RSS-210 / RSS-GEN 99% Bandwidth

Test Conditions / Setup

The equipment under test (EUT) is placed on the test bench. The EUT antenna port is connected to the spectrum analyzer using a coaxial cable. The EUT is set in continuous transmit mode and the measurement is taken at the antenna port.
Temperature: 20°C, Humidity: 40%, Pressure: 100kPa

Frequency range of EUT: 2412 to 2462MHz
802.11b (11Mbps),
Transmit Frequencies: 2412MHz, 2437MHz, 2462MHz (Channel 1, 6, 11)

802.11g (6Mbps)
Transmit Frequencies: 2412MHz, 2437MHz, 2462MHz (Channel 1, 6, 11)

802.11n (20MHz) (7.2Mbps)
Transmit Frequencies: 2412MHz, 2437MHz, 2462MHz (Channel 1, 6, 11)

802.11n (40MHz) (15Mbps)
Transmit Frequencies: 2422MHz, 2437MHz, 2452MHz (Channel 3, 6, 9)

Frequency range of EUT: 5745 to 5825MHz
802.11a (6Mbps),
Transmit Frequencies: 5745MHz, 5785MHz, 5825MHz (Channel 1, 6, 11)

802.11n (20MHz) (7.2Mbps)
Transmit Frequencies: 5745MHz, 5785MHz, 5825MHz (Channel 149, 157, 165)

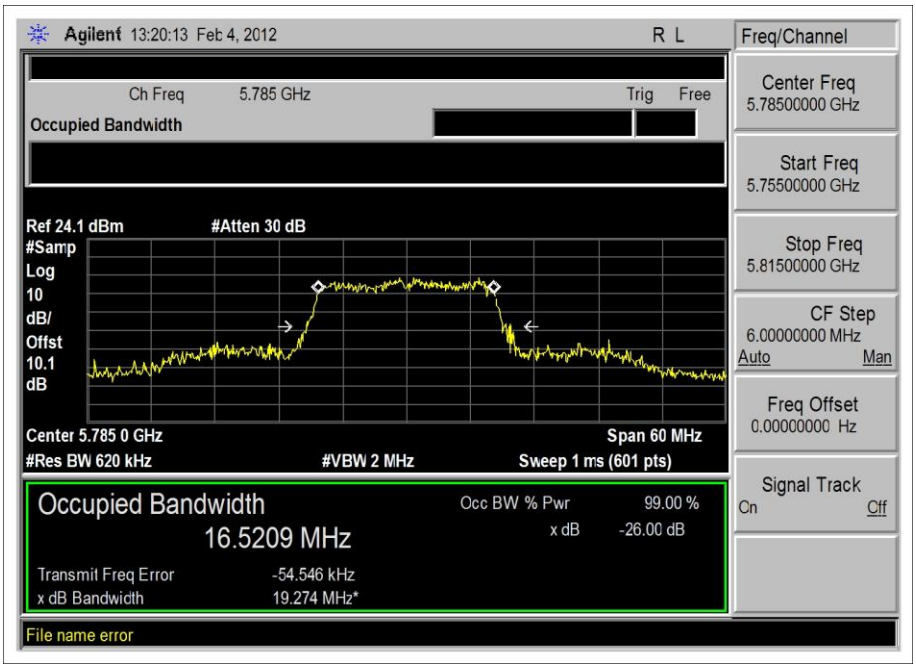
802.11n (40MHz) (15Mbps)
Transmit Frequencies: 5755MHz, 5795MHz (Channel 151, 159)

Engineer Name: S. Yamamoto

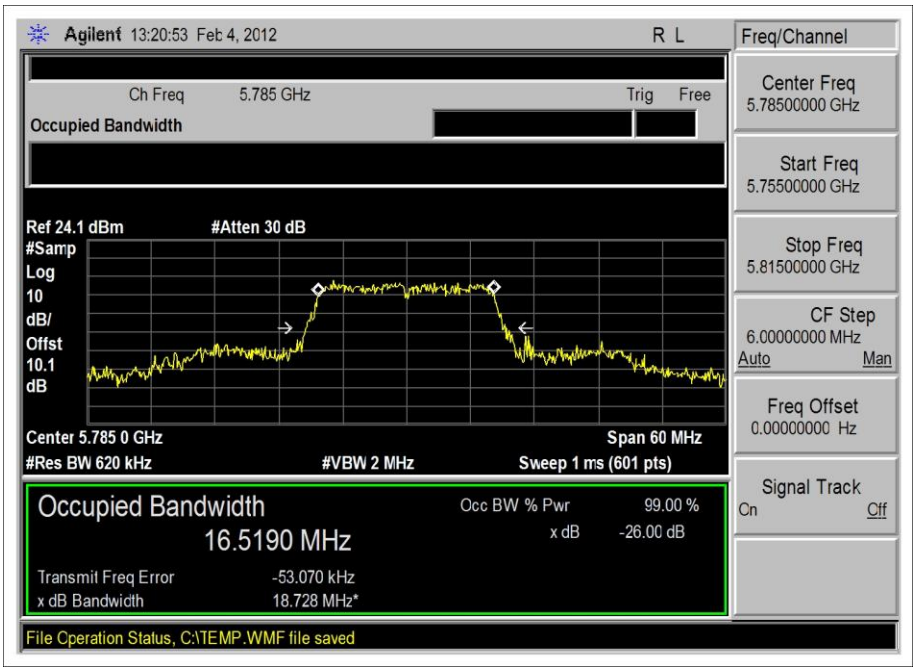
Test Equipment

Asset/Serial #	Description	Model	Manufacturer	Cal Date	Cal Due
02672	Spectrum Analyzer	E4446A	Agilent	08/09/2010	08/09/2012
02945	3' 40GHz cable	32022-2-2909K-36TC	Astrolab	10/19/2011	10/19/2013

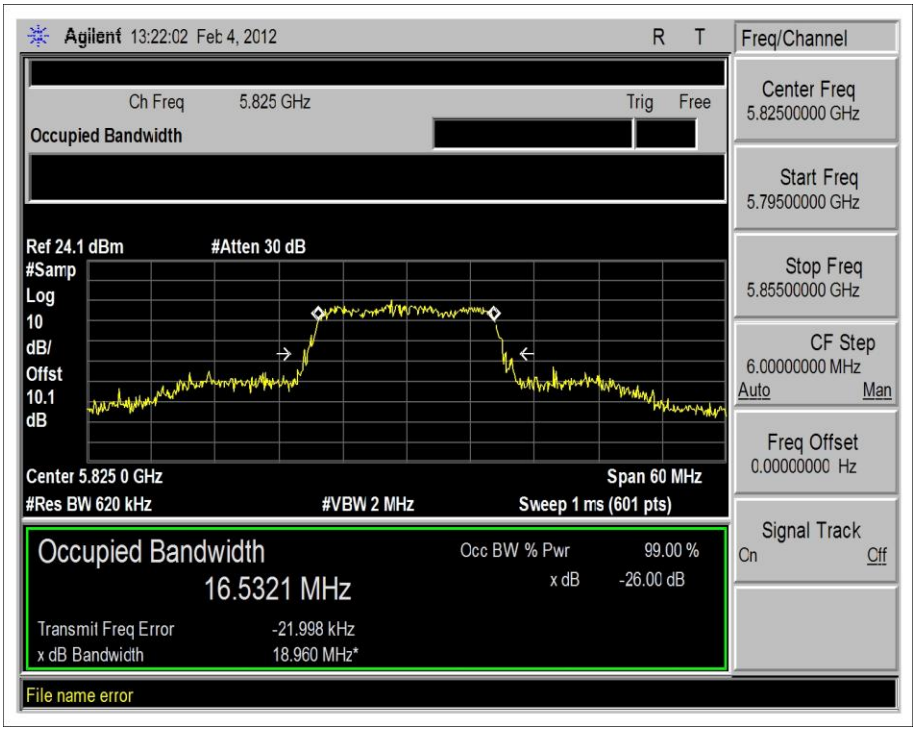
Test Plots



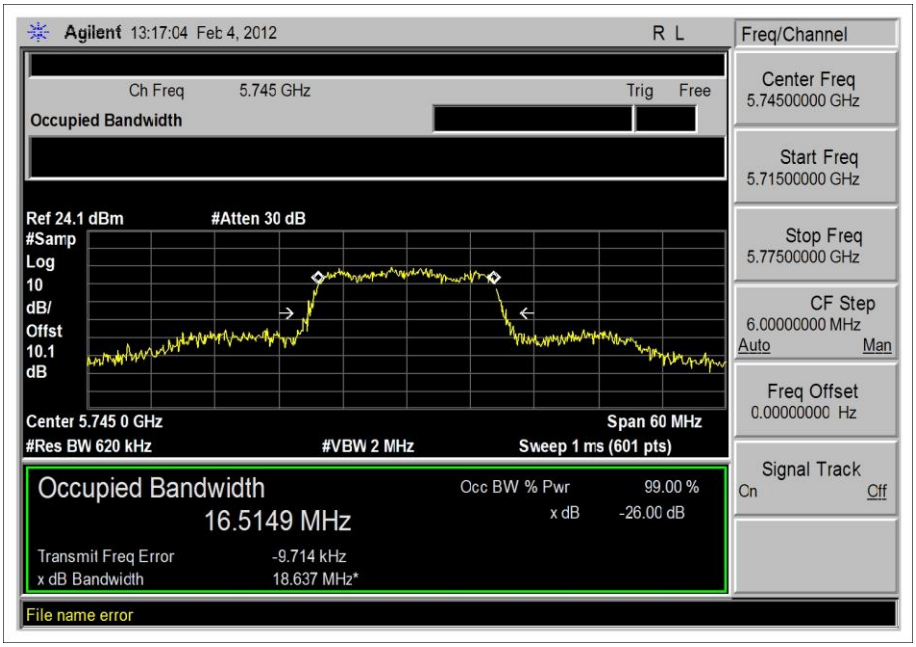
802.11a - Antenna Port 0



802.11a - Antenna Port 1

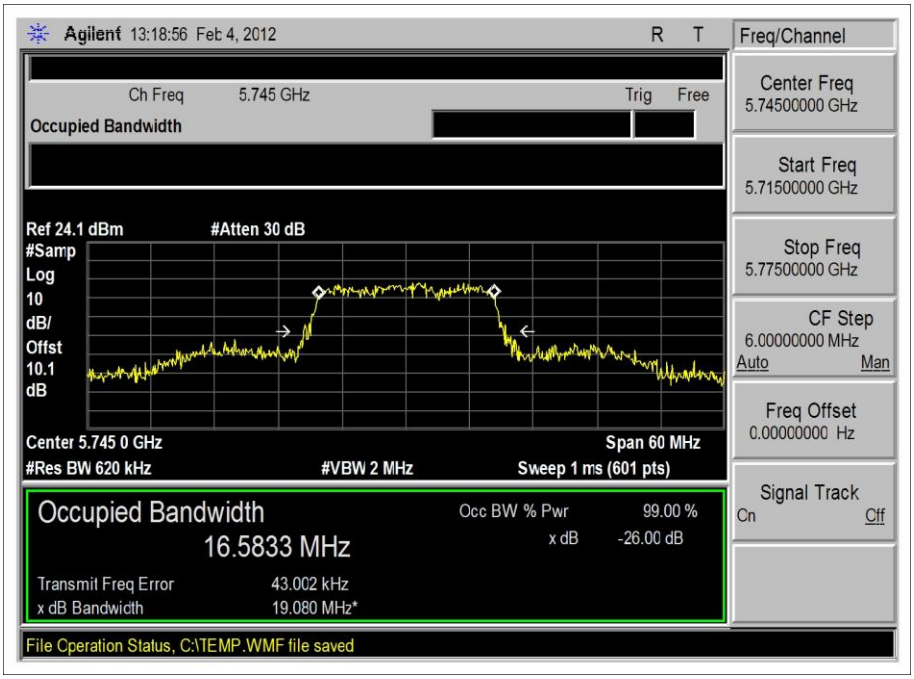


802.11a - Antenna Port 0



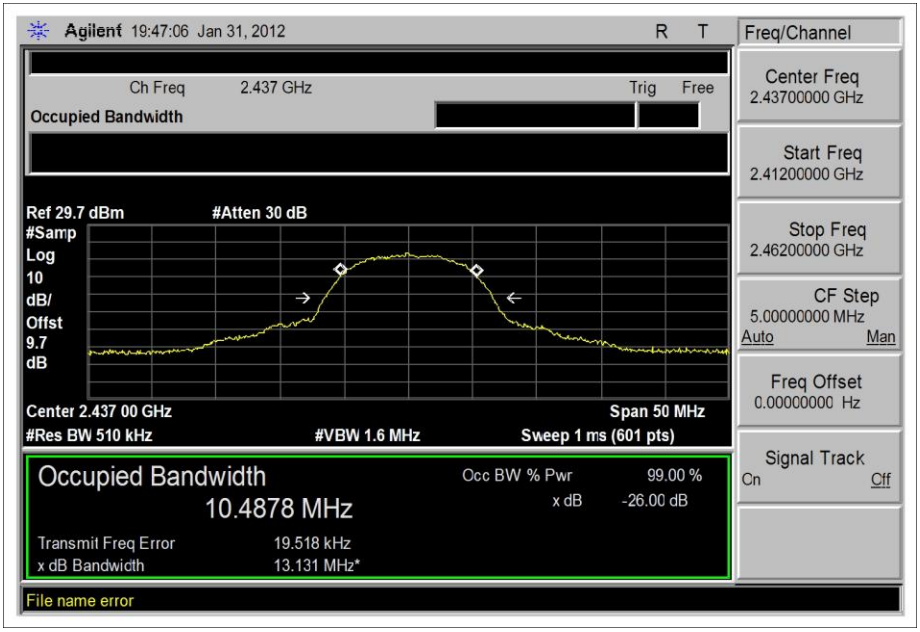
802.11a - Antenna Port 0

802.11a - Antenna Port 1

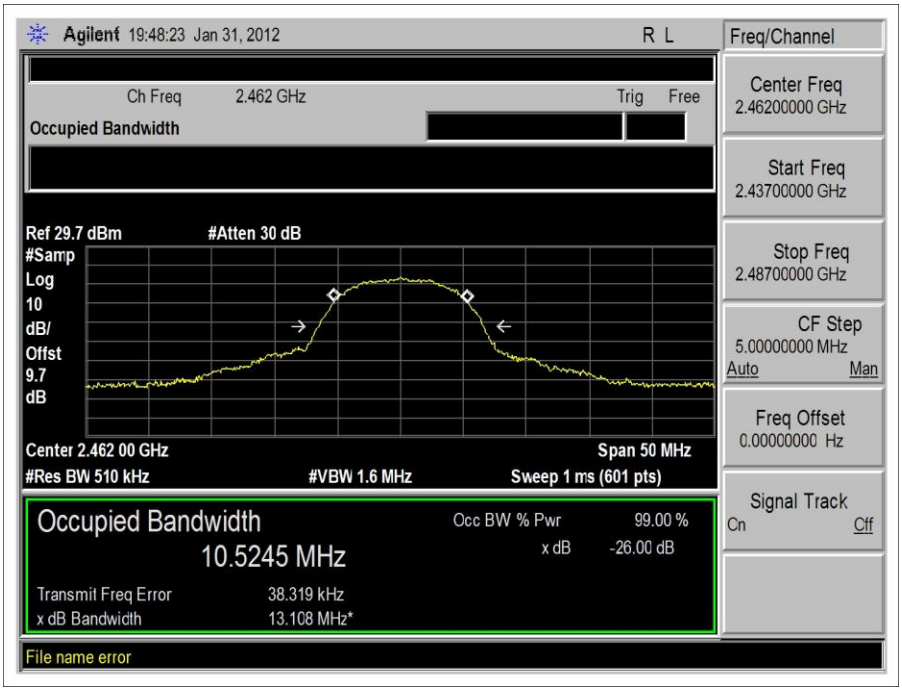


802.11a - Antenna Port 1

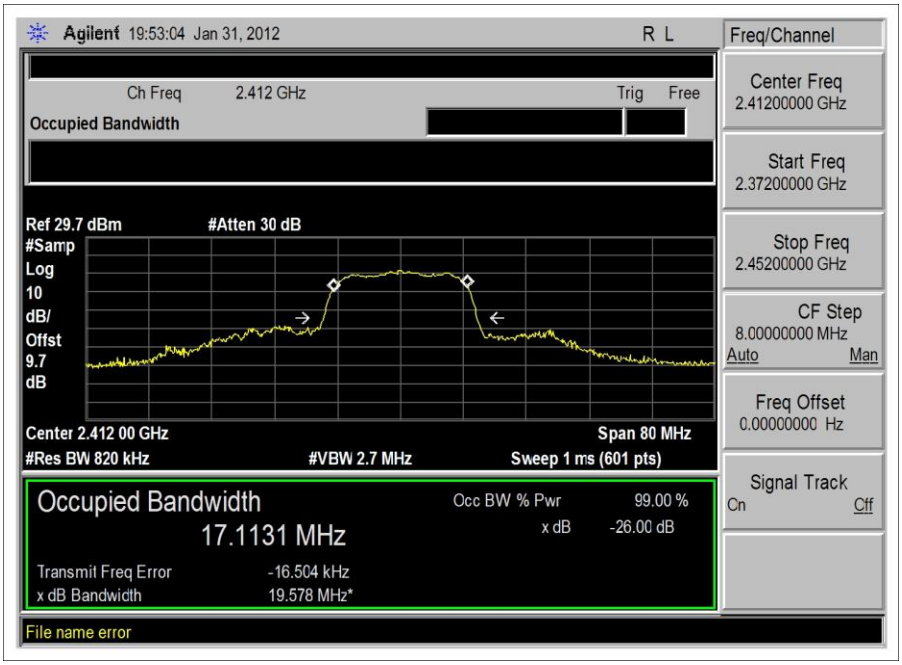
802.11b - Antenna Port 0



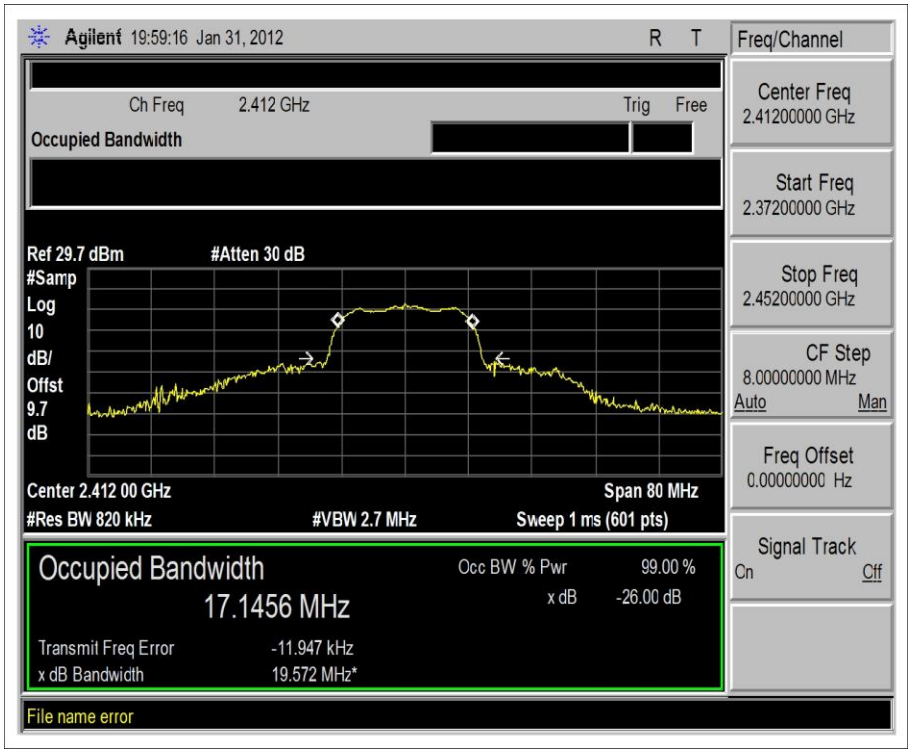
802.11b - Antenna Port 0



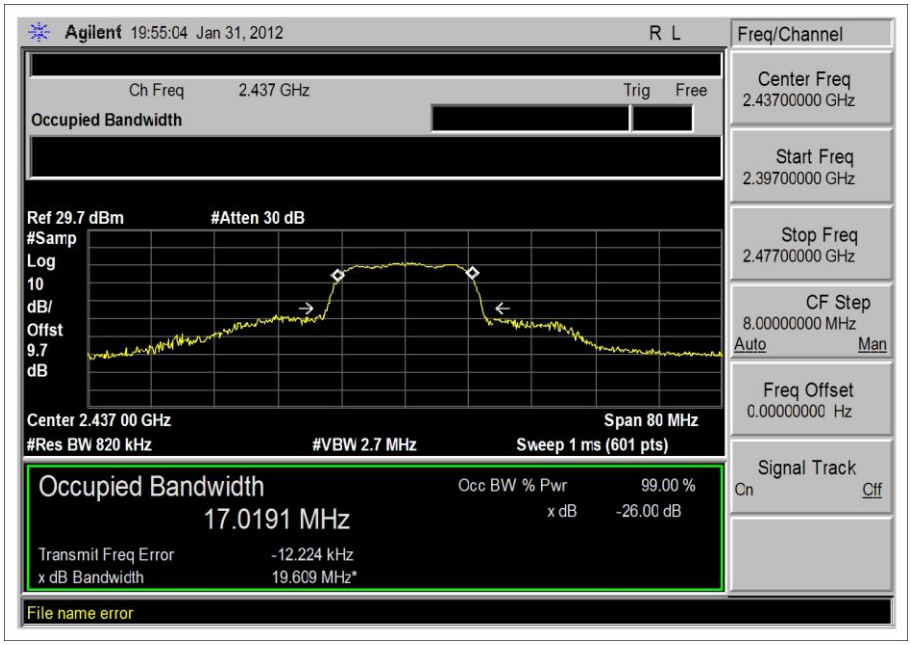
802.11b - Antenna Port 0



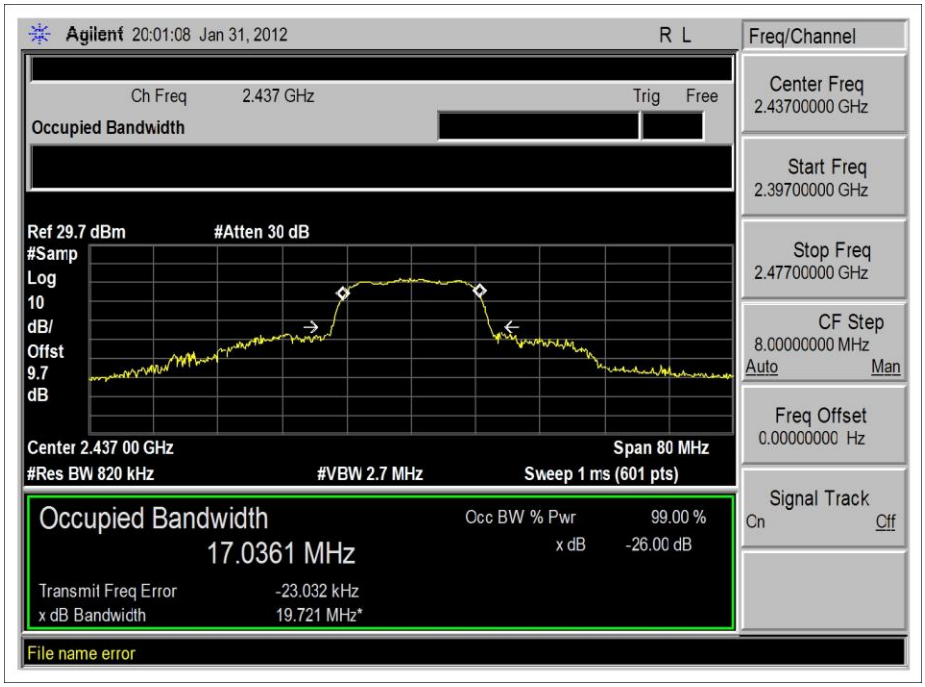
802.11g - Antenna Port 0



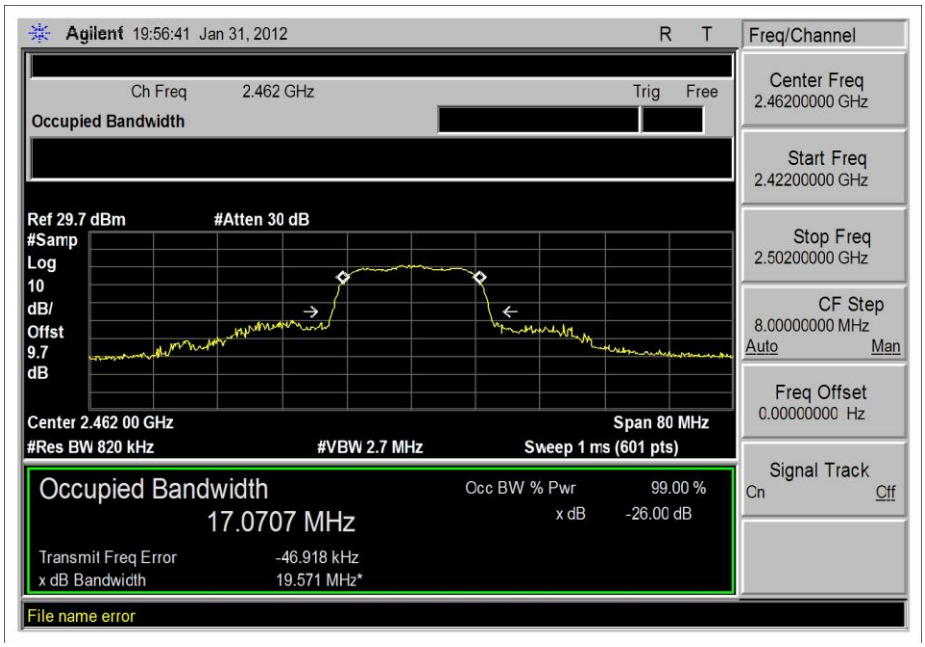
802.11g - Antenna Port 1



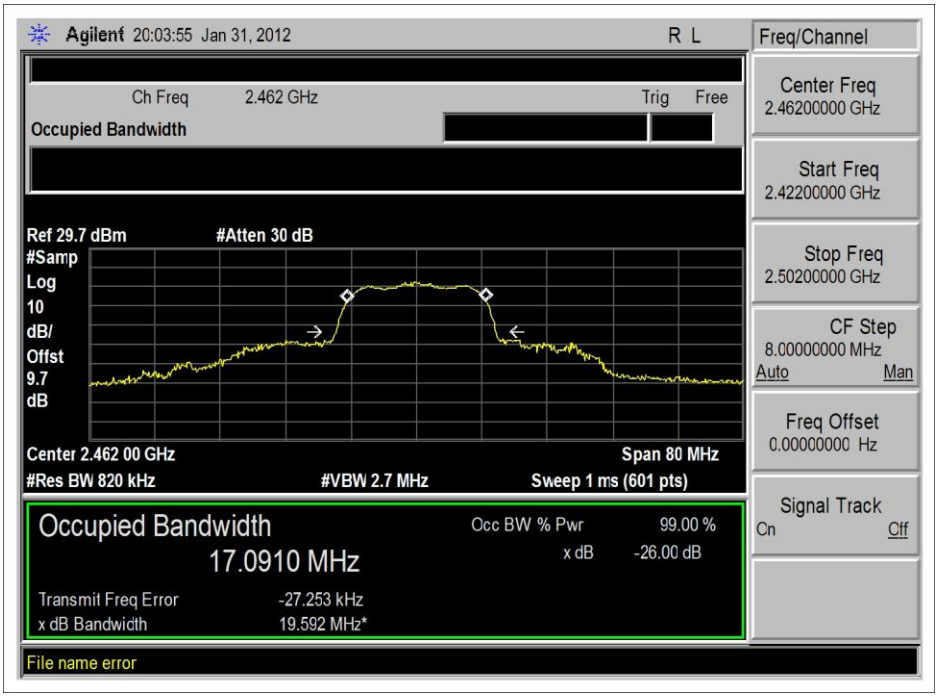
802.11g - Antenna Port 0



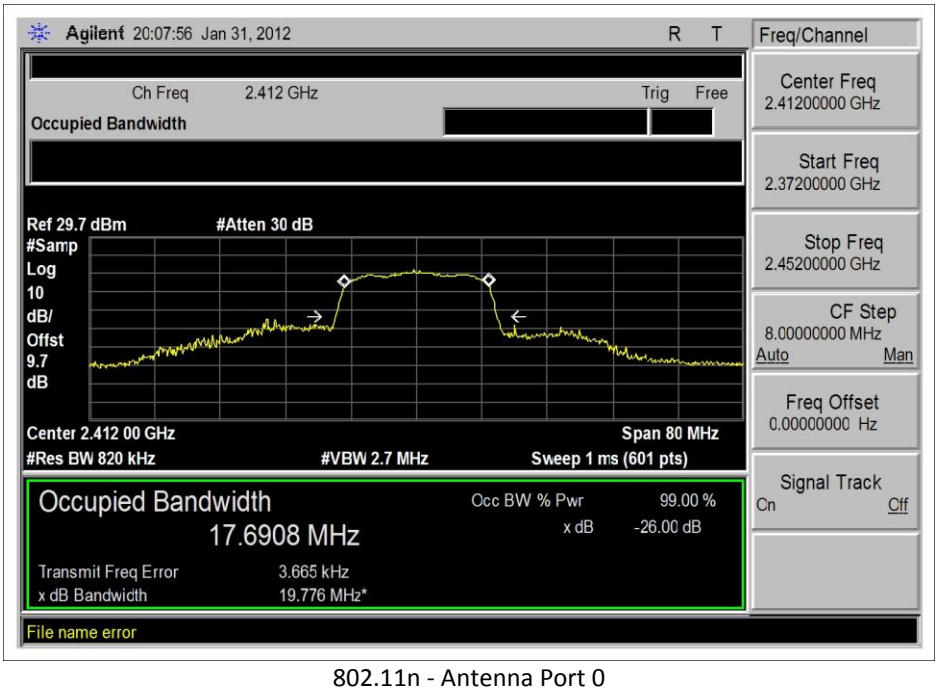
802.11g - Antenna Port 1



802.11g - Antenna Port 0

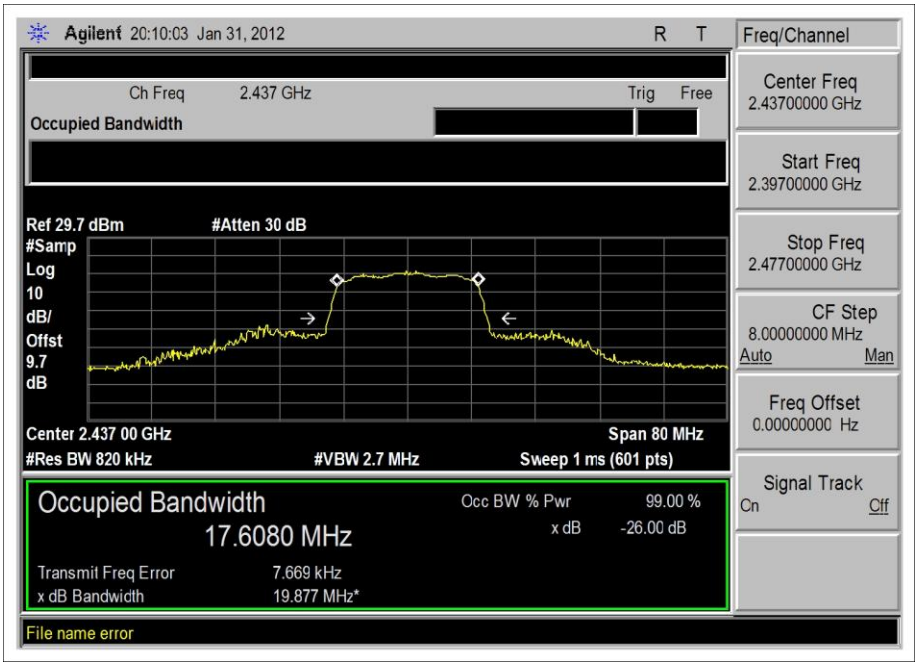


802.11g - Antenna Port 1

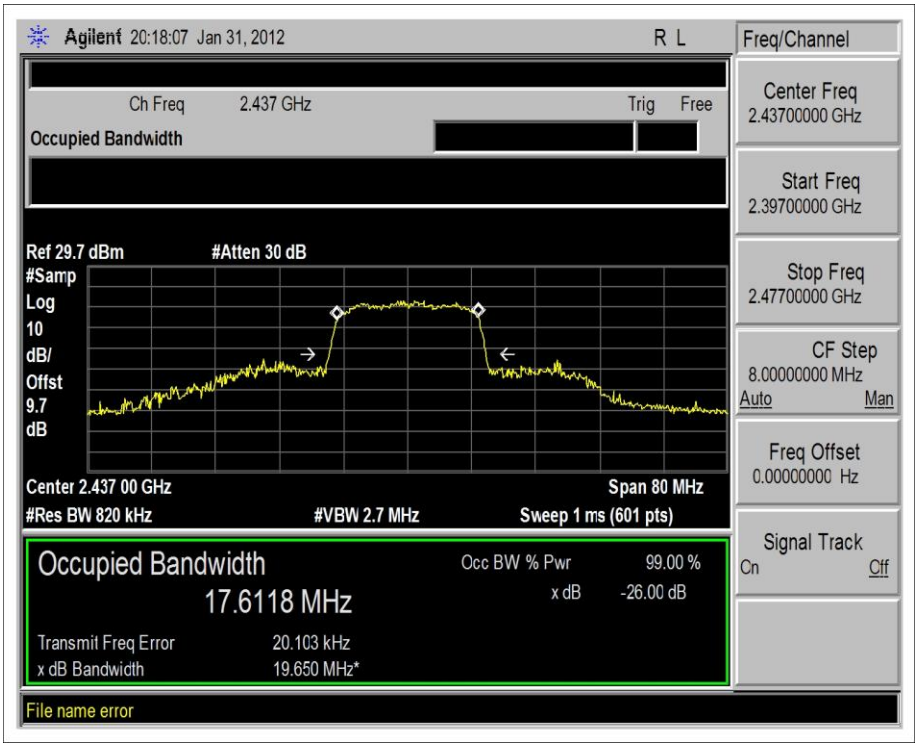


802.11n - Antenna Port 0

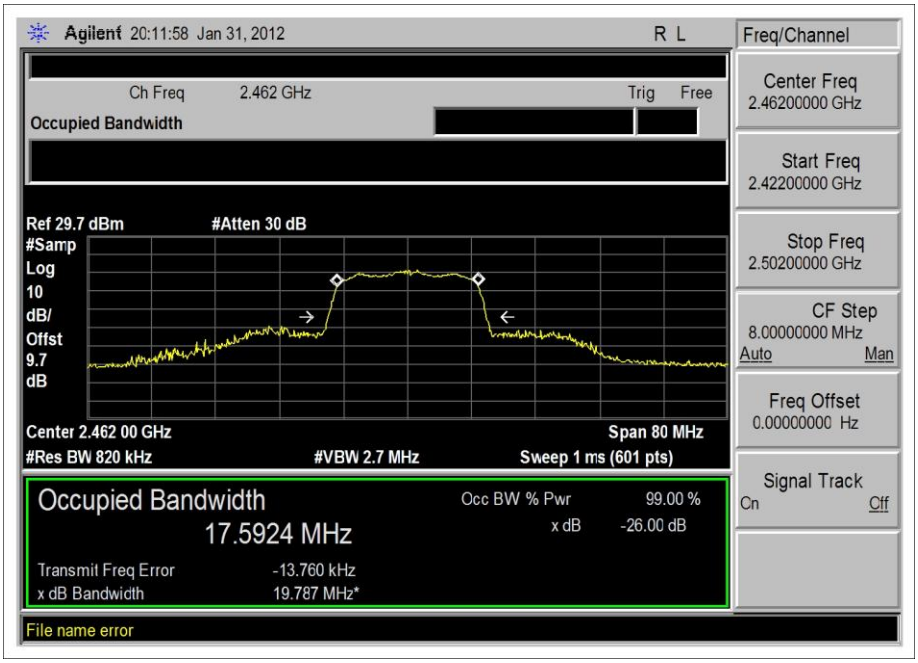
802.11n - Antenna Port 1



802.11n - Antenna Port 0

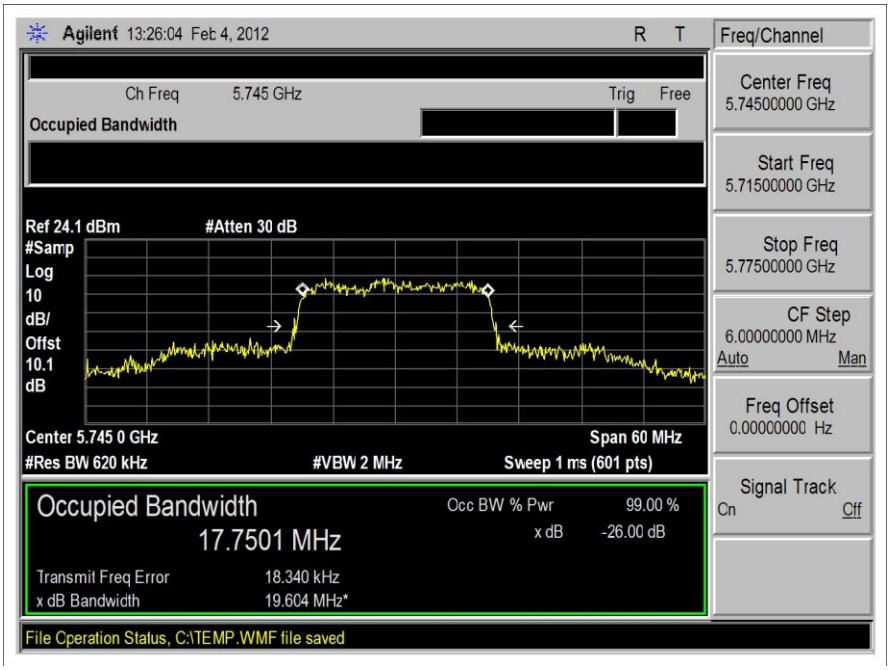


802.11n - Antenna Port 1



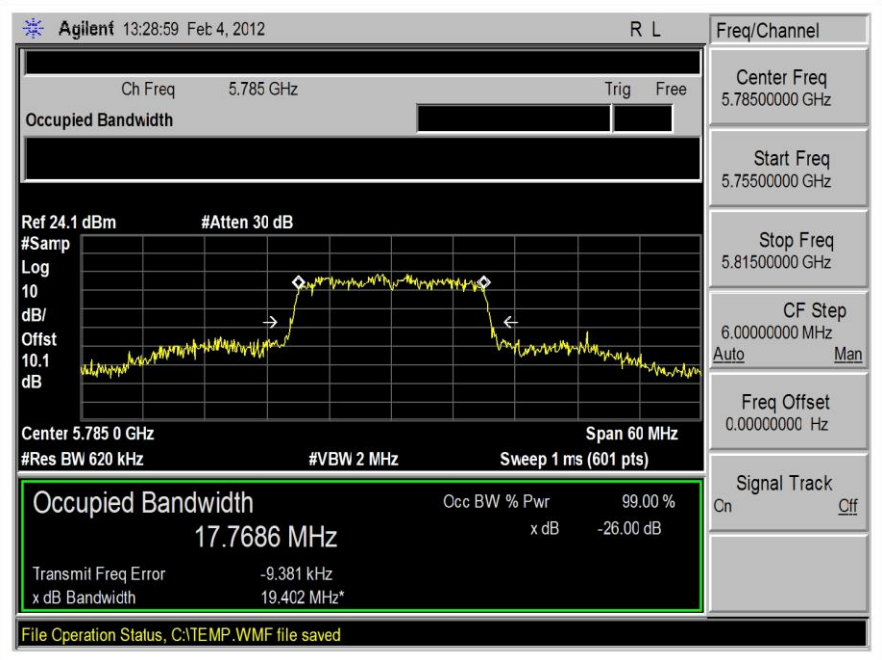
802.11n - Antenna Port 0

802.11n - Antenna Port 1

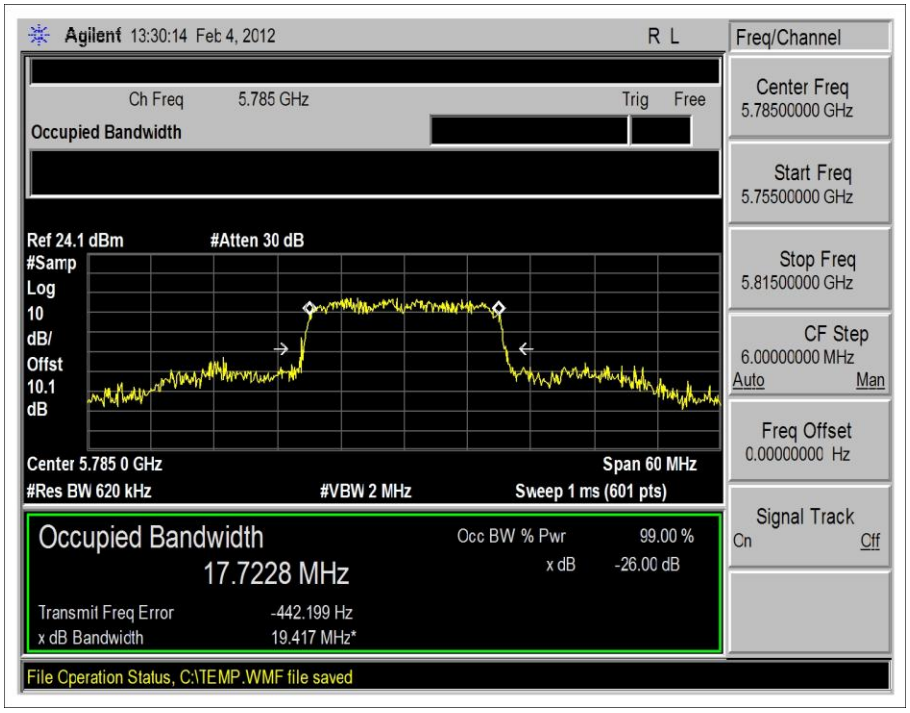


802.11n - Antenna Port 0

802.11n - Antenna Port 1

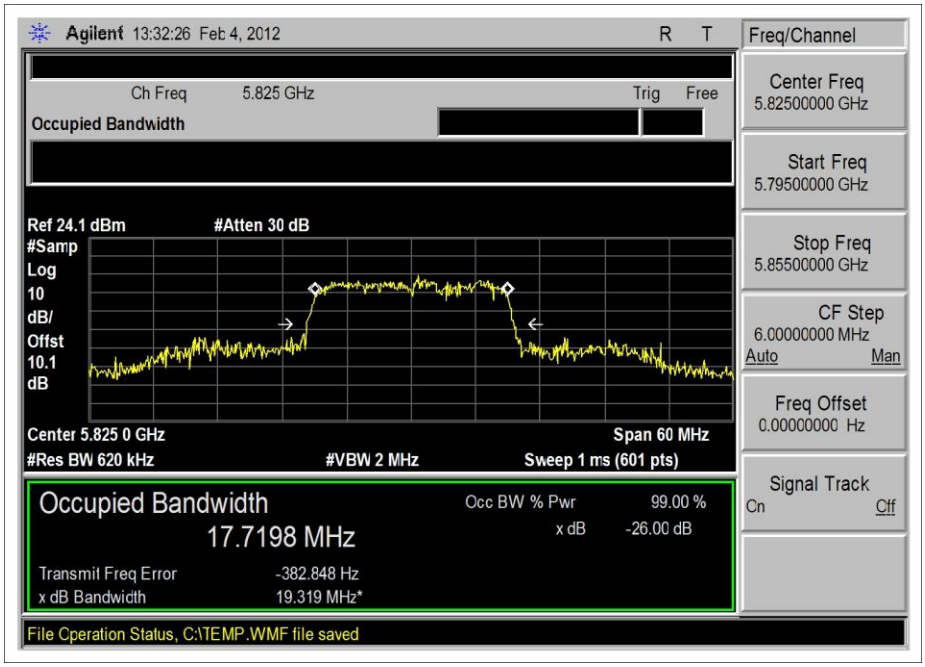


802.11n - Antenna Port 0



802.11n - Antenna Port 1

802.11n - Antenna Port 0

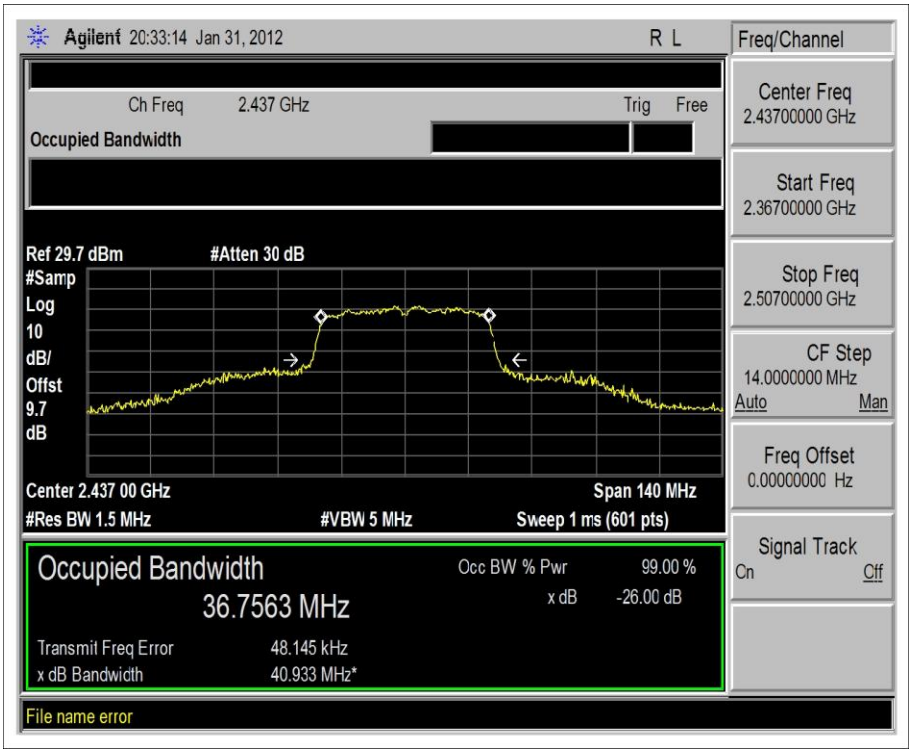


802.11n - Antenna Port 1

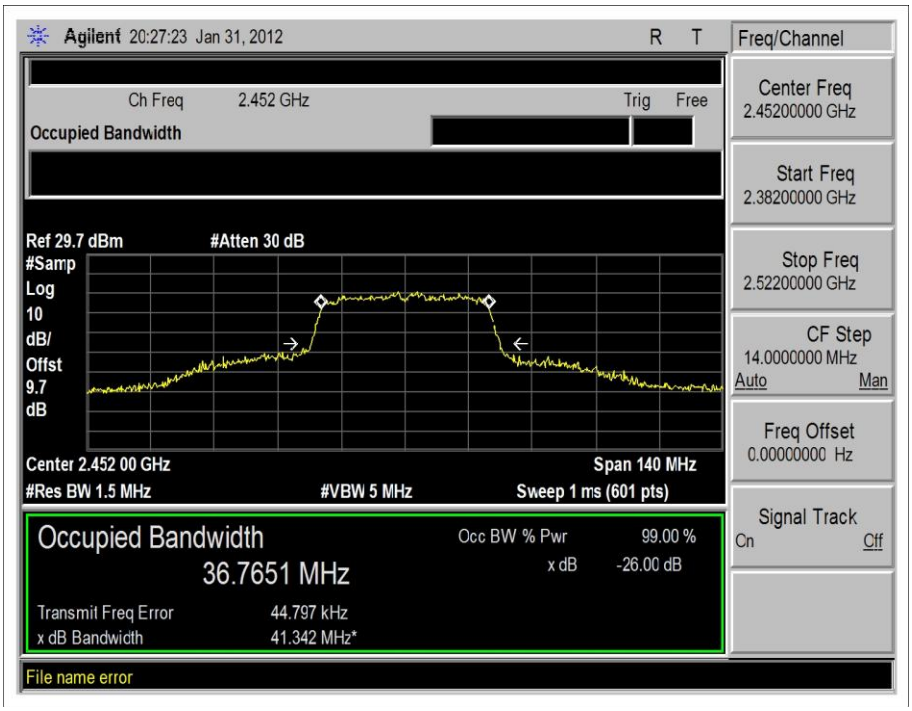
802.11n - Antenna Port 0

802.11n - Antenna Port 1

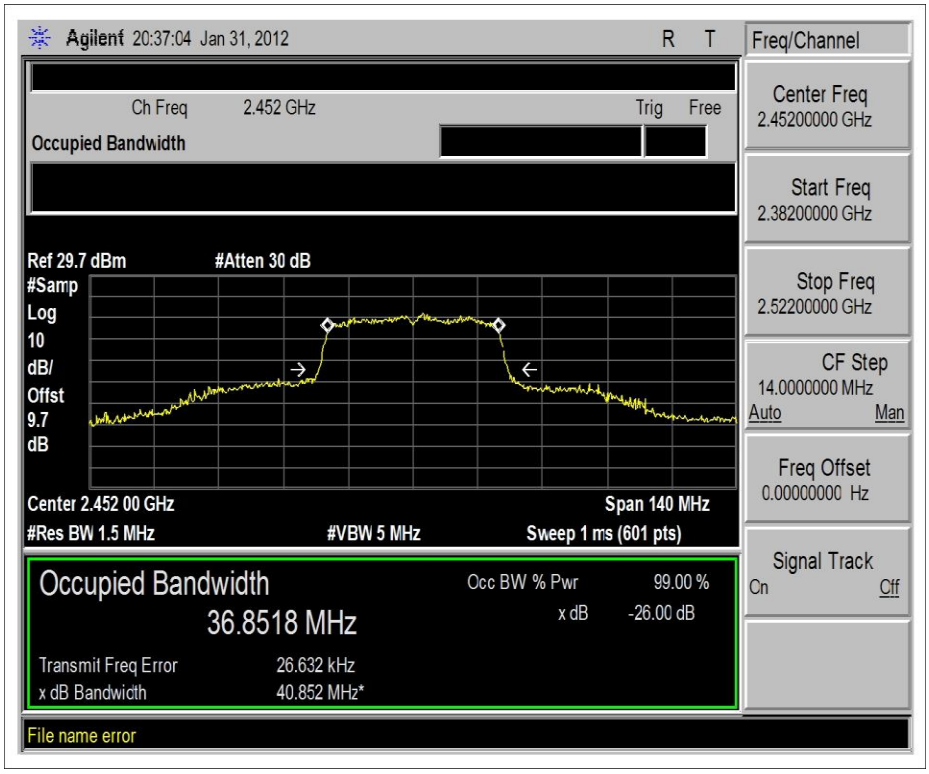
802.11n - Antenna Port 0



802.11n - Antenna Port 1

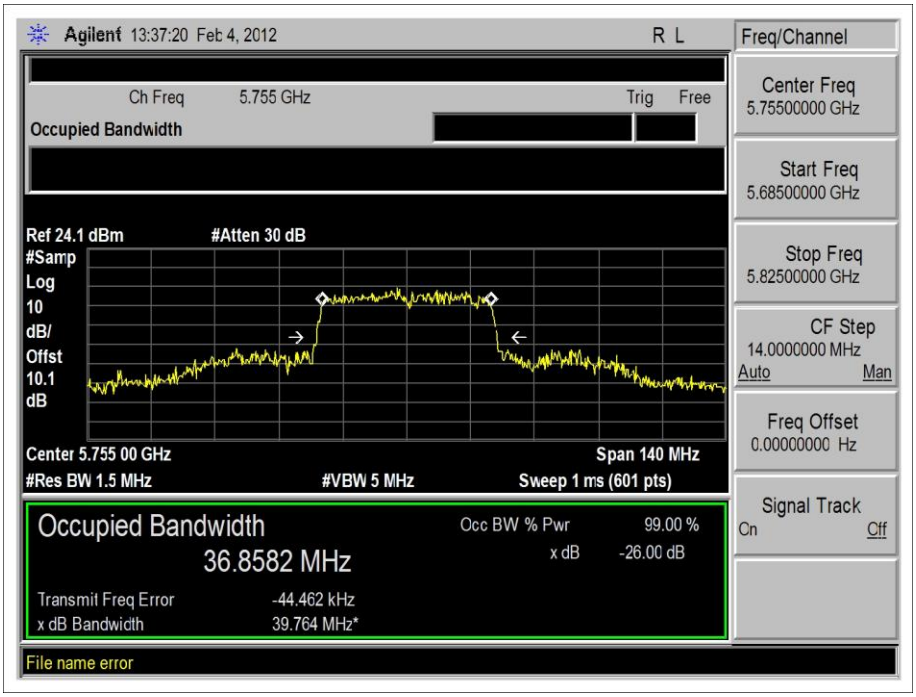


802.11n - Antenna Port 0

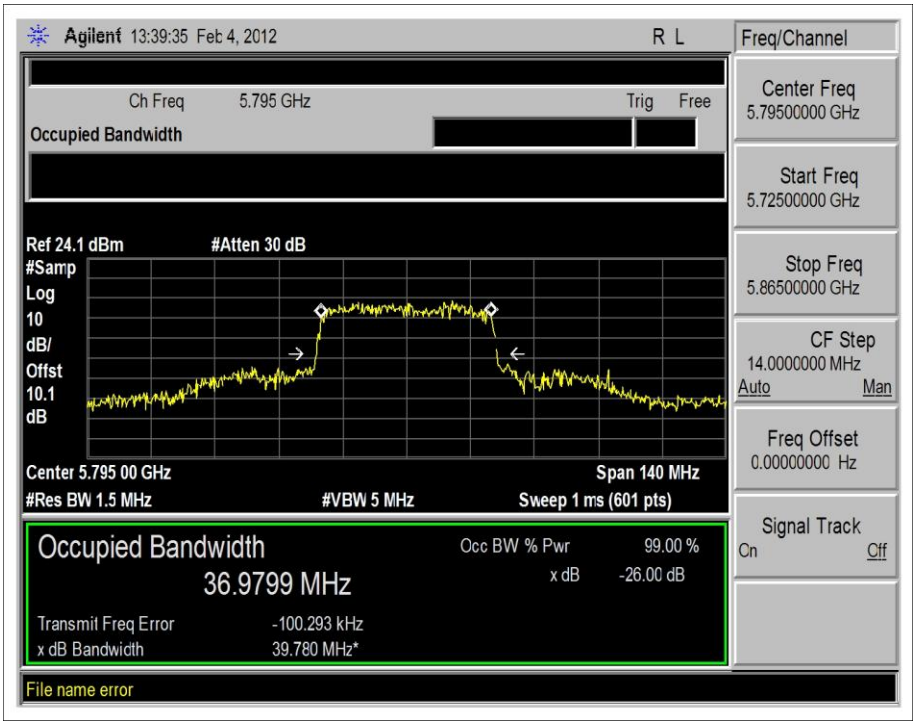


802.11n - Antenna Port 1

802.11n - Antenna Port 0



802.11n - Antenna Port 1



802.11n - Antenna Port 0

802.11n - Antenna Port 1

Test Setup Photos

RSS-210 §2.2 Restricted Bands

Data

Test Location: CKC Laboratories, Inc. • 110 N. Olinda Place • Brea, CA 92823 • (714) 993-6112

Customer: **Motorola Mobility, Inc.**
Specification: **RSS-210 Unwanted Emissions in Restricted Bands (Radiated)**
Work Order #: **92742** Date: 2/2/2012
Test Type: **Maximized Emissions** Time: 18:21:24
Equipment: **DOCSIS 3.0 Wi-Fi Gateway** Sequence#: 5
Manufacturer: Motorola Mobility, Inc. Tested By: S. Yamamoto
Model: SBG6580 P2
S/N: 35560113060007050705 0085

***Test Equipment*:**

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02672	Spectrum Analyzer	E4446A	8/9/2010	8/9/2012
T2	ANP05050	Cable	RG223/U	3/21/2011	3/21/2013
T3	AN00309	Preamp	8447D	5/7/2010	5/7/2012
T4	ANP05198	Cable	8268	12/21/2010	12/21/2012
T5	AN01995	Biconilog Antenna	CBL6111C	3/8/2010	3/8/2012
T6	AN00314	Loop Antenna	6502	6/30/2010	6/30/2012
T7	AN02672	Spectrum Analyzer	E4446A	8/9/2010	8/9/2012
T8	AN03239	Cable	32022-2-29094K-24TC	8/30/2011	8/30/2013
T9	ANP05421	Cable	Sucoflex 104A	2/12/2010	2/12/2012
T10	ANP06081	Cable	L1-PNMNM-48	4/28/2011	4/28/2013
T11	AN00786	Preamp	83017A	8/5/2010	8/5/2012
T12	AN00849	Horn Antenna	3115	4/23/2010	4/23/2012
T13	AN02744	High Pass Filter	11SH10-3000/T10000-O/O	3/5/2010	3/5/2012
	ANP06153	Cable	16301	10/27/2011	10/27/2013
	AN01413	Horn Antenna-ANSI C63.5 Antenna Factors (dB)	84125-80008	12/2/2010	12/2/2012
	AN01413	Horn Antenna-1 Meter Antenna Factors (dB) - SAE ARP 958	84125-80008	12/2/2010	12/2/2012

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
DOCSIS 3.0 Wi-Fi Gateway*	Motorola Mobility, Inc.	SBG6580 P2	3556011306000705070500 85

Support Devices:

Function	Manufacturer	Model #	S/N
Broadband Router	CASA Systems	C2200	FD3460
Gigabit Switch	Netgear	GS105v2	
Laptop Computer	HP	Compaq 6910p	
Performance Analysis System	Spirent	SMB-600B	N06012143
8 Way Splitter	Regal	DS8DGV10	
8 Way Splitter	Regal	DS8DGV10	
DHCP Server	HP	Compaq 6910p	
Diplexer	Eagle Comtronics	EDPF-65/85	(none)
Laptop Computer	Dell	Precision M70	

Test Conditions / Notes:

The equipment under test (EUT) is a DOCSIS 3.0 Wi-Fi Gateway. The EUT and its AC to DC adapter are stand alone on the table top lined with 5cm thick Styrofoam. All other support equipment is located remote from this test area. The CM Ethernet ports are connected to the SmartBits performance analysis system. The CM RF port is connected to the diplexer, then splitters and finally to the broadband router (CASA). The DHCP server is connected to the broadband router through the gigabit switch. The laptop is connected to the performance analysis system. The SmartBits is turned on and running data. The EUT is transmitting continuously.
Frequency range of EUT: 2412MHz to 2462MHz
Transmit Frequencies used for this data sheet: 2412MHz (Low), 2437MHz (Middle), and 2462MHz (High). Channels 1, 6, and 11. 802.11b (11 Mbps)
Antenna: Antenna Gain: 4.1 dBi max at 2.4GHz band. Antenna Gain: 4.4 dBi max at 5GHz band
Frequency range of measurement = 9 kHz to 25GHz.
Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz- 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz- 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz- 26000 MHz RBW=1 MHz, VBW=1 MHz.
Temperature: 20°C, Humidity: 38%, Pressure: 100kPa.

Ext Attn: 0 dB

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9 T13	T2 T6 T10	T3 T7 T11	T4 T8 T12	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	3333.332M Ave	51.4	+0.0 -37.7 +0.6 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	50.9	54.0	-3.1	Horiz
^	3333.332M	53.2	+0.0 -37.7 +0.6 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	52.7	54.0	-1.3	Horiz
3	4999.998M Ave	46.7	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	50.7	54.0	-3.3	Vert

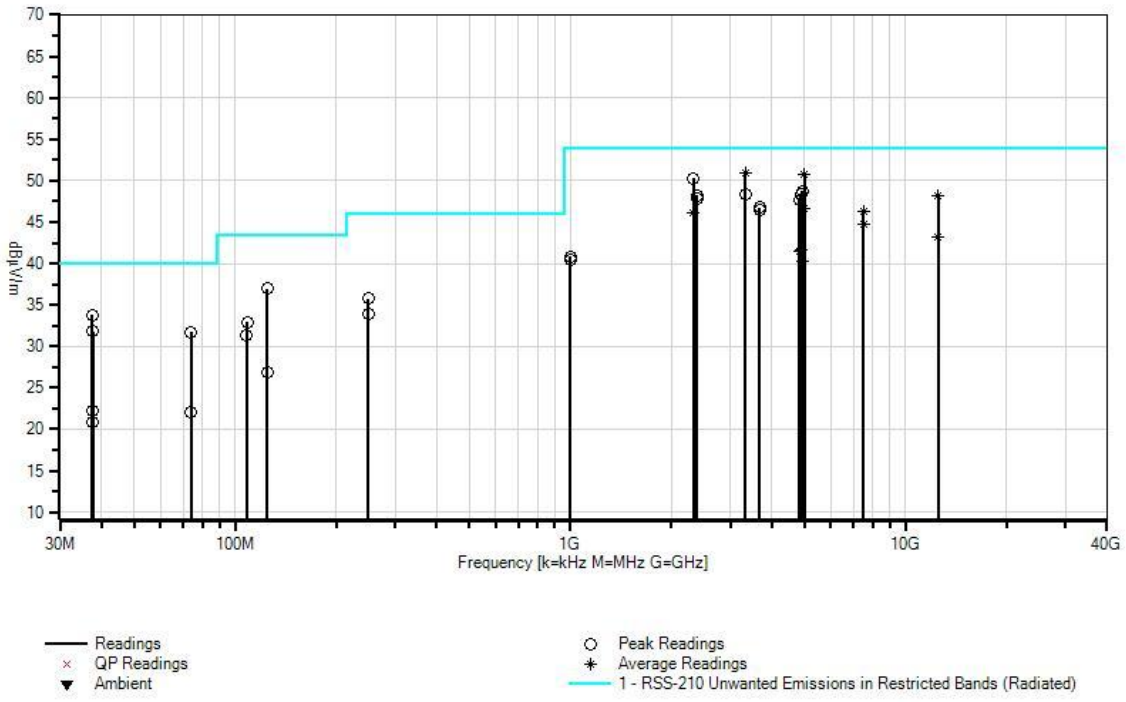
^	4999.997M	49.8	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	53.8	54.0	-0.2	Vert
5	2333.334M	55.2	+0.0 -38.0 +0.0 +0.0	+0.4 +28.3 +0.0	+1.2 +0.0 +0.0	+3.2 +0.0 +0.0	+0.0	50.3	54.0	-3.7	Vert
6	4923.967M	44.8	+0.0 -37.1 +0.4 +0.4	+0.5 +33.2 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	48.7	54.0	-5.3	Horiz
7	4874.088M	44.6	+0.0 -37.1 +0.4 +0.4	+0.5 +33.1 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	48.4	54.0	-5.6	Horiz
8	3333.332M	48.9	+0.0 -37.7 +0.6 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	48.4	54.0	-5.6	Vert
9	2390.000M	52.9	+0.0 -38.0 +0.0 +0.0	+0.4 +28.4 +0.0	+1.2 +0.0 +0.0	+3.3 +0.0 +0.0	+0.0	48.2	54.0	-5.8	Vert
10	12499.995 M Ave	32.5	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	48.1	54.0	-5.9	Horiz
^	12499.995 M	38.2	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	53.8	54.0	-0.2	Horiz
12	2389.981M	52.6	+0.0 -38.0 +0.0 +0.0	+0.4 +28.4 +0.0	+1.2 +0.0 +0.0	+3.3 +0.0 +0.0	+0.0	47.9	54.0	-6.1	Horiz
13	37.562M	45.7	+0.0 +14.8 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	33.8	40.0	-6.2	Vert
14	4823.997M	44.0	+0.0 -37.1 +0.4 +0.4	+0.5 +33.0 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	47.7	54.0	-6.3	Horiz
15	125.002M	50.6	+0.0 +12.1 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+1.9 +0.0 +0.0	+0.0	37.0	43.5	-6.5	Vert
16	3666.667M	46.2	+0.0 -37.4 +0.4 +0.4	+0.4 +31.3 +0.4	+1.7 +0.4 +0.4	+4.2 +0.4 +0.4	+0.0	46.8	54.0	-7.2	Vert

17	4999.992M Ave	42.6	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	46.6	54.0	-7.4	Horiz
^	4999.992M	46.0	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	50.0	54.0	-4.0	Horiz
19	3666.665M	45.8	+0.0 -37.4 +0.4 +0.4	+0.4 +31.3 +0.4	+1.7 +0.4 +0.4	+4.2 +0.4 +0.4	+0.0	46.4	54.0	-7.6	Horiz
20	7499.992M Ave	37.7	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	46.3	54.0	-7.7	Horiz
^	7499.992M	42.9	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	51.5	54.0	-2.5	Horiz
22	2333.332M Ave	51.1	+0.0 -38.0 +0.0 +0.0	+0.4 +28.3 +0.0	+1.2 +0.0 +0.0	+3.2 +0.0 +0.0	+0.0	46.2	54.0	-7.8	Horiz
^	2333.332M	57.2	+0.0 -38.0 +0.0 +0.0	+0.4 +28.3 +0.0	+1.2 +0.0 +0.0	+3.2 +0.0 +0.0	+0.0	52.3	54.0	-1.7	Horiz
24	37.706M	43.8	+0.0 +14.7 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	31.8	40.0	-8.2	Vert
25	74.005M	51.4	+0.0 +6.7 +0.0 +0.0	+0.1 +0.0 +0.0	-27.9 +0.0 +0.0	+1.4 +0.0 +0.0	+0.0	31.7	40.0	-8.3	Vert
26	73.819M	51.5	+0.0 +6.6 +0.0 +0.0	+0.1 +0.0 +0.0	-27.9 +0.0 +0.0	+1.4 +0.0 +0.0	+0.0	31.7	40.0	-8.3	Vert
27	7499.993M Ave	36.1	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	44.7	54.0	-9.3	Vert
^	7499.993M	42.9	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	51.5	54.0	-2.5	Vert
29	249.999M	47.9	+0.0 +12.7 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+2.8 +0.0 +0.0	+0.0	35.8	46.0	-10.2	Vert

30	108.846M	47.9	+0.0 +10.9 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.8 +0.0 +0.0	+0.0	32.9	43.5	-10.6	Vert
31	12499.993 M Ave	27.6	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	43.2	54.0	-10.8	Vert
^	12499.993 M	37.4	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	53.0	54.0	-1.0	Vert
33	250.014M	46.1	+0.0 +12.7 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+2.8 +0.0 +0.0	+0.0	34.0	46.0	-12.0	Horiz
34	108.139M	46.5	+0.0 +10.8 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.8 +0.0 +0.0	+0.0	31.4	43.5	-12.1	Vert
35	4873.968M Ave	37.8	+0.0 -37.1 +0.4 +0.4	+0.5 +33.1 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	41.6	54.0	-12.4	Vert
^	4873.968M	47.8	+0.0 -37.1 +0.4 +0.4	+0.5 +33.1 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	51.6	54.0	-2.4	Vert
37	4823.970M Ave	37.8	+0.0 -37.1 +0.4 +0.4	+0.5 +33.0 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	41.5	54.0	-12.5	Vert
^	4823.970M	47.5	+0.0 -37.1 +0.4 +0.4	+0.5 +33.0 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	51.2	54.0	-2.8	Vert
39	999.999M	36.5	+0.0 +24.8 +0.0 +0.0	+0.6 +0.0 +0.0	-27.3 +0.0 +0.0	+6.2 +0.0 +0.0	+0.0	40.8	54.0	-13.2	Vert
40	999.996M	36.1	+0.0 +24.8 +0.0 +0.0	+0.6 +0.0 +0.0	-27.3 +0.0 +0.0	+6.2 +0.0 +0.0	+0.0	40.4	54.0	-13.6	Horiz
41	4923.970M Ave	36.4	+0.0 -37.1 +0.4 +0.4	+0.5 +33.2 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	40.3	54.0	-13.7	Vert
^	4923.970M	47.7	+0.0 -37.1 +0.4 +0.4	+0.5 +33.2 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	51.6	54.0	-2.4	Vert

43	125.008M	40.5	+0.0 +12.1 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+1.9 +0.0 +0.0	+0.0	26.9	43.5	-16.6	Horiz
44	37.685M	34.3	+0.0 +14.7 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	22.3	40.0	-17.7	Horiz
45	73.962M	41.8	+0.0 +6.6 +0.0 +0.0	+0.1 +0.0 +0.0	-27.9 +0.0 +0.0	+1.4 +0.0 +0.0	+0.0	22.0	40.0	-18.0	Horiz
46	37.542M	32.8	+0.0 +14.8 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	20.9	40.0	-19.1	Horiz

CKC Laboratories, Inc. Date: 2/2/2012 Time: 18:21:24 Motorola Mobility, Inc. WO#: 92742
RSS-210 Unwanted Emissions in Restricted Bands (Radiated) Test Distance: 3 Meters Sequence#: 5 Ext ATTN: 0 dB



Test Location: CKC Laboratories, Inc. • 110 N. Olinda Place • Brea, CA 92823 • (714) 993-6112

Customer: **Motorola Mobility, Inc.**
Specification: **RSS-210 Unwanted Emissions in Restricted Bands (Radiated)**
Work Order #: **92742** Date: 2/2/2012
Test Type: **Maximized Emissions** Time: 18:21:24
Equipment: **DOCSIS 3.0 Wi-Fi Gateway** Sequence#: 6
Manufacturer: Motorola Mobility, Inc. Tested By: S. Yamamoto
Model: SBG6580 P2
S/N: 355601130600070507050085

***Test Equipment*:**

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02672	Spectrum Analyzer	E4446A	8/9/2010	8/9/2012
T2	ANP05050	Cable	RG223/U	3/21/2011	3/21/2013
T3	AN00309	Preamp	8447D	5/7/2010	5/7/2012
T4	ANP05198	Cable	8268	12/21/2010	12/21/2012
T5	AN01995	Biconilog Antenna	CBL6111C	3/8/2010	3/8/2012
T6	AN00314	Loop Antenna	6502	6/30/2010	6/30/2012
T7	AN02672	Spectrum Analyzer	E4446A	8/9/2010	8/9/2012
T8	AN03239	Cable	32022-2-29094K-24TC	8/30/2011	8/30/2013
T9	ANP05421	Cable	Sucoflex 104A	2/12/2010	2/12/2012
T10	ANP06081	Cable	L1-PNMNM-48	4/28/2011	4/28/2013
T11	AN00786	Preamp	83017A	8/5/2010	8/5/2012
T12	AN00849	Horn Antenna	3115	4/23/2010	4/23/2012
T13	AN02744	High Pass Filter	11SH10-3000/T10000-O/O	3/5/2010	3/5/2012
	AN01413	Horn Antenna-ANSI C63.5 Antenna Factors (dB)	84125-80008	12/2/2010	12/2/2012
	AN01413	Horn Antenna-1 Meter Antenna Factors (dB) - SAE ARP 958	84125-80008	12/2/2010	12/2/2012
	ANP06153	Cable	16301	10/27/2011	10/27/2013

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
DOCSIS 3.0 Wi-Fi Gateway*	Motorola Mobility, Inc.	SBG6580 P2	3556011306000705070500 85

Support Devices:

Function	Manufacturer	Model #	S/N
Broadband Router	CASA Systems	C2200	FD3460
Gigabit Switch	Netgear	GS105v2	
Laptop Computer	HP	Compaq 6910p	
Performance Analysis System	Spirent	SMB-600B	N06012143
8 Way Splitter	Regal	DS8DGV10	
8 Way Splitter	Regal	DS8DGV10	
DHCP Server	HP	Compaq 6910p	
Diplexer	Eagle Comtronics	EDPF-65/85	(none)
Laptop Computer	Dell	Precision M70	

Test Conditions / Notes:

The equipment under test (EUT) is a DOCSIS 3.0 Wi-Fi Gateway. The EUT and its AC to DC adapter are stand alone on the table top lined with 5cm thick Styrofoam. All other support equipment is located remote from this test area. The CM Ethernet ports are connected to the SmartBits performance analysis system. The CM RF port is connected to the diplexer, then splitters and finally to the broadband router (CASA). The DHCP server is connected to the broadband router through the gigabit switch. The laptop is connected to the performance analysis system. The SmartBits is turned on and running data. The EUT is transmitting continuously.
Frequency range of EUT: 2412MHz to 2462MHz
Transmit Frequencies used for this data sheet: 2412MHz (Low), 2437MHz (Middle), and 2462MHz (High). Channels 1, 6, and 11. 802.11g (6 Mbps)
Antenna: Antenna Gain: 4.1 dBi max at 2.4GHz band. Antenna Gain: 4.4 dBi max at 5GHz band
Frequency range of measurement = 9 kHz to 25GHz.
Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz- 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz- 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz- 26000 MHz RBW=1 MHz, VBW=1 MHz.
Temperature: 20°C, Humidity: 38%, Pressure: 100kPa.

Ext Attn: 0 dB

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9 T13	T2 T6 T10	T3 T7 T11	T4 T8 T12	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	3333.332M Ave	51.4	+0.0 -37.7 +0.6 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	50.9	54.0	-3.1	Horiz
^	3333.332M	53.2	+0.0 -37.7 +0.6 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	52.7	54.0	-1.3	Horiz
3	4999.998M Ave	46.7	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	50.7	54.0	-3.3	Vert

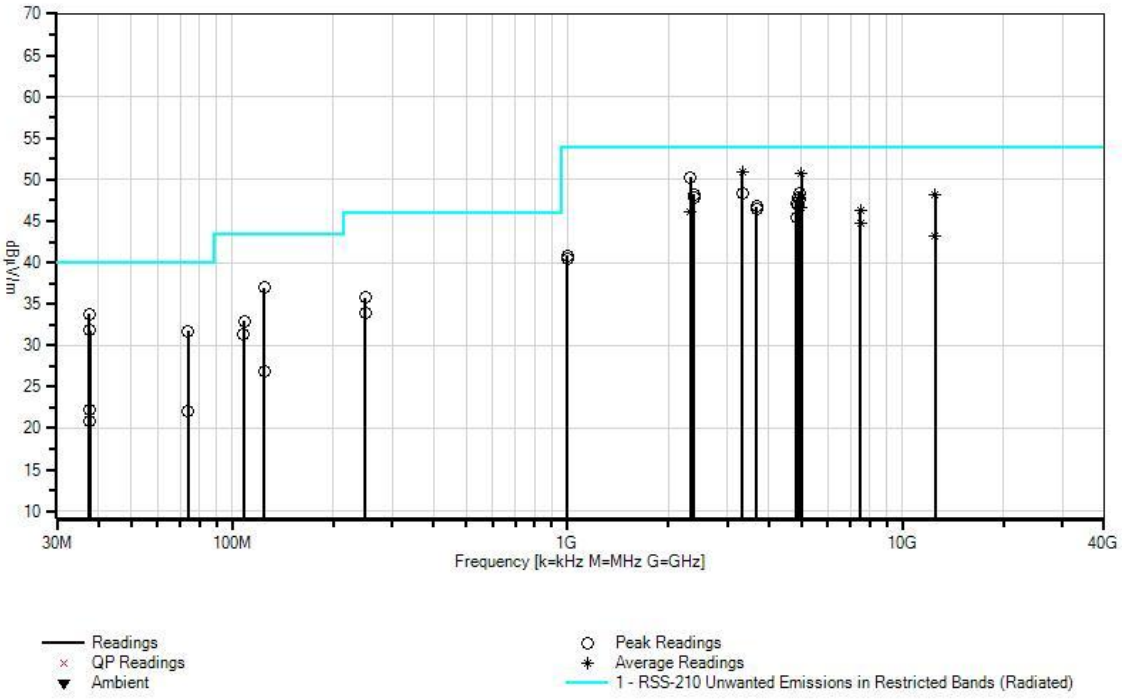
^	4999.997M	49.8	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	53.8	54.0	-0.2	Vert
5	2333.334M	55.2	+0.0 -38.0 +0.0 +0.0	+0.4 +28.3 +0.0	+1.2 +0.0 +0.0	+3.2 +0.0 +0.0	+0.0	50.3	54.0	-3.7	Vert
6	3333.332M	48.9	+0.0 -37.7 +0.6 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	48.4	54.0	-5.6	Vert
7	4923.948M	44.4	+0.0 -37.1 +0.4 +0.4	+0.5 +33.2 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	48.3	54.0	-5.7	Vert
8	2390.000M	52.9	+0.0 -38.0 +0.0 +0.0	+0.4 +28.4 +0.0	+1.2 +0.0 +0.0	+3.3 +0.0 +0.0	+0.0	48.2	54.0	-5.8	Vert
9	12499.995 M Ave	32.5	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	48.1	54.0	-5.9	Horiz
^	12499.995 M	38.2	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	53.8	54.0	-0.2	Horiz
11	4873.973M	44.1	+0.0 -37.1 +0.4 +0.4	+0.5 +33.1 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	47.9	54.0	-6.1	Vert
12	2389.981M	52.6	+0.0 -38.0 +0.0 +0.0	+0.4 +28.4 +0.0	+1.2 +0.0 +0.0	+3.3 +0.0 +0.0	+0.0	47.9	54.0	-6.1	Horiz
13	37.562M	45.7	+0.0 +14.8 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	33.8	40.0	-6.2	Vert
14	4923.942M	43.7	+0.0 -37.1 +0.4 +0.4	+0.5 +33.2 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	47.6	54.0	-6.4	Horiz
15	125.002M	50.6	+0.0 +12.1 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+1.9 +0.0 +0.0	+0.0	37.0	43.5	-6.5	Vert
16	4823.981M	43.5	+0.0 -37.1 +0.4 +0.4	+0.5 +33.0 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	47.2	54.0	-6.8	Horiz

17	4873.960M	43.2	+0.0 -37.1 +0.4 +0.4	+0.5 +33.1 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	47.0	54.0	-7.0	Horiz
18	3666.667M	46.2	+0.0 -37.4 +0.4 +0.4	+0.4 +31.3 +0.4	+1.7 +0.4 +0.4	+4.2 +0.4 +0.4	+0.0	46.8	54.0	-7.2	Vert
19	4999.992M Ave	42.6	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	46.6	54.0	-7.4	Horiz
^	4999.992M	46.0	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	50.0	54.0	-4.0	Horiz
21	3666.665M	45.8	+0.0 -37.4 +0.4 +0.4	+0.4 +31.3 +0.4	+1.7 +0.4 +0.4	+4.2 +0.4 +0.4	+0.0	46.4	54.0	-7.6	Horiz
22	7499.992M Ave	37.7	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	46.3	54.0	-7.7	Horiz
^	7499.992M	42.9	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	51.5	54.0	-2.5	Horiz
24	2333.332M Ave	51.1	+0.0 -38.0 +0.0 +0.0	+0.4 +28.3 +0.0	+1.2 +0.0 +0.0	+3.2 +0.0 +0.0	+0.0	46.2	54.0	-7.8	Horiz
^	2333.332M	57.2	+0.0 -38.0 +0.0 +0.0	+0.4 +28.3 +0.0	+1.2 +0.0 +0.0	+3.2 +0.0 +0.0	+0.0	52.3	54.0	-1.7	Horiz
26	37.706M	43.8	+0.0 +14.7 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	31.8	40.0	-8.2	Vert
27	73.819M	51.5	+0.0 +6.6 +0.0 +0.0	+0.1 +0.0 +0.0	-27.9 +0.0 +0.0	+1.4 +0.0 +0.0	+0.0	31.7	40.0	-8.3	Vert
28	74.005M	51.4	+0.0 +6.7 +0.0 +0.0	+0.1 +0.0 +0.0	-27.9 +0.0 +0.0	+1.4 +0.0 +0.0	+0.0	31.7	40.0	-8.3	Vert
29	4824.002M	41.7	+0.0 -37.1 +0.4 +0.4	+0.5 +33.0 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	45.4	54.0	-8.6	Vert

30	7499.993M Ave	36.1	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	44.7	54.0	-9.3	Vert
^	7499.993M	42.9	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	51.5	54.0	-2.5	Vert
32	249.999M	47.9	+0.0 +12.7 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+2.8 +0.0 +0.0	+0.0	35.8	46.0	-10.2	Vert
33	108.846M	47.9	+0.0 +10.9 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.8 +0.0 +0.0	+0.0	32.9	43.5	-10.6	Vert
34	12499.993 M Ave	27.6	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	43.2	54.0	-10.8	Vert
^	12499.993 M	37.4	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	53.0	54.0	-1.0	Vert
36	250.014M	46.1	+0.0 +12.7 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+2.8 +0.0 +0.0	+0.0	34.0	46.0	-12.0	Horiz
37	108.139M	46.5	+0.0 +10.8 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.8 +0.0 +0.0	+0.0	31.4	43.5	-12.1	Vert
38	999.999M	36.5	+0.0 +24.8 +0.0 +0.0	+0.6 +0.0 +0.0	-27.3 +0.0 +0.0	+6.2 +0.0 +0.0	+0.0	40.8	54.0	-13.2	Vert
39	999.996M	36.1	+0.0 +24.8 +0.0 +0.0	+0.6 +0.0 +0.0	-27.3 +0.0 +0.0	+6.2 +0.0 +0.0	+0.0	40.4	54.0	-13.6	Horiz
40	125.008M	40.5	+0.0 +12.1 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+1.9 +0.0 +0.0	+0.0	26.9	43.5	-16.6	Horiz
41	37.685M	34.3	+0.0 +14.7 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	22.3	40.0	-17.7	Horiz
42	73.962M	41.8	+0.0 +6.6 +0.0 +0.0	+0.1 +0.0 +0.0	-27.9 +0.0 +0.0	+1.4 +0.0 +0.0	+0.0	22.0	40.0	-18.0	Horiz

43	37.542M	32.8	+0.0 +14.8 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	20.9	40.0	-19.1	Horiz

CKC Laboratories, Inc. Date: 2/2/2012 Time: 18:21:24 Motorola Mobility, Inc. WO#: 92742
RSS-210 Unwanted Emissions in Restricted Bands (Radiated) Test Distance: 3 Meters Sequence#: 6 Ext ATTN: 0 dB



Test Location: CKC Laboratories, Inc. • 110 N. Olinda Place • Brea, CA 92823 • (714) 993-6112

Customer: **Motorola Mobility, Inc.**
Specification: **RSS-210 Unwanted Emissions in Restricted Bands (Radiated)**
Work Order #: **92742** Date: 2/2/2012
Test Type: **Maximized Emissions** Time: 18:21:24
Equipment: **DOCSIS 3.0 Wi-Fi Gateway** Sequence#: 7
Manufacturer: Motorola Mobility, Inc. Tested By: S. Yamamoto
Model: SBG6580 P2
S/N: 355601130600070507050085

***Test Equipment*:**

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02672	Spectrum Analyzer	E4446A	8/9/2010	8/9/2012
T2	ANP05050	Cable	RG223/U	3/21/2011	3/21/2013
T3	AN00309	Preamp	8447D	5/7/2010	5/7/2012
T4	ANP05198	Cable	8268	12/21/2010	12/21/2012
T5	AN01995	Biconilog Antenna	CBL6111C	3/8/2010	3/8/2012
T6	AN00314	Loop Antenna	6502	6/30/2010	6/30/2012
T7	AN02672	Spectrum Analyzer	E4446A	8/9/2010	8/9/2012
T8	AN03239	Cable	32022-2-29094K-24TC	8/30/2011	8/30/2013
T9	ANP05421	Cable	Sucoflex 104A	2/12/2010	2/12/2012
T10	ANP06081	Cable	L1-PNMNM-48	4/28/2011	4/28/2013
T11	AN00786	Preamp	83017A	8/5/2010	8/5/2012
T12	AN00849	Horn Antenna	3115	4/23/2010	4/23/2012
T13	AN02744	High Pass Filter	11SH10-3000/T10000-O/O	3/5/2010	3/5/2012
	AN01413	Horn Antenna-ANSI C63.5 Antenna Factors (dB)	84125-80008	12/2/2010	12/2/2012
	AN01413	Horn Antenna-1 Meter Antenna Factors (dB) - SAE ARP 958	84125-80008	12/2/2010	12/2/2012
	ANP06153	Cable	16301	10/27/2011	10/27/2013

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
DOCSIS 3.0 Wi-Fi Gateway*	Motorola Mobility, Inc.	SBG6580 P2	3556011306000705070500 85

Support Devices:

Function	Manufacturer	Model #	S/N
Broadband Router	CASA Systems	C2200	FD3460
Gigabit Switch	Netgear	GS105v2	
Laptop Computer	HP	Compaq 6910p	
Performance Analysis System	Spirent	SMB-600B	N06012143
8 Way Splitter	Regal	DS8DGV10	
8 Way Splitter	Regal	DS8DGV10	
DHCP Server	HP	Compaq 6910p	
Diplexer	Eagle Comtronics	EDPF-65/85	(none)
Laptop Computer	Dell	Precision M70	

Test Conditions / Notes:

The equipment under test (EUT) is a DOCSIS 3.0 Wi-Fi Gateway. The EUT and its AC to DC adapter are stand alone on the table top lined with 5cm thick Styrofoam. All other support equipment is located remote from this test area. The CM Ethernet ports are connected to the SmartBits performance analysis system. The CM RF port is connected to the diplexer, then splitters and finally to the broadband router (CASA). The DHCP server is connected to the broadband router through the gigabit switch. The laptop is connected to the performance analysis system. The SmartBits is turned on and running data. The EUT is transmitting continuously.
Frequency range of EUT: 2412MHz to 2462MHz
Transmit Frequencies used for this data sheet: 2412MHz (Low), 2437MHz (Middle), and 2462MHz (High). Channels 1, 6, and 11. 802.11n (20MHz) (7.2 Mbps)
Antenna: Antenna Gain: 4.1 dBi max at 2.4GHz band. Antenna Gain: 4.4 dBi max at 5GHz band
Frequency range of measurement = 9 kHz to 25GHz.
Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz- 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz- 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz- 26000 MHz RBW=1 MHz, VBW=1 MHz.
Temperature: 20°C, Humidity: 38%, Pressure: 100kPa.

Ext Attn: 0 dB

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9 T13	T2 T6 T10	T3 T7 T11	T4 T8 T12	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	3333.332M Ave	51.4	+0.0 -37.7 +0.6 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	50.9	54.0	-3.1	Horiz
^	3333.332M	53.2	+0.0 -37.7 +0.6 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	52.7	54.0	-1.3	Horiz
3	4999.998M Ave	46.7	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	50.7	54.0	-3.3	Vert

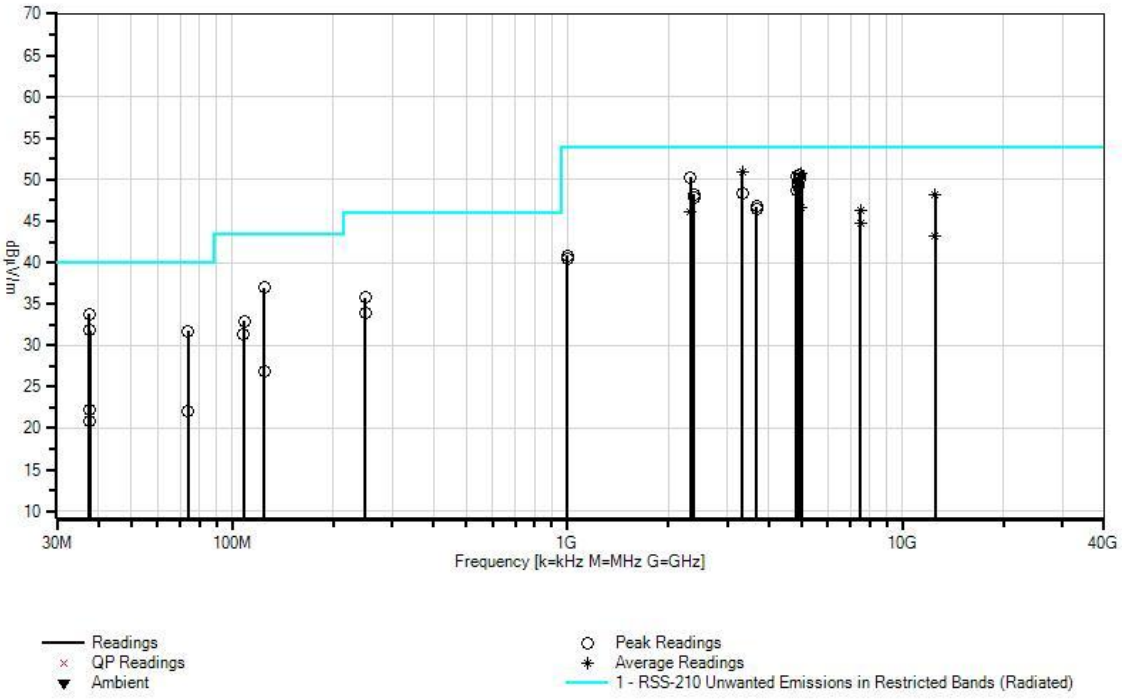
^	4999.997M	49.8	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	53.8	54.0	-0.2	Vert
5	4923.871M	46.7	+0.0 -37.1 +0.4 +0.4	+0.5 +33.2 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	50.6	54.0	-3.4	Vert
6	4824.043M	46.7	+0.0 -37.1 +0.4 +0.4	+0.5 +33.0 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	50.4	54.0	-3.6	Vert
7	2333.334M	55.2	+0.0 -38.0 +0.0 +0.0	+0.4 +28.3 +0.0	+1.2 +0.0 +0.0	+3.2 +0.0 +0.0	+0.0	50.3	54.0	-3.7	Vert
8	4923.803M	46.2	+0.0 -37.1 +0.4 +0.4	+0.5 +33.2 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	50.1	54.0	-3.9	Horiz
9	4874.018M	45.7	+0.0 -37.1 +0.4 +0.4	+0.5 +33.1 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	49.5	54.0	-4.5	Horiz
10	4873.987M	45.4	+0.0 -37.1 +0.4 +0.4	+0.5 +33.1 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	49.2	54.0	-4.8	Vert
11	4824.030M	45.0	+0.0 -37.1 +0.4 +0.4	+0.5 +33.0 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	48.7	54.0	-5.3	Horiz
12	3333.332M	48.9	+0.0 -37.7 +0.6 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	48.4	54.0	-5.6	Vert
13	2390.000M	52.9	+0.0 -38.0 +0.0 +0.0	+0.4 +28.4 +0.0	+1.2 +0.0 +0.0	+3.3 +0.0 +0.0	+0.0	48.2	54.0	-5.8	Vert
14	12499.995 M Ave	32.5	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	48.1	54.0	-5.9	Horiz
^	12499.995 M	38.2	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	53.8	54.0	-0.2	Horiz
16	2389.981M	52.6	+0.0 -38.0 +0.0 +0.0	+0.4 +28.4 +0.0	+1.2 +0.0 +0.0	+3.3 +0.0 +0.0	+0.0	47.9	54.0	-6.1	Horiz

17	37.562M	45.7	+0.0 +14.8 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	33.8	40.0	-6.2	Vert
18	125.002M	50.6	+0.0 +12.1 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+1.9 +0.0 +0.0	+0.0	37.0	43.5	-6.5	Vert
19	3666.667M	46.2	+0.0 -37.4 +0.4 +0.4	+0.4 +31.3 +0.4	+1.7 +0.4 +0.4	+4.2 +0.4 +0.4	+0.0	46.8	54.0	-7.2	Vert
20	4999.992M Ave	42.6	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	46.6	54.0	-7.4	Horiz
^	4999.992M	46.0	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	50.0	54.0	-4.0	Horiz
22	3666.665M	45.8	+0.0 -37.4 +0.4 +0.4	+0.4 +31.3 +0.4	+1.7 +0.4 +0.4	+4.2 +0.4 +0.4	+0.0	46.4	54.0	-7.6	Horiz
23	7499.992M Ave	37.7	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	46.3	54.0	-7.7	Horiz
^	7499.992M	42.9	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	51.5	54.0	-2.5	Horiz
25	2333.332M Ave	51.1	+0.0 -38.0 +0.0 +0.0	+0.4 +28.3 +0.0	+1.2 +0.0 +0.0	+3.2 +0.0 +0.0	+0.0	46.2	54.0	-7.8	Horiz
^	2333.332M	57.2	+0.0 -38.0 +0.0 +0.0	+0.4 +28.3 +0.0	+1.2 +0.0 +0.0	+3.2 +0.0 +0.0	+0.0	52.3	54.0	-1.7	Horiz
27	37.706M	43.8	+0.0 +14.7 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	31.8	40.0	-8.2	Vert
28	74.005M	51.4	+0.0 +6.7 +0.0 +0.0	+0.1 +0.0 +0.0	-27.9 +0.0 +0.0	+1.4 +0.0 +0.0	+0.0	31.7	40.0	-8.3	Vert
29	73.819M	51.5	+0.0 +6.6 +0.0 +0.0	+0.1 +0.0 +0.0	-27.9 +0.0 +0.0	+1.4 +0.0 +0.0	+0.0	31.7	40.0	-8.3	Vert

30	7499.993M Ave	36.1	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	44.7	54.0	-9.3	Vert
^	7499.993M	42.9	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	51.5	54.0	-2.5	Vert
32	249.999M	47.9	+0.0 +12.7 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+2.8 +0.0 +0.0	+0.0	35.8	46.0	-10.2	Vert
33	108.846M	47.9	+0.0 +10.9 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.8 +0.0 +0.0	+0.0	32.9	43.5	-10.6	Vert
34	12499.993 M Ave	27.6	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	43.2	54.0	-10.8	Vert
^	12499.993 M	37.4	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	53.0	54.0	-1.0	Vert
36	250.014M	46.1	+0.0 +12.7 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+2.8 +0.0 +0.0	+0.0	34.0	46.0	-12.0	Horiz
37	108.139M	46.5	+0.0 +10.8 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.8 +0.0 +0.0	+0.0	31.4	43.5	-12.1	Vert
38	999.999M	36.5	+0.0 +24.8 +0.0 +0.0	+0.6 +0.0 +0.0	-27.3 +0.0 +0.0	+6.2 +0.0 +0.0	+0.0	40.8	54.0	-13.2	Vert
39	999.996M	36.1	+0.0 +24.8 +0.0 +0.0	+0.6 +0.0 +0.0	-27.3 +0.0 +0.0	+6.2 +0.0 +0.0	+0.0	40.4	54.0	-13.6	Horiz
40	125.008M	40.5	+0.0 +12.1 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+1.9 +0.0 +0.0	+0.0	26.9	43.5	-16.6	Horiz
41	37.685M	34.3	+0.0 +14.7 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	22.3	40.0	-17.7	Horiz
42	73.962M	41.8	+0.0 +6.6 +0.0 +0.0	+0.1 +0.0 +0.0	-27.9 +0.0 +0.0	+1.4 +0.0 +0.0	+0.0	22.0	40.0	-18.0	Horiz

43	37.542M	32.8	+0.0 +14.8 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	20.9	40.0	-19.1	Horiz

CKC Laboratories, Inc. Date: 2/2/2012 Time: 18:21:24 Motorola Mobility, Inc. WO#: 92742
RSS-210 Unwanted Emissions in Restricted Bands (Radiated) Test Distance: 3 Meters Sequence#: 7 Ext ATTN: 0 dB



Test Location: CKC Laboratories, Inc. • 110 N. Olinda Place • Brea, CA 92823 • (714) 993-6112

Customer: **Motorola Mobility, Inc.**
Specification: **RSS-210 Unwanted Emissions in Restricted Bands (Radiated)**
Work Order #: **92742** Date: 2/2/2012
Test Type: **Maximized Emissions** Time: 18:21:24
Equipment: **DOCSIS 3.0 Wi-Fi Gateway** Sequence#: 8
Manufacturer: Motorola Mobility, Inc. Tested By: S. Yamamoto
Model: SBG6580 P2
S/N: 355601130600070507050085

***Test Equipment*:**

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02672	Spectrum Analyzer	E4446A	8/9/2010	8/9/2012
T2	ANP05050	Cable	RG223/U	3/21/2011	3/21/2013
T3	AN00309	Preamp	8447D	5/7/2010	5/7/2012
T4	ANP05198	Cable	8268	12/21/2010	12/21/2012
T5	AN01995	Biconilog Antenna	CBL6111C	3/8/2010	3/8/2012
T6	AN00314	Loop Antenna	6502	6/30/2010	6/30/2012
T7	AN02672	Spectrum Analyzer	E4446A	8/9/2010	8/9/2012
T8	AN03239	Cable	32022-2-29094K-24TC	8/30/2011	8/30/2013
T9	ANP05421	Cable	Sucoflex 104A	2/12/2010	2/12/2012
T10	ANP06081	Cable	L1-PNMNM-48	4/28/2011	4/28/2013
T11	AN00786	Preamp	83017A	8/5/2010	8/5/2012
T12	AN00849	Horn Antenna	3115	4/23/2010	4/23/2012
T13	AN02744	High Pass Filter	11SH10-3000/T10000-O/O	3/5/2010	3/5/2012
	AN01413	Horn Antenna-ANSI C63.5 Antenna Factors (dB)	84125-80008	12/2/2010	12/2/2012
	AN01413	Horn Antenna-1 Meter Antenna Factors (dB) - SAE ARP 958	84125-80008	12/2/2010	12/2/2012
	ANP06153	Cable	16301	10/27/2011	10/27/2013

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
DOCSIS 3.0 Wi-Fi Gateway*	Motorola Mobility, Inc.	SBG6580 P2	35560113060007050705008 5

Support Devices:

Function	Manufacturer	Model #	S/N
Broadband Router	CASA Systems	C2200	FD3460
Gigabit Switch	Netgear	GS105v2	
Laptop Computer	HP	Compaq 6910p	
Performance Analysis System	Spirent	SMB-600B	N06012143
8 Way Splitter	Regal	DS8DGV10	
8 Way Splitter	Regal	DS8DGV10	
DHCP Server	HP	Compaq 6910p	
Diplexer	Eagle Comtronics	EDPF-65/85	(none)
Laptop Computer	Dell	Precision M70	

Test Conditions / Notes:

The equipment under test (EUT) is a DOCSIS 3.0 Wi-Fi Gateway. The EUT and its AC to DC adapter are stand alone on the table top lined with 5cm thick Styrofoam. All other support equipment is located remote from this test area. The CM Ethernet ports are connected to the SmartBits performance analysis system. The CM RF port is connected to the diplexer, then splitters and finally to the broadband router (CASA). The DHCP server is connected to the broadband router through the gigabit switch. The laptop is connected to the performance analysis system. The SmartBits is turned on and running data. The EUT is transmitting continuously.
Frequency range of EUT: 2422MHz to 2452MHz
Transmit Frequencies used for this data sheet: 2422MHz (Low), 2437MHz (Middle), and 2452MHz (High). Channels 3, 6, and 9. 802.11n (40MHz) (15 Mbps)
Antenna: Antenna Gain: 4.1 dBi max at 2.4GHz band. Antenna Gain: 4.4 dBi max at 5GHz band
Frequency range of measurement = 9 kHz to 25GHz.
Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz- 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz- 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz- 26000 MHz RBW=1 MHz, VBW=1 MHz.
Temperature: 20°C, Humidity: 38%, Pressure: 100kPa.

Ext Attn: 0 dB

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9 T13	T2 T6 T10	T3 T7 T11	T4 T8 T12	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	3333.332M Ave	51.4	+0.0 -37.7 +0.6 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	50.9	54.0	-3.1	Horiz
^	3333.332M	53.2	+0.0 -37.7 +0.6 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	52.7	54.0	-1.3	Horiz
3	4999.998M Ave	46.7	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	50.7	54.0	-3.3	Vert

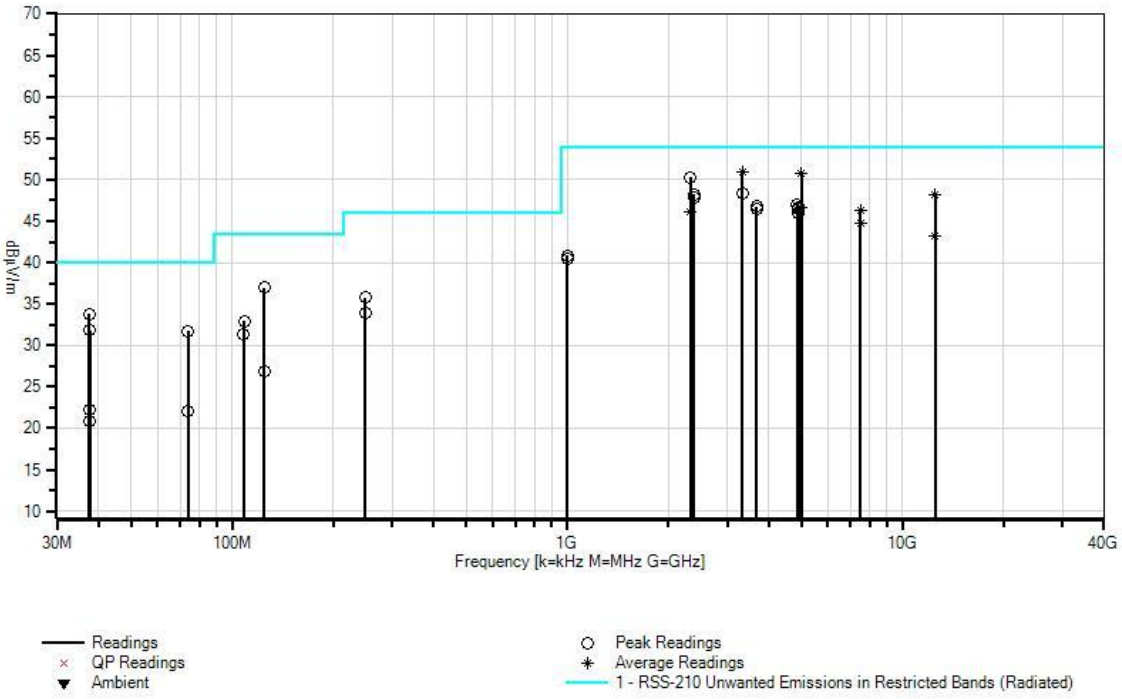
^	4999.997M	49.8	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	53.8	54.0	-0.2	Vert
5	2333.334M	55.2	+0.0 -38.0 +0.0 +0.0	+0.4 +28.3 +0.0	+1.2 +0.0 +0.0	+3.2 +0.0 +0.0	+0.0	50.3	54.0	-3.7	Vert
6	3333.332M	48.9	+0.0 -37.7 +0.6 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	48.4	54.0	-5.6	Vert
7	2390.000M	52.9	+0.0 -38.0 +0.0 +0.0	+0.4 +28.4 +0.0	+1.2 +0.0 +0.0	+3.3 +0.0 +0.0	+0.0	48.2	54.0	-5.8	Vert
8	12499.995 M Ave	32.5	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	48.1	54.0	-5.9	Horiz
^	12499.995 M	38.2	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	53.8	54.0	-0.2	Horiz
10	2389.981M	52.6	+0.0 -38.0 +0.0 +0.0	+0.4 +28.4 +0.0	+1.2 +0.0 +0.0	+3.3 +0.0 +0.0	+0.0	47.9	54.0	-6.1	Horiz
11	37.562M	45.7	+0.0 +14.8 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	33.8	40.0	-6.2	Vert
12	125.002M	50.6	+0.0 +12.1 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+1.9 +0.0 +0.0	+0.0	37.0	43.5	-6.5	Vert
13	4844.420M	43.3	+0.0 -37.1 +0.4 +0.4	+0.5 +33.0 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	47.0	54.0	-7.0	Horiz
14	4843.750M	43.3	+0.0 -37.1 +0.4 +0.4	+0.5 +33.0 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	47.0	54.0	-7.0	Vert
15	3666.667M	46.2	+0.0 -37.4 +0.4 +0.4	+0.4 +31.3 +0.4	+1.7 +0.4 +0.4	+4.2 +0.4 +0.4	+0.0	46.8	54.0	-7.2	Vert
16	4903.170M	42.9	+0.0 -37.1 +0.4 +0.4	+0.5 +33.1 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	46.7	54.0	-7.3	Horiz

17	4999.992M Ave	42.6	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	46.6	54.0	-7.4	Horiz
^	4999.992M	46.0	+0.0 -37.0 +0.3 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	50.0	54.0	-4.0	Horiz
19	3666.665M	45.8	+0.0 -37.4 +0.4 +0.4	+0.4 +31.3 +0.4	+1.7 +0.4 +0.4	+4.2 +0.4 +0.4	+0.0	46.4	54.0	-7.6	Horiz
20	4873.700M	42.6	+0.0 -37.1 +0.4 +0.4	+0.5 +33.1 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	46.4	54.0	-7.6	Horiz
21	7499.992M Ave	37.7	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	46.3	54.0	-7.7	Horiz
^	7499.992M	42.9	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	51.5	54.0	-2.5	Horiz
23	2333.332M Ave	51.1	+0.0 -38.0 +0.0 +0.0	+0.4 +28.3 +0.0	+1.2 +0.0 +0.0	+3.2 +0.0 +0.0	+0.0	46.2	54.0	-7.8	Horiz
^	2333.332M	57.2	+0.0 -38.0 +0.0 +0.0	+0.4 +28.3 +0.0	+1.2 +0.0 +0.0	+3.2 +0.0 +0.0	+0.0	52.3	54.0	-1.7	Horiz
25	4903.770M	42.2	+0.0 -37.1 +0.4 +0.4	+0.5 +33.1 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	46.0	54.0	-8.0	Vert
26	4873.900M	42.2	+0.0 -37.1 +0.4 +0.4	+0.5 +33.1 +0.4	+1.9 +0.4 +0.4	+5.0 +0.4 +0.4	+0.0	46.0	54.0	-8.0	Vert
27	37.706M	43.8	+0.0 +14.7 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	31.8	40.0	-8.2	Vert
28	73.819M	51.5	+0.0 +6.6 +0.0 +0.0	+0.1 +0.0 +0.0	-27.9 +0.0 +0.0	+1.4 +0.0 +0.0	+0.0	31.7	40.0	-8.3	Vert
29	74.005M	51.4	+0.0 +6.7 +0.0 +0.0	+0.1 +0.0 +0.0	-27.9 +0.0 +0.0	+1.4 +0.0 +0.0	+0.0	31.7	40.0	-8.3	Vert

30	7499.993M Ave	36.1	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	44.7	54.0	-9.3	Vert
^	7499.993M	42.9	+0.0 -36.5 +0.1 +0.1	+0.7 +35.5 +0.1	+2.3 +0.1 +0.1	+6.5 +0.1 +0.1	+0.0	51.5	54.0	-2.5	Vert
32	249.999M	47.9	+0.0 +12.7 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+2.8 +0.0 +0.0	+0.0	35.8	46.0	-10.2	Vert
33	108.846M	47.9	+0.0 +10.9 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.8 +0.0 +0.0	+0.0	32.9	43.5	-10.6	Vert
34	12499.993 M Ave	27.6	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	43.2	54.0	-10.8	Vert
^	12499.993 M	37.4	+0.0 -35.9 +0.2 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	53.0	54.0	-1.0	Vert
36	250.014M	46.1	+0.0 +12.7 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+2.8 +0.0 +0.0	+0.0	34.0	46.0	-12.0	Horiz
37	108.139M	46.5	+0.0 +10.8 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.8 +0.0 +0.0	+0.0	31.4	43.5	-12.1	Vert
38	999.999M	36.5	+0.0 +24.8 +0.0 +0.0	+0.6 +0.0 +0.0	-27.3 +0.0 +0.0	+6.2 +0.0 +0.0	+0.0	40.8	54.0	-13.2	Vert
39	999.996M	36.1	+0.0 +24.8 +0.0 +0.0	+0.6 +0.0 +0.0	-27.3 +0.0 +0.0	+6.2 +0.0 +0.0	+0.0	40.4	54.0	-13.6	Horiz
40	125.008M	40.5	+0.0 +12.1 +0.0 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+1.9 +0.0 +0.0	+0.0	26.9	43.5	-16.6	Horiz
41	37.685M	34.3	+0.0 +14.7 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	22.3	40.0	-17.7	Horiz
42	73.962M	41.8	+0.0 +6.6 +0.0 +0.0	+0.1 +0.0 +0.0	-27.9 +0.0 +0.0	+1.4 +0.0 +0.0	+0.0	22.0	40.0	-18.0	Horiz

43	37.542M	32.8	+0.0 +14.8 +0.0 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	20.9	40.0	-19.1	Horiz

CKC Laboratories, Inc. Date: 2/2/2012 Time: 18:21:24 Motorola Mobility, Inc. WO#: 92742
RSS-210 Unwanted Emissions in Restricted Bands (Radiated) Test Distance: 3 Meters Sequence#: 8 Ext ATTN: 0 dB



Test Location: CKC Laboratories, Inc. • 110 N. Olinda Place • Brea, CA 92823 • (714) 993-6112

Customer: **Motorola Mobility, Inc.**
Specification: **RSS-210 Unwanted Emissions in Restricted Bands (Radiated)**
Work Order #: **92742** Date: 2/5/2012
Test Type: **Maximized Emissions** Time: 13:01:35
Equipment: **DOCSIS 3.0 Wi-Fi Gateway** Sequence#: 17
Manufacturer: Motorola Mobility, Inc. Tested By: S. Yamamoto
Model: SBG6580 P2
S/N: 355601130600070507050085

***Test Equipment*:**

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02672	Spectrum Analyzer	E4446A	8/9/2010	8/9/2012
T2	AN03239	Cable	32022-2-29094K-24TC	8/30/2011	8/30/2013
T3	ANP05421	Cable	Sucoflex 104A	2/12/2010	2/12/2012
T4	ANP06081	Cable	L1-PNMNM-48	4/28/2011	4/28/2013
T5	AN00786	Preamp	83017A	8/5/2010	8/5/2012
T6	AN00849	Horn Antenna	3115	4/23/2010	4/23/2012
T7	AN02744	High Pass Filter	11SH10-3000/T10000-O/O	3/5/2010	3/5/2012
T8	ANP05050	Cable	RG223/U	3/21/2011	3/21/2013
T9	AN00309	Preamp	8447D	5/7/2010	5/7/2012
T10	ANP05198	Cable	8268	12/21/2010	12/21/2012
T11	AN01995	Biconilog Antenna	CBL6111C	3/8/2010	3/8/2012
T12	AN00314	Loop Antenna	6502	6/30/2010	6/30/2012
	AN01413	Horn Antenna-ANSI C63.5 Antenna Factors (dB)	84125-80008	12/2/2010	12/2/2012
	AN01413	Horn Antenna-1 Meter Antenna Factors (dB) - SAE ARP 958	84125-80008	12/2/2010	12/2/2012
	AN03158	Active Horn Antenna	AMFW-5F-26004000-33-8P	4/1/2010	4/1/2012
	ANP06153	Cable	16301	10/27/2011	10/27/2013

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
DOCSIS 3.0 Wi-Fi Gateway*	Motorola Mobility, Inc.	SBG6580 P2	35560113060007050705008 5

Support Devices:

Function	Manufacturer	Model #	S/N
Broadband Router	CASA Systems	C2200	FD3460
Gigabit Switch	Netgear	GS105v2	
Laptop Computer	HP	Compaq 6910p	
Performance Analysis System	Spirent	SMB-600B	N06012143
8 Way Splitter	Regal	DS8DGV10	
8 Way Splitter	Regal	DS8DGV10	
DHCP Server	HP	Compaq 6910p	
Diplexer	Eagle Comtronics	EDPF-65/85	(none)
Laptop Computer	Dell	Precision M70	

Test Conditions / Notes:

The equipment under test (EUT) is a DOCSIS 3.0 Wi-Fi Gateway. The EUT and its AC to DC adapter are stand alone on the table top lined with 5cm thick Styrofoam. All other support equipment is located remote from this test area. The CM Ethernet ports are connected to the SmartBits performance analysis system. The CM RF port is connected to the diplexer, then splitters and finally to the broadband router (CASA). The DHCP server is connected to the broadband router through the gigabit switch. The laptop is connected to the performance analysis system. The SmartBits is turned on and running data. The EUT is transmitting continuously.
Frequency range of EUT: 5745MHz to 5825MHz
Transmit Frequencies used for this data sheet: 5745MHz (Low), 5785MHz (Middle), and 5825MHz (High). Channels 149, 157, and 165. 802.11a (6 Mbps)
Antenna: Antenna Gain: 4.1 dBi max at 2.4GHz band. Antenna Gain: 4.4 dBi max at 5GHz band
Frequency range of measurement = 9 kHz to 40GHz.
Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz- 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz- 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz- 40000 MHz RBW=1 MHz, VBW=1 MHz.
Temperature: 20°C, Humidity: 38%, Pressure: 100kPa.

Ext Attn: 0 dB

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9	T2 T6 T10	T3 T7 T11	T4 T8 T12	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	3333.332M Ave	51.4	+0.0 -37.7 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	50.9	54.0	-3.1	Horiz
^	3333.332M	53.2	+0.0 -37.7 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	52.7	54.0	-1.3	Horiz
3	4999.998M Ave	46.7	+0.0 -37.0 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	50.7	54.0	-3.3	Vert
^	4999.997M	49.8	+0.0 -37.0 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	53.8	54.0	-0.2	Vert

5	2333.334M	55.2	+0.0 -38.0 +0.0	+0.4 +28.3 +0.0	+1.2 +0.0 +0.0	+3.2 +0.0 +0.0	+0.0	50.3	54.0	-3.7	Vert
6	11650.230 M	36.8	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.4	+0.0 +0.8 +36.5	+0.0	49.5	54.0	-4.5	Horiz
7	11570.270 M	36.5	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.3	+0.0 +0.8 +36.4	+0.0	49.1	54.0	-4.9	Horiz
8	3333.332M	48.9	+0.0 -37.7 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	48.4	54.0	-5.6	Vert
9	11491.270 M	35.9	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.3	+0.0 +0.8 +36.3	+0.0	48.3	54.0	-5.7	Vert
10	11651.030 M	35.5	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.4	+0.0 +0.8 +36.5	+0.0	48.2	54.0	-5.8	Vert
11	2390.000M	52.9	+0.0 -38.0 +0.0	+0.4 +28.4 +0.0	+1.2 +0.0 +0.0	+3.3 +0.0 +0.0	+0.0	48.2	54.0	-5.8	Vert
12	12499.995 M Ave	32.5	+0.0 -35.9 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	48.1	54.0	-5.9	Horiz
^	12499.995 M	38.2	+0.0 -35.9 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	53.8	54.0	-0.2	Horiz
14	114.300M	51.8	+0.0 +0.0 -27.8	+0.0 +0.0 +1.8	+0.0 +0.0 +11.4	+0.0 +0.2 +0.0	+0.0	37.4	43.5	-6.1	Vert
15	2389.981M	52.6	+0.0 -38.0 +0.0	+0.4 +28.4 +0.0	+1.2 +0.0 +0.0	+3.3 +0.0 +0.0	+0.0	47.9	54.0	-6.1	Horiz
16	37.562M	45.7	+0.0 +0.0 -27.8	+0.0 +0.0 +1.0	+0.0 +0.0 +14.8	+0.0 +0.1 +0.0	+0.0	33.8	40.0	-6.2	Vert
17	37.562M	45.7	+0.0 +14.8 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	33.8	40.0	-6.2	Vert
18	125.002M	50.6	+0.0 +12.1 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+1.9 +0.0 +0.0	+0.0	37.0	43.5	-6.5	Vert
19	125.002M	50.6	+0.0 +0.0 -27.8	+0.0 +0.0 +1.9	+0.0 +0.0 +12.1	+0.0 +0.2 +0.0	+0.0	37.0	43.5	-6.5	Vert
20	11569.530 M	34.7	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.3	+0.0 +0.8 +36.4	+0.0	47.3	54.0	-6.7	Vert
21	11489.770 M	34.5	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.3	+0.0 +0.8 +36.3	+0.0	46.9	54.0	-7.1	Horiz

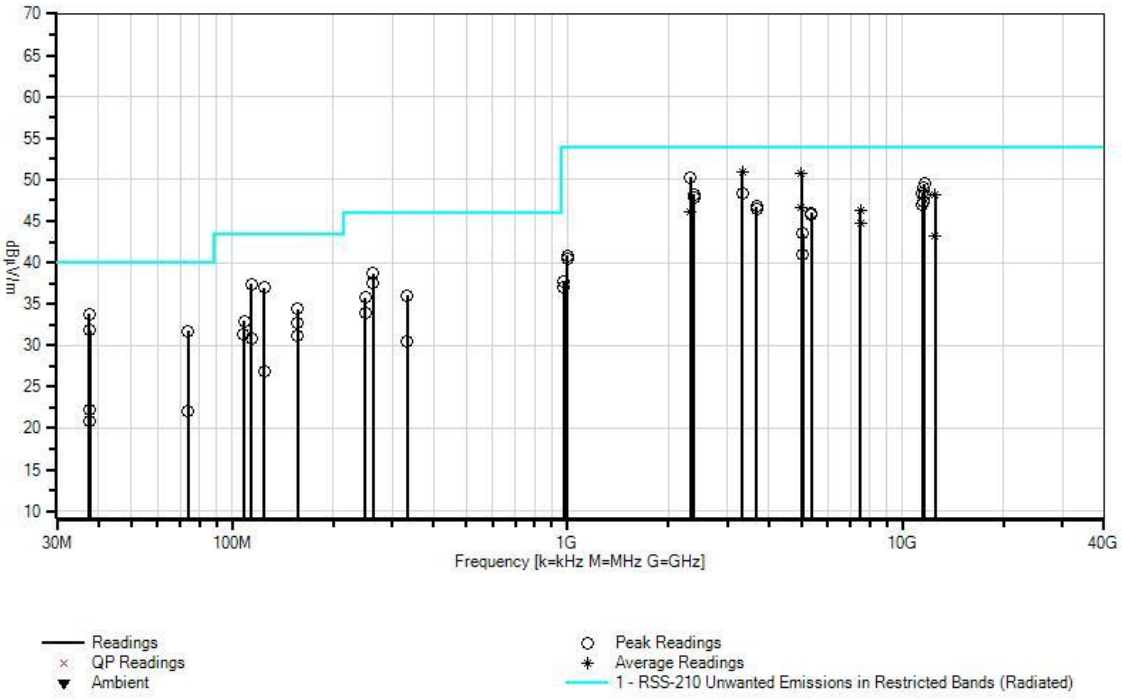
22	3666.667M	46.2	+0.0	+0.4	+1.7	+4.2	+0.0	46.8	54.0	-7.2	Vert
			-37.4	+31.3	+0.4	+0.4					
			+0.4	+0.4	+0.4	+0.4					
23	264.011M	50.3	+0.0	+0.0	+0.0	+0.0	+0.0	38.7	46.0	-7.3	Horiz
			+0.0	+0.0	+0.0	+0.3					
			-27.7	+2.9	+12.9	+0.0					
24	4999.992M	42.6	+0.0	+0.5	+1.9	+5.0	+0.0	46.6	54.0	-7.4	Horiz
	Ave		-37.0	+33.3	+0.3	+0.3					
			+0.3	+0.3	+0.3	+0.3					
^	4999.992M	46.0	+0.0	+0.5	+1.9	+5.0	+0.0	50.0	54.0	-4.0	Horiz
			-37.0	+33.3	+0.3	+0.3					
			+0.3	+0.3	+0.3	+0.3					
26	3666.665M	45.8	+0.0	+0.4	+1.7	+4.2	+0.0	46.4	54.0	-7.6	Horiz
			-37.4	+31.3	+0.4	+0.4					
			+0.4	+0.4	+0.4	+0.4					
27	7499.992M	37.7	+0.0	+0.7	+2.3	+6.5	+0.0	46.3	54.0	-7.7	Horiz
	Ave		-36.5	+35.5	+0.1	+0.1					
			+0.1	+0.1	+0.1	+0.1					
^	7499.992M	42.9	+0.0	+0.7	+2.3	+6.5	+0.0	51.5	54.0	-2.5	Horiz
			-36.5	+35.5	+0.1	+0.1					
			+0.1	+0.1	+0.1	+0.1					
29	2333.332M	51.1	+0.0	+0.4	+1.2	+3.2	+0.0	46.2	54.0	-7.8	Horiz
	Ave		-38.0	+28.3	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
^	2333.332M	57.2	+0.0	+0.4	+1.2	+3.2	+0.0	52.3	54.0	-1.7	Horiz
			-38.0	+28.3	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
31	5359.898M	40.6	+0.0	+0.0	+0.0	+0.0	+0.0	46.0	54.0	-8.0	Horiz
			+0.0	+0.0	+0.0	+0.6					
			+1.9	+5.3	-36.9	+34.1					
32	37.706M	43.8	+0.0	+0.0	+0.0	+0.0	+0.0	31.8	40.0	-8.2	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.8	+1.0	+14.7	+0.0					
33	5359.843M	40.4	+0.0	+0.0	+0.0	+0.0	+0.0	45.8	54.0	-8.2	Vert
			+0.0	+0.0	+0.0	+0.6					
			+1.9	+5.3	-36.9	+34.1					
34	37.706M	43.8	+0.0	+0.1	-27.8	+1.0	+0.0	31.8	40.0	-8.2	Vert
			+14.7	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
35	74.005M	51.4	+0.0	+0.1	-27.9	+1.4	+0.0	31.7	40.0	-8.3	Vert
			+6.7	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
36	74.005M	51.4	+0.0	+0.0	+0.0	+0.0	+0.0	31.7	40.0	-8.3	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.9	+1.4	+6.7	+0.0					
37	73.819M	51.5	+0.0	+0.0	+0.0	+0.0	+0.0	31.7	40.0	-8.3	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.9	+1.4	+6.6	+0.0					
38	73.819M	51.5	+0.0	+0.1	-27.9	+1.4	+0.0	31.7	40.0	-8.3	Vert
			+6.6	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					

39	264.010M	49.2	+0.0	+0.0	+0.0	+0.0	+0.0	37.6	46.0	-8.4	Vert
			+0.0	+0.0	+0.0	+0.3					
			-27.7	+2.9	+12.9	+0.0					
40	156.840M	48.9	+0.0	+0.0	+0.0	+0.0	+0.0	34.4	43.5	-9.1	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.7	+2.2	+10.9	+0.0					
41	7499.993M	36.1	+0.0	+0.7	+2.3	+6.5	+0.0	44.7	54.0	-9.3	Vert
	Ave		-36.5	+35.5	+0.1	+0.1					
			+0.1	+0.1	+0.1	+0.1					
^	7499.993M	42.9	+0.0	+0.7	+2.3	+6.5	+0.0	51.5	54.0	-2.5	Vert
			-36.5	+35.5	+0.1	+0.1					
			+0.1	+0.1	+0.1	+0.1					
43	333.344M	45.9	+0.0	+0.0	+0.0	+0.0	+0.0	36.0	46.0	-10.0	Horiz
			+0.0	+0.0	+0.0	+0.3					
			-27.8	+3.2	+14.4	+0.0					
44	249.999M	47.9	+0.0	+0.2	-27.8	+2.8	+0.0	35.8	46.0	-10.2	Vert
			+12.7	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
45	249.999M	47.9	+0.0	+0.0	+0.0	+0.0	+0.0	35.8	46.0	-10.2	Vert
			+0.0	+0.0	+0.0	+0.2					
			-27.8	+2.8	+12.7	+0.0					
46	5039.775M	39.4	+0.0	+0.0	+0.0	+0.0	+0.0	43.5	54.0	-10.5	Horiz
			+0.0	+0.0	+0.0	+0.5					
			+1.9	+5.0	-37.0	+33.4					
47	108.846M	47.9	+0.0	+0.1	-27.8	+1.8	+0.0	32.9	43.5	-10.6	Vert
			+10.9	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
48	108.846M	47.9	+0.0	+0.0	+0.0	+0.0	+0.0	32.9	43.5	-10.6	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.8	+1.8	+10.9	+0.0					
49	12499.993	27.6	+0.0	+0.8	+2.9	+8.9	+0.0	43.2	54.0	-10.8	Vert
	M		-35.9	+38.7	+0.2	+0.2					
	Ave		+0.2	+0.2	+0.2	+0.2					
^	12499.993	37.4	+0.0	+0.8	+2.9	+8.9	+0.0	53.0	54.0	-1.0	Vert
	M		-35.9	+38.7	+0.2	+0.2					
			+0.2	+0.2	+0.2	+0.2					
51	156.843M	47.2	+0.0	+0.0	+0.0	+0.0	+0.0	32.7	43.5	-10.8	Horiz
			+0.0	+0.0	+0.0	+0.1					
			-27.7	+2.2	+10.9	+0.0					
52	250.014M	46.1	+0.0	+0.0	+0.0	+0.0	+0.0	34.0	46.0	-12.0	Horiz
			+0.0	+0.0	+0.0	+0.2					
			-27.8	+2.8	+12.7	+0.0					
53	250.014M	46.1	+0.0	+0.2	-27.8	+2.8	+0.0	34.0	46.0	-12.0	Horiz
			+12.7	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
54	108.139M	46.5	+0.0	+0.0	+0.0	+0.0	+0.0	31.4	43.5	-12.1	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.8	+1.8	+10.8	+0.0					
55	108.139M	46.5	+0.0	+0.1	-27.8	+1.8	+0.0	31.4	43.5	-12.1	Vert
			+10.8	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					

56	156.800M	45.6	+0.0	+0.0	+0.0	+0.0	+0.0	31.1	43.5	-12.4	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.7	+2.2	+10.9	+0.0					
57	114.309M	45.2	+0.0	+0.0	+0.0	+0.0	+0.0	30.8	43.5	-12.7	Horiz
			+0.0	+0.0	+0.0	+0.2					
			-27.8	+1.8	+11.4	+0.0					
58	5040.021M	36.8	+0.0	+0.0	+0.0	+0.0	+0.0	40.9	54.0	-13.1	Vert
			+0.0	+0.0	+0.0	+0.5					
			+1.9	+5.0	-37.0	+33.4					
59	999.999M	36.5	+0.0	+0.0	+0.0	+0.0	+0.0	40.8	54.0	-13.2	Vert
			+0.0	+0.0	+0.0	+0.6					
			-27.3	+6.2	+24.8	+0.0					
60	999.999M	36.5	+0.0	+0.6	-27.3	+6.2	+0.0	40.8	54.0	-13.2	Vert
			+24.8	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
61	999.996M	36.1	+0.0	+0.0	+0.0	+0.0	+0.0	40.4	54.0	-13.6	Horiz
			+0.0	+0.0	+0.0	+0.6					
			-27.3	+6.2	+24.8	+0.0					
62	999.996M	36.1	+0.0	+0.6	-27.3	+6.2	+0.0	40.4	54.0	-13.6	Horiz
			+24.8	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
63	333.362M	40.3	+0.0	+0.0	+0.0	+0.0	+0.0	30.4	46.0	-15.6	Vert
			+0.0	+0.0	+0.0	+0.3					
			-27.8	+3.2	+14.4	+0.0					
64	976.045M	33.7	+0.0	+0.0	+0.0	+0.0	+0.0	37.7	54.0	-16.3	Horiz
			+0.0	+0.0	+0.0	+0.6					
			-27.2	+6.1	+24.5	+0.0					
65	125.008M	40.5	+0.0	+0.2	-27.8	+1.9	+0.0	26.9	43.5	-16.6	Horiz
			+12.1	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
66	125.008M	40.5	+0.0	+0.0	+0.0	+0.0	+0.0	26.9	43.5	-16.6	Horiz
			+0.0	+0.0	+0.0	+0.2					
			-27.8	+1.9	+12.1	+0.0					
67	976.052M	33.0	+0.0	+0.0	+0.0	+0.0	+0.0	37.0	54.0	-17.0	Vert
			+0.0	+0.0	+0.0	+0.6					
			-27.2	+6.1	+24.5	+0.0					
68	37.685M	34.3	+0.0	+0.0	+0.0	+0.0	+0.0	22.3	40.0	-17.7	Horiz
			+0.0	+0.0	+0.0	+0.1					
			-27.8	+1.0	+14.7	+0.0					
69	37.685M	34.3	+0.0	+0.1	-27.8	+1.0	+0.0	22.3	40.0	-17.7	Horiz
			+14.7	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
70	73.962M	41.8	+0.0	+0.0	+0.0	+0.0	+0.0	22.0	40.0	-18.0	Horiz
			+0.0	+0.0	+0.0	+0.1					
			-27.9	+1.4	+6.6	+0.0					
71	73.962M	41.8	+0.0	+0.1	-27.9	+1.4	+0.0	22.0	40.0	-18.0	Horiz
			+6.6	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
72	37.542M	32.8	+0.0	+0.0	+0.0	+0.0	+0.0	20.9	40.0	-19.1	Horiz
			+0.0	+0.0	+0.0	+0.1					
			-27.8	+1.0	+14.8	+0.0					

73	37.542M	32.8	+0.0 +14.8 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	20.9	40.0	-19.1	Horiz

CKC Laboratories, Inc. Date: 2/5/2012 Time: 13:01:35 Motorola Mobility, Inc. WO#: 92742
RSS-210 Unwanted Emissions in Restricted Bands (Radiated) Test Distance: 3 Meters Sequence#: 17 Ext ATTN: 0 dB



Test Location: CKC Laboratories, Inc. • 110 N. Olinda Place • Brea, CA 92823 • (714) 993-6112

Customer: **Motorola Mobility, Inc.**
Specification: **RSS-210 Unwanted Emissions in Restricted Bands (Radiated)**
Work Order #: **92742** Date: 2/5/2012
Test Type: **Maximized Emissions** Time: 13:01:35
Equipment: **DOCSIS 3.0 Wi-Fi Gateway** Sequence#: 18
Manufacturer: Motorola Mobility, Inc. Tested By: S. Yamamoto
Model: SBG6580 P2
S/N: 355601130600070507050085

***Test Equipment*:**

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02672	Spectrum Analyzer	E4446A	8/9/2010	8/9/2012
T2	AN03239	Cable	32022-2-29094K-24TC	8/30/2011	8/30/2013
T3	ANP05421	Cable	Sucoflex 104A	2/12/2010	2/12/2012
T4	ANP06081	Cable	L1-PNMNM-48	4/28/2011	4/28/2013
T5	AN00786	Preamp	83017A	8/5/2010	8/5/2012
T6	AN00849	Horn Antenna	3115	4/23/2010	4/23/2012
T7	AN02744	High Pass Filter	11SH10-3000/T10000-O/O	3/5/2010	3/5/2012
T8	ANP05050	Cable	RG223/U	3/21/2011	3/21/2013
T9	AN00309	Preamp	8447D	5/7/2010	5/7/2012
T10	ANP05198	Cable	8268	12/21/2010	12/21/2012
T11	AN01995	Biconilog Antenna	CBL6111C	3/8/2010	3/8/2012
T12	AN00314	Loop Antenna	6502	6/30/2010	6/30/2012
	AN01413	Horn Antenna-ANSI C63.5 Antenna Factors (dB)	84125-80008	12/2/2010	12/2/2012
	AN01413	Horn Antenna-1 Meter Antenna Factors (dB) - SAE ARP 958	84125-80008	12/2/2010	12/2/2012
	AN03158	Active Horn Antenna	AMFW-5F-26004000-33-8P	4/1/2010	4/1/2012
	ANP06153	Cable	16301	10/27/2011	10/27/2013

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
DOCSIS 3.0 Wi-Fi Gateway*	Motorola Mobility, Inc.	SBG6580 P2	35560113060007050705008 5

Support Devices:

Function	Manufacturer	Model #	S/N
Broadband Router	CASA Systems	C2200	FD3460
Gigabit Switch	Netgear	GS105v2	
Laptop Computer	HP	Compaq 6910p	
Performance Analysis System	Spirent	SMB-600B	N06012143
8 Way Splitter	Regal	DS8DGV10	
8 Way Splitter	Regal	DS8DGV10	
DHCP Server	HP	Compaq 6910p	
Diplexer	Eagle Comtronics	EDPF-65/85	(none)
Laptop Computer	Dell	Precision M70	

Test Conditions / Notes:

The equipment under test (EUT) is a DOCSIS 3.0 Wi-Fi Gateway. The EUT and its AC to DC adapter are stand alone on the table top lined with 5cm thick Styrofoam. All other support equipment is located remote from this test area. The CM Ethernet ports are connected to the SmartBits performance analysis system. The CM RF port is connected to the diplexer, then splitters and finally to the broadband router (CASA). The DHCP server is connected to the broadband router through the gigabit switch. The laptop is connected to the performance analysis system. The SmartBits is turned on and running data. The EUT is transmitting continuously.
Frequency range of EUT: 5745MHz to 5825MHz
Transmit Frequencies used for this data sheet: 5745MHz (Low), 5785MHz (Middle), and 5825MHz (High). Channels 149, 157, and 165. 802.11n (20MHz) (7.2 Mbps)
Antenna: Antenna Gain: 4.1 dBi max at 2.4GHz band. Antenna Gain: 4.4 dBi max at 5GHz band
Frequency range of measurement = 9 kHz to 40GHz.
Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz- 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz- 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz- 40000 MHz RBW=1 MHz, VBW=1 MHz.
Temperature: 20°C, Humidity: 38%, Pressure: 100kPa.

Ext Attn: 0 dB

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9	T2 T6 T10	T3 T7 T11	T4 T8 T12	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	3333.332M Ave	51.4	+0.0 -37.7 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	50.9	54.0	-3.1	Horiz
^	3333.332M	53.2	+0.0 -37.7 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	52.7	54.0	-1.3	Horiz
3	4999.998M Ave	46.7	+0.0 -37.0 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	50.7	54.0	-3.3	Vert
^	4999.997M	49.8	+0.0 -37.0 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	53.8	54.0	-0.2	Vert

5	2333.334M	55.2	+0.0 -38.0 +0.0	+0.4 +28.3 +0.0	+1.2 +0.0 +0.0	+3.2 +0.0 +0.0	+0.0	50.3	54.0	-3.7	Vert
6	11570.002 M	36.8	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.3	+0.0 +0.8 +36.4	+0.0	49.4	54.0	-4.6	Vert
7	11570.005 M	36.6	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.3	+0.0 +0.8 +36.4	+0.0	49.2	54.0	-4.8	Horiz
8	11490.003 M	36.8	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.3	+0.0 +0.8 +36.3	+0.0	49.2	54.0	-4.8	Horiz
9	11490.007 M	36.7	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.3	+0.0 +0.8 +36.3	+0.0	49.1	54.0	-4.9	Vert
10	11650.025 M	36.2	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.4	+0.0 +0.8 +36.5	+0.0	48.9	54.0	-5.1	Horiz
11	11650.020 M	35.8	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.4	+0.0 +0.8 +36.5	+0.0	48.5	54.0	-5.5	Vert
12	3333.332M	48.9	+0.0 -37.7 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	48.4	54.0	-5.6	Vert
13	2390.000M	52.9	+0.0 -38.0 +0.0	+0.4 +28.4 +0.0	+1.2 +0.0 +0.0	+3.3 +0.0 +0.0	+0.0	48.2	54.0	-5.8	Vert
14	12499.995 M Ave	32.5	+0.0 -35.9 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	48.1	54.0	-5.9	Horiz
^	12499.995 M	38.2	+0.0 -35.9 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	53.8	54.0	-0.2	Horiz
16	2389.981M	52.6	+0.0 -38.0 +0.0	+0.4 +28.4 +0.0	+1.2 +0.0 +0.0	+3.3 +0.0 +0.0	+0.0	47.9	54.0	-6.1	Horiz
17	114.300M	51.8	+0.0 +0.0 -27.8	+0.0 +0.0 +1.8	+0.0 +0.0 +11.4	+0.0 +0.2 +0.0	+0.0	37.4	43.5	-6.1	Vert
18	37.562M	45.7	+0.0 +0.0 -27.8	+0.0 +0.0 +1.0	+0.0 +0.0 +14.8	+0.0 +0.1 +0.0	+0.0	33.8	40.0	-6.2	Vert
19	37.562M	45.7	+0.0 +14.8 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	33.8	40.0	-6.2	Vert
20	125.002M	50.6	+0.0 +12.1 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+1.9 +0.0 +0.0	+0.0	37.0	43.5	-6.5	Vert
21	125.002M	50.6	+0.0 +0.0 -27.8	+0.0 +0.0 +1.9	+0.0 +0.0 +12.1	+0.0 +0.2 +0.0	+0.0	37.0	43.5	-6.5	Vert

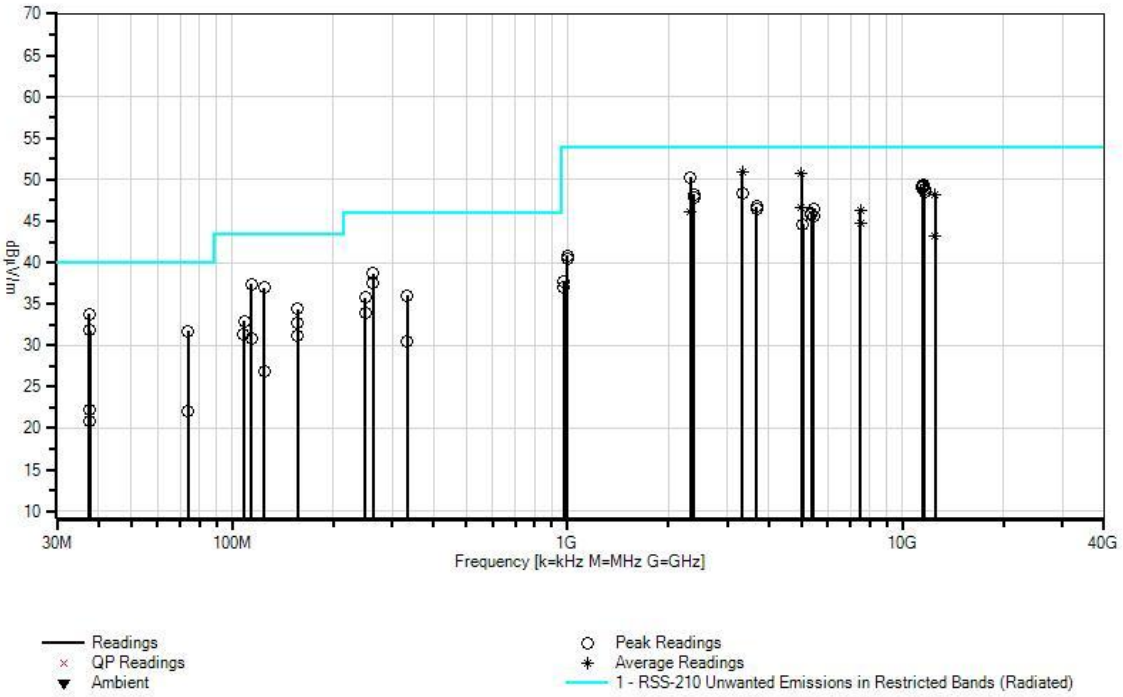
22	3666.667M	46.2	+0.0	+0.4	+1.7	+4.2	+0.0	46.8	54.0	-7.2	Vert
			-37.4	+31.3	+0.4	+0.4					
			+0.4	+0.4	+0.4	+0.4					
23	264.011M	50.3	+0.0	+0.0	+0.0	+0.0	+0.0	38.7	46.0	-7.3	Horiz
			+0.0	+0.0	+0.0	+0.3					
			-27.7	+2.9	+12.9	+0.0					
24	4999.992M	42.6	+0.0	+0.5	+1.9	+5.0	+0.0	46.6	54.0	-7.4	Horiz
	Ave		-37.0	+33.3	+0.3	+0.3					
			+0.3	+0.3	+0.3	+0.3					
^	4999.992M	46.0	+0.0	+0.5	+1.9	+5.0	+0.0	50.0	54.0	-4.0	Horiz
			-37.0	+33.3	+0.3	+0.3					
			+0.3	+0.3	+0.3	+0.3					
26	5439.907M	40.6	+0.0	+0.0	+0.0	+0.0	+0.0	46.4	54.0	-7.6	Vert
			+0.0	+0.0	+0.0	+0.6					
			+2.0	+5.4	-36.9	+34.3					
27	3666.665M	45.8	+0.0	+0.4	+1.7	+4.2	+0.0	46.4	54.0	-7.6	Horiz
			-37.4	+31.3	+0.4	+0.4					
			+0.4	+0.4	+0.4	+0.4					
28	7499.992M	37.7	+0.0	+0.7	+2.3	+6.5	+0.0	46.3	54.0	-7.7	Horiz
	Ave		-36.5	+35.5	+0.1	+0.1					
			+0.1	+0.1	+0.1	+0.1					
^	7499.992M	42.9	+0.0	+0.7	+2.3	+6.5	+0.0	51.5	54.0	-2.5	Horiz
			-36.5	+35.5	+0.1	+0.1					
			+0.1	+0.1	+0.1	+0.1					
30	2333.332M	51.1	+0.0	+0.4	+1.2	+3.2	+0.0	46.2	54.0	-7.8	Horiz
	Ave		-38.0	+28.3	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
^	2333.332M	57.2	+0.0	+0.4	+1.2	+3.2	+0.0	52.3	54.0	-1.7	Horiz
			-38.0	+28.3	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
32	5359.954M	40.5	+0.0	+0.0	+0.0	+0.0	+0.0	45.9	54.0	-8.1	Horiz
			+0.0	+0.0	+0.0	+0.6					
			+1.9	+5.3	-36.9	+34.1					
33	37.706M	43.8	+0.0	+0.0	+0.0	+0.0	+0.0	31.8	40.0	-8.2	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.8	+1.0	+14.7	+0.0					
34	37.706M	43.8	+0.0	+0.1	-27.8	+1.0	+0.0	31.8	40.0	-8.2	Vert
			+14.7	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
35	5359.958M	40.4	+0.0	+0.0	+0.0	+0.0	+0.0	45.8	54.0	-8.2	Vert
			+0.0	+0.0	+0.0	+0.6					
			+1.9	+5.3	-36.9	+34.1					
36	73.819M	51.5	+0.0	+0.1	-27.9	+1.4	+0.0	31.7	40.0	-8.3	Vert
			+6.6	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
37	74.005M	51.4	+0.0	+0.1	-27.9	+1.4	+0.0	31.7	40.0	-8.3	Vert
			+6.7	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
38	73.819M	51.5	+0.0	+0.0	+0.0	+0.0	+0.0	31.7	40.0	-8.3	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.9	+1.4	+6.6	+0.0					

39	74.005M	51.4	+0.0	+0.0	+0.0	+0.0	+0.0	31.7	40.0	-8.3	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.9	+1.4	+6.7	+0.0					
40	264.010M	49.2	+0.0	+0.0	+0.0	+0.0	+0.0	37.6	46.0	-8.4	Vert
			+0.0	+0.0	+0.0	+0.3					
			-27.7	+2.9	+12.9	+0.0					
41	5440.070M	39.8	+0.0	+0.0	+0.0	+0.0	+0.0	45.6	54.0	-8.4	Horiz
			+0.0	+0.0	+0.0	+0.6					
			+2.0	+5.4	-36.9	+34.3					
42	156.840M	48.9	+0.0	+0.0	+0.0	+0.0	+0.0	34.4	43.5	-9.1	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.7	+2.2	+10.9	+0.0					
43	7499.993M	36.1	+0.0	+0.7	+2.3	+6.5	+0.0	44.7	54.0	-9.3	Vert
	Ave		-36.5	+35.5	+0.1	+0.1					
			+0.1	+0.1	+0.1	+0.1					
^	7499.993M	42.9	+0.0	+0.7	+2.3	+6.5	+0.0	51.5	54.0	-2.5	Vert
			-36.5	+35.5	+0.1	+0.1					
			+0.1	+0.1	+0.1	+0.1					
45	5039.971M	40.5	+0.0	+0.0	+0.0	+0.0	+0.0	44.6	54.0	-9.4	Vert
			+0.0	+0.0	+0.0	+0.5					
			+1.9	+5.0	-37.0	+33.4					
46	5039.927M	40.4	+0.0	+0.0	+0.0	+0.0	+0.0	44.5	54.0	-9.5	Horiz
			+0.0	+0.0	+0.0	+0.5					
			+1.9	+5.0	-37.0	+33.4					
47	333.344M	45.9	+0.0	+0.0	+0.0	+0.0	+0.0	36.0	46.0	-10.0	Horiz
			+0.0	+0.0	+0.0	+0.3					
			-27.8	+3.2	+14.4	+0.0					
48	249.999M	47.9	+0.0	+0.0	+0.0	+0.0	+0.0	35.8	46.0	-10.2	Vert
			+0.0	+0.0	+0.0	+0.2					
			-27.8	+2.8	+12.7	+0.0					
49	249.999M	47.9	+0.0	+0.2	-27.8	+2.8	+0.0	35.8	46.0	-10.2	Vert
			+12.7	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
50	108.846M	47.9	+0.0	+0.1	-27.8	+1.8	+0.0	32.9	43.5	-10.6	Vert
			+10.9	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
51	108.846M	47.9	+0.0	+0.0	+0.0	+0.0	+0.0	32.9	43.5	-10.6	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.8	+1.8	+10.9	+0.0					
52	12499.993	27.6	+0.0	+0.8	+2.9	+8.9	+0.0	43.2	54.0	-10.8	Vert
	M		-35.9	+38.7	+0.2	+0.2					
	Ave		+0.2	+0.2	+0.2	+0.2					
^	12499.993	37.4	+0.0	+0.8	+2.9	+8.9	+0.0	53.0	54.0	-1.0	Vert
	M		-35.9	+38.7	+0.2	+0.2					
			+0.2	+0.2	+0.2	+0.2					
54	156.843M	47.2	+0.0	+0.0	+0.0	+0.0	+0.0	32.7	43.5	-10.8	Horiz
			+0.0	+0.0	+0.0	+0.1					
			-27.7	+2.2	+10.9	+0.0					
55	250.014M	46.1	+0.0	+0.0	+0.0	+0.0	+0.0	34.0	46.0	-12.0	Horiz
			+0.0	+0.0	+0.0	+0.2					
			-27.8	+2.8	+12.7	+0.0					

56	250.014M	46.1	+0.0 +12.7 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+2.8 +0.0 +0.0	+0.0	34.0	46.0	-12.0	Horiz
57	108.139M	46.5	+0.0 +10.8 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.8 +0.0 +0.0	+0.0	31.4	43.5	-12.1	Vert
58	108.139M	46.5	+0.0 +0.0 -27.8	+0.0 +0.0 +1.8	+0.0 +0.0 +10.8	+0.0 +0.1 +0.0	+0.0	31.4	43.5	-12.1	Vert
59	156.800M	45.6	+0.0 +0.0 -27.7	+0.0 +0.0 +2.2	+0.0 +0.0 +10.9	+0.0 +0.1 +0.0	+0.0	31.1	43.5	-12.4	Vert
60	114.309M	45.2	+0.0 +0.0 -27.8	+0.0 +0.0 +1.8	+0.0 +0.0 +11.4	+0.0 +0.2 +0.0	+0.0	30.8	43.5	-12.7	Horiz
61	999.999M	36.5	+0.0 +0.0 -27.3	+0.0 +0.0 +6.2	+0.0 +0.0 +24.8	+0.0 +0.6 +0.0	+0.0	40.8	54.0	-13.2	Vert
62	999.999M	36.5	+0.0 +24.8 +0.0	+0.6 +0.0 +0.0	-27.3 +0.0 +0.0	+6.2 +0.0 +0.0	+0.0	40.8	54.0	-13.2	Vert
63	999.996M	36.1	+0.0 +0.0 -27.3	+0.0 +0.0 +6.2	+0.0 +0.0 +24.8	+0.0 +0.6 +0.0	+0.0	40.4	54.0	-13.6	Horiz
64	999.996M	36.1	+0.0 +24.8 +0.0	+0.6 +0.0 +0.0	-27.3 +0.0 +0.0	+6.2 +0.0 +0.0	+0.0	40.4	54.0	-13.6	Horiz
65	333.362M	40.3	+0.0 +0.0 -27.8	+0.0 +0.0 +3.2	+0.0 +0.0 +14.4	+0.0 +0.3 +0.0	+0.0	30.4	46.0	-15.6	Vert
66	976.045M	33.7	+0.0 +0.0 -27.2	+0.0 +0.0 +6.1	+0.0 +0.0 +24.5	+0.0 +0.6 +0.0	+0.0	37.7	54.0	-16.3	Horiz
67	125.008M	40.5	+0.0 +12.1 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+1.9 +0.0 +0.0	+0.0	26.9	43.5	-16.6	Horiz
68	125.008M	40.5	+0.0 +0.0 -27.8	+0.0 +0.0 +1.9	+0.0 +0.0 +12.1	+0.0 +0.2 +0.0	+0.0	26.9	43.5	-16.6	Horiz
69	976.052M	33.0	+0.0 +0.0 -27.2	+0.0 +0.0 +6.1	+0.0 +0.0 +24.5	+0.0 +0.6 +0.0	+0.0	37.0	54.0	-17.0	Vert
70	37.685M	34.3	+0.0 +0.0 -27.8	+0.0 +0.0 +1.0	+0.0 +0.0 +14.7	+0.0 +0.1 +0.0	+0.0	22.3	40.0	-17.7	Horiz
71	37.685M	34.3	+0.0 +14.7 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	22.3	40.0	-17.7	Horiz
72	73.962M	41.8	+0.0 +0.0 -27.9	+0.0 +0.0 +1.4	+0.0 +0.0 +6.6	+0.0 +0.1 +0.0	+0.0	22.0	40.0	-18.0	Horiz

73	73.962M	41.8	+0.0 +6.6 +0.0	+0.1 +0.0 +0.0	-27.9 +0.0 +0.0	+1.4 +0.0 +0.0	+0.0	22.0	40.0	-18.0	Horiz
74	37.542M	32.8	+0.0 +0.0 -27.8	+0.0 +0.0 +1.0	+0.0 +0.0 +14.8	+0.0 +0.1 +0.0	+0.0	20.9	40.0	-19.1	Horiz
75	37.542M	32.8	+0.0 +14.8 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	20.9	40.0	-19.1	Horiz

CKC Laboratories, Inc. Date: 2/5/2012 Time: 13:01:35 Motorola Mobility, Inc. WO#: 92742
RSS-210 Unwanted Emissions in Restricted Bands (Radiated) Test Distance: 3 Meters Sequence#: 18 Ext ATTN: 0 dB



Test Location: CKC Laboratories, Inc. • 110 N. Olinda Place • Brea, CA 92823 • (714) 993-6112

Customer: **Motorola Mobility, Inc.**
Specification: **RSS-210 Unwanted Emissions in Restricted Bands (Radiated)**
Work Order #: **92742** Date: 2/5/2012
Test Type: **Maximized Emissions** Time: 13:01:35
Equipment: **DOCSIS 3.0 Wi-Fi Gateway** Sequence#: 19
Manufacturer: Motorola Mobility, Inc. Tested By: S. Yamamoto
Model: SBG6580 P2
S/N: 355601130600070507050085

***Test Equipment*:**

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02672	Spectrum Analyzer	E4446A	8/9/2010	8/9/2012
T2	AN03239	Cable	32022-2-29094K-24TC	8/30/2011	8/30/2013
T3	ANP05421	Cable	Sucoflex 104A	2/12/2010	2/12/2012
T4	ANP06081	Cable	L1-PNMNM-48	4/28/2011	4/28/2013
T5	AN00786	Preamp	83017A	8/5/2010	8/5/2012
T6	AN00849	Horn Antenna	3115	4/23/2010	4/23/2012
T7	AN02744	High Pass Filter	11SH10-3000/T10000-O/O	3/5/2010	3/5/2012
T8	ANP05050	Cable	RG223/U	3/21/2011	3/21/2013
T9	AN00309	Preamp	8447D	5/7/2010	5/7/2012
T10	ANP05198	Cable	8268	12/21/2010	12/21/2012
T11	AN01995	Biconilog Antenna	CBL6111C	3/8/2010	3/8/2012
T12	AN00314	Loop Antenna	6502	6/30/2010	6/30/2012
	AN01413	Horn Antenna-ANSI C63.5 Antenna Factors (dB)	84125-80008	12/2/2010	12/2/2012
	AN01413	Horn Antenna-1 Meter Antenna Factors (dB) - SAE ARP 958	84125-80008	12/2/2010	12/2/2012
	AN03158	Active Horn Antenna	AMFW-5F-26004000-33-8P	4/1/2010	4/1/2012
	ANP06153	Cable	16301	10/27/2011	10/27/2013

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
DOCSIS 3.0 Wi-Fi Gateway*	Motorola Mobility, Inc.	SBG6580 P2	35560113060007050705008 5

Support Devices:

Function	Manufacturer	Model #	S/N
Broadband Router	CASA Systems	C2200	FD3460
Gigabit Switch	Netgear	GS105v2	
Laptop Computer	HP	Compaq 6910p	
Performance Analysis System	Spirent	SMB-600B	N06012143
8 Way Splitter	Regal	DS8DGV10	
8 Way Splitter	Regal	DS8DGV10	
DHCP Server	HP	Compaq 6910p	
Diplexer	Eagle Comtronics	EDPF-65/85	(none)
Laptop Computer	Dell	Precision M70	

Test Conditions / Notes:

The equipment under test (EUT) is a DOCSIS 3.0 Wi-Fi Gateway. The EUT and its AC to DC adapter are stand alone on the table top lined with 5cm thick Styrofoam. All other support equipment is located remote from this test area. The CM Ethernet ports are connected to the SmartBits performance analysis system. The CM RF port is connected to the diplexer, then splitters and finally to the broadband router (CASA). The DHCP server is connected to the broadband router through the gigabit switch. The laptop is connected to the performance analysis system. The SmartBits is turned on and running data. The EUT is transmitting continuously.
Frequency range of EUT: 5755MHz to 5795MHz
Transmit Frequencies used for this data sheet: 5755MHz (Low), and 5795MHz (High). Channels 151, and 159. 802.11n (40MHz) (15 Mbps)
Antenna: Antenna Gain: 4.1 dBi max at 2.4GHz band. Antenna Gain: 4.4 dBi max at 5GHz band
Frequency range of measurement = 9 kHz to 40GHz.
Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz- 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz- 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz- 40000 MHz RBW=1 MHz, VBW=1 MHz.
Temperature: 20°C, Humidity: 38%, Pressure: 100kPa.

Ext Attn: 0 dB

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5 T9	T2 T6 T10	T3 T7 T11	T4 T8 T12	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	3333.332M Ave	51.4	+0.0 -37.7 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	50.9	54.0	-3.1	Horiz
^	3333.332M	53.2	+0.0 -37.7 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	52.7	54.0	-1.3	Horiz
3	4999.998M Ave	46.7	+0.0 -37.0 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	50.7	54.0	-3.3	Vert
^	4999.997M	49.8	+0.0 -37.0 +0.3	+0.5 +33.3 +0.3	+1.9 +0.3 +0.3	+5.0 +0.3 +0.3	+0.0	53.8	54.0	-0.2	Vert

5	2333.334M	55.2	+0.0 -38.0 +0.0	+0.4 +28.3 +0.0	+1.2 +0.0 +0.0	+3.2 +0.0 +0.0	+0.0	50.3	54.0	-3.7	Vert
6	11590.020 M	37.4	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.3	+0.0 +0.8 +36.4	+0.0	50.1	54.0	-3.9	Vert
7	11590.063 M	36.5	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.3	+0.0 +0.8 +36.4	+0.0	49.2	54.0	-4.8	Horiz
8	11509.988 M	36.7	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.3	+0.0 +0.8 +36.3	+0.0	49.1	54.0	-4.9	Vert
9	11510.078 M	36.5	+0.0 +0.0 +2.8	+0.0 +0.0 +8.5	+0.0 +0.0 -36.3	+0.0 +0.8 +36.3	+0.0	48.9	54.0	-5.1	Horiz
10	3333.332M	48.9	+0.0 -37.7 +0.6	+0.4 +30.7 +0.6	+1.6 +0.6 +0.6	+3.9 +0.6 +0.6	+0.0	48.4	54.0	-5.6	Vert
11	2390.000M	52.9	+0.0 -38.0 +0.0	+0.4 +28.4 +0.0	+1.2 +0.0 +0.0	+3.3 +0.0 +0.0	+0.0	48.2	54.0	-5.8	Vert
12	12499.995 M Ave	32.5	+0.0 -35.9 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	48.1	54.0	-5.9	Horiz
^	12499.995 M	38.2	+0.0 -35.9 +0.2	+0.8 +38.7 +0.2	+2.9 +0.2 +0.2	+8.9 +0.2 +0.2	+0.0	53.8	54.0	-0.2	Horiz
14	114.300M	51.8	+0.0 +0.0 -27.8	+0.0 +0.0 +1.8	+0.0 +0.0 +11.4	+0.0 +0.2 +0.0	+0.0	37.4	43.5	-6.1	Vert
15	2389.981M	52.6	+0.0 -38.0 +0.0	+0.4 +28.4 +0.0	+1.2 +0.0 +0.0	+3.3 +0.0 +0.0	+0.0	47.9	54.0	-6.1	Horiz
16	37.562M	45.7	+0.0 +14.8 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	33.8	40.0	-6.2	Vert
17	37.562M	45.7	+0.0 +0.0 -27.8	+0.0 +0.0 +1.0	+0.0 +0.0 +14.8	+0.0 +0.1 +0.0	+0.0	33.8	40.0	-6.2	Vert
18	125.002M	50.6	+0.0 +0.0 -27.8	+0.0 +0.0 +1.9	+0.0 +0.0 +12.1	+0.0 +0.2 +0.0	+0.0	37.0	43.5	-6.5	Vert
19	125.002M	50.6	+0.0 +12.1 +0.0	+0.2 +0.0 +0.0	-27.8 +0.0 +0.0	+1.9 +0.0 +0.0	+0.0	37.0	43.5	-6.5	Vert
20	5440.111M	41.3	+0.0 +0.0 +2.0	+0.0 +0.0 +5.4	+0.0 +0.0 -36.9	+0.0 +0.6 +34.3	+0.0	47.1	54.0	-6.9	Vert
21	3666.667M	46.2	+0.0 -37.4 +0.4	+0.4 +31.3 +0.4	+1.7 +0.4 +0.4	+4.2 +0.4 +0.4	+0.0	46.8	54.0	-7.2	Vert

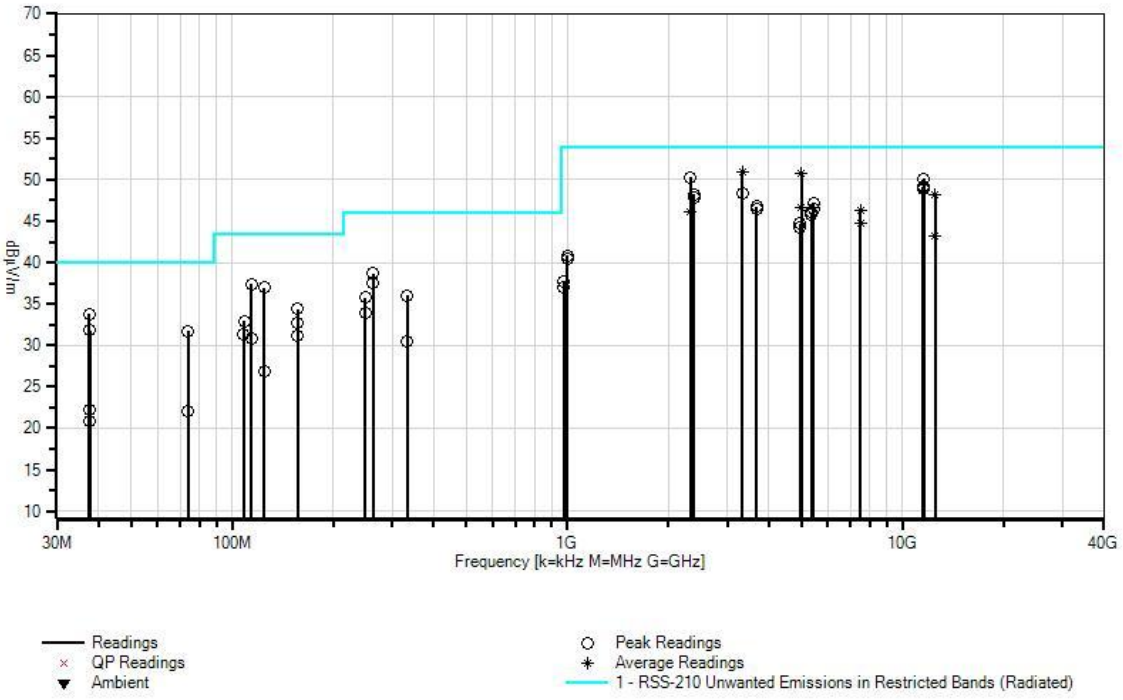
22	264.011M	50.3	+0.0	+0.0	+0.0	+0.0	+0.0	38.7	46.0	-7.3	Horiz
			+0.0	+0.0	+0.0	+0.3					
			-27.7	+2.9	+12.9	+0.0					
23	4999.992M	42.6	+0.0	+0.5	+1.9	+5.0	+0.0	46.6	54.0	-7.4	Horiz
	Ave		-37.0	+33.3	+0.3	+0.3					
			+0.3	+0.3	+0.3	+0.3					
^	4999.992M	46.0	+0.0	+0.5	+1.9	+5.0	+0.0	50.0	54.0	-4.0	Horiz
			-37.0	+33.3	+0.3	+0.3					
			+0.3	+0.3	+0.3	+0.3					
25	5439.935M	40.7	+0.0	+0.0	+0.0	+0.0	+0.0	46.5	54.0	-7.5	Horiz
			+0.0	+0.0	+0.0	+0.6					
			+2.0	+5.4	-36.9	+34.3					
26	3666.665M	45.8	+0.0	+0.4	+1.7	+4.2	+0.0	46.4	54.0	-7.6	Horiz
			-37.4	+31.3	+0.4	+0.4					
			+0.4	+0.4	+0.4	+0.4					
27	7499.992M	37.7	+0.0	+0.7	+2.3	+6.5	+0.0	46.3	54.0	-7.7	Horiz
	Ave		-36.5	+35.5	+0.1	+0.1					
			+0.1	+0.1	+0.1	+0.1					
^	7499.992M	42.9	+0.0	+0.7	+2.3	+6.5	+0.0	51.5	54.0	-2.5	Horiz
			-36.5	+35.5	+0.1	+0.1					
			+0.1	+0.1	+0.1	+0.1					
29	2333.332M	51.1	+0.0	+0.4	+1.2	+3.2	+0.0	46.2	54.0	-7.8	Horiz
	Ave		-38.0	+28.3	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
^	2333.332M	57.2	+0.0	+0.4	+1.2	+3.2	+0.0	52.3	54.0	-1.7	Horiz
			-38.0	+28.3	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
31	5359.941M	40.7	+0.0	+0.0	+0.0	+0.0	+0.0	46.1	54.0	-7.9	Vert
			+0.0	+0.0	+0.0	+0.6					
			+1.9	+5.3	-36.9	+34.1					
32	37.706M	43.8	+0.0	+0.1	-27.8	+1.0	+0.0	31.8	40.0	-8.2	Vert
			+14.7	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
33	37.706M	43.8	+0.0	+0.0	+0.0	+0.0	+0.0	31.8	40.0	-8.2	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.8	+1.0	+14.7	+0.0					
34	5359.883M	40.4	+0.0	+0.0	+0.0	+0.0	+0.0	45.8	54.0	-8.2	Horiz
			+0.0	+0.0	+0.0	+0.6					
			+1.9	+5.3	-36.9	+34.1					
35	74.005M	51.4	+0.0	+0.1	-27.9	+1.4	+0.0	31.7	40.0	-8.3	Vert
			+6.7	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
36	74.005M	51.4	+0.0	+0.0	+0.0	+0.0	+0.0	31.7	40.0	-8.3	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.9	+1.4	+6.7	+0.0					
37	73.819M	51.5	+0.0	+0.0	+0.0	+0.0	+0.0	31.7	40.0	-8.3	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.9	+1.4	+6.6	+0.0					
38	73.819M	51.5	+0.0	+0.1	-27.9	+1.4	+0.0	31.7	40.0	-8.3	Vert
			+6.6	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					

39	264.010M	49.2	+0.0	+0.0	+0.0	+0.0	+0.0	37.6	46.0	-8.4	Vert
			+0.0	+0.0	+0.0	+0.3					
			-27.7	+2.9	+12.9	+0.0					
40	156.840M	48.9	+0.0	+0.0	+0.0	+0.0	+0.0	34.4	43.5	-9.1	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.7	+2.2	+10.9	+0.0					
41	4960.009M	40.8	+0.0	+0.0	+0.0	+0.0	+0.0	44.7	54.0	-9.3	Horiz
			+0.0	+0.0	+0.0	+0.5					
			+1.9	+5.0	-37.0	+33.2					
42	7499.993M	36.1	+0.0	+0.7	+2.3	+6.5	+0.0	44.7	54.0	-9.3	Vert
	Ave		-36.5	+35.5	+0.1	+0.1					
			+0.1	+0.1	+0.1	+0.1					
^	7499.993M	42.9	+0.0	+0.7	+2.3	+6.5	+0.0	51.5	54.0	-2.5	Vert
			-36.5	+35.5	+0.1	+0.1					
			+0.1	+0.1	+0.1	+0.1					
44	4959.758M	40.4	+0.0	+0.0	+0.0	+0.0	+0.0	44.3	54.0	-9.7	Vert
			+0.0	+0.0	+0.0	+0.5					
			+1.9	+5.0	-37.0	+33.2					
45	333.344M	45.9	+0.0	+0.0	+0.0	+0.0	+0.0	36.0	46.0	-10.0	Horiz
			+0.0	+0.0	+0.0	+0.3					
			-27.8	+3.2	+14.4	+0.0					
46	249.999M	47.9	+0.0	+0.0	+0.0	+0.0	+0.0	35.8	46.0	-10.2	Vert
			+0.0	+0.0	+0.0	+0.2					
			-27.8	+2.8	+12.7	+0.0					
47	249.999M	47.9	+0.0	+0.2	-27.8	+2.8	+0.0	35.8	46.0	-10.2	Vert
			+12.7	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
48	108.846M	47.9	+0.0	+0.1	-27.8	+1.8	+0.0	32.9	43.5	-10.6	Vert
			+10.9	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
49	108.846M	47.9	+0.0	+0.0	+0.0	+0.0	+0.0	32.9	43.5	-10.6	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.8	+1.8	+10.9	+0.0					
50	156.843M	47.2	+0.0	+0.0	+0.0	+0.0	+0.0	32.7	43.5	-10.8	Horiz
			+0.0	+0.0	+0.0	+0.1					
			-27.7	+2.2	+10.9	+0.0					
51	12499.993	27.6	+0.0	+0.8	+2.9	+8.9	+0.0	43.2	54.0	-10.8	Vert
	M		-35.9	+38.7	+0.2	+0.2					
	Ave		+0.2	+0.2	+0.2	+0.2					
^	12499.993	37.4	+0.0	+0.8	+2.9	+8.9	+0.0	53.0	54.0	-1.0	Vert
	M		-35.9	+38.7	+0.2	+0.2					
			+0.2	+0.2	+0.2	+0.2					
53	250.014M	46.1	+0.0	+0.0	+0.0	+0.0	+0.0	34.0	46.0	-12.0	Horiz
			+0.0	+0.0	+0.0	+0.2					
			-27.8	+2.8	+12.7	+0.0					
54	250.014M	46.1	+0.0	+0.2	-27.8	+2.8	+0.0	34.0	46.0	-12.0	Horiz
			+12.7	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
55	108.139M	46.5	+0.0	+0.0	+0.0	+0.0	+0.0	31.4	43.5	-12.1	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.8	+1.8	+10.8	+0.0					

56	108.139M	46.5	+0.0	+0.1	-27.8	+1.8	+0.0	31.4	43.5	-12.1	Vert
			+10.8	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
57	156.800M	45.6	+0.0	+0.0	+0.0	+0.0	+0.0	31.1	43.5	-12.4	Vert
			+0.0	+0.0	+0.0	+0.1					
			-27.7	+2.2	+10.9	+0.0					
58	114.309M	45.2	+0.0	+0.0	+0.0	+0.0	+0.0	30.8	43.5	-12.7	Horiz
			+0.0	+0.0	+0.0	+0.2					
			-27.8	+1.8	+11.4	+0.0					
59	999.999M	36.5	+0.0	+0.6	-27.3	+6.2	+0.0	40.8	54.0	-13.2	Vert
			+24.8	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
60	999.999M	36.5	+0.0	+0.0	+0.0	+0.0	+0.0	40.8	54.0	-13.2	Vert
			+0.0	+0.0	+0.0	+0.6					
			-27.3	+6.2	+24.8	+0.0					
61	999.996M	36.1	+0.0	+0.0	+0.0	+0.0	+0.0	40.4	54.0	-13.6	Horiz
			+0.0	+0.0	+0.0	+0.6					
			-27.3	+6.2	+24.8	+0.0					
62	999.996M	36.1	+0.0	+0.6	-27.3	+6.2	+0.0	40.4	54.0	-13.6	Horiz
			+24.8	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
63	333.362M	40.3	+0.0	+0.0	+0.0	+0.0	+0.0	30.4	46.0	-15.6	Vert
			+0.0	+0.0	+0.0	+0.3					
			-27.8	+3.2	+14.4	+0.0					
64	976.045M	33.7	+0.0	+0.0	+0.0	+0.0	+0.0	37.7	54.0	-16.3	Horiz
			+0.0	+0.0	+0.0	+0.6					
			-27.2	+6.1	+24.5	+0.0					
65	125.008M	40.5	+0.0	+0.0	+0.0	+0.0	+0.0	26.9	43.5	-16.6	Horiz
			+0.0	+0.0	+0.0	+0.2					
			-27.8	+1.9	+12.1	+0.0					
66	125.008M	40.5	+0.0	+0.2	-27.8	+1.9	+0.0	26.9	43.5	-16.6	Horiz
			+12.1	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
67	976.052M	33.0	+0.0	+0.0	+0.0	+0.0	+0.0	37.0	54.0	-17.0	Vert
			+0.0	+0.0	+0.0	+0.6					
			-27.2	+6.1	+24.5	+0.0					
68	37.685M	34.3	+0.0	+0.1	-27.8	+1.0	+0.0	22.3	40.0	-17.7	Horiz
			+14.7	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
69	37.685M	34.3	+0.0	+0.0	+0.0	+0.0	+0.0	22.3	40.0	-17.7	Horiz
			+0.0	+0.0	+0.0	+0.1					
			-27.8	+1.0	+14.7	+0.0					
70	73.962M	41.8	+0.0	+0.0	+0.0	+0.0	+0.0	22.0	40.0	-18.0	Horiz
			+0.0	+0.0	+0.0	+0.1					
			-27.9	+1.4	+6.6	+0.0					
71	73.962M	41.8	+0.0	+0.1	-27.9	+1.4	+0.0	22.0	40.0	-18.0	Horiz
			+6.6	+0.0	+0.0	+0.0					
			+0.0	+0.0	+0.0	+0.0					
72	37.542M	32.8	+0.0	+0.0	+0.0	+0.0	+0.0	20.9	40.0	-19.1	Horiz
			+0.0	+0.0	+0.0	+0.1					
			-27.8	+1.0	+14.8	+0.0					

73	37.542M	32.8	+0.0 +14.8 +0.0	+0.1 +0.0 +0.0	-27.8 +0.0 +0.0	+1.0 +0.0 +0.0	+0.0	20.9	40.0	-19.1	Horiz

CKC Laboratories, Inc. Date: 2/5/2012 Time: 13:01:35 Motorola Mobility, Inc. WO#: 92742
RSS-210 Unwanted Emissions in Restricted Bands (Radiated) Test Distance: 3 Meters Sequence#: 19 Ext ATTN: 0 dB



Test Setup Photos

SUPPLEMENTAL INFORMATION

Measurement Uncertainty

Uncertainty Value	Parameter
4.73 dB	Radiated Emissions
3.34 dB	Mains Conducted Emissions
3.30 dB	Disturbance Power

The reported measurement uncertainties are calculated based on the worst case of all laboratory environments from CKC Laboratories, Inc. test sites. Only those parameters which require estimation of measurement uncertainty are reported. The reported worst case measurement uncertainty is less than the maximum values derived in CISPR 16-4-2. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k=2. Compliance is deemed to occur provided measurements are below the specified limits.

Emissions Test Details

TESTING PARAMETERS

Unless otherwise indicated, the following configuration parameters are used for equipment setup: The cables were routed consistent with the typical application by varying the configuration of the test sample. Interface cables were connected to the available ports of the test unit. The effect of varying the position of the cables was investigated to find the configuration that produced maximum emissions. Cables were of the type and length specified in the individual requirements. The length of cable that produced maximum emissions was selected.

The equipment under test (EUT) was set up in a manner that represented its normal use, as shown in the setup photographs. Any special conditions required for the EUT to operate normally are identified in the comments that accompany the emissions tables.

The emissions data was taken with a spectrum analyzer or receiver. Incorporating the applicable correction factors for distance, antenna, cable loss and amplifier gain, the data was reduced as shown in the table below. The corrected data was then compared to the applicable emission limits. Preliminary and final measurements were taken in order to ensure that all emissions from the EUT were found and maximized.

CORRECTION FACTORS

The basic spectrum analyzer reading was converted using correction factors as shown in the highest emissions readings in the tables. For radiated emissions in dBµV/m, the spectrum analyzer reading in dBµV was corrected by using the following formula. This reading was then compared to the applicable specification limit.

SAMPLE CALCULATIONS		
	Meter reading	(dBµV)
+	Antenna Factor	(dB)
+	Cable Loss	(dB)
-	Distance Correction	(dB)
-	Preamplifier Gain	(dB)
=	Corrected Reading	(dBµV/m)

TEST INSTRUMENTATION AND ANALYZER SETTINGS

The test instrumentation and equipment listed were used to collect the emissions data. A spectrum analyzer or receiver was used for all measurements. Unless otherwise specified, the following table shows the measuring equipment bandwidth settings that were used in designated frequency bands. For testing emissions, an appropriate reference level and a vertical scale size of 10 dB per division were used.

MEASURING EQUIPMENT BANDWIDTH SETTINGS PER FREQUENCY RANGE			
TEST	BEGINNING FREQUENCY	ENDING FREQUENCY	BANDWIDTH SETTING
CONDUCTED EMISSIONS	150 kHz	30 MHz	9 kHz
RADIATED EMISSIONS	30 MHz	1000 MHz	120 kHz
RADIATED EMISSIONS	1000 MHz	>1 GHz	1 MHz

SPECTRUM ANALYZER/RECEIVER DETECTOR FUNCTIONS

The notes that accompany the measurements contained in the emissions tables indicate the type of detector function used to obtain the given readings. Unless otherwise noted, all readings were made in the "positive peak" detector mode. Whenever a "quasi-peak" or "average" reading was recorded, the measurement was annotated with a "QP" or an "Ave" on the appropriate rows of the data sheets. In cases where quasi-peak or average limits were employed and data exists for multiple measurement types for the same frequency then the peak measurement was retained in the report for reference, however the numbering for the affected row was removed and an arrow or carrot ("^") was placed in the far left-hand column indicating that the row above takes precedence for comparison to the limit. The following paragraphs describe in more detail the detector functions and when they were used to obtain the emissions data.

Peak

In this mode, the spectrum analyzer or receiver recorded all emissions at their peak value as the frequency band selected was scanned. By combining this function with another feature called "peak hold," the measurement device had the ability to measure intermittent or low duty cycle transient emission peak levels. In this mode the measuring device made a slow scan across the frequency band selected and measured the peak emission value found at each frequency across the band.

Quasi-Peak

Quasi-peak measurements were taken using the quasi-peak detector when the true peak values exceeded or were within 2 dB of a quasi-peak specification limit. Additional QP measurements may have been taken at the discretion of the operator.

Average

Average measurements were taken using the average detector when the true peak values exceeded or were within 2 dB of an average specification limit. Additional average measurements may have been taken at the discretion of the operator. If the specification or test procedure requires trace averaging, then the averaging was performed using 100 samples or as required by the specification. All other average measurements are performed using video bandwidth averaging. To make these measurements, the test engineer reduces the video bandwidth on the measuring device until the modulation of the signal is filtered out. At this point the measuring device is set into the linear mode and the scan time is reduced.