FCC CFR47 PART 15 SUBPART C

C2PC CERTIFICATION TEST REPORT

FOR

CDMA/LTE PHABLET + BLUETOOTH, & DTS/UNII a/b/g/n

MODEL NUMBER: LG-LS770, LS770, LGLS770

FCC ID: ZNFLS770

REPORT NUMBER: 15I20150-E4

ISSUE DATE: MARCH 18, 2015

Prepared for
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NVLAP LAB CODE 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
--	03/18/15	Initial Issue	D. Coronia

TABLE OF CONTENTS

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
MODEL:	LG-LS770, LS770, LGLS770
SERIAL NUMBER:	808D2EDE – RADIATED and 80958E37, 80CF45CO – CONDUCTED
DATE TESTED:	MARCH 5-16, 2015

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

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

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

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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, RSS-GEN Issue 3, and RSS-210 Issue 8.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, Fremont, California, USA. Line conducted emissions are measured only at the 47173 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

47173 Benicia Street	47266 Benicia Street
☒ Chamber A(IC: 2324B-1)	☐ Chamber D(IC: 2324B-4)
☐ Chamber B(IC: 2324B-2)	☐ Chamber E(IC: 2324B-5)
☒ Chamber C(IC: 2324B-3)	☐ Chamber F(IC: 2324B-6)
	☒ Chamber G(IC: 2324B-7)
	☐ Chamber H(IC: 2324B-8)

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at http://ts.nist.gov/standards/scopes/2000650.htm

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

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

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

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

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

4.3. MEASUREMENT UNCERTAINTY

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

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

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

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a CDMA/LTE PHABLET + BLUETOOTH, & DTS/UNII a/b/g/n

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum conducted output power as follows:

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
2412 - 2462	802.11b	15.2	33.11
2412 - 2462	802.11g	14.0	25.12
2412 - 2462	802.11n HT20	14.0	25.12

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an FPCB antenna, with a maximum gain of -3.84dBi.

5.4. WORST-CASE CONFIGURATION AND MODE

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

The fundamental of the EUT was investigated in three orthogonal orientations X, Y Z it was determined that X orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in X orientation.

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

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

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adapter	LG	MCS-02WR	RA4Y1031433	N/A
Earphone	LG	N/A	N/A	N/A

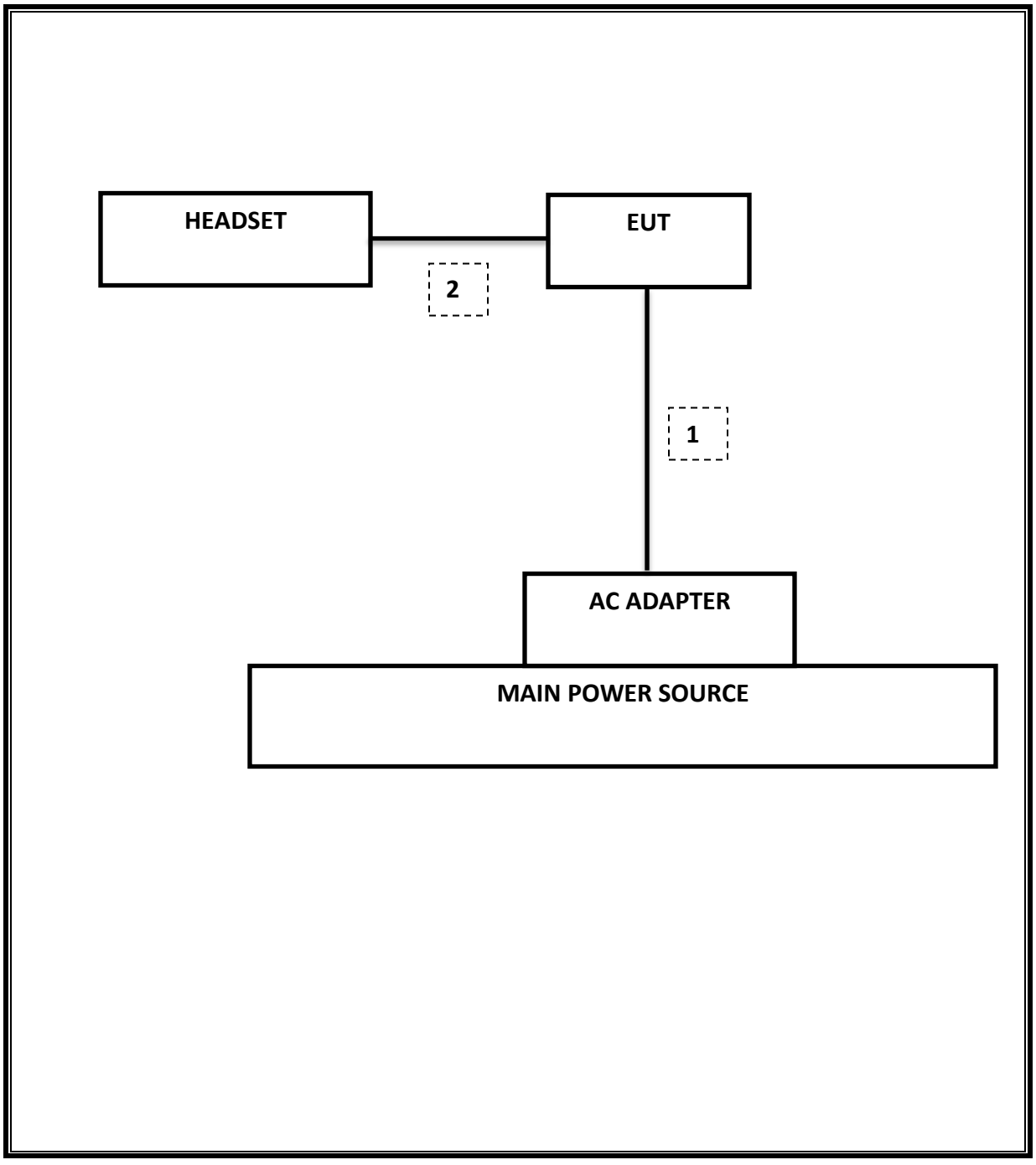
I/O CABLES

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC Power	1	Mini-USB	Shielded	1.2m	N/A
2	Audio	1	Mini-Jack	Unshielded	1m	N/A

TEST SETUP

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

SETUP DIAGRAM FOR TESTS



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment List				
Description	**Manufacturer**	**Model**	**Asset**	**Cal Due**
Spectrum Analyzer, 44 GHz	Agilent / HP	E4446A	C01069	12/20/15
Spectrum Analyzer,9KHz-40GHz	HP	8564E	C00986	04/01/15
EMI Test Receiver, 9 kHz-7 GHz	R & S	ESCI 7	1000741	08/13/15
EMI Test Receiver, 30 MHz	R & S	ESHS 20	N02396	08/18/15
Peak Power Meter	Agilent / HP	E4416A	C00963	12/13/15
Peak / Average Power Sensor	Agilent / HP	E9327A	C00964	12/13/15
Antenna, Horn, 1-18 GHz	ETS	3117	C01022	02/21/15
Antenna, Horn,18- 26 GHz	ARA	MWH-1826/B	C00946	11/12/15
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	08/20/15
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

Test Software List			
Description	**Manufacturer**	**Model**	**Version**
Radiated Software	UL	UL EMC	Version 9.5, 07/22/14
Conducted Software	UL	UL EMC	Version 9.5, 05/17/14
CLT Software	UL	UL RF	Version 1.0, 02/02/15
Antenna Port Software	UL	UL RF	Version 2.1.1.1, 1/20/15

7. MEASUREMENT METHODS

KDB 558074 D01 DTS Meas Guidance v03r02: Measurement Procedure AVGPM-G is used for power and AVGPSD-3 is used for power spectral density.

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

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

8. SUMMARY TABLE

C2PC reason: Please see LG FCC Class II Change Description letter for details.

FCC Part Section	RSS Section(s)	Test Description	Test Limit	Test Condition	Test Result	Worst Case
15.247 (a)(2)	RSS-210 A8.2(a)	Occupied Band width (6dB)	>500KHz	Conducted	Pass	8.12 MHz
2.1051, 15.247 (d)	RSS-210 A8.5	Band Edge / Conducted Spurious Emission	-20dBc		Pass	-34.5 dBm
15.247	RSS-210 A8.4	TX conducted output power	<30dBm		Pass	15.2 dBm
15.247	RSS-210 A8.2	PSD	<8dBm		Pass	-14.17 dBm
15.207 (a)	RSS-GEN 7.2.2	AC Power Line conducted emissions	Section 10	Radiated	Pass	45.1 dBuV (AV)
15.205, 15.209	RSS-210 Clause 2.6, RSS-210 Clause 6	Radiated Spurious Emission	< 54dBuV/m		Pass	49.5 dBuV/m

9. ANTENNA PORT TEST RESULTS

9.1. 6 dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

The minimum 6 dB bandwidth shall be at least 500 kHz.

TEST PROCEDURE

Reference to KDB 558074 D01 DTS Meas Guidance v03r02: The transmitter output is connected to a spectrum analyzer with the RBW set to100KHz, the VBW >= 3 x RBW, peak detector and max hold.

RESULTS

9.1.1. 802.11b MODE IN THE 2.4 GHz BAND

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	2412	8.57	0.5
Mid	2437	8.12	0.5
High	2462	9.04	0.5
Worst		8.12	

9.1.2. 802.11g MODE IN THE 2.4 GHz BAND

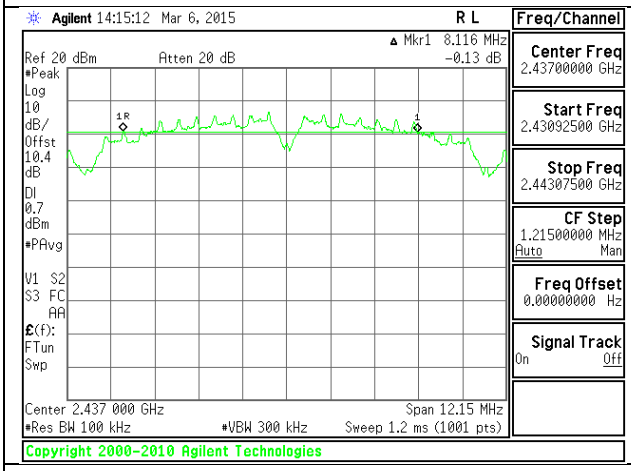
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	2412	16.38	0.5
Mid	2437	17.63	0.5
High	2462	16.41	0.5
Worst		16.38	

9.1.3. 802.11n HT20 MODE IN THE 2.4 GHz BAND

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	2412	17.61	0.5
Mid	2437	17.66	0.5
High	2462	17.61	0.5
Worst		17.61	

9.1.4. 6 dB BANDWIDTH MID CH PLOTS

11b



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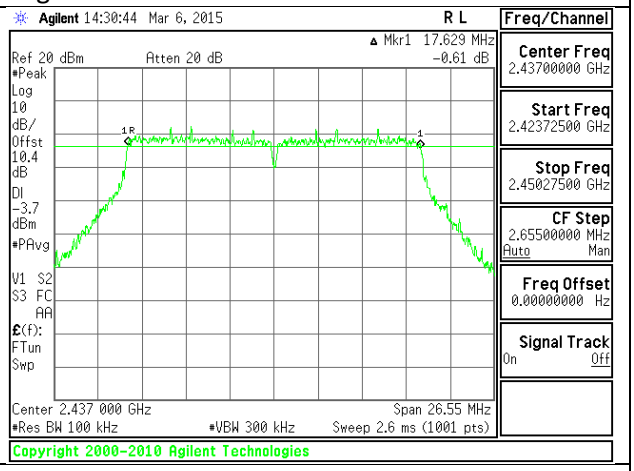

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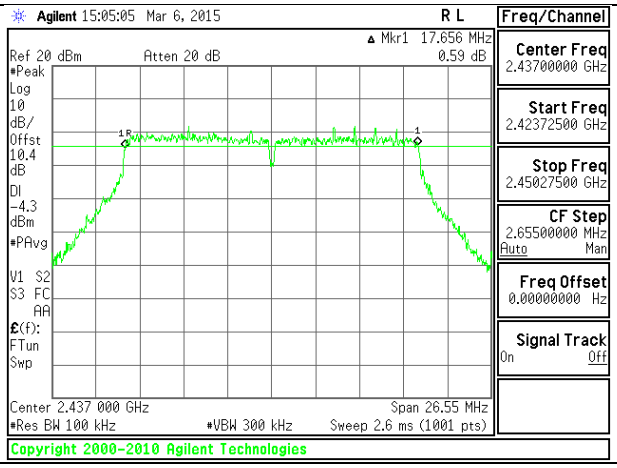


9.2. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

9.2.1. 802.11b MODE IN THE 2.4 GHz BAND

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	2412	13.09
Mid	2437	13.17
High	2462	13.00
Worst		13.17

9.2.2. 802.11g MODE IN THE 2.4 GHz BAND

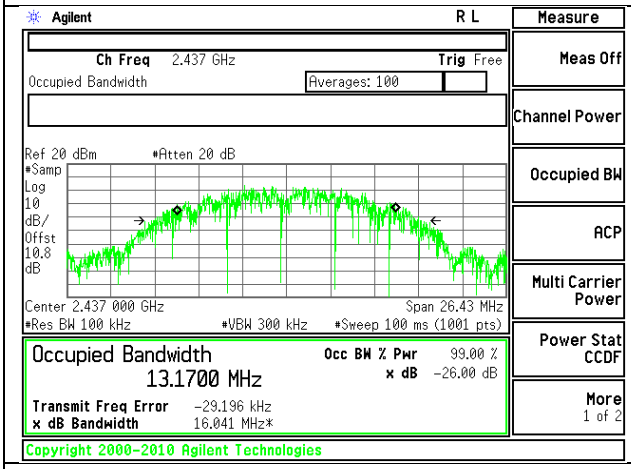
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	2412	17.62
Mid	2437	17.64
High	2462	17.61
Worst		17.64

9.2.3. 802.11n HT20 MODE IN THE 2.4 GHz BAND

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	2412	17.62
Mid	2437	17.63
High	2462	17.60
Worst		17.63

9.2.4. 99% BANDWIDTH MID CH PLOTS

11b



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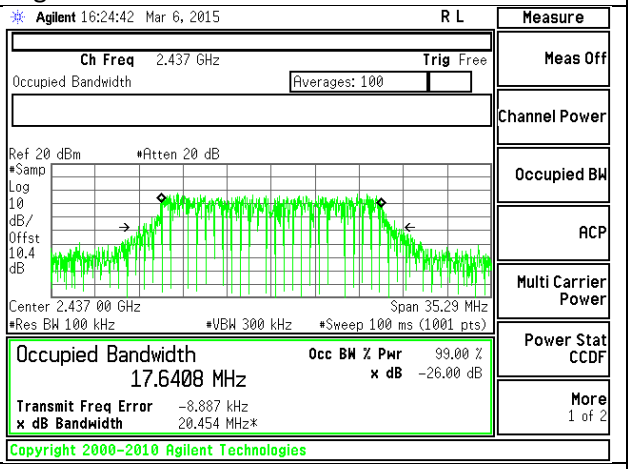

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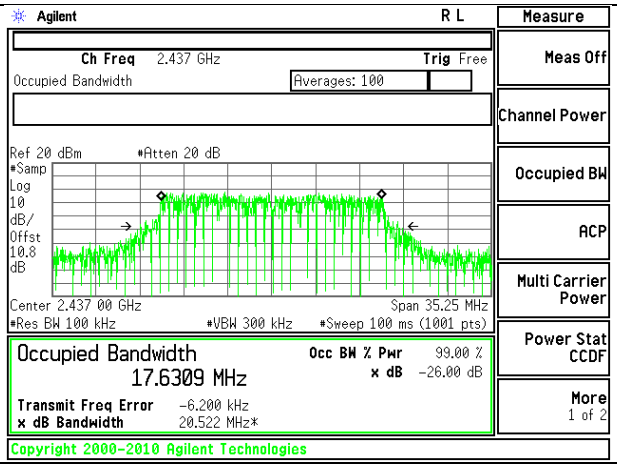

9.3. OUTPUT POWER

LIMITS

FCC §15.247

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt, based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

9.3.1. 802.11b MODE IN THE 2.4 GHz BAND

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	2412	-3.84	30.00	30	36	30.00
Mid	2437	-3.84	30.00	30	36	30.00
High	2462	-3.84	30.00	30	36	30.00

Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	2412	15.2	15.20	30.00	-14.80
Mid	2437	15.2	15.20	30.00	-14.80
High	2462	15.2	15.20	30.00	-14.80
Worst			15.20		

9.3.2. 802.11g MODE IN THE 2.4 GHz BAND

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	2412	-3.84	30.00	30	36	30.00
Mid	2437	-3.84	30.00	30	36	30.00
High	2462	-3.84	30.00	30	36	30.00

Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	2412	13.60	13.60	30.00	-16.40
Mid	2437	13.70	13.70	30.00	-16.30
High	2462	14.00	14.00	30.00	-16.00
Worst			14.00		

9.3.3. 802.11n HT20 MODE IN THE 2.4 GHz BAND

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	2412	-3.84	30.00	30	36	30.00
Mid	2437	-3.84	30.00	30	36	30.00
High	2462	-3.84	30.00	30	36	30.00

Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	2412	13.80	13.80	30.00	-16.20
Mid	2437	13.70	13.70	30.00	-16.30
High	2462	14.00	14.00	30.00	-16.00
Worst			14.00		

9.4. PSD

LIMITS

FCC §15.247

The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

RESULTS

9.4.1. 802.11b MODE IN THE 2.4 GHz BAND

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Limit (dBm)	Margin (dB)
Low	2412	-14.43	8.0	-22.4
Mid	2437	-14.17	8.0	-22.2
High	2462	-14.40	8.0	-22.4

9.4.2. 802.11g MODE IN THE 2.4 GHz BAND

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Limit (dBm)	Margin (dB)
Low	2412	-19.55	8.0	-27.6
Mid	2437	-19.75	8.0	-27.8
High	2462	-19.09	8.0	-27.1

9.4.3. 802.11n HT20 MODE IN THE 2.4 GHz BAND

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Limit (dBm)	Margin (dB)
Low	2412	-20.06	8.0	-28.1
Mid	2437	-20.30	8.0	-28.3
High	2462	-19.49	8.0	-27.5

9.4.4. PSD Chain 0 MID CH PLOTS

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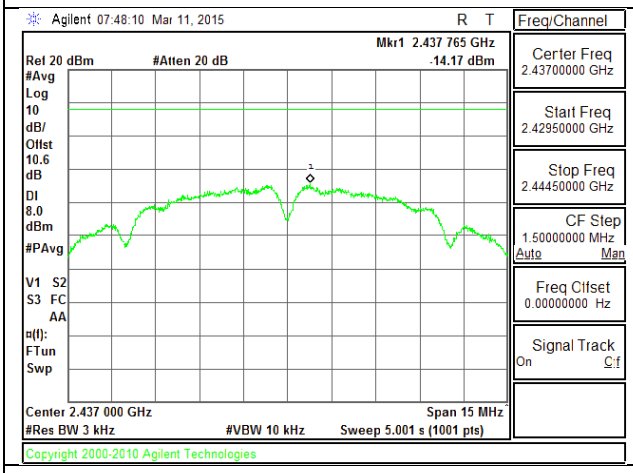

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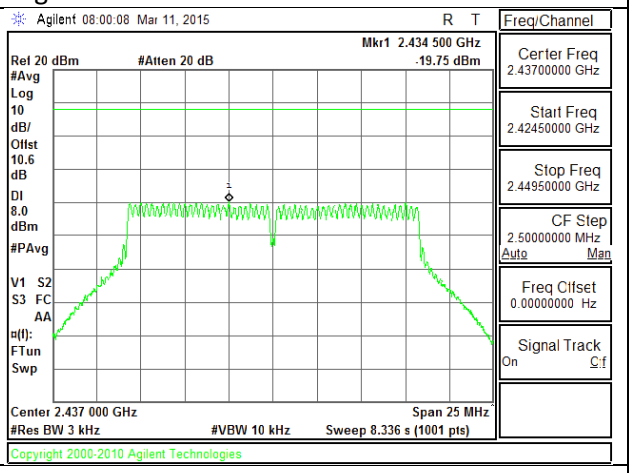

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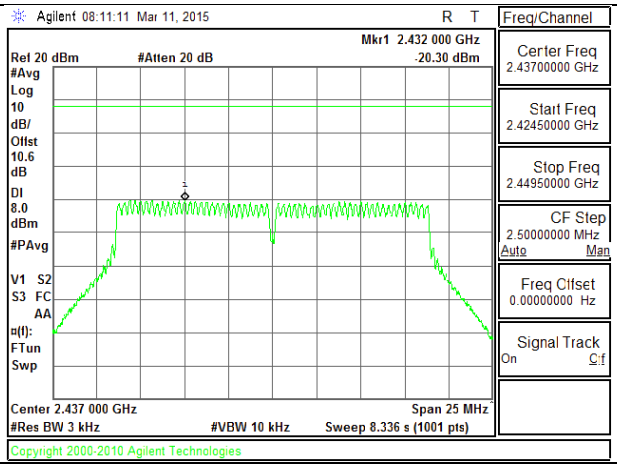


9.5. OUT-OF-BAND EMISSIONS

LIMITS

FCC §15.247 (d)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

TEST PROCEDURE

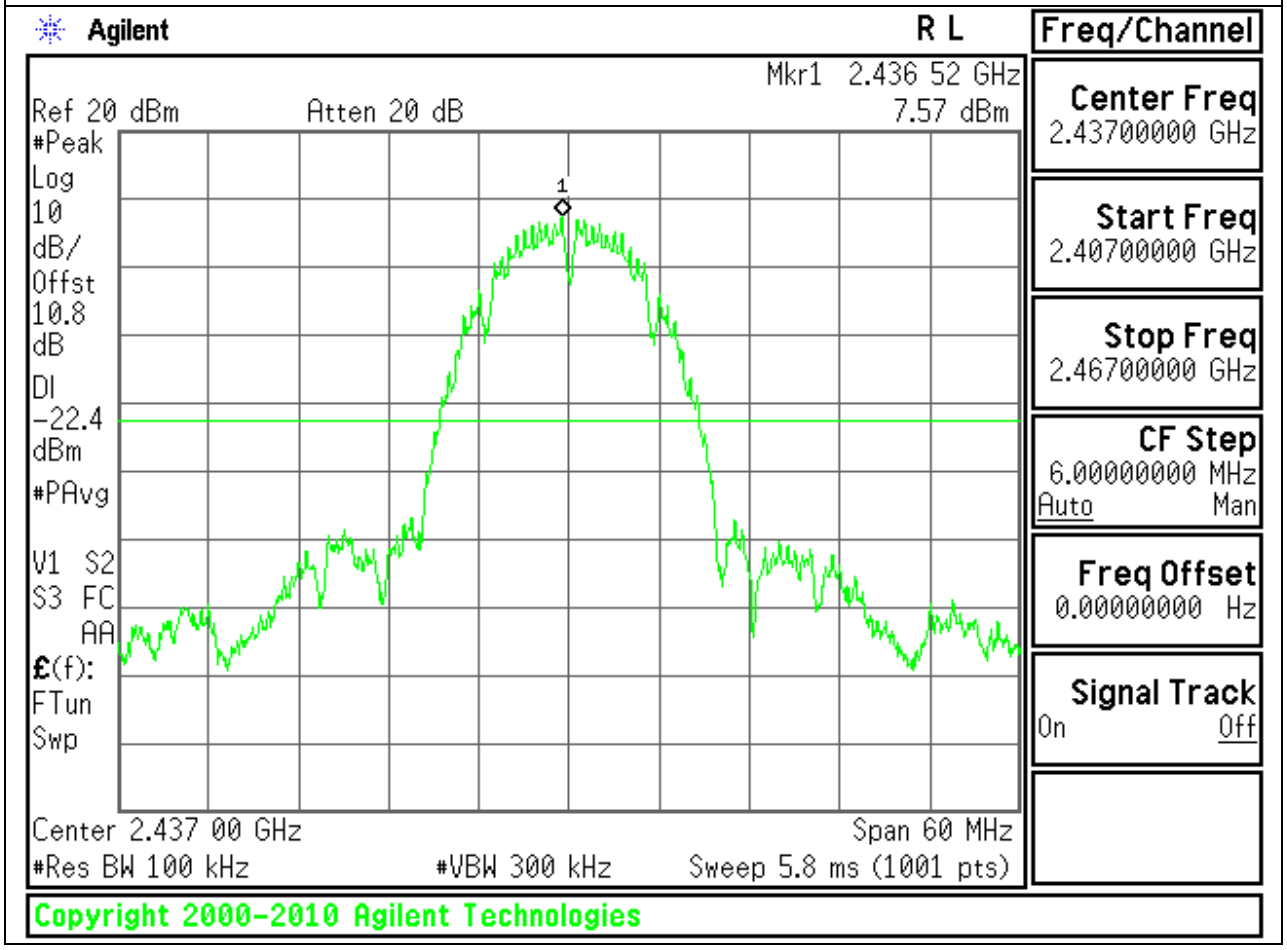
The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions.

RESULTS

9.5.1. 802.11b MODE IN THE 2.4 GHz BAND

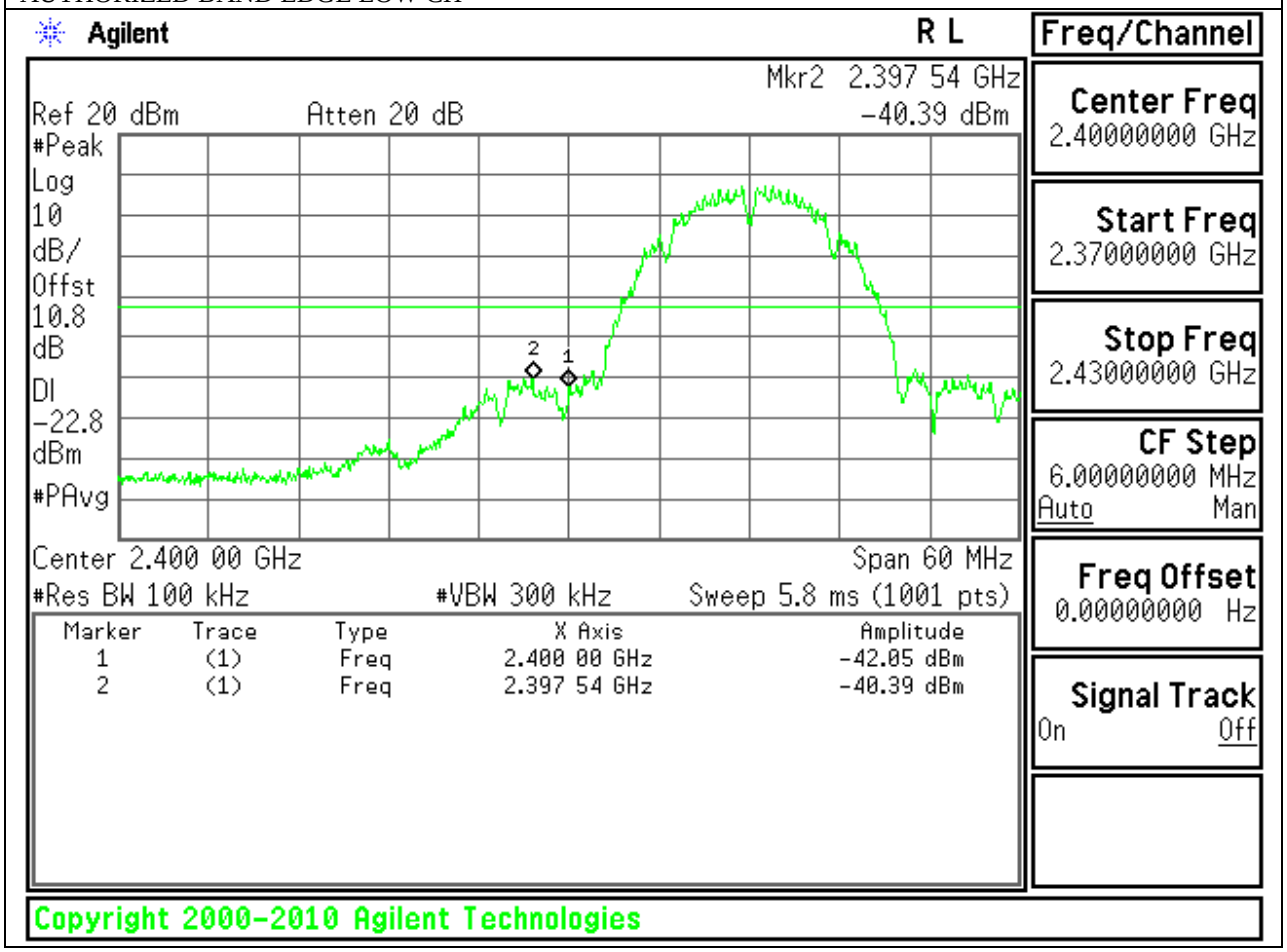
IN-BAND REFERENCE LEVEL

REFERENCE LEVEL MID CH



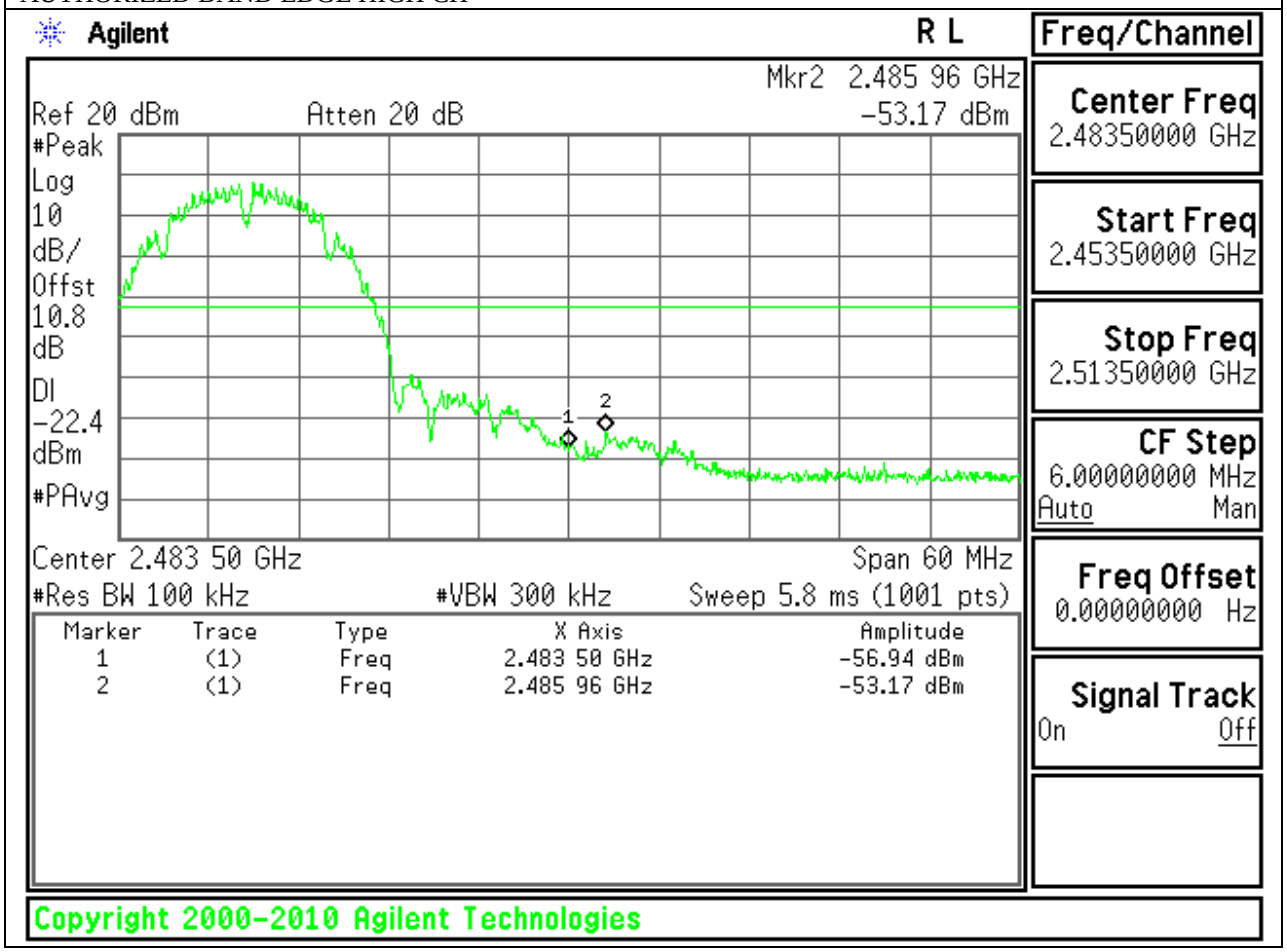
LOW CHANNEL BANDEDGE

AUTHORIZED BAND EDGE LOW CH



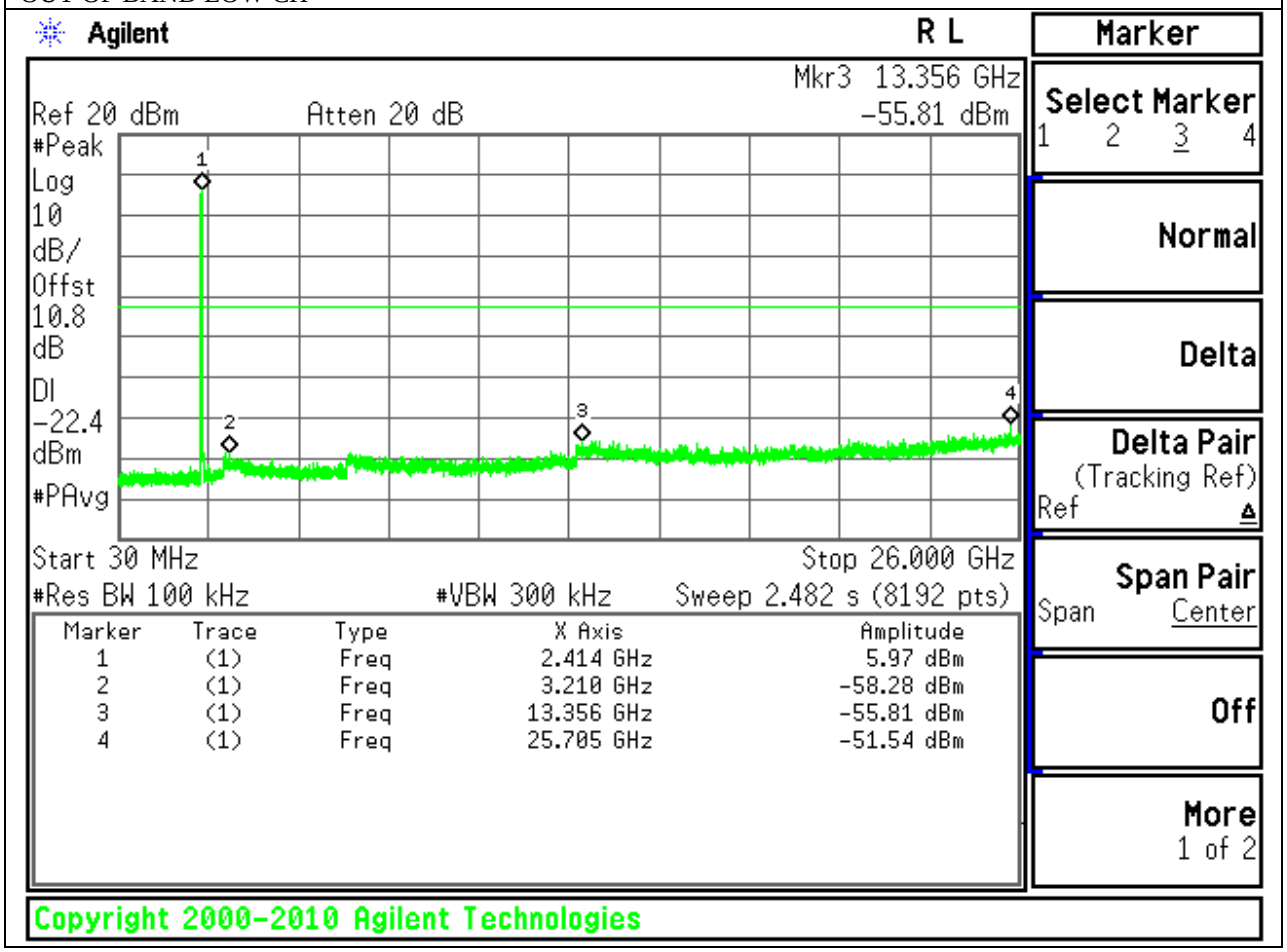
HIGH CHANNEL BANDEDGE

AUTHORIZED BAND EDGE HIGH CH

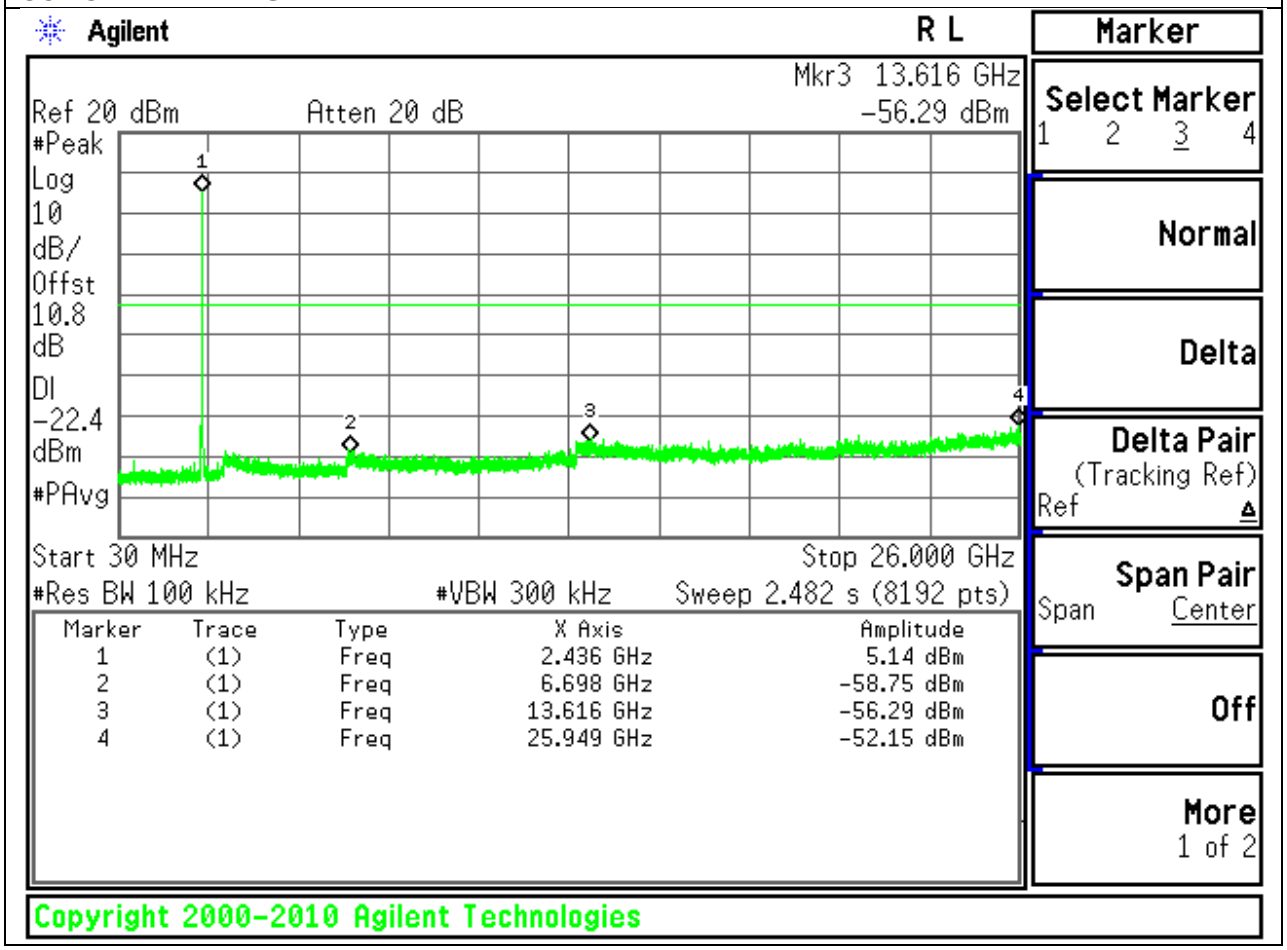


OUT-OF-BAND EMISSIONS

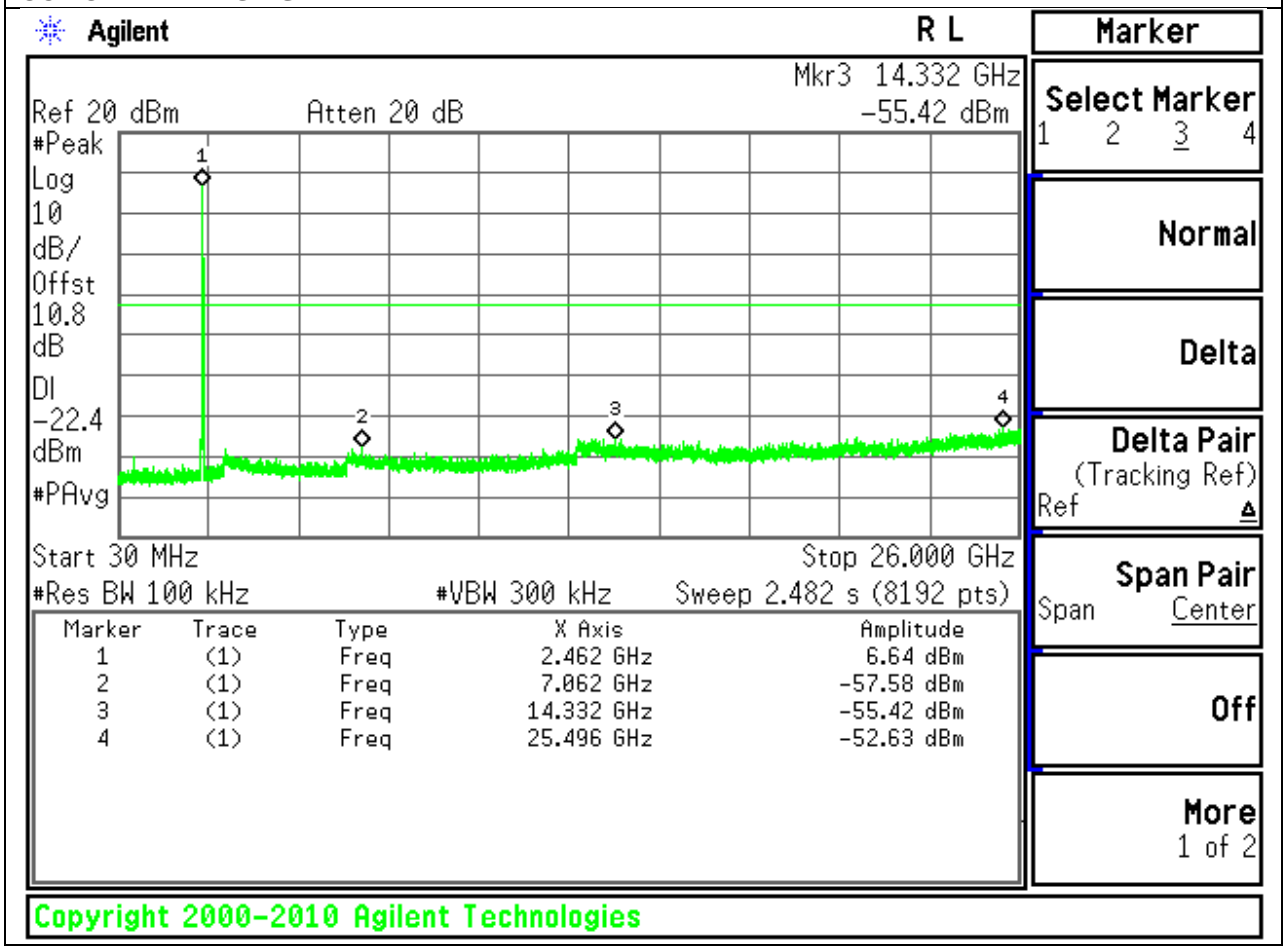
OUT OF BAND LOW CH



OUT OF BAND MID CH



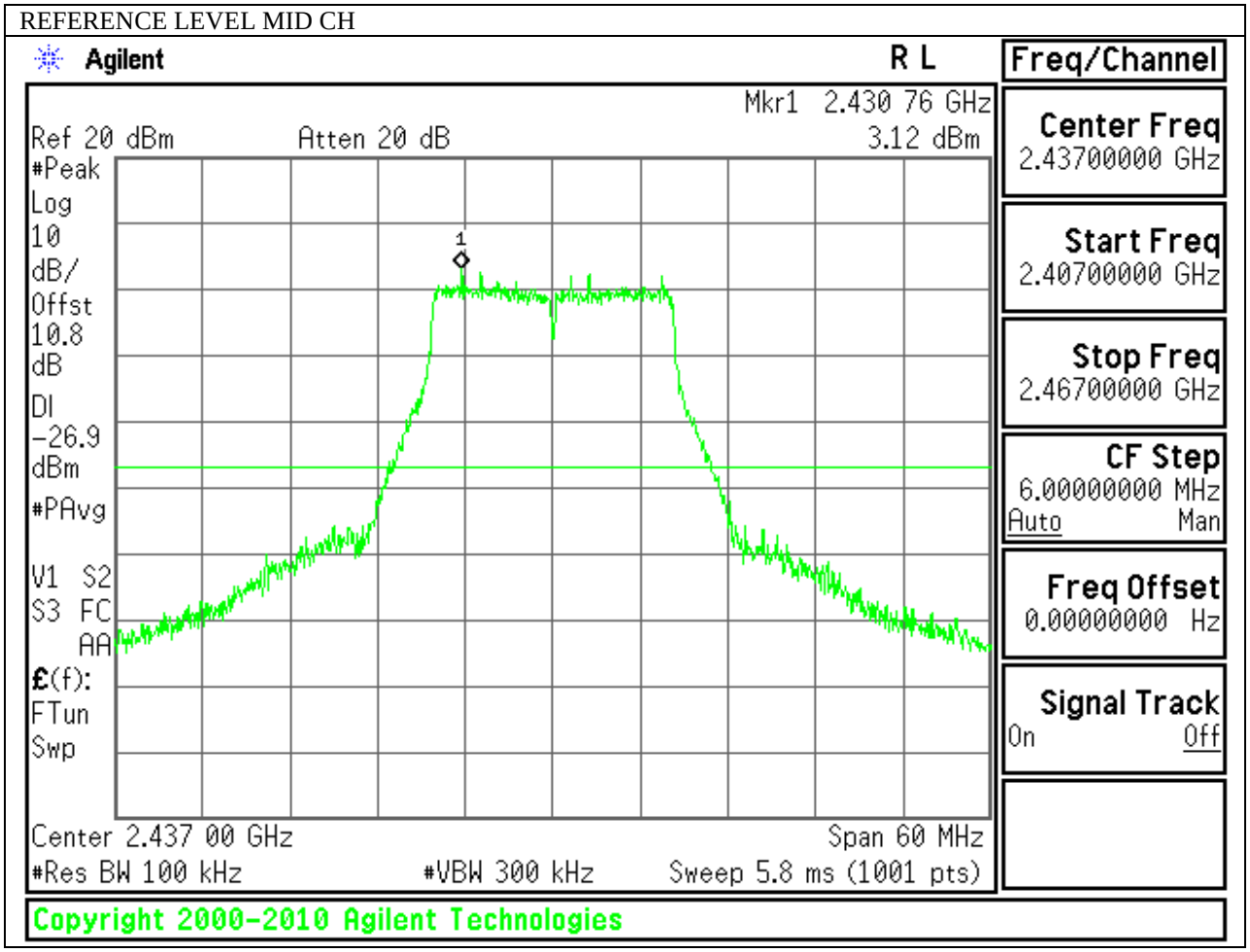
OUT OF BAND HIGH CH



9.5.2. 802.11g MODE IN THE 2.4 GHz BAND

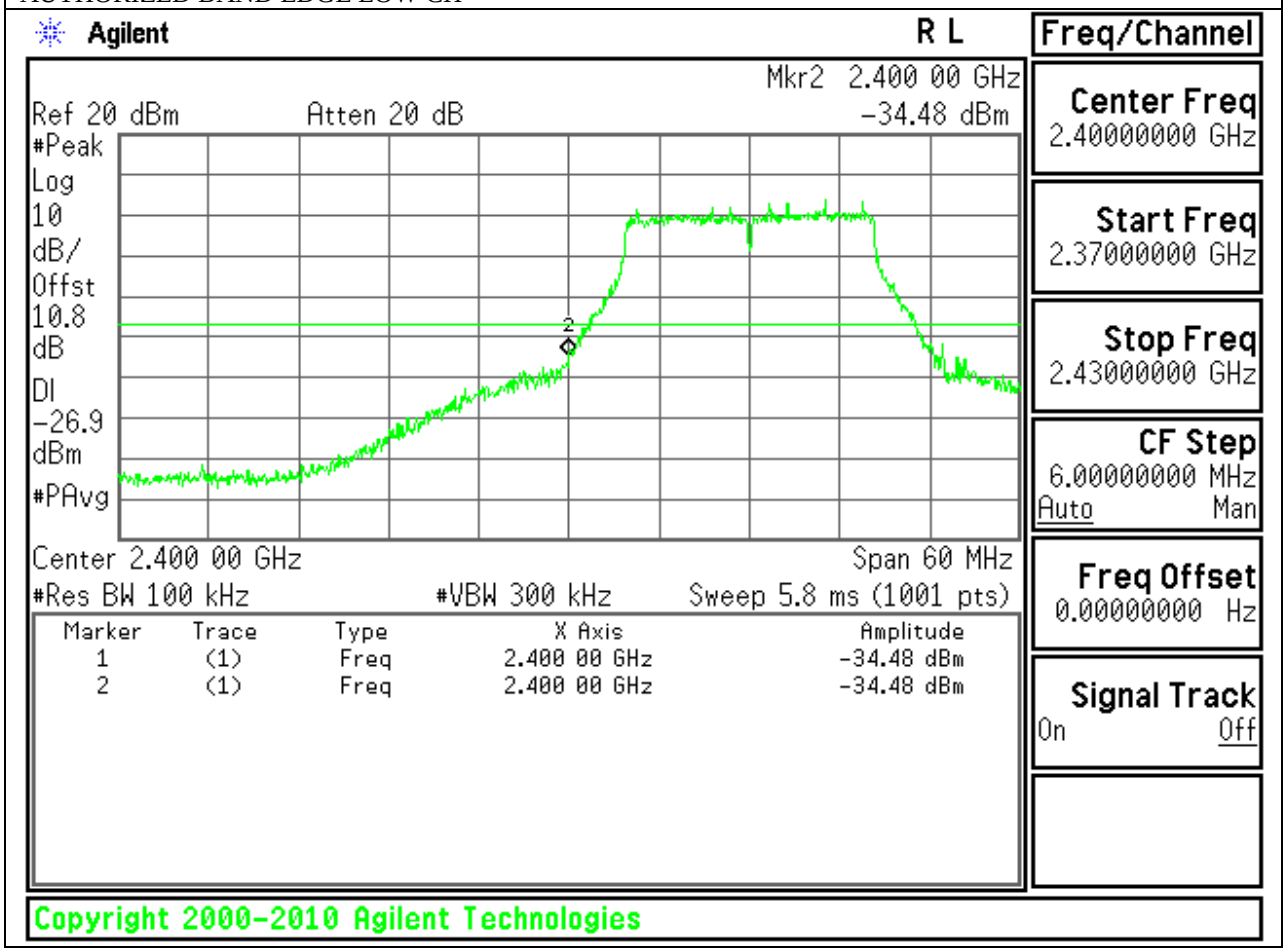
IN-BAND REFERENCE LEVEL

REFERENCE LEVEL MID CH



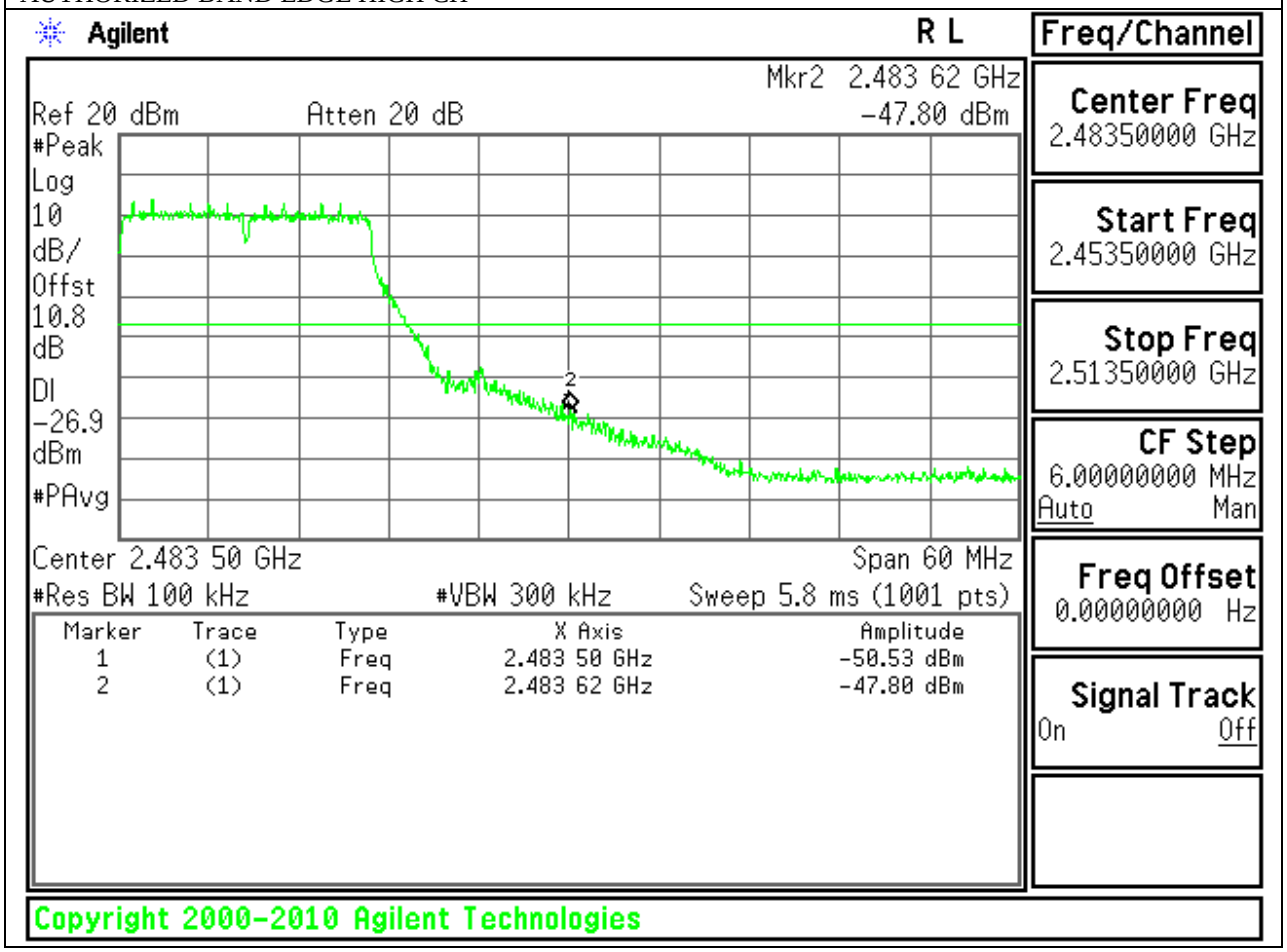
LOW CHANNEL BANDEDGE

AUTHORIZED BAND EDGE LOW CH



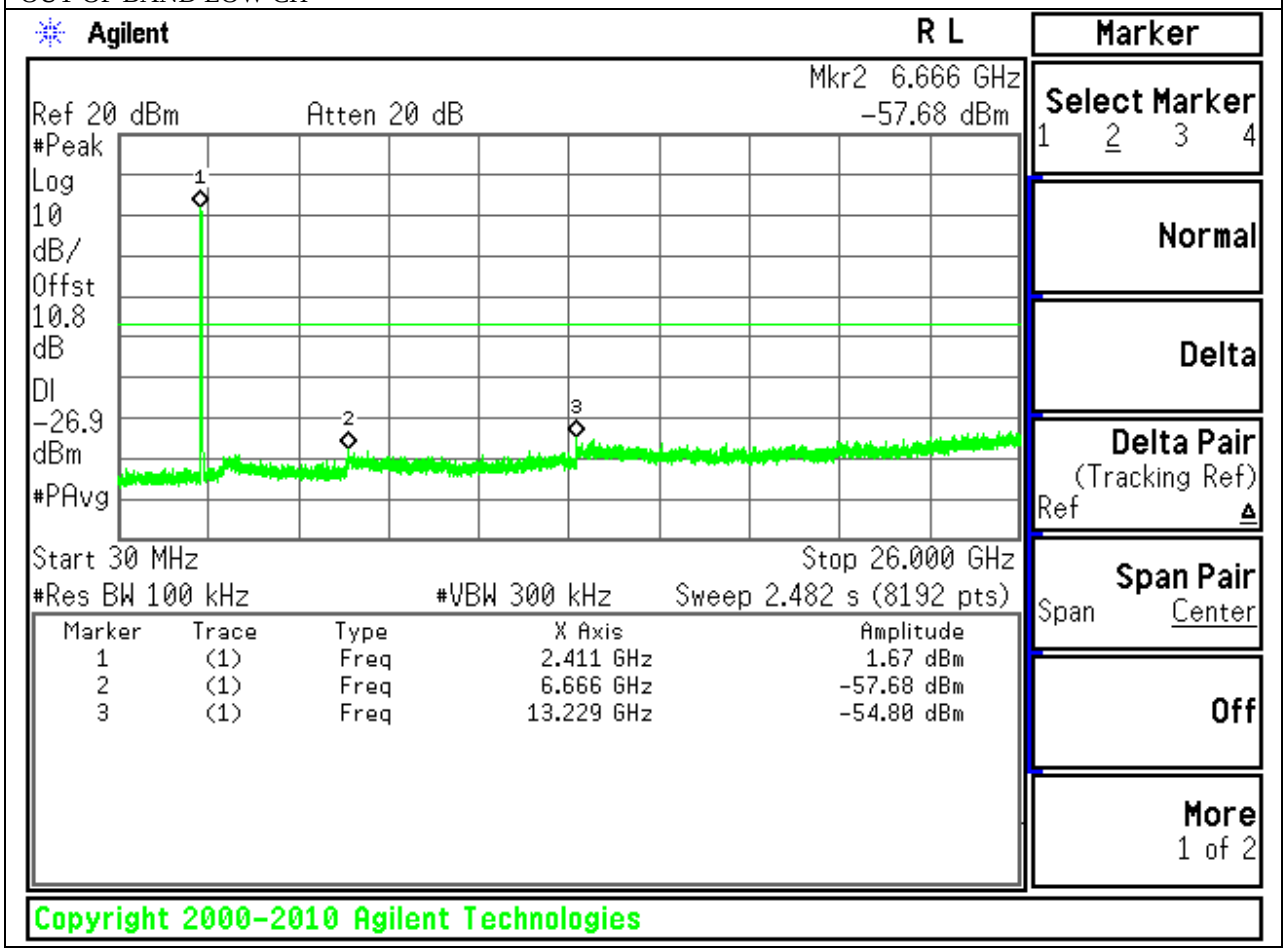
HIGH CHANNEL BANDEDGE

AUTHORIZED BAND EDGE HIGH CH

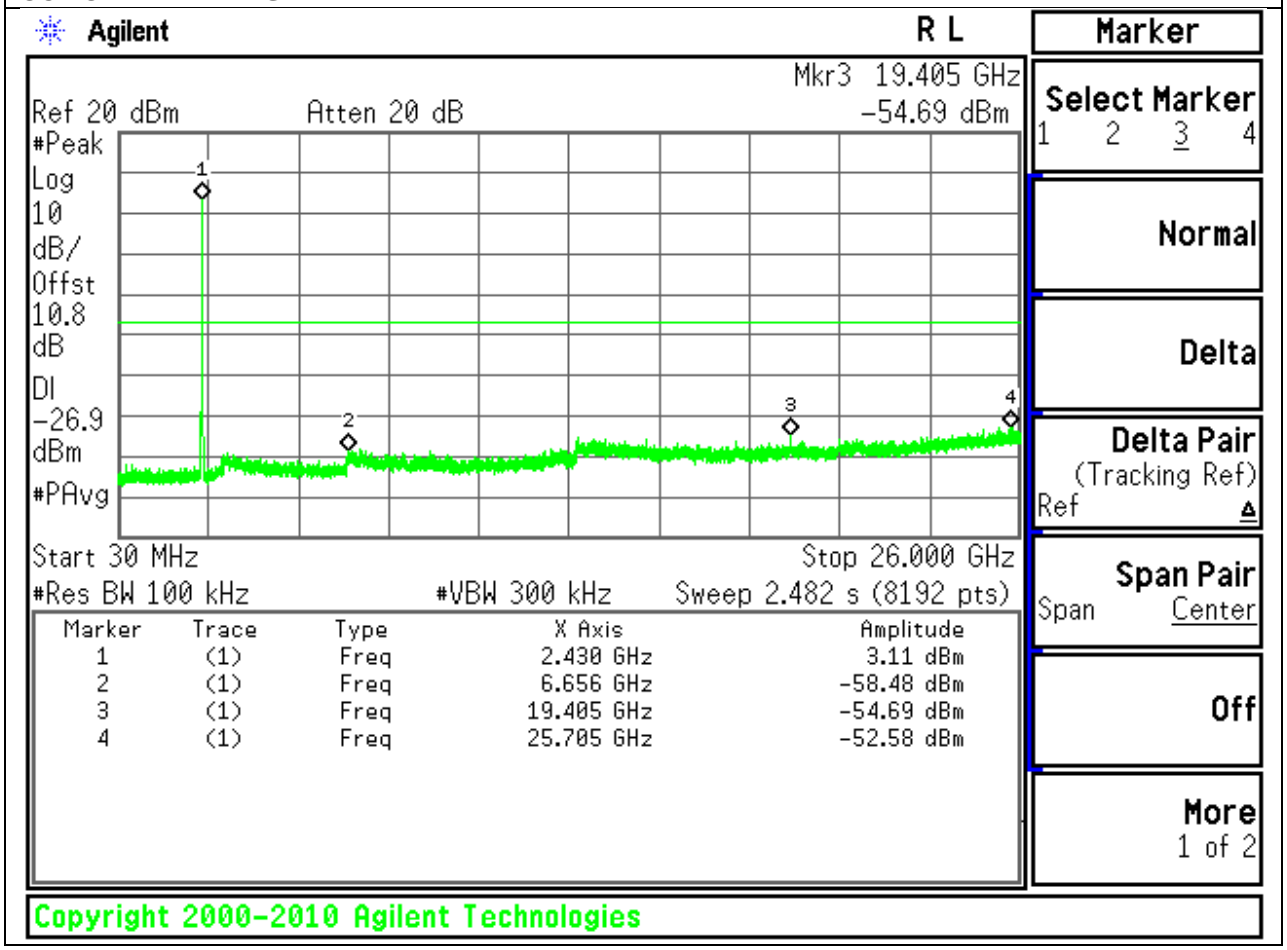


OUT-OF-BAND EMISSIONS

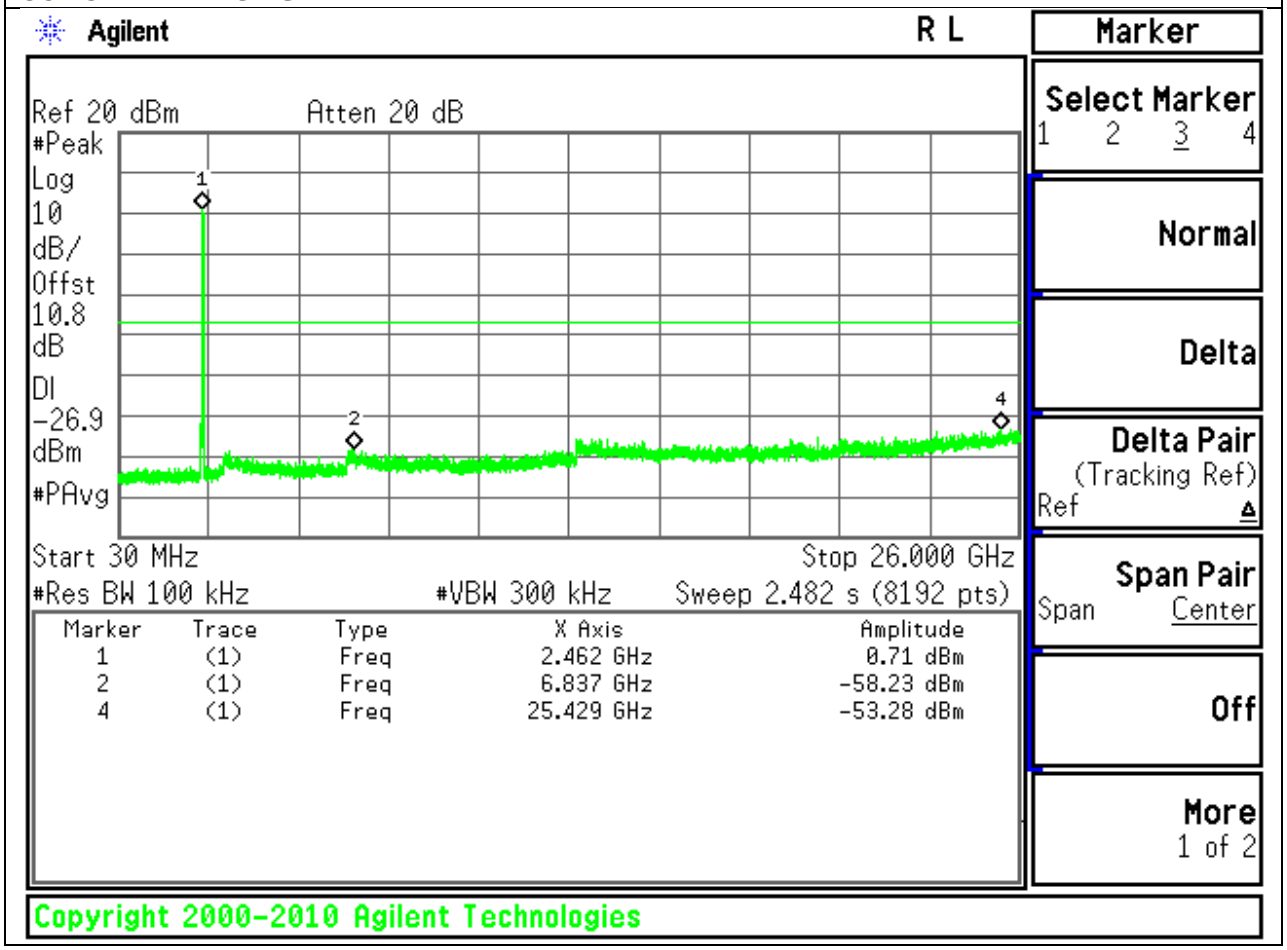
OUT OF BAND LOW CH



OUT OF BAND MID CH



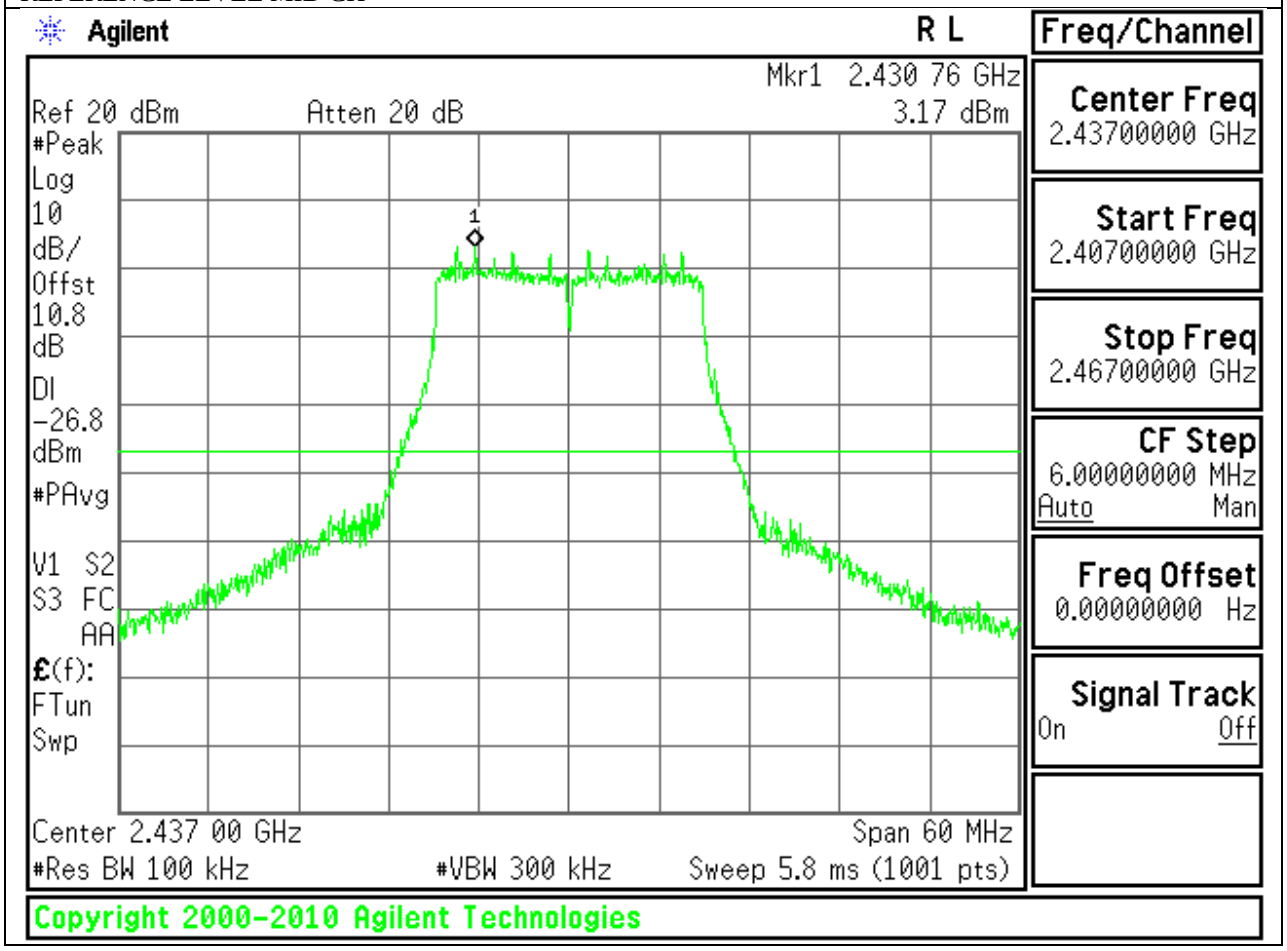
OUT OF BAND HIGH CH



9.5.3. 802.11n HT20 MODE IN THE 2.4 GHz BAND

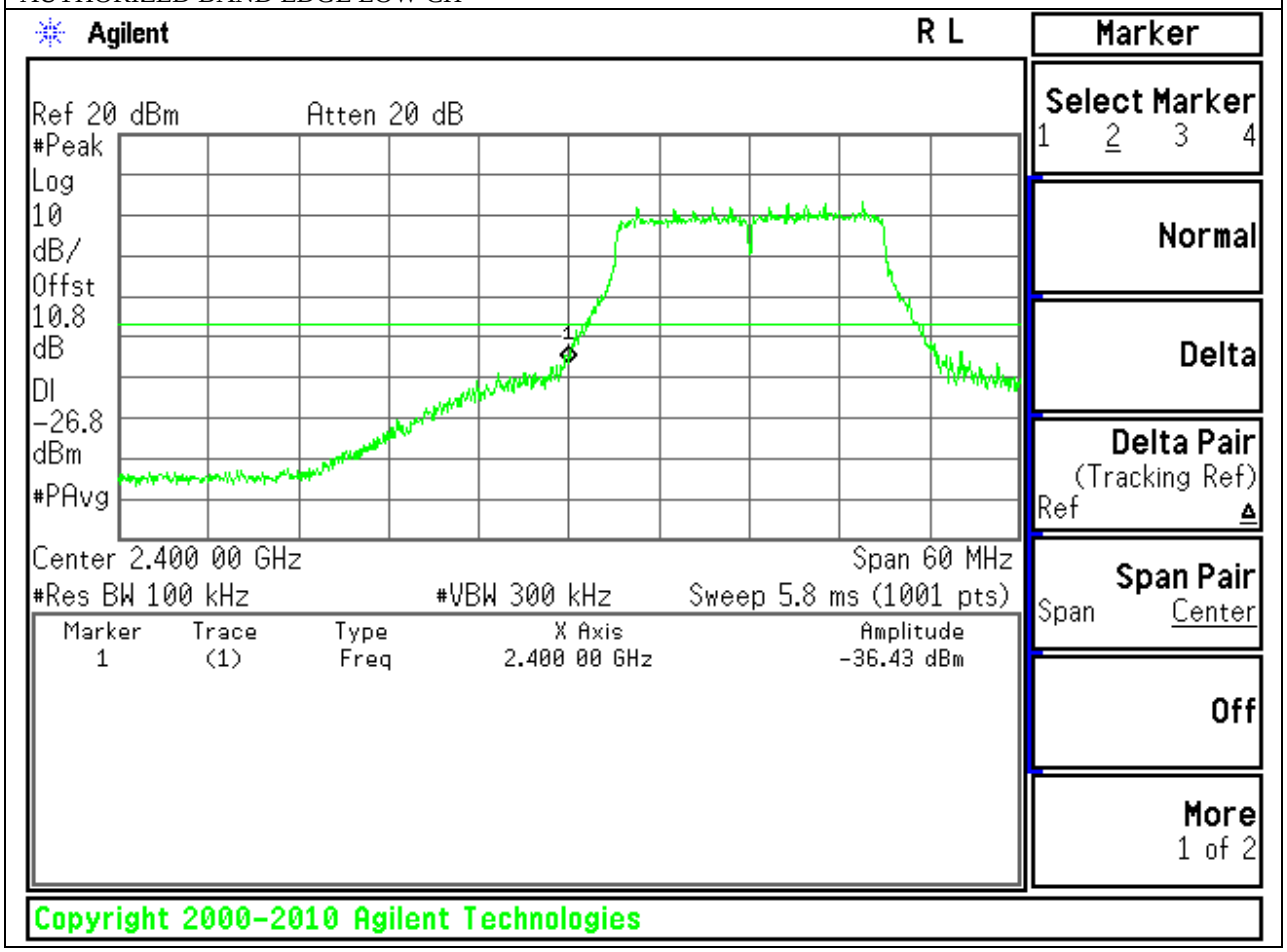
IN-BAND REFERENCE LEVEL

REFERENCE LEVEL MID CH



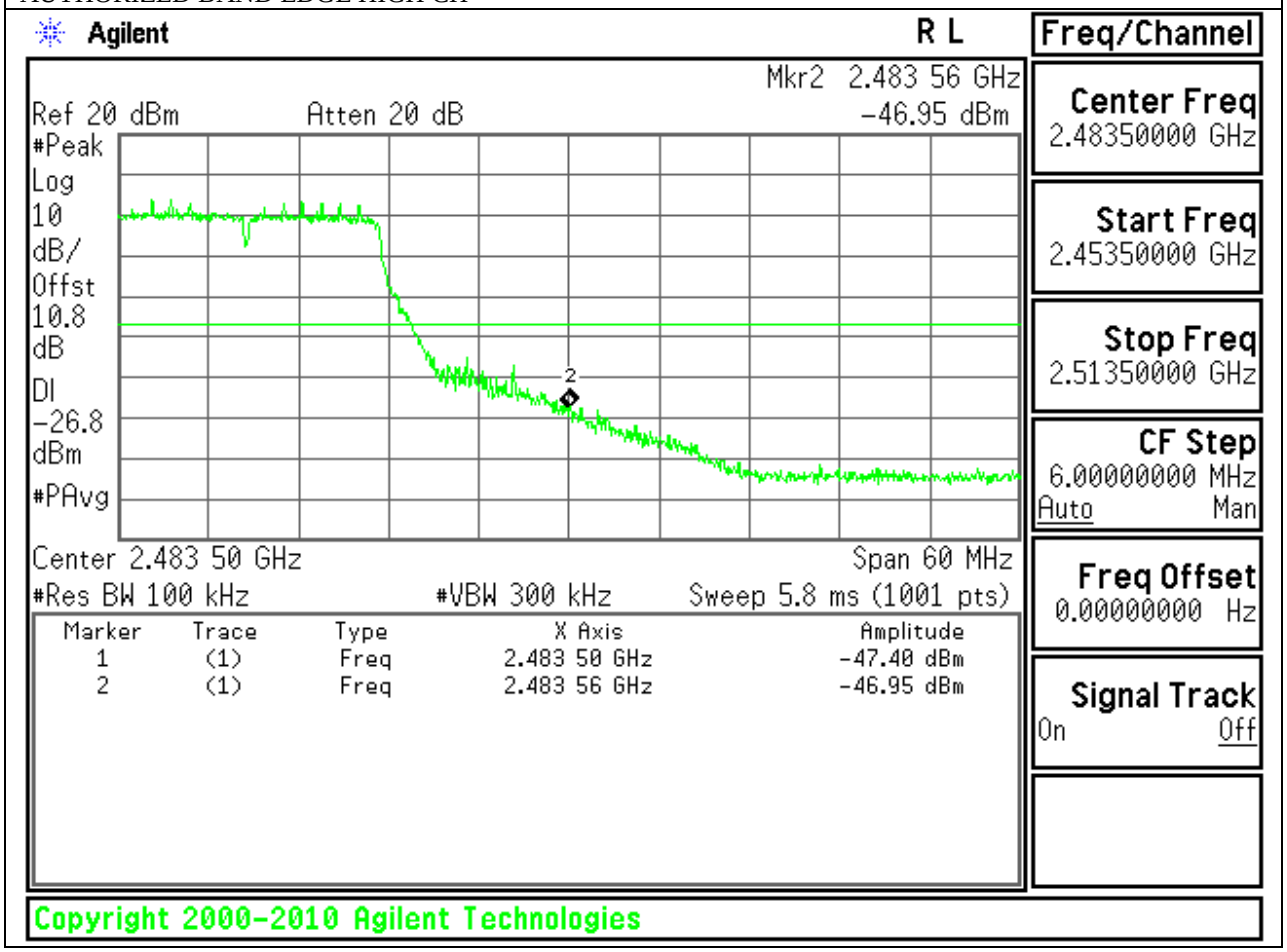
LOW CHANNEL BANDEDGE

AUTHORIZED BAND EDGE LOW CH



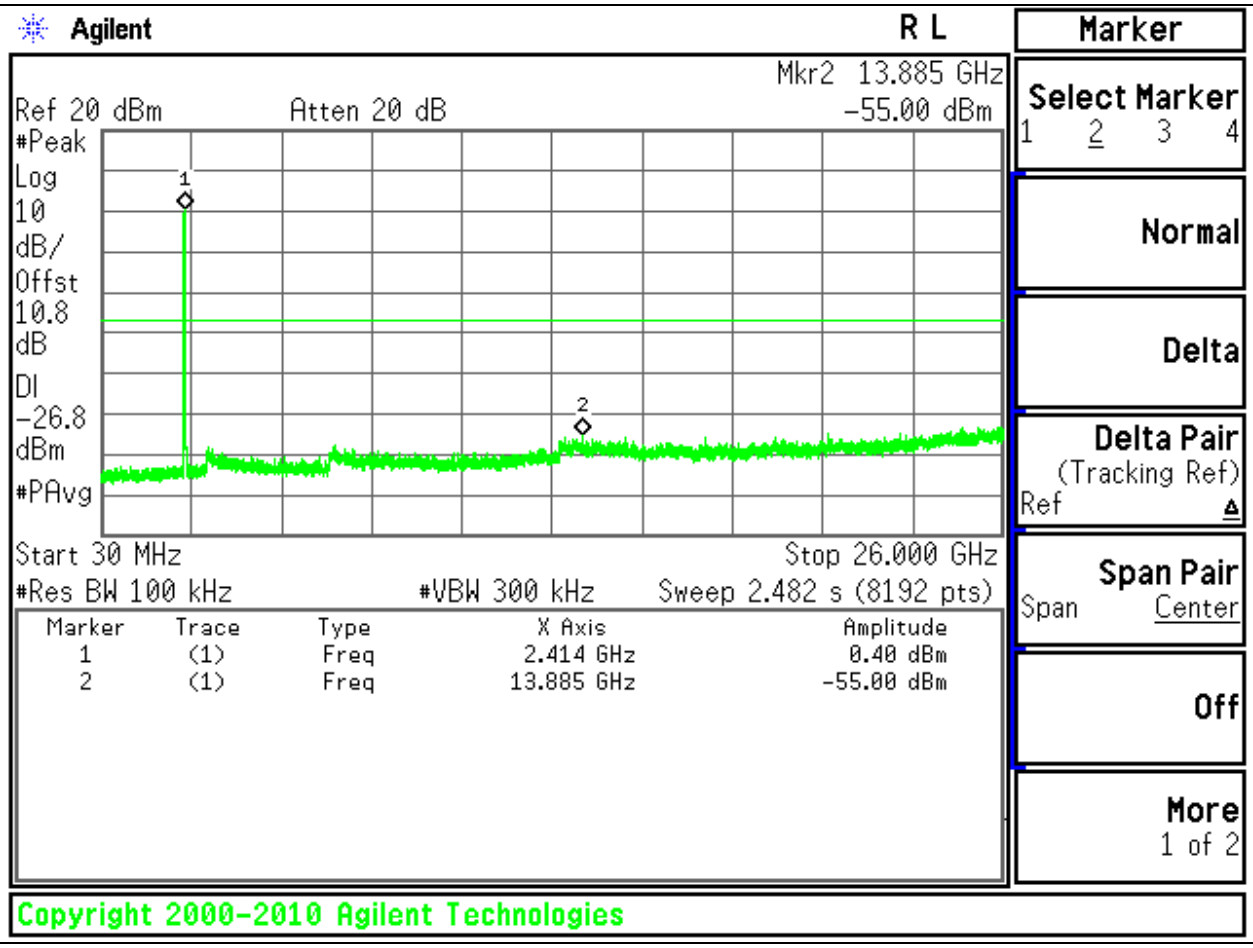
HIGH CHANNEL BANDEDGE

AUTHORIZED BAND EDGE HIGH CH

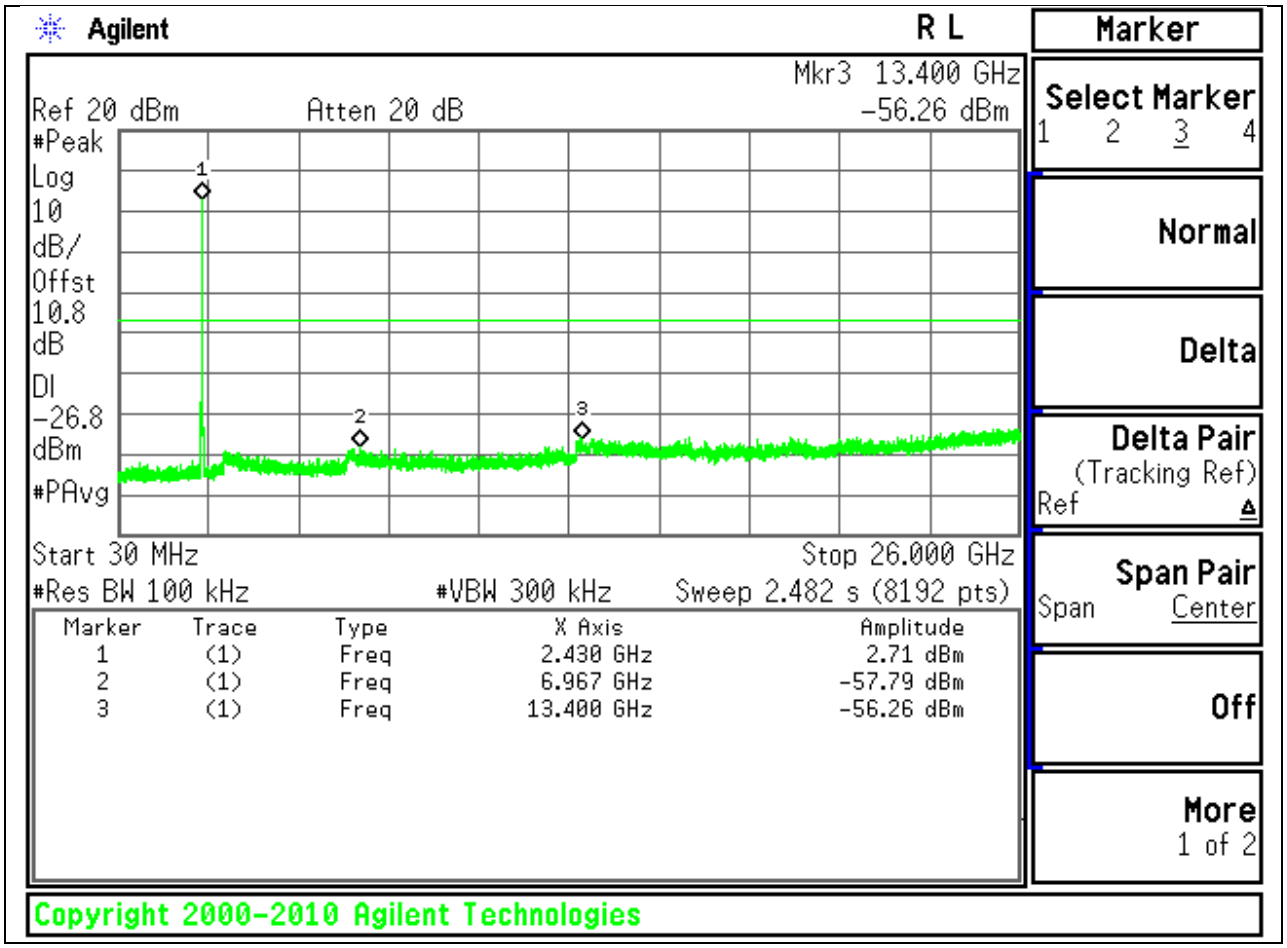


OUT-OF-BAND EMISSIONS

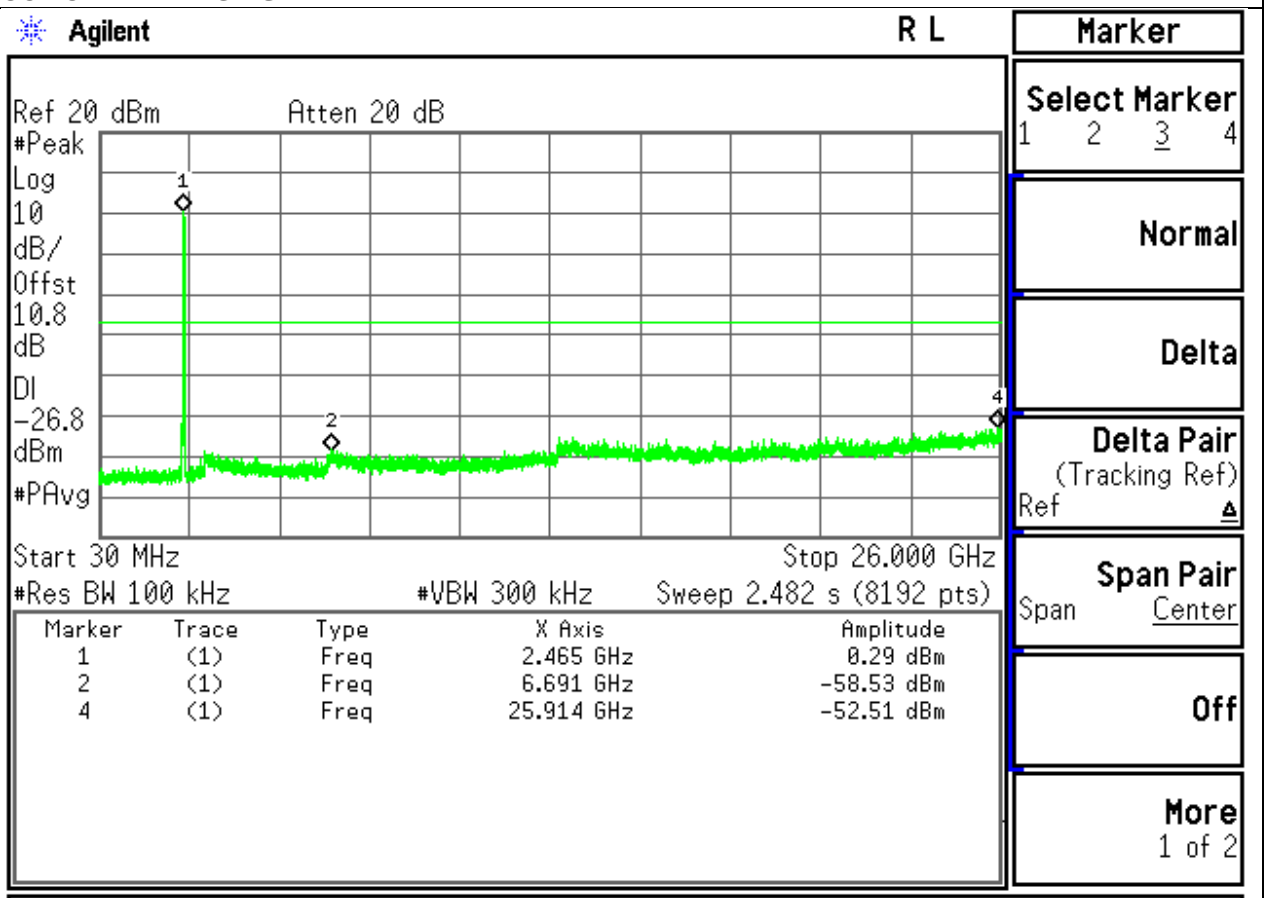
OUT OF BAND LOW CH



OUT OF BAND MID CH



OUT OF BAND HIGH CH



10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

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.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor for average measurements. Duty cycle factor= 10log (1/x) For this sample B mode = 0dB (duty cycle >98%); G mode = 0.3dB; N mode = 0.32dB.

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

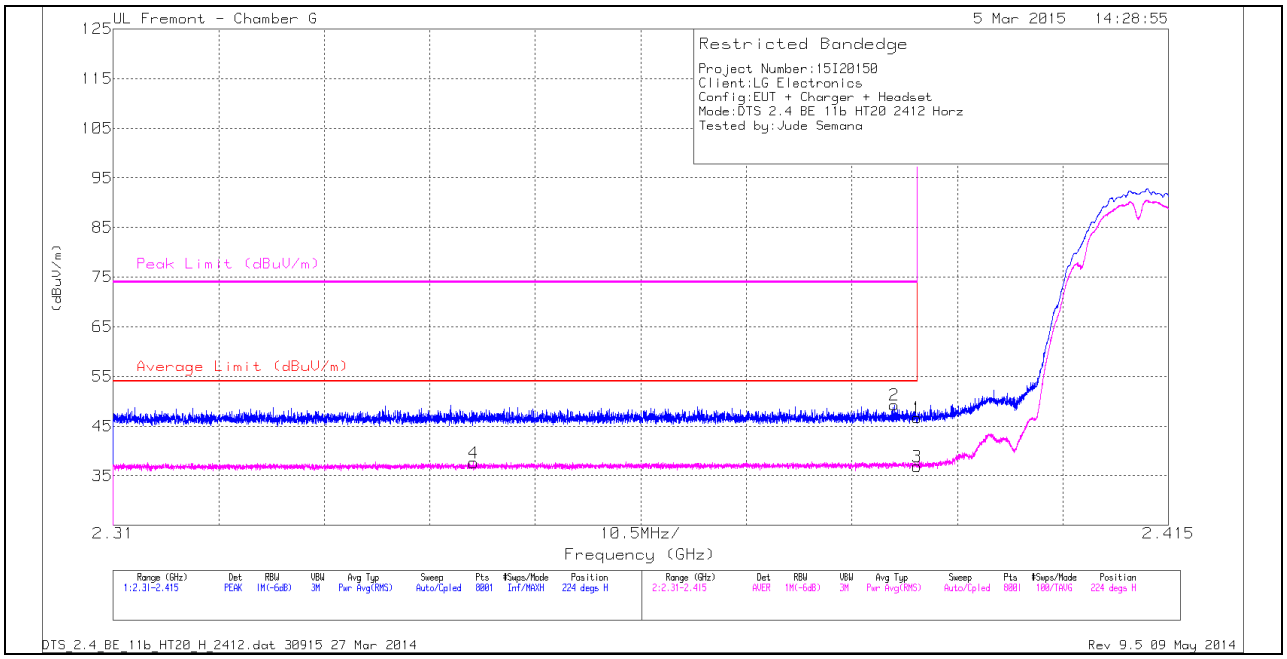
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

10.2. TRANSMITTER ABOVE 1 GHz

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

RESTRICTED BANDEDGE (LOW CHANNEL)

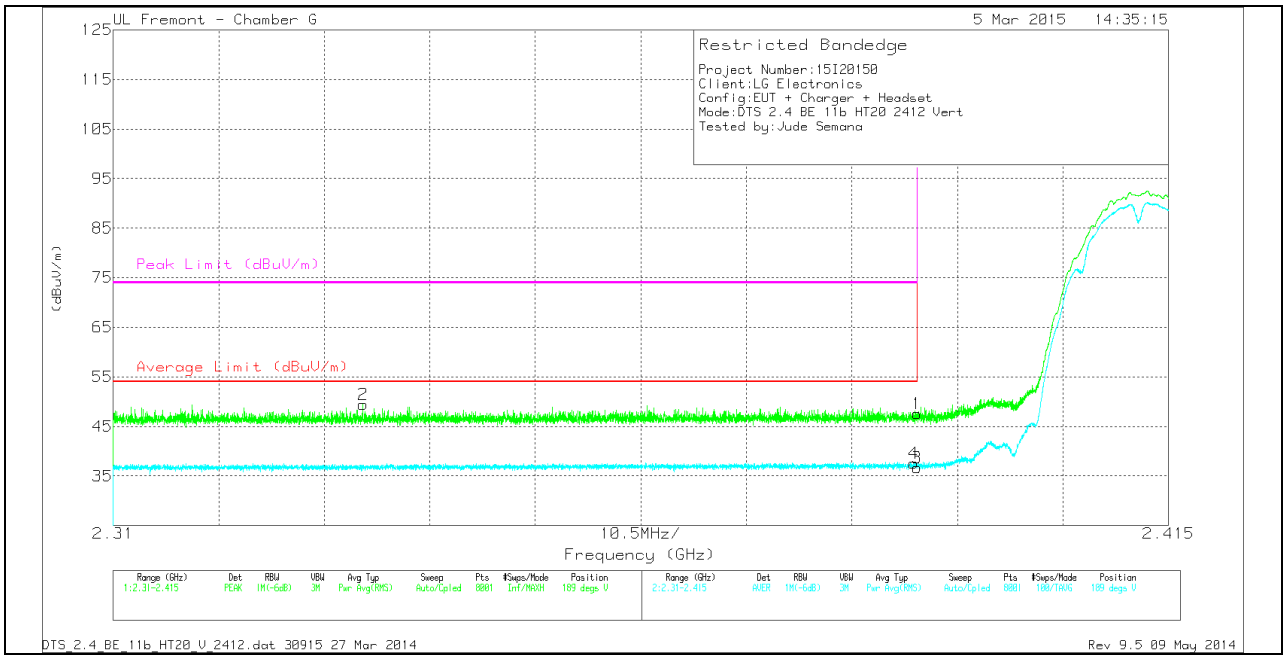
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.73	PK	31.8	-24.9	0	46.63	-	-	74	-27.37	224	194	H
2	* 2.388	42.33	PK	31.8	-24.9	0	49.23	-	-	74	-24.77	224	194	H
3	* 2.39	29.96	RMS	31.8	-24.9	.2	37.06	54	-16.94	-	-	224	194	H
4	* 2.346	30.92	RMS	31.7	-25	.2	37.82	54	-16.18	-	-	224	194	H

VERTICAL PEAK AND AVERAGE PLOT

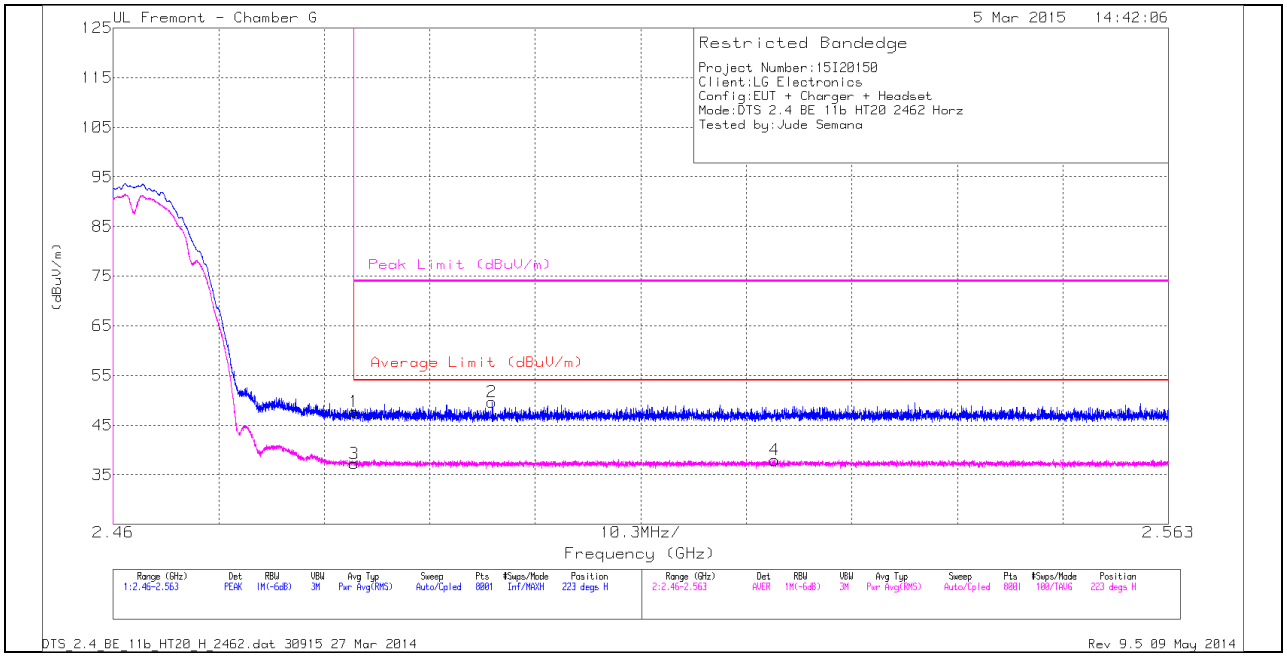


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.335	42.75	PK	31.7	-25	0	49.45	-	-	74	-24.55	189	358	V
1	* 2.39	40.67	PK	31.8	-24.9	0	47.57	-	-	74	-26.43	189	358	V
3	* 2.39	29.77	RMS	31.8	-24.9	.2	36.87	54	-17.13	-	-	189	358	V
4	* 2.39	30.69	RMS	31.8	-24.9	.2	37.79	54	-16.21	-	-	189	358	V

AUTHORIZED BANDEDGE (HIGH CHANNEL)

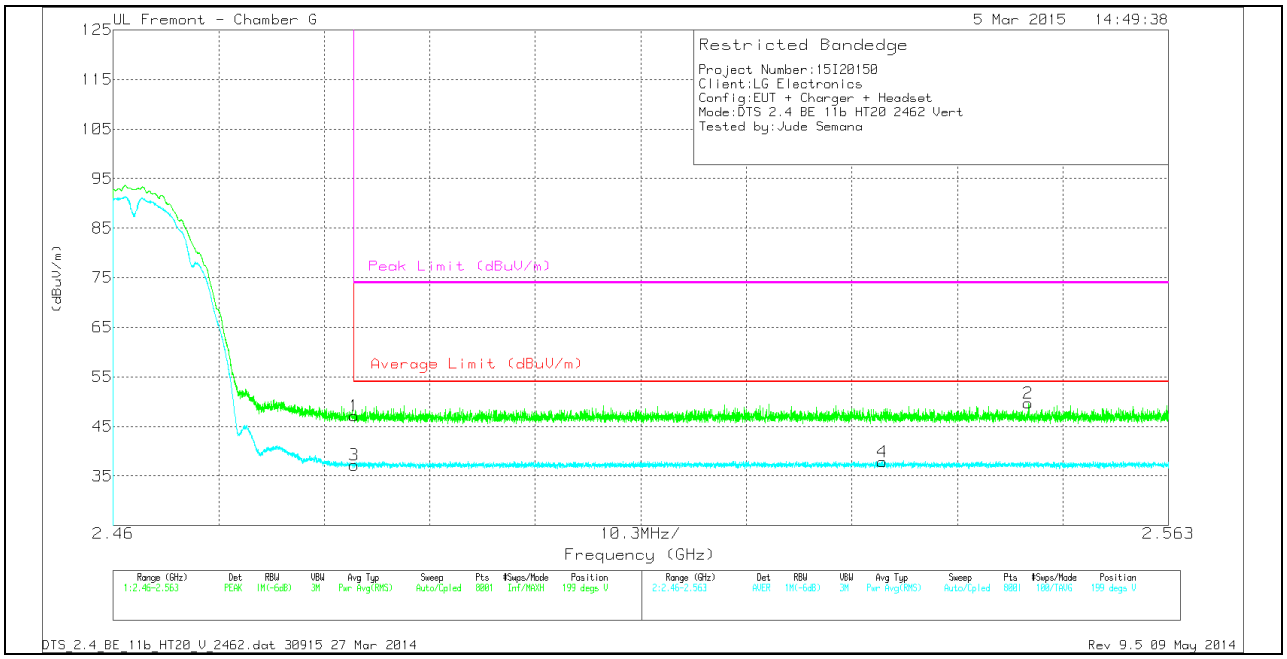
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.62	PK	32	-24.9	0	47.72	-	-	74	-26.28	223	351	H
3	* 2.484	30.11	RMS	32	-24.9	.2	37.41	54	-16.59	-	-	223	351	H
2	* 2.497	42.54	PK	32	-24.9	0	49.64	-	-	74	-24.36	223	351	H
4	2.525	30.85	RMS	32	-24.9	.2	38.15	54	-15.85	-	-	223	351	H

VERTICAL PEAK AND AVERAGE PLOT

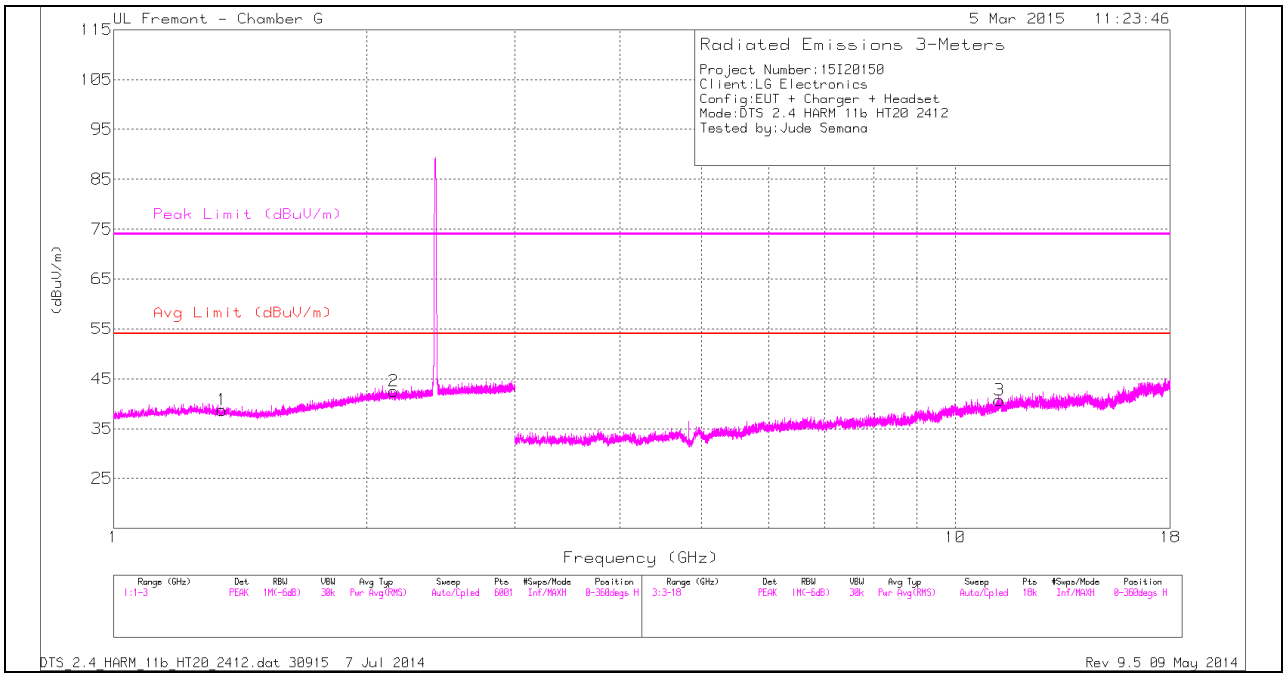


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.03	PK	32	-24.9	0	47.13	-	-	74	-26.87	199	357	V
3	* 2.484	30.1	RMS	32	-24.9	.2	37.4	54	-16.6	-	-	199	357	V
4	2.535	30.75	RMS	32	-24.9	.2	38.05	54	-15.95	-	-	199	357	V
2	2.549	42.58	PK	32	-24.9	0	49.68	-	-	74	-24.32	199	357	V

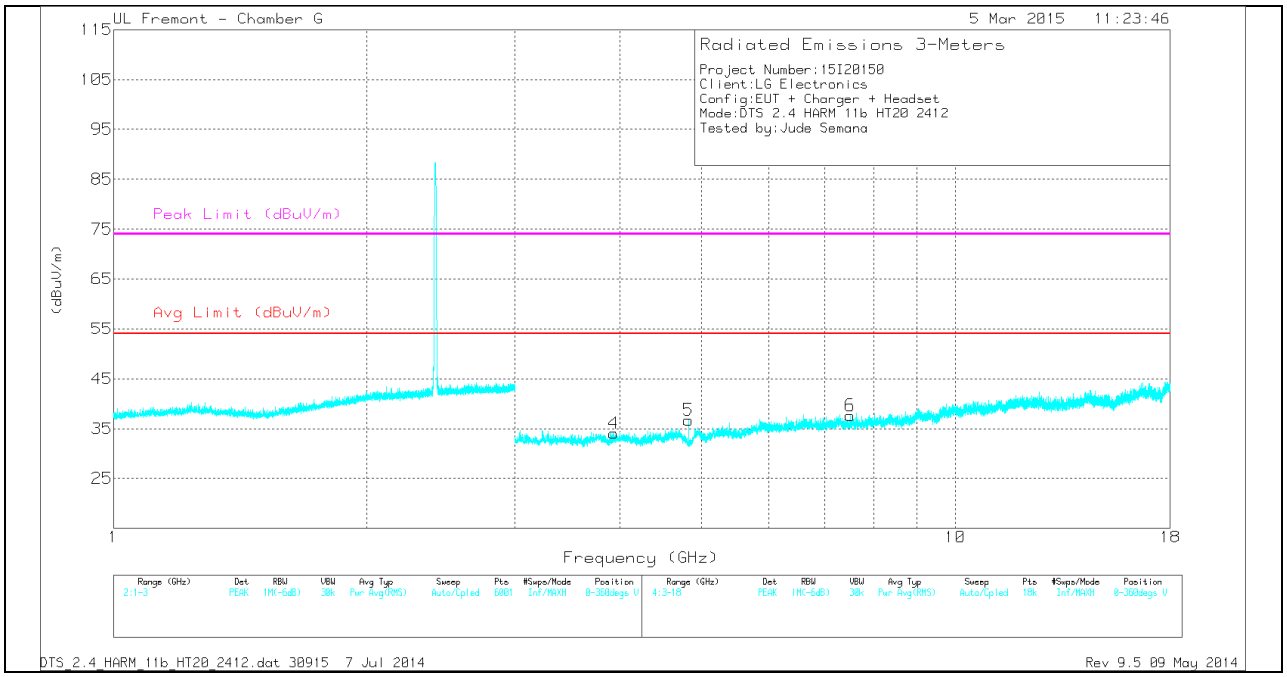
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

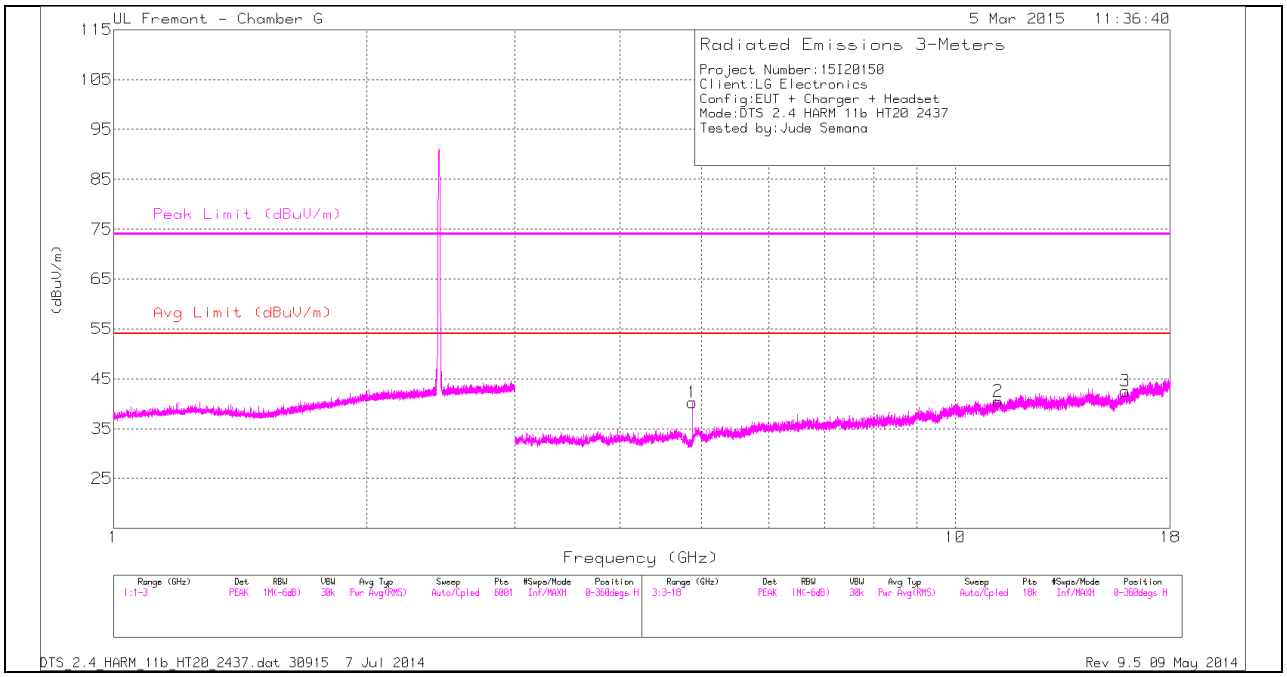
LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.347	35.94	PK	28.7	-25.9	0	38.74	-	-	74	-35.26	0-360	201	H
3	* 11.281	28.73	PK	38	-26	0	40.73	-	-	74	-33.27	0-360	101	H
4	* 3.932	34.18	PK	33.3	-33.4	0	34.08	-	-	74	-39.92	0-360	201	V
5	* 4.824	35.59	PK	34.1	-33	0	36.69	-	-	74	-37.31	0-360	201	V
6	* 7.503	32.9	PK	35.6	-30.9	0	37.6	-	-	74	-36.4	0-360	101	V
2	2.153	36.23	PK	31.4	-25.1	0	42.53	-	-	-	-	0-360	101	H

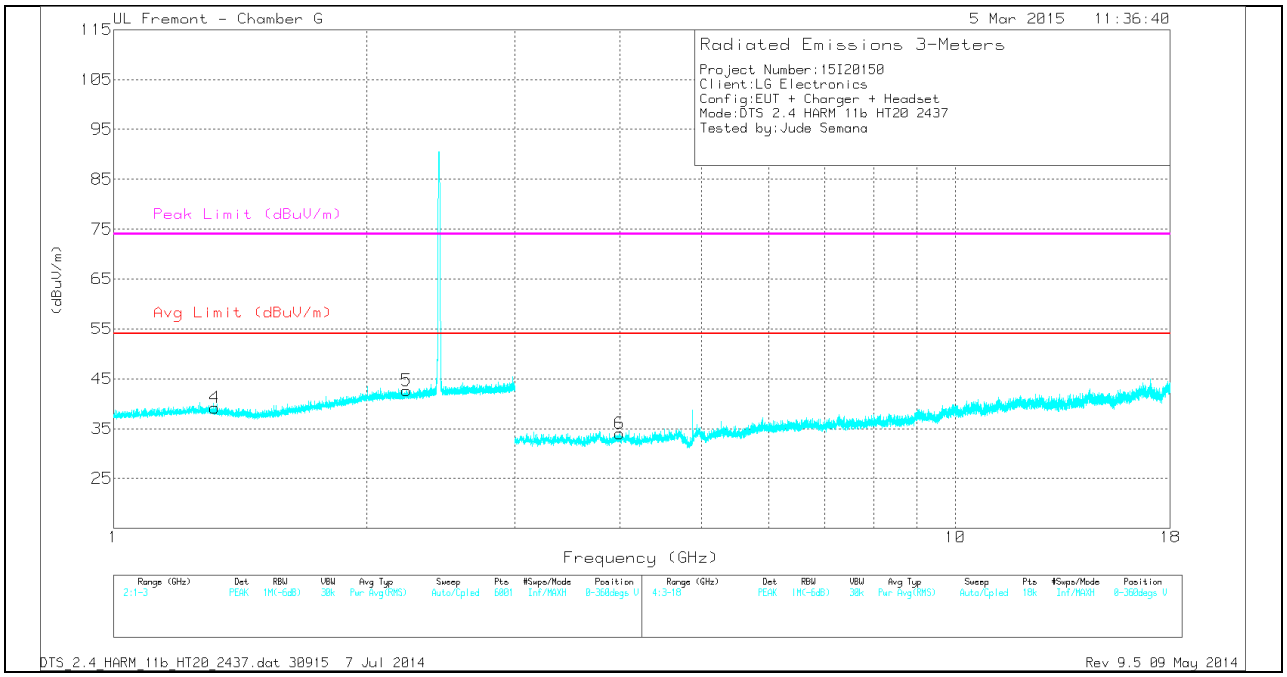
PK - Peak detector

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

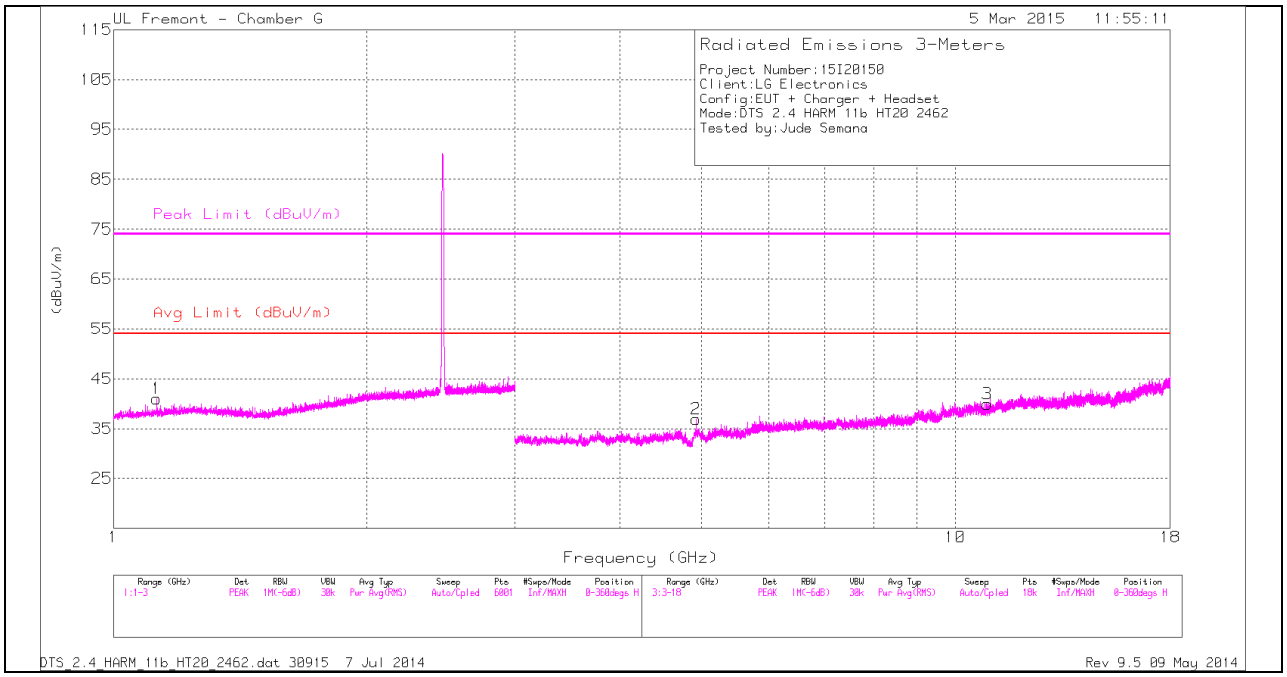
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.32	36.42	PK	28.8	-26	0	39.22	-	-	74	-34.78	0-360	101	V
2	* 11.248	28.81	PK	38	-26.3	0	40.51	-	-	74	-33.49	0-360	101	H
3	* 15.926	29.33	PK	40.4	-27.2	0	42.53	-	-	74	-31.47	0-360	202	H
5	* 2.23	36.23	PK	31.5	-25.1	0	42.63	-	-	74	-31.37	0-360	101	V
6	* 3.995	33.44	PK	33.4	-32.8	0	34.04	-	-	74	-39.96	0-360	202	V
1	* 4.874	39.25	PK	34.1	-33.1	0	40.25	-	-	74	-33.75	0-360	101	H

PK - Peak detector

RADIATED EMISSIONS

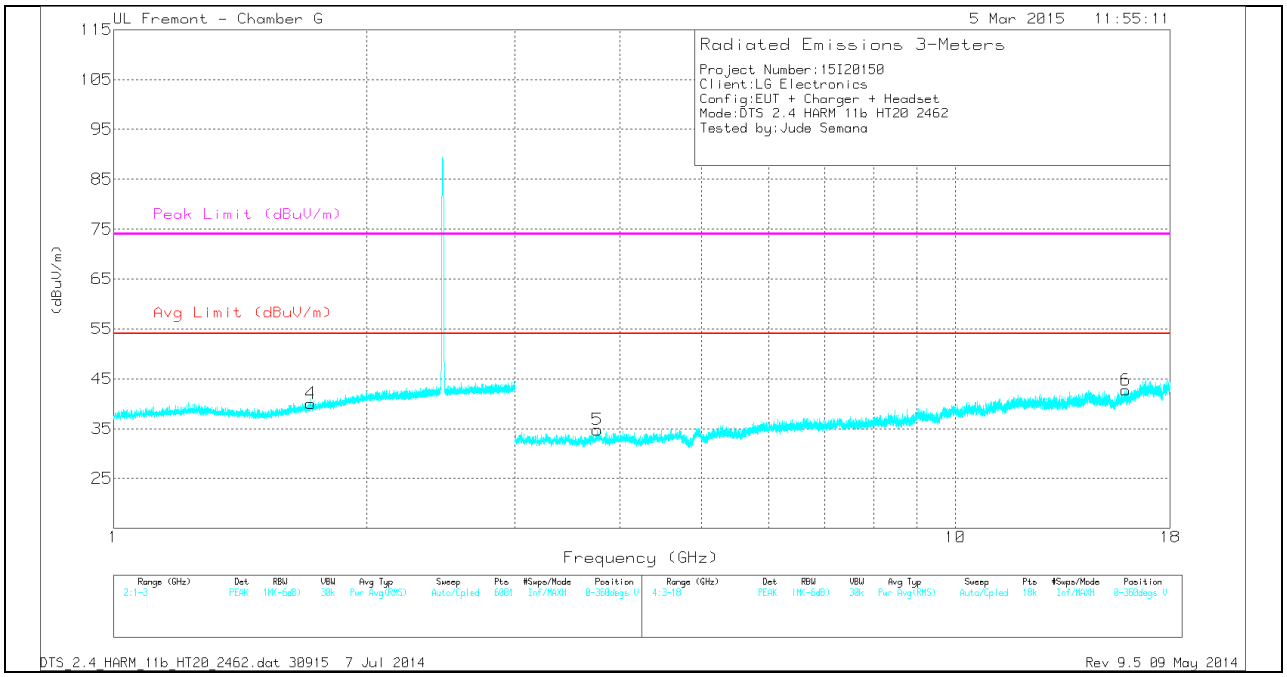
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.874	44.77	PK2	34.1	-33.1	45.77	-	-	74	-28.23	20	235	H
* 4.874	39.48	MAv1	34.1	-33.1	40.48	54	-13.52	-	-	20	235	H

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

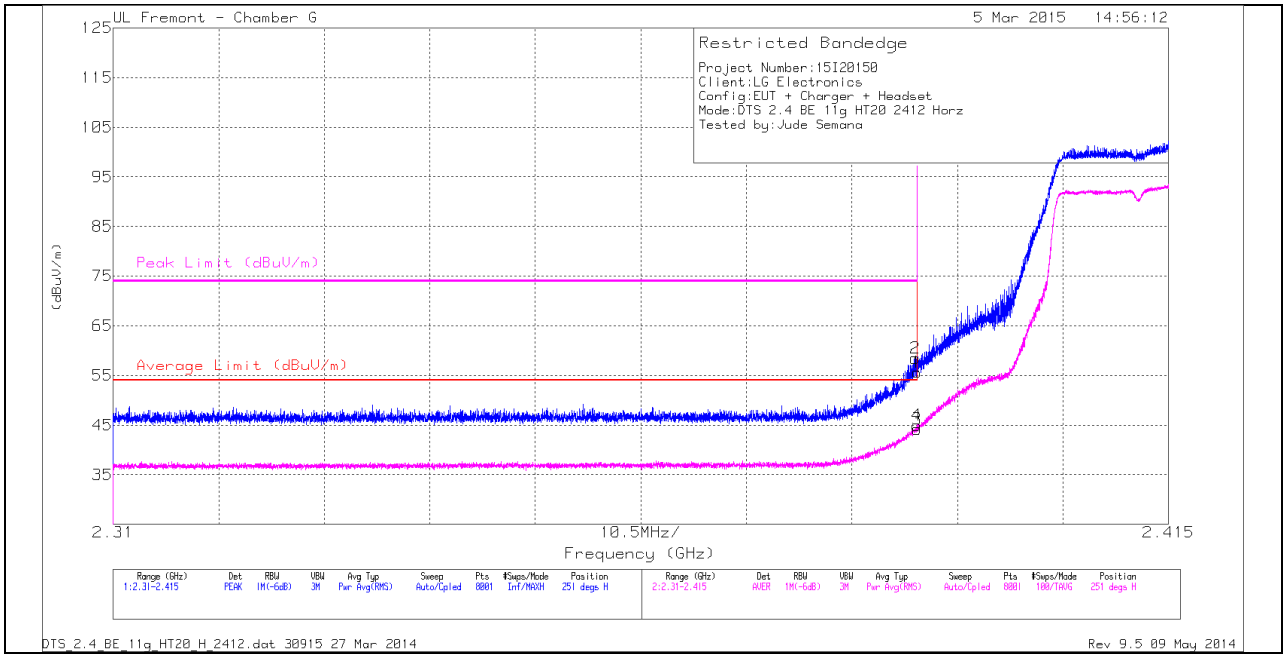
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.126	38.39	PK	28.6	-26	0	40.99	-	-	74	-33.01	0-360	101	H
2	* 4.924	35.89	PK	34.1	-33.1	0	36.89	-	-	74	-37.11	0-360	201	H
3	* 10.915	29.24	PK	37.8	-27.1	0	39.94	-	-	74	-34.06	0-360	201	H
5	* 3.758	34.19	PK	32.9	-32.3	0	34.79	-	-	74	-39.21	0-360	101	V
6	* 15.941	29.53	PK	40.4	-27.2	0	42.73	-	-	74	-31.27	0-360	201	V
4	1.716	36.04	PK	29.4	-25.4	0	40.04	-	-	-	-	0-360	101	V

PK - Peak detector

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

RESTRICTED BANDEDGE (LOW CHANNEL)

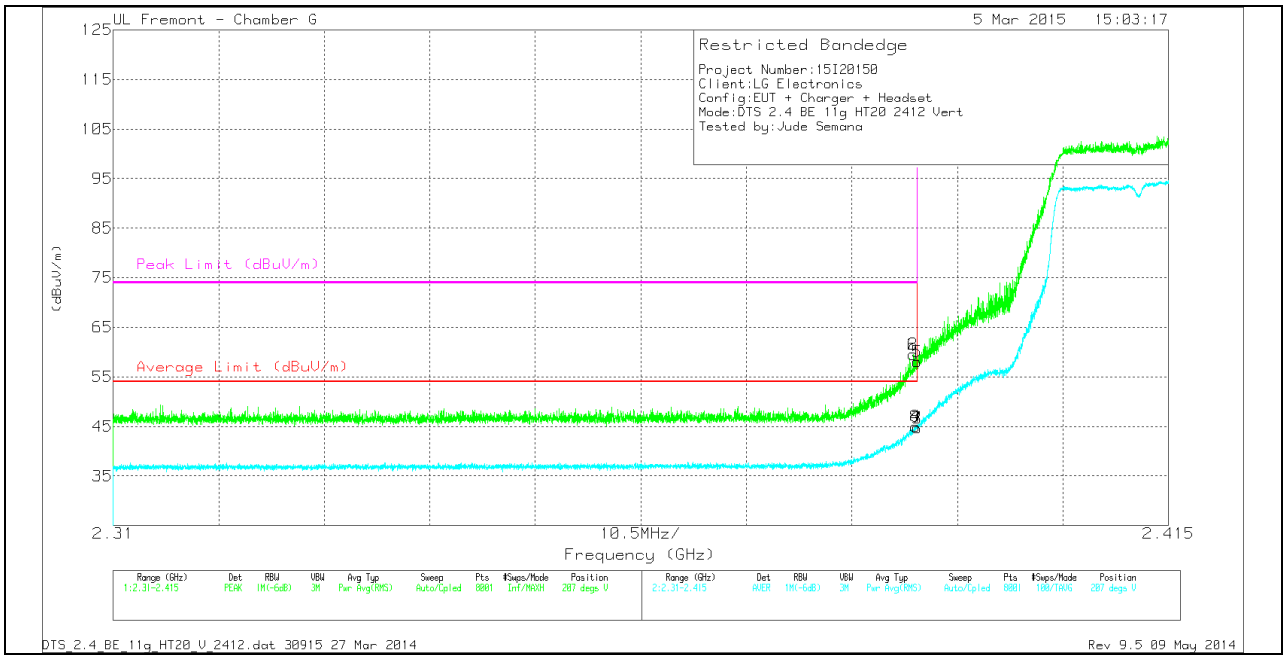
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	48.71	PK	31.8	-24.9	0	55.61	-	-	74	-18.39	251	288	H
2	* 2.39	51.57	PK	31.8	-24.9	0	58.47	-	-	74	-15.53	251	288	H
3	* 2.39	37.29	RMS	31.8	-24.9	.2	44.39	54	-9.61	-	-	251	288	H
4	* 2.39	38.05	RMS	31.8	-24.9	.2	45.15	54	-8.85	-	-	251	288	H

VERTICAL PEAK AND AVERAGE PLOT

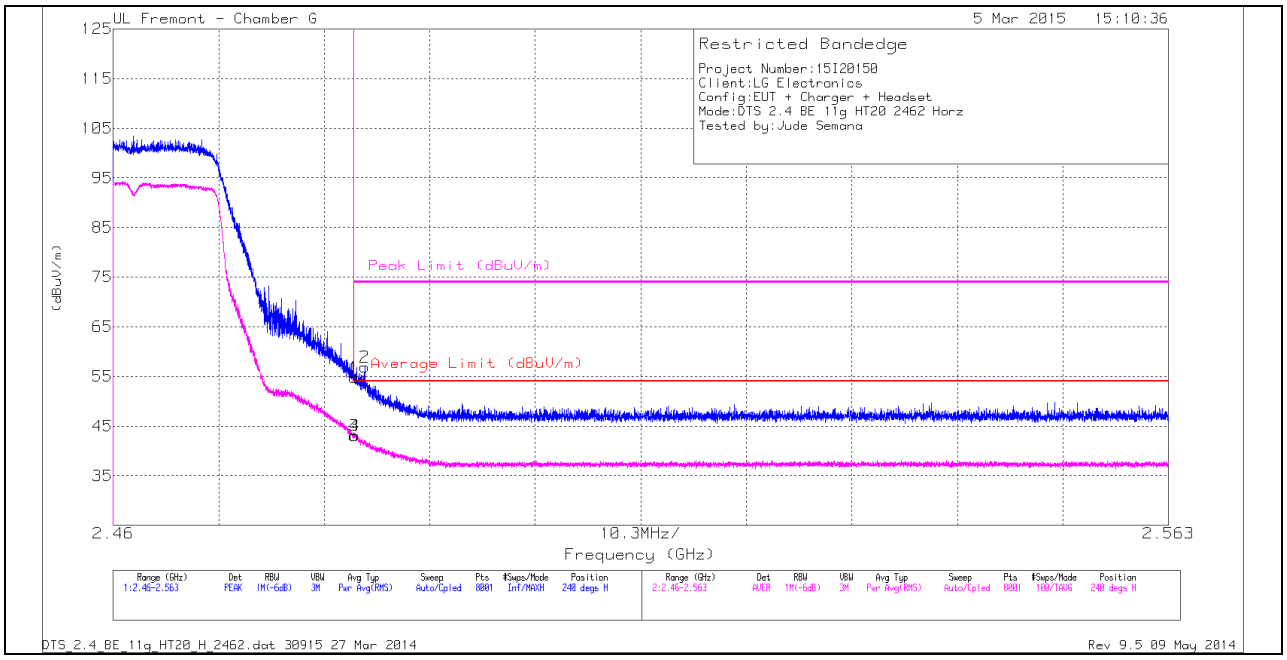


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.16	PK	31.8	-24.9	0	58.06	-	-	74	-15.94	207	368	V
2	* 2.39	52.63	PK	31.8	-24.9	0	59.53	-	-	74	-14.47	207	368	V
5	* 2.39	51.16	PK	31.8	-24.9	0	58.06	-	-	74	-15.94	207	368	V
6	* 2.39	52.63	PK	31.8	-24.9	0	59.53	-	-	74	-14.47	207	368	V
3	* 2.39	37.76	RMS	31.8	-24.9	.2	44.86	54	-9.14	-	-	207	368	V
4	* 2.39	38.08	RMS	31.8	-24.9	.2	45.18	54	-8.82	-	-	207	368	V
7	* 2.39	37.76	RMS	31.8	-24.9	.2	44.86	54	-9.14	-	-	207	368	V
8	* 2.39	38.08	RMS	31.8	-24.9	.2	45.18	54	-8.82	-	-	207	368	V

AUTHORIZED BANDEDGE (HIGH CHANNEL)

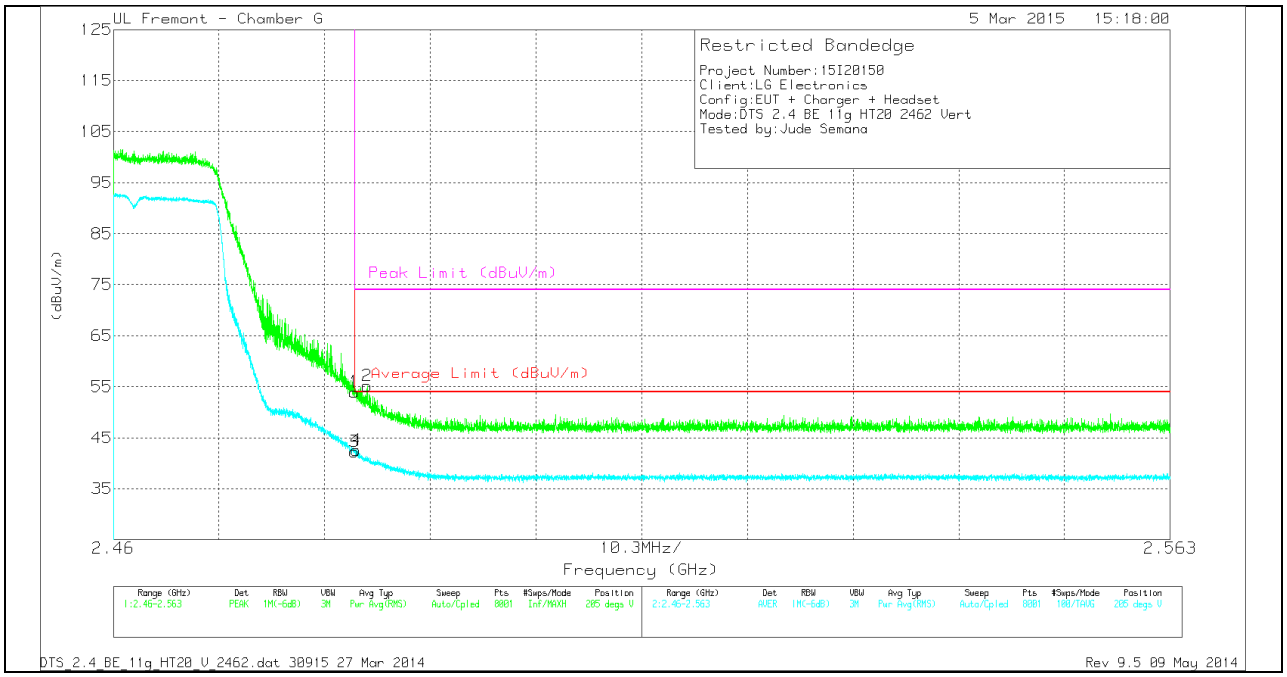
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.66	PK	32	-24.9	0	54.76	-	-	74	-19.24	240	230	H
3	* 2.484	35.99	RMS	32	-24.9	.2	43.29	54	-10.71	-	-	240	230	H
4	* 2.484	35.94	RMS	32	-24.9	.2	43.24	54	-10.76	-	-	240	230	H
2	* 2.485	49.81	PK	32	-24.9	0	56.91	-	-	74	-17.09	240	230	H

VERTICAL PEAK AND AVERAGE PLOT

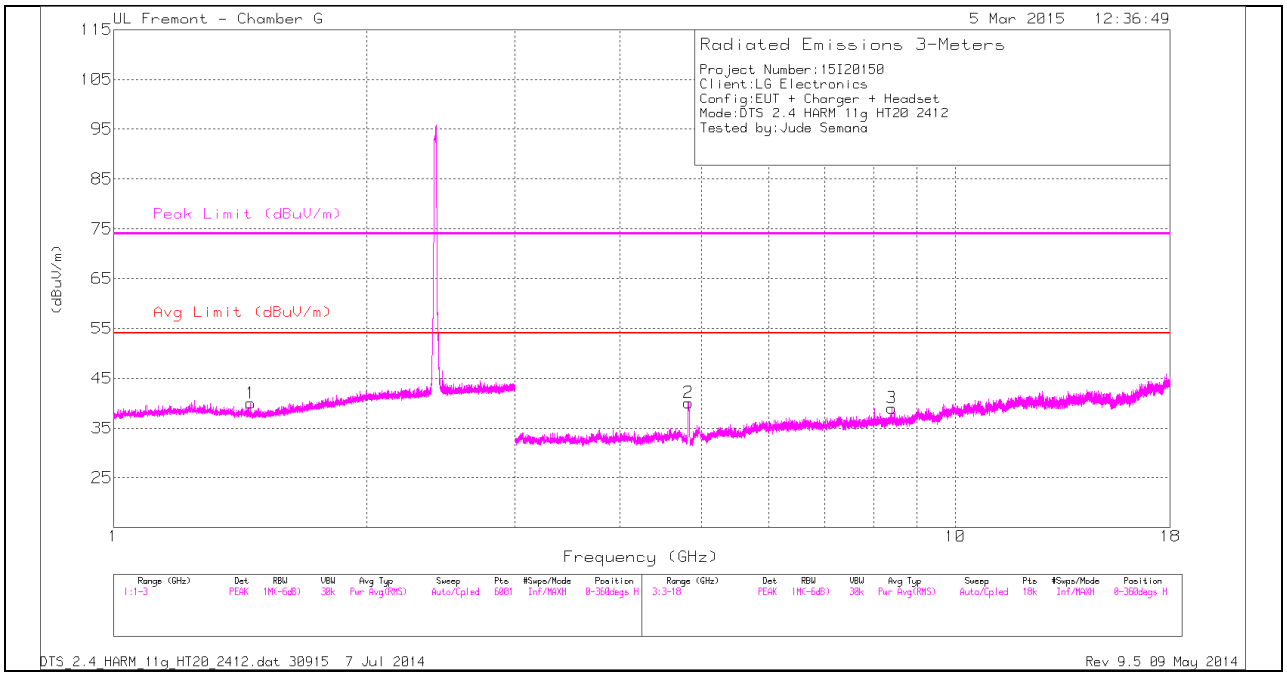


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.81	PK	32	-24.9	0	53.91	-	-	74	-20.09	205	347	V
3	* 2.484	35.14	RMS	32	-24.9	.2	42.44	54	-11.56	-	-	205	347	V
4	* 2.484	35.45	RMS	32	-24.9	.2	42.75	54	-11.25	-	-	205	347	V
2	* 2.485	48.07	PK	32	-24.9	0	55.17	-	-	74	-18.83	205	347	V

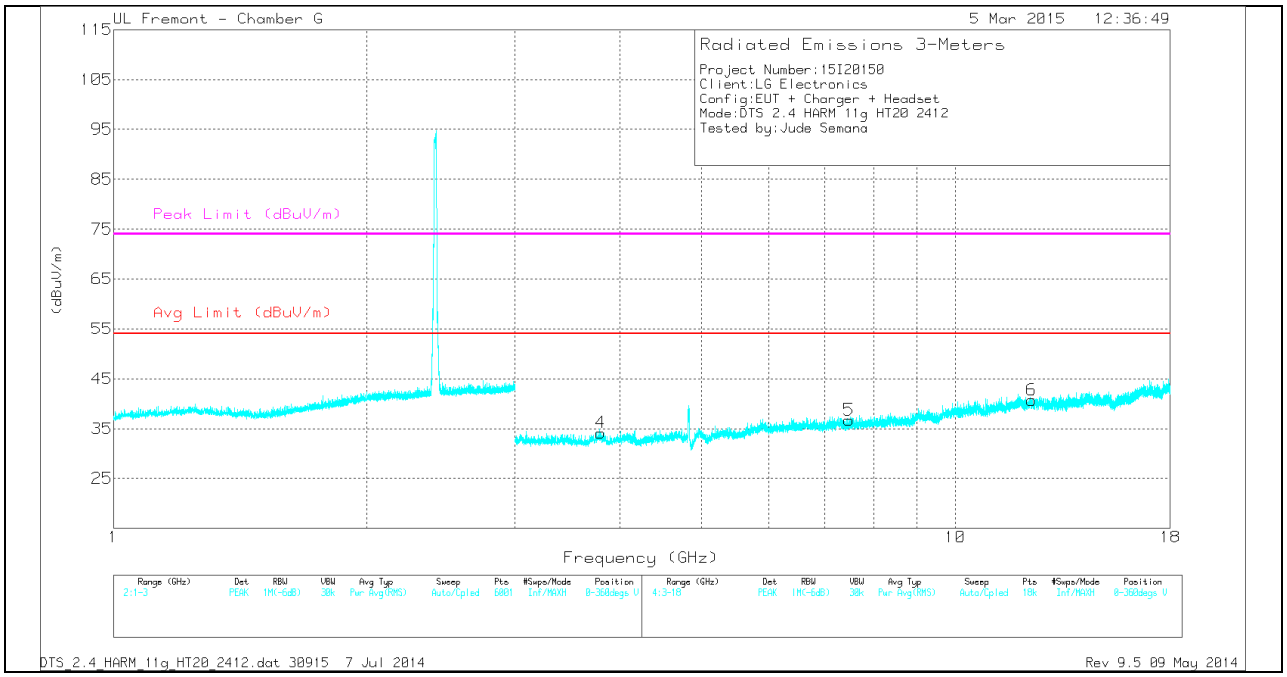
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

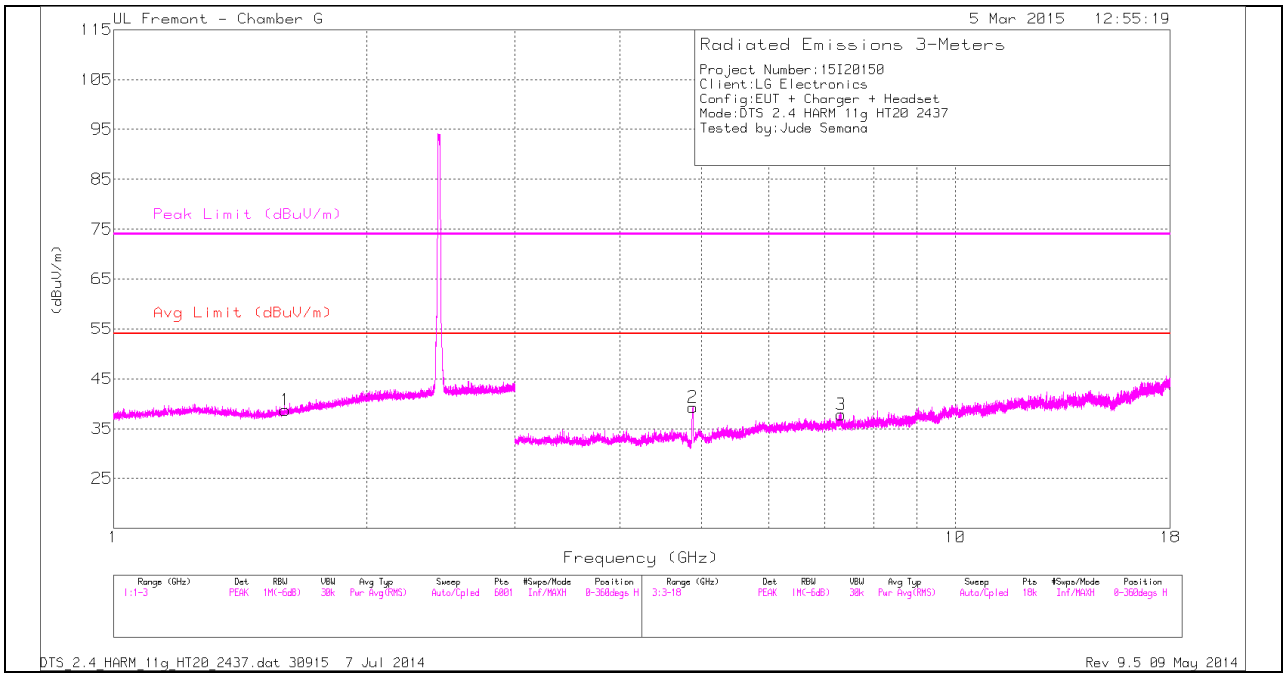
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.456	37.52	PK	28.1	-25.6	0	40.02	-	-	74	-33.98	0-360	101	H
2	* 4.823	38.97	PK	34.1	-33	0	40.07	-	-	74	-33.93	0-360	101	H
3	* 8.408	32.5	PK	35.8	-29.3	0	39	-	-	74	-35	0-360	101	H
4	* 3.79	34.15	PK	33	-33	0	34.15	-	-	74	-39.85	0-360	101	V
5	* 7.479	32.02	PK	35.6	-30.9	0	36.72	-	-	74	-37.28	0-360	101	V
6	* 12.326	28.83	PK	38.9	-27	0	40.73	-	-	74	-33.27	0-360	101	V

PK - Peak detector

RADIATED EMISSIONS

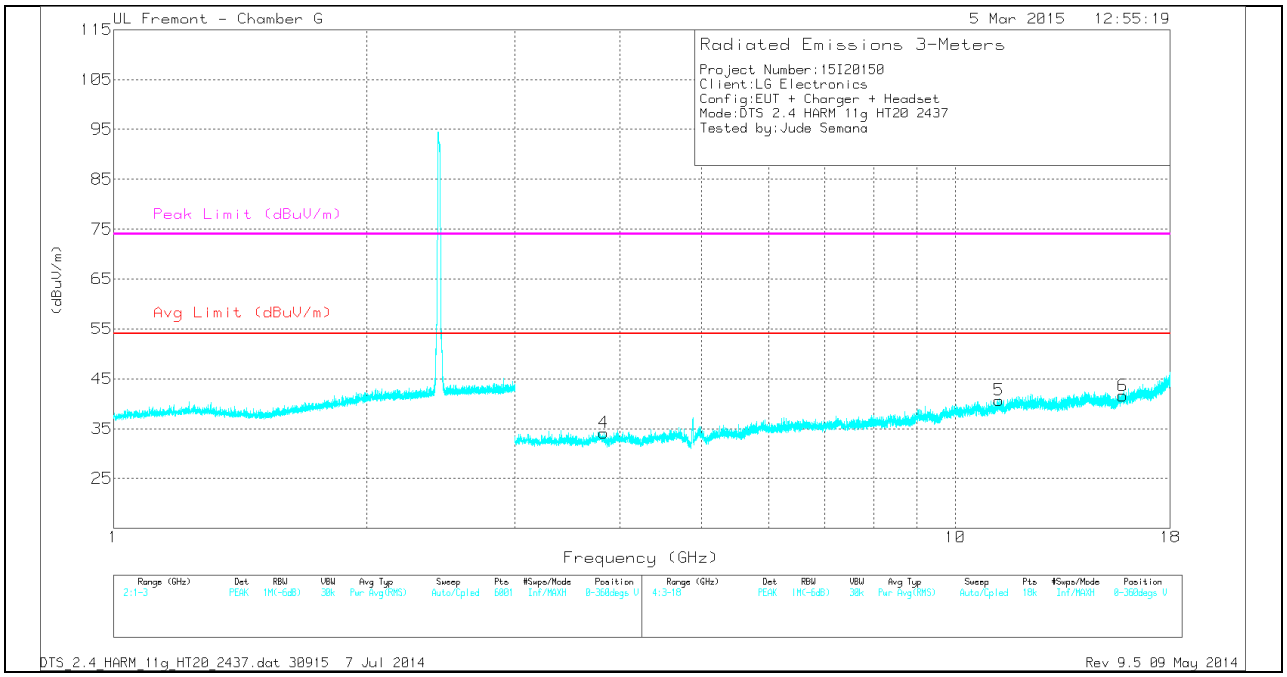
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.822	51.01	PK2	34.1	-33	0	52.11	-	-	74	-21.89	17	194	H
* 4.823	38.55	MAv1	34.1	-33	.2	39.85	54	-14.15	-	-	17	194	H

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

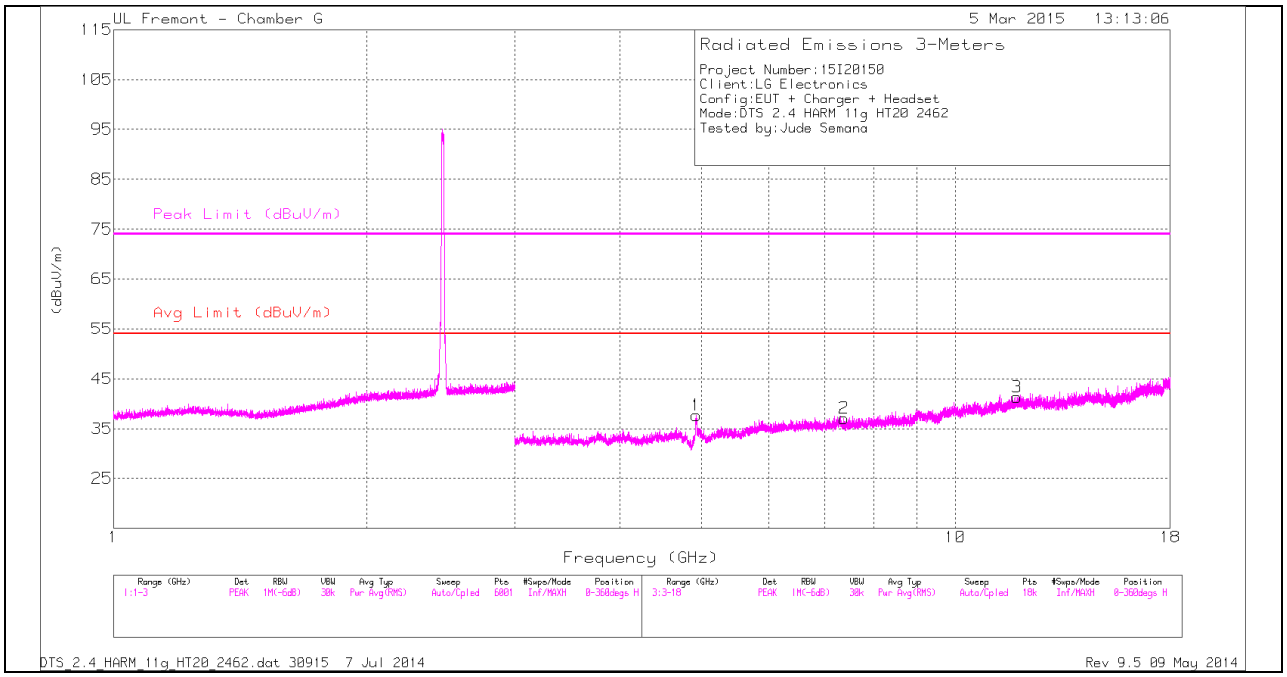
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.601	35.62	PK	28.6	-25.5	0	38.72	-	-	74	-35.28	0-360	201	H
2	* 4.879	38.18	PK	34.1	-33	0	39.28	-	-	74	-34.72	0-360	201	H
3	* 7.321	33.31	PK	35.6	-31.1	0	37.81	-	-	74	-36.19	0-360	101	H
4	* 3.825	34.44	PK	33	-33.3	0	34.14	-	-	74	-39.86	0-360	101	V
5	* 11.269	28.67	PK	38	-26	0	40.67	-	-	74	-33.33	0-360	201	V
6	* 15.805	28.71	PK	40.3	-27.4	0	41.61	-	-	74	-32.39	0-360	201	V

PK - Peak detector

RADIATED EMISSIONS

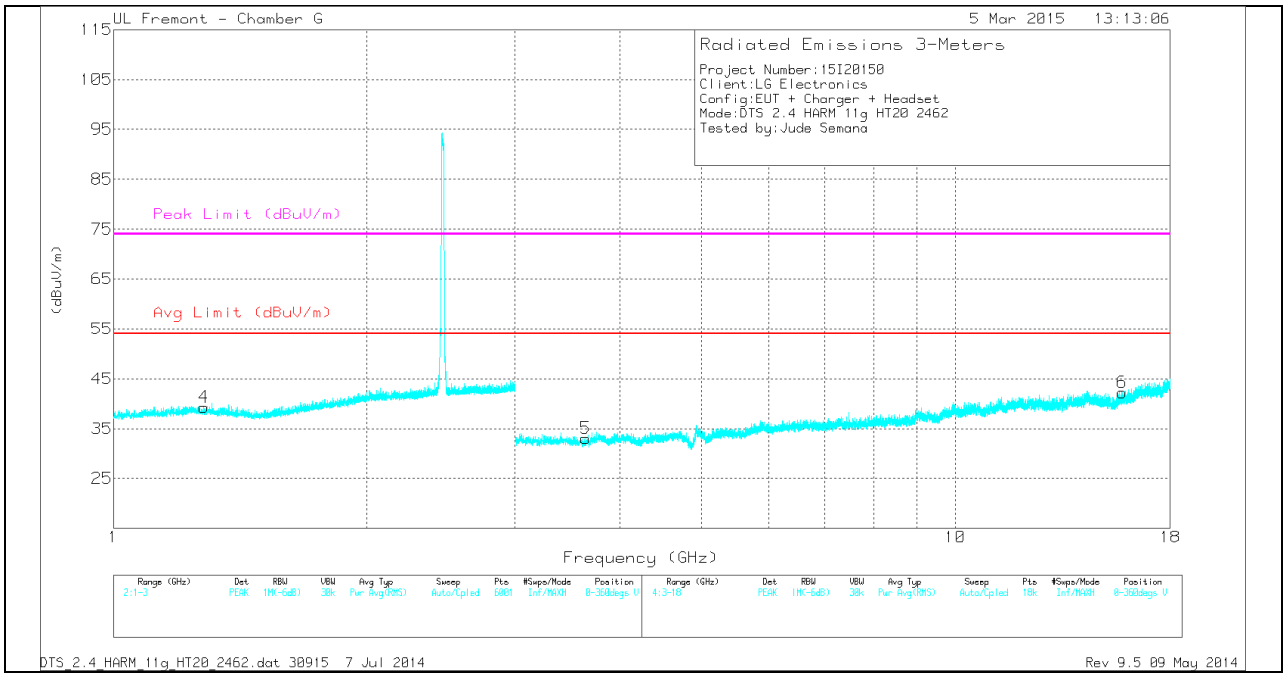
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.877	50.75	PK2	34.1	-33	0	51.85	-	-	74	-22.15	173	239	H
* 4.877	36.78	MAv1	34.1	-33	.2	38.08	54	-15.92	-	-	173	239	H

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

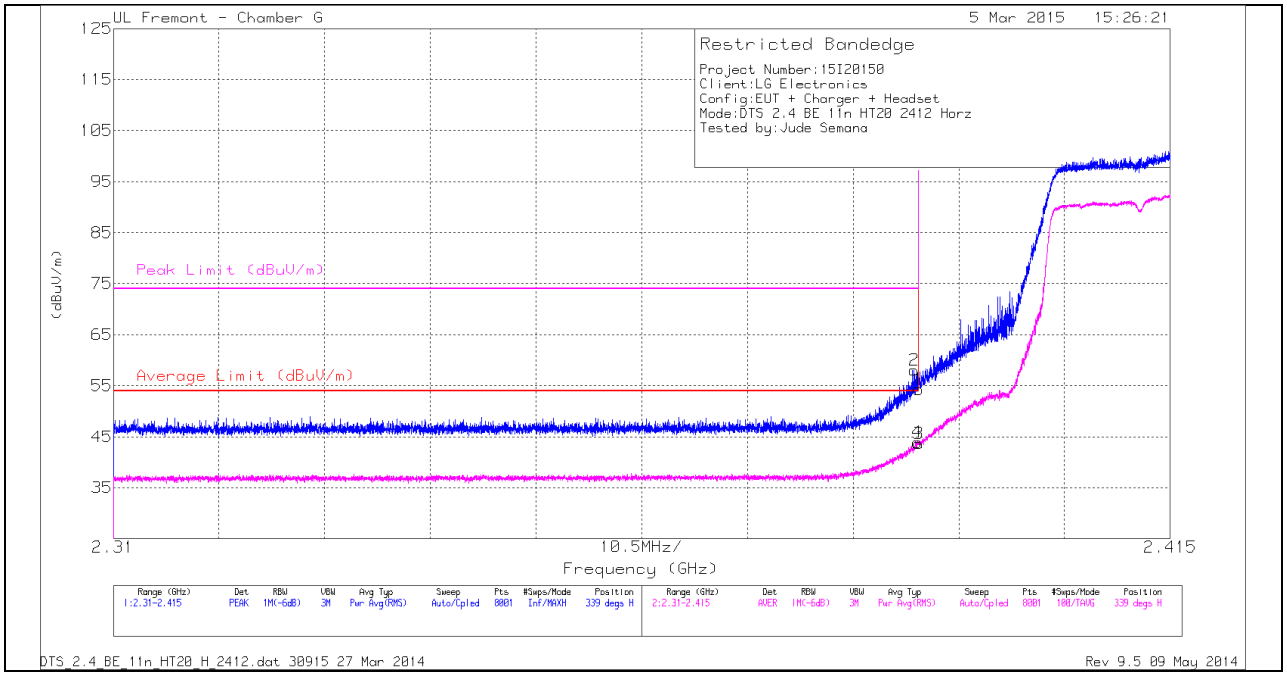
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.281	36.29	PK	29	-26	0	39.29	-	-	74	-34.71	0-360	101	V
1	* 4.926	36.65	PK	34.1	-33.1	0	37.65	-	-	74	-36.35	0-360	100	H
2	* 7.372	33.2	PK	35.6	-31.7	0	37.1	-	-	74	-36.9	0-360	201	H
3	* 11.84	29.52	PK	38.7	-26.9	0	41.32	-	-	74	-32.68	0-360	100	H
5	* 3.641	33.05	PK	32.9	-32.9	0	33.05	-	-	74	-40.95	0-360	201	V
6	* 15.782	29.57	PK	40.2	-27.5	0	42.27	-	-	74	-31.73	0-360	201	V

PK - Peak detector

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

RESTRICTED BANDEDGE (LOW CHANNEL)

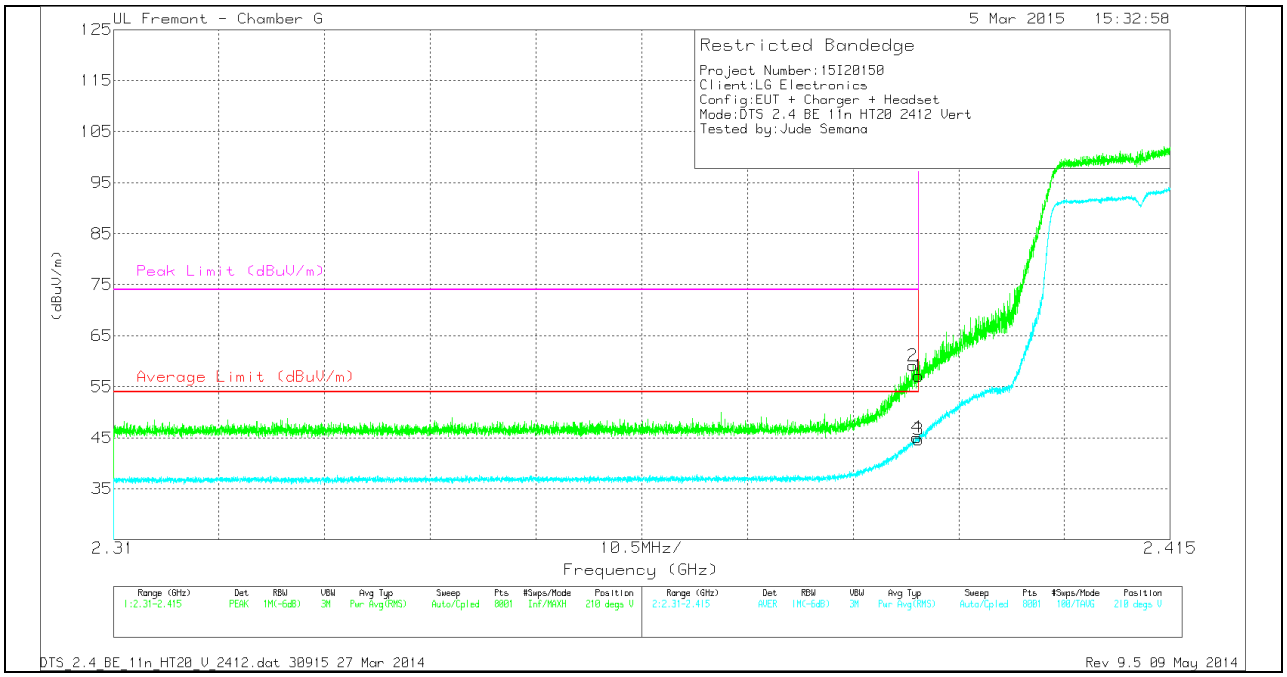
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	47.42	PK	31.8	-24.9	0	54.32	-	-	74	-19.68	339	226	H
2	* 2.39	51.16	PK	31.8	-24.9	0	58.06	-	-	74	-15.94	339	226	H
3	* 2.39	36.75	RMS	31.8	-24.9	.2	43.85	54	-10.15	-	-	339	226	H
4	* 2.39	36.99	RMS	31.8	-24.9	.2	44.09	54	-9.91	-	-	339	226	H

VERTICAL PEAK AND AVERAGE PLOT

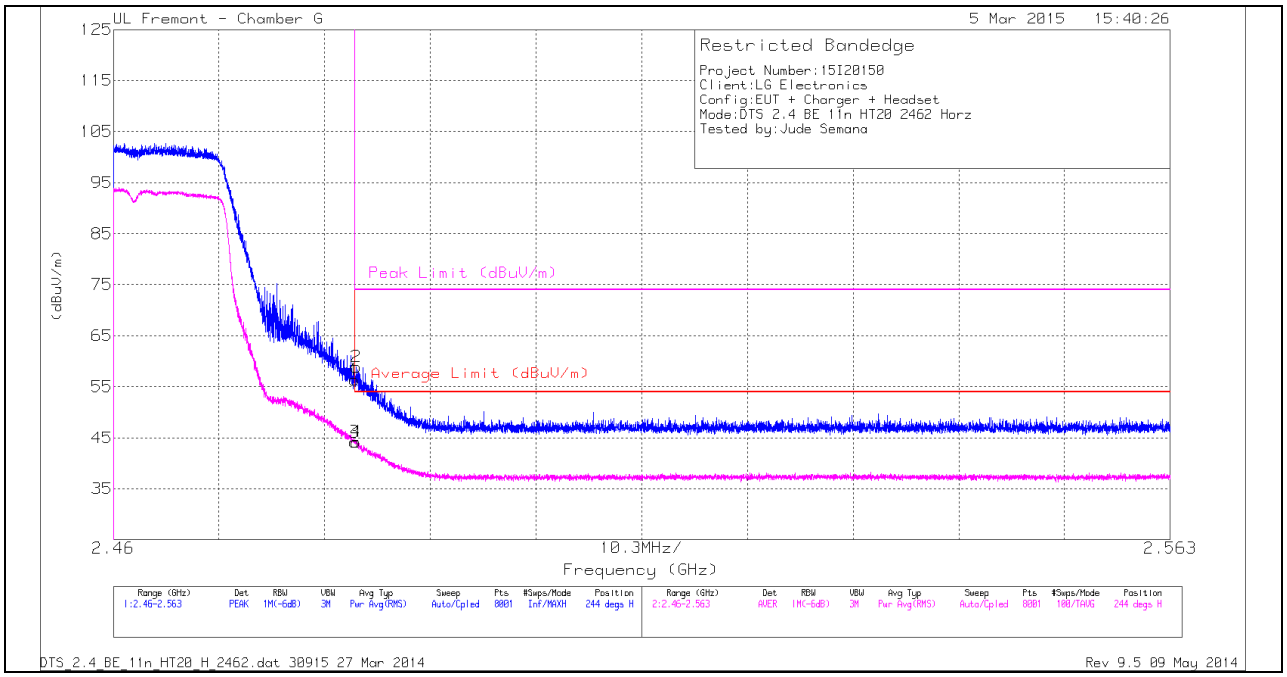


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.389	52.22	PK	31.8	-24.9	0	59.12	-	-	74	-14.88	210	363	V
1	* 2.39	50.19	PK	31.8	-24.9	0	57.09	-	-	74	-16.91	210	363	V
3	* 2.39	37.73	RMS	31.8	-24.9	.2	44.83	54	-9.17	-	-	210	363	V
4	* 2.39	38.15	RMS	31.8	-24.9	.2	45.25	54	-8.75	-	-	210	363	V

AUTHORIZED BANDEDGE (HIGH CHANNEL)

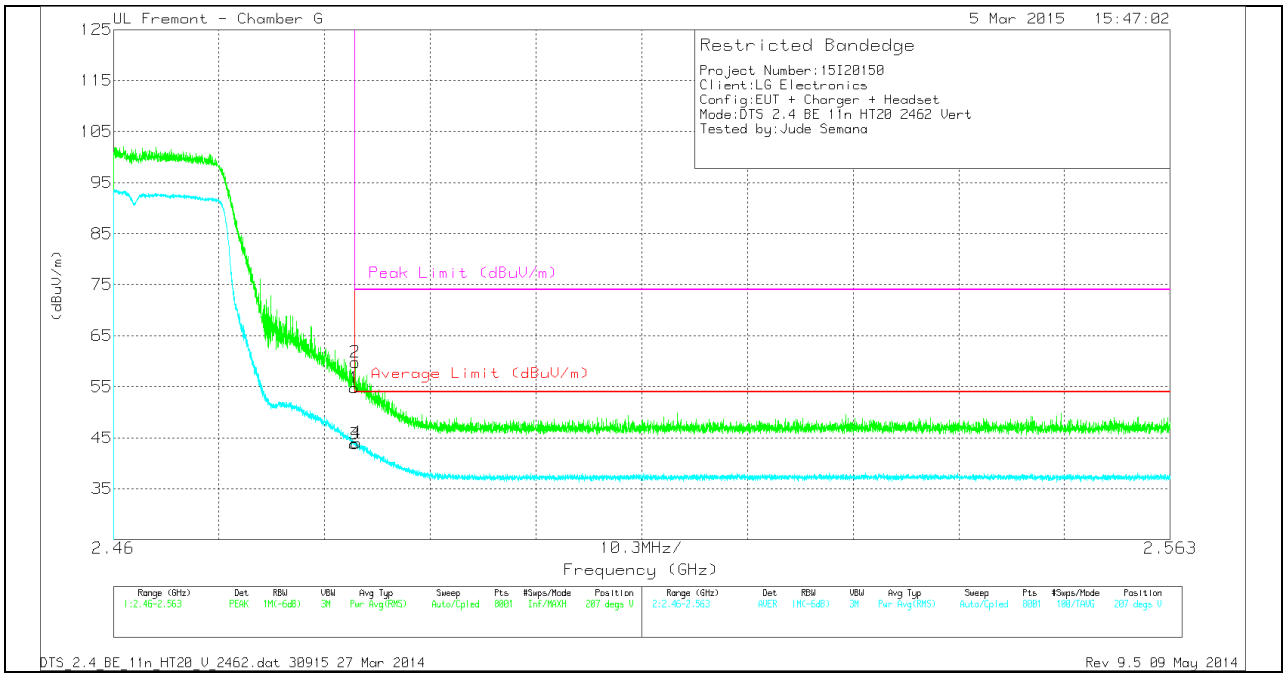
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.25	PK	32	-24.9	0	56.35	-	-	74	-17.65	244	228	H
2	* 2.484	51.76	PK	32	-24.9	0	58.86	-	-	74	-15.14	244	228	H
3	* 2.484	37.04	RMS	32	-24.9	.2	44.34	54	-9.66	-	-	244	228	H
4	* 2.484	37.12	RMS	32	-24.9	.2	44.42	54	-9.58	-	-	244	228	H

VERTICAL PEAK AND AVERAGE PLOT

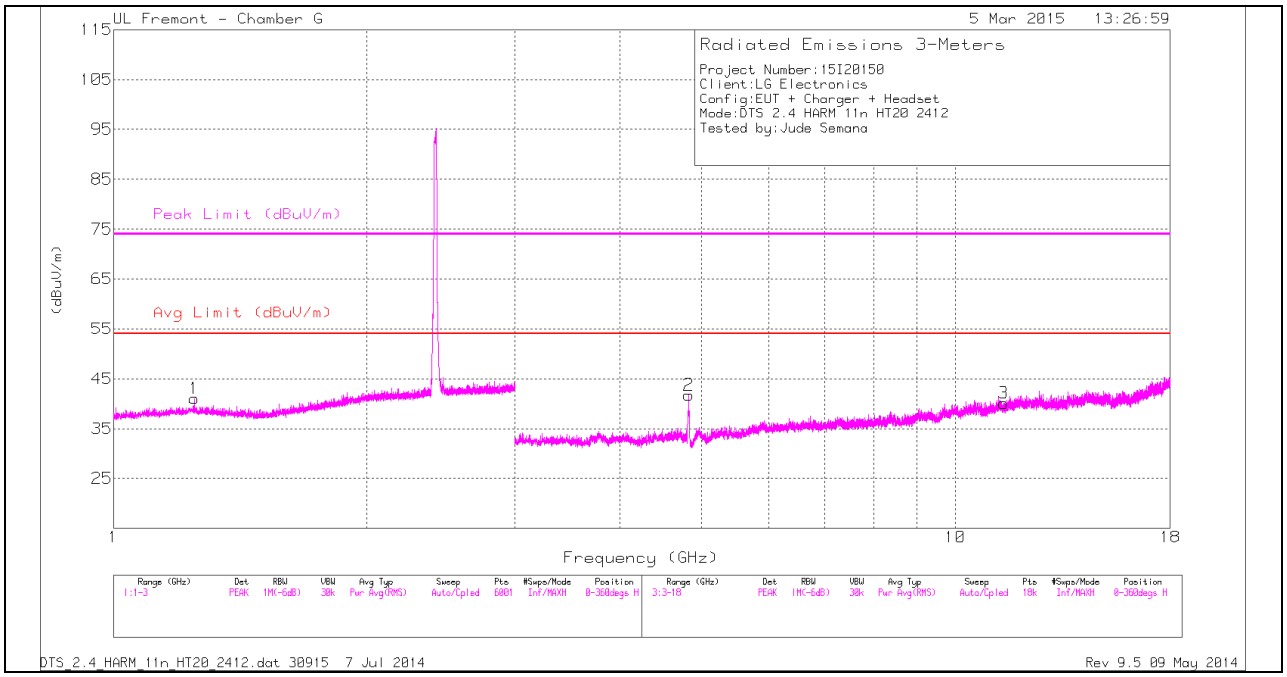


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.68	PK	32	-24.9	0	54.78	-	-	74	-19.22	207	286	V
2	* 2.484	52.71	PK	32	-24.9	0	59.81	-	-	74	-14.19	207	286	V
3	* 2.484	36.71	RMS	32	-24.9	.2	44.01	54	-9.99	-	-	207	286	V
4	* 2.484	36.87	RMS	32	-24.9	.2	44.17	54	-9.83	-	-	207	286	V

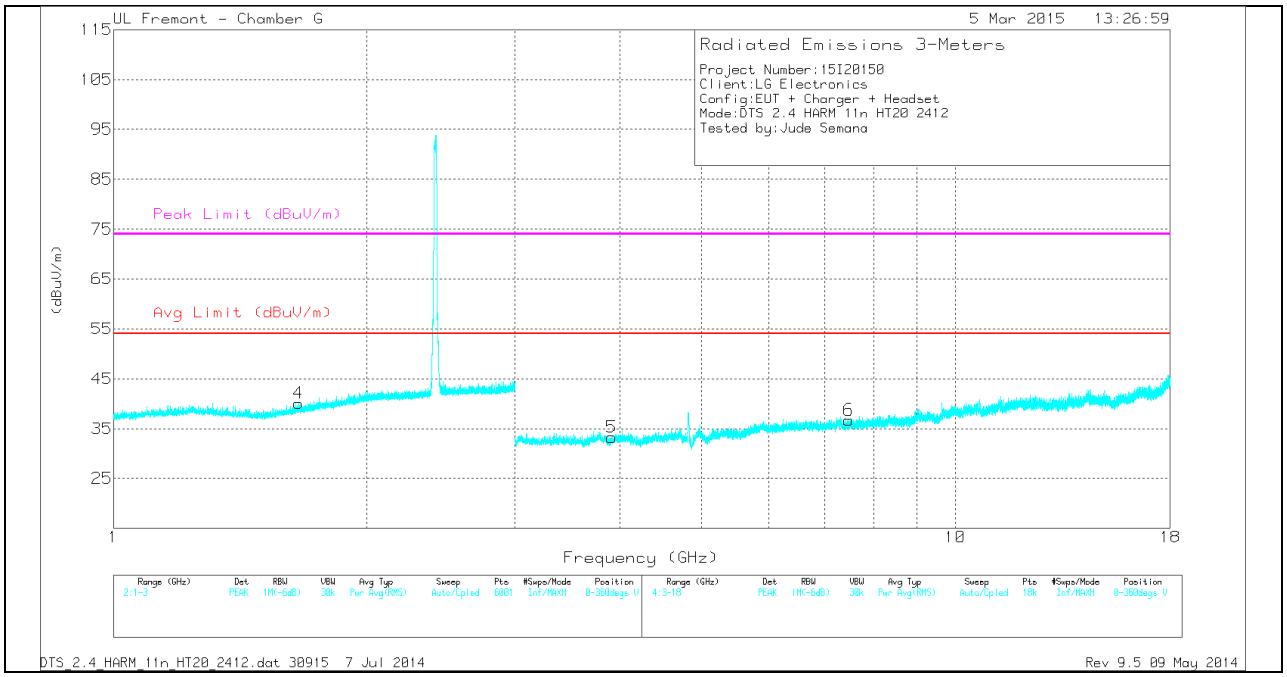
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

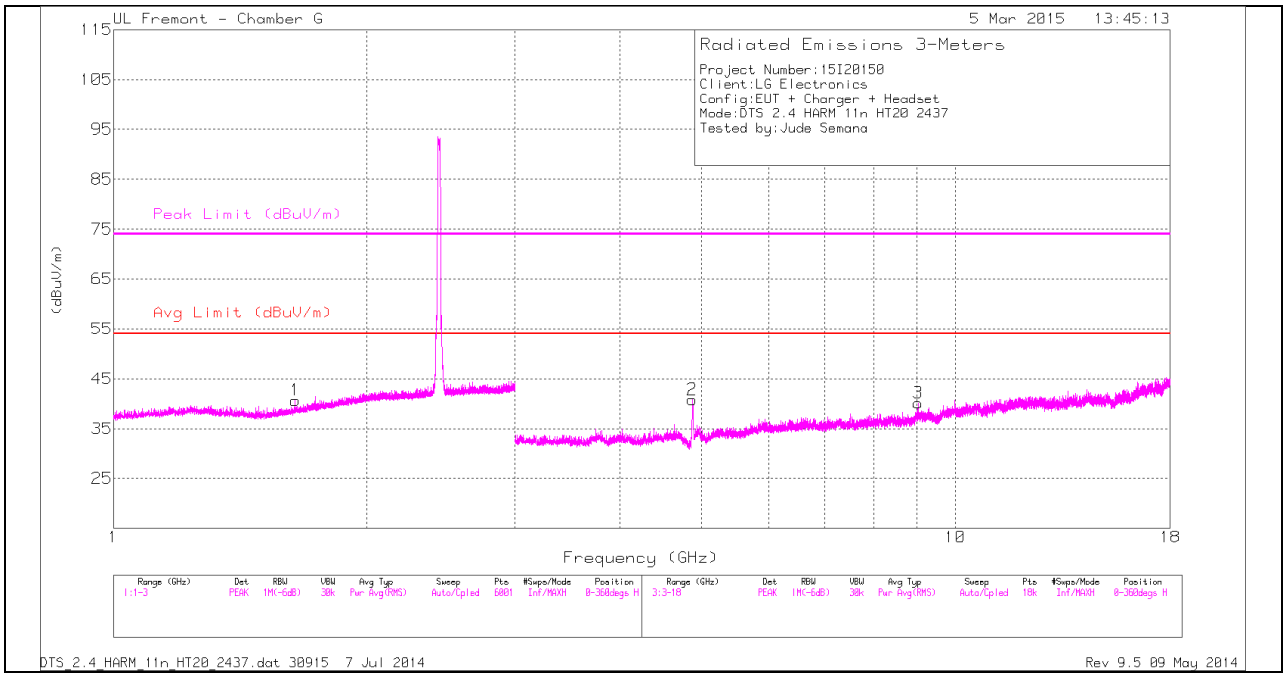
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.248	37.97	PK	29.2	-26.1	0	41.07	-	-	74	-32.93	0-360	201	H
2	* 4.825	40.62	PK	34.1	-33	0	41.72	-	-	74	-32.28	0-360	201	H
3	* 11.419	28.91	PK	38.2	-27	0	40.11	-	-	74	-33.89	0-360	101	H
5	* 3.908	33.95	PK	33.2	-33.9	0	33.25	-	-	74	-40.75	0-360	101	V
6	* 7.474	32	PK	35.6	-30.9	0	36.7	-	-	74	-37.3	0-360	201	V
4	1.659	36.47	PK	29	-25.4	0	40.07	-	-	-	-	0-360	101	V

PK - Peak detector

RADIATED EMISSIONS

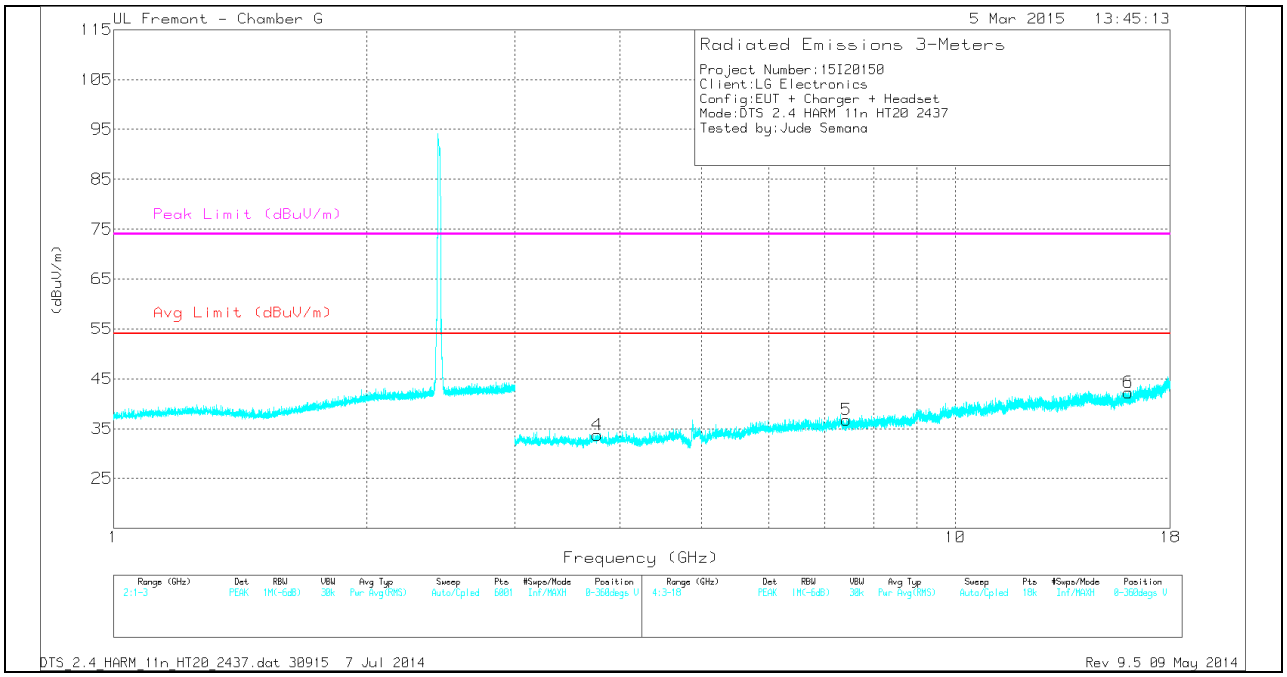
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.825	52.36	PK2	34.1	-33	0	53.46	-	-	74	-20.54	173	248	H
* 4.825	39.02	MAv1	34.1	-33	.2	40.32	54	-13.68	-	-	173	248	H

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

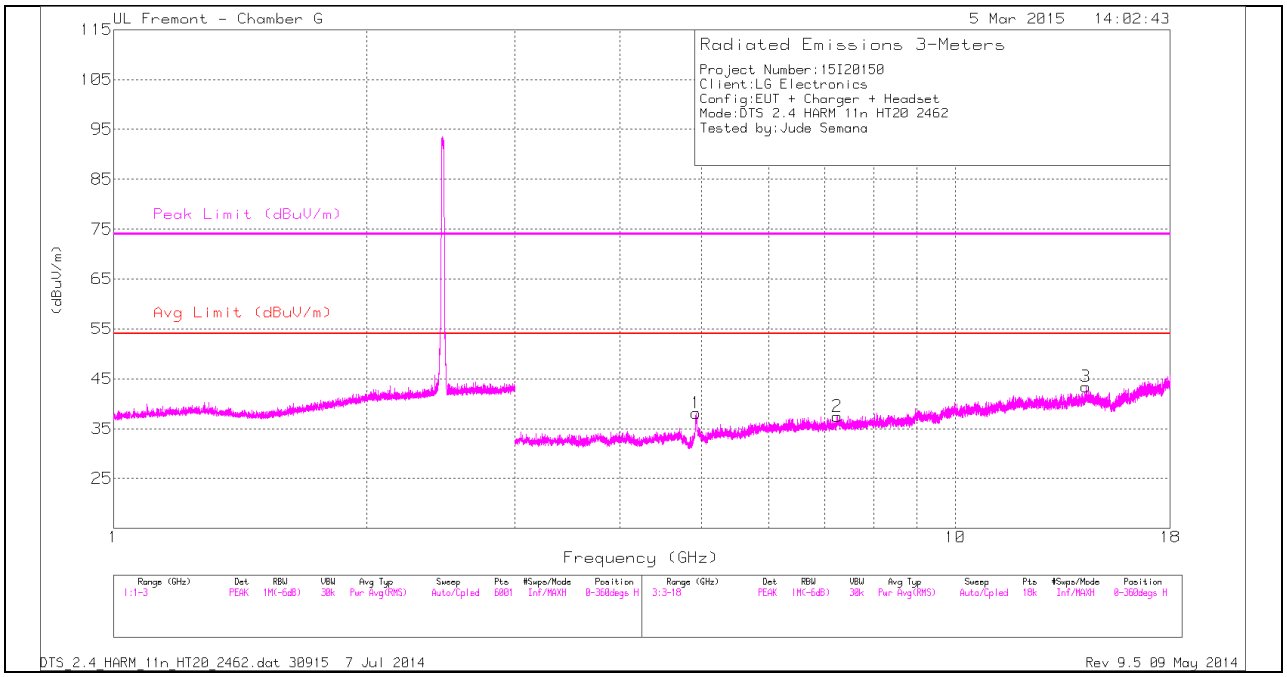
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.872	39.82	PK	34.1	-33.1	0	40.82	-	-	74	-33.18	0-360	101	H
3	* 9.034	31.96	PK	36.4	-28.2	0	40.16	-	-	74	-33.84	0-360	201	H
4	* 3.758	33.17	PK	32.9	-32.3	0	33.77	-	-	74	-40.23	0-360	201	V
5	* 7.425	32.7	PK	35.6	-31.5	0	36.8	-	-	74	-37.2	0-360	201	V
6	* 16.057	28.67	PK	40.6	-27	0	42.27	-	-	74	-31.73	0-360	201	V
1	1.645	37.17	PK	28.9	-25.4	0	40.67	-	-	-	-	0-360	100	H

PK - Peak detector

RADIATED EMISSIONS

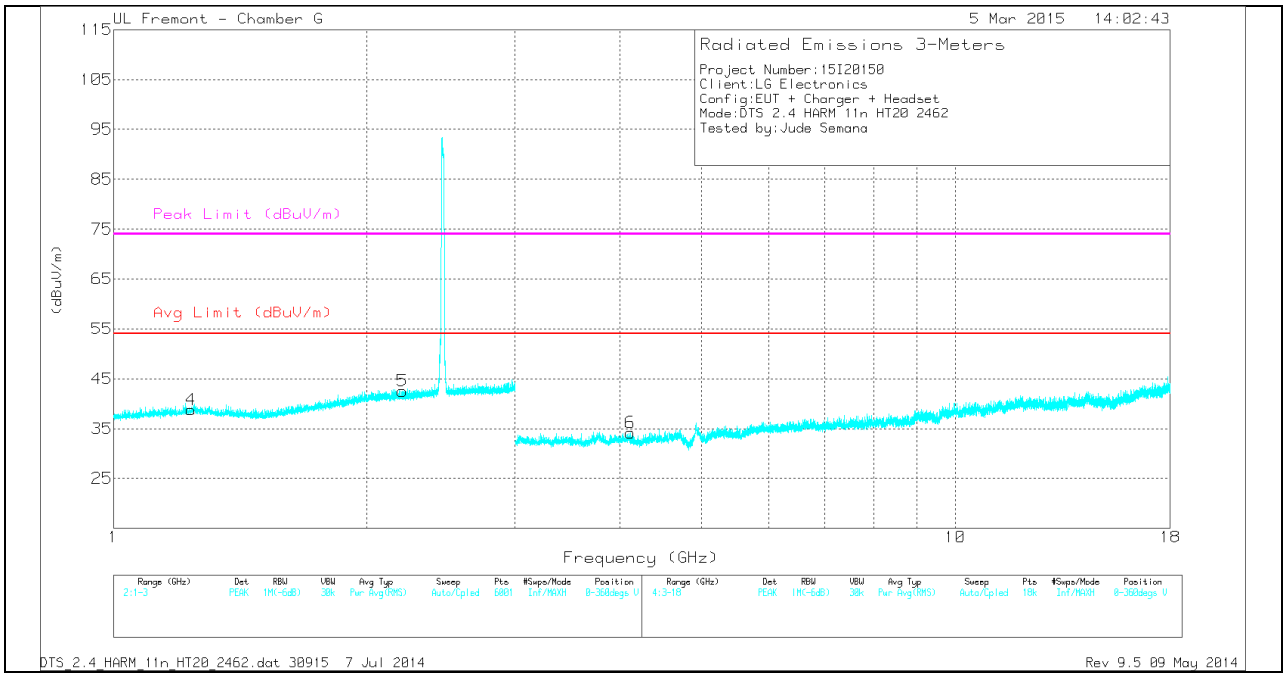
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.873	49.76	PK2	34.1	-33.1	0	50.76	-	-	74	-23.24	25	108	H
* 4.872	36.9	MAv1	34.1	-33.1	.2	38.1	54	-15.9	-	-	25	108	H

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.237	35.8	PK	29.1	-26.1	0	38.8	-	-	74	-35.2	0-360	101	V
5	* 2.205	36.16	PK	31.5	-25.1	0	42.56	-	-	74	-31.44	0-360	101	V
1	* 4.925	37.11	PK	34.1	-33.1	0	38.11	-	-	74	-35.89	0-360	101	H
6	* 4.113	34.16	PK	33.4	-33.4	0	34.16	-	-	74	-39.84	0-360	101	V
2	7.241	32.86	PK	35.6	-31	0	37.46	-	-	-	-	0-360	201	H
3	14.295	30.91	PK	39.8	-27.3	0	43.41	-	-	-	-	0-360	101	H

PK - Peak detector

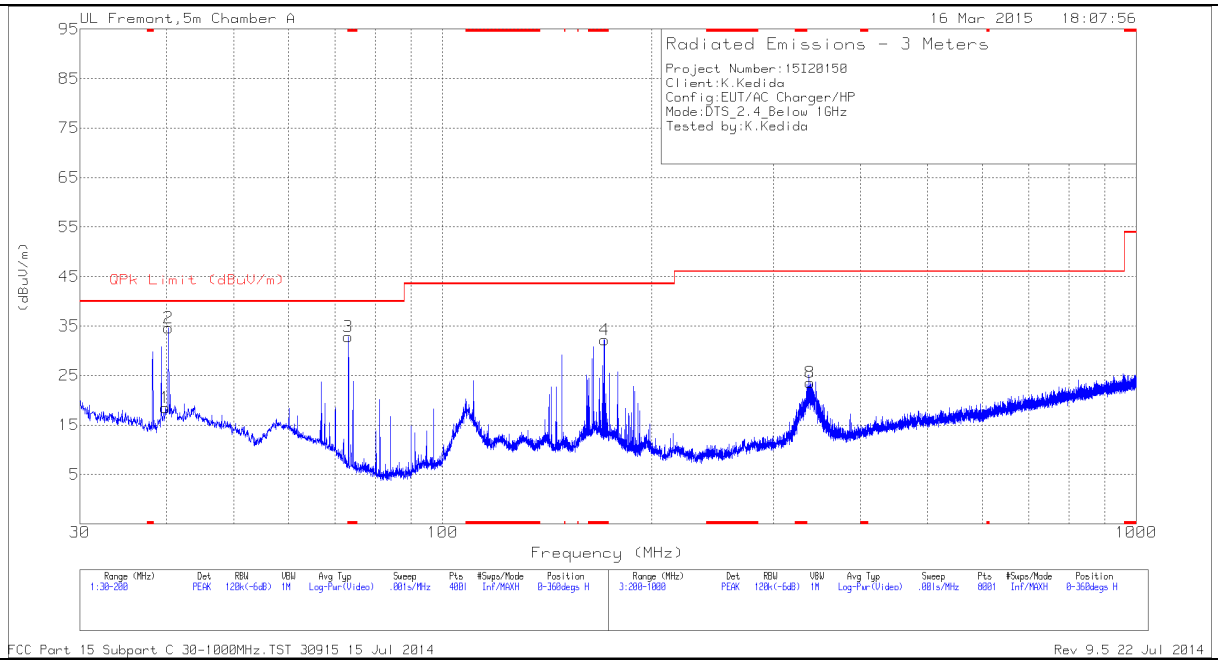
RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.925	48.37	PK2	34.1	-33.1	0	49.37	-	-	74	-24.63	21	186	H
* 4.925	35.62	MAv1	34.1	-33.1	.2	36.82	54	-17.18	-	-	21	186	H

10.3. TRANSMITTER BELOW 1 GHz

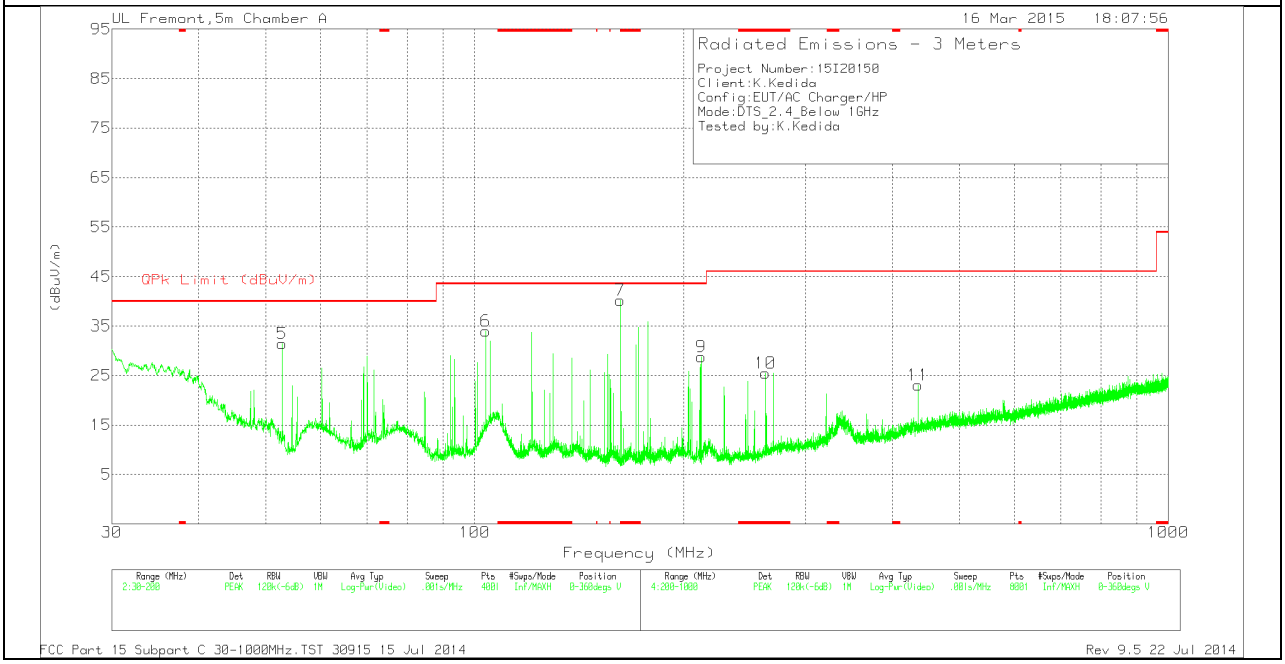
SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)

HORIZONTAL PLOT



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

VERTICAL PLOT



Below 1G Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T130 (dB/m)	Amp/Cbl (dB/m)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 73.1375	55.73	PK	7.9	-30.8	32.83	40	-7.17	0-360	101	H
4	* 171.015	50.63	PK	11.7	-30.1	32.23	43.52	-11.29	0-360	300	H
7	* 162.1325	58.52	PK	11.9	-30.2	40.22	43.52	-3.3	0-360	101	V
10	* 262.7	42.91	PK	12.2	-29.6	25.51	46.02	-20.51	0-360	101	V
1	39.86	35.33	PK	14.3	-31.1	18.53	40	-21.47	0-360	300	H
2	40.2425	51.75	PK	14	-31.1	34.65	40	-5.35	0-360	200	H
5	52.78	55.04	PK	7.3	-30.9	31.44	40	-8.56	0-360	101	V
6	103.7375	53.48	PK	11	-30.5	33.98	43.52	-9.54	0-360	101	V
9	212.1	48.25	PK	10.3	-29.8	28.75	43.52	-14.77	0-360	101	V
8	338.7	38.94	PK	13.9	-29.3	23.54	46.02	-22.48	0-360	101	H
11	435.9	35.48	PK	16.4	-28.8	23.08	46.02	-22.94	0-360	101	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector