



**FCC CFR47 PART 15 SUBPART C
INDUSTRY CANADA RSS-210 ISSUE 8**

CERTIFICATION TEST REPORT

FOR

Cellular Phone with Bluetooth and WLAN Radios

MODEL NUMBER: A1522

**FCC ID: BCG-E2817A
IC: 579C-E2817A**

REPORT NUMBER: 14U17676-E4 Revision B

ISSUE DATE: AUGUST 05, 2014

Prepared for
**APPLE, INC.
1 INFINITE LOOP
CUPERTINO, CA 95014, U.S.A.**

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NVLAP LAB CODE 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
---	7/24/14	Initial Issue	F. de Anda
A	7/30/14	Updated sections 1, 2 5, 7 and 8	F. de Anda
B	08/05/14	Address TCB Questions	T. Lee

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: APPLE, INC.
1 INFINITE LOOP
CUPERTINO, CA 95014, U.S.A.

EUT DESCRIPTION: Cellular Phone with Bluetooth and WLAN Radios

MODEL: A1522

SERIAL NUMBER: C39MV008G30C

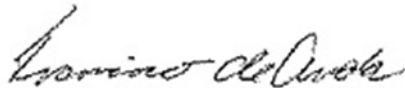
DATE TESTED: JUNE 20 - JULY 7, 2014

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart C	Pass
INDUSTRY CANADA RSS-210 Issue 8 Annex 8	Pass
INDUSTRY CANADA RSS-GEN Issue 3	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 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.

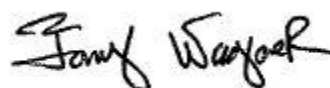
Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services 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.

Approved & Released For
UL Verification Services Inc. By:



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UL VERIFICATION SERVICES INC.

Tested By:



Tony Wagoner
EMC ENGINEER
UL VERIFICATION SERVICES INC.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2009, FCC CFR 47 Part 2, FCC CFR 47 Part 15, RSS-GEN Issue 3, and RSS-210 Issue 8.

Per FCC guidance, radiated tests are performed for A1522 to ensure that there is no deviation in EM fields between Model A1522 and Model A1524.

3. FACILITIES AND ACCREDITATION

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

47173 Benicia Street	47266 Benicia Street
☐ Chamber A	☒ Chamber D
☐ Chamber B	☒ Chamber E
☐ Chamber C	☒ Chamber F
	☒ Chamber G
	☒ Chamber H

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

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

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

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

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

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	3.52 dB
Radiated Disturbance, 30 to 1000 MHz	4.94 dB

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

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

Model A1522 is a mobile phone with multimedia functions (music, application support, and video), Cellular GSM/GPRS/EGPRS/CDMA2000/EVDO Rev.A/ EVDO Rev.B /WCDMA/HSPA+/DC-HSDPA/LTE FDD & Carrier Aggregation radio, IEEE 802.11a/b/g/n/ac radio, Bluetooth radio and NFC. The rechargeable battery is not user accessible.

5.2. MAXIMUM OUTPUT POWER

For Maximum output power data, refer to Model A1524 BLE report.

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes a PiFA antenna, with a maximum gain of 0.81 dBi.

5.4. SOFTWARE AND FIRMWARE

The test utility software used during testing was Bluetool 1.8.5

5.5. WORST-CASE CONFIGURATION AND MODE

The worst-position was the EUT with highest emissions. To determine the worst-case, the EUT is a portable device that has three orientations; therefore X, Y and Z orientations have been investigated with AC adapter and Headset, and the worst case was found to be at X (Flatbed) position without AC adapter and headset.

The worst-case mode and channel used for 30-1000 MHz radiated and power line conducted emissions was including headset, AC charger and the mode and channel with the highest output power.

There are three vendors of the WiFi/Bluetooth radio modules: variant 1, variant 2 and variant 3 and they have the same mechanical outline, same on board antenna, matching circuit, antenna structure and same specification. Baseline testing was performed on all three variants to determine the worst case on all conducted power and radiated emissions.

5.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC/DC adapter	Apple	A1401	60812	NA
Earphone	Apple	NA	NA	NA
Laptop	Apple	A1278	C02HJ0A7DTY4	NA

I/O CABLES (RADIATED ABOVE 1 GHZ)

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
None used						

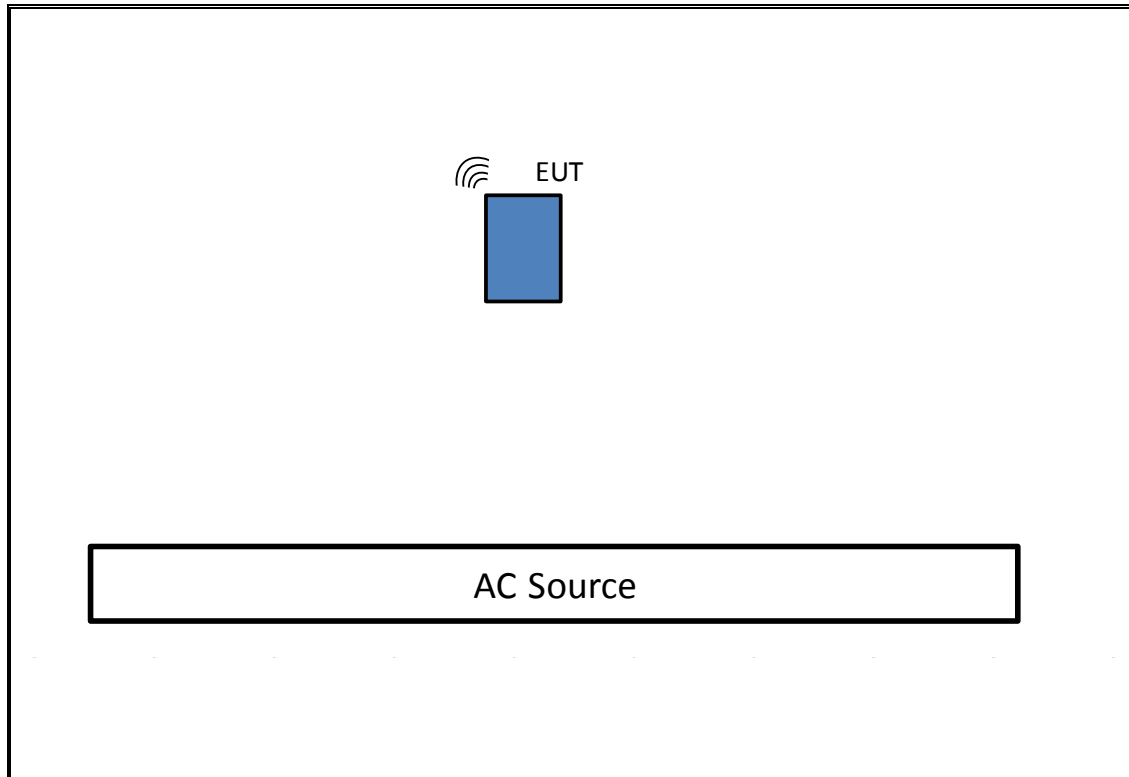
I/O CABLES (BELOW 1GHZ & AC LINE CONDUCTED TESTS)

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	AC	1	US115	Un-Shielded	80cm	NA
2	DC	1	USB	Un-Shielded	1m	NA
3	Audio	1	Jack	Un-Shielded	0.5m	NA

TEST SETUP- RADIATED-ABOVE 1 GHZ

The EUT was tested battery powered. Test software exercised the EUT.

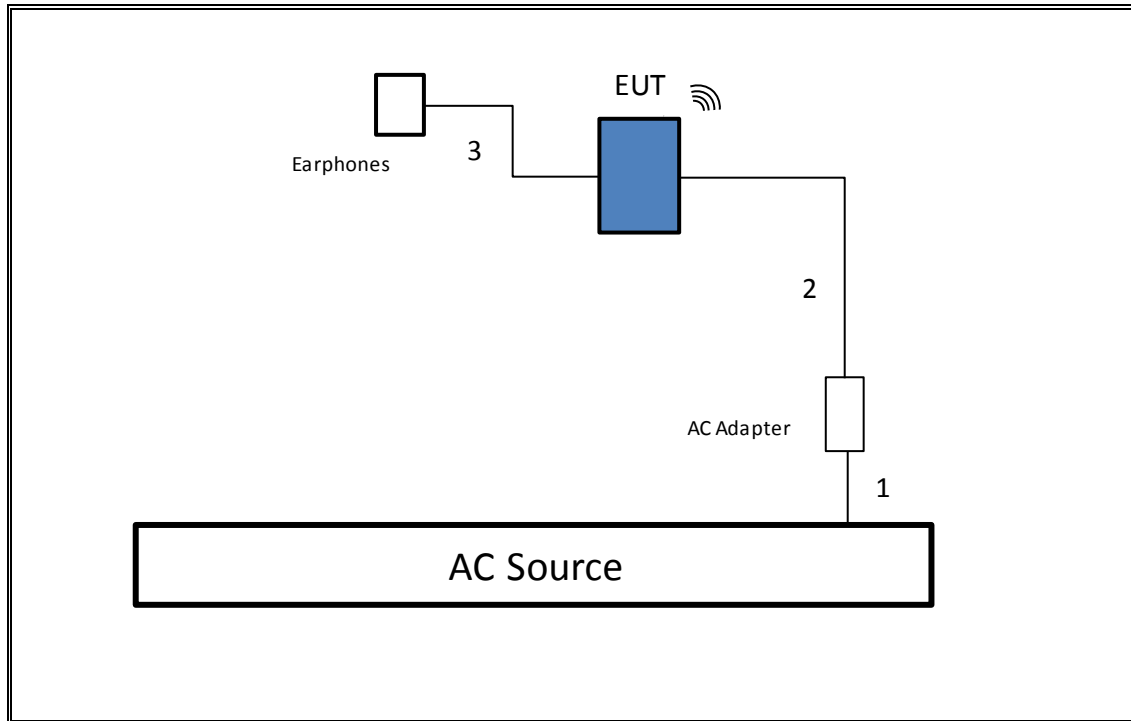
SETUP DIAGRAM



TEST SETUP- BELOW 1GHZ & AC LINE CONDUCTED TESTS

The EUT was tested with earphones connected and powered by AC adapter. Test software exercised the EUT.

SETUP DIAGRAM



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
Antenna, Horn, 18 GHz	ETS Lindgren	3117	F00131	02/18/15
Antenna, Horn, 26.5 GHz	ARA	MWH-1826/B	C00589	11/28/14
Peak / Average Power Sensor	Agilent / HP	N1911A	F00153	03/06/15
Wideband Power Sensor	Agilent	N1921A	F00361	10/02/14
Peak Power Meter	Agilent / HP	E9323A	F00025	04/03/15
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	F00129	02/22/15
Antenna, Bilog, 2 GHz	Sunol Sciences	JB1	F00168	03/28/15
Preamplifier, 1300 MHz	Sonoma	310	F00008	05/27/15
Preamplifier, 26.5 GHz	Agilent / HP	8449B	F00165	03/25/15
EMI Test Receiver, 9 kHz-7 GHz	R & S	ESCI 7	F00092	09/05/14
LISN, 30 MHz	FCC	LISN-50/250-25-2	C00626	01/14/15

7. ON TIME, DUTY CYCLE AND MEASUREMENT METHODS

LIMITS

None; for reporting purposes only.

PROCEDURE

KDB 789033 Zero-Span Spectrum Analyzer Method.

7.1. ON TIME AND DUTY CYCLE RESULTS

For on time and duty cycle data, refer to Model A1524 BLE report..

8. ANTENNA PORT TEST RESULTS

For antenna port data, refer to Model A1524 BLE report.

9. RADIATED TEST RESULTS

9.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

IC RSS-210 Clause 2.6 (Transmitter)

IC RSS-GEN Clause 6 (Receiver)

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. The EUT is configured in accordance with ANSI C63.4. The EUT is set to transmit in a continuous mode.

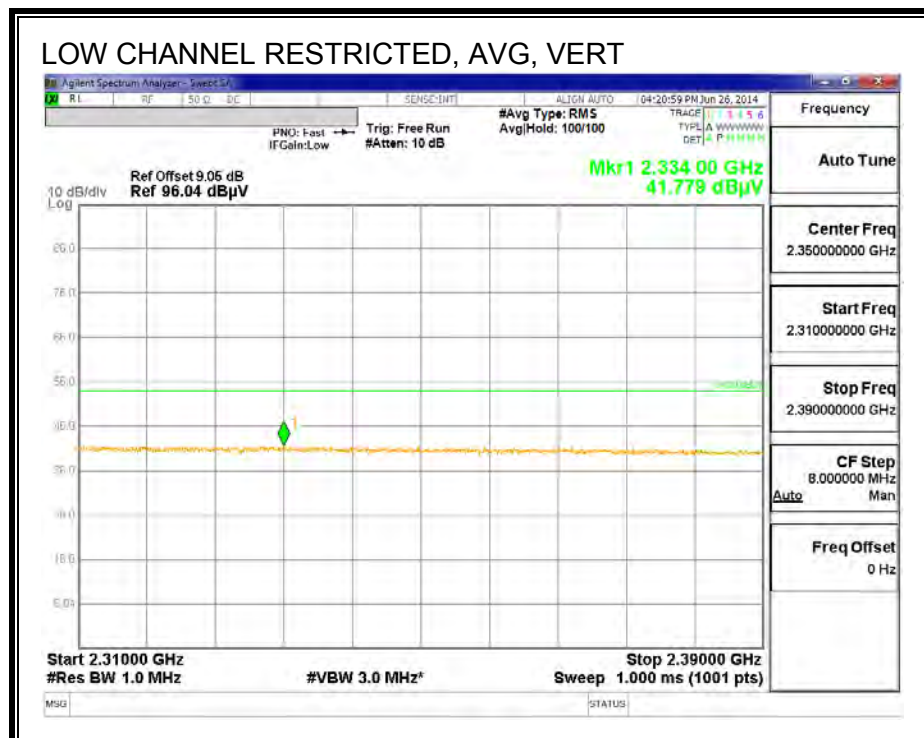
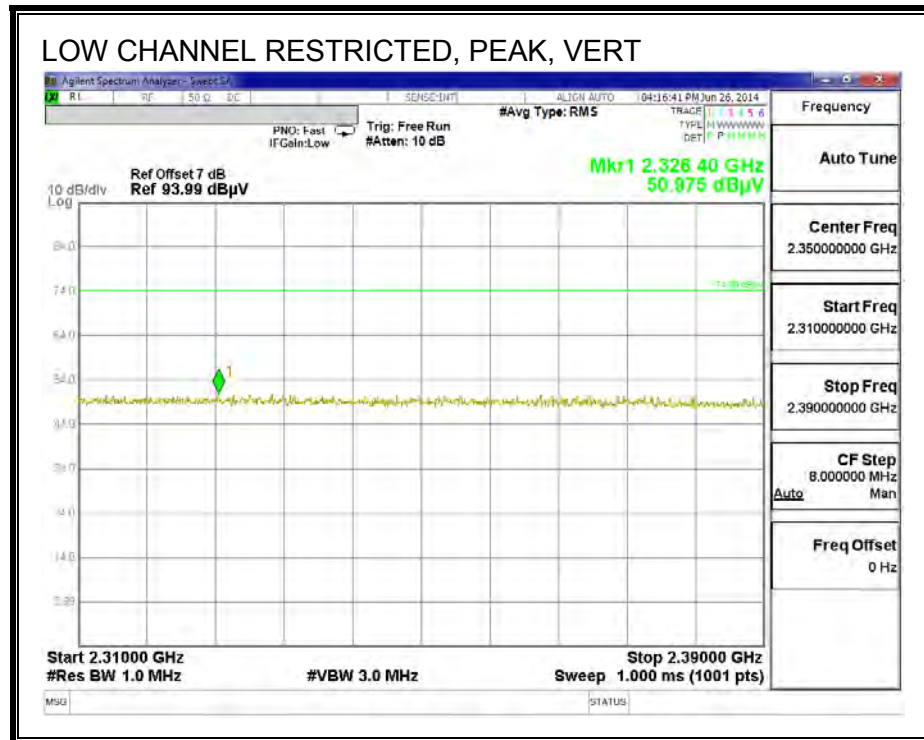
For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 10 Hz for average measurements.

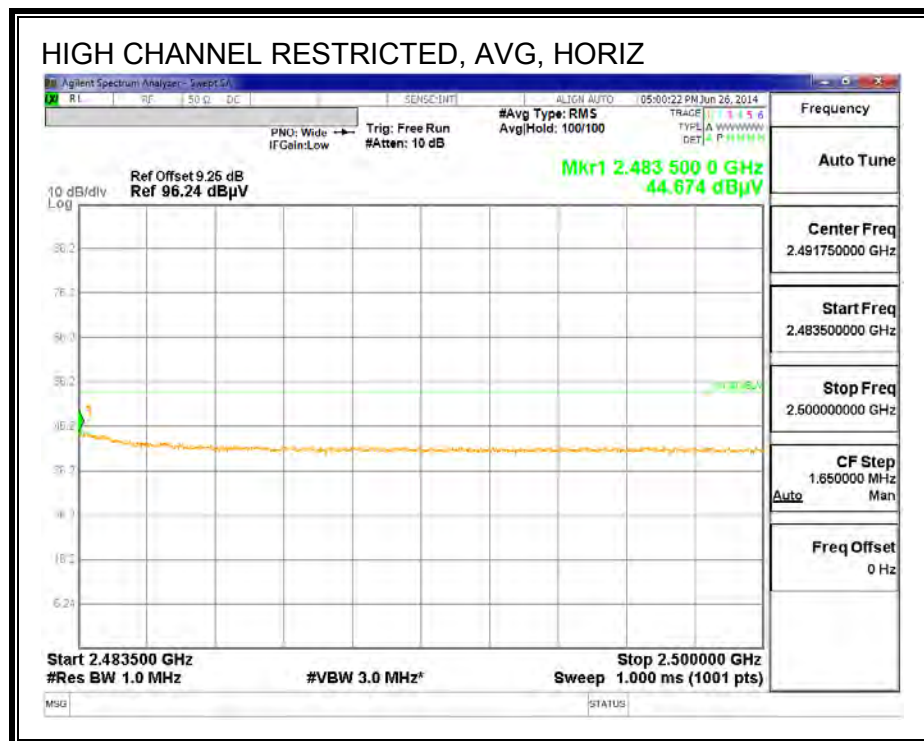
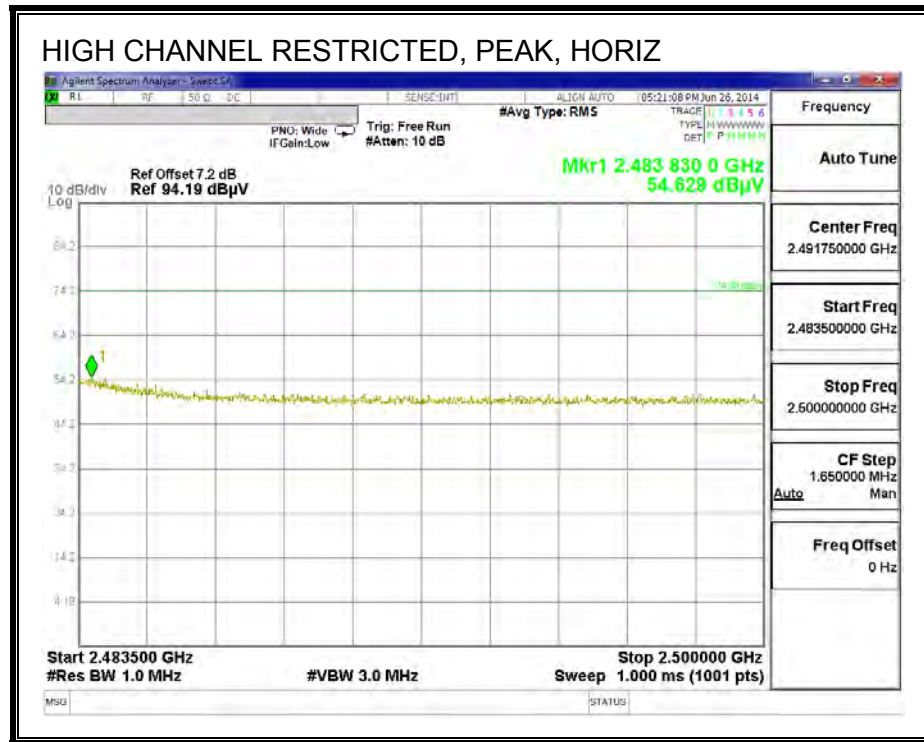
For 2.4 GHz band, the spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.

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.

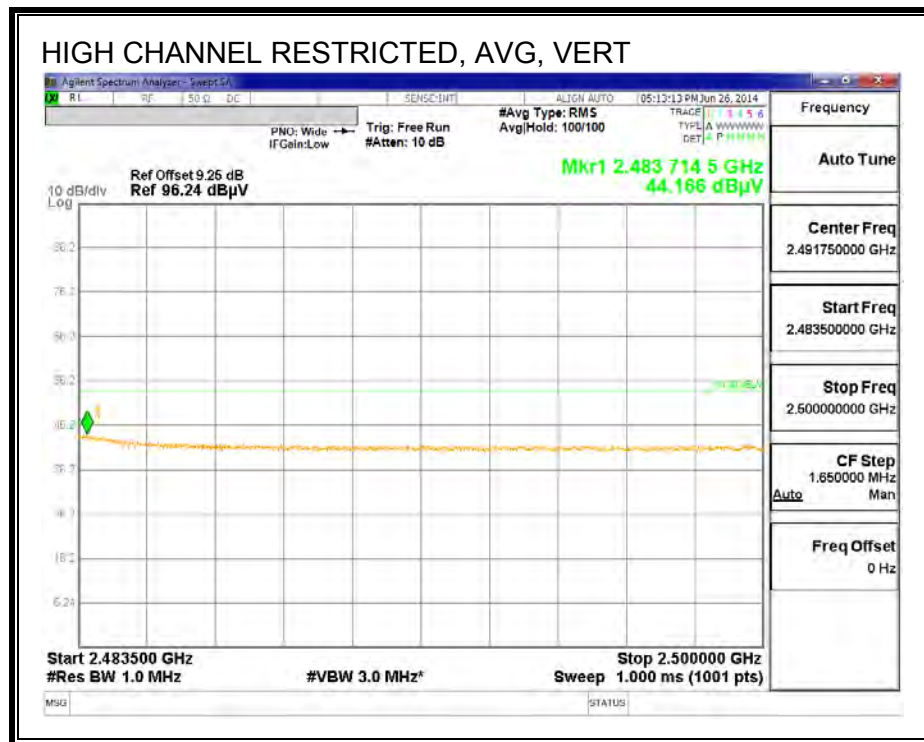
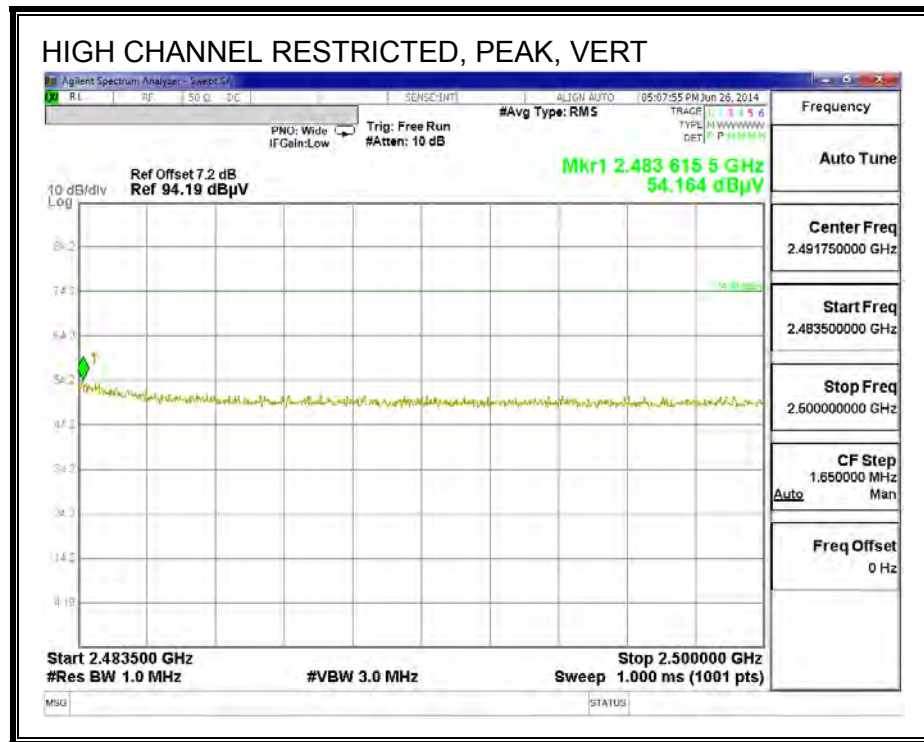
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



RESTRICTED BANEDGE (HIGH CHANNEL, HORIZONTAL)

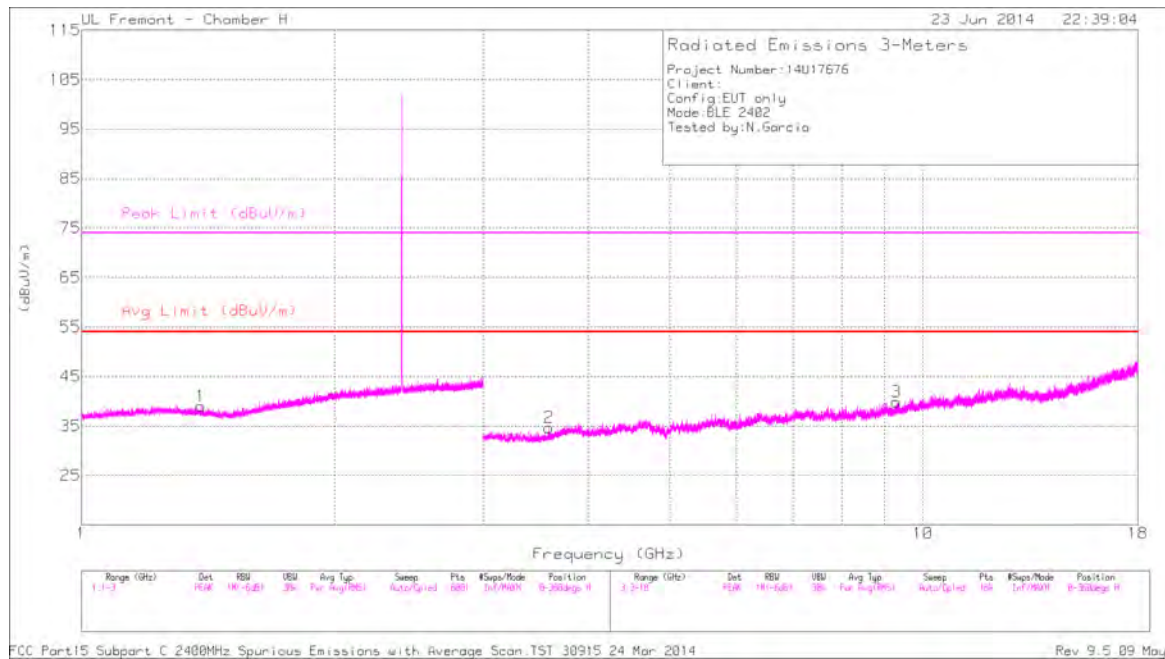


RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

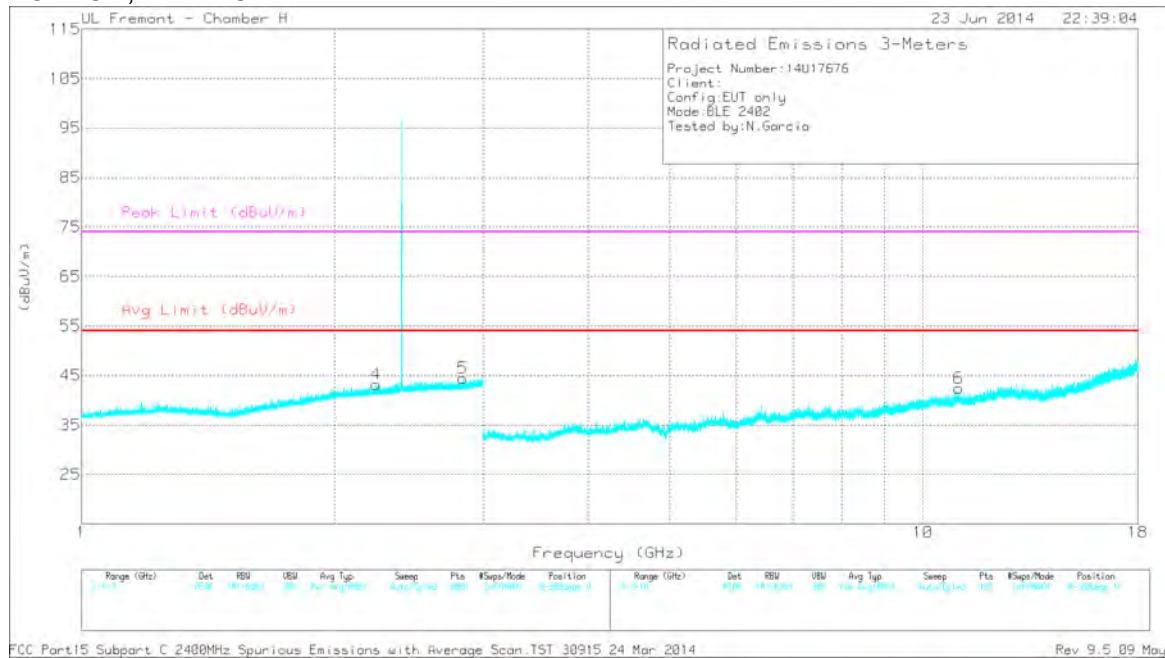


HARMONICS AND SPURIOUS EMISSIONS

LOW CH, HORIZONTAL



LOW CH, VERTICAL



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.385	36.31	PK	28.3	-25.6	39.01	-	-	74	-34.99	0-360	200	H
4	* 2.238	36.24	PK	31.7	-24.7	43.24	-	-	74	-30.76	0-360	200	V
5	* 2.837	36.11	PK	32.5	-24.2	44.41	-	-	74	-29.59	0-360	200	V
2	* 3.594	34.25	PK	33	-32.6	34.65	-	-	74	-39.35	0-360	100	H
6	* 11.017	29.72	PK	37.8	-25.1	42.42	-	-	74	-31.58	0-360	199	V
3	9.294	29.96	PK	36.6	-26.7	39.86	-	-	-	-	0-360	200	H

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

PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.385	44.41	PK2	28.3	-25.6	47.11	-	-	74	-26.89	160	170	H
* 1.384	32.56	MAV1	28.3	-25.6	35.26	54	-18.74	-	-	160	170	H
* 2.24	43.88	PK2	31.7	-24.7	50.88	-	-	74	-23.12	82	201	V
* 2.24	32.14	MAV1	31.7	-24.7	39.14	54	-14.86	-	-	82	201	V
* 2.837	43.57	PK2	32.5	-24.2	51.87	-	-	74	-22.13	142	215	V
* 2.839	32.15	MAV1	32.5	-24.2	40.45	54	-13.55	-	-	142	215	V
* 3.594	41.38	PK2	32.9	-32.6	41.68	-	-	74	-32.32	158	180	H
* 3.593	30.47	MAV1	32.9	-32.6	30.77	54	-23.23	-	-	158	180	H
* 11.019	36.47	PK2	37.8	-25.1	49.17	-	-	74	-24.83	86	103	V
* 11.017	25.6	MAV1	37.8	-25.1	38.3	54	-15.7	-	-	86	103	V
9.292	26.43	MAV1	36.6	-26.7	36.33	-	-	-	-	105	195	H
9.295	37.73	PK2	36.6	-26.6	47.73	-	-	-	-	105	195	H

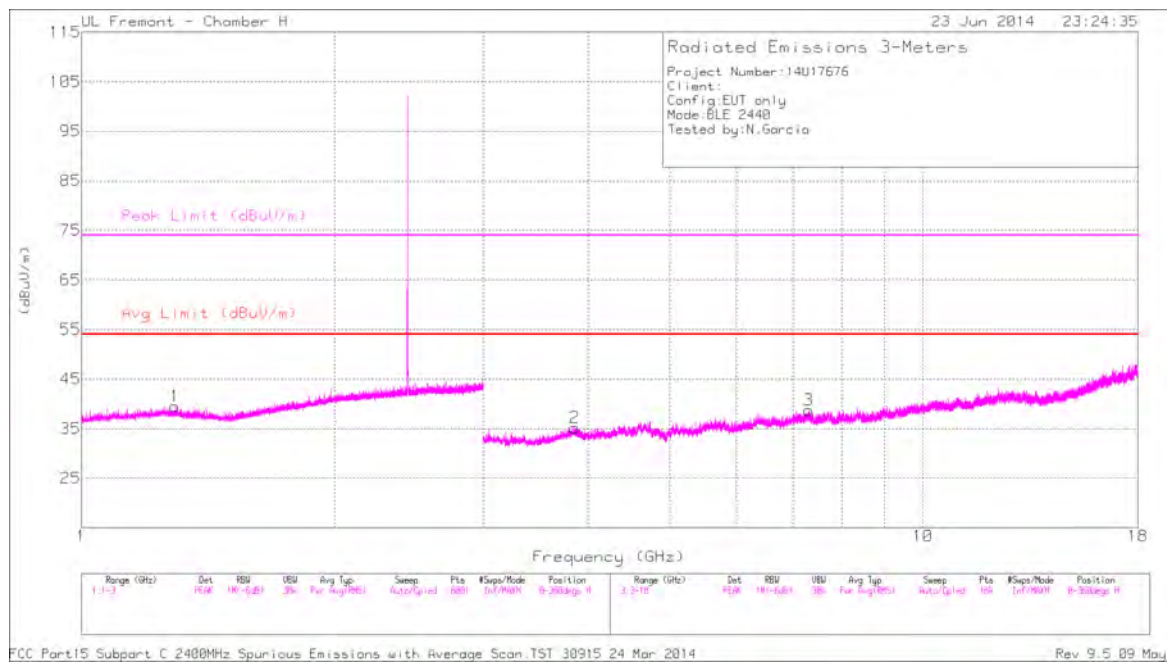
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

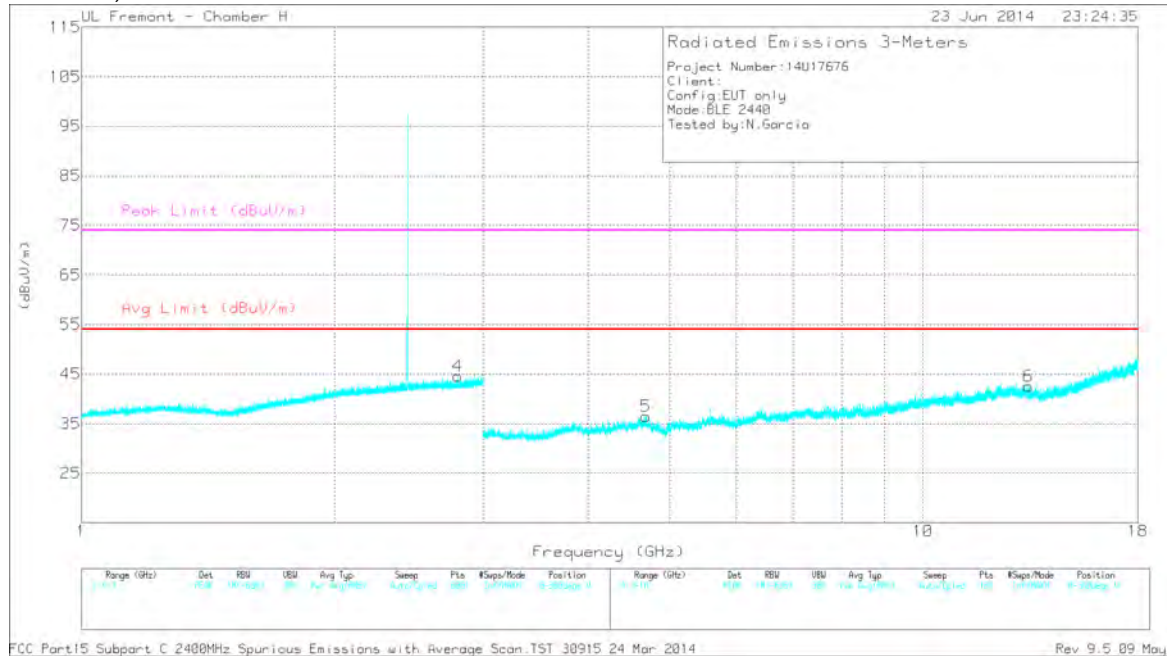
MAV1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS

MID CH, HORIZONTAL



MID CH, VERTICAL



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.293	36.55	PK	28.8	-25.8	39.55	-	-	74	-34.45	0-360	101	H
4	* 2.801	36.46	PK	32.4	-24.3	44.56	-	-	74	-29.44	0-360	201	V
2	* 3.858	34.24	PK	33.3	-32.4	35.14	-	-	74	-38.86	0-360	200	H
3	* 7.308	31.68	PK	36.2	-29.1	38.78	-	-	74	-35.22	0-360	200	H
5	* 4.682	34.13	PK	34.2	-31.9	36.43	-	-	74	-37.57	0-360	201	V
6	* 13.335	29.7	PK	39.1	-26.3	42.5	-	-	74	-31.5	0-360	201	V

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

PK - Peak detector

Radiated Emissions

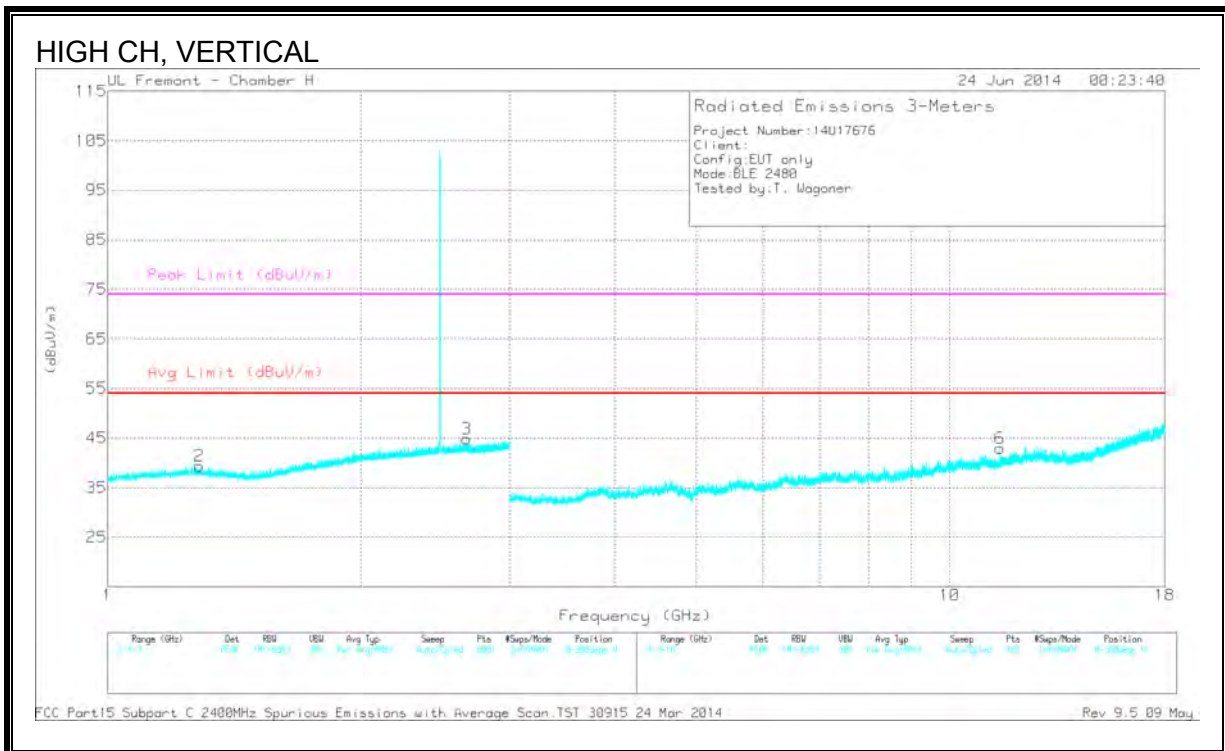
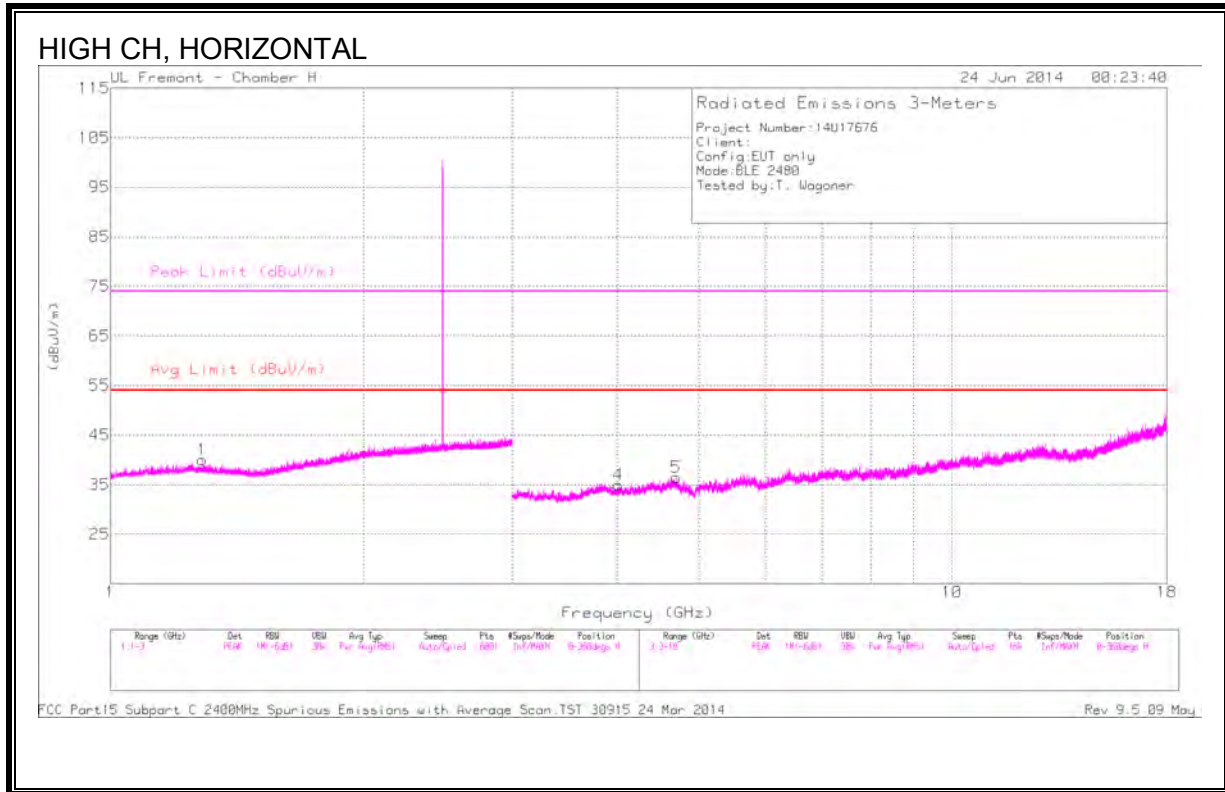
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.294	44.66	PK2	28.8	-25.8	47.66	-	-	74	-26.34	16	101	H
* 1.291	32.94	MAV1	28.8	-25.8	35.94	54	-18.06	-	-	16	101	H
* 2.8	43.64	PK2	32.4	-24.3	51.74	-	-	74	-22.26	107	147	V
* 2.803	32.11	MAV1	32.4	-24.3	40.21	54	-13.79	-	-	107	147	V
* 3.859	42.35	PK2	33.3	-32.5	43.15	-	-	74	-30.85	243	198	H
* 3.86	31.19	MAV1	33.3	-32.5	31.99	54	-22.01	-	-	243	198	H
* 7.306	39.33	PK2	36.2	-29.2	46.33	-	-	74	-27.67	126	212	H
* 7.308	28.34	MAV1	36.2	-29.1	35.44	54	-18.56	-	-	126	212	H
* 4.684	40.82	PK2	34.2	-31.8	43.22	-	-	74	-30.78	182	302	V
* 4.684	30.25	MAV1	34.2	-31.8	32.65	54	-21.35	-	-	182	302	V
* 13.335	36.74	PK2	39.1	-26.3	49.54	-	-	74	-24.46	148	247	V
* 13.333	26.04	MAV1	39.1	-26.3	38.84	54	-15.16	-	-	148	247	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.285	37.09	PK	28.8	-25.9	0	39.99	-	-	74	-34.01	0-360	100	H
2	* 1.285	36.49	PK	28.8	-25.9	0	39.39	-	-	74	-34.61	0-360	200	V
3	* 2.671	36.83	PK	32.3	-24.3	0	44.83	-	-	74	-29.17	0-360	100	V
4	* 4.012	34.07	PK	33.5	-32.6	0	34.97	-	-	74	-39.03	0-360	200	H
5	* 4.702	33.92	PK	34.2	-31.7	0	36.42	-	-	74	-37.58	0-360	200	H
6	* 11.478	30.68	PK	38.1	-25.9	0	42.88	-	-	74	-31.12	0-360	100	V

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

PK - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.284	37.08	PK2	28.8	-25.9	0	39.98	-	-	74	-34.02	0	100	H
* 1.281	32.8	MAV1	28.8	-25.9	2.1	37.8	54	-16.2	-	-	0	100	H
* 1.286	36.88	PK2	28.8	-25.9	0	39.78	-	-	74	-34.22	6	106	V
* 1.287	32.86	MAV1	28.8	-25.8	2.1	37.96	54	-16.04	-	-	6	106	V
* 2.673	36.22	PK2	32.3	-24.3	0	44.22	-	-	74	-29.78	10	102	V
* 2.669	32.16	MAV1	32.3	-24.3	2.1	42.26	54	-11.74	-	-	10	102	V
* 4.014	34.97	PK2	33.5	-32.6	0	35.87	-	-	74	-38.13	1	105	H
* 4.013	30.33	MAV1	33.5	-32.6	2.1	33.33	54	-20.67	-	-	1	105	H
* 4.699	36.52	PK2	34.2	-31.7	0	39.02	-	-	74	-34.98	133	104	H
* 4.7	29.65	MAV1	34.2	-31.7	2.1	34.25	54	-19.75	-	-	133	104	H
* 11.481	32.23	PK2	38.1	-25.9	0	44.43	-	-	74	-29.57	110	185	V
* 11.483	25.16	MAV1	38.1	-25.8	2.1	39.56	54	-14.44	-	-	110	185	V

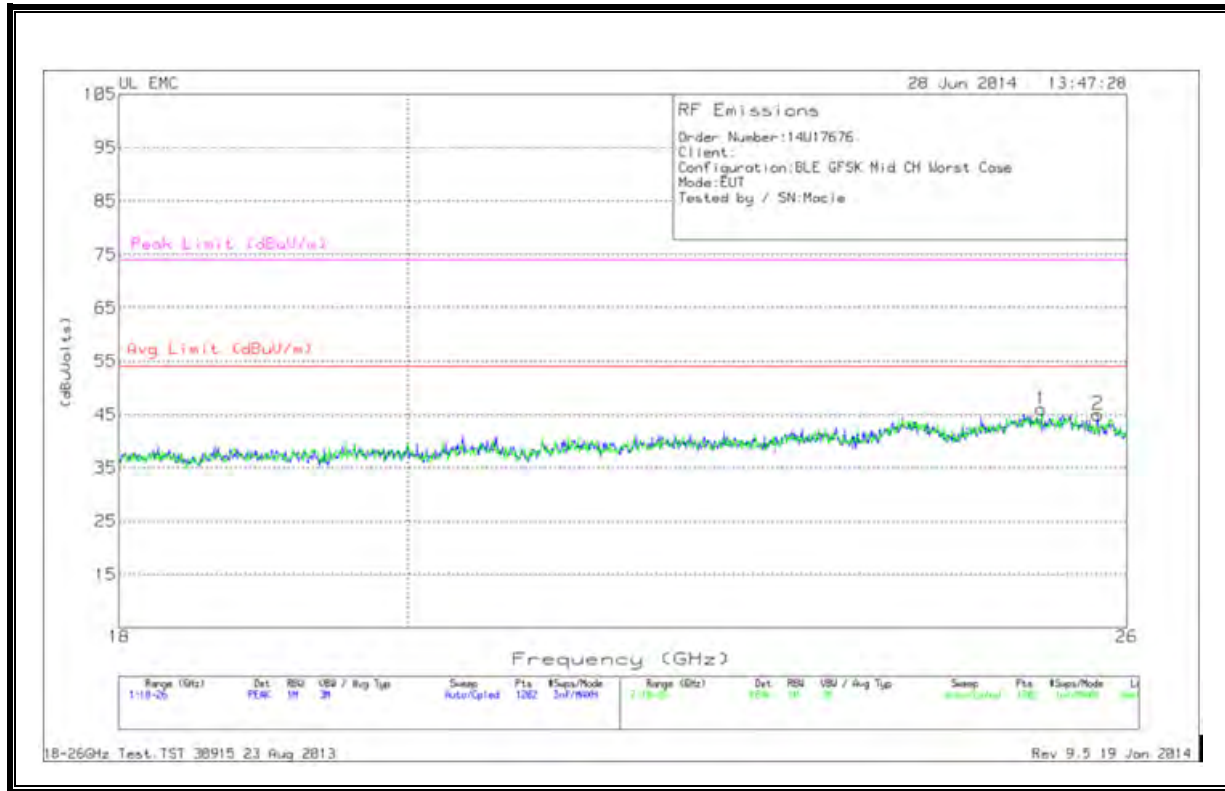
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

9.3. WORST-CASE ABOVE 18 GHz

SPURIOUS EMISSIONS 18 TO 26 GHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)



DATA

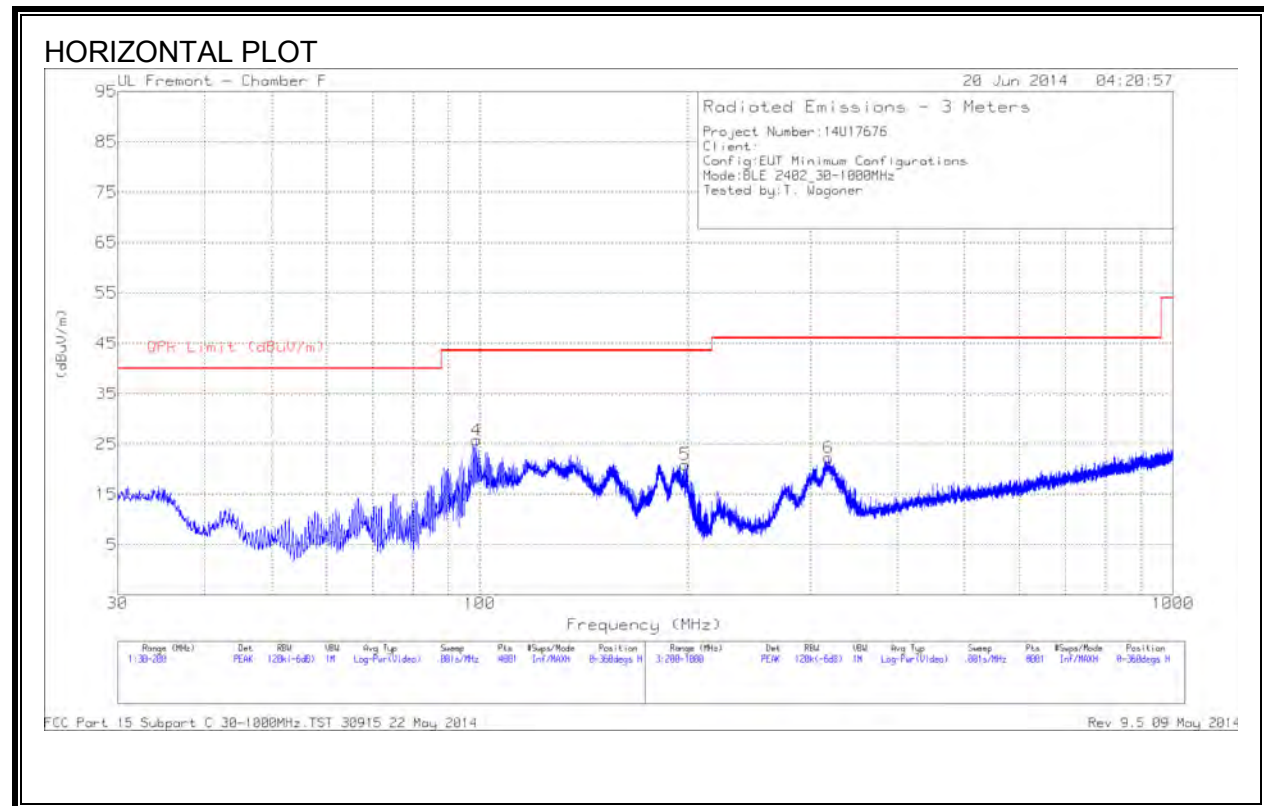
Trace Markers

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T89 (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Correcte d Reading (dBuV/m s)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	25.201	44.5	PK	33.9	-22.9	-9.5	46	54	-8	74	-28
2	25.727	43.4	PK	34.2	-23.1	-9.5	45	54	-9	74	-29

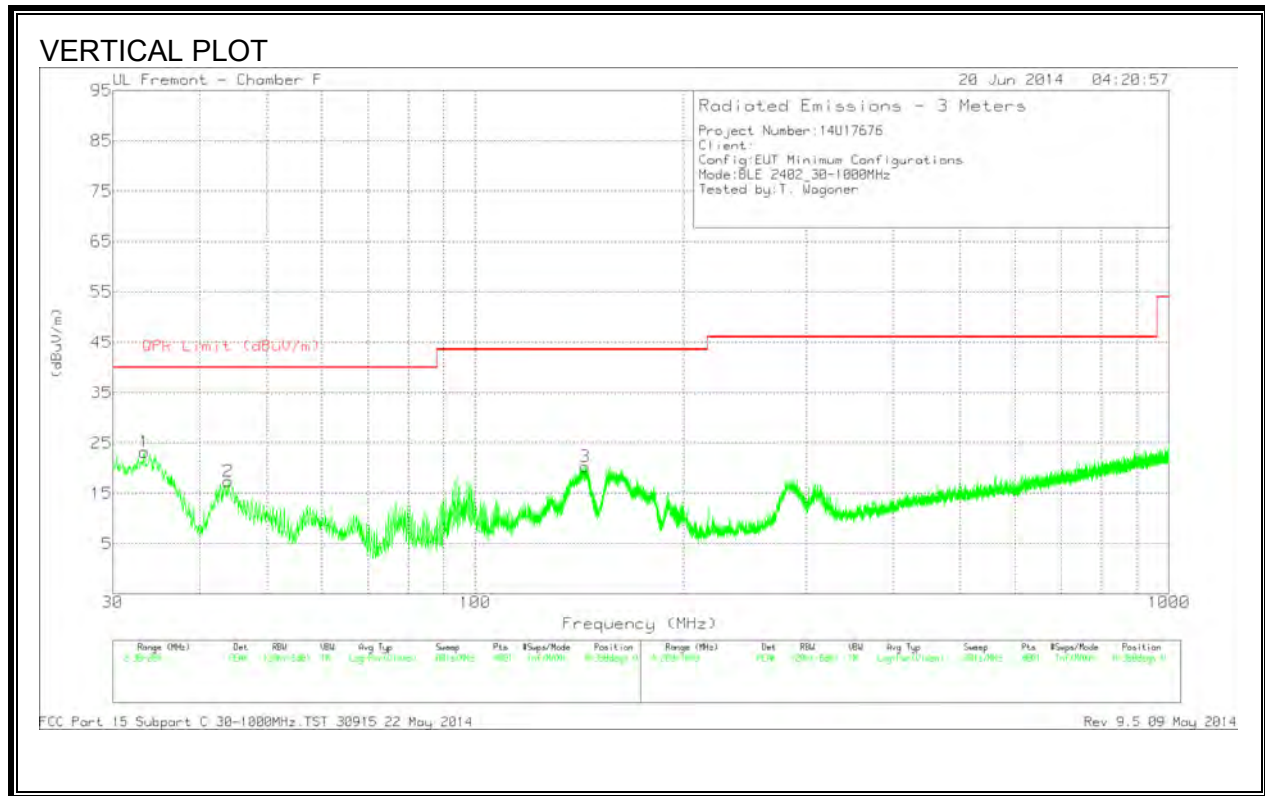
PK - Peak detector

9.4. 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)



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T122 (dB/m)	Amp/Cbl (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	98.8075	47.38	PK	9.9	-31.5	0	25.78	43.52	-17.74	0-360	300	H
5	197.6625	39.63	PK	12.4	-31.1	0	20.93	43.52	-22.59	0-360	98	H
1	33.315	36.23	PK	18.9	-31.9	0	23.23	40	-16.77	0-360	100	V
2	44.025	38.32	PK	11	-31.9	0	17.42	40	-22.58	0-360	100	V
3	144.0275	38.71	PK	12.9	-31.3	0	20.31	43.52	-23.21	0-360	100	V
6	318.3	38.95	PK	13.9	-30.6	0	22.25	46.02	-23.77	0-360	100	H

PK - Peak detector

FCC Part 15 Subpart C 30-1000MHz.TST 30915 22 May 2014

Rev 9.5 09 May 2014

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 7.2.2

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 [*]	56 to 46 [*]
0.5-5	56	46
5-30	60	50

^{*} Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

WORST EMISSIONS

Line-L1 .15 - 30MHz

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1 (dB)	LC Cables 1&3 (dB)	Corrected Reading dBuV	CISPR 22 Class B QP	Margin to Limit (dB)	CISPR 22 Class B Avg	Margin to Limit (dB)
1	.168	45.2	PK	1.2	0	46.4	65.1	-18.7	-	-
2	.168	27.45	Av	1.2	0	28.65	-	-	55.1	-26.45
3	.771	45.88	PK	.3	0	46.18	56	-9.82	-	-
4	.771	32.85	Av	.3	0	33.15	-	-	46	-12.85
5	18.4245	32.75	PK	.3	.2	33.25	60	-26.75	-	-
6	18.4245	20.06	Av	.3	.2	20.56	-	-	50	-29.44

Line-L2 .15 - 30MHz

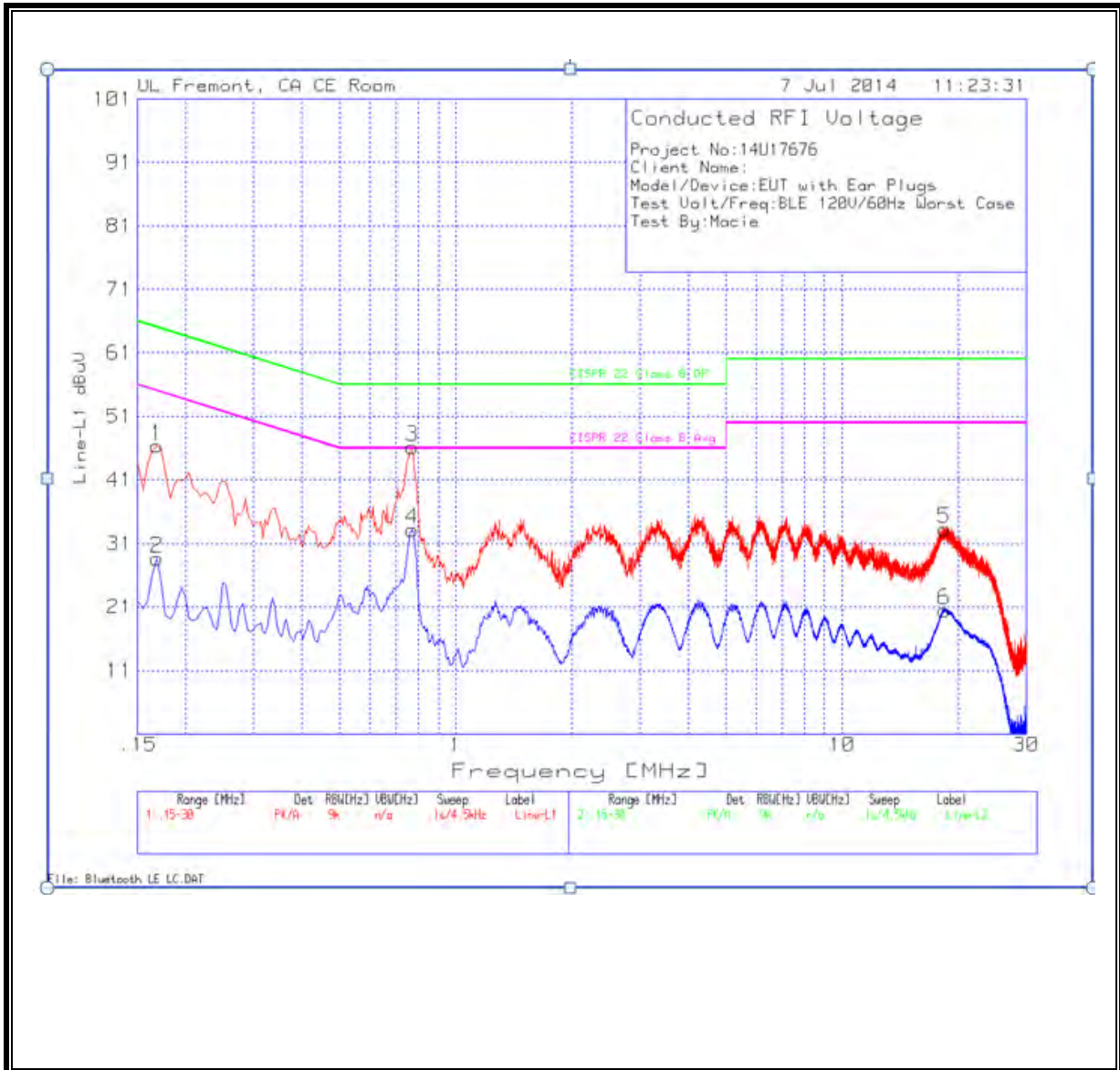
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2 (dB)	LC Cables 2&3 (dB)	Corrected Reading dBuV	CISPR 22 Class B QP	Margin to Limit (dB)	CISPR 22 Class B Avg	Margin to Limit (dB)
7	.168	43.73	PK	1.3	0	45.03	65.1	-20.07	-	-
8	.168	23.76	Av	1.3	0	25.06	-	-	55.1	-30.04
9	.7665	43.98	PK	.3	0	44.28	56	-11.72	-	-
10	.7665	27.54	Av	.3	0	27.84	-	-	46	-18.16
11	18.7035	31.12	PK	.3	.2	31.62	60	-28.38	-	-
12	18.7035	13.33	Av	.3	.2	13.83	-	-	50	-36.17

PK - Peak detector

Av - average detection

LINE 1 RESULTS



LINE 2 RESULTS

