



Engineering Solutions & Electromagnetic Compatibility Services

FCC Part 15.247 & IC RSS-210 Certification Report

Harris Corporation
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Lynchburg, VA 24501
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Model: XG-25M 700/800 MHz Mobile Radio with Bluetooth

FCC ID: OWDTR-0076-E
IC: 3636B-0076

May 2, 2013

Standards Referenced for this Report	
American National Standard Institute:	ANSI C63.4-2003: Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
FCC Classification:	DSS – Part 15 Spread Spectrum Transmitter
FCC Rule Part(s):	FCC Rules Part 15.247: Operation within the bands 920-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz Frequency Hopping System (2012)
IC Standard:	RSS-210 Issue 8: Low-power Licence-exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment
FCC Procedure:	ANSI C63.10-2009: American National Standard for Testing Unlicensed Wireless Devices
Digital Interface Information:	Digital Interface was found to be compliant

Frequency Range (MHz)	Rated Transmit Power (W) (Conducted)	Frequency Tolerance (ppm)	Transmit Mode/ Emission Designator
2402 – 2480	0.005	N/A	1M18FXD
2402 – 2480	0.004	N/A	1M45GXD

Report Prepared By: Daniel Baltzell

Document Number: 2012287DSS

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These tests are accredited and meet the requirements of ISO/IEC 17025 as verified by ANSI-ASQ National Accreditation Board/ACCLASS. Refer to certificate and scope of accreditation AT-1445.

Table of Contents

1	General Information	5
1.1	Scope	5
1.2	Description of EUT	5
1.3	Test Facility	5
1.4	Related Submittal(s)/Grant(s)	5
1.5	Modifications	5
2	Test Information	6
2.1	Description of Test Modes	6
2.2	Exercising the EUT	6
2.3	Test Result Summary	6
2.4	Tested System Details	7
3	Peak Output Power – FCC 15.247(b)(1), RSS-210 A8.4(2), RSS-Gen 4.8	9
3.1	Power Output Test Procedure	9
3.2	Power Output Test Data	9
4	Antenna Conducted Spurious Emissions – FCC 15.247(d), RSS-210 A8.5	10
4.1	Antenna Conducted Spurious Emissions Test Procedure	10
5	Band-Edge Compliance of RF Conducted Emissions – FCC 15.247(d), RSS-210 6.6.2(o)	10
5.1	Band Edge Test Procedure	10
5.2	Test Results	11
5.3	Radiated Band Edge Emissions	13
6	20 dB Bandwidth – FCC 15.247(a)(1), RSS-210 A8.1(a)	14
6.1	20 dB Bandwidth Test Procedure	14
6.2	20 dB Modulated Bandwidth Test Data	14
6.3	20 dB Bandwidth Plots	14
7	Carrier Frequency Separation - 15.247(a)(1), RSS-210 A8.1(b)	23
7.1	Carrier Frequency Separation Test Procedure	23
7.2	Carrier Frequency Separation Test Data	23
8	Hopping Characteristics – FCC 15.247(a)(1)(iii), RSS-210 A8.1(d)	25
8.1	Hopping Characteristics Test Procedure	25
8.2	Number of Hopping Frequencies	25
8.3	Average Time of Occupancy	26
9	AC Conducted Emissions - FCC Rules and Regulations 15.207	28
9.1	Site and Test Description	28
9.2	Test Limits	28
9.3	Conducted Emissions Test Data	29
10	Radiated Emissions Test Results - FCC Rules and Regulations Part 15.247(d)	31
10.1	Limits of Radiated Emissions Measurement	31
10.2	Radiated Emissions Measurement Test Procedure	31
10.2.1	Radiated Emissions Harmonics/Spurious Test Data	33
11	Conclusion	34

Figure Index

Figure 2-1: Configuration of Tested System	8
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Table Index

Table 2-1: Channels Tested	6
Table 2-2: Test Result Summary – FCC Part 15, Subpart C (Section 15.247).....	6
Table 2-3: Equipment Under Test (EUT).....	7
Table 3-1: Power Output Test Data – High Power	9
Table 3-2: Power Output Test Equipment	9
Table 4-1: Antenna Conducted Spurious Test Equipment.....	10
Table 5-1: Band-Edge Compliance of RF Conducted Emissions Test Equipment.....	12
Table 5-2: Radiated Band Edge Emissions Test Data.....	13
Table 5-3: Radiated Band Edge Test Equipment.....	13
Table 6-1: 20 dB Modulated Bandwidth Test Data	14
Table 6-2: 20 dB Bandwidth Test Equipment.....	22
Table 7-1: Carrier Frequency Separation Test Equipment	24
Table 8-1: Hopping Characteristics Test Equipment.....	27
Table 9-1: Conducted Emissions Test Equipment	30
Table 10-1: Radiated Emissions Test Equipment	32
Table 10-2: Radiated Emissions Harmonics/Spurious - 2402 MHz	33
Table 10-3: Radiated Emissions Harmonics/Spurious - 2441 MHz	33
Table 10-4: Radiated Emissions Harmonics/Spurious - 2480 MHz	33

Plot Index

Plot 5-1: Lower Band Edge TX Frequency - 2402 MHz Fixed Frequency (Light Blue) & Hopping (Blue).....	11
Plot 5-2: Upper Band Edge TX Frequency - 2480 MHz Fixed Frequency (Light Blue) & Hopping (Blue).....	12
Plot 6-1: 20 dB Bandwidth - 2402 MHz – DH5	14
Plot 6-2: 20 dB Bandwidth - 2441 MHz – DH5	15
Plot 6-3: 20 dB Bandwidth - 2480 MHz – DH5	16
Plot 6-4: 20 dB Bandwidth - 2402 MHz – 2-DH5.....	17
Plot 6-5: 20 dB Bandwidth - 2441 MHz – 2-DH5.....	18
Plot 6-6: 20 dB Bandwidth - 2480 MHz – 2-DH5.....	19
Plot 6-7: 20 dB Bandwidth - 2402 MHz – 3-DH5	20
Plot 6-8: 20 dB Bandwidth - 2441 MHz – 3-DH5	21
Plot 6-9: 20 dB Bandwidth - 2480 MHz – 3-DH5	22
Plot 7-1: Carrier Frequency Separation	23
Plot 8-1: Number of Hopping Frequencies (2402 - 2480 MHz).....	25
Plot 8-2: Time of Occupancy (Dwell Time)	26
Plot 8-3: Number of Pulses in 5 Second Sweep	27
Plot 9-1: Conducted Emissions Test Data - Neutral Side.....	29
Plot 9-2: Conducted Emissions Test Data – Hot Side	29

Appendix Index

Appendix A:	FCC Part 1.1307, 1.1310, 2.1091, 2.1093 RF Exposure	35
Appendix B:	Agency Authorization Letter	36
Appendix C:	FCC Confidentiality Request Letter.....	37
Appendix D:	IC Letters.....	38
Appendix E:	Label and Label Location	39
Appendix F:	Technical Operational Description	40
Appendix G:	Schematics.....	41
Appendix H:	Block Diagram	42
Appendix I:	Manual.....	43
Appendix J:	Test Photographs	44
Appendix K:	External Photographs.....	48
Appendix L:	Internal Photographs	49

Photograph Index

Photograph 1:	Radiated Testing – Front View	44
Photograph 2:	Radiated Testing – Rear View	45
Photograph 3:	AC Conducted Testing – Front View.....	46
Photograph 4:	AC Conducted Testing – Rear View	47

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Client: Harris Corporation
Model: XG-25M 700/800 MHz Radio
IDs: OWDTR-0076-E/3636B-0076
Standards: FCC 15.247/IC RSS-210
Report #: 2012287DSS

1 General Information

1.1 Scope

This is an original certification application test report.

Applicable Standards:

- FCC Rules Part 15.247: Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz.
- RSS-210 Issue 8: Low-power Licence-exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment

1.2 Description of EUT

Equipment Under Test	Harris 700/800 MHz Transceiver with Bluetooth
Model	XG-25M
Power Supply	13.8 VDC
Modulation Type	FHSS
Frequency Range	2402 – 2480 MHz
Antenna Connector Type	N/A
Antenna Type	Internal chip antenna

1.3 Test Facility

The open area test site and conducted measurement facility used to collect the radiated data is located at 360 Herndon Parkway, Suite 1400, Herndon, Virginia 20170. This site has been fully described in a report and approved by the Federal Communications Commission to perform AC line conducted and radiated emissions testing (ANSI C63.4-2003).

1.4 Related Submittal(s)/Grant(s)

This is an original application for Harris Corporation Model: XG-25M 700/800 MHz, M/N: DM-M78B, FCC ID: OWDTR-0076-E, IC: 3636B-0076.

1.5 Modifications

None.

2 Test Information

2.1 Description of Test Modes

In accordance with FCC 15.31(m), and because the EUT utilizes an operating band greater than 10 MHz, the following frequencies were tested:

Table 2-1: Channels Tested

Channel	Frequency
Low	2402
Middle	2441
High	2480

2.2 Exercising the EUT

The EUT was supplied with test software to select various transmit/receive modes (for example, high, mid, and low channel, hopping on/off, etc) for testing. The EUT was tested in all three orthogonal planes in order to determine worst-case emissions. The EUT was provided with software to continuously transmit during testing. The carrier was also checked to verify that information was being transmitted. There were no deviations from the test standard(s) and/or methods. The test results reported relate only to the item tested.

DH5 (SDR), 2-DH5 (EDR) and 3-DH5 (EDR) modes were investigated. Where pertinent, data is presented for all three modes; otherwise, worst-case data is presented.

2.3 Test Result Summary

Table 2-2: Test Result Summary – FCC Part 15, Subpart C (Section 15.247)

Standard	Test	Pass/Fail or N/A
FCC 15.207	AC Power Conducted Emissions	Pass
FCC 15.209	Radiated Emissions	Pass
FCC 15.247(b)	Maximum Peak Power Output	Pass
FCC 15.247(d)	Antenna Conducted Spurious Emissions	Pass
FCC 15.247(d)	Band Edge Measurement	Pass
FCC 15.247(a)(1)	Carrier Frequency Separation	Pass
FCC 15.247(a)(1)(ii)	20 dB Bandwidth	Pass
FCC 15.247(a)(1)(iii)	Hopping Characteristics	Pass
FCC 15.247(a)(1)(iii)	Average Time of Occupancy	Pass

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2.4 Tested System Details

The test sample was received on March 26, 2013. Listed below are the identifiers and descriptions of all equipment, cables, and internal devices used with the EUT for this test, as applicable. The device was programmed for multiple modes of operation and modulation types.

Table 2-3: Equipment Under Test (EUT)

Part	Manufacturer	Model	PN	FCC ID	RTL Bar Code
700 / 800 MHz Mobile Radio with GPS Module	Harris Corporation	XG-25M	A40153000B04	OWDTR-0076-E	21006
700 / 800 MHz Mobile Radio	Harris Corporation	XG-25M	A40153000B03	OWDTR-0076-E	21007
Handset	Harris Corporation	MC-101616-0060	N/A	N/A	21003

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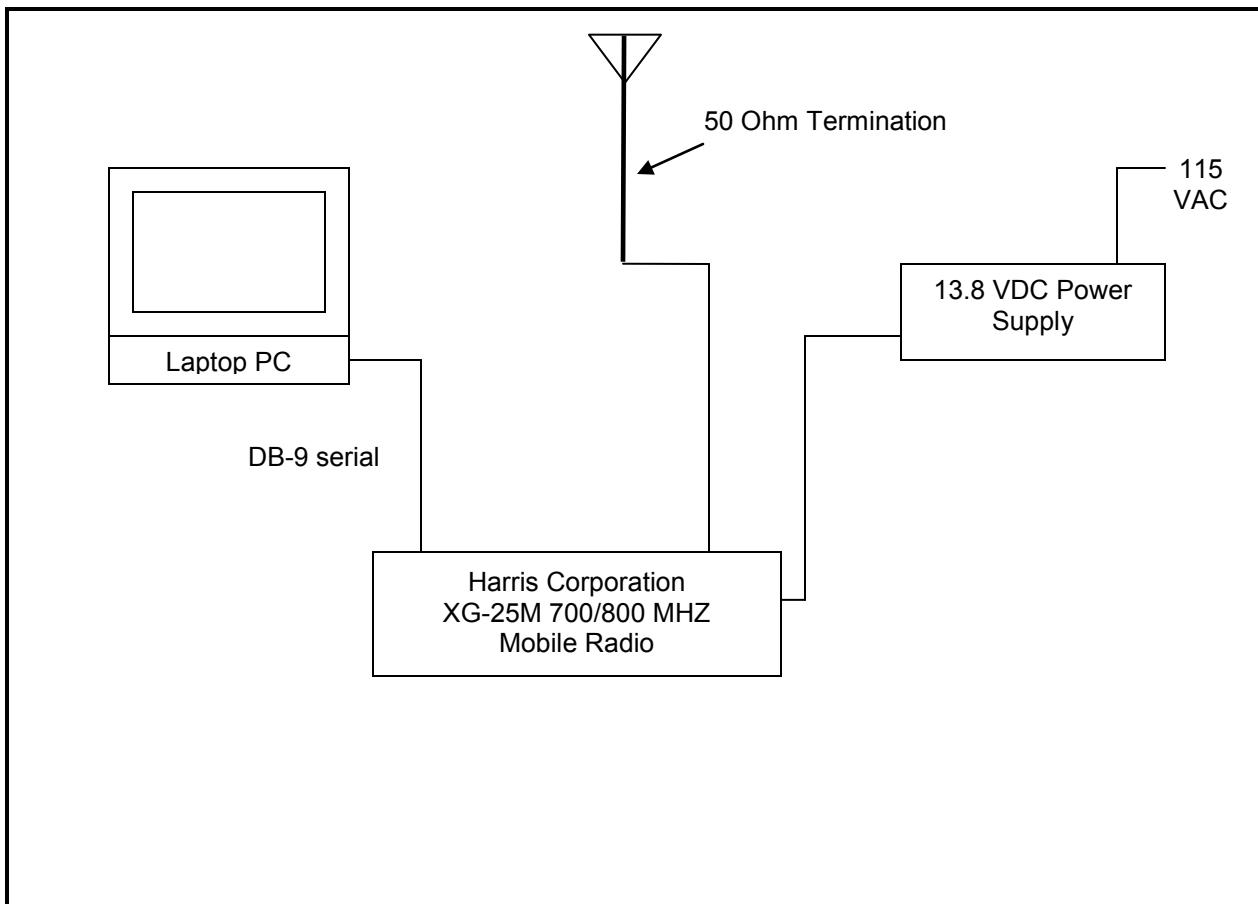


Figure 2-1: Configuration of Tested System

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3 Peak Output Power – FCC 15.247(b)(1), RSS-210 A8.4(2), RSS-Gen 4.8

3.1 Power Output Test Procedure

A conducted power measurement of the EUT was taken using an HP spectrum analyzer.

Procedure: C63.10-2009 6.10

3.2 Power Output Test Data

Table 3-1: Power Output Test Data – High Power

Frequency (MHz)/CW	Peak Conducted Power (dBm) DH5 (SDR) 1 Mbps	Peak Conducted Power (dBm) 2-DH5 (EDR) M bps	Peak Conducted Power (dBm) 3-DH5 (EDR) 3 Mbps
2402	6.9	5.6	5.6
2441	6.8	5.5	5.4
2480	7.2	5.7	5.6

Table 3-2: Power Output Test Equipment

RTL Asset #	Manufacturer	Model	Part Type	Serial Number	Calibration Due Date
901215	Hewlett Packard	8596EM	Spectrum Analyzer (9 kHz - 12.8 GHz)	3826A00144	3/15/14

Test Personnel:

Dan Baltzell
EMC Test Engineer



Signature

April 26, 2013
Date of Test

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4 Antenna Conducted Spurious Emissions – FCC 15.247(d), RSS-210 A.8.5

4.1 Antenna Conducted Spurious Emissions Test Procedure

Procedure: C63.10-2009 6.7

Low, middle and high channels and hopping mode were investigated at both the lowest and highest operating powers. No spurious emissions were found within 20 dB of the limit; per FCC 15.31(o), no data is being reported (note that we are reporting power as peak).

Table 4-1: Antenna Conducted Spurious Test Equipment

RTL Asset #	Manufacturer	Model	Part Type	Serial Number	Calibration Due Date
901215	Hewlett Packard	8596EM	Spectrum Analyzer (9 kHz - 12.8 GHz)	3826A00144	3/15/14

Test Personnel:

Dan Baltzell
EMC Test Engineer

Daniel W. Boleyn

April 28, 2013

5 Band-Edge Compliance of RF Conducted Emissions – FCC 15.247(d), RSS-210 6.6.2(o)

5.1 Band Edge Test Procedure

Procedure: C63.10-2009 6.9.2.4

The EUT was connected to the spectrum analyzer through suitable attenuation. The span was set wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products which fall outside of the authorized band of operation. The spectrum analyzer was set to the following:

RBW \geq 1% of span

$$VBW \geq RBW$$

Sweep ≥ auto

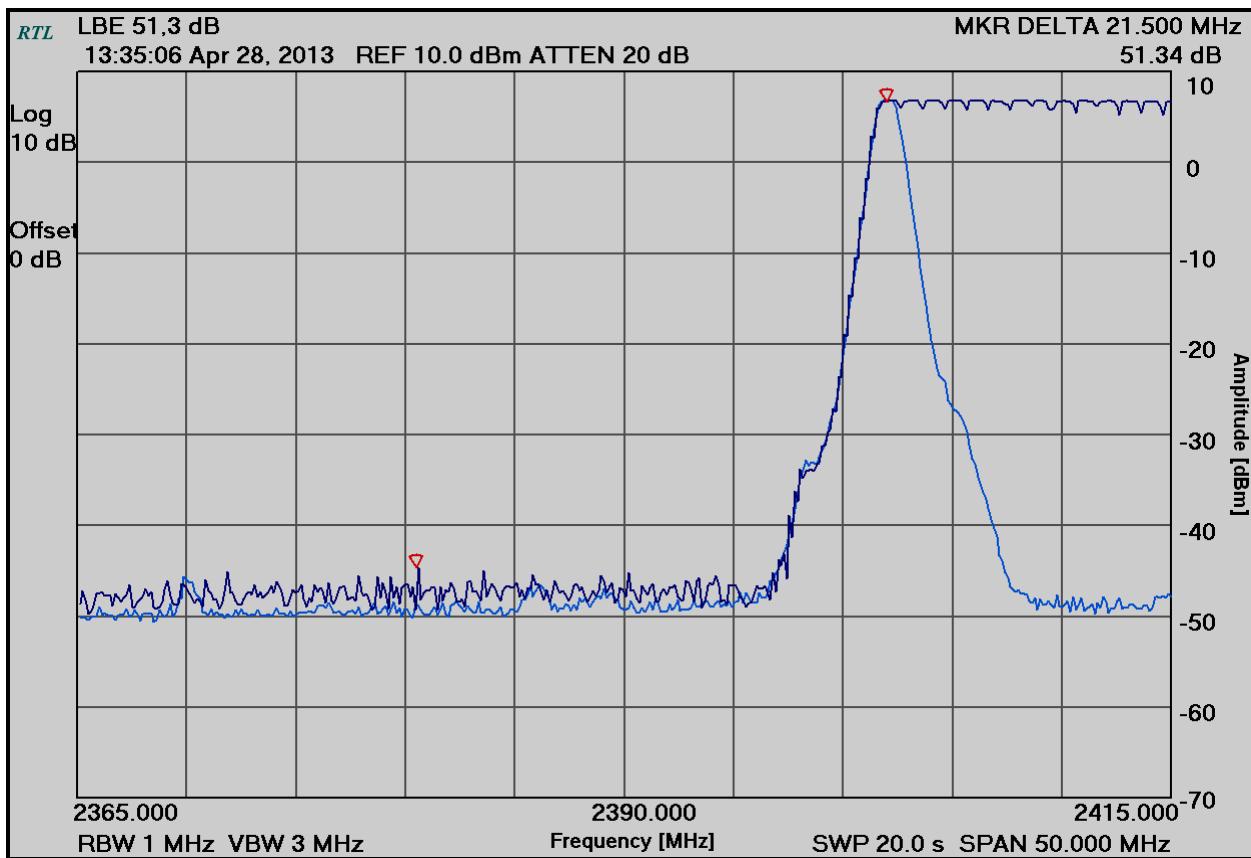
Detector function = peak

Trace = max hold

The trace was allowed to stabilize. The marker was set on the emission at the band edge. The marker-delta was used to show the delta between the maximum in-band emission and the emission at the band edge, and was compared to the 20 dBc requirement of 15.247(d) (when using peak emissions). This measurement was taken in both fixed frequency and hopping modes.

5.2 Test Results

Plot 5-1: Lower Band Edge TX Frequency - 2402 MHz Fixed Frequency (Light Blue) & Hopping (Blue)



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Plot 5-2: Upper Band Edge TX Frequency - 2480 MHz Fixed Frequency (Light Blue) & Hopping (Blue)

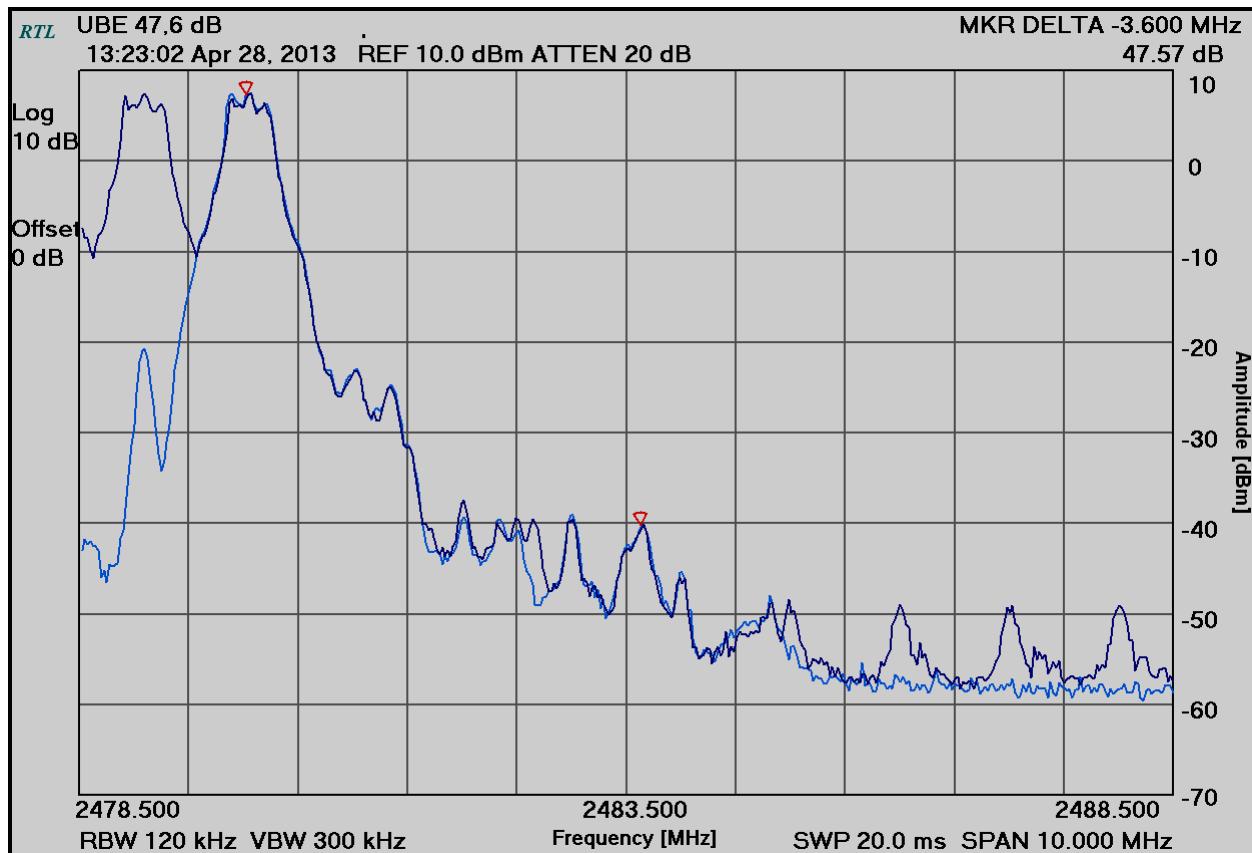


Table 5-1: Band-Edge Compliance of RF Conducted Emissions Test Equipment

RTL Asset #	Manufacturer	Model	Part Type	Serial Number	Calibration Due Date
901215	Hewlett Packard	8596EM	Spectrum Analyzer (9 kHz - 12.8 GHz)	3826A00144	3/15/14

Test Personnel:

Dan Baltzell
 EMC Test Engineer

Daniel W. Baltzell

Signature

April 28, 2013
 Date of Test

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 Model: XG-25M 700/800 MHz Radio
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 Standards: FCC 15.247/IC RSS-210
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5.3 Radiated Band Edge Emissions

Table 5-2: Radiated Band Edge Emissions Test Data

Frequency (MHz)	Peak Spectrum Analyzer Level (1 MHz RBW/ VBW) (dBuV)	Average Spectrum Analyzer Level (1 MHz RBW/ 10 Hz VBW) (dBuV)	Site Correction Factor (dB/m)	Corrected Average Level (dBuV/m)	Delta Measurement From Plots (dB)	Average Limit (dBuV/m)	Margin (dB)
2402.000	101.8	59.1	-9.0	50.1	51.3	54.0	-55.0
2480.000	98.5	60.7	-9.1	51.6	47.6	54.0	-50.0

Table 5-3: Radiated Band Edge Test Equipment

RTL Asset #	Manufacturer	Model	Part Type	Serial Number	Calibration Due Date
901215	Hewlett Packard	8596EM	Spectrum Analyzer (9 kHz - 12.8 GHz)	3826A00144	3/15/14
901593	Insulated Wire Inc.	KPS-1503-360-KPR	SMK RF Cables 36"	NA	8/16/13
900791	Chase	CBL6111B	Bilog Antenna (30 MHz – 2000 MHz)	N/A	2/2/14
900772	EMCO	3161-02	Horn Antenna (2 - 4 GHz)	9804-1044	4/19/14
900886	EMI Shop	WRT000-0003	Turntable OATS	N/A	Not Required

Test Personnel:

Dan Baltzell		April 28, 2013
EMC Test Engineer	Signature	Date of Test

6 20 dB Bandwidth – FCC 15.247(a)(1), RSS-210 A8.1(a)

6.1 20 dB Bandwidth Test Procedure

Procedure: C63.10-2009 6.9

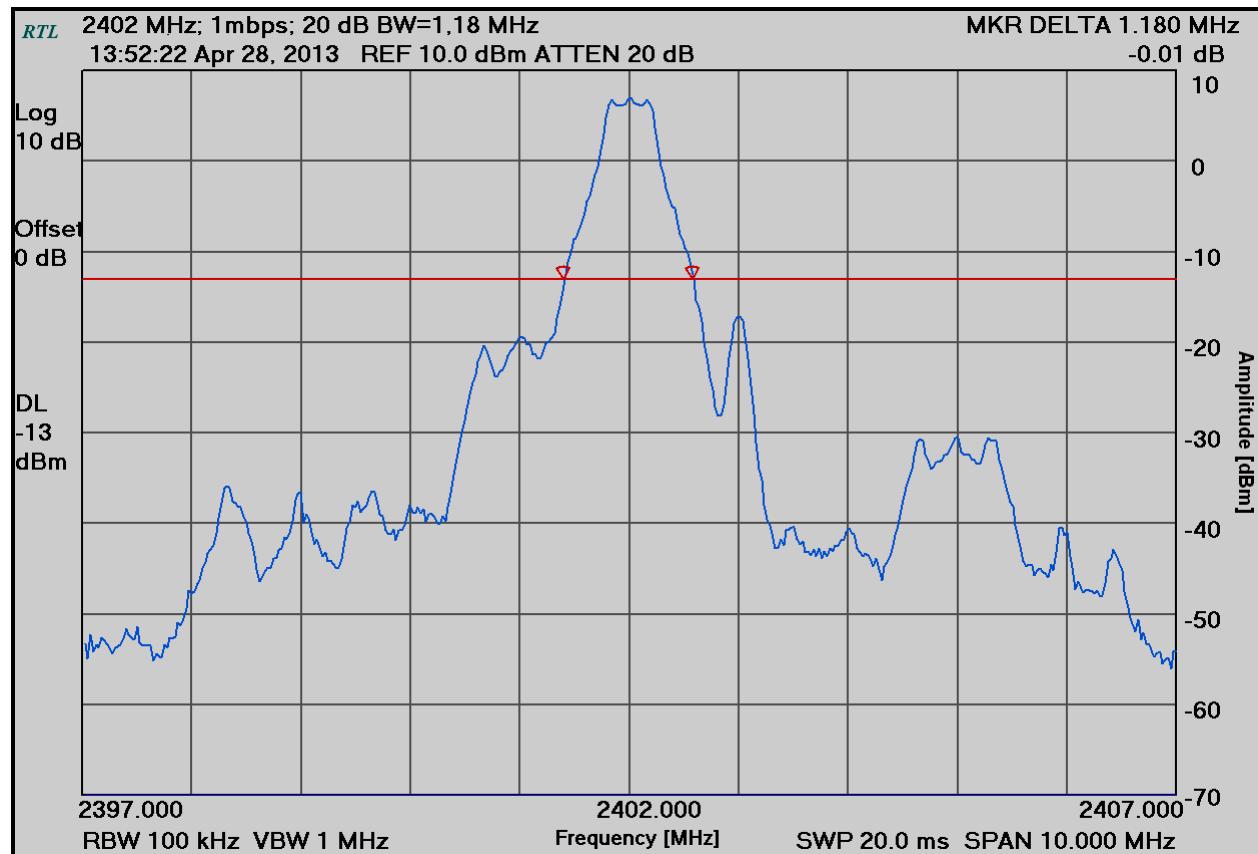
6.2 20 dB Modulated Bandwidth Test Data

Table 6-1: 20 dB Modulated Bandwidth Test Data

Frequency (MHz)	20 dB Bandwidth (MHz) DH5 (SDR)	20 dB Bandwidth (MHz) 2-DH5 (EDR)	20 dB Bandwidth (MHz) 3-DH5 (EDR)
2402	1.18	1.45	1.45
2441	1.18	1.45	1.45
2480	1.15	1.43	1.43

6.3 20 dB Bandwidth Plots

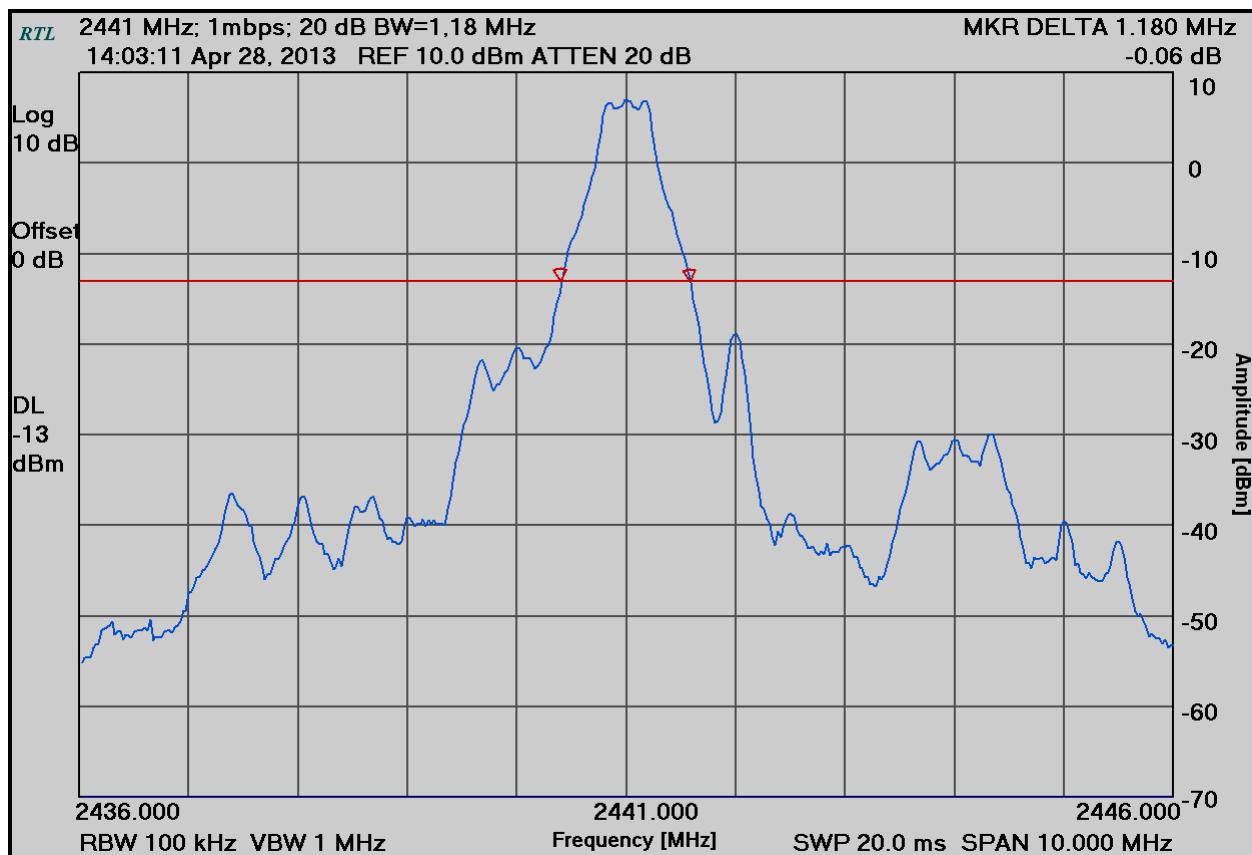
Plot 6-1: 20 dB Bandwidth - 2402 MHz – DH5



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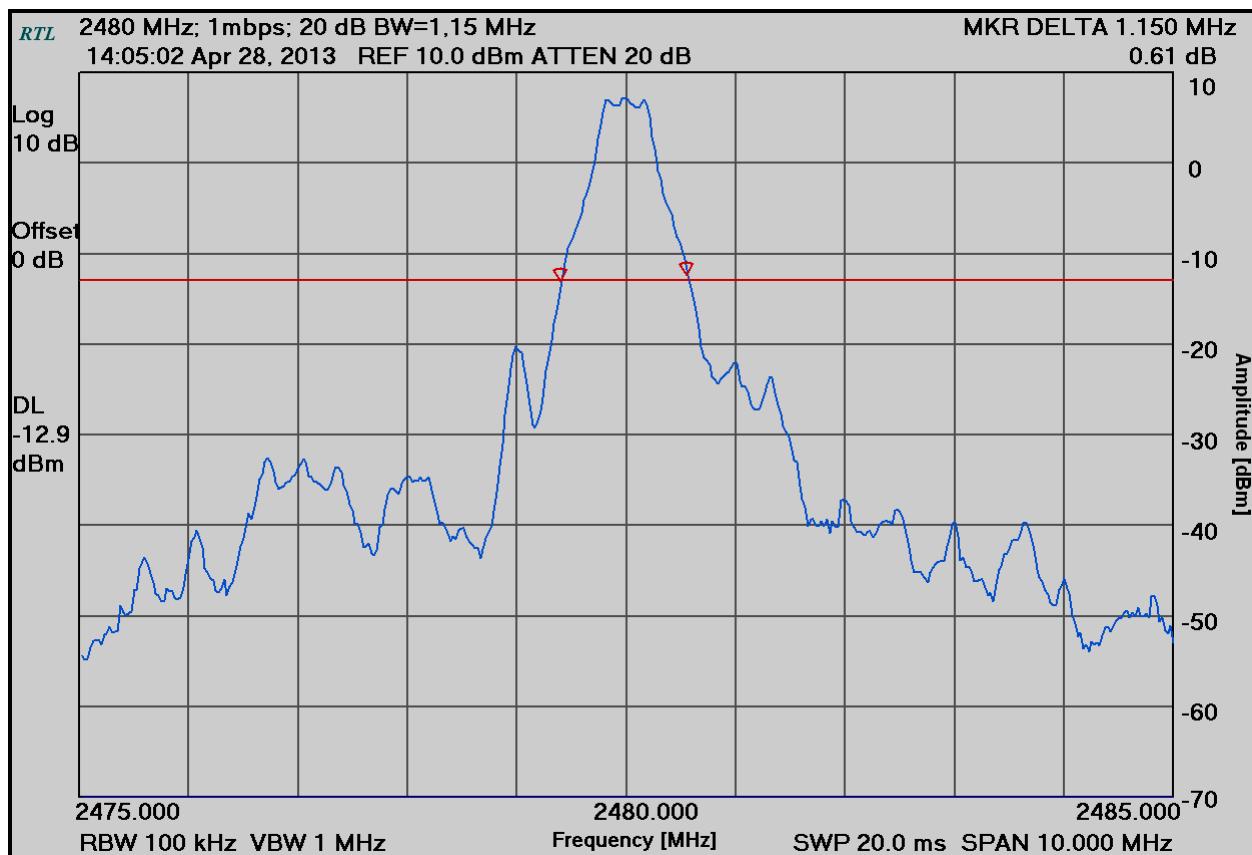
Plot 6-2: 20 dB Bandwidth - 2441 MHz – DH5



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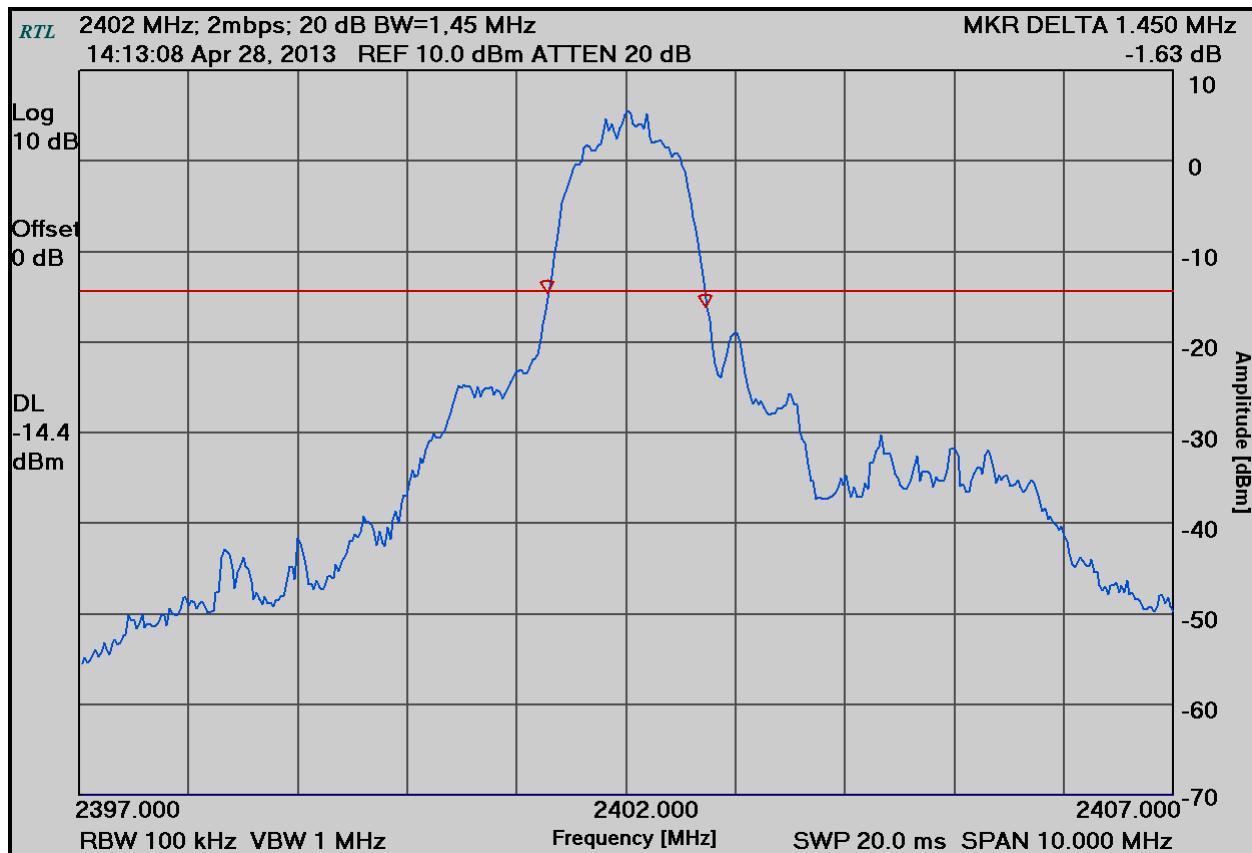
Plot 6-3: 20 dB Bandwidth - 2480 MHz – DH5



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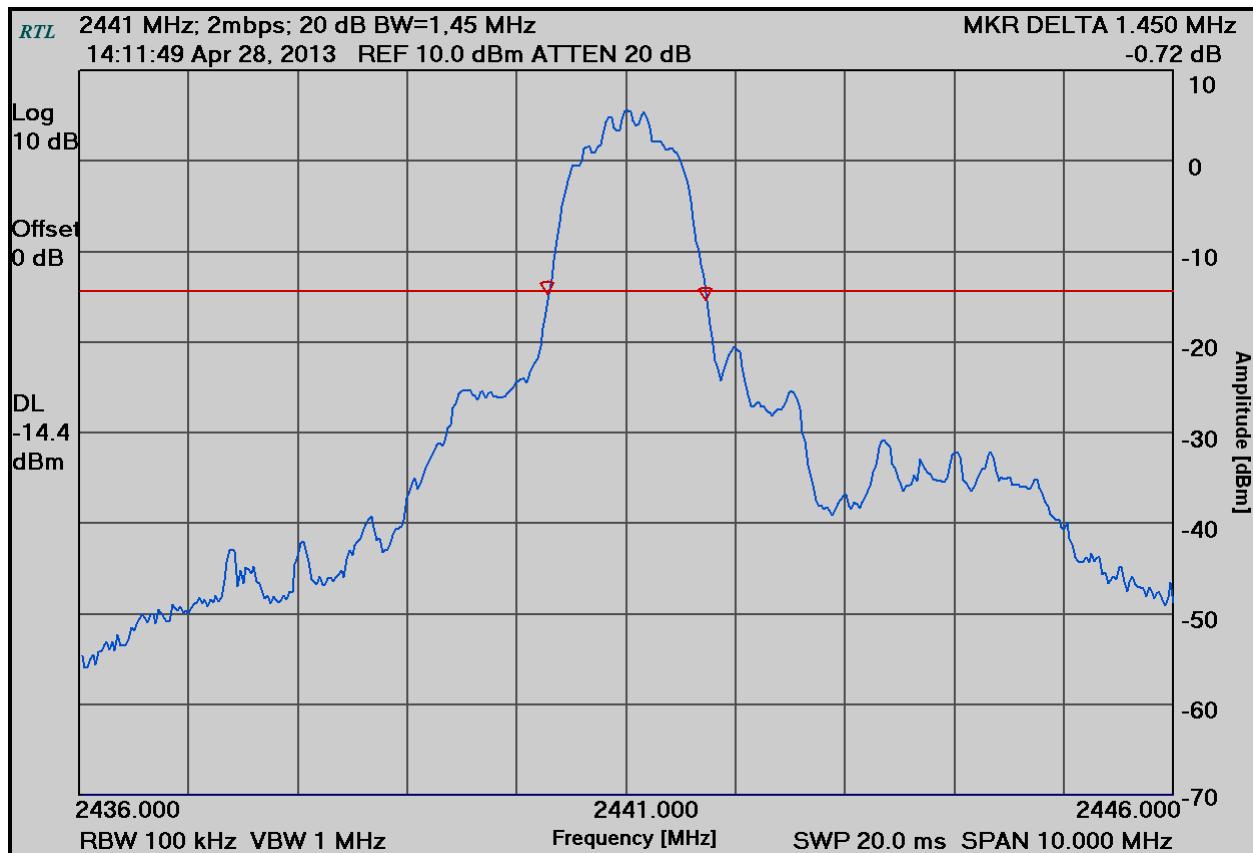
Plot 6-4: 20 dB Bandwidth - 2402 MHz – 2-DH5



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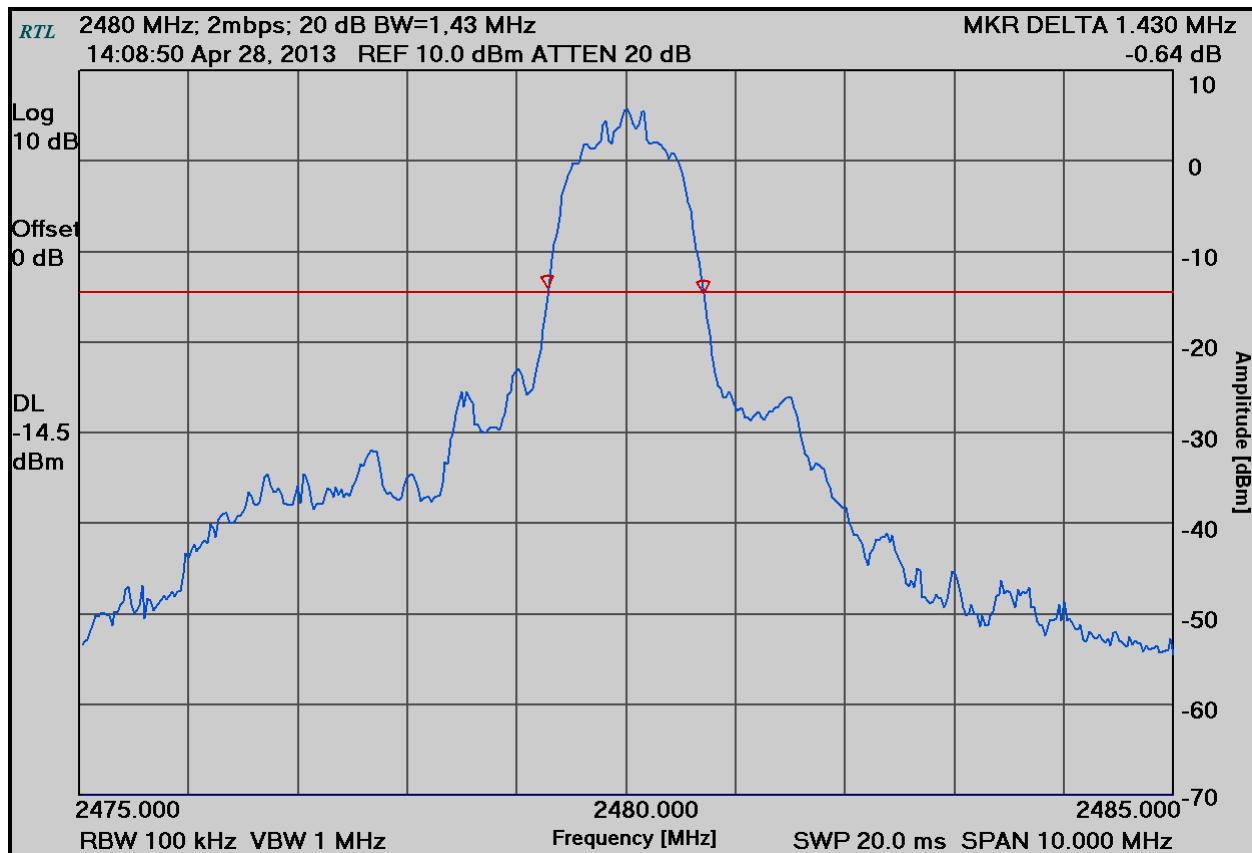
Plot 6-5: 20 dB Bandwidth - 2441 MHz – 2-DH5



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Standards: FCC 15.247/IC RSS-210
Report #: 2012287DSS

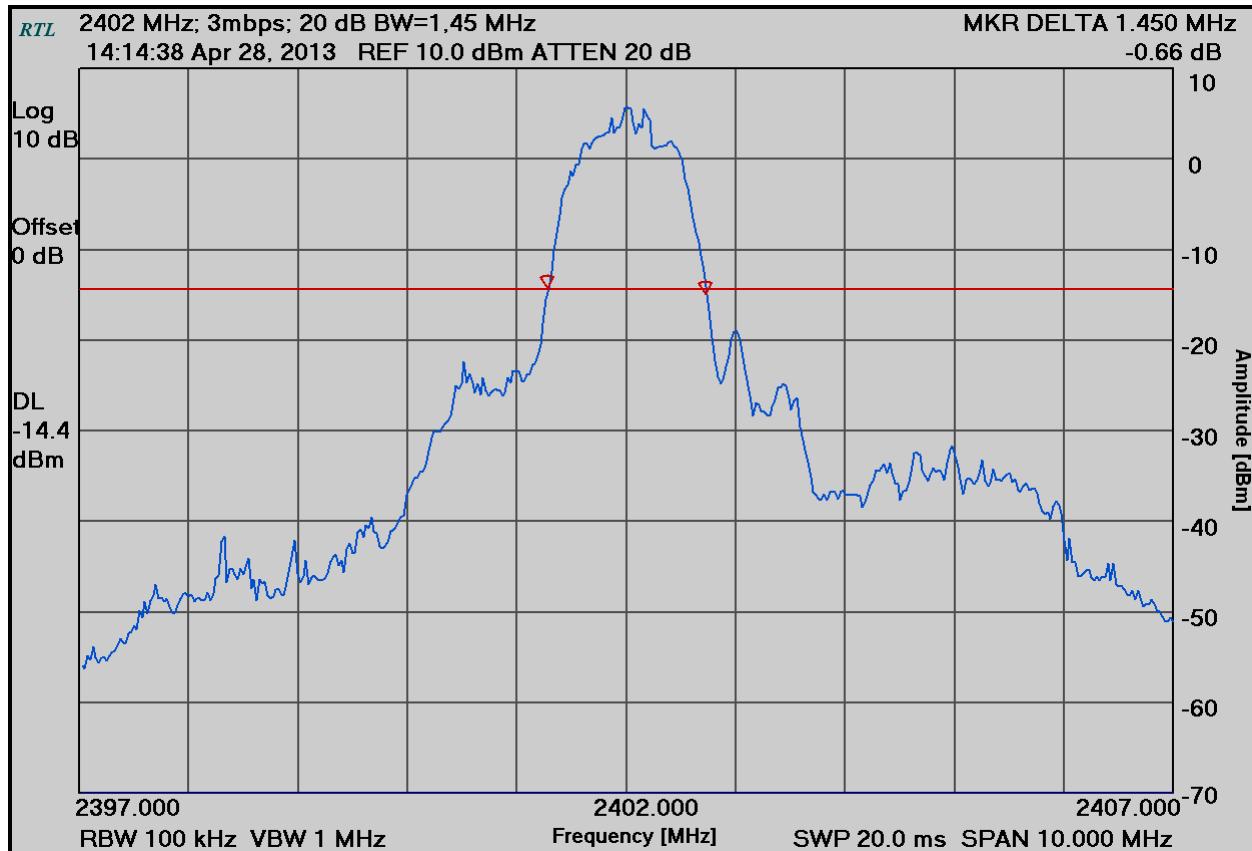
Plot 6-6: 20 dB Bandwidth - 2480 MHz – 2-DH5



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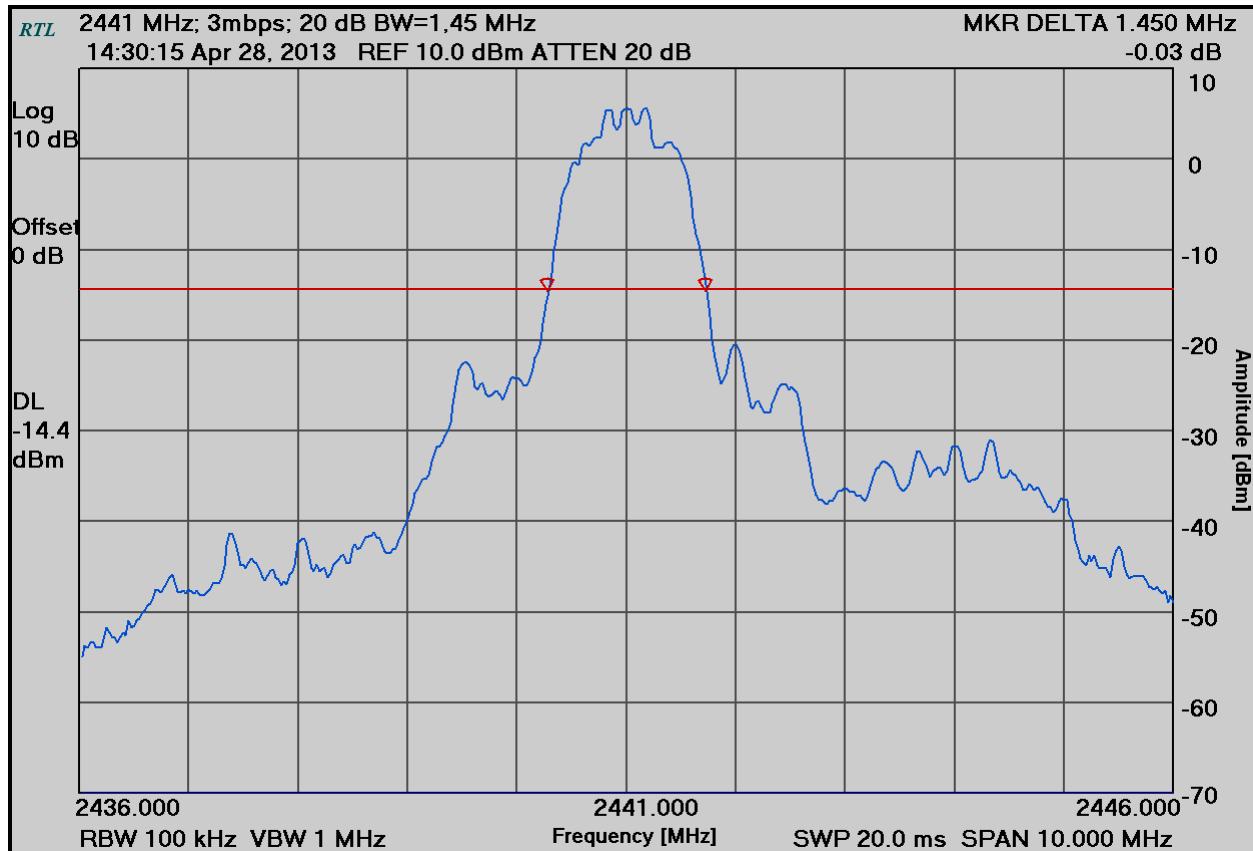
Plot 6-7: 20 dB Bandwidth - 2402 MHz – 3-DH5



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Plot 6-8: 20 dB Bandwidth - 2441 MHz – 3-DH5



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Plot 6-9: 20 dB Bandwidth - 2480 MHz – 3-DH5

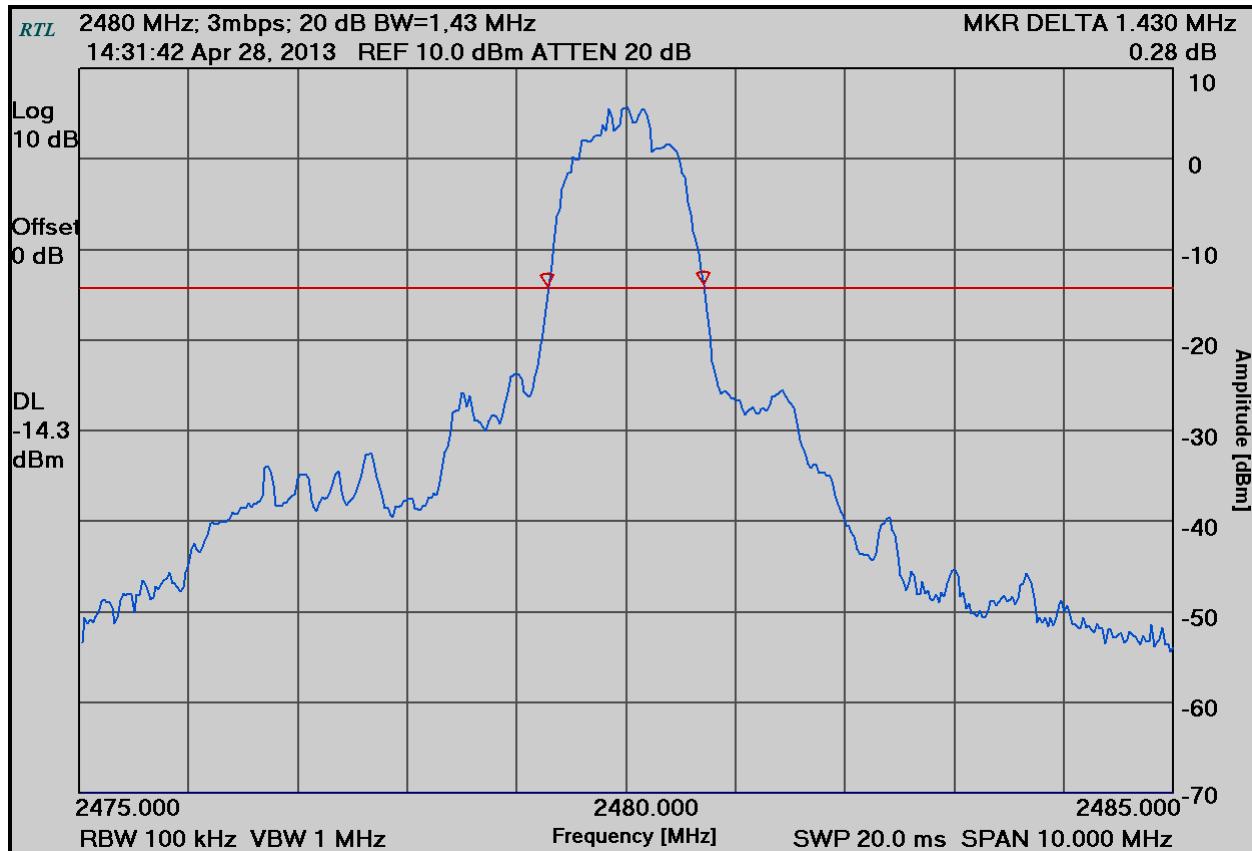


Table 6-2: 20 dB Bandwidth Test Equipment

RTL Asset #	Manufacturer	Model	Part Type	Serial Number	Calibration Due Date
901215	Hewlett Packard	8596EM	Spectrum Analyzer (9 kHz - 12.8 GHz)	3826A00144	3/15/14

Test Personnel:

Dan Baltzell		April 28, 2013
EMC Test Engineer	Signature	Date of Test

7 Carrier Frequency Separation - 15.247(a)(1), RSS-210 A8.1(b)

7.1 Carrier Frequency Separation Test Procedure

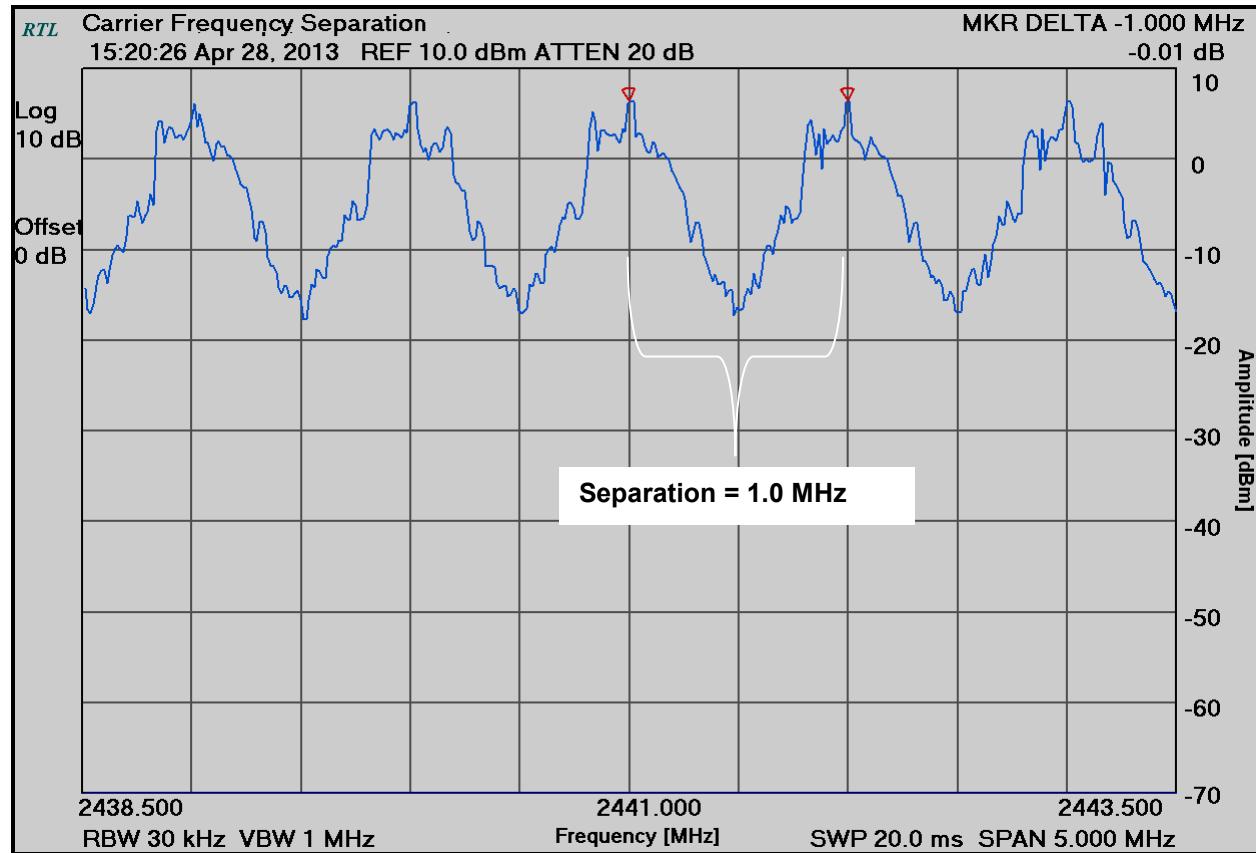
Procedure: C63.10-2009 7.7.2

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Measured frequency separation = 1.0 MHz

7.2 Carrier Frequency Separation Test Data

Plot 7-1: Carrier Frequency Separation



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Table 7-1: Carrier Frequency Separation Test Equipment

RTL Asset #	Manufacturer	Model	Part Type	Serial Number	Calibration Due Date
901215	Hewlett Packard	8596EM	Spectrum Analyzer (9 kHz - 12.8 GHz)	3826A00144	3/15/14

Test Personnel:

Dan Baltzell		April 28, 2013
EMC Test Engineer	Signature	Date of Test

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Standards: FCC 15.247/IC RSS-210
Report #: 2012287DSS

8 Hopping Characteristics – FCC 15.247(a)(1)(iii), RSS-210 A8.1(d)

8.1 Hopping Characteristics Test Procedure

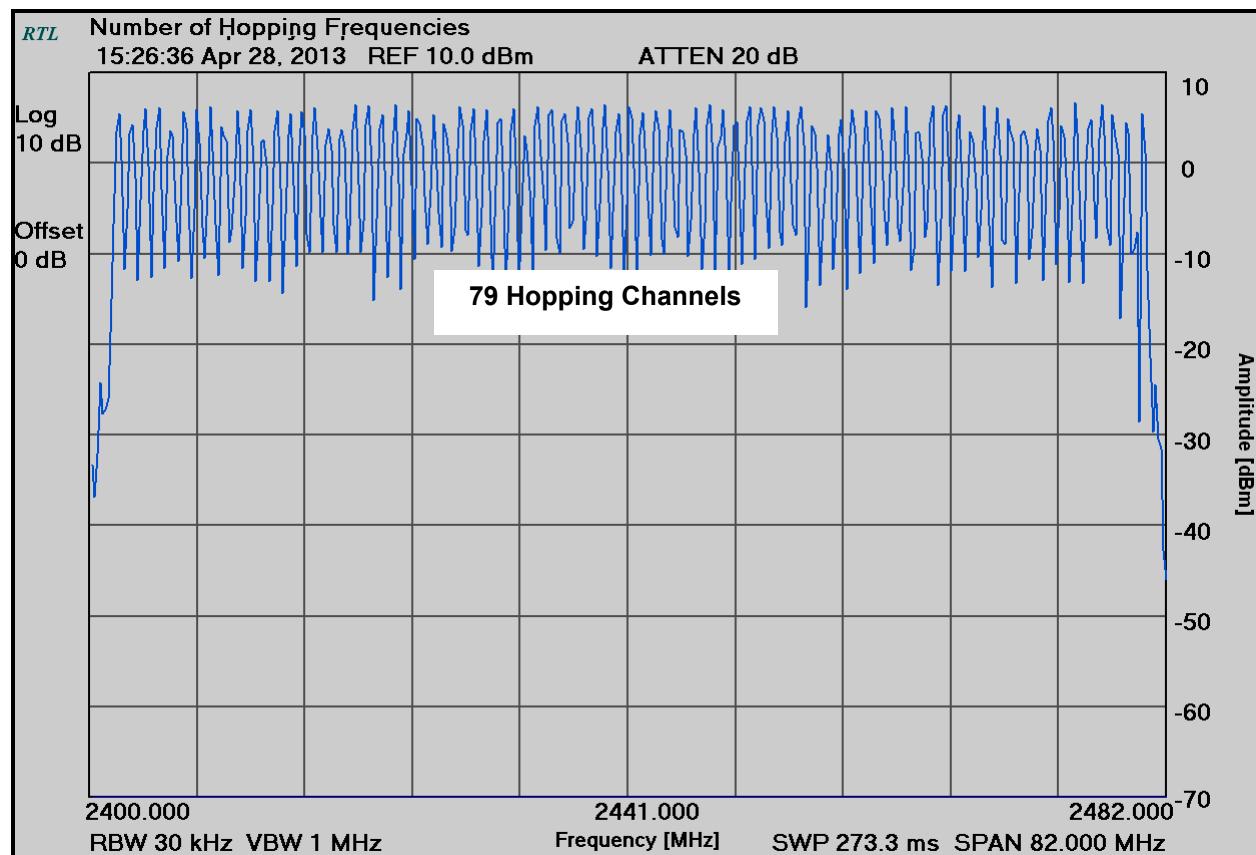
Procedure: C63.10-2009 7.7.3

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

8.2 Number of Hopping Frequencies

Measured number of hopping frequencies = 79

Plot 8-1: Number of Hopping Frequencies (2402 - 2480 MHz)



8.3 Average Time of Occupancy

Procedure: C63.10-2009 7.7.4

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

Allowed period = 0.4 s X 79 channels = 31.6 s

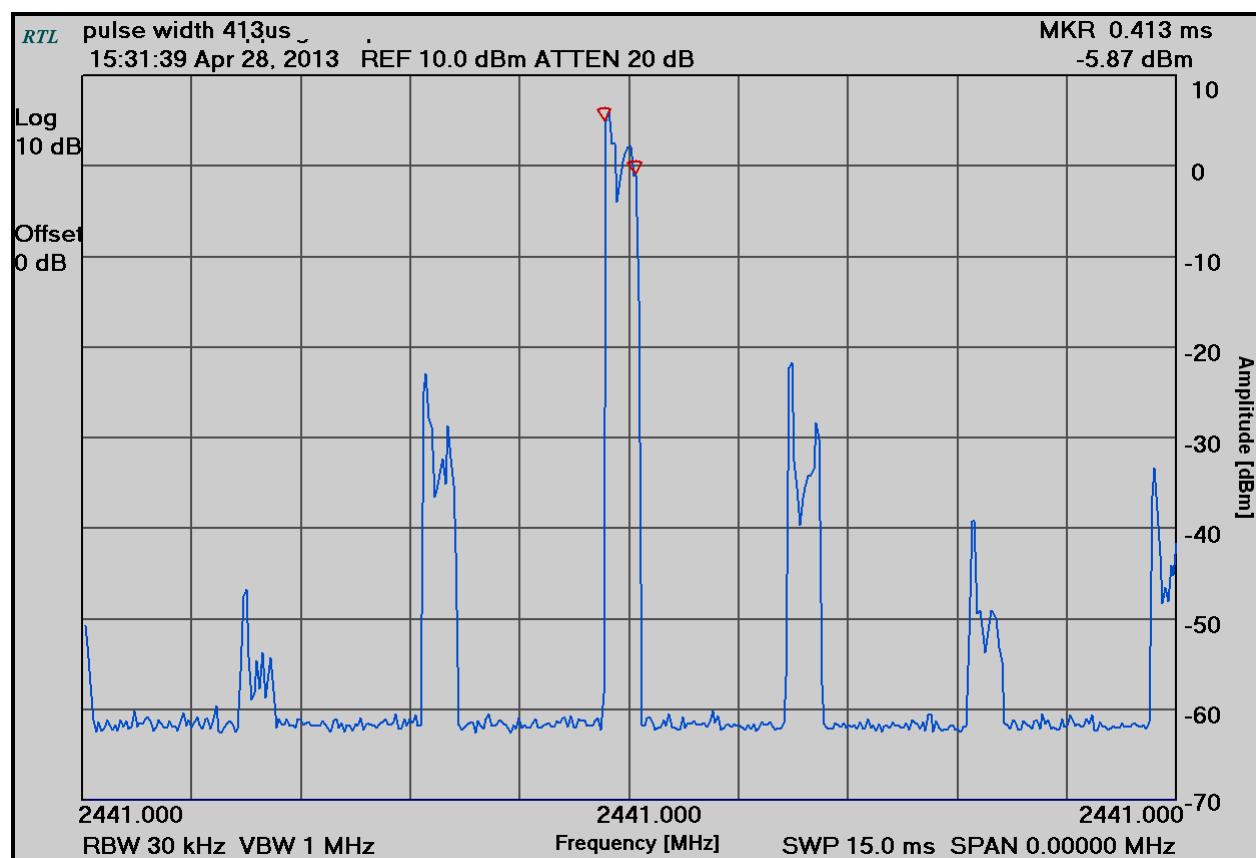
Pulse width = 413 us

Number of pulses could not be resolved with a 31.6 s sweep, so a 5 s sweep was used.

Number of pulses in 5 s sweep = 50 pulses. Therefore, number of pulses in a 31.6 s sweep = 6.32×50 = 316 pulses

Average time of occupancy in 31.6 s = $413 \text{ us} \times 316 \text{ pulses} = 132 \text{ ms}$, which meets the limit of 0.4 s

Plot 8-2: Time of Occupancy (Dwell Time)



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 Standards: FCC 15.247/IC RSS-210
 Report #: 2012287DSS

Plot 8-3: Number of Pulses in 5 Second Sweep

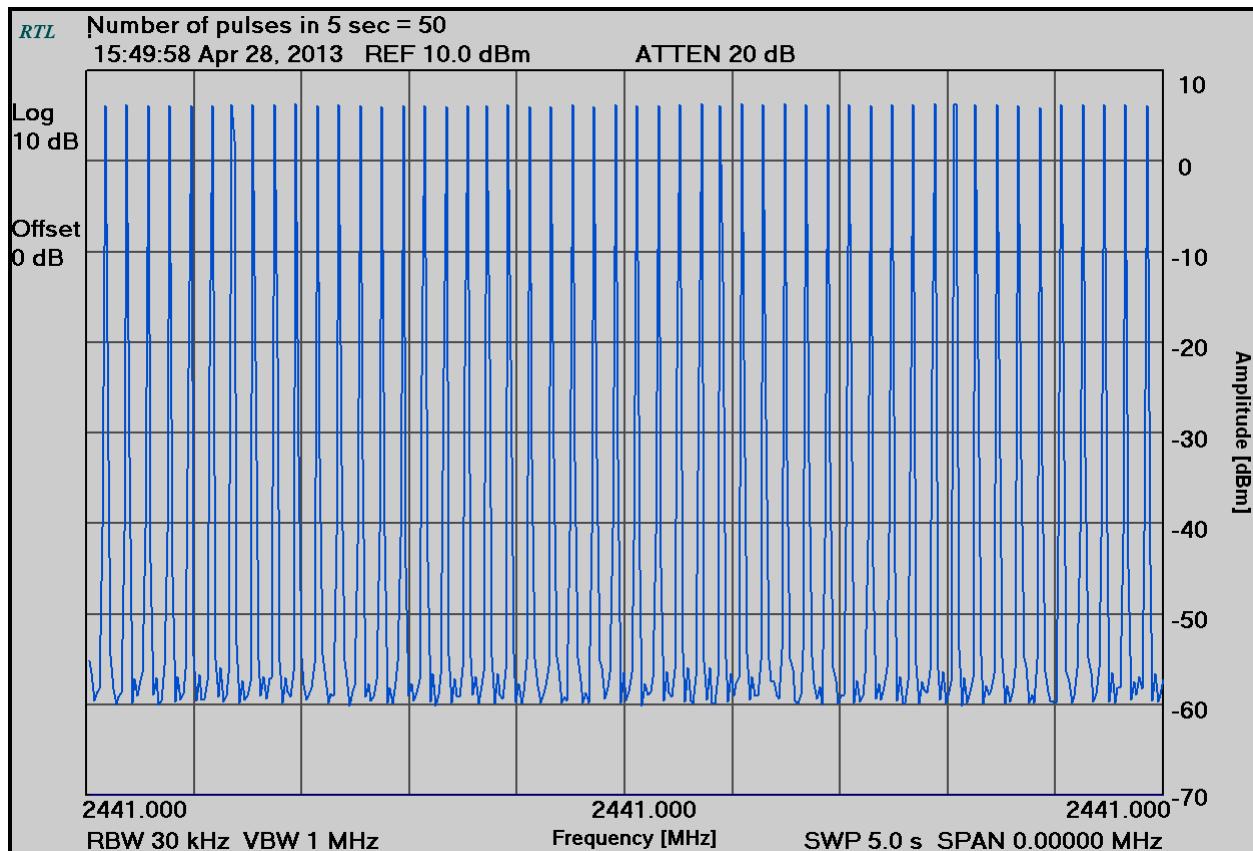


Table 8-1: Hopping Characteristics Test Equipment

RTL Asset #	Manufacturer	Model	Part Type	Serial Number	Calibration Due Date
901215	Hewlett Packard	8596EM	Spectrum Analyzer (9 kHz - 12.8 GHz)	3826A00144	3/15/14

Test Personnel:

Dan Baltzell		April 28, 2013
EMC Test Engineer	Signature	Date of Test

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Report #: 2012287DSS

9 AC Conducted Emissions - FCC Rules and Regulations 15.207

Procedure: C63.10-2009 6.2

9.1 Site and Test Description

The power line conducted emissions measurements were performed in a Series 81 type shielded enclosure manufactured by Rayproof. The EUT was assembled on a wooden table 80 centimeters high. Power was fed to the EUT through a 50-ohm/50 microhenry Line Impedance Stabilization Network (LISN). The EUT LISN was fed power through an A.C. filter box on the outside of the shielded enclosure. The filter box and EUT LISN housing are bonded to the ground plane of the shielded enclosure. A second LISN, the peripheral LISN, provides isolation for the EUT test peripherals. This peripheral LISN was also fed A.C. power. A metal power outlet box, which is bonded to the ground plane and electrically connected to the peripheral LISN, powers the EUT host peripherals.

The spectrum analyzer was connected to the AC line through an isolation transformer. The 50-ohm output of the EUT LISN was connected to the spectrum analyzer input through a Solar 100 kHz high-pass filter. The filter is used to prevent overload of the spectrum analyzer from noise below 100 kHz. Conducted emission levels were measured on each current-carrying line with the spectrum analyzer operating in the CISPR quasi-peak mode (or peak mode if applicable).

The analyzer's 6 dB bandwidth was set to 9 kHz. Video filter less than 10 times the resolution bandwidth is not used. Average measurements are performed in linear mode using a 10 kHz resolution bandwidth, a 1 Hz video bandwidth, and by increasing the sweep time in order to obtain a calibrated measurement. The emission spectrum was scanned from 150 kHz to 30 MHz. The highest emission amplitudes relative to the appropriate limits were measured and have been recorded.

9.2 Test Limits

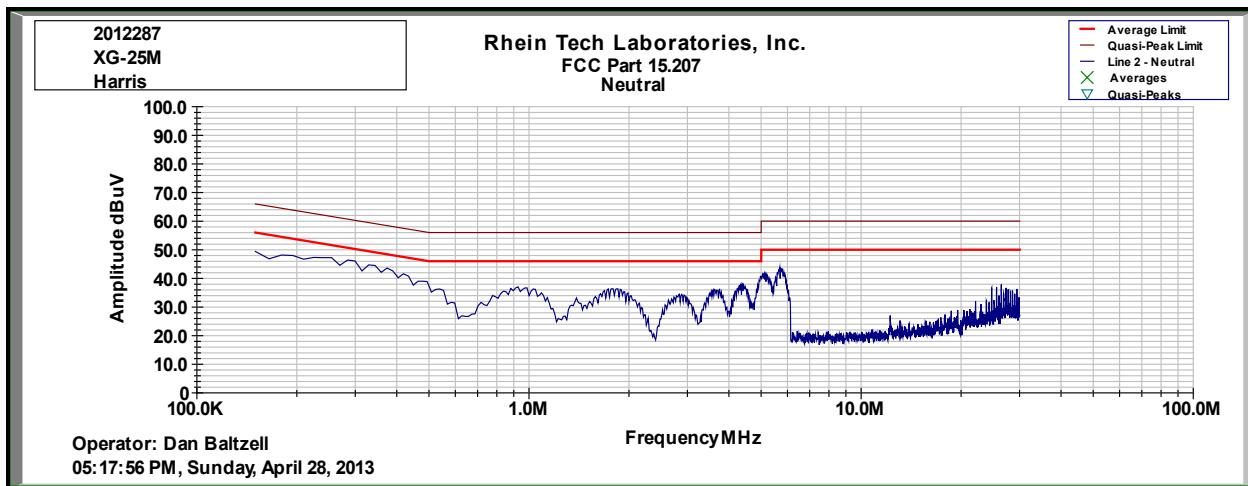
Line-Conducted Emissions		
Limit (dB μ V)		
Frequency (MHz)	Quasi-Peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5.00	56	46
5.00 to 30.00	60	50

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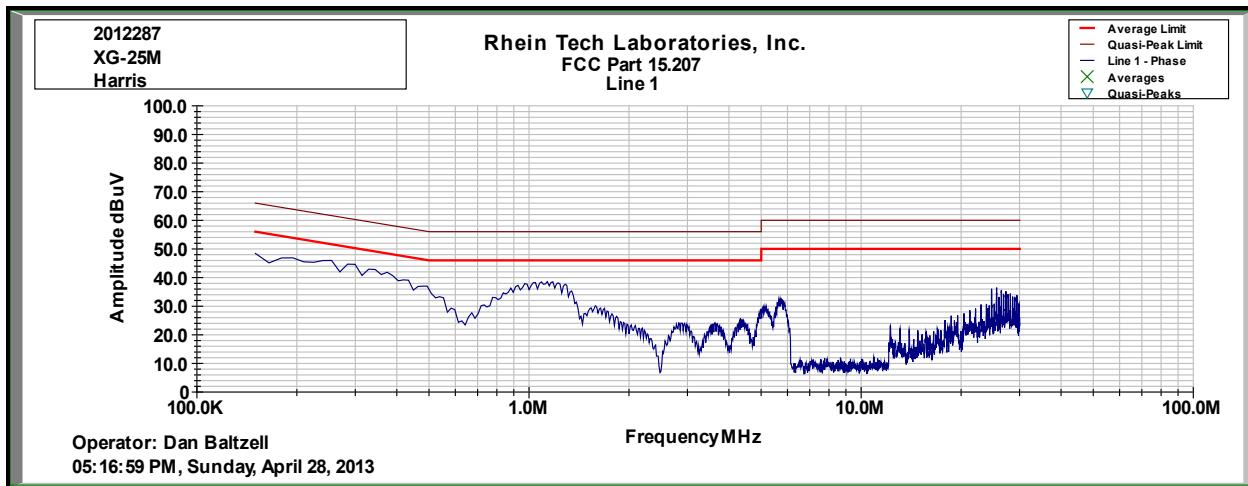
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Model: XG-25M 700/800 MHz Radio
IDs: OWDTR-0076-E/3636B-0076
Standards: FCC 15.247/IC RSS-210
Report #: 2012287DSS

9.3 Conducted Emissions Test Data

Plot 9-1: Conducted Emissions Test Data - Neutral Side



Plot 9-2: Conducted Emissions Test Data – Hot Side



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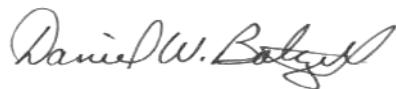
Client: Harris Corporation
Model: XG-25M 700/800 MHz Radio
IDs: OWDTR-0076-E/3636B-0076
Standards: FCC 15.247/IC RSS-210
Report #: 2012287DSS

Table 9-1: Conducted Emissions Test Equipment

RTL Asset #	Manufacturer	Model	Part Type	Serial Number	Calibration Due Date
901082	AFJ International	LS16	16A LISN	16010020081	3/26/14
900968	Hewlett Packard	8567A	Spectrum Analyzer (10 kHz - 1.5 GHz)	2602A00160	2/7/14
900339	Hewlett Packard	85650A	Quasi-Peak Adapter (30 Hz - 1 GHz)	2521A00743	2/7/14
900970	Hewlett Packard	85662A	Spectrum Analyzer Display	2542A11239	2/7/14

Test Personnel:

Daniel W. Baltzell
Test Engineer



Signature

April 28, 2013
Date of Test

10 Radiated Emissions Test Results - FCC Rules and Regulations Part 15.247(d)

10.1 Limits of Radiated Emissions Measurement

Frequency (MHz)	Field Strength (uV/m)	Measurement Distance (m)
0.009-0.490	2400/f (kHz)	300
0.490-1.705	2400/f (kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any circumstances of modulation.

10.2 Radiated Emissions Measurement Test Procedure

Before final measurements of radiated emissions were made on the open-field three/ten meter range, the EUT was scanned indoors at one and three meter distances. This was done in order to determine its emissions spectrum signature. The physical arrangement of the test system and associated cabling was varied in order to determine the effect on the EUT's emissions in amplitude, direction and frequency. This process was repeated during final radiated emissions measurements on the open-field range, at each frequency, in order to ensure that maximum emission amplitudes were attained.

Final radiated emissions measurements were made on the three/ten-meter, open-field test site. The EUT was placed on a nonconductive turntable 0.8 meters above the ground plane. The spectrum was examined from 9 kHz to the 10th harmonic of the highest fundamental transmitter frequency (24.8 GHz).

At each frequency, the EUT was rotated 360°, and the antenna was raised and lowered from 1 to 4 meters in order to determine the emission's maximum level. Measurements were taken using both horizontal and vertical antenna polarizations. For frequencies between 30 and 1000 MHz, the spectrum analyzer's 6 dB bandwidth was set to 120 kHz, and the analyzer was operated in the CISPR quasi-peak detection mode. For emissions above 1000 MHz, emissions are measured using the average detector function with a minimum resolution bandwidth of 1 MHz. No video filter less than 10 times the resolution bandwidth was used. The highest emission amplitudes relative to the appropriate limit were measured and recorded in this report.

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 Report #: 2012287DSS

Table 10-1: Radiated Emissions Test Equipment

RTL Asset #	Manufacturer	Model	Part Type	Serial Number	Calibration Due Date
901215	Hewlett Packard	8596EM	Spectrum Analyzer (9 kHz - 12.8 GHz)	3826A00144	3/15/14
901592	Insulated Wire Inc.	KPS-1503-3600-KPR	SMK RF Cables 20'	NA	8/16/13
901593	Insulated Wire Inc.	KPS-1503-360-KPR	SMK RF Cables 36"	NA	8/16/13
900791	Chase	CBL6111B	Bilog Antenna (30 MHz – 2000 MHz)	N/A	2/2/14
900932	Hewlett Packard	8449B OPT H02	Preamplifier (1 - 26.5 GHz)	3008A00505	8/10/13
900931	Hewlett Packard	8566B	Spectrum Analyzer (100 Hz - 22 GHz)	3138A07771	2/6/14
900772	EMCO	3161-02	Horn Antenna (2 - 4 GHz)	9804-1044	4/19/14
900321	EMCO	3161-03	Horn Antennas (4 – 8 GHz)	9508-1020	4/19/14
900323	EMCO	3160-07	Horn Antennas (8.2 – 12 GHz)	9605-1054	4/19/14
900356	EMCO	3160-08	Horn Antennas (12.4 – 18 GHz)	9607-1044	4/19/14
900325	EMCO	3160-9	Horn Antennas (18 - 26.5 GHz)	9605-1051	4/19/14
900886	EMI Shop	WRT000-0003	Turntable OATS	N/A	Not Required
900890	StoneBridge	Fiberglass Dome	OATS1 Tent	N/A	Not Required

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10.2.1 Radiated Emissions Harmonics/Spurious Test Data

Table 10-2: Radiated Emissions Harmonics/Spurious - 2402 MHz

Emission Frequency (MHz)	Peak Analyzer Reading (dBuV) (1 MHz RBW/ VBW)	Average Analyzer Reading (dBuV)	Site Correction Factor (dB/m)	Average Emission Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)
4804.0	50.3	32.9	-1.1	31.8	54.0	-22.2
12010.0	37.3	34.2	9.8	44.0	54.0	-10.0
19216.0	36.8	23.8	20.6	44.4	54.0	-9.6

Table 10-3: Radiated Emissions Harmonics/Spurious - 2441 MHz

Emission Frequency (MHz)	Peak Analyzer Reading (dBuV) (1 MHz RBW/ VBW)	Average Analyzer Reading (dBuV)	Site Correction Factor (dB/m)	Average Emission Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)
4882.0	50.8	33.0	-1.0	32.0	54.0	-22.0
7323.0	44.4	30.3	0.9	31.2	54.0	-22.8
12205.0	33.9	20.0	11.2	31.2	54.0	-22.8
19528.0	36.3	23.5	20.2	43.7	54.0	-10.3

Table 10-4: Radiated Emissions Harmonics/Spurious - 2480 MHz

Emission Frequency (MHz)	Peak Analyzer Reading (dBuV) (1 MHz RBW/ VBW)	Average Analyzer Reading (dBuV)	Site Correction Factor (dB/m)	Average Emission Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)
4960.0	50.0	33.9	-1.0	32.9	54.0	-21.1
7440.0	47.5	34.3	1.1	35.4	54.0	-18.6
12400.0	45.6	29.0	12.6	41.6	54.0	-12.4
19840.0	37.2	26.5	20.6	47.1	54.0	-6.9
22320.0	36.4	23.2	21.8	45.0	54.0	-9.0

Test Personnel:

Daniel W. Baltzell
 Test Engineer



Signature

April 28, 2013

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11 Conclusion

The data in this measurement report shows that the **Harris Corporation Model XG-25M 700/800 MHz Radio, FCC ID: OWDTR-0076-E, IC: 3636B-0076**, complies with all the applicable requirements of FCC Part 15 and Part 2, and IC RSS-210.