

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

CERTIFICATION TEST REPORT

FOR

GLASS

MODEL NUMBER: XEB

FCC ID: A4R-X1

REPORT NUMBER: 12U14656-2, REVISION A

ISSUE DATE: FEBRUARY 26, 2012

Prepared for GOOGLE INC.
1600 AMPHITHEATRE PARKWAY MOUNTAIN VIEW CA, 94043, U.S.A

Prepared by
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NVLAP LAB CODE 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
	11/29/12	Initial Issue	T. LEE
	02/26/13	Updated b mode Power to 15 dBm	T. LEE

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: GOOGLE INC.

1600 AMPHITHEATRE PARKWAY MOUNTAIN VIEW, CA, 94043, U.S.A

EUT DESCRIPTION: GLASS

MODEL: XEB

SERIAL NUMBER: 015498FC0A011010

DATE TESTED: NOVEMBER 19-28, 2012 and FEBRUARY 26, 2013

APPLICABLE STANDARDS

STANDARD

TEST RESULTS

CFR 47 Part 15 Subpart C

Pass

UL CCS 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 CCS 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 CCS and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL CCS 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 CCS By:

Tested By:

TIM LEE

WISE PROJECT MANAGER

UL CCS

THANH NGUYEN EMC ENGINEER

Maukon guym

UL CCS

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 C63.10-2003, RSS-GEN Issue 3, and RSS-210 Issue 8.

DATE: FEBRUARY 26, 2013

3. FACILITIES AND ACCREDITATION

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

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

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

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

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB) 36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	3.52 dB
Radiated Disturbance, 30 to 1000 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 glass providing a heads-up video display. The device incorporates an 802.11 b/g 2.4 GHz WLAN and BT, BT-LE radio. This report covers the 802.11b/g/ transceiver.

The radio module is manufactured by Broadcom.

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum conducted output power as follows:

Frequency Range	Mode	Output Power	Output Power
(MHz)		(dBm)	(mW)
2412 - 2462	802.11b	18.41	69.34
2412 - 2462	802.11g	23.72	235.5

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes a coaxial monopole antenna, with a maximum gain is 3.32 dBi.

5.4. SOFTWARE AND FIRMWARE

The firmware/software installed in the EUT during testing was 20121114095638.

5.5. WORST-CASE CONFIGURATION AND MODE

Radiated emission and power line conducted emission were performed with the EUT plays the video srcipt with audio 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 Z orientation (Side with glass at the top) was worst-case orientation; therefore, all final radiated testing was performed with the EUT in Z orientation.

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

802.11b mode: 1 Mbps 802.11g mode: 6 Mbps

5.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List					
Description	Manufacturer	Model	Serial Number	FCC ID	
AC Charger	GOOGLE	10AG212020	N/A	N/A	

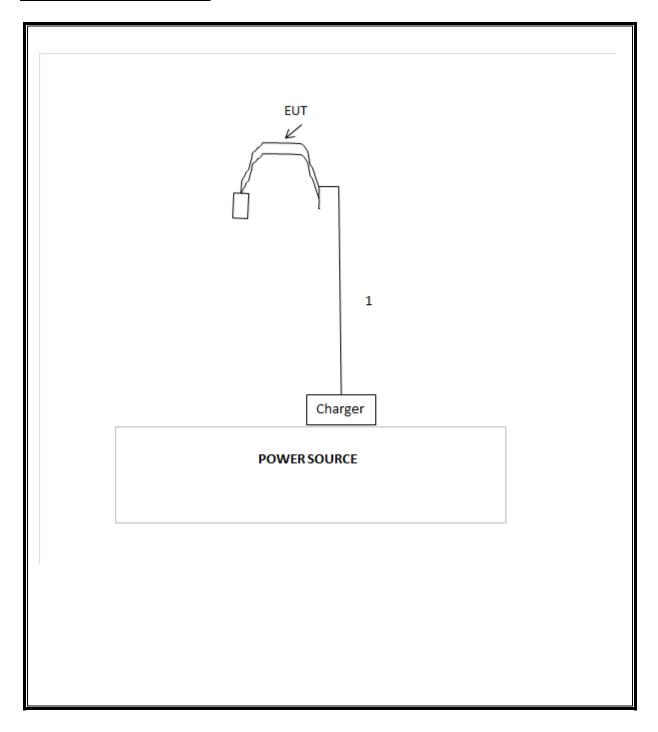
I/O CABLES

	I/O Cable List						
Cable	Port	# of identical	Connector	Cable Type	Cable	Remarks	
No		ports	Туре		Length (m)		
1	DC	1	USB	Shielded	1.2	No	

TEST SETUP

The EUT was at the worst position and connected to the charger played the video script and transmit the worst case WiFi when tested.

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 Date	Cal Due
Antenna, Horn, 18 GHz	EMCO	3115	C00872	09/20/12	09/20/13
Spectrum Analyzer, 44 GHz	Agilent / HP	E4446A	C01012	10/21/12	10/21/13
Preamplifier, 26.5 GHz	Agilent / HP	8449B	C00749	10/21/12	10/21/13
Preamplifier, 1300 MHz	Agilent / HP	8447D	C00558	02/21/12	02/21/13
Bilog 30-2000MHz	Sunol	JB1	C01071	01/26/12	01/26/13
Power meter	HP	437B	T226	06/25/12	06/25/13
Power Sensor	HP	8481A	T233	06/26/12	06/26/13
LISN, 30 MHz	FCC	LISN-50/250-25	N02625	12/13/11	12/13/12
LISN, 10 kHz ~ 30 MHz	Solar	8012-50-R-24-B	N02481	03/07/12	03/07/13
EMI Test Receiver	R&S	ESC20	N02396	08/18/12	08/18/13

7. MEASUREMENT METHODS

7.1. DUTY CYCLE

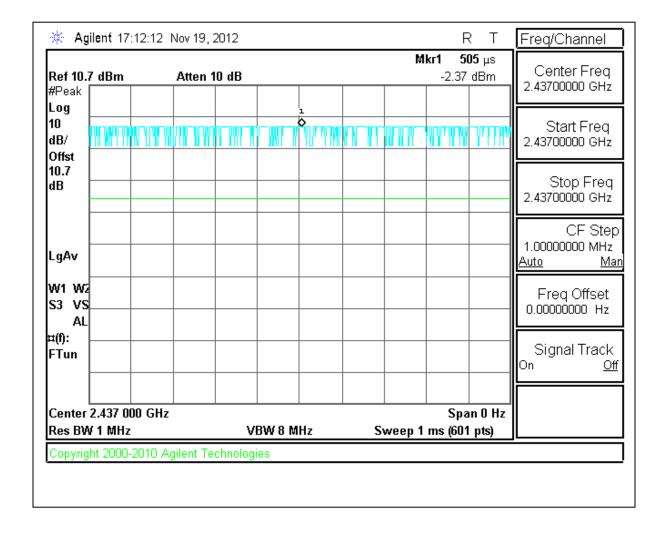
LIMITS

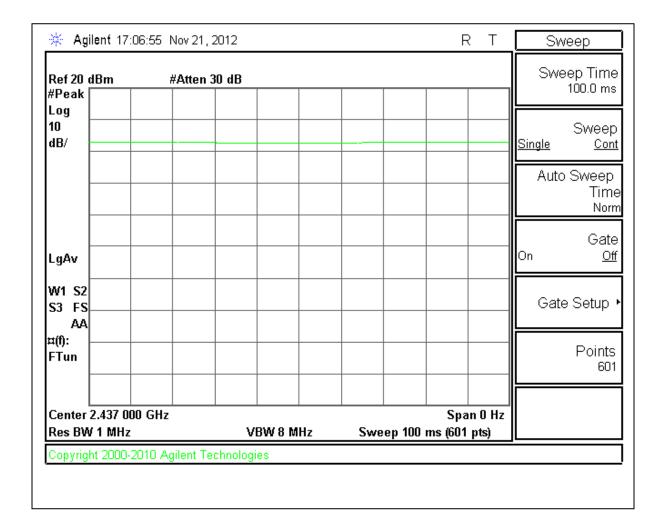
None; for reporting purposes only.

Mode	Tx on	Tx on + Tx off	Duty Cycle	Duty Cycle Correction Factor
	(usec)	(usec)	(%)	(dB)
802.11b	1000	1000	100.00	0.00
802.11g	1420	1457	97.46	0.11

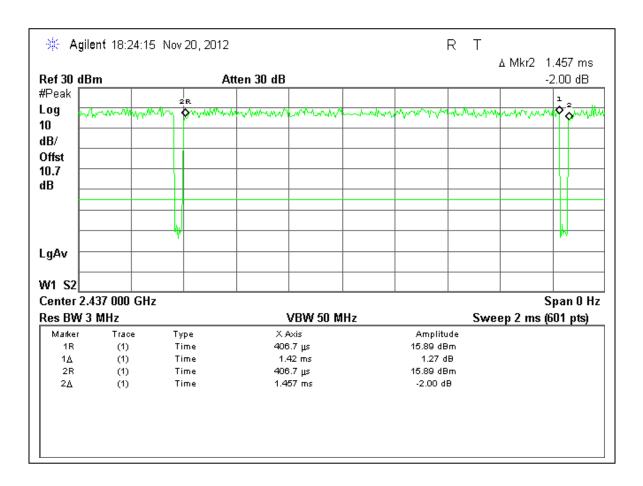
Duty Cycle b Mode

Note: Unit has a continuous on time of more than 100ms.





Duty Cycle g Mode



8. ANTENNA PORT TEST RESULTS

8.1. 802.11b MODE IN THE 2.4 GHz BAND

8.1.1. 6 dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

IC RSS-210 A8.2 (a)

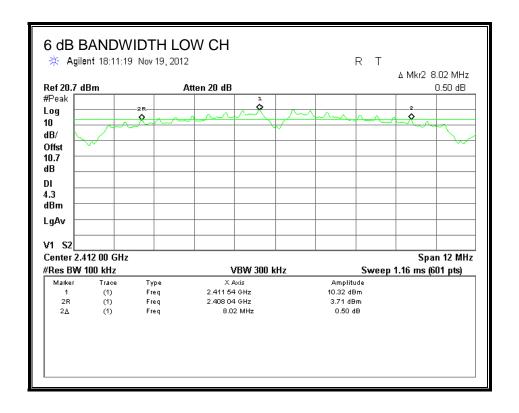
The minimum 6 dB bandwidth shall be at least 500 kHz.

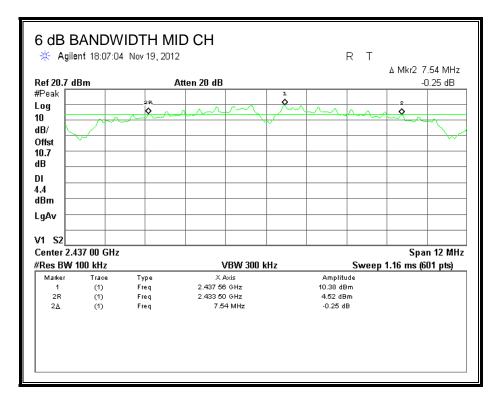
TEST PROCEDURE

The transmitter output is connected to a spectrum analyzer with the RBW set between 1% and 5% of the EBW, the VBW \geq 3 x RBW, peak detector and max hold.

Channel Frequency		6 dB Bandwidth	Minimum Limit	
	(MHz)	(MHz)	(MHz)	
Low	2412	8.020	0.5	
Mid	2437	7.540	0.5	
High	2462	8.000	0.5	

6 dB BANDWIDTH





8.1.2. 99% BANDWIDTH

LIMITS

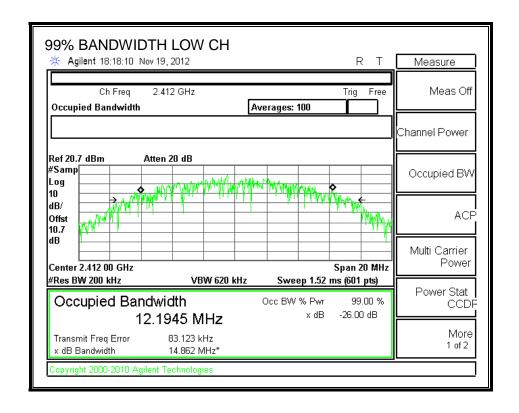
None; for reporting purposes only.

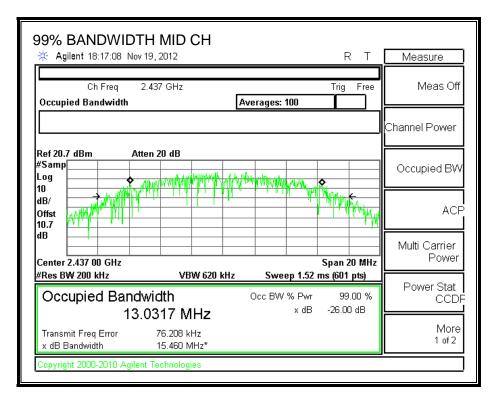
TEST PROCEDURE

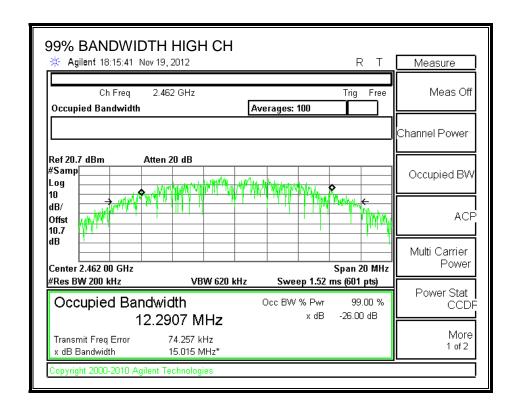
The transmitter output is connected to the spectrum analyzer. The RBW is set to 1% to 3% of the 99 % bandwidth and to 1% of the span. The VBW is set to 3 times the RBW. The sweep time is coupled. The spectrum analyzer internal 99% bandwidth function is utilized.

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	2412	12.1950
Mid	2437	13.0317
High	2462	12.2907

99% BANDWIDTH







8.1.3. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 10.7 dB (including 10 dB pad and .7 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

Channel	Frequency	Power
	(MHz)	(dBm)
Low	2412	15.0
Mid	2437	15.0
High	2462	15.0

8.1.4. OUTPUT POWER

LIMITS

FCC §15.247

IC RSS-210 A8.4

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.

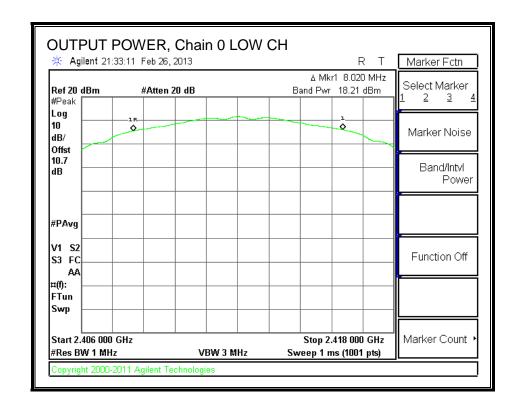
DATE: FEBRUARY 26, 2013

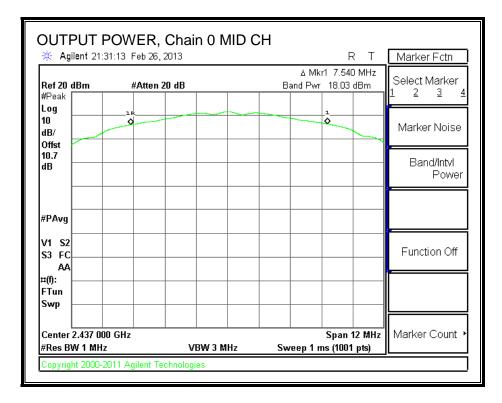
DIRECTIONAL ANTENNA GAIN

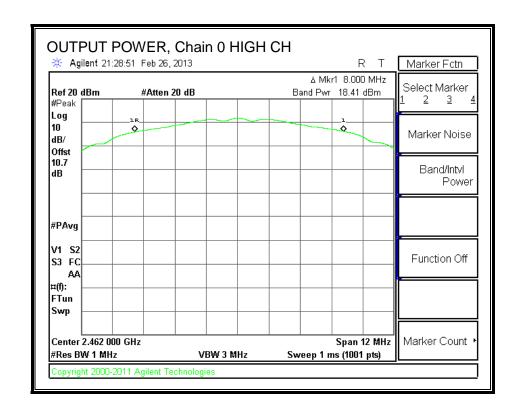
There is only one transmitter output therefore the directional gain is equal to the antenna gain.

Channel	Frequency	Chain 0	Total	Power	Margin
		Meas	Corr'd	Limit	
		Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dB)
Low	2412	18.21	18.21	30.00	-11.79
Mid	2437	18.03	18.03	30.00	-11.97
High	2462	18.41	18.41	30.00	-11.59

OUTPUT POWER, Chain 0







DATE: FEBRUARY 26, 2013

8.1.5. PSD

LIMITS

FCC §15.247

IC RSS-210 A8.2

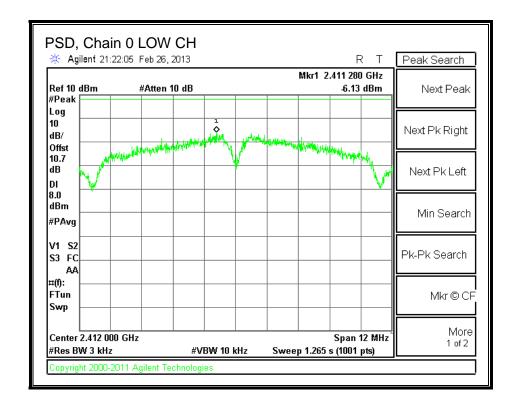
The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

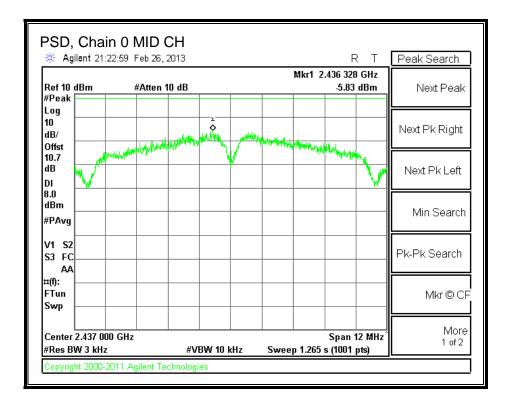
RESULTS

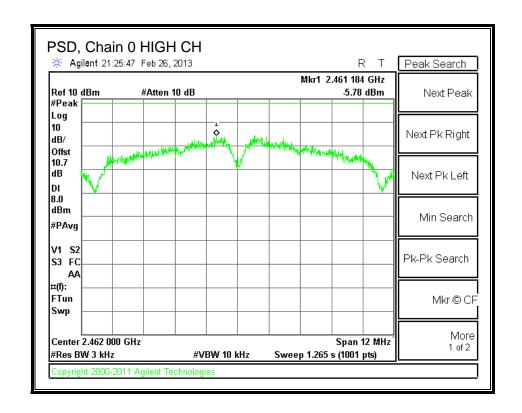
PSD Results

Channel	Frequency	Chain 0	Limit	Margin
		Meas		
	(MHz)	(dBm)	(dBm)	(dB)
Low	2412	-6.13	8.0	-14.1
Mid	2437	-5.83	8.0	-13.8
High	2462	-5.78	8.0	-13.8

PSD, Chain 0







REPORT NO: 12U14656-2A FCC ID: A4R-X1

8.1.6. OUT-OF-BAND EMISSIONS

LIMITS

FCC §15.247 (d)

IC RSS-210 A8.5

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.

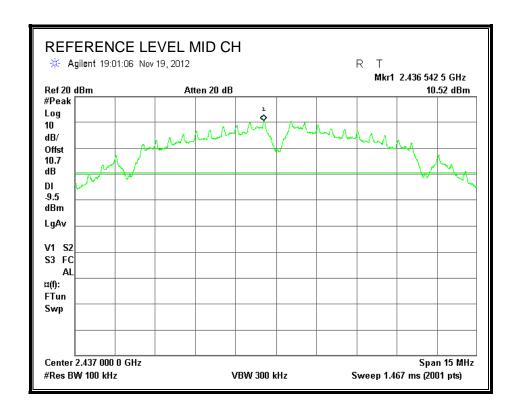
DATE: FEBRUARY 26, 2013

TEST PROCEDURE

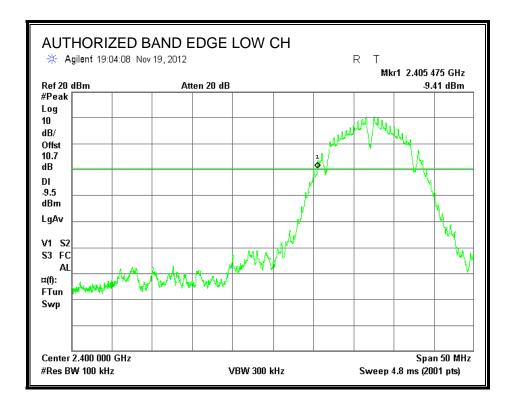
The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the inband reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions.

RESULTS

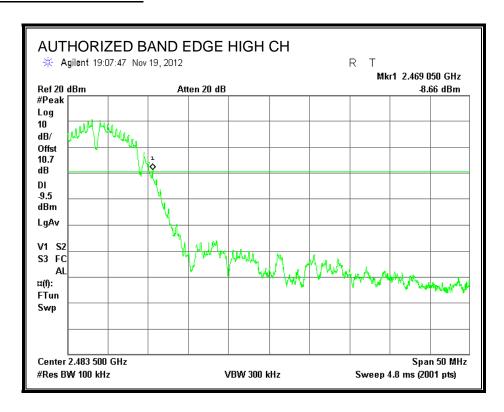
IN-BAND REFERENCE LEVEL



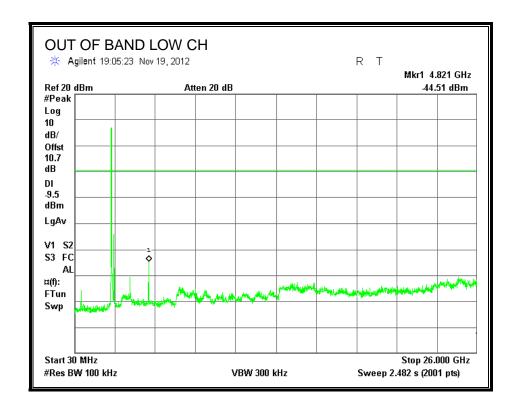
LOW CHANNEL BANDEDGE

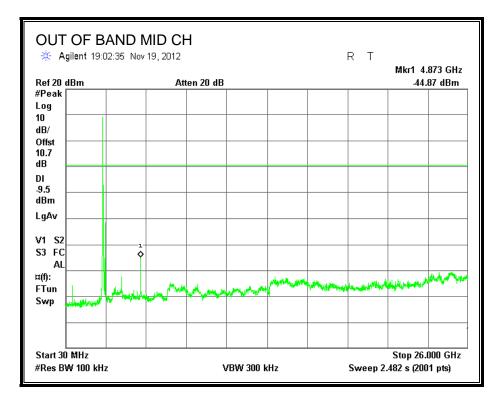


HIGH CHANNEL BANDEDGE



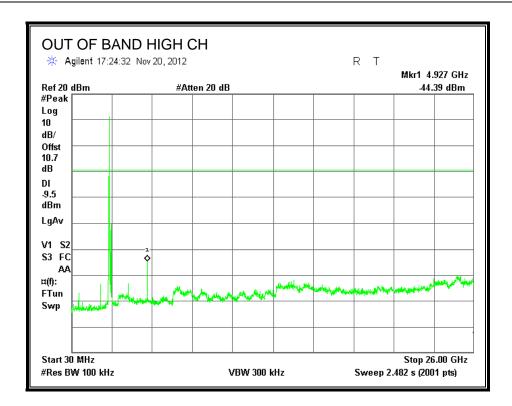
OUT-OF-BAND EMISSIONS





REPORT NO: 12U14656-2A DATE: FEBRUARY 26, 2013

FCC ID: A4R-X1



8.2. 802.11g MODE IN THE 2.4 GHz BAND

8.2.1. 6 dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

IC RSS-210 A8.2 (a)

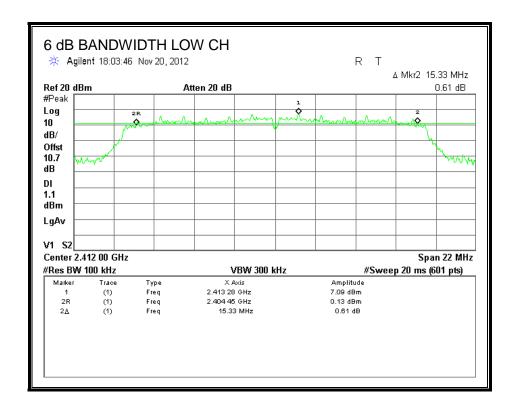
The minimum 6 dB bandwidth shall be at least 500 kHz.

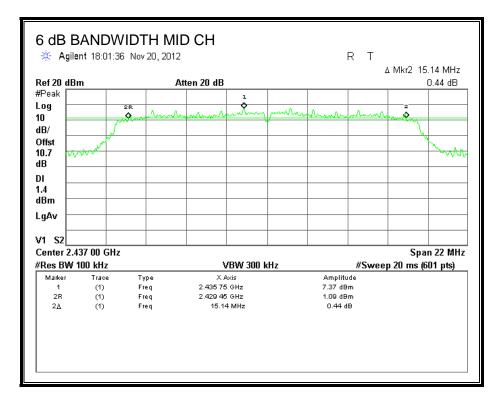
TEST PROCEDURE

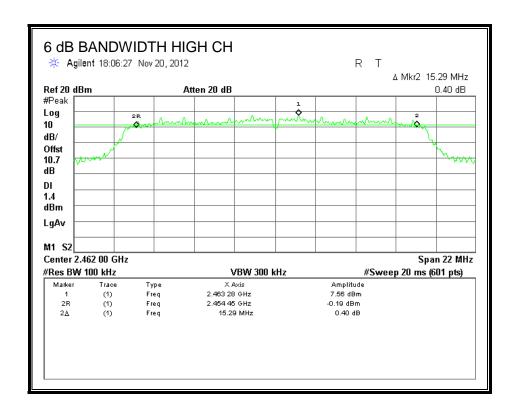
The transmitter output is connected to a spectrum analyzer with the RBW set between 1% and 5% of the EBW, the VBW >= 3 x RBW, peak detector and max hold.

Frequency	6 dB Bandwidth	Minimum Limit
(MHz)	(MHz)	(MHz)
2412	15.330	0.5
2437	15.140	0.5
2462	15.290	0.5

6 dB BANDWIDTH







8.2.2. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

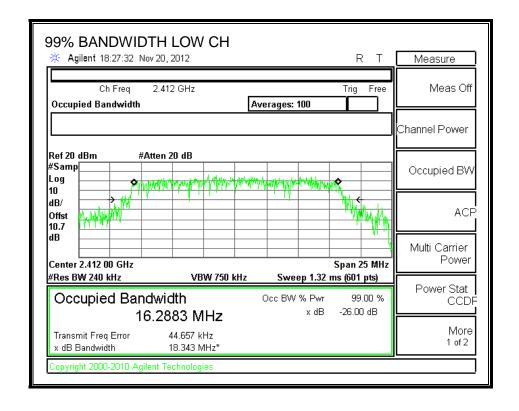
TEST PROCEDURE

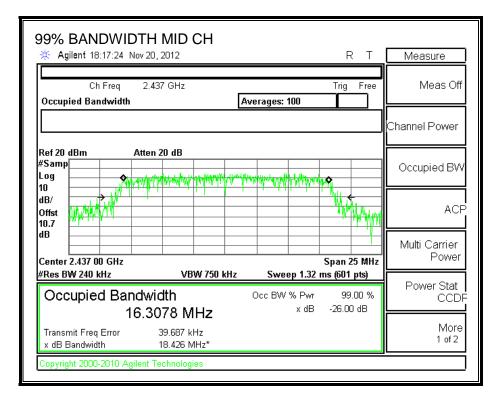
The transmitter output is connected to the spectrum analyzer. The RBW is set to 1% to 3% of the 99 % bandwidth and to 1% of the span. The VBW is set to 3 times the RBW. The sweep time is coupled. The spectrum analyzer internal 99% bandwidth function is utilized.

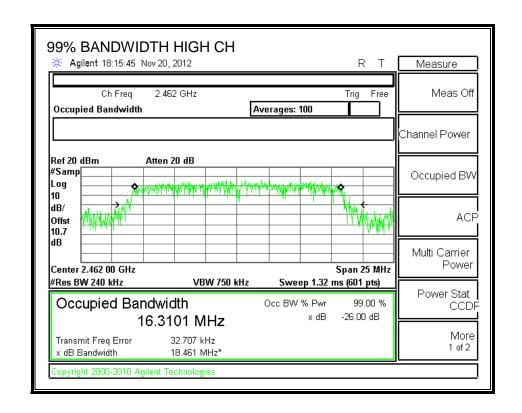
RESULTS

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	2412	16.2833
Mid	2437	16.3078
High	2462	16.3101

99% BANDWIDTH







8.2.3. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 10.7 dB (including 10 dB pad and .7 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

RESULTS

Channel	Frequency	Power
	(MHz)	(dBm)
Low	2412	14.70
Mid	2437	15.00
High	2462	15.00

8.2.4. OUTPUT POWER

LIMITS

FCC §15.247

IC RSS-210 A8.4

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.

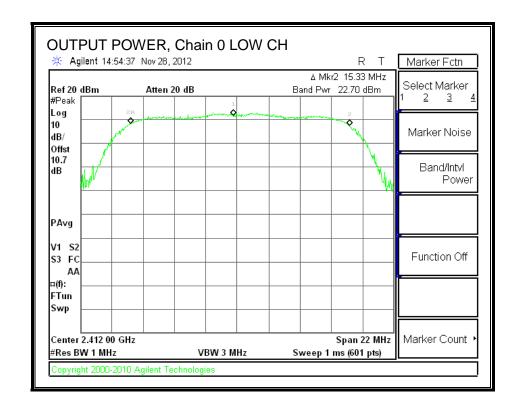
DIRECTIONAL ANTENNA GAIN

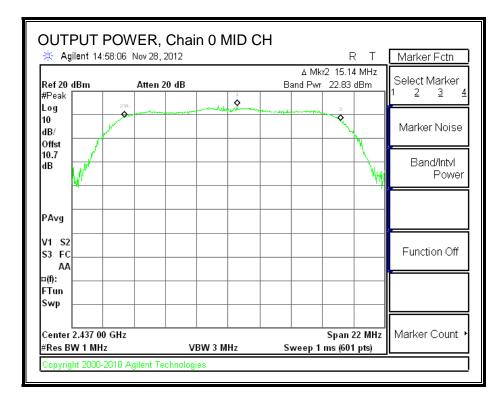
There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

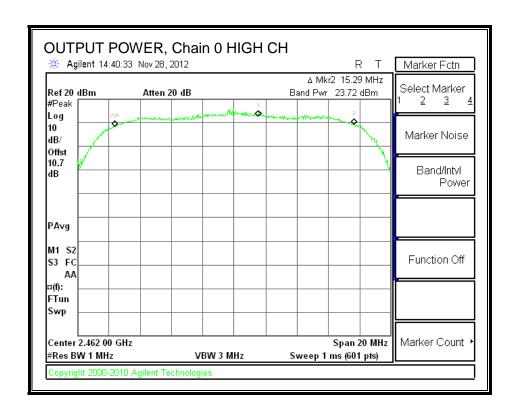
Channel	Frequency	Chain 0	Total	Power	Margin
		Meas	Corr'd	Limit	
		Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dB)
Low	2412	22.70	22.70	30.00	-7.30
Mid	2437	22.83	22.83	30.00	-7.17
High	2462	23.72	23.72	30.00	-6.28

OUTPUT POWER, Chain 0





DATE: FEBRUARY 26, 2013



8.2.5. PSD

LIMITS

FCC §15.247

IC RSS-210 A8.2

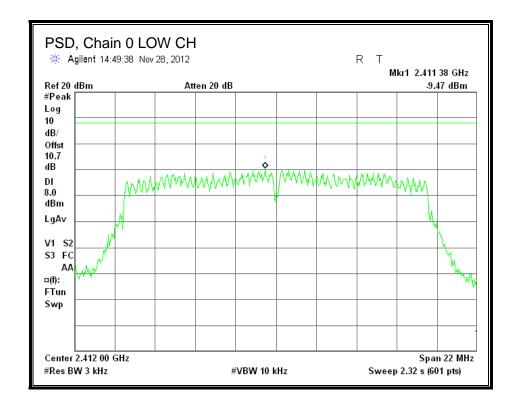
The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

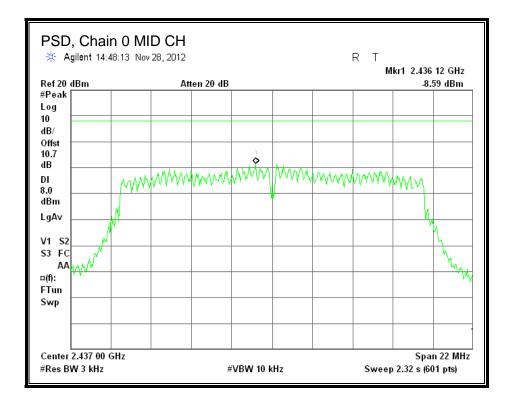
RESULTS

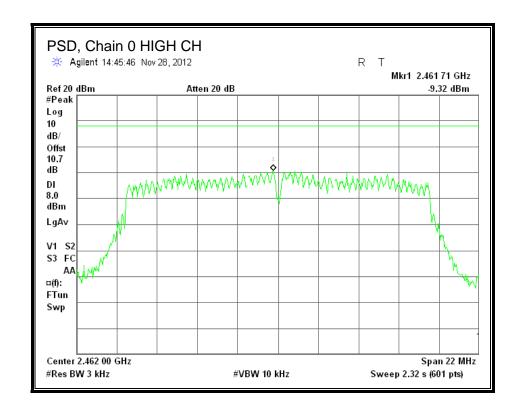
PSD Results

Channel	Frequency	Chain 0	Limit	Margin
		Meas		
	(MHz)	(dBm)	(dBm)	(dB)
Low	2412	-9.47	8.0	-17.5
Mid	2437	-8.59	8.0	-16.6
High	2462	-9.32	8.0	-17.3

PSD, Chain 0







8.2.6. OUT-OF-BAND EMISSIONS

LIMITS

FCC §15.247 (d)

IC RSS-210 A8.5

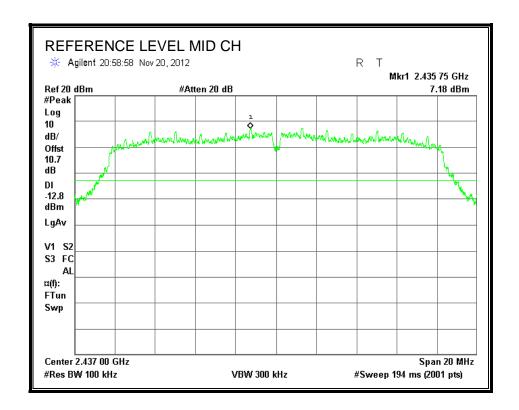
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the 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

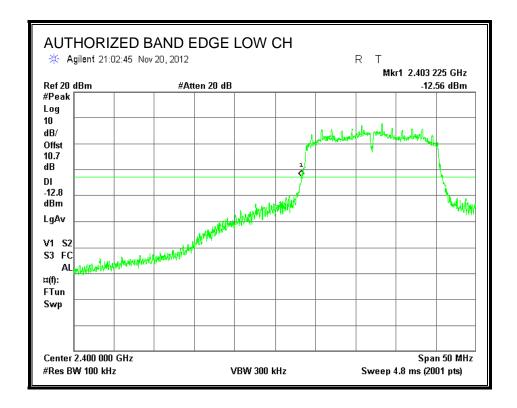
The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the inband reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions.

RESULTS

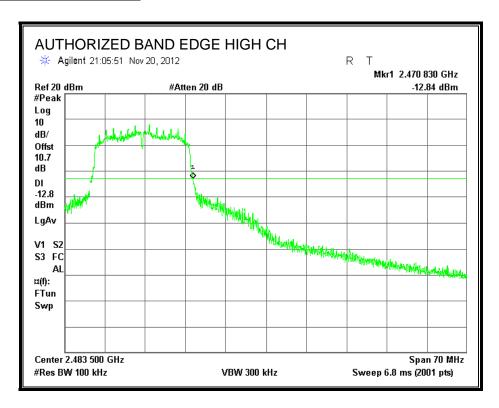
IN-BAND REFERENCE LEVEL



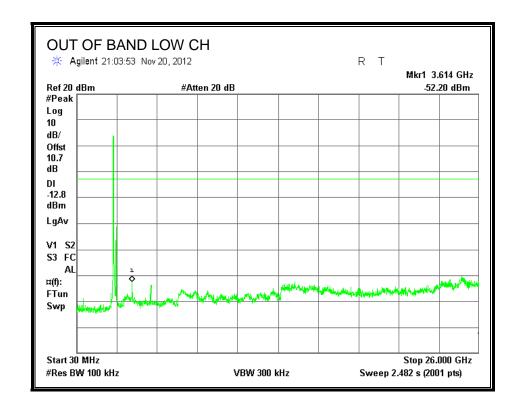
LOW CHANNEL BANDEDGE

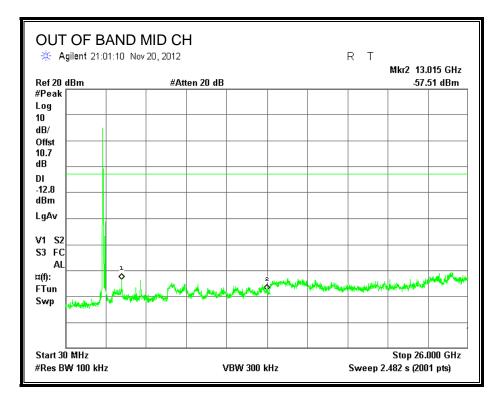


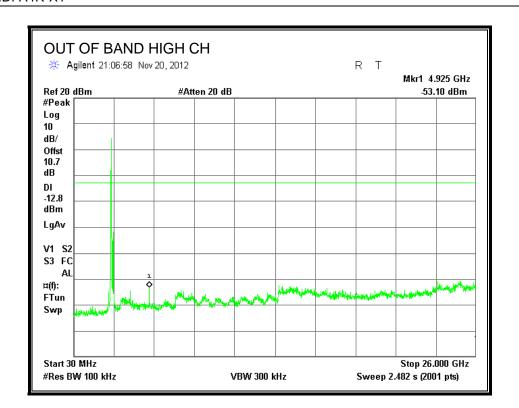
HIGH CHANNEL BANDEDGE



OUT-OF-BAND EMISSIONS







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.

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 1 MHz for peak measurements and as applicable for average measurements.

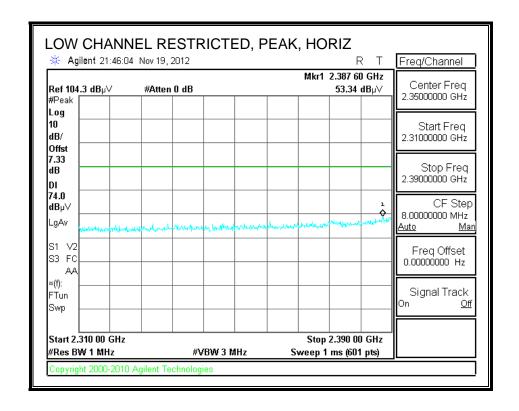
The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

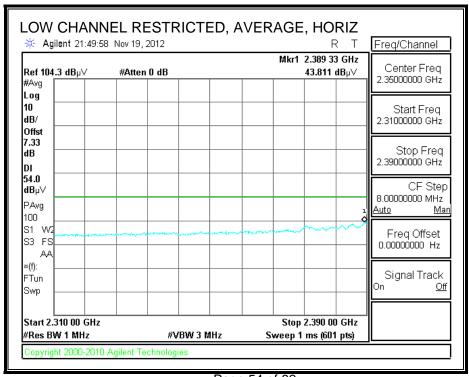
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

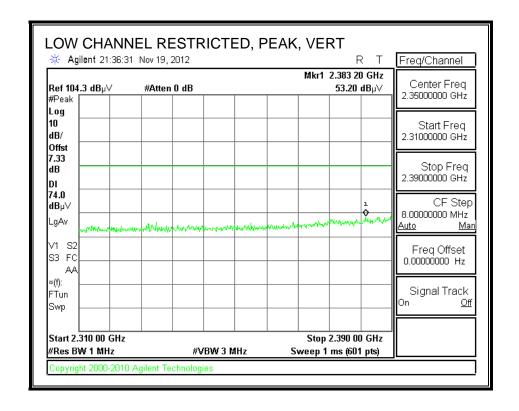
9.2. TRANSMITTER ABOVE 1 GHz

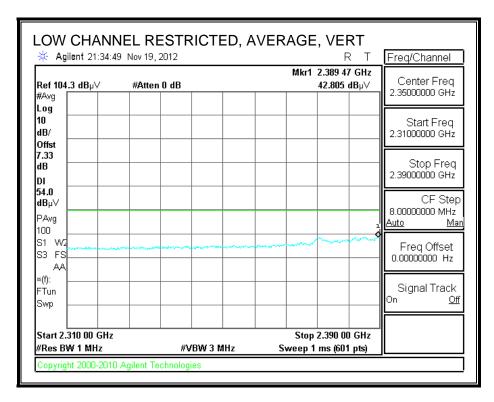
9.2.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

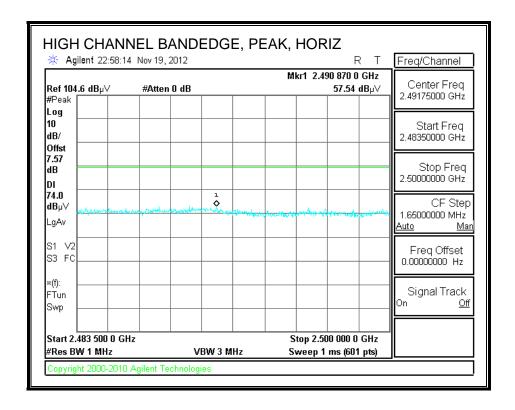


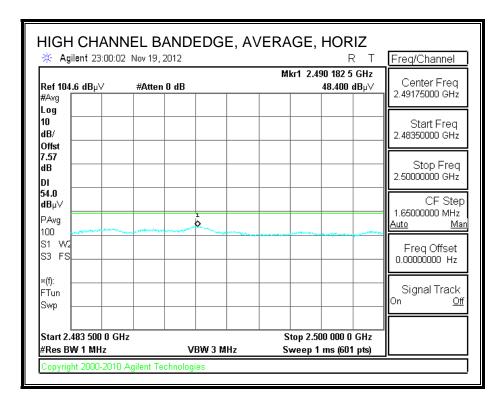


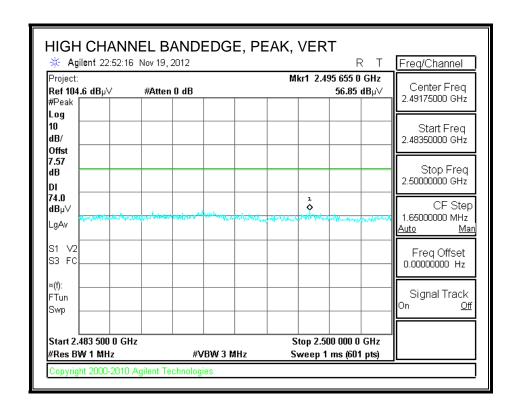


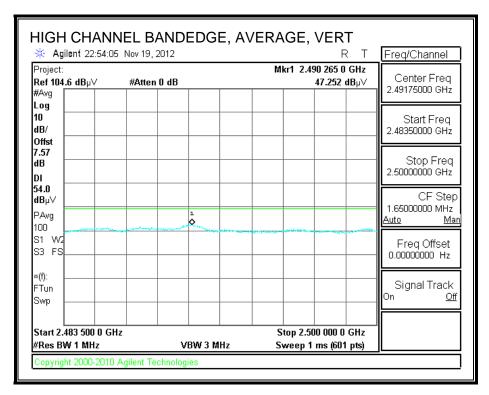


AUTHORIZED BANDEDGE (HIGH CHANNEL)

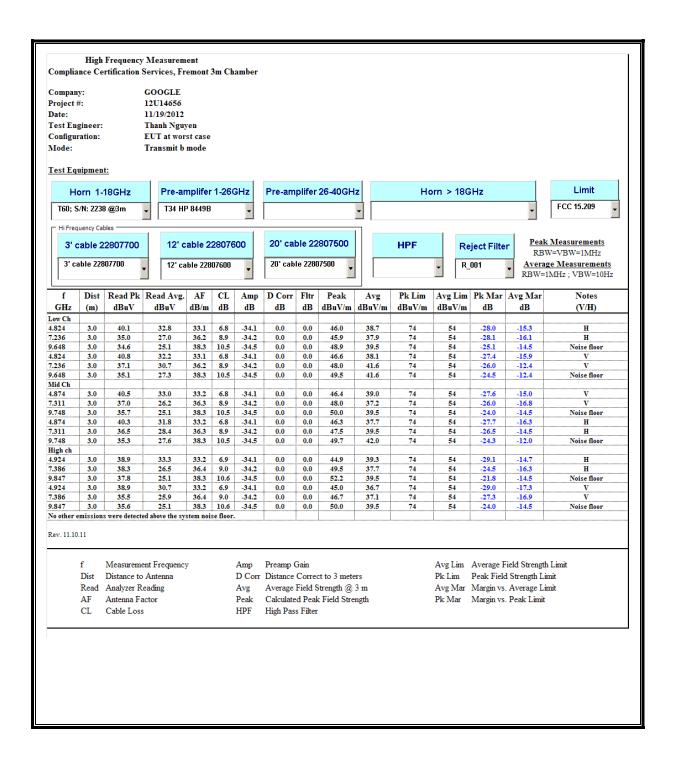






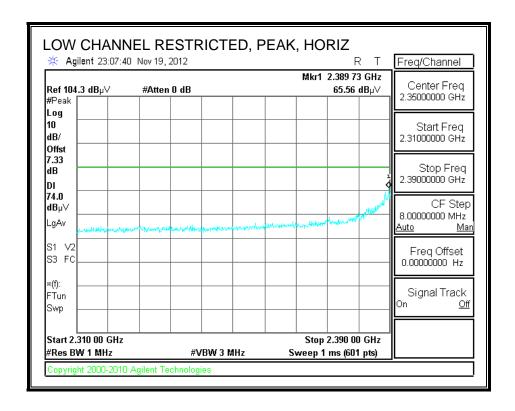


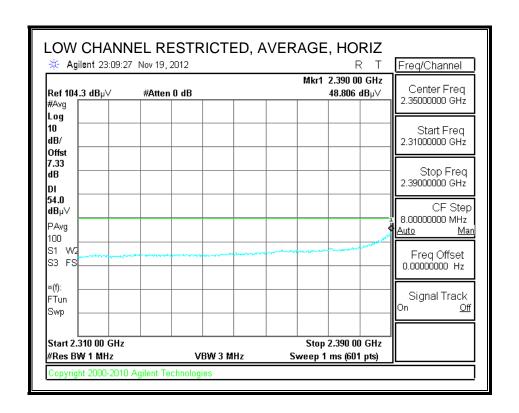
HARMONICS AND SPURIOUS EMISSIONS



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

RESTRICTED BANDEDGE (LOW CHANNEL)

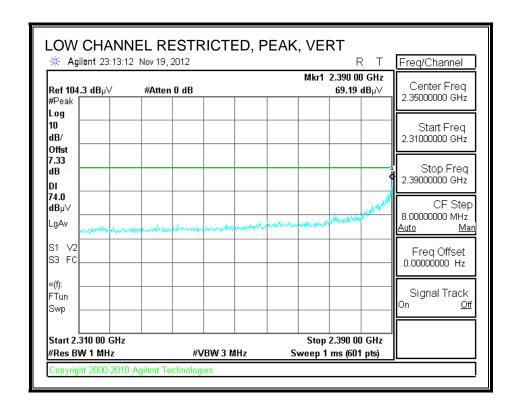


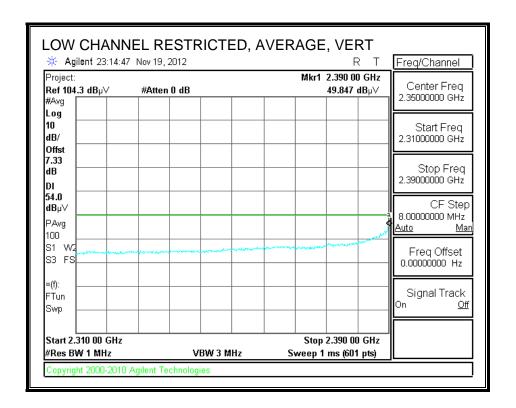


Actual Average = Measured Average + Correction Factor

= 48.806 dBuV + .11

= 48.916 dBuV



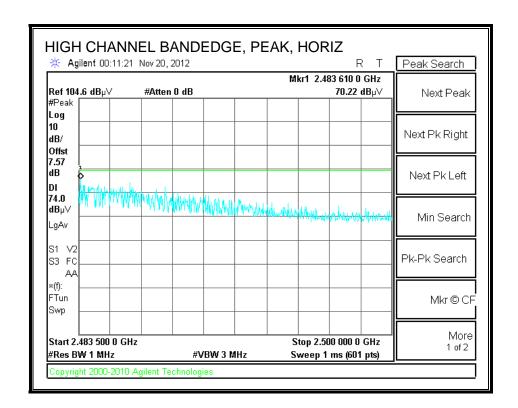


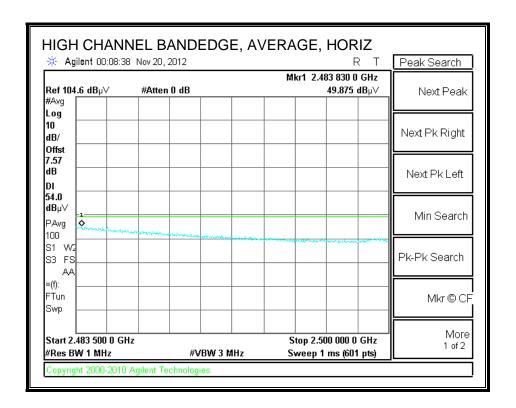
Actual Average = Measured Average + Correction Factor

= 49.847 dBuV + .11

= 49.957 dBuV

AUTHORIZED BANDEDGE (HIGH CHANNEL)

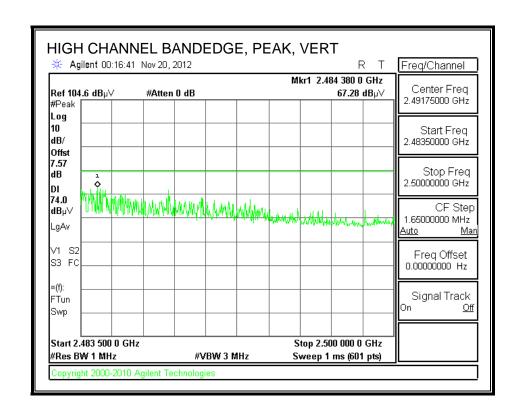


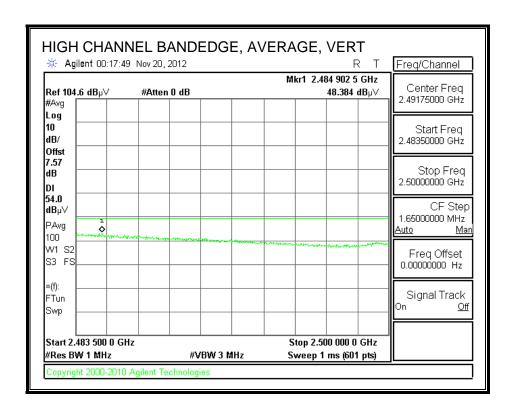


Actual Average = Measured Average + Correction Factor

= 49.875 dBuV + .11

= 49.985 dBuV



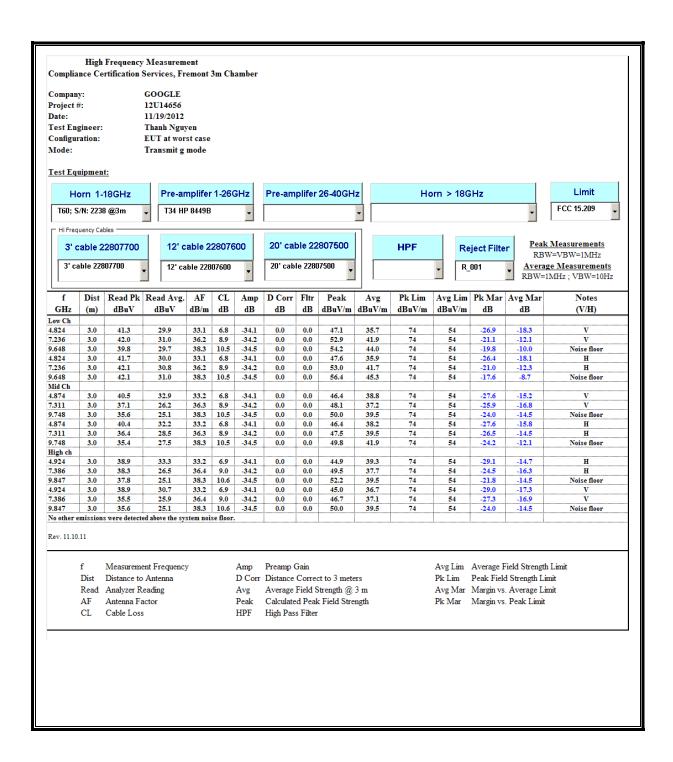


Actual Average = Measured Average + Correction Factor

= 48.384 dBuV + .11

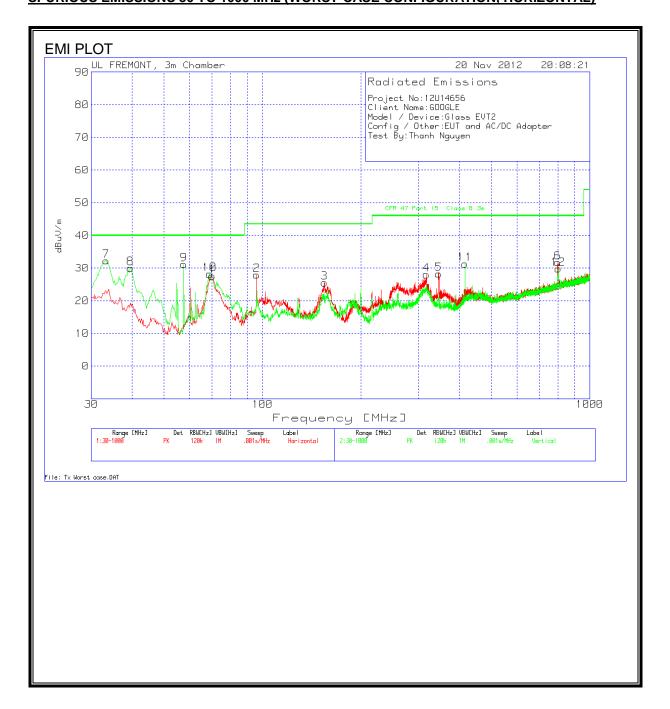
= 48.494 dBuV

HARMONICS AND SPURIOUS EMISSIONS



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

DATE: FEBRUARY 26, 2013



REPORT NO: 12U14656-2A FCC ID: A4R-X1

Project N	o:12U14656									
Client Na	me:GOOGLE									
Model / [Device:Glass	EVT2								
Config / C	Other: EUT ar	nd AC/DC A	Adapter, pl	ay video aı	nd Tx wors	t case				
Test By:T	nanh Nguyer	1								
Horizonta	l 30 - 1000M	Hz								
Marker No.	Test Frequency	Meter Reading	Detector	25MHz- 1GHz Chambr 3m Amplifie d (dB)	Antenna T185 (dB)	dBuV/m	CFR 47 Part 15 Class B 3m	Margin	Height [cm]	Polarity
1	70.1259	46.49	PK	-27.1	8.2	27.59	40	-12.41	301	Horz
2	95.9073	46.05		-26.9	8.8	27.95	43.5	-15.55	400	Horz
3	154.6423	39.64	PK	-26.3	12.2	25.54	43.5	-17.96	201	Horz
4	316.8905	39.51	PK	-25.2	13.7	28.01	46	-17.99	100	Horz
5	345.5795	39.46	PK	-25.3	14.1	28.26	46	-17.74	100	Horz
6	798.4013	35.29	PK	-24.6	21.1	31.79	46	-14.21	100	Horz
Vertical 3	 0 - 1000MHz									
Marker No.	Test Frequency	Meter Reading	Detector	25MHz- 1GHz Chambr 3m Amplifie d (dB)	Antenna T185 (dB)	dBuV/m	CFR 47 Part 15 Class B 3m	Margin	Height [cm]	Polarity
7	33.2954	40.98	PK	-27.5	18.8	32.28	40	-7.72	101	Vert
8	39.4984	43.2	PK	-27.4	14.2	30	40	-10	101	Vert
9	57.526	51.39	PK	-27.2	7	31.19	40	-8.81	101	Vert
10	68.9628	47.18	PK	-27.1	8.1	28.18	40	-11.82	301	Vert
11	415.3637	40.86		-25.7	16.1	31.26	46	-14.74	101	Vert
12	800.7274	33.33	DIZ	-24.6	21.1	29.83	46	-16.17	1 404	Vert

10. AC MAINS LINE CONDUCTED EMISSIONS

LIMITS

§15.207 (a) IC RSS-GEN, Section 7.2.2

Frequency of emission	Conducted Limit (dBµV)					
(MHz)	Quasi-peak	Average				
0.15 to 0.50	66 to 56*	56 to 46*				
0.50 to 5	56	46				
5 to 30	50					
* Decreases with the logarithm of the frequency.						

DATE: FEBRUARY 26, 2013

TEST PROCEDURE

ANSI C63.4

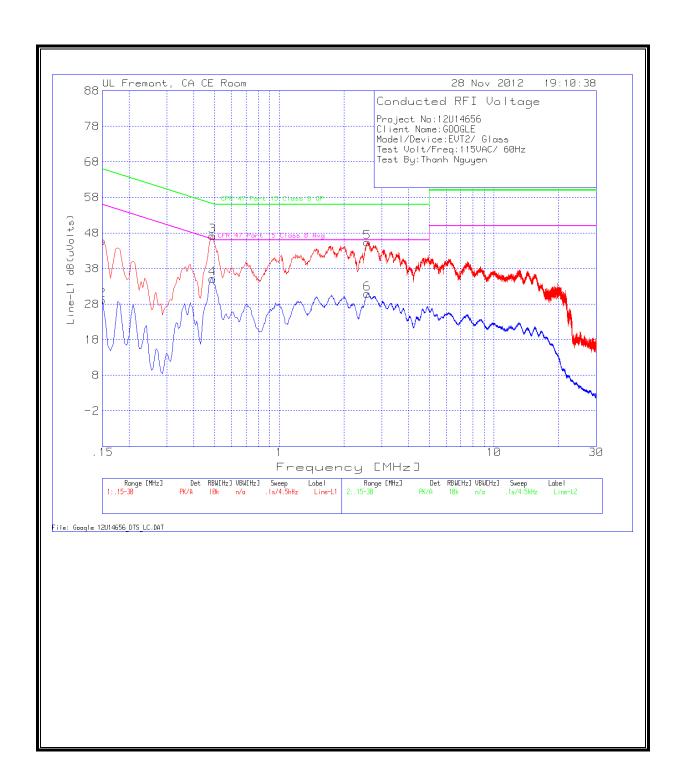
RESULTS

No non-compliance noted:

6 WORST EMISSIONS

Project No:									
Client Nam									
Model/Dev	_								
Test Volt/F	req:115VA	C/ 60Hz							
Test By:Tha	anh Nguye	n							
Line-L1 .15	- 30MHz								
Test	Meter	Detector	T24 IL	LC Cables	dB(uVolts)	CFR 47	Margin	CFR 47	Margin
Frequency	Reading		L1.TXT	1&3.TXT		Part 15		Part 15	
			(dB)	(dB)		Class B		Class B	
						QP		Avg	
0.15	45.72	PK	0.1	0	45.82	66	-20.18	-	-
0.15	29.01	Av	0.1	0	29.11	-	-	56	-26.8
0.4875	47.11	PK	0.1	0	47.21	56.2	-8.99	-	-
0.4875	35.1	Av	0.1	0	35.2	-	-	46.2	-1
2.571	45.25	PK	0.1	0.1	45.45	56	-10.55	-	-
2.571	30.7	Av	0.1	0.1	30.9	-	-	46	-15.
Line-L2 .15	- 30MHz								
Test	Meter	Detector	T24 IL	LC Cables	dB(uVolts)	CFR 47	Margin	CFR 47	Margin
Frequency	Reading		L1.TXT	1&3.TXT		Part 15		Part 15	_
	_		(dB)	(dB)		Class B		Class B	
						QP		Avg	
0.483	45.52	PK	0.1	0	45.62	56.3	-10.68	-	-
0.483	31.78	Av	0.1	0	31.88	-	-	46.3	-14.4
1.545	42.09	PK	0.1	0.1	42.29	56	-13.71	-	-
1.545	24.64	Av	0.1	0.1	24.84	-	-	46	-21.1
2,589	42.54	PK	0.1	0.1	42.74	56	-13.26	-	-
2.000					27.48				

LINE 1 RESULTS



LINE 2 RESULTS

