-34.04	-	-	0-360	206	H
2	7.099	33.07	PK	35.6	-28.4	0	40.27	-	-	-	-	68.2	-27.93	0-360	206	H
5	7.76	31.25	PK	35.7	-26.6	0	40.35	-	-	-	-	68.2	-27.85	0-360	194	V
6	7.939	31.5	PK	35.7	-27	0	40.2	-	-	-	-	68.2	-28	0-360	194	V

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

PK - Peak detector

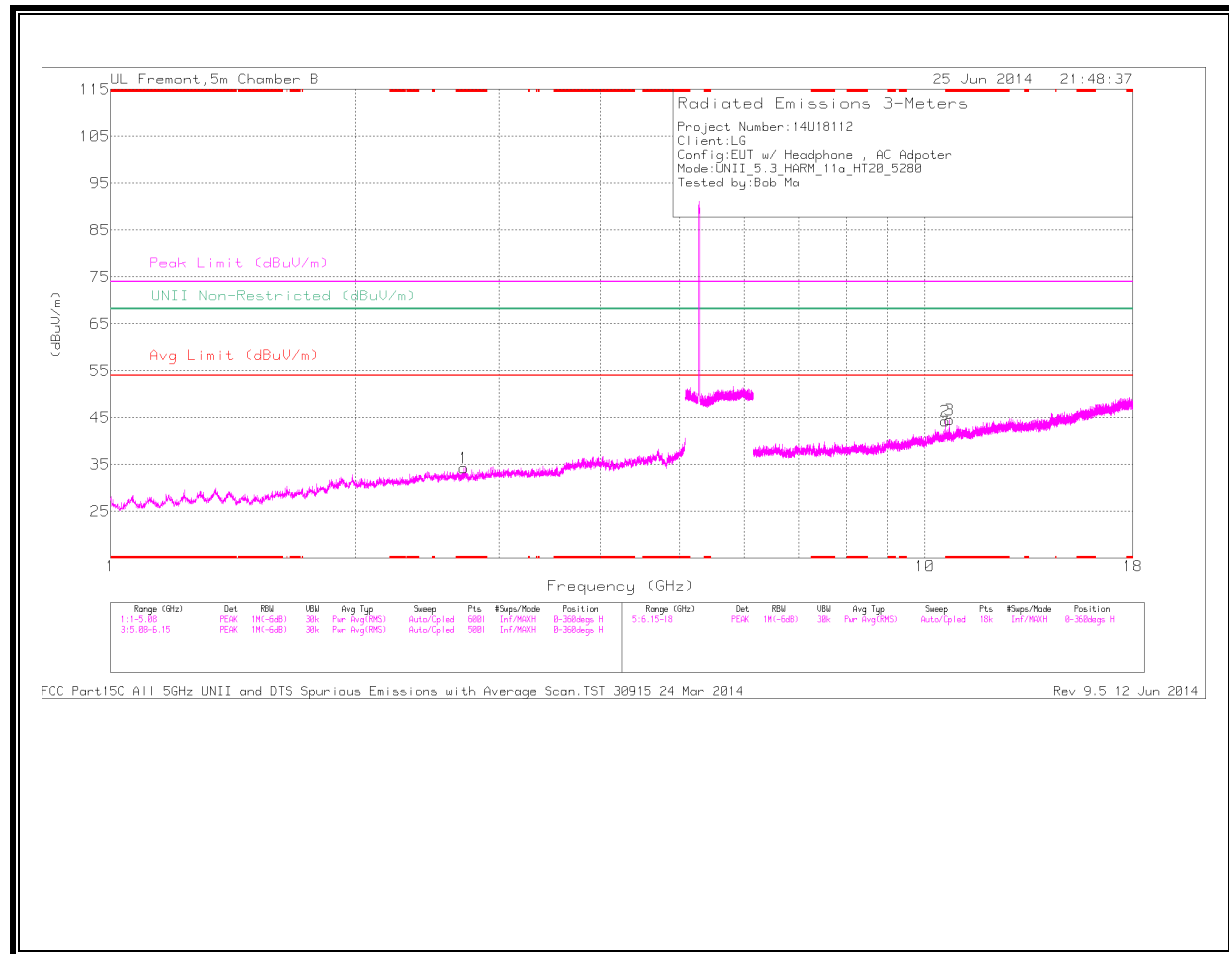
Radiated Emissions

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
* 2.669	41.51	PK1	32.3	-31.9	0	41.91	-	-	74	-32.09	-	-	360	102	H
* 2.669	30.06	AD1	32.3	-31.9	.2	30.66	54	-23.34	-	-	-	-	360	102	H
* 3.949	41.17	PK1	33.7	-30.7	0	44.17	-	-	74	-29.83	-	-	360	202	V
* 3.952	29.9	AD1	33.7	-30.6	.2	33.2	54	-20.8	-	-	-	-	360	202	V
* 7.466	37.88	PK1	35.6	-26.5	0	46.98	-	-	74	-27.02	-	-	360	200	H
* 7.467	26.91	AD1	35.6	-26.5	.2	36.21	54	-17.79	-	-	-	-	360	200	H
* 7.468	37.34	PK1	35.6	-26.5	0	46.44	-	-	74	-27.56	-	-	360	202	H
* 7.465	26.87	AD1	35.6	-26.5	.2	36.17	54	-17.83	-	-	-	-	360	202	H
7.1	28.32	AD1	35.6	-28.4	.2	35.72	-	-	-	-	-	-	360	213	H
7.101	39.96	PK1	35.6	-28.3	0	47.26	-	-	-	-	68.2	-20.94	360	213	H
7.758	27.05	AD1	35.7	-26.6	.2	36.35	-	-	-	-	-	-	360	189	V
7.761	38.05	PK1	35.7	-26.6	0	47.15	-	-	-	-	68.2	-21.05	360	189	V
7.938	37.82	PK1	35.7	-27	0	46.52	-	-	-	-	68.2	-21.68	360	200	V
7.938	27.04	AD1	35.7	-27	.2	35.94	-	-	-	-	-	-	360	200	V

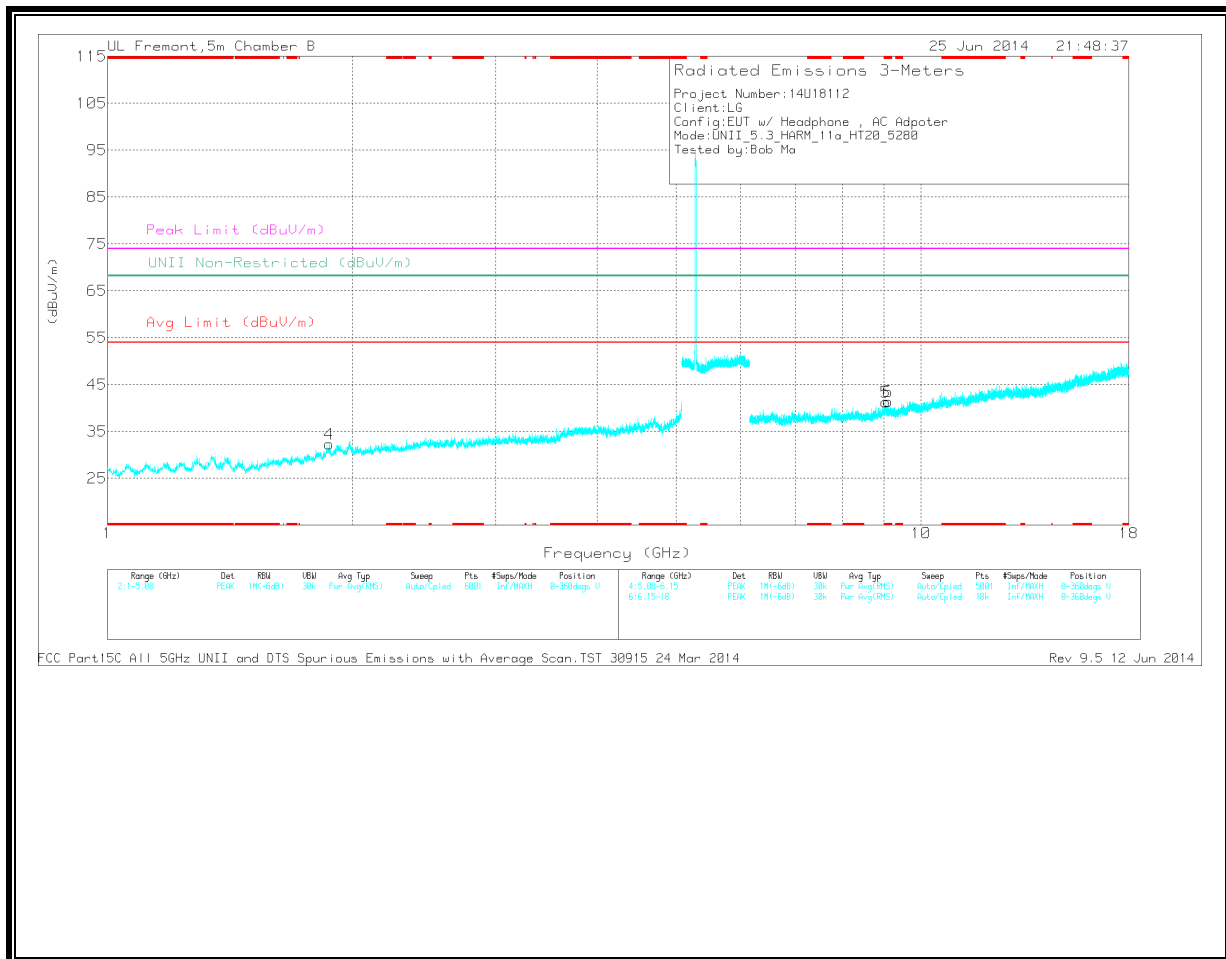
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average



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



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/Plt/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	* 2.715	34.01	PK	32.2	-31.9	0	34.31	-	-	74	-39.69	-	-	0-360	99	H
3	* 10.73	29.69	PK	37.8	-23	0	44.49	-	-	74	-29.51	-	-	0-360	206	H
5	* 9.044	29.59	PK	36.2	-24.5	0	41.29	-	-	74	-32.71	-	-	0-360	193	V
6	* 9.101	30.08	PK	36.3	-25	0	41.38	-	-	74	-32.62	-	-	0-360	99	V
4	1.874	34.73	PK	30.8	-33.2	0	32.33	-	-	-	-	68.2	-35.87	0-360	194	V
2	10.59	29.56	PK	37.6	-22.9	0	44.26	-	-	-	-	68.2	-23.94	0-360	206	H

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

PK - Peak detector

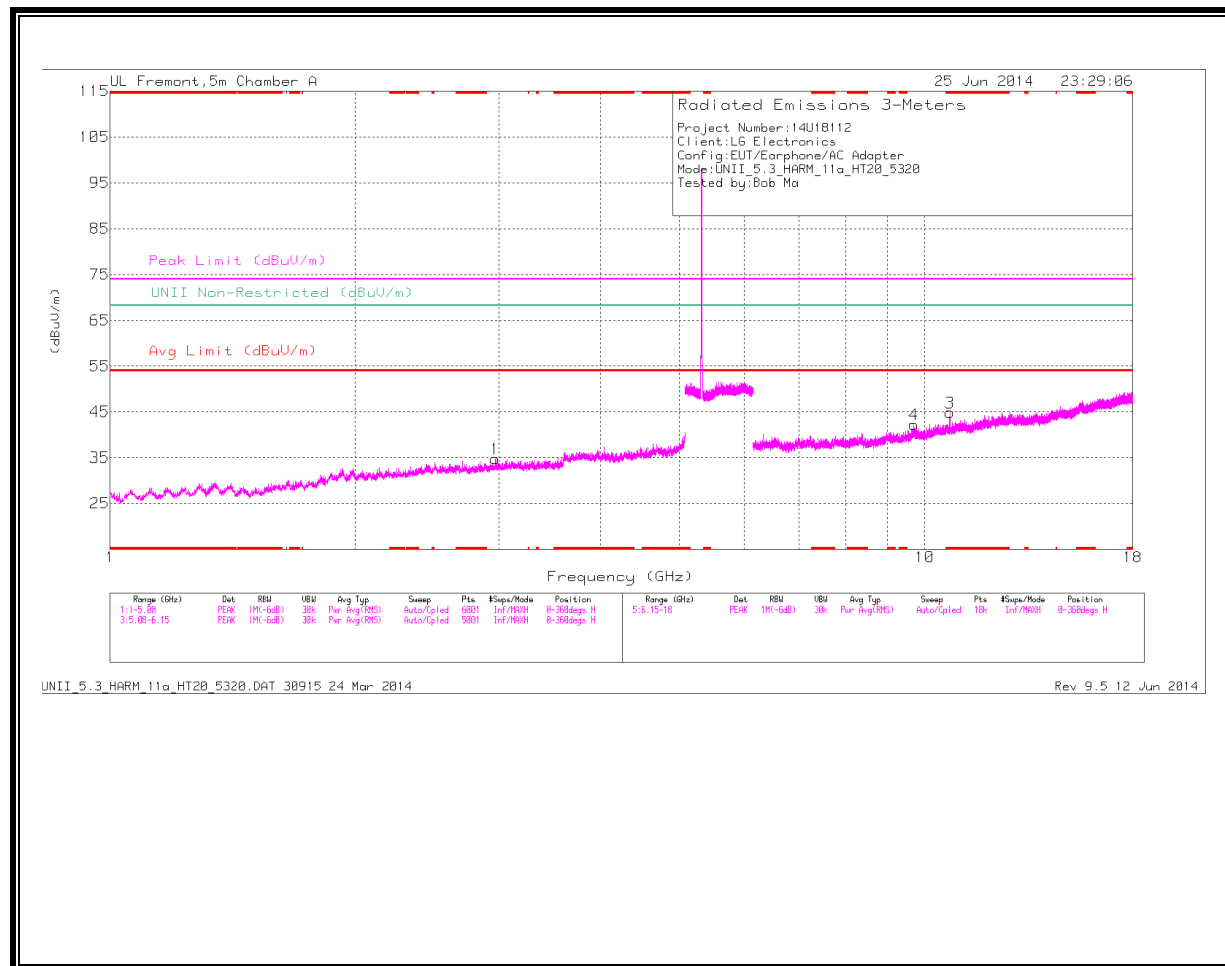
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Plt/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
* 2.714	40.87	PK1	32.2	-31.9	0	41.17	-	-	74	-32.83	-	-	359	100	H
* 2.715	29.58	AD1	32.2	-31.9	.2	30.06	54	-23.94	-	-	-	-	359	100	H
* 10.729	34.14	PK1	37.8	-23	0	48.94	-	-	74	-25.06	-	-	359	207	H
* 10.732	23.7	AD1	37.8	-23	.2	38.68	54	-15.32	-	-	-	-	359	207	H
* 9.042	36.26	PK1	36.2	-24.5	0	47.96	-	-	74	-26.04	-	-	359	187	V
* 9.045	25.68	AD1	36.2	-24.5	.2	37.56	54	-16.44	-	-	-	-	359	187	V
* 9.1	36.53	PK1	36.3	-25	0	47.83	-	-	74	-26.17	-	-	359	100	V
* 9.102	25.69	AD1	36.3	-25	.2	37.17	54	-16.83	-	-	-	-	359	100	V
1.872	30.64	AD1	30.8	-33.2	.2	28.42	-	-	-	-	-	-	359	203	V
1.873	42.1	PK1	30.8	-33.2	0	39.7	-	-	-	-	68.2	-28.5	359	203	V
10.588	23.69	AD1	37.6	-22.9	.2	38.57	-	-	-	-	-	-	359	207	H
10.589	34.75	PK1	37.6	-22.9	0	49.45	-	-	-	-	68.2	-18.75	359	207	H

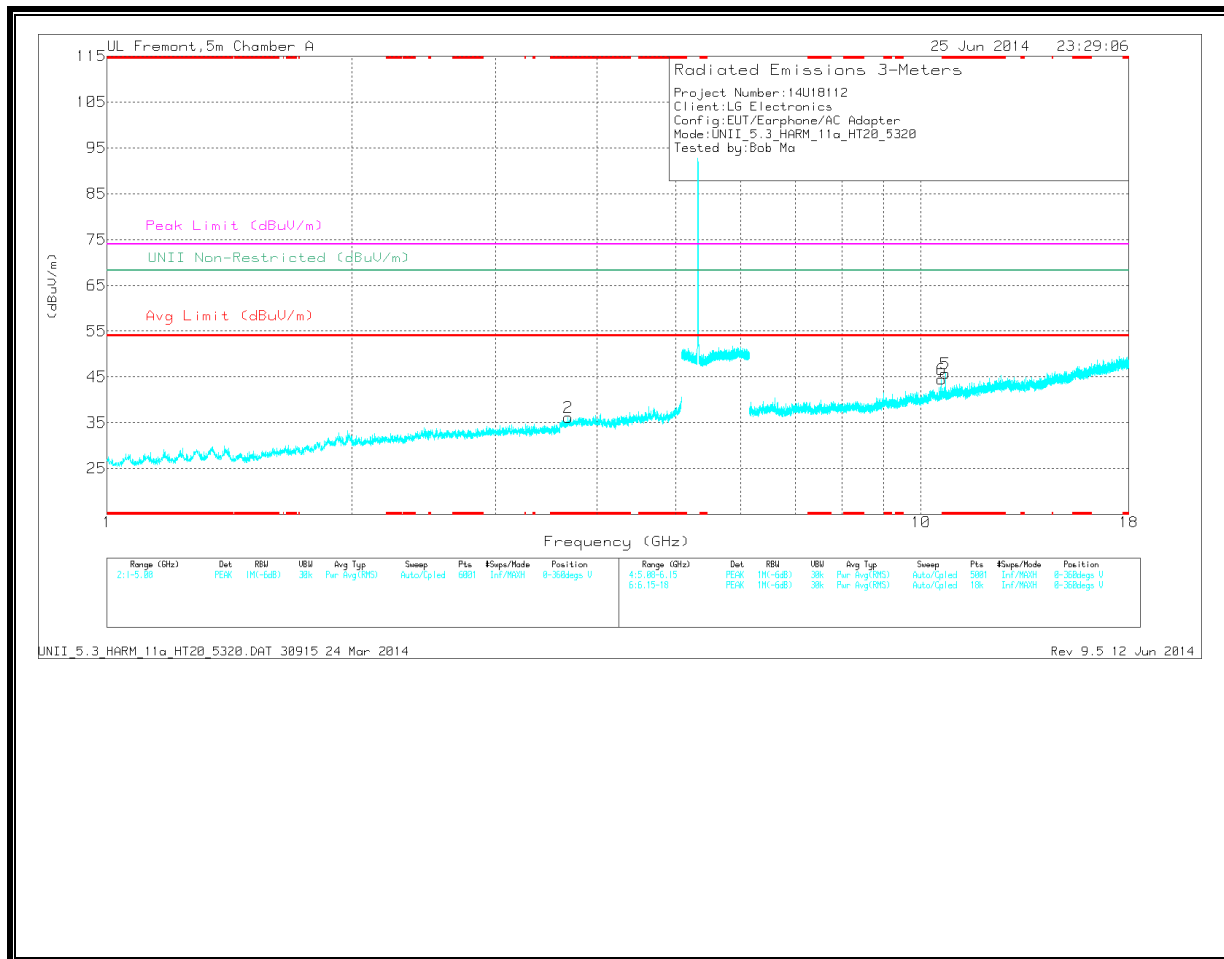
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average



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



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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T34S (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	* 3.685	34.16	PK	33.3	-31.3	0	36.16	-	-	74	-37.84	-	-	0-360	196	V
3	* 10.73	30.07	PK	37.8	-23	0	44.87	-	-	74	-29.13	-	-	0-360	205	H
5	* 10.717	30.79	PK	37.8	-22.8	0	45.79	-	-	74	-28.21	-	-	0-360	99	V
1	2.971	33.99	PK	32.7	-31.9	0	34.79	-	-	-	-	68.2	-33.41	0-360	209	H
4	9.696	29.02	PK	36.9	-23.7	0	42.22	-	-	-	-	68.2	-25.98	0-360	205	H
6	10.59	29.76	PK	37.6	-22.9	0	44.46	-	-	-	-	68.2	-23.74	0-360	99	V

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

PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T34S (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
* 3.683	41.54	PK1	33.3	-31.3	0	43.54	-	-	74	-30.46	-	-	359	192	V
* 3.684	30.32	AD1	33.3	-31.3	.2	32.5	54	-21.5	-	-	-	-	359	192	V
* 10.731	34.73	PK1	37.8	-23	0	49.53	-	-	74	-24.47	-	-	359	214	H
* 10.731	23.59	AD1	37.8	-23	.2	38.57	54	-15.43	-	-	-	-	359	214	H
* 10.716	34.8	PK1	37.8	-22.7	0	49.9	-	-	74	-24.1	-	-	359	100	V
* 10.716	23.53	AD1	37.8	-22.7	.2	38.81	54	-15.19	-	-	-	-	359	100	V
* 10.716	24.89	RMS	37.8	-22.7	.2	40.17	-	-	-	-	-	-	359	100	V
2.971	41.31	PK1	32.7	-31.9	0	42.11	-	-	-	-	68.2	-26.09	359	217	H
2.973	29.44	AD1	32.7	-31.8	.2	30.52	-	-	-	-	-	-	359	217	H
9.696	35.95	PK1	36.9	-23.7	0	49.15	-	-	-	-	68.2	-19.05	359	200	H
9.698	25.03	AD1	36.9	-23.6	.2	38.51	-	-	-	-	-	-	359	200	H
10.59	34.57	PK1	37.6	-22.9	0	49.27	-	-	-	-	68.2	-18.93	359	100	V
10.591	34.53	PK1	37.6	-22.9	0	49.23	-	-	-	-	68.2	-18.97	359	100	V
10.591	23.7	AD1	37.6	-22.8	.2	38.68	-	-	-	-	-	-	359	100	V
10.591	24.54	RMS	37.6	-22.8	.2	39.52	-	-	-	-	-	-	359	100	V
10.591	23.7	AD1	37.6	-22.9	.2	38.58	-	-	-	-	-	-	359	100	V

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

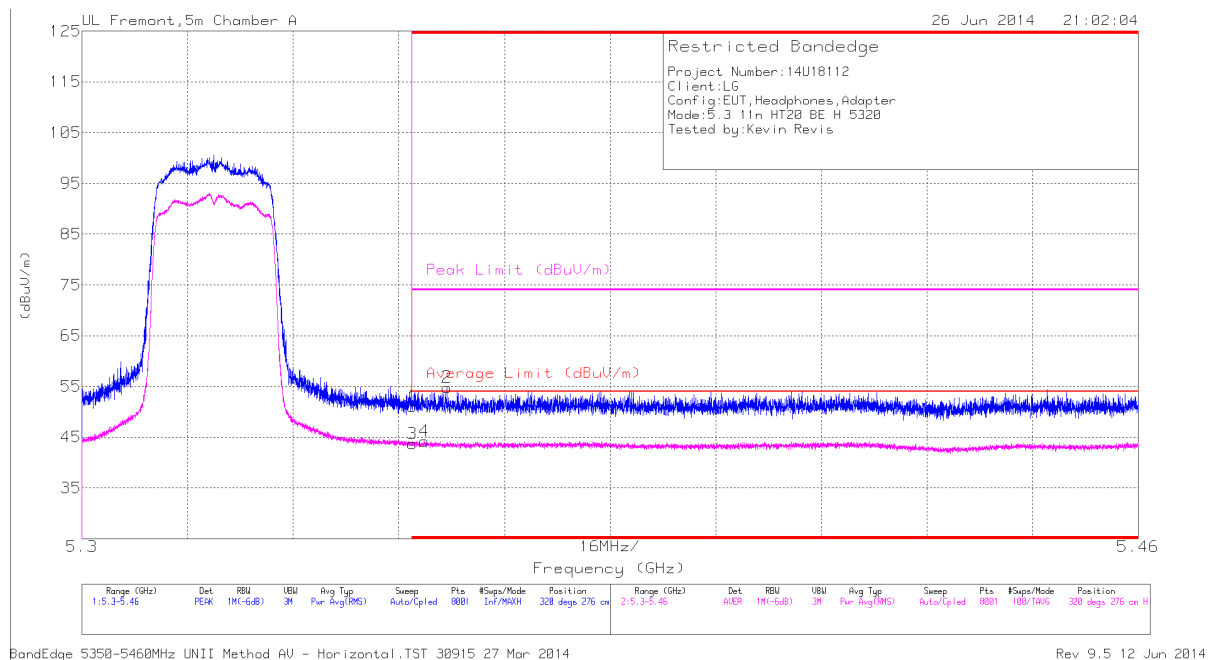
RMS - RMS detection

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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

HORIZONTAL



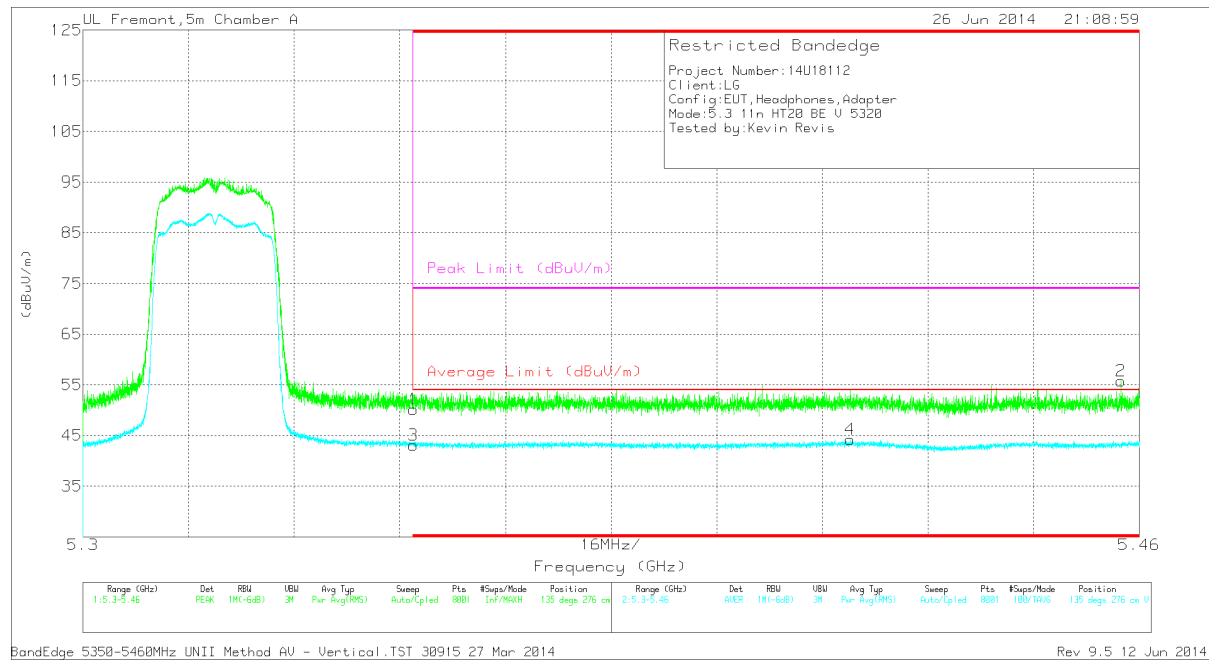
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.36	PK	34.3	-19.6	0	51.06	-	-	74	-22.94	320	276	H
3	* 5.35	28.78	RMS	34.3	-19.6	.22	43.7	54	-10.3	-	-	320	276	H
4	* 5.352	29.44	RMS	34.3	-19.7	.22	44.26	54	-9.74	-	-	320	276	H
2	* 5.355	40.32	PK	34.3	-19.8	0	54.82	-	-	74	-19.18	320	276	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 T136 (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	35.51	PK	34.3	-19.6	0	50.21	-	-	74	-23.79	135	276	V
3	* 5.35	28.2	RMS	34.3	-19.6	.22	43.12	54	-10.88	-	-	135	276	V
4	* 5.416	29.15	RMS	34.4	-19.6	.22	44.17	54	-9.83	-	-	135	276	V
2	* 5.457	41.27	PK	34.4	-19.9	0	55.77	-	-	74	-18.23	135	276	V

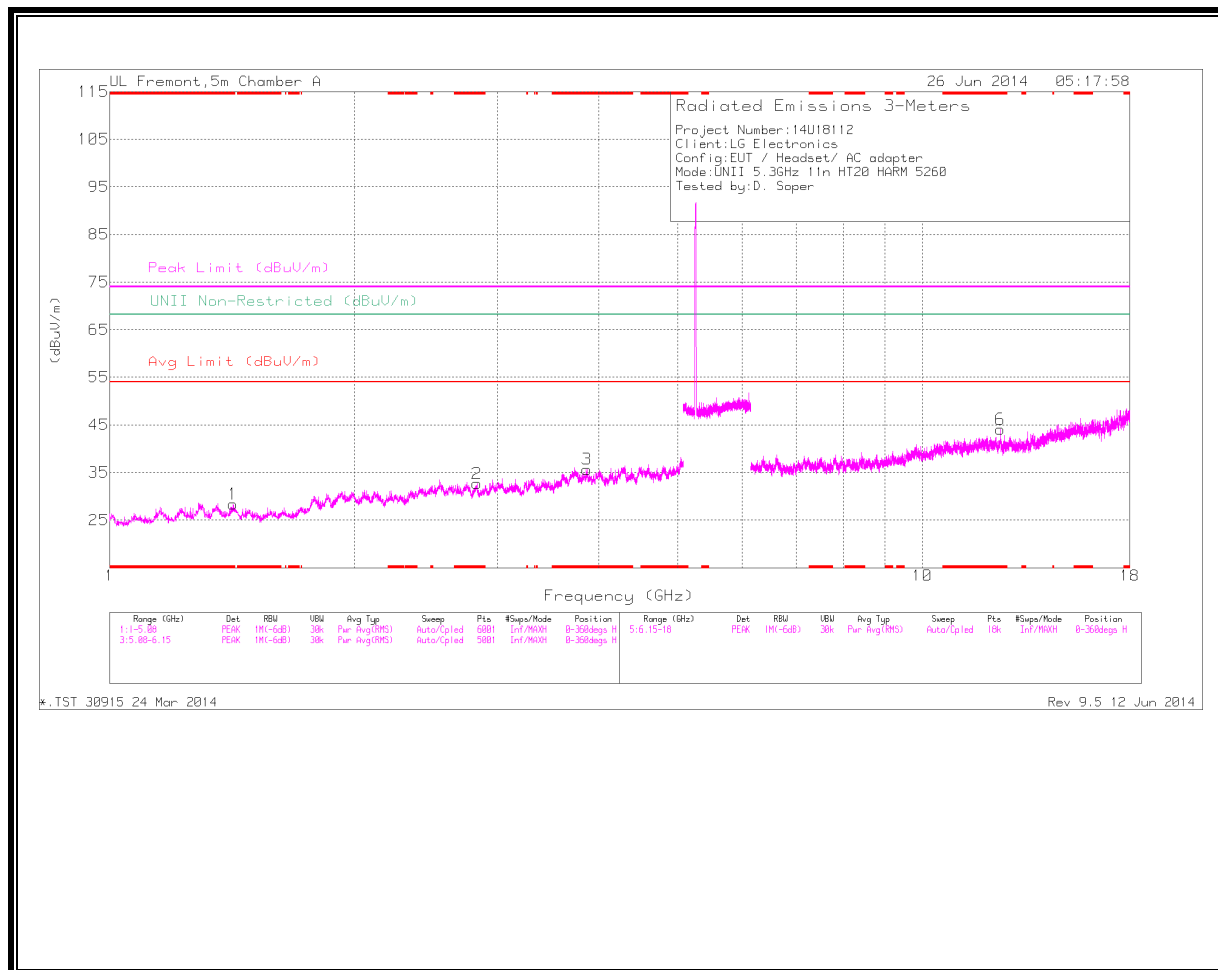
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

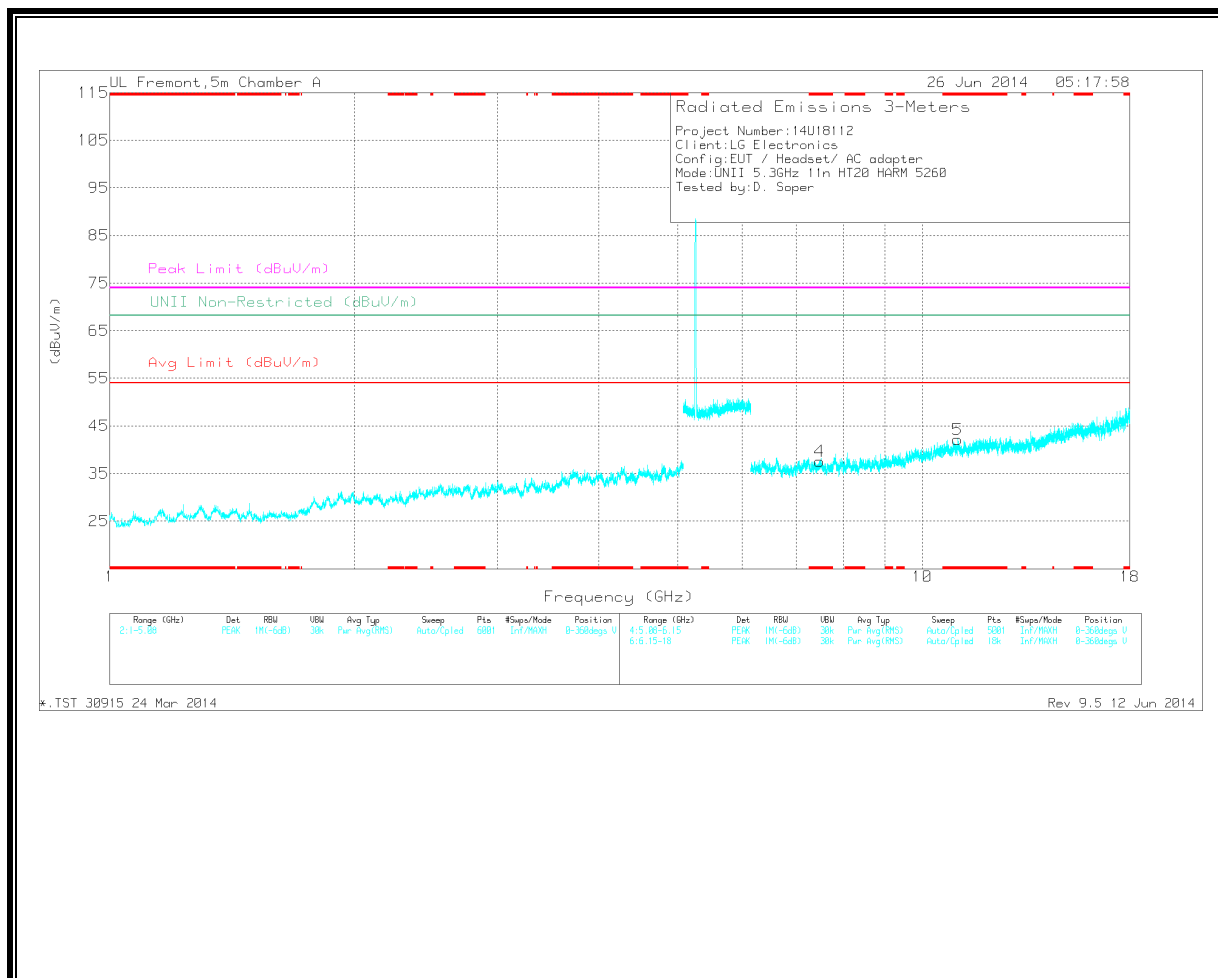
RMS - RMS detection

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.



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
1	* 1.419	35.28	PK	29.6	-36.5	0	28.38	-	-	74	-45.62	-	-	0-360	100	H
2	* 2.831	33.09	PK	32.6	-33	0	32.69	-	-	74	-41.31	-	-	0-360	100	H
3	* 3.866	32.69	PK	33.7	-30.7	0	35.69	-	-	74	-38.31	-	-	0-360	100	H
6	* 12.476	27.39	PK	38.9	-22.2	0	44.09	-	-	74	-29.91	-	-	0-360	201	H
4	* 7.474	28.18	PK	35.3	-25.9	0	37.58	-	-	74	-36.42	-	-	0-360	201	V
5	* 11.049	26.33	PK	37.7	-21.9	0	42.13	-	-	74	-31.87	-	-	0-360	201	V

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

PK - Peak detector

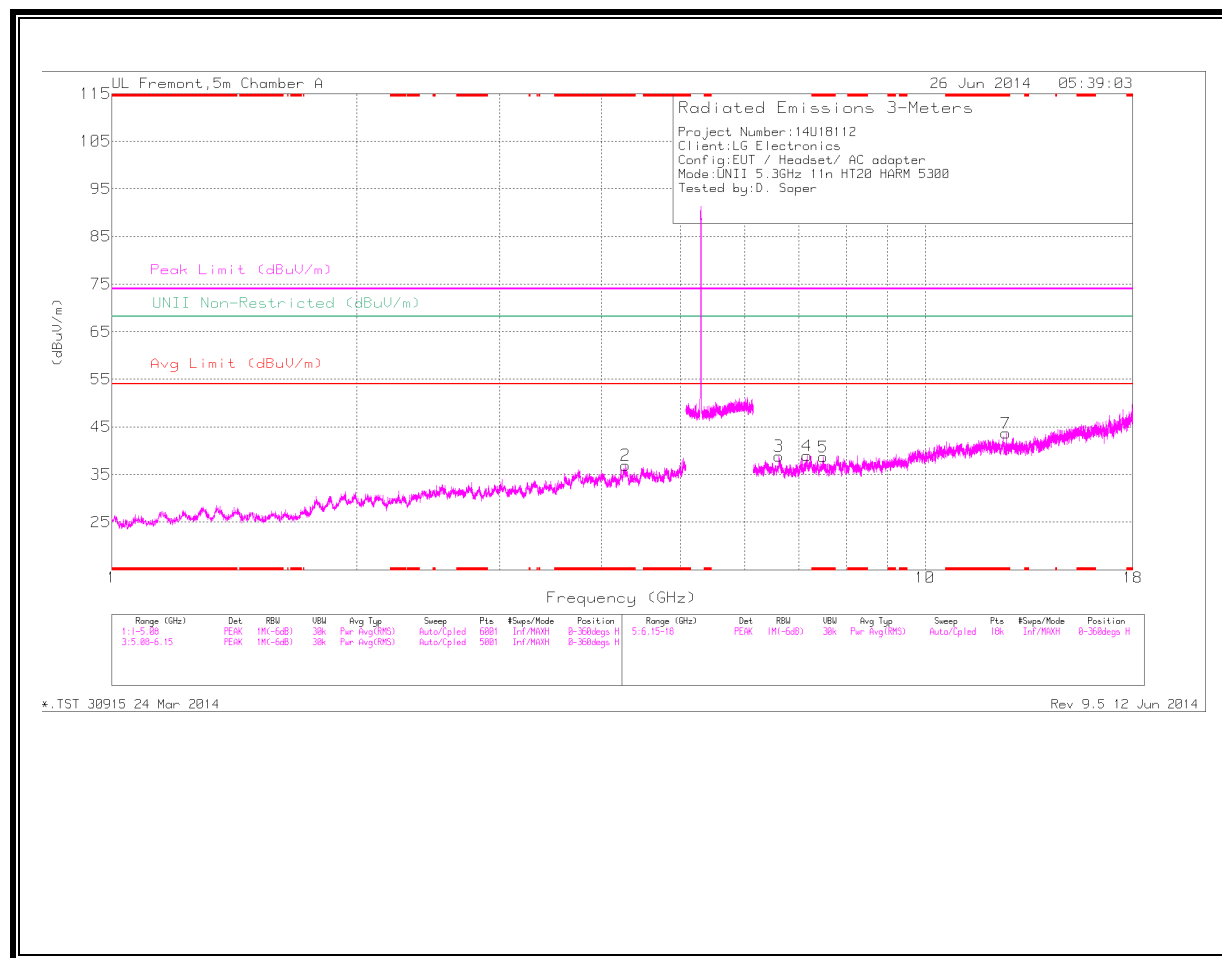
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF 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
* 11.049	33.35	PK1	37.7	-21.9	0	49.15	-	-	74	-24.85	-	-	1	202	V
* 11.048	22.38	AD1	37.7	-22	.22	38.38	54	-15.62	-	-	-	-	1	202	V

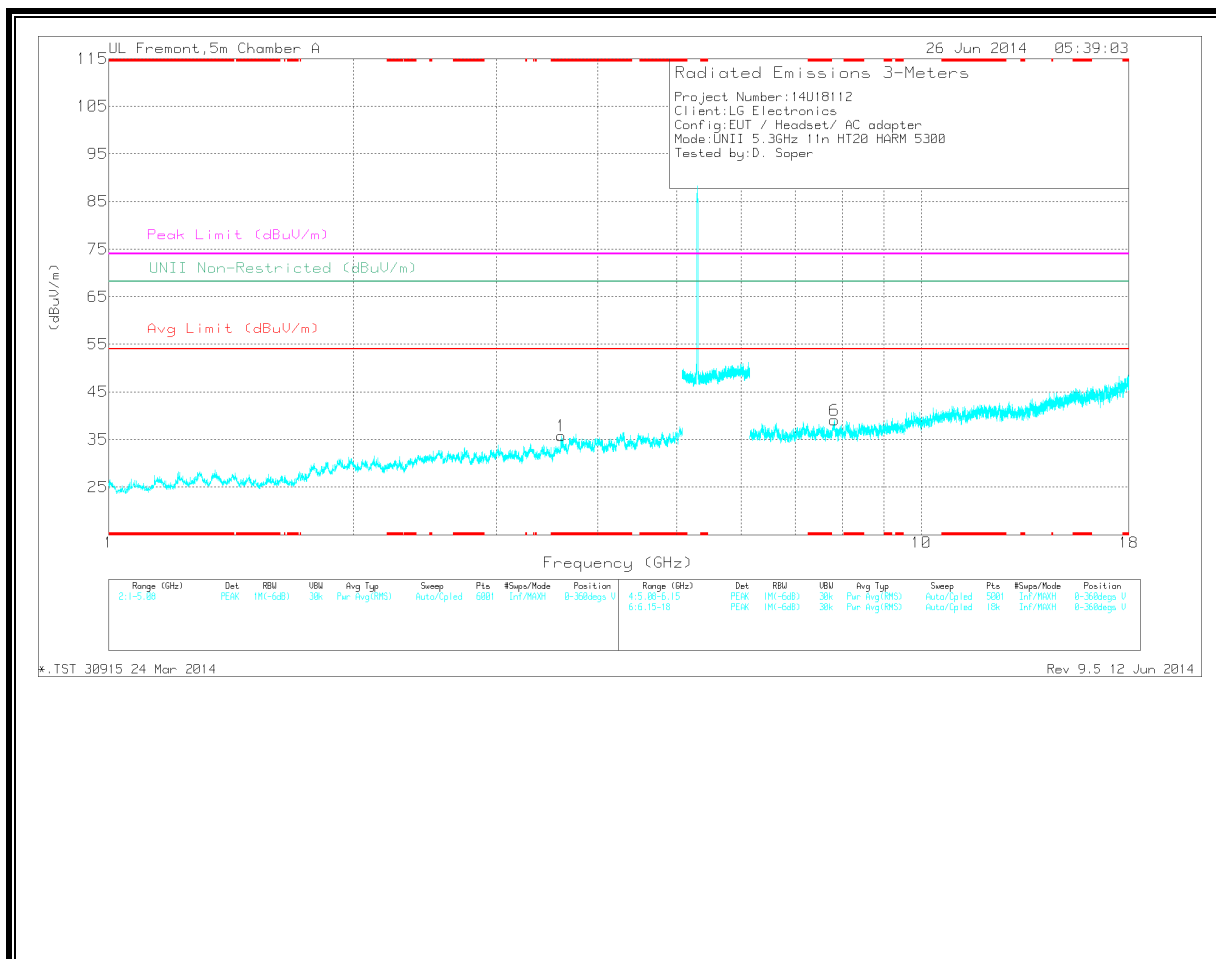
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average



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



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
2	* 4.282	31.64	PK	34	-28.7	0	36.94	-	-	74	-37.06	-	-	0-360	201	H
1	* 3.604	33.68	PK	33.2	-31.1	0	35.78	-	-	74	-38.22	-	-	0-360	201	V
5	* 7.498	28.4	PK	35.3	-25	0	38.7	-	-	74	-35.3	-	-	0-360	100	H
7	* 12.57	27.36	PK	39	-22.7	0	43.66	-	-	74	-30.34	-	-	0-360	100	H
3	6.613	28.97	PK	35.5	-25.6	0	38.87	-	-	-	-	68.2	-29.33	0-360	201	H
4	7.16	29.76	PK	35.3	-26.1	0	38.96	-	-	-	-	68.2	-29.24	0-360	100	H
6	7.817	27.98	PK	35.5	-24.4	0	39.08	-	-	-	-	68.2	-29.12	0-360	201	V

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

PK - Peak detector

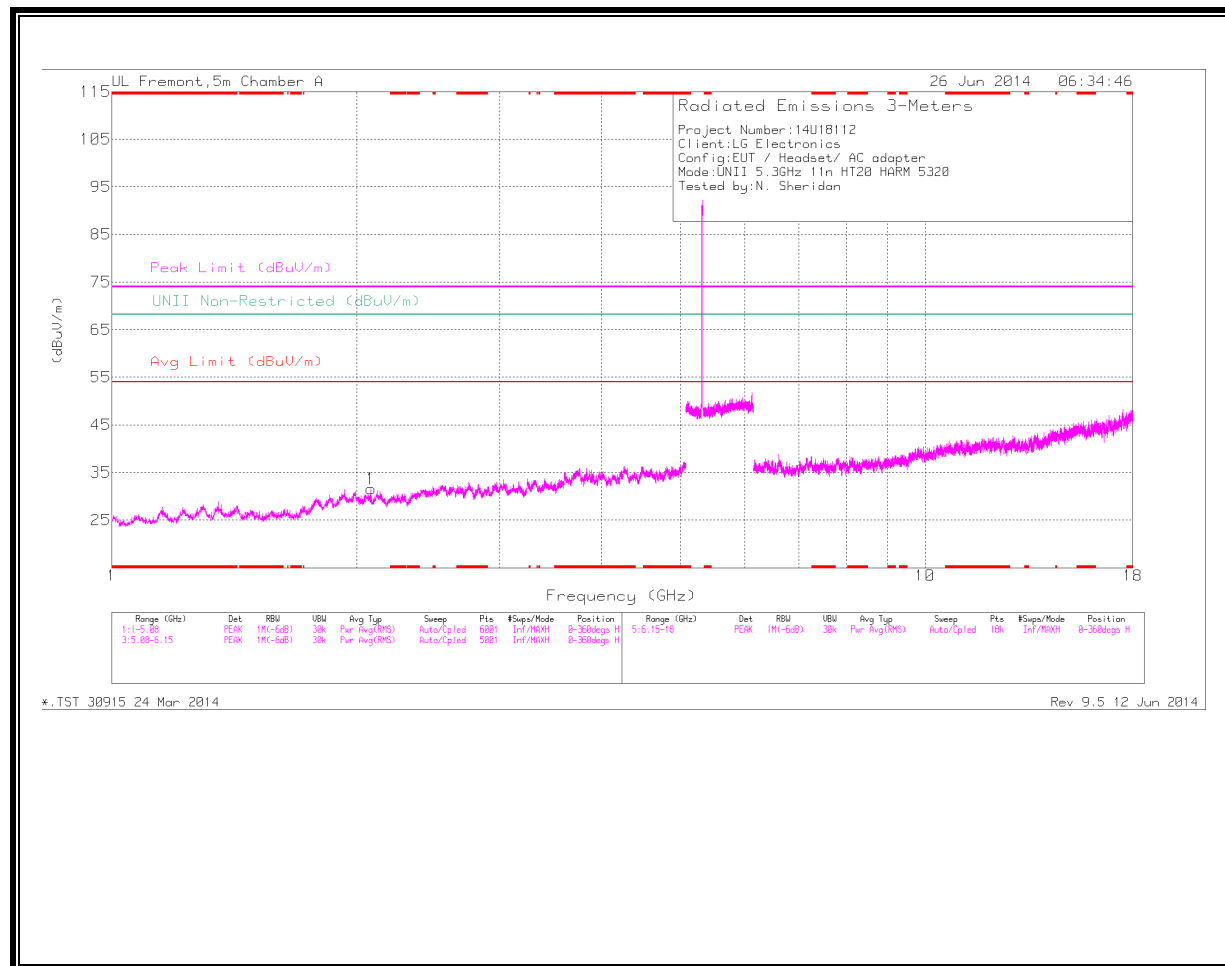
Radiated Emissions

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
* 12.571	33	PK1	39	-22.7	0	49.3	-	-	74	-24.7	-	-	1	100	H
* 12.569	22.32	AD1	39	-22.7	.22	38.92	54	-15.08	-	-	-	-	1	100	H

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

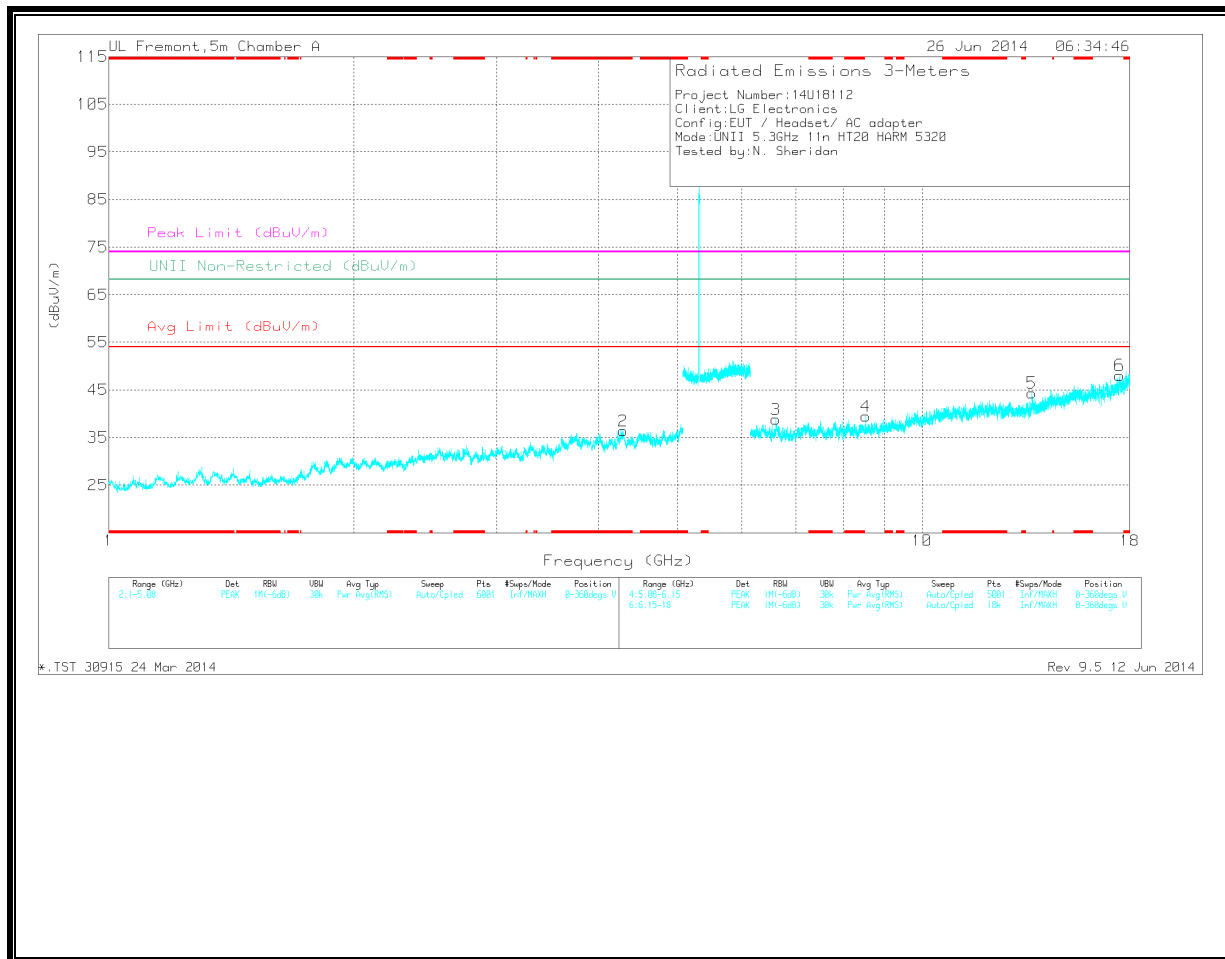
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average



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.

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
2	* 4.288	31.5	PK	34	-29.1	0	36.4	-	-	74	-37.6	-	-	0-360	201	V
1	2.084	34.39	PK	31.8	-34.6	0	31.59	-	-	-	-	68.2	-36.61	0-360	201	H
3	6.613	28.93	PK	35.5	-25.6	0	38.83	-	-	-	-	68.2	-29.37	0-360	100	V
4	8.528	30.03	PK	35.7	-26.3	0	39.43	-	-	-	-	68.2	-28.77	0-360	100	V
5	13.641	28.24	PK	38.8	-22.7	0	44.34	-	-	-	-	68.2	-23.86	0-360	100	V
6	17.494	25.56	PK	40.9	-18.4	0	48.06	-	-	-	-	68.2	-20.14	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/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
* 4.288	38.92	PK1	34	-29.1	0	43.82	-	-	74	-30.18	-	-	1	202	V
* 4.29	27.88	AD1	34	-29.3	.22	32.88	54	-21.12	-	-	-	-	1	202	V
8.528	35.12	PK1	35.7	-26.3	0	44.52	-	-	-	-	68.2	-23.68	1	100	V
8.528	24.89	AD1	35.7	-26.3	.22	34.59	-	-	-	-	-	-	1	100	V

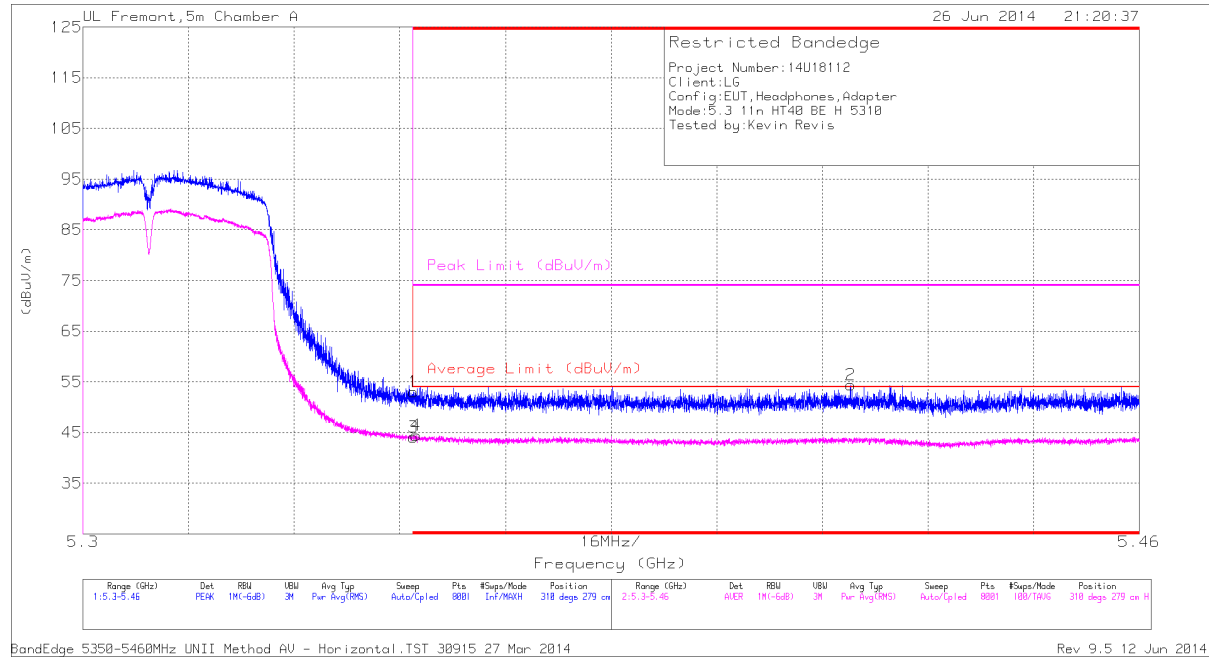
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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

HORIZONTAL



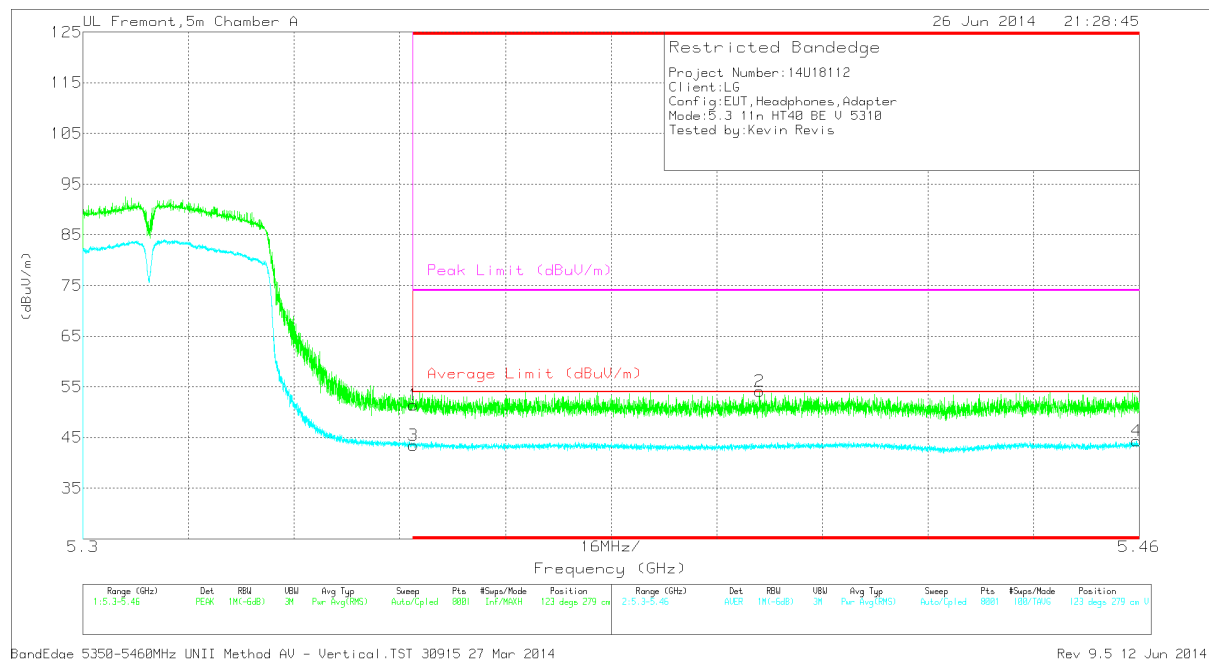
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.34	PK	34.3	-19.6	0	53.04	-	-	74	-20.96	310	279	H
3	* 5.35	28.91	RMS	34.3	-19.6	.43	44.04	54	-9.96	-	-	310	279	H
4	* 5.35	29.33	RMS	34.3	-19.6	.43	44.46	54	-9.54	-	-	310	279	H
2	* 5.416	39.63	PK	34.4	-19.6	0	54.43	-	-	74	-19.57	310	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 T136 (dB/m)	Amp/Cb/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	* 5.35	36.72	PK	34.3	-19.6	0	51.42	-	-	74	-22.58	123	279	V
3	* 5.35	28.32	RMS	34.3	-19.6	.43	43.45	54	-10.55	-	-	123	279	V
2	* 5.402	39.48	PK	34.4	-19.7	0	54.18	-	-	74	-19.82	123	279	V
4	* 5.46	29.27	RMS	34.4	-19.8	.43	44.3	54	-9.7	-	-	123	279	V

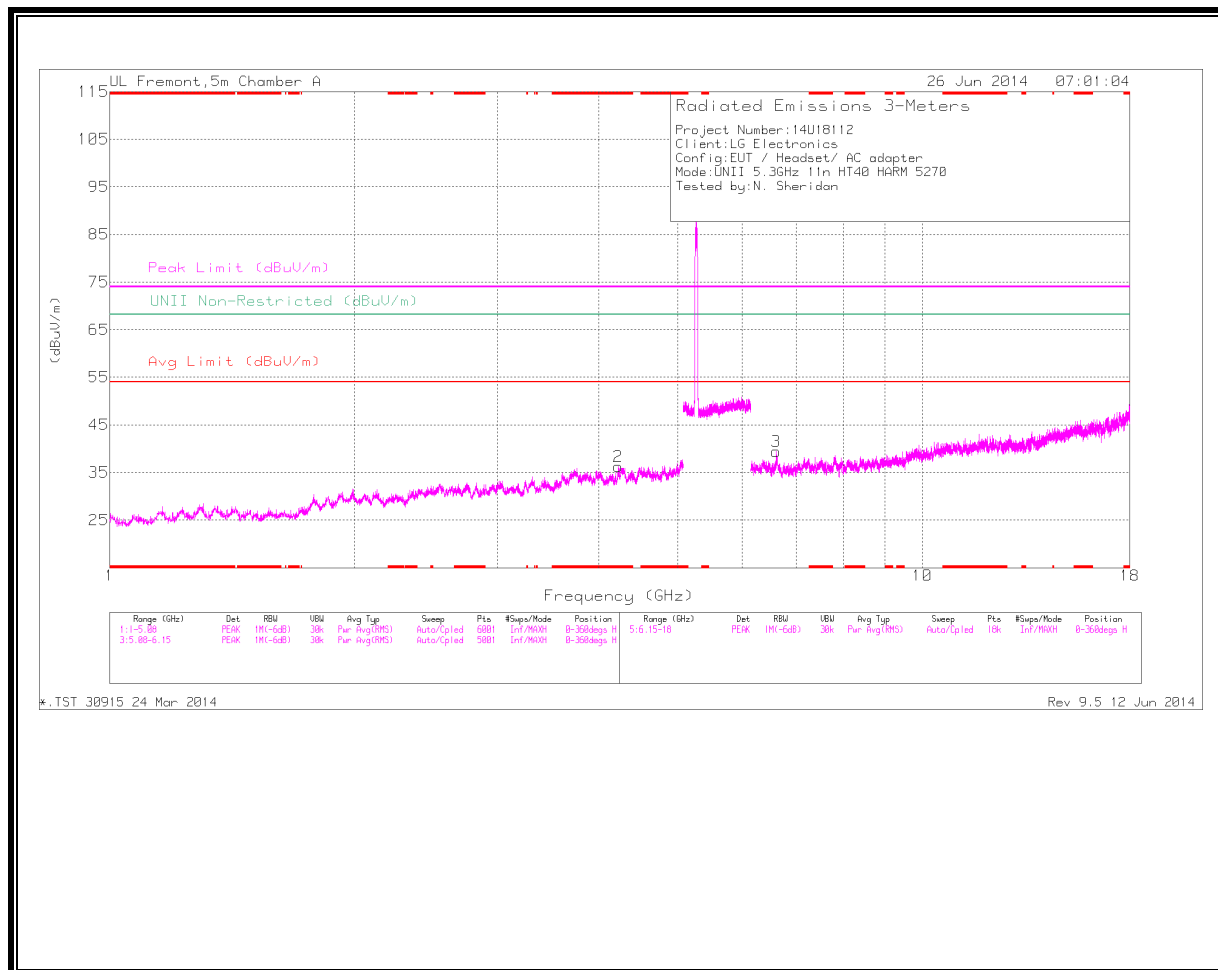
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

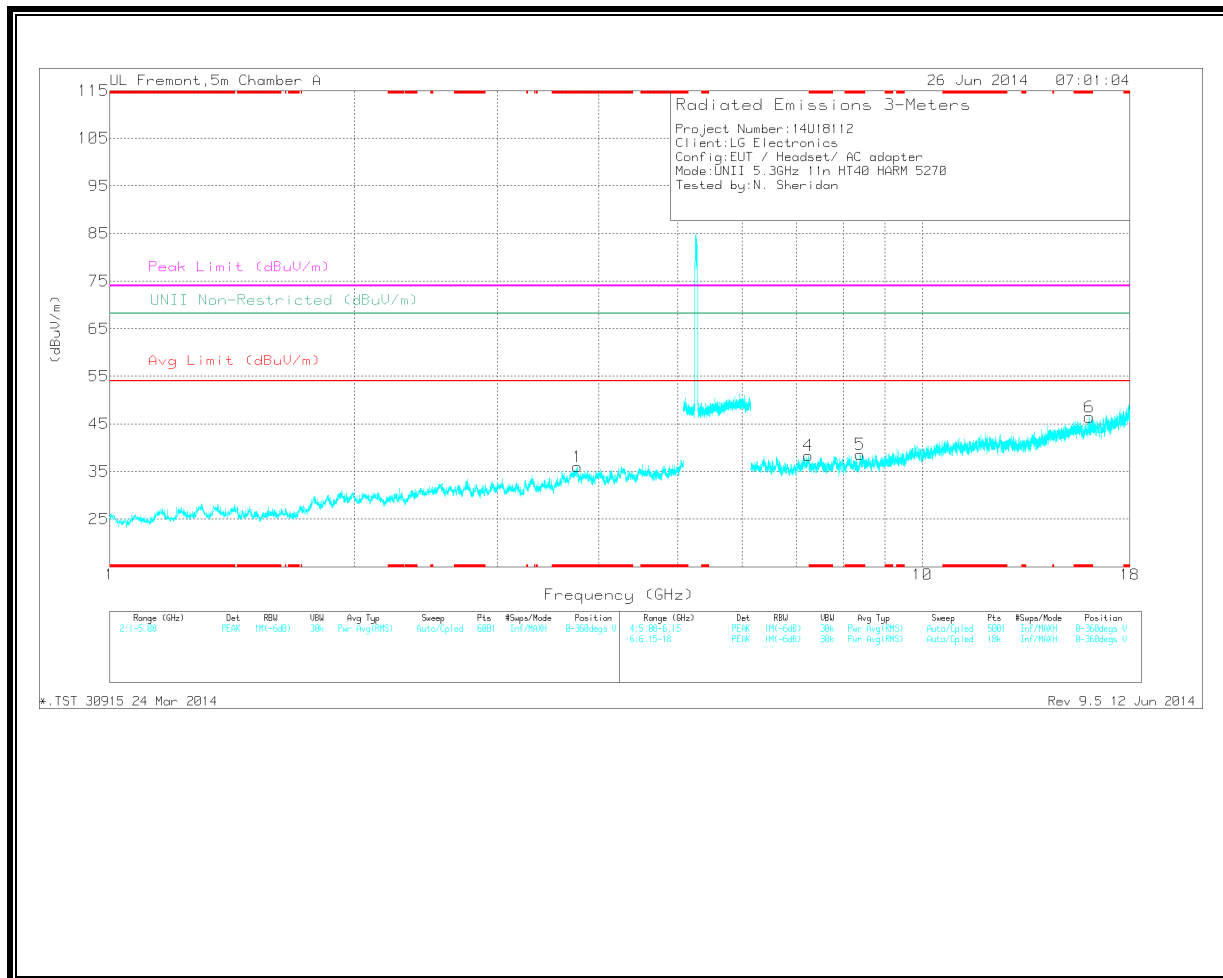
RMS - RMS detection

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.



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
2	* 4.223	31.88	PK	33.9	-29.5	0	36.28	-	-	74	-37.72	-	-	0-360	201	H
1	* 3.762	32.12	PK	33.5	-29.6	0	36.02	-	-	74	-37.98	-	-	0-360	100	V
5	* 8.382	28.91	PK	35.7	-26	0	38.61	-	-	74	-35.39	-	-	0-360	201	V
6	* 16.052	26.94	PK	40.4	-20.9	0	46.44	-	-	74	-27.56	-	-	0-360	100	V
3	6.61	29.42	PK	35.5	-25.5	0	39.42	-	-	-	-	68.2	-28.78	0-360	100	H
4	7.243	28.36	PK	35.2	-25.2	0	38.36	-	-	-	-	68.2	-29.84	0-360	201	V

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

PK - Peak detector

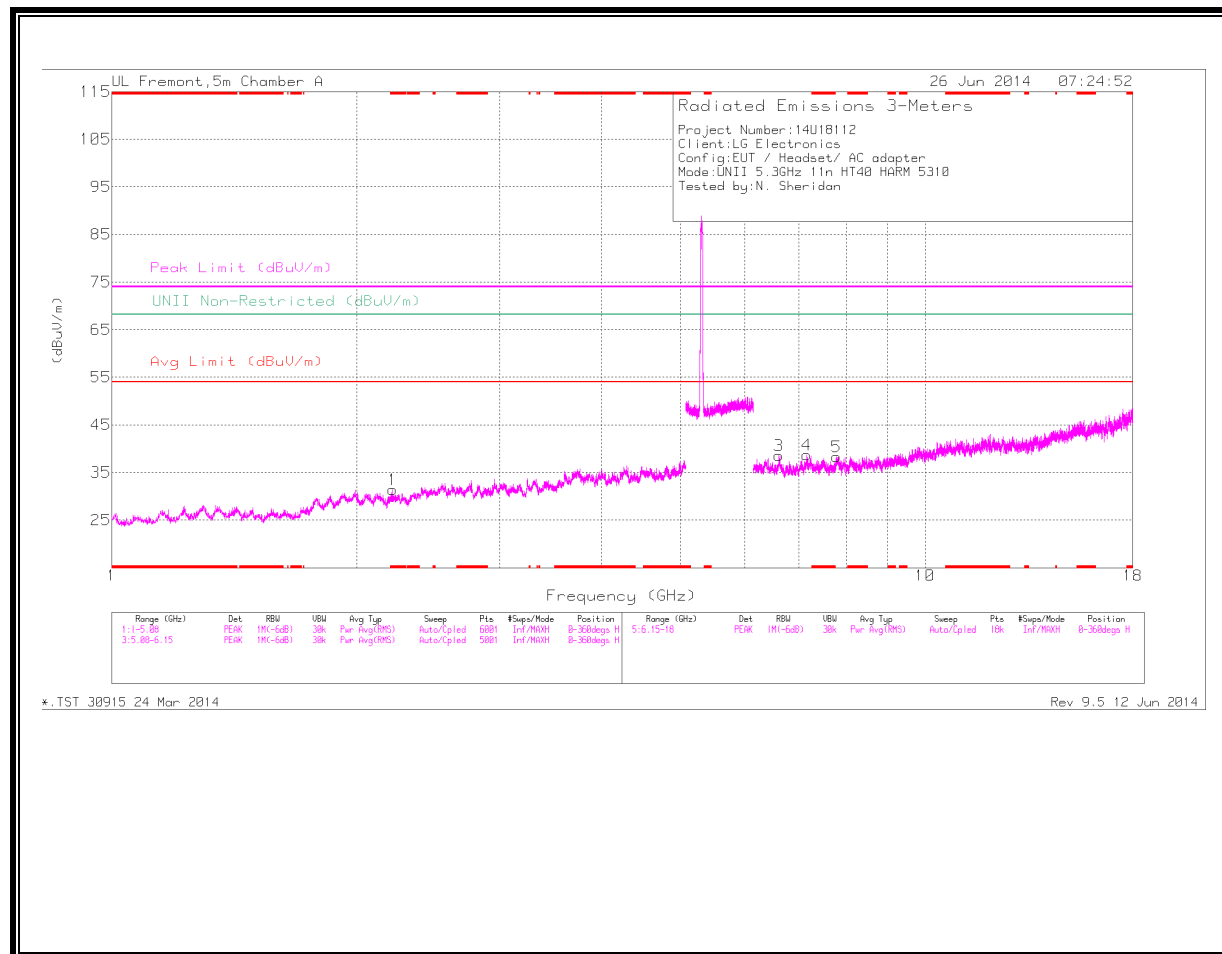
Radiated Emissions

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
* 4.222	38.26	PK1	33.9	-29.5	0	42.66	-	-	74	-31.34	-	-	1	202	H
* 4.224	27.29	AD1	33.9	-29.5	.43	32.12	54	-21.88	-	-	-	-	1	202	H
7.244	36.2	PK1	35.2	-25.3	0	46.1	-	-	-	-	68.2	-22.1	1	202	V
7.245	24.84	AD1	35.2	-25.3	.43	35.17	-	-	-	-	-	-	1	202	V

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

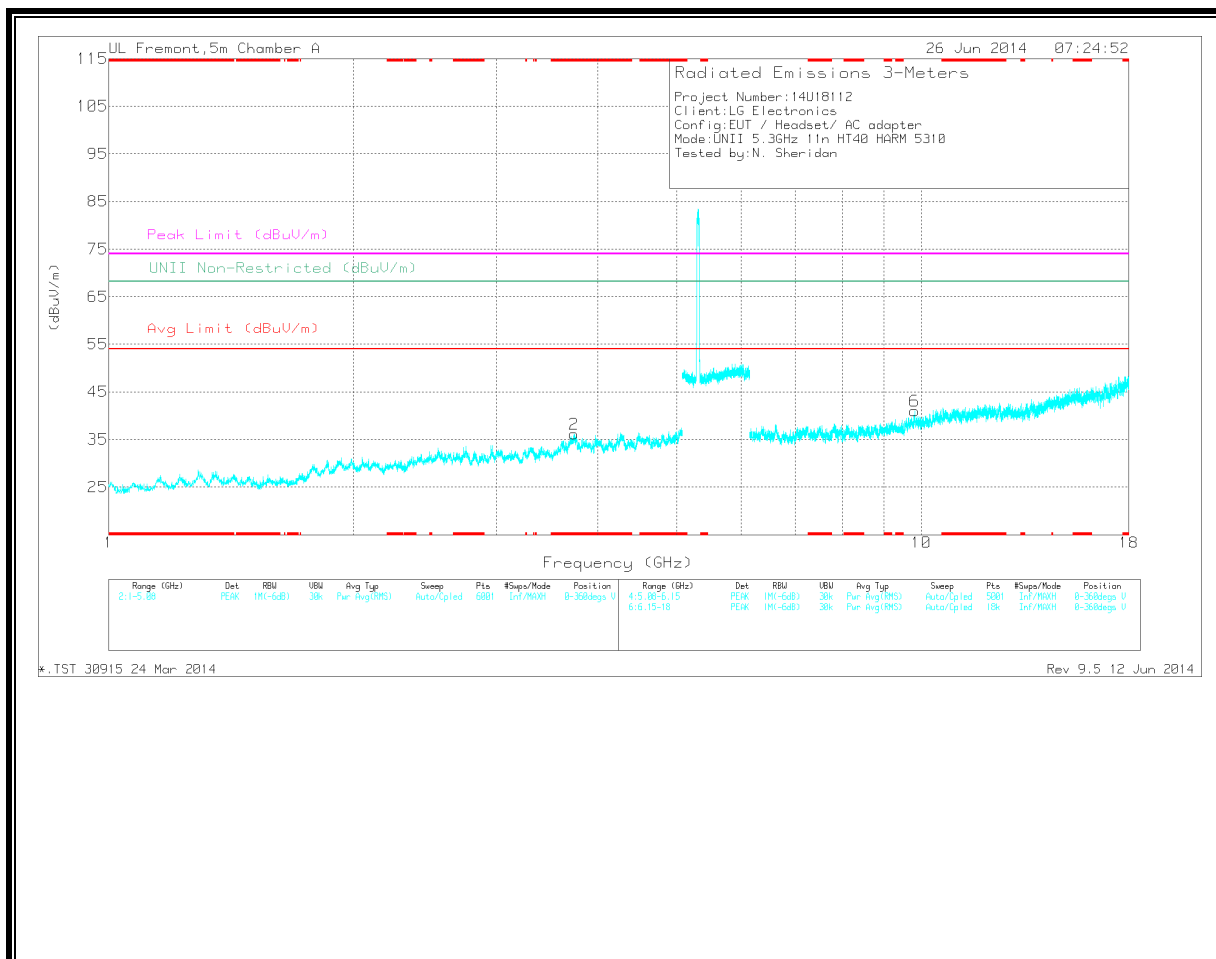
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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	* 2.215	33.72	PK	31.3	-33.6	0	31.42	-	-	74	-42.58	-	-	0-360	201	H
2	* 3.741	32.31	PK	33.5	-29.7	0	36.11	-	-	74	-37.89	-	-	0-360	201	V
3	6.61	28.57	PK	35.5	-25.5	0	38.57	-	-	-	-	68.2	-29.63	0-360	100	H
4	7.158	29.57	PK	35.3	-26.2	0	38.67	-	-	-	-	68.2	-29.53	0-360	100	H
5	7.784	28.32	PK	35.5	-25.5	0	38.32	-	-	-	-	68.2	-29.88	0-360	100	H
6	9.81	27.19	PK	36.9	-23.1	0	40.99	-	-	-	-	68.2	-27.21	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
* 3.741	39.81	PK1	33.5	-29.7	0	43.61	-	-	74	-30.39	-	-	1	202	V
* 3.743	28.29	AD1	33.5	-29.8	.43	32.42	54	-21.58	-	-	-	-	1	202	V
6.611	36.71	PK1	35.5	-25.5	0	46.71	-	-	-	-	68.2	-21.49	1	100	H
6.612	25.27	AD1	35.5	-25.5	.43	35.7	-	-	-	-	-	-	1	100	H

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

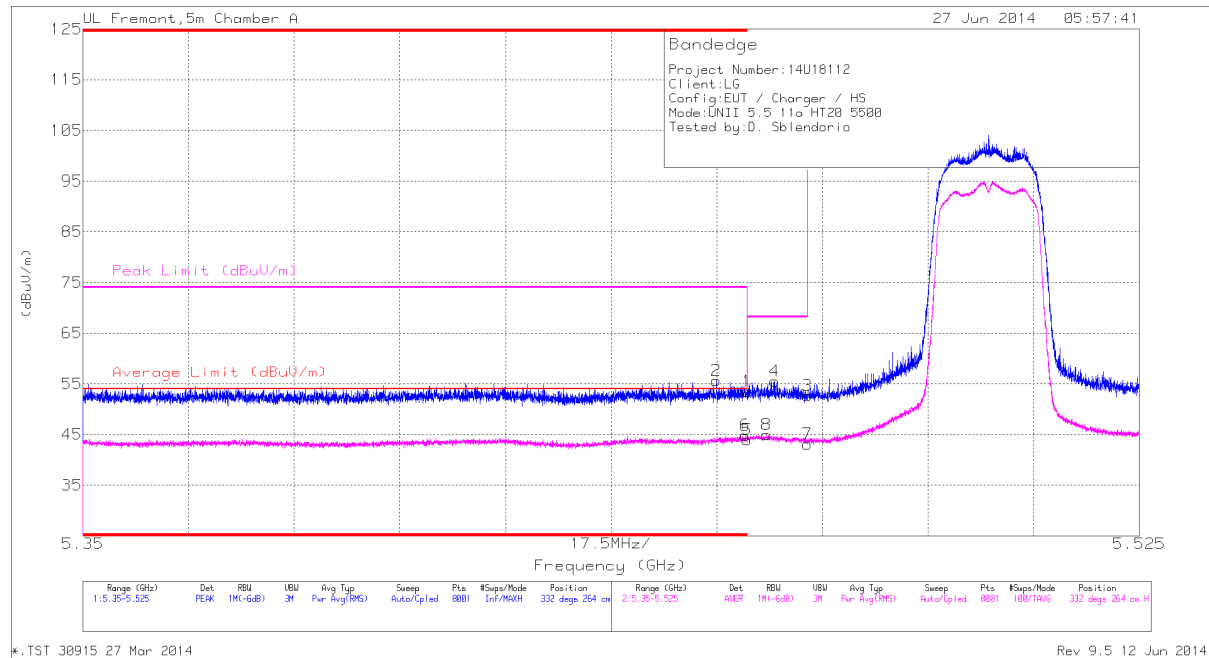
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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



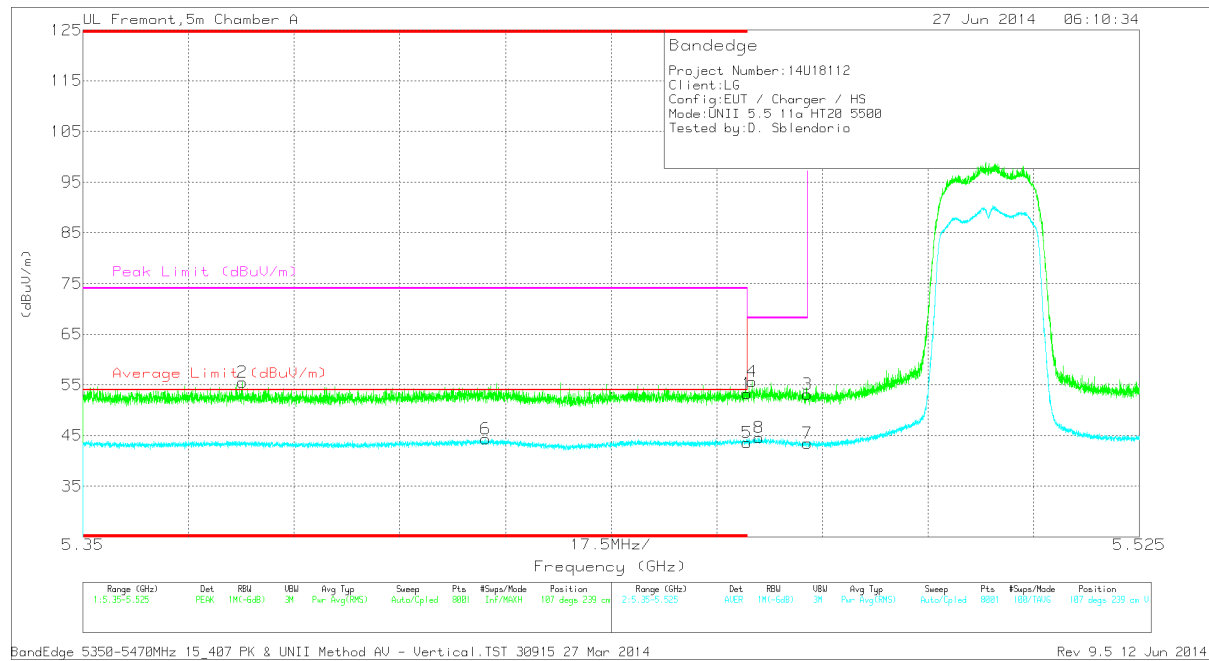
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.95	PK	34.4	-19.8	0	53.55	-	-	74	-20.45	332	264	H
2	* 5.455	41.2	PK	34.4	-20	0	55.6	-	-	74	-18.4	332	264	H
5	* 5.46	29.12	RMS	34.4	-19.8	.2	43.96	54	-10.04	-	-	332	264	H
6	* 5.46	30	RMS	34.4	-19.8	.2	44.84	54	-9.16	-	-	332	264	H
8	5.463	30.03	RMS	34.4	-19.7	.2	44.97	-	-	-	-	332	264	H
4	5.465	41	PK	34.4	-19.9	0	55.5	-	-	68.2	-12.7	332	264	H
3	5.47	38.5	PK	34.4	-20.3	0	52.6	-	-	68.2	-15.6	332	264	H
7	5.47	28.71	RMS	34.4	-20.3	.2	43.05	-	-	-	-	332	264	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 T136 (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	38.62	PK	34.4	-19.8	0	53.22	-	-	74	-20.78	107	239	V
2	* 5.376	40.78	PK	34.3	-19.6	0	55.48	-	-	74	-18.52	107	239	V
5	* 5.46	28.7	RMS	34.4	-19.8	.2	43.54	54	-10.46	-	-	107	239	V
6	* 5.417	29.26	RMS	34.4	-19.6	.2	44.3	54	-9.7	-	-	107	239	V
4	5.461	40.93	PK	34.4	-19.7	0	55.63	-	-	68.2	-12.57	107	239	V
8	5.462	29.64	RMS	34.4	-19.7	.2	44.58	-	-	-	-	107	239	V
3	5.47	39.06	PK	34.4	-20.3	0	53.16	-	-	68.2	-15.04	107	239	V
7	5.47	29.12	RMS	34.4	-20.3	.2	43.46	-	-	-	-	107	239	V

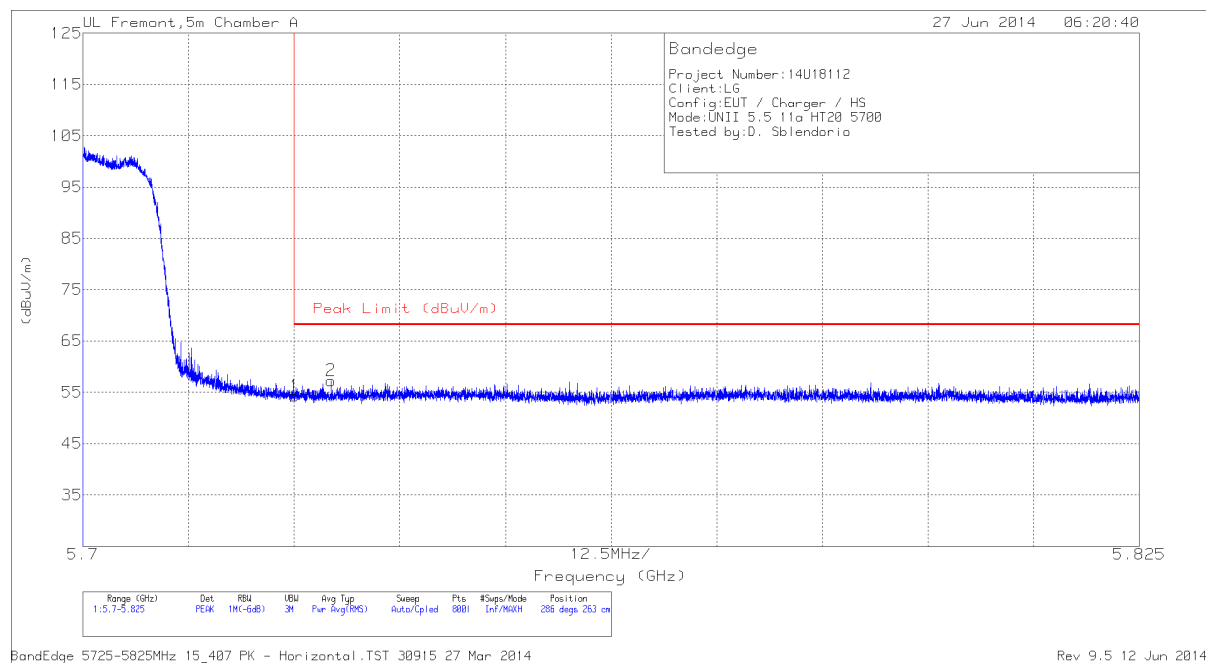
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

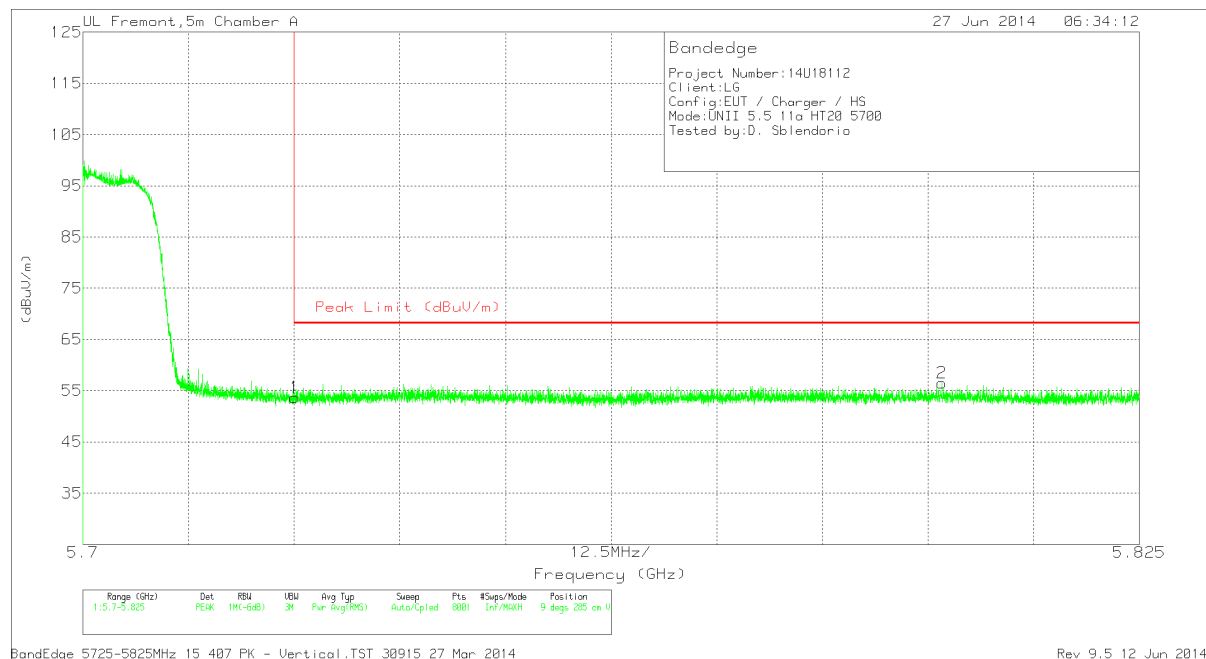
HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.29	PK	34.6	-19.6	54.29	68.2	-13.91	286	263	H
2	5.729	42.4	PK	34.6	-19.7	57.3	68.2	-10.9	286	263	H

PK - Peak detector

VERTICAL

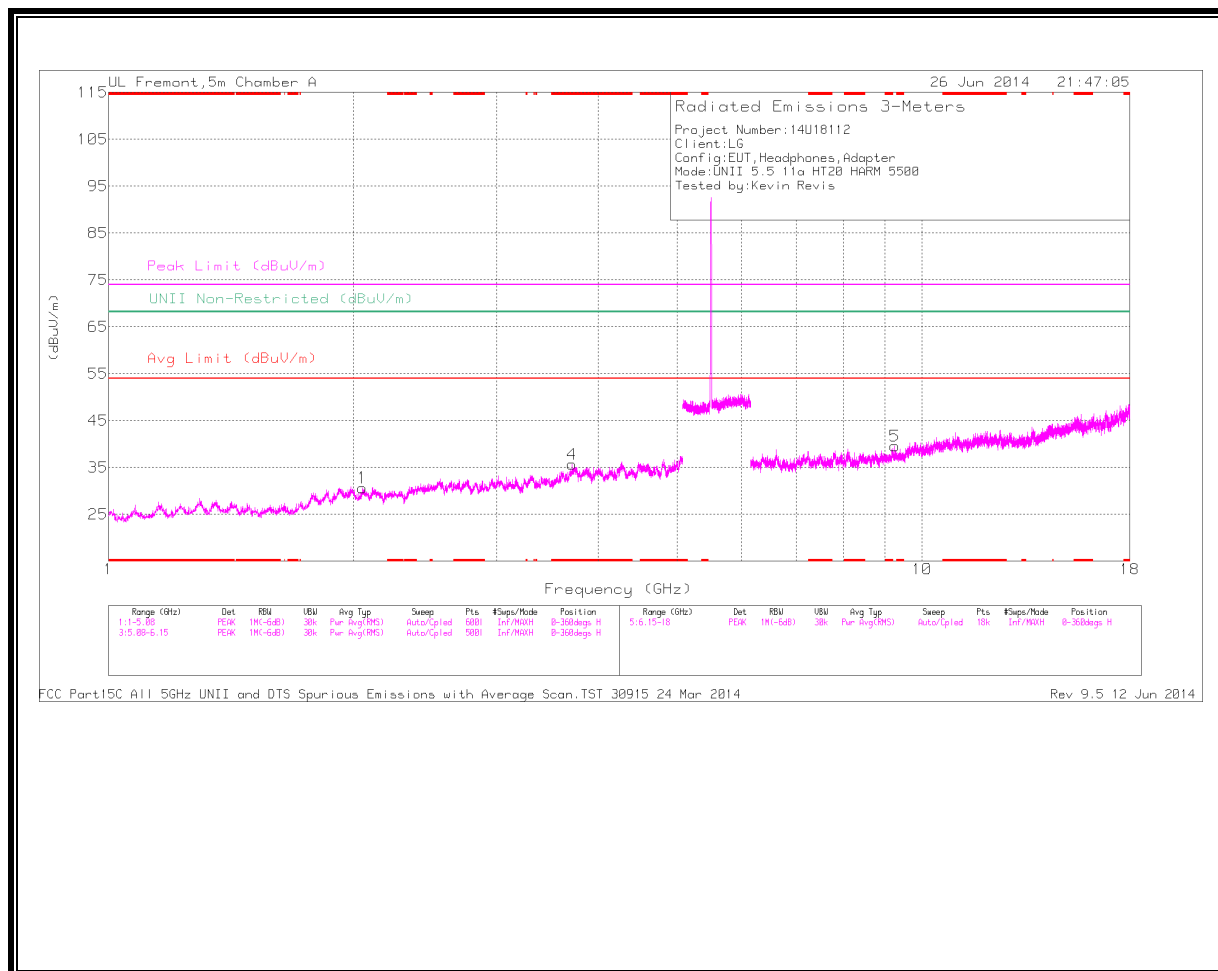


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.7	PK	34.6	-19.6	0	53.7	68.2	-14.5	9	285	V
2	5.802	40.95	PK	34.8	-19.3	0	56.45	68.2	-11.75	9	285	V

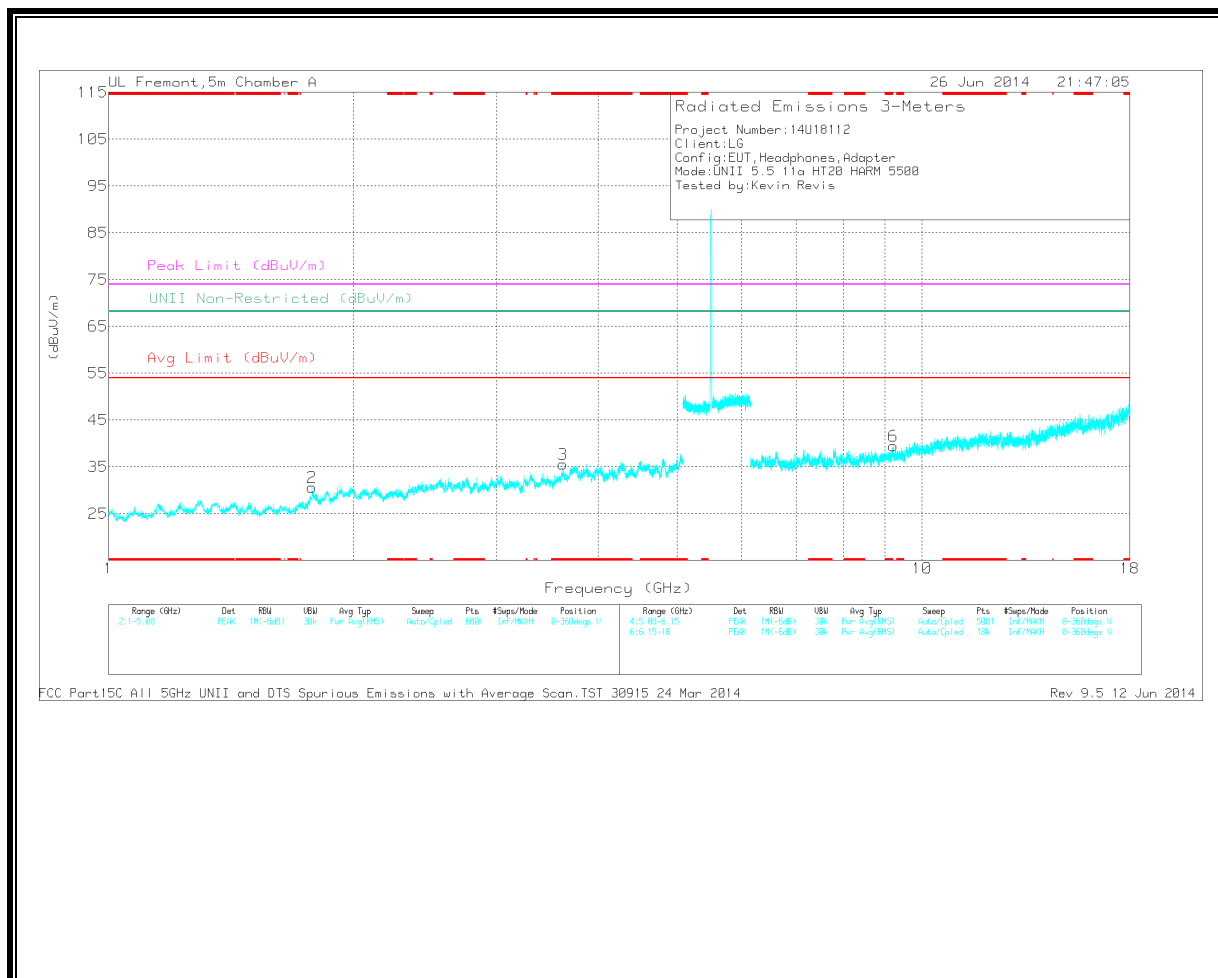
PK - Peak detector

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.



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
4	* 3.713	32.5	PK	33.4	-30.2	0	35.7	-	-	74	-38.3	-	-	0-360	201	H
3	* 3.617	33.99	PK	33.2	-31.6	0	35.59	-	-	74	-38.41	-	-	0-360	201	V
2	1.779	34.97	PK	30.3	-34.6	0	30.67	-	-	-	-	68.2	-37.53	0-360	201	V
1	2.053	33.7	PK	31.9	-34.9	0	30.7	-	-	-	-	68.2	-37.5	0-360	201	H
6	9.217	27.91	PK	36.1	-24.5	0	39.51	-	-	-	-	68.2	-28.69	0-360	201	V
5	9.258	28.25	PK	36.2	-24.9	0	39.55	-	-	-	-	68.2	-28.65	0-360	201	H

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

PK - Peak detector

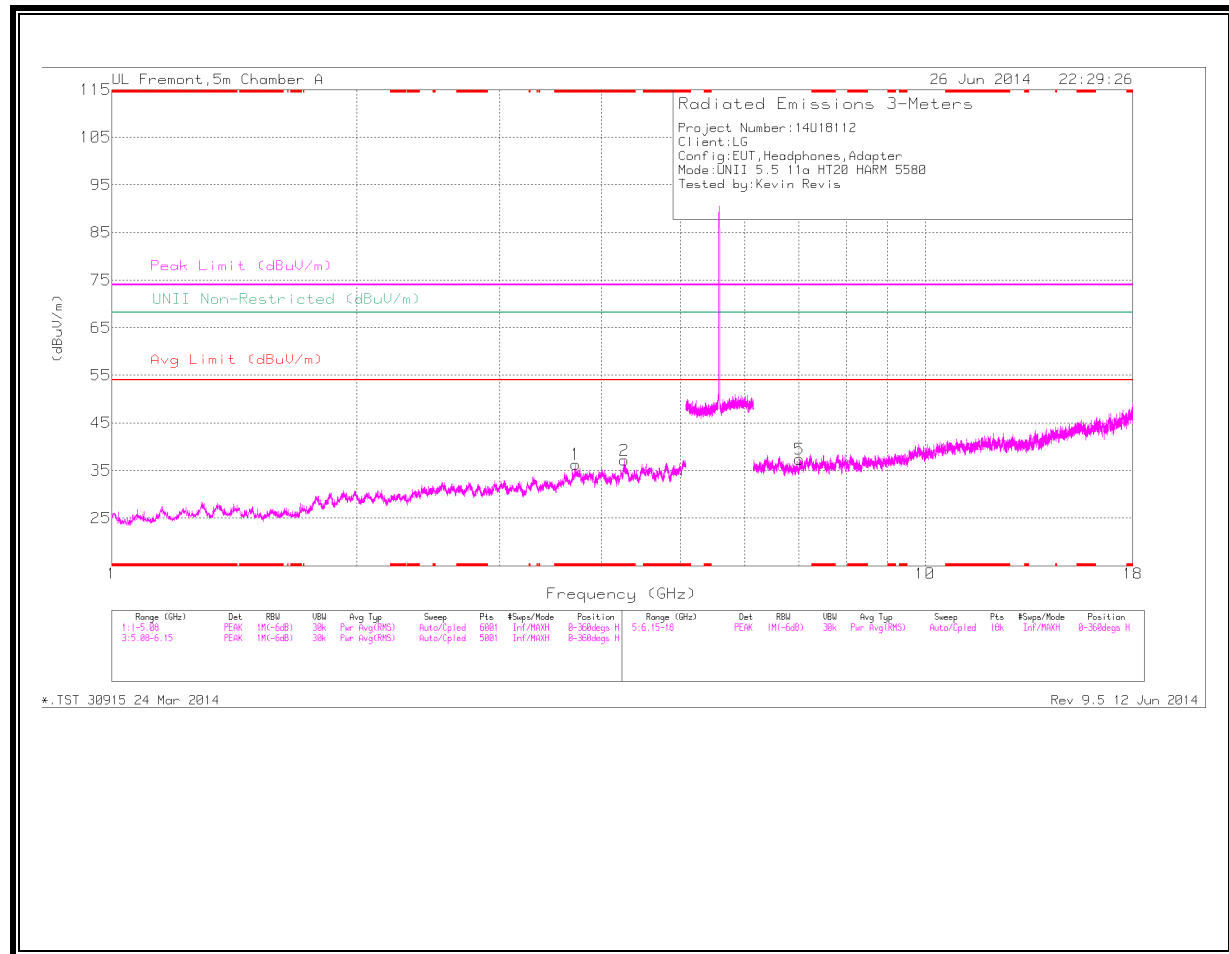
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF 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
* 3.713	39.48	PK1	33.4	-30.2	0	42.68	-	-	74	-31.32	-	-	1	202	H
* 3.712	28.56	AD1	33.4	-30.2	.2	31.97	54	-22.03	-	-	-	-	1	202	H
* 3.616	40.03	PK1	33.2	-31.6	0	41.63	-	-	74	-32.37	-	-	1	202	V
* 3.617	28.64	AD1	33.2	-31.6	.2	30.45	54	-23.55	-	-	-	-	1	202	V
1.779	41.87	PK1	30.3	-34.6	0	37.57	-	-	-	-	68.2	-30.63	1	202	V
1.779	30.6	AD1	30.2	-34.6	.2	26.41	-	-	-	-	-	-	1	202	V
2.052	30.31	AD1	31.9	-34.9	.2	27.52	-	-	-	-	-	-	1	202	H
2.053	41.58	PK1	31.9	-34.9	0	38.58	-	-	-	-	68.2	-29.62	1	202	H
9.217	33.64	PK1	36.1	-24.5	0	45.24	-	-	-	-	68.2	-22.96	1	202	V
9.217	23.43	AD1	36.1	-24.5	.2	35.24	-	-	-	-	-	-	1	202	V
9.257	23.86	AD1	36.2	-24.9	.2	35.37	-	-	-	-	-	-	1	202	H
9.258	35.13	PK1	36.2	-24.9	0	46.43	-	-	-	-	68.2	-21.77	1	202	H

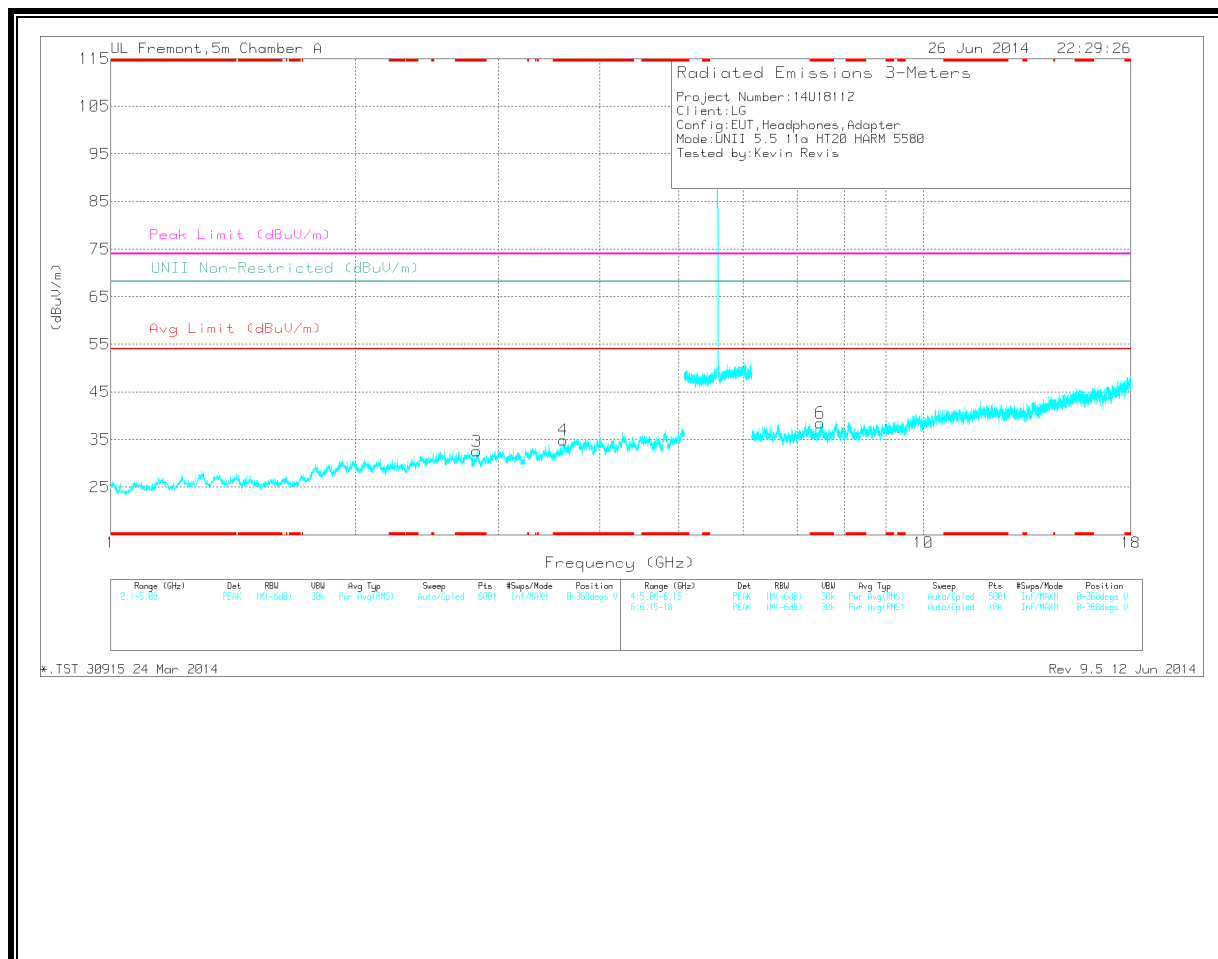
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average



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



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	* 3.72	33.2	PK	33.4	-30.3	0	36.3	-	-	74	-37.7	-	-	0-360	201	H
2	* 4.27	31.77	PK	34	-28.6	0	37.17	-	-	74	-36.83	-	-	0-360	201	H
3	* 2.822	32.76	PK	32.6	-32.8	0	32.56	-	-	74	-41.44	-	-	0-360	201	V
4	* 3.604	32.72	PK	33.2	-31	0	34.92	-	-	74	-39.08	-	-	0-360	201	V
6	* 7.471	29.09	PK	35.3	-25.9	0	38.49	-	-	74	-35.51	-	-	0-360	201	V
5	7.011	29.28	PK	35.3	-27.2	0	37.38	-	-	-	-	68.2	-30.82	0-360	100	H

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

PK - Peak detector

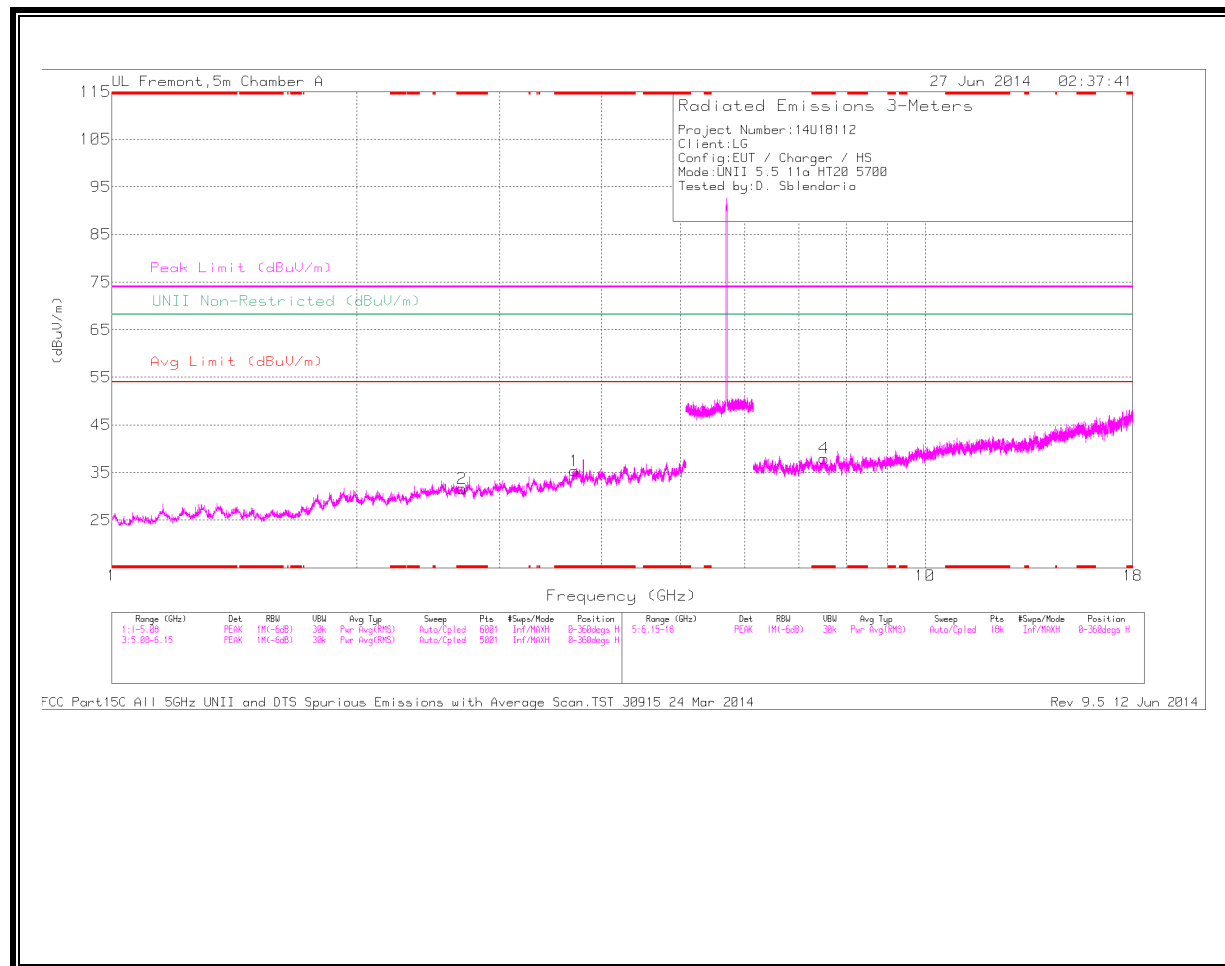
Radiated Emissions

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
* 3.72	40.71	PK1	33.4	-30.3	0	43.81	-	-	74	-30.19	-	-	1	202	H
* 3.72	30.9	AD1	33.4	-30.3	0.21	34.21	54	-19.79	-	-	-	-	1	202	H
* 4.269	37.86	PK1	34	-28.5	0	43.36	-	-	74	-30.64	-	-	1	202	H
* 4.27	26.94	AD1	34	-28.6	0.21	32.55	54	-21.45	-	-	-	-	1	202	H
* 2.821	40.3	PK1	32.6	-32.8	0	40.1	-	-	74	-33.9	-	-	1	202	V
* 2.822	28.59	AD1	32.6	-32.8	0.21	28.6	54	-25.4	-	-	-	-	1	202	V
* 3.602	39.68	PK1	33.2	-31	0	41.88	-	-	74	-32.12	-	-	1	202	V
* 3.604	28.49	AD1	33.2	-31	0.21	30.9	54	-23.1	-	-	-	-	1	202	V
* 7.472	35.91	PK1	35.3	-25.9	0	45.31	-	-	74	-28.60	-	-	1	202	V
* 7.47	24.51	AD1	35.3	-25.9	0.21	34.12	54	-19.88	-	-	-	-	1	202	V
7.011	36.64	PK1	35.3	-27.2	0	44.74	-	-	-	-	68.2	-23.46	1	100	H
7.013	25.07	AD1	35.3	-27.2	0.21	33.38	-	-	-	-	-	-	1	100	H

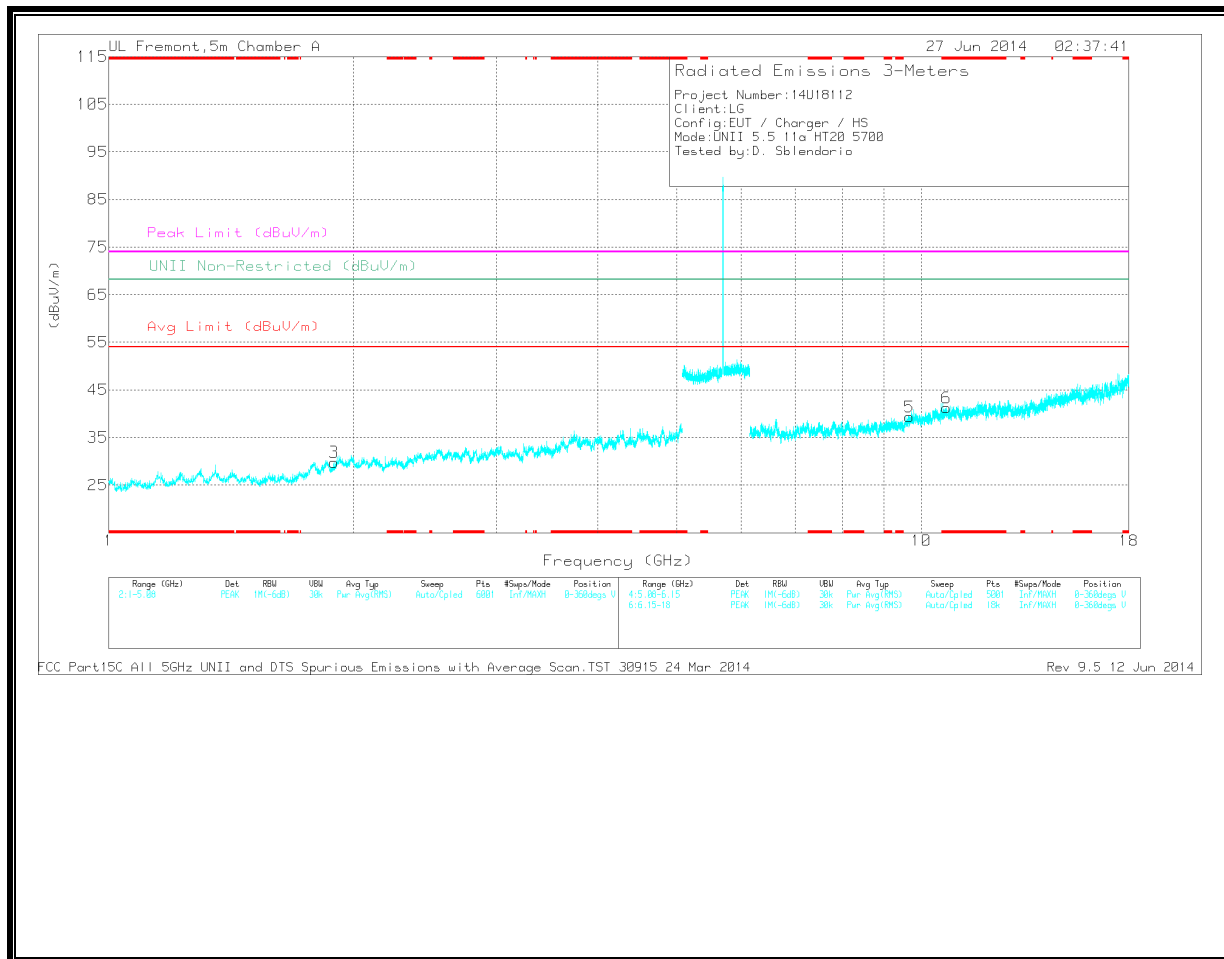
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average



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



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 T136 (dB/m)	Amp/Cbl/Filr/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	* 3.708	32.17	PK	33.4	-30.2	0	35.37	-	-	74	-38.63	-	-	0-360	100	H
2	* 2.697	32.12	PK	32.7	-33.2	0	31.62	-	-	74	-42.38	-	-	0-360	100	H
4	* 7.513	27.4	PK	35.3	-24.7	0	38	-	-	74	-36	-	-	0-360	201	H
6	* 10.744	26.45	PK	37.9	-23.1	0	41.25	-	-	74	-32.75	-	-	0-360	201	V
3	1.895	32.5	PK	31.6	-34.3	0	29.8	-	-	-	-	68.2	-38.4	0-360	201	V
5	9.665	27.23	PK	36.8	-24.7	0	39.33	-	-	-	-	68.2	-28.87	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 T136 (dB/m)	Amp/Cbl/Filr/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
* 3.708	40.1	PK1	33.4	-30.2	0	43.3	-	-	74	-30.7	-	-	360	100	H
* 3.708	28.72	AD1	33.4	-30.2	.22	32.16	54	-21.84	-	-	-	-	360	100	H

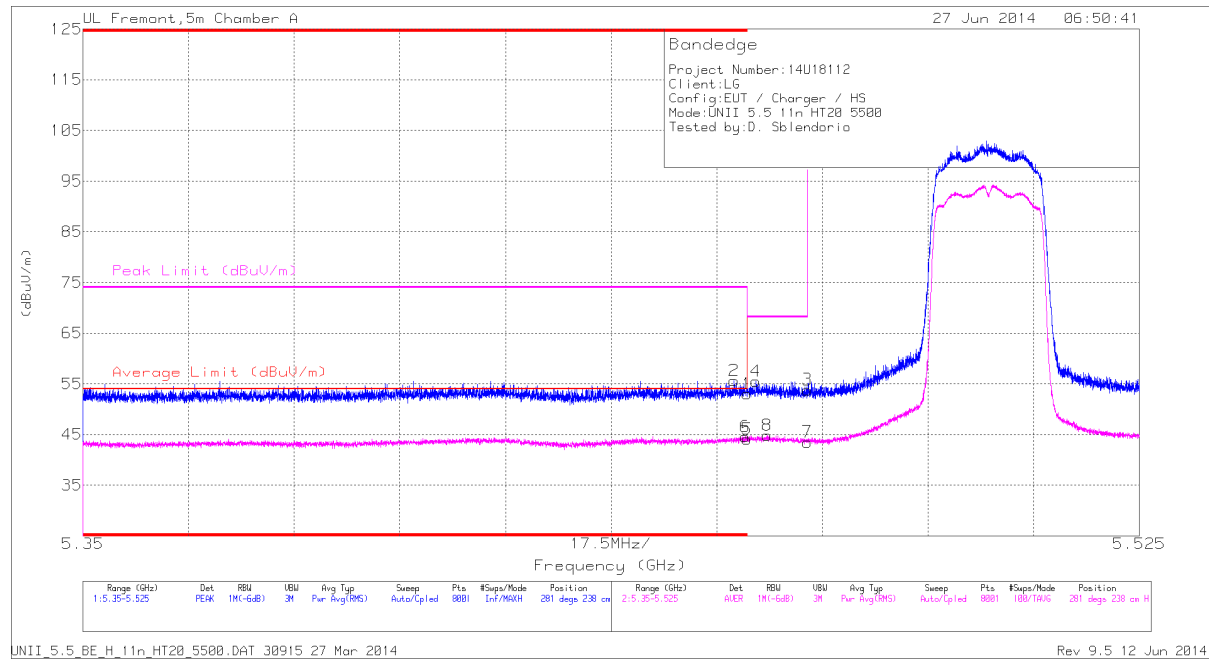
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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

HORIZONTAL



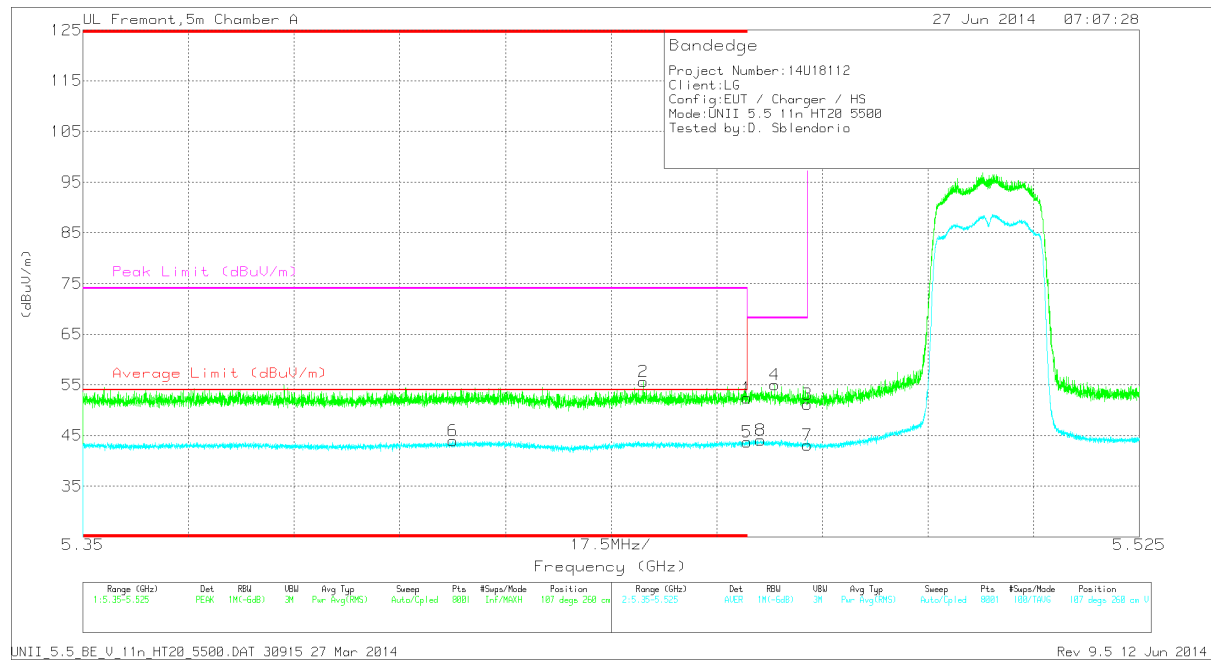
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC factor	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.41	PK	34.4	-19.8	0	53.01	-	-	74	-20.99	281	238	H
2	* 5.458	41.17	PK	34.4	-19.9	0	55.67	-	-	74	-18.33	281	238	H
5	* 5.46	29.43	RMS	34.4	-19.8	.22	44.03	54	-9.97	-	-	281	238	H
6	* 5.46	30.02	RMS	34.4	-19.8	.22	44.62	54	-9.38	-	-	281	238	H
4	5.461	40.78	PK	34.4	-19.7	0	55.48	-	-	68.2	-12.72	281	238	H
8	5.463	30.23	RMS	34.4	-19.8	.22	44.83	-	-	-	-	281	238	H
3	5.47	39.73	PK	34.4	-20.3	0	53.83	-	-	68.2	-14.37	281	238	H
7	5.47	29.42	RMS	34.4	-20.3	.22	43.52	-	-	-	-	281	238	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 T136 (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
1	* 5.46	37.85	PK	34.4	-19.8	0	52.45	-	-	74	-21.55	107	260	V
2	* 5.443	41.12	PK	34.4	-19.9	0	55.62	-	-	74	-18.38	107	260	V
5	* 5.46	28.91	RMS	34.4	-19.8	.22	43.75	54	-10.25	-	-	107	260	V
6	* 5.411	28.93	RMS	34.4	-19.6	.22	43.97	54	-10.03	-	-	107	260	V
8	5.462	29.18	RMS	34.4	-19.7	.22	44.12	-	-	-	-	107	260	V
4	5.465	40.49	PK	34.4	-19.9	0	54.99	-	-	68.2	-13.21	107	260	V
3	5.47	37.06	PK	34.4	-20.3	0	51.16	-	-	68.2	-17.04	107	260	V
7	5.47	28.76	RMS	34.4	-20.3	.22	43.1	-	-	-	-	107	260	V

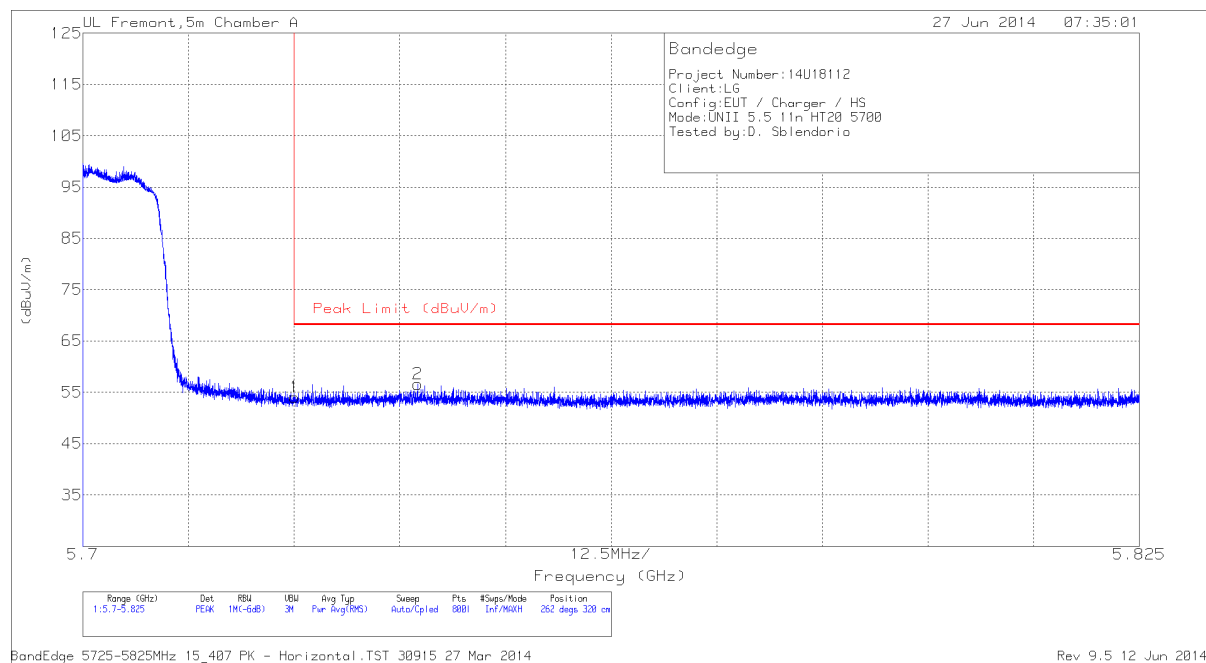
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

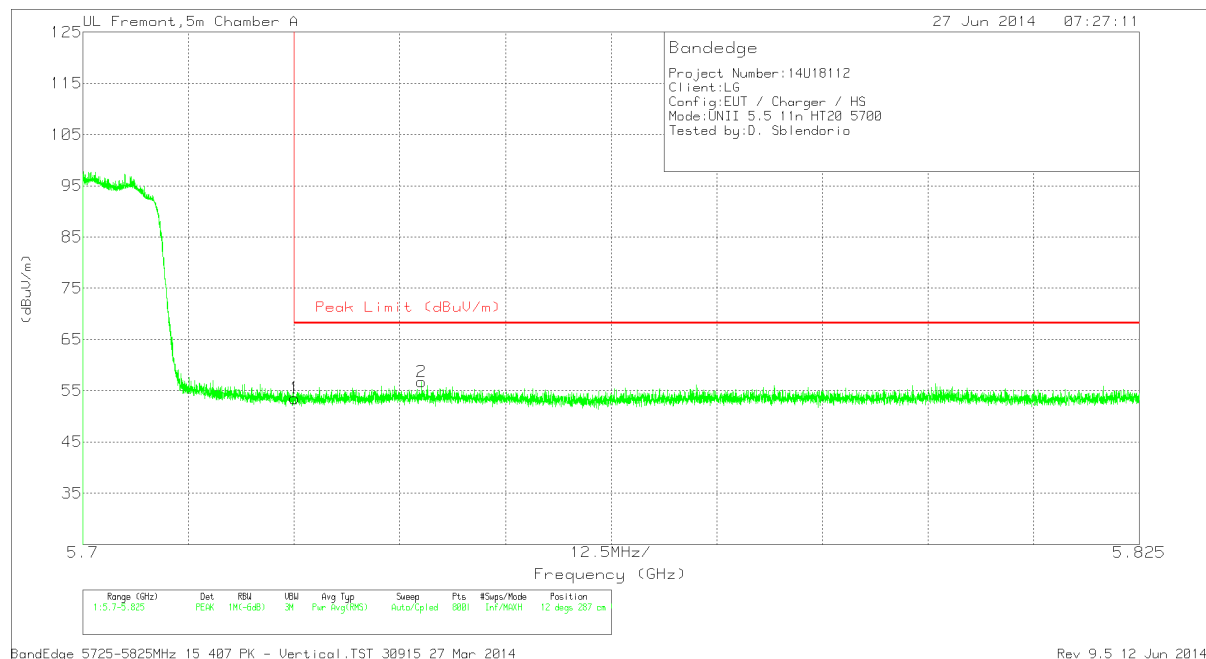
HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	39.09	PK	34.6	-19.6	0	54.09	68.2	-14.11	262	320	H
2	5.74	41.27	PK	34.6	-19.3	0	56.57	68.2	-11.63	262	320	H

PK - Peak detector

VERTICAL

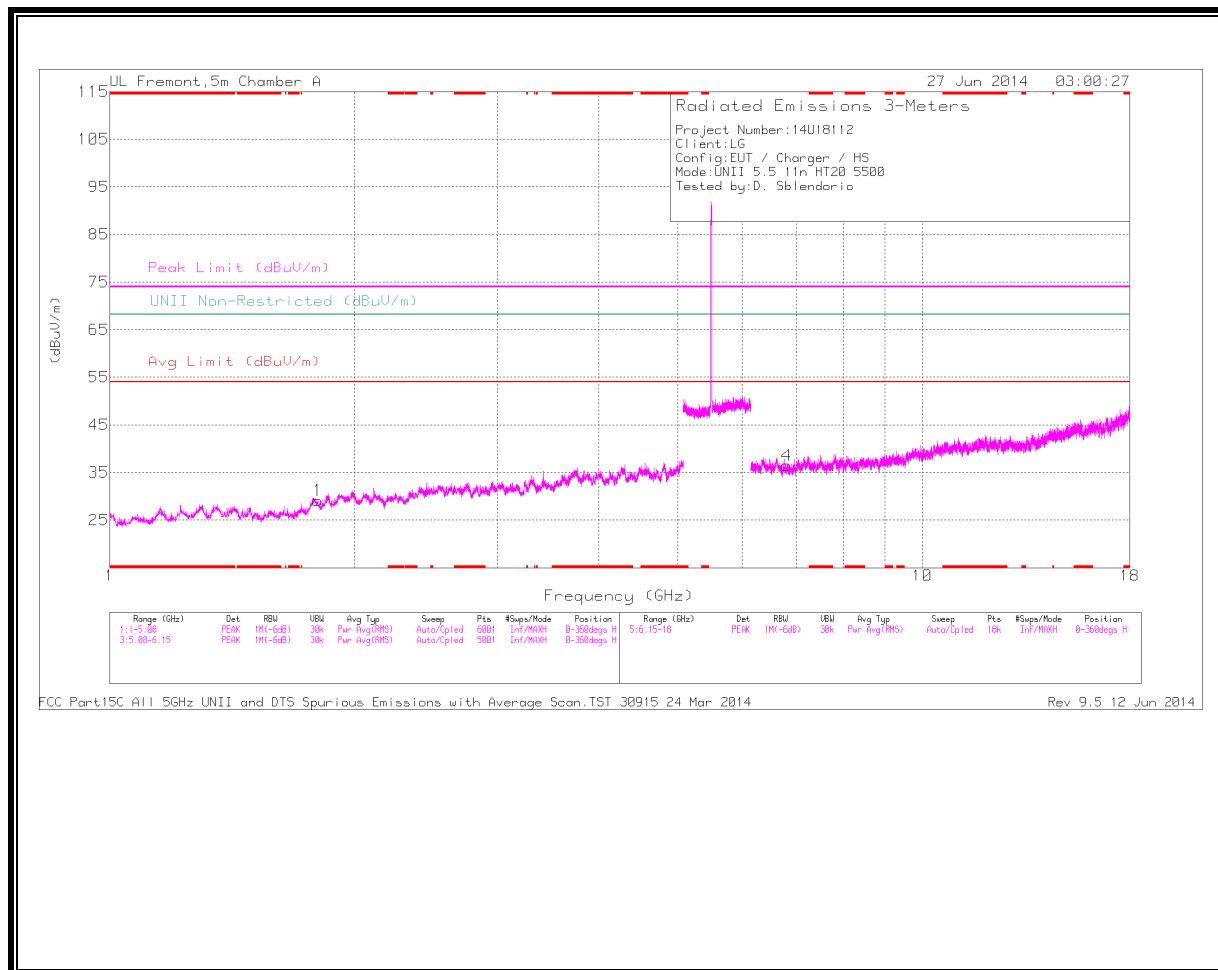


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.5	PK	34.6	-19.6	0	53.5	68.2	-14.7	12	287	V
2	5.74	41.4	PK	34.6	-19.3	0	56.7	68.2	-11.5	12	287	V

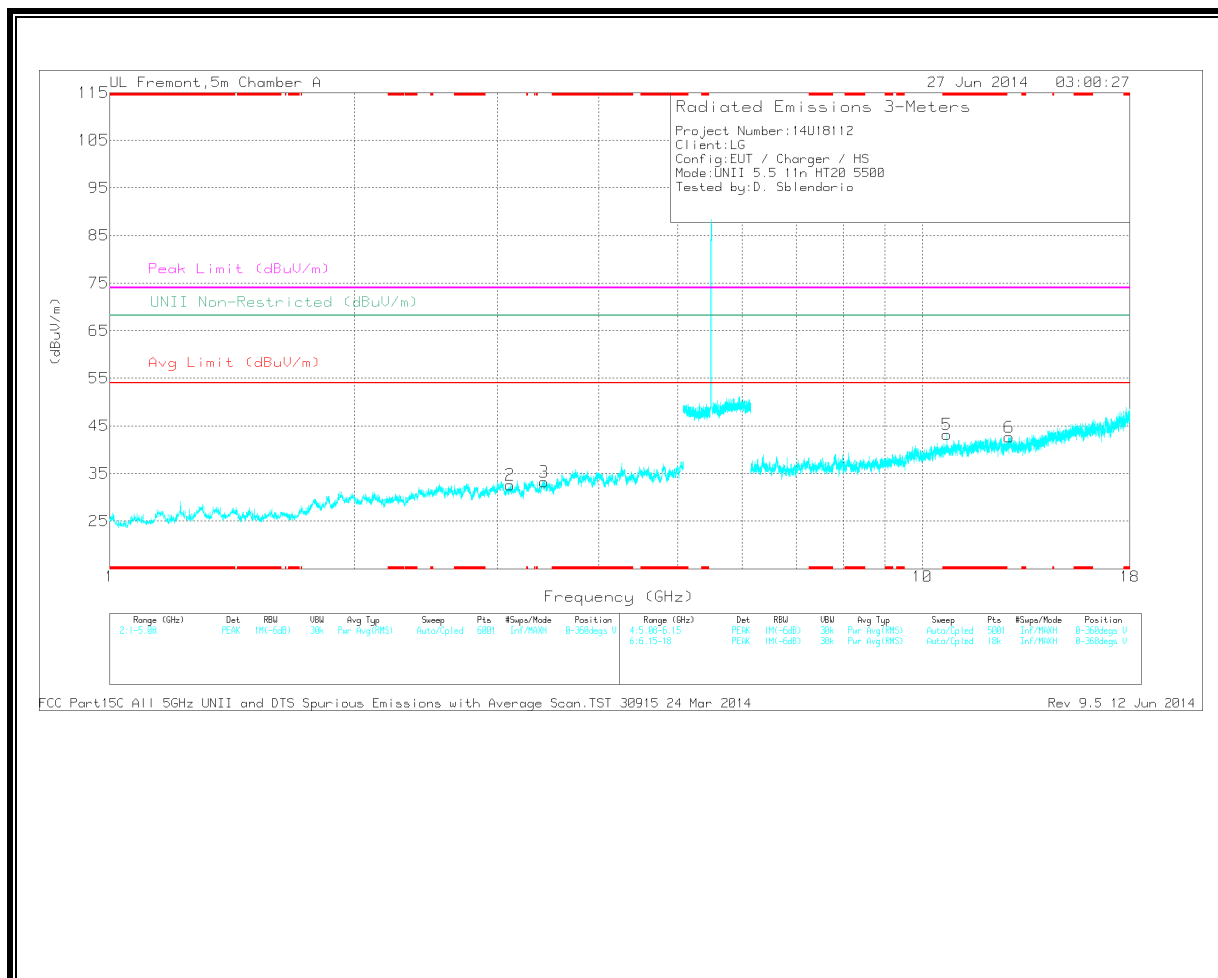
PK - Peak detector

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.



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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
5	* 10.721	28.09	PK	37.9	-22.8	0	43.19	-	-	74	-30.81	-	-	0-360	100	V
1	1.804	32.96	PK	30.6	-34.4	0	29.16	-	-	-	-	68.2	-39.04	0-360	201	H
2	3.11	32.31	PK	32.8	-32.5	0	32.61	-	-	-	-	68.2	-35.59	0-360	100	V
3	3.424	31.32	PK	33	-31.1	0	33.22	-	-	-	-	68.2	-34.98	0-360	201	V
4	6.812	28.38	PK	35.3	-27.2	0	36.48	-	-	-	-	68.2	-31.72	0-360	201	H
6	12.787	26.37	PK	39	-22.7	0	42.67	-	-	-	-	68.2	-25.53	0-360	100	V

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

PK - Peak detector

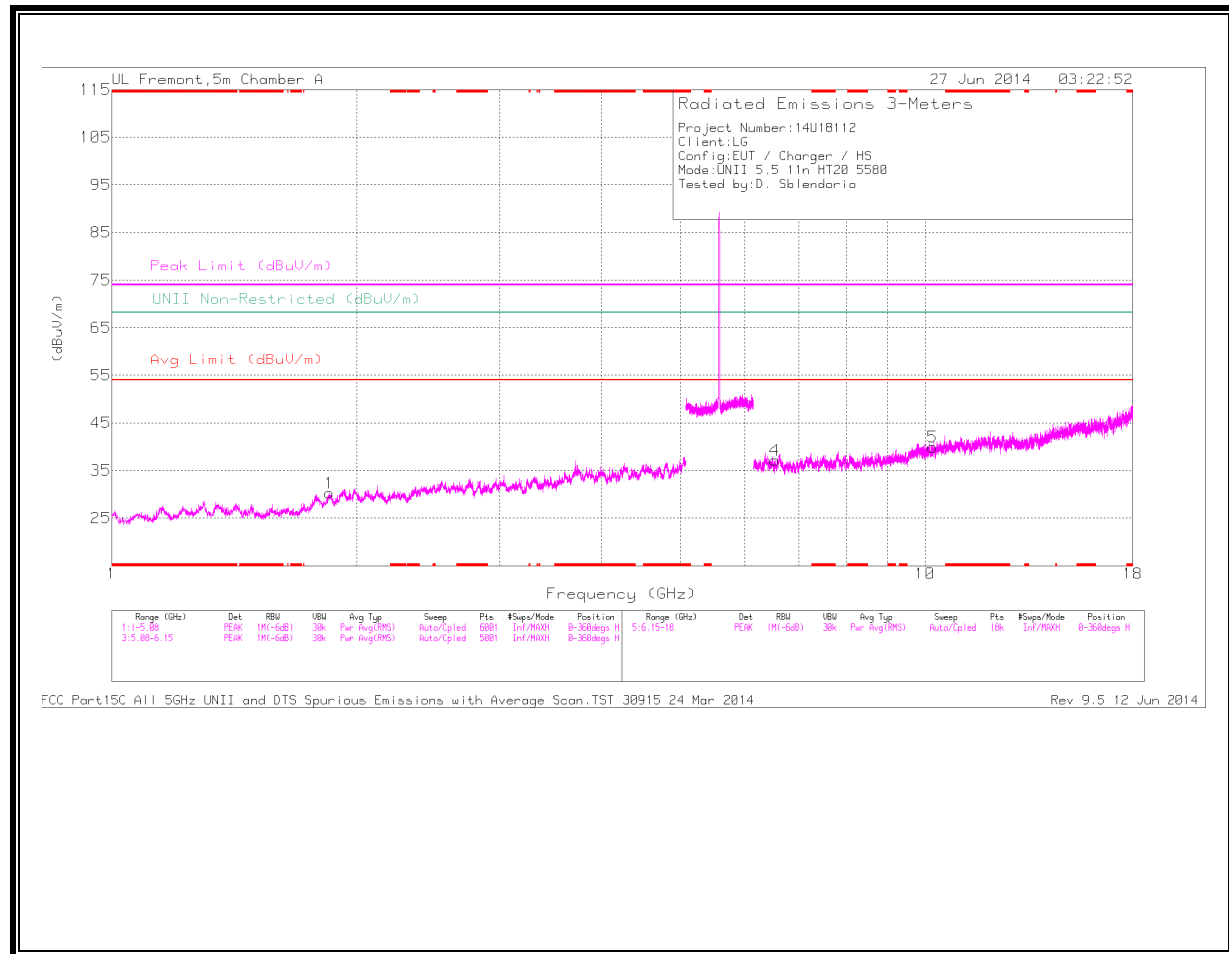
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/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
* 10.723	34.23	PK1	37.9	-22.8	0	49.33	-	-	74	-24.67	-	-	359	100	V
* 10.722	22.63	AD1	37.9	-22.8	.22	37.97	54	-16.03	-	-	-	-	359	100	V

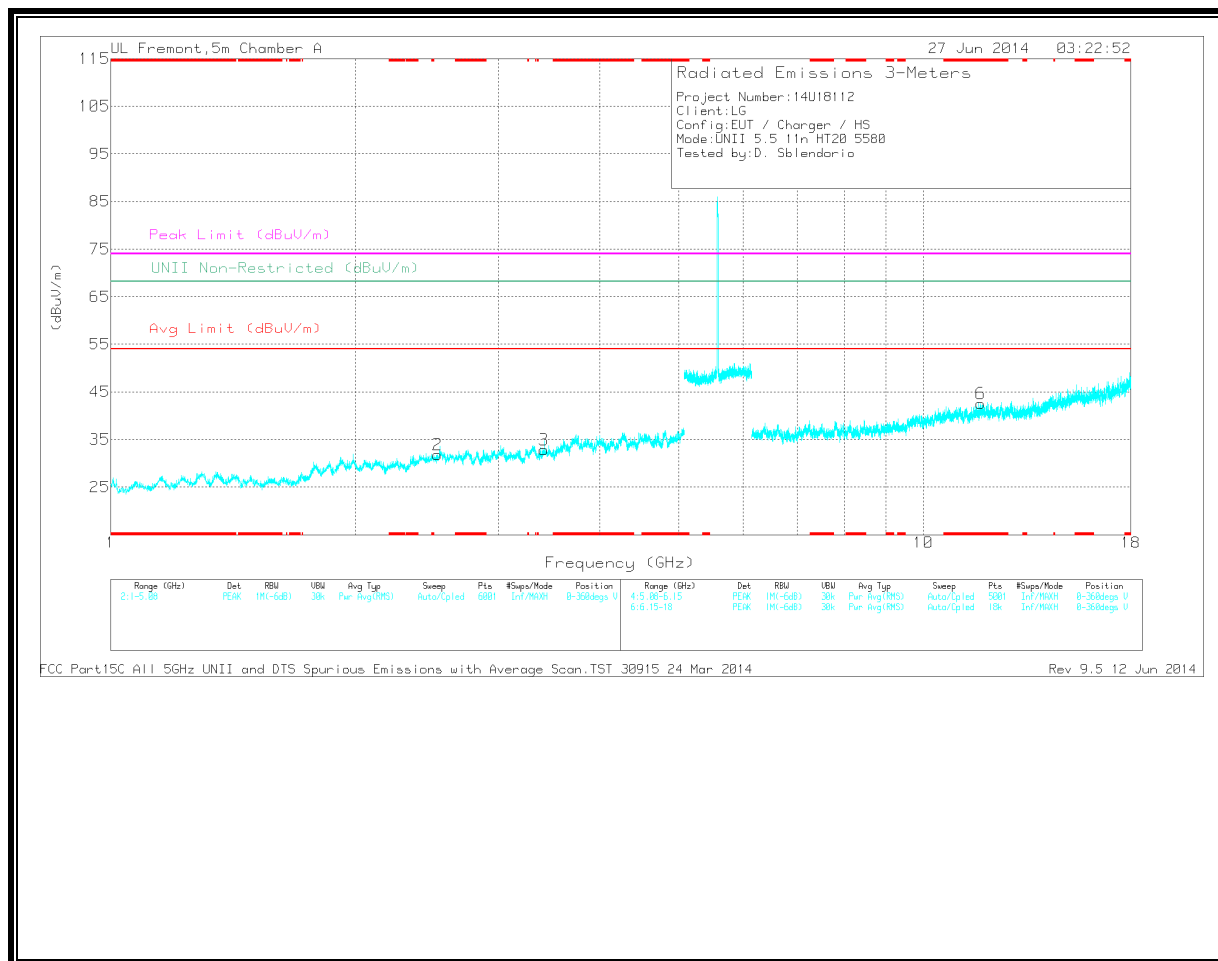
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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.



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/Filr/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	* 11.764	26.18	PK	38.7	-22.3	0	42.58	-	-	74	-31.42	-	-	0-360	100	V
1	1.852	33.85	PK	31.1	-34.7	0	30.25	-	-	-	-	68.2	-37.95	0-360	100	H
2	2.527	32.34	PK	32.9	-33.4	0	31.84	-	-	-	-	68.2	-36.36	0-360	100	V
3	3.411	30.85	PK	33	-31	0	32.85	-	-	-	-	68.2	-35.35	0-360	100	V
4	6.536	29.26	PK	35.5	-27.6	0	37.16	-	-	-	-	68.2	-31.04	0-360	100	H
5	10.218	26.93	PK	37.2	-24.2	0	39.93	-	-	-	-	68.2	-28.27	0-360	100	H

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

PK - Peak detector

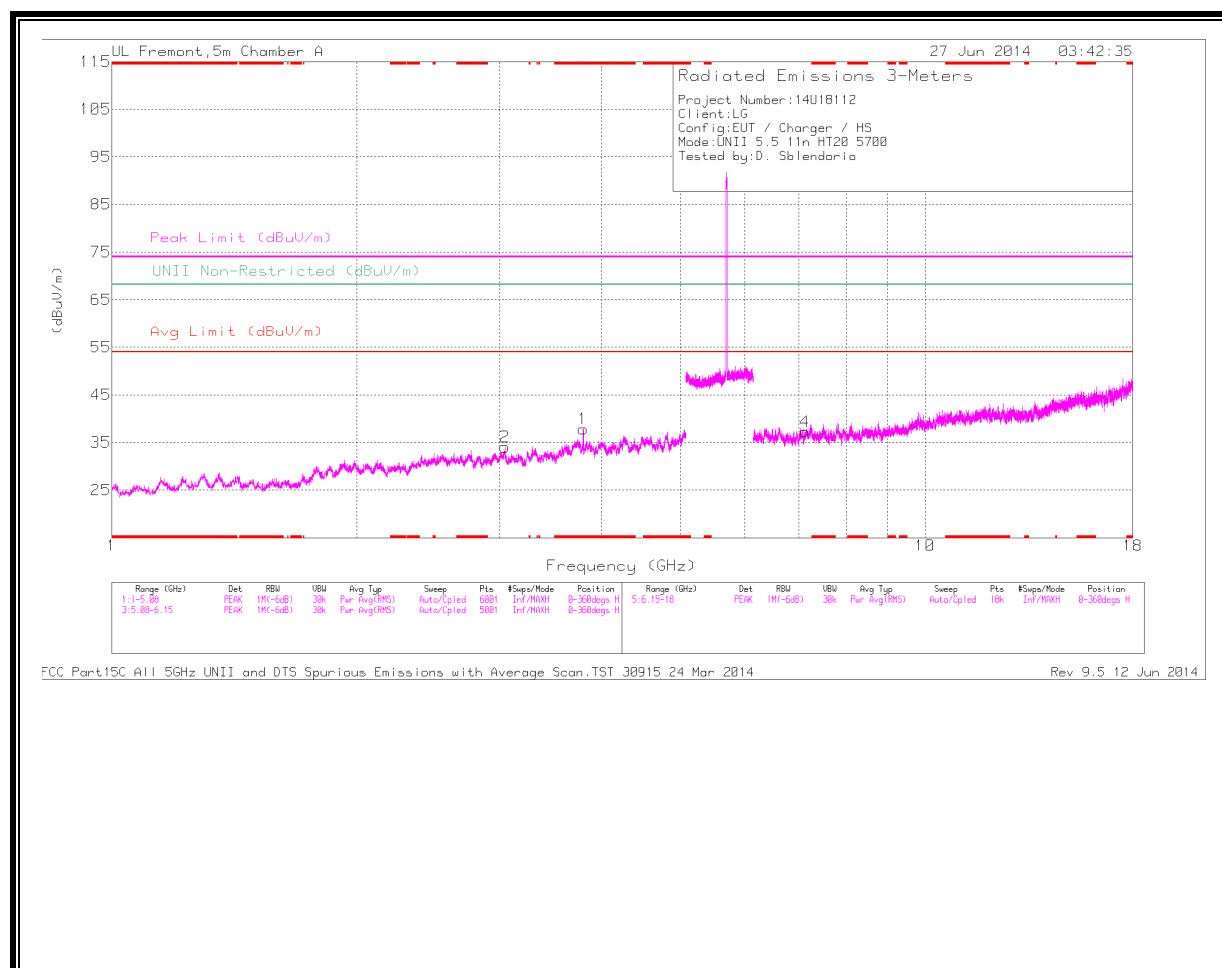
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filr/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
* 11.763	33.68	PK1	38.7	-22.2	0	50.18	-	-	74	-23.82	-	-	360	100	V
* 11.764	22.49	AD1	38.7	-22.3	.22	39.13	54	-14.87	-	-	-	-	360	100	V

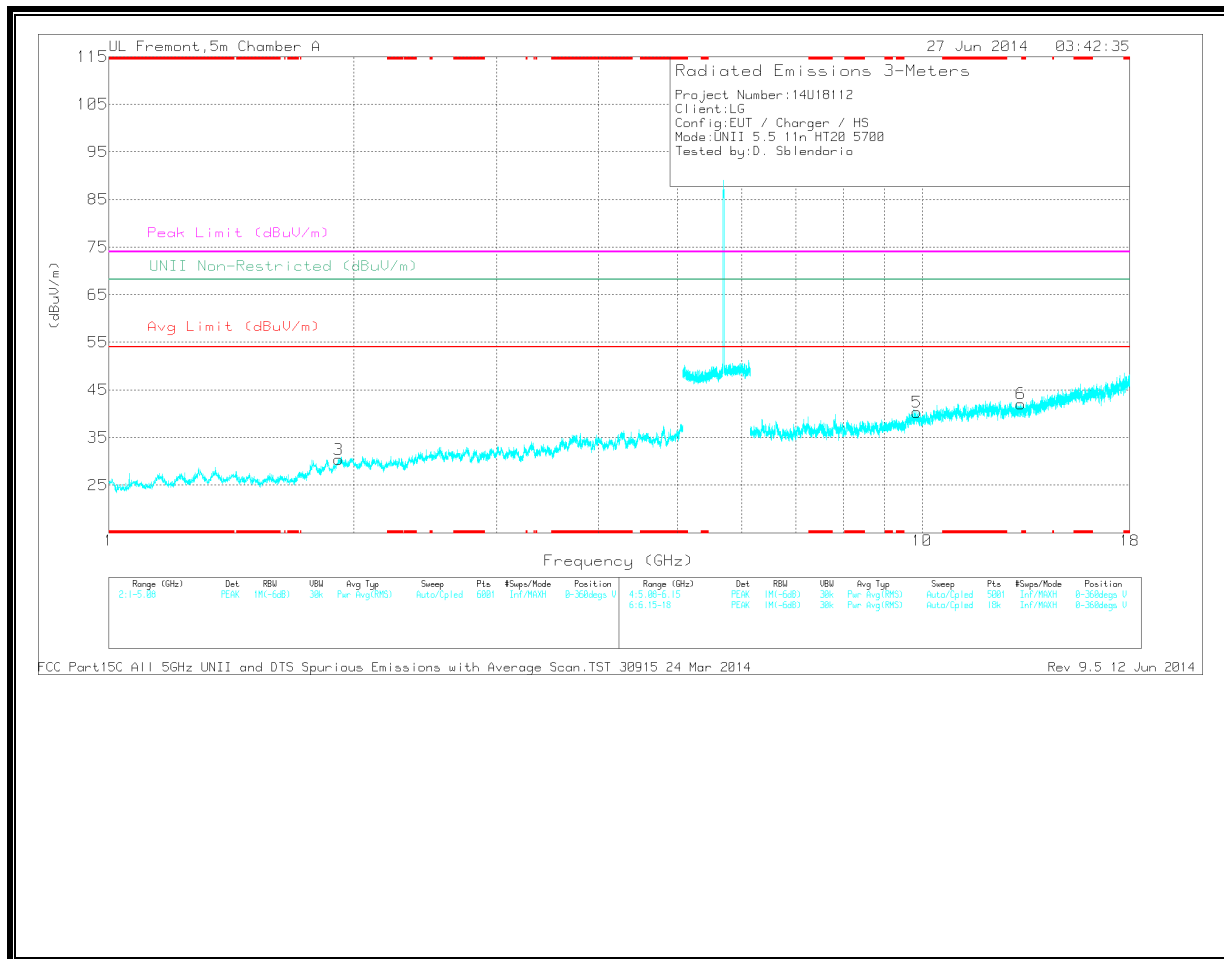
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average



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



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 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	* 3.8	35.67	PK	33.6	-31.4	0	37.87	-	-	74	-36.13	-	-	0-360	201	H
3	1.918	33.16	PK	31.7	-34.5	0	30.36	-	-	-	-	68.2	-37.84	0-360	100	V
2	3.043	32.86	PK	32.8	-31.6	0	34.06	-	-	-	-	68.2	-34.14	0-360	201	H
4	7.117	29.57	PK	35.3	-27.6	0	37.27	-	-	-	-	68.2	-30.93	0-360	201	H
5	9.848	26.52	PK	37	-23.2	0	40.32	-	-	-	-	68.2	-27.88	0-360	201	V
6	13.233	26.68	PK	39.1	-23.7	0	42.08	-	-	-	-	68.2	-26.12	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/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
* 3.8	42.29	PK1	33.6	-31.4	0	44.49	-	-	74	-29.51	-	-	360	202	H
* 3.8	34.66	AD1	33.6	-31.4	.22	37.1	54	-16.9	-	-	-	-	360	202	H

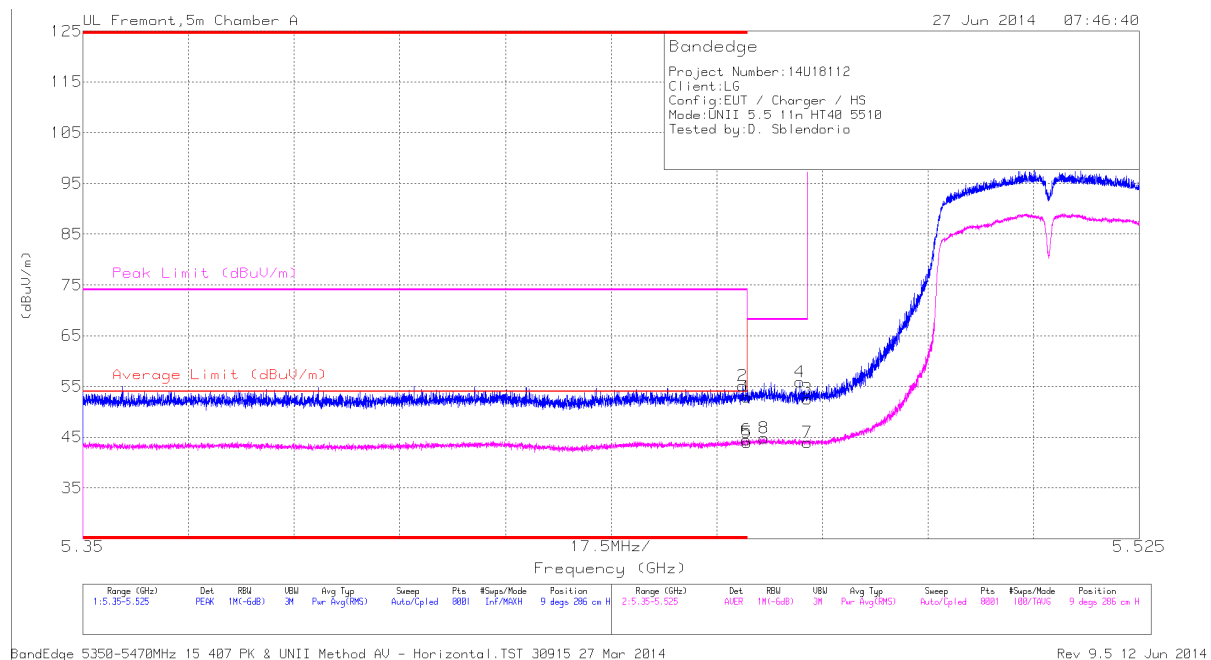
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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

HORIZONTAL



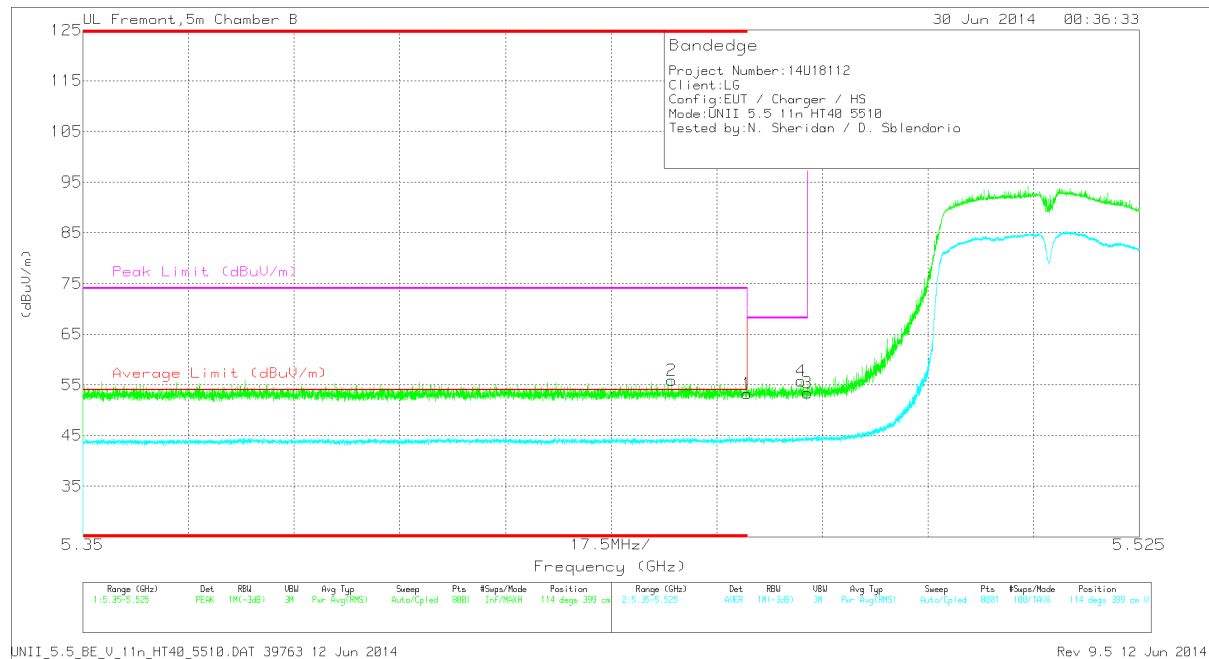
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.25	PK	34.4	-19.8	0	52.85	-	-	74	-21.15	9	286	H
2	* 5.459	40.49	PK	34.4	-19.8	0	55.09	-	-	74	-18.91	9	286	H
5	* 5.46	28.95	RMS	34.4	-19.8	.41	43.96	54	-10.04	-	-	9	286	H
6	* 5.46	29.48	RMS	34.4	-19.8	.41	44.49	54	-9.51	-	-	9	286	H
8	5.463	29.74	RMS	34.4	-19.7	.41	44.85	-	-	-	-	9	286	H
4	5.469	41.64	PK	34.4	-20.2	0	55.84	-	-	68.2	-12.36	9	286	H
3	5.47	38.41	PK	34.4	-20.3	0	52.51	-	-	68.2	-15.69	9	286	H
7	5.47	29.47	RMS	34.4	-20.3	.41	43.98	-	-	-	-	9	286	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 T119 (dB/m)	Amp/Cbl/Filt 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	* 5.448	42.49	PK	34.8	-21.4	0	55.89	-	-	74	-18.11	114	399	V
6	* 5.457	31.02	RMS	34.8	-21.4	.41	44.83	54	-9.17	-	-	114	399	V
1	* 5.46	39.82	PK	34.8	-21.4	0	53.22	-	-	74	-20.78	114	399	V
5	* 5.46	30.24	RMS	34.8	-21.4	.41	44.05	54	-9.95	-	-	114	399	V
8	5.468	30.84	RMS	34.8	-21.3	.41	44.75	-	-	-	-	114	399	V
4	5.469	42.29	PK	34.8	-21.3	0	55.79	-	-	68.2	-12.41	114	399	V
3	5.47	39.88	PK	34.8	-21.3	0	53.38	-	-	68.2	-14.82	114	399	V
7	5.47	30.29	RMS	34.8	-21.3	.41	44.2	-	-	-	-	114	399	V

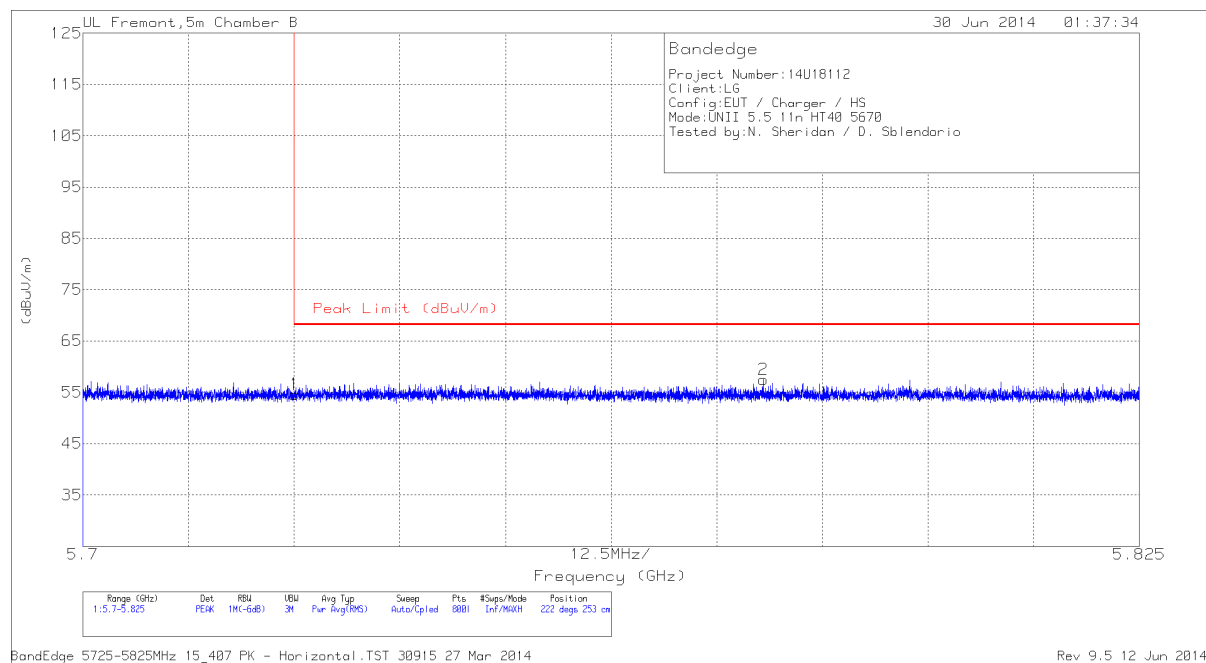
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

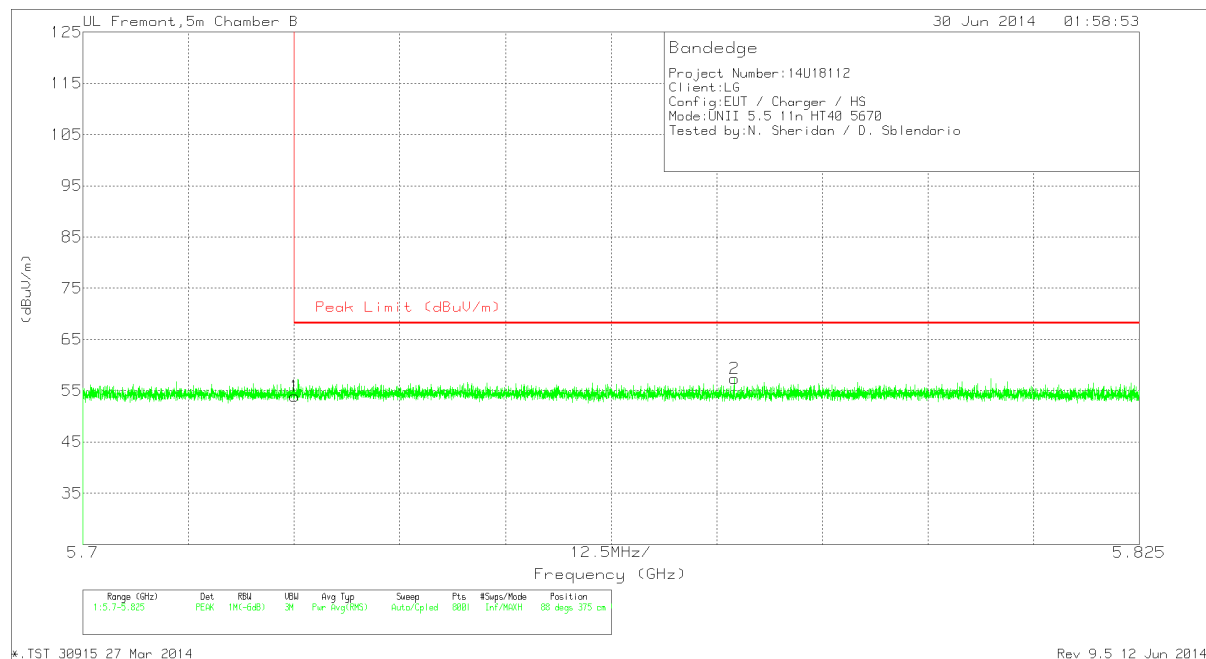
HORIZONTAL



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	39.9	PK	34.6	-19.9	0	54.6	68.2	-13.6	222	253	H
2	5.781	42.54	PK	34.7	-19.8	0	57.44	68.2	-10.76	222	253	H

PK - Peak detector

VERTICAL

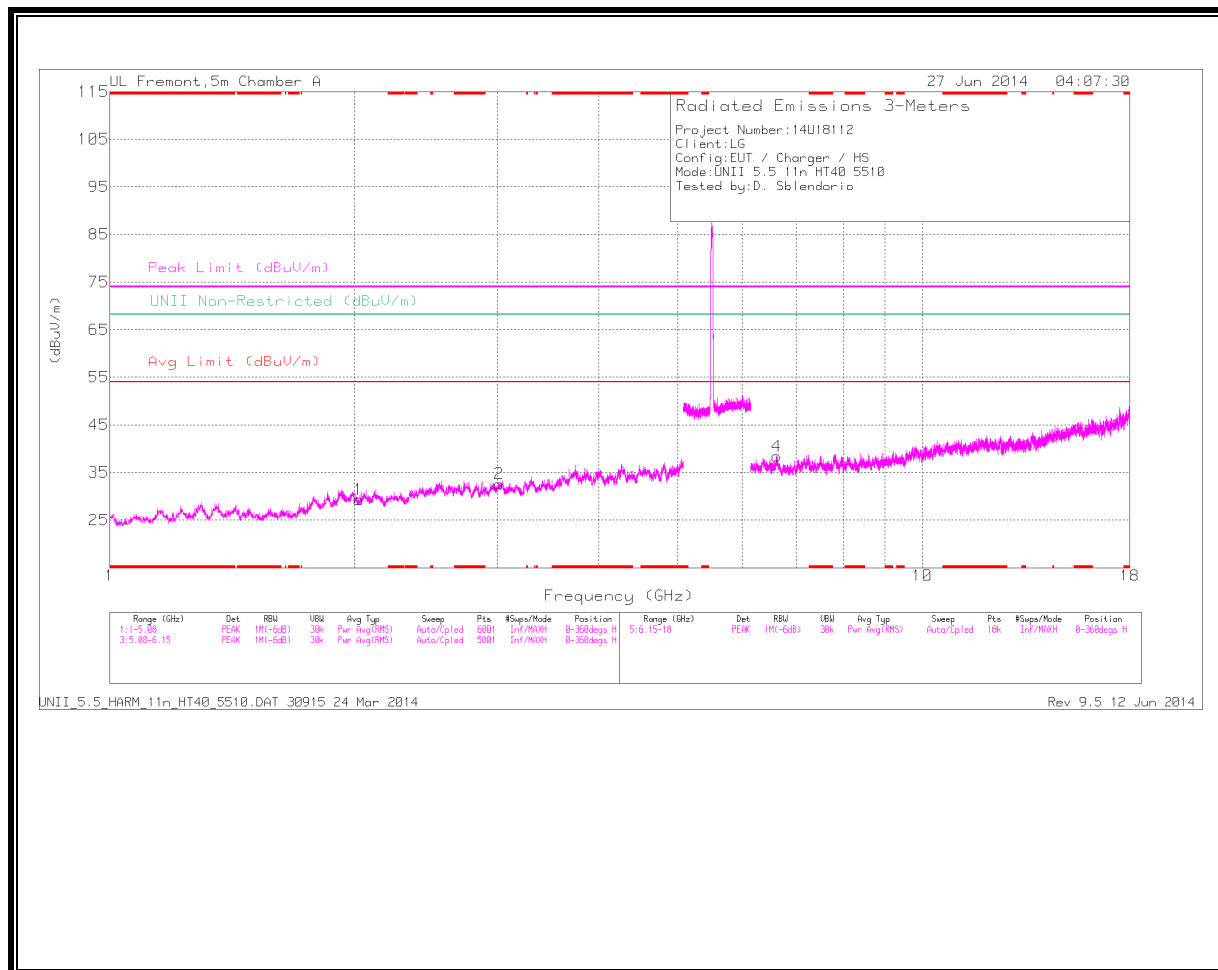


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.23	PK	34.6	-19.9	0	53.93	68.2	-14.27	88	375	V
2	5.777	42.5	PK	34.7	-19.8	0	57.4	68.2	-10.8	88	375	V

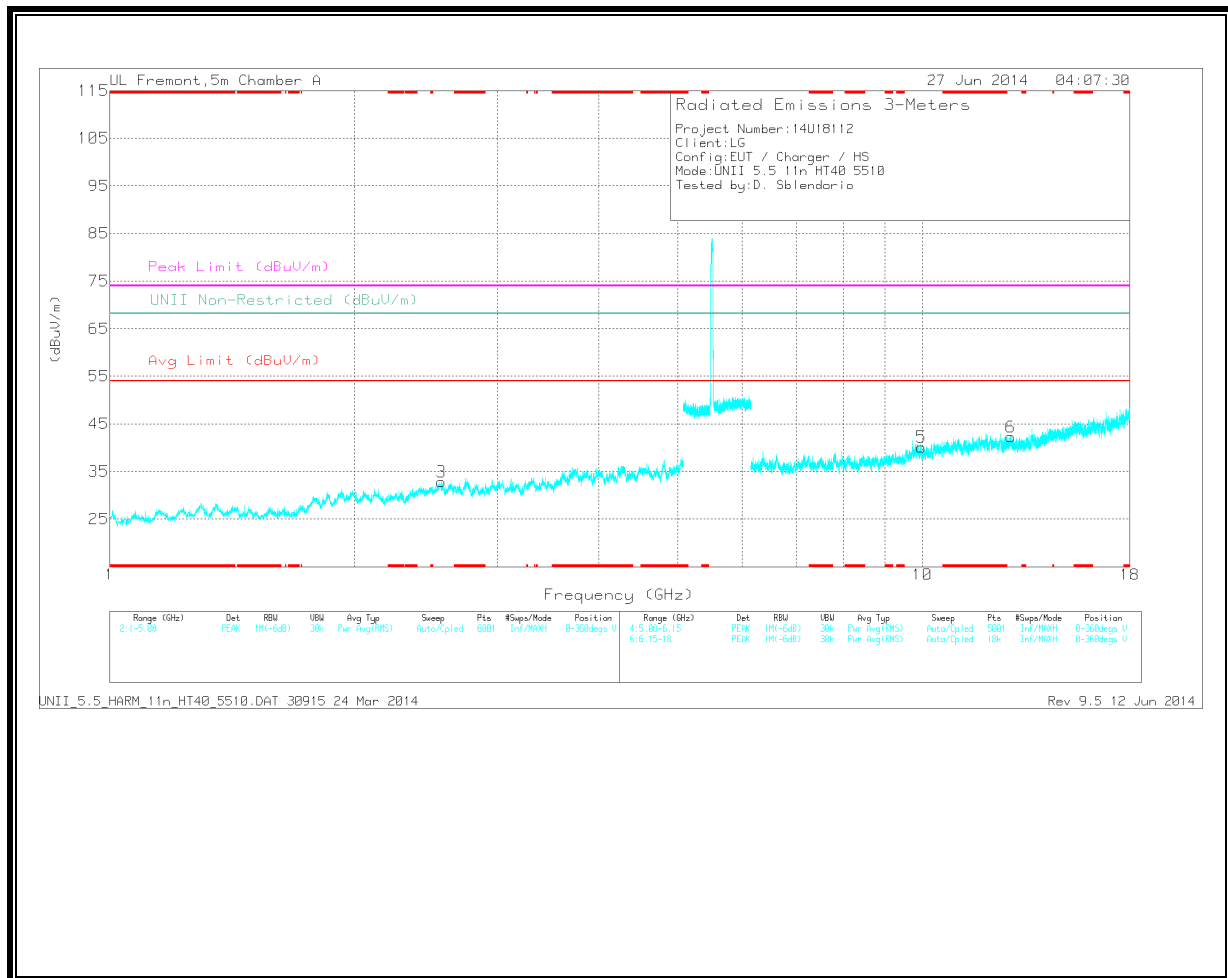
PK - Peak detector

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.



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LOW CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Flt r/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	2.025	32.83	PK	32	-35.5	0	29.33	-	-	-	-	68.2	-38.87	0-360	100	H
3	2.561	33.24	PK	32.9	-33.3	0	32.84	-	-	-	-	68.2	-35.36	0-360	201	V
2	3.017	31.23	PK	32.8	-31.4	0	32.63	-	-	-	-	68.2	-35.57	0-360	201	H
4	6.619	28.71	PK	35.5	-25.8	0	38.41	-	-	-	-	68.2	-29.79	0-360	201	H
5	9.967	26.45	PK	37.1	-23.4	0	40.15	-	-	-	-	68.2	-28.05	0-360	100	V
6	12.84	25.45	PK	39	-22.2	0	42.25	-	-	-	-	68.2	-25.95	0-360	201	V

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

PK - Peak detector

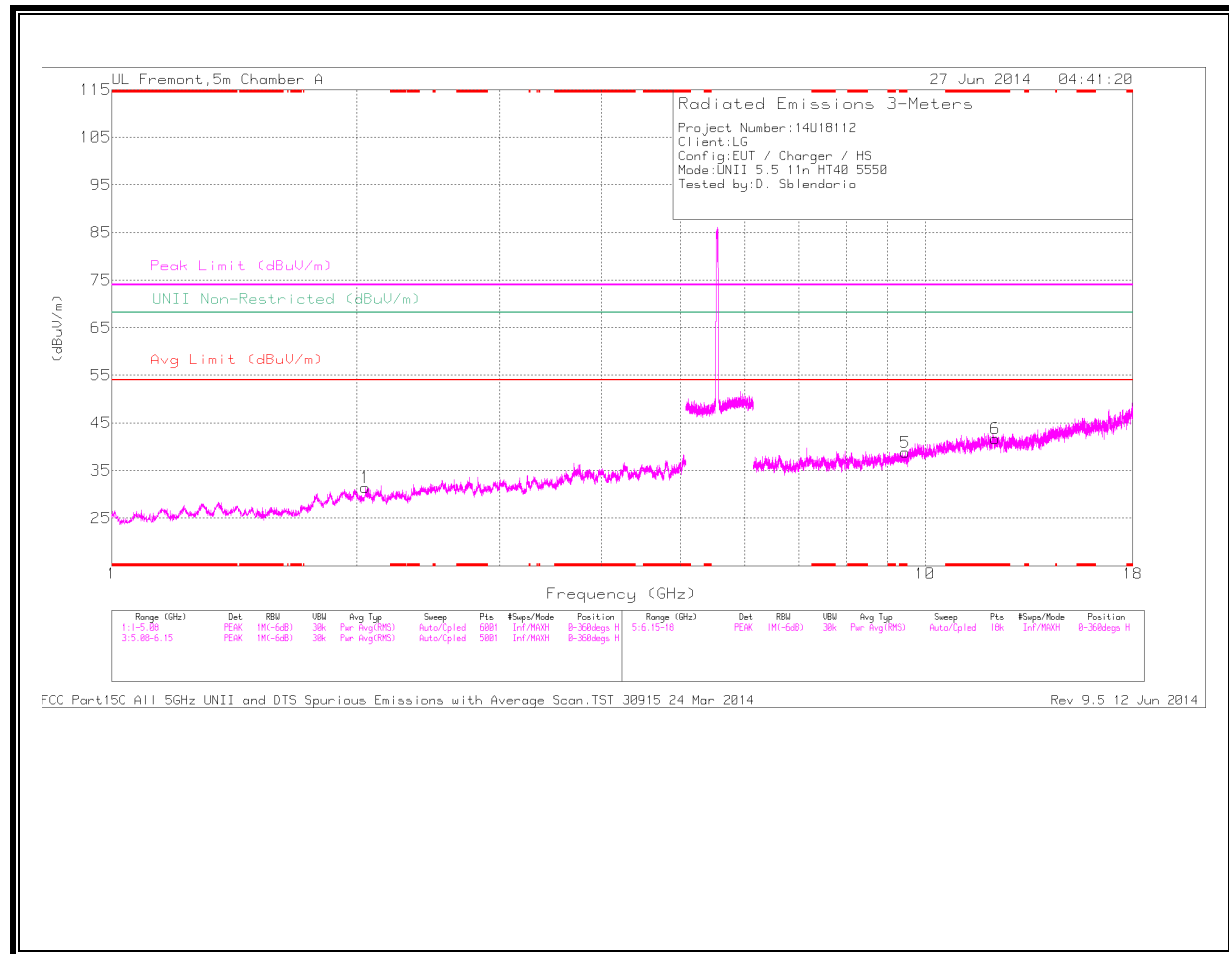
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Flt r/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
2.023	29.78	AD1	32	-35.6	.41	26.59	-	-	-	-	-	-	359	100	H
2.024	41.08	PK1	32	-35.5	0	37.58	-	-	-	-	68.2	-30.62	359	100	H

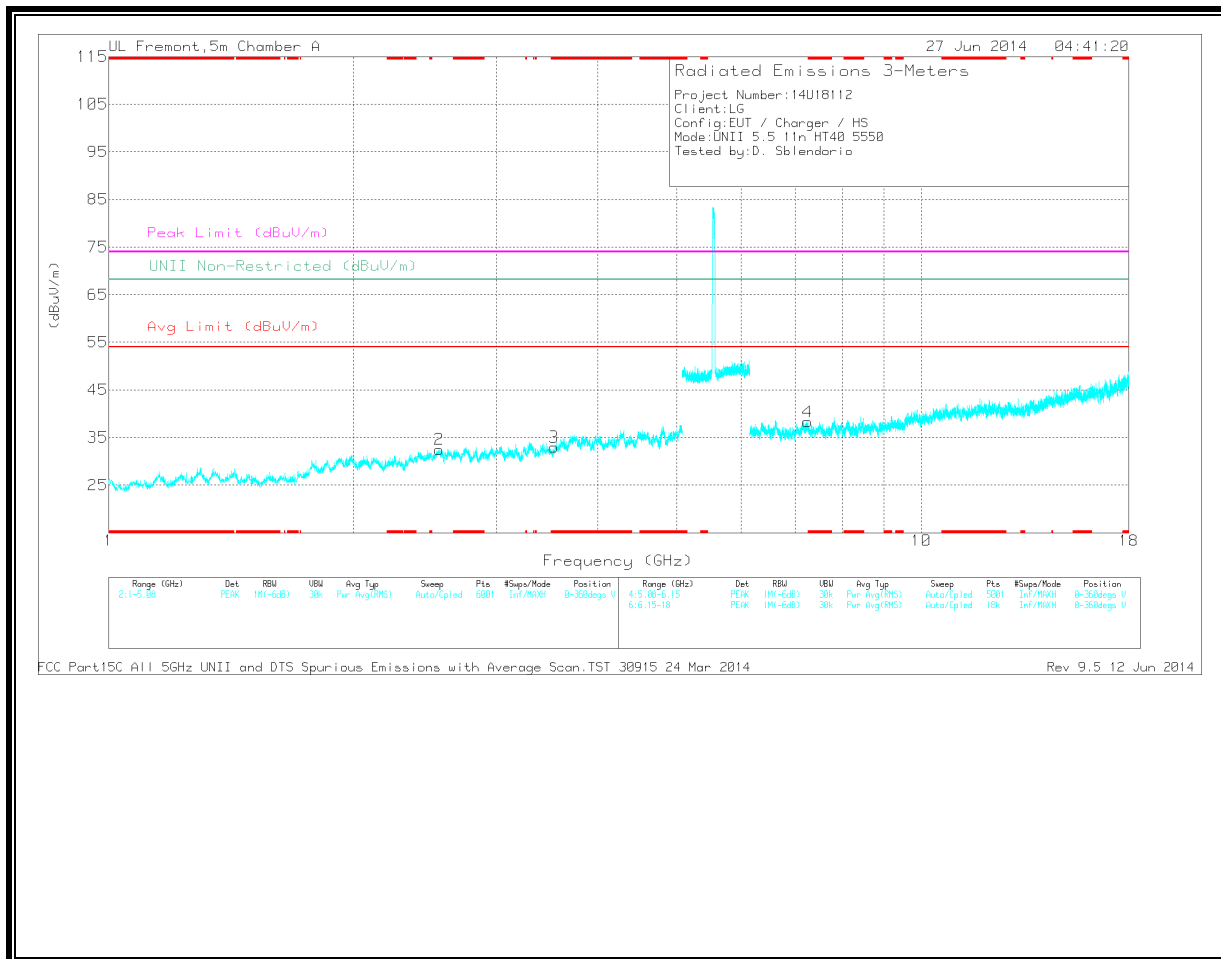
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average



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



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/Filr/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	* 3.53	31.47	PK	33.1	-31.6	0	32.97	-	-	74	-41.03	-	-	0-360	201	V
5	* 9.449	27.22	PK	36.5	-24.9	0	38.82	-	-	74	-35.18	-	-	0-360	201	H
6	* 12.195	25.6	PK	38.8	-22.7	0	41.7	-	-	74	-32.3	-	-	0-360	201	H
1	2.05	34.57	PK	31.9	-35	0	31.47	-	-	-	-	68.2	-36.73	0-360	100	H
2	2.551	32.2	PK	32.9	-32.6	0	32.5	-	-	-	-	68.2	-35.7	0-360	201	V
4	7.247	28.48	PK	35.2	-25.4	0	38.28	-	-	-	-	68.2	-29.92	0-360	100	V

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

PK - Peak detector

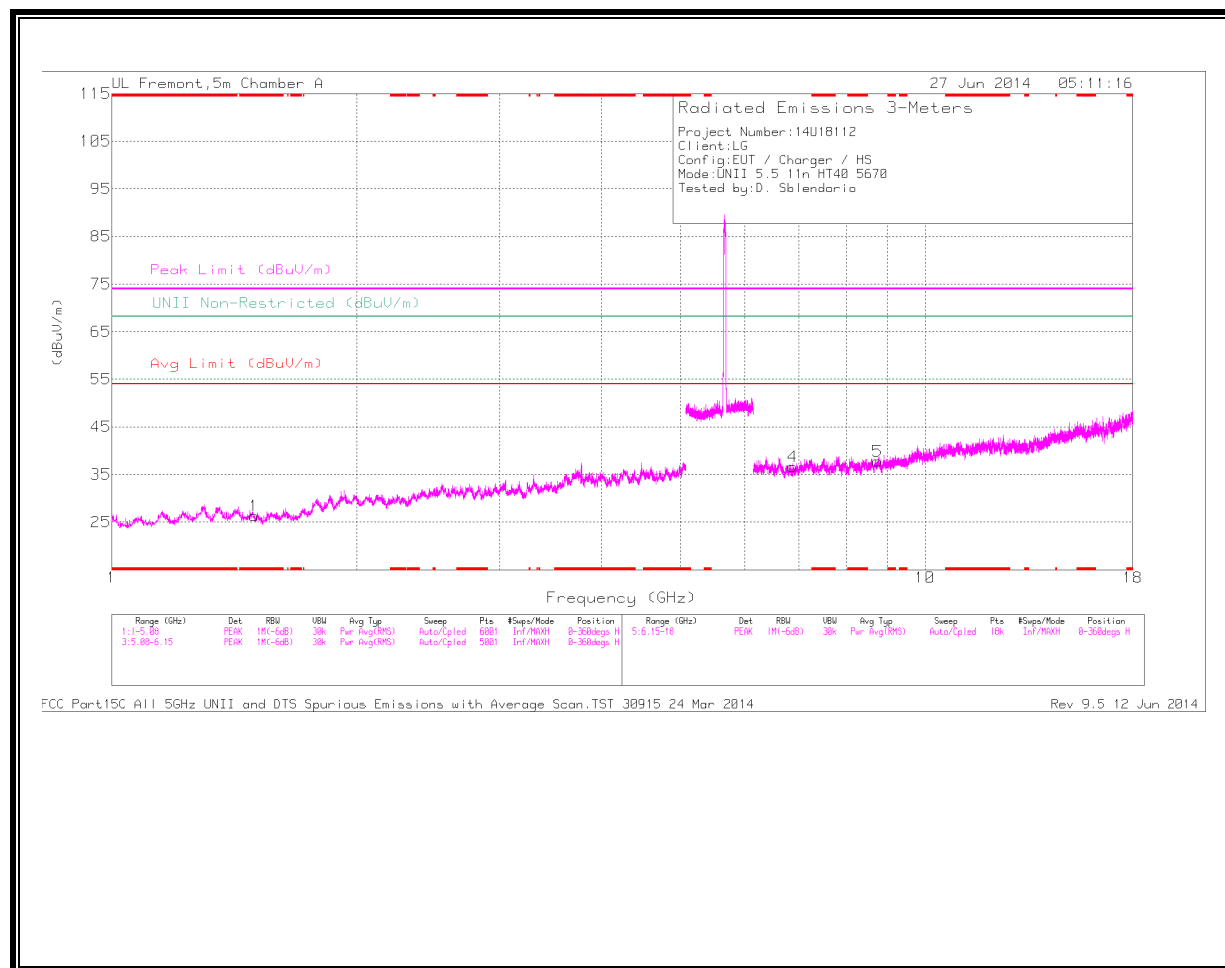
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filr/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
* 3.53	39.24	PK1	33.1	-31.6	0	40.74	-	-	74	-33.26	-	-	1	202	V
* 3.53	28.11	AD1	33.1	-31.6	.41	30.02	54	-23.98	-	-	-	-	1	202	V

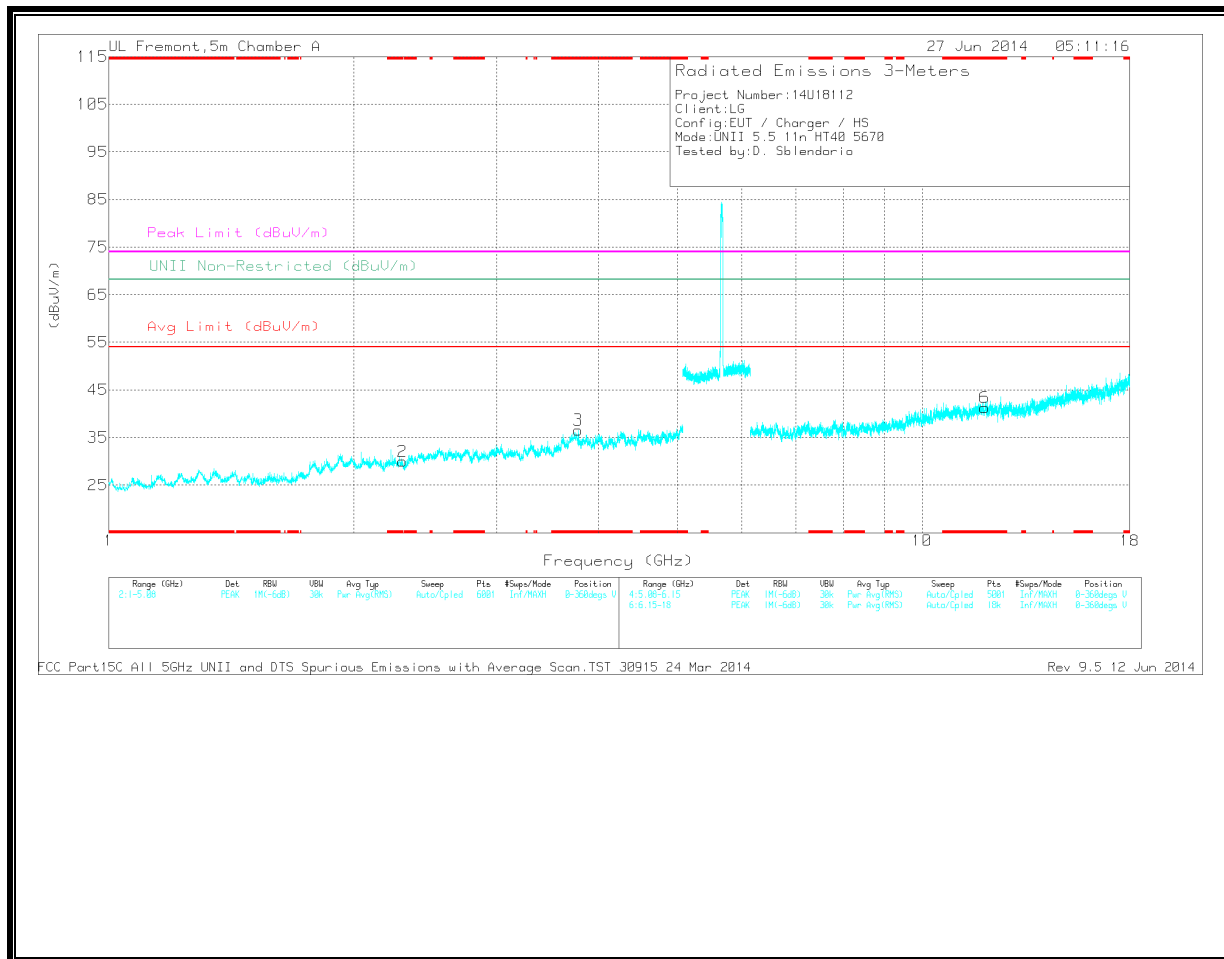
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average



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



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 T136 (dB/m)	Amp/Cbl/Filr/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	* 1.496	33.91	PK	28.8	-36.4	0	26.31	-	-	74	-47.69	-	-	0-360	201	H
2	* 2.297	32.7	PK	31.5	-34.2	0	30	-	-	74	-44	-	-	0-360	201	V
3	* 3.78	33.96	PK	33.6	-31	0	36.56	-	-	74	-37.44	-	-	0-360	201	V
6	* 11.938	25.01	PK	38.9	-22.6	0	41.31	-	-	74	-32.69	-	-	0-360	201	V
4	6.872	29.12	PK	35.3	-27.8	0	36.62	-	-	-	-	68.2	-31.58	0-360	201	H
5	8.742	27.57	PK	35.8	-25.6	0	37.77	-	-	-	-	68.2	-30.43	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 T136 (dB/m)	Amp/Cbl/Filr/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
* 1.494	42.13	PK1	28.8	-36.3	0	34.63	-	-	74	-39.37	-	-	1	200	H
* 1.494	31.23	AD1	28.8	-36.3	.41	24.14	54	-29.86	-	-	-	-	1	200	H

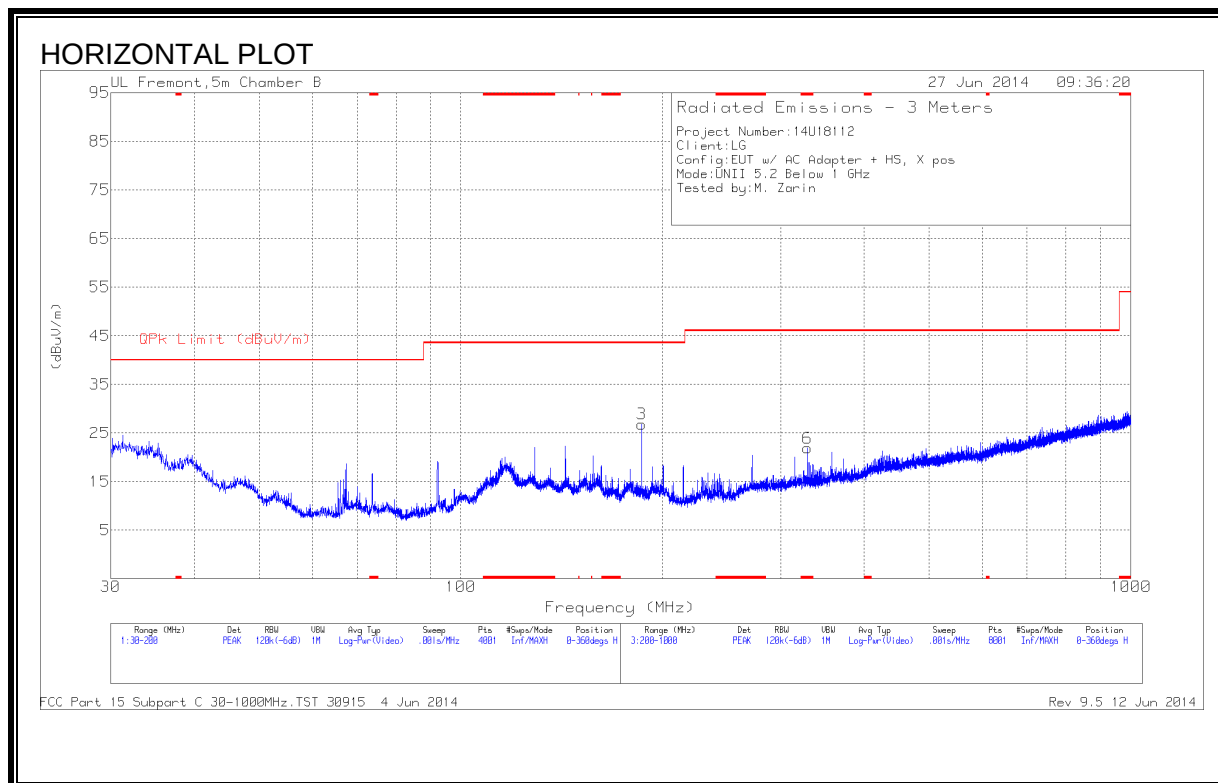
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

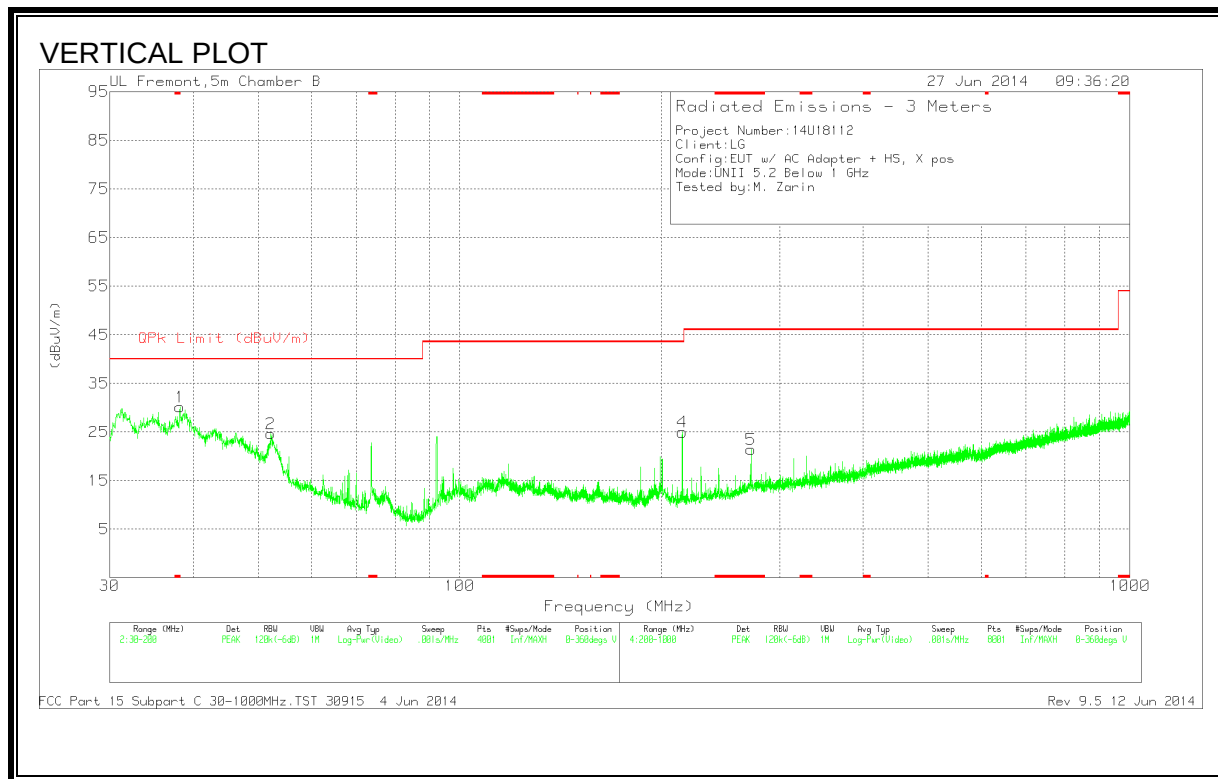
AD1 - KDB789033 Method: AD Primary Power Average

11. WORST-CASE BELOW 1 GHz (in the 5.2 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
1	* 38.2025	43.55	PK	15.3	-28.7	0	30.15	40	-9.85	0-360	101	V
6	* 329.3	33.69	PK	14	-25.8	0	21.89	46.02	-24.13	0-360	200	H
5	* 272	34.3	PK	13.3	-26.2	0	21.4	46.02	-24.62	0-360	101	V
2	52.185	45.76	PK	7.5	-28.6	0	24.66	40	-15.34	0-360	101	V
3	186.145	42.93	PK	10.9	-27	0	26.83	43.52	-16.69	0-360	100	H
4	214.8	41.19	PK	10.6	-26.8	0	24.99	43.52	-18.53	0-360	200	V

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

PK - Peak detector