FCC 47 CFR PART 15 SUBPART E

C2PC CERTIFICATION TEST REPORT

FOR

CDMA/LTE Phone + Bluetooth & DTS/UNII a/b/g/n + NFC

MODEL NUMBER: LG-VS880, VS880, LGVS880

FCC ID: ZNFVS880

REPORT NUMBER: 14U17461-5

ISSUE DATE: June 16, 2014

Prepared for
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NVLAP LAB CODE 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
-	06/16/14	Initial Issue	P. Kim

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: **LG ELECTRONICS MOBILECOMM U.S.A., INC**

EUT DESCRIPTION: **CDMA/LTE Phone + Bluetooth & DTS/UNII a/b/g/n + NFC**

MODEL: **LG-VS880, VS880, LGVS880**

SERIAL NUMBER: **1879444**

DATE TESTED: **MAY 20- JUNE 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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CONSUMER TECHNOLOGY DIVISION
LAB TECHNICIAN
UL Verification Services Inc.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15, ANSI C63.4-2009.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 Benicia Street, Fremont, California, USA.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at http://www.ccsemc.com.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)

36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	3.52 dB
Radiated Disturbance, 30 to 18000 MHz	4.94 dB

Uncertainty figures are valid to a confidence level of 95%.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a CDMA/LTE Phone + Bluetooth & DTS/UNII a/b/g/n + 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	11.26	13.37
5180-5240	802.11n HT20	11.18	13.12
5190-5230	802.11n HT40	10.72	11.80
5260-5320	802.11a	11.02	12.65
5260-5320	802.11n HT20	10.95	12.45
5270-5310	802.11n HT40	10.4	10.96
5500-5700	802.11a	10.98	12.53
5500-5700	802.11n HT20	10.78	11.97
5510-5670	802.11n HT40	10.36	10.86

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an FPCB antenna, with a maximum gain of -4.27 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

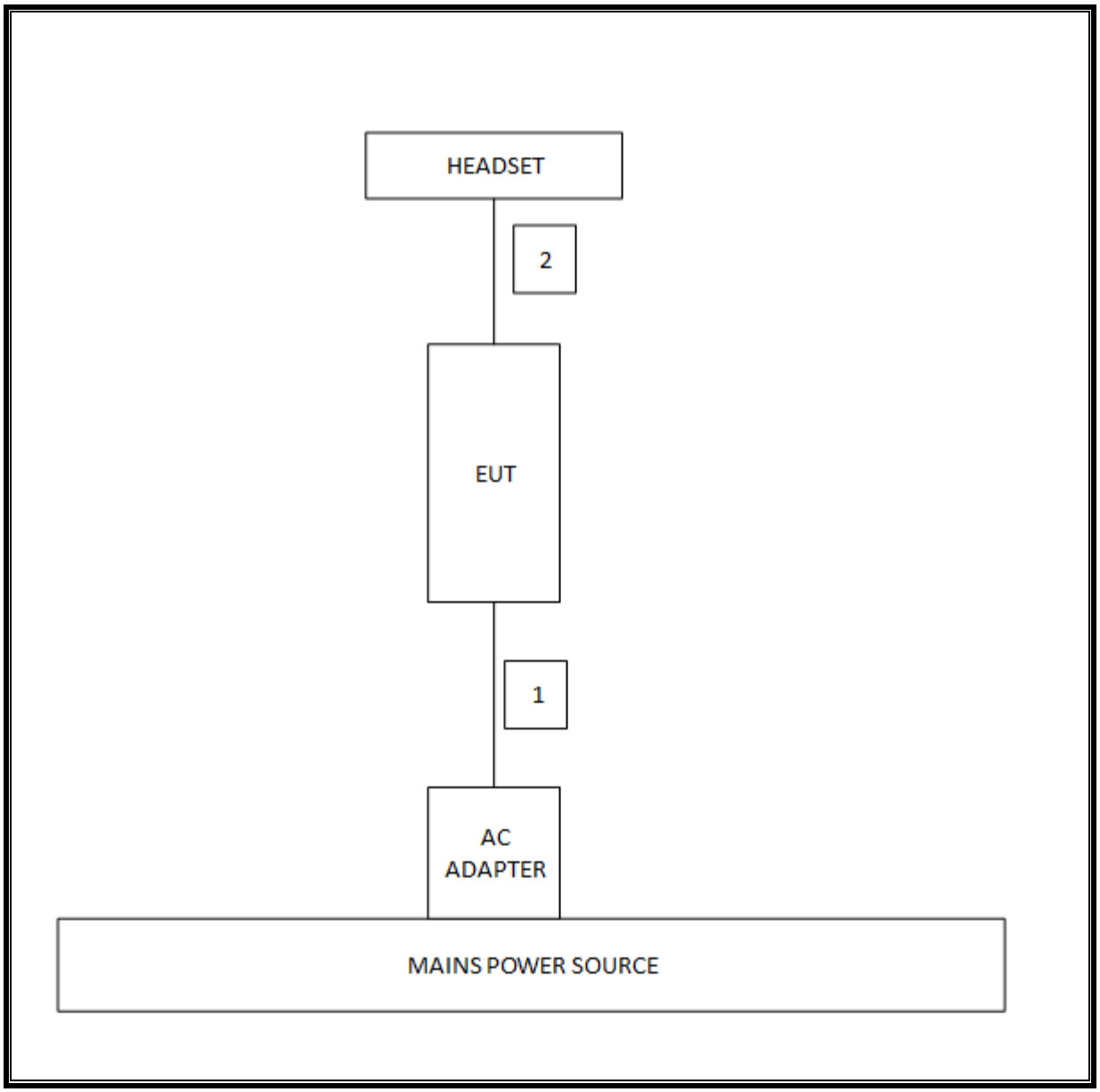
I/O CABLES

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	06/28/14
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
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 5.2GHz <11dBm for 5.3,5.5GHz		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	45.41dBuV/m
15.407 (h)(2)	Dynamic Frequency Selection	N/A	Radiated / Condcuted	Pass	see original

8. ON TIME, DUTY CYCLE AND MEASUREMENT METHODS

LIMITS

None; for reporting purposes only.

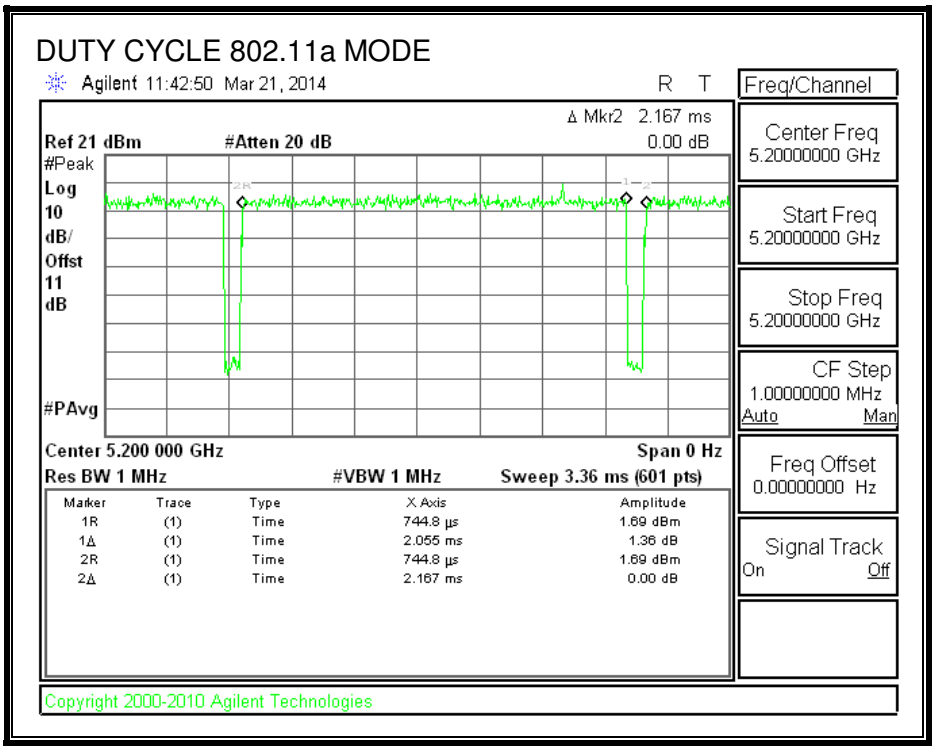
PROCEDURE

KDB 789033 Zero-Span Spectrum Analyzer Method.

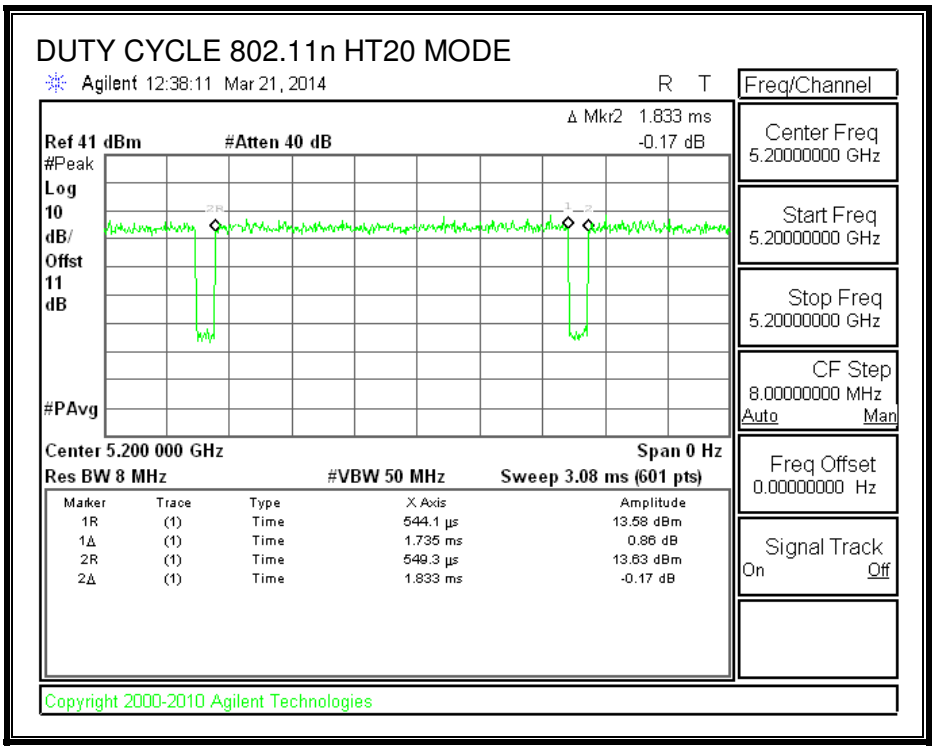
8.1. ON TIME AND DUTY CYCLE RESULTS(From original)

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	2.06	2.17	0.948	94.8%	0.23	0.487
802.11n HT20	1.74	2	0.947	94.7%	0.24	0.576
802.11n HT40	0.85	1	0.896	89.6%	0.48	1.182

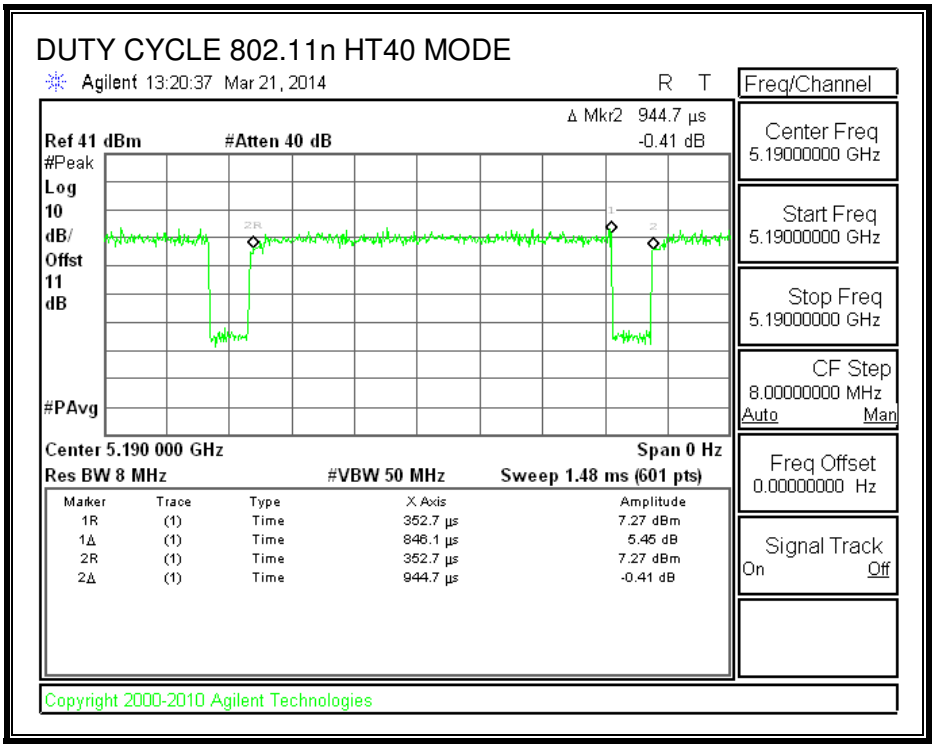
8.2. DUTY CYCLE PLOTS



DUTY CYCLE 802.11n HT20 MODE



DUTY CYCLE 802.11n HT40 MODE



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.

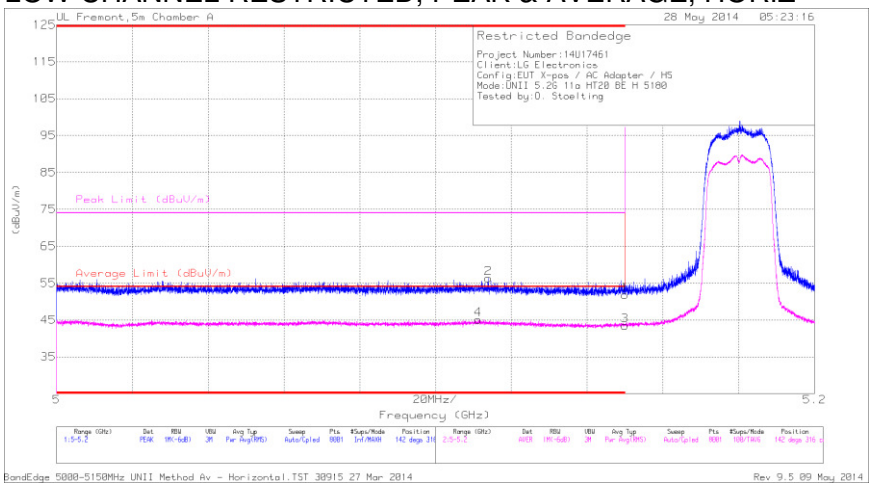
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

LOW CHANNEL RESTRICTED, PEAK & AVERAGE, HORIZ

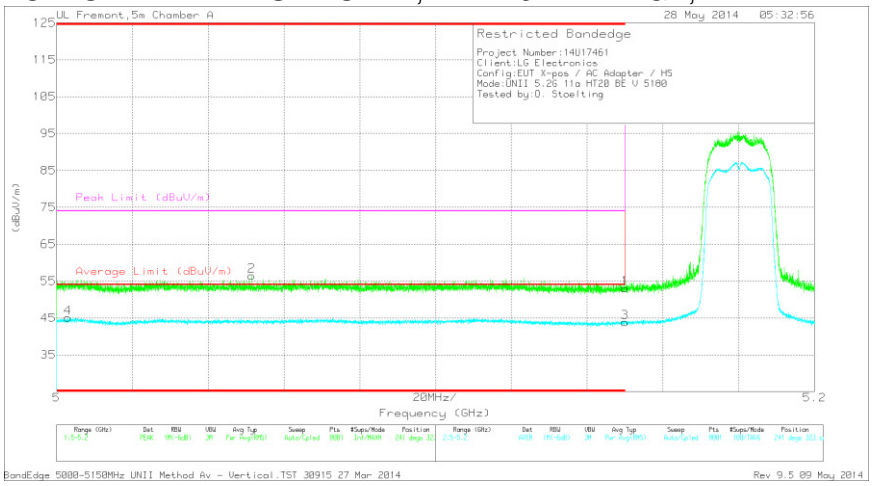


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.27	PK	34	-20.5	0	51.77	-	-	74	-22.23	142	316	H
2	* 5.114	42.52	PK	33.9	-20.1	0	56.32	-	-	74	-17.68	142	316	H
3	* 5.15	29.75	RMS	34	-20.5	.2	43.45	54	-10.55	-	-	142	316	H
4	* 5.111	31.01	RMS	33.9	-20	.2	45.11	54	-8.89	-	-	142	316	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

LOW CHANNEL RESTRICTED, PEAK & AVERAGE, VERT



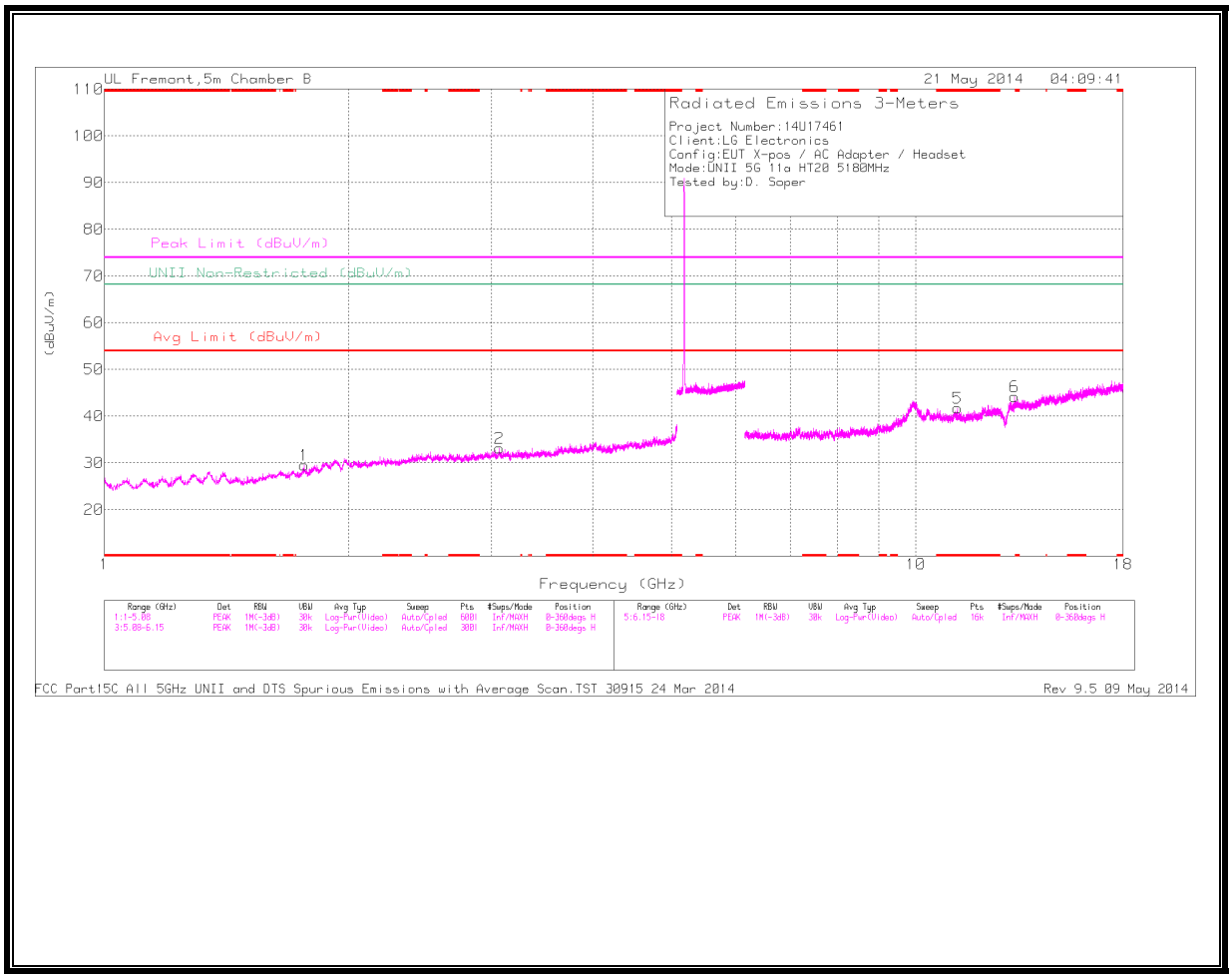
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.55	PK	34	-20.5	0	53.05	-	-	74	-20.95	241	323	V
2	* 5.051	42.96	PK	33.8	-20.3	0	56.46	-	-	74	-17.54	241	323	V
3	* 5.15	30.12	RMS	34	-20.5	.2	43.82	54	-10.18	-	-	241	323	V
4	* 5.003	30.66	RMS	33.9	-19.7	.2	45.06	54	-8.94	-	-	241	323	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

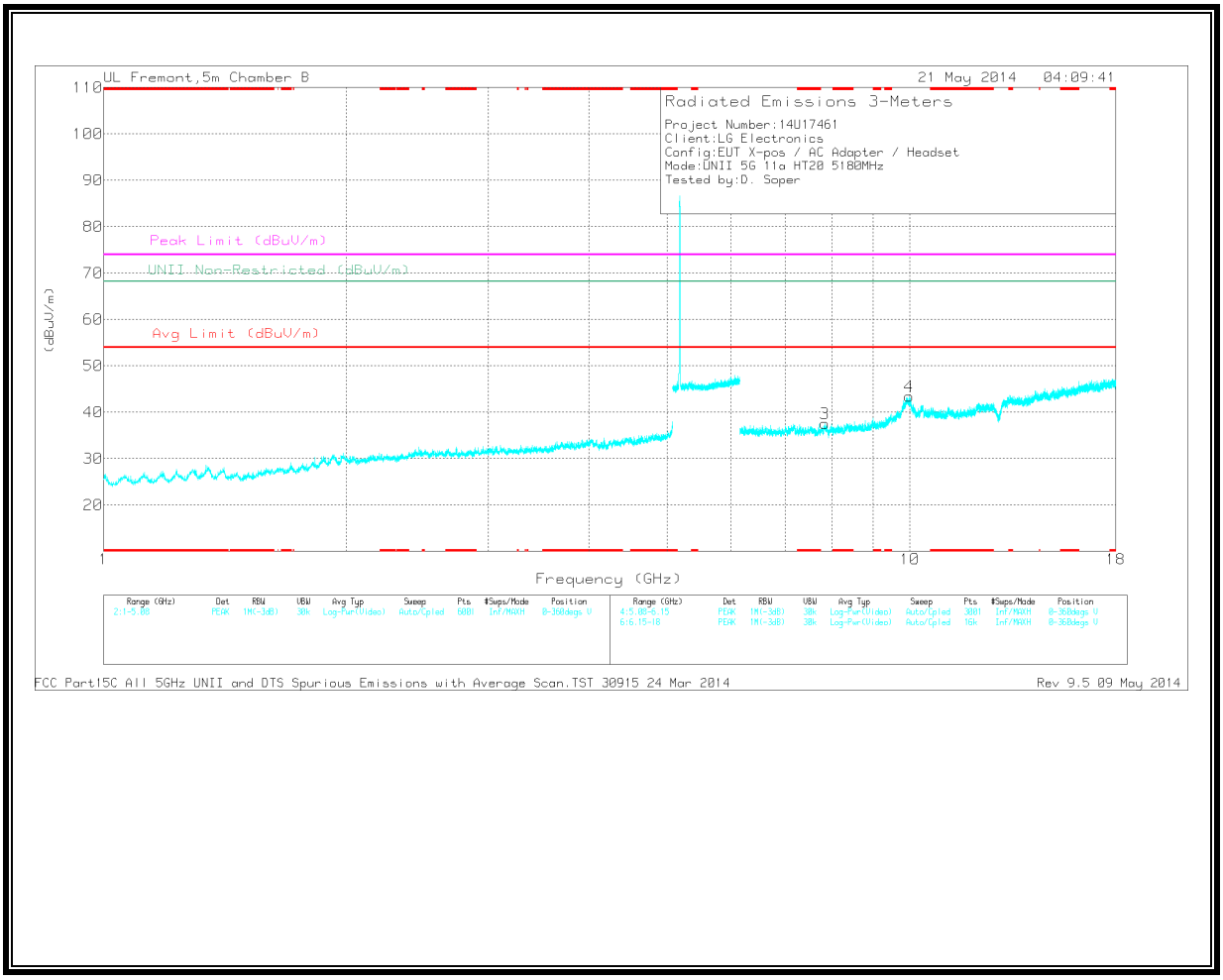
HARMONICS AND SPURIOUS EMISSIONS

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
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 11.253	25.68	PK	37.9	-21.9	0	41.68	-	-	74	-32.32	-	-	0-360	202	H
1	1.763	33.71	PK	29.8	-34	0	29.51	-	-	-	-	68.2	-38.69	0-360	202	H
2	3.066	32.58	PK	32.8	-32.2	0	33.18	-	-	-	-	68.2	-35.02	0-360	99	H
3	7.847	28.28	PK	35.7	-26.4	0	37.58	-	-	-	-	68.2	-30.62	0-360	99	V
4	9.974	30.41	PK	37	-24	0	43.41	-	-	-	-	68.2	-24.79	0-360	202	V
6	13.226	26.47	PK	39.2	-21.5	0	44.17	-	-	-	-	68.2	-24.03	0-360	99	H

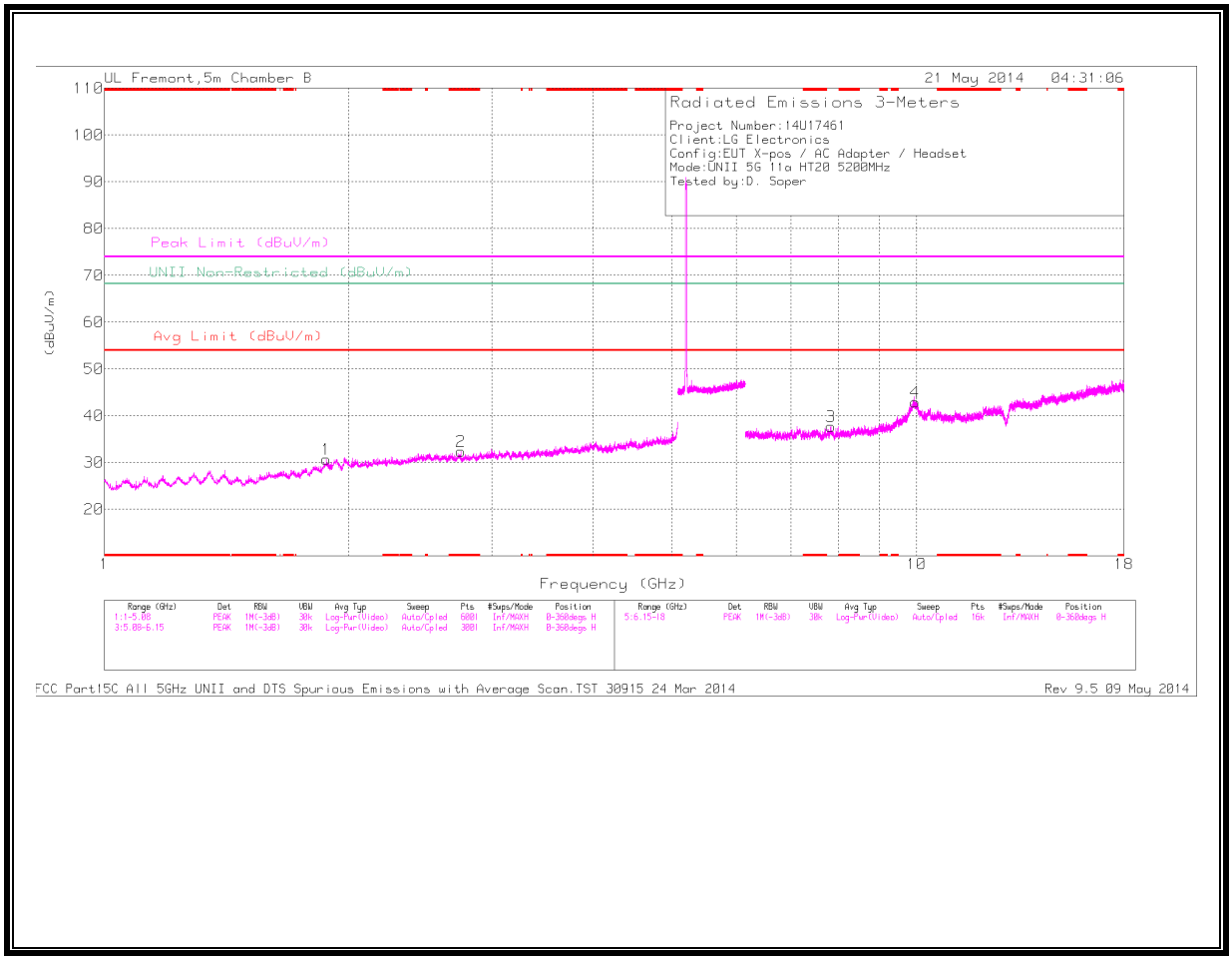
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.252	35.08	PK1	37.9	-21.9	0	51.08	-	-	74	-22.92	-	-	1	204	H
* 11.253	22.54	AD1	37.9	-21.9	.2	38.84	54	-15.16	-	-	-	-	1	204	H

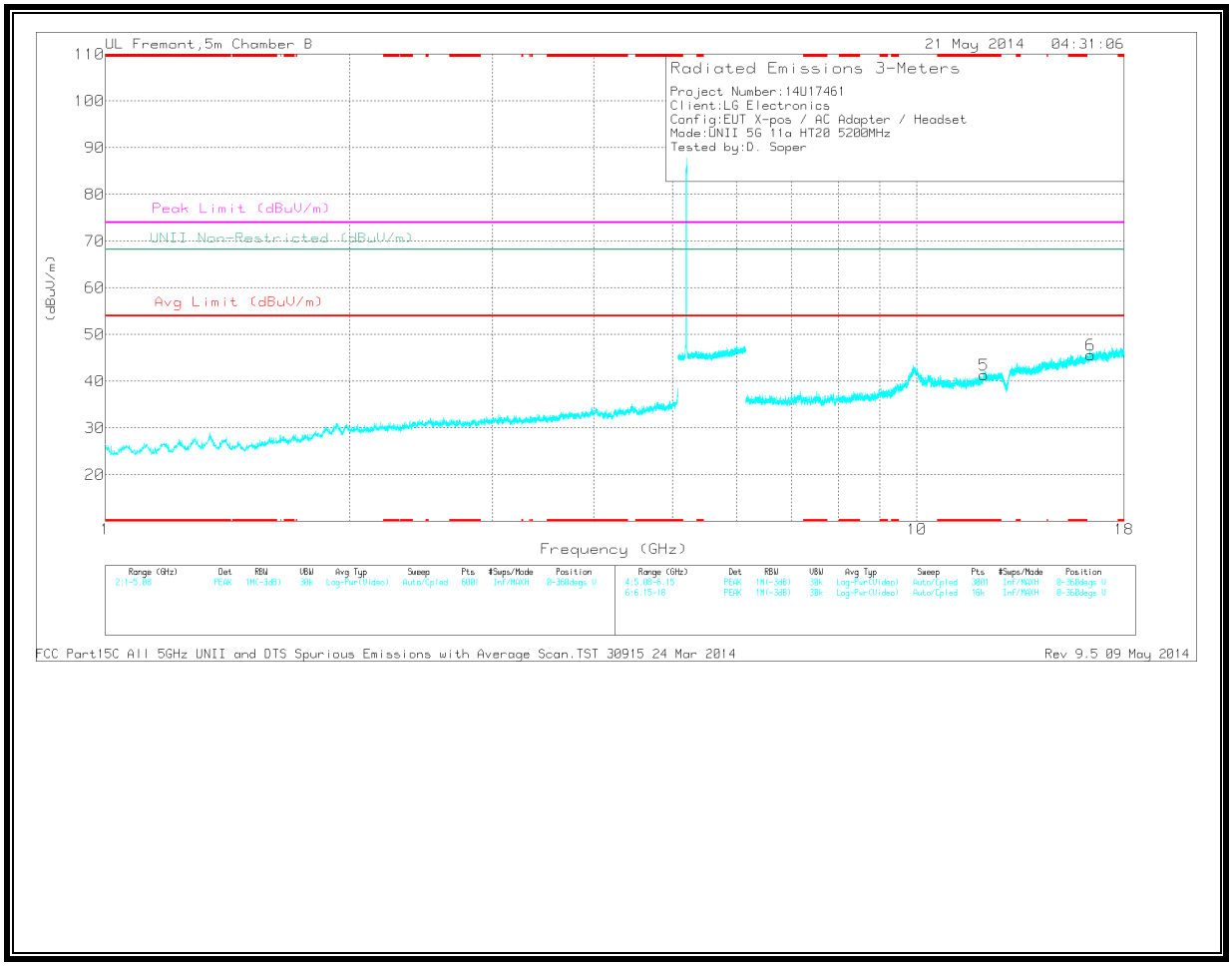
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.746	32.37	PK	32.2	-32.2	0	32.37	-	-	74	-41.63	-	-	0-360	201	H
5	* 12.101	24.11	PK	38.8	-21.6	0	41.31	-	-	74	-32.69	-	-	0-360	99	V
1	1.877	32.94	PK	30.9	-33.1	0	30.74	-	-	-	-	68.2	-37.46	0-360	201	H
3	7.841	28.41	PK	35.7	-26.4	0	37.71	-	-	-	-	68.2	-30.49	0-360	99	H
4	9.957	30.01	PK	37	-24.1	0	42.91	-	-	-	-	68.2	-25.29	0-360	99	H
6	16.381	24.19	PK	41.3	-19.8	0	45.69	-	-	-	-	68.2	-22.51	0-360	202	V

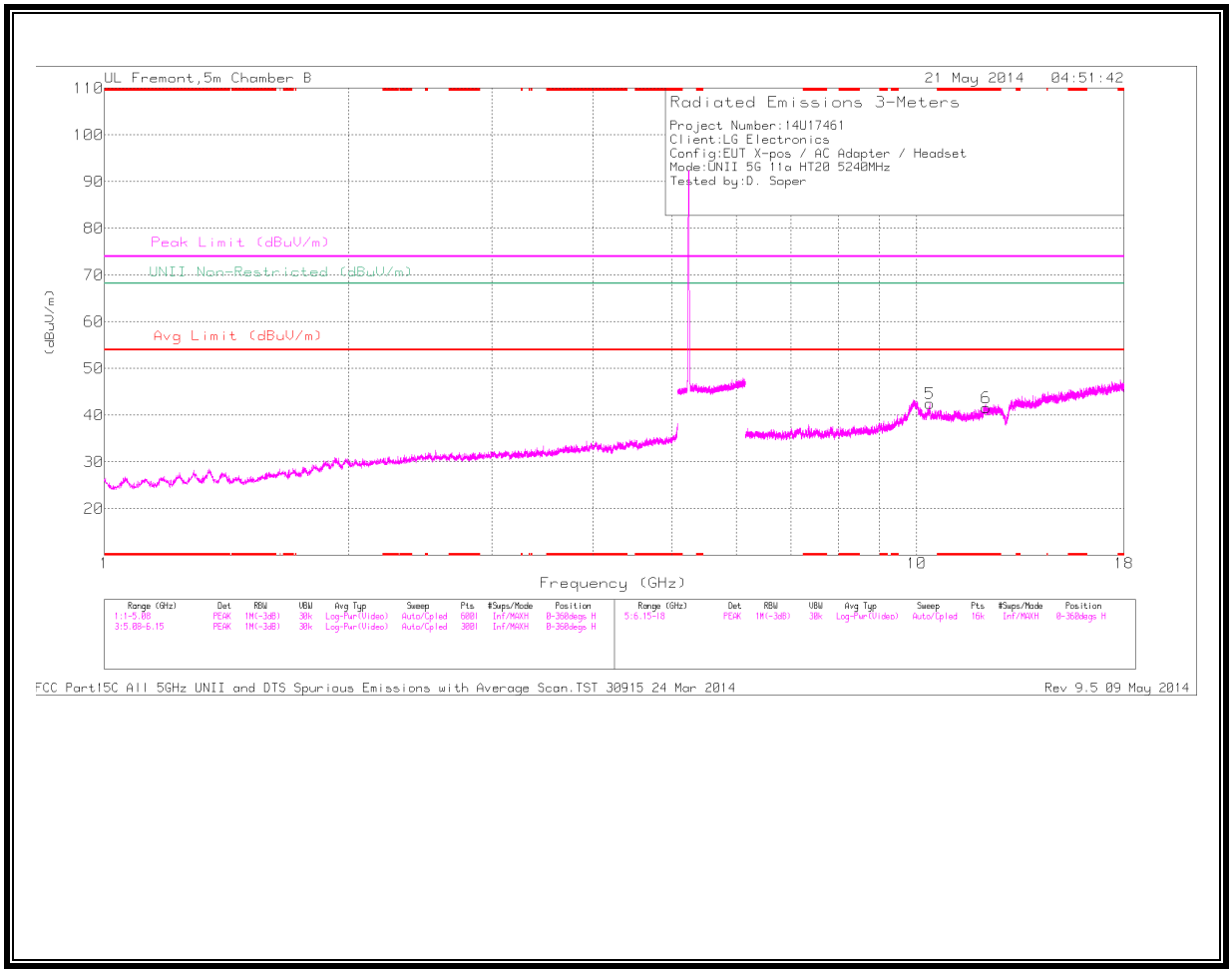
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 12.102	35.04	PK1	38.8	-21.6	0	52.24	-	-	74	-21.76	-	-	1	100	V
* 12.1	22.86	AD1	38.8	-21.6	.2	40.36	54	-13.64	-	-	-	-	1	100	V

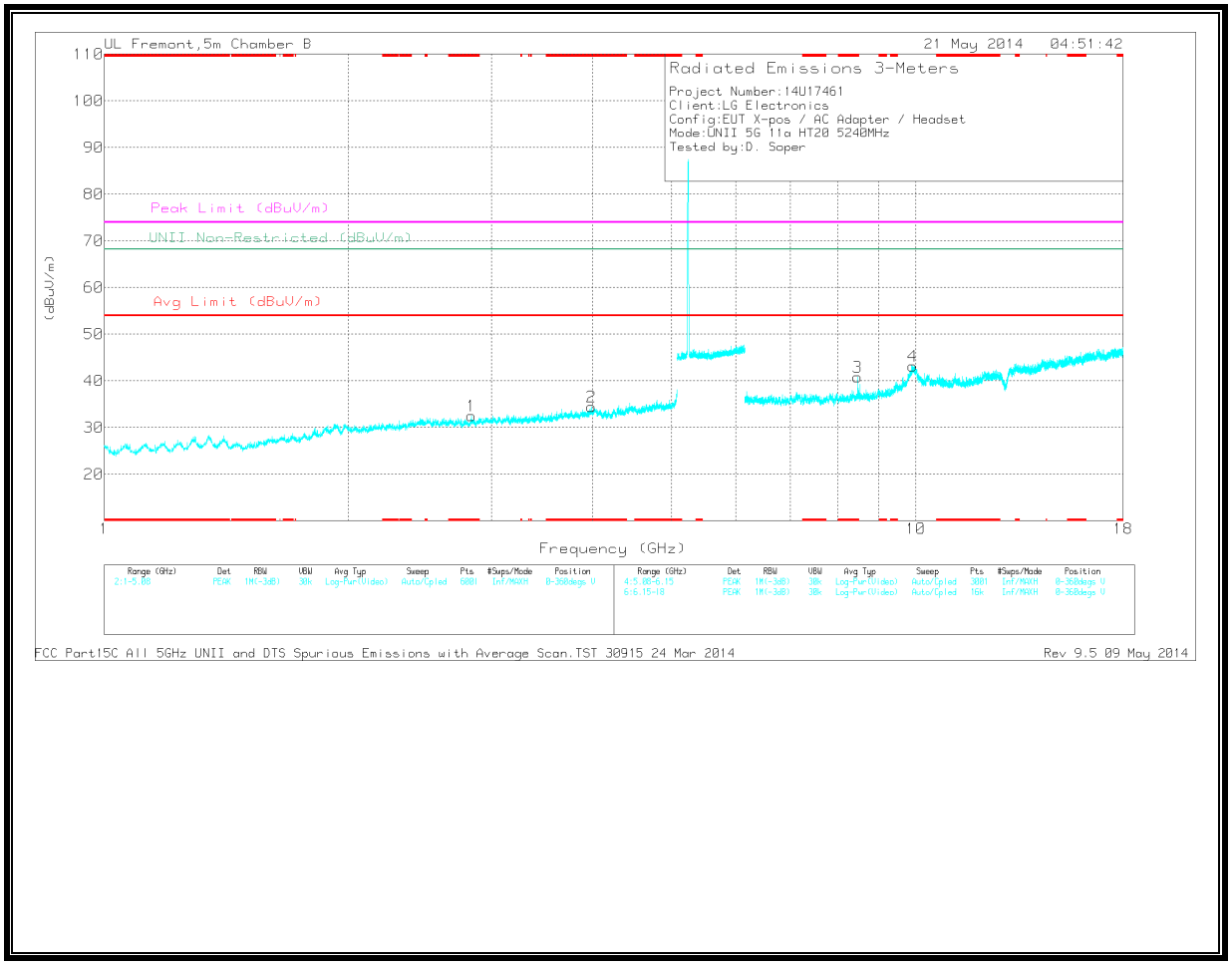
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.834	32.5	PK	32.4	-32.4	0	32.5	-	-	74	-41.5	-	-	0-360	99	V
2	* 3.982	30.86	PK	33.6	-30	0	34.46	-	-	74	-39.54	-	-	0-360	99	V
6	* 12.176	24.25	PK	38.9	-21.6	0	41.55	-	-	74	-32.45	-	-	0-360	202	H
3	* 8.478	30.94	PK	35.8	-25.9	0	40.84	-	-	74	-33.16	-	-	0-360	99	V
4	9.917	30.23	PK	37	-24.1	0	43.13	-	-	-	-	68.2	-25.07	0-360	99	V
5	10.376	27.85	PK	37.3	-22.6	0	42.55	-	-	-	-	68.2	-25.65	0-360	99	H

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

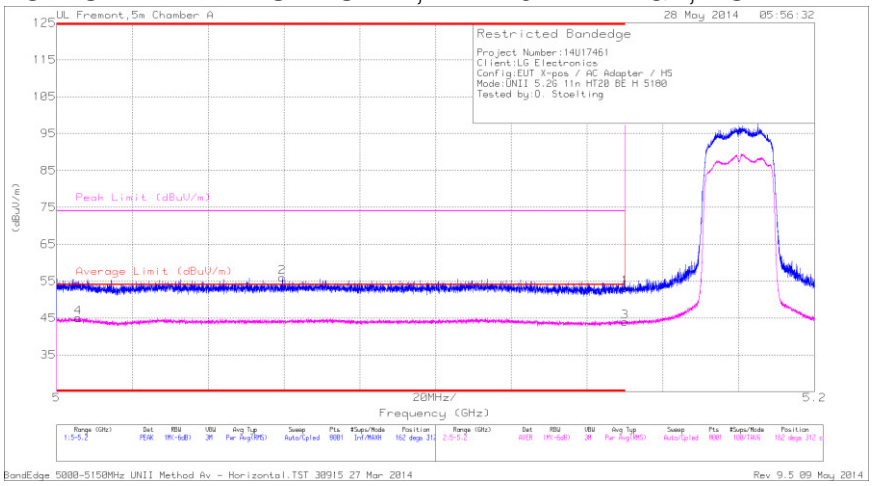
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 8.477	38.14	PK1	35.8	-25.9	0	48.04	-	-	74	-25.96	-	-	1	100	V
* 8.48	25.81	AD1	35.8	-25.9	.2	36.01	54	-17.99	-	-	-	-	1	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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

LOW CHANNEL RESTRICTED, PEAK & AVERAGE, HORIZ

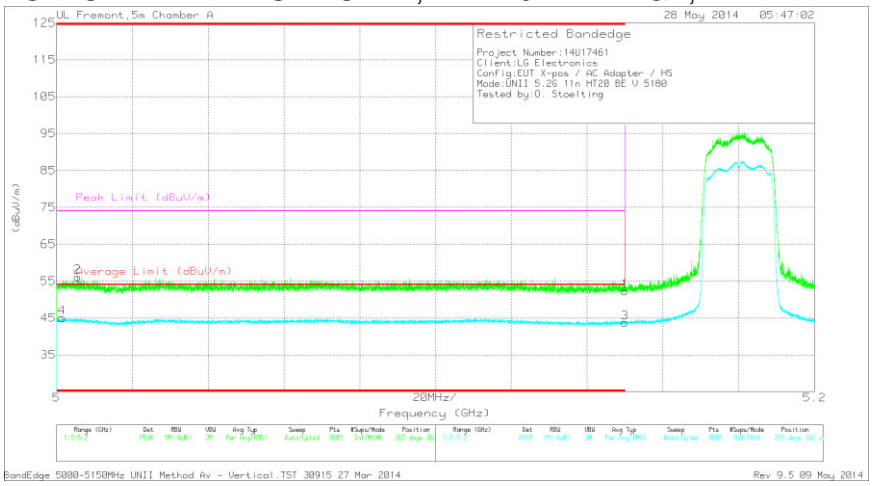


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.69	PK	34	-20.5	0	53.19	-	-	74	-20.81	162	312	H
2	* 5.06	42.5	PK	33.8	-20.3	0	56	-	-	74	-18	162	312	H
3	* 5.15	30.25	RMS	34	-20.5	.2	43.95	54	-10.05	-	-	162	312	H
4	* 5.006	30.52	RMS	33.9	-19.6	.2	45.02	54	-8.98	-	-	162	312	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

LOW CHANNEL RESTRICTED, PEAK & AVERAGE, VERT



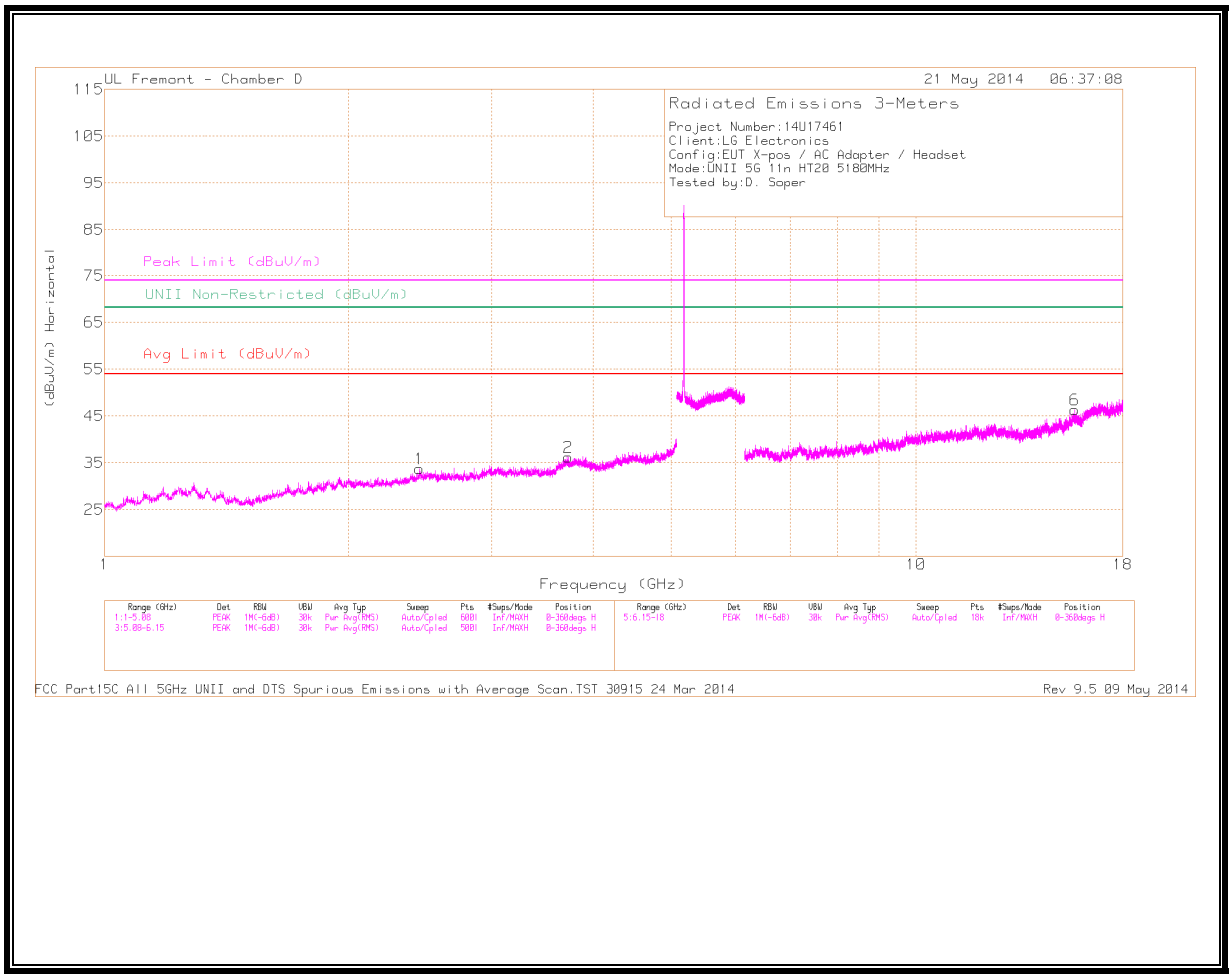
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.78	PK	34	-20.5	0	52.28	-	-	74	-21.72	265	362	V
2	* 5.006	41.8	PK	33.9	-19.6	0	56.1	-	-	74	-17.9	265	362	V
3	* 5.15	30.01	RMS	34	-20.5	.2	43.71	54	-10.29	-	-	265	362	V
4	* 5.001	30.73	RMS	33.9	-19.8	.2	45.03	54	-8.97	-	-	265	362	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

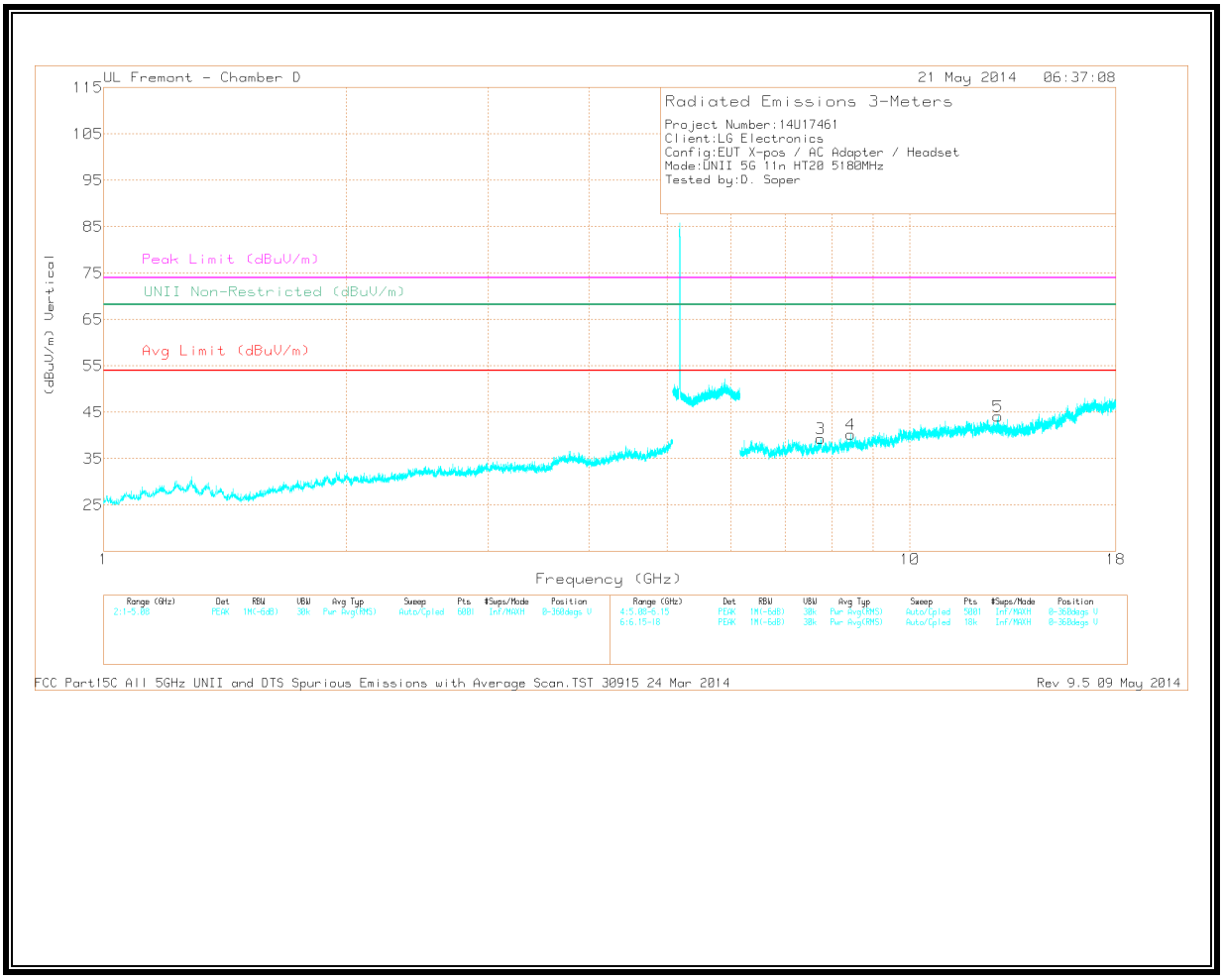
HARMONICS AND SPURIOUS EMISSIONS

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
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fltr/Pad (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	* 3.728	32.18	PK	32.7	-28.7	36.18	-	-	74	-37.82	-	-	0-360	100	H
6	* 15.705	27.66	PK	40	-21.3	46.36	-	-	74	-27.64	-	-	0-360	201	H
3	* 7.748	28.28	PK	35.1	-24	39.38	-	-	74	-34.62	-	-	0-360	100	V
4	* 8.448	28.93	PK	35.4	-24.1	40.23	-	-	74	-33.77	-	-	0-360	100	V
1	2.446	31.68	PK	31.9	-29.8	33.78	-	-	-	-	68.2	-34.42	0-360	100	H
5	12.858	27.23	PK	38.6	-21.7	44.13	-	-	-	-	68.2	-24.07	0-360	201	V

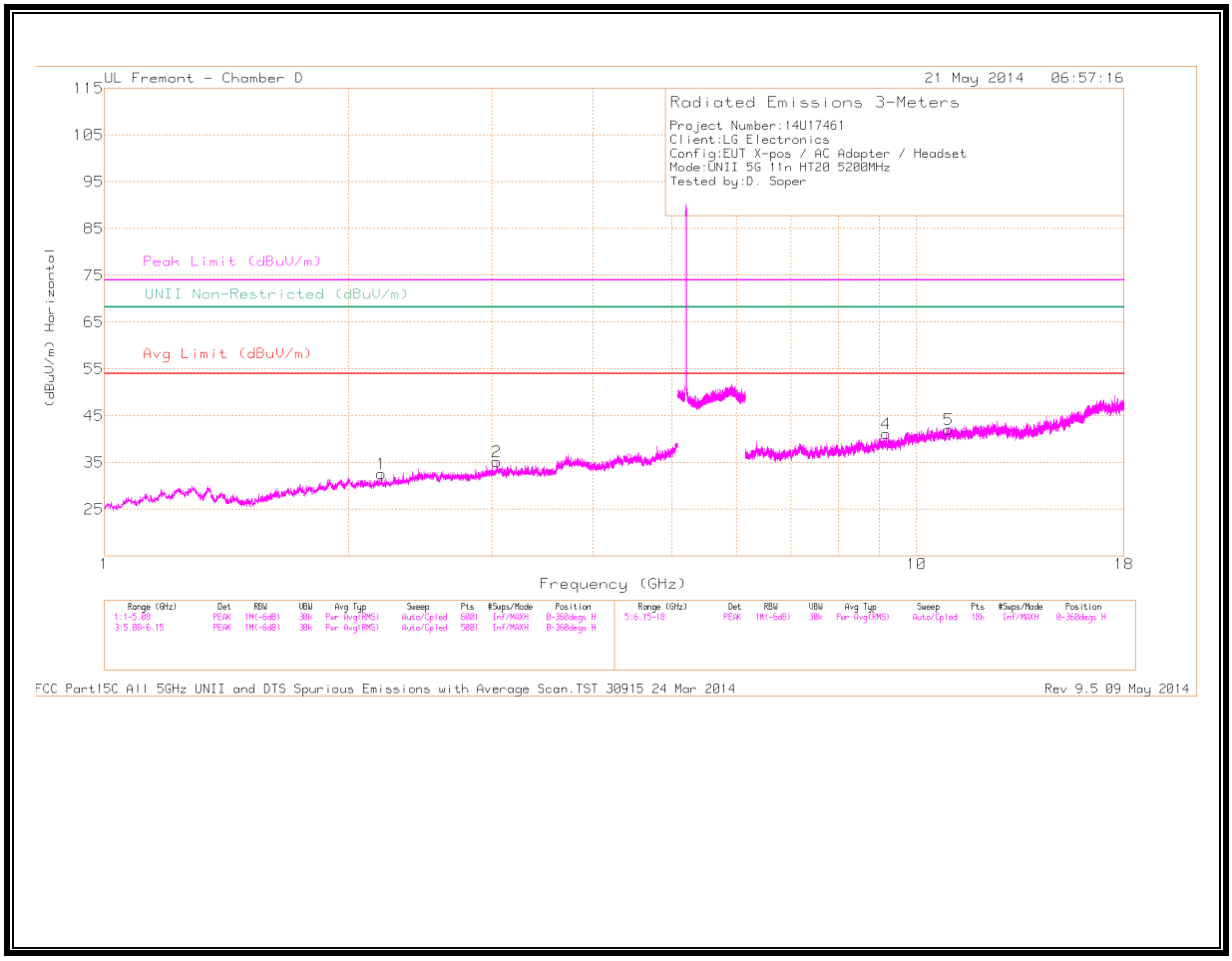
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC factor	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
* 15.703	36.55	PK1	40	-21.3		55.25	-	-	74	-18.75	-	-	0	202	H
* 15.704	24.1	AD1	40	-21.3	0.2	43	54	-11	-	-	-	-	0	202	H

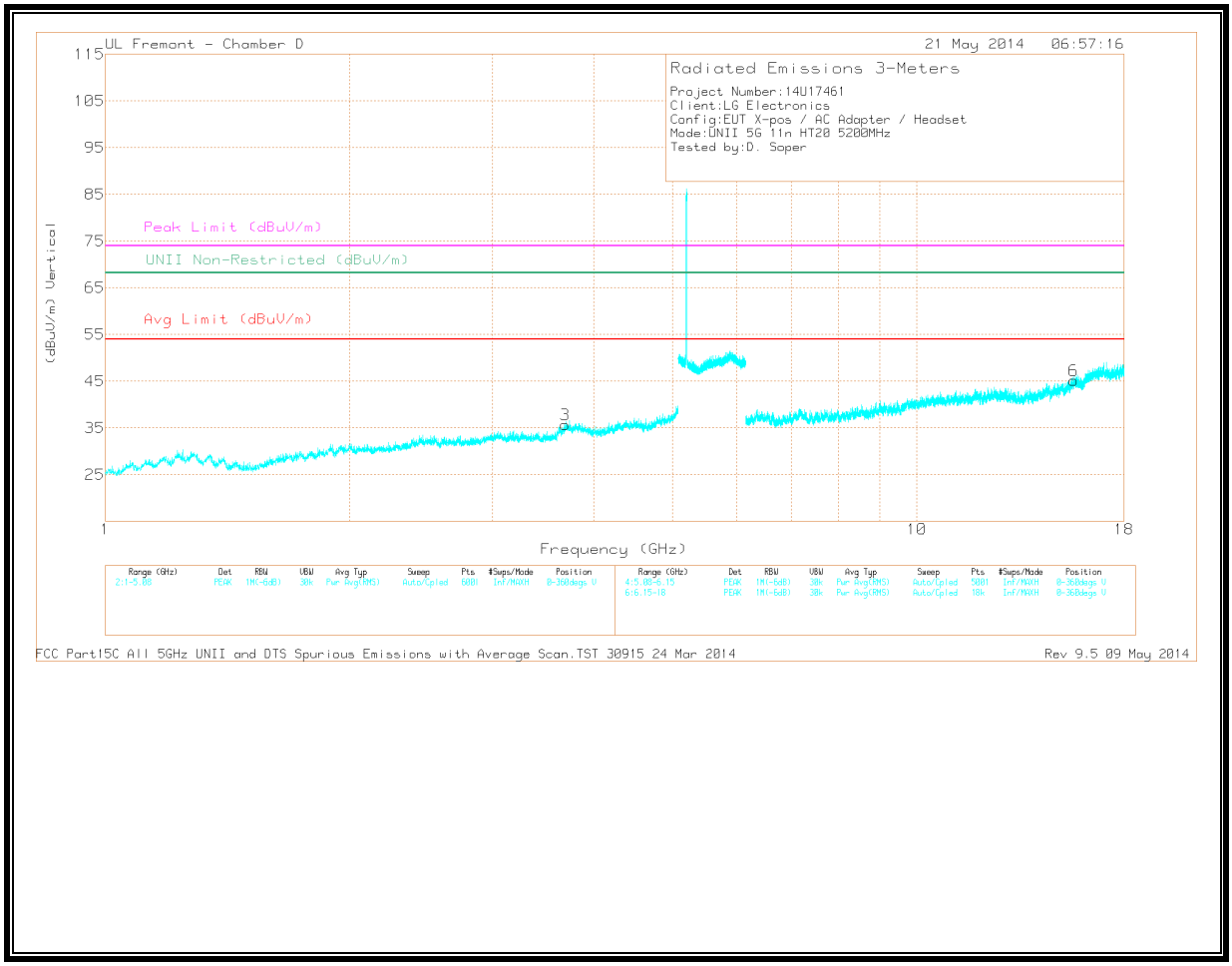
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 3.685	31.76	PK	32.6	-28.6	0	35.76	-	-	74	-38.24	-	-	0-360	201	V
4	* 9.166	27.41	PK	35.9	-22.2	0	41.11	-	-	74	-32.89	-	-	0-360	100	H
5	* 10.953	26.37	PK	37.5	-21.8	0	42.07	-	-	74	-31.93	-	-	0-360	100	H
6	* 15.613	26.48	PK	39.9	-21.2	0	45.18	-	-	74	-28.82	-	-	0-360	100	V
1	2.193	32.44	PK	30.6	-30.4	0	32.64	-	-	-	-	68.2	-35.56	0-360	100	H
2	3.041	31.34	PK	32.5	-28.7	0	35.14	-	-	-	-	68.2	-33.06	0-360	100	H

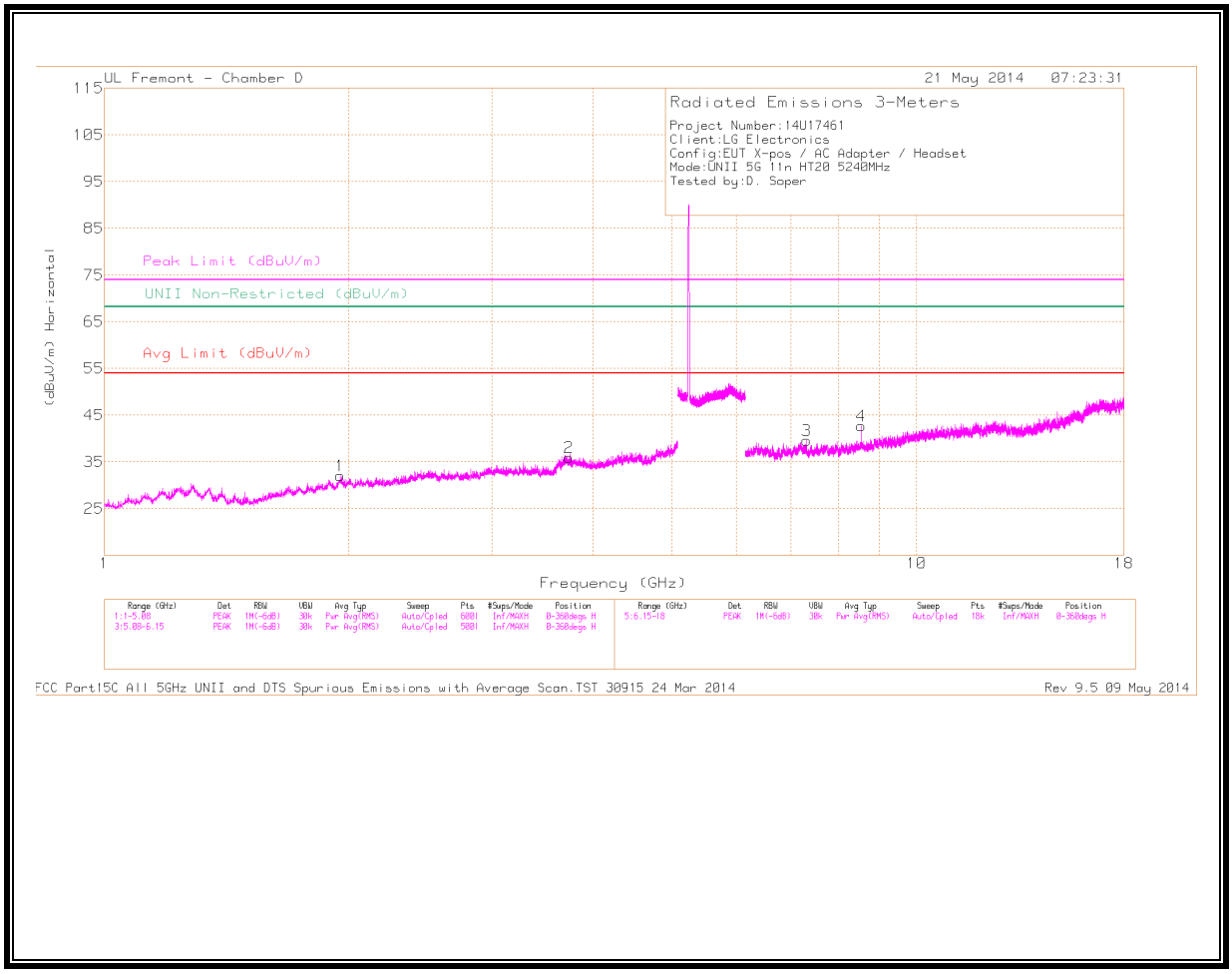
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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
* 9.164	34.34	PK1	35.9	-22.3	0	47.94	-	-	74	-26.06	-	-	0	100	H
* 9.164	23.68	AD1	35.9	-22.3	.2	37.58	54	-16.42	-	-	-	-	0	100	H

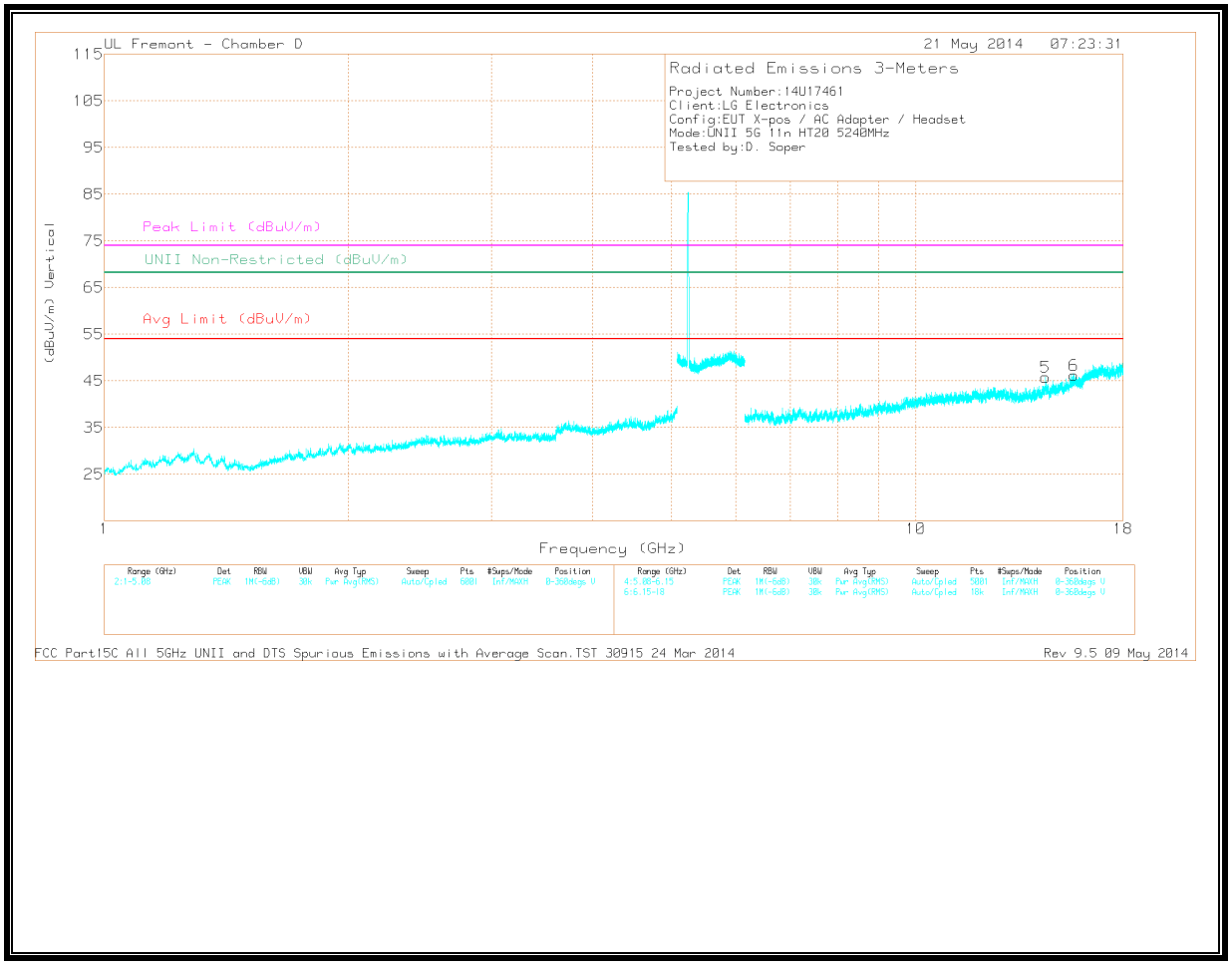
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.734	32.05	PK	32.7	-28.8	0	35.95	-	-	74	-38.05	-	-	0-360	100	H
3	* 7.32	30.26	PK	35.1	-25.8	0	39.56	-	-	74	-34.44	-	-	0-360	100	H
6	* 15.659	27.55	PK	40	-21.3	0	46.25	-	-	74	-27.75	-	-	0-360	201	V
1	1.953	31.92	PK	30.5	-30.4	0	32.02	-	-	-	-	68.2	-36.18	0-360	100	H
4	8.542	30.37	PK	35.4	-23.1	0	42.67	-	-	-	-	68.2	-25.53	0-360	201	H
5	14.431	29.67	PK	38.6	-22.5	0	45.77	-	-	-	-	68.2	-22.43	0-360	201	V

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

Radiated Emissions

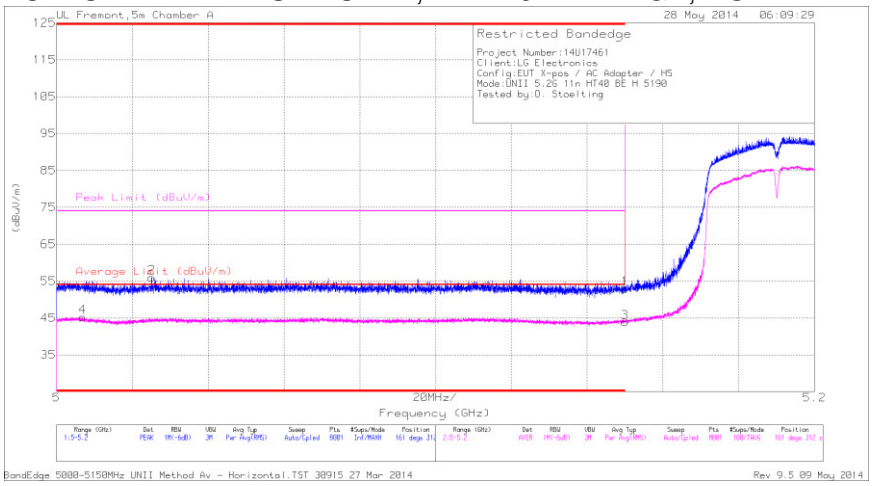
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.32	36.99	PK1	35.1	-25.8	0	46.29	-	-	74	-27.71	-	-	2	100	H
* 7.319	26.08	AD1	35.1	-25.8	.2	35.68	54	-18.32	-	-	-	-	2	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)

LOW CHANNEL RESTRICTED, PEAK & AVERAGE, HORIZ

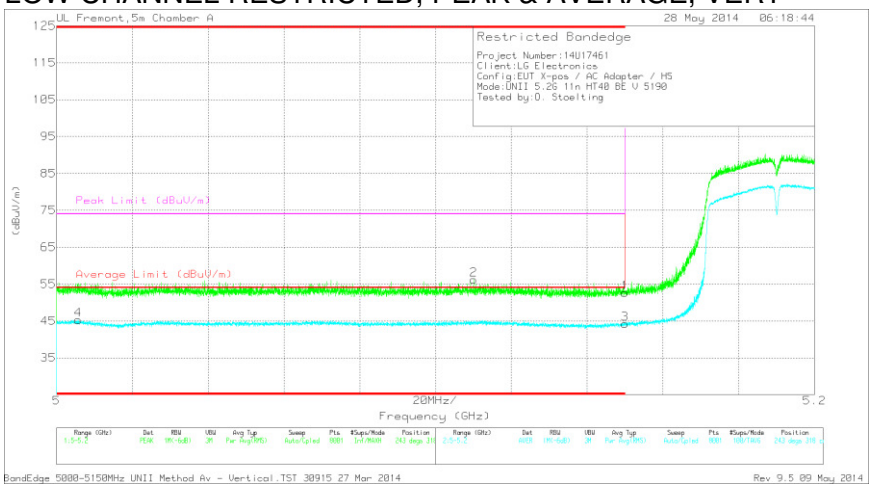


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.46	PK	34	-20.5	0	52.96	-	-	74	-21.04	161	312	H
2	* 5.025	42.28	PK	33.8	-20.1	0	55.98	-	-	74	-18.02	161	312	H
3	* 5.15	29.85	RMS	34	-20.5	.5	43.85	54	-10.15	-	-	161	312	H
4	* 5.007	30.64	RMS	33.9	-19.8	.5	45.24	54	-8.76	-	-	161	312	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

LOW CHANNEL RESTRICTED, PEAK & AVERAGE, VERT



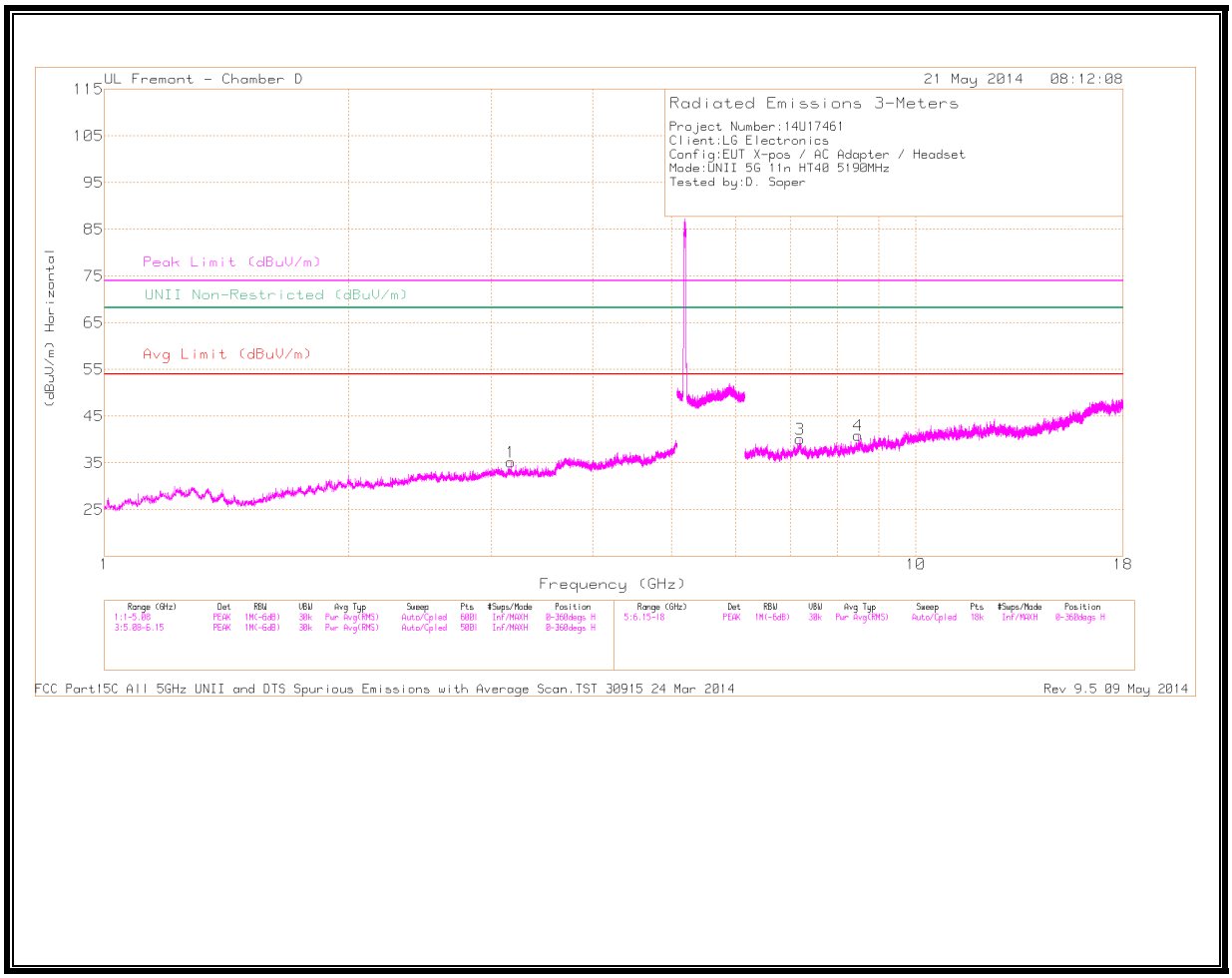
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.14	PK	34	-20.5	0	52.64	-	-	74	-21.36	243	318	V
2	* 5.11	42.37	PK	33.9	-20.1	0	56.17	-	-	74	-17.83	243	318	V
3	* 5.15	30.22	RMS	34	-20.5	.5	44.22	54	-9.78	-	-	243	318	V
4	* 5.006	30.47	RMS	33.9	-19.6	.5	45.27	54	-8.73	-	-	243	318	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

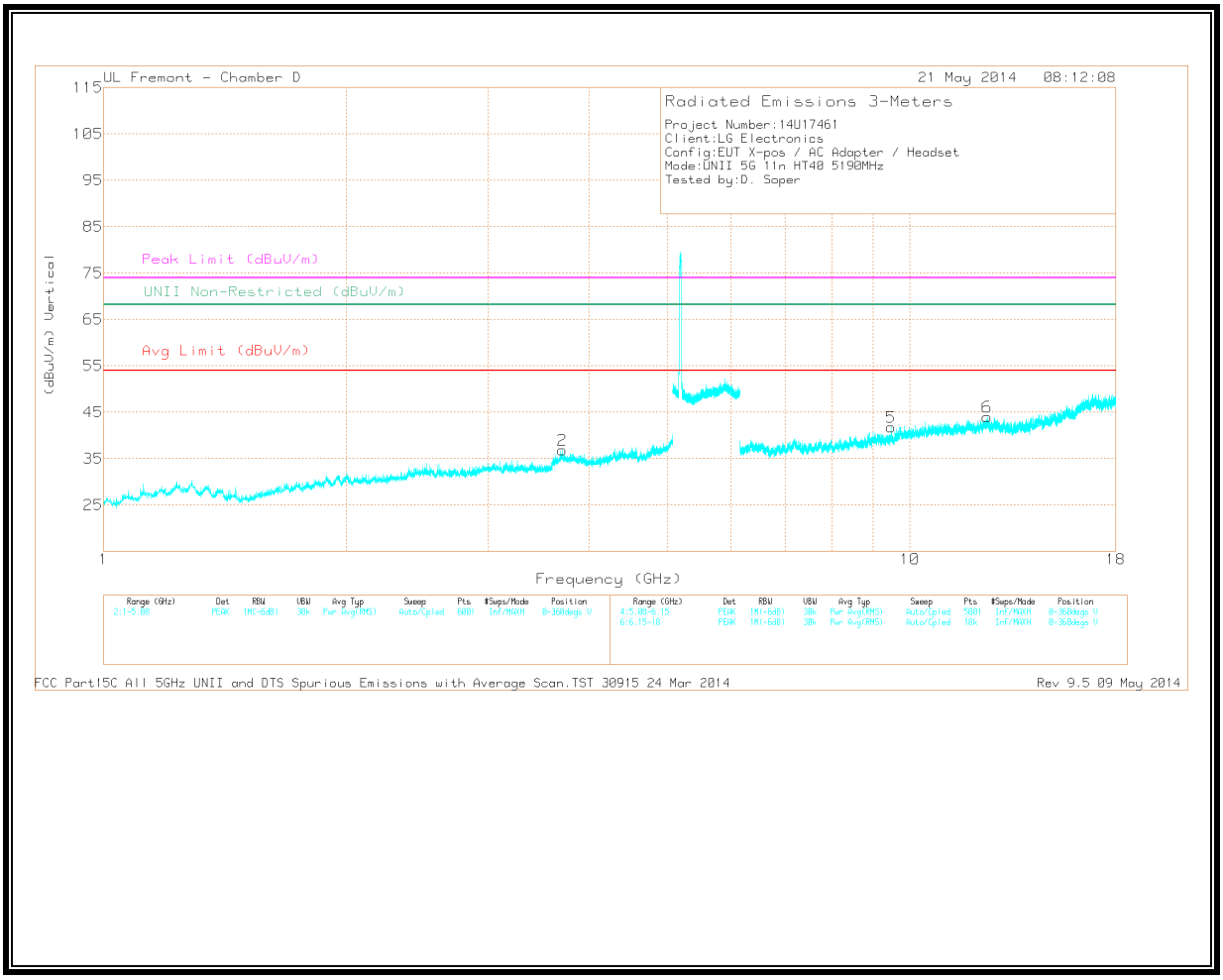
HARMONICS AND SPURIOUS EMISSIONS

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
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.705	32.73	PK	32.6	-28.5	0	36.83	-	-	74	-37.17	-	-	0-360	201	V
4	* 8.494	28.65	PK	35.4	-23.2	0	40.85	-	-	74	-33.15	-	-	0-360	201	H
5	* 9.476	27.69	PK	36.2	-22.1	0	41.79	-	-	74	-32.21	-	-	0-360	100	V
6	* 12.466	26.76	PK	38.5	-21.2	0	44.06	-	-	74	-29.94	-	-	0-360	100	V
1	3.17	32.59	PK	32.5	-29.9	0	35.19	-	-	-	-	68.2	-33.01	0-360	100	H
3	7.192	28.77	PK	35.1	-23.8	0	40.07	-	-	-	-	68.2	-28.13	0-360	201	H

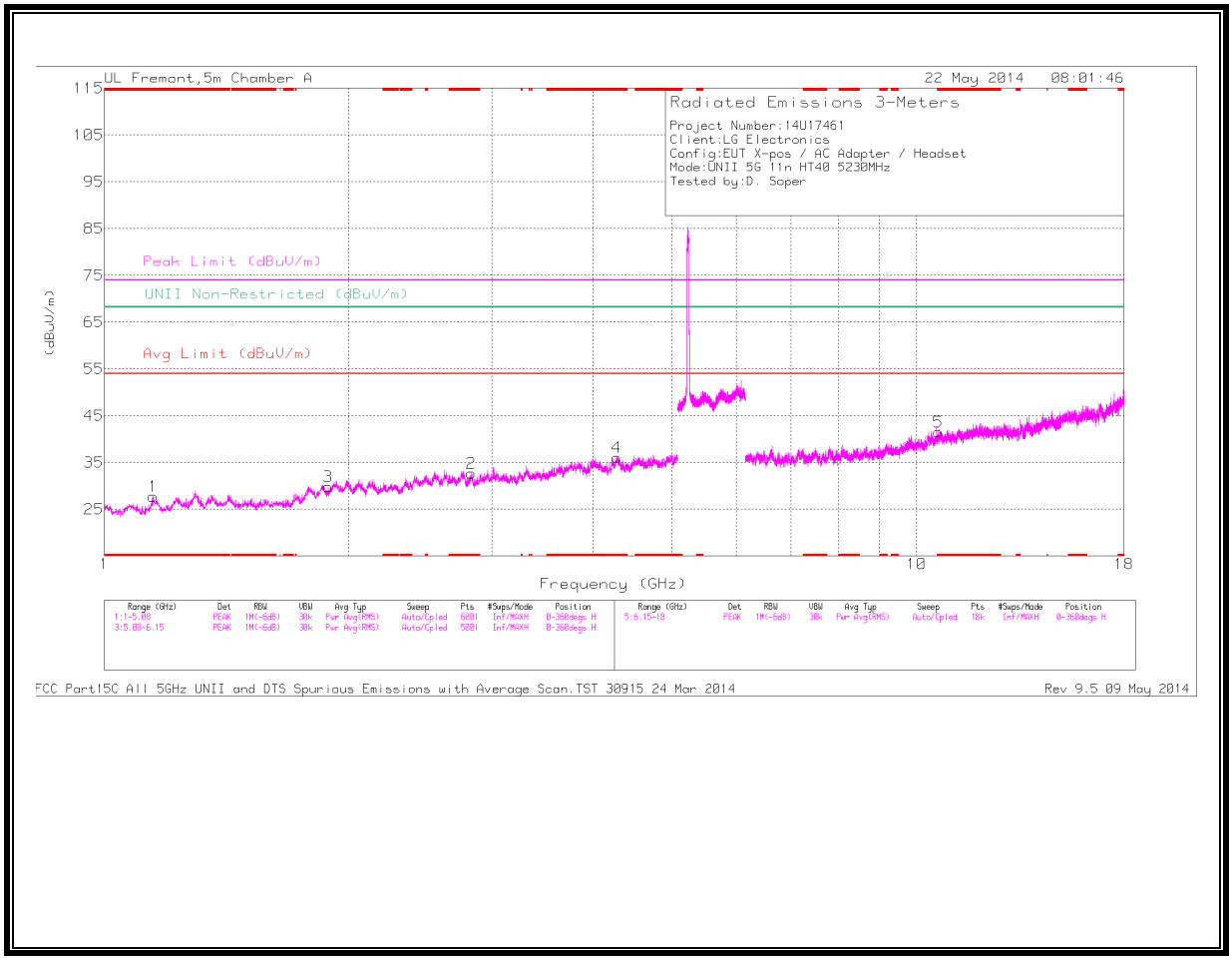
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.705	38.4	PK1	32.6	-28.5	0	42.5	-	-	74	-31.5	-	-	3	202	V
* 3.705	27.75	AD1	32.6	-28.5	.5	32.35	54	-21.65	-	-	-	-	3	202	V

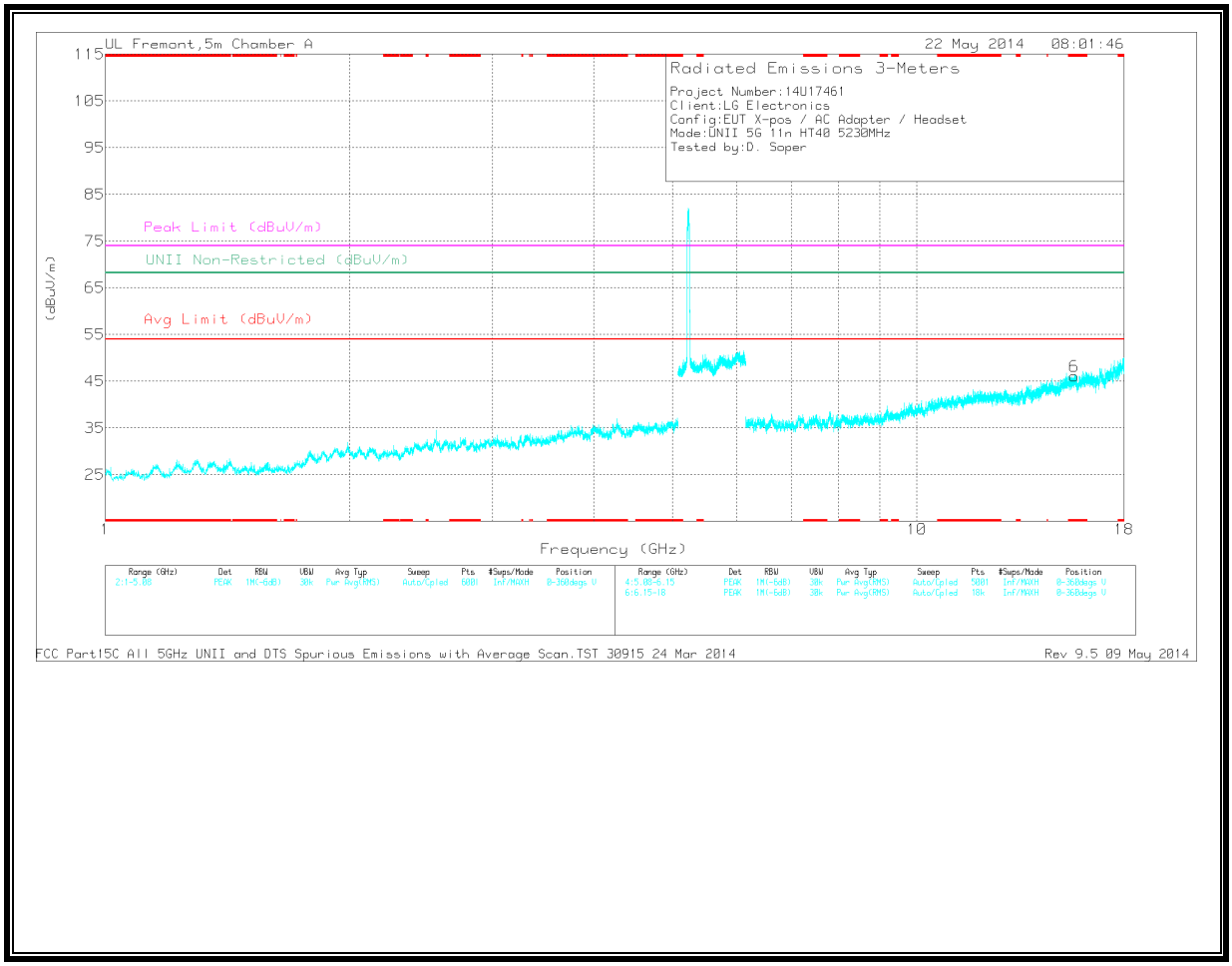
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.148	35.45	PK	28.8	-36.5	0	27.75	-	-	74	-46.25	-	-	0-360	200	H
2	* 2.827	32.78	PK	32.6	-32.7	0	32.68	-	-	74	-41.32	-	-	0-360	200	H
4	* 4.271	30.77	PK	34	-28.7	0	36.07	-	-	74	-37.93	-	-	0-360	100	H
5	* 10.626	25.69	PK	37.7	-21.9	0	41.49	-	-	74	-32.51	-	-	0-360	200	H
6	* 15.636	26.46	PK	40.4	-20.8	0	46.06	-	-	74	-27.94	-	-	0-360	100	V
3	1.886	33.06	PK	31.5	-34.7	0	29.86	-	-	-	-	68.2	-38.34	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/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
* 10.627	34.69	PK1	37.7	-21.9	0	50.49	-	-	74	-23.51	-	-	360	201	H
* 10.627	23.48	AD1	37.7	-21.9	.5	39.78	54	-14.22	-	-	-	-	360	201	H

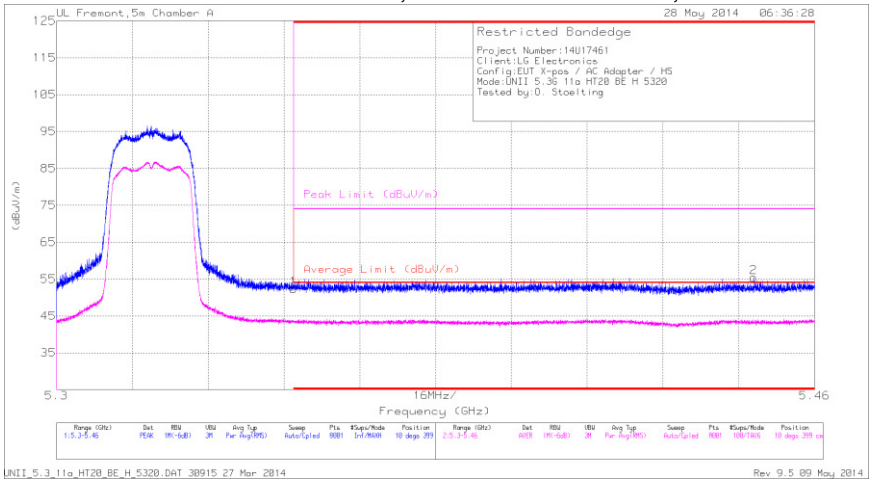
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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)

HIGH CHANNEL BANDEDGE, PEAK & AVERAGE, HORIZ

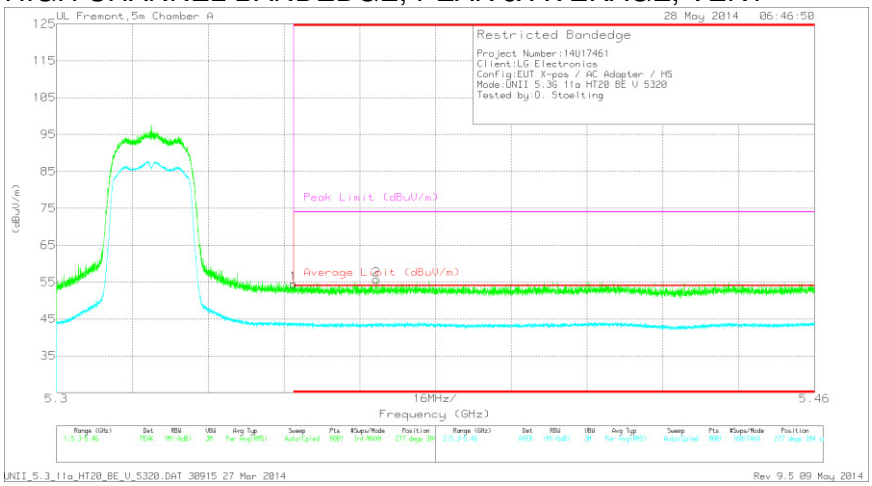


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.63	PK	34.3	-19.6	0	52.33	-	-	74	-21.67	10	399	H
3	* 5.35	28.37	RMS	34.3	-19.6	.2	43.27	54	-10.73	-	-	10	399	H
2	* 5.447	41.01	PK	34.4	-20	0	55.41	-	-	74	-18.59	10	399	H
4	* 5.454	29.52	RMS	34.4	-20	.2	44.12	54	-9.88	-	-	10	399	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

HIGH CHANNEL BANDEDGE, PEAK & AVERAGE, VERT



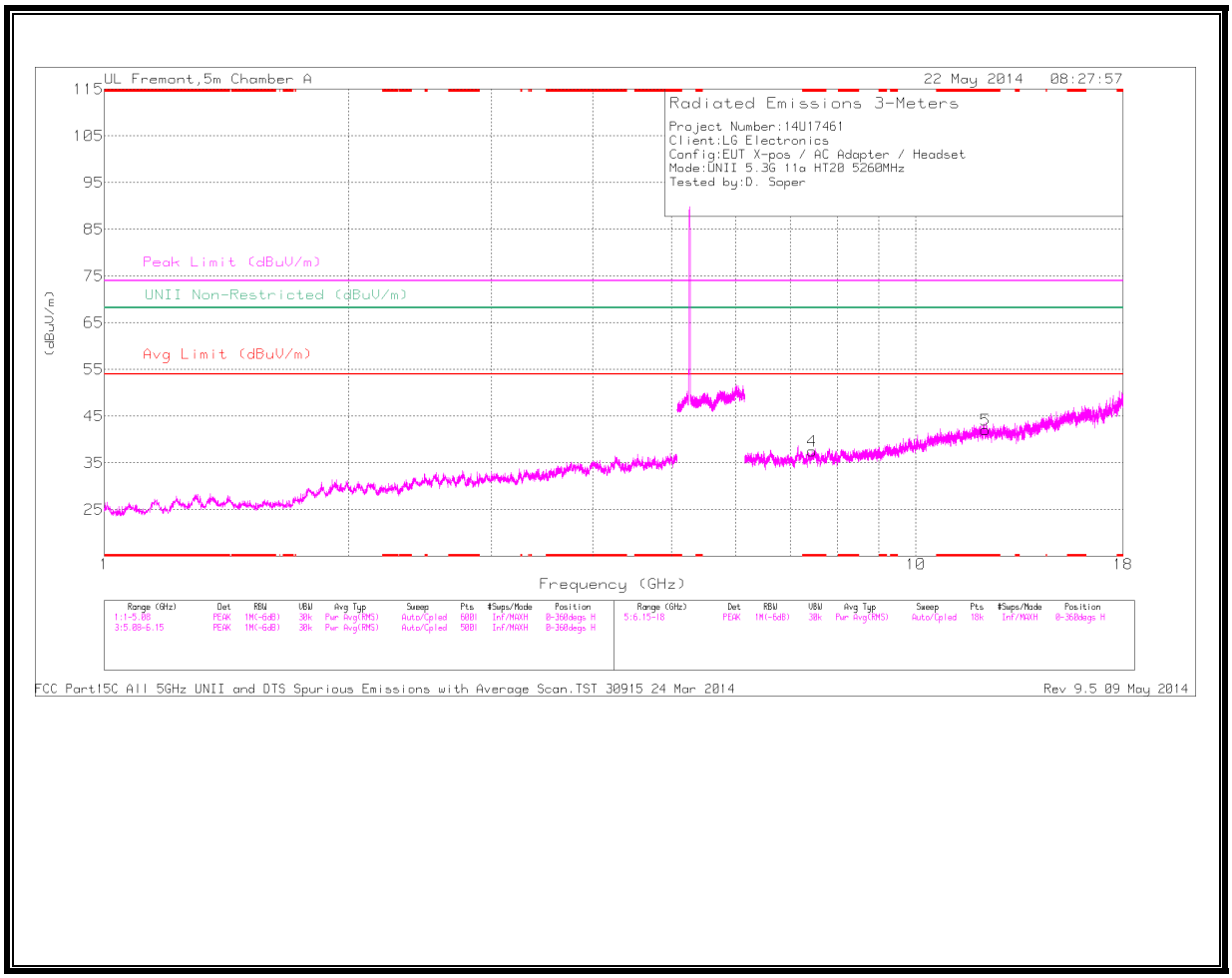
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	39.84	PK	34.3	-19.6	0	54.54	-	-	74	-19.46	277	384	V
2	* 5.368	40.98	PK	34.3	-19.6	0	55.68	-	-	74	-18.32	277	384	V
3	* 5.35	29.16	RMS	34.3	-19.6	.2	44.06	54	-9.94	-	-	277	384	V
4	* 5.416	29.25	RMS	34.4	-19.6	.2	44.25	54	-9.75	-	-	277	384	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

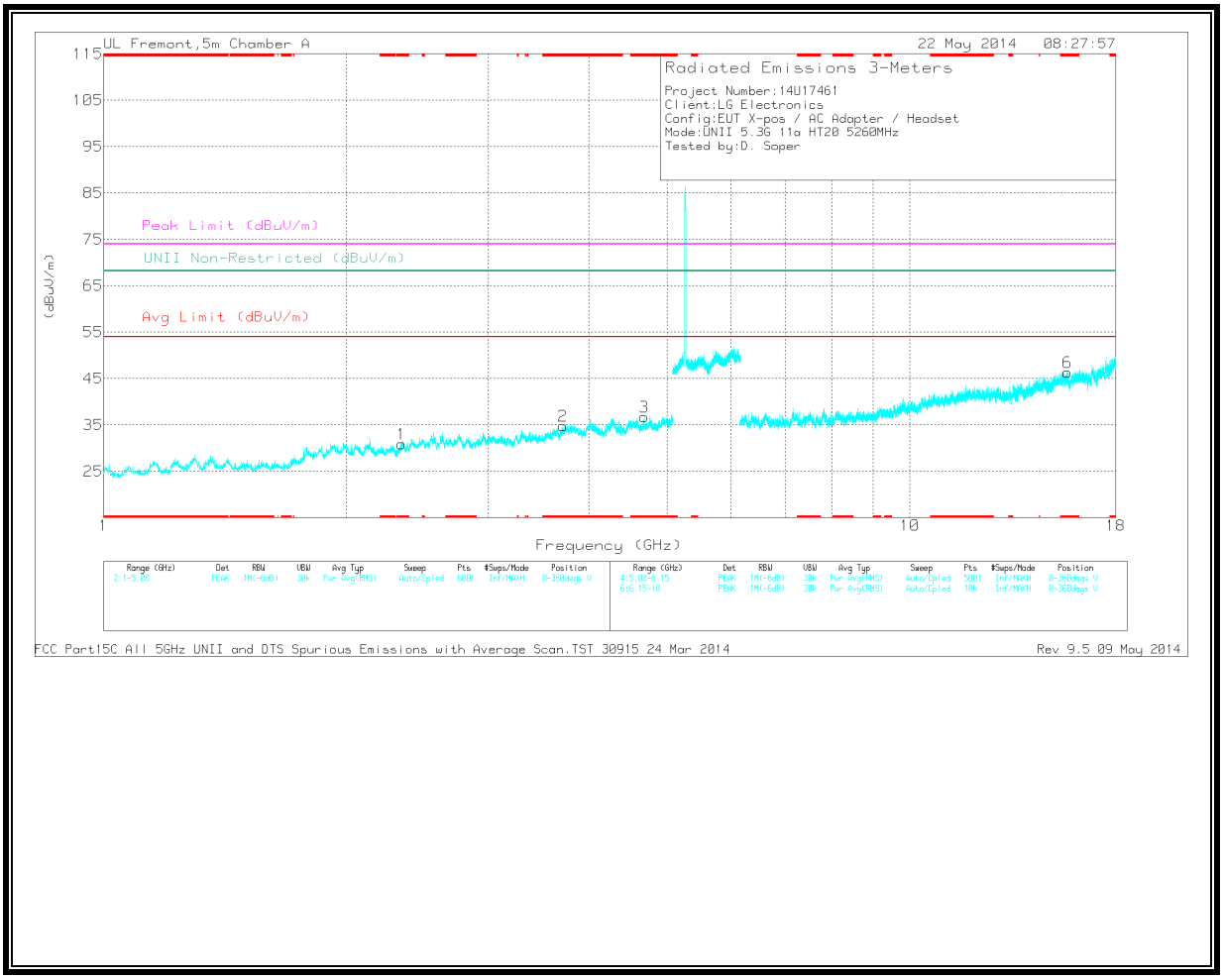
HARMONICS AND SPURIOUS EMISSIONS

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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.341	33.16	PK	31.8	-34.1	0	30.86	-	-	74	-43.14	-	-	0-360	201	V
2	* 3.715	31.61	PK	33.4	-30.2	0	34.81	-	-	74	-39.19	-	-	0-360	100	V
3	* 4.681	32.47	PK	34	-29.7	0	36.77	-	-	74	-37.23	-	-	0-360	100	V
4	* 7.455	28.63	PK	35.3	-26.4	0	37.53	-	-	74	-36.47	-	-	0-360	100	H
5	* 12.178	25.68	PK	38.8	-22.4	0	42.08	-	-	74	-31.92	-	-	0-360	100	H
6	* 15.676	26.61	PK	40.4	-20.7	0	46.31	-	-	74	-27.69	-	-	0-360	201	V

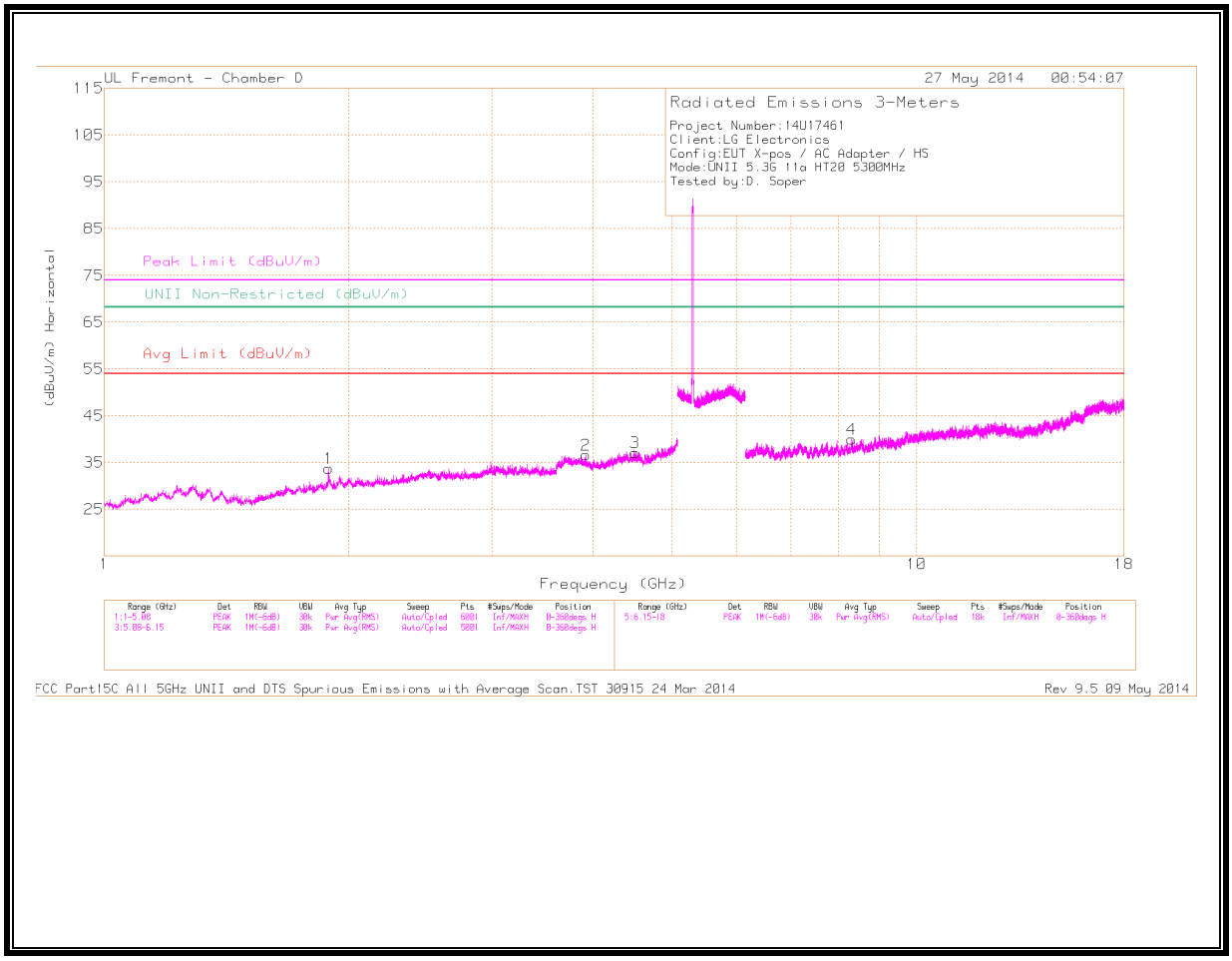
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

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
* 7.453	36.92	PK1	35.3	-26.4	0	45.82	-	-	74	-28.18	-	-	359	100	H
* 7.455	25.68	AD1	35.3	-26.4	.2	34.78	54	-19.22	-	-	-	-	359	100	H

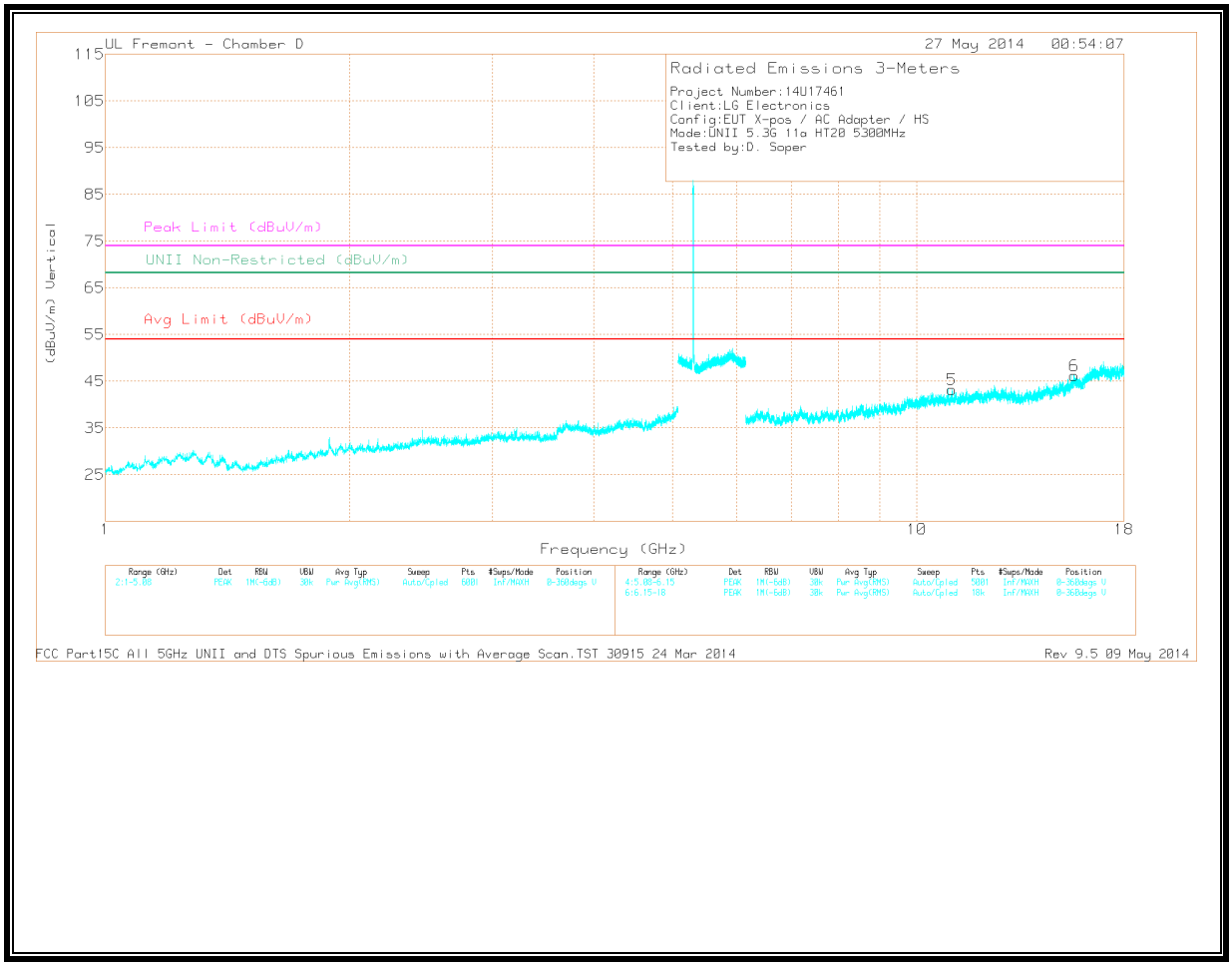
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.918	32.4	PK	32.8	-28.6	0	36.6	-	-	74	-37.4	-	-	0-360	201	H
3	* 4.502	30.76	PK	33.5	-27.1	0	37.16	-	-	74	-36.84	-	-	0-360	100	H
4	* 8.309	28.81	PK	35.3	-24.1	0	40.01	-	-	74	-33.99	-	-	0-360	100	H
5	* 11.045	27.63	PK	37.5	-21.9	0	43.23	-	-	74	-30.77	-	-	0-360	201	V
6	* 15.627	27.32	PK	39.9	-21	0	46.22	-	-	74	-27.78	-	-	0-360	100	V
1	1.887	34.09	PK	30.1	-30.4	0	33.79	-	-	-	-	68.2	-34.41	0-360	201	H

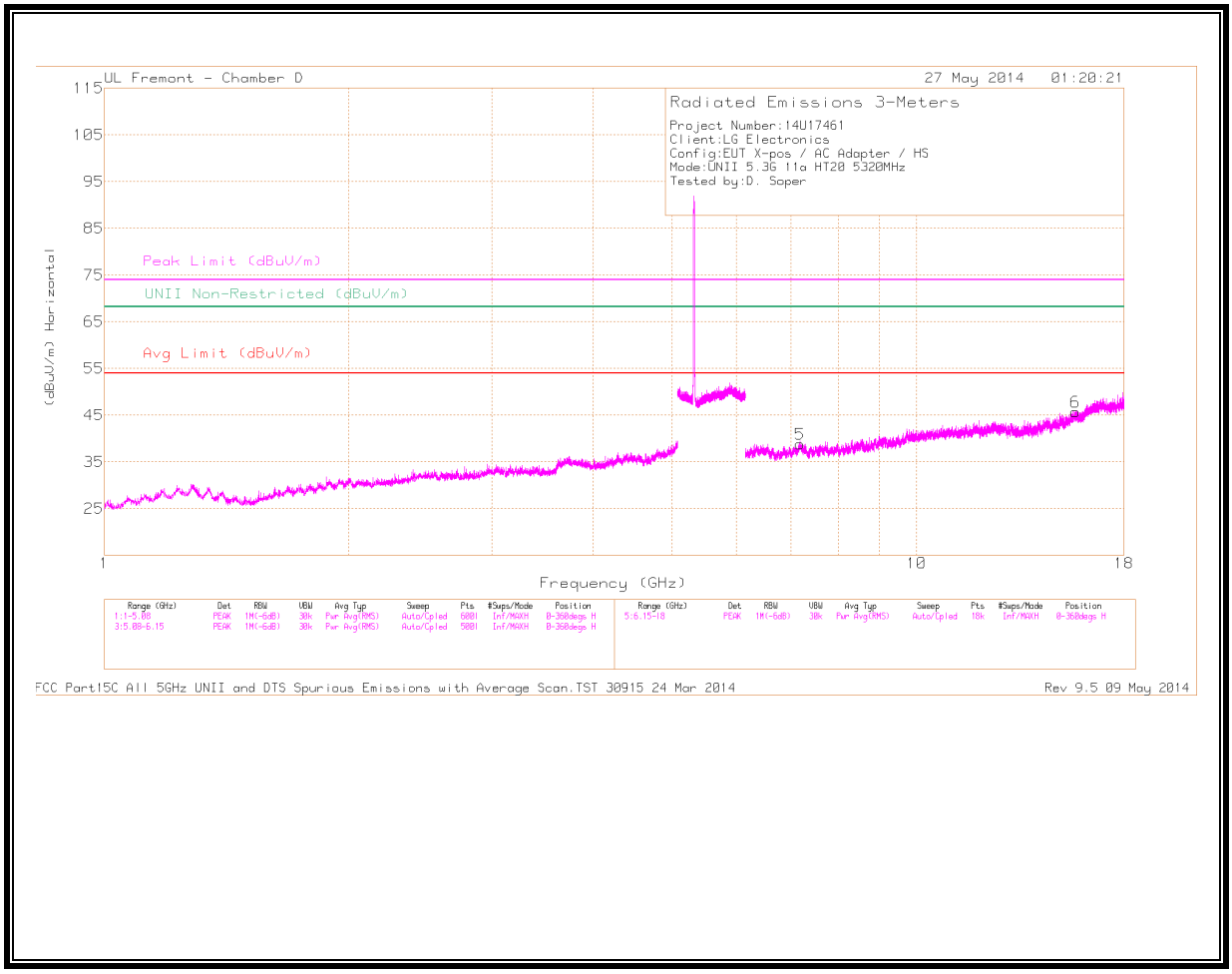
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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
* 11.047	34.25	PK1	37.5	-21.9	0	49.85	-	-	74	-24.15	-	-	0	202	V
* 11.045	23.63	AD1	37.5	-21.9	.2	39.43	54	-14.57	-	-	-	-	0	202	V

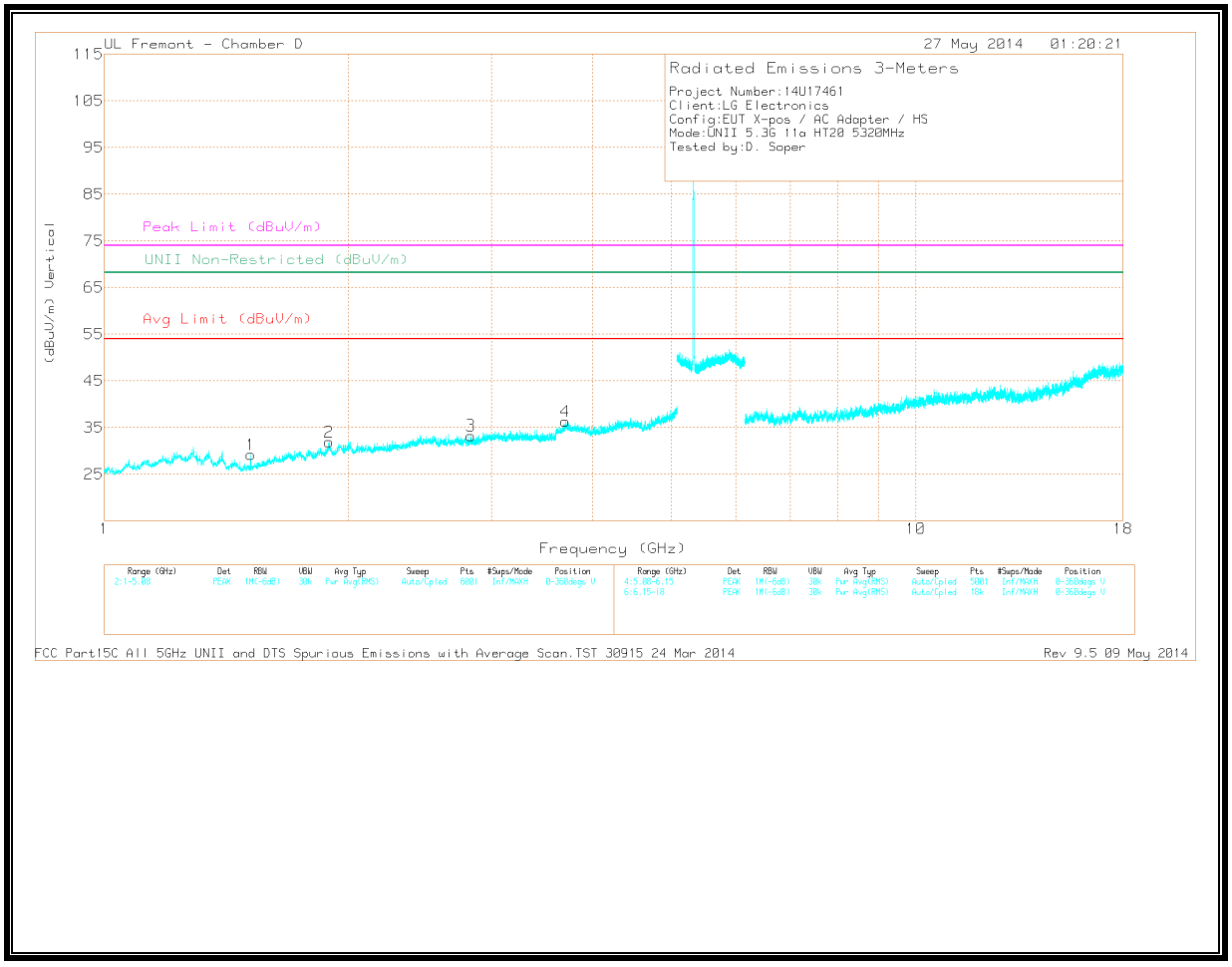
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 1.515	33.86	PK	27	-31.6	0	29.26	-	-	74	-44.74	-	-	0-360	100	V
3	* 2.827	31.2	PK	31.8	-29.7	0	33.3	-	-	74	-40.7	-	-	0-360	201	V
4	* 3.702	32.2	PK	32.6	-28.5	0	36.3	-	-	74	-37.7	-	-	0-360	201	V
6	* 15.673	27.16	PK	40	-21.5	0	45.66	-	-	74	-28.34	-	-	0-360	201	H
2	1.894	32.18	PK	30.1	-30.3	0	31.98	-	-	-	-	68.2	-36.22	0-360	100	V
5	7.187	27.69	PK	35.1	-24	0	38.79	-	-	-	-	68.2	-29.41	0-360	201	H

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

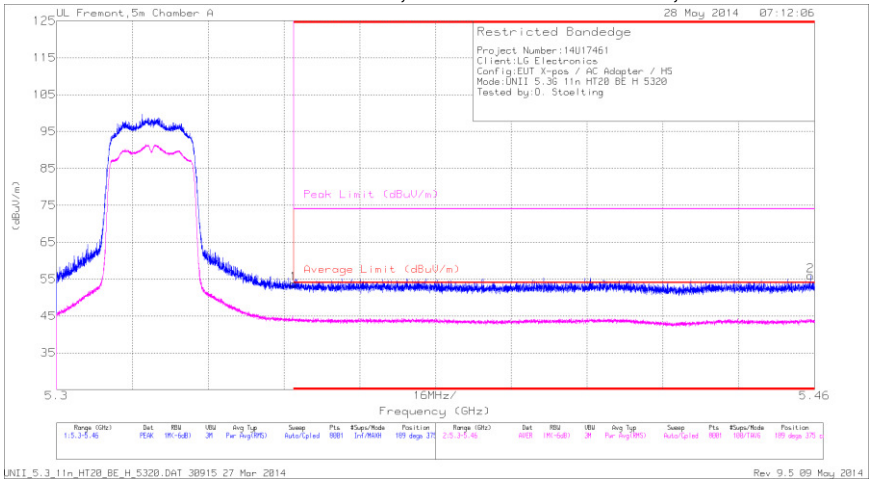
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 15.673	36.11	PK1	40	-21.5	0	54.61	-	-	74	-19.39	-	-	1	202	H
* 15.671	24.13	AD1	40	-21.5	.2	42.83	54	-11.17	-	-	-	-	1	202	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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

HIGH CHANNEL BANDEDGE, PEAK & AVERAGE, HORIZ

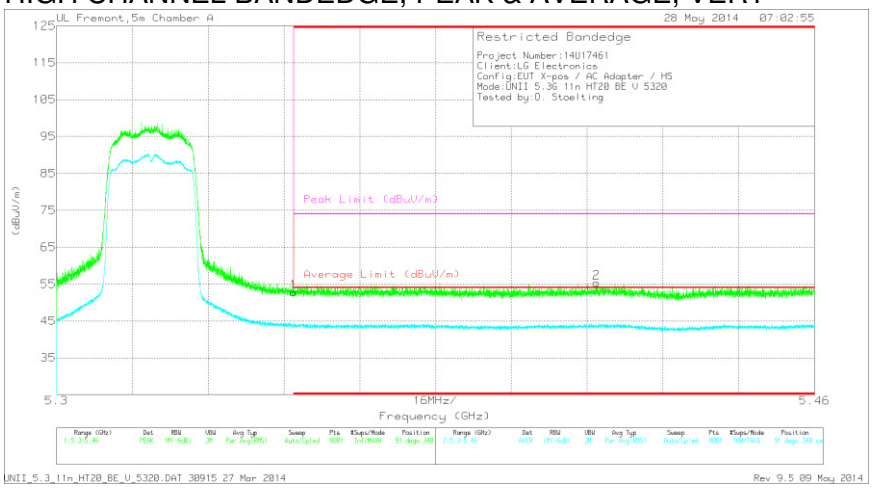


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	39.04	PK	34.3	-19.6	0	53.74	-	-	74	-20.26	189	375	H
3	* 5.35	28.93	RMS	34.3	-19.6	.2	43.83	54	-10.17	-	-	189	375	H
4	* 5.354	29.66	RMS	34.3	-19.7	.2	44.46	54	-9.54	-	-	189	375	H
2	* 5.459	41.34	PK	34.4	-19.8	0	55.94	-	-	74	-18.06	189	375	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

HIGH CHANNEL BANDEDGE, PEAK & AVERAGE, VERT



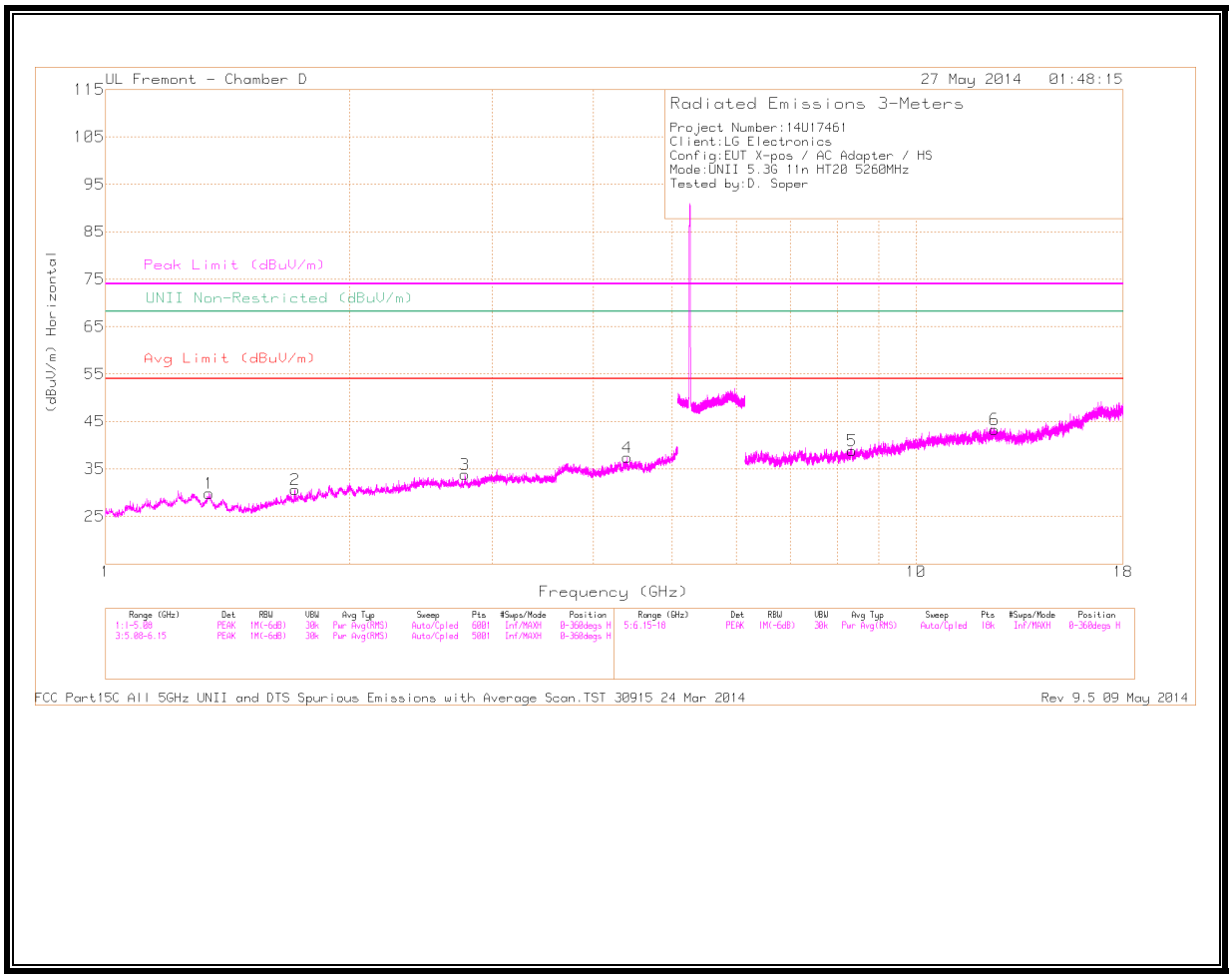
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.13	PK	34.3	-19.6	0	52.83	-	-	74	-21.17	91	340	V
2	* 5.414	40.58	PK	34.4	-19.6	0	55.38	-	-	74	-18.62	91	340	V
3	* 5.35	28.76	RMS	34.3	-19.6	.2	43.66	54	-10.34	-	-	91	340	V
4	* 5.35	29.61	RMS	34.3	-19.6	.2	44.51	54	-9.49	-	-	91	340	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

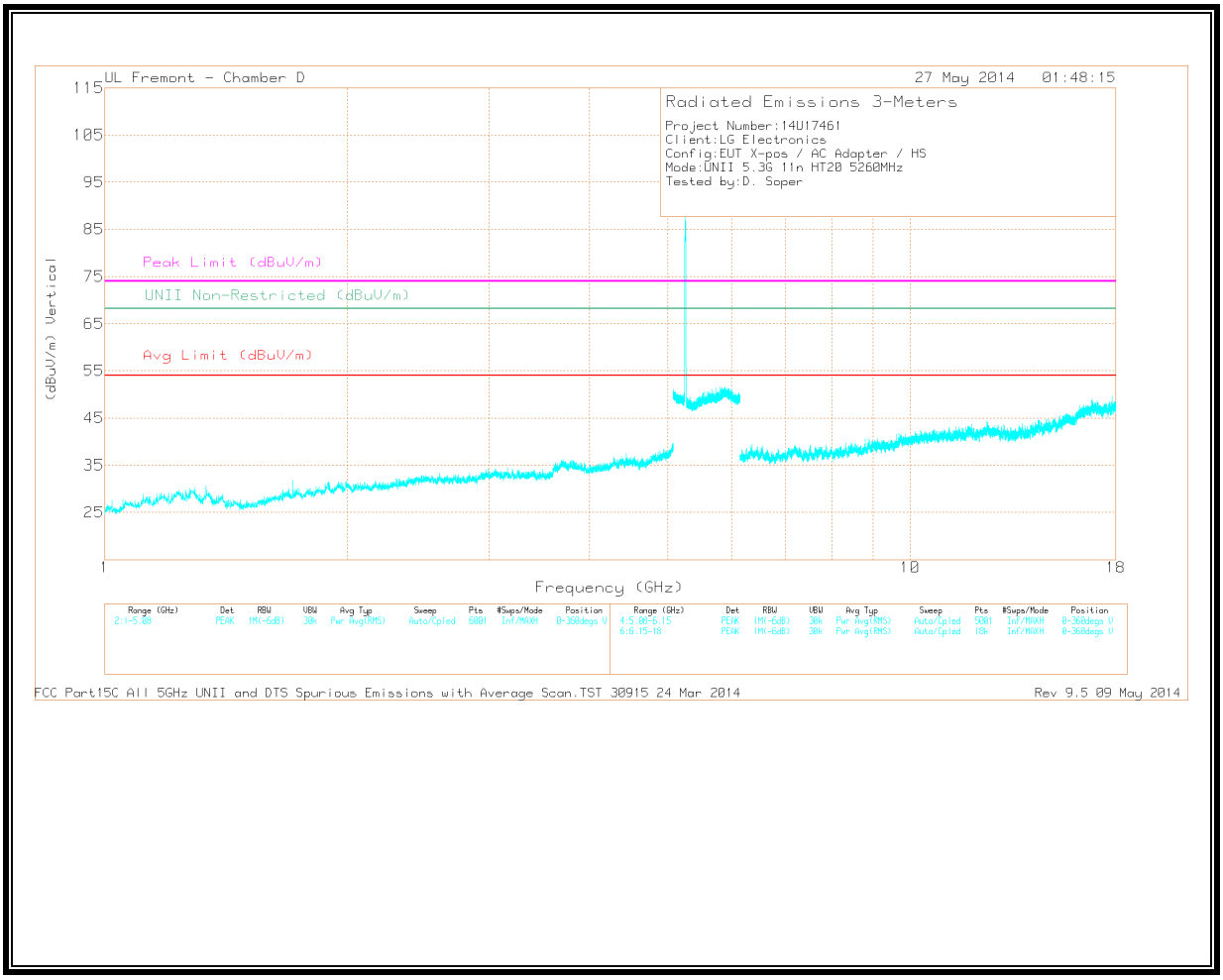
HARMONICS AND SPURIOUS EMISSIONS

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
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 1.343	32.43	PK	28.6	-31.2	0	29.83	-	-	74	-44.17	-	-	0-360	201	H
3	* 2.774	31.51	PK	31.6	-29.3	0	33.81	-	-	74	-40.19	-	-	0-360	100	H
5	* 8.342	27.85	PK	35.3	-24.3	0	38.85	-	-	74	-35.15	-	-	0-360	201	H
6	* 12.498	26.12	PK	38.5	-21.3	0	43.32	-	-	74	-30.68	-	-	0-360	201	H
2	1.714	32.63	PK	29	-31	0	30.63	-	-	-	-	68.2	-37.57	0-360	201	H
4	4.404	32.01	PK	33.3	-27.9	0	37.41	-	-	-	-	68.2	-30.79	0-360	100	H

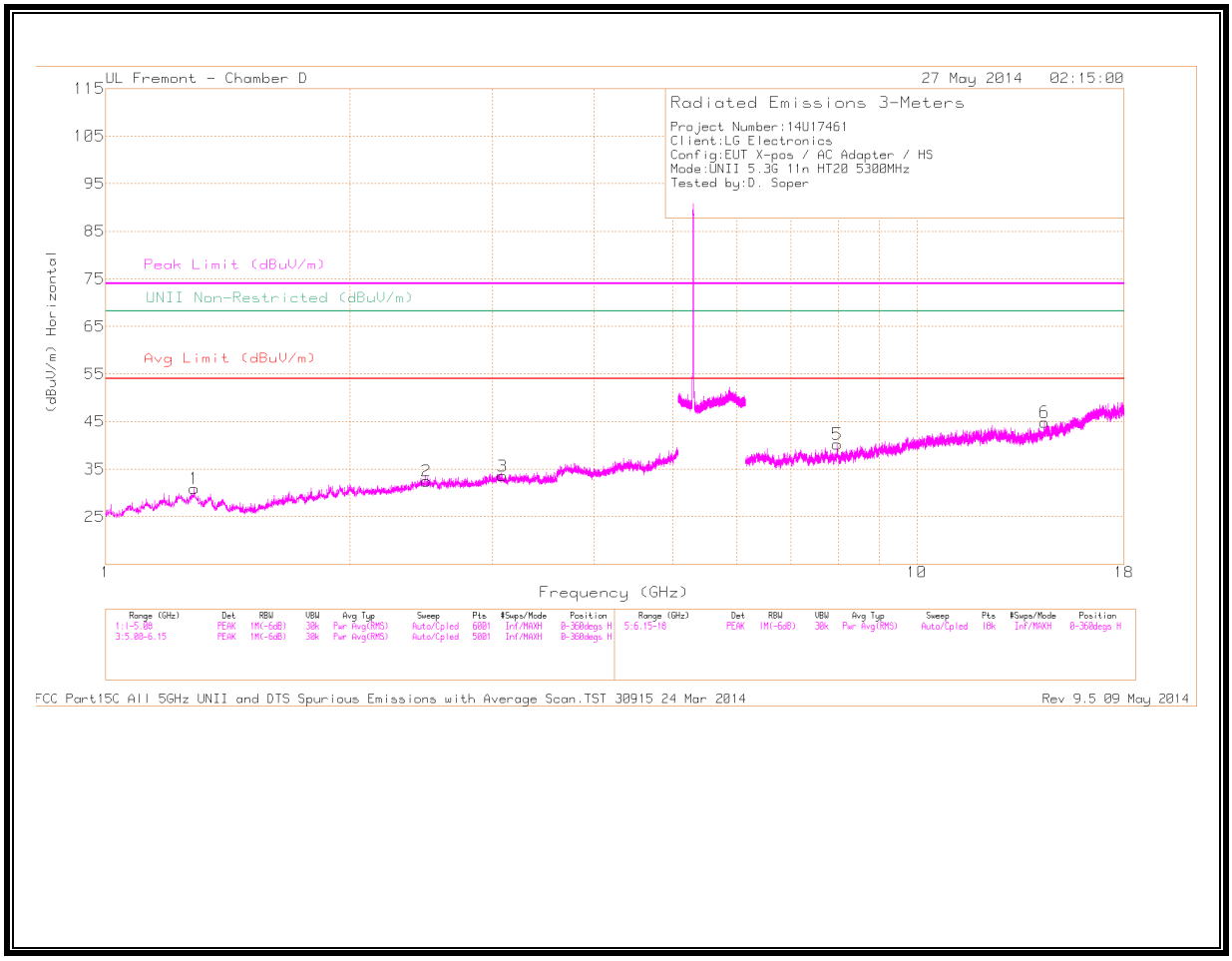
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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
* 1.343	40.68	PK1	28.6	-31.2	0	38.08	-	-	74	-35.92	-	-	2	202	H
* 1.342	29.33	AD1	28.6	-31.2	.2	26.93	54	-27.07	-	-	-	-	2	202	H

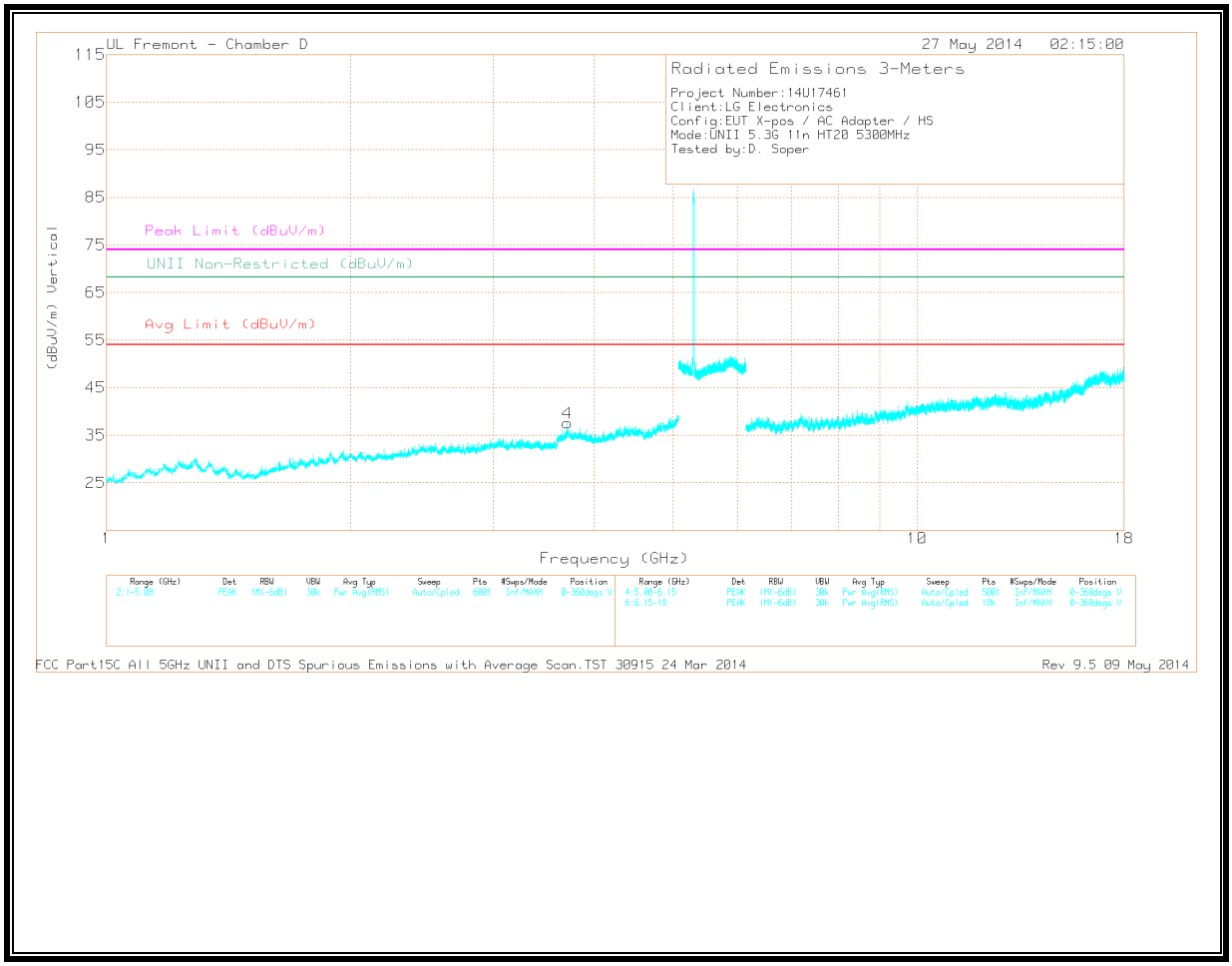
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 1.287	32.96	PK	29.2	-31.2	0	30.96	-	-	74	-43.04	-	-	0-360	100	H
2	* 2.486	30.41	PK	32.1	-30	0	32.51	-	-	74	-41.49	-	-	0-360	100	H
4	* 3.703	33.42	PK	32.6	-28.5	0	37.52	-	-	74	-36.48	-	-	0-360	201	V
3	3.086	30.19	PK	32.5	-29.1	0	33.59	-	-	-	-	68.2	-34.61	0-360	100	H
5	7.979	29.26	PK	35.3	-24.3	0	40.26	-	-	-	-	68.2	-27.94	0-360	100	H
6	14.366	29.27	PK	38.5	-22.9	0	44.87	-	-	-	-	68.2	-23.33	0-360	100	H

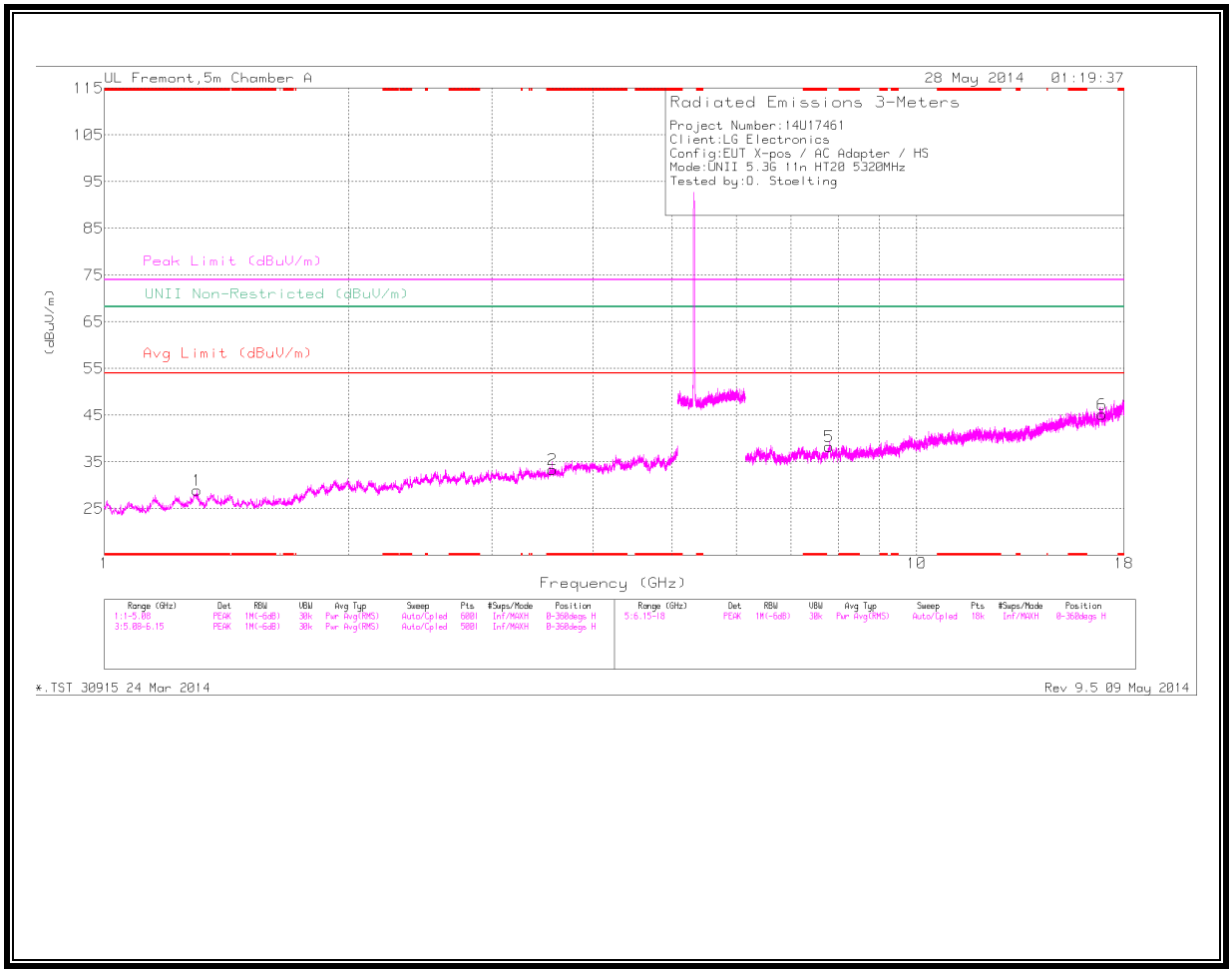
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.702	39.59	PK1	32.6	-28.5	0	43.69	-	-	74	-30.31	-	-	0	202	V
* 3.705	27.43	AD1	32.6	-28.5	.2	31.73	54	-22.27	-	-	-	-	0	202	V

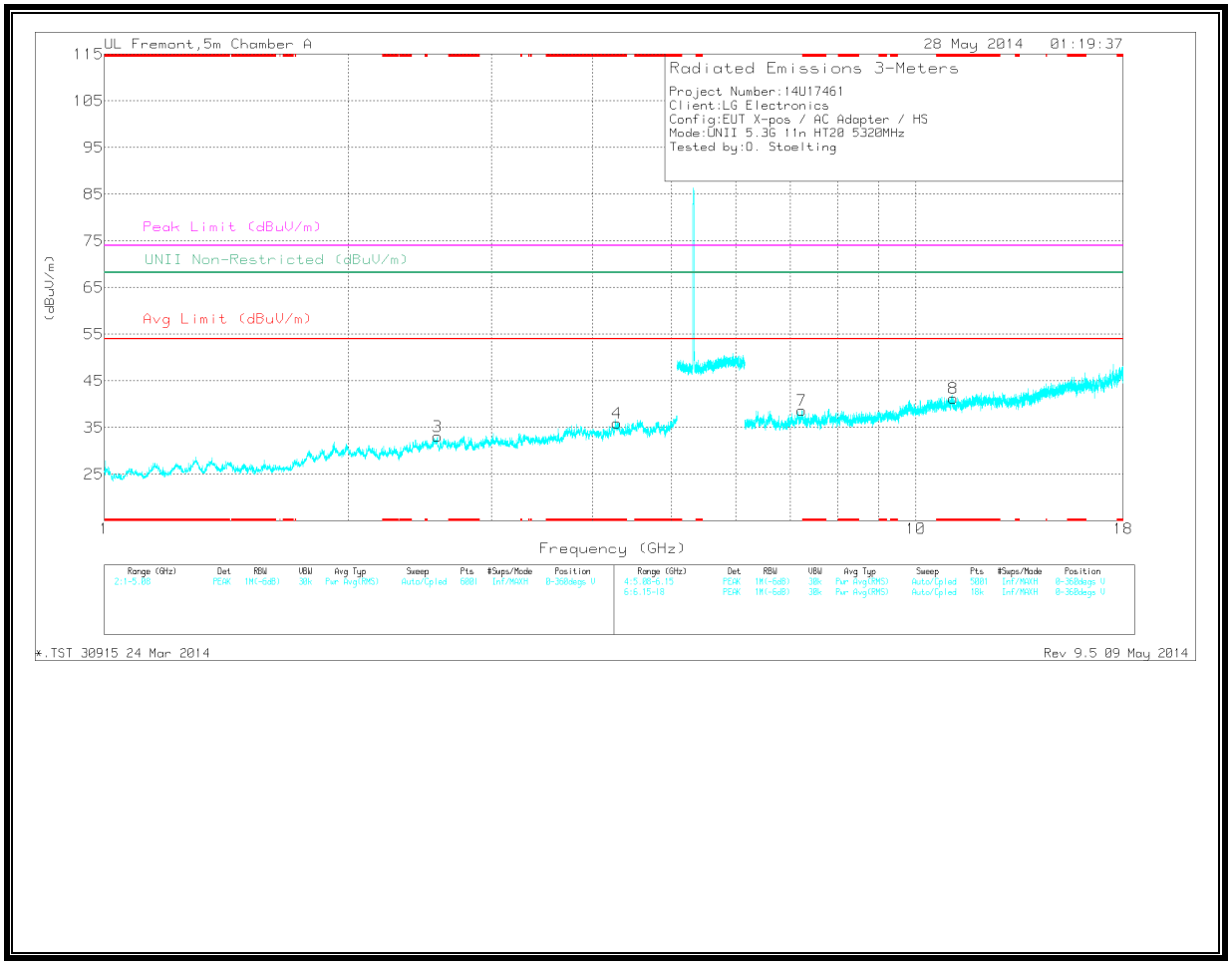
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.3	35.5	PK	30.2	-36.8	0	28.9	-	-	74	-45.1	-	-	0-360	100	H
2	* 3.564	31.54	PK	33.1	-31.3	0	33.34	-	-	74	-40.66	-	-	0-360	200	H
4	* 4.282	30.7	PK	34	-28.7	0	36	-	-	74	-38	-	-	0-360	200	V
8	* 11.113	26.06	PK	37.7	-22.5	0	41.26	-	-	74	-32.74	-	-	0-360	100	V
3	2.573	33.14	PK	32.9	-32.9	0	33.14	-	-	-	-	68.2	-35.06	0-360	100	V
7	7.237	28.36	PK	35.2	-24.9	0	38.66	-	-	-	-	68.2	-29.54	0-360	100	V
5	7.808	27.45	PK	35.5	-24.7	0	38.25	-	-	-	-	68.2	-29.95	0-360	200	H
6	16.924	24.16	PK	40.5	-19.5	0	45.16	-	-	-	-	68.2	-23.04	0-360	200	H

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

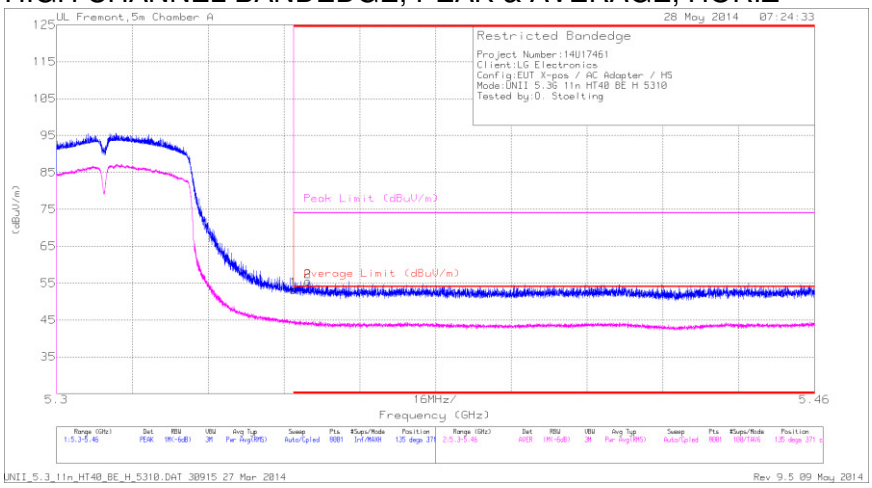
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.284	38.76	PK1	34	-28.8	0	43.96	-	-	74	-30.04	-	-	140	300	V
* 4.284	38.09	PK1	34	-28.8	0	43.29	-	-	74	-30.71	-	-	45	103	V
* 4.284	26.93	AD1	34	-28.8	.2	32.33	54	-21.67	-	-	-	-	45	103	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)

HIGH CHANNEL BANDEDGE, PEAK & AVERAGE, HORIZ

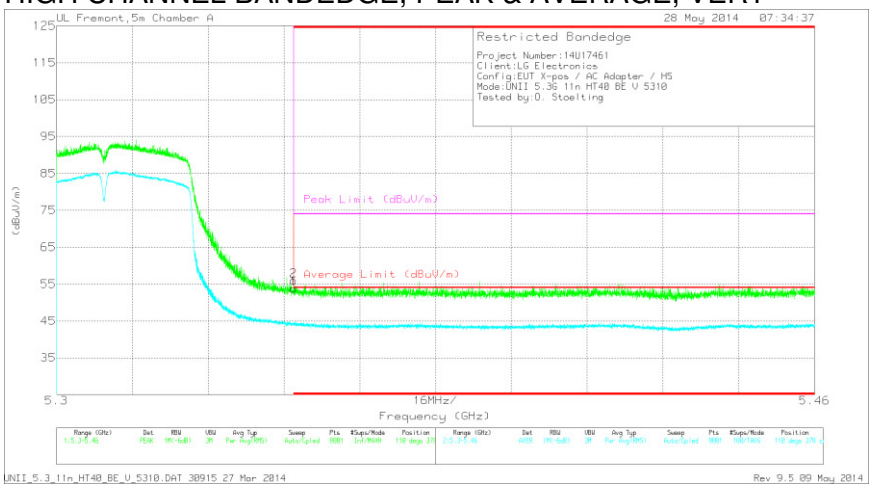


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.52	PK	34.3	-19.6	0	53.22	-	-	74	-20.78	135	371	H
3	* 5.35	29.21	RMS	34.3	-19.6	.5	44.31	54	-9.69	-	-	135	371	H
4	* 5.35	29.79	RMS	34.3	-19.6	.5	44.89	54	-9.11	-	-	135	371	H
2	* 5.353	40.87	PK	34.3	-19.7	0	55.47	-	-	74	-18.53	135	371	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

HIGH CHANNEL BANDEDGE, PEAK & AVERAGE, VERT



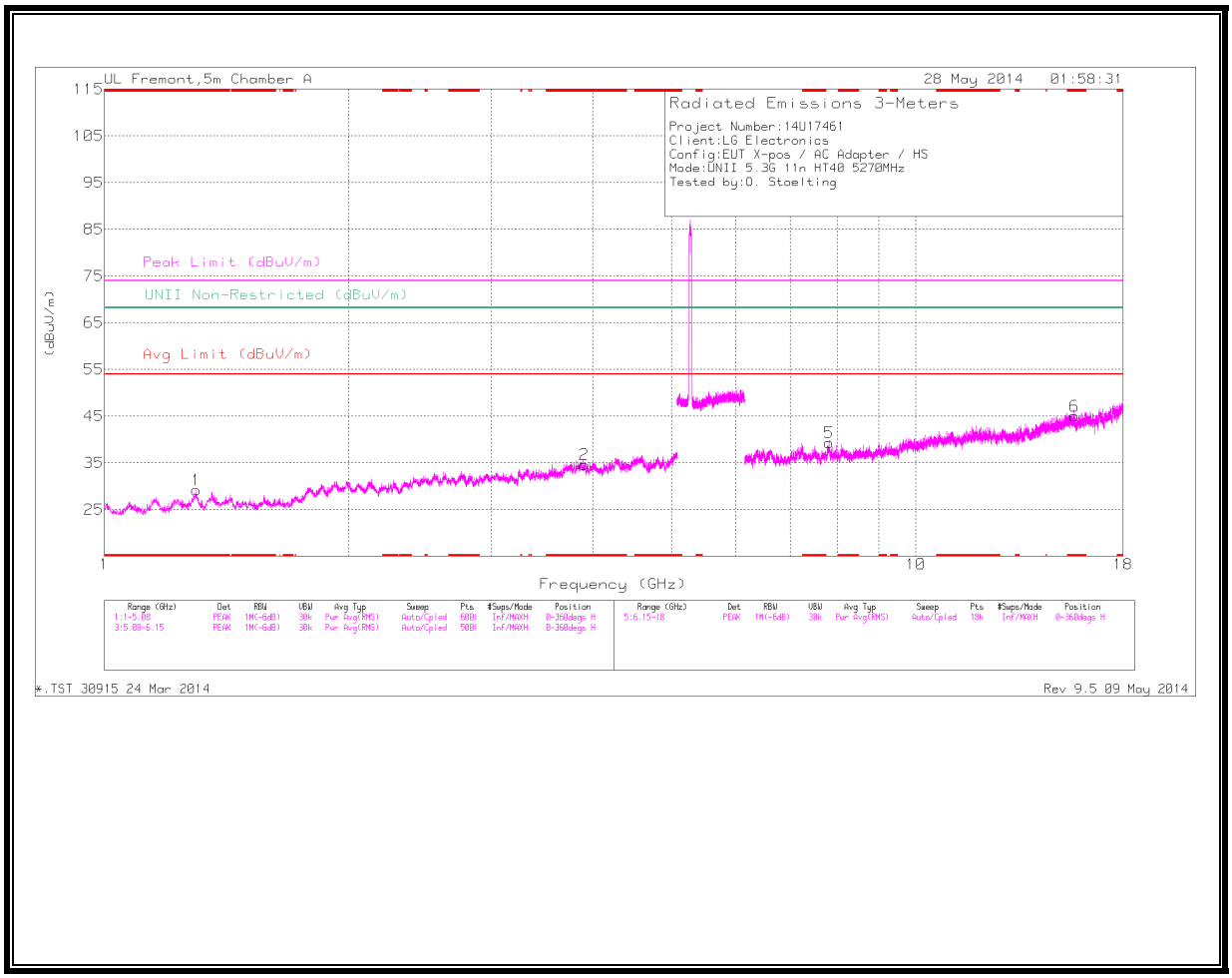
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	39.03	PK	34.3	-19.6	0	53.73	-	-	74	-20.27	110	378	V
2	* 5.35	41.23	PK	34.3	-19.6	0	55.93	-	-	74	-18.07	110	378	V
3	* 5.35	29.36	RMS	34.3	-19.6	.5	44.46	54	-9.54	-	-	110	378	V
4	* 5.351	29.73	RMS	34.3	-19.6	.5	44.83	54	-9.17	-	-	110	378	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

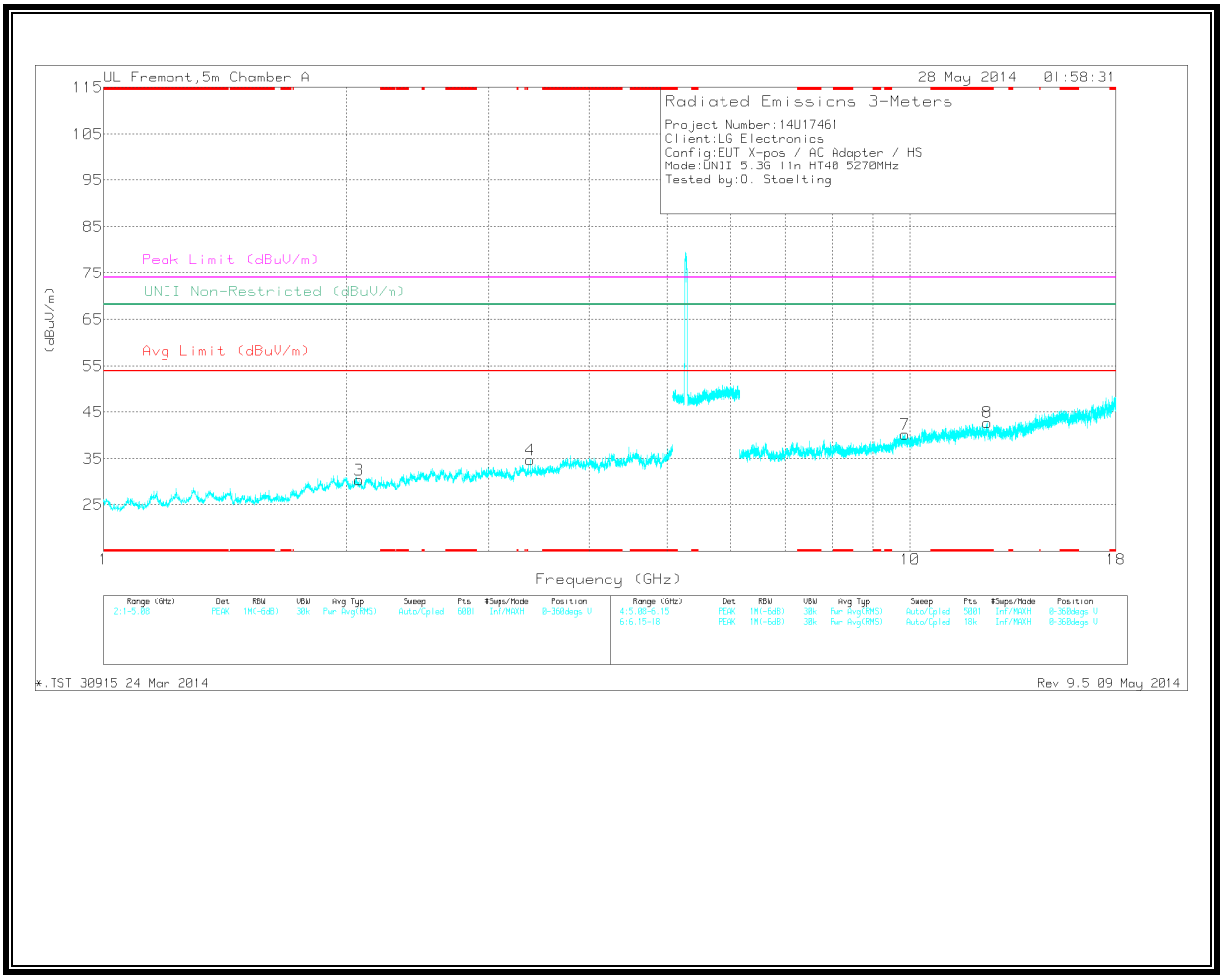
HARMONICS AND SPURIOUS EMISSIONS

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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.298	35.68	PK	30.2	-36.7	0	29.18	-	-	74	-44.82	-	-	0-360	200	H
2	* 3.904	32.23	PK	33.8	-31.4	0	34.63	-	-	74	-39.37	-	-	0-360	103	H
6	* 15.676	25.47	PK	40.4	-20.8	0	45.07	-	-	74	-28.93	-	-	0-360	100	H
8	* 12.467	25.78	PK	38.8	-21.8	0	42.78	-	-	74	-31.22	-	-	0-360	200	V
3	2.072	33.41	PK	31.8	-34.7	0	30.51	-	-	-	-	68.2	-37.69	0-360	100	V
4	3.381	33.57	PK	33	-31.8	0	34.77	-	-	-	-	68.2	-33.43	0-360	201	V
5	7.819	28.14	PK	35.5	-24.3	0	39.34	-	-	-	-	68.2	-28.86	0-360	100	H
7	9.854	26.24	PK	37	-23	0	40.24	-	-	-	-	68.2	-27.96	0-360	200	V

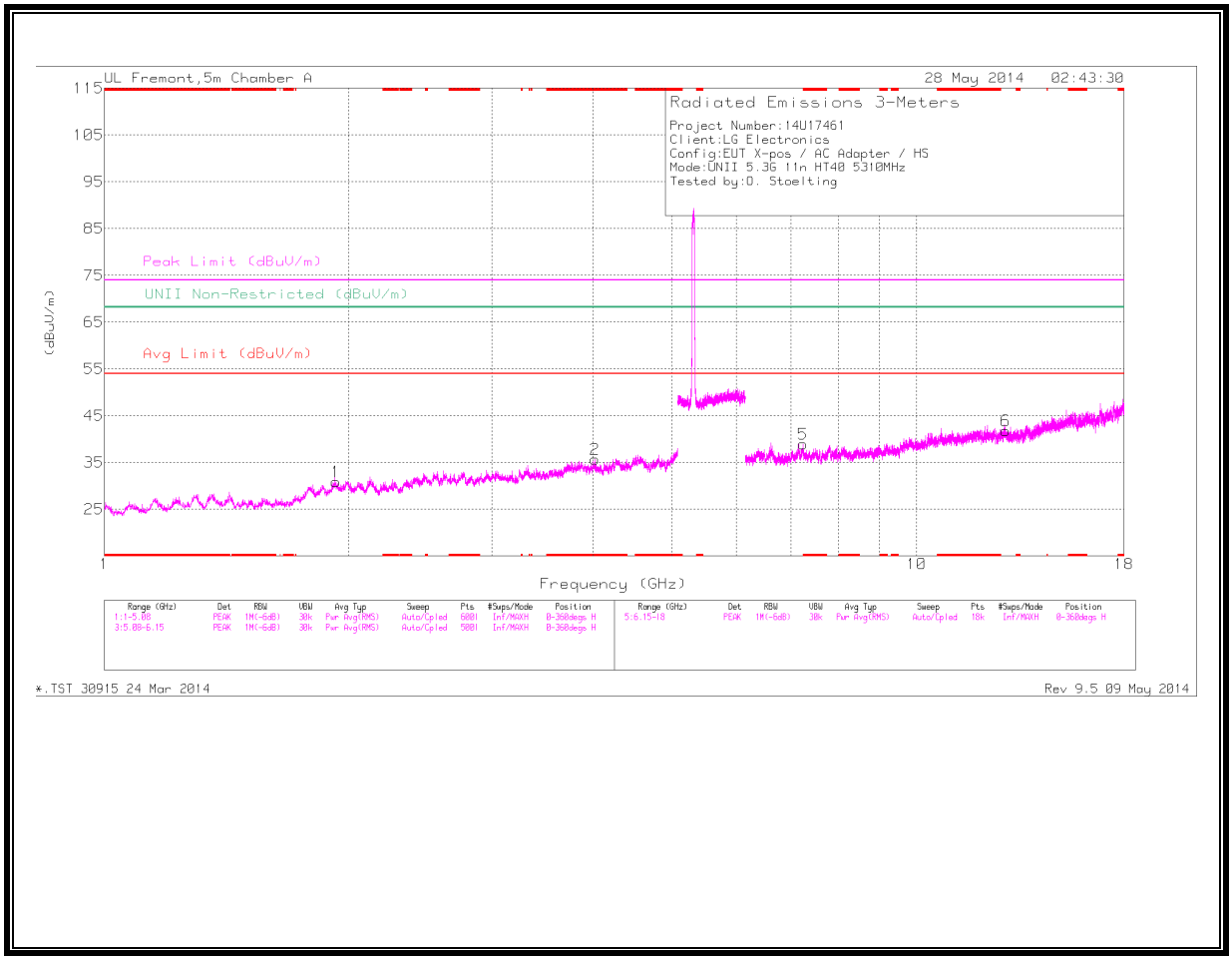
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.38	28.48	AD1	33	-31.8	.5	30.08	-	-	-	-	-	-	209	341	V
3.383	40.77	PK1	33	-31.9	0	41.87	-	-	-	-	68.2	-26.33	209	341	V

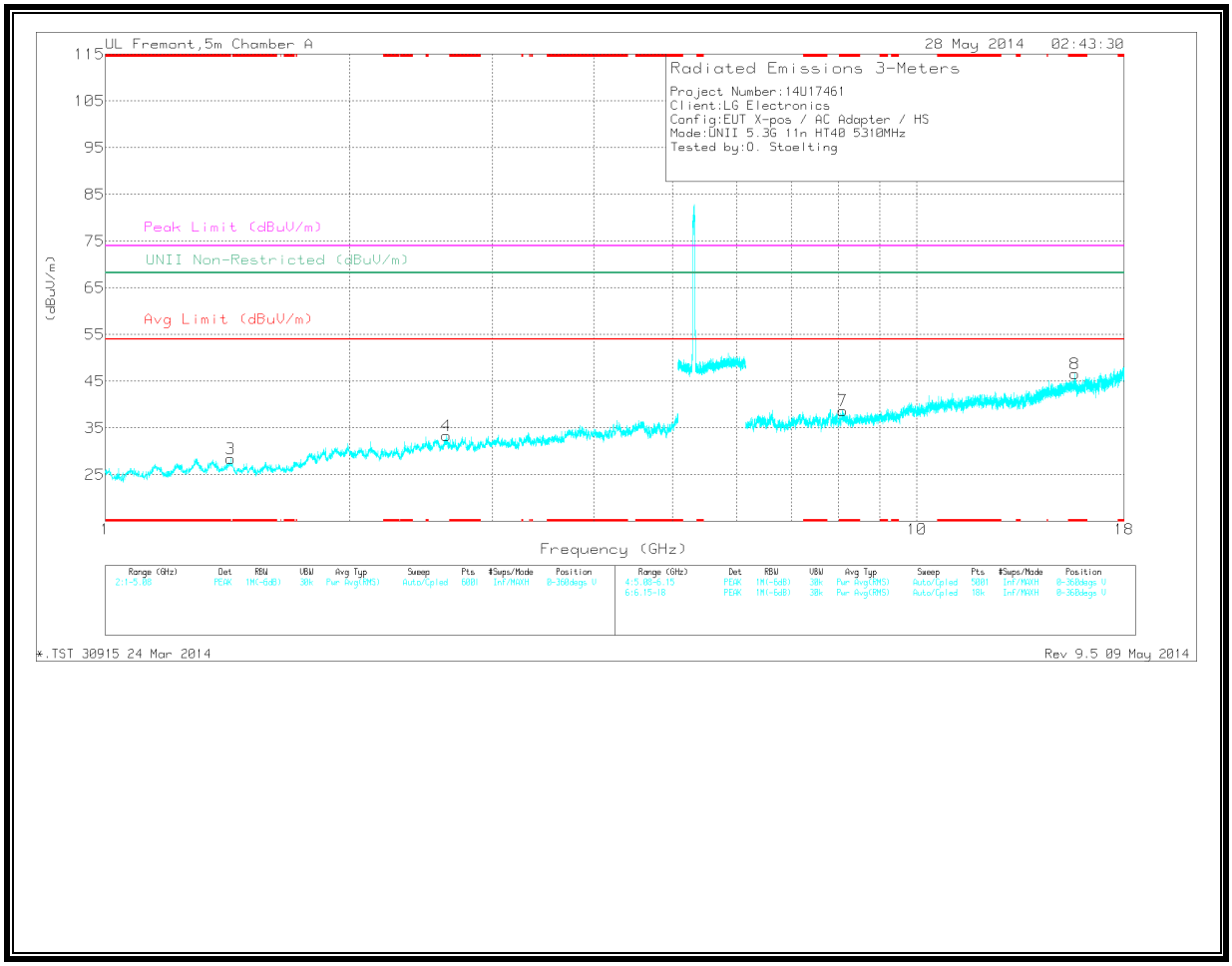
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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.

MID CHANNEL DATA
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.019	31.75	PK	33.7	-29.7	0	35.75	-	-	74	-38.25	-	-	0-360	100	H
7	* 8.099	28.45	PK	35.5	-25.2	0	38.75	-	-	74	-35.25	-	-	0-360	100	V
8	* 15.668	26.46	PK	40.4	-20.3	0	46.56	-	-	74	-27.44	-	-	0-360	100	V
3	1.427	35.19	PK	29.5	-36.2	0	28.49	-	-	-	-	68.2	-39.71	0-360	100	V
1	1.93	33.67	PK	31.8	-34.6	0	30.87	-	-	-	-	68.2	-37.33	0-360	100	H
4	2.634	33.63	PK	32.9	-33.2	0	33.33	-	-	-	-	68.2	-34.87	0-360	201	V
5	7.245	29.02	PK	35.2	-25.3	0	38.92	-	-	-	-	68.2	-29.28	0-360	100	H
6	12.869	25.33	PK	39	-22.5	0	41.83	-	-	-	-	68.2	-26.37	0-360	200	H

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

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.632	30.07	AD1	32.9	-33.3	.5	30.07	-	-	-	-	-	-	359	202	V
2.635	41.59	PK1	32.9	-33.1	0	41.39	-	-	-	-	68.2	-26.81	359	202	V

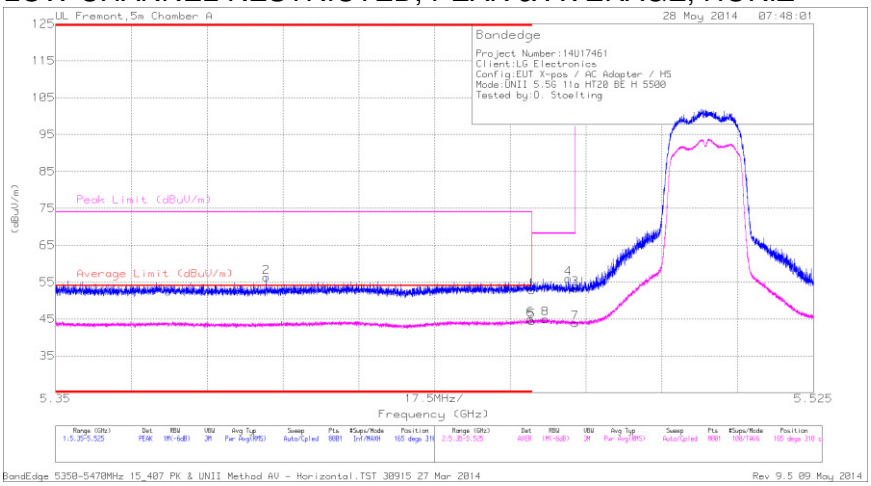
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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)

LOW CHANNEL RESTRICTED, PEAK & AVERAGE, HORIZ

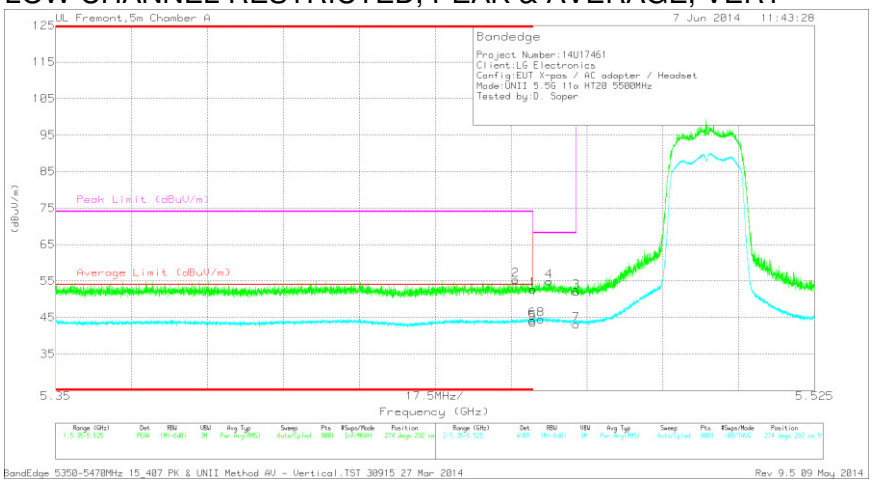


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.399	41.72	PK	34.4	-19.8	0	56.32	-	-	74	-17.68	165	310	H
1	* 5.46	38.14	PK	34.4	-19.8	0	52.74	-	-	74	-21.26	165	310	H
5	* 5.46	29.34	RMS	34.4	-19.8	.2	44.44	54	-9.56	-	-	165	310	H
6	* 5.46	29.81	RMS	34.4	-19.8	.2	44.91	54	-9.09	-	-	165	310	H
8	5.463	29.81	RMS	34.4	-19.7	.2	45.01	-	-	-	-	165	310	H
4	5.468	41.78	PK	34.4	-20.2	0	55.98	-	-	68.2	-12.22	165	310	H
3	5.47	39.16	PK	34.4	-20.3	0	53.26	-	-	68.2	-14.94	165	310	H
7	5.47	29.31	RMS	34.4	-20.3	.2	43.91	-	-	-	-	165	310	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

LOW CHANNEL RESTRICTED, PEAK & AVERAGE, VERT



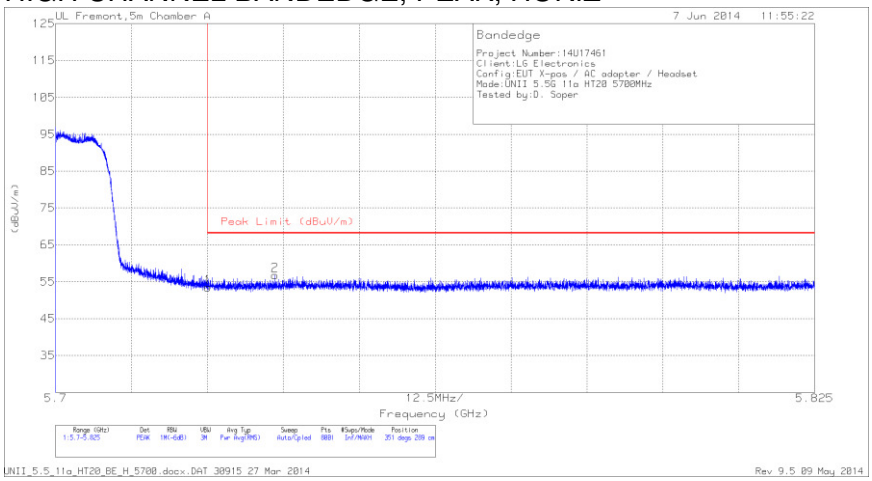
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.07	PK	34.4	-19.8	0	52.67	-	-	74	-21.33	274	292	V
2	* 5.456	40.79	PK	34.4	-19.9	0	55.29	-	-	74	-18.71	274	292	V
5	* 5.46	29.04	RMS	34.4	-19.8	.2	44.14	54	-9.86	-	-	274	292	V
6	* 5.46	29.67	RMS	34.4	-19.8	.2	44.77	54	-9.23	-	-	274	292	V
8	5.462	29.74	RMS	34.4	-19.7	.2	44.94	-	-	-	-	274	292	V
4	5.464	40.32	PK	34.4	-19.8	0	54.92	-	-	68.2	-13.28	274	292	V
3	5.47	37.97	PK	34.4	-20.3	0	52.07	-	-	68.2	-16.13	274	292	V
7	5.47	29.01	RMS	34.4	-20.3	.2	43.61	-	-	-	-	274	292	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL BANDEDGE, PEAK, HORIZ

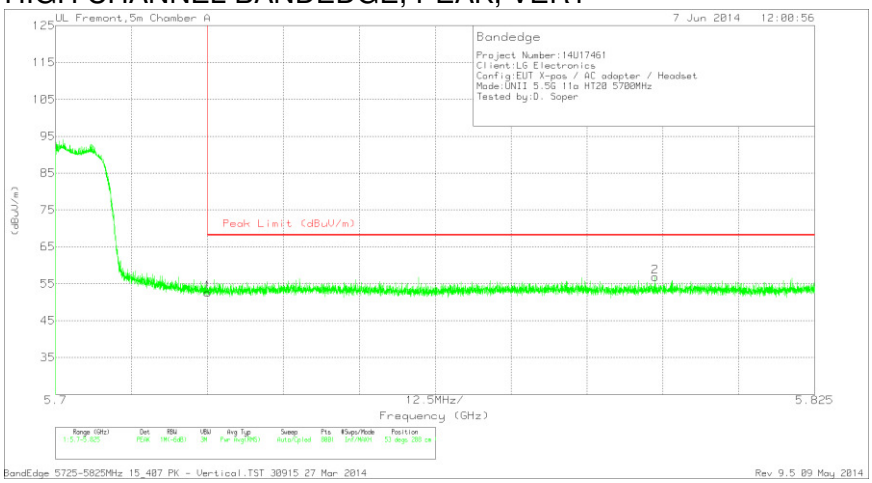


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (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	53.5	68.2	-14.7	351	289	H
2	5.736	41.61	PK	34.6	-19.4	56.81	68.2	-11.39	351	289	H

PK - Peak detector

HIGH CHANNEL BANDEDGE, PEAK, VERT



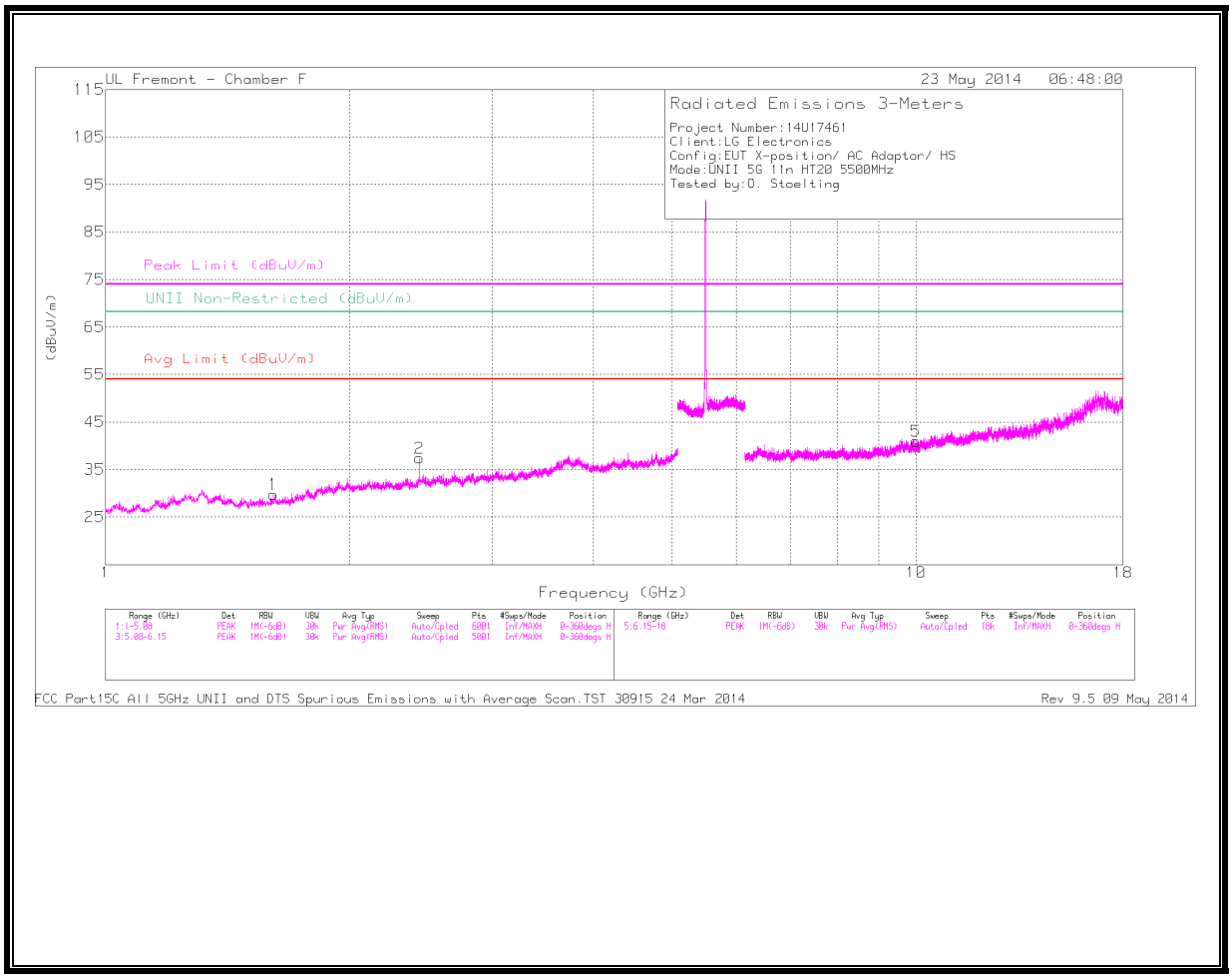
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.59	PK	34.6	-19.6	52.59	68.2	-15.61	53	288	V
2	5.799	41.39	PK	34.8	-19.3	56.89	68.2	-11.31	53	288	V

PK - Peak detector

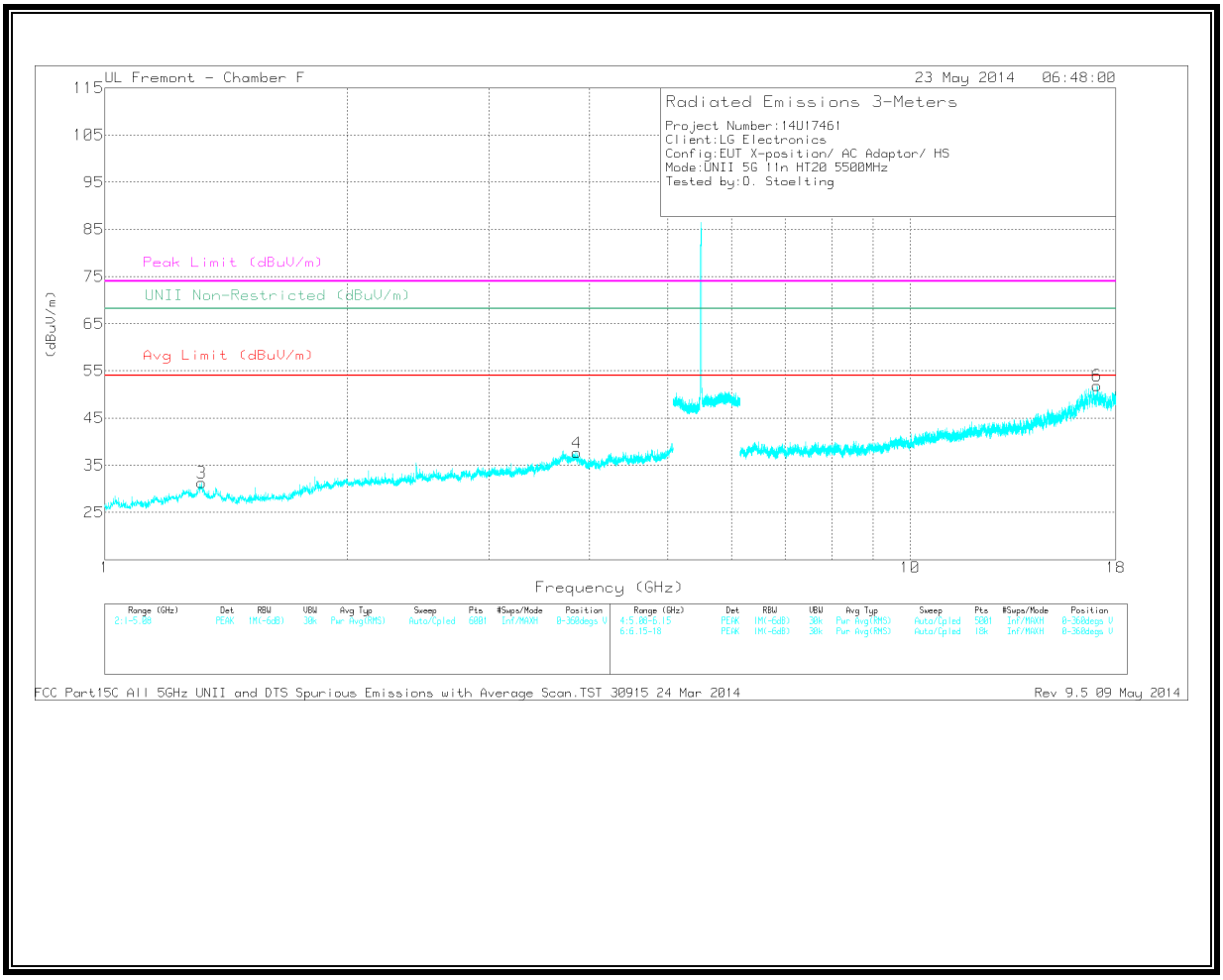
HARMONICS AND SPURIOUS EMISSIONS

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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.611	32.79	PK	28.6	-31.6	0	29.79	-	-	74	-44.21	-	-	0-360	101	H
2	2.44	35.91	PK	32.4	-30.9	0	37.41	-	-	-	-	68.2	-30.79	0-360	200	H
3	* 1.319	32.82	PK	29.9	-31.4	0	31.32	-	-	74	-42.68	-	-	0-360	101	V
4	* 3.856	32.87	PK	34.2	-29.4	0	37.67	-	-	74	-36.33	-	-	0-360	201	V
5	9.989	26.05	PK	37.2	-22.3	0	40.95	-	-	-	-	68.2	-27.25	0-360	200	H
6	17.061	27.21	PK	41.2	-16.5	0	51.91	-	-	-	-	68.2	-16.29	0-360	101	V

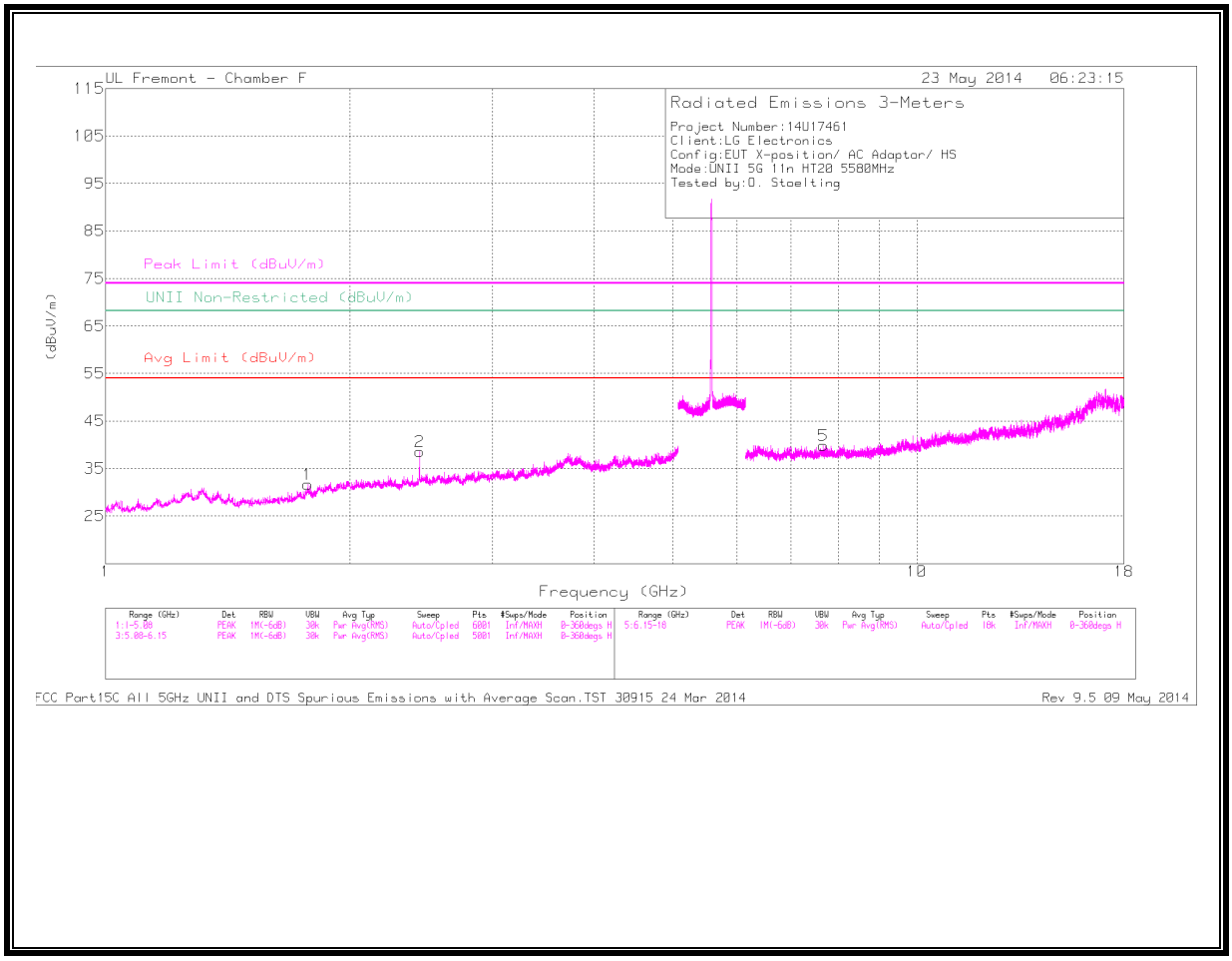
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.44	45.13	PK1	32.4	-30.9	0	46.63	-	-	-	-	68.2	-21.57	224	165	H
2.44	30.33	AD1	32.4	-30.9	.2	32.03	-	-	-	-	-	-	224	165	H

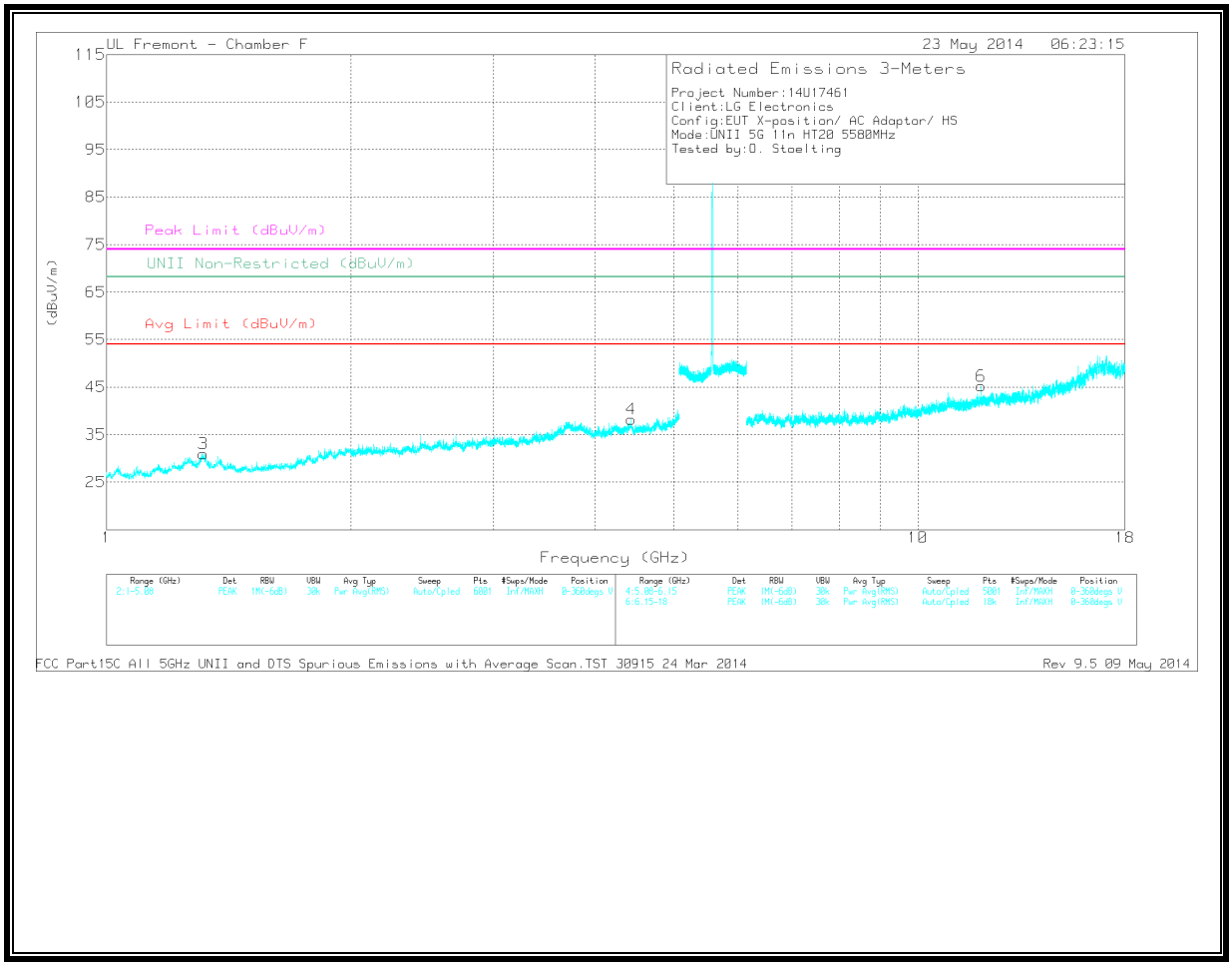
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.776	32.88	PK	30	-31.2	0	31.68	-	-	-	-	68.2	-36.52	0-360	199	H
2	2.44	37.05	PK	32.4	-30.9	0	38.55	-	-	-	-	68.2	-29.65	0-360	199	H
3	* 1.316	32.47	PK	29.9	-31.4	0	30.97	-	-	74	-43.03	-	-	0-360	101	V
4	4.433	31.55	PK	33.9	-27.2	0	38.25	-	-	-	-	68.2	-29.95	0-360	201	V
5	* 7.669	30.05	PK	35.6	-25.8	0	39.85	-	-	74	-34.15	-	-	0-360	200	H
6	* 11.961	29.33	PK	38.9	-23	0	45.23	-	-	74	-28.77	-	-	0-360	101	V

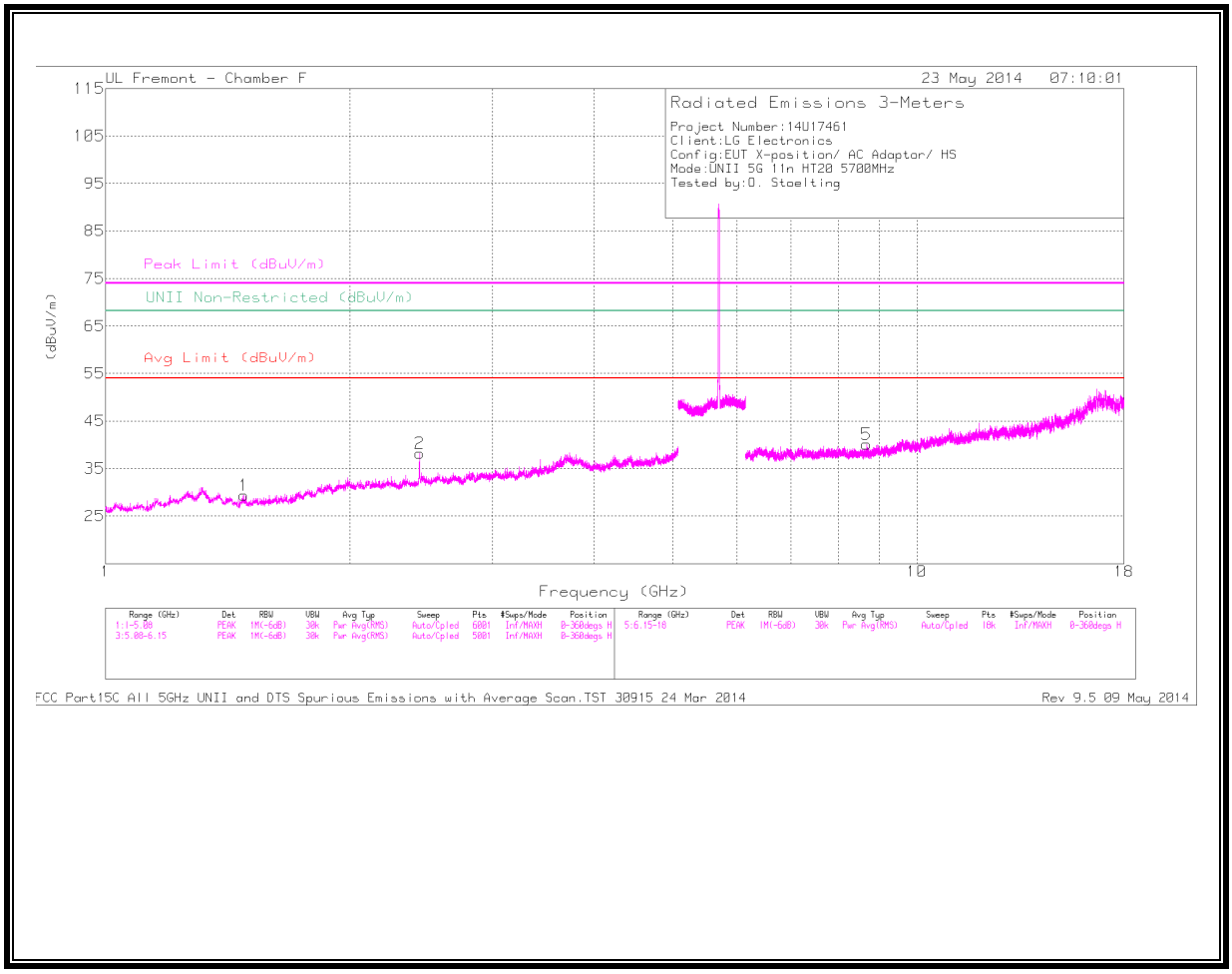
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.439	44.46	PK1	32.4	-30.9	0	45.96	-	-	-	-	68.2	-22.24	360	202	H
2.438	29.32	AD1	32.4	-30.9	.2	31.02	-	-	-	-	-	-	360	202	H

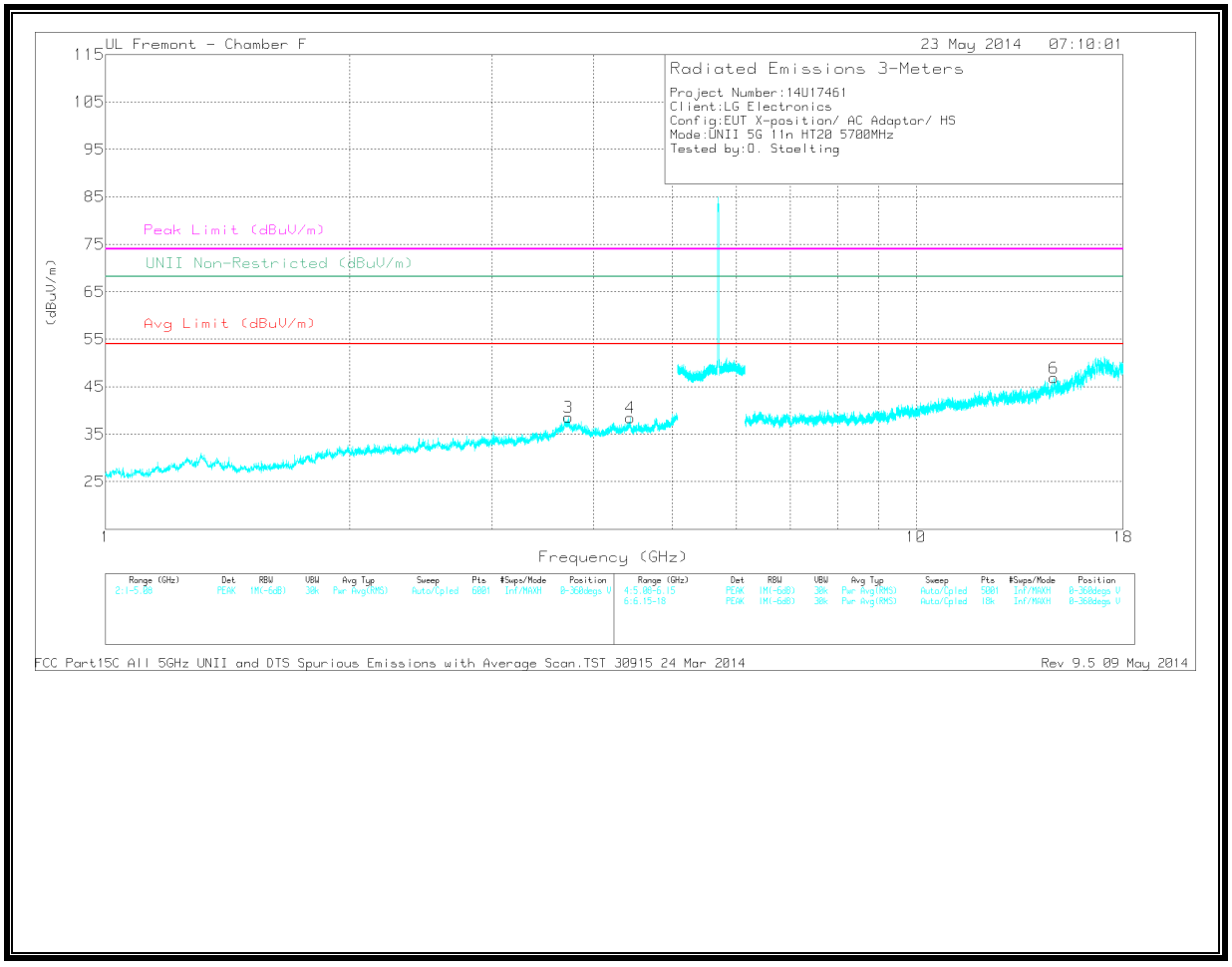
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.481	32.79	PK	28.5	-31.9	0	29.39	-	-	74	-44.61	-	-	0-360	199	H
2	2.44	36.74	PK	32.4	-30.9	0	38.24	-	-	-	-	68.2	-29.96	0-360	199	H
3	* 3.726	33.14	PK	34.7	-29.3	0	38.54	-	-	74	-35.46	-	-	0-360	201	V
4	4.444	31.98	PK	33.9	-27.4	0	38.48	-	-	-	-	68.2	-29.72	0-360	201	V
5	8.668	29.02	PK	35.9	-24.8	0	40.12	-	-	-	-	68.2	-28.08	0-360	200	H
6	14.789	28.67	PK	39.8	-21.6	0	46.87	-	-	-	-	68.2	-21.33	0-360	201	V

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

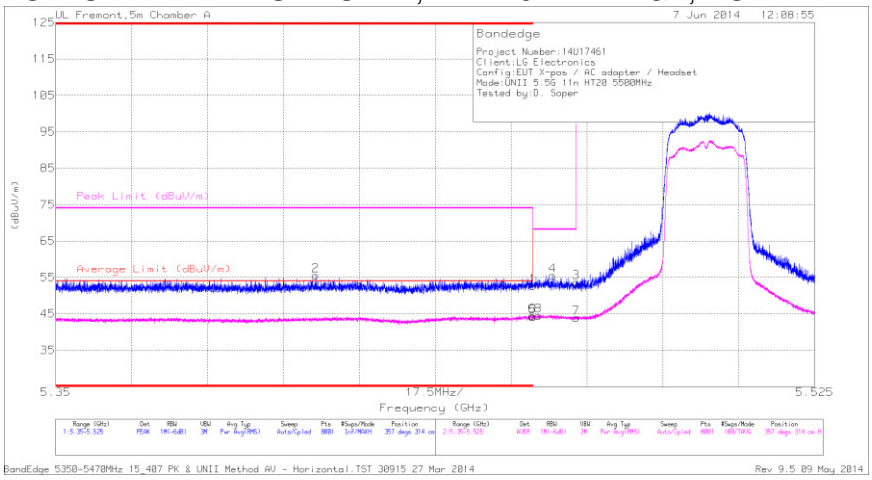
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.438	42.53	PK1	32.4	-30.9	0	44.03	-	-	-	-	68.2	-24.17	360	200	H
2.439	29.15	AD1	32.4	-30.9	.2	30.85	-	-	-	-	-	-	360	200	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)

LOW CHANNEL RESTRICTED, PEAK & AVERAGE, HORIZ

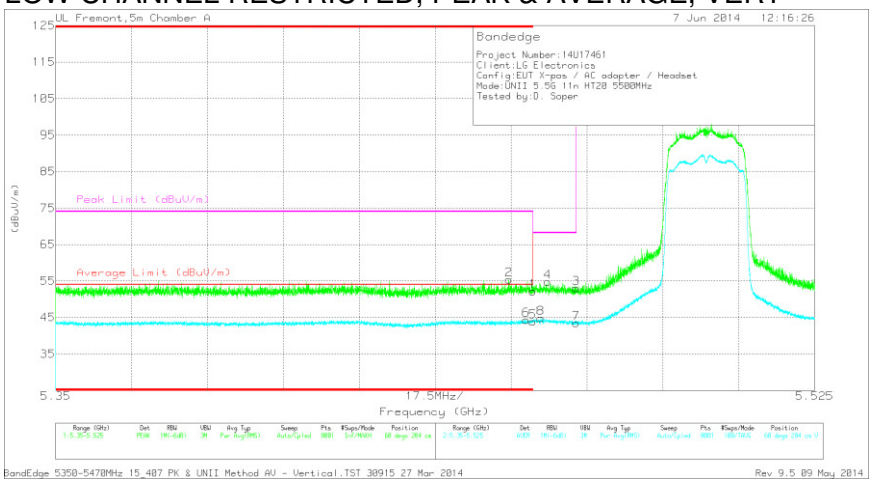


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.41	40.71	PK	34.4	-19.6	0	55.51	-	-	74	-18.49	357	314	H
1	* 5.46	38.02	PK	34.4	-19.8	0	52.62	-	-	74	-21.38	357	314	H
5	* 5.46	29.55	RMS	34.4	-19.8	.2	44.35	54	-9.65	-	-	357	314	H
6	* 5.46	29.85	RMS	34.4	-19.8	.2	44.65	54	-9.35	-	-	357	314	H
8	5.461	29.8	RMS	34.4	-19.7	.2	44.7	-	-	-	-	357	314	H
4	5.465	40.99	PK	34.4	-19.9	0	55.49	-	-	68.2	-12.71	357	314	H
3	5.47	39.57	PK	34.4	-20.3	0	53.67	-	-	68.2	-14.53	357	314	H
7	5.47	29.74	RMS	34.4	-20.3	.2	44.04	-	-	-	-	357	314	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

LOW CHANNEL RESTRICTED, PEAK & AVERAGE, VERT



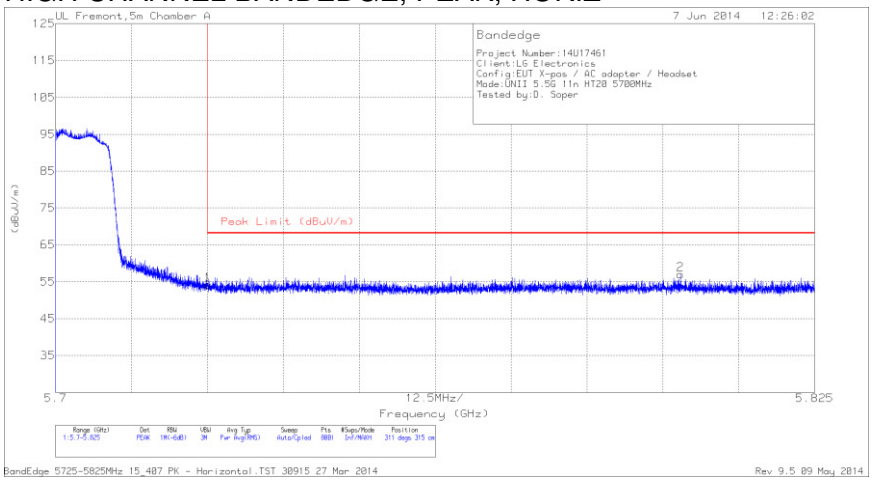
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.454	41	PK	34.4	-20	0	55.4	-	-	74	-18.6	60	284	V
6	* 5.458	29.56	RMS	34.4	-19.8	.2	44.36	54	-9.64	-	-	60	284	V
1	* 5.46	37.61	PK	34.4	-19.8	0	52.21	-	-	74	-21.79	60	284	V
5	* 5.46	29.05	RMS	34.4	-19.8	.2	43.85	54	-10.15	-	-	60	284	V
8	5.462	29.94	RMS	34.4	-19.7	.2	44.84	-	-	-	-	60	284	V
4	5.463	40.14	PK	34.4	-19.8	0	54.74	-	-	68.2	-13.46	60	284	V
3	5.47	38.91	PK	34.4	-20.3	0	53.01	-	-	68.2	-15.19	60	284	V
7	5.47	29.21	RMS	34.4	-20.3	.2	43.51	-	-	-	-	60	284	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL BANDEDGE, PEAK, HORIZ

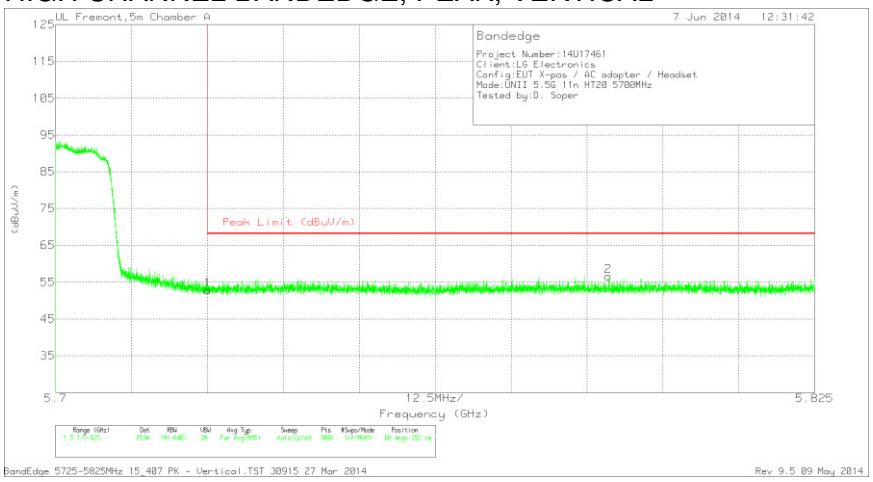


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.21	PK	34.6	-19.6	54.21	68.2	-13.99	311	315	H
2	5.803	41.44	PK	34.8	-19.3	56.94	68.2	-11.26	311	315	H

PK - Peak detector

HIGH CHANNEL BANDEDGE, PEAK, VERTICAL



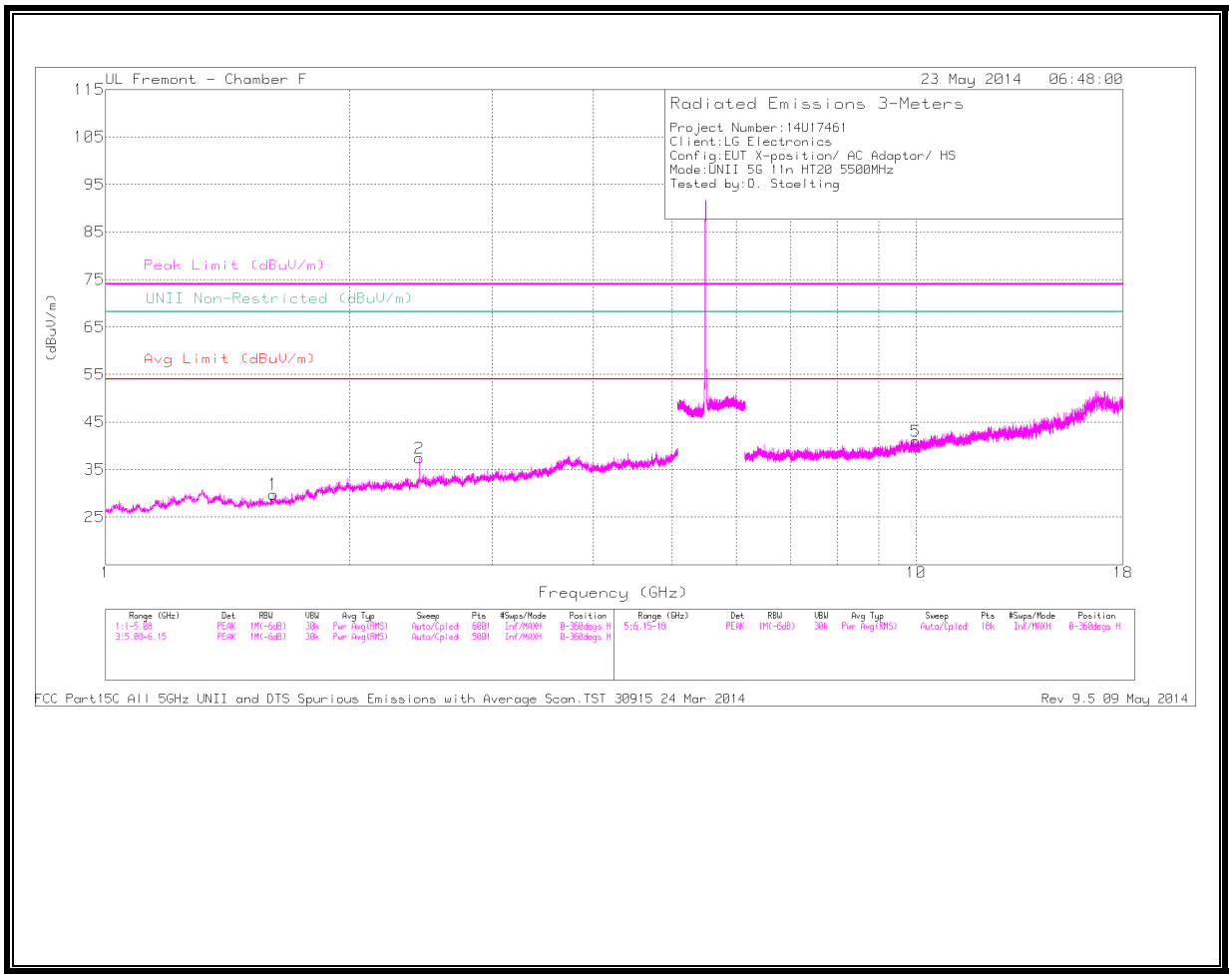
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.78	PK	34.6	-19.6	52.78	68.2	-15.42	60	292	V
2	5.791	41.18	PK	34.7	-19.3	56.58	68.2	-11.62	60	292	V

PK - Peak detector

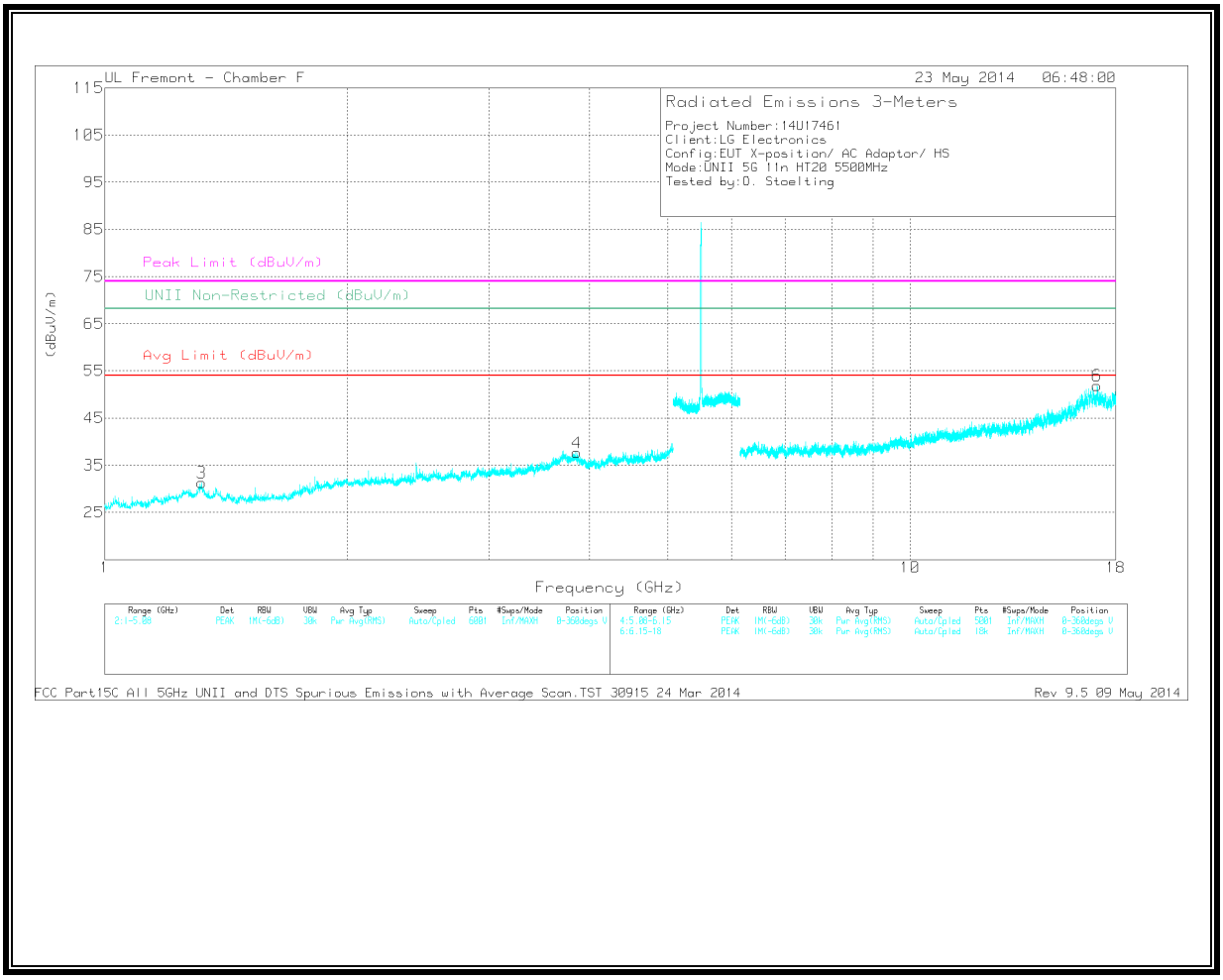
HARMONICS AND SPURIOUS EMISSIONS

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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.611	32.79	PK	28.6	-31.6	0	29.79	-	-	74	-44.21	-	-	0-360	101	H
2	2.44	35.91	PK	32.4	-30.9	0	37.41	-	-	-	-	68.2	-30.79	0-360	200	H
3	* 1.319	32.82	PK	29.9	-31.4	0	31.32	-	-	74	-42.68	-	-	0-360	101	V
4	* 3.856	32.87	PK	34.2	-29.4	0	37.67	-	-	74	-36.33	-	-	0-360	201	V
5	9.989	26.05	PK	37.2	-22.3	0	40.95	-	-	-	-	68.2	-27.25	0-360	200	H
6	17.061	27.21	PK	41.2	-16.5	0	51.91	-	-	-	-	68.2	-16.29	0-360	101	V

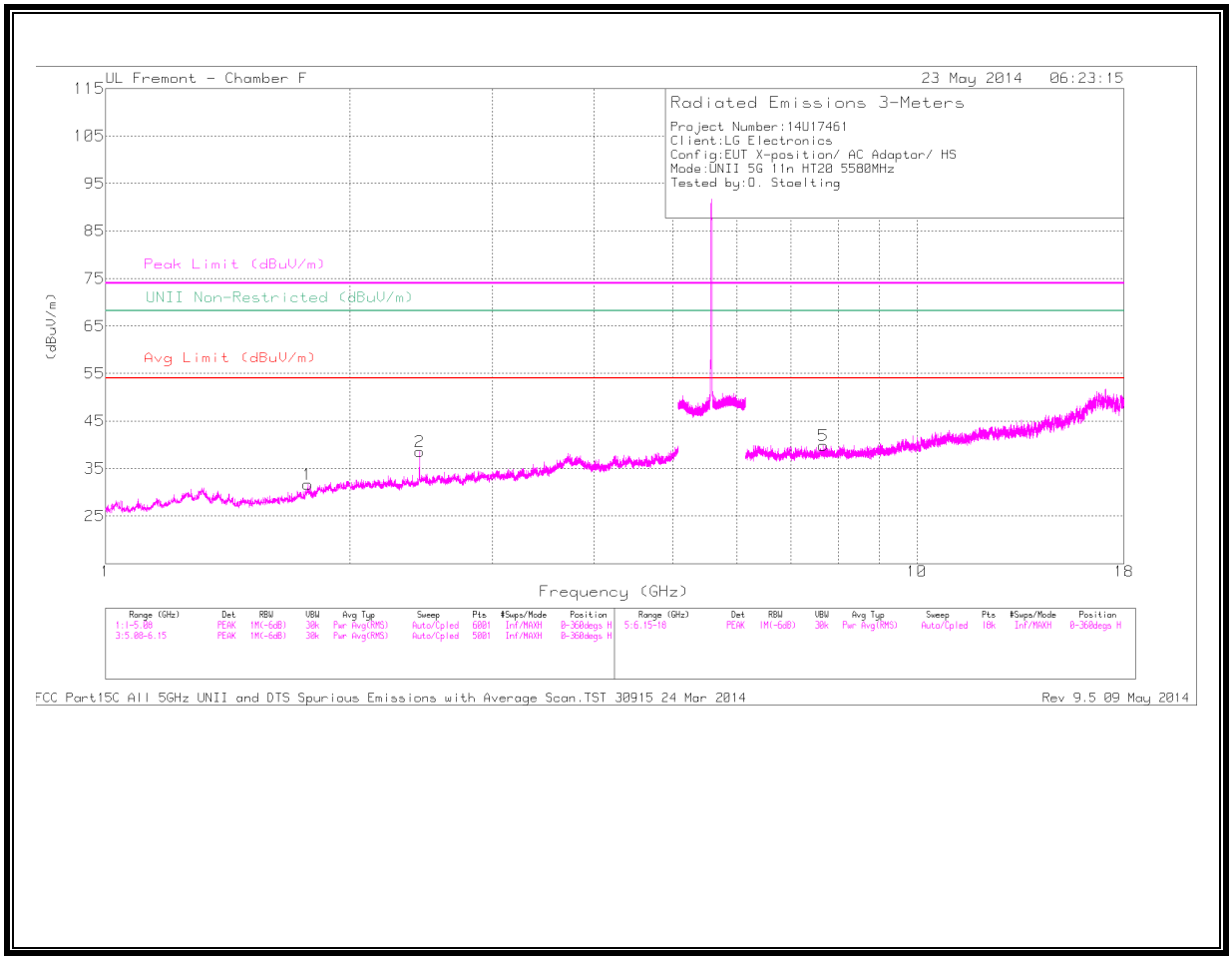
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.44	45.13	PK1	32.4	-30.9	0	46.63	-	-	-	-	68.2	-21.57	224	165	H
2.44	30.33	AD1	32.4	-30.9	.2	32.03	-	-	-	-	-	-	224	165	H

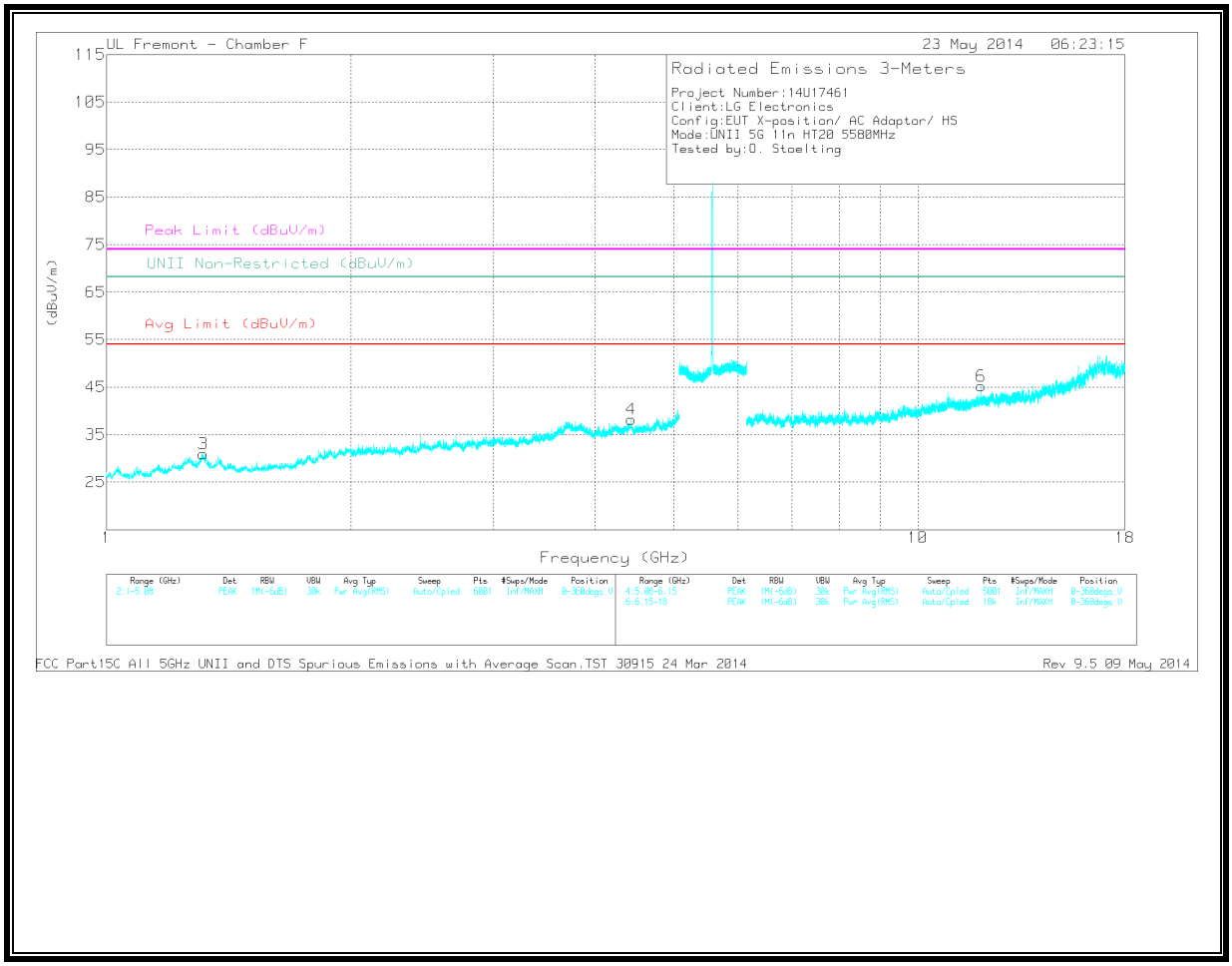
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.776	32.88	PK	30	-31.2	0	31.68	-	-	-	-	68.2	-36.52	0-360	199	H
2	2.44	37.05	PK	32.4	-30.9	0	38.55	-	-	-	-	68.2	-29.65	0-360	199	H
3	* 1.316	32.47	PK	29.9	-31.4	0	30.97	-	-	74	-43.03	-	-	0-360	101	V
4	4.433	31.55	PK	33.9	-27.2	0	38.25	-	-	-	-	68.2	-29.95	0-360	201	V
5	* 7.669	30.05	PK	35.6	-25.8	0	39.85	-	-	74	-34.15	-	-	0-360	200	H
6	* 11.961	29.33	PK	38.9	-23	0	45.23	-	-	74	-28.77	-	-	0-360	101	V

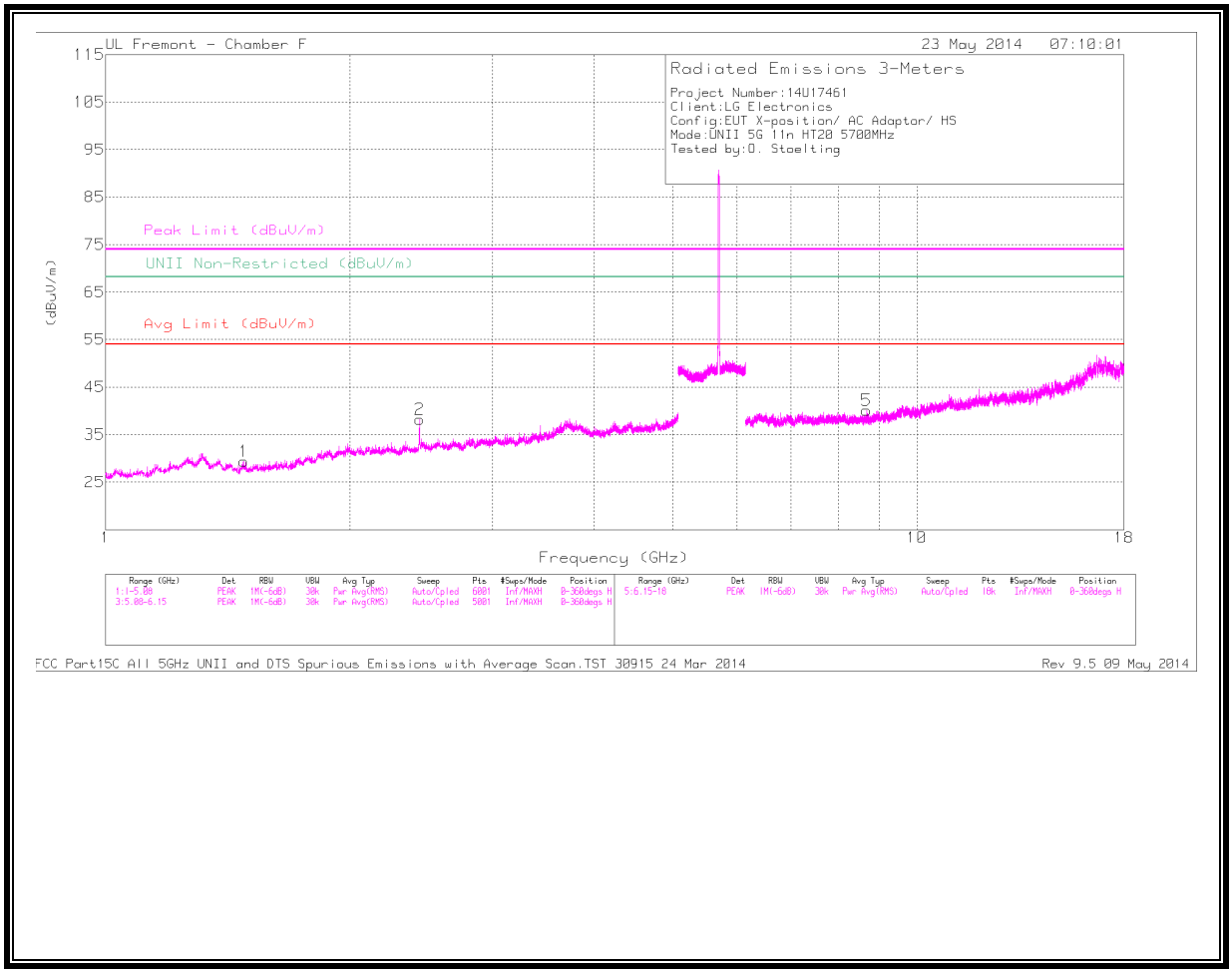
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.439	44.46	PK1	32.4	-30.9	0	45.96	-	-	-	-	68.2	-22.24	360	202	H
2.438	29.32	AD1	32.4	-30.9	.2	31.02	-	-	-	-	-	-	360	202	H

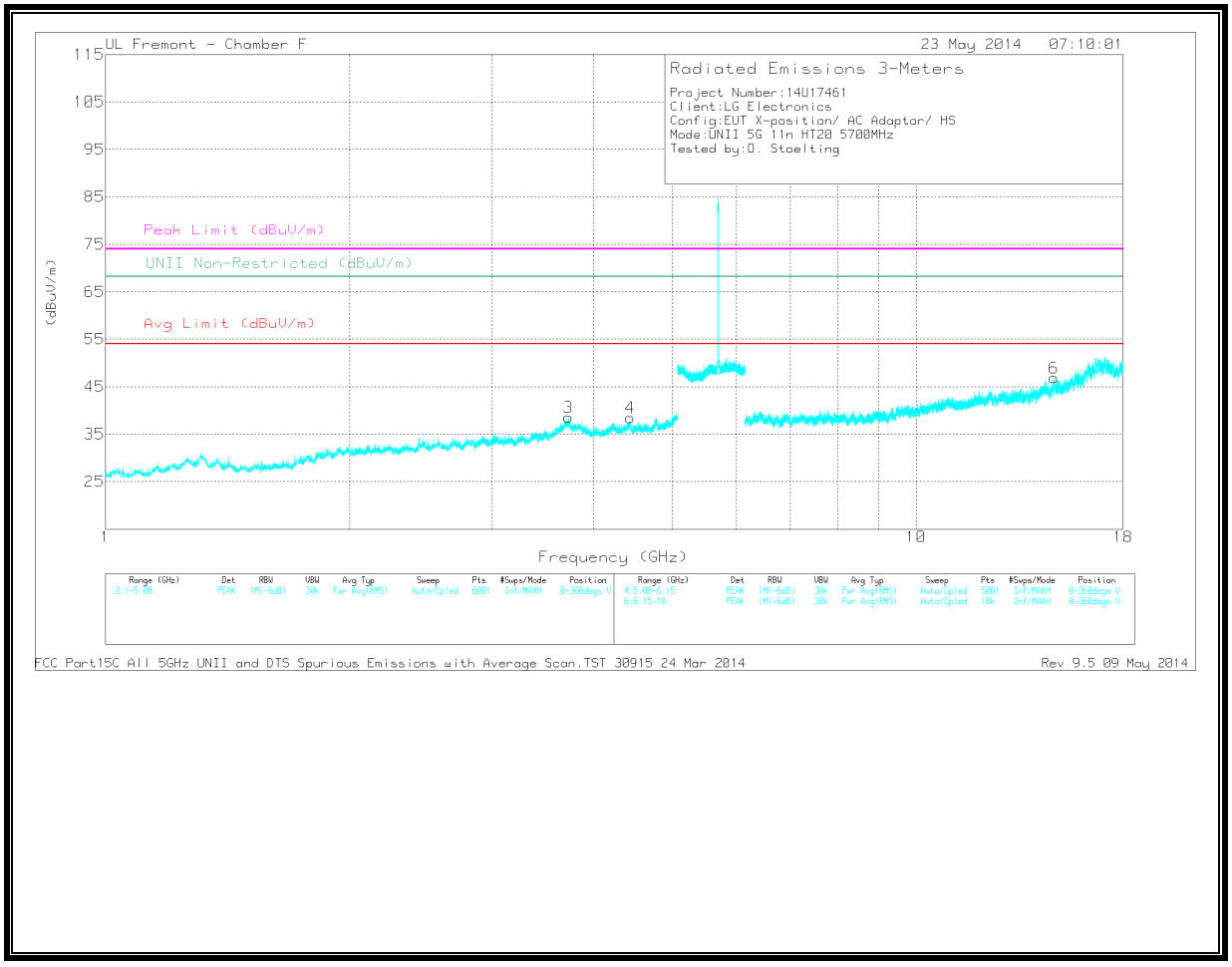
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.481	32.79	PK	28.5	-31.9	0	29.39	-	-	74	-44.61	-	-	0-360	199	H
2	2.44	36.74	PK	32.4	-30.9	0	38.24	-	-	-	-	68.2	-29.96	0-360	199	H
3	* 3.726	33.14	PK	34.7	-29.3	0	38.54	-	-	74	-35.46	-	-	0-360	201	V
4	4.444	31.98	PK	33.9	-27.4	0	38.48	-	-	-	-	68.2	-29.72	0-360	201	V
5	8.668	29.02	PK	35.9	-24.8	0	40.12	-	-	-	-	68.2	-28.08	0-360	200	H
6	14.789	28.67	PK	39.8	-21.6	0	46.87	-	-	-	-	68.2	-21.33	0-360	201	V

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

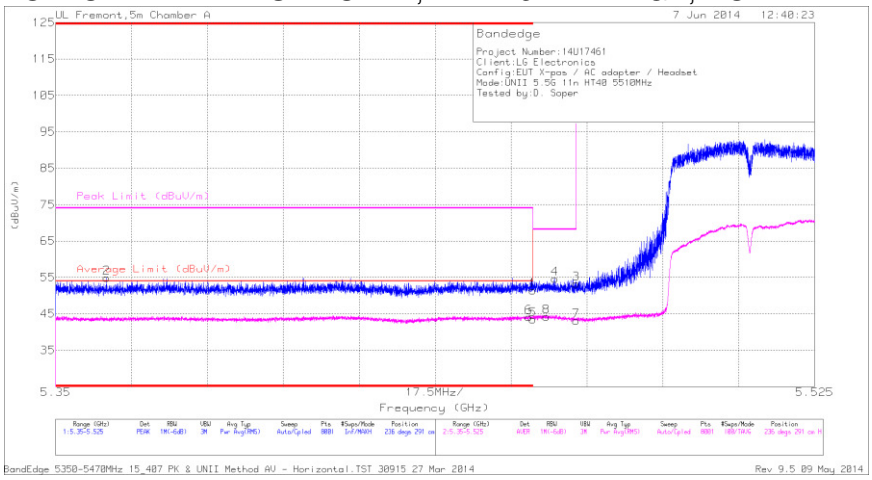
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.438	42.53	PK1	32.4	-30.9	0	44.03	-	-	-	-	68.2	-24.17	360	200	H
2.439	29.15	AD1	32.4	-30.9	.2	30.85	-	-	-	-	-	-	360	200	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)

LOW CHANNEL RESTRICTED, PEAK & AVERAGE, HORIZ

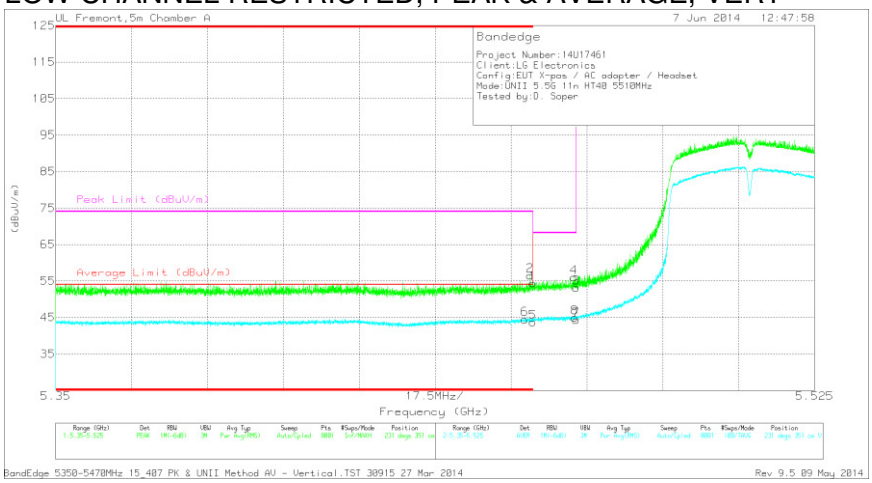


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.362	40.31	PK	34.3	-19.7	0	54.91	-	-	74	-19.09	236	291	H
6	* 5.459	29.52	RMS	34.4	-19.8	.5	44.62	54	-9.38	-	-	236	291	H
1	* 5.46	36.87	PK	34.4	-19.8	0	51.47	-	-	74	-22.53	236	291	H
5	* 5.46	28.82	RMS	34.4	-19.8	.5	43.92	54	-10.08	-	-	236	291	H
8	5.463	29.55	RMS	34.4	-19.7	.5	44.75	-	-	-	-	236	291	H
4	5.465	40.17	PK	34.4	-19.9	0	54.67	-	-	68.2	-13.53	236	291	H
3	5.47	39.13	PK	34.4	-20.3	0	53.23	-	-	68.2	-14.97	236	291	H
7	5.47	29.04	RMS	34.4	-20.3	.5	43.64	-	-	-	-	236	291	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

LOW CHANNEL RESTRICTED, PEAK & AVERAGE, VERT



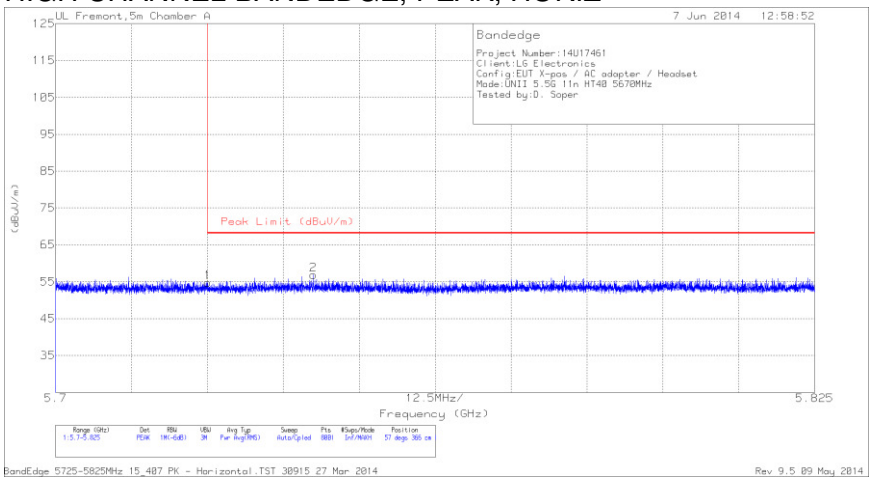
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 5.458	30.02	RMS	34.4	-19.9	.5	45.02	54	-8.98	-	-	231	351	V
2	* 5.459	41.93	PK	34.4	-19.8	0	56.53	-	-	74	-17.47	231	351	V
1	* 5.46	39.81	PK	34.4	-19.8	0	54.41	-	-	74	-19.59	231	351	V
5	* 5.46	29.1	RMS	34.4	-19.8	.5	44.2	54	-9.8	-	-	231	351	V
3	5.47	39.06	PK	34.4	-20.3	0	53.16	-	-	68.2	-15.04	231	351	V
4	5.47	41.85	PK	34.4	-20.3	0	55.95	-	-	68.2	-12.25	231	351	V
7	5.47	30.24	RMS	34.4	-20.3	.5	44.84	-	-	-	-	231	351	V
8	5.47	30.81	RMS	34.4	-20.3	.5	45.41	-	-	-	-	231	351	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector
RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL BANDEDGE, PEAK, HORIZ

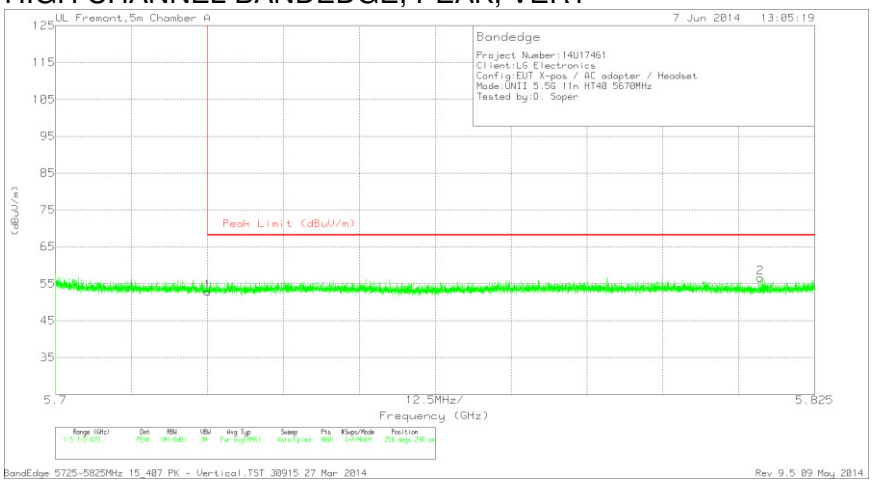


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.82	PK	34.6	-19.6	54.82	68.2	-13.38	57	366	H
2	5.742	41.62	PK	34.6	-19.4	56.82	68.2	-11.38	57	366	H

PK - Peak detector

HIGH CHANNEL BANDEDGE, PEAK, VERT



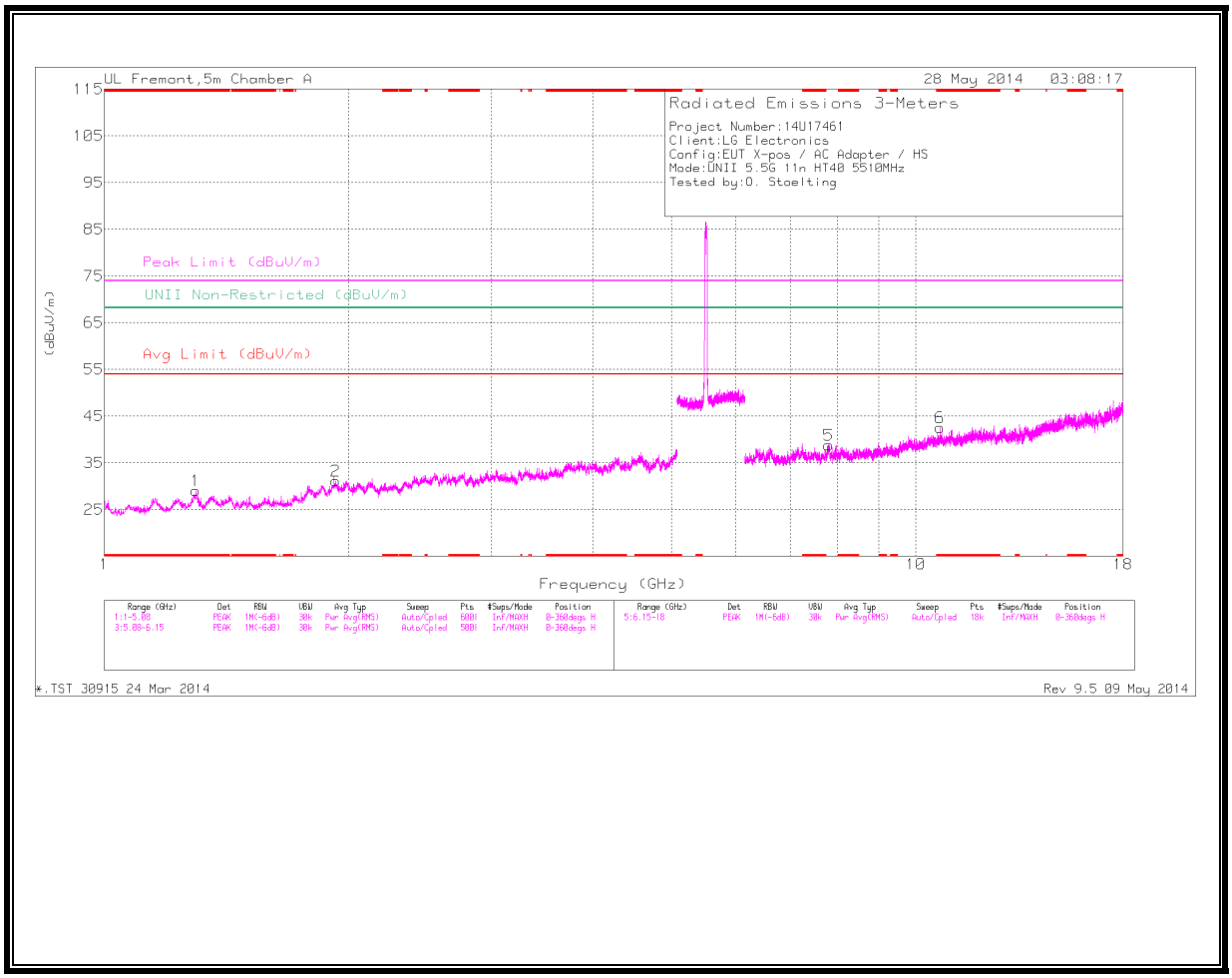
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.8	PK	34.6	-19.6	52.8	68.2	-15.4	256	298	V
2	5.816	41.48	PK	34.8	-19.6	56.68	68.2	-11.52	256	298	V

PK - Peak detector

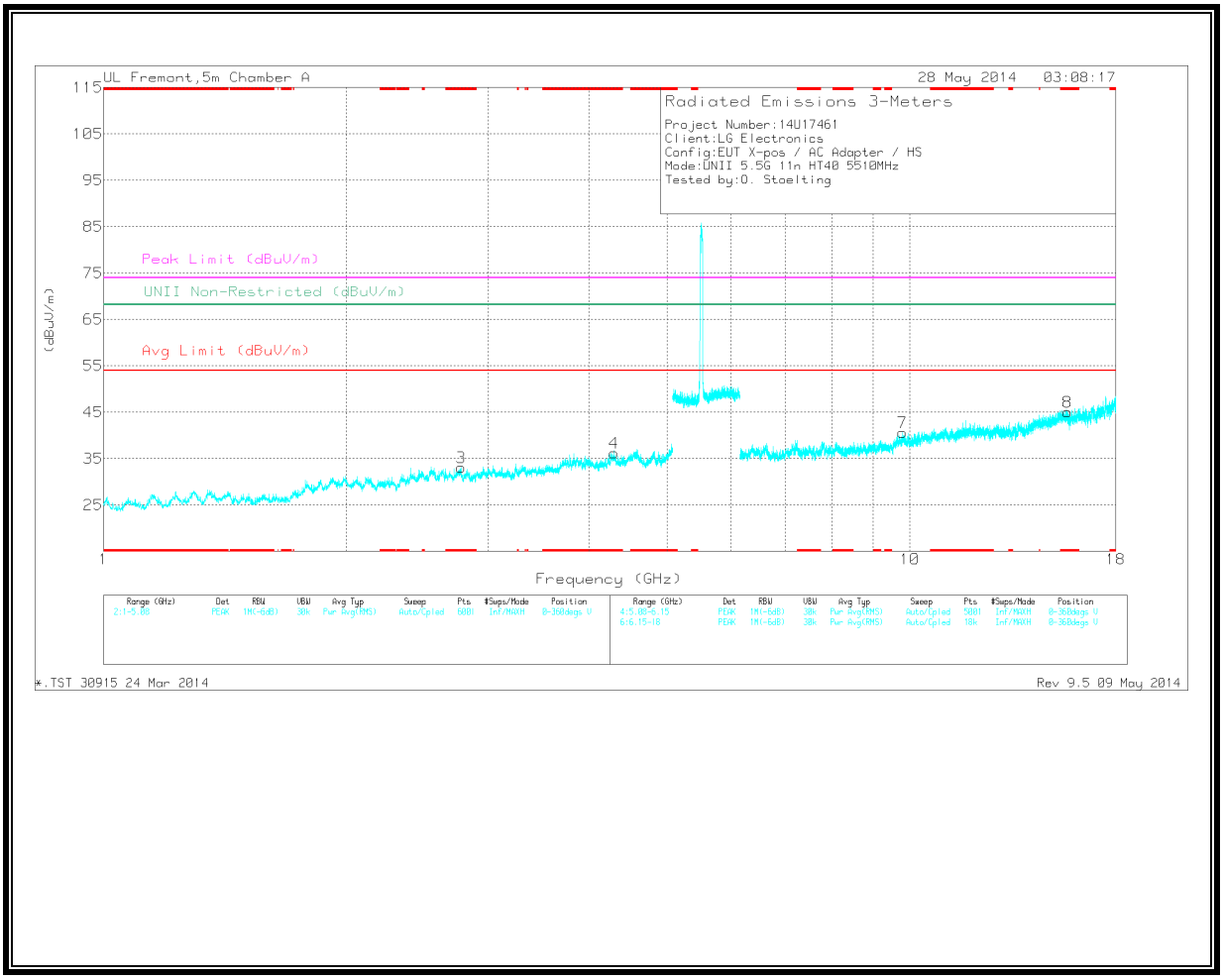
HARMONICS AND SPURIOUS EMISSIONS

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
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.297	35.6	PK	30.2	-36.7	0	29.1	-	-	74	-44.9	-	-	0-360	200	H
3	* 2.774	32.95	PK	32.7	-32.5	0	33.15	-	-	74	-40.85	-	-	0-360	201	V
4	* 4.3	31.94	PK	34	-29.7	0	36.24	-	-	74	-37.76	-	-	0-360	201	V
6	* 10.709	26.83	PK	37.9	-22.2	0	42.53	-	-	74	-31.47	-	-	0-360	100	H
8	* 15.671	25.21	PK	40.4	-20.5	0	45.11	-	-	74	-28.89	-	-	0-360	200	V
2	1.928	33.97	PK	31.8	-34.6	0	31.17	-	-	-	-	68.2	-37.03	0-360	200	H
5	7.81	27.9	PK	35.5	-24.6	0	38.8	-	-	-	-	68.2	-29.4	0-360	200	H
7	9.786	26.54	PK	36.9	-22.8	0	40.64	-	-	-	-	68.2	-27.56	0-360	200	V

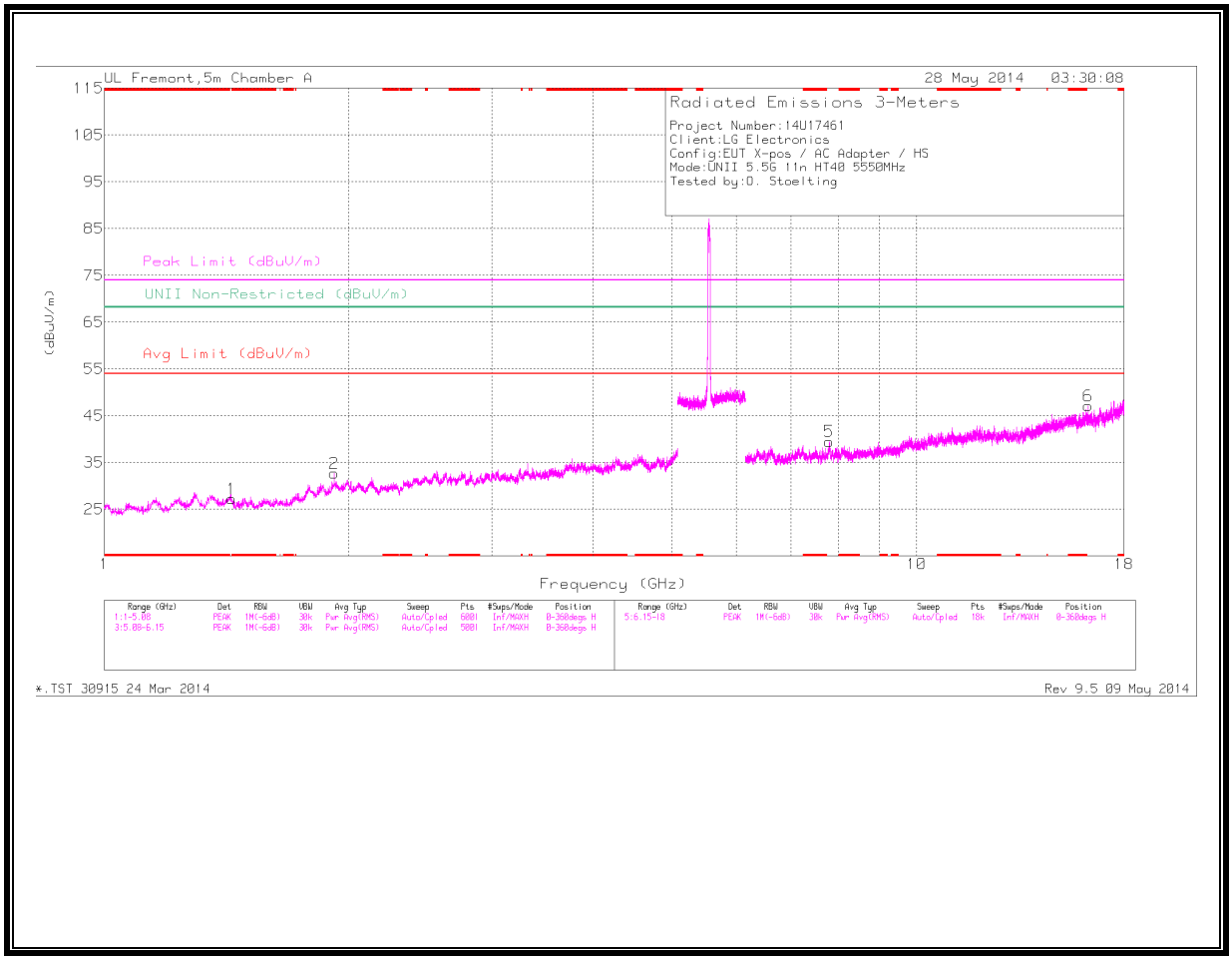
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.301	39.78	PK1	34	-29.8	0	43.98	-	-	74	-30.02	-	-	359	202	V
* 4.302	28.4	AD1	34	-29.8	.5	33.1	54	-20.9	-	-	-	-	359	202	V

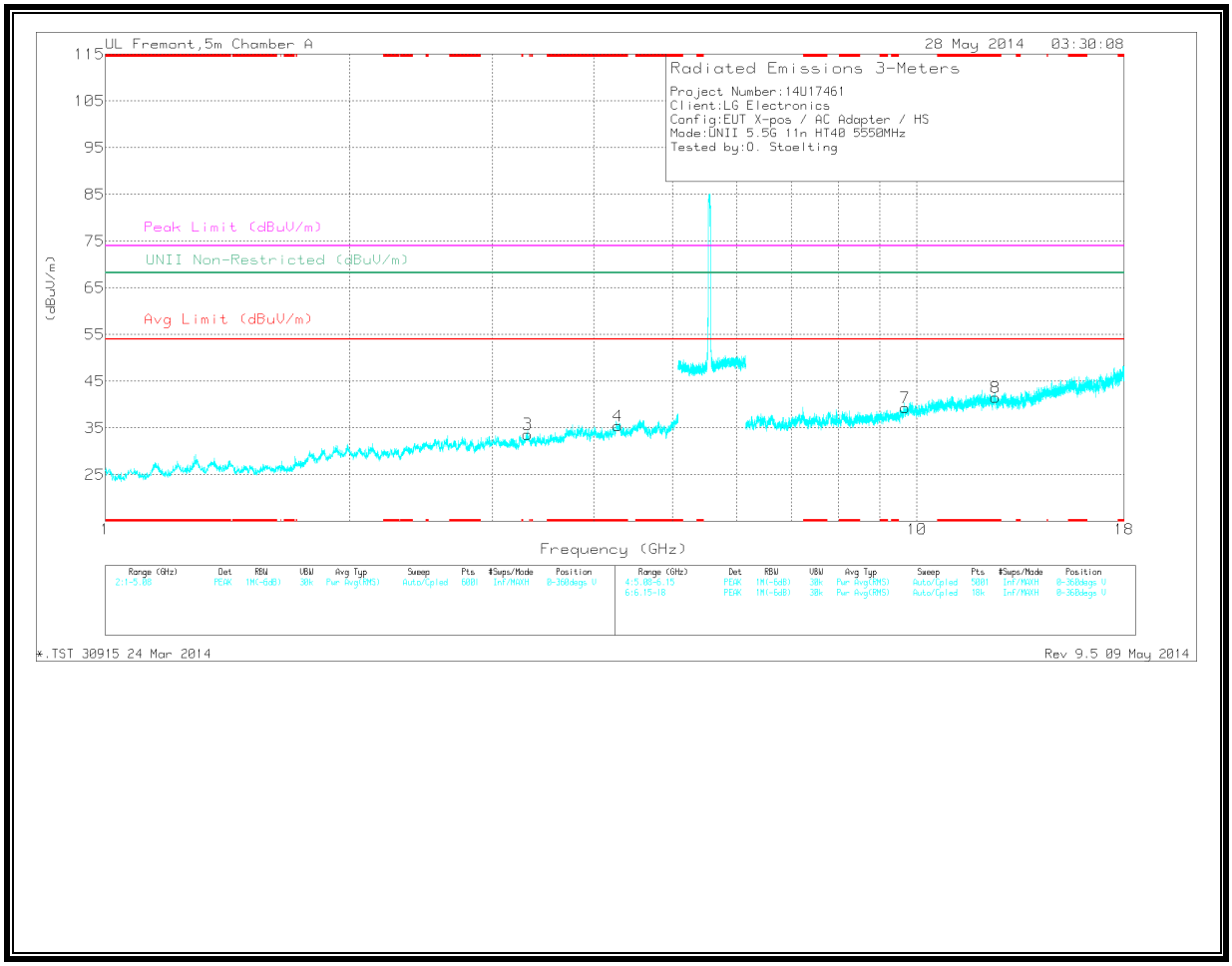
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 4.28	30.15	PK	34	-28.7	0	35.45	-	-	74	-38.55	-	-	0-360	100	V
8	* 12.488	25.35	PK	38.9	-22.7	0	41.55	-	-	74	-32.45	-	-	0-360	200	V
1	1.434	33.79	PK	29.4	-35.9	0	27.29	-	-	-	-	68.2	-40.91	0-360	100	H
2	1.919	35.47	PK	31.7	-34.5	0	32.67	-	-	-	-	68.2	-35.53	0-360	200	H
3	3.317	31.89	PK	32.9	-31.1	0	33.69	-	-	-	-	68.2	-34.51	0-360	200	V
5	7.804	28.93	PK	35.5	-24.9	0	39.53	-	-	-	-	68.2	-28.67	0-360	100	H
7	9.676	27.12	PK	36.8	-24.6	0	39.32	-	-	-	-	68.2	-28.88	0-360	100	V
6	16.256	26.58	PK	40.6	-20	0	47.18	-	-	-	-	68.2	-21.02	0-360	200	H

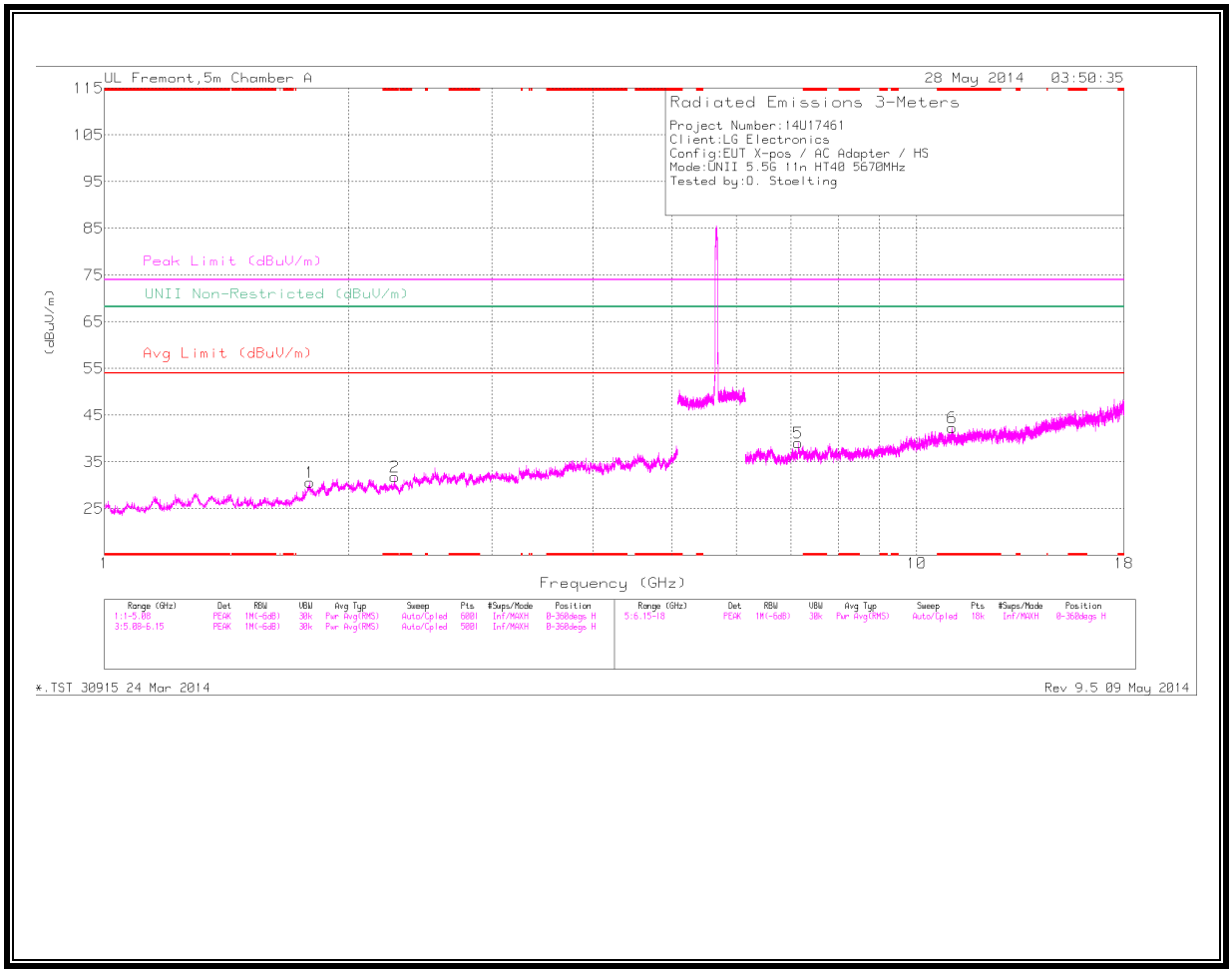
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.919	42.24	PK1	31.7	-34.5	0	39.44	-	-	-	-	68.2	-28.76	359	201	H
1.919	30.81	AD1	31.7	-34.5	.5	28.51	-	-	-	-	-	-	359	201	H

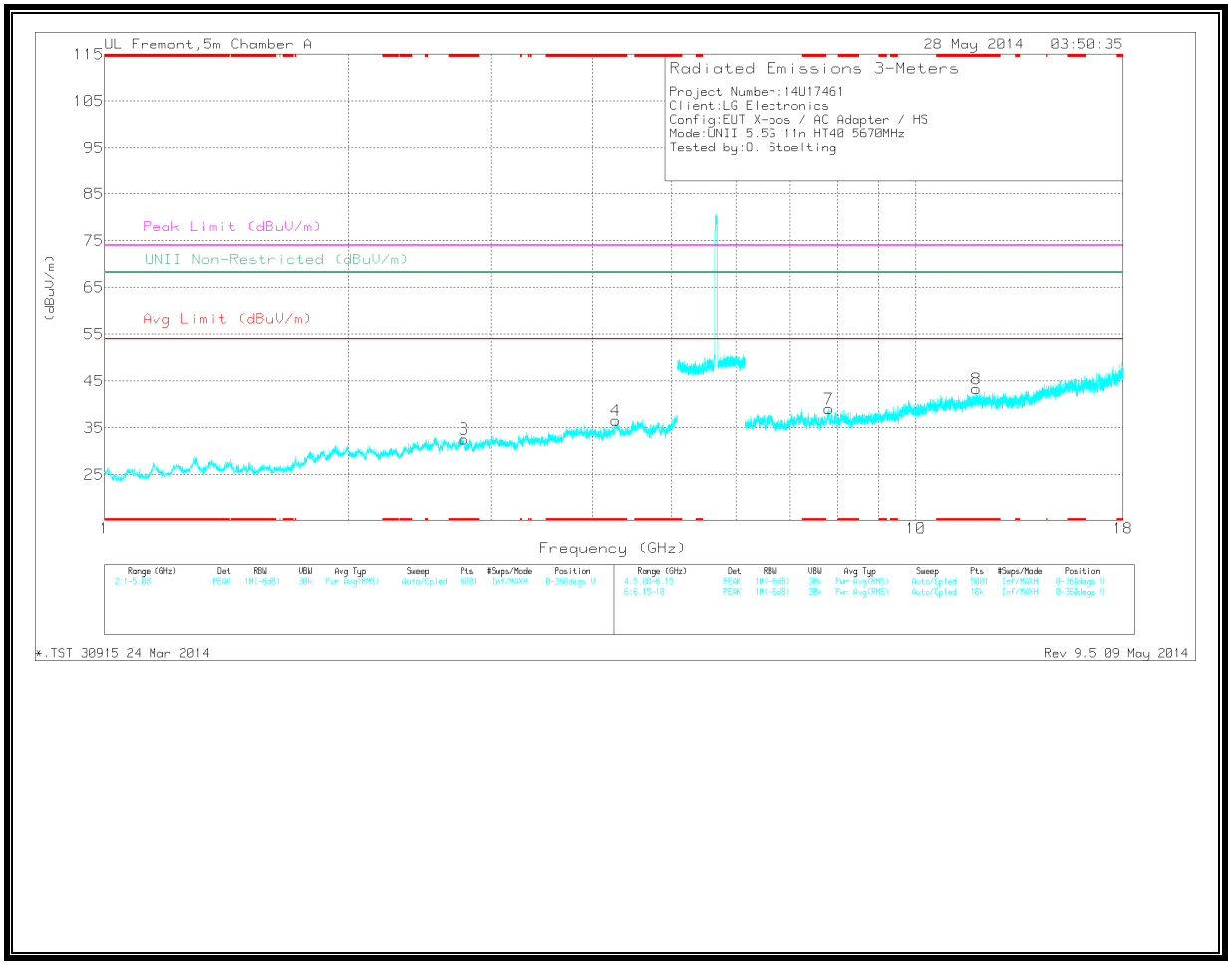
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.279	34.25	PK	31.4	-33.9	0	31.75	-	-	74	-42.25	-	-	0-360	100	H
3	* 2.775	32.45	PK	32.7	-32.5	0	32.65	-	-	74	-41.35	-	-	0-360	100	V
4	* 4.265	30.82	PK	34	-28.2	0	36.62	-	-	74	-37.38	-	-	0-360	201	V
6	* 11.054	26.29	PK	37.7	-21.7	0	42.29	-	-	74	-31.71	-	-	0-360	100	H
8	* 11.875	26.81	PK	38.8	-22.2	0	43.41	-	-	74	-30.59	-	-	0-360	100	V
1	1.79	34.5	PK	30.4	-34.3	0	30.6	-	-	-	-	68.2	-37.6	0-360	100	H
5	7.143	30.46	PK	35.3	-26.7	0	39.06	-	-	-	-	68.2	-29.14	0-360	100	H
7	7.814	28.02	PK	35.5	-24.5	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

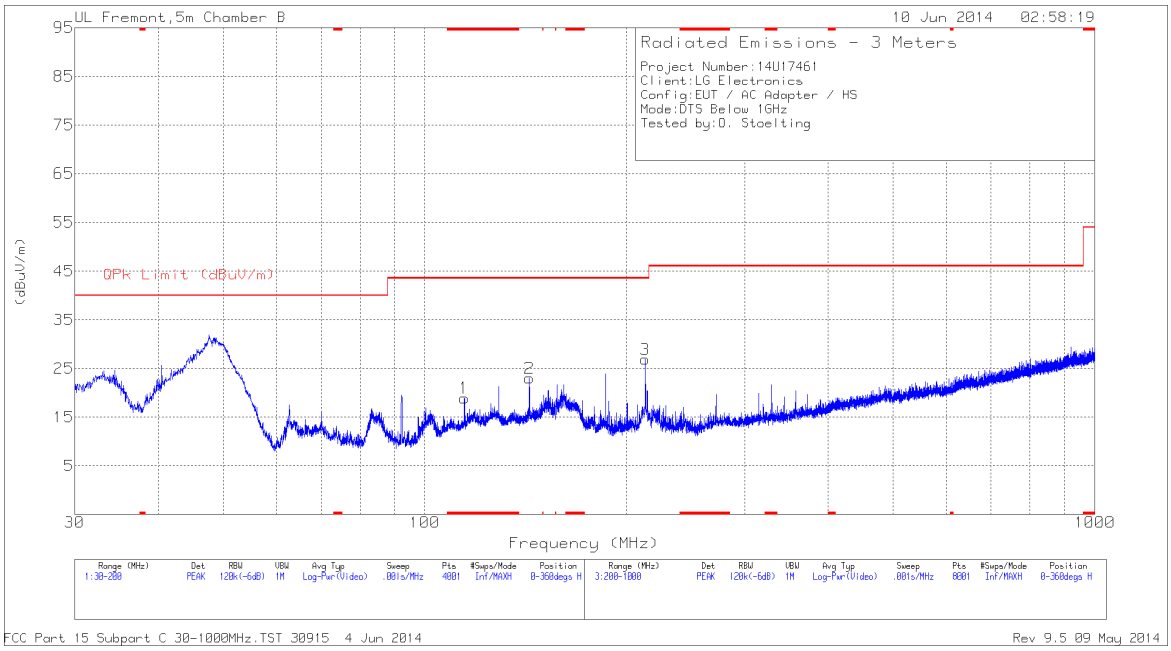
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.264	38.06	PK1	34	-28.2	0	43.86	-	-	74	-30.14	-	-	359	202	V
* 4.266	27.37	AD1	34	-28.3	.5	33.57	54	-20.43	-	-	-	-	359	202	V

* - 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)

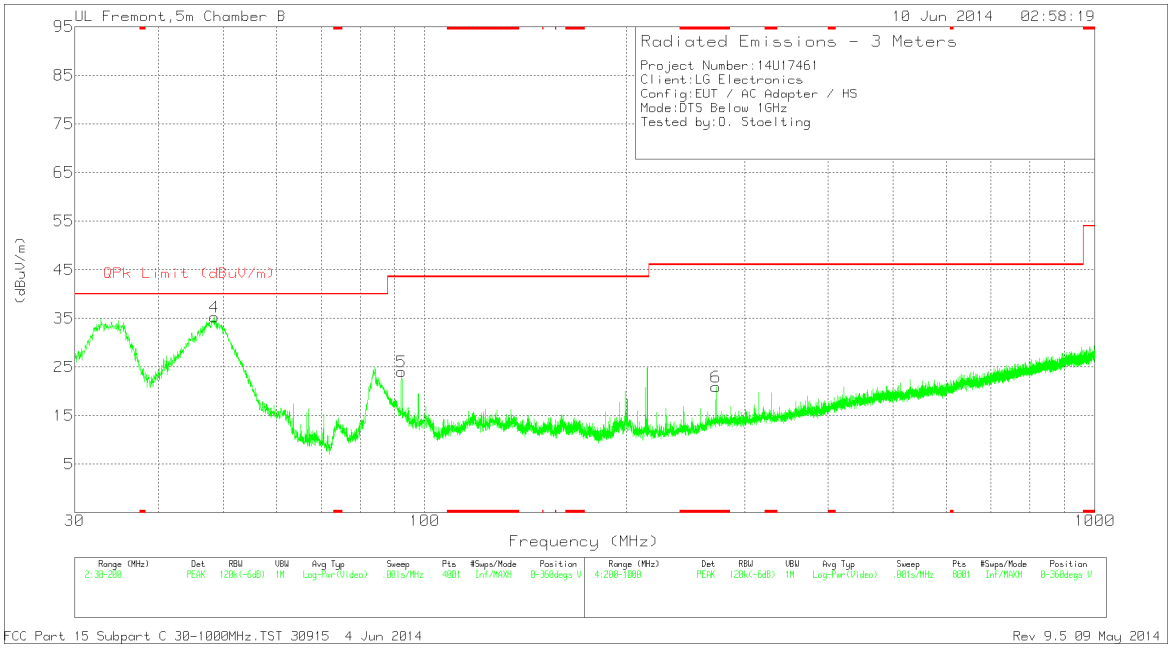
SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)

HORIZONTAL PLOT



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

VERTICAL PLOT



Worst Case Data
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T243 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 114.5325	33.45	PK	13.4	-27.9	18.95	43.52	-24.57	0-360	300	H
6	* 272	33.81	PK	13.3	-26.2	20.91	46.02	-25.11	0-360	101	V
4	48.4875	55.14	PK	8.6	-28.5	35.24	40	-4.76	0-360	101	V
5	92.305	43.93	PK	8.2	-28.1	24.03	43.52	-19.49	0-360	101	V
2	143.22	37.84	PK	12.7	-27.5	23.04	43.52	-20.48	0-360	200	H
3	213.3	43.2	PK	10.5	-26.8	26.9	43.52	-16.62	0-360	101	H

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