



**FCC CFR47 PART 15 SUBPART C
C2PC CERTIFICATION TEST REPORT
FOR**

GSM/CDMA/LTE PHONE WITH BT & DTS WLAN b/g/n

MODEL NUMBER: LG-L61AL, L61AL, LGL61AL

FCC ID: ZNFL61AL

REPORT NUMBER: 16I22652-E4V1

ISSUE DATE: 1/29/2016

Prepared for
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NVLAP LAB CODE 200065-0

Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V1	1/29/2016	Initial Revision	D. CORONIA

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: LG ELECTRONICS MOBILECOMM U.S.A., INC.
EUT DESCRIPTION: GSM/CDMA/LTE PHONE WITH BT & DTS WLAN b/g/n
MODEL: LG-L61AL, L61AL, LGL61AL
SERIAL NUMBER: 601KPHG000625, 601KPPB000624
DATE TESTED: January 16-22, 2016

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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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15, and KDB 558074 D01 v03r04, ANSI C63.10-2013.

3. FACILITIES AND ACCREDITATION

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

47173 Benicia Street	47266 Benicia Street
<input checked="" type="checkbox"/> Chamber A(IC: 2324B-1)	<input type="checkbox"/> Chamber D(IC: 2324B-4)
<input type="checkbox"/> Chamber B(IC: 2324B-2)	<input type="checkbox"/> Chamber E(IC: 2324B-5)
<input checked="" type="checkbox"/> Chamber C(IC: 2324B-3)	<input type="checkbox"/> Chamber F(IC: 2324B-6)
	<input type="checkbox"/> Chamber G(IC: 2324B-7)
	<input type="checkbox"/> 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:

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

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Radiated Disturbance, 9KHz to 30 MHz	2.14 dB
Radiated Disturbance, 30 to 1000 MHz	4.98 dB
Radiated Disturbance, 1000 to 6000 MHz	3.86 dB
Radiated Disturbance, 6000 to 18000 MHz	4.23 dB
Radiated Disturbance, 18000 to 26000 MHz	5.30 dB
Radiated Disturbance, 26000 to 40000 MHz	5.23 dB

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

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/CDMA/LTE Phone with BT & DTS WLAN b/g/n.

5.2. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an FPCB antenna, with a maximum gain of 0.24 dBi.

5.3. 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 HT20 Mode: MCS0

5.4. DESCRIPTION OF TEST SETUP
SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adapter	LG	DC1507	EAD62377906	N/A
Earphone	LG	N/A	N/A	N/A

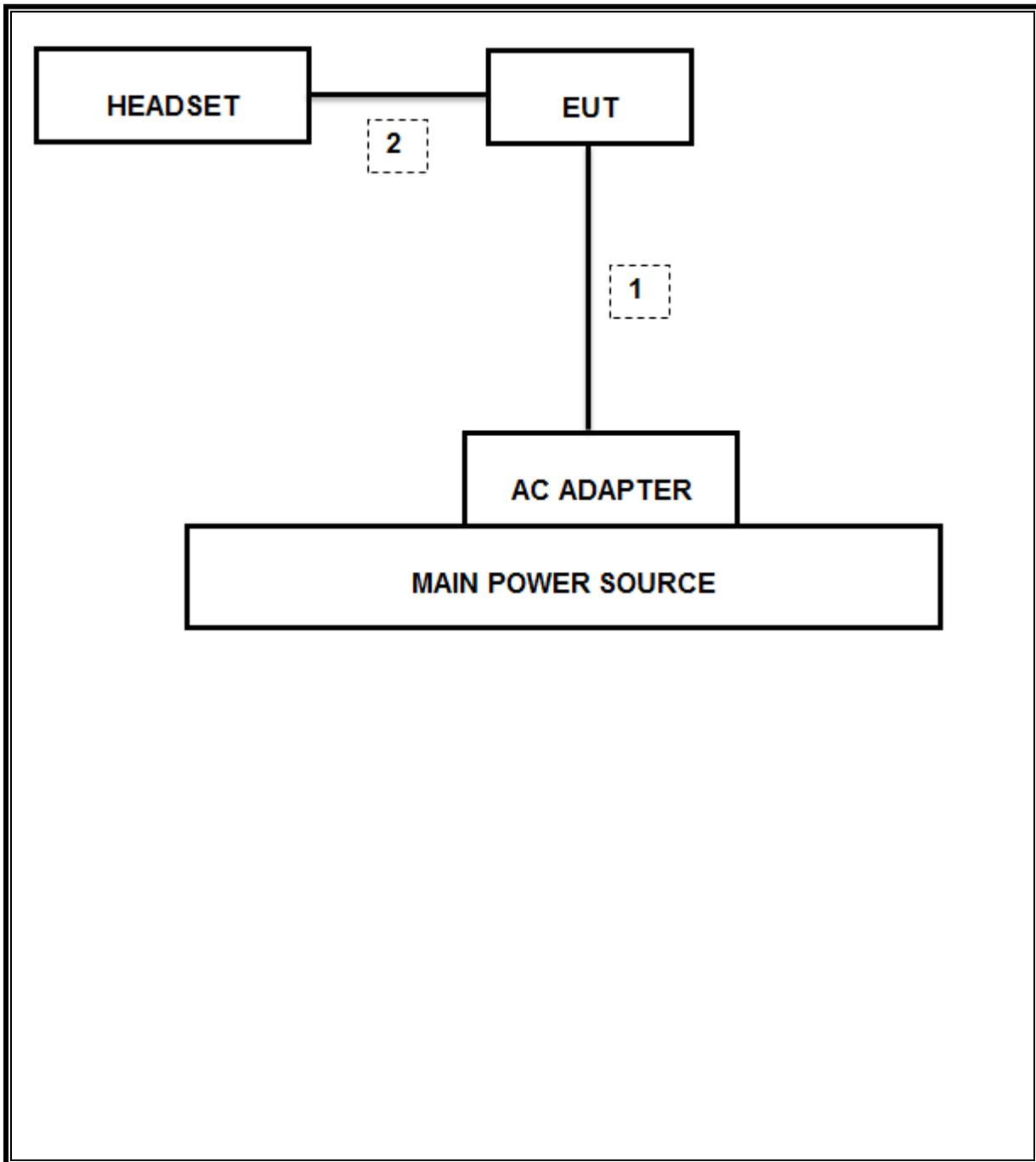
I/O CABLES

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	T Number	Cal Due
Antenna, Biconolog, 30MHz-1 GHz	Sunol Sciences	JB1	130	09/01/16
Antenna, Horn, 18GHz	ETS Lindgren	3117	345	03/03/16
Antenna, Horn, 26.5 GHz	ARA	MWH-1826/B	447	05/12/16
RF Preamplifier, 1GHz - 18GHz	Miteq	NSP4000-SP2	88	04/07/16
RF Preamplifier, 1GHz - 26.5GHz	HP	8449B	404	06/29/16
Amplifier, 10KHz to 1 GHz	Keysight	8447D	15	08/14/16
Spectrum Analyzer, PXA, 3 Hz to 44 GHz	Keysight	N9030A	907	01/06/17
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	417	05/04/16
High Pass Filter 6GHz	Micro-Tronics	HPS17542	893	04/25/16
High Pass Filter 3GHz	Micro-Tronics	HPS17543	898	04/25/16

Test Software List			
Description	Manufacturer	Model	Version
Radiated Software	UL	UL EMC	Ver 9.5, June 24, 2015

7. MEASUREMENT METHODS

On Time and Duty Cycle: KDB 558074 D01 v03r04, Section 6.0.

Out-of-band emissions in non-restricted bands: KDB 558074 D01 v03r04, Section 11.0.

Out-of-band emissions in restricted bands: KDB 558074 D01 v03r04, Section 12.1.

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-L61AL FCC Class II change description for details.

FCC Part Section	RSS Section(s)	Test Description	Test Limit	Test Condition	Test Result
15.247 (a)(2)	RSS-247 5.2.1	Occupied Band width (6dB)	>500KHz	Conducted	See Original
2.1051, 15.247 (d)	RSS-247 5.5	Band Edge / Conducted Spurious Emission	-20dBc		See Original
15.247	RSS-247 5.4.4	TX conducted output power	<30dBm		See Original
15.247	RSS-247 5.2.2	PSD	<8dBm		See Original
15.207 (a)	RSS-GEN 8.8	AC Power Line conducted emissions	Section 10	Radiated	See Original
15.205, 15.209	RSS-GEN 8.9/7	Radiated Spurious Emission	< 54dBuV/m		Pass

9. ANTENNA PORT TEST RESULTS

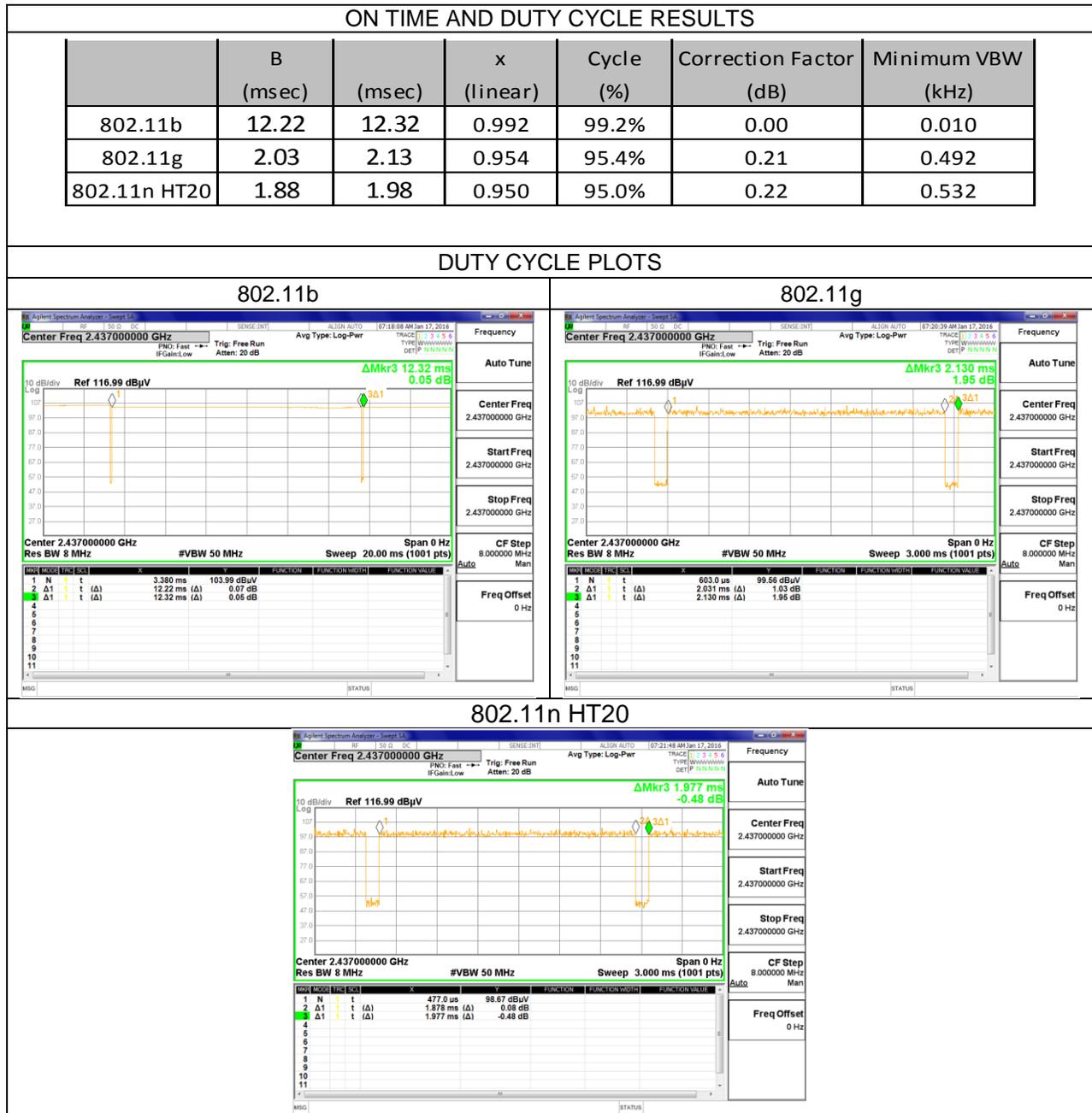
9.1. ON TIME, DUTY CYCLE AND MEASUREMENT METHODS LIMITS

None; for reporting purposes only.

PROCEDURE

KDB 789033 Zero-Span Spectrum Analyzer Method.

9.1.1. ON TIME AND DUTY CYCLE RESULTS



10. RADIATED TEST RESULTS

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 for below 1GHz and 150cm for above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

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, then the video bandwidth is set to 1 MHz for peak measurements and add duty cycle factor for average measurements. Duty cycle factor = $10 \log (1/x)$.

The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

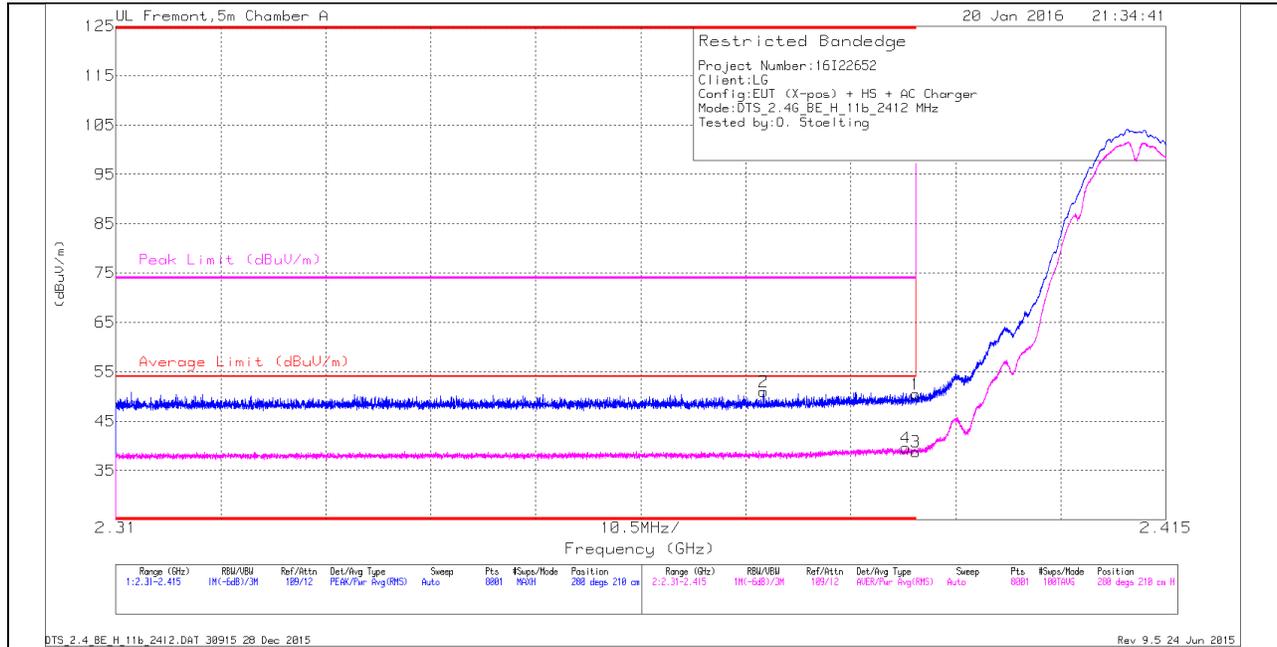
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

10.1. TRANSMITTER ABOVE 1 GHz

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

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DTA

Trace Markers

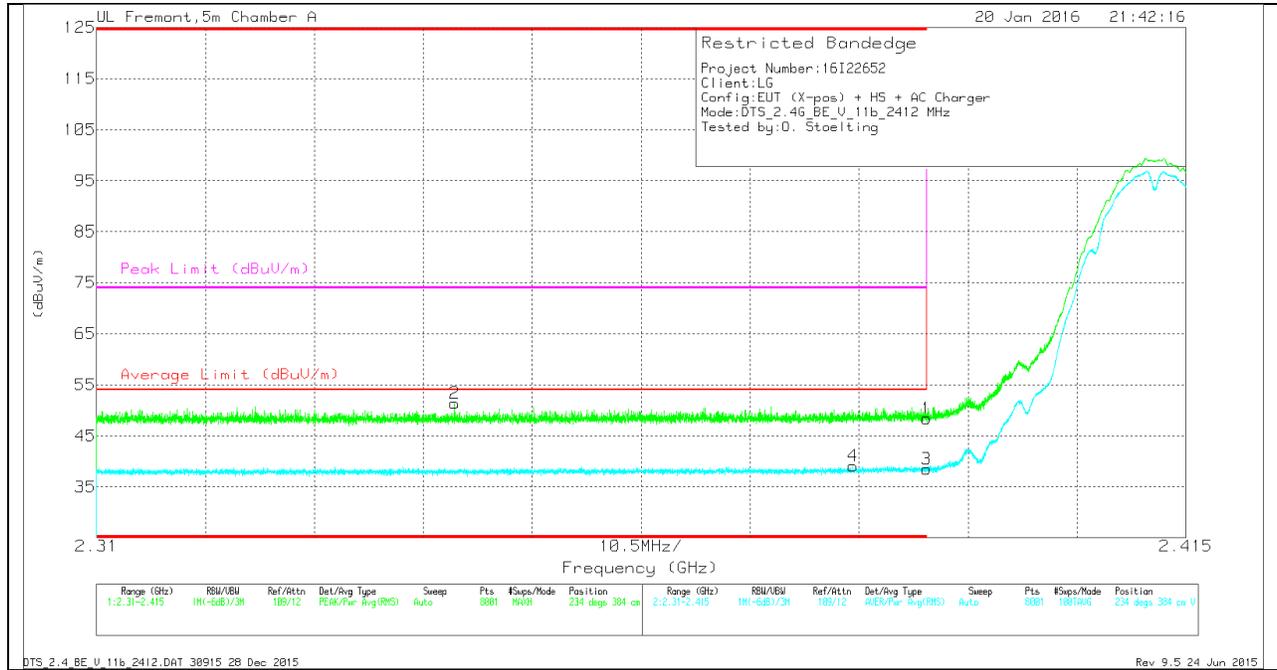
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.36	Pk	32	-19.9	0	50.46	-	-	74	-23.54	280	210	H
2	* 2.375	38.88	Pk	31.9	-19.8	0	50.98	-	-	74	-23.02	280	210	H
3	* 2.39	26.66	RMS	32	-19.9	0	38.76	54	-15.24	-	-	280	210	H
4	* 2.389	27.5	RMS	32	-19.9	0	39.6	54	-14.4	-	-	280	210	H

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.345	39.26	Pk	31.9	-19.8	0	51.36	-	-	74	-22.64	234	384	V
4	* 2.383	27.08	RMS	31.9	-19.9	0	39.08	54	-14.92	-	-	234	384	V
1	* 2.39	36.31	Pk	32	-19.9	0	48.41	-	-	74	-25.59	234	384	V
3	* 2.39	26.38	RMS	32	-19.9	0	38.48	54	-15.52	-	-	234	384	V

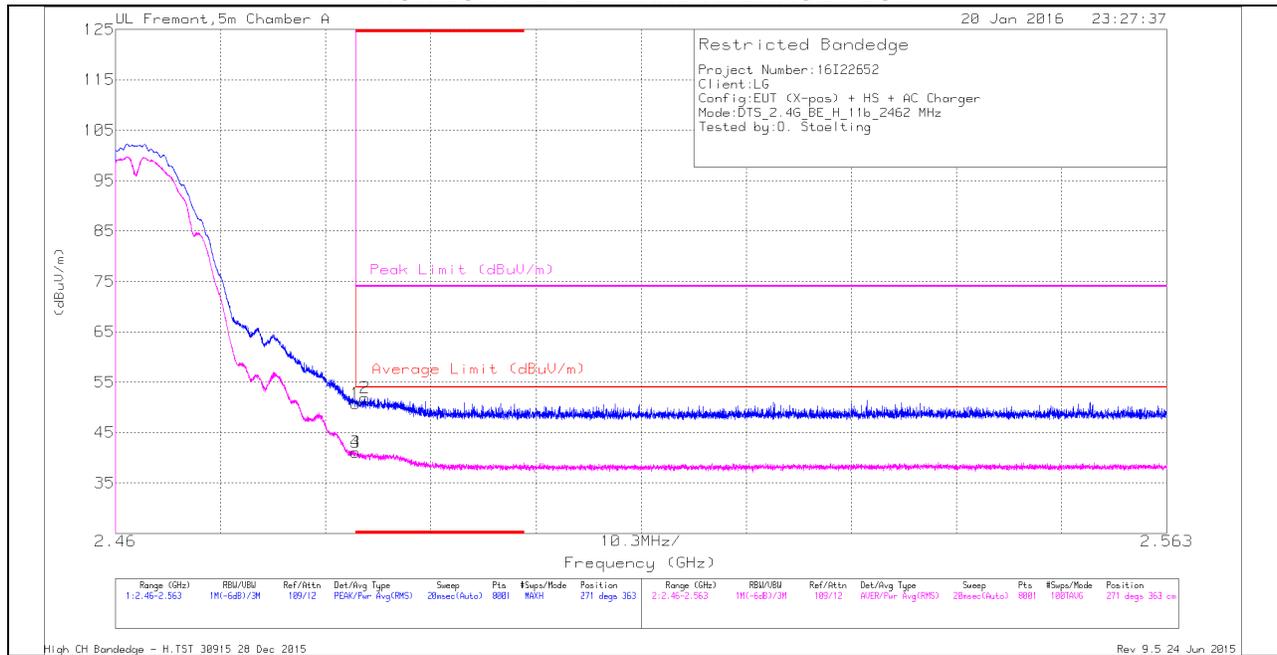
* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

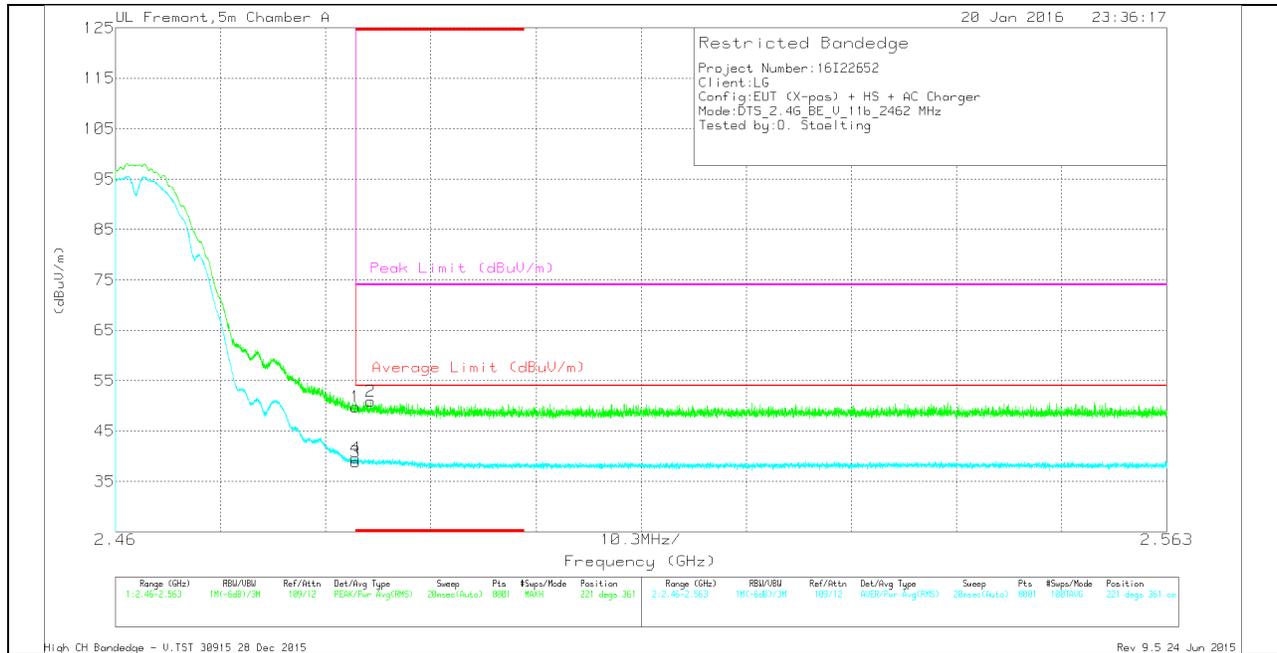
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.65	Pk	32.1	-20	0	50.75	-	-	74	-23.25	271	363	H
2	* 2.484	39.81	Pk	32.1	-20	0	51.91	-	-	74	-22.09	271	363	H
3	* 2.484	28.99	RMS	32.1	-20	0	41.09	54	-12.91	-	-	271	363	H
4	* 2.484	29.01	RMS	32.1	-20	0	41.11	54	-12.89	-	-	271	363	H

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	37.75	Pk	32.1	-20	0	49.85	-	-	74	-24.15	221	361	V
3	* 2.484	26.78	RMS	32.1	-20	0	38.88	54	-15.12	-	-	221	361	V
4	* 2.484	27.56	RMS	32.1	-20	0	39.66	54	-14.34	-	-	221	361	V
2	* 2.485	38.76	Pk	32.1	-20	0	50.86	-	-	74	-23.14	221	361	V

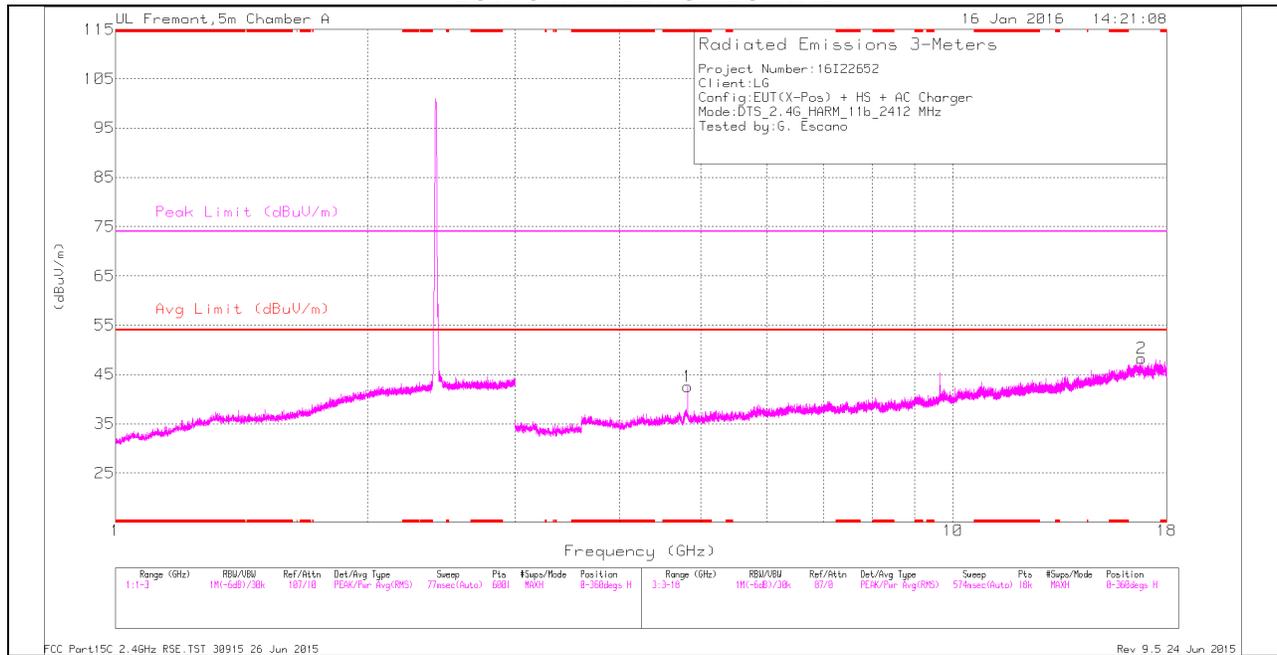
* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

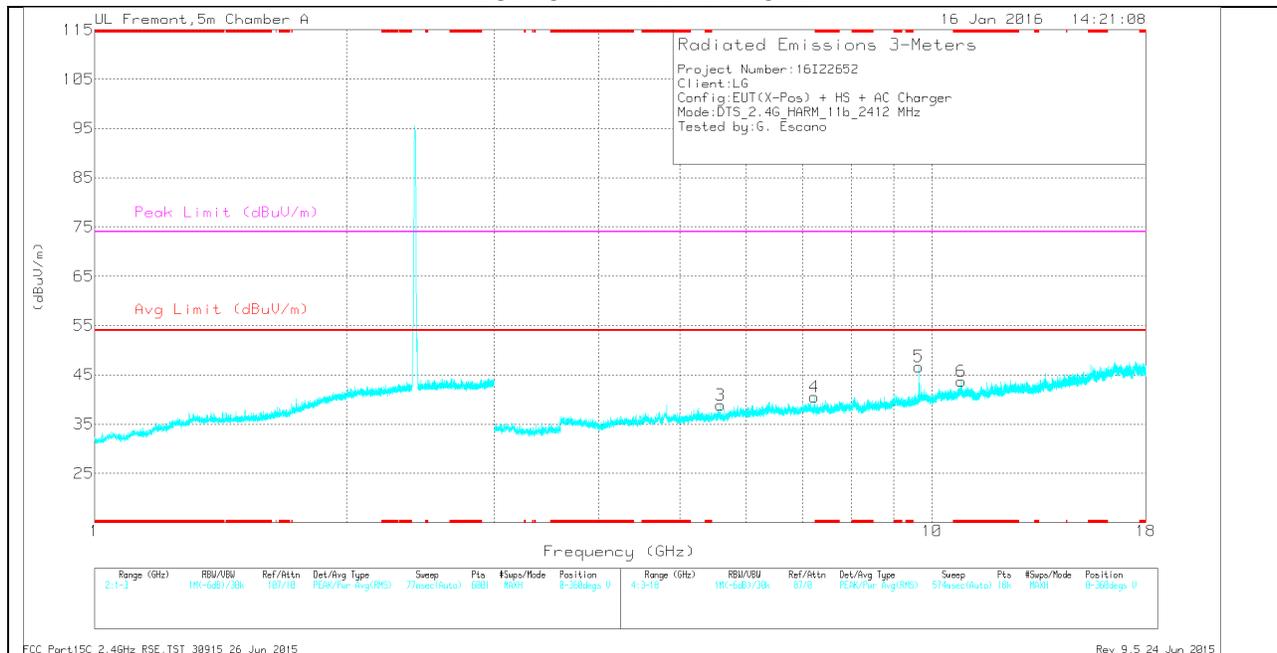
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



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

LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.824	38.23	Pk	33.9	-29.6	0	42.53	-	-	74	-31.47	0-360	101	H
6	* 10.832	27.53	Pk	37.8	-21.6	0	43.73	-	-	74	-30.27	0-360	200	V
3	5.593	33.67	Pk	34.5	-29.3	0	38.87	-	-	-	-	0-360	200	V
4	7.236	31.62	Pk	35.5	-26.6	0	40.52	-	-	-	-	0-360	100	V
5	9.647	33.48	Pk	36.7	-23.5	0	46.68	-	-	-	-	0-360	100	V
2	16.804	28.72	Pk	41.8	-22.3	0	48.22	-	-	-	-	0-360	201	H

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

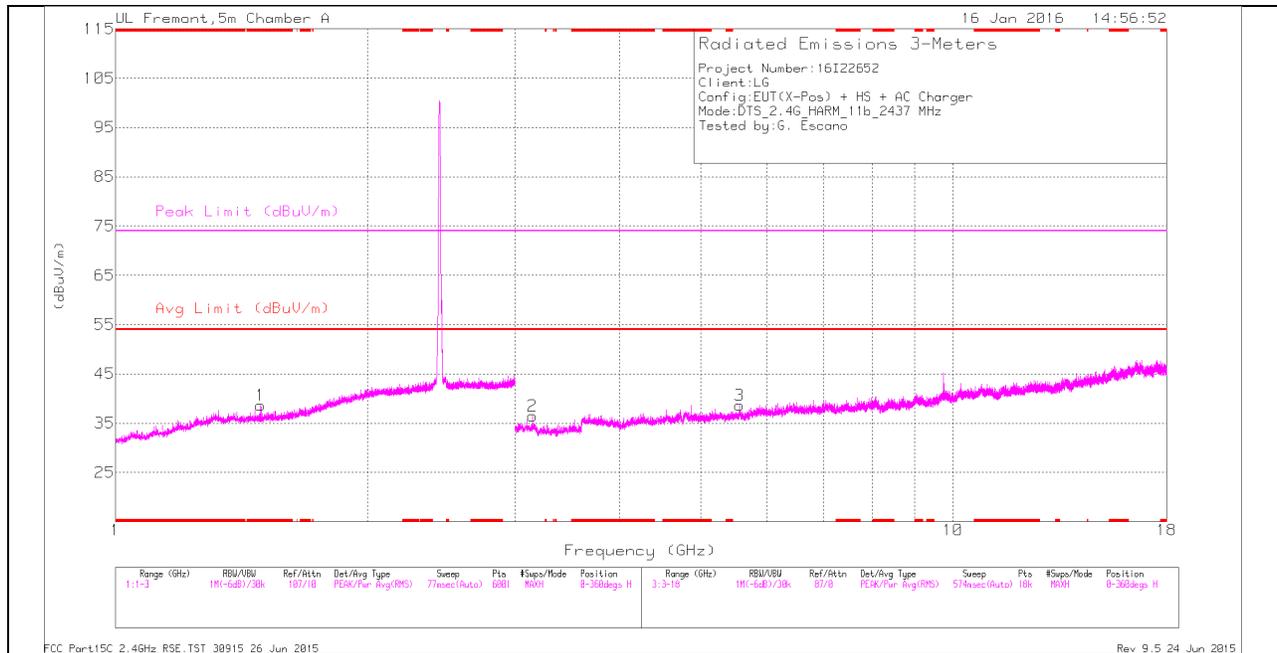
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.824	44.54	PK2	33.9	-29.6	0	48.84	-	-	74	-25.16	161	135	H
* 4.824	36.63	MAv1	33.9	-29.6	0	40.93	54	-13.07	-	-	161	135	H
* 10.833	34.99	PK2	37.8	-21.6	0	51.19	-	-	74	-22.81	89	201	V
* 10.832	22.93	MAv1	37.8	-21.6	0	39.13	54	-14.87	-	-	89	201	V
5.594	40.4	PK2	34.5	-29.3	0	45.6	-	-	74	-28.4	277	185	V
7.238	39.18	PK2	35.5	-26.6	0	48.08	-	-	74	-25.92	357	100	V
9.648	38.93	PK2	36.7	-23.4	0	52.23	-	-	74	-21.77	168	100	V
16.804	35.48	PK2	41.8	-22.3	0	54.98	-	-	74	-19.02	72	202	H

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

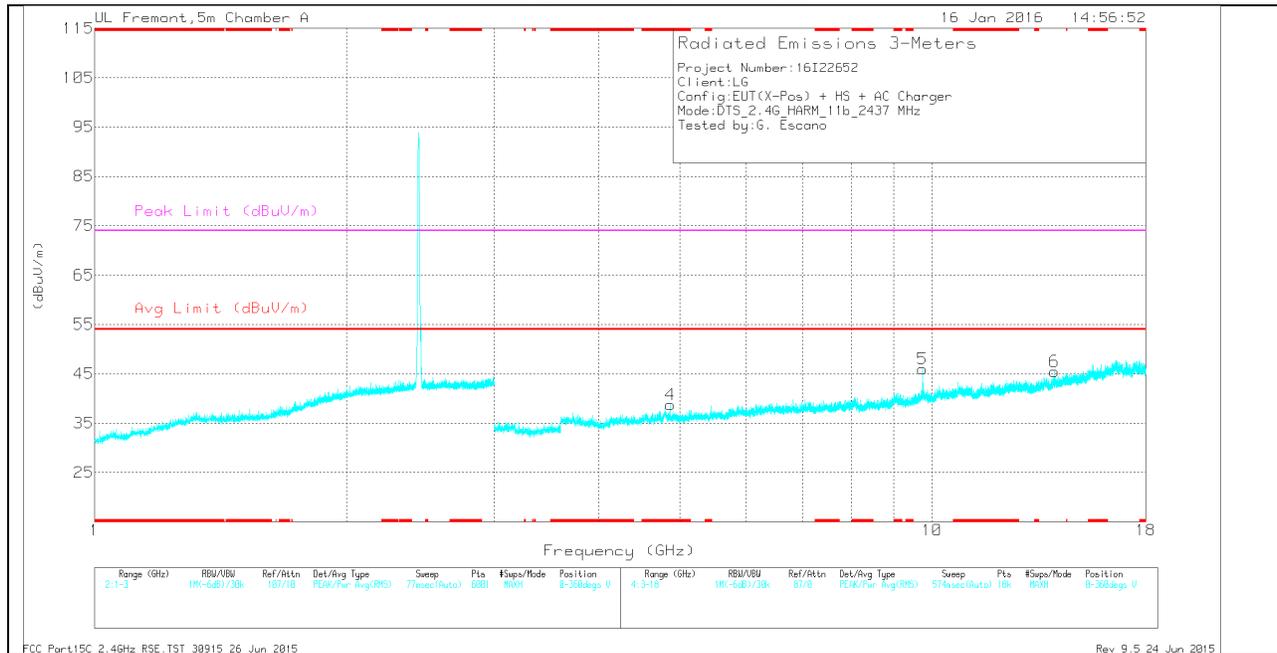
MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL



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

MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr /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	* 1.491	30.91	Pk	28.1	-20.4	0	38.61	-	-	74	-35.39	0-360	201	H
4	* 4.874	34.13	Pk	33.9	-29.3	0	38.73	-	-	74	-35.27	0-360	100	V
2	3.147	35.29	Pk	32.8	-31.6	0	36.49	-	-	-	-	0-360	201	H
3	5.561	32.97	Pk	34.5	-28.9	0	38.57	-	-	-	-	0-360	100	H
5	9.748	32.1	Pk	36.9	-23	0	46	-	-	-	-	0-360	100	V
6	14.009	28.44	Pk	38.7	-21.7	0	45.44	-	-	-	-	0-360	200	V

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

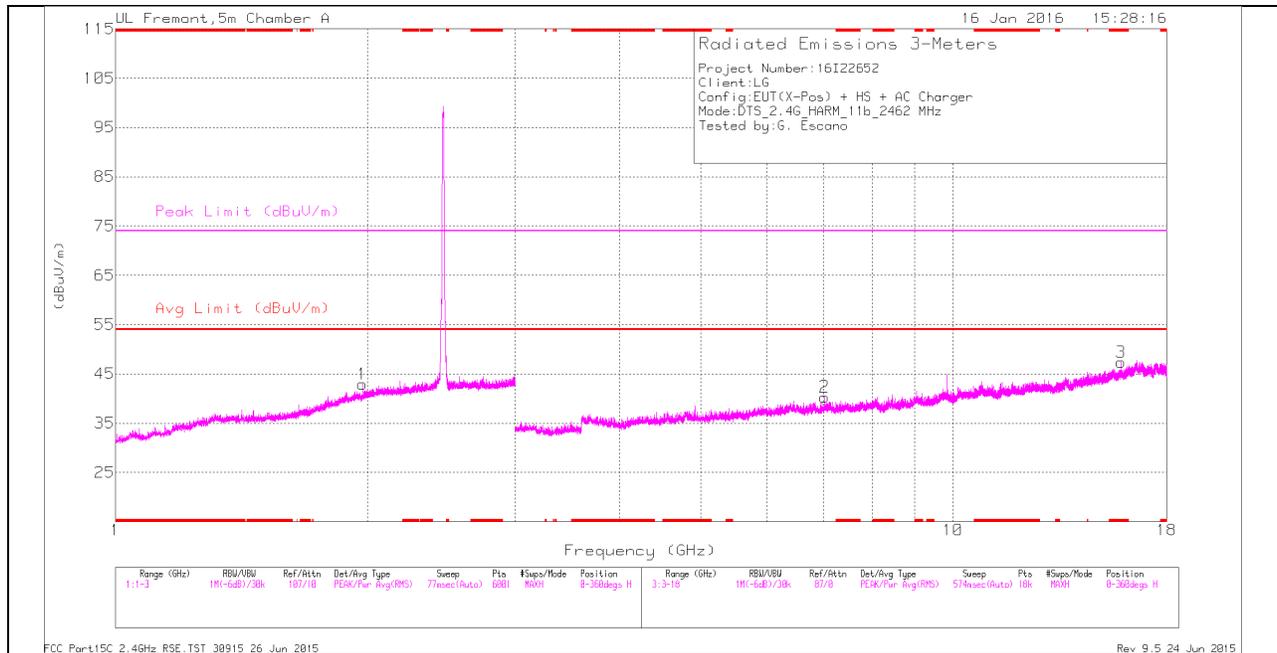
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.49	37.23	PK2	28.1	-20.4	0	44.93	-	-	74	-29.07	99	191	H
* 1.491	24.69	MAv1	28.1	-20.4	0	32.39	54	-21.61	-	-	99	191	H
* 4.874	41.88	PK2	33.9	-29.3	0	46.48	-	-	74	-27.52	47	109	V
* 4.874	32.64	MAv1	33.9	-29.3	0	37.24	54	-16.76	-	-	47	109	V
3.146	41.81	PK2	32.8	-31.6	0	43.01	-	-	74	-30.99	31	202	H
5.562	40	PK2	34.5	-28.9	0	45.6	-	-	74	-28.4	5	100	H
9.748	38.3	PK2	36.9	-23	0	52.2	-	-	74	-21.8	64	103	V
14.008	34.86	PK2	38.7	-21.7	0	51.86	-	-	74	-22.14	116	201	V

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

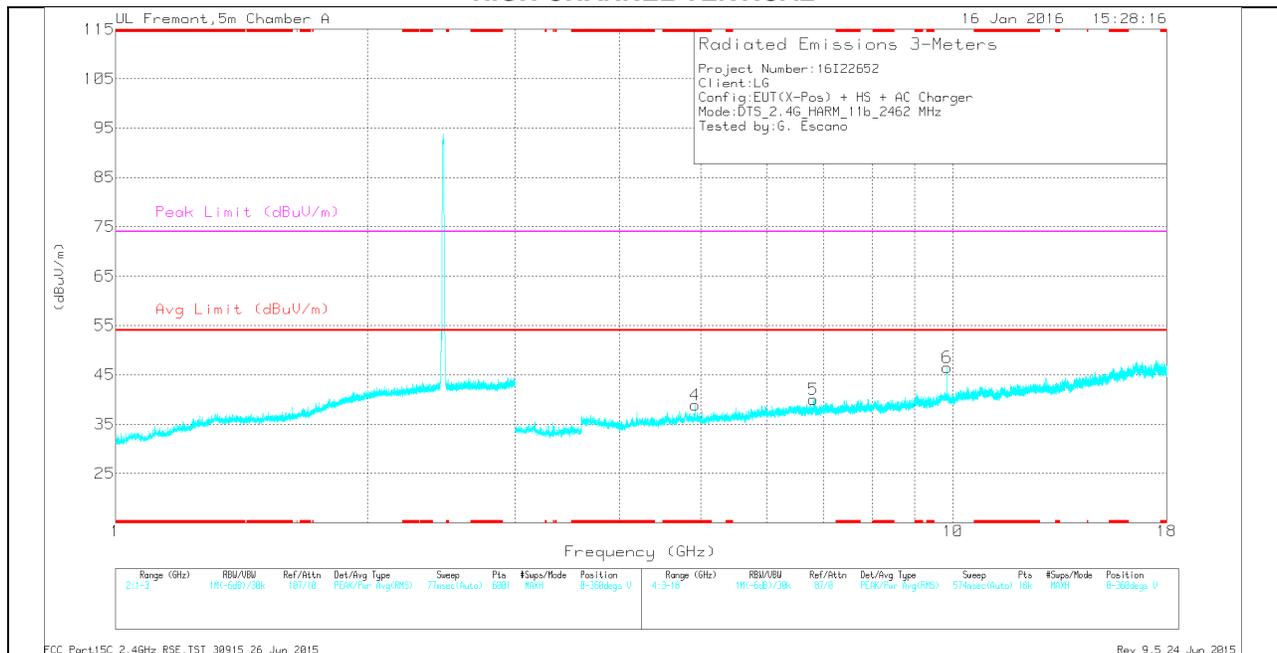
MAv1 - KDB558074 Option 1 Maximum RMS Average

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 T136 (dB/m)	Amp/Cb/Ftr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 15.865	28.09	Pk	40.7	-21.4	0	47.39	-	-	74	-26.61	0-360	201	H
4	* 4.924	34.32	Pk	33.9	-29.3	0	38.92	-	-	74	-35.08	0-360	100	V
1	1.972	31.48	Pk	31	-19.6	0	42.88	-	-	-	-	0-360	100	H
5	6.811	30.47	Pk	35.6	-26	0	40.07	-	-	-	-	0-360	200	V
2	7.023	31.23	Pk	35.6	-26.5	0	40.33	-	-	-	-	0-360	100	H
6	9.848	32.17	Pk	37	-22.7	0	46.47	-	-	-	-	0-360	100	V

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 15.864	35.52	PK2	40.7	-21.4	0	54.82	-	-	74	-19.18	33	202	H
* 15.865	23.54	MAv1	40.7	-21.4	0	42.84	54	-11.16	-	-	33	202	H
* 4.924	42.8	PK2	33.9	-29.3	0	47.4	-	-	74	-26.6	29	100	V
* 4.924	33.54	MAv1	33.9	-29.3	0	38.14	54	-15.86	-	-	29	100	V
1.972	36.89	PK2	31	-19.6	0	48.29	-	-	74	-25.71	162	100	H
6.813	36.85	PK2	35.6	-26	0	46.45	-	-	74	-27.55	115	201	V
7.022	37.23	PK2	35.6	-26.5	0	46.33	-	-	74	-27.67	109	156	H
9.848	38.13	PK2	37	-22.7	0	52.43	-	-	74	-21.57	67	100	V

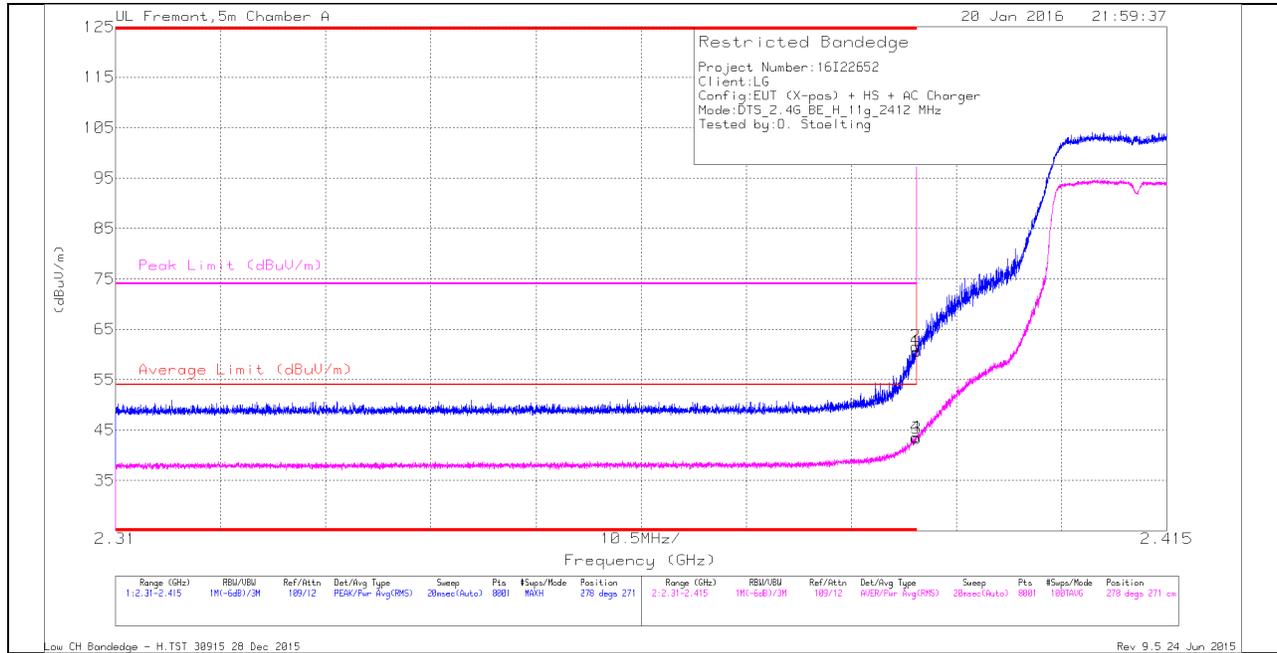
* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

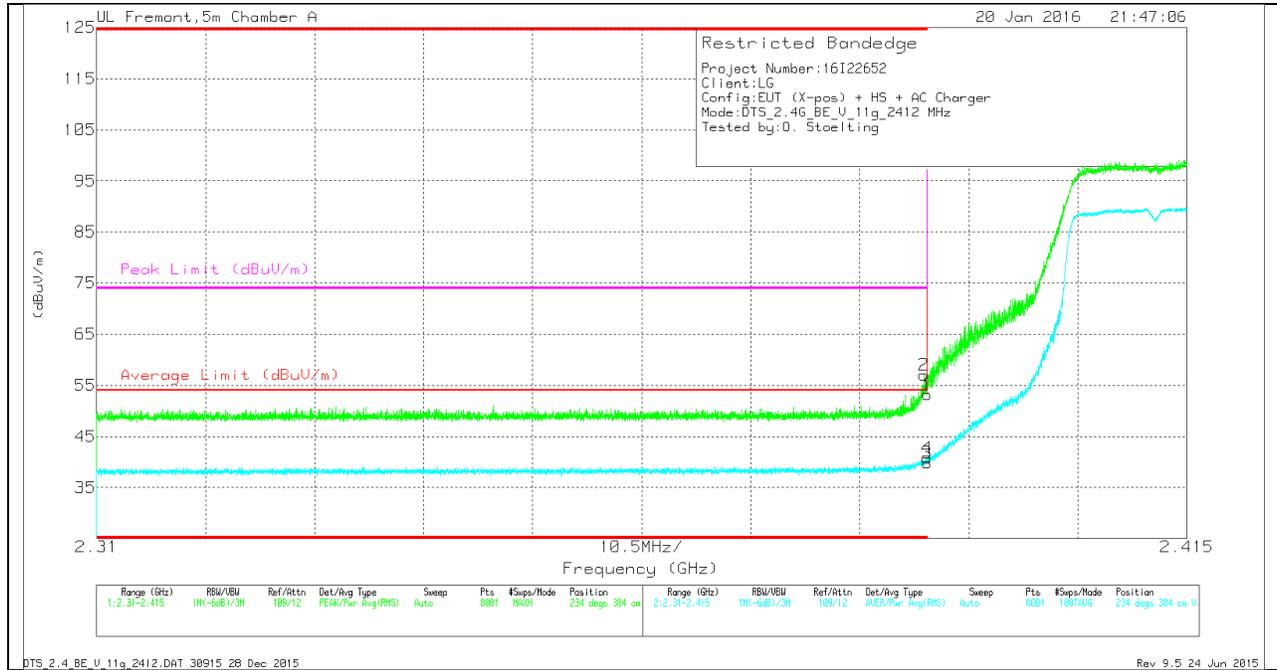
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	48.5	Pk	32	-19.9	0	60.6	-	-	74	-13.4	278	271	H
2	* 2.39	49.55	Pk	32	-19.9	0	61.65	-	-	74	-12.35	278	271	H
3	* 2.39	31.19	RMS	32	-19.9	0.21	43.50	54	-10.50	-	-	278	271	H
4	* 2.39	31.51	RMS	32	-19.9	0.21	43.82	54	-10.17	-	-	278	271	H

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/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	41.07	Pk	32	-19.9	0	53.17	-	-	74	-20.83	234	384	V
2	* 2.39	44.93	Pk	32	-19.9	0	57.03	-	-	74	-16.97	234	384	V
3	* 2.39	27.52	RMS	32	-19.9	.21	39.83	54	-14.17	-	-	234	384	V
4	* 2.39	28.5	RMS	32	-19.9	.21	40.81	54	-13.19	-	-	234	384	V

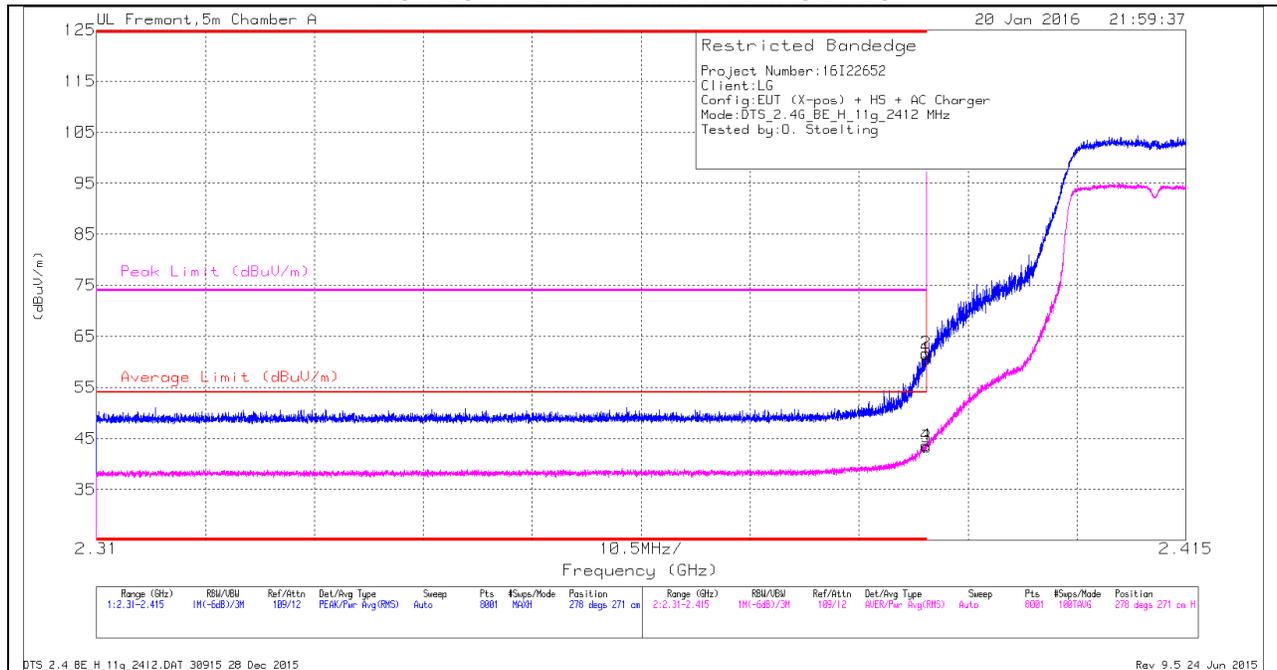
* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

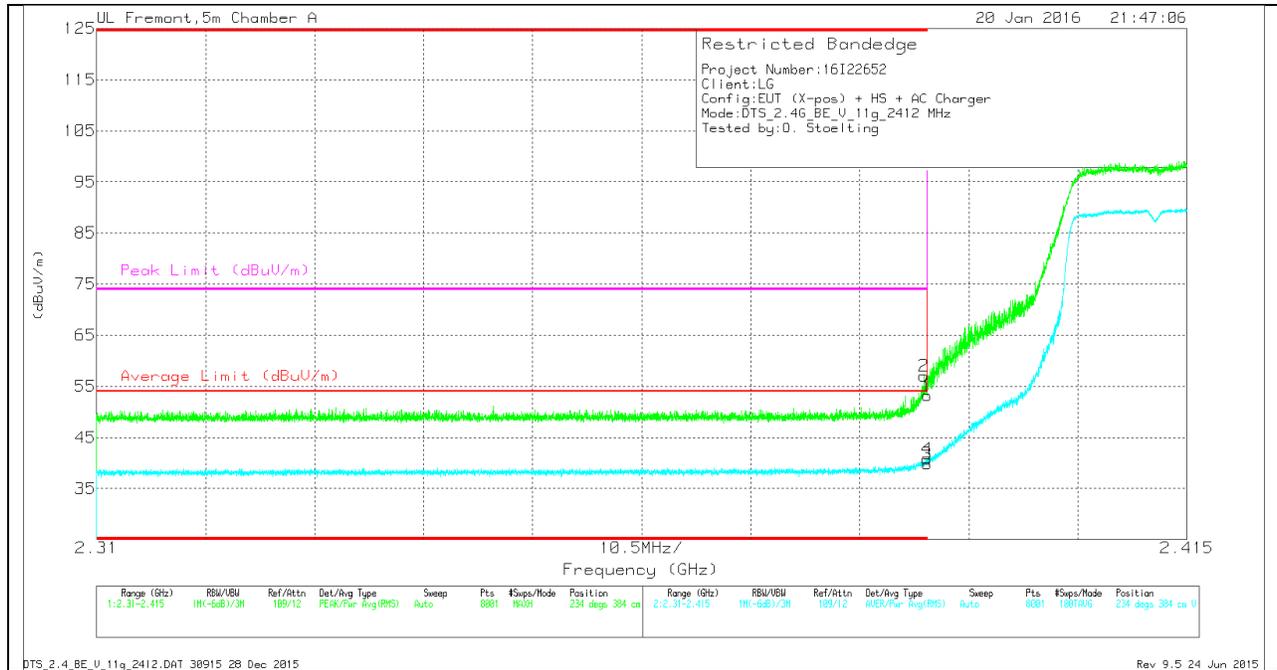
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	48.5	Pk	32	-19.9	0	60.6	-	-	74	-13.4	278	271	H
2	* 2.39	49.55	Pk	32	-19.9	0	61.65	-	-	74	-12.35	278	271	H
3	* 2.39	31.19	RMS	32	-19.9	.21	43.5	54	-10.5	-	-	278	271	H
4	* 2.39	31.51	RMS	32	-19.9	.21	43.82	54	-10.18	-	-	278	271	H

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fitr/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	41.07	Pk	32	-19.9	0	53.17	-	-	74	-20.83	234	384	V
2	* 2.39	44.93	Pk	32	-19.9	0	57.03	-	-	74	-16.97	234	384	V
3	* 2.39	27.52	RMS	32	-19.9	.21	39.83	54	-14.17	-	-	234	384	V
4	* 2.39	28.5	RMS	32	-19.9	.21	40.81	54	-13.19	-	-	234	384	V

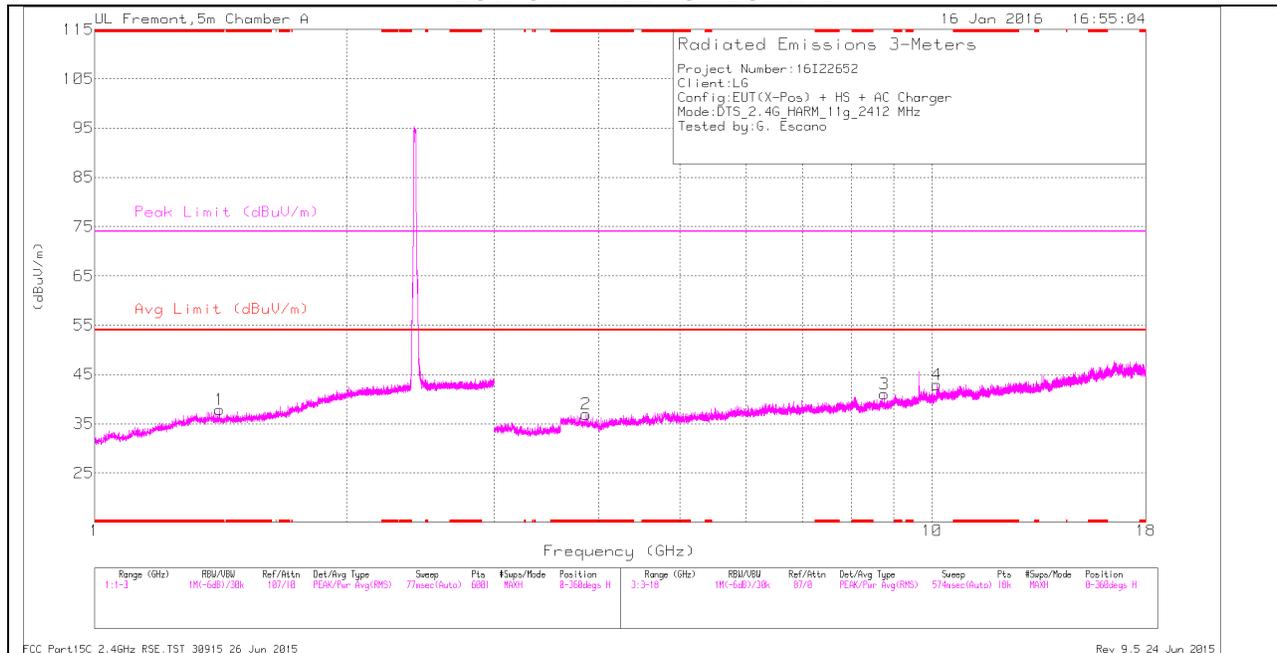
* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

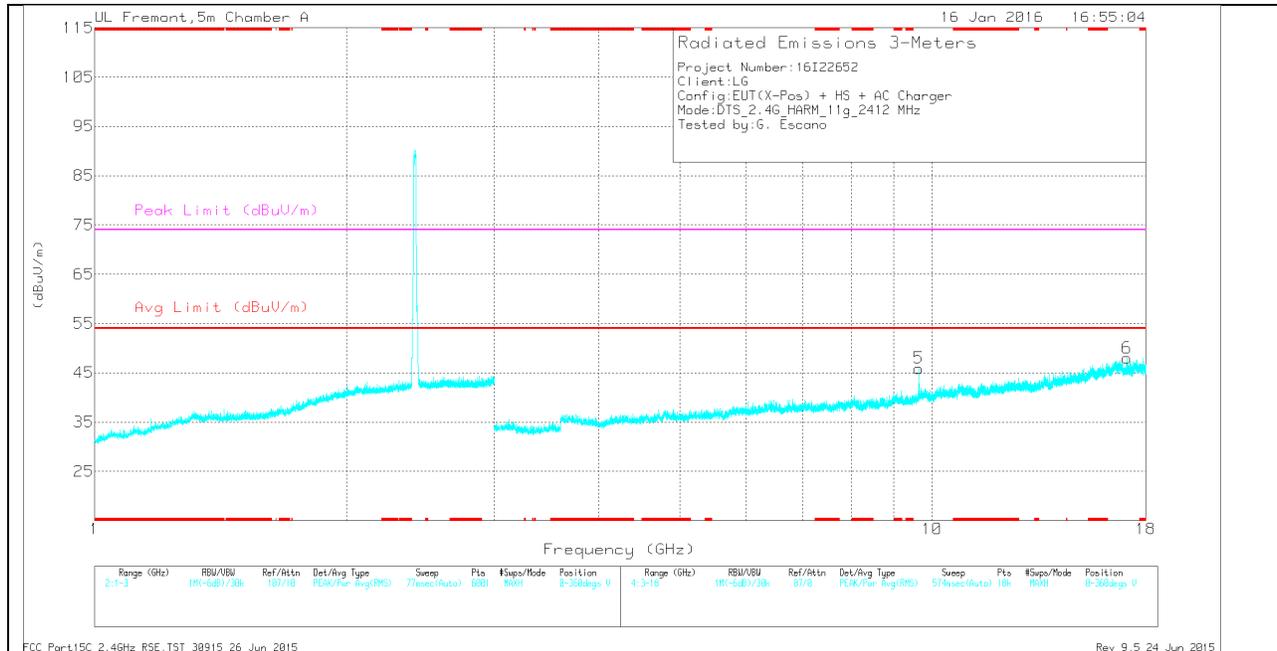
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



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

LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr /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	* 1.409	30.08	Pk	28.5	-20.7	0	37.88	-	-	74	-36.12	0-360	100	H
2	* 3.865	35.11	Pk	33.5	-31.7	0	36.91	-	-	74	-37.09	0-360	201	H
3	8.764	29.06	Pk	36	-24	0	41.06	-	-	-	-	0-360	100	H
5	9.648	32.62	Pk	36.7	-23.4	0	45.92	-	-	-	-	0-360	100	V
4	10.135	28	Pk	37.2	-22.3	0	42.9	-	-	-	-	0-360	201	H
6	17.082	28.46	Pk	41.5	-21.9	0	48.06	-	-	-	-	0-360	100	V

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

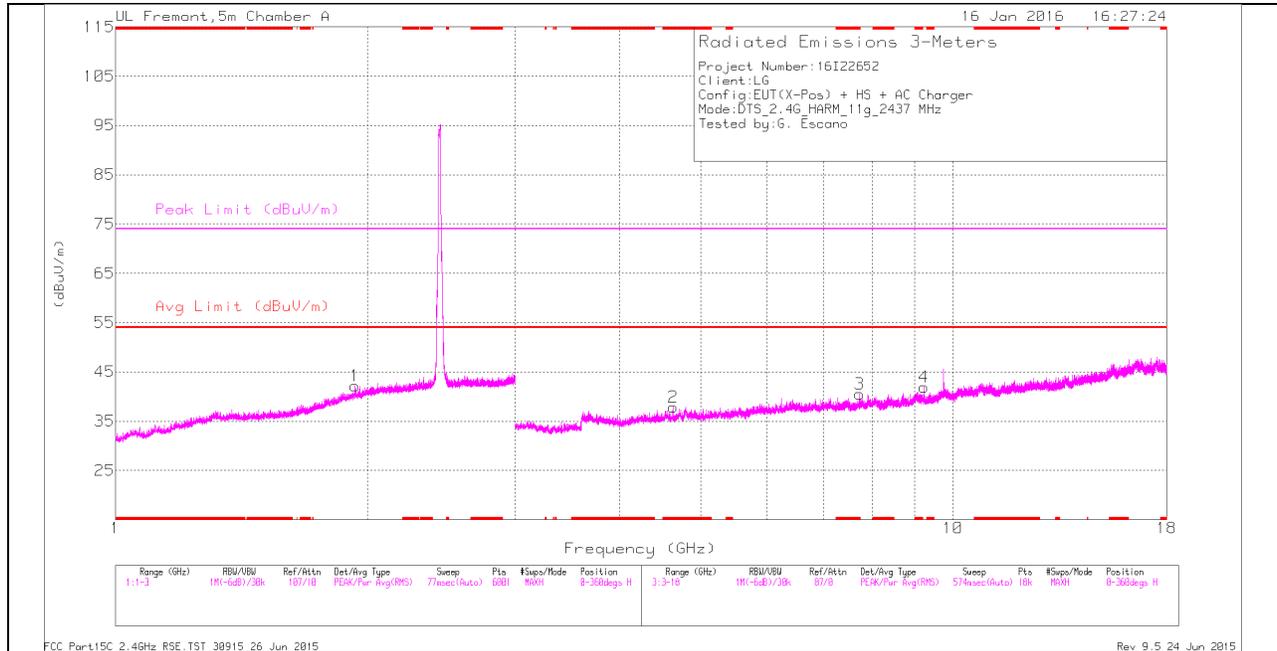
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.41	36.36	PK2	28.5	-20.7	0	44.16	-	-	74	-29.84	64	100	H
* 1.408	24.91	MAv1	28.5	-20.7	0.21	32.93	54	-21.08	-	-	64	100	H
* 3.866	43.4	PK2	33.5	-31.7	0	45.2	-	-	74	-28.8	155	202	H
* 3.866	31.03	MAv1	33.5	-31.7	0.21	33.04	54	-20.96	-	-	155	202	H
8.763	35.64	PK2	36	-24	0	47.64	-	-	74	-26.36	112	100	H
9.648	38.03	PK2	36.7	-23.4	0	51.33	-	-	74	-22.67	161	100	V
10.135	34.94	PK2	37.2	-22.3	0	49.84	-	-	74	-24.16	194	202	H
17.084	34.75	PK2	41.5	-22	0	54.25	-	-	74	-19.75	34	100	V

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

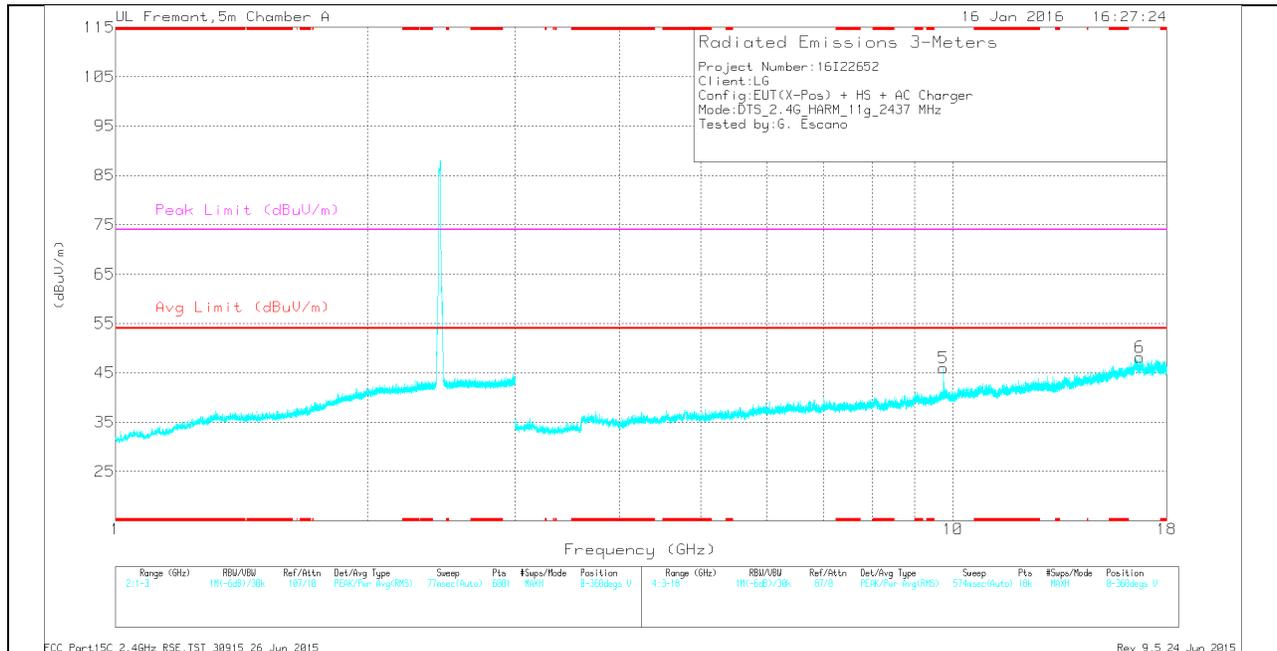
MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL



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

MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr /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	* 4.632	34.41	Pk	34.1	-30.6	0	37.91	-	-	74	-36.09	0-360	100	H
3	* 7.736	30.27	Pk	35.7	-25.5	0	40.47	-	-	74	-33.53	0-360	201	H
1	1.931	30.8	Pk	30.9	-19.5	0	42.2	-	-	-	-	0-360	100	H
4	9.237	29.68	Pk	36.3	-24.1	0	41.88	-	-	-	-	0-360	201	H
5	9.748	32.14	Pk	36.9	-23	0	46.04	-	-	-	-	0-360	100	V
6	16.703	27.84	Pk	41.8	-21.5	0	48.14	-	-	-	-	0-360	200	V

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

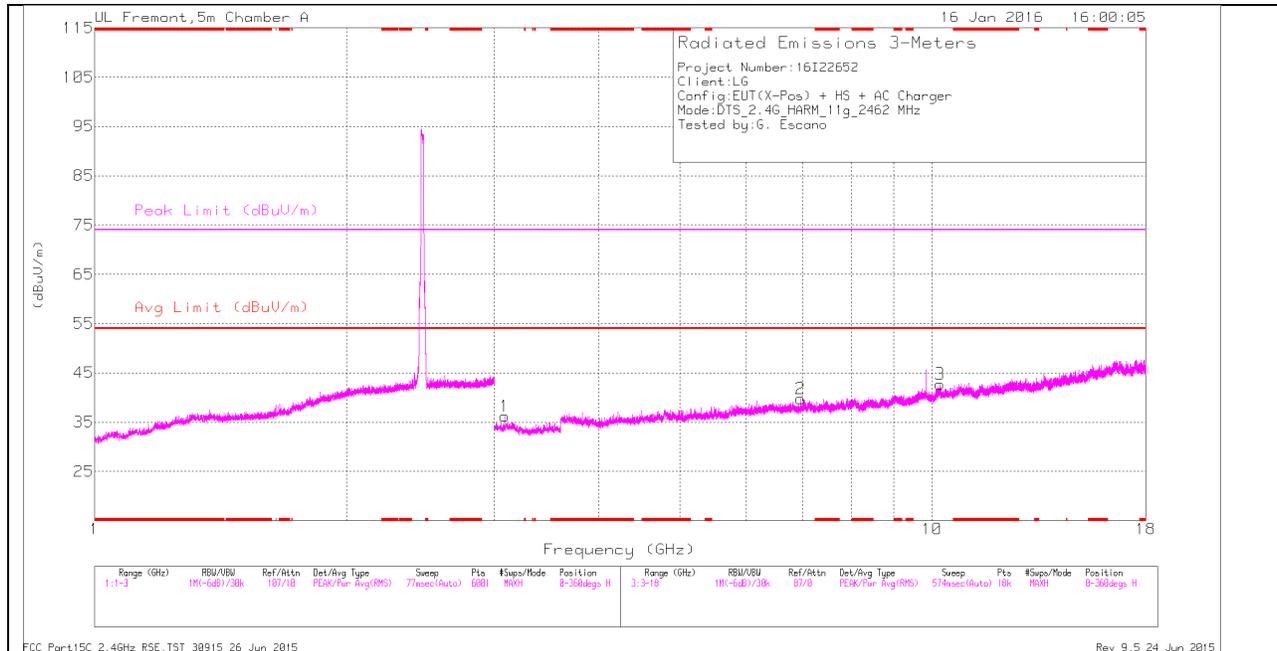
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.631	40.59	PK2	34.1	-30.6	0	44.09	-	-	74	-29.91	125	170	H
* 4.631	29.49	MAv1	34.1	-30.6	0.21	33.2	54	-20.8	-	-	125	170	H
* 7.738	36.53	PK2	35.7	-25.4	0	46.83	-	-	74	-27.17	87	202	H
* 7.735	25.58	MAv1	35.7	-25.4	0.21	36.09	54	-17.91	-	-	87	202	H
1.932	37.24	PK2	30.9	-19.5	0	48.64	-	-	74	-25.36	74	101	H
9.237	35.67	PK2	36.3	-24.1	0	47.87	-	-	74	-26.13	5	202	H
9.748	38.46	PK2	36.9	-23	0	52.36	-	-	74	-21.64	71	100	V
16.703	34.91	PK2	41.8	-21.5	0	55.21	-	-	74	-18.79	31	115	V

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

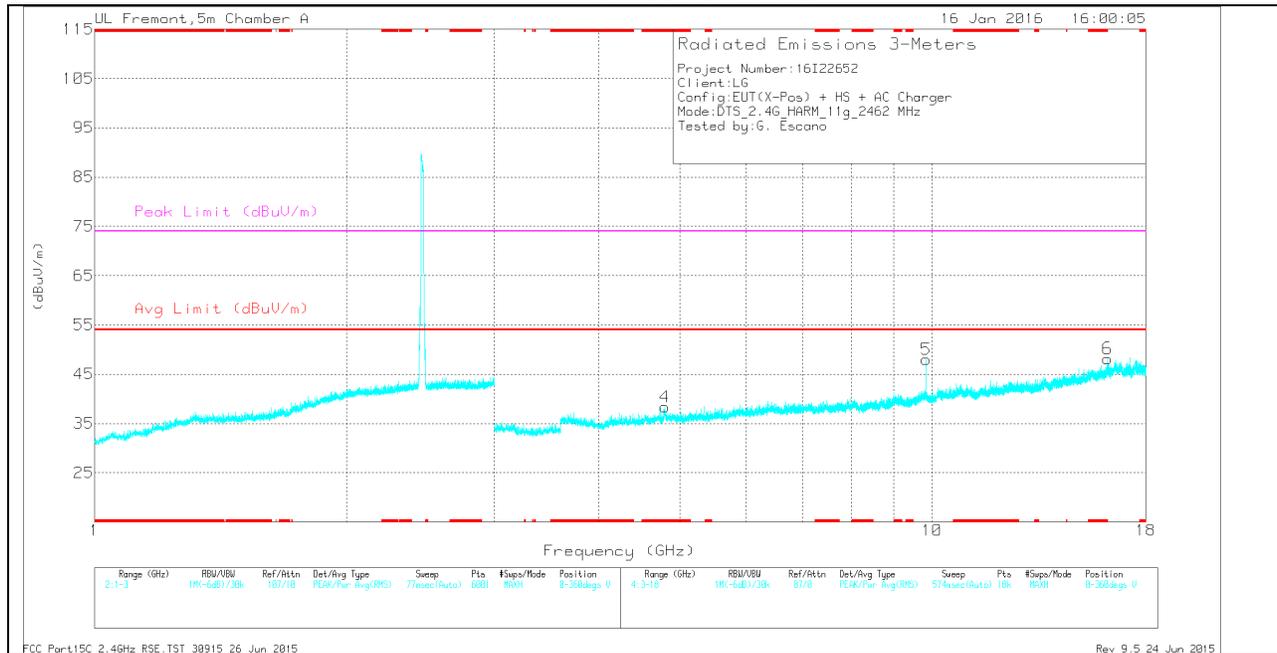
MAv1 - KDB558074 Option 1 Maximum RMS Average

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 T136 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 4.799	34.21	Pk	34	-29.8	0	38.41	-	-	74	-35.59	0-360	200	V
1	3.088	35.86	Pk	32.9	-32.6	0	36.16	-	-	-	-	0-360	100	H
2	6.965	30.91	Pk	35.6	-26.8	0	39.71	-	-	-	-	0-360	100	H
5	9.848	33.7	Pk	37	-22.7	0	48	-	-	-	-	0-360	100	V
3	10.221	27.84	Pk	37.3	-22.4	0	42.74	-	-	-	-	0-360	100	H
6	16.202	28.7	Pk	41	-21.5	0	48.2	-	-	-	-	0-360	200	V

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.797	41.39	PK2	34	-29.8	0	45.59	-	-	74	-28.41	168	201	V
* 4.797	30.33	MAv1	34	-29.9	0.21	34.64	54	-19.36	-	-	168	201	V
3.087	42.82	PK2	32.9	-32.6	0	43.12	-	-	74	-30.88	51	106	H
6.964	38	PK2	35.6	-26.8	0	46.8	-	-	74	-27.2	31	101	H
9.848	38.27	PK2	37	-22.7	0	52.57	-	-	74	-21.43	68	100	V
10.222	34.46	PK2	37.3	-22.4	0	49.36	-	-	74	-24.64	105	165	H
16.201	34.62	PK2	41	-21.5	0	54.12	-	-	74	-19.88	35	201	V

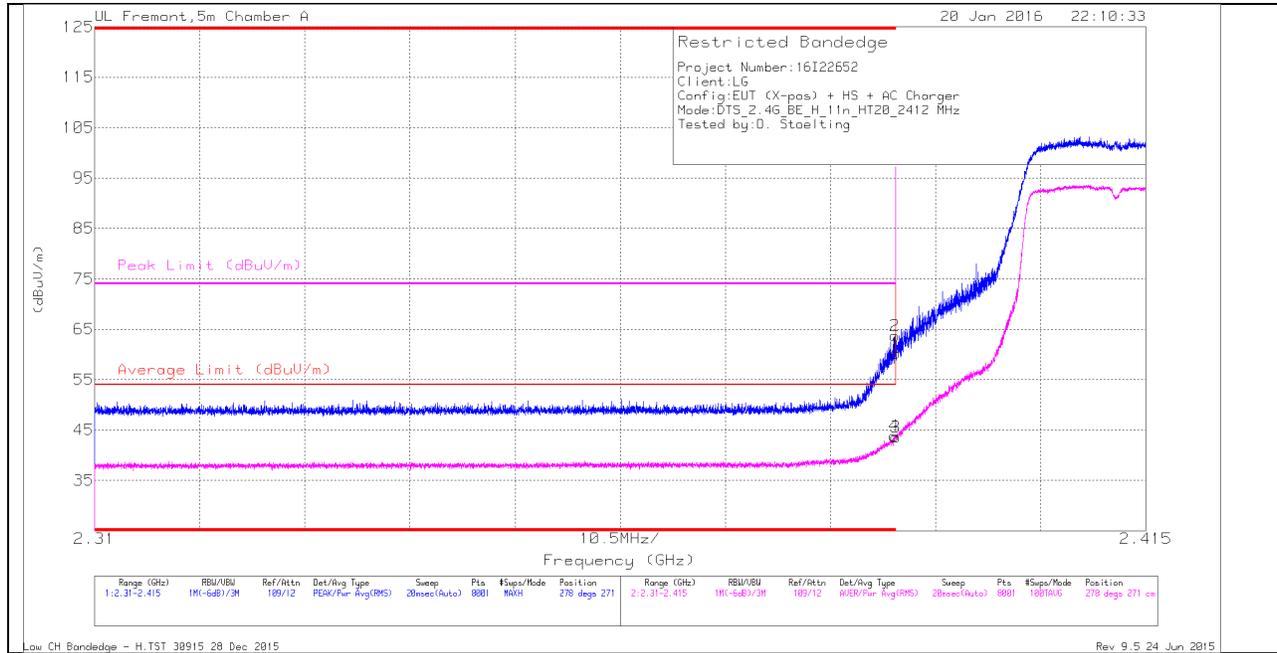
* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.1.3. 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

Trace Markers

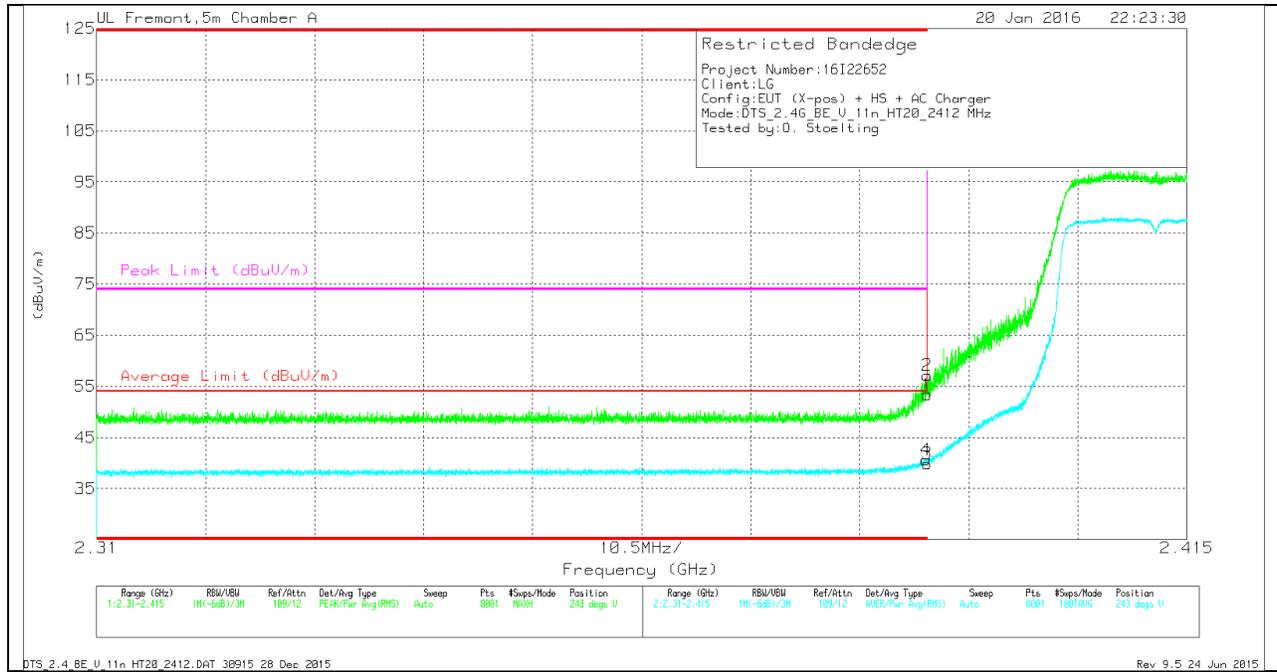
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	48.07	Pk	32	-19.9	0	60.17	-	-	74	-13.83	278	271	H
2	* 2.39	51.59	Pk	32	-19.9	0	63.69	-	-	74	-10.31	278	271	H
3	* 2.39	31.48	RMS	32	-19.9	.22	43.8	54	-10.2	-	-	278	271	H
4	* 2.39	31.78	RMS	32	-19.9	.22	44.1	54	-9.9	-	-	278	271	H

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filt/ 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	41.33	Pk	32	-19.9	0	53.43	-	-	74	-20.57	243	306	V
2	* 2.39	45.03	Pk	32	-19.9	0	57.13	-	-	74	-16.87	243	306	V
3	* 2.39	27.79	RMS	32	-19.9	.22	40.11	54	-13.89	-	-	243	306	V
4	* 2.39	28.53	RMS	32	-19.9	.22	40.85	54	-13.15	-	-	243	306	V

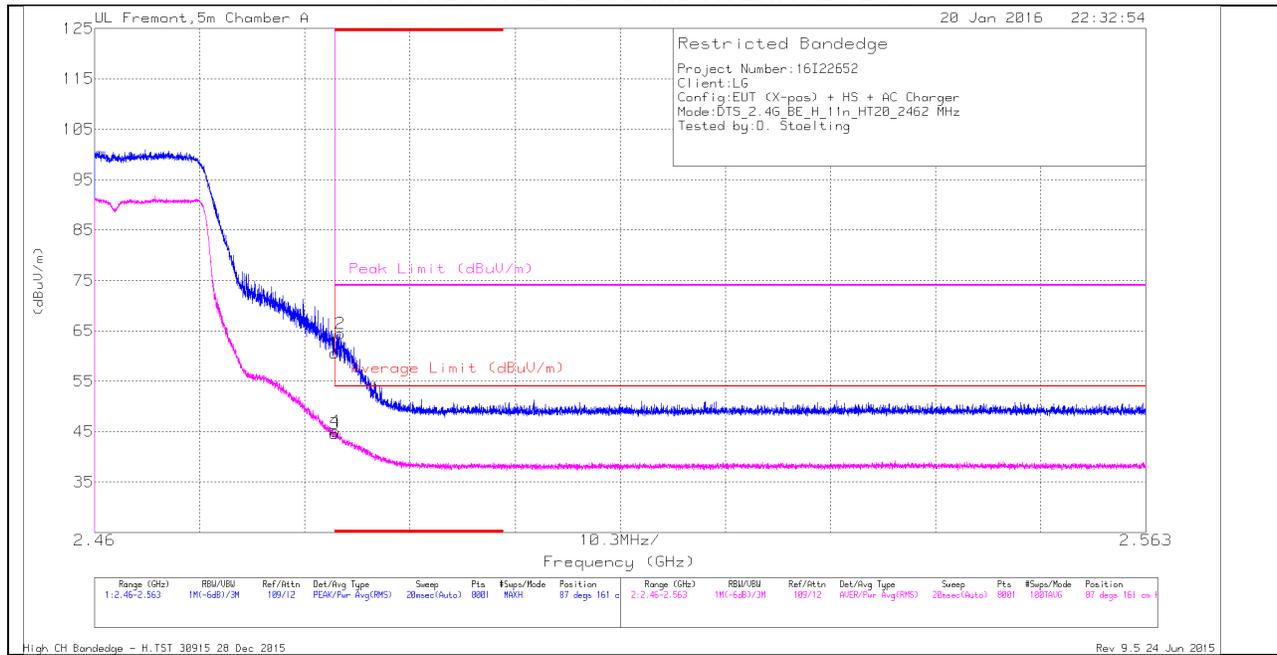
* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

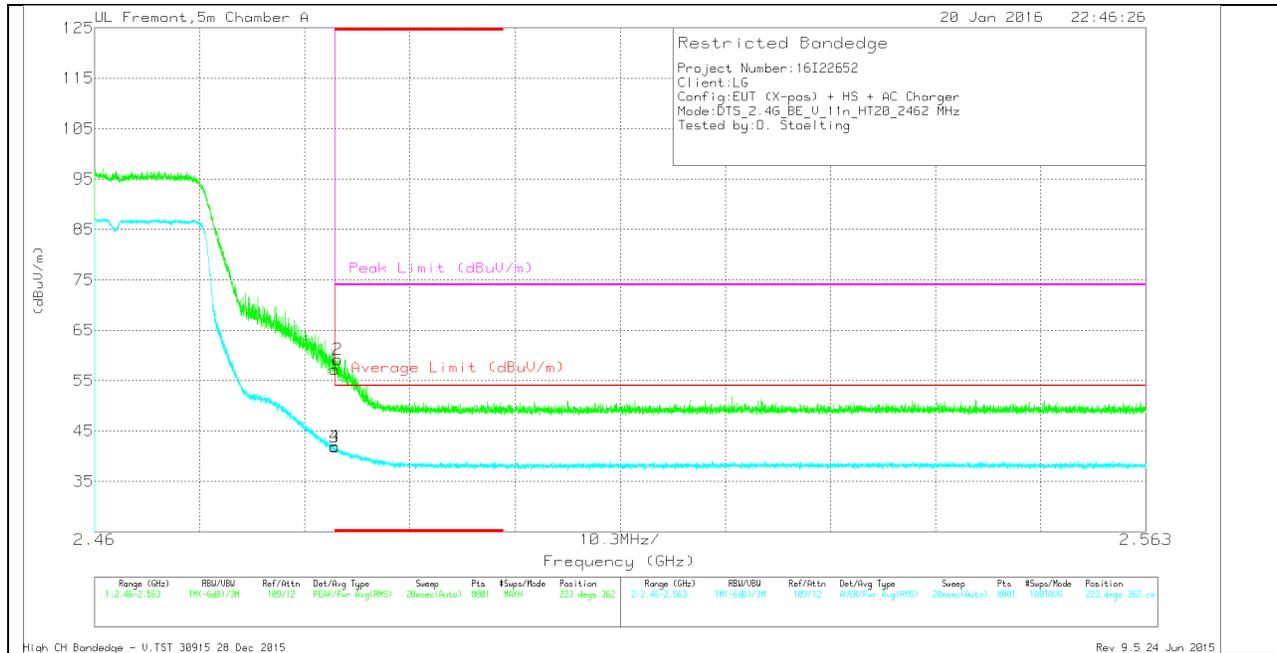
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.45	Pk	32.1	-20	0	60.55	-	-	74	-13.45	87	161	H
2	* 2.484	52.38	Pk	32.1	-20	0	64.48	-	-	74	-9.52	87	161	H
3	* 2.484	32.45	RMS	32.1	-20	0.22	44.77	54	-9.23	-	-	87	161	H
4	* 2.484	32.96	RMS	32.1	-20	0.22	45.28	54	-8.72	-	-	87	161	H

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.1	Pk	32.1	-20	0	57.2	-	-	74	-16.8	223	362	V
2	* 2.484	47.14	Pk	32.1	-20	0	59.24	-	-	74	-14.76	223	362	V
3	* 2.484	29.8	RMS	32.1	-20	0.22	42.12	54	-11.88	-	-	223	362	V
4	* 2.484	29.92	RMS	32.1	-20	0.22	42.24	54	-11.76	-	-	223	362	V

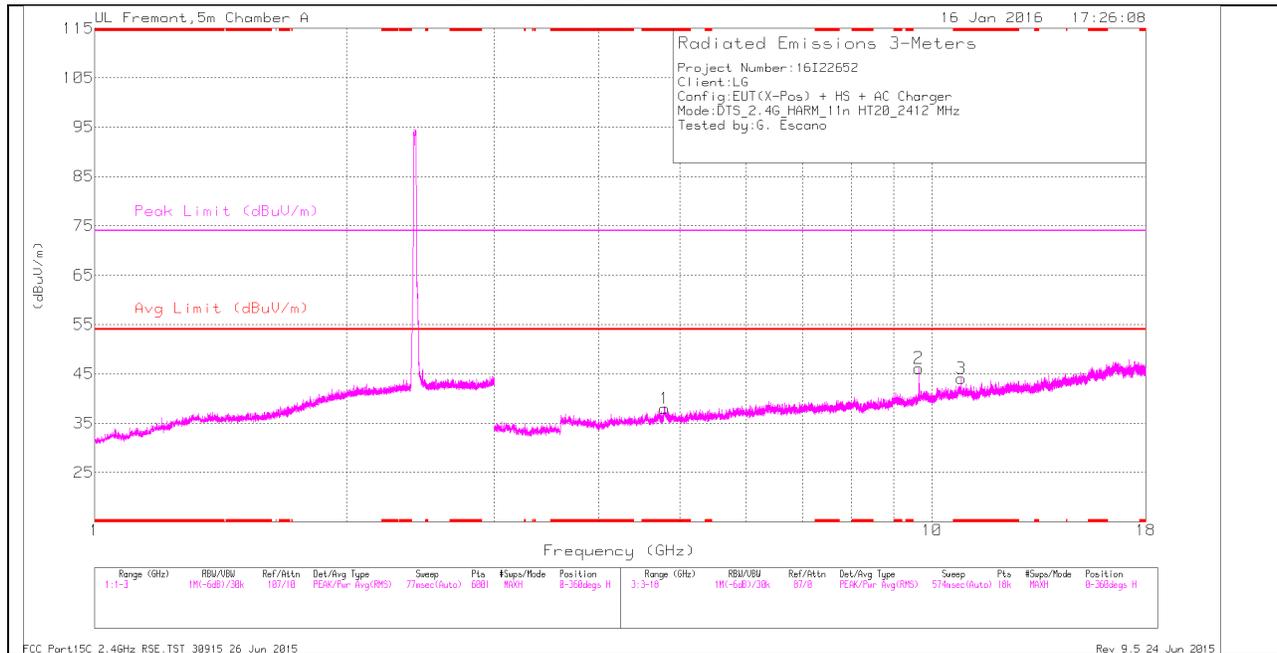
* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

RMS - RMS detection

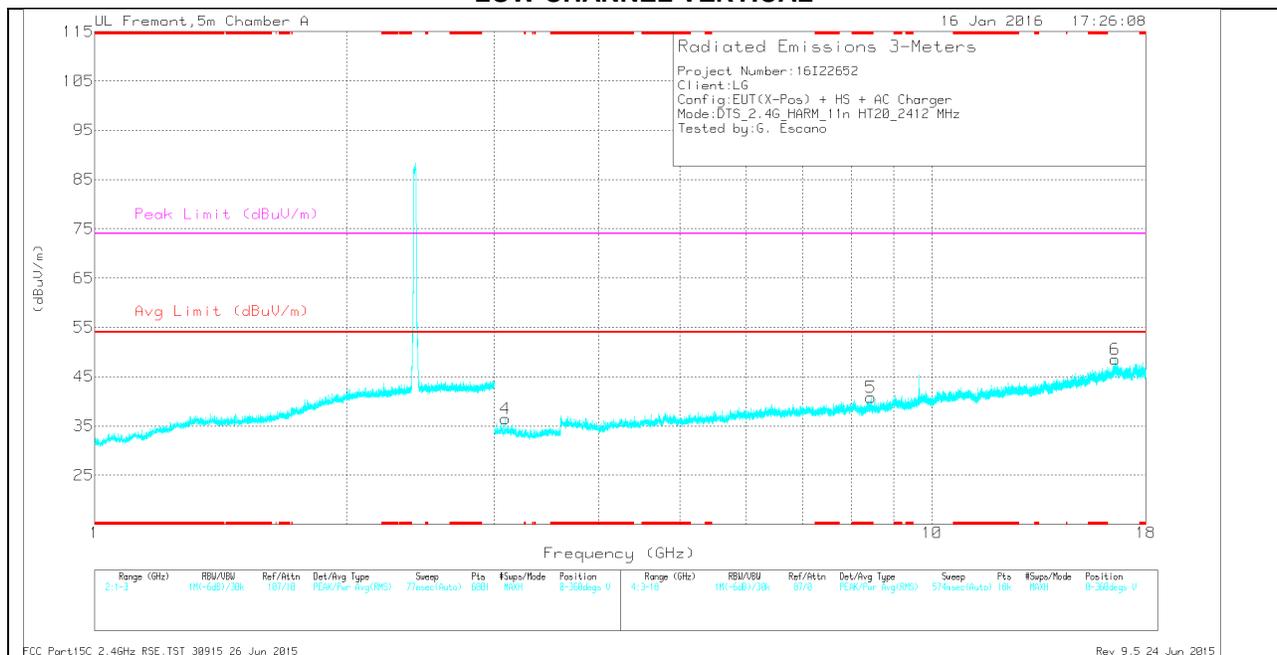
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



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

LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fitr /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	* 4.792	33.91	Pk	34	-29.9	0	38.01	-	-	74	-35.99	0-360	201	H
3	* 10.828	27.79	Pk	37.8	-21.5	0	44.09	-	-	74	-29.91	0-360	100	H
5	* 8.452	29.27	Pk	35.7	-24.2	0	40.77	-	-	74	-33.23	0-360	200	V
4	3.092	36.04	Pk	32.9	-32.5	0	36.44	-	-	-	-	0-360	200	V
2	9.648	32.87	Pk	36.7	-23.4	0	46.17	-	-	-	-	0-360	100	H
6	16.544	28.11	Pk	41.6	-21.2	0	48.51	-	-	-	-	0-360	100	V

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

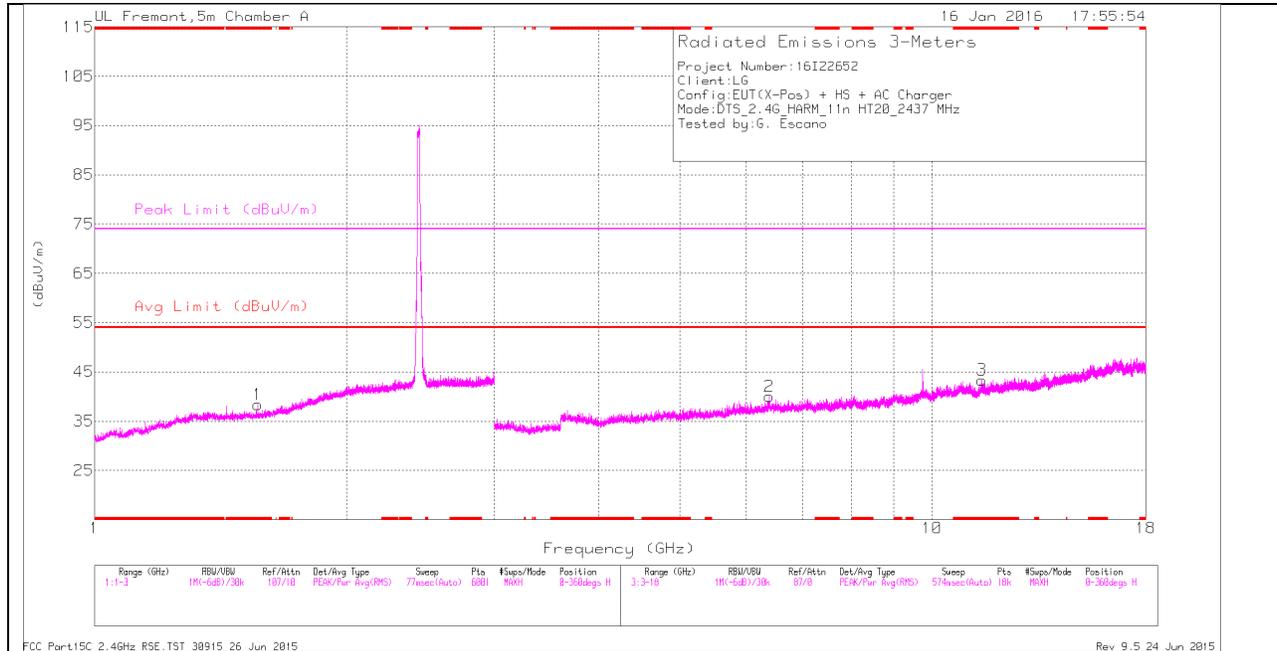
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fitr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.792	42.27	PK2	34	-29.9	0	46.37	-	-	74	-27.63	124	202	H
* 4.792	30.48	MAv1	34	-29.9	0.22	34.8	54	-19.2	-	-	124	202	H
* 10.827	34.58	PK2	37.8	-21.5	0	50.88	-	-	74	-23.12	251	168	H
* 10.828	22.9	MAv1	37.8	-21.6	0.22	39.32	54	-14.68	-	-	251	168	H
* 8.451	36.65	PK2	35.7	-24.2	0	48.15	-	-	74	-25.85	112	134	V
* 8.452	24.8	MAv1	35.7	-24.2	0.22	36.52	54	-17.48	-	-	112	134	V
3.094	42.89	PK2	32.9	-32.4	0	43.39	-	-	74	-30.61	191	201	V
9.648	39.37	PK2	36.7	-23.4	0	52.67	-	-	74	-21.33	331	100	H
16.544	34.42	PK2	41.6	-21.2	0	54.82	-	-	74	-19.18	41	100	V

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

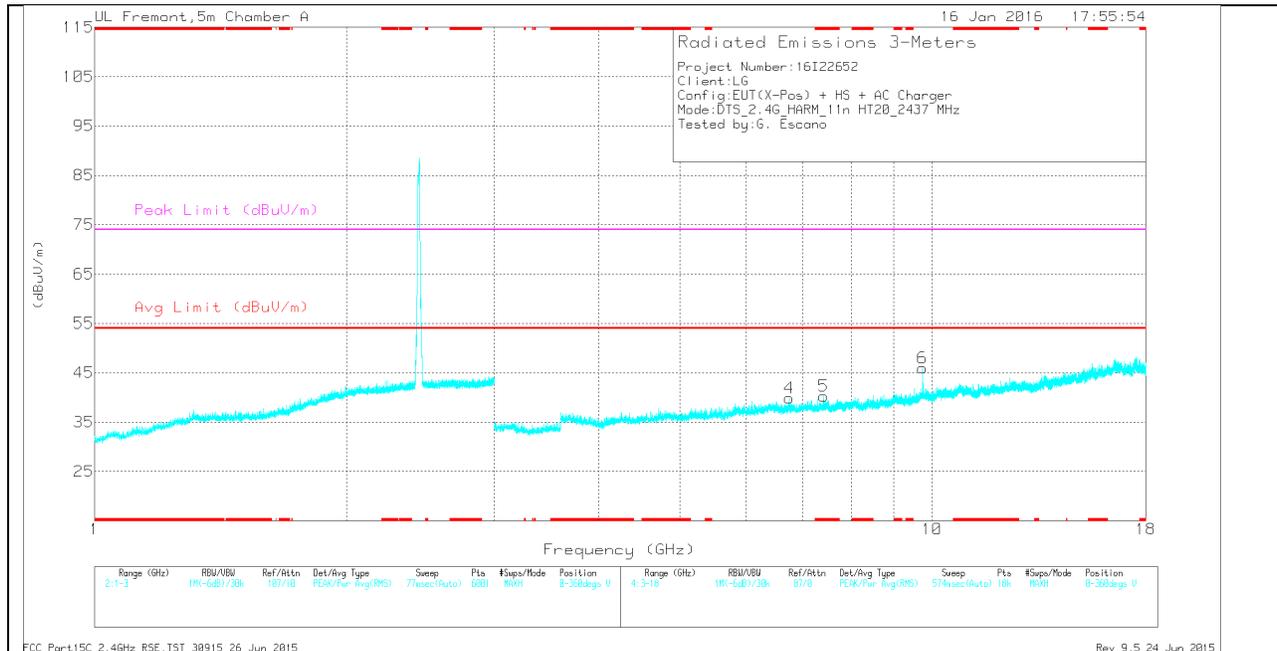
MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL



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

MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr /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	* 1.566	30.47	Pk	28	-20.1	0	38.37	-	-	74	-35.63	0-360	201	H
3	* 11.475	27.08	Pk	38	-21.7	0	43.38	-	-	74	-30.62	0-360	201	H
5	* 7.429	29.91	Pk	35.5	-25.1	0	40.31	-	-	74	-33.69	0-360	100	V
2	6.396	31.74	Pk	35.5	-27.2	0	40.04	-	-	-	-	0-360	100	H
4	6.753	30.79	Pk	35.6	-26.5	0	39.89	-	-	-	-	0-360	100	V
6	9.748	32.1	Pk	36.9	-23	0	46	-	-	-	-	0-360	100	V

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

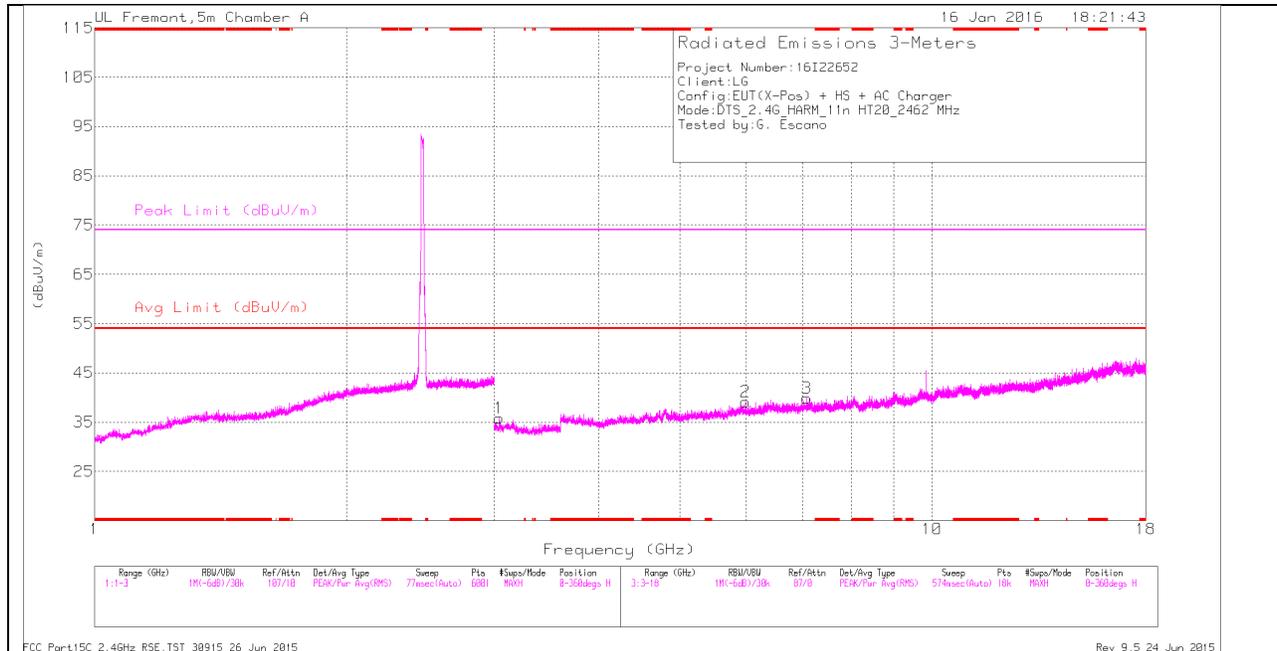
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.565	36.73	PK2	28	-20.1	0	44.63	-	-	74	-29.37	85	202	H
* 1.567	25.17	MAv1	28	-20.1	0.22	33.29	54	-20.71	-	-	85	202	H
* 11.475	34.45	PK2	38	-21.7	0	50.75	-	-	74	-23.25	56	202	H
* 11.474	22.89	MAv1	38	-21.7	0.22	39.41	54	-14.59	-	-	56	202	H
* 7.429	37.05	PK2	35.5	-25.1	0	47.45	-	-	74	-26.55	91	100	V
* 7.429	25.32	MAv1	35.5	-25.1	0.22	35.94	54	-18.06	-	-	91	100	V
6.395	38.29	PK2	35.5	-27.2	0	46.59	-	-	74	-27.41	159	100	H
6.751	37.89	PK2	35.6	-26.5	0	46.99	-	-	74	-27.01	15	100	V
9.748	38.29	PK2	36.9	-23	0	52.19	-	-	74	-21.81	81	100	V

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

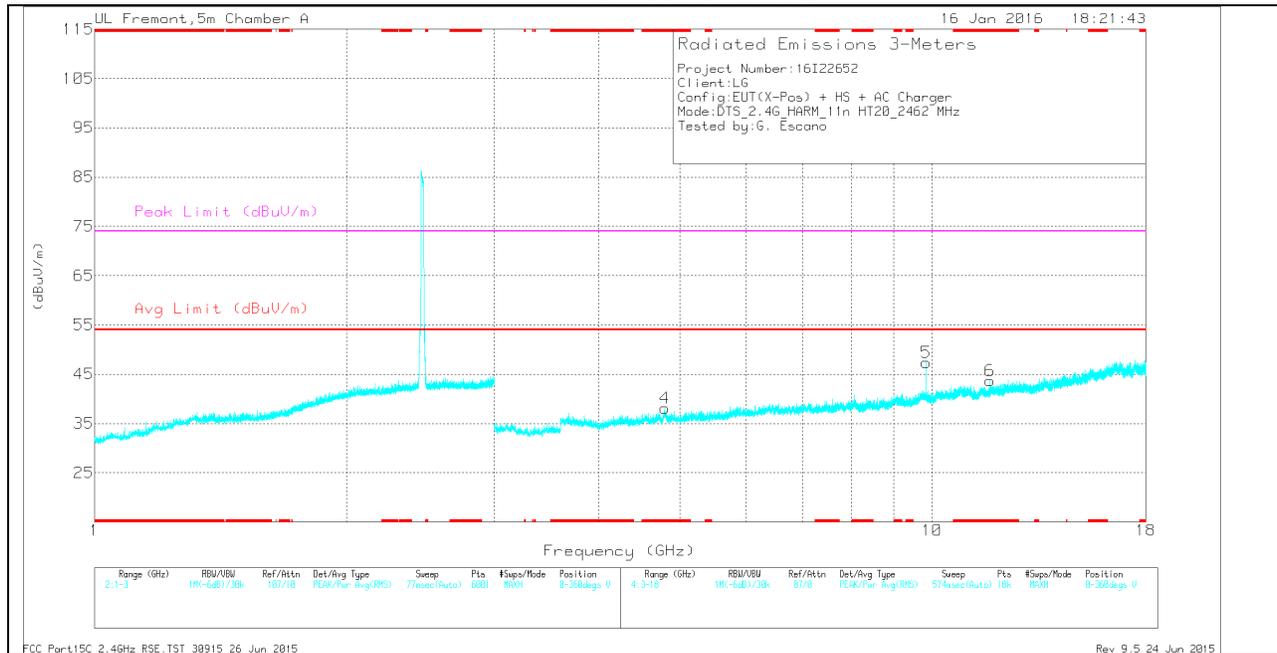
MAv1 - KDB558074 Option 1 Maximum RMS Average

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 T136 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 4.796	34.03	Pk	34	-29.9	0	38.13	-	-	74	-35.87	0-360	200	V
6	* 11.731	27.79	Pk	38.3	-22.4	0	43.69	-	-	74	-30.31	0-360	100	V
1	3.042	35.78	Pk	32.9	-32.8	0	35.88	-	-	-	-	0-360	100	H
2	5.989	32.48	Pk	35.4	-28.7	0	39.18	-	-	-	-	0-360	201	H
3	7.086	30.54	Pk	35.6	-26.2	0	39.94	-	-	-	-	0-360	201	H
5	9.848	33.02	Pk	37	-22.7	0	47.32	-	-	-	-	0-360	100	V

* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.796	41.81	PK2	34	-29.9	0	45.91	-	-	74	-28.09	159	200	V
* 4.795	30.54	MAv1	34	-29.9	0.22	34.86	54	-19.14	-	-	159	200	V
* 11.731	34.73	PK2	38.3	-22.4	0	50.63	-	-	74	-23.37	66	100	V
* 11.732	23.18	MAv1	38.3	-22.4	0.22	39.08	54	-14.7	-	-	66	100	V
3.044	42.82	PK2	32.9	-32.8	0	42.92	-	-	74	-31.08	95	150	H
5.988	39.33	PK2	35.3	-28.7	0	45.93	-	-	74	-28.07	135	202	H
7.086	37.63	PK2	35.6	-26.2	0	47.03	-	-	74	-26.97	51	216	H
9.848	38.61	PK2	37	-22.7	0	52.91	-	-	74	-21.09	62	100	V

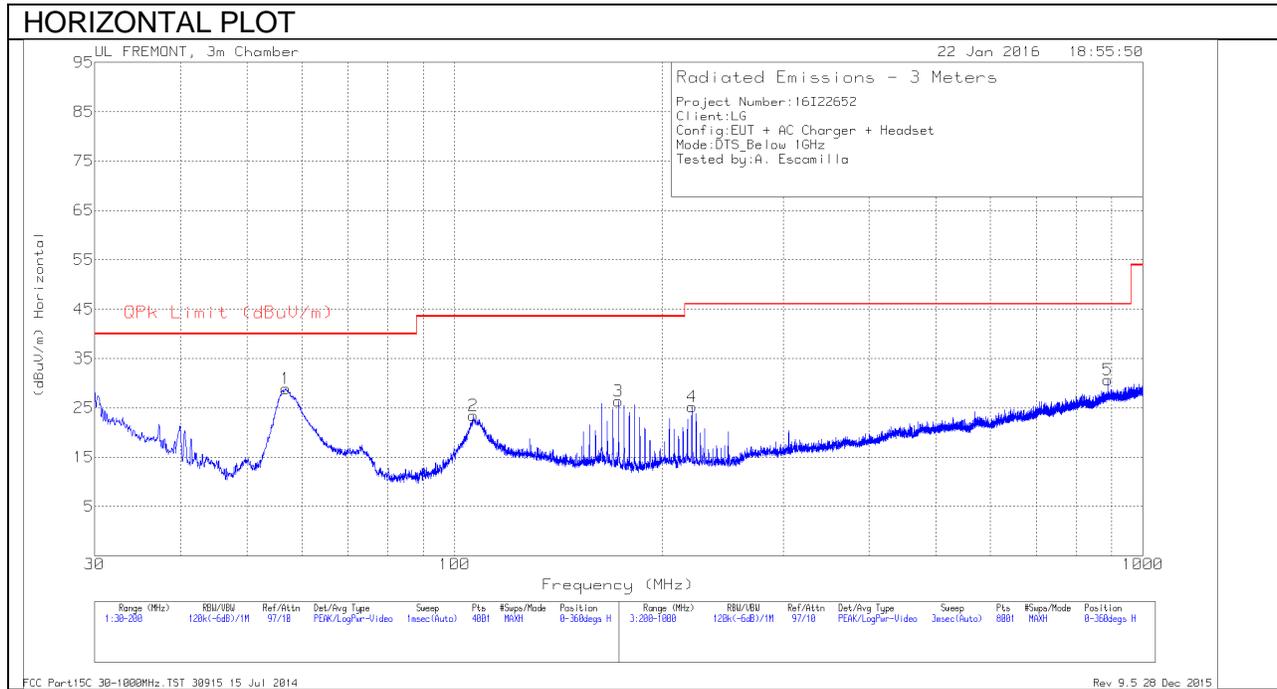
* - indicates frequency in 47 CFR §15.205/IC RSS-GEN §8.10 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

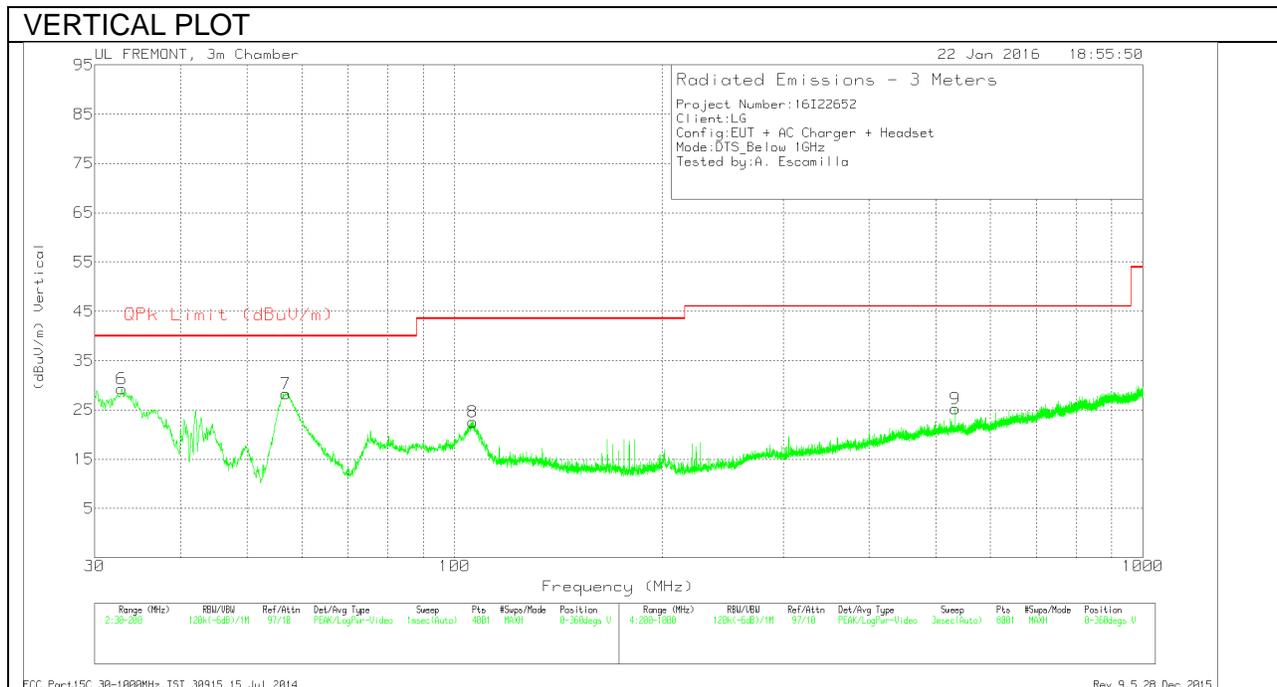
MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2. WORST-CASE BELOW 1 GHz

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



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



Below 1G Data

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T185 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	32.8475	36.78	Pk	19.6	-27.1	29.28	40	-10.72	0-360	100	V
1	56.9025	48.74	Pk	7.1	-26.9	28.94	40	-11.06	0-360	400	H
7	56.9025	48.11	Pk	7.1	-26.9	28.31	40	-11.69	0-360	100	V
8	106.245	37.6	Pk	11.3	-26.3	22.6	43.52	-20.92	0-360	100	V
2	106.5	38.28	Pk	11.4	-26.2	23.48	43.52	-20.04	0-360	300	H
3	172.97	40.42	Pk	11.4	-25.5	26.32	43.52	-17.2	0-360	200	H
4	221.1	39.69	Pk	10.5	-25	25.19	46.02	-20.83	0-360	100	H
9	533.7	31.99	Pk	18.2	-25	25.19	46.02	-20.83	0-360	100	V
5	889.2	31.36	Pk	22.1	-22.8	30.66	46.02	-15.36	0-360	100	H

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

Pk - Peak detector