



166 South Carter, Genoa City, WI 53128

Company: Whirlpool Corporation
Model Tested: XPWG3
Report Number: 20850
DLS Project: 7037

Code of Federal Regulations 47 Part 15 – Radio Frequency Devices

Subpart C – Intentional Radiators

Section 15.247

Operation within the bands 902 - 928 MHz,
2400 - 2483.5 MHz, 5725 - 5875 MHz,
and 24.0 - 24.25 GHz.

Part 2 - Pages 148 to 294 starting on the next page

THE FOLLOWING **MEETS** THE ABOVE TEST SPECIFICATION

Formal Name: Wifi Gen3
Kind of Equipment: 802.11b/g/n Wi-Fi appliance module
Frequency Range: 2412-2462 MHz
Test Configuration: DC powered transceiver module
Model Number(s): XPWG3
Model(s) Tested: XPWG3
Serial Number(s): RF Conducted SN: GW95013003GG
Radiated SN: GW95013003IC
Date of Tests: February 27th through March 19th, 2015
Test Conducted For: Whirlpool Corporation
750 Monte Rd
Benton Harbor, MI 49022, USA

NOTICE: “This test report relates only to the items tested and must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government”. Please see the "Description of Test Sample" page listed inside of this report.

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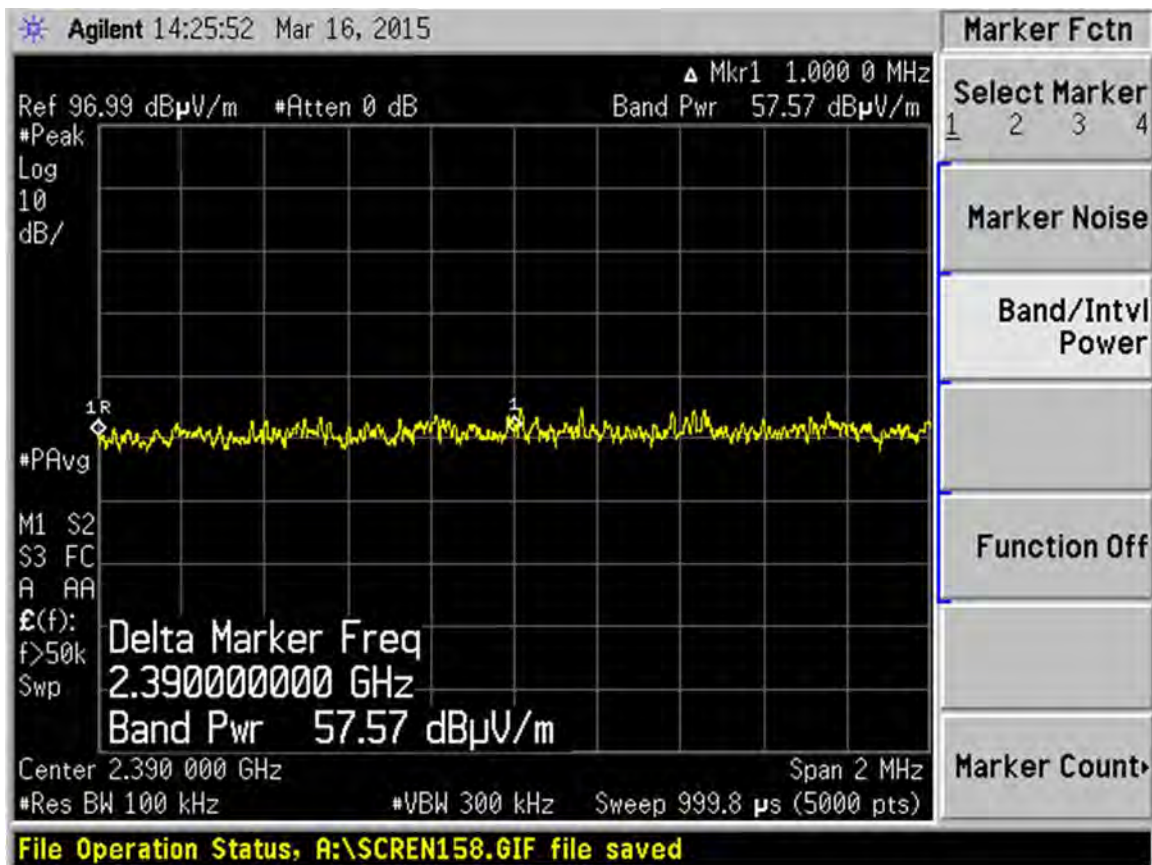
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Test Date: 03-16-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2432 MHz, channel 5
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 18

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



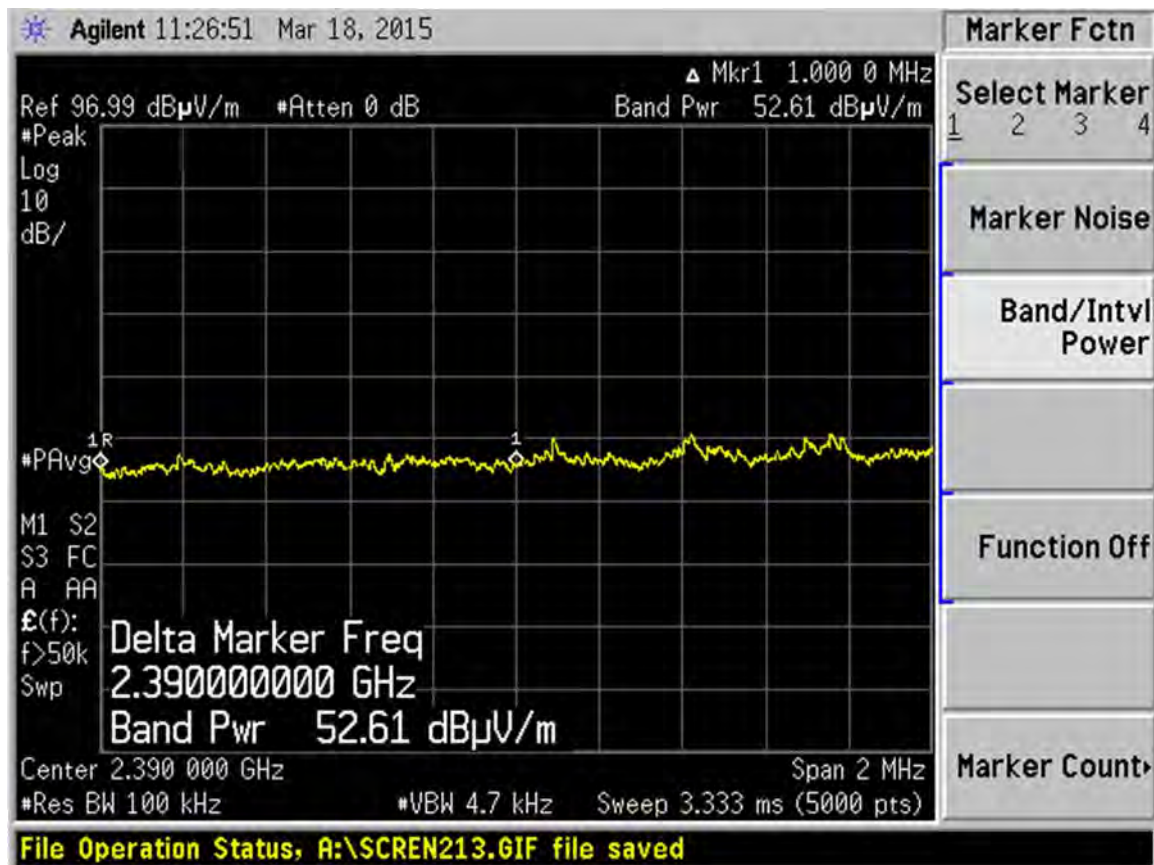
Test Date: 03-18-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2412 MHz, channel 1
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 10

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ S, VBW = 4.7 kHz

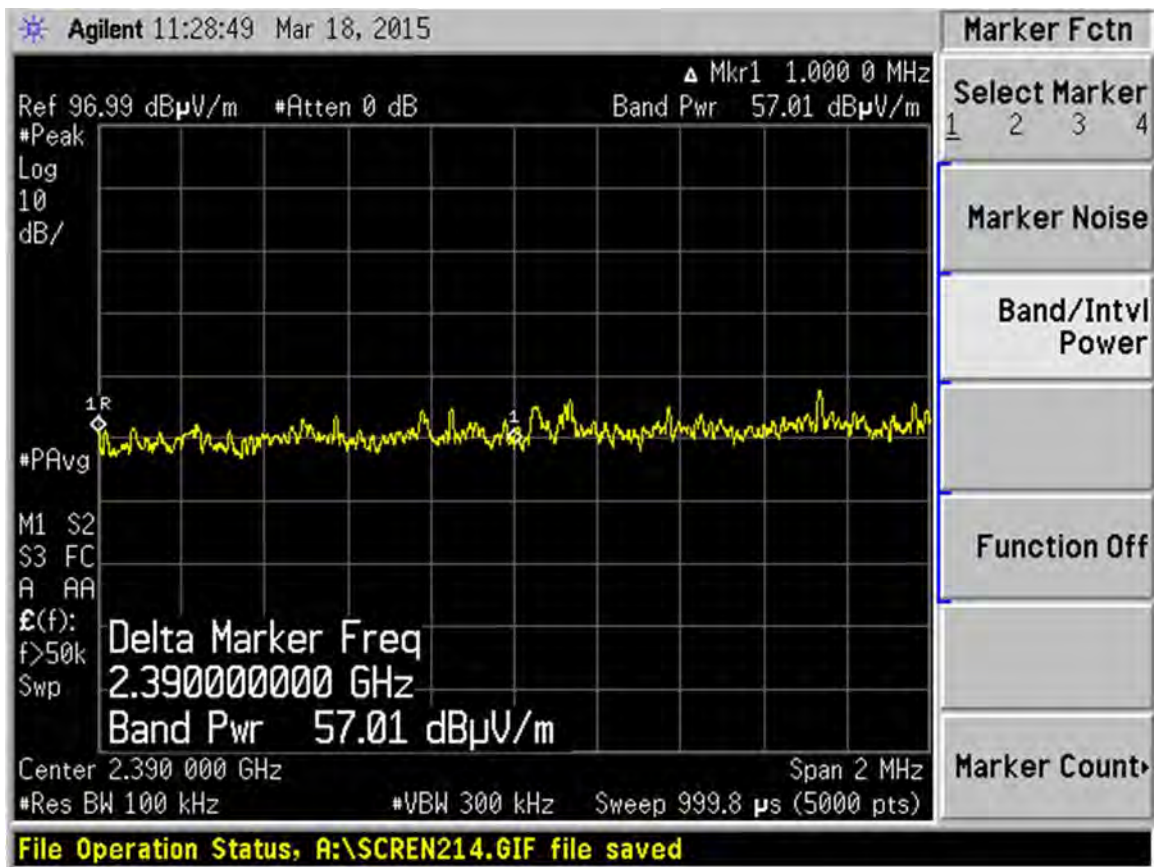


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Power setting: 10

HORIZONTAL:

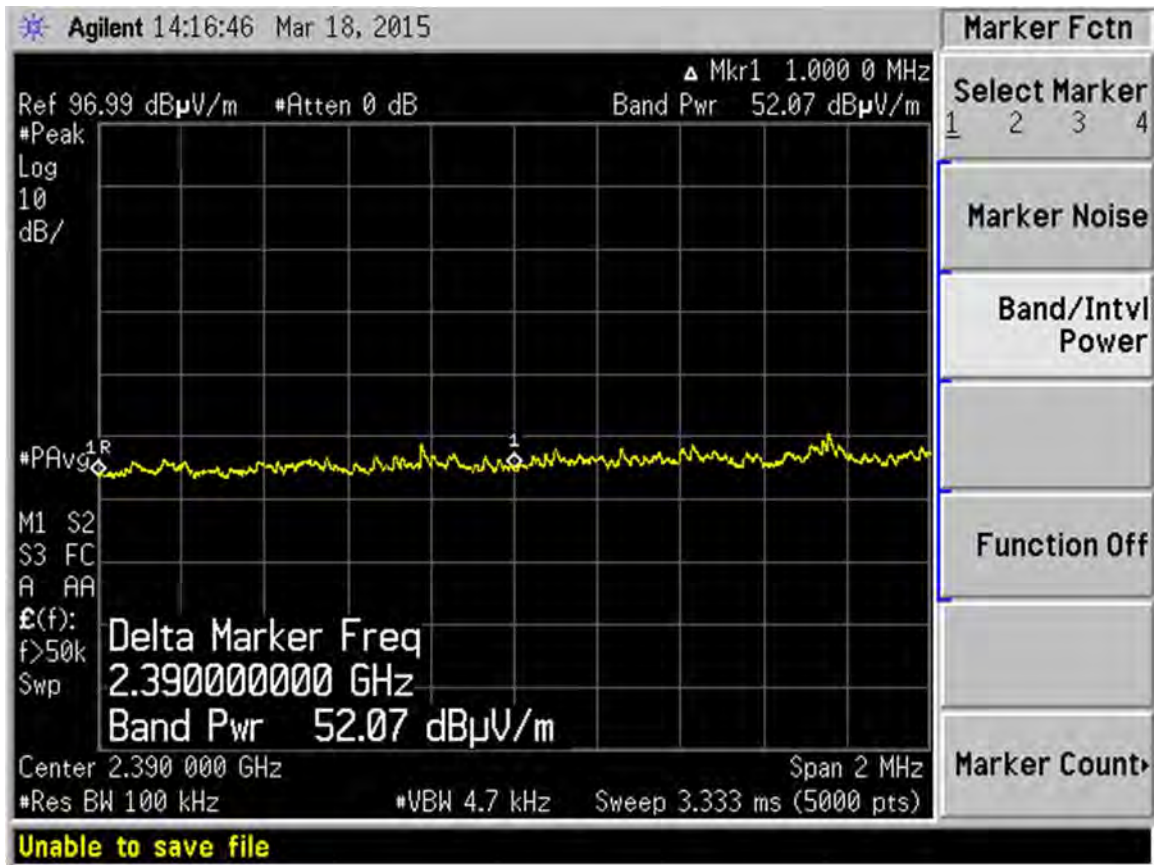
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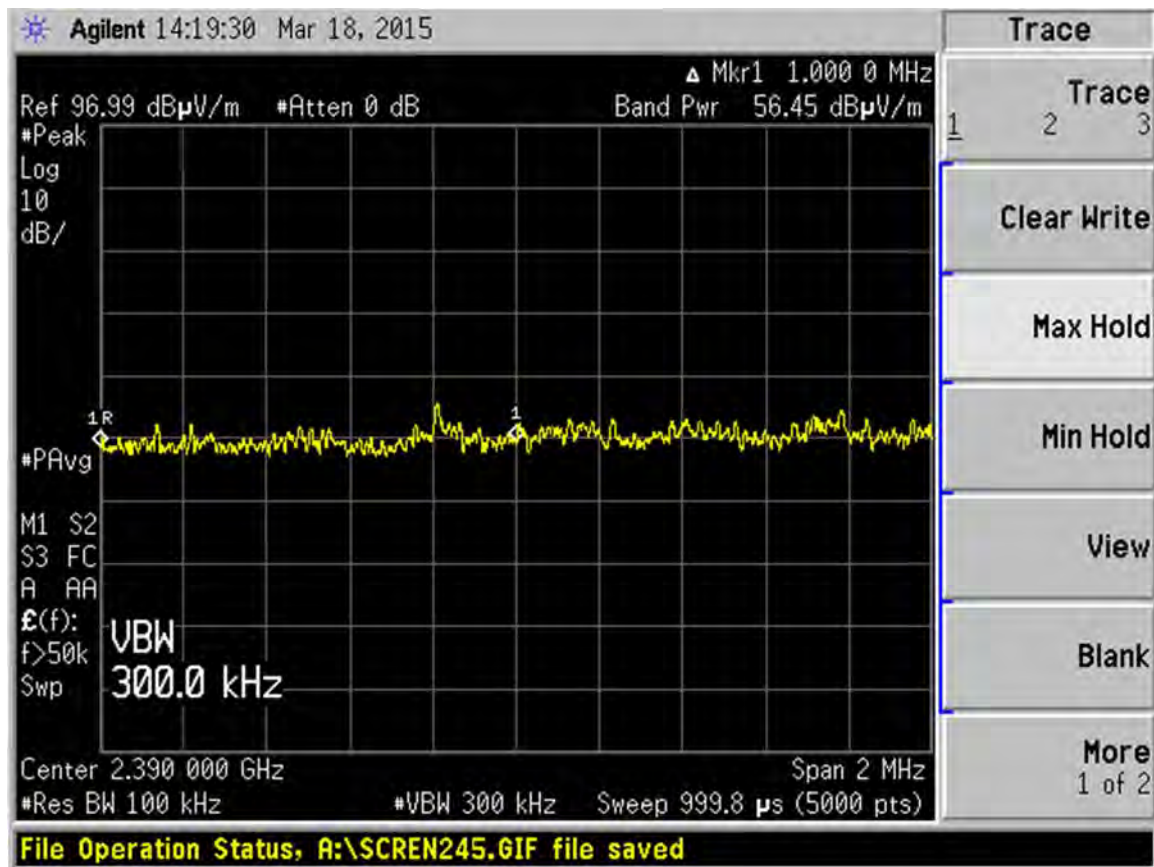


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Power setting: 10

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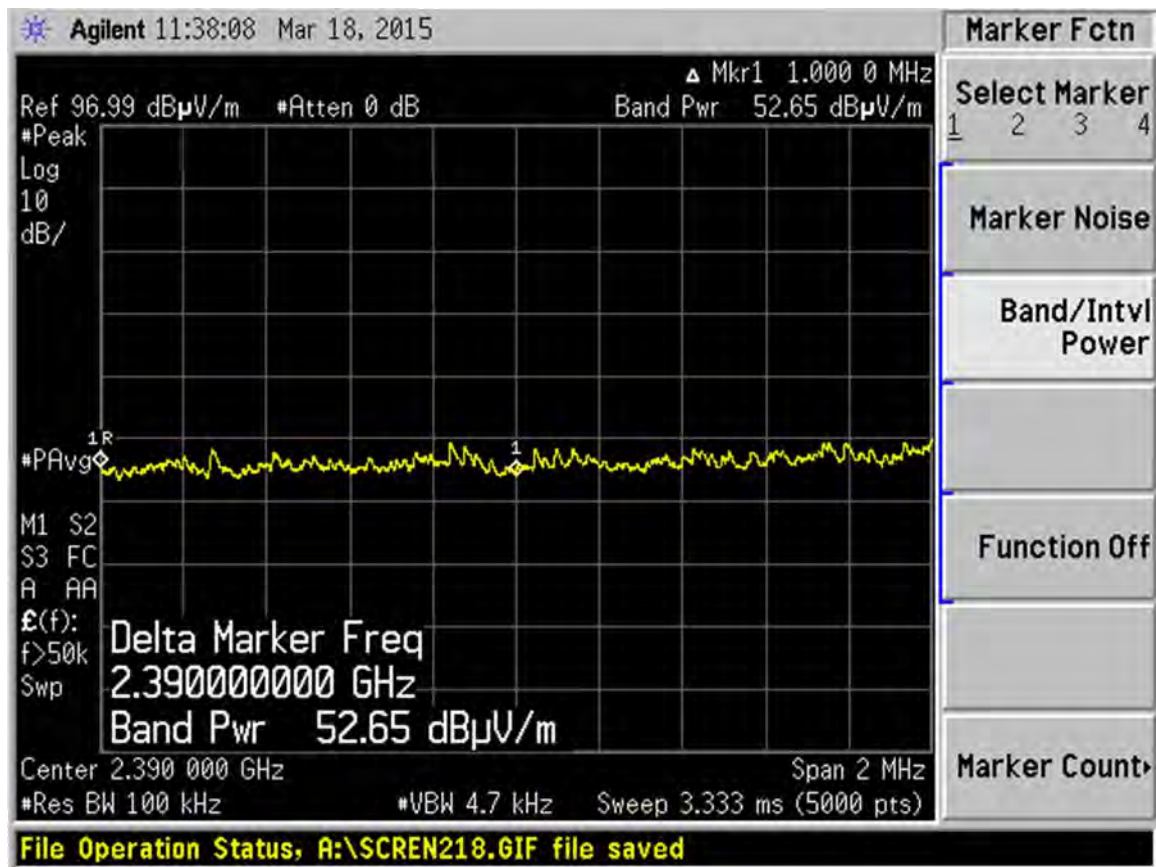
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Rule part: FCC Part 15.247(d) and FCC Part 15.205
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Antenna: 1
Channel: 2417 MHz, channel 2
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 14

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ S, VBW = 4.7 kHz

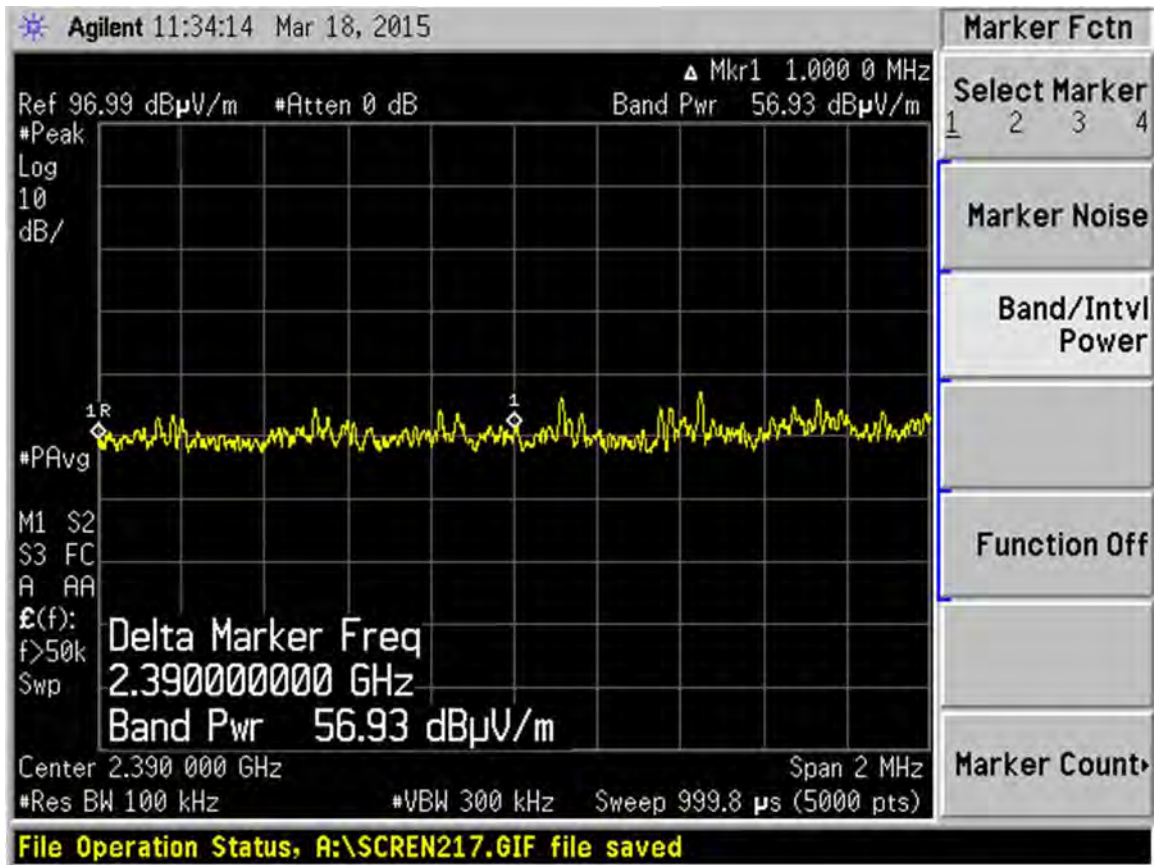


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HORIZONTAL:

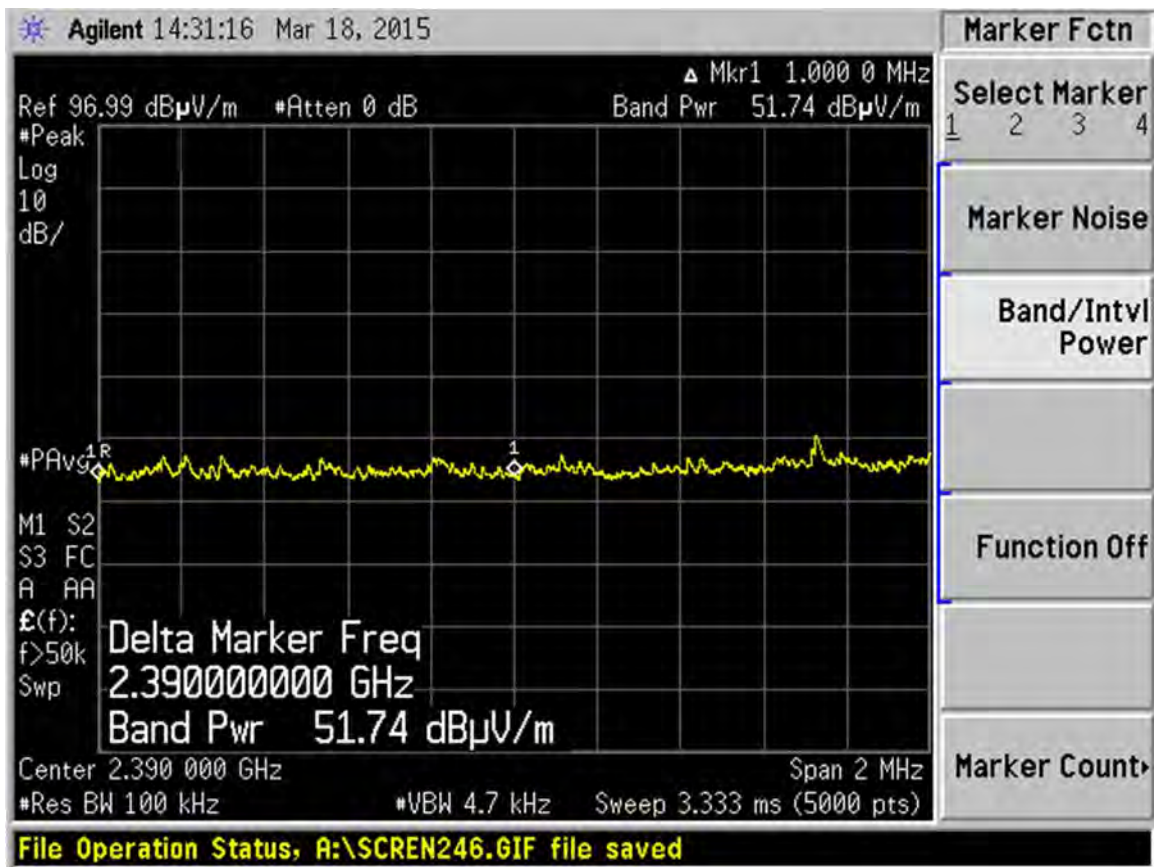
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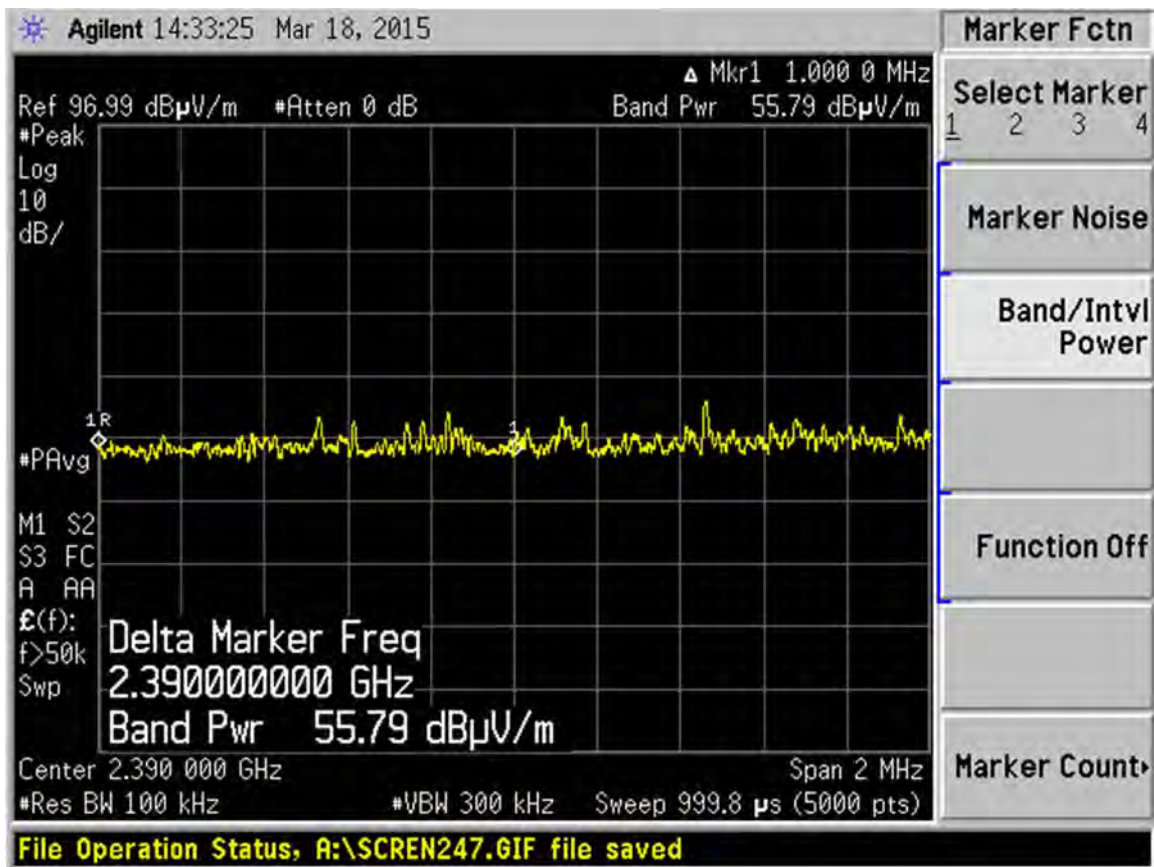


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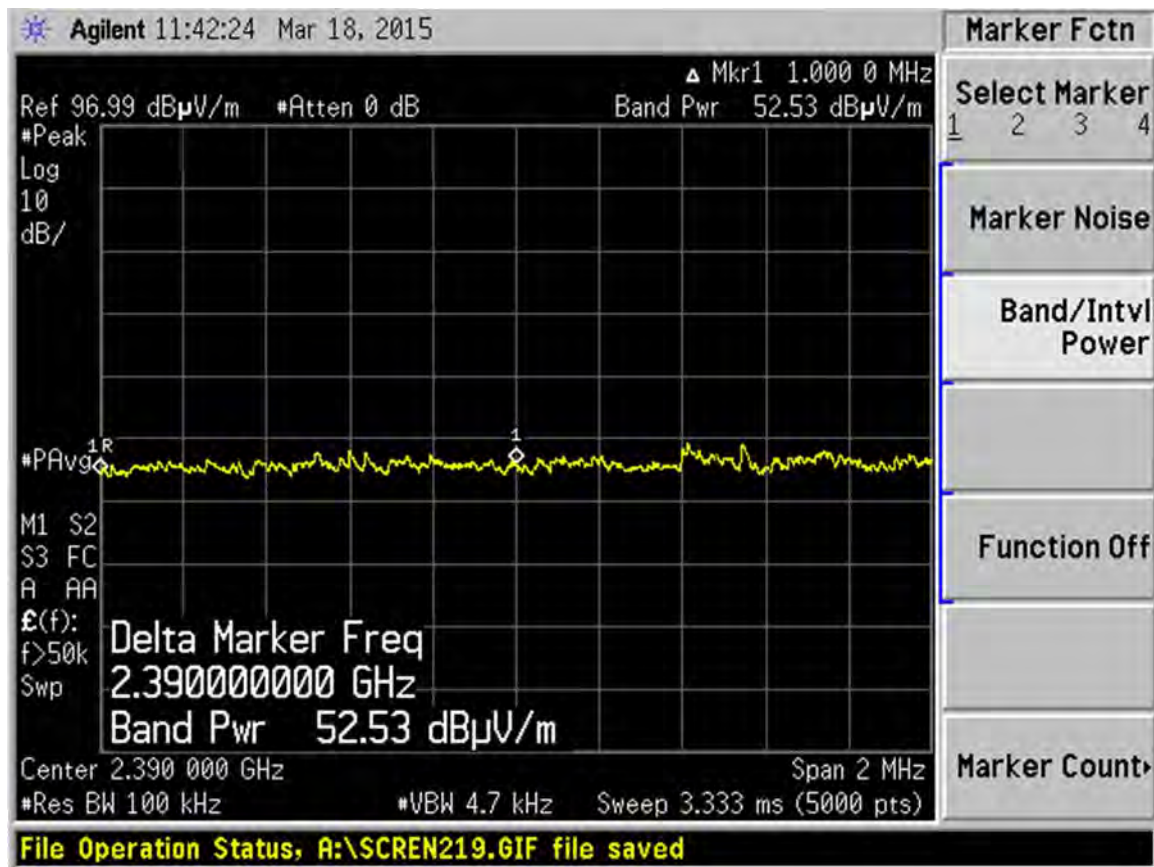
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Antenna: 1
Channel: 2422 MHz, channel 3
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 15

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ s, VBW = 4.7 kHz

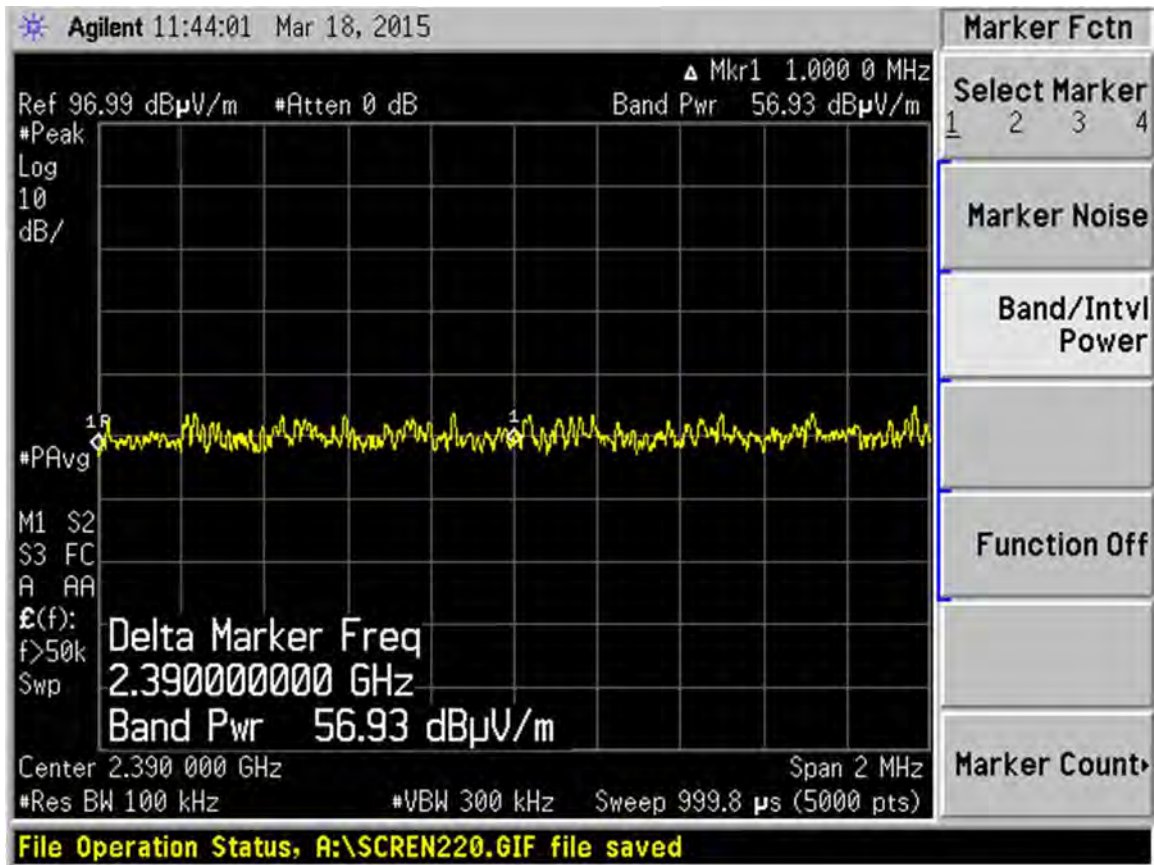


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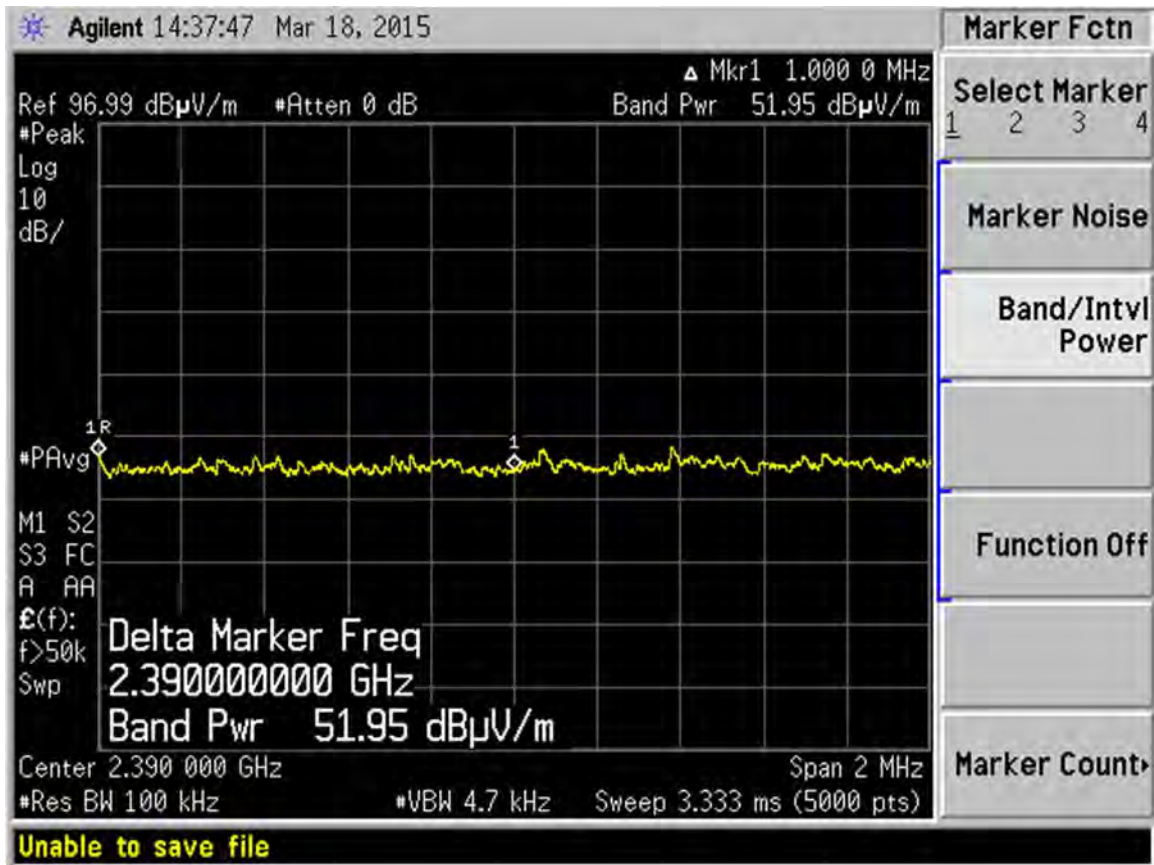
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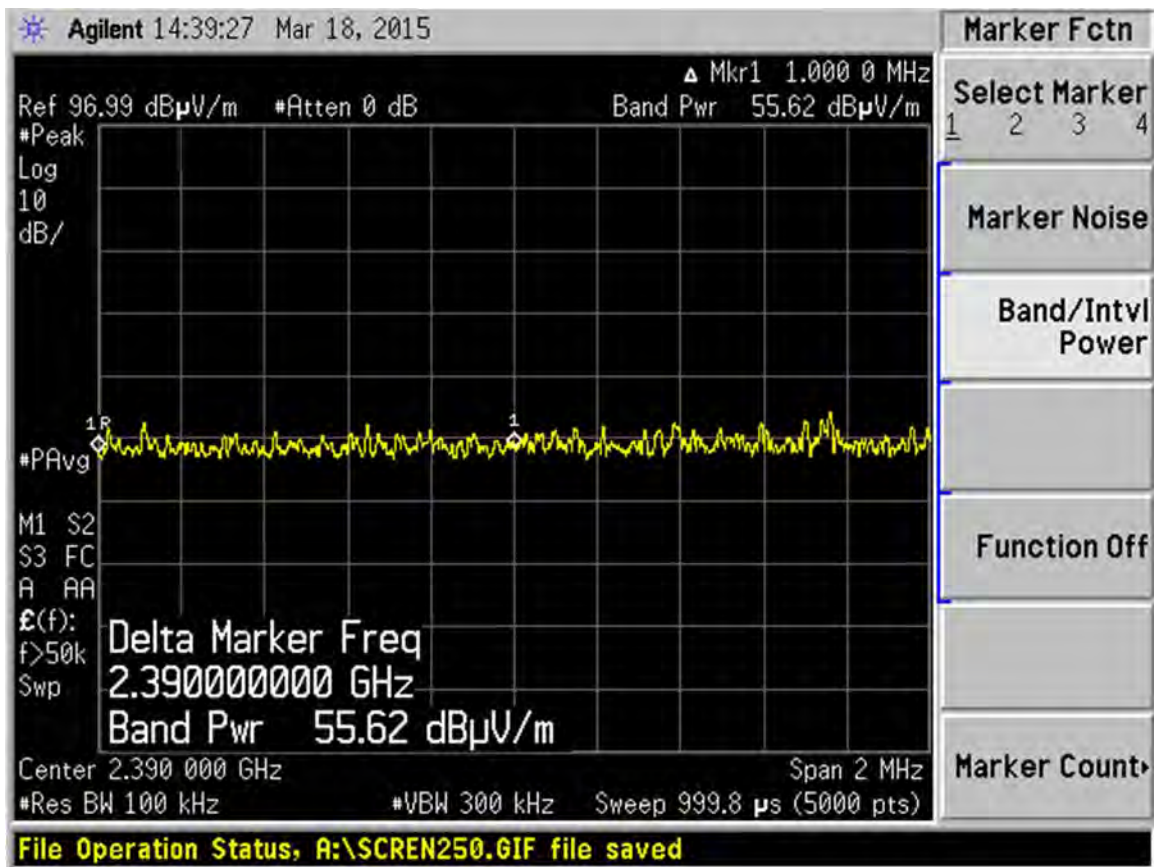


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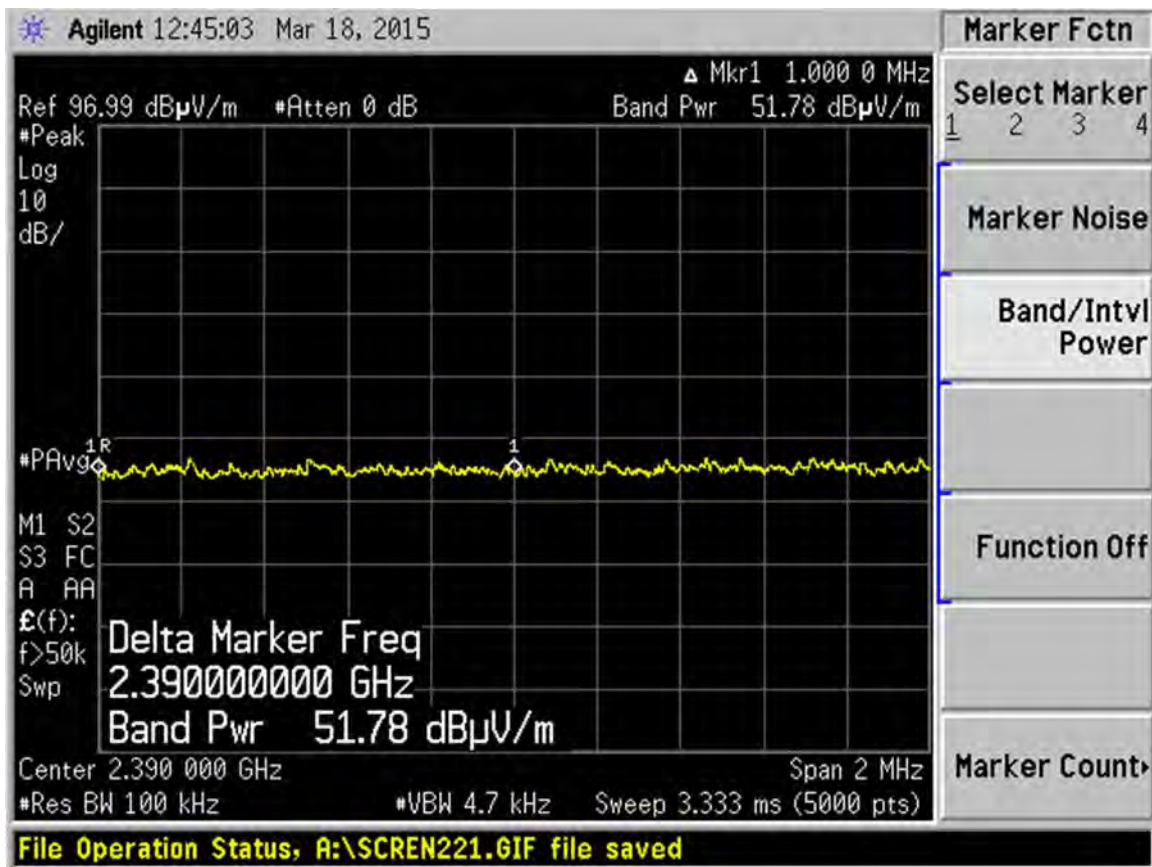
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Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2427 MHz, channel 4
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 16

HORIZONTAL:

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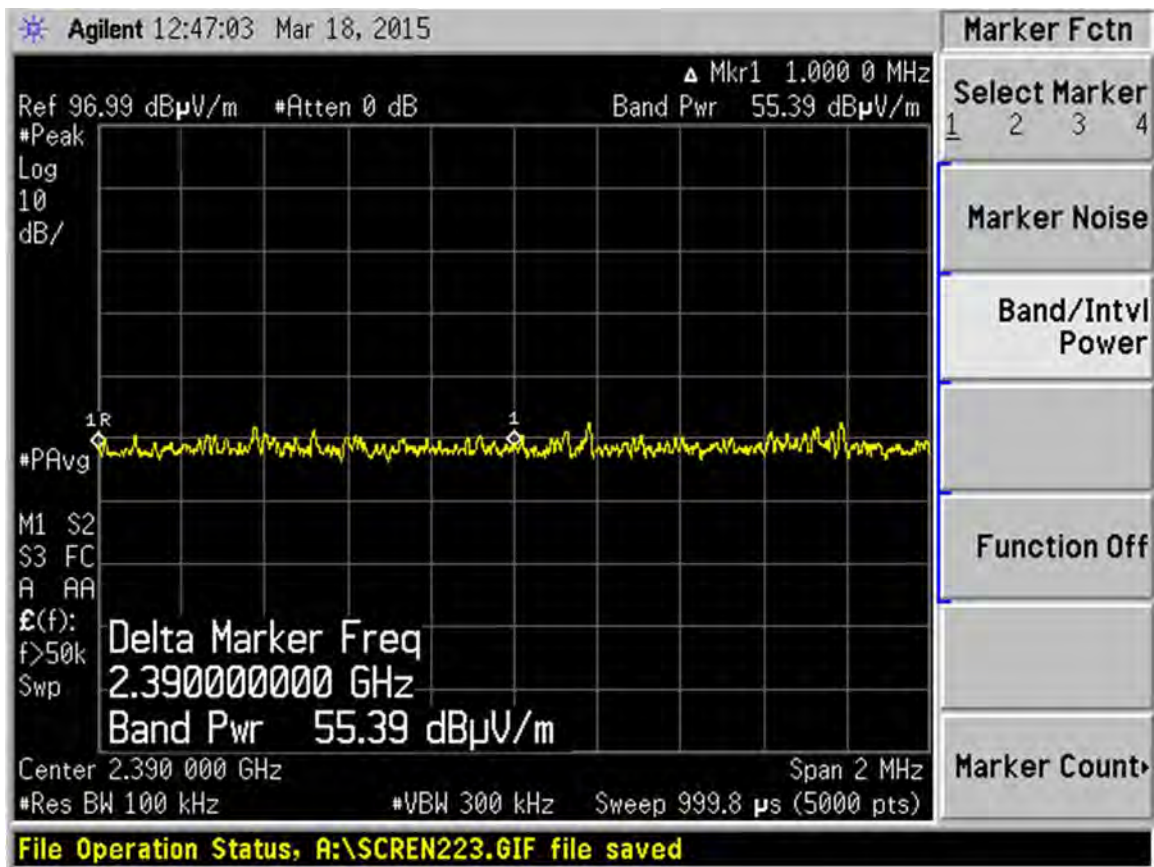


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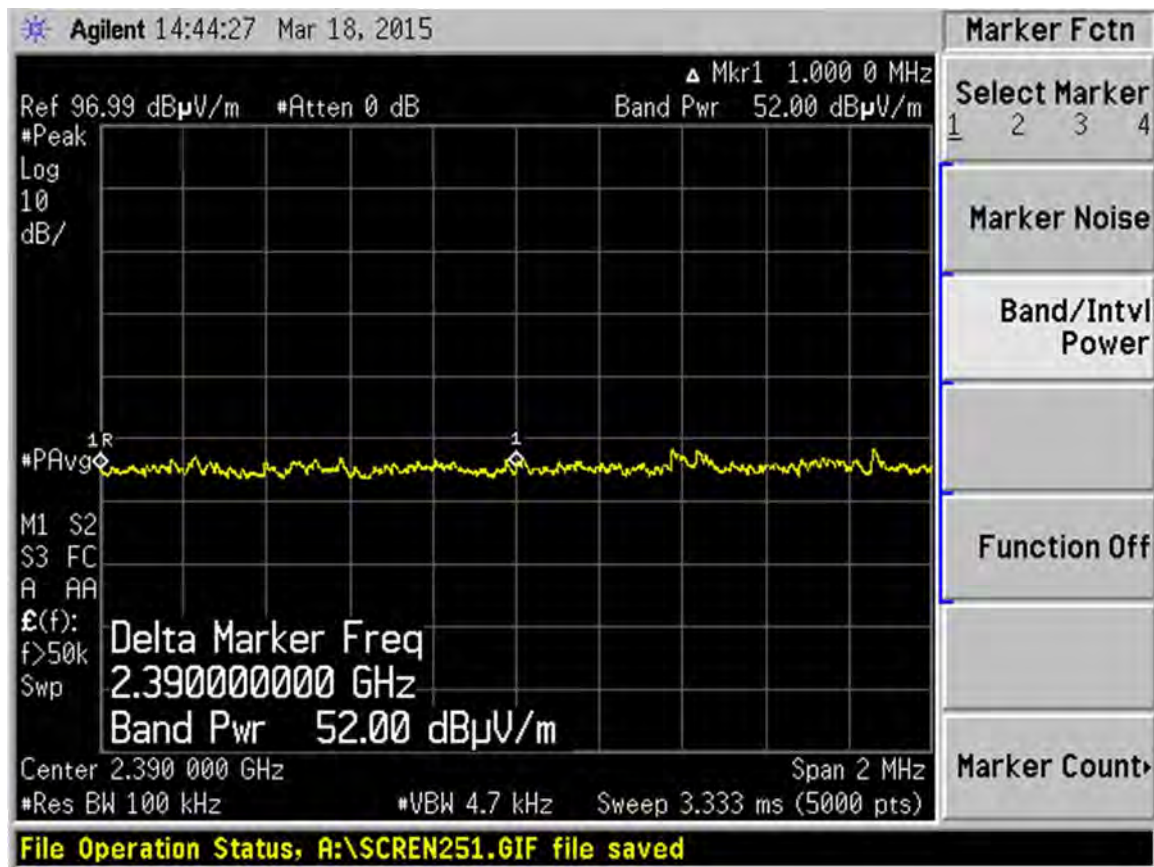
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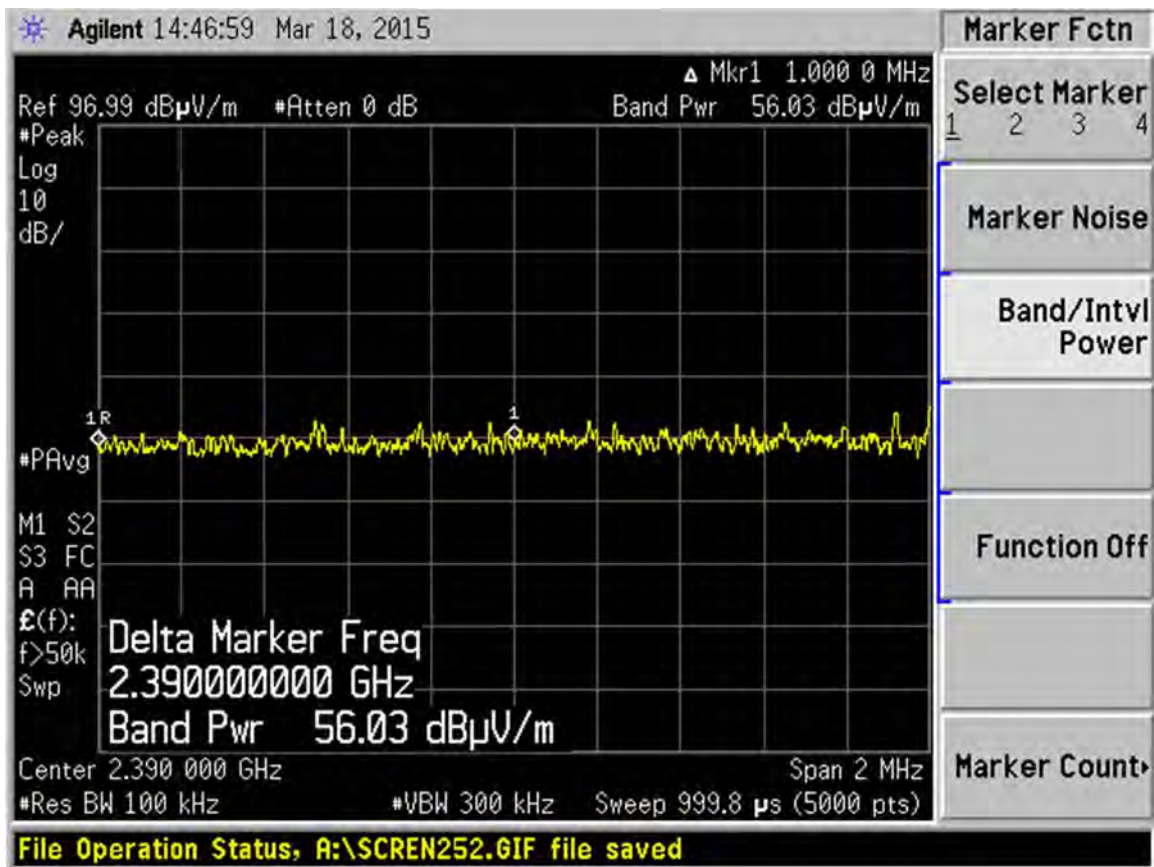


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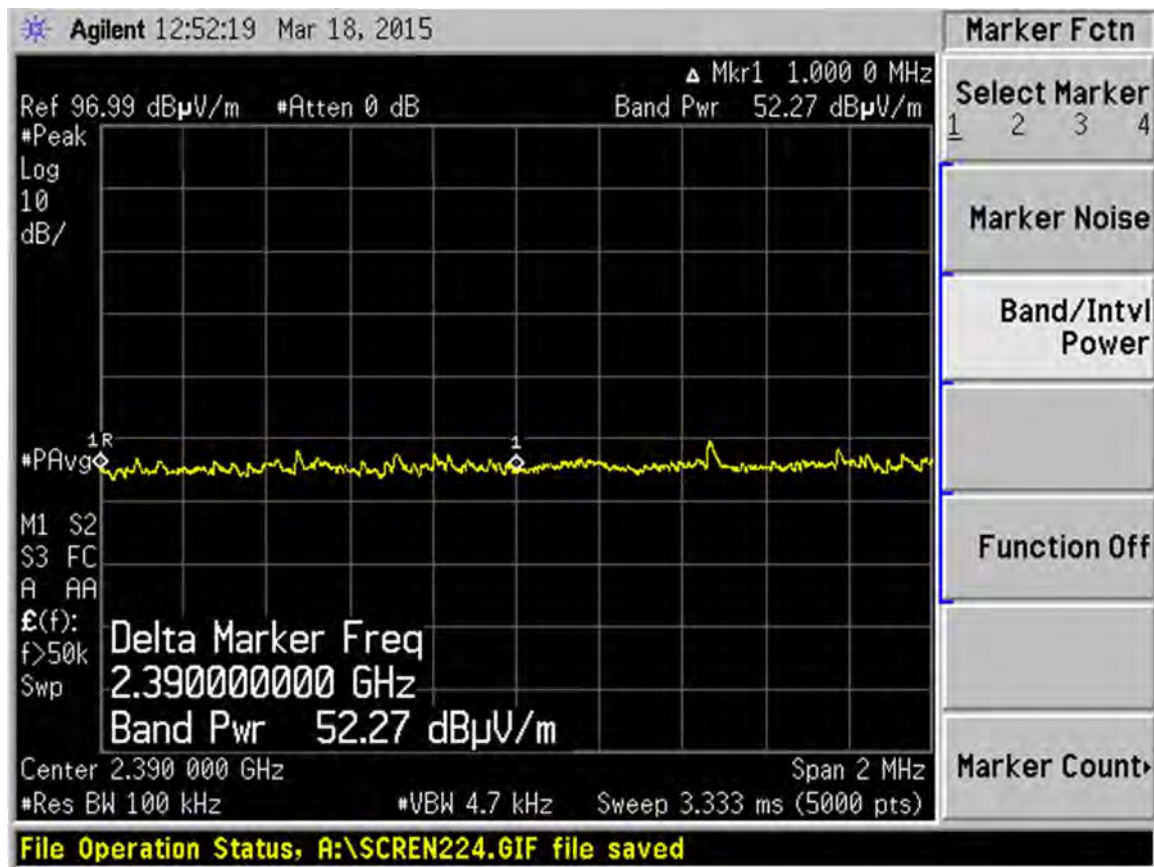
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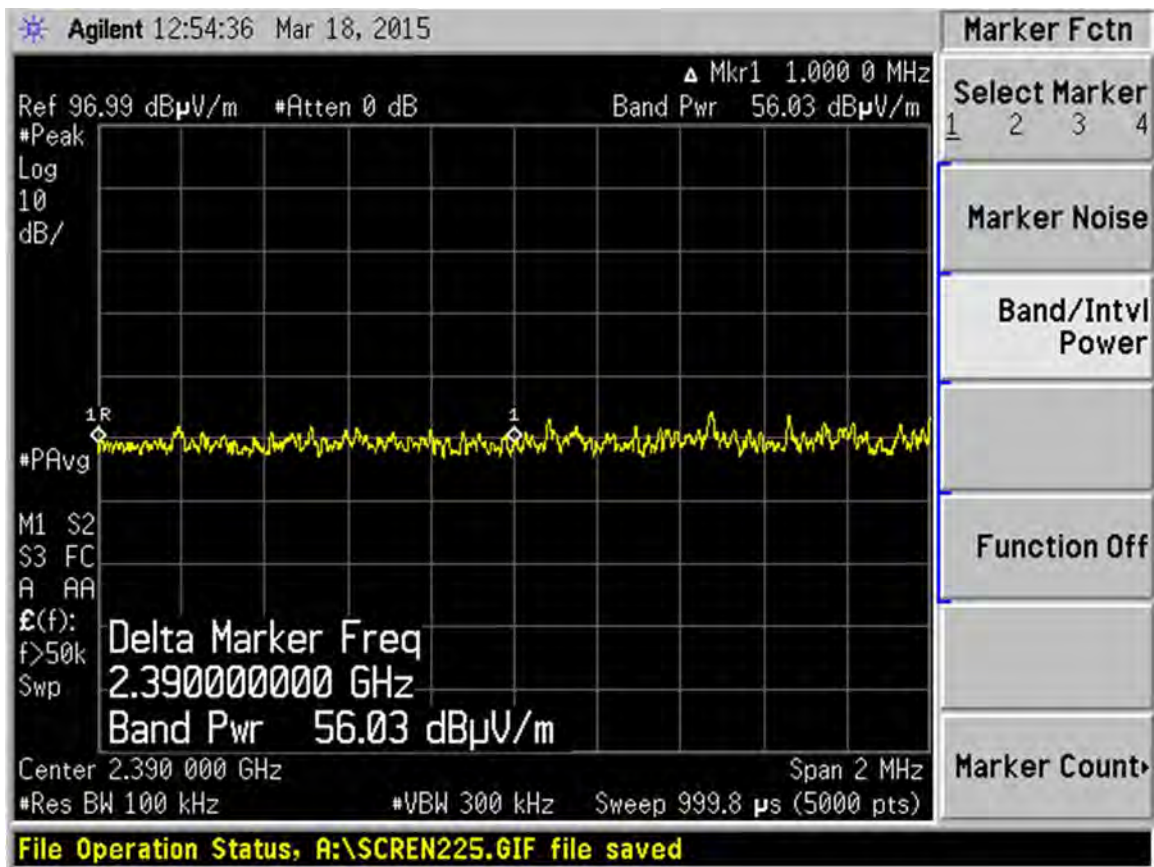


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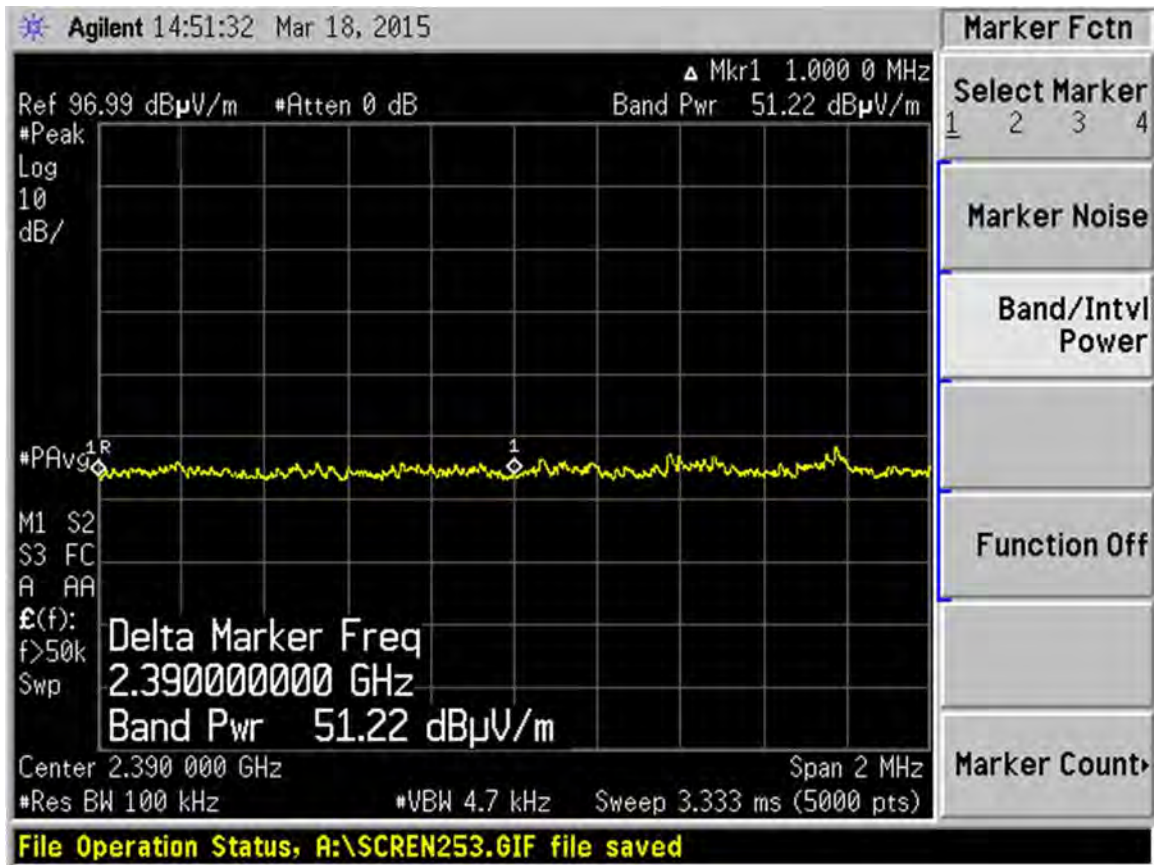
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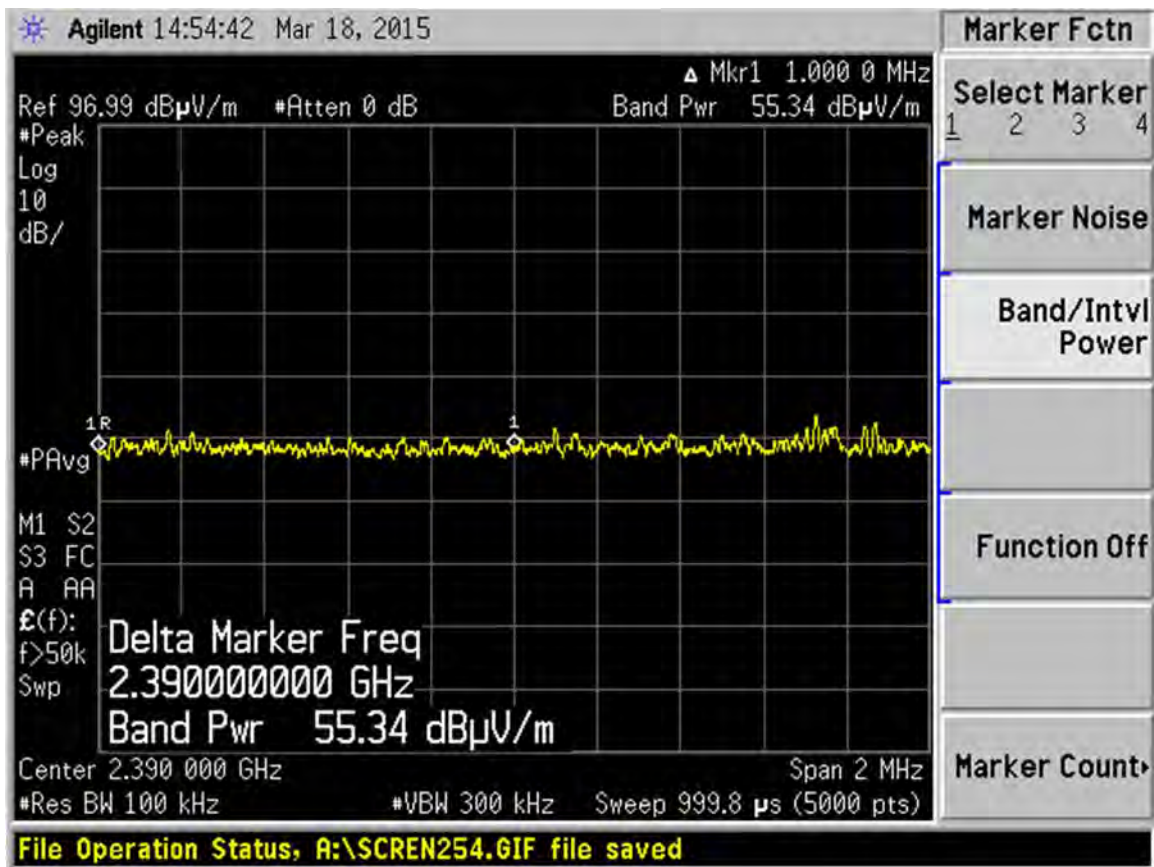


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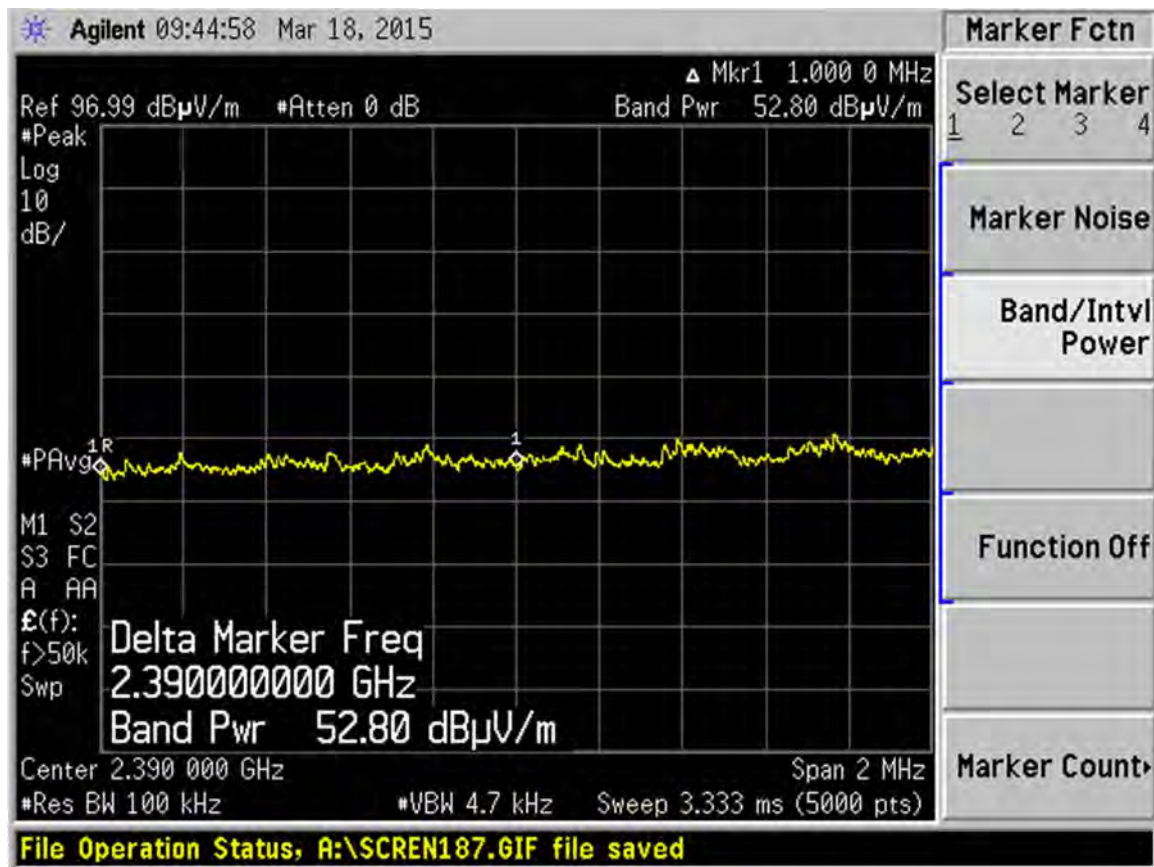
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Operator: Craig B

Antenna: 2
Channel: 2412 MHz, channel 1
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 10

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ s, VBW = 4.7 kHz

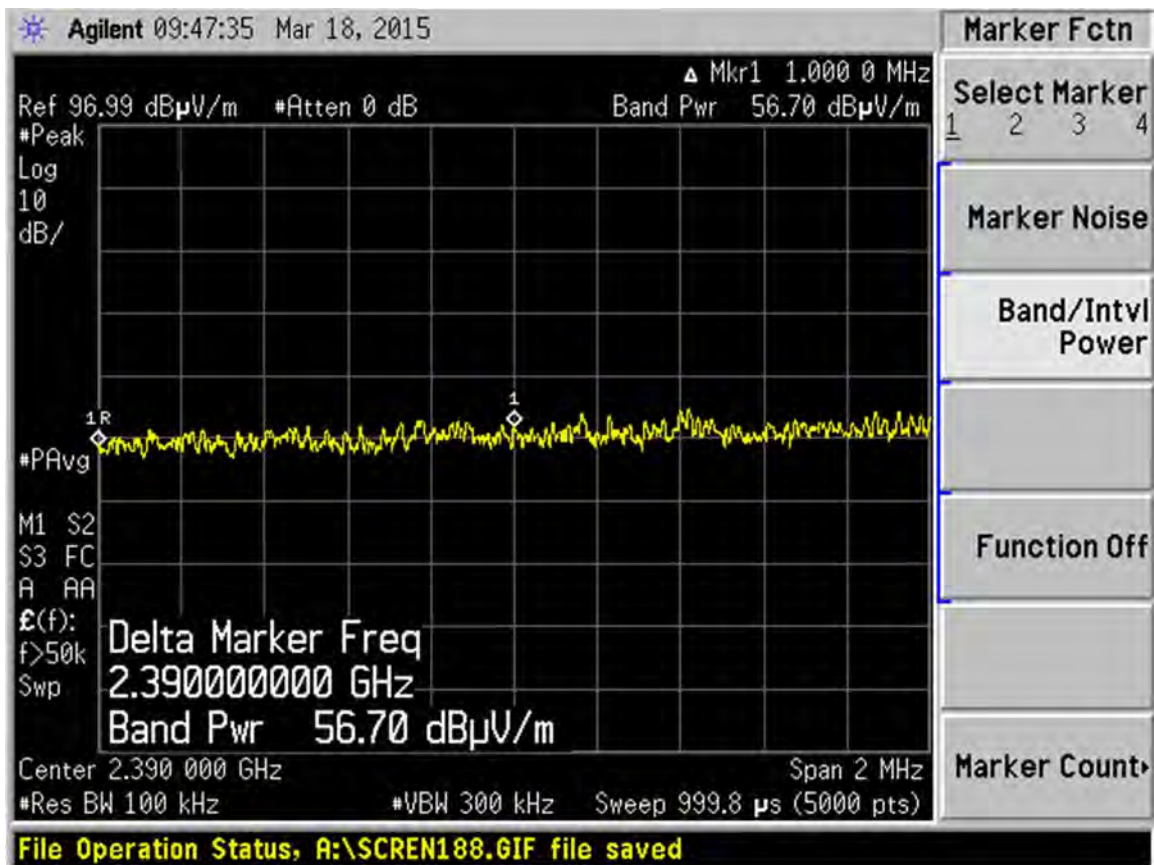


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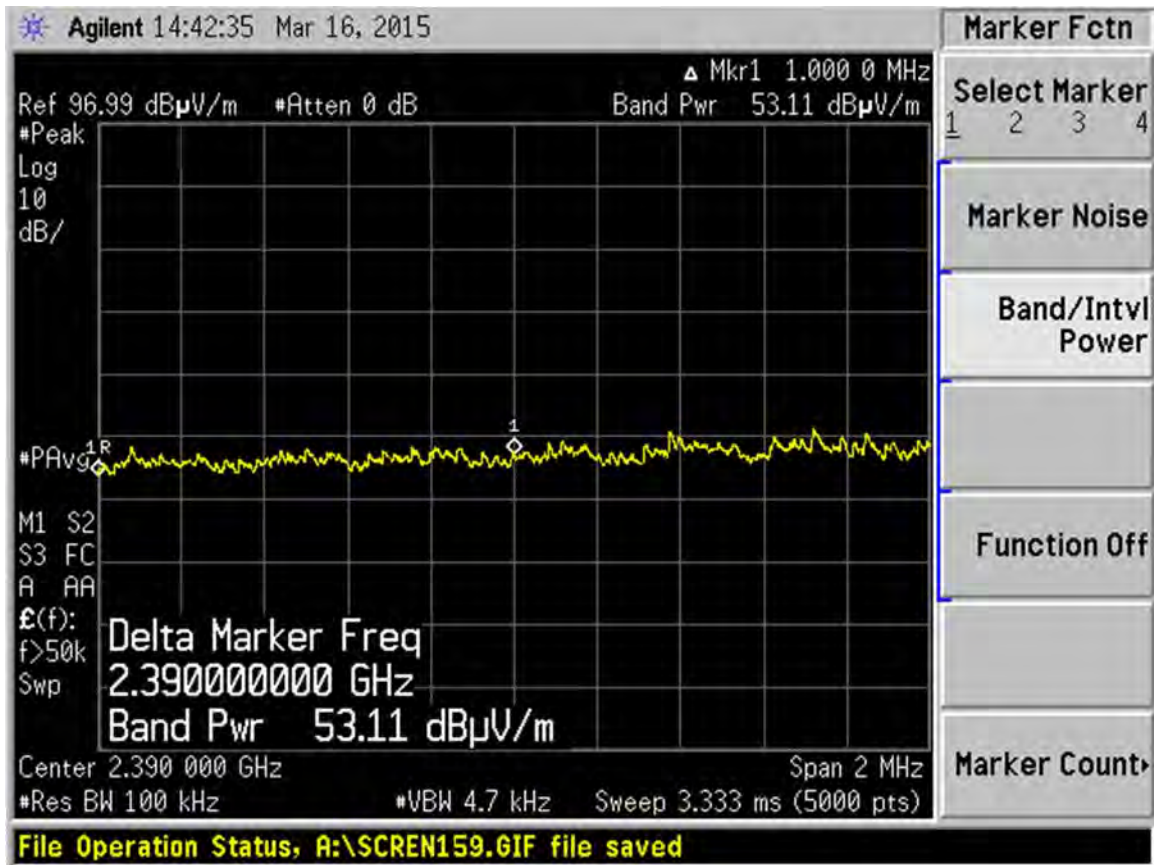
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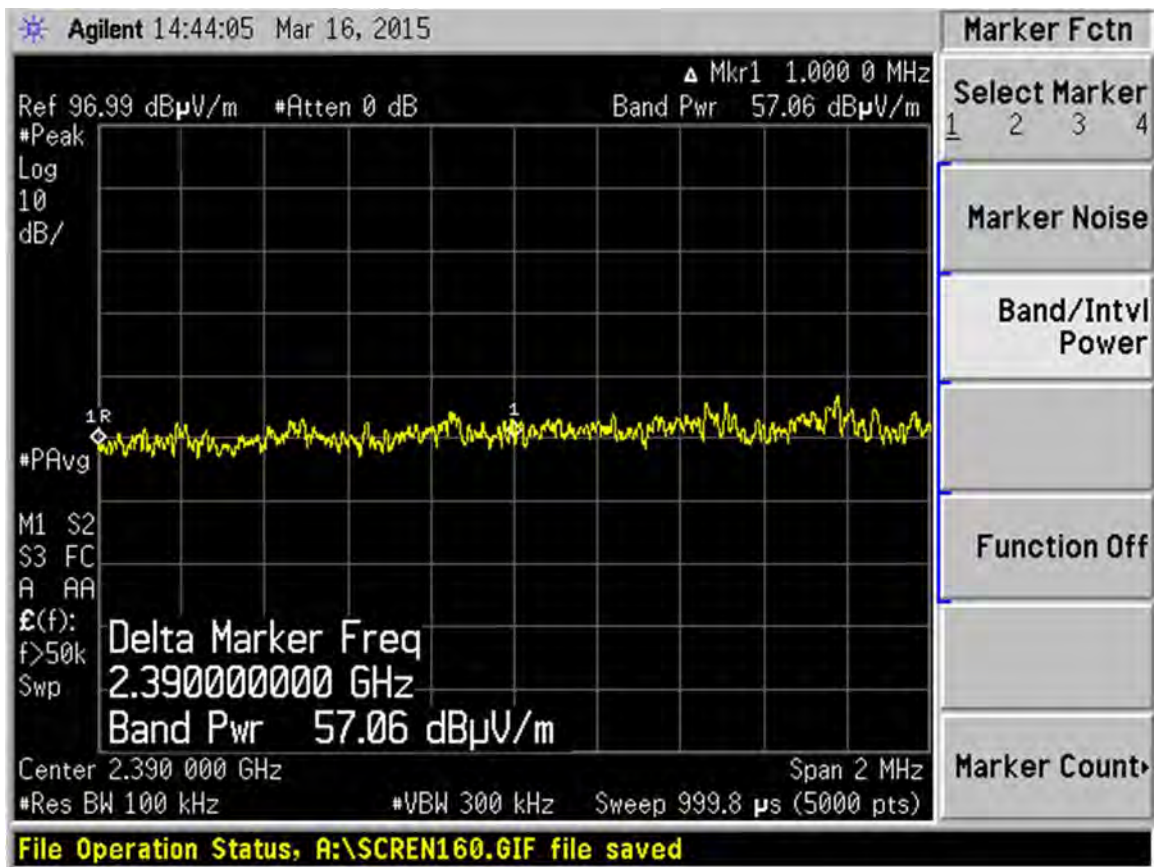


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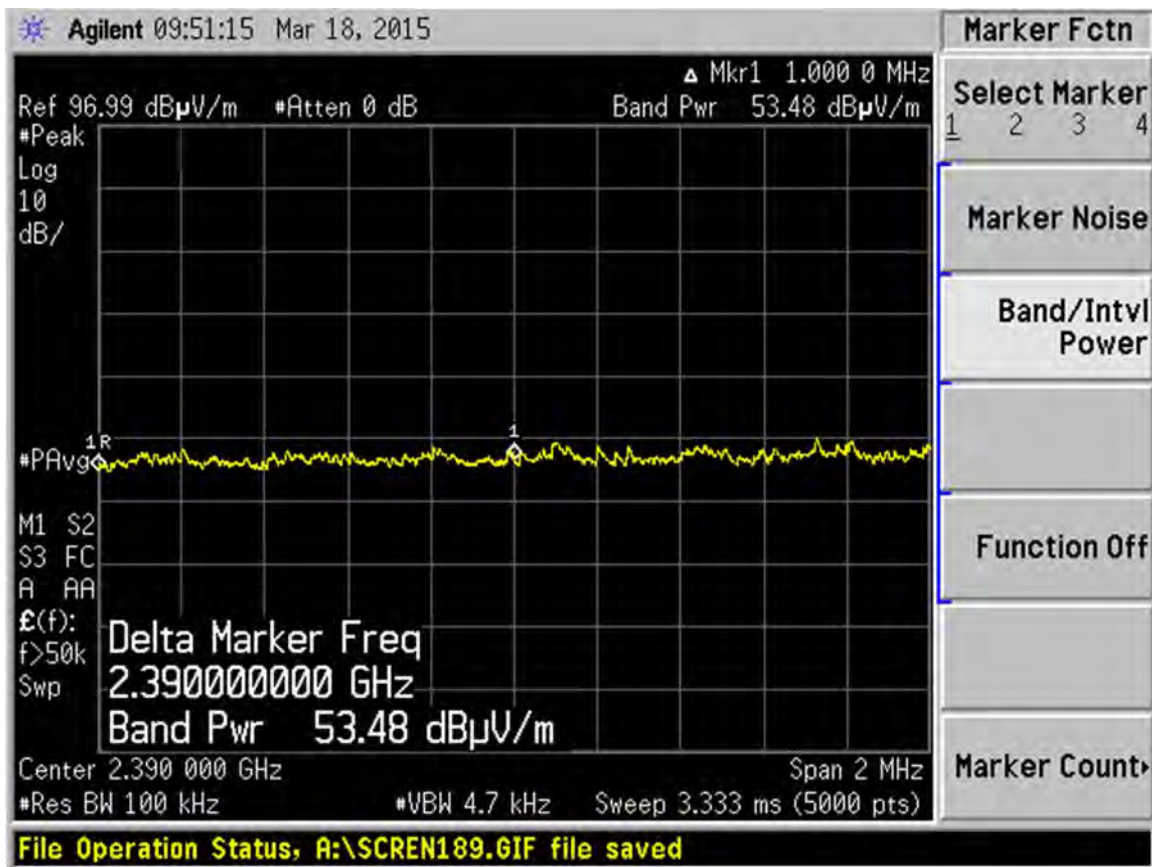
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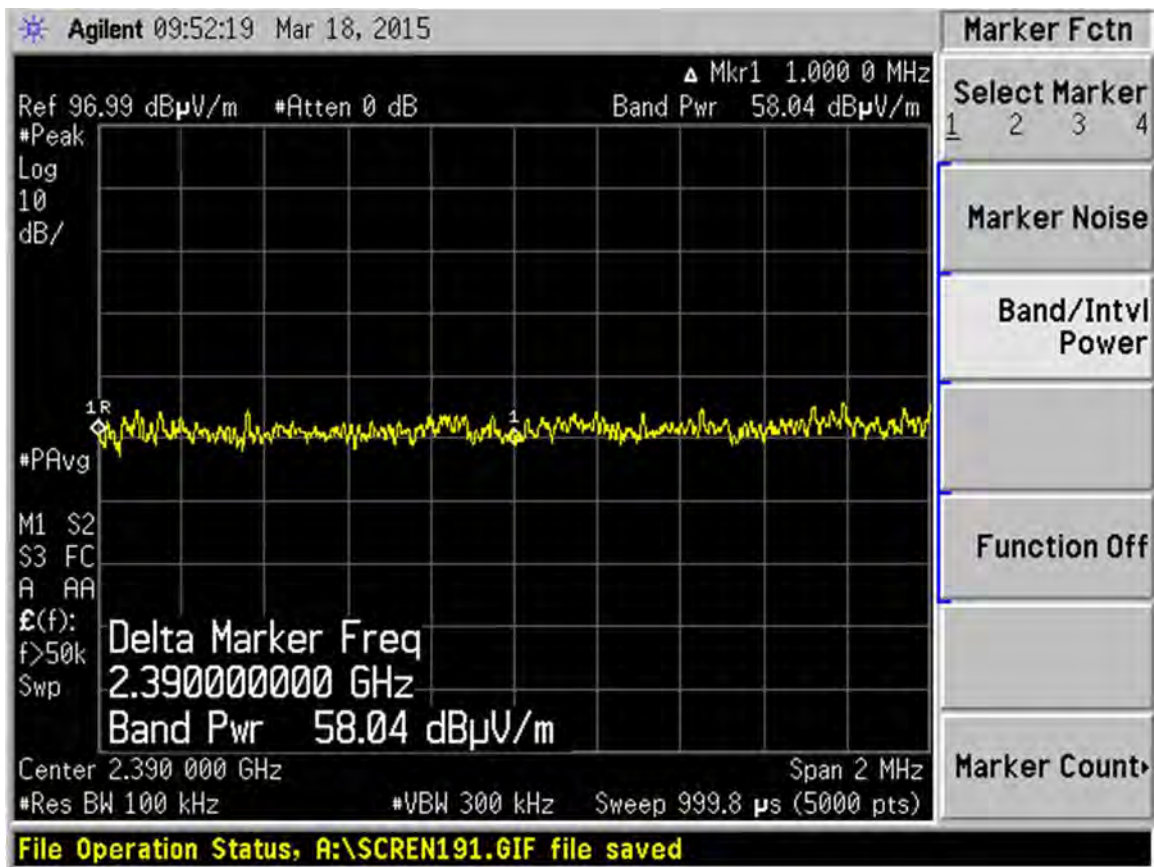


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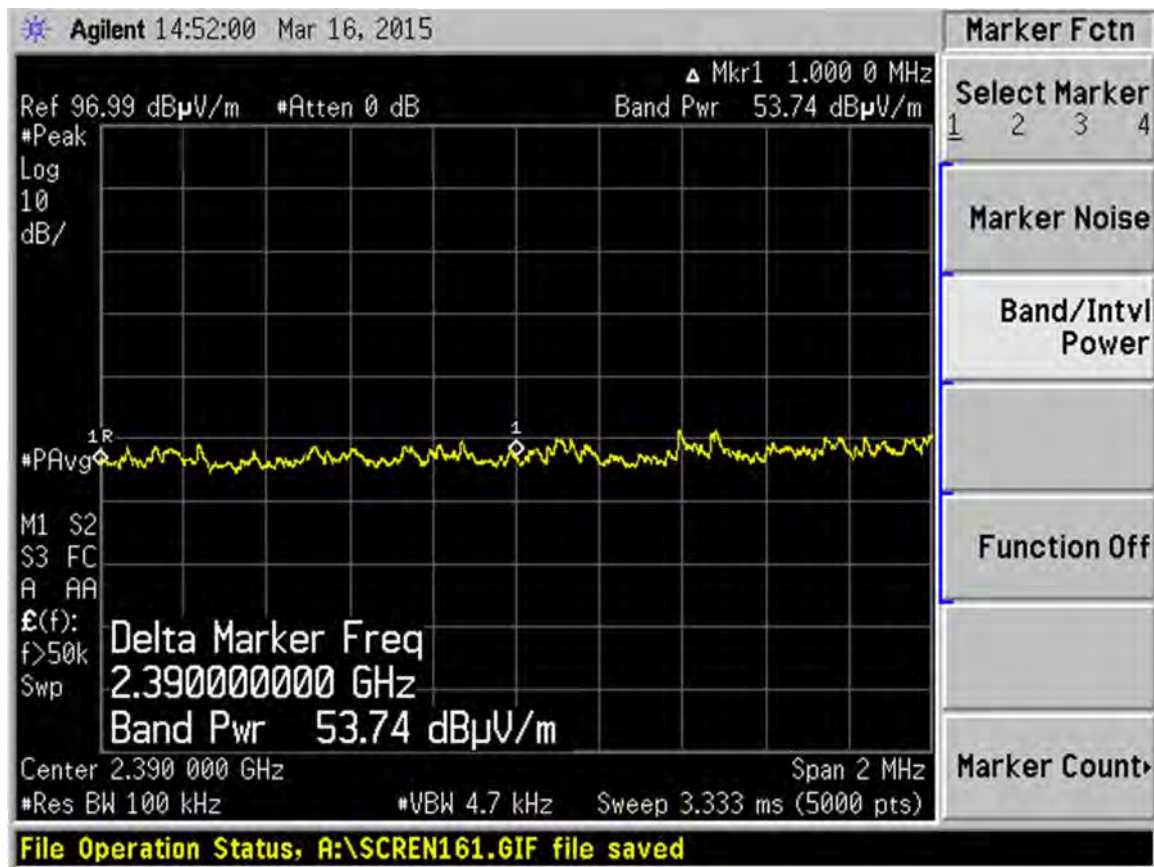
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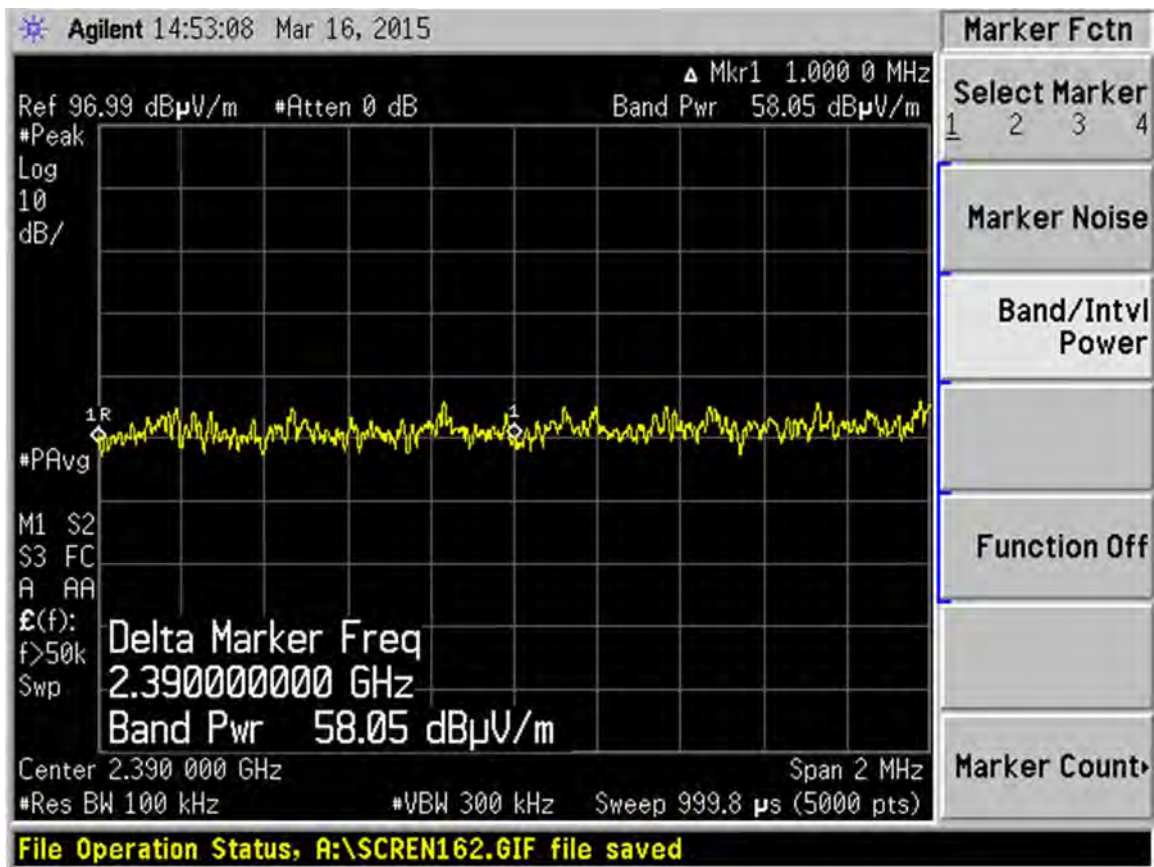


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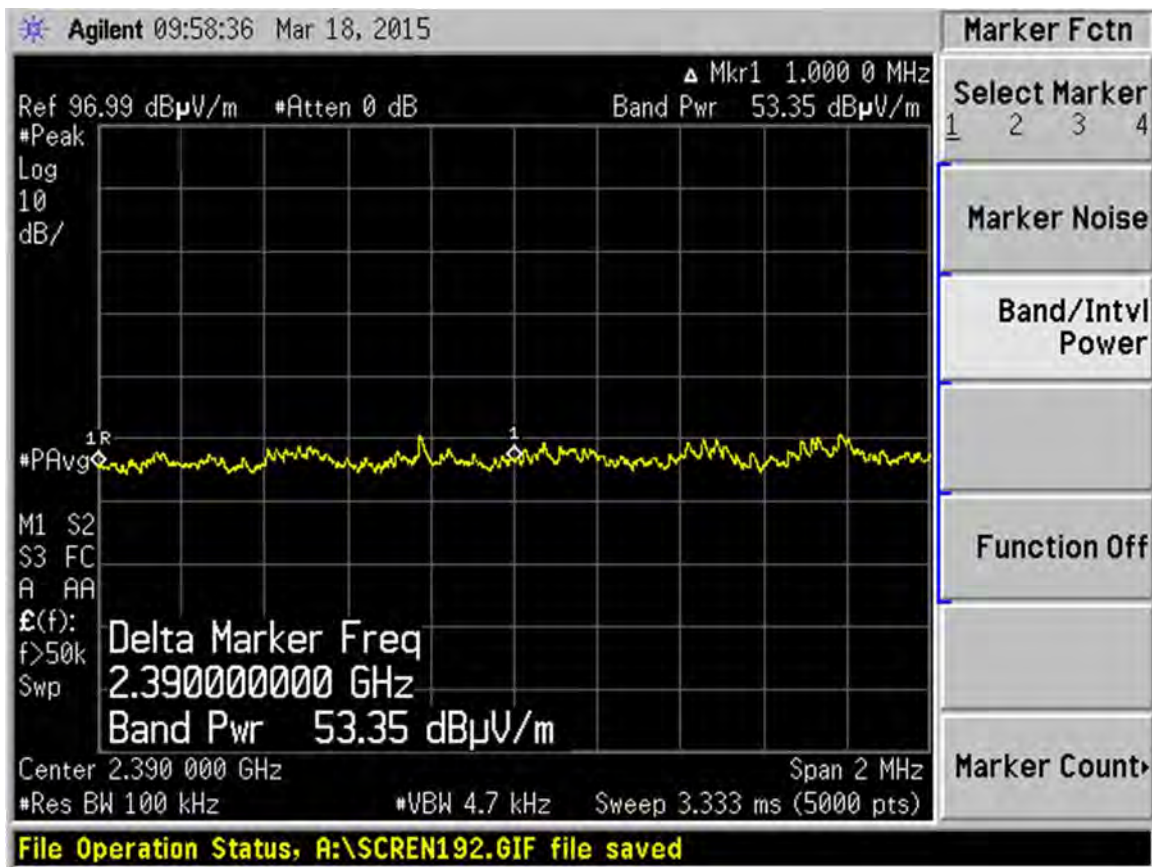
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Channel: 2422 MHz, channel 3
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Power setting: 15

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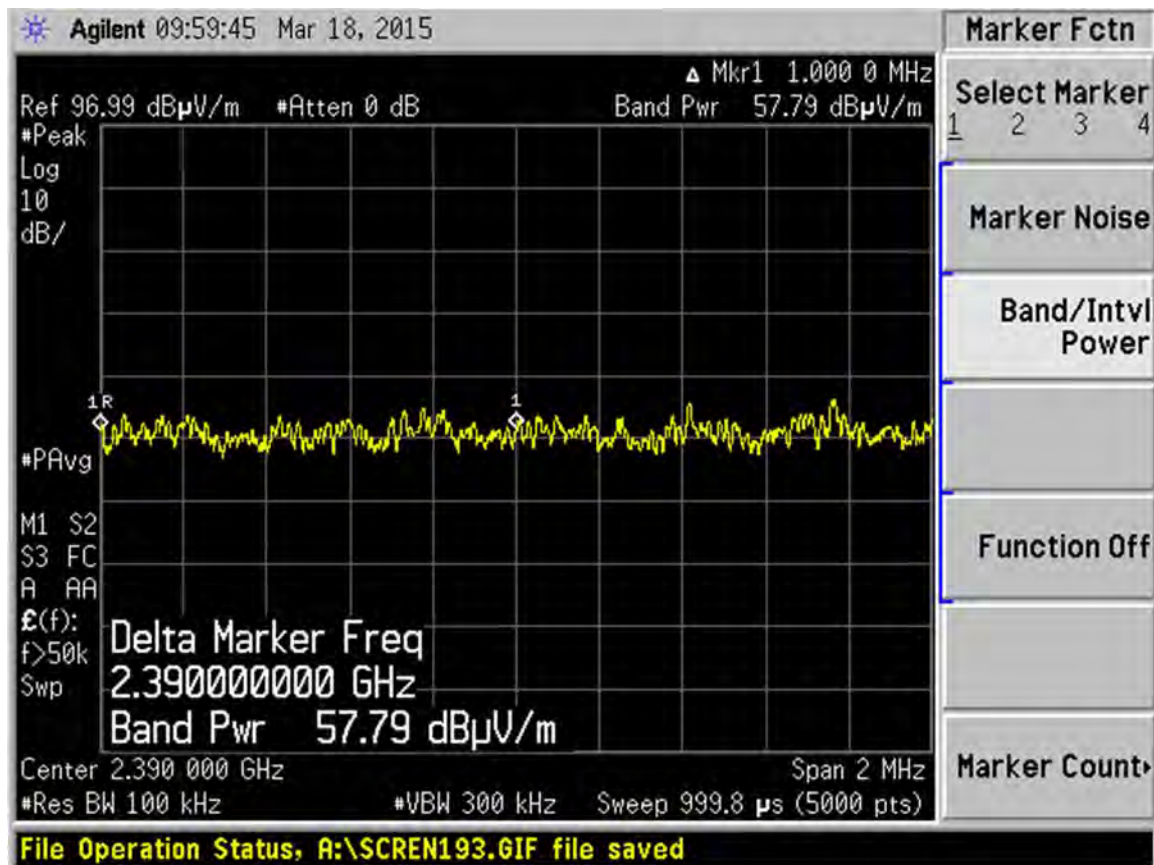


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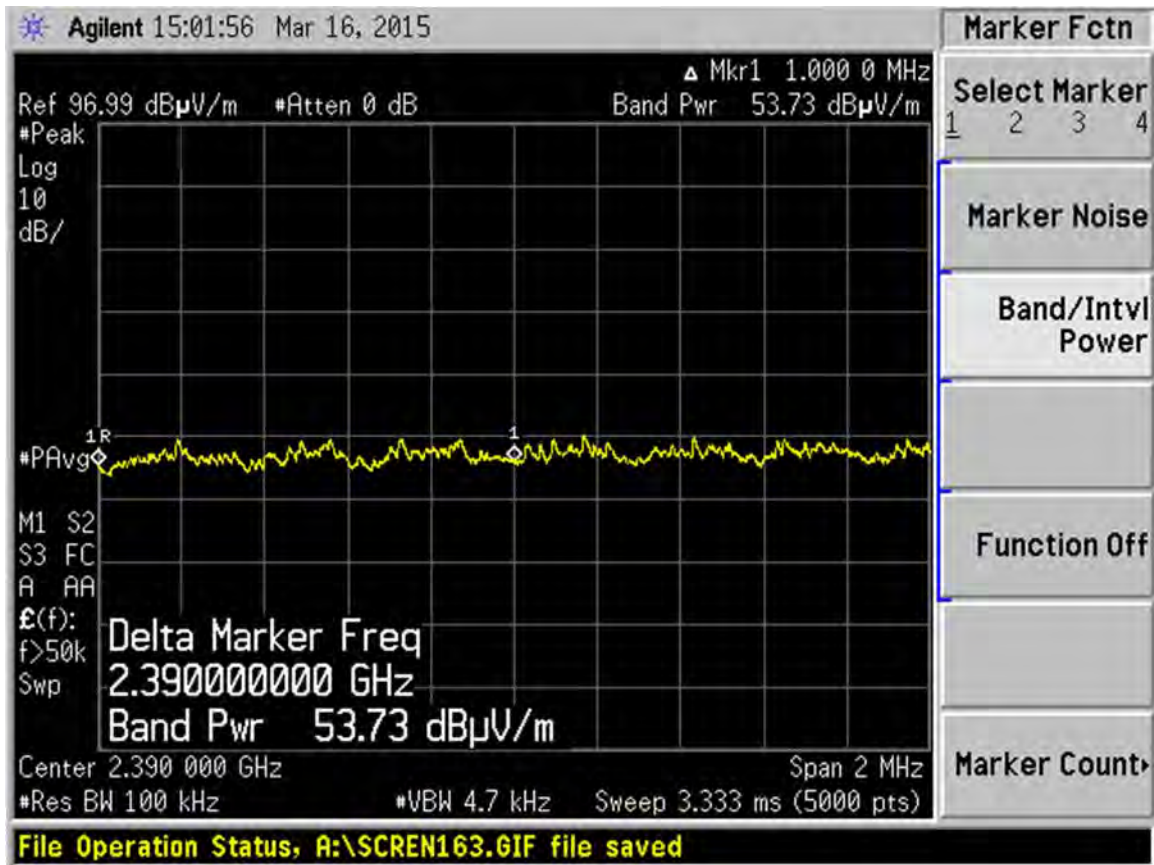
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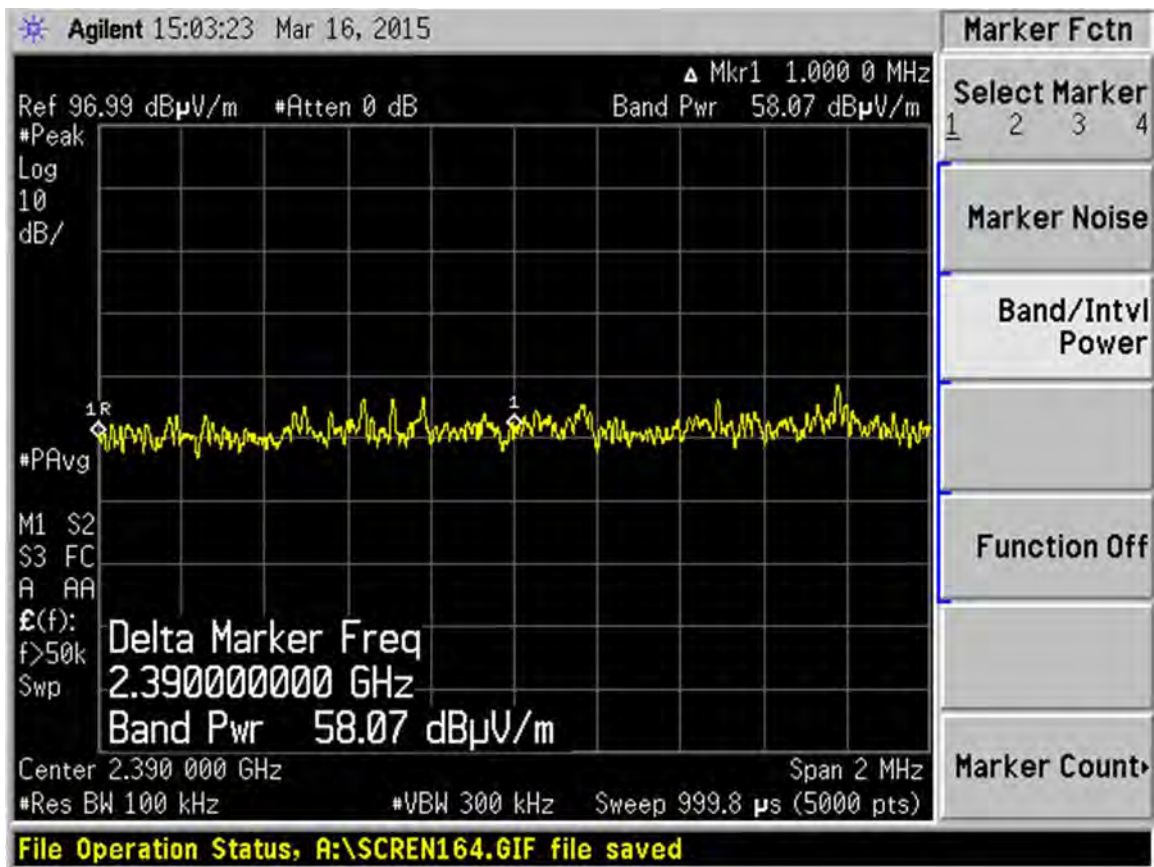


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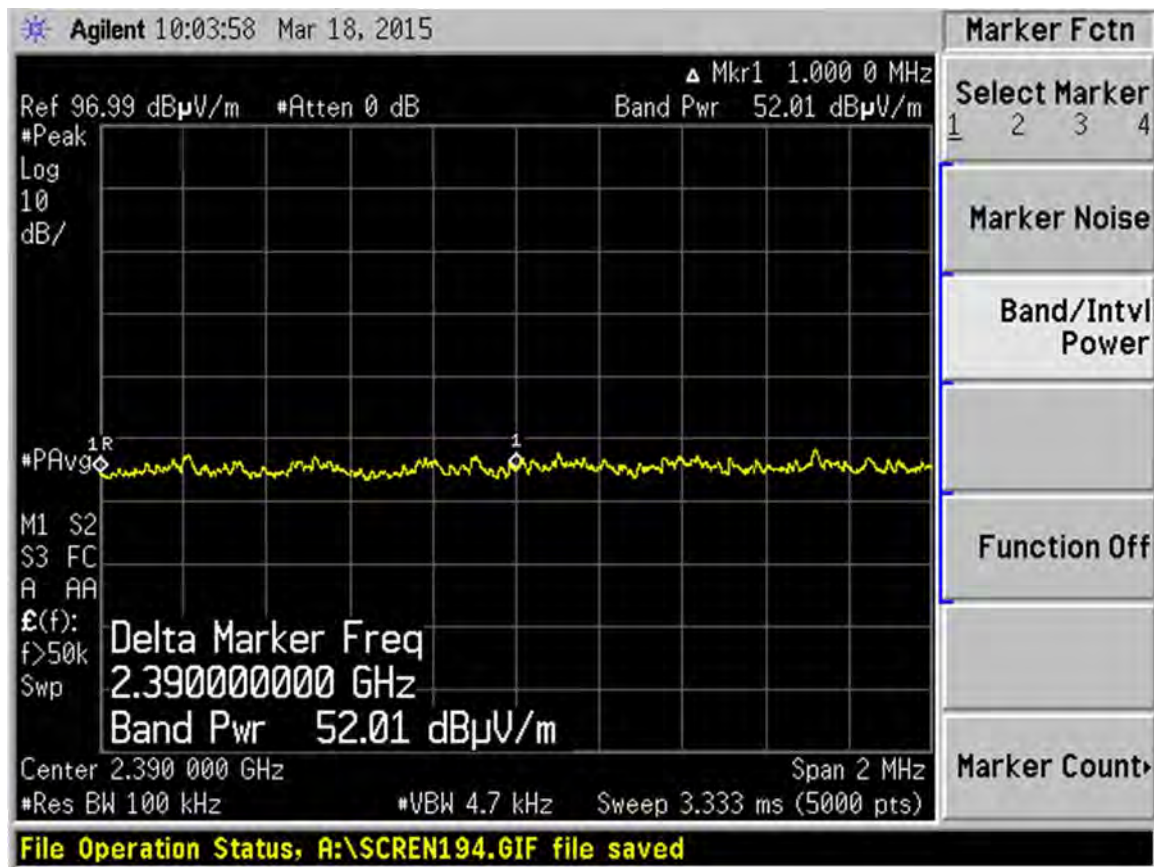
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AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ S, VBW = 4.7 kHz

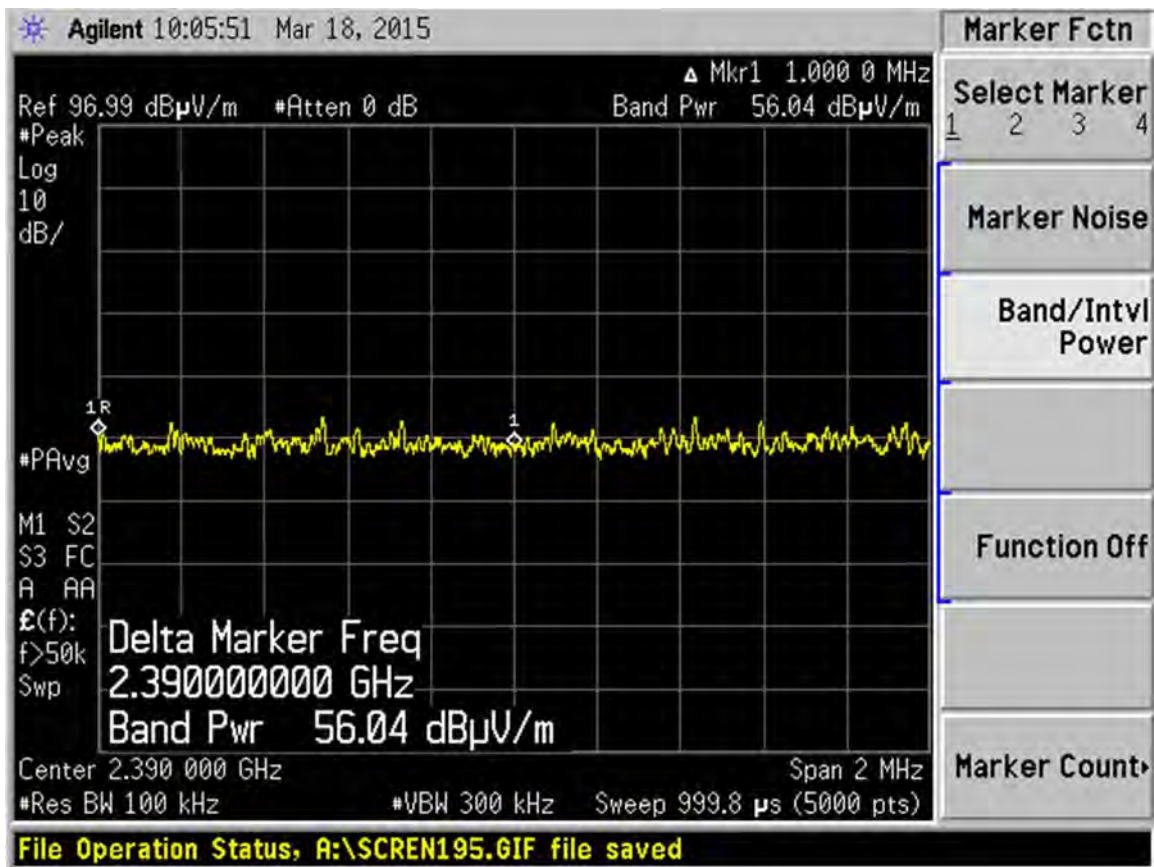


Test Date: 03-18-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2427 MHz, channel 4
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 16

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



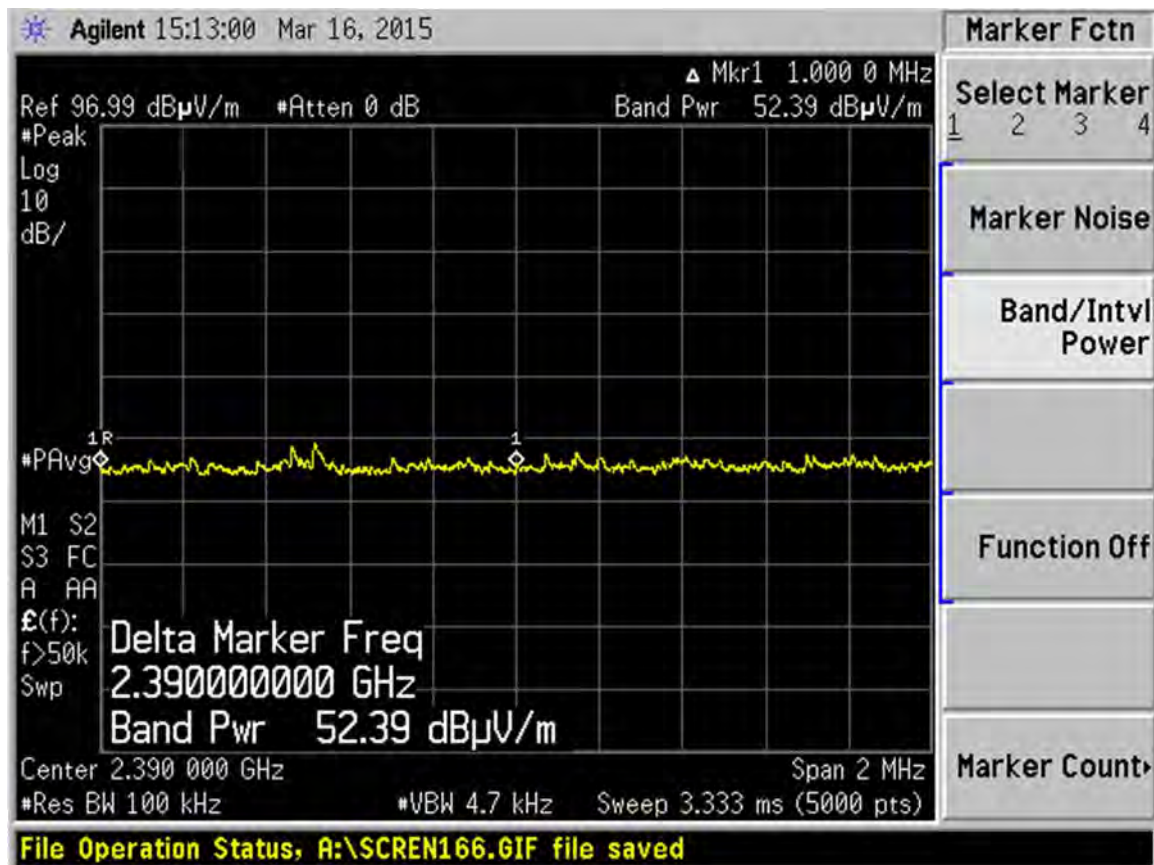
Test Date: 03-16-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2427 MHz, channel 4
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 16

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ S, VBW = 4.7 kHz

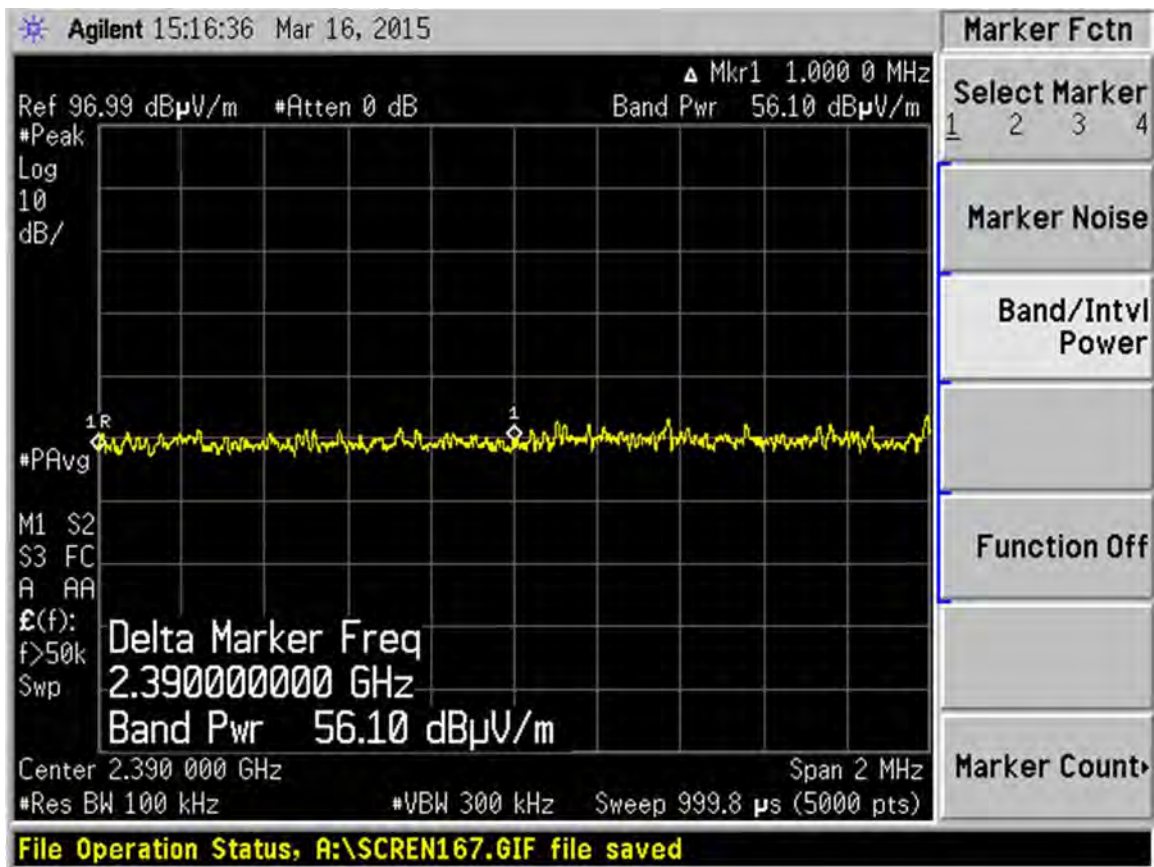


Test Date: 03-16-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2427 MHz, channel 4
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 16

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters

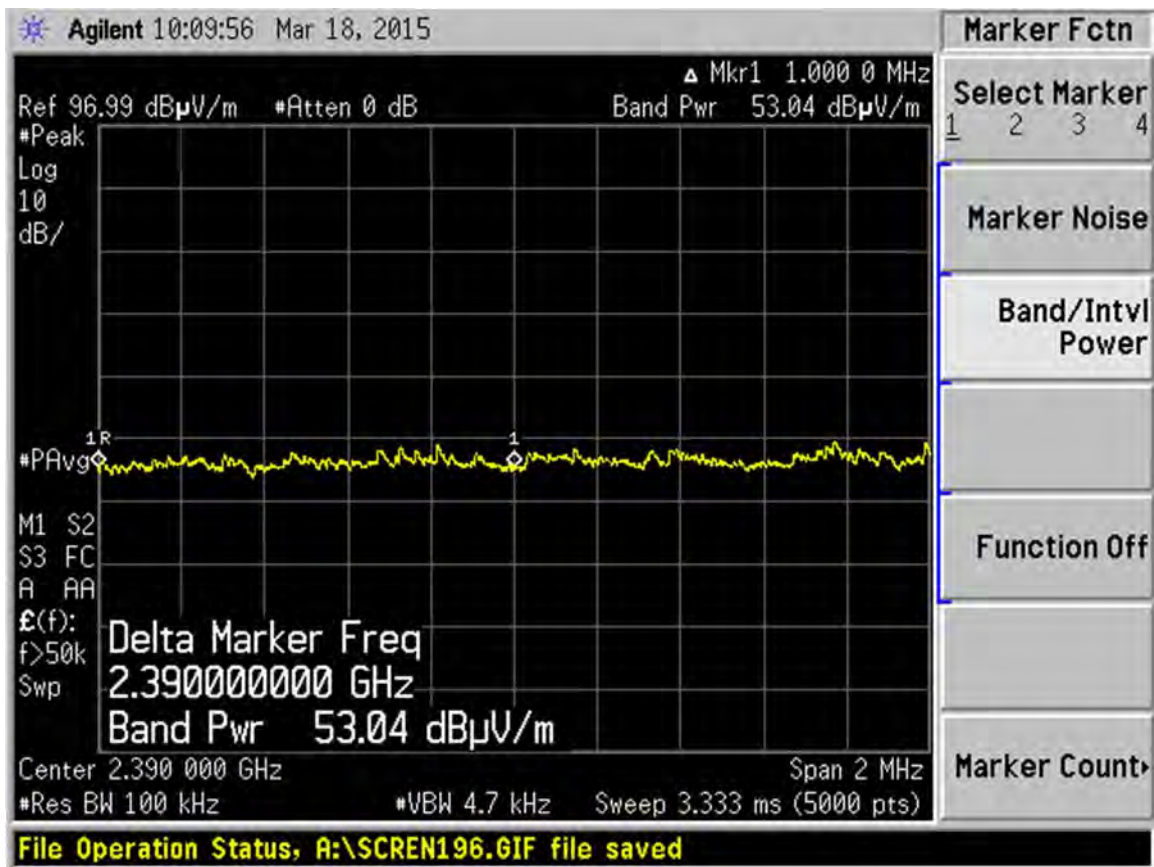


Test Date: 03-18-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2432 MHz, channel 5
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 18

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 230 μ s, VBW = 4.7 kHz

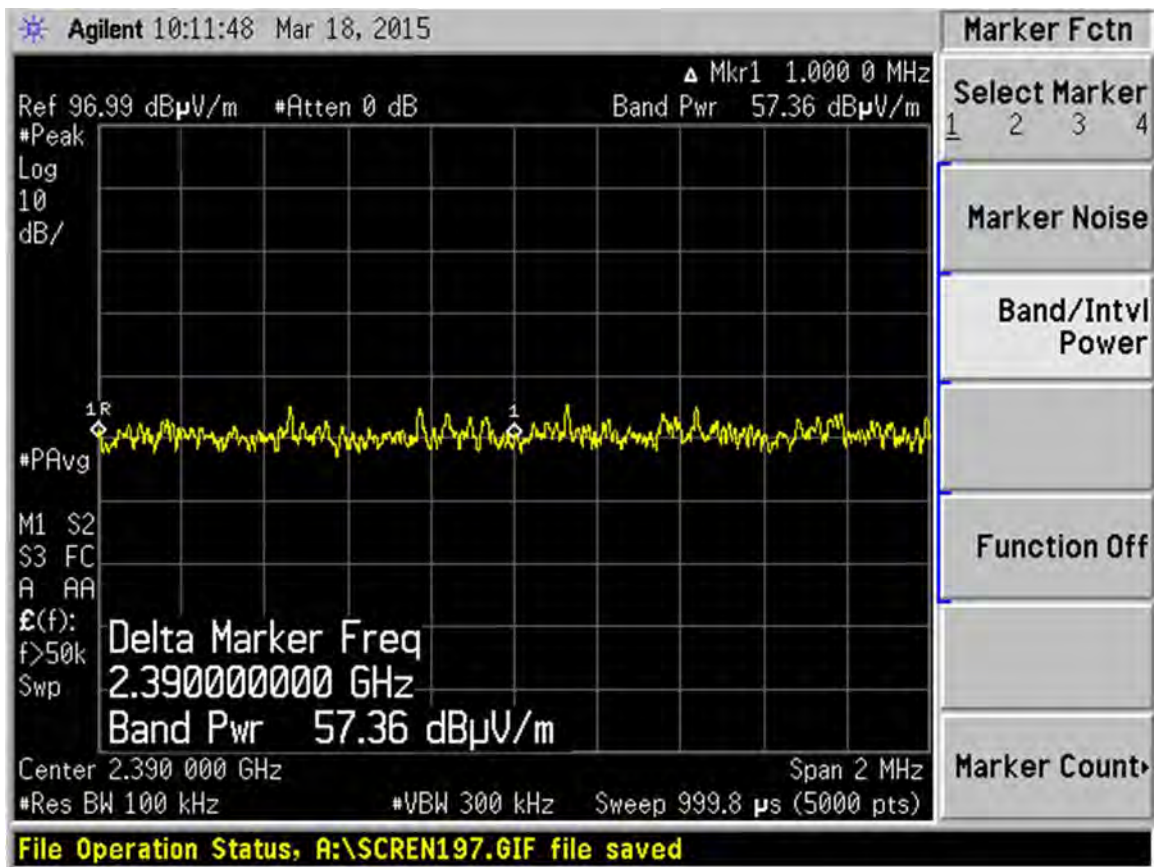


Test Date: 03-18-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2432 MHz, channel 5
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 18

HORIZONTAL:

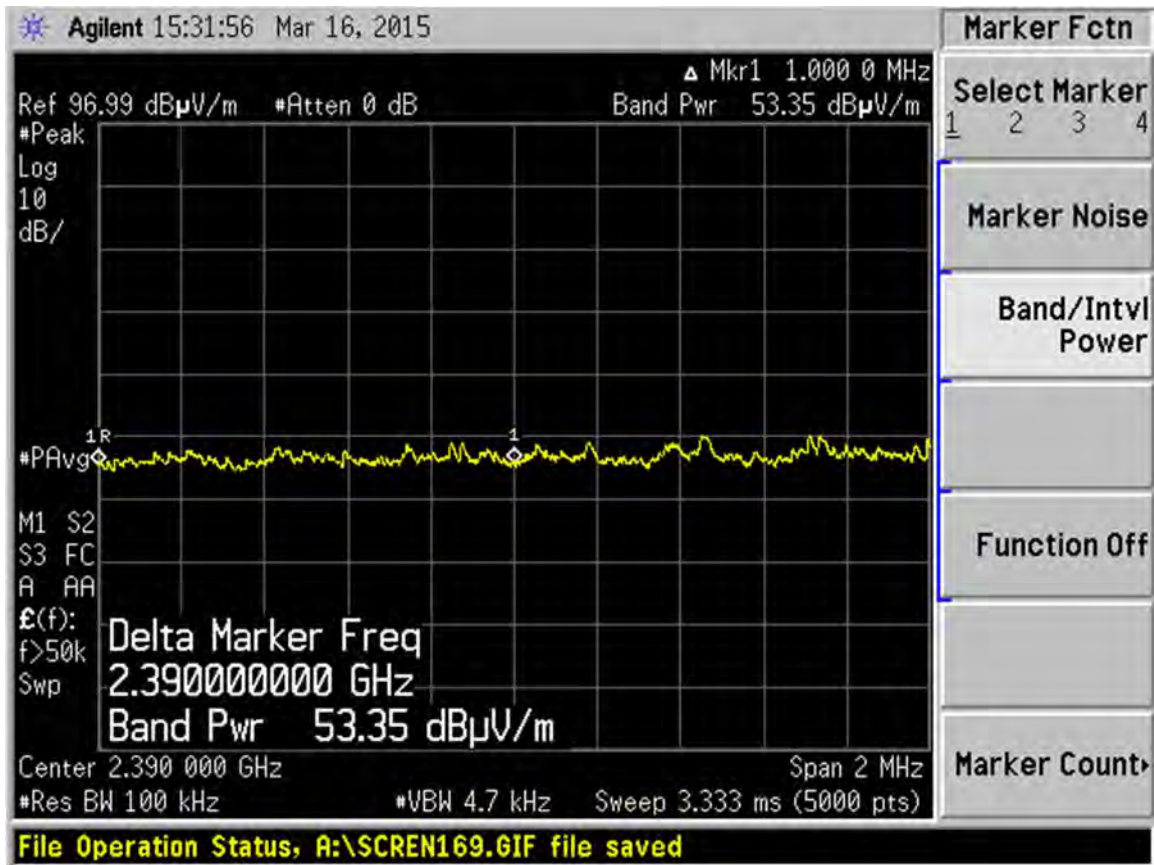
PEAK: Limit = 74 dB μ V/m @ 3 meters



Test Date: 03-16-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2432 MHz, channel 5
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 18

VERTICAL:
AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 230 μ S, VBW = 4.7 kHz

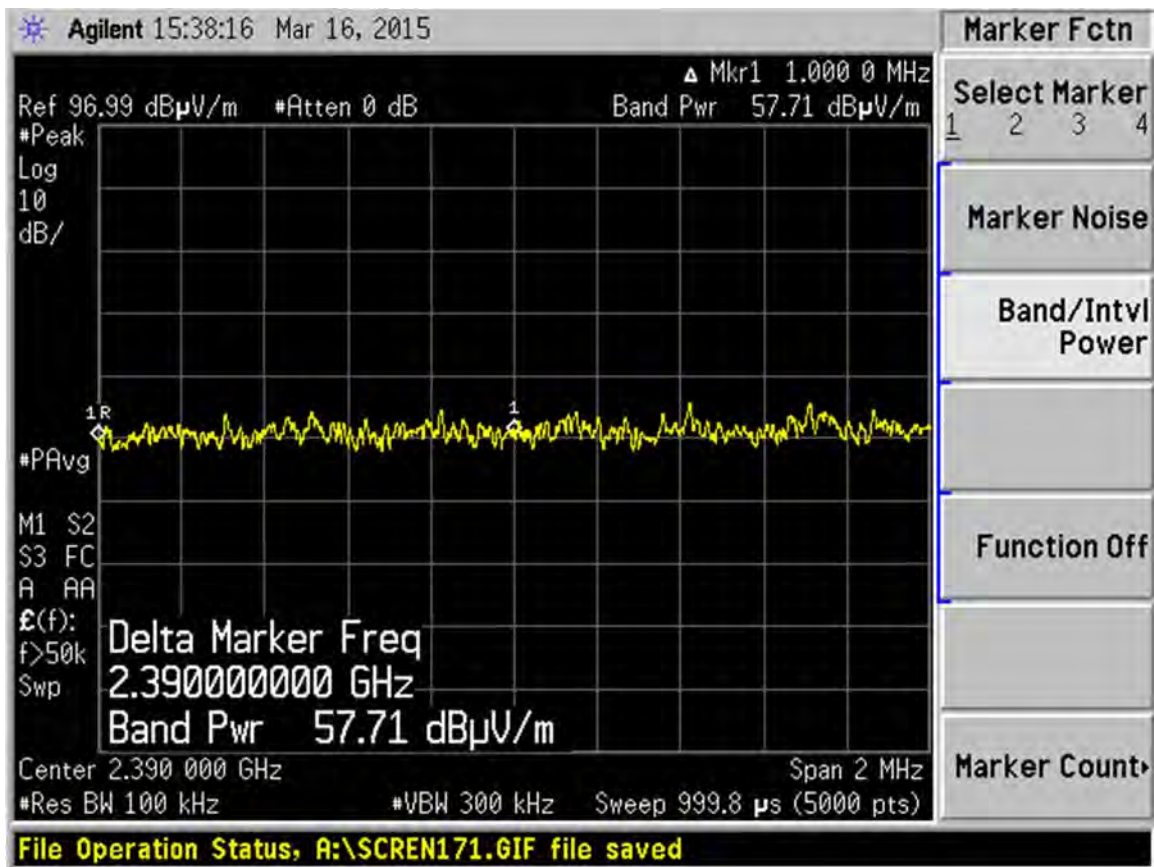


Test Date: 03-16-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2432 MHz, channel 5
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 18

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



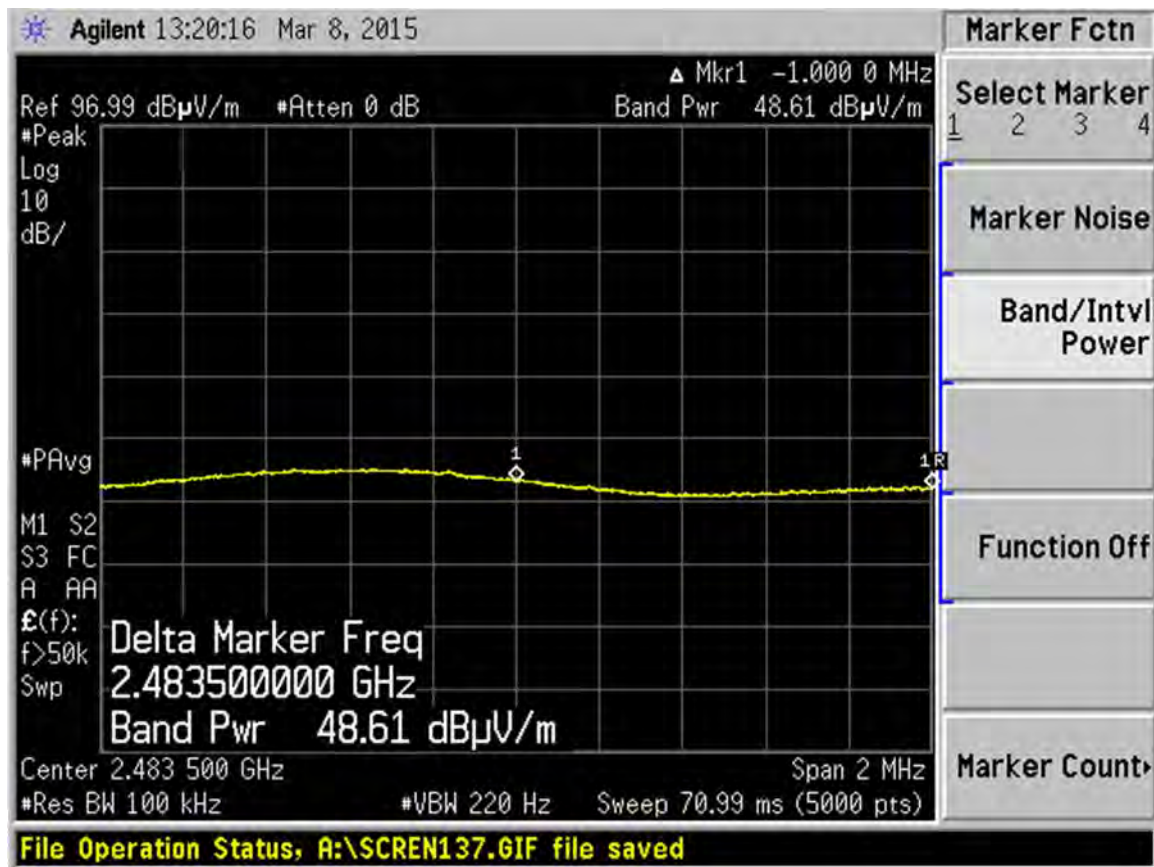
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 1 Mbps
Power setting: 19

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 4.62 mS, VBW = 220 Hz

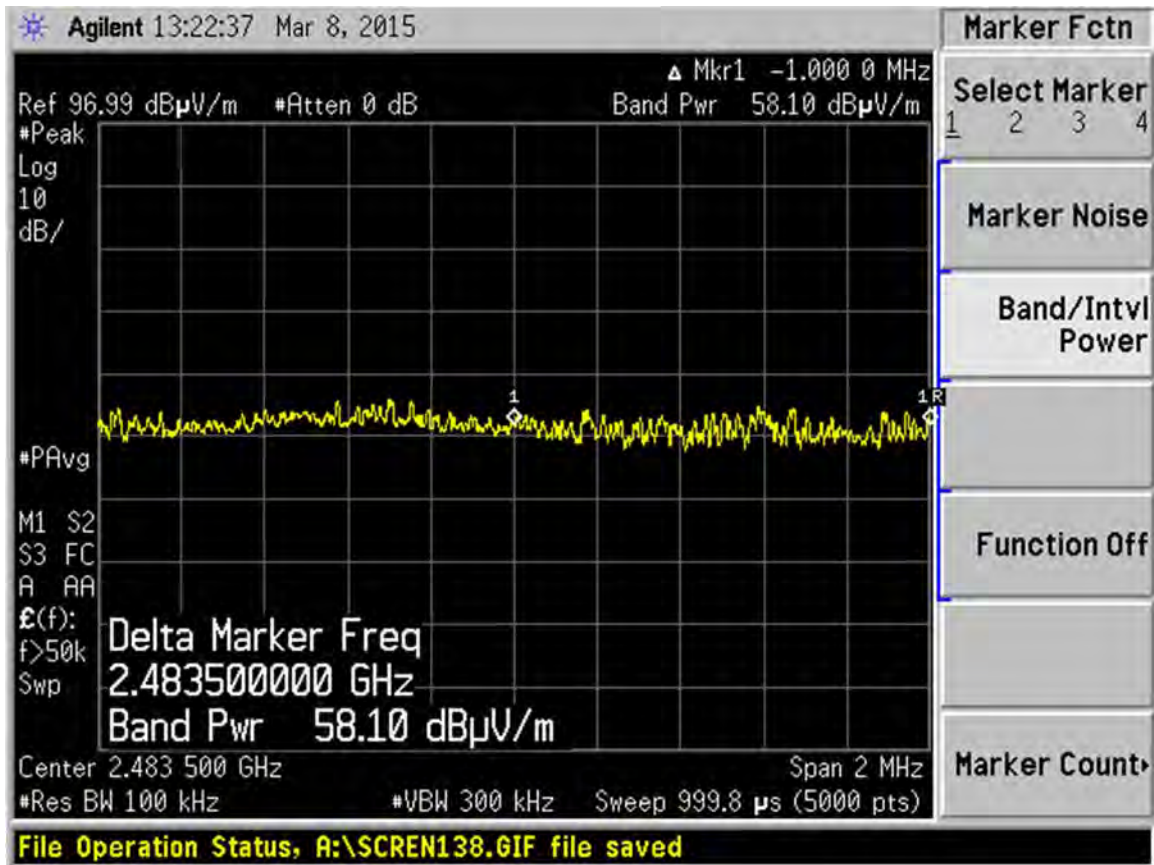


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 1 Mbps
Power setting: 19

HORIZONTAL:

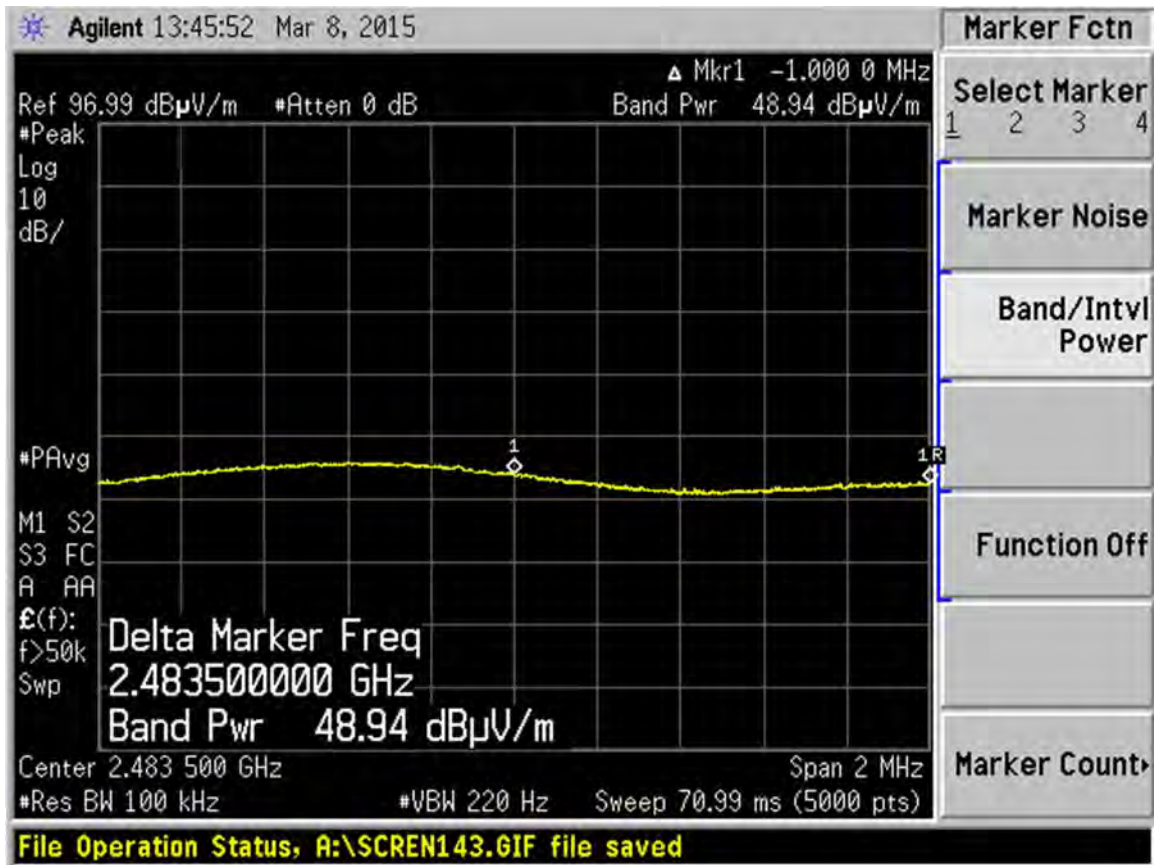
PEAK: Limit = 74 dB μ V/m @ 3 meters



Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 1 Mbps
Power setting: 19

VERTICAL:
AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 4.62 mS, VBW = 220 Hz

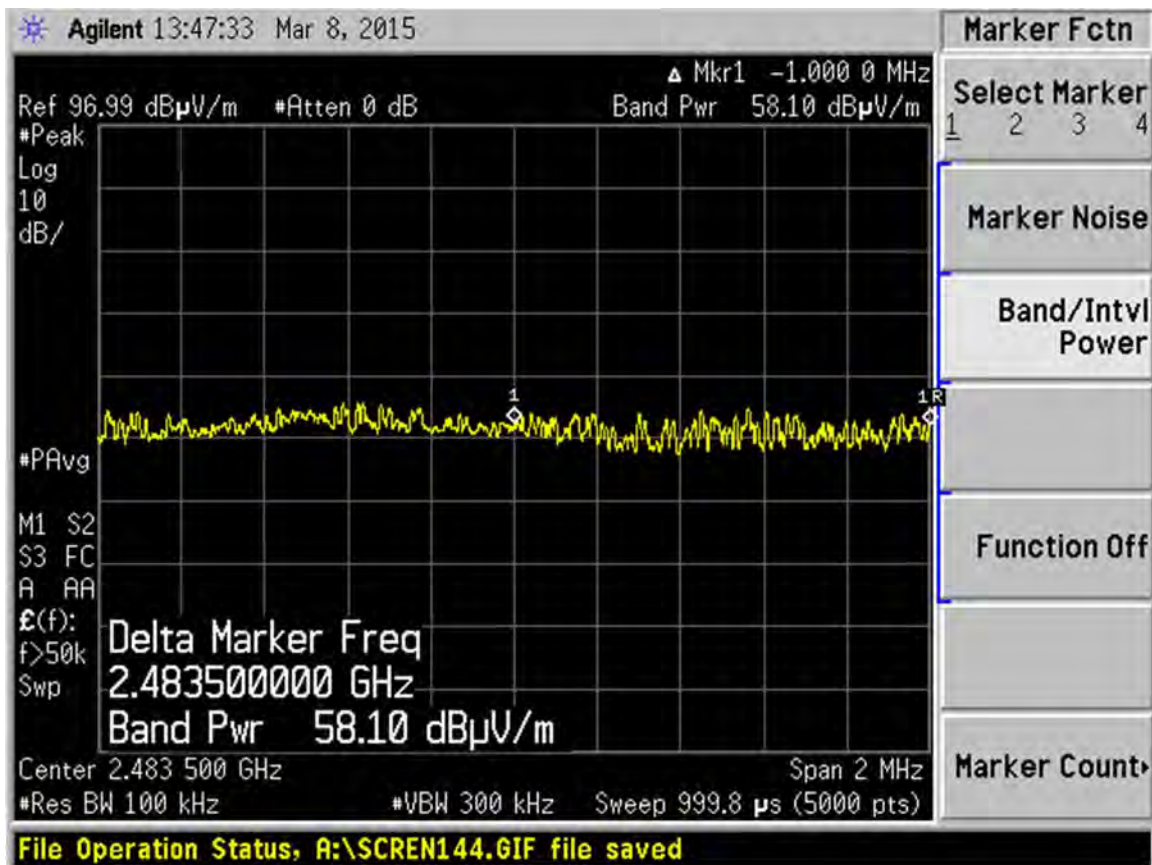


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 1 Mbps
Power setting: 19

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



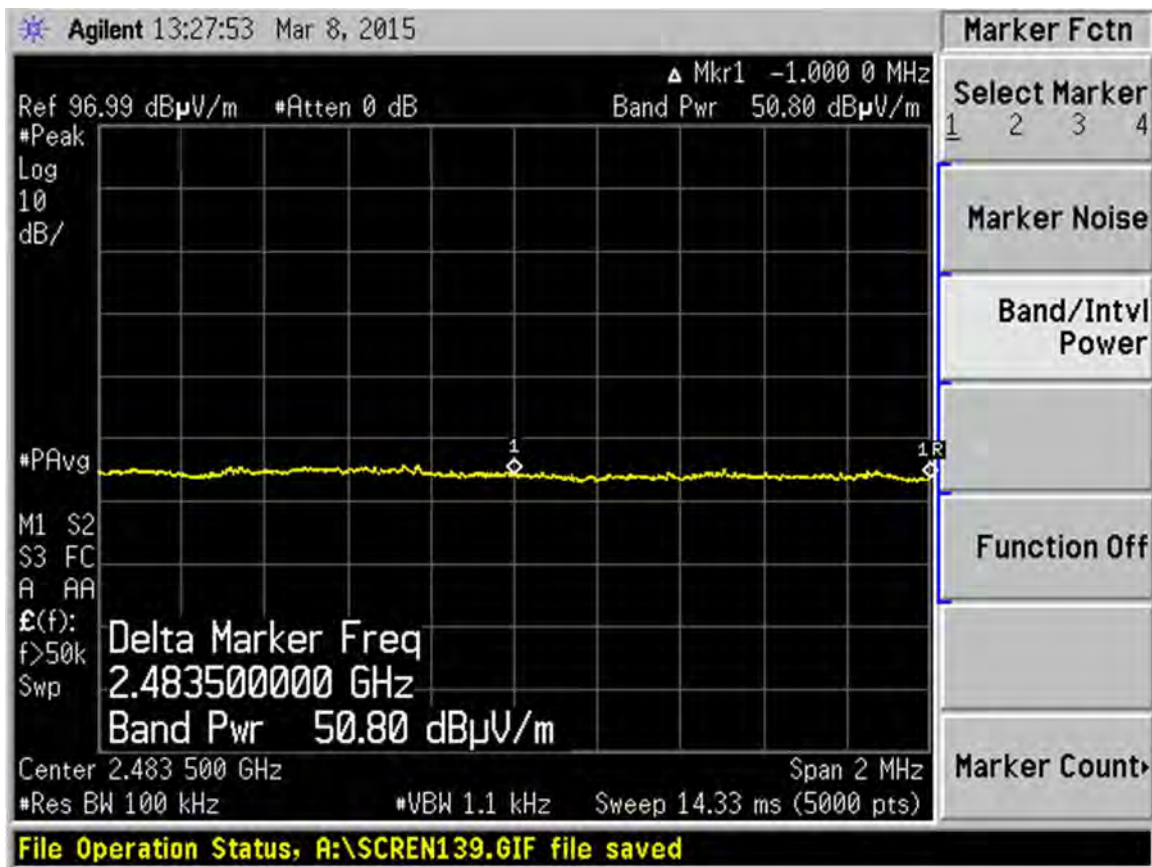
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 11 Mbps
Power setting: 19

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 962 μ S, VBW = 1.1 kHz

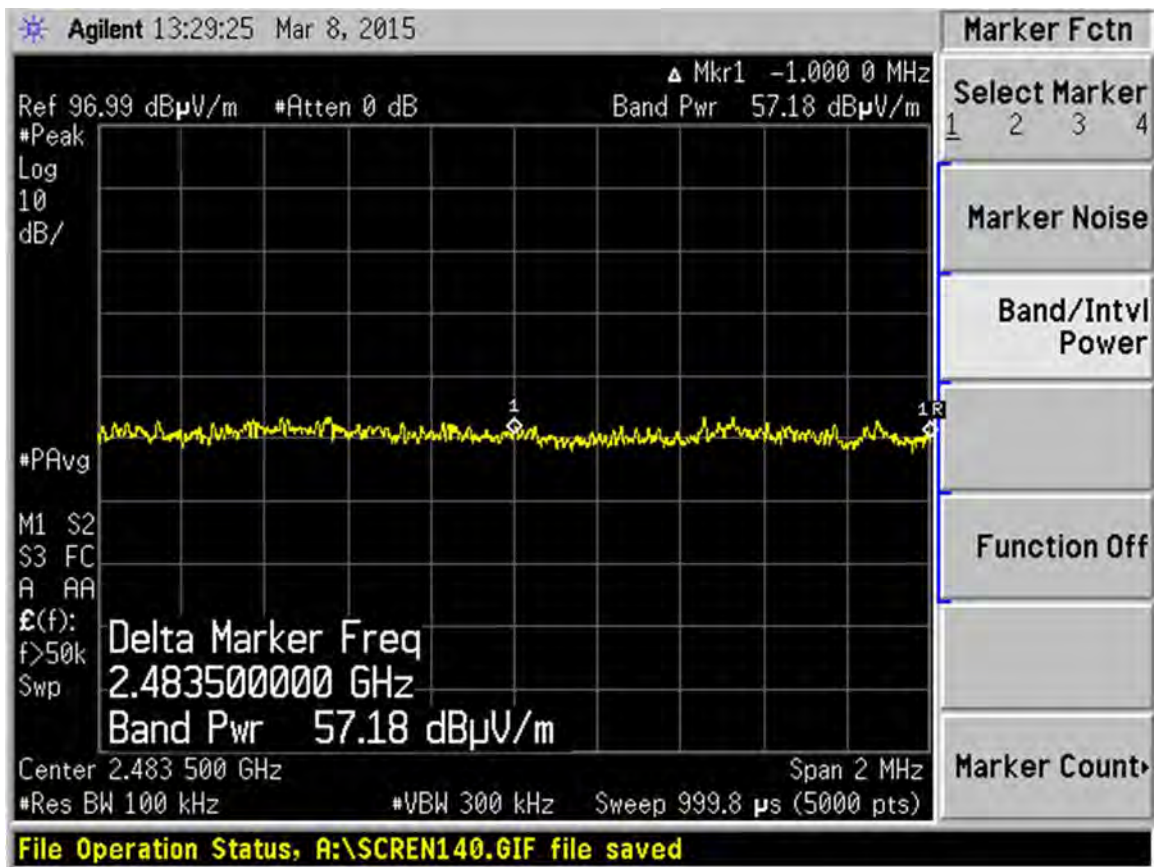


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 11 Mbps
Power setting: 19

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



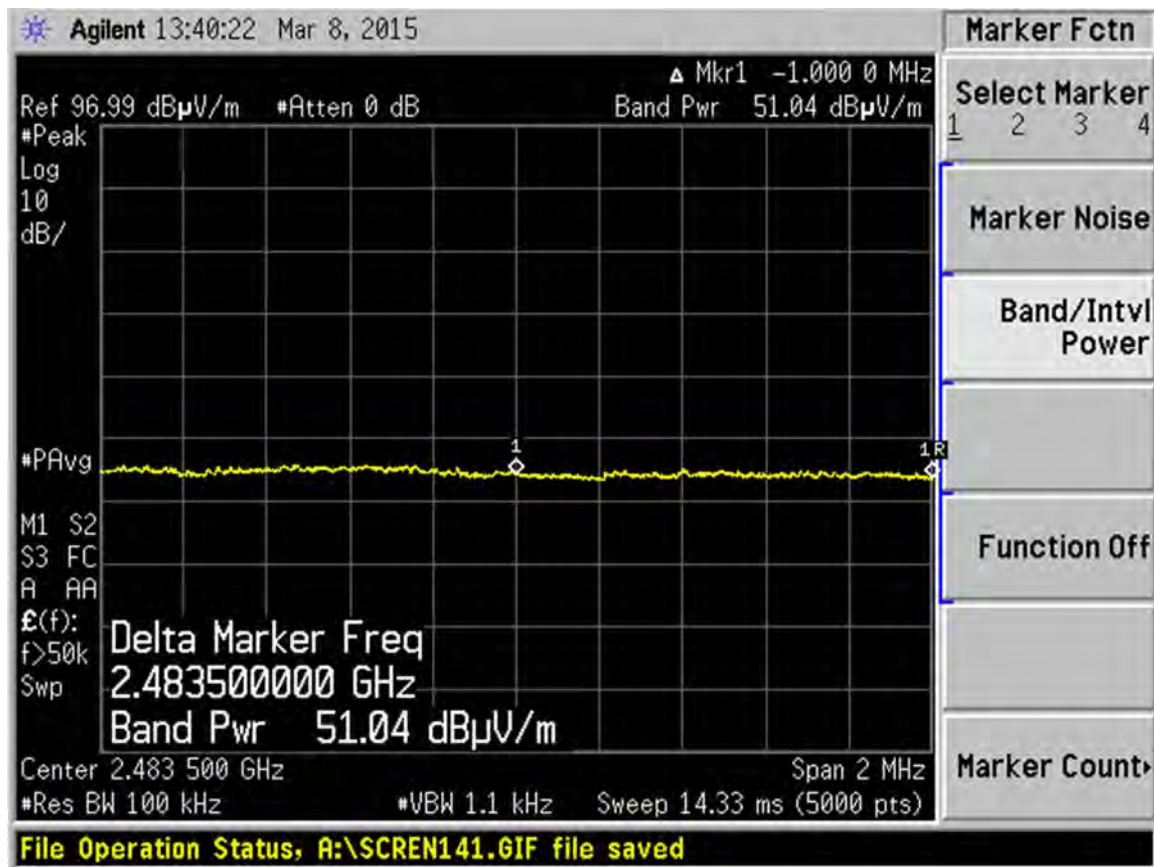
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 11 Mbps
Power setting: 19

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 962 μ S, VBW = 1.1 kHz

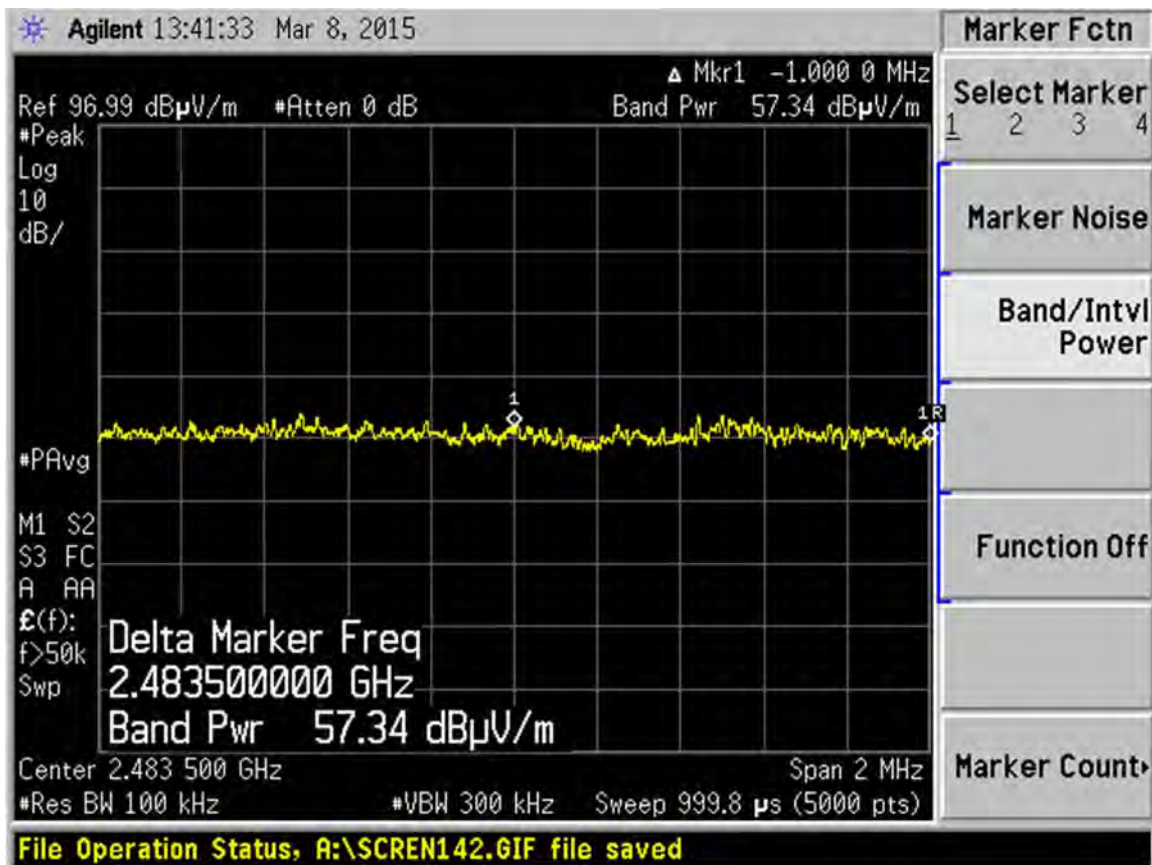


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 11 Mbps
Power setting: 19

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters

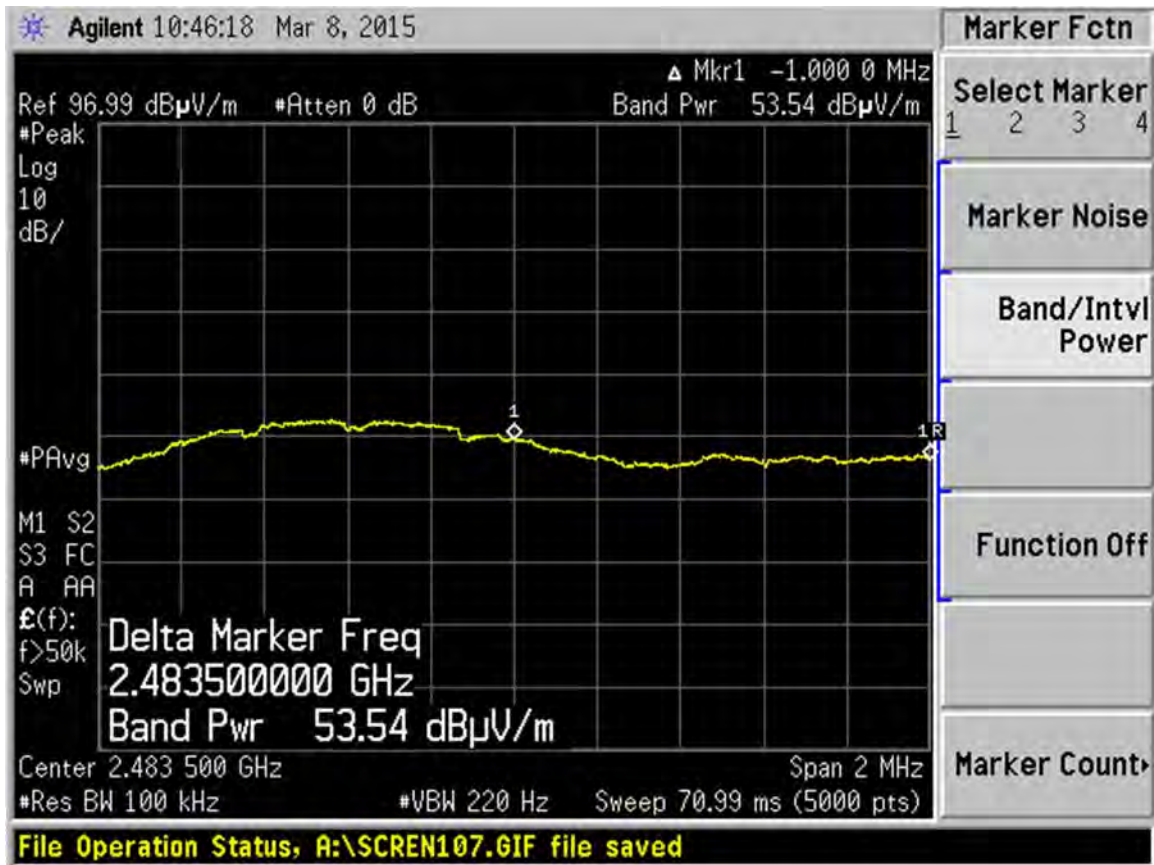


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 1 Mbps
Power setting: 19

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 4.62 mS, VBW = 220 Hz

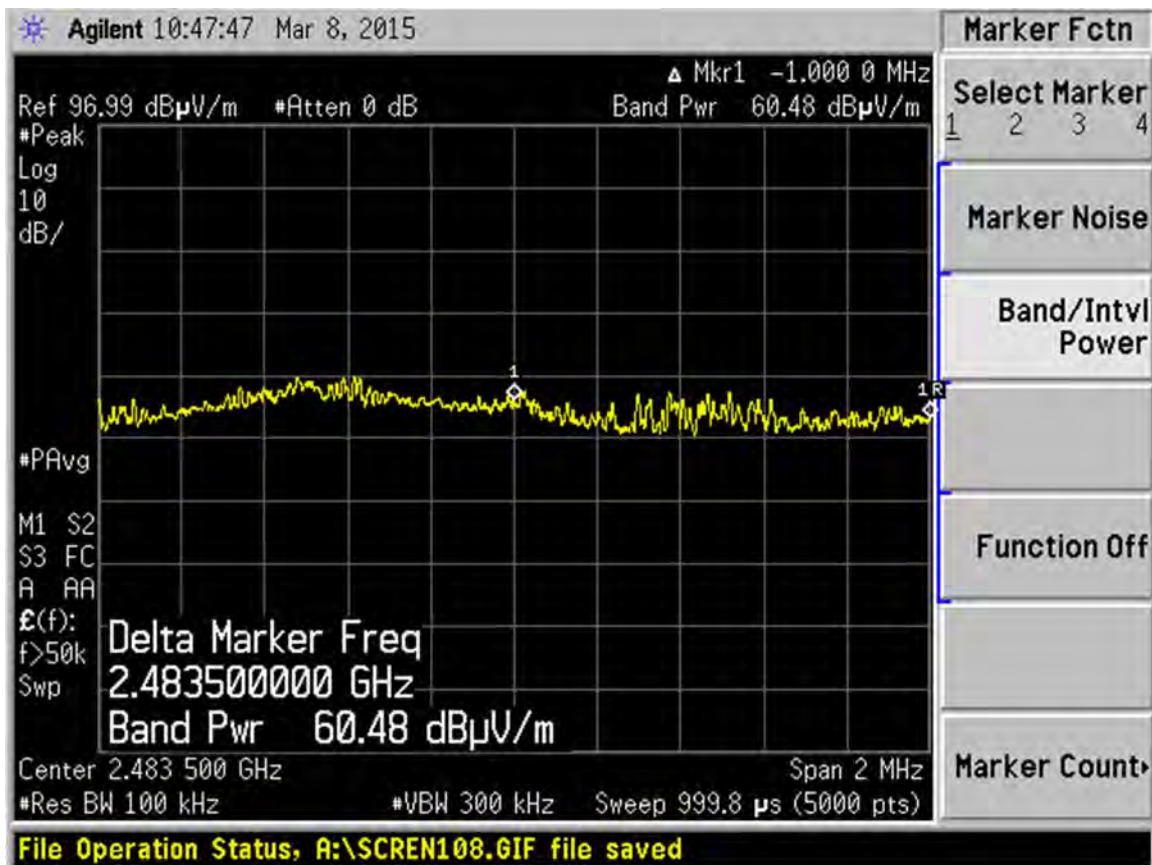


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 1 Mbps
Power setting: 19

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



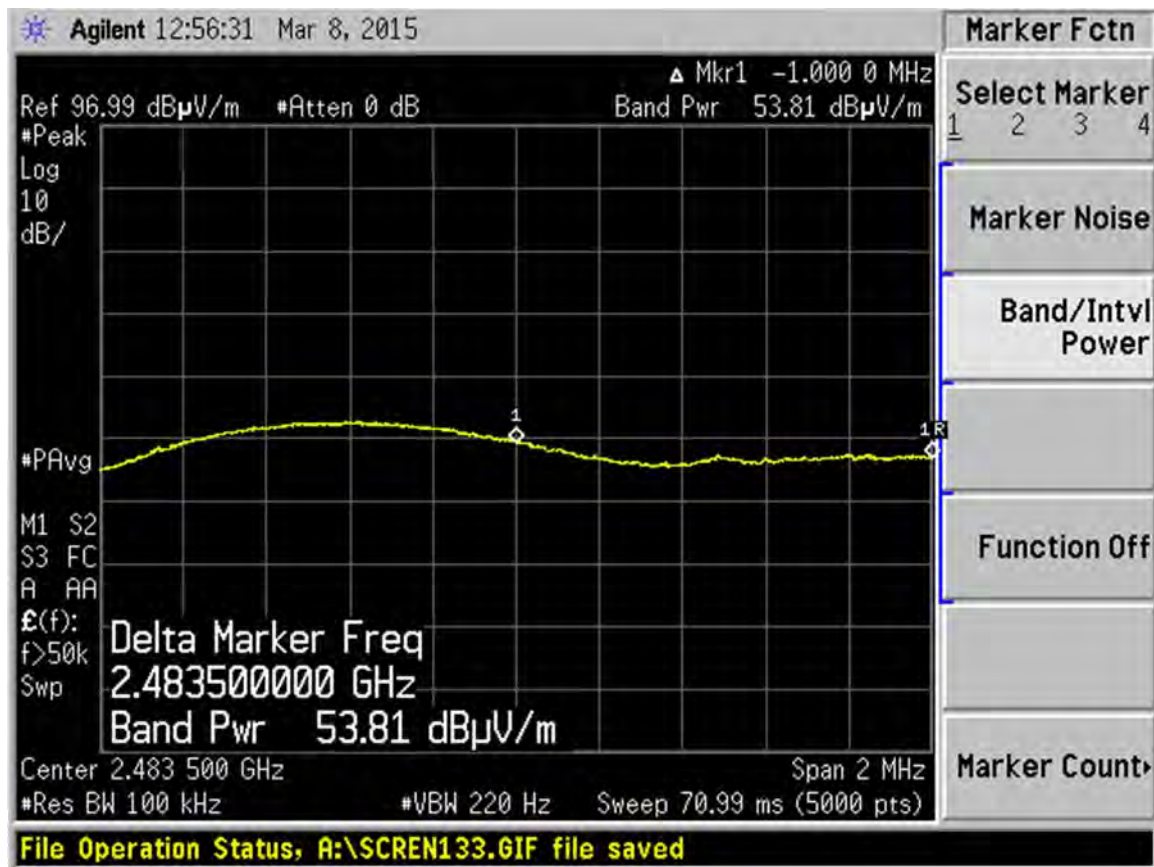
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 1 Mbps
Power setting: 19

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 4.62 mS, VBW = 220 Hz

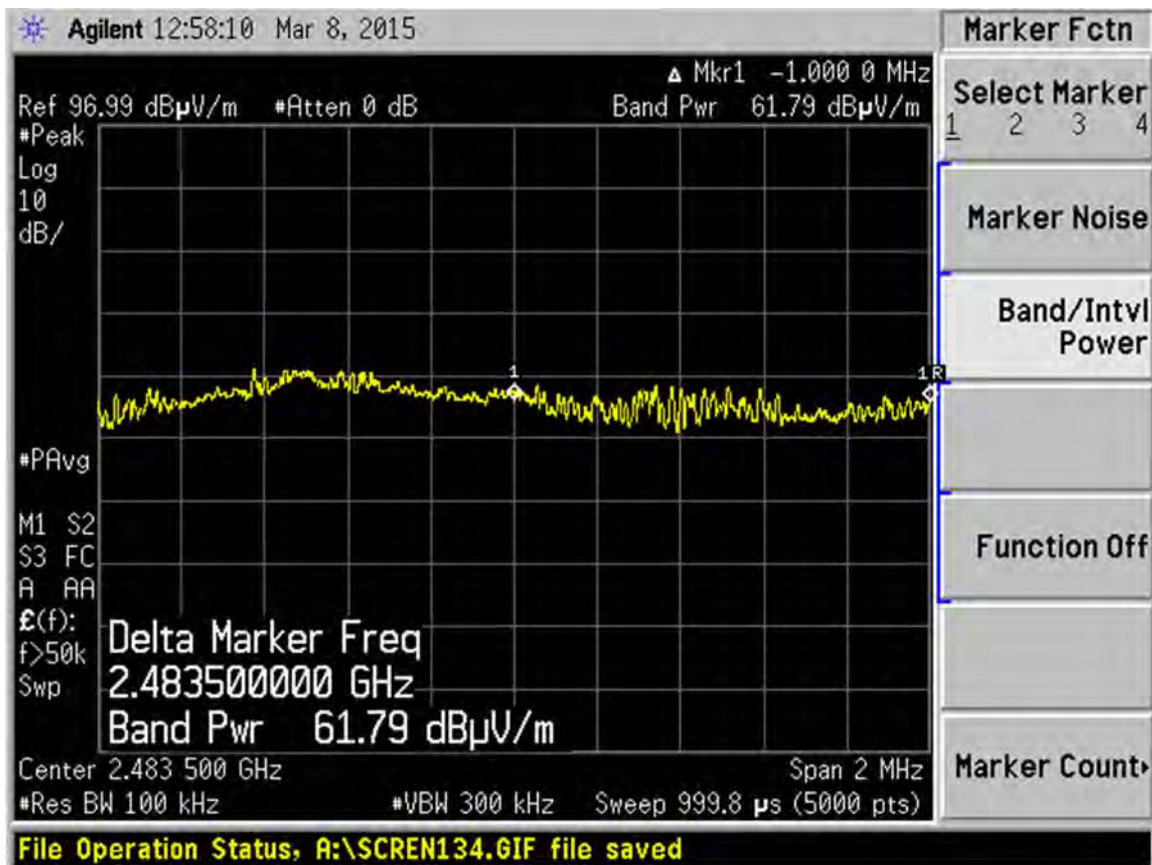


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 1 Mbps
Power setting: 19

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters

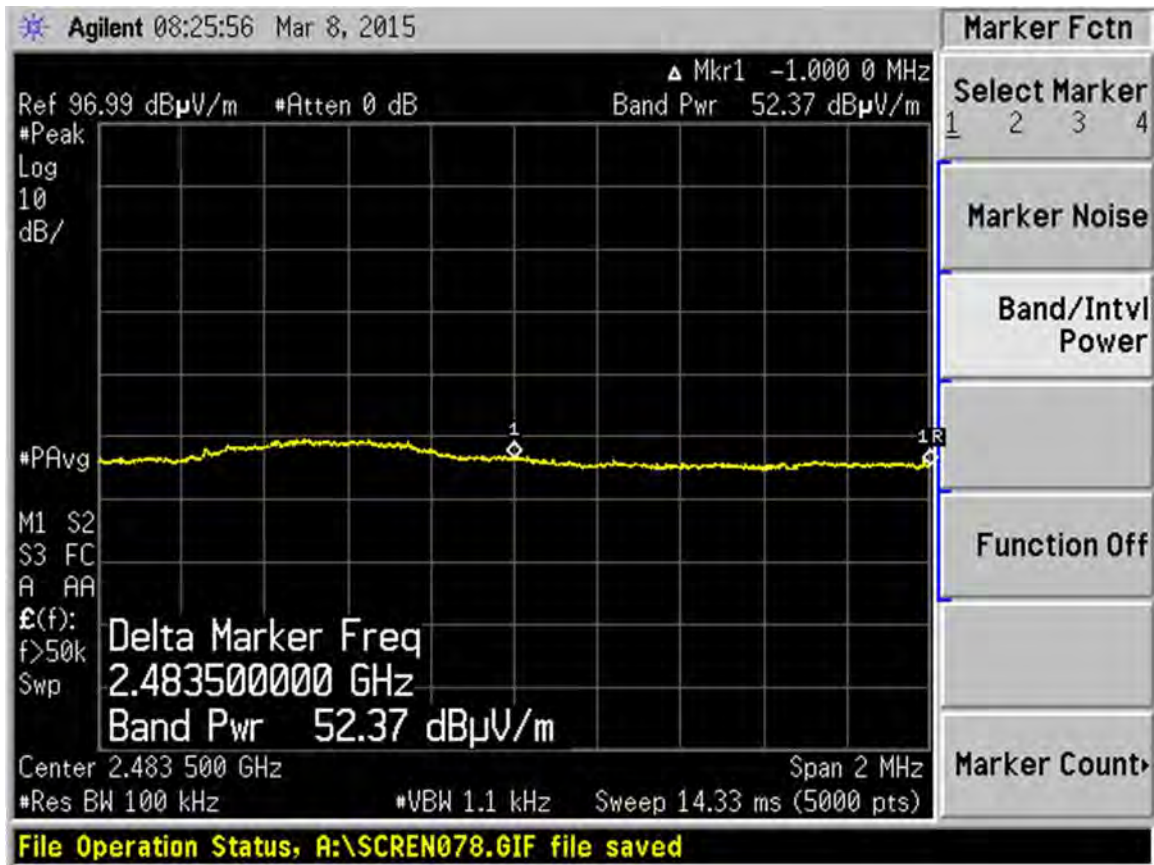


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 11 Mbps
Power setting: 19

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 962 μ s, VBW = 1.1 kHz

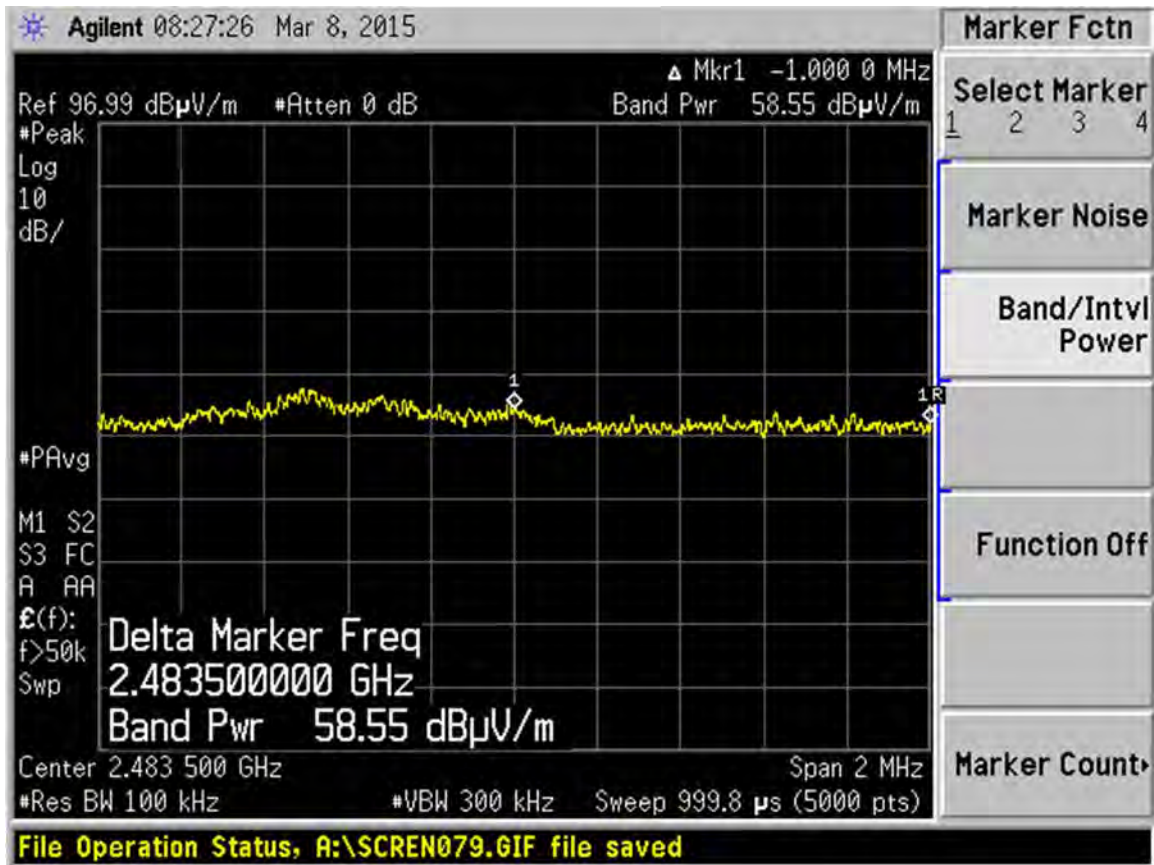


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 11 Mbps
Power setting: 19

HORIZONTAL:

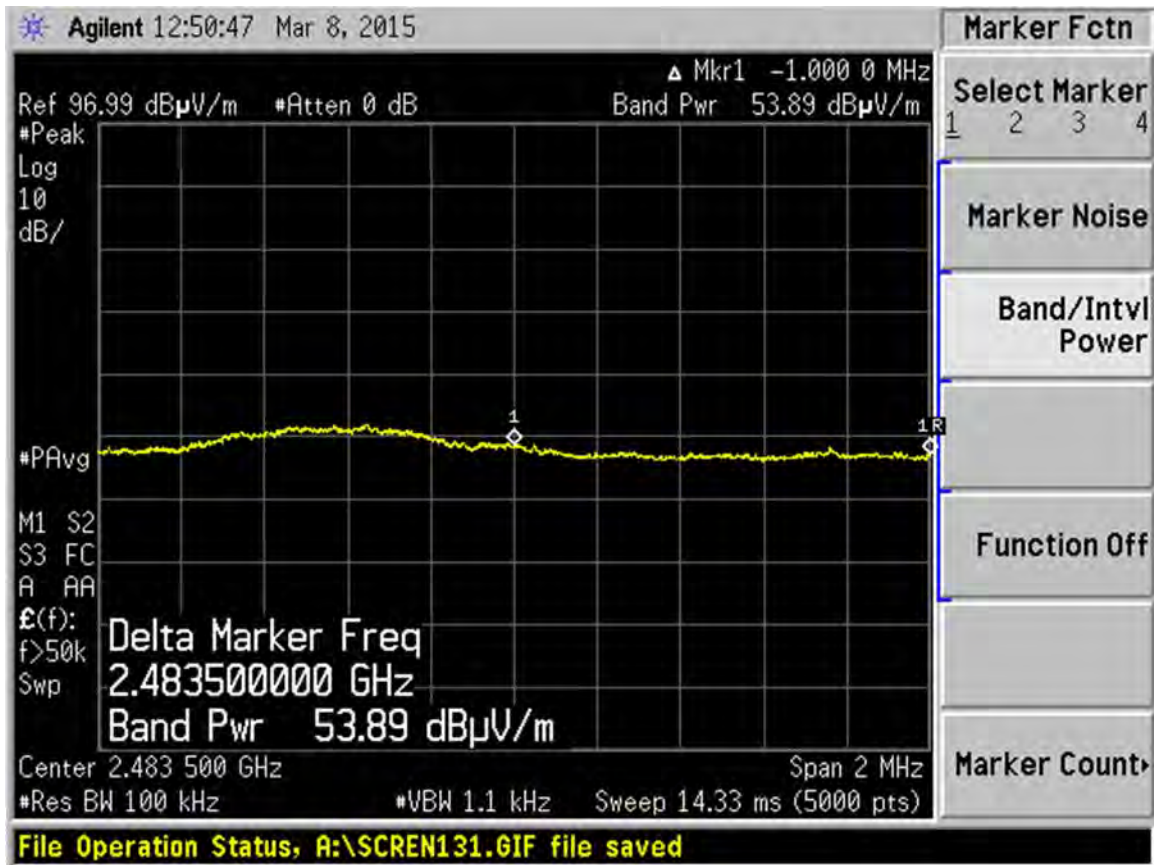
PEAK: Limit = 74 dB μ V/m @ 3 meters



Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 11 Mbps
Power setting: 19

VERTICAL:
AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 962 μ S, VBW = 1.1 kHz

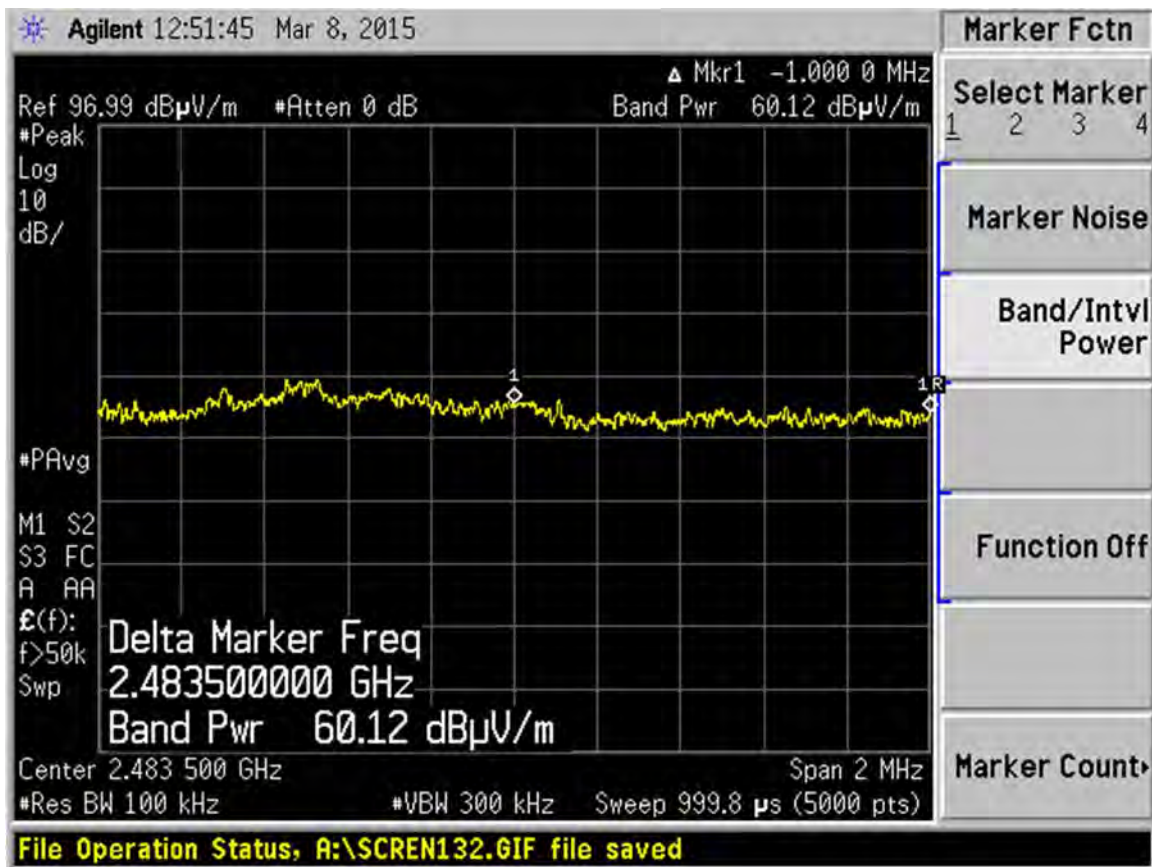


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, DSSS, 11 Mbps
Power setting: 19

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters

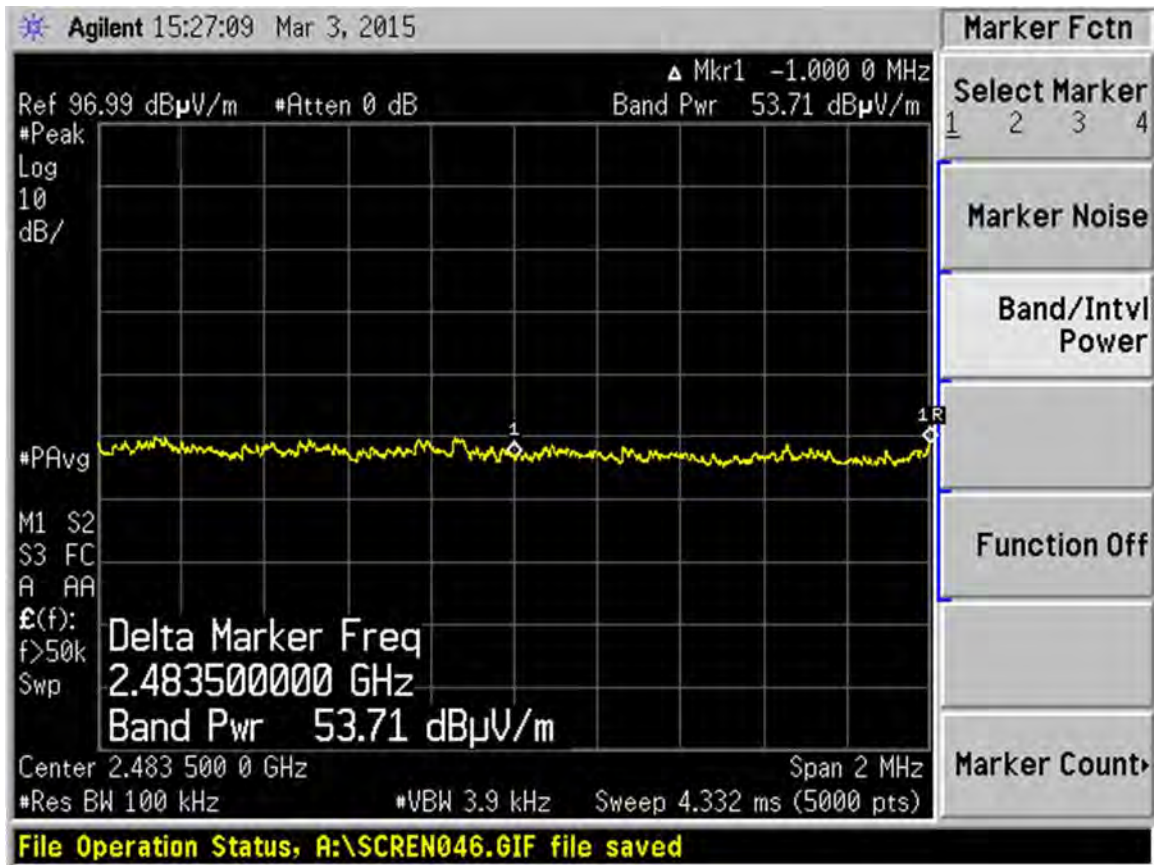


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2447 MHz, channel 8
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 18

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 260 μ s, VBW = 3.9 kHz

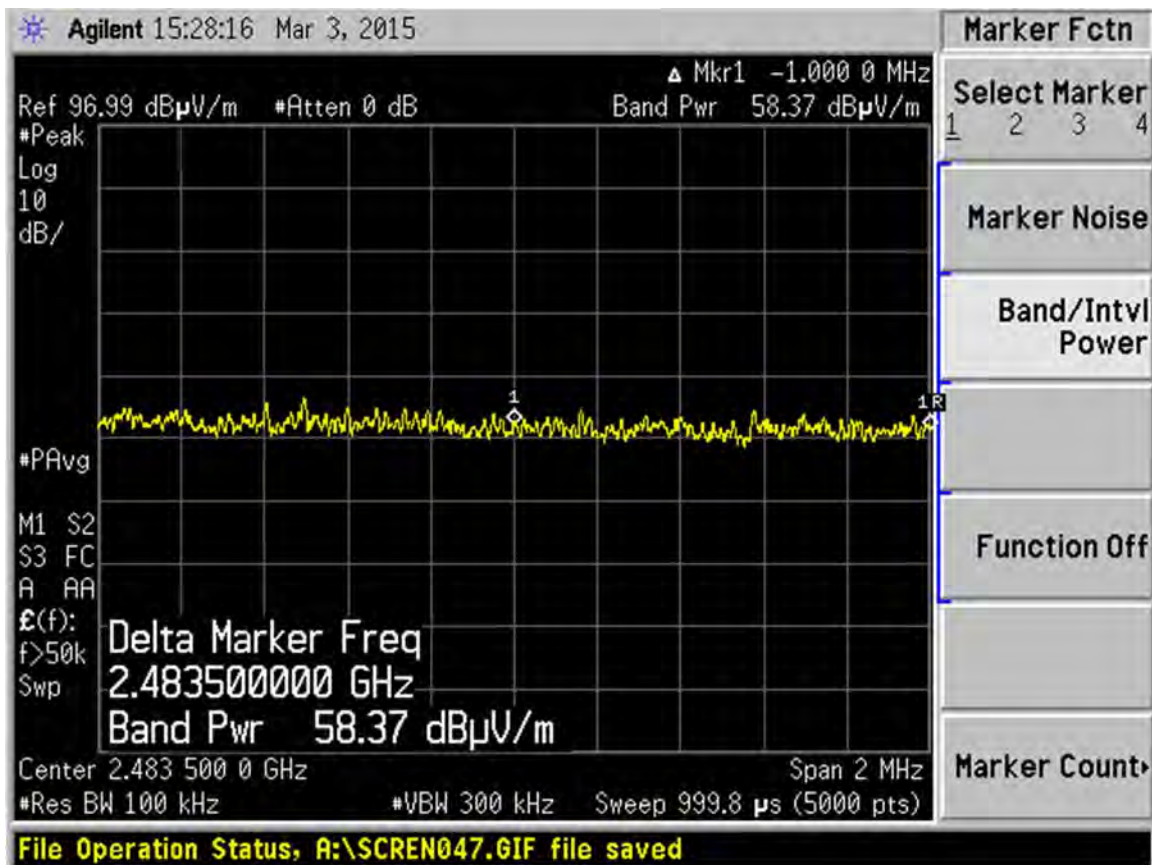


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2447 MHz, channel 8
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 18

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



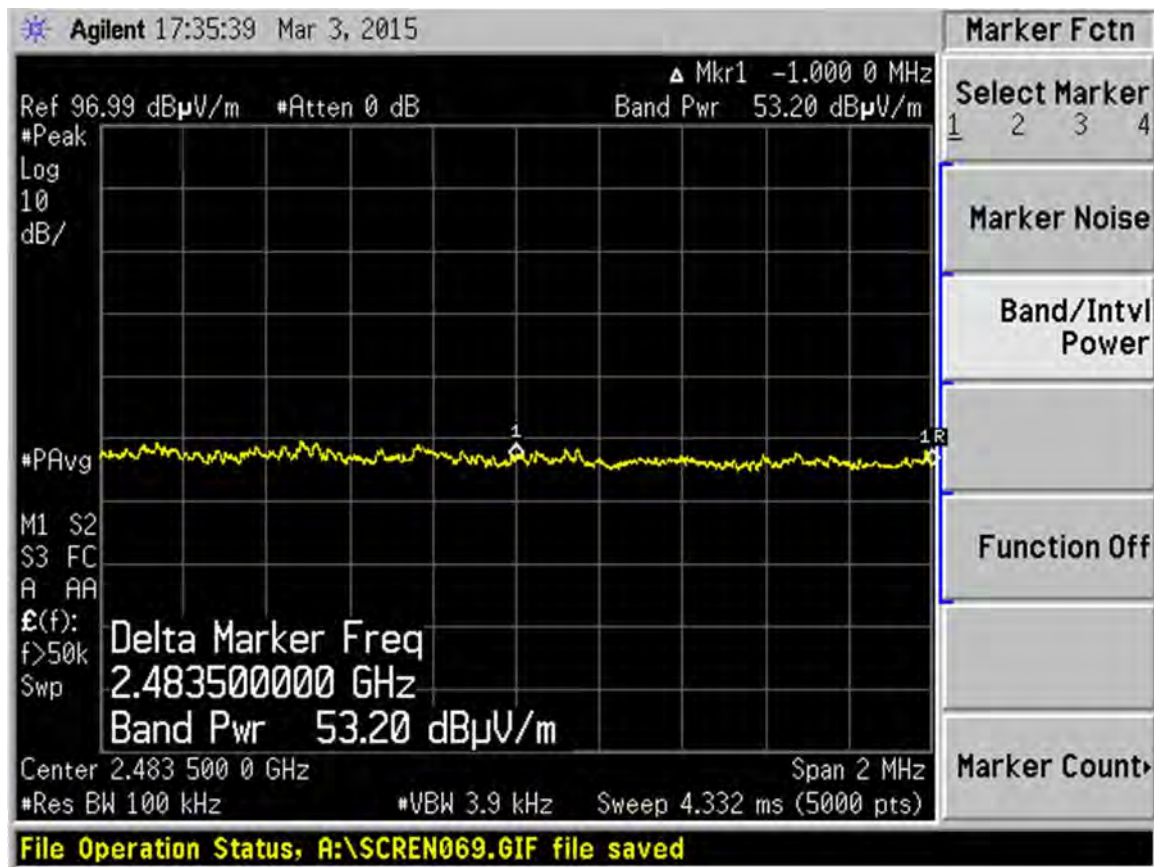
Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2447 MHz, channel 8
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 18

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ S, VBW = 3.9 kHz

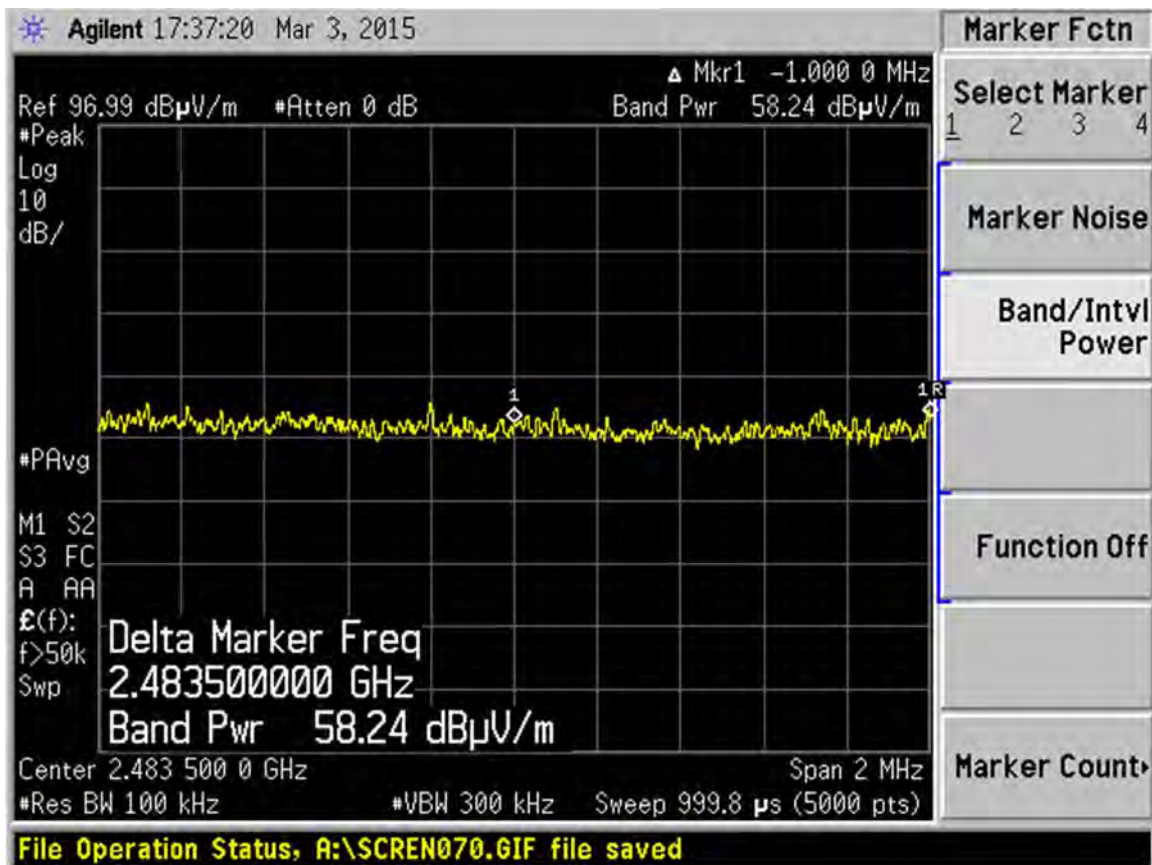


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2447 MHz, channel 8
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 18

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters

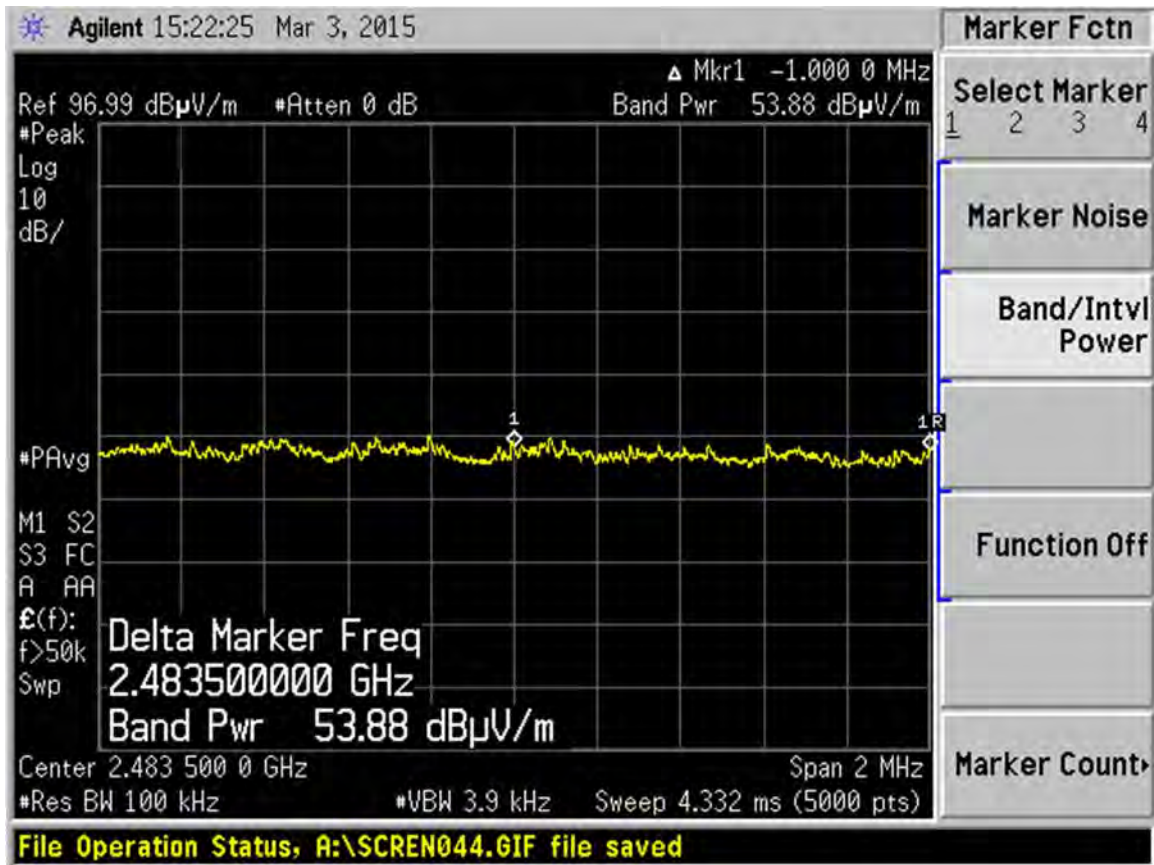


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2452 MHz, channel 9
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 16

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 260 μ S, VBW = 3.9 kHz

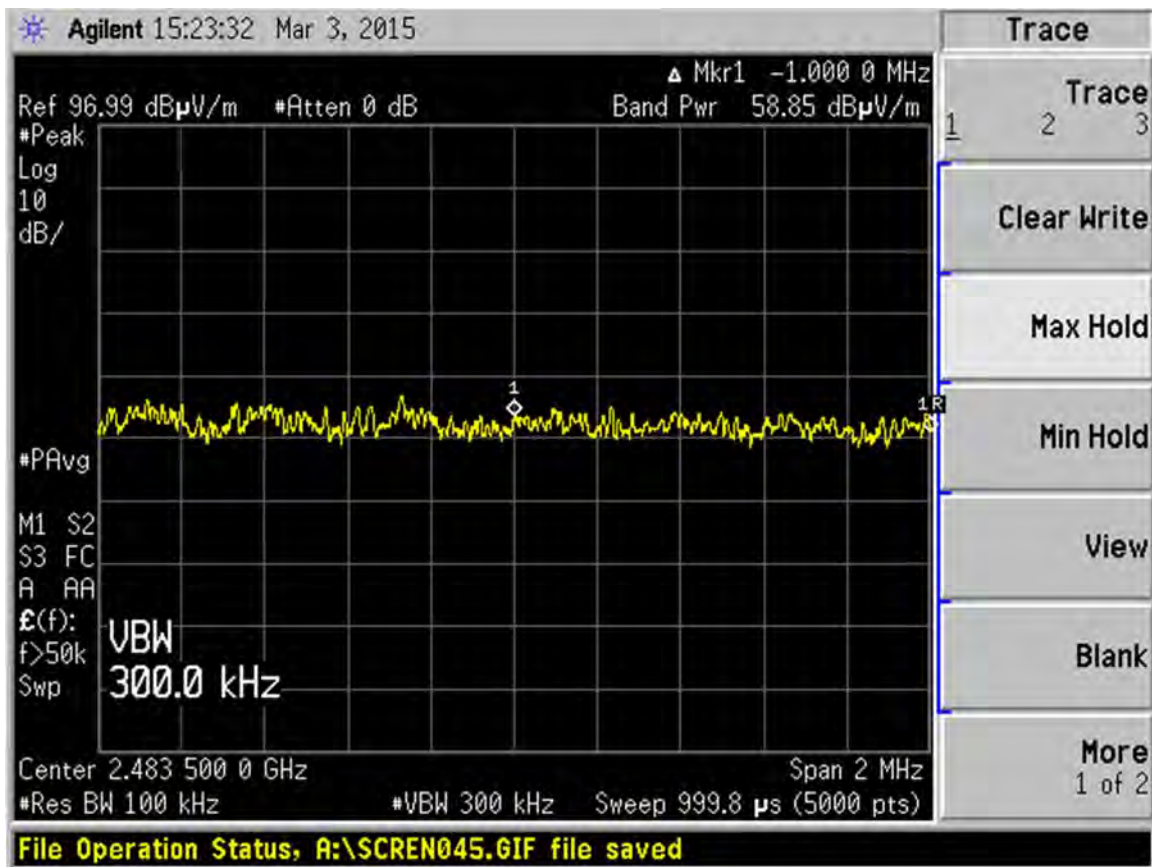


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2452 MHz, channel 9
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 16

HORIZONTAL:

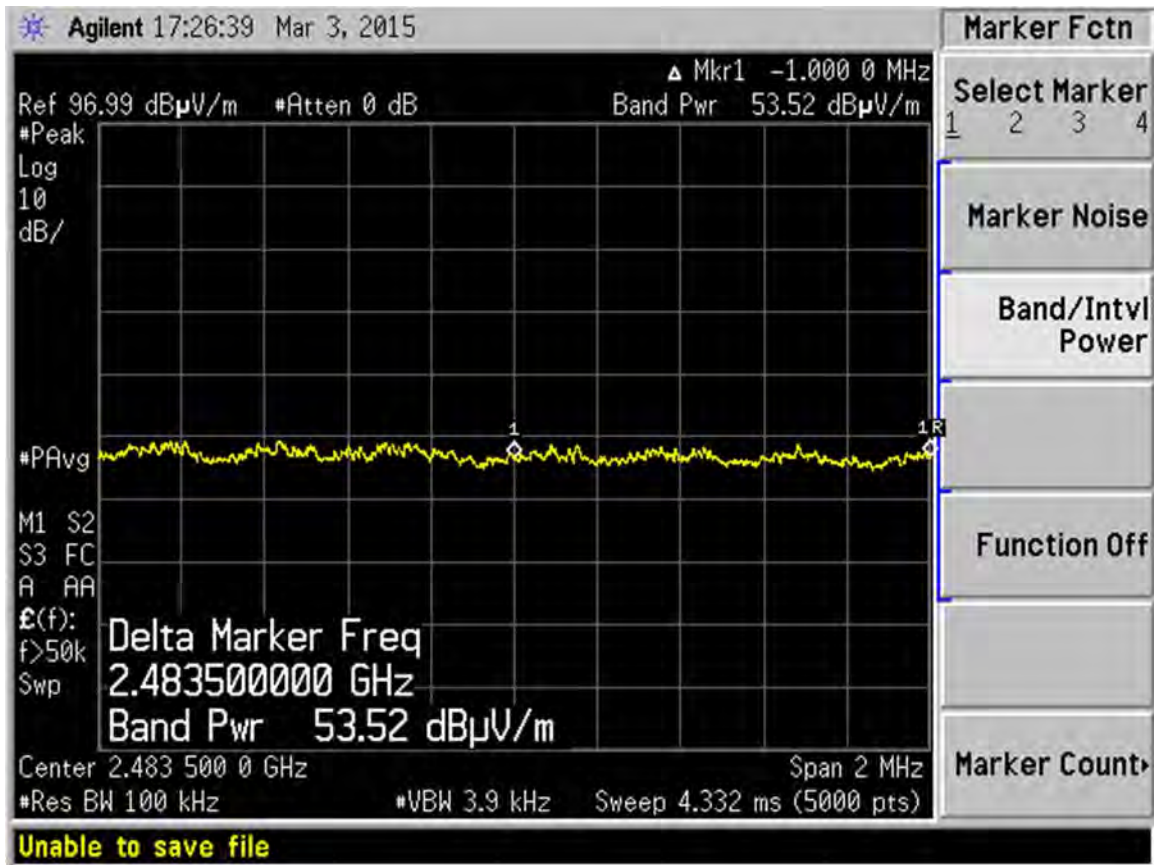
PEAK: Limit = 74 dB μ V/m @ 3 meters



Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2452 MHz, channel 9
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 16

VERTICAL:
AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 260 μ S, VBW = 3.9 kHz

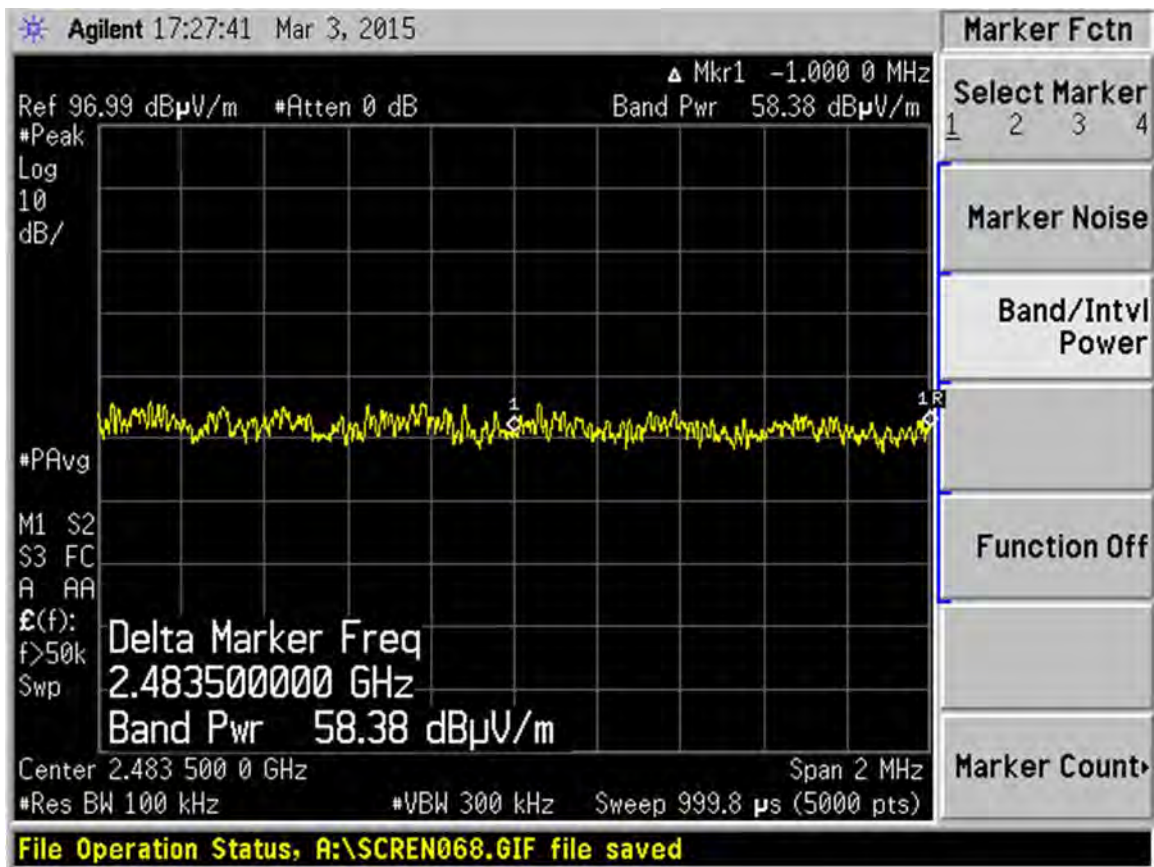


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2452 MHz, channel 9
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 16

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



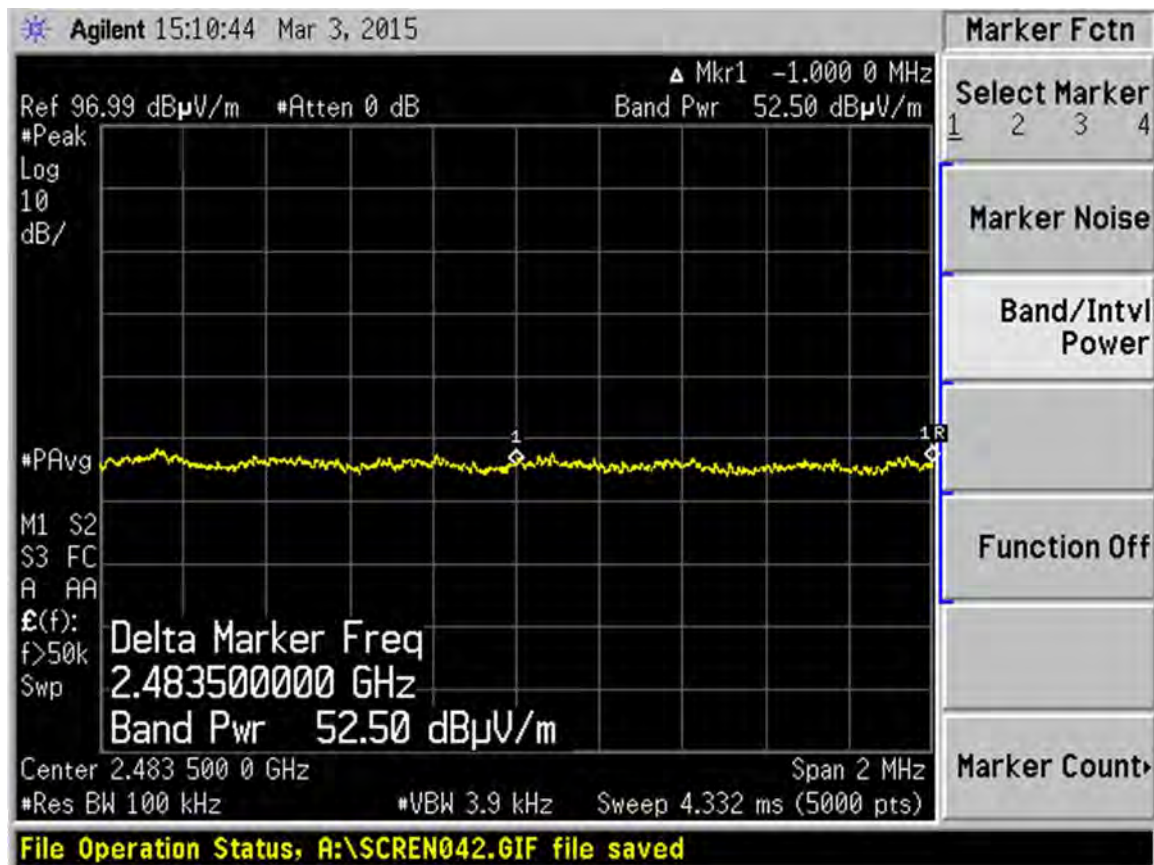
Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2457 MHz, channel 10
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 15

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ S, VBW = 3.9 kHz

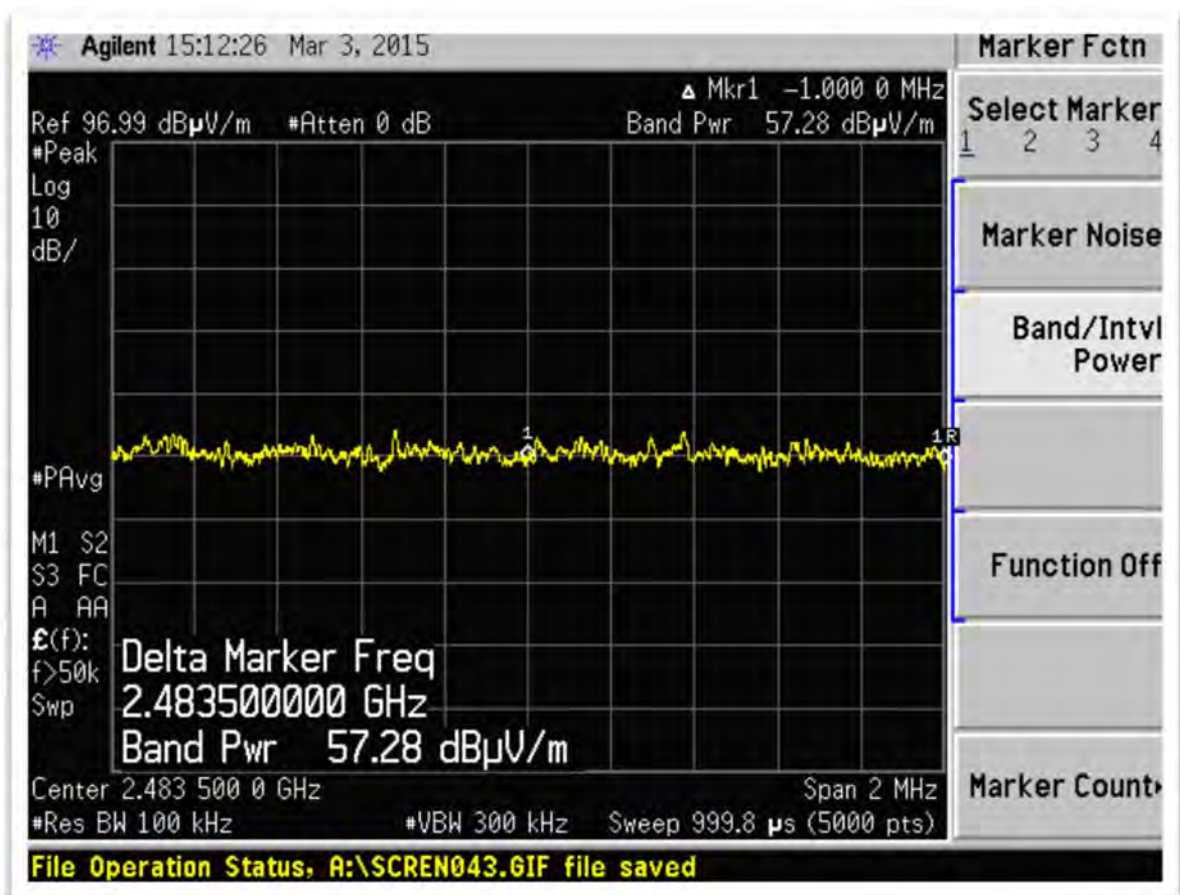


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2457 MHz, channel 10
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 15

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



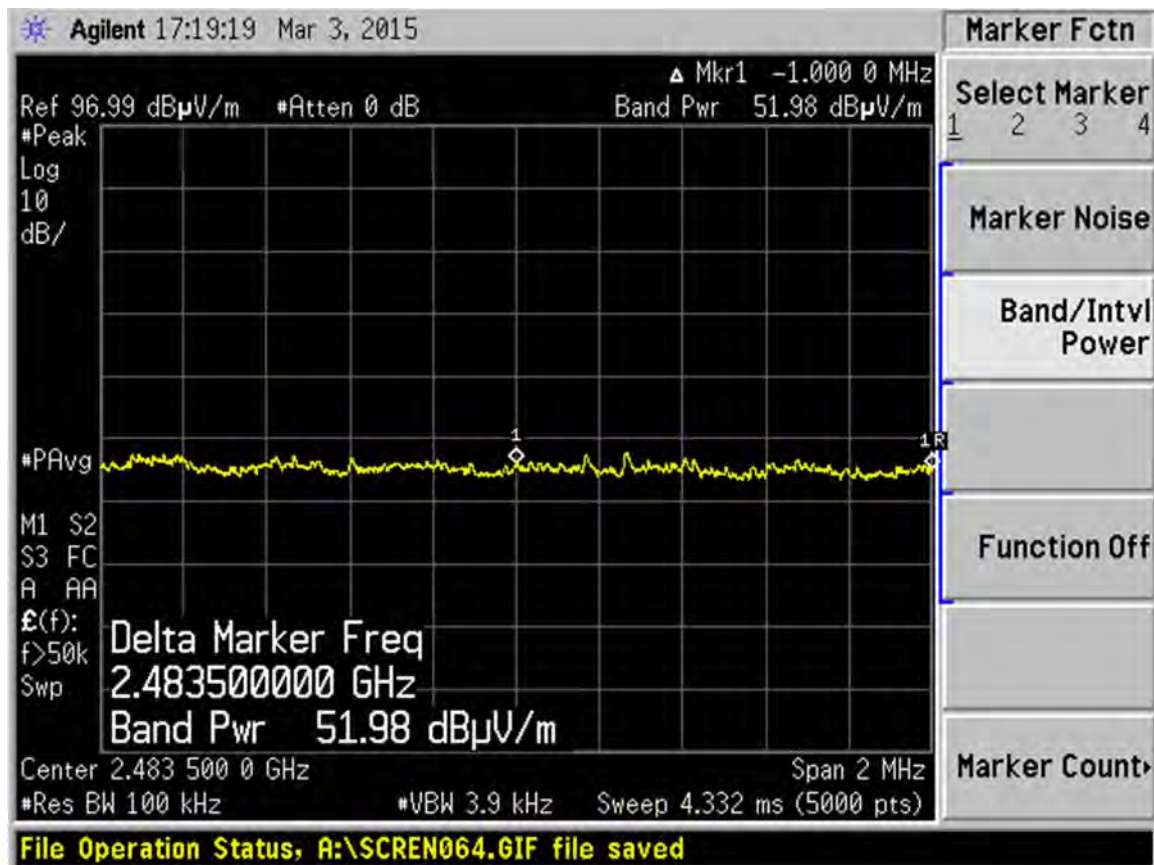
Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2457 MHz, channel 10
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 15

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ S, VBW = 3.9 kHz

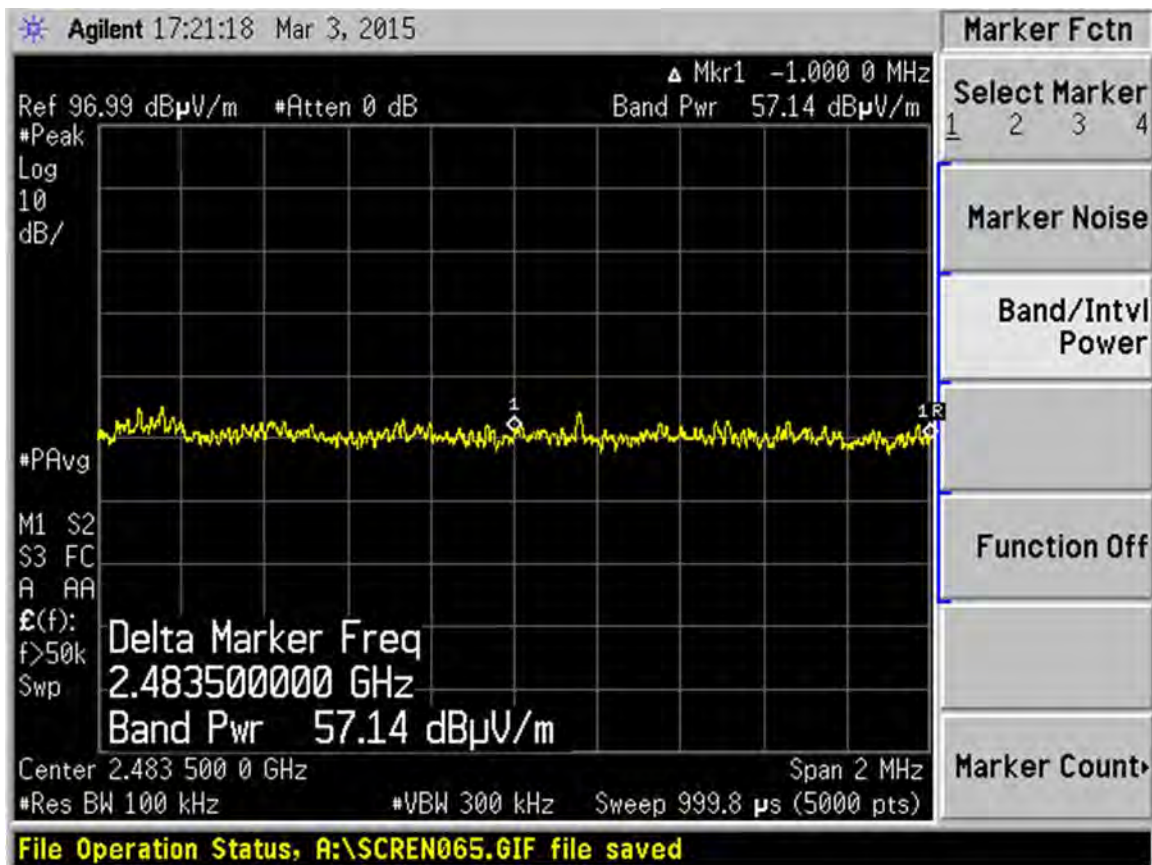


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2457 MHz, channel 10
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 15

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



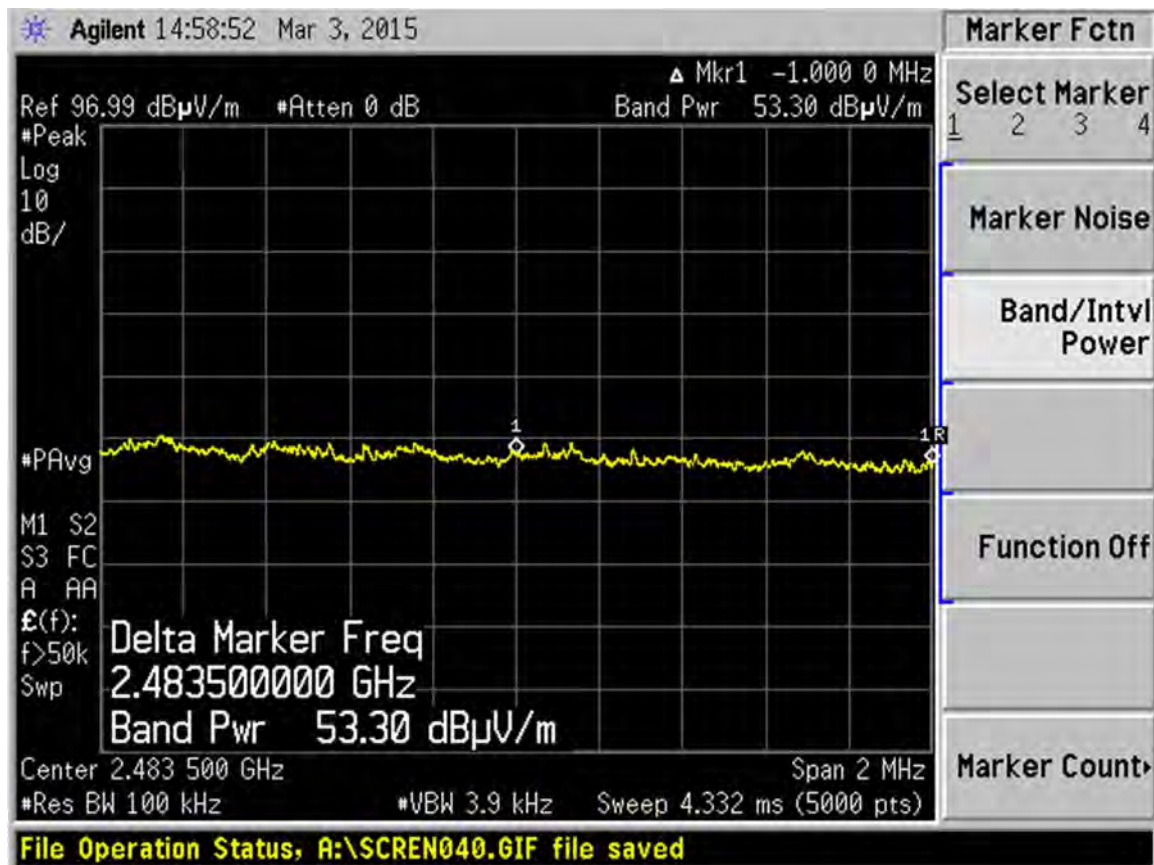
Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 11

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ S, VBW = 3.9 kHz

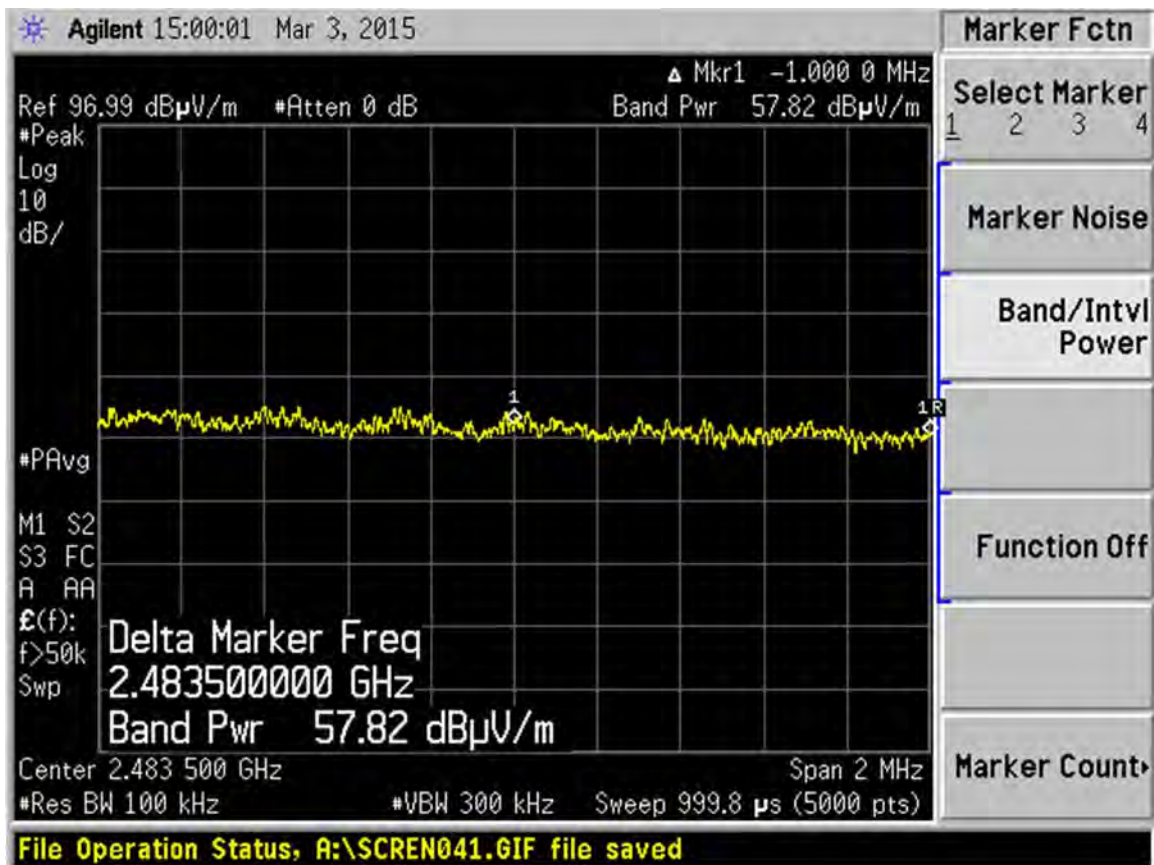


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 11

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



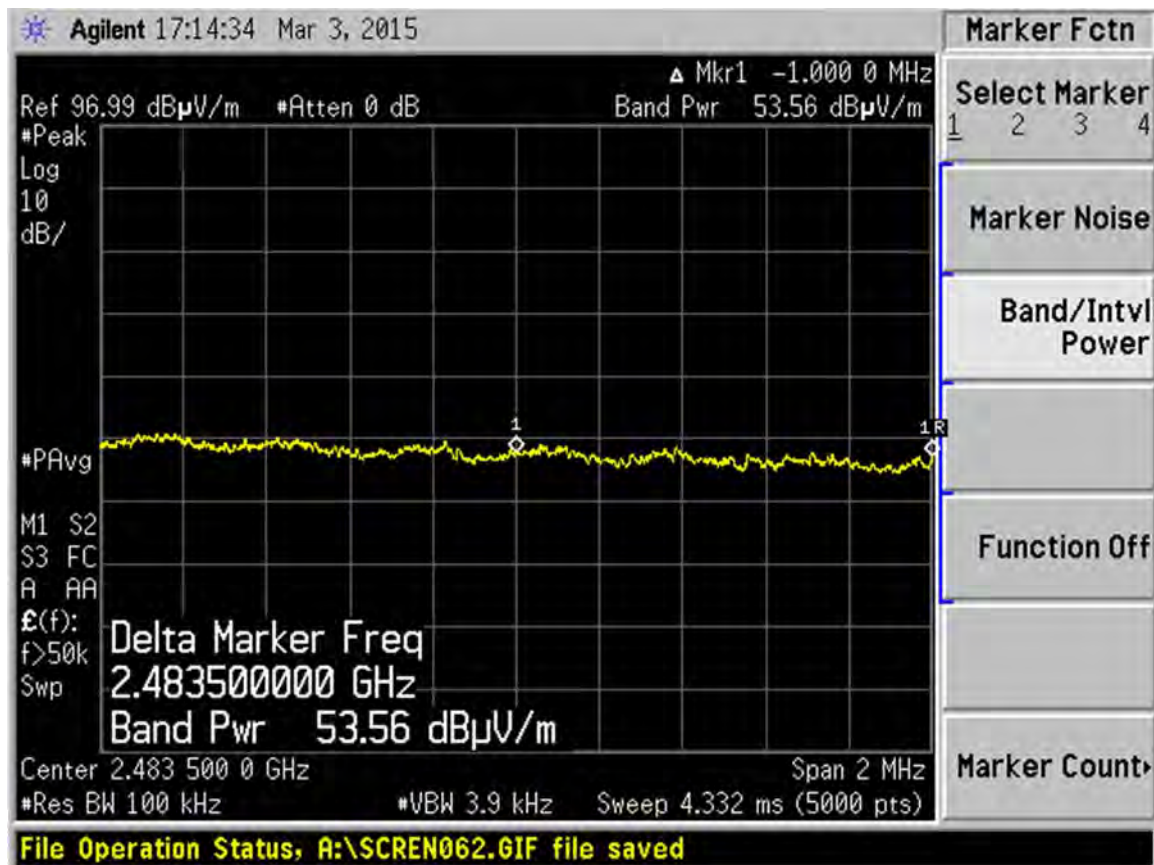
Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 11

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ S, VBW = 3.9 kHz

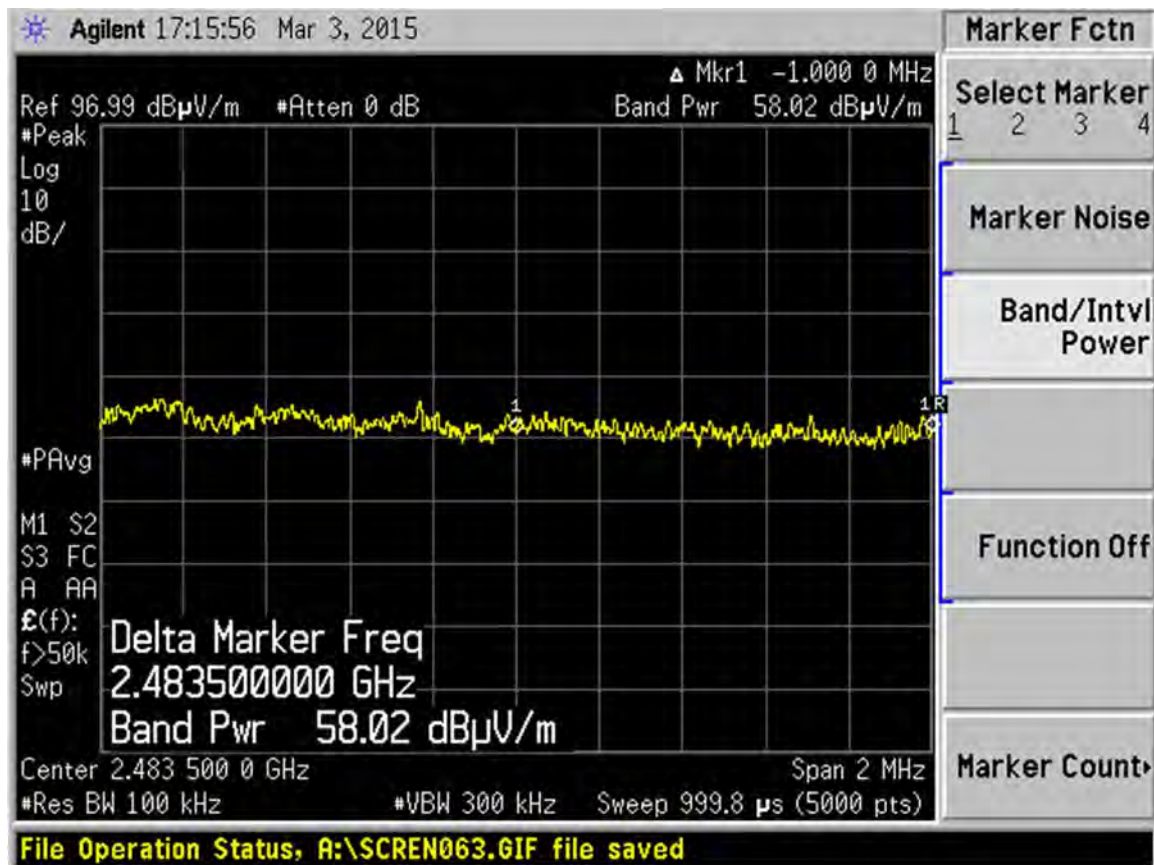


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 11

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



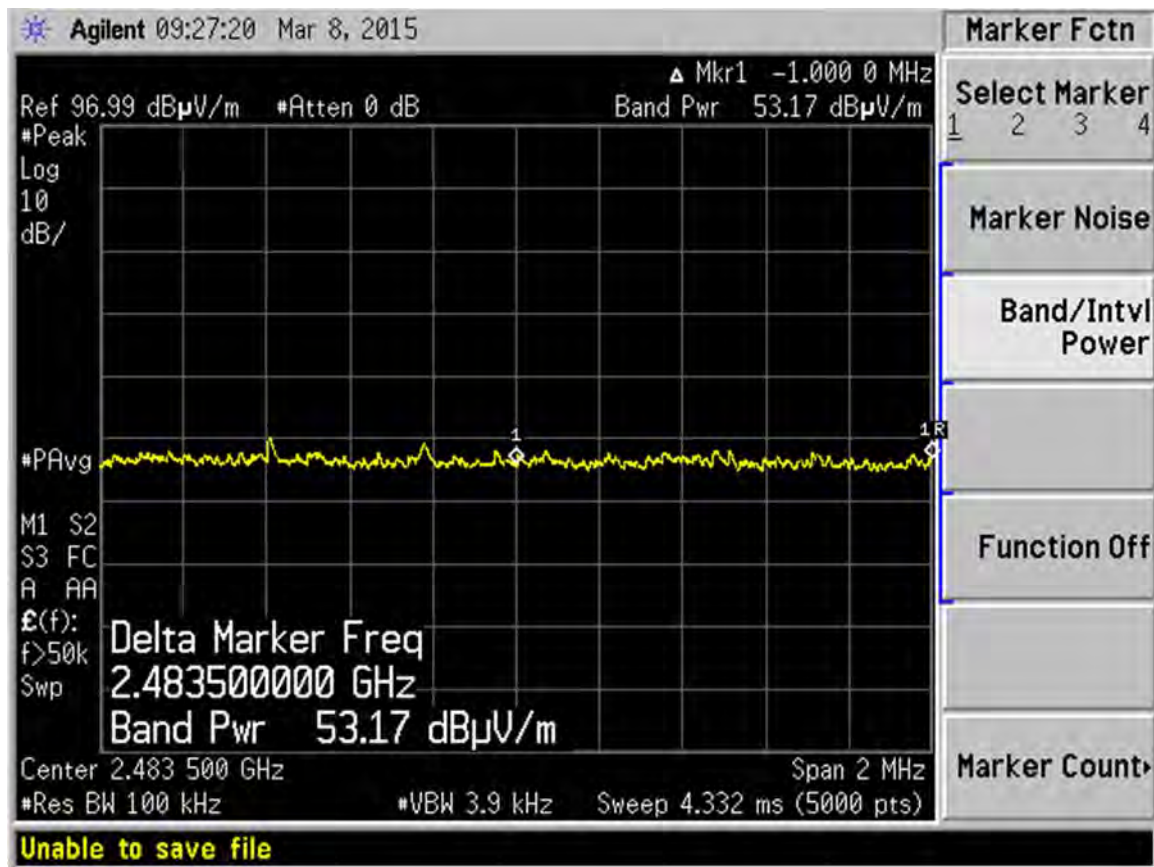
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2437 MHz, channel 6
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 18

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ s, VBW = 3.9 kHz

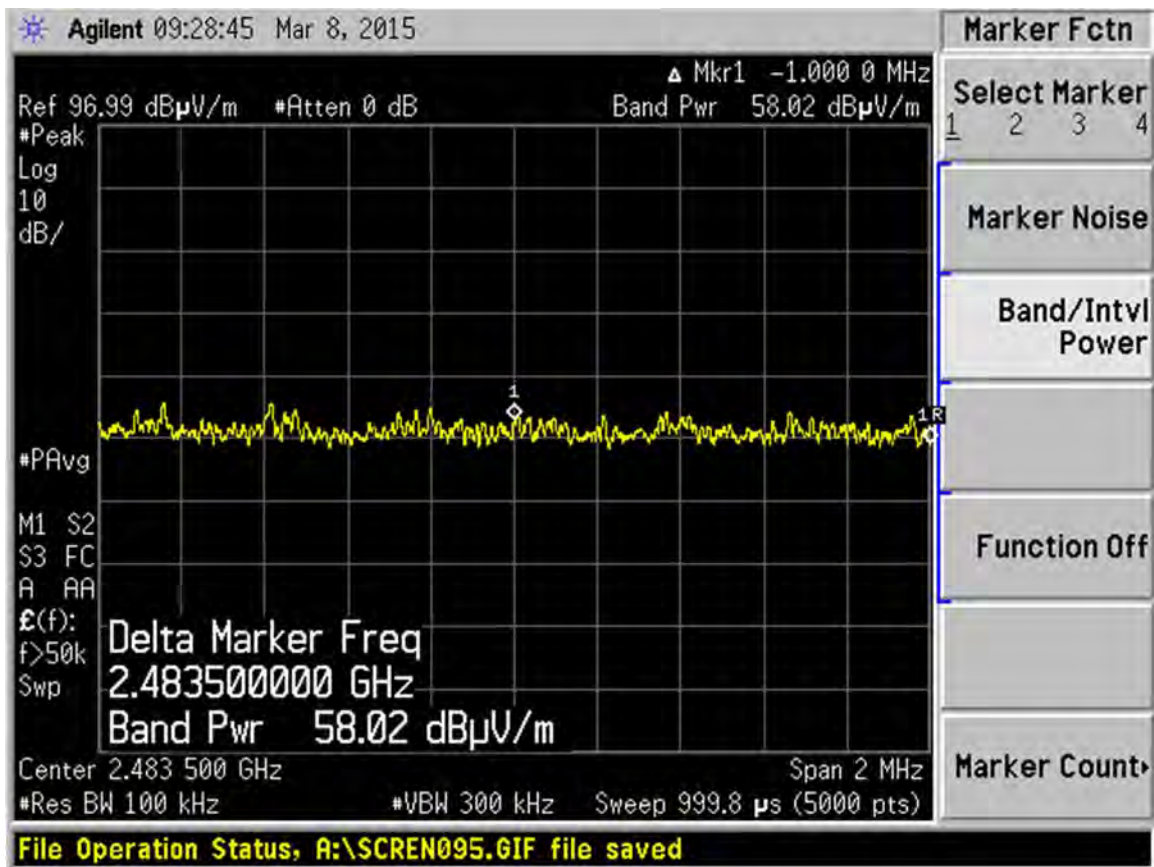


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2437 MHz, channel 6
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 18

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



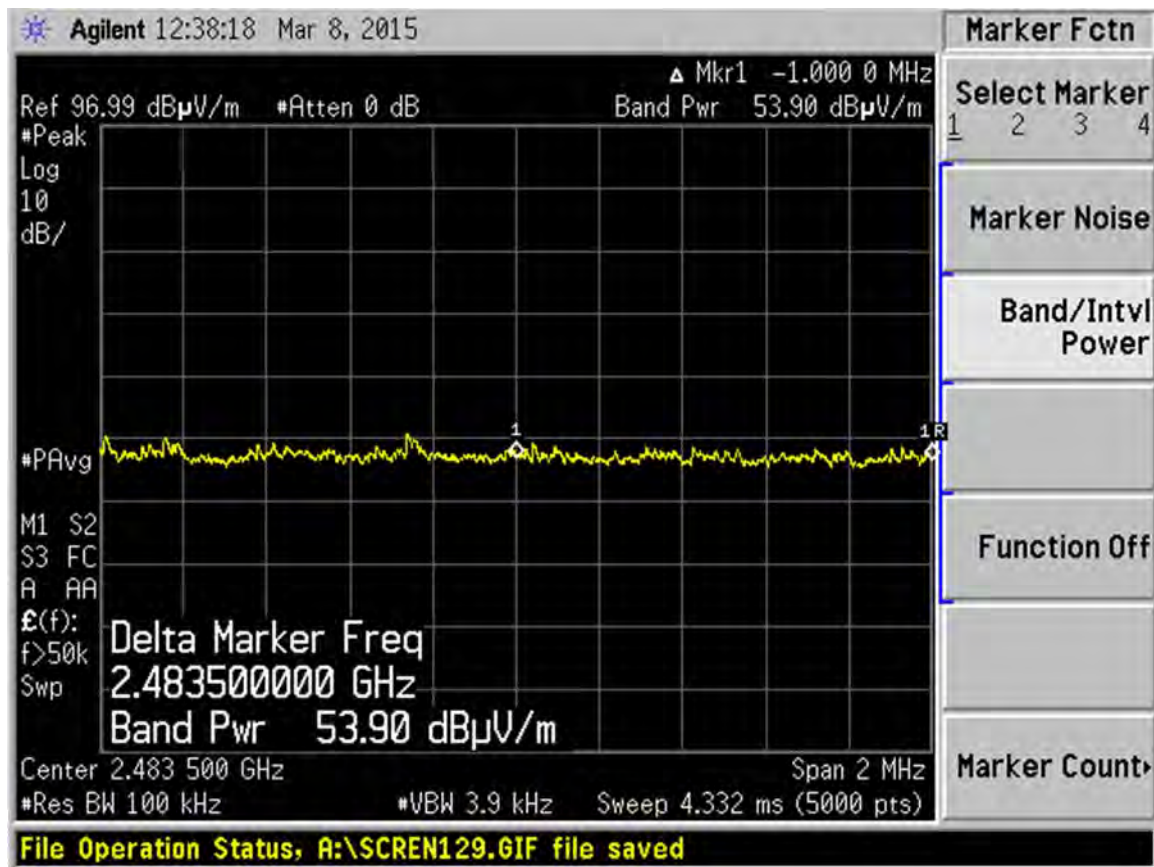
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2437 MHz, channel 6
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 18

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ S, VBW = 3.9 kHz

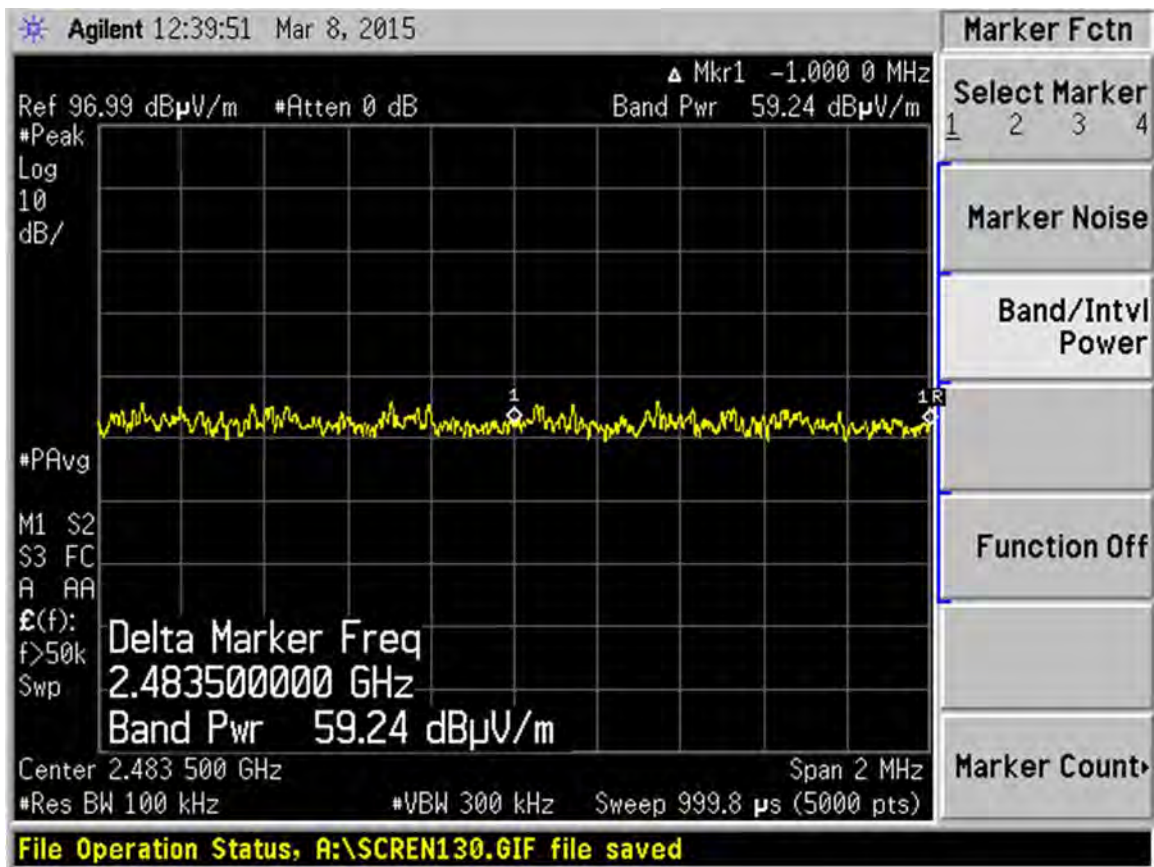


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2437 MHz, channel 6
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 18

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters

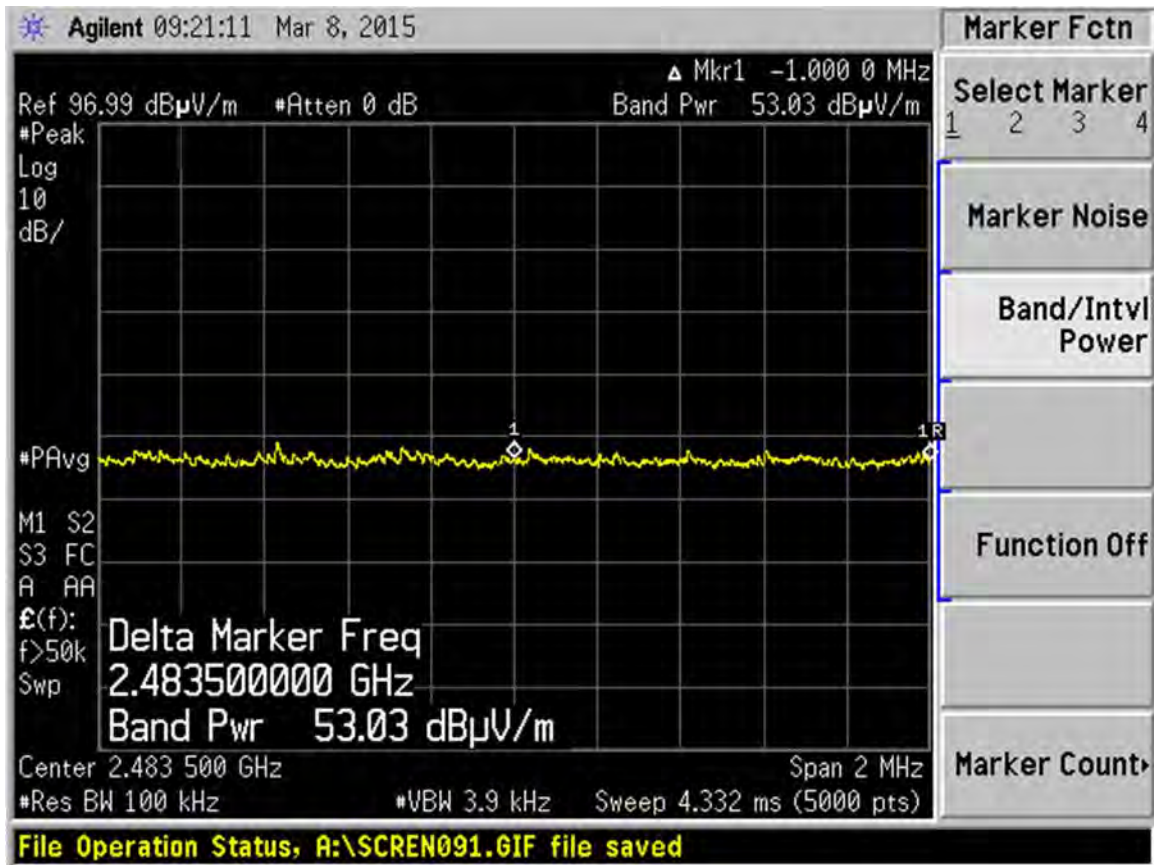


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2442 MHz, channel 7
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 17

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 260 μ S, VBW = 3.9 kHz

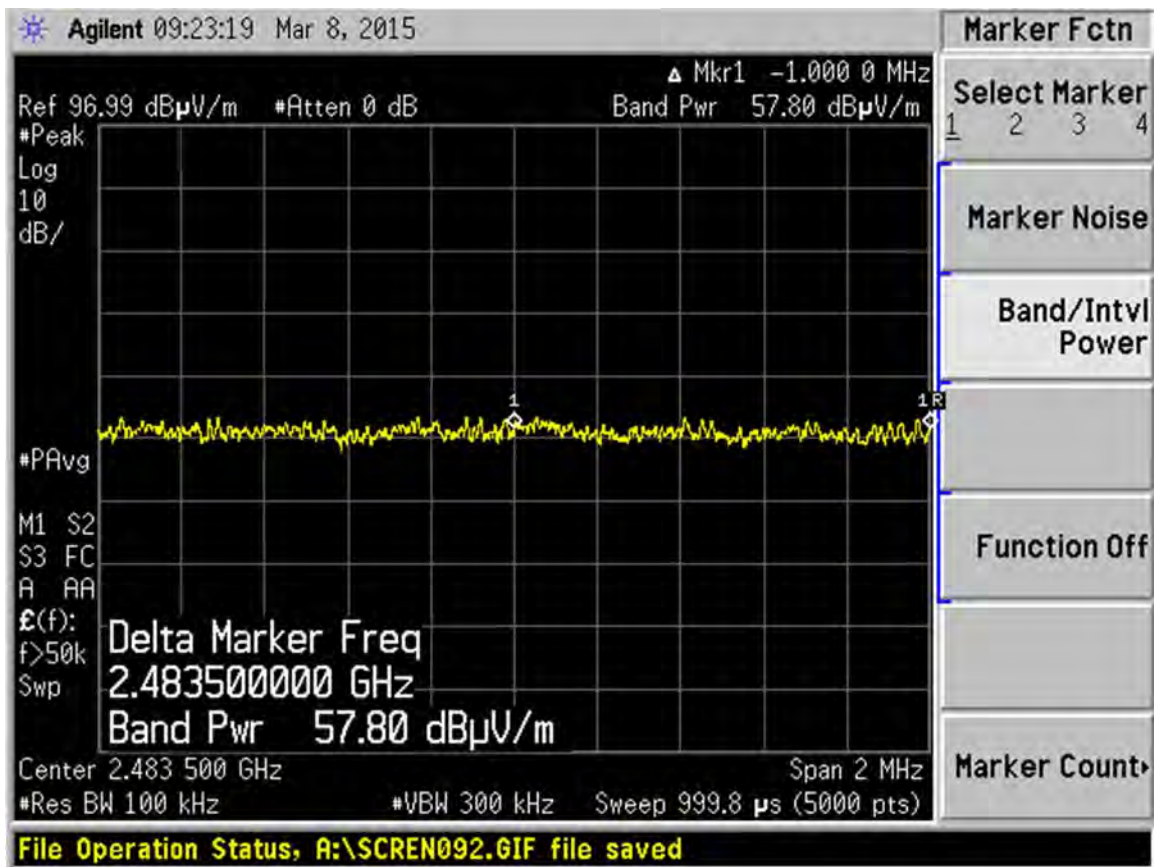


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2442 MHz, channel 7
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 17

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



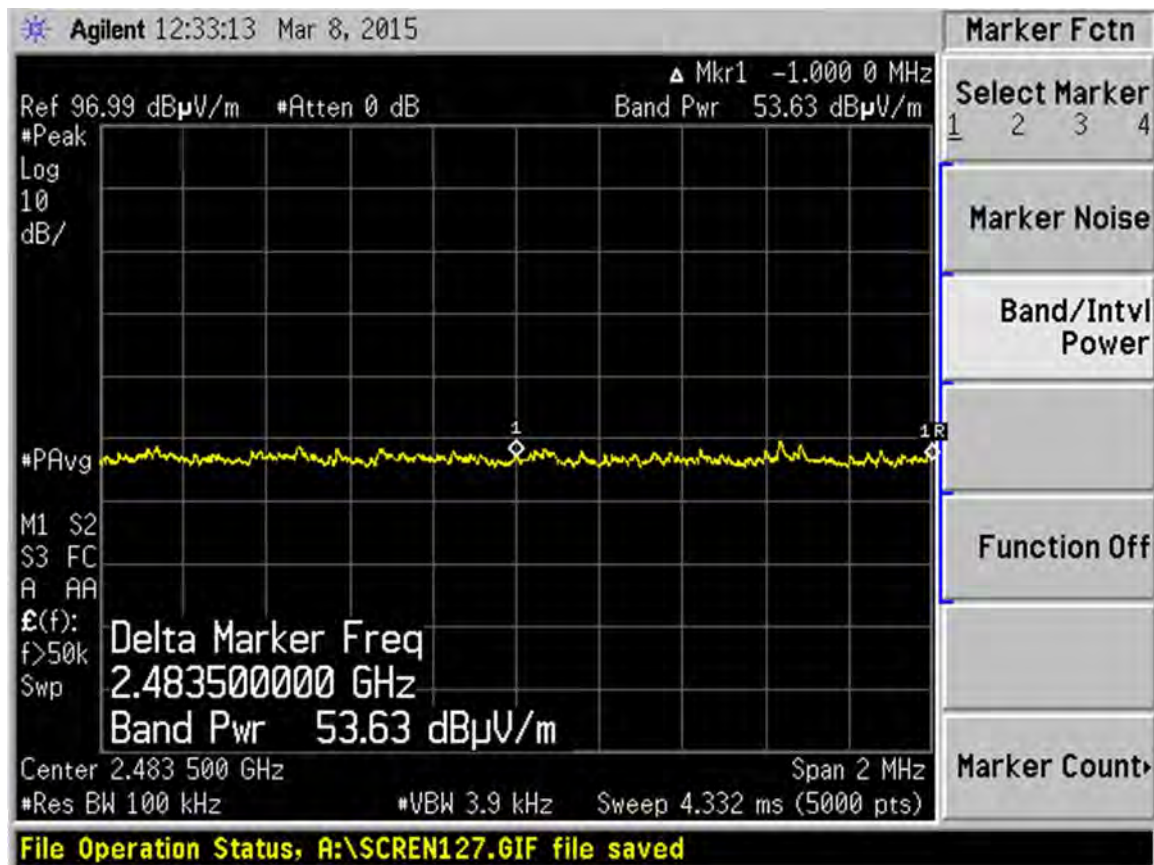
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2442 MHz, channel 7
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 17

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ S, VBW = 3.9 kHz

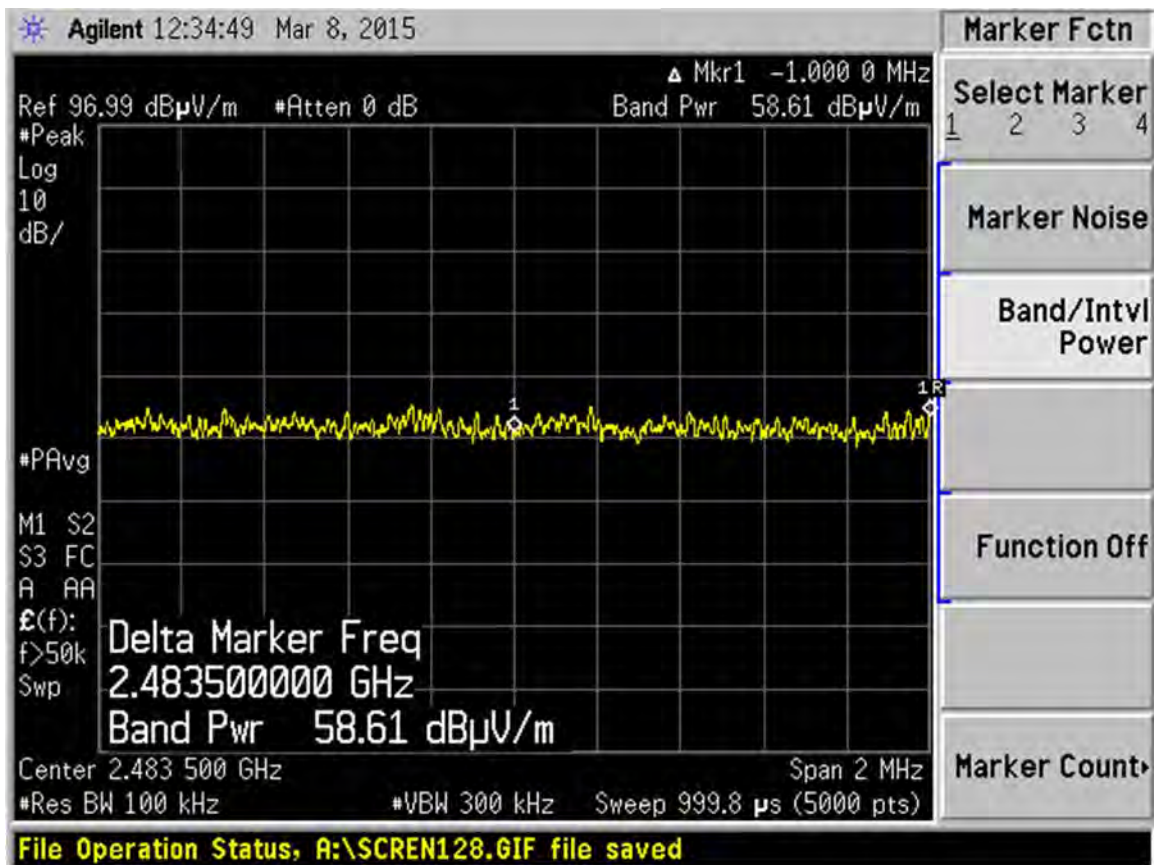


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2442 MHz, channel 7
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 17

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



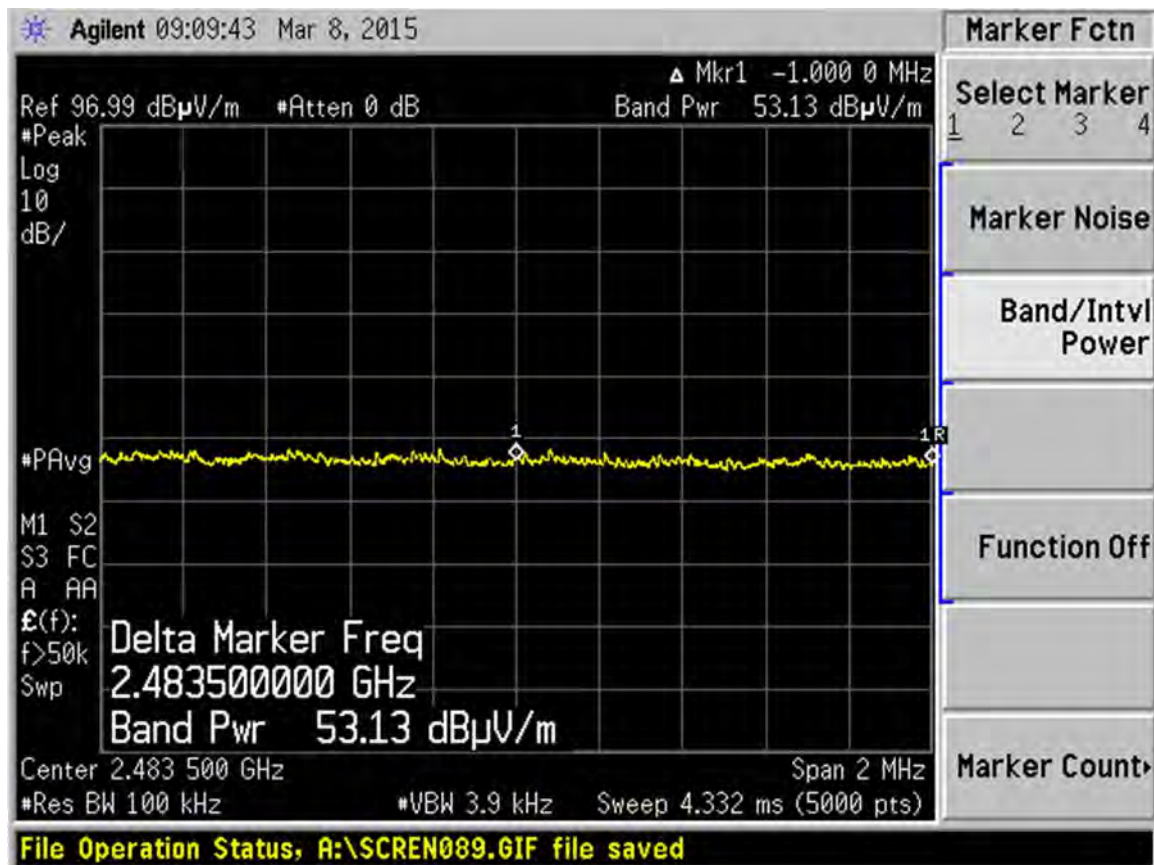
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2447 MHz, channel 8
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 16

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ s, VBW = 3.9 kHz

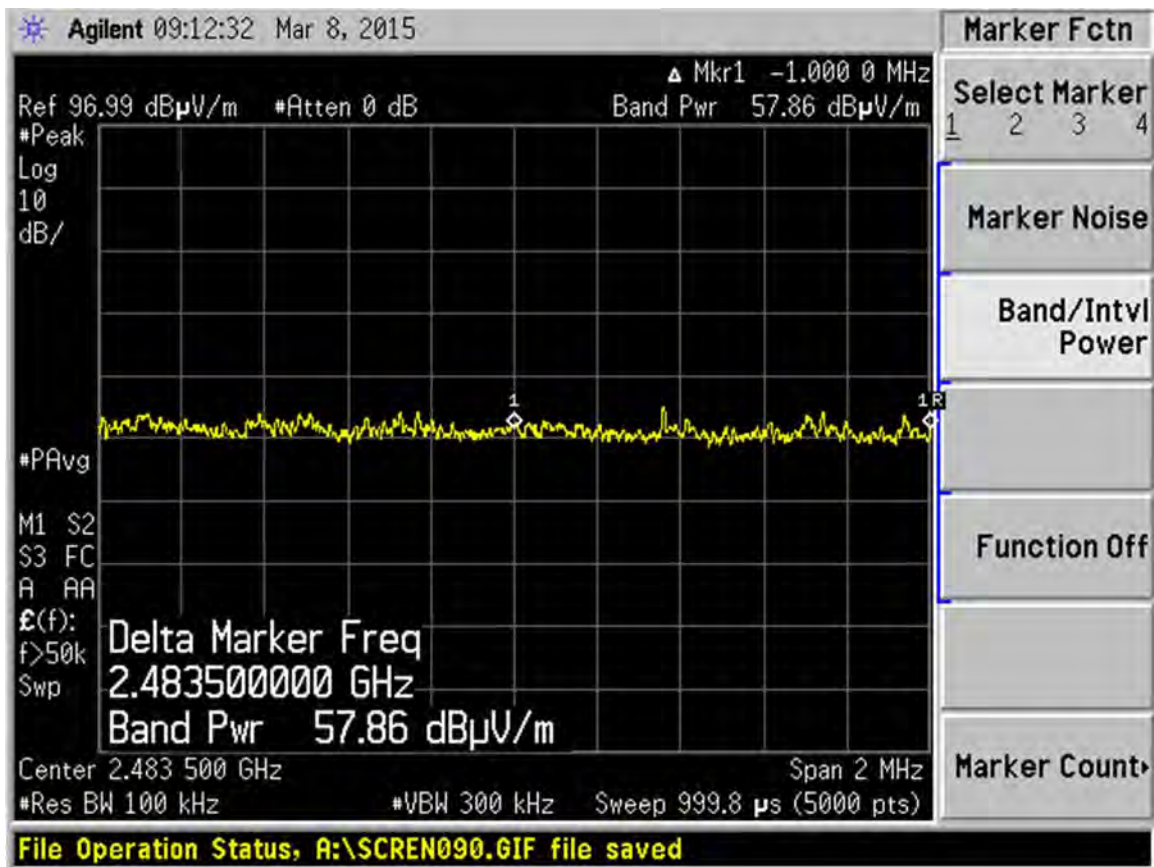


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2447 MHz, channel 8
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 16

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



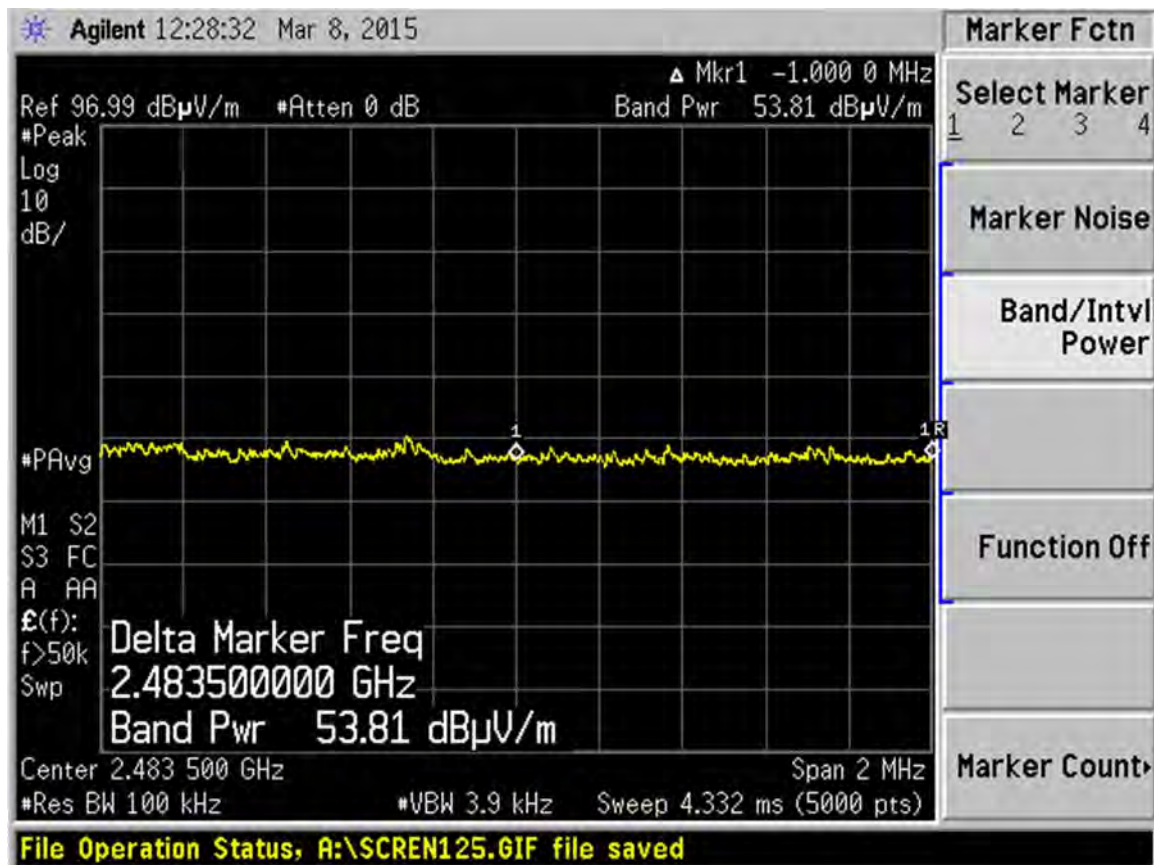
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2447 MHz, channel 8
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 16

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ s, VBW = 3.9 kHz

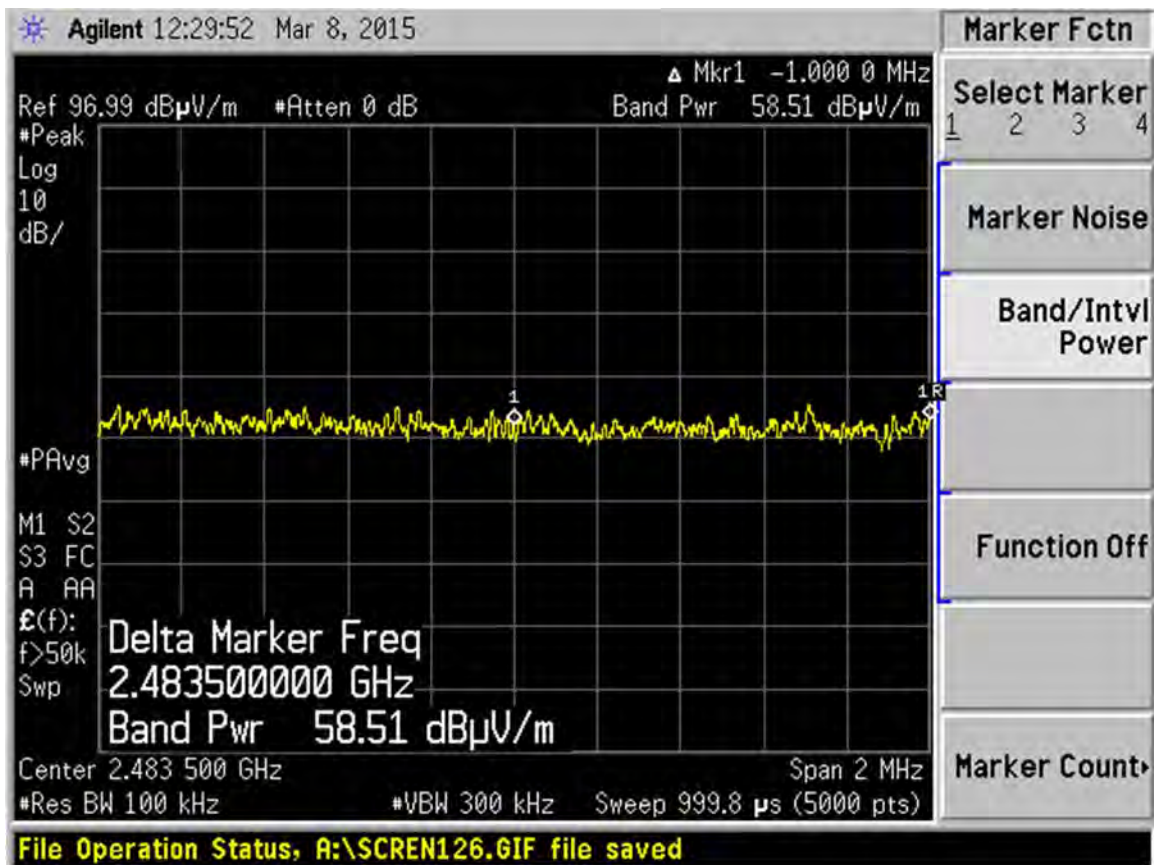


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2447 MHz, channel 8
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 16

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



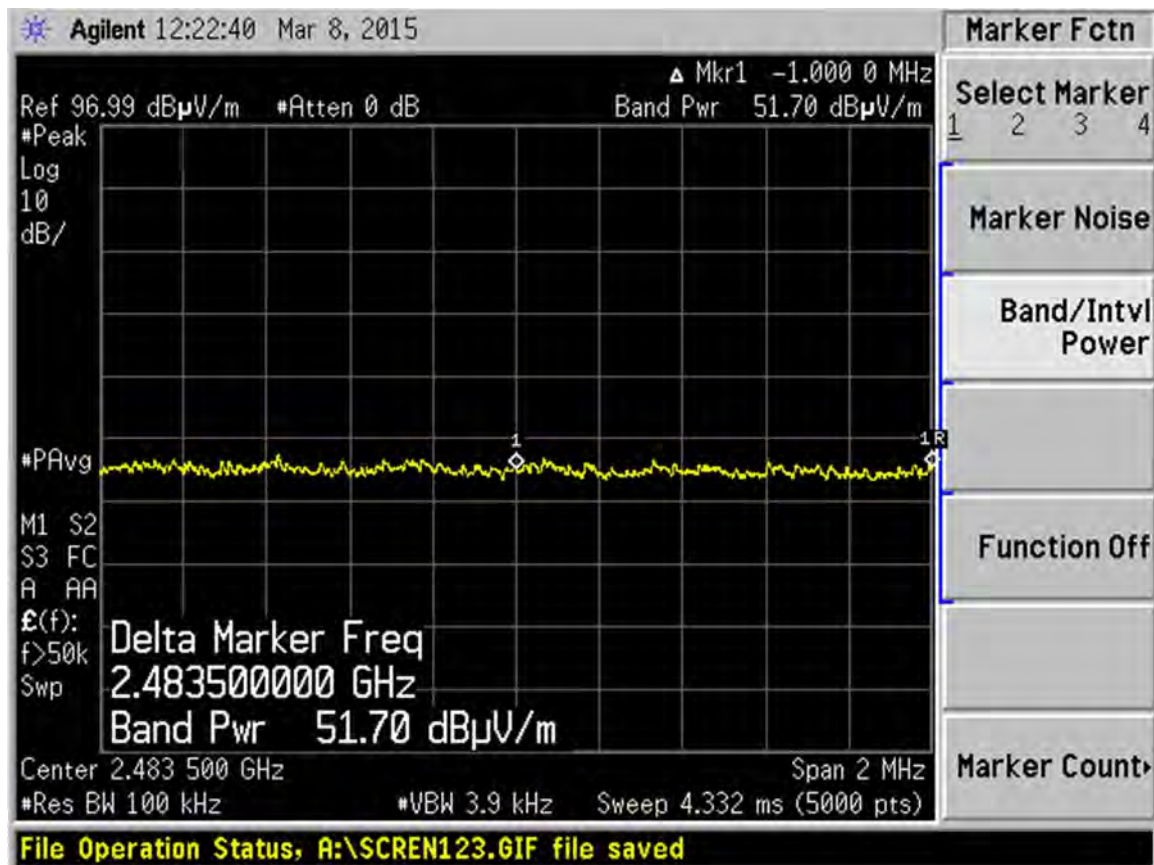
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2452 MHz, channel 9
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 14

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ S, VBW = 3.9 kHz

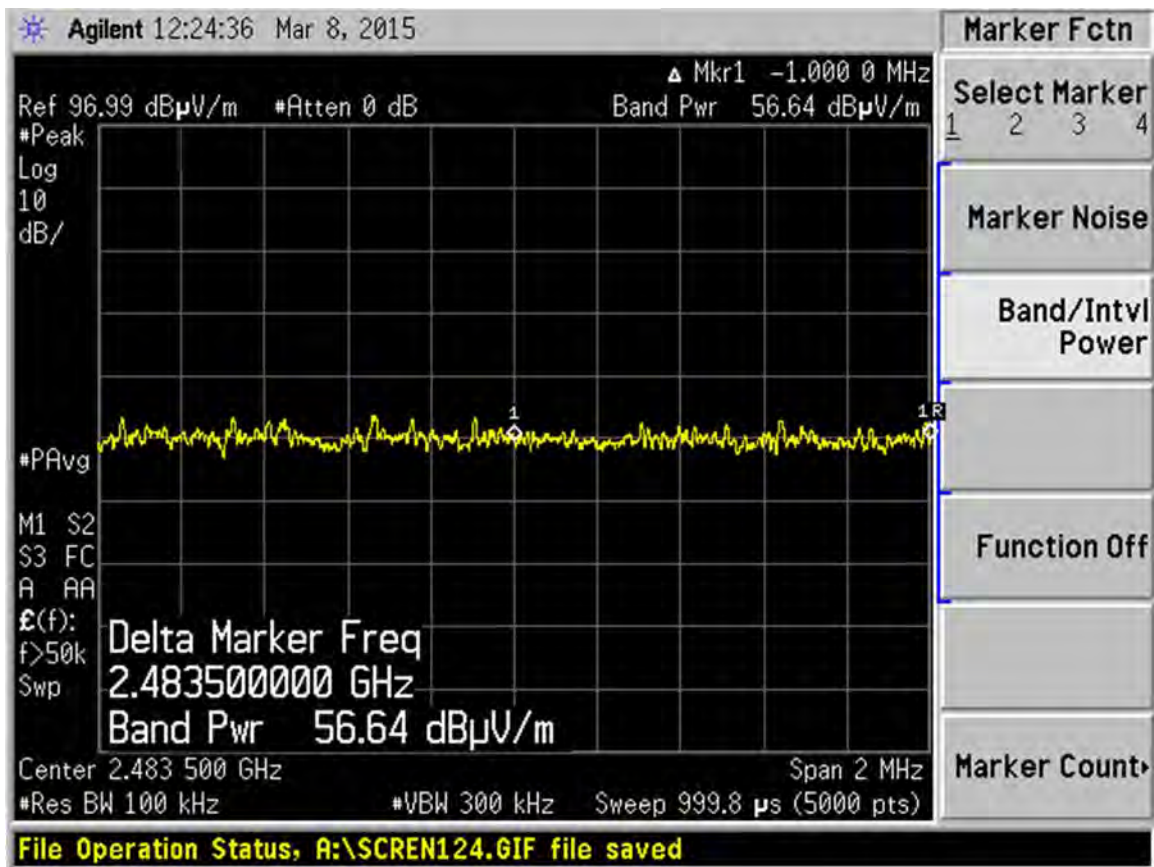


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2452 MHz, channel 9
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 14

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



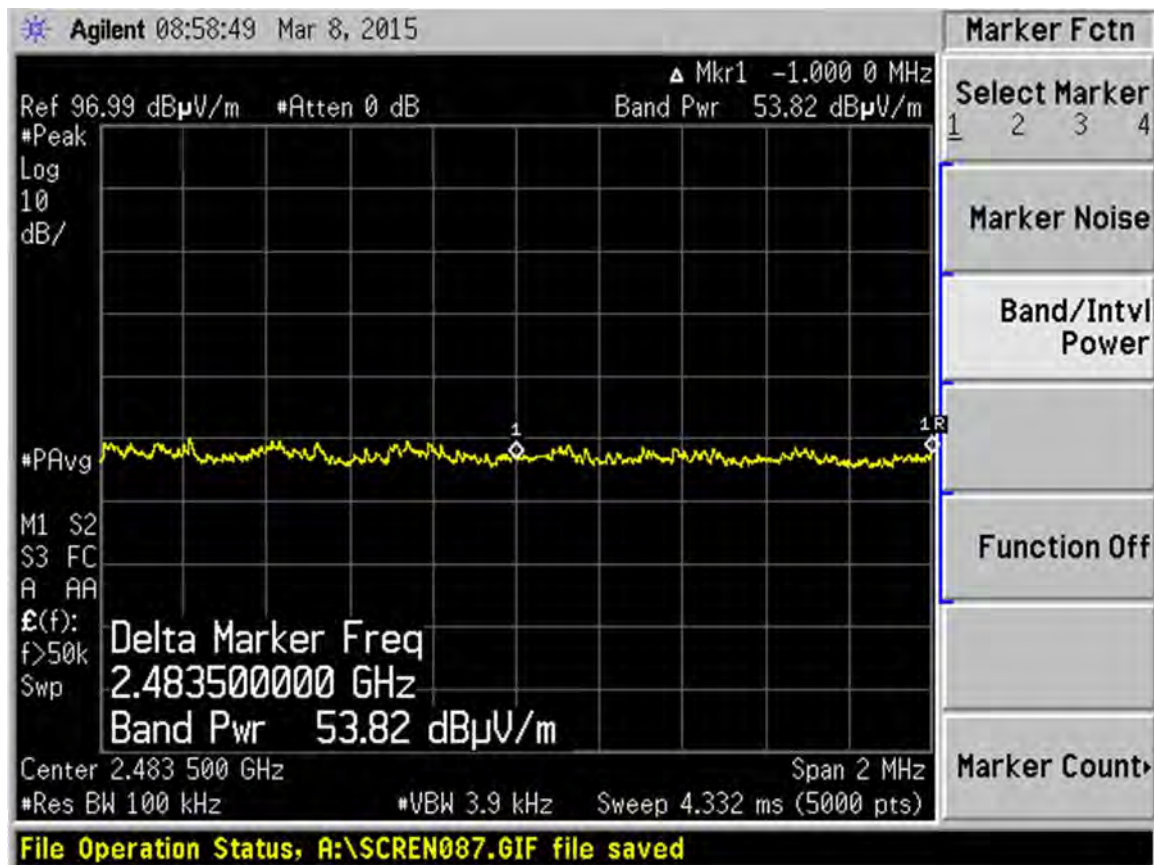
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2452 MHz, channel 9
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 15

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ s, VBW = 3.9 kHz

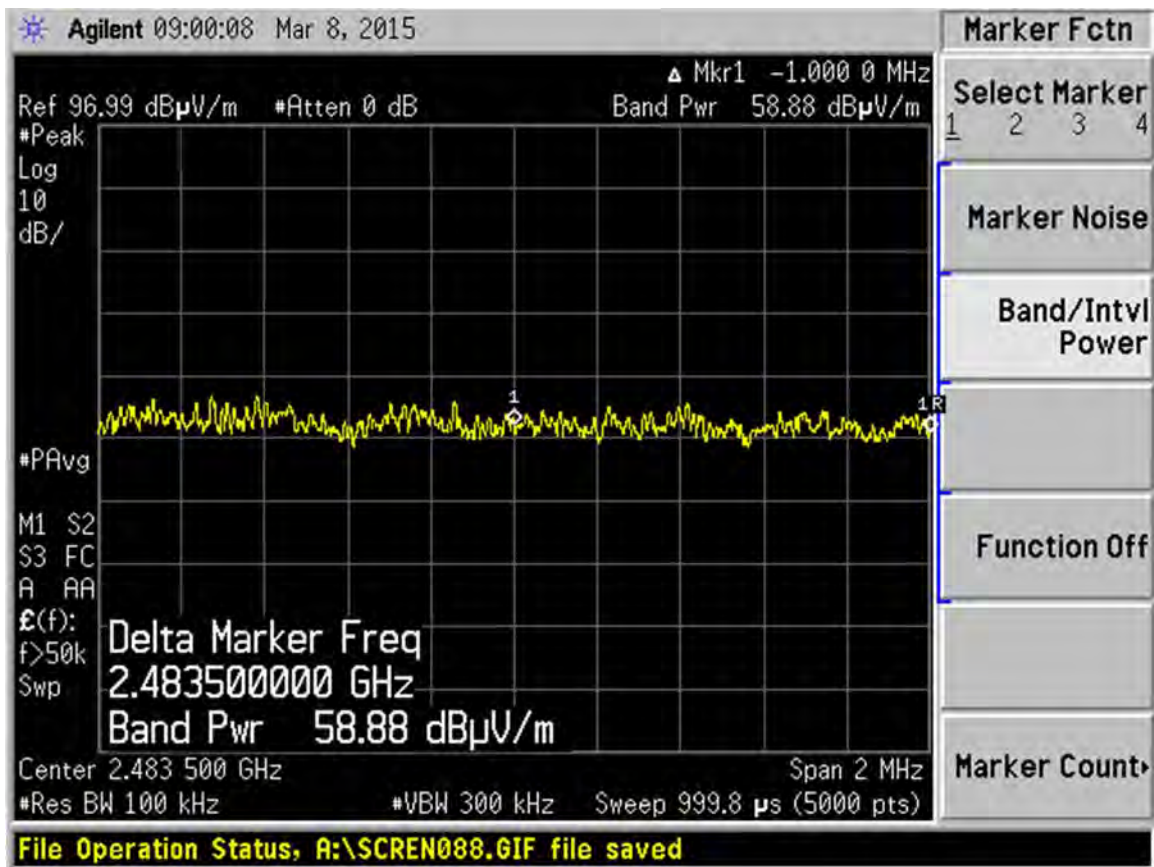


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2452 MHz, channel 9
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 15

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



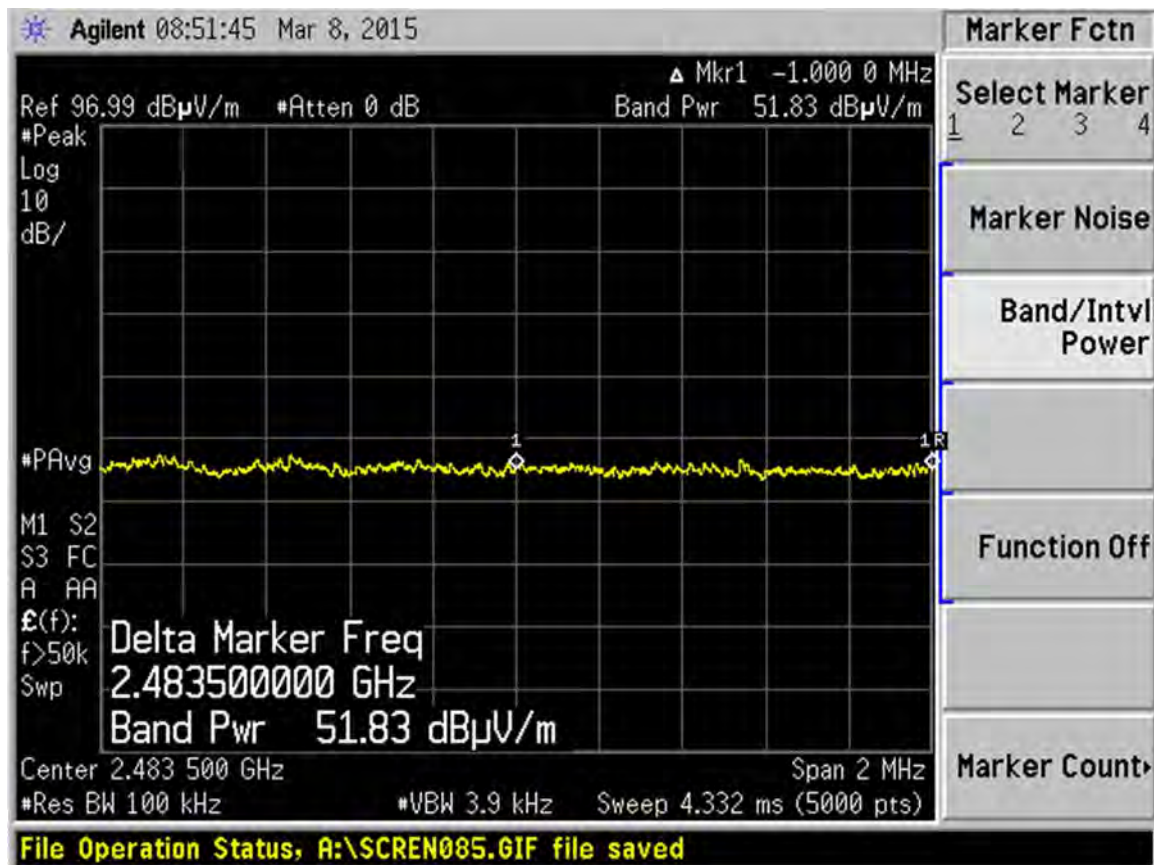
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2457 MHz, channel 10
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 14

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ S, VBW = 3.9 kHz

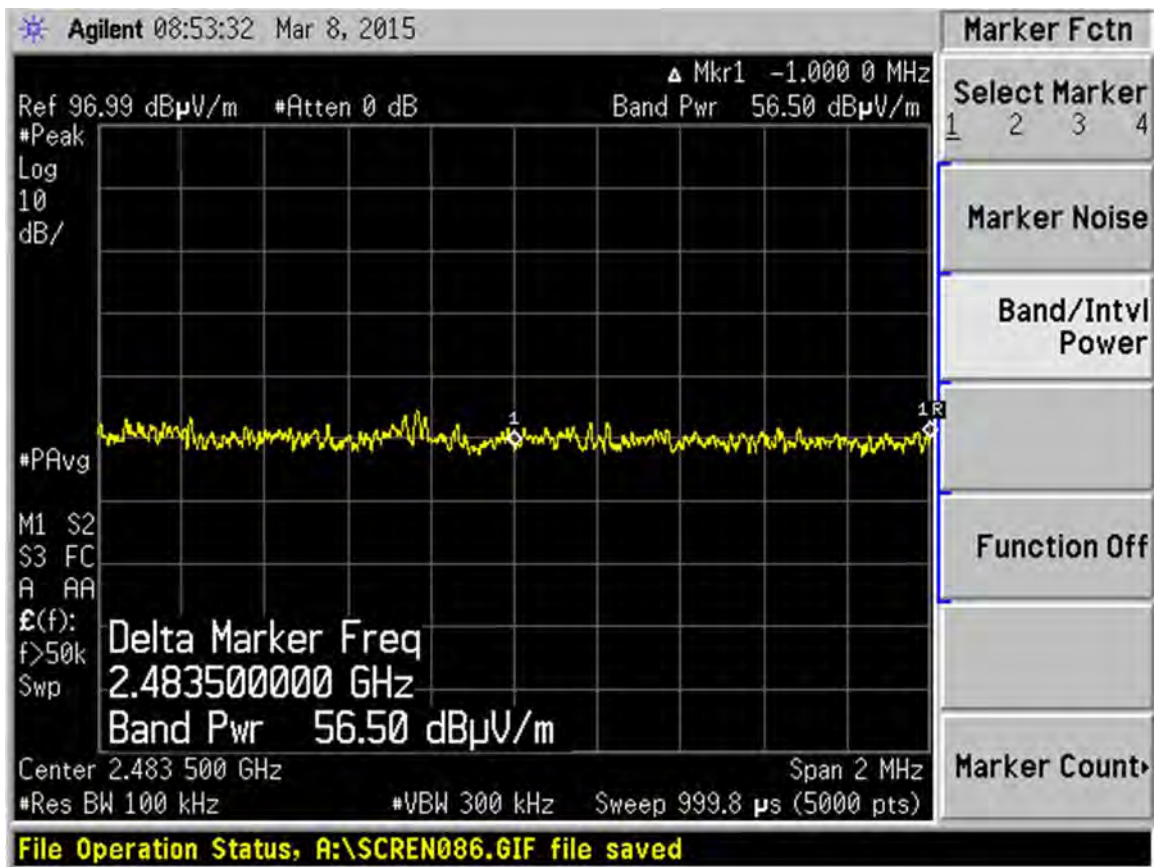


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2457 MHz, channel 10
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 14

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



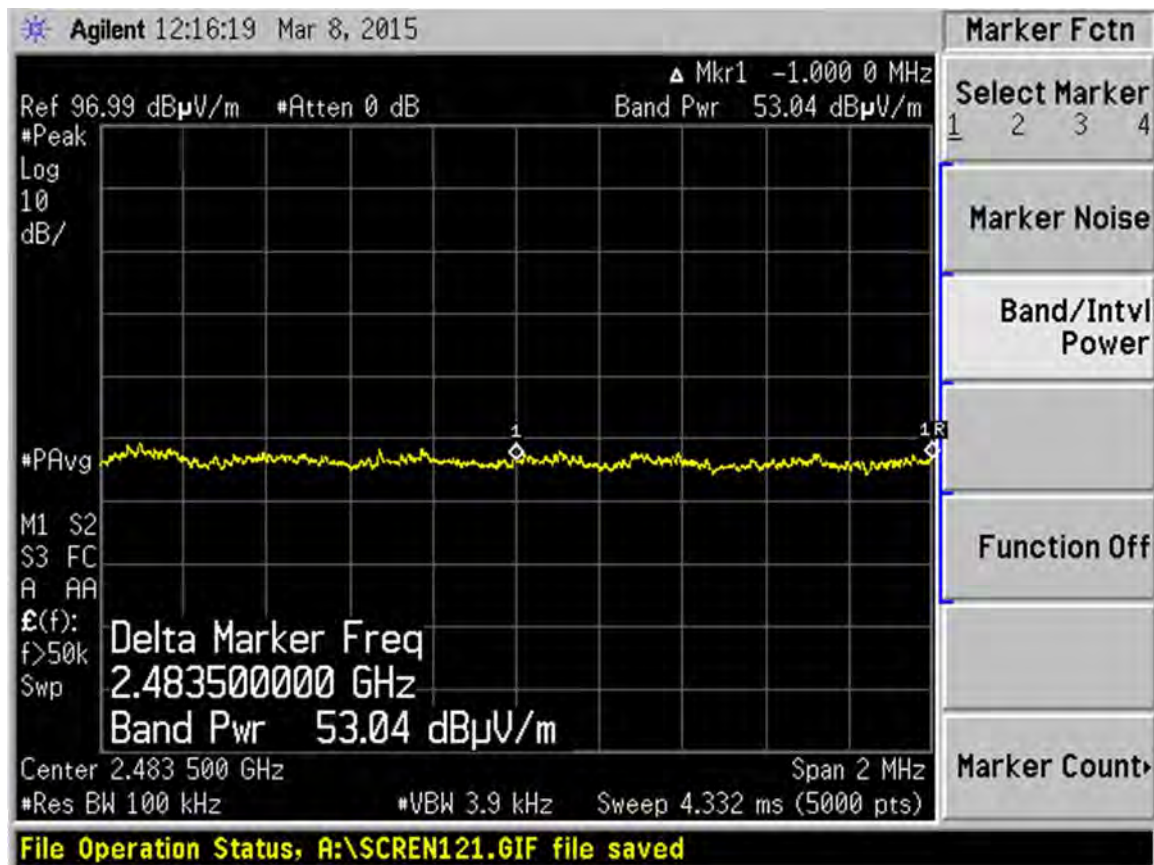
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2457 MHz, channel 10
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 14

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ S, VBW = 3.9 kHz

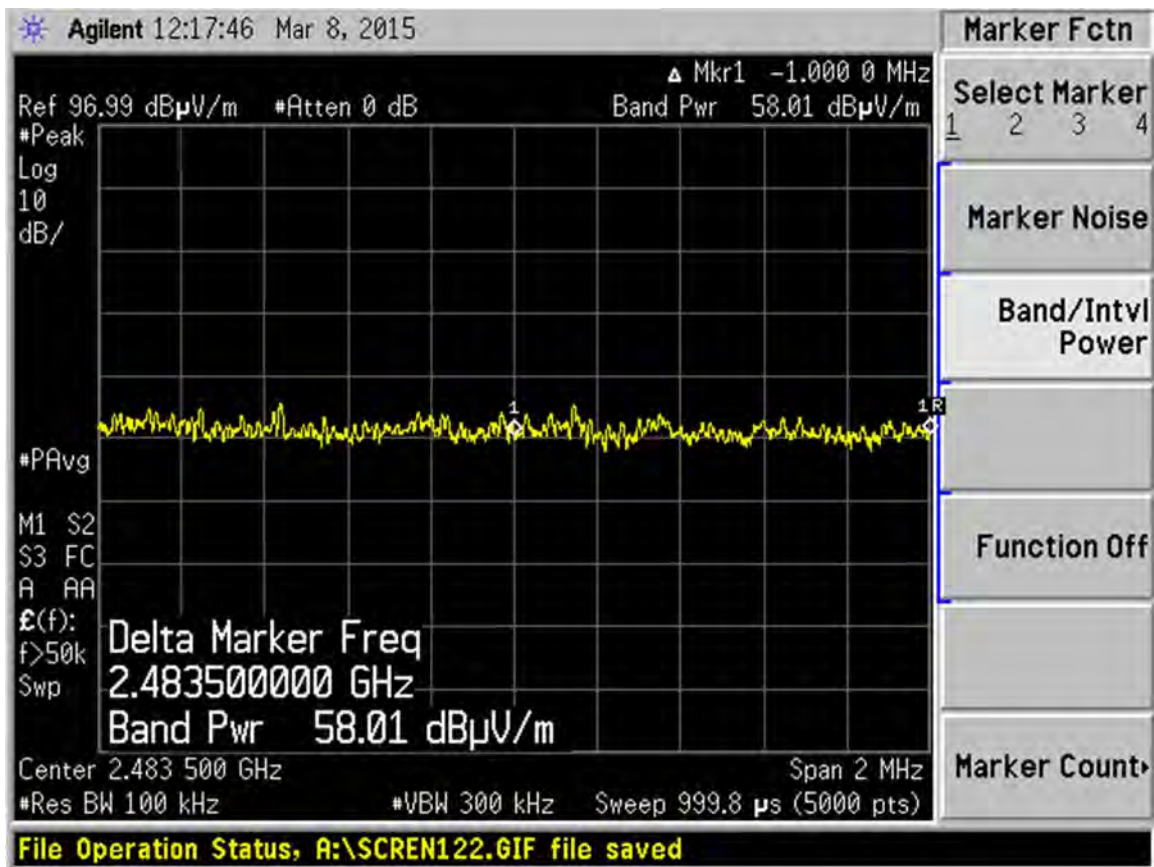


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: 2457 MHz, channel 10
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 14

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



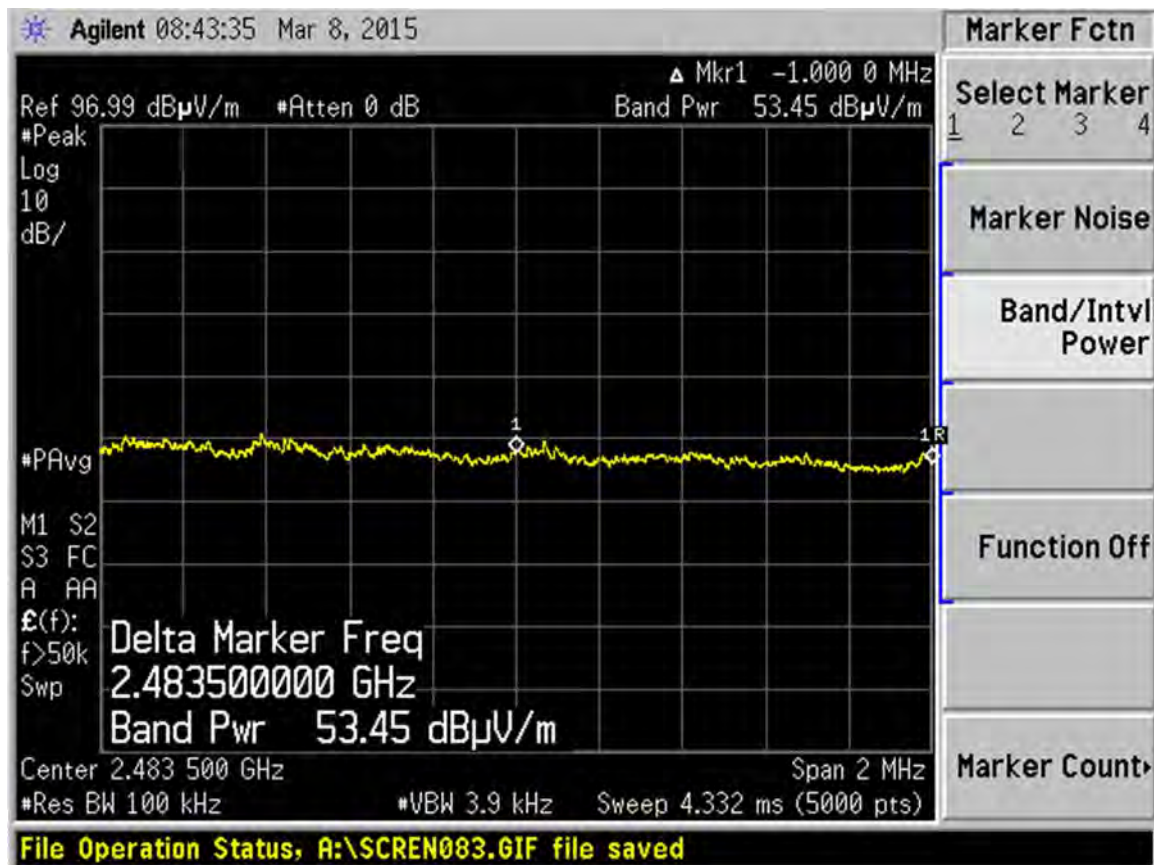
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 10

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ S, VBW = 3.9 kHz

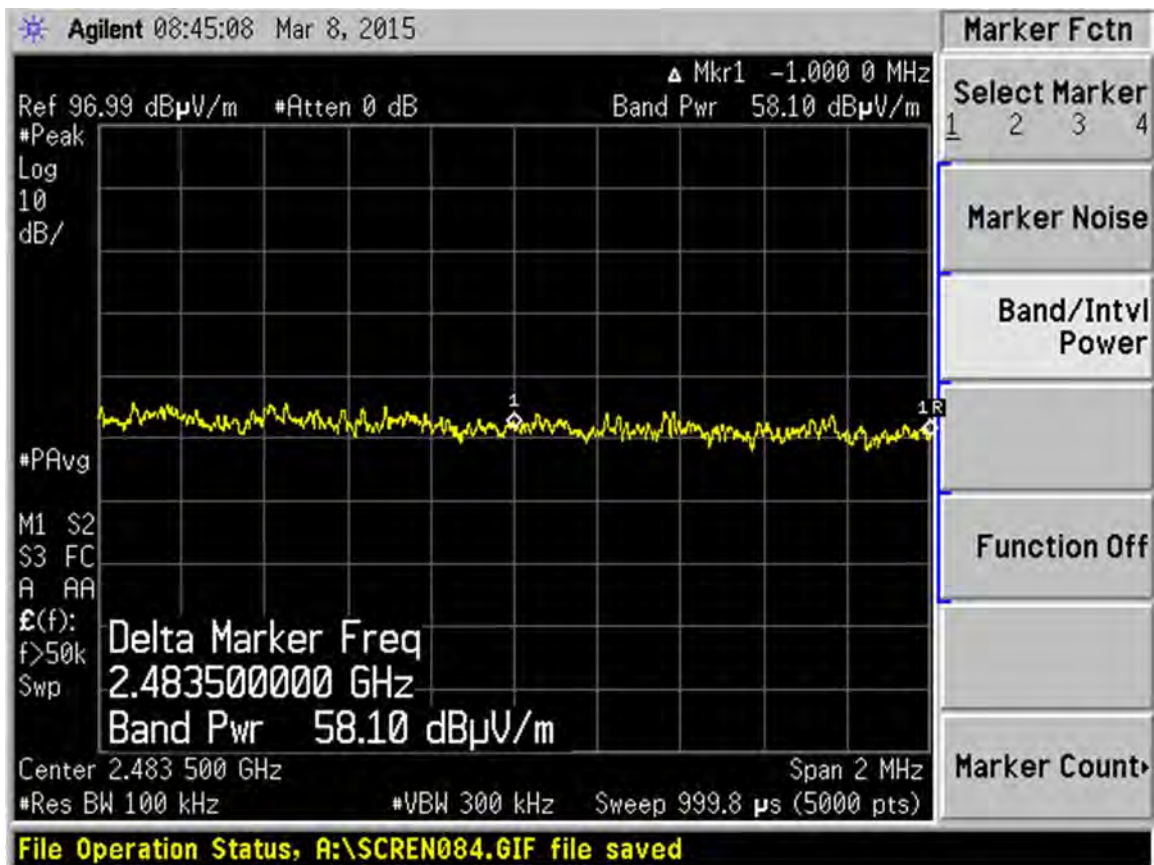


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 10

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



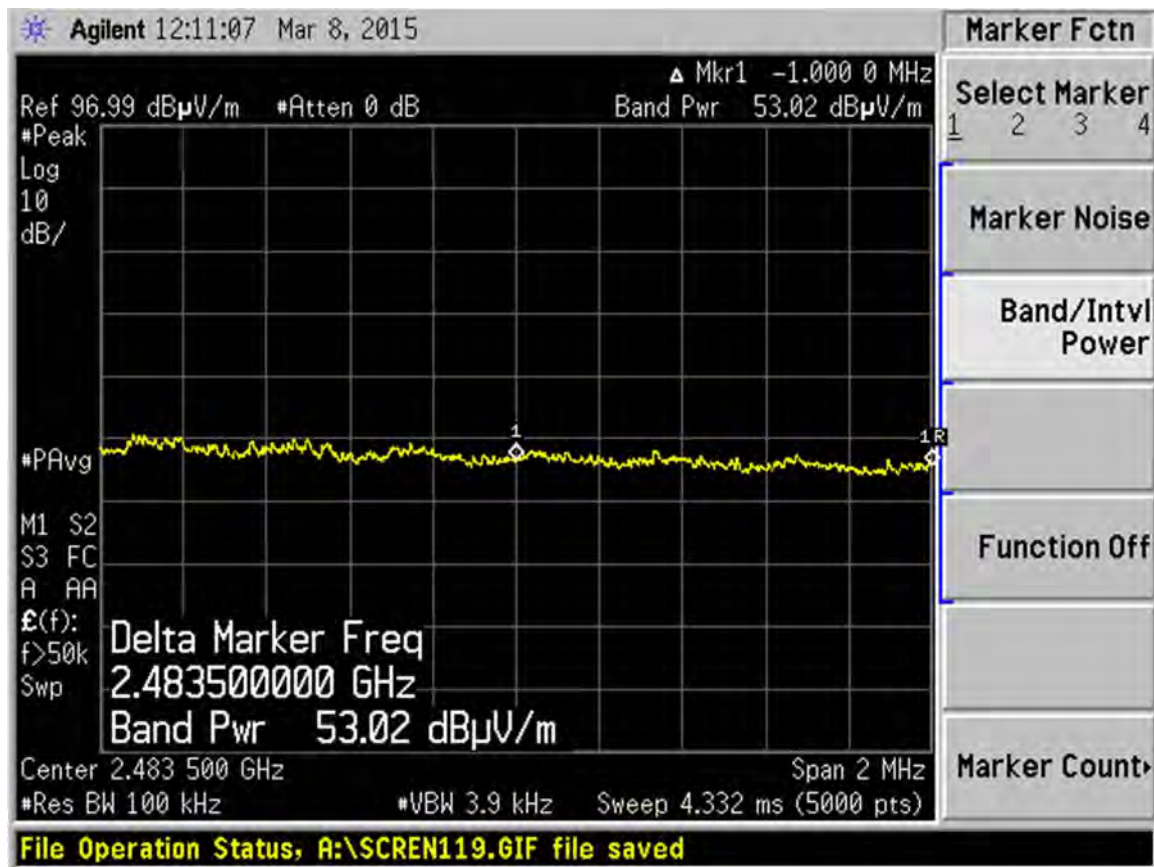
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 9

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 260 μ s, VBW = 3.9 kHz

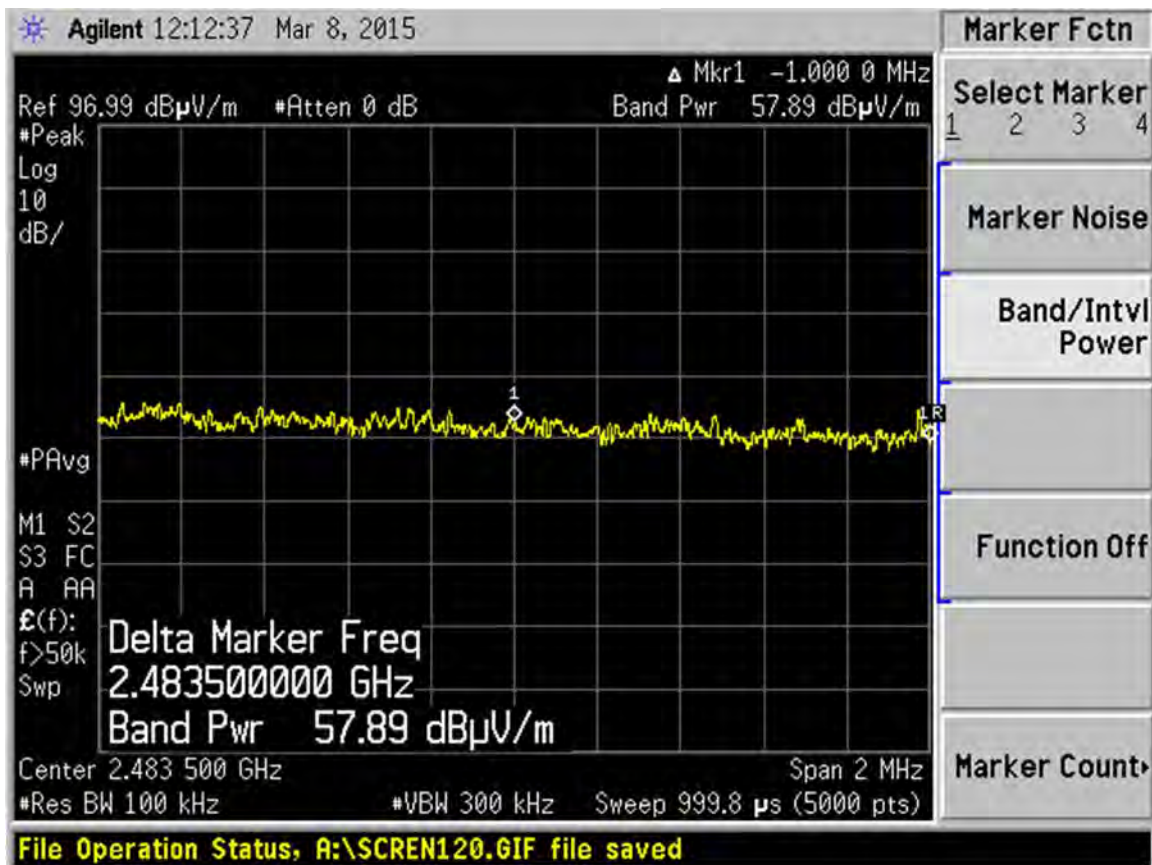


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-g, OFDM, 54 Mbps
Power setting: 9

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters

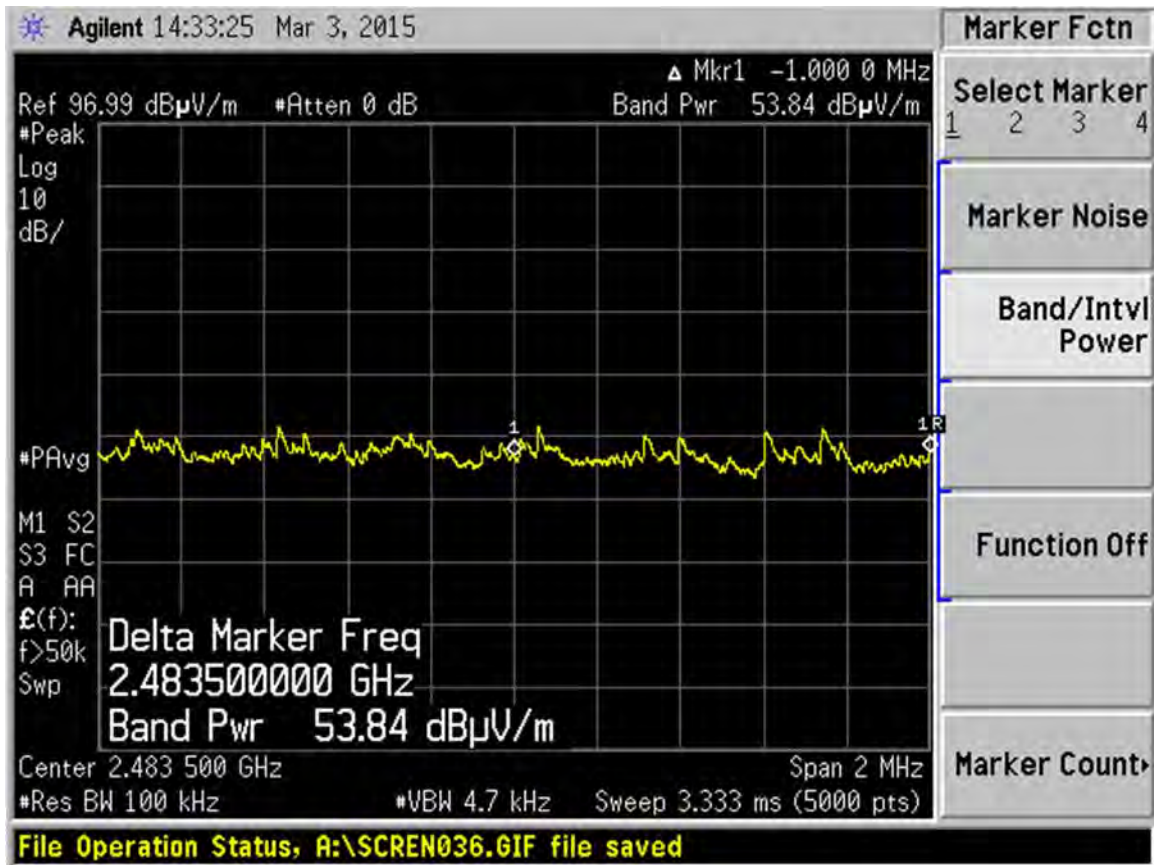


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2447 MHz, channel 8
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 17

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 230 μ S, VBW = 4.7 kHz

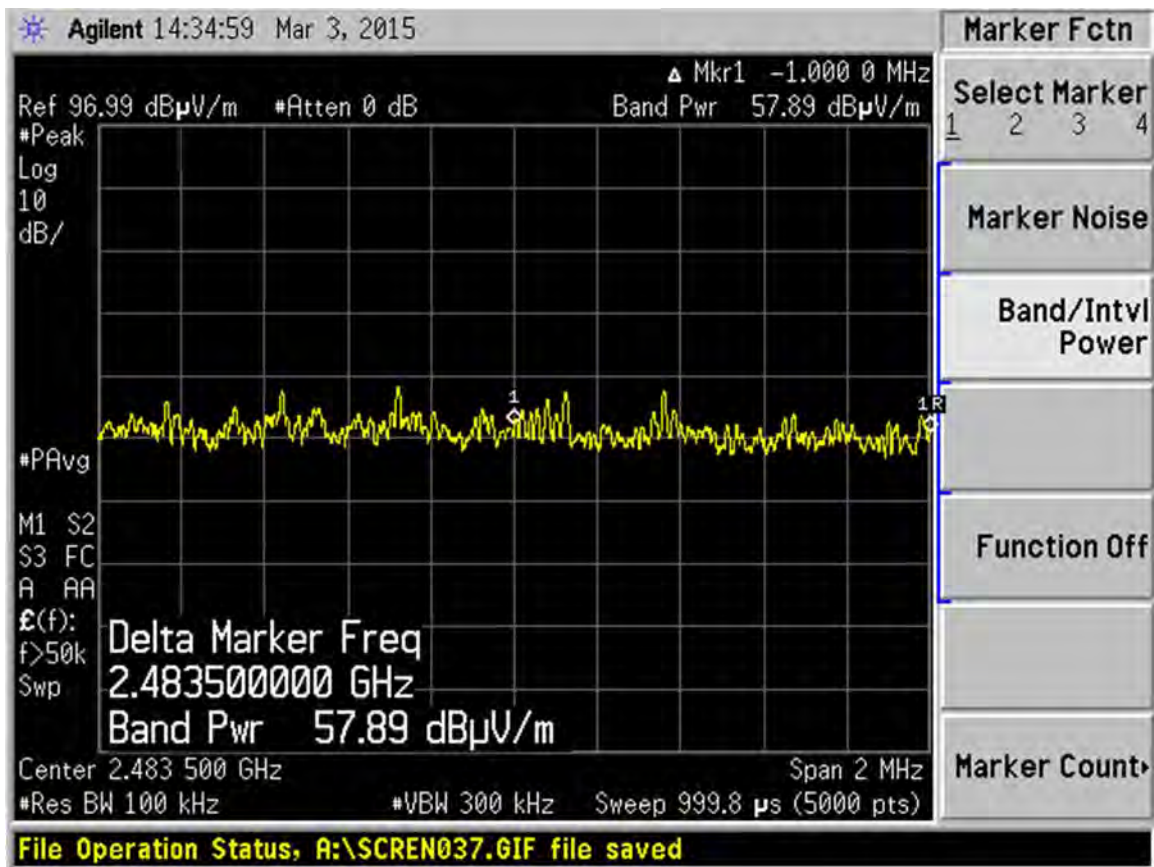


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2447 MHz; channel 8
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 17

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



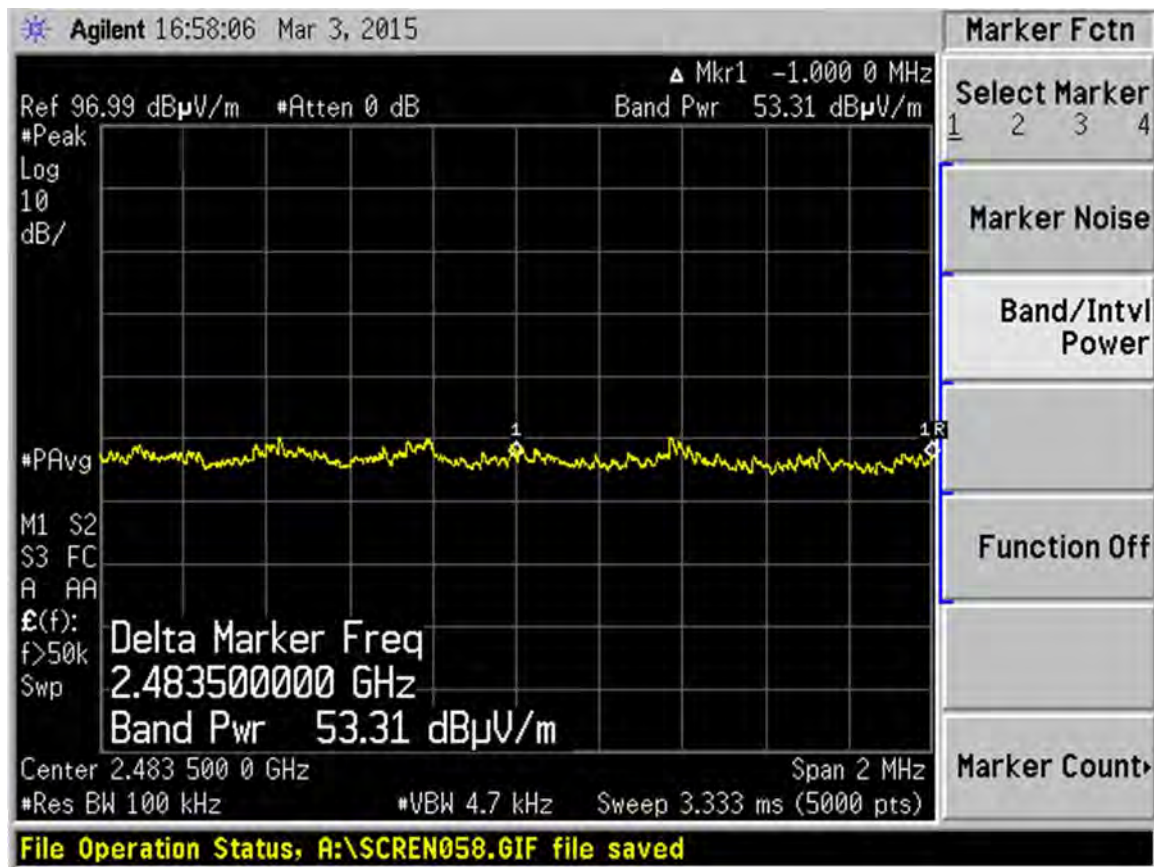
Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2447 MHz, channel 8
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 17

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ s, VBW = 4.7 kHz

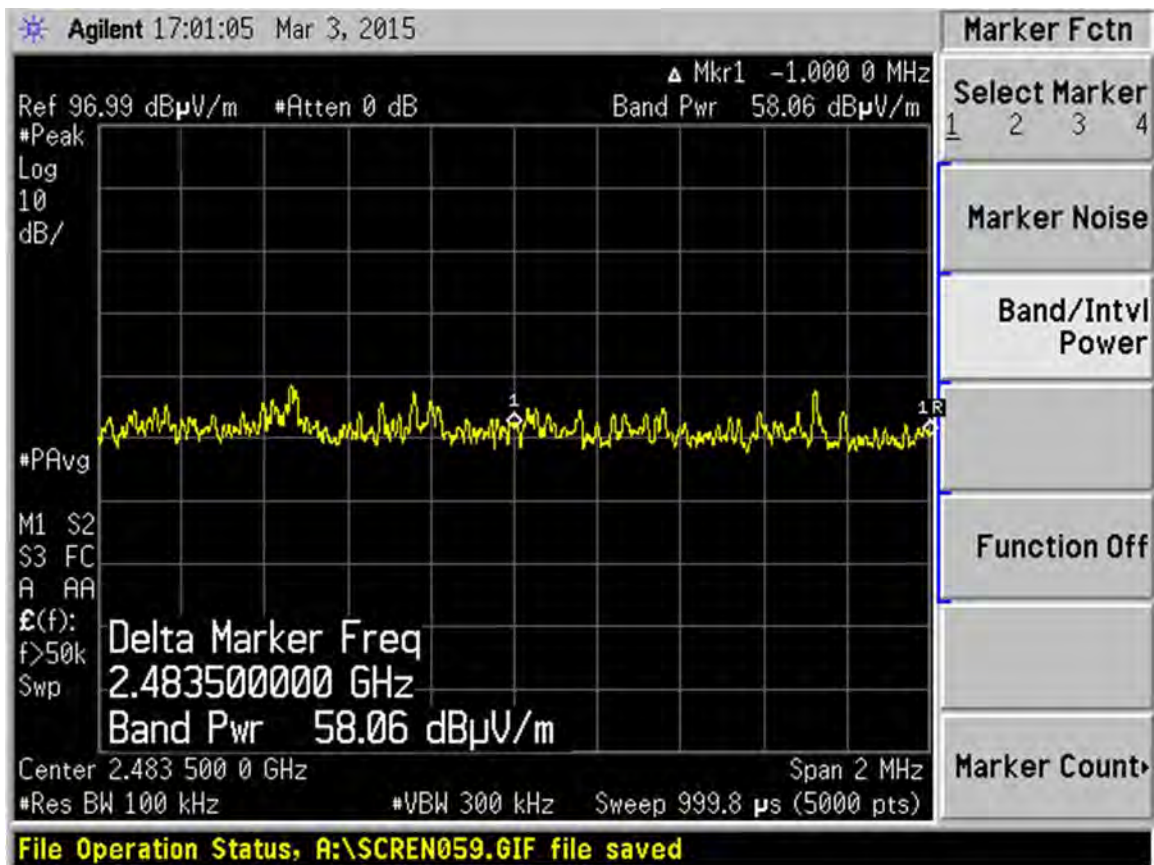


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2447 MHz; channel 8
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 17

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



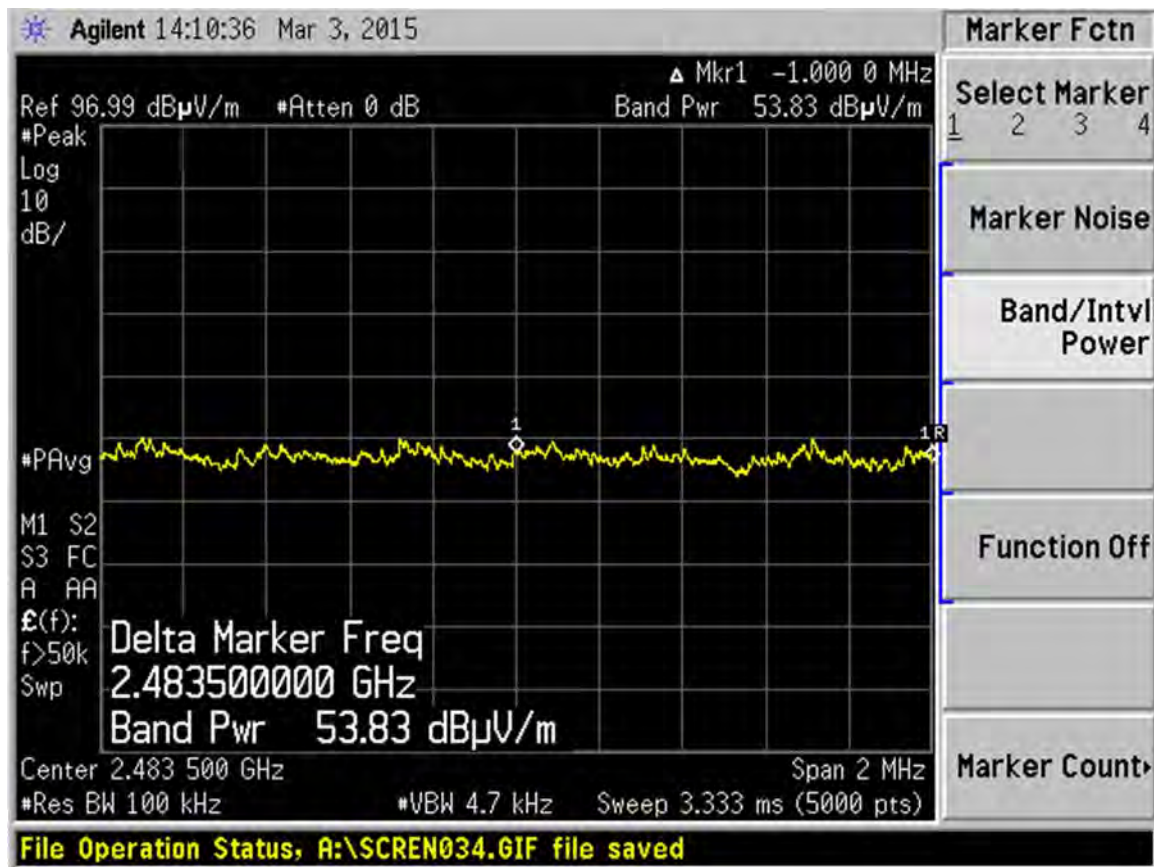
Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2452 MHz, channel 9
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 16

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ s, VBW = 4.7 kHz

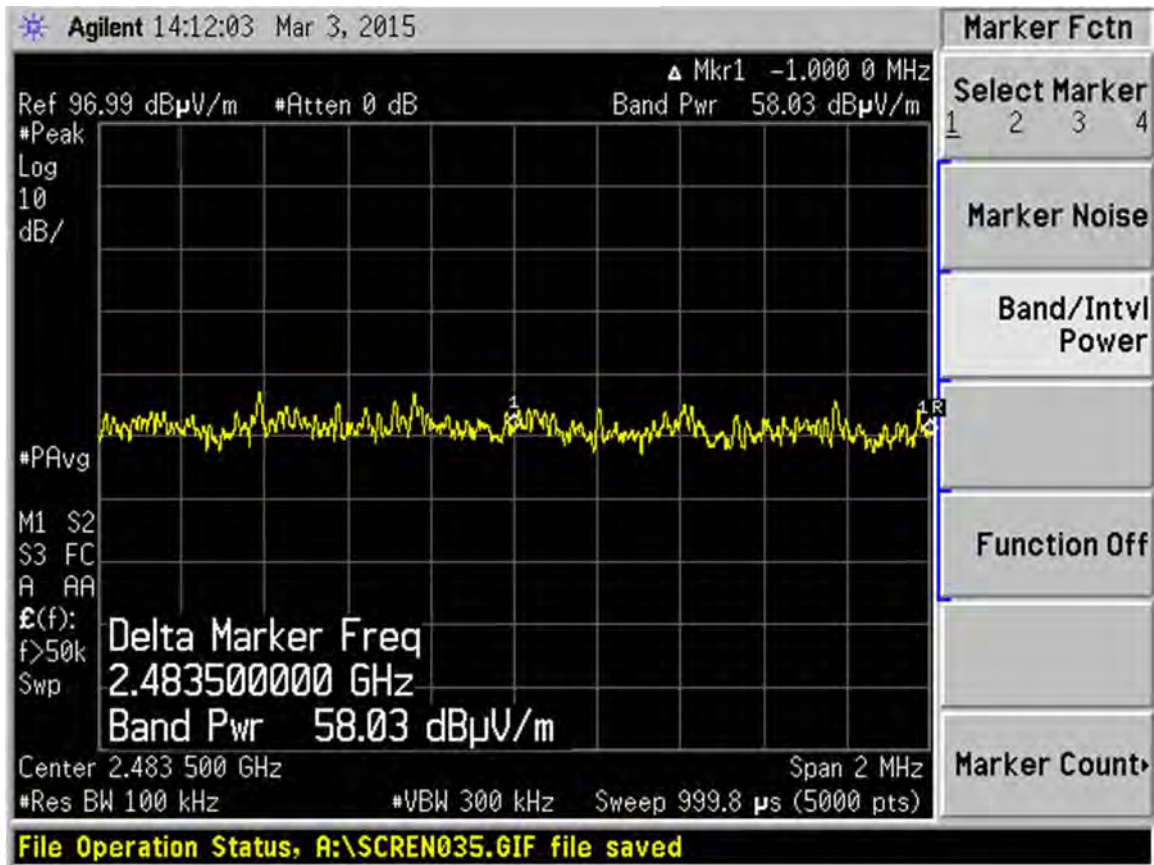


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2452 MHz; channel 9
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 16

HORIZONTAL:

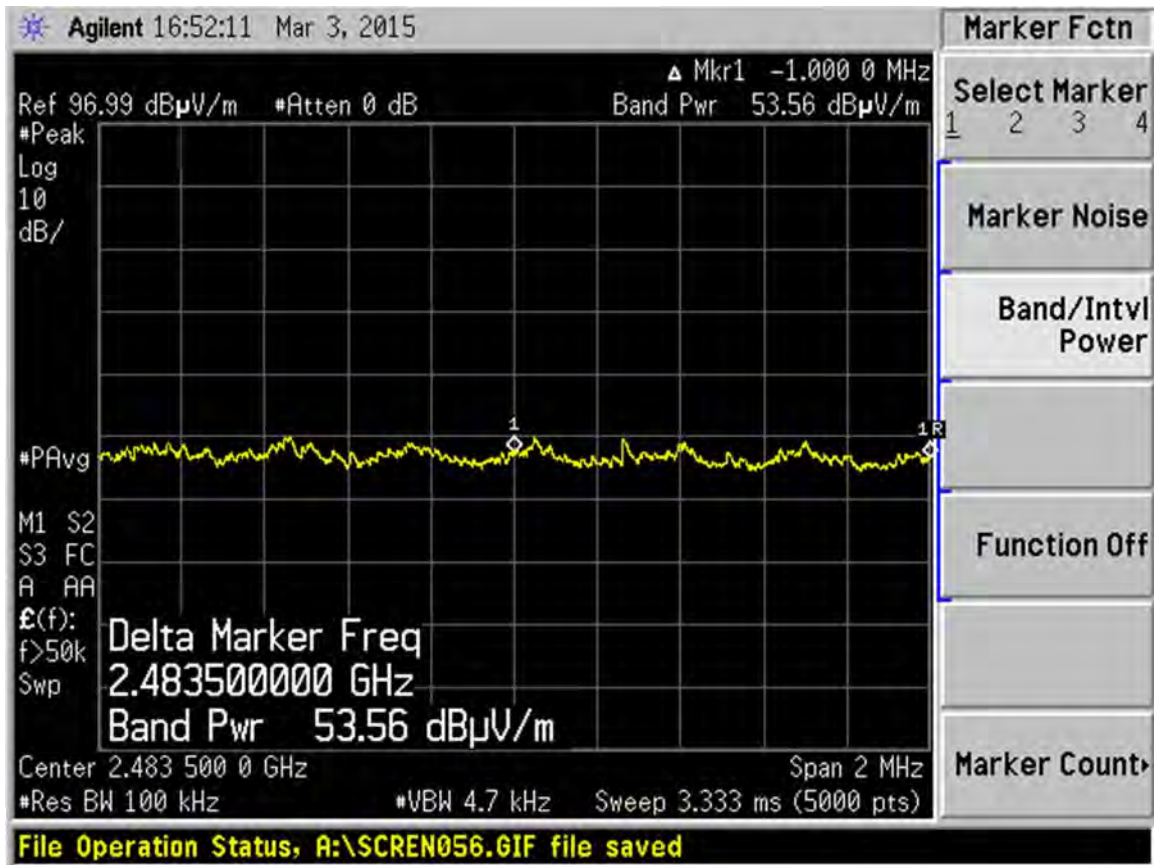
PEAK: Limit = 74 dB μ V/m @ 3 meters



Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2452 MHz, channel 9
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 16

VERTICAL:
AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 230 μ S, VBW = 4.7 kHz

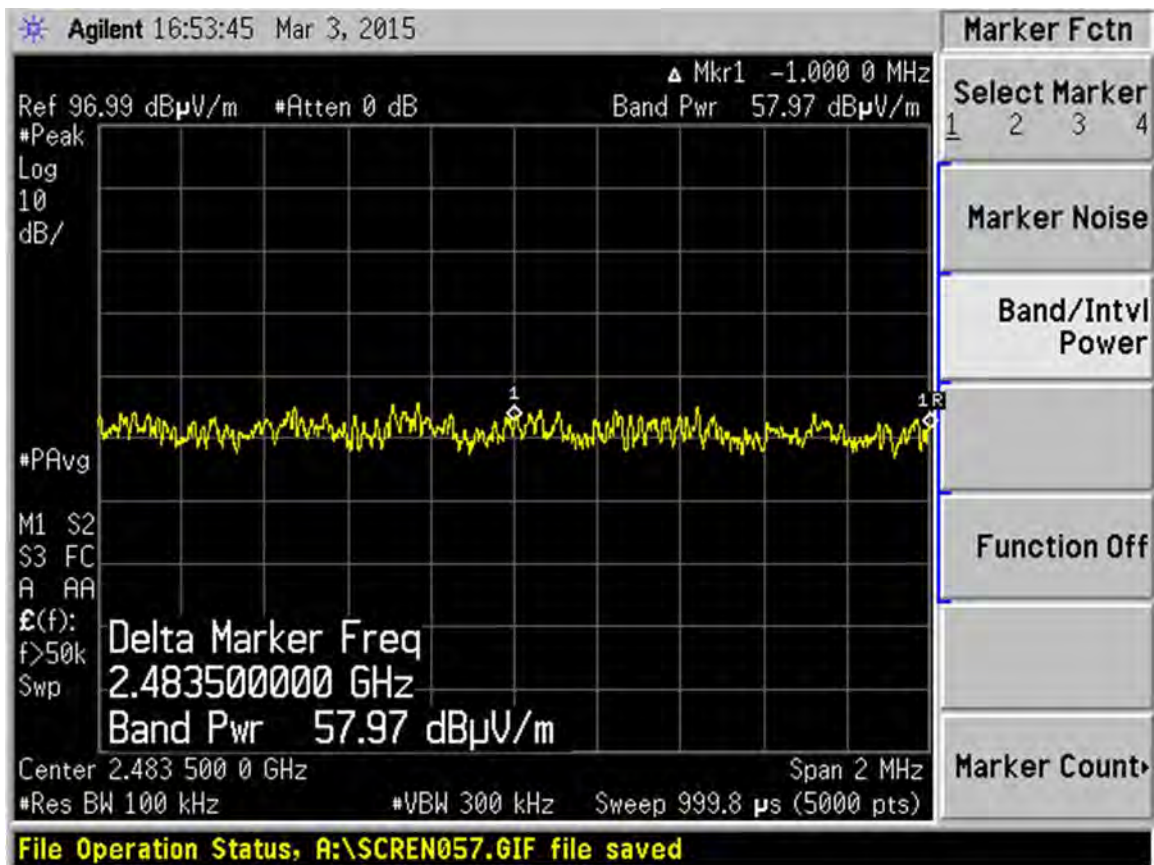


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2452 MHz; channel 9
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 16

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters

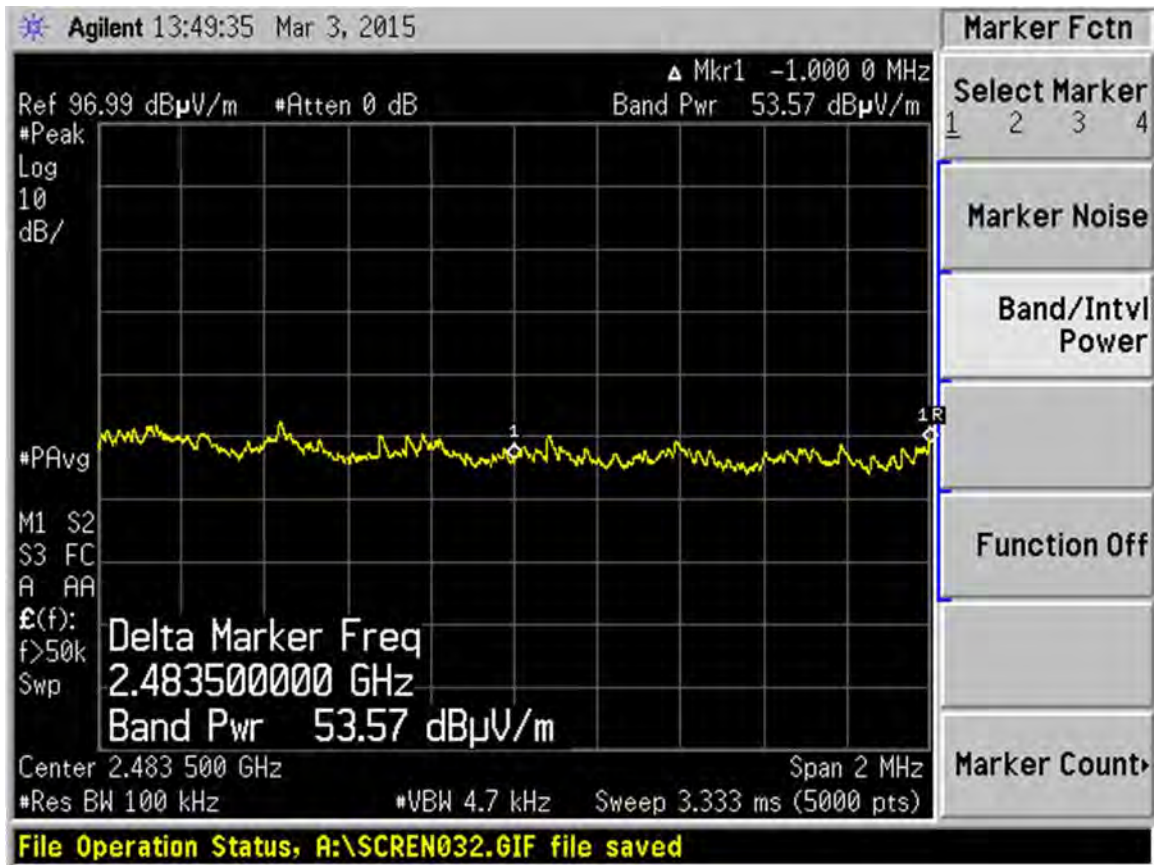


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2457 MHz, channel 10
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 15

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 230 μ S, VBW = 4.7 kHz

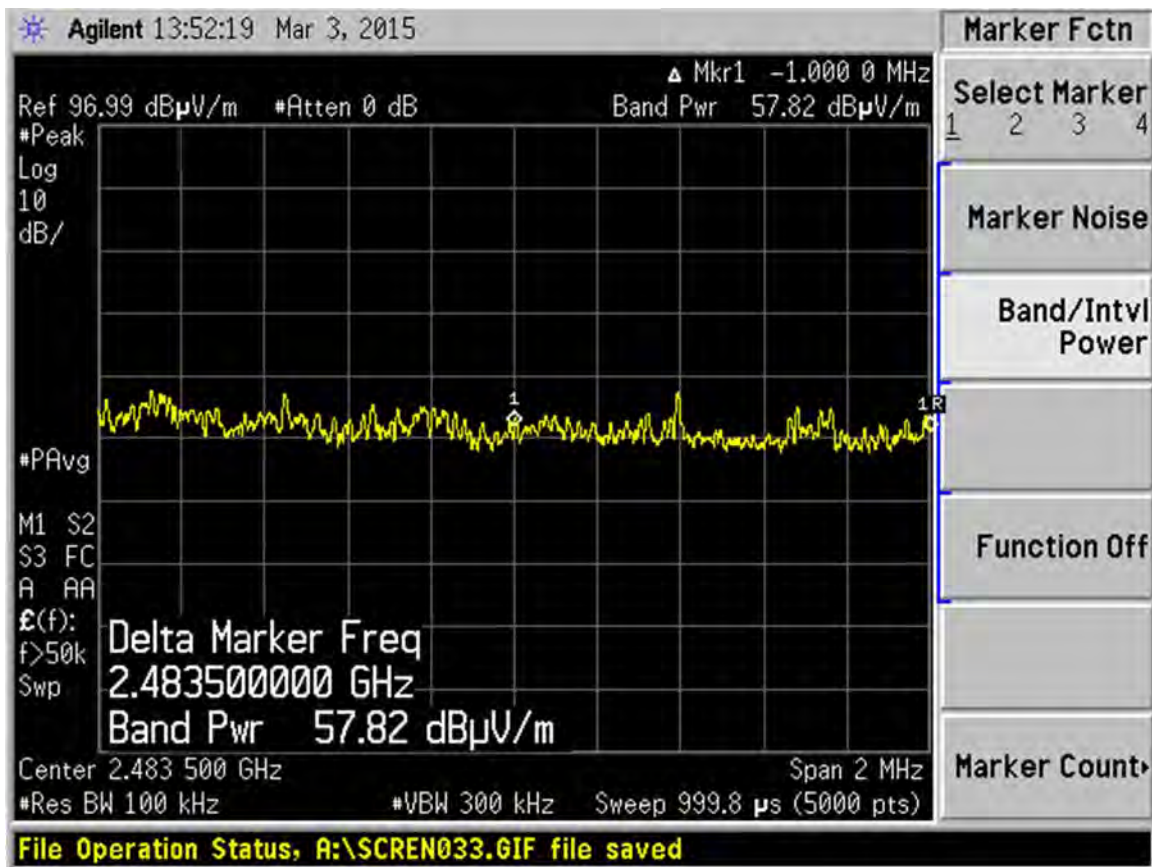


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2457 MHz; channel 10
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 15

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



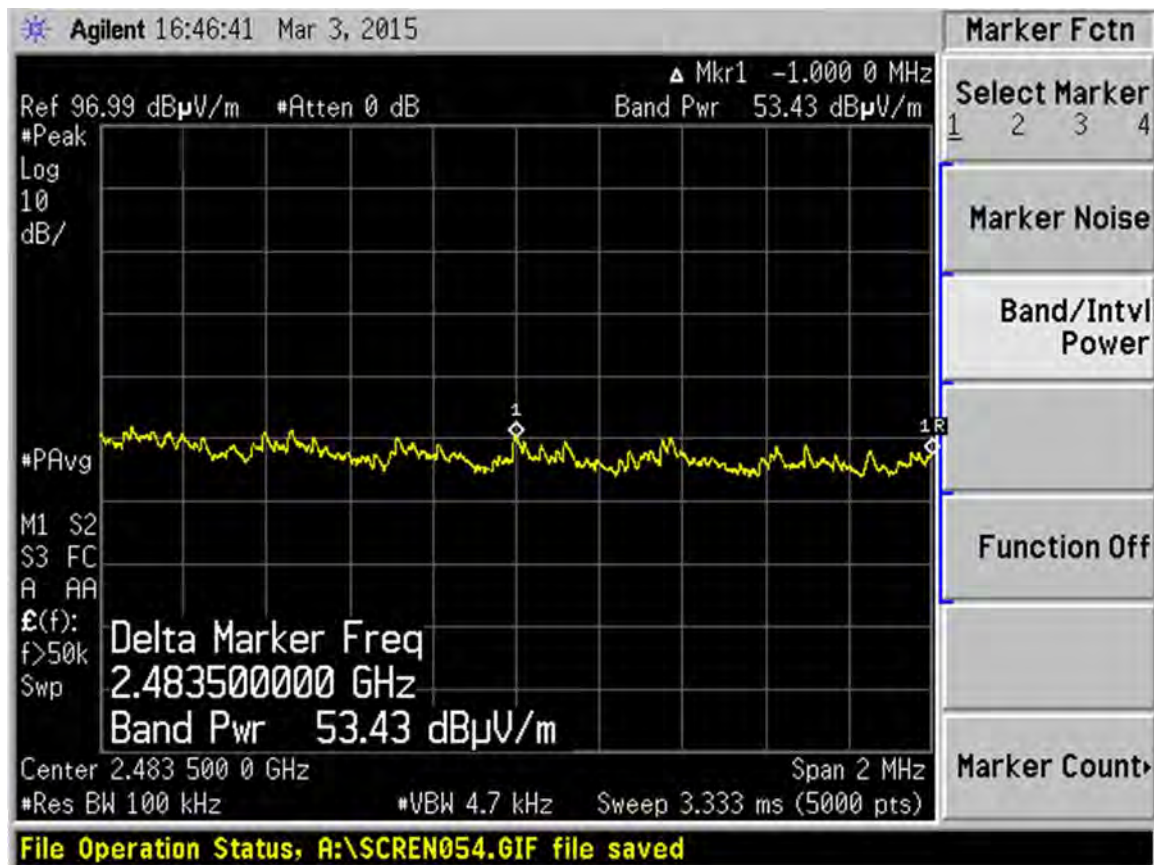
Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2457 MHz, channel 10
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 15

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ s, VBW = 4.7 kHz

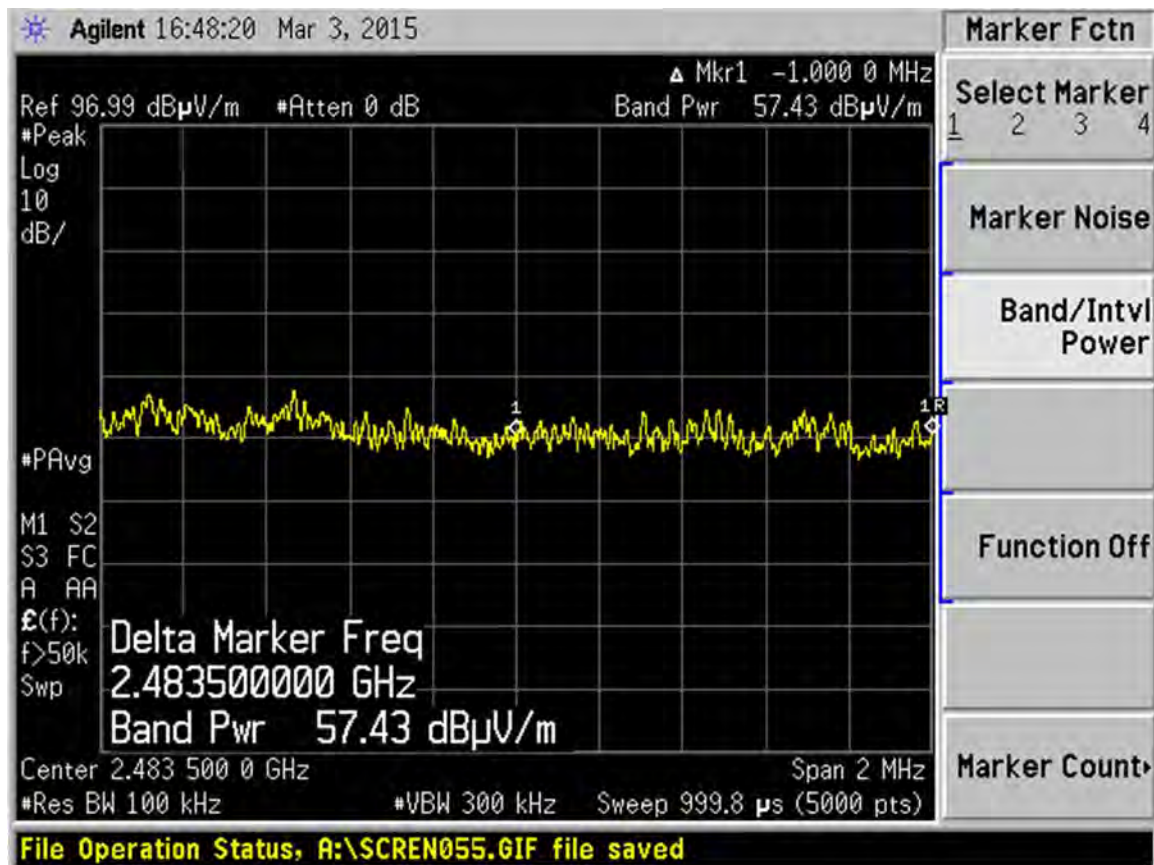


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: 2457 MHz; channel 10
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 15

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters

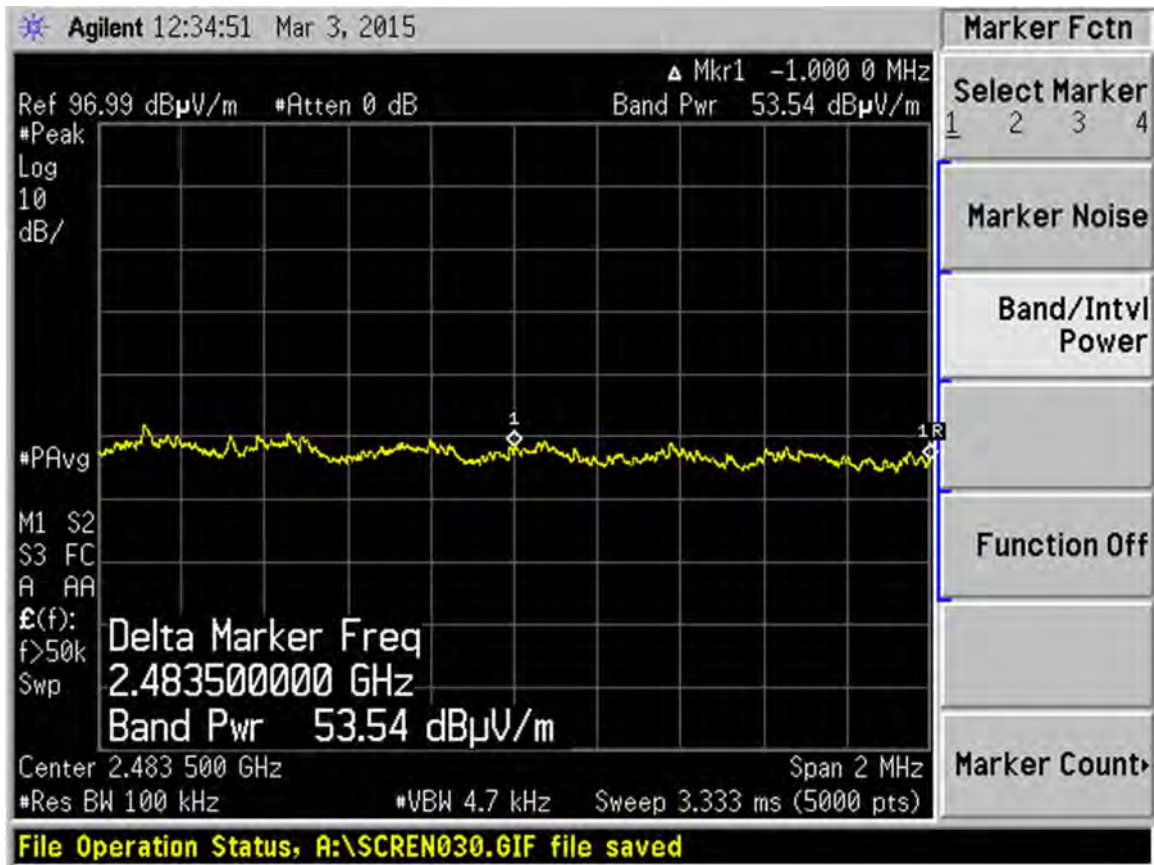


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 10

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 230 μ s, VBW = 4.7 kHz

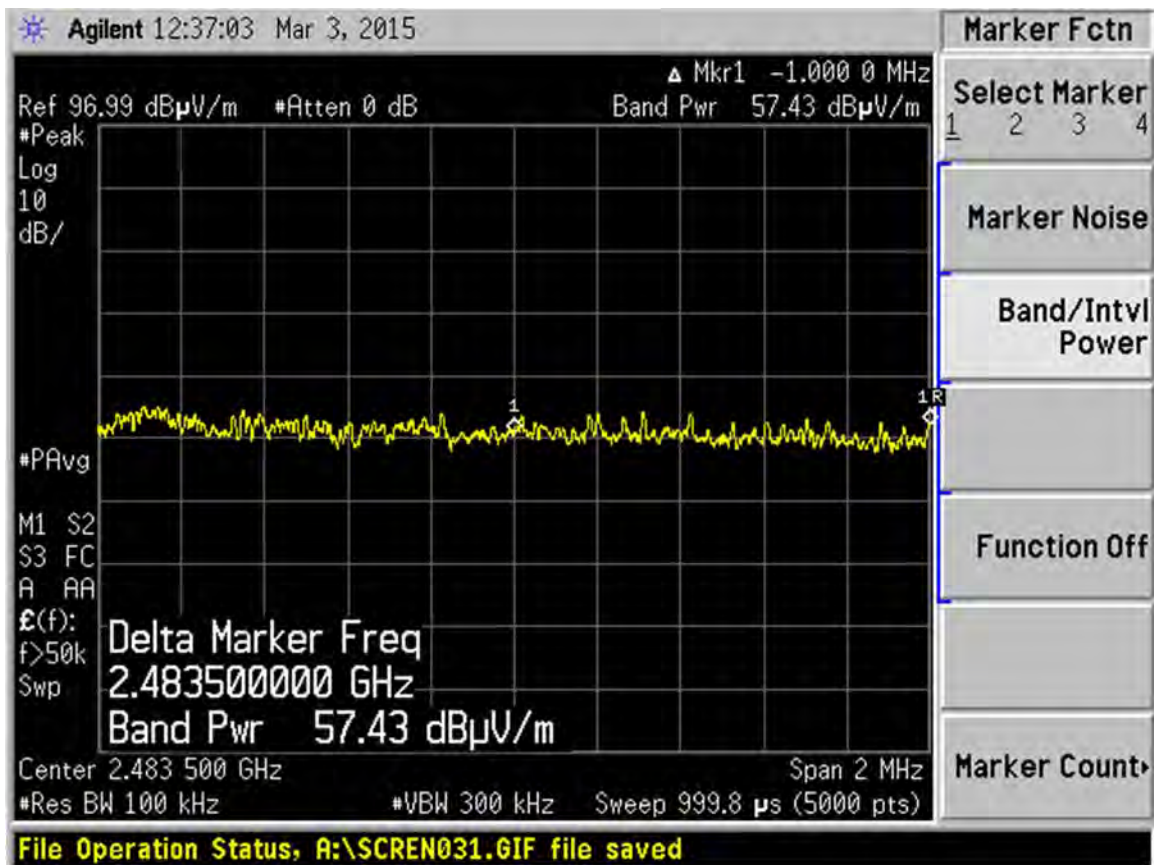


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz; channel 11
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 10

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



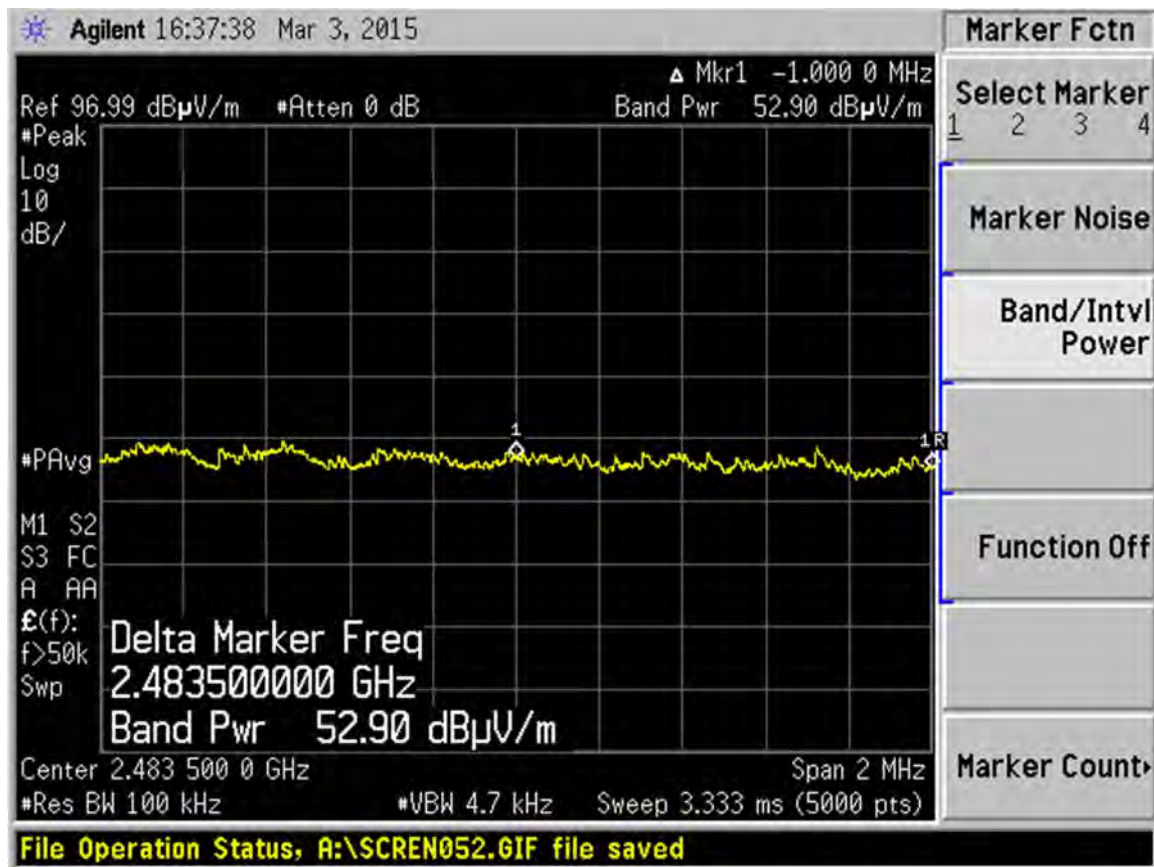
Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 10

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ S, VBW = 4.7 kHz

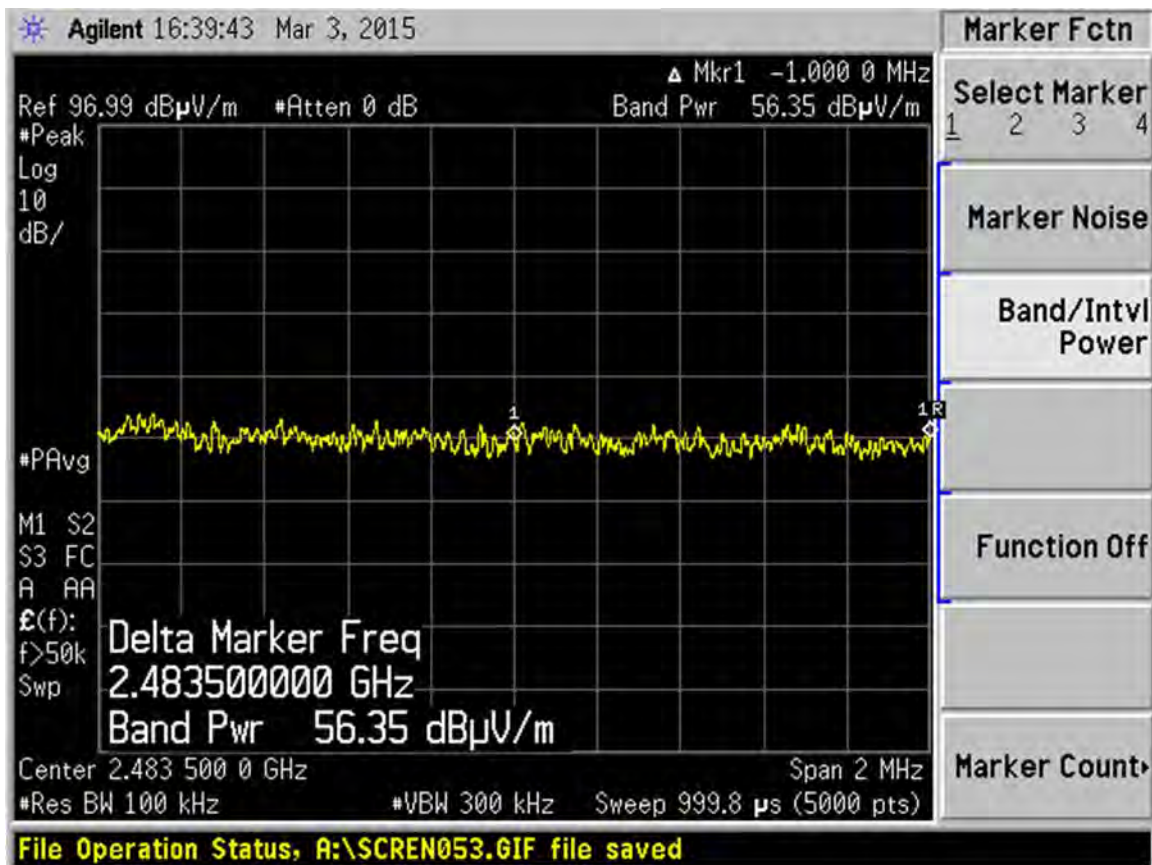


Test Date: 03-03-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 1
Channel: High, 2462 MHz; channel 11
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 10

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



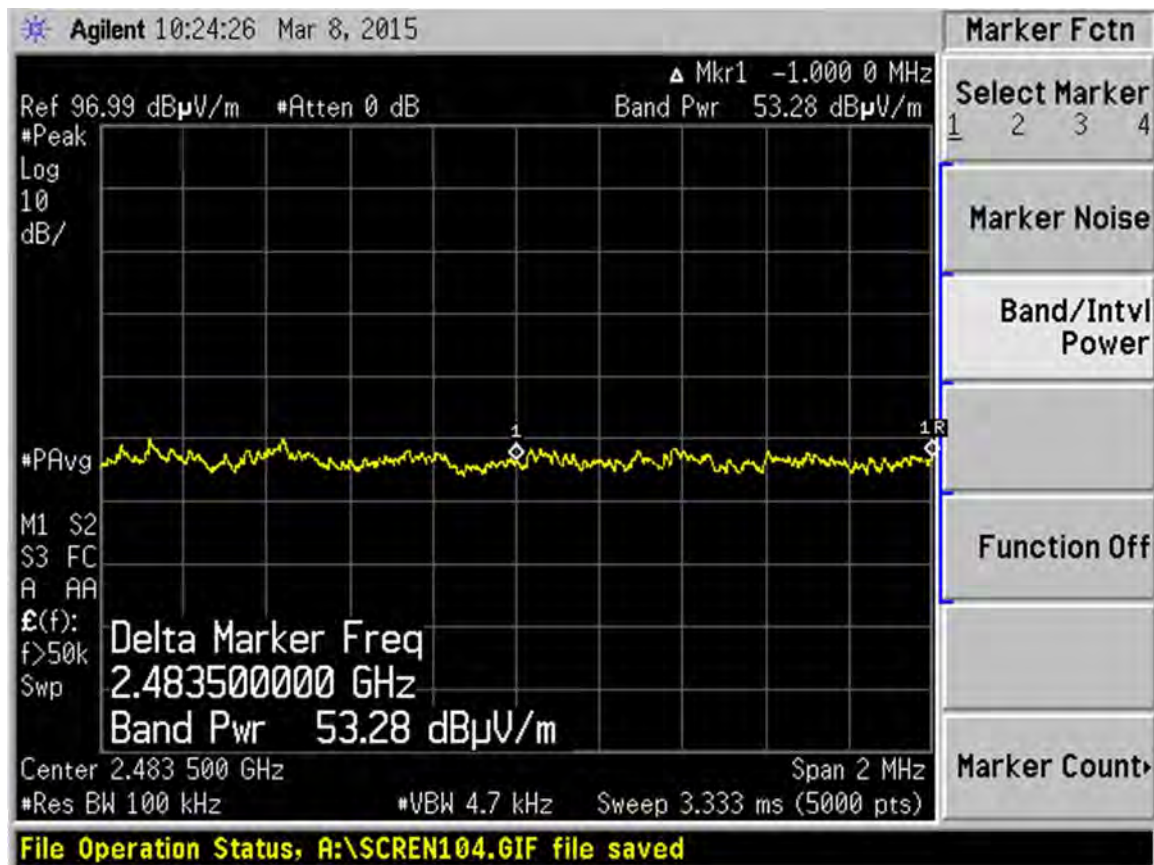
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2442 MHz, channel 7
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 17

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ s, VBW = 4.7 kHz

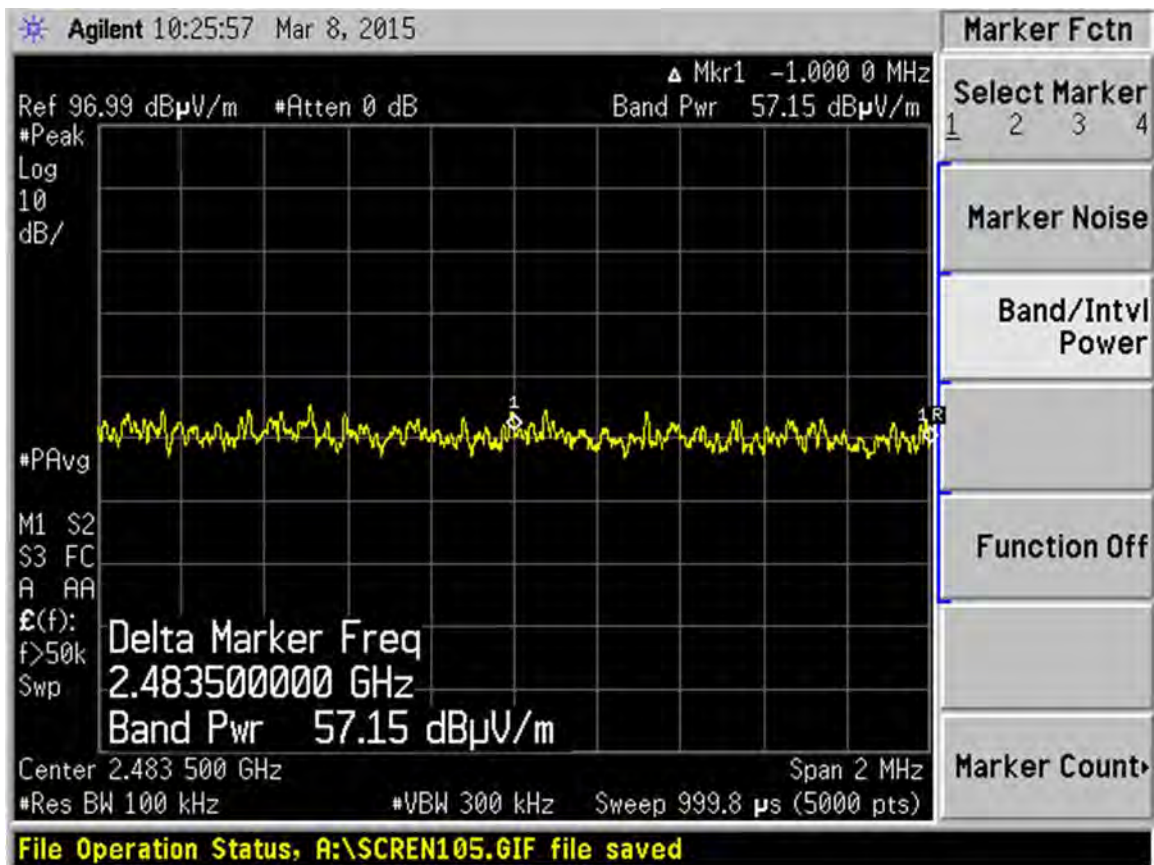


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2442 MHz; channel 7
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 17

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



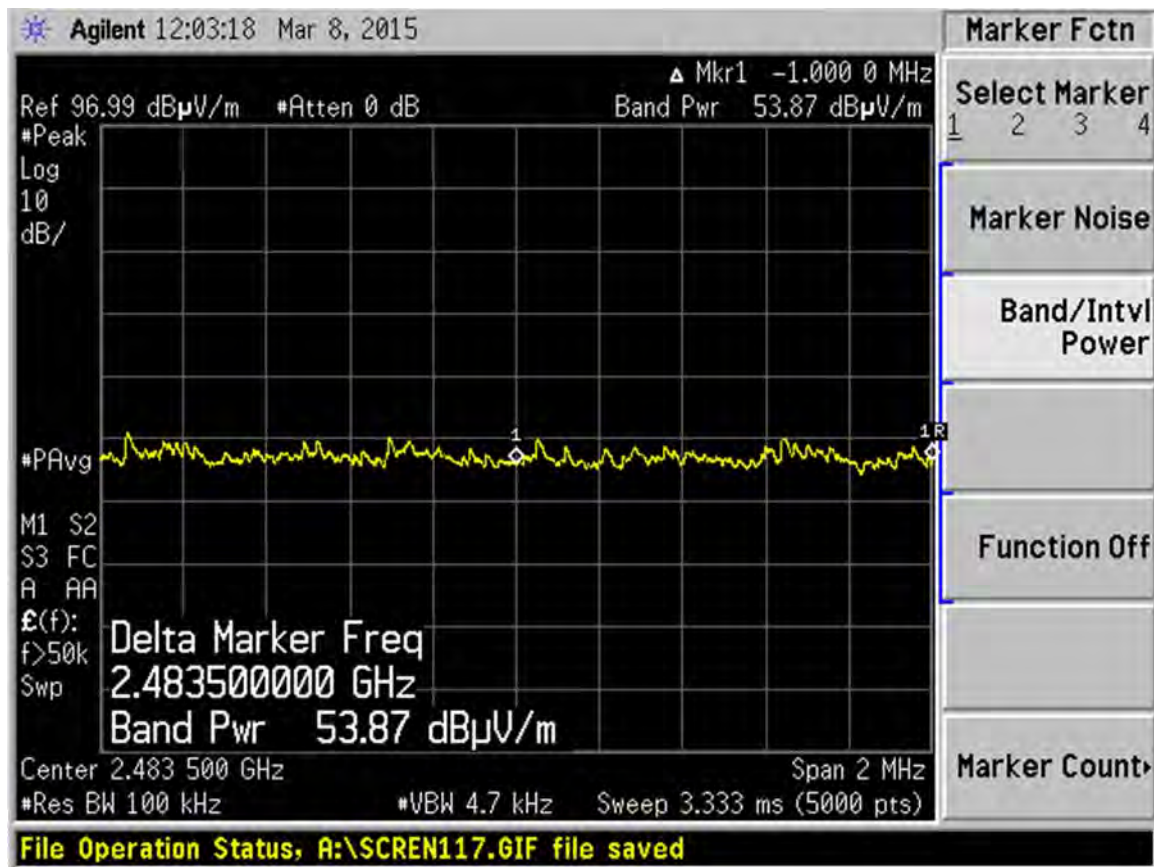
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2442 MHz, channel 7
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 17

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ s, VBW = 4.7 kHz

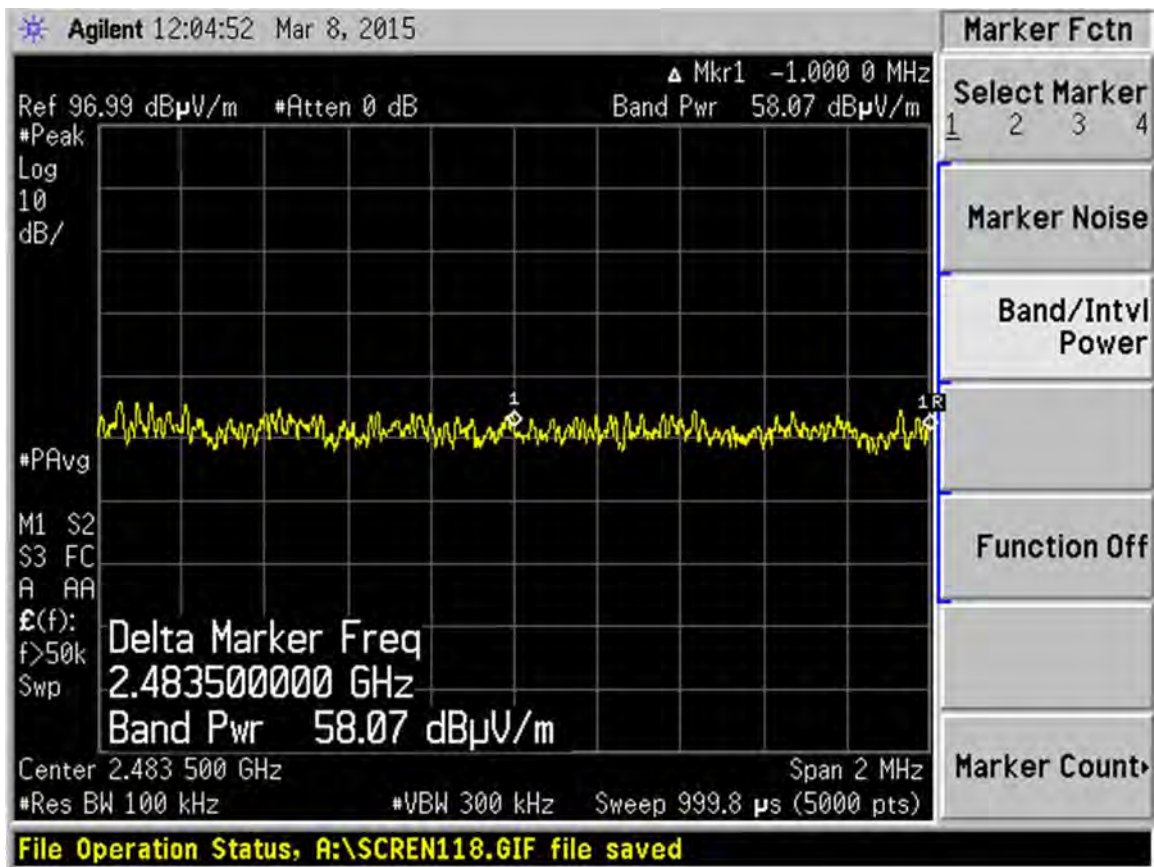


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2442 MHz; channel 7
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 17

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



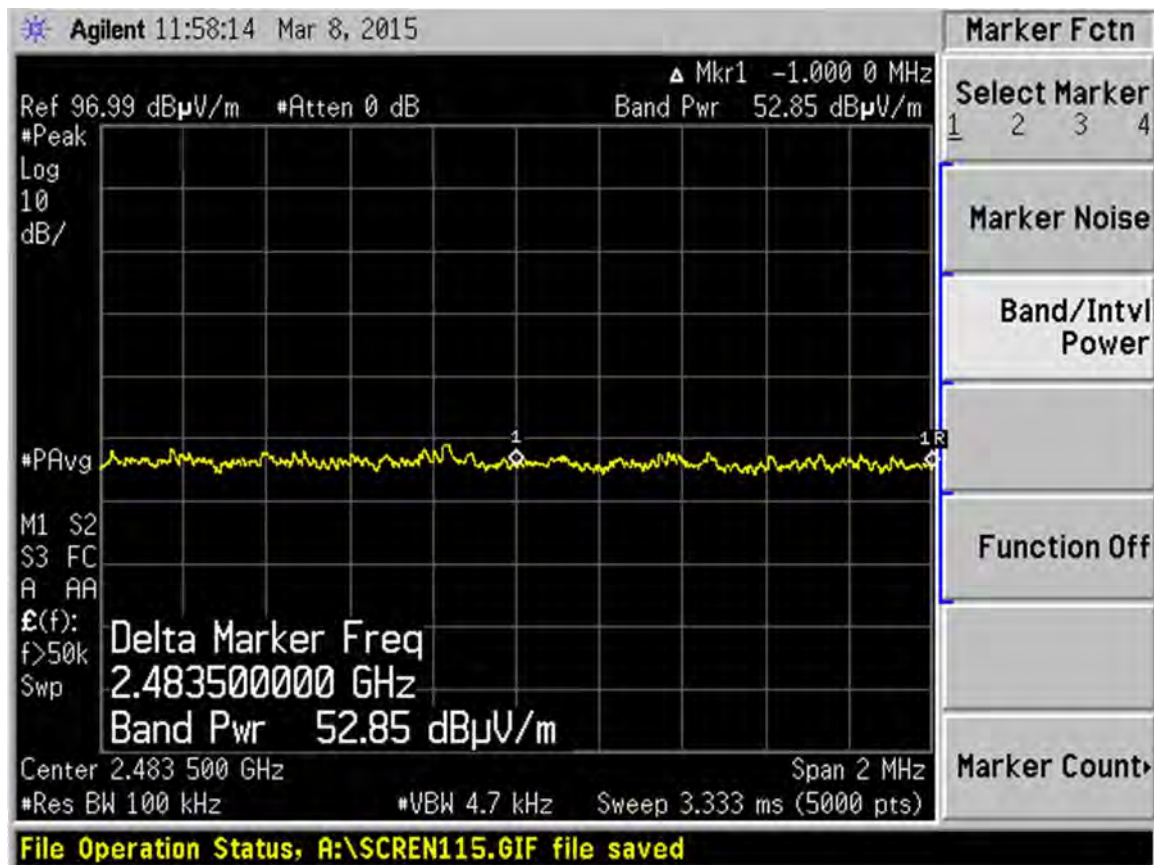
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2447 MHz, channel 8
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 15

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ s, VBW = 4.7 kHz

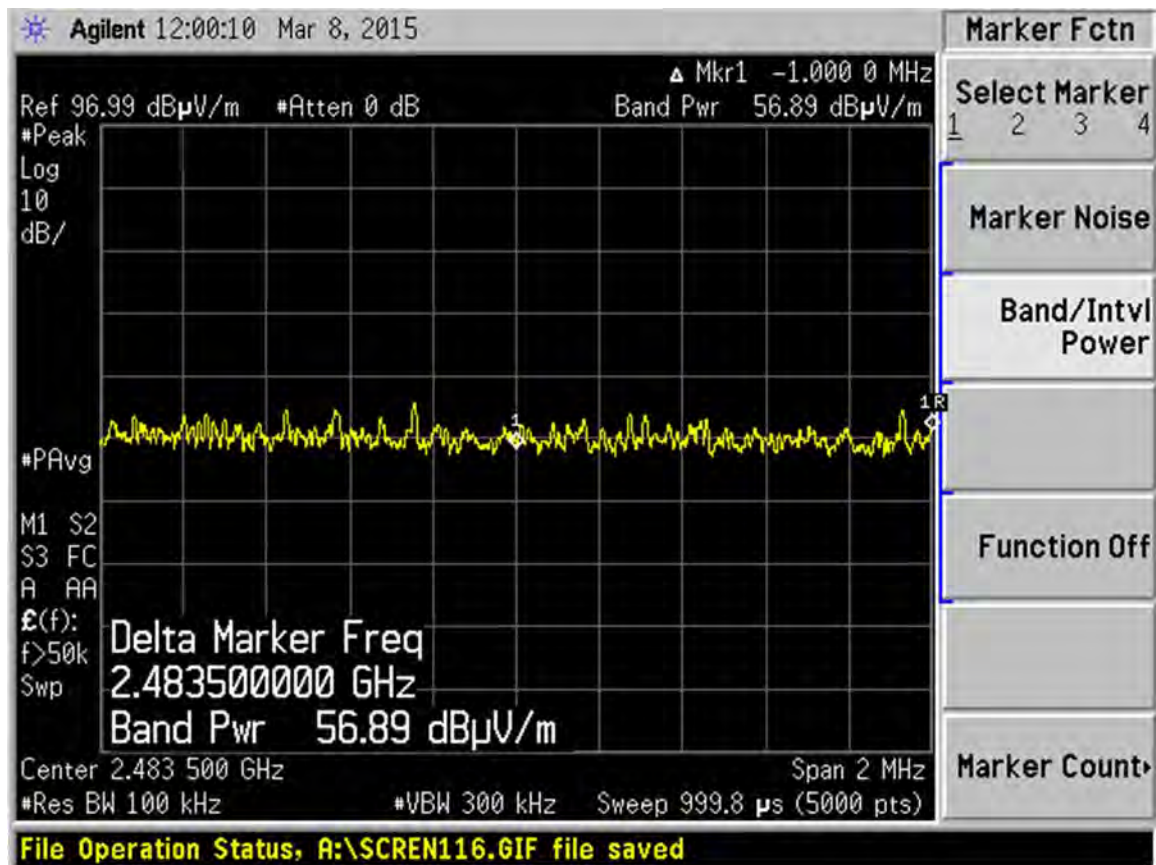


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2447 MHz; channel 8
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 15

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters

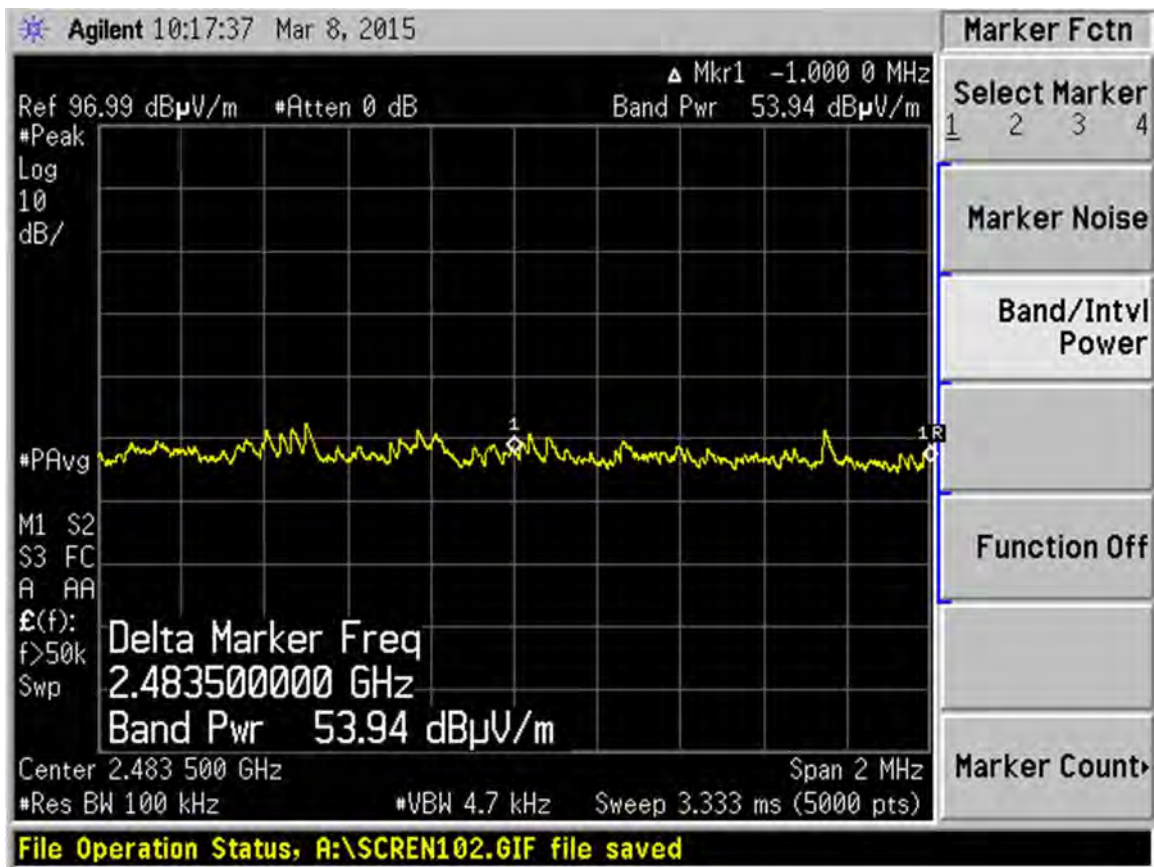


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2447 MHz, channel 8
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 16

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 230 μ s, VBW = 4.7 kHz

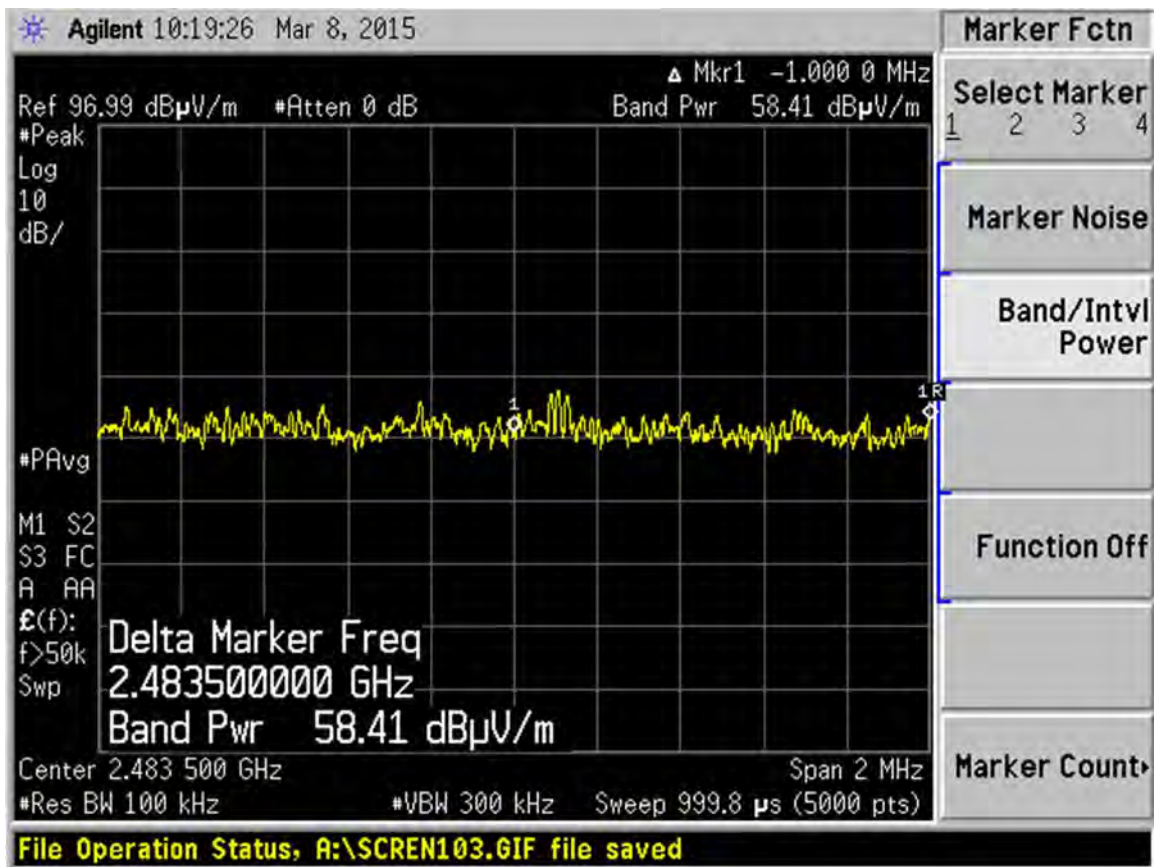


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2447 MHz; channel 8
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 16

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



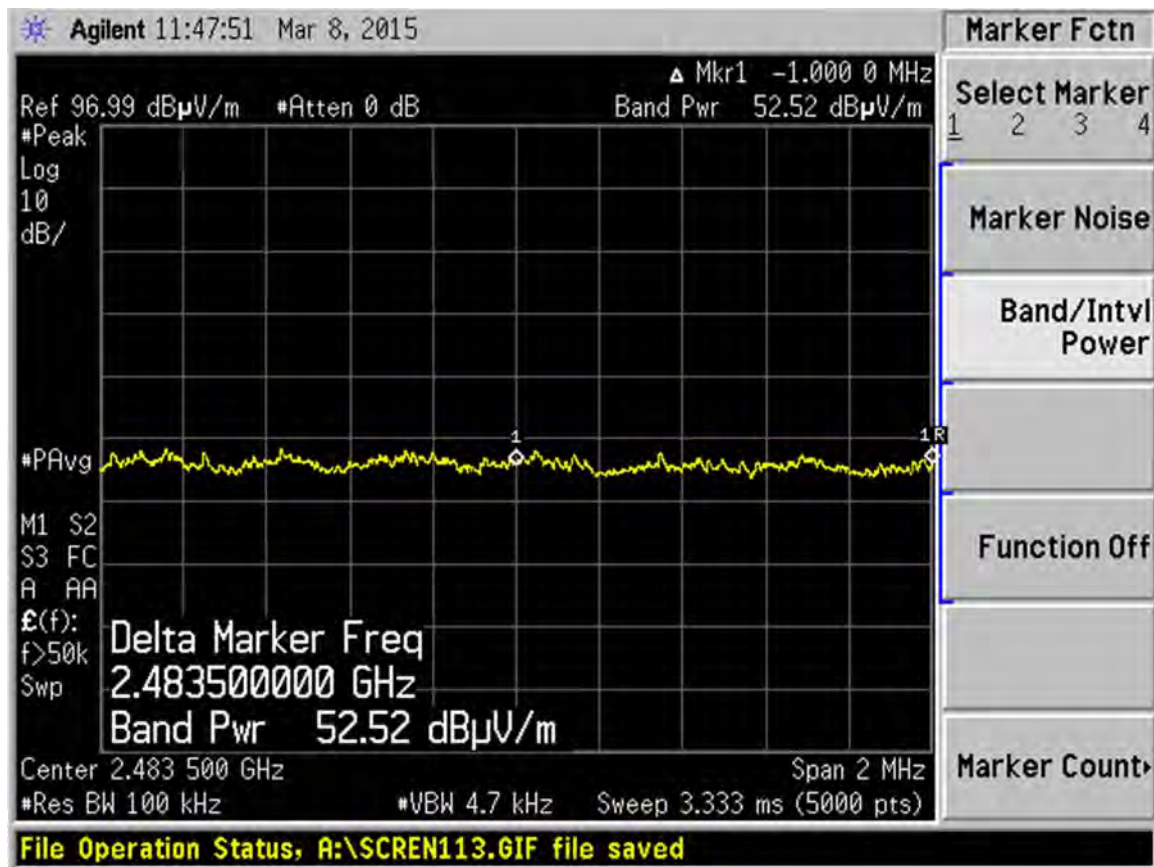
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2452 MHz, channel 9
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 14

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ s, VBW = 4.7 kHz

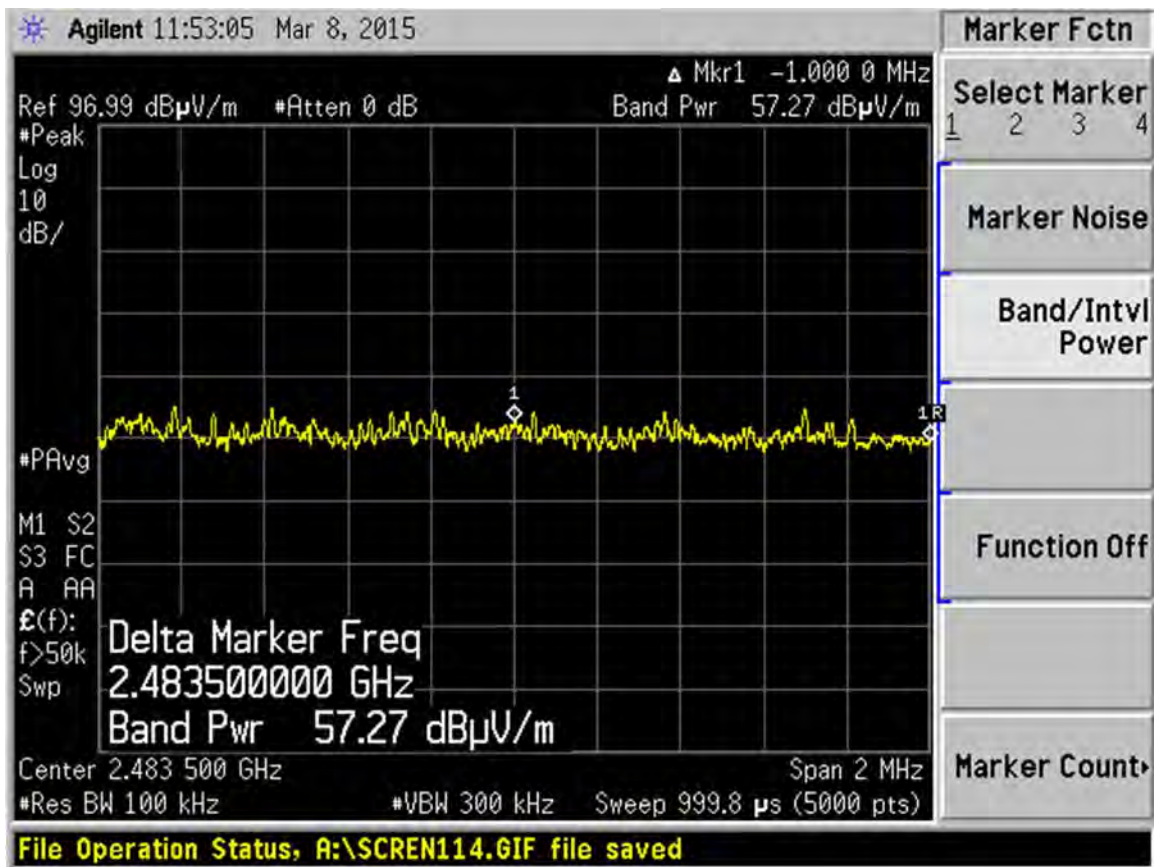


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2452 MHz; channel 9
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 14

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



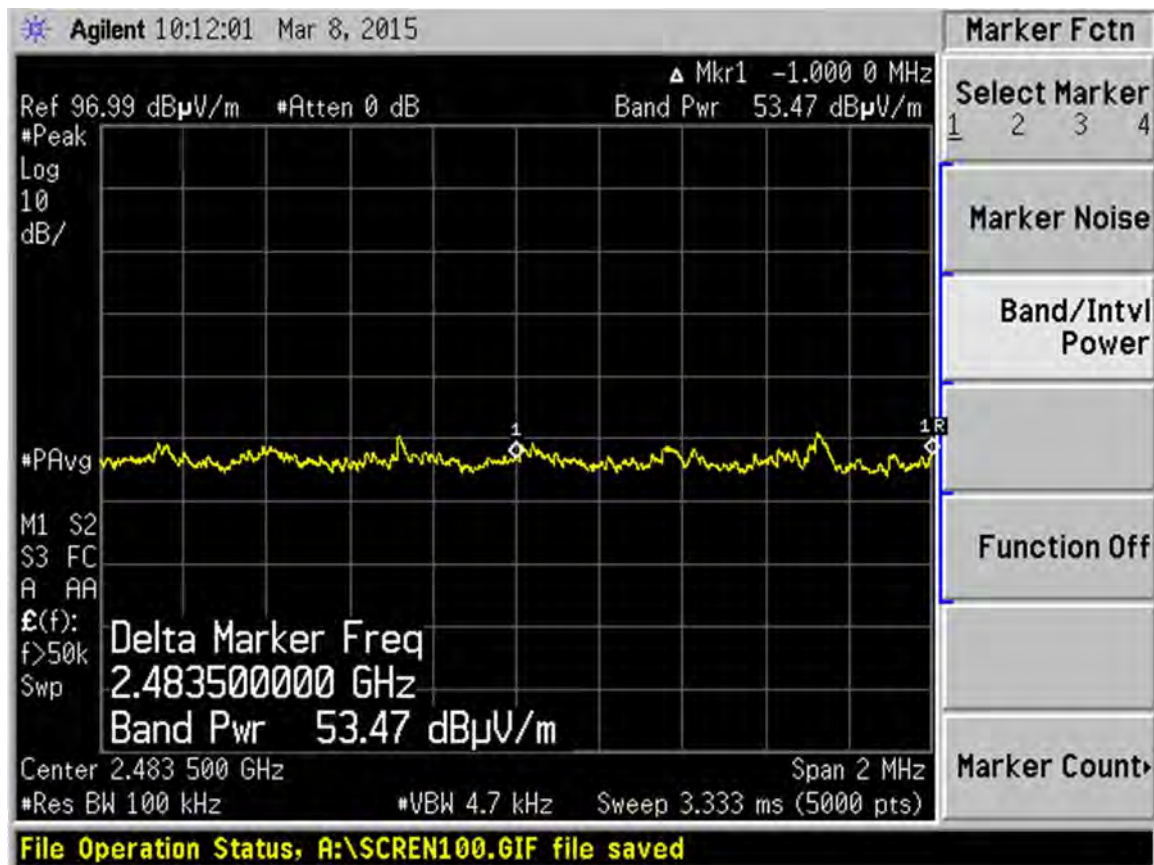
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2452 MHz, channel 9
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 15

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ S, VBW = 4.7 kHz

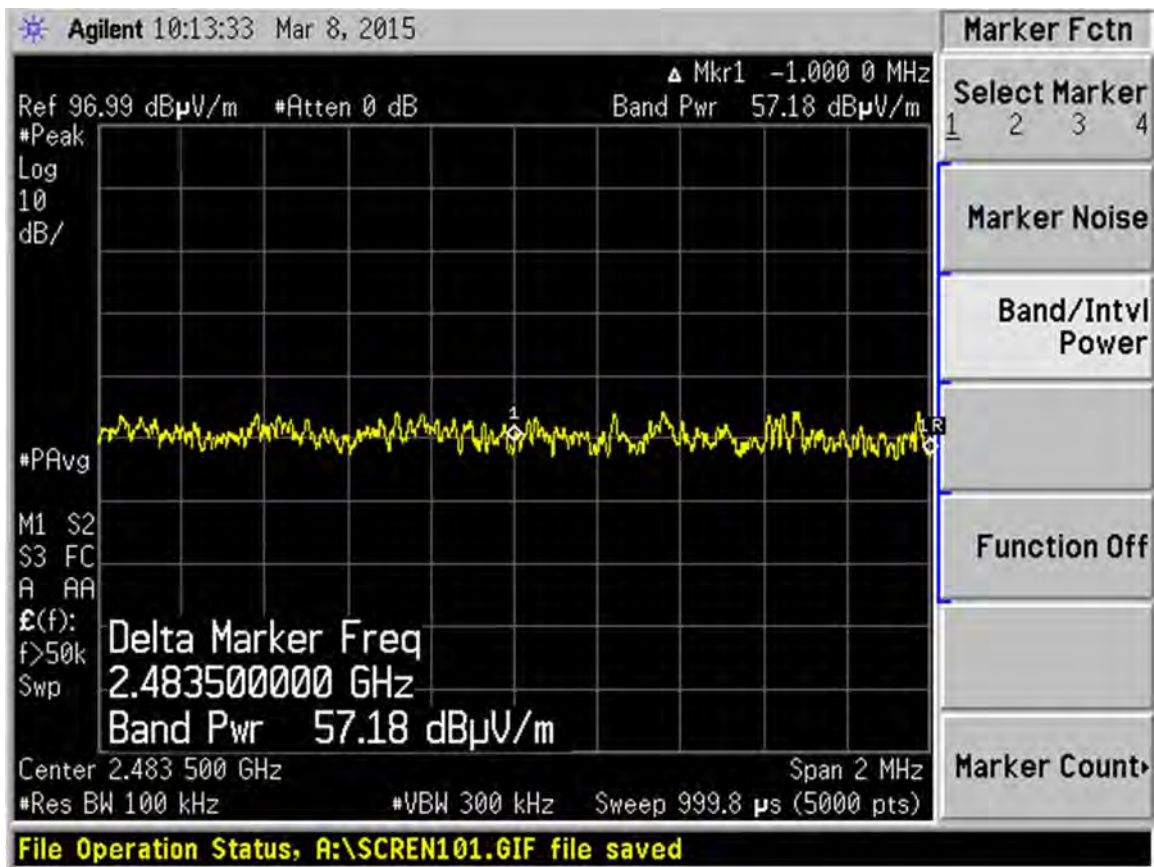


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2452 MHz; channel 9
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 15

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



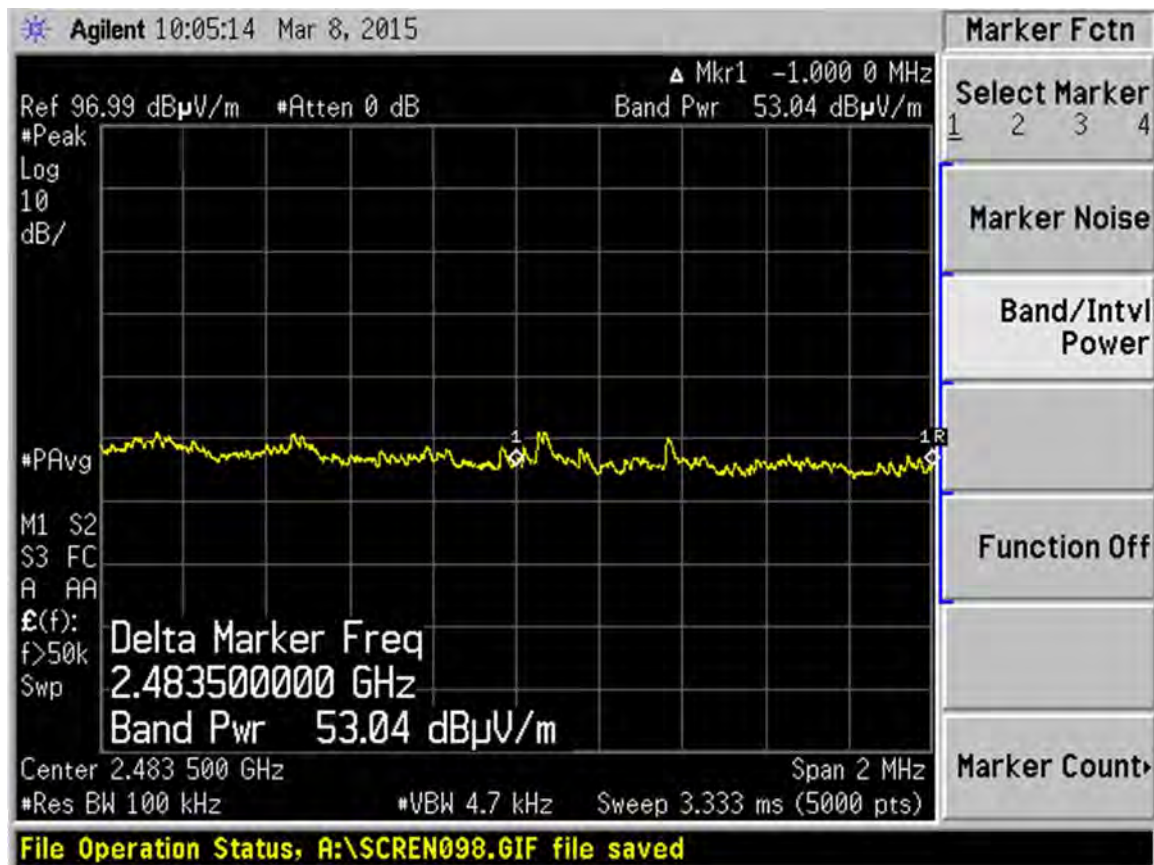
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2457 MHz, channel 10
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 14

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ s, VBW = 4.7 kHz

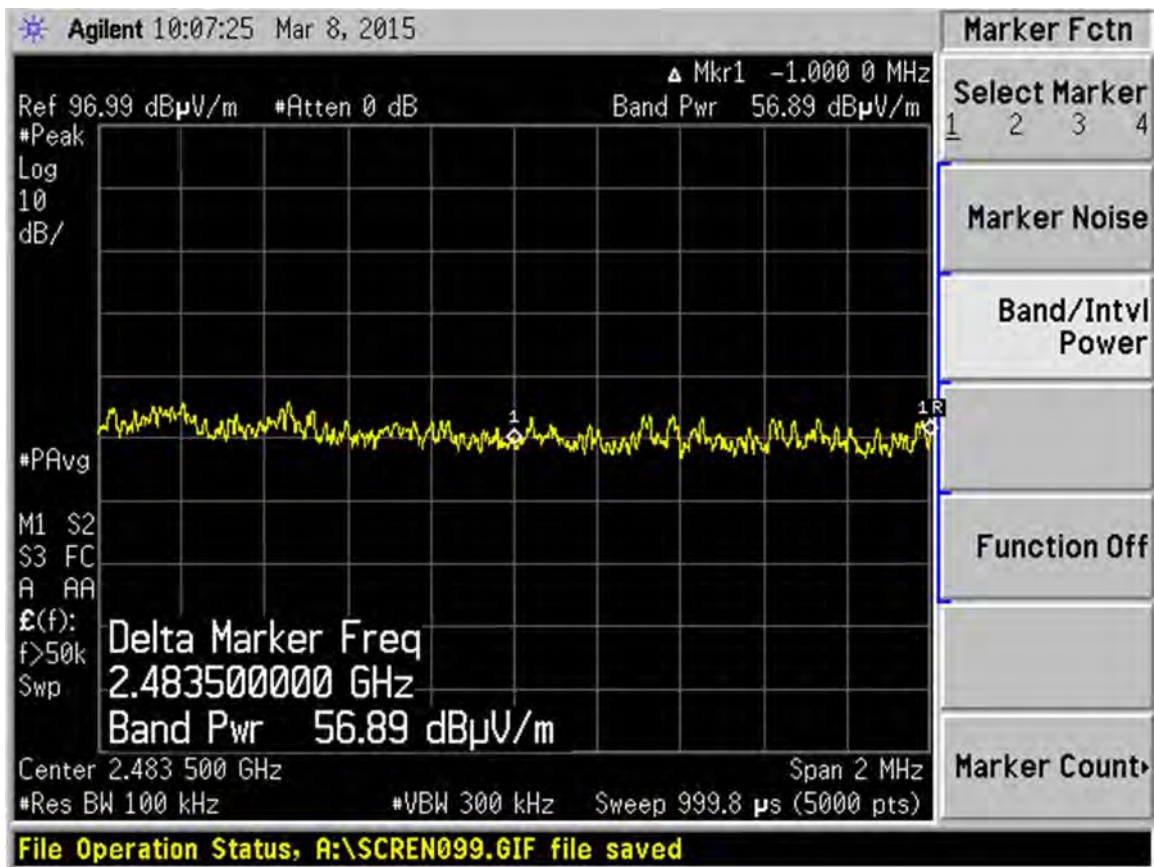


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2457 MHz; channel 10
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 14

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



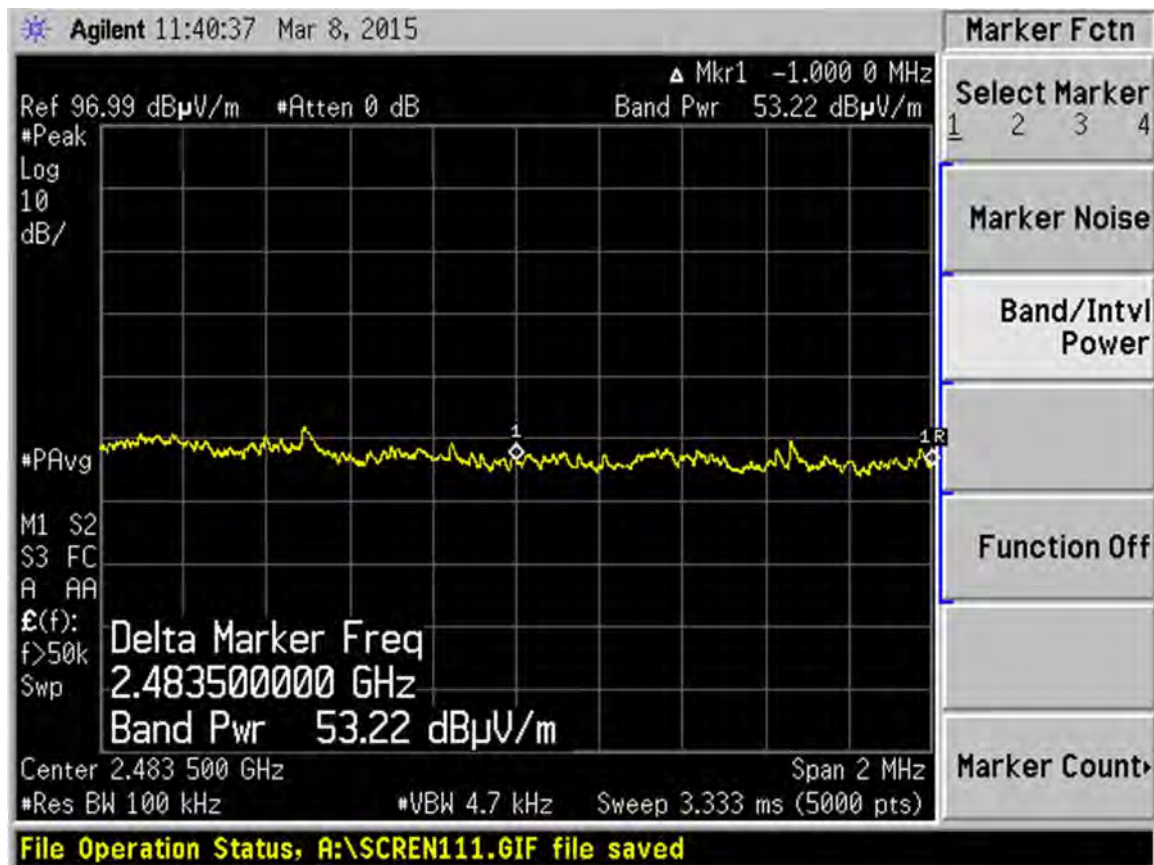
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2457 MHz, channel 10
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 14

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ S, VBW = 4.7 kHz

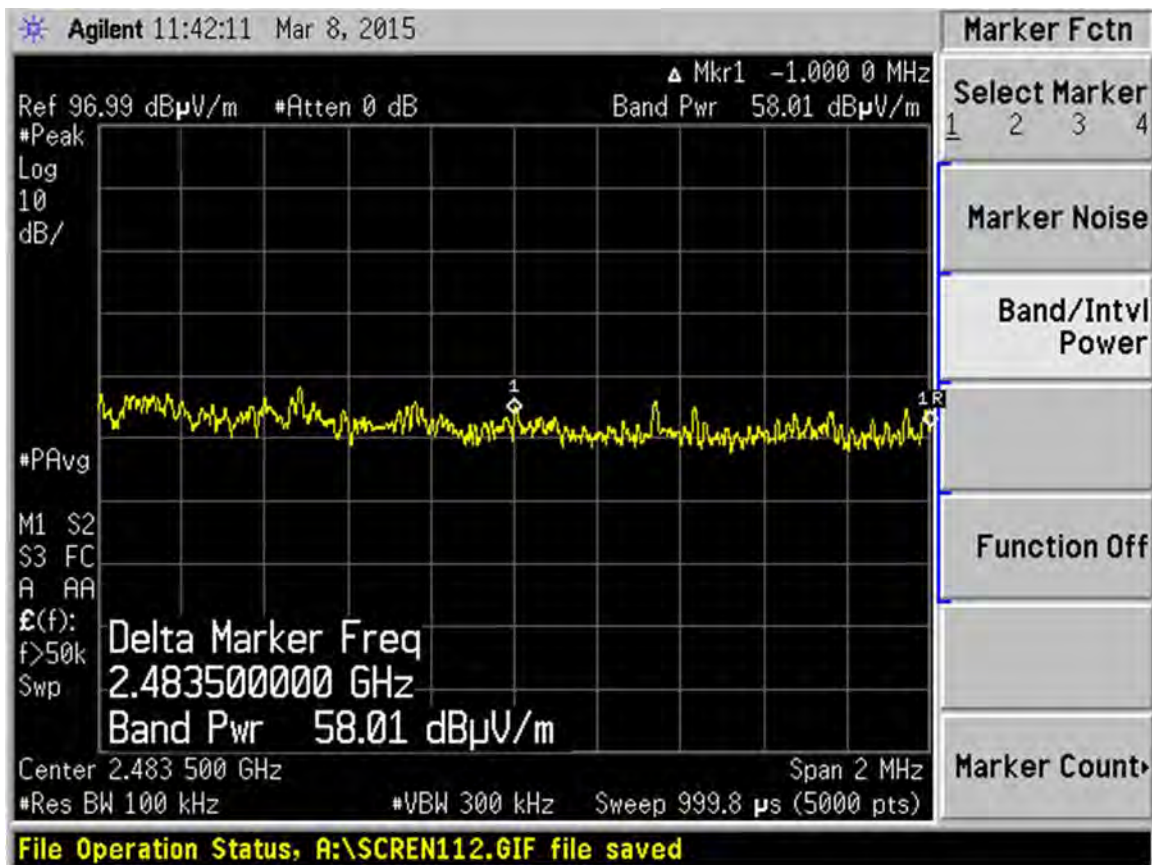


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2457 MHz; channel 10
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 14

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters

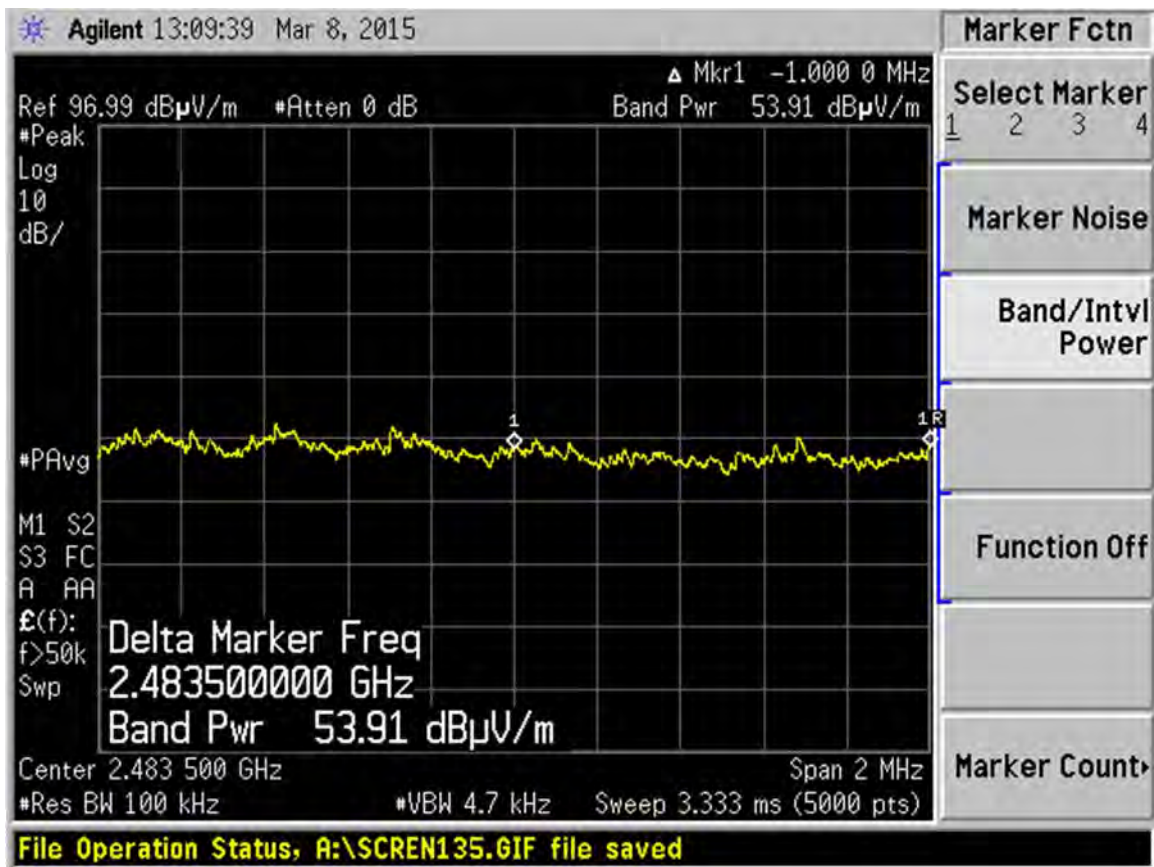


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 9

HORIZONTAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters
Using procedure 13.3.3, T = 230 μ S, VBW = 4.7 kHz

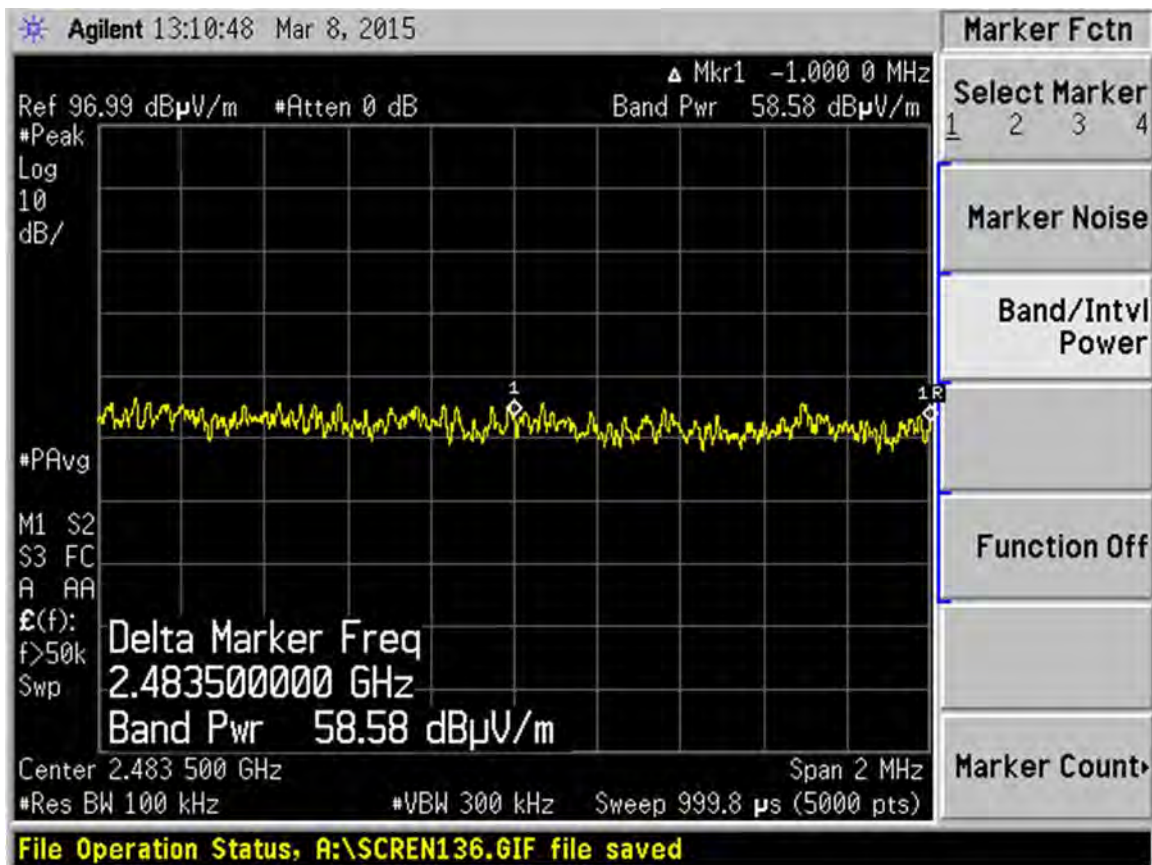


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz; channel 11
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 9

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



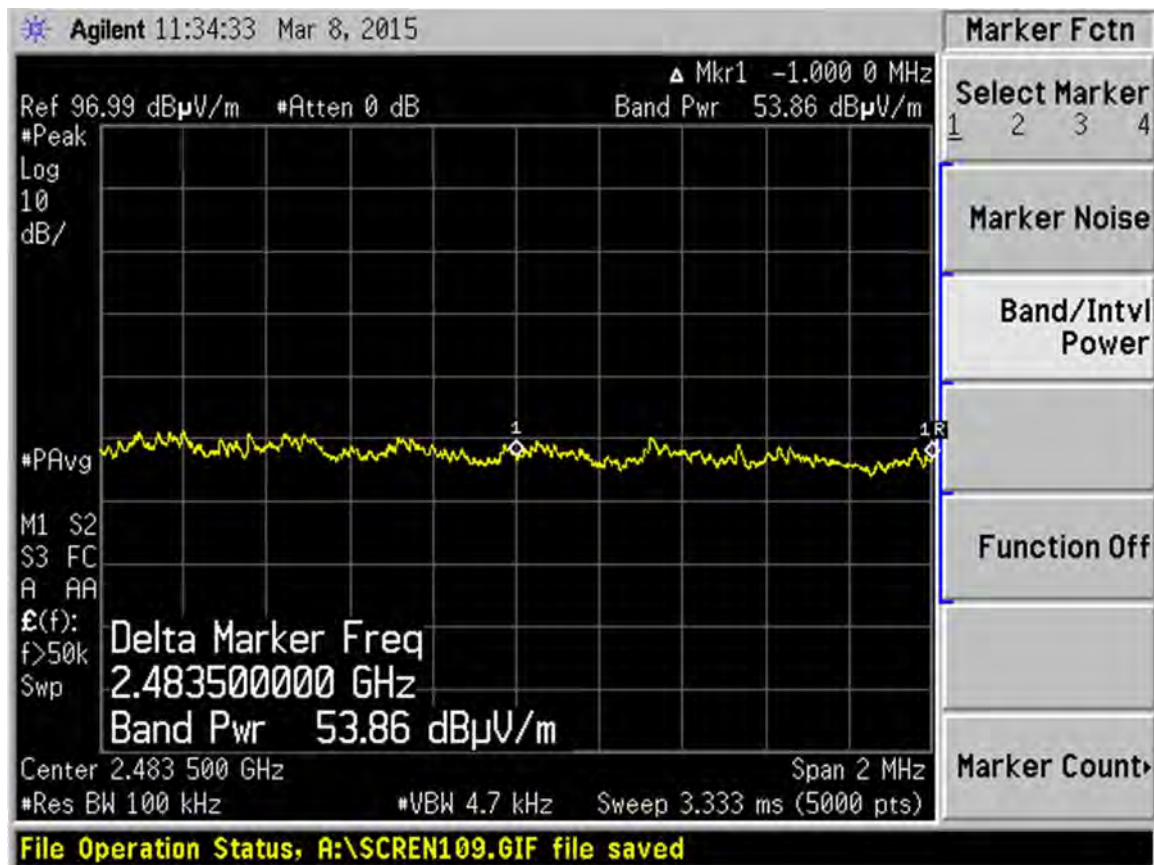
Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 9

VERTICAL:

AVERAGE: Limit = 54 dB μ V/m @ 3 meters

Using procedure 13.3.3, T = 230 μ s, VBW = 4.7 kHz

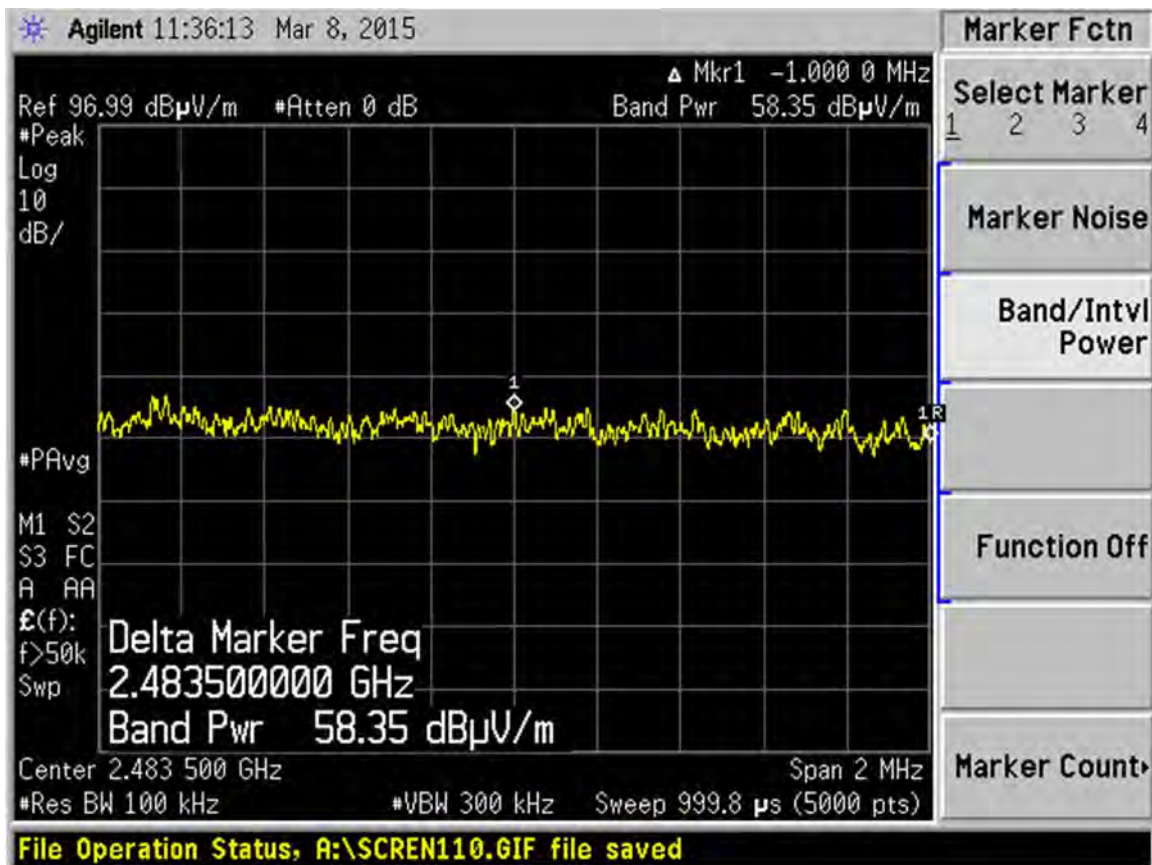


Test Date: 03-08-2015
Company: Whirlpool Corporation
EUT: XPWG3 RF module
Test: Upper Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: 2
Channel: High, 2462 MHz; channel 11
Modulation: 802.11-n, MCS7, 72.2 Mbps
Power setting: 9

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters





166 South Carter, Genoa City, WI 53128

Company:	Whirlpool Corporation
Model Tested:	XPWG3
Report Number:	20850
DLS Project:	7037

Appendix B

B8.0 AC Line Conducted Emissions

Rule Part:

15.207

Test Procedure:

ANSI C63.10-2009

Limit:

15.207(a)

Results:

Compliant

Notes:

The EUT was powered with 5 V DC through an external AC/DC power supply (Oriental Hero Ele. Fty., model OH-1048A0501200U2) that was connected to a Line Impedance Stabilization Network. The EUT was set to transmit at its maximum output power setting of 19 in DSSS mode, a modulating signal representative of the worst-case signal encountered in a real system operation.



Report issuing date : 03-18-2015

Standard : FCC Part 15.207
Test Type : Voltage Mains
Test Site : DLS O.F. Screen Room
Temperature : 69 °F
Humidity : 22 %
Test Specs : 120 V 60 Hz Line 1 AVERAGE
Operator : Craig B
DLS Project # : 7037
Result : Pass

EUT

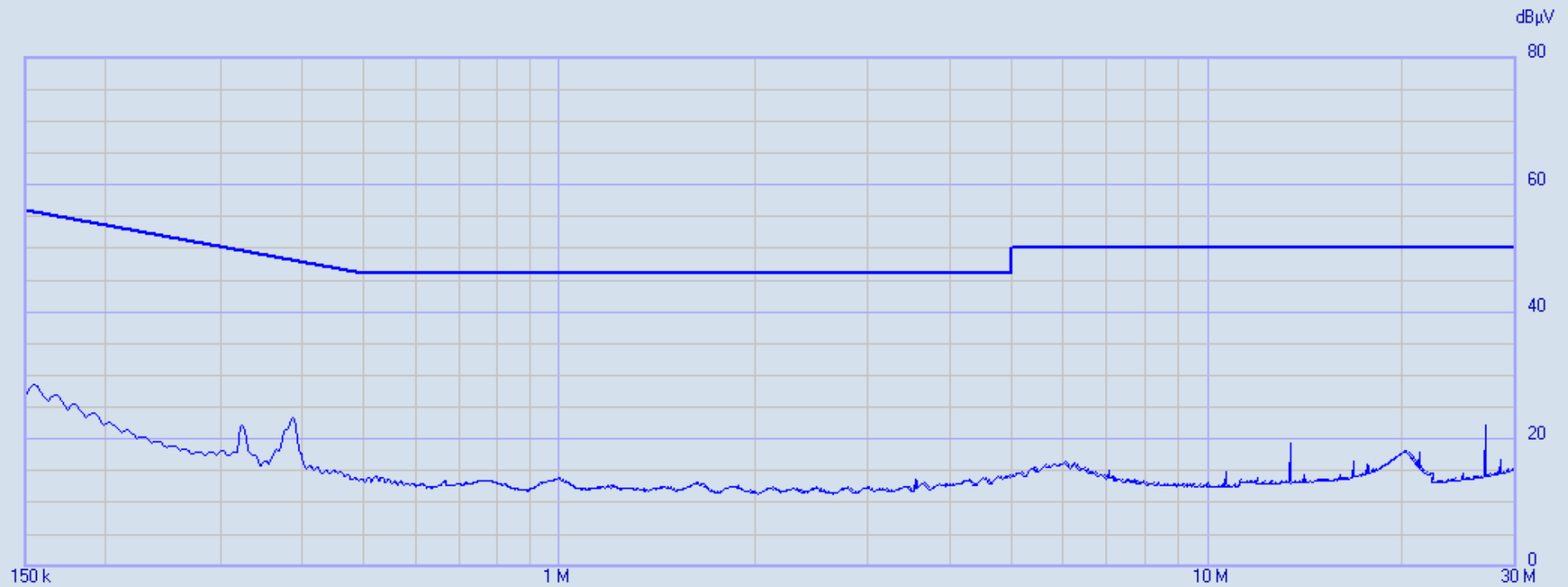
Manufacturer : Whirlpool Corp.
Model : XPWG3 RF Module
Product : Wifi Gen3
Notes : Transmit mode

Testing Company : DLS Electronic Systems
Telephone : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 03/25/2014

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



7037 Whirlpool XPWG3 120v L1 QP

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C	1500 ms	9 kHz	10	OFF	ON

Ancillary = General
Nr. of Worst = Infinite (2)

Limits:
FCC Class B V AV

Factors:
C43&45 150k-30M
DLS#592
LISN DLS#128
E-M L705

C-Avg —

7037 Whirlpool XPWG3 120v L1 QP 18/03/2015 15:19:33

Rel. SW 2.19 (July 2014)

Rel. FW 1.44 15/05/14

Margin: 27 dB

	Frequency	C-Avg	Limit	Delta	Factor	Factor	Factor	Factor
	[MHz]	[dBµV]	FCC Class.. [dBµV]	[dB]	C43&45 15.. [dB]	DLS#592 [dB]	LISN DLS#.. [dB]	E-M L705 [dB]
1	0.376995	21.42	48.35	-26.93	0.09	0.99	0.61	9.74
2	0.37904	21.54	48.30	-26.76	0.09	0.99	0.60	9.74
3	0.381085	21.60	48.26	-26.66	0.09	0.98	0.60	9.74
4	0.38313	22.13	48.21	-26.08	0.09	0.98	0.60	9.74
5	0.385175	23.01	48.17	-25.16	0.09	0.98	0.60	9.74
6	0.38722	23.39	48.12	-24.73	0.09	0.97	0.59	9.75
7	0.389265	23.08	48.08	-25.00	0.09	0.97	0.59	9.75
8	0.39131	21.89	48.04	-26.15	0.08	0.96	0.59	9.75



Report issuing date : 03-18-2015

Standard : FCC Part 15.207
Test Type : Voltage Mains
Test Site : DLS O.F. Screen Room
Temperature : 69 °F
Humidity : 22 %
Test Specs : 120 V 60 Hz Line 1 QUASI-PEAK
Operator : Craig B
DLS Project # : 7037
Result : Pass

EUT

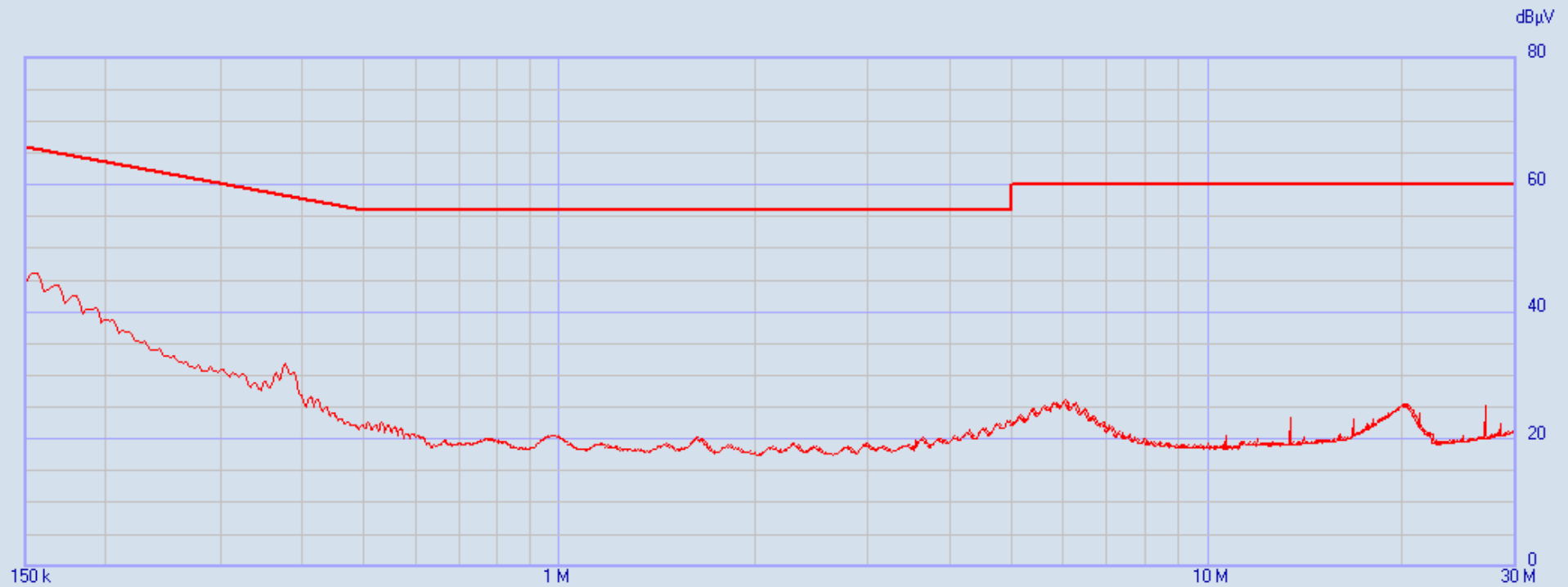
Manufacturer : Whirlpool Corp.
Model : XPWG3 RF Module
Product : Wifi Gen3
Notes : Transmit mode

Testing Company : DLS Electronic Systems
Telephone : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 03/25/2014

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



7037 Whirlpool XPWG3 120v L1 QP

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C	1500 ms	9 kHz	10	OFF	ON

Ancillary = General
Nr. of Worst = Infinite (2)

Limits:
FCC Class B V QP

Factors:
C43&45 150k-30M
DLS#592
LISN DLS#128
E-M L705

QPeak ———

7037 Whirlpool XPWG3 120v L1 QP 18/03/2015 15:19:33

Rel. SW 2.19 (July 2014)

Rel. FW 1.44 15/05/14

Margin: 21 dB

	Frequency	QPeak	Limit	Delta	Factor	Factor	Factor	Factor
	[MHz]	[dBμV]	FCC Class..	[dB]	C43&45 15..	DLS#592	LISN DLS#..	E-M L705
			[dBμV]		[dB]	[dB]	[dB]	[dB]
1	0.152045	45.72	65.89	-20.17	0.04	2.09	1.71	9.65
2	0.15409	46.08	65.78	-19.70	0.04	2.07	1.69	9.66
3	0.156135	45.99	65.67	-19.68	0.04	2.04	1.66	9.67
4	0.15818	45.17	65.56	-20.39	0.03	2.02	1.64	9.67
5	0.16636	44.22	65.14	-20.92	0.03	1.92	1.53	9.71
6	0.168405	44.10	65.04	-20.94	0.03	1.90	1.51	9.71



Report issuing date : 03-18-2015

Standard : FCC Part 15.207
Test Type : Voltage Mains
Test Site : DLS O.F. Screen Room
Temperature : 69 °F
Humidity : 22 %
Test Specs : 120 V 60 Hz Line 2 AVERAGE
Operator : Craig B
DLS Project # : 7037
Result : Pass

EUT

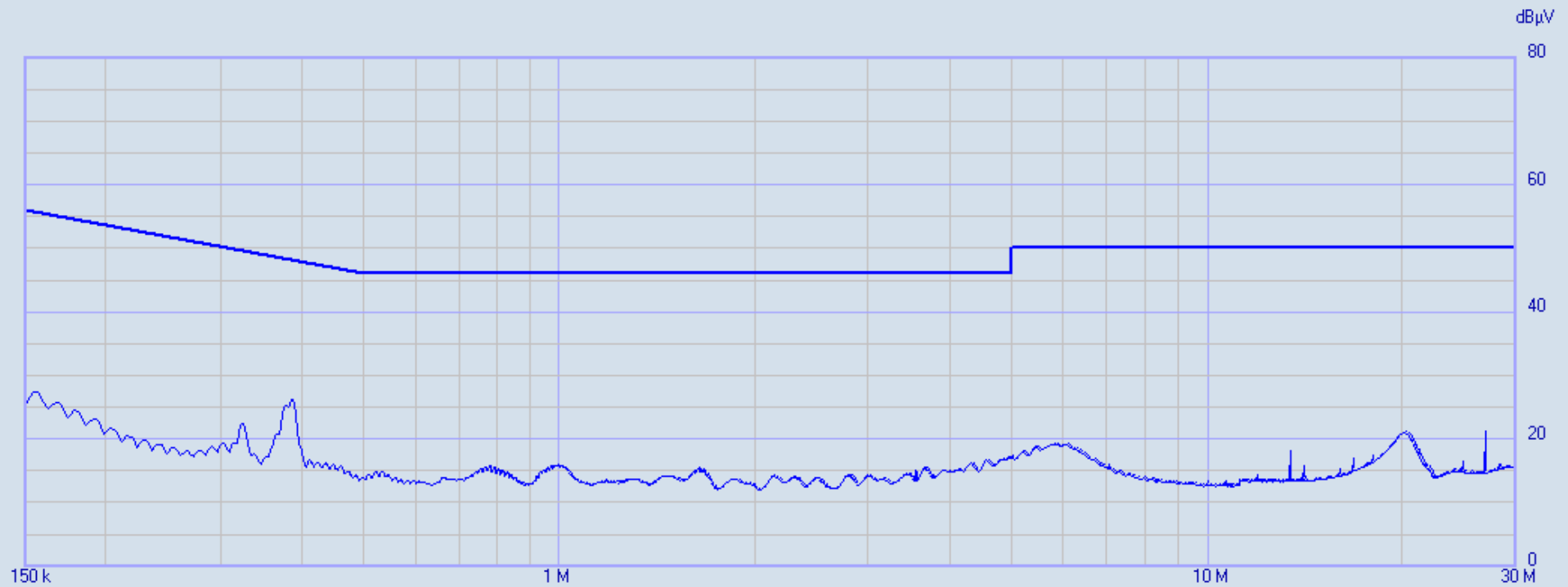
Manufacturer : Whirlpool Corp.
Model : XPWG3 RF Module
Product : Wifi Gen3
Notes : Transmit mode

Testing Company : DLS Electronic Systems
Telephone : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 03/25/2014

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



7037 Whirlpool XPWG3 120v L2

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C	1500 ms	9 kHz	10	OFF	ON

Ancillary = General
Nr. of Worst = Infinite (2)

Limits:
FCC Class B V AV

Factors:
C43&45 150k-30M
DLS#592
LISN DLS#128
E-M L705

C-Avg —



7037 Whirlpool XPWG3 120v L2 18/03/2015 15:37:31
Rel. SW 2.19 (July 2014)
Rel. FW 1.44 15/05/14
Margin: 24 dB

	Frequency	C-Avg	Limit	Delta	Factor	Factor	Factor	Factor
	[MHz]	[dBµV]	FCC Class.. [dBµV]	[dB]	C43&45 15.. [dB]	DLS#592 [dB]	LISN DLS#.. [dB]	E-M L705 [dB]
1	0.37495	24.81	48.39	-23.58	0.10	1.00	0.61	9.74
2	0.376995	25.27	48.35	-23.08	0.09	0.99	0.61	9.74
3	0.37904	25.33	48.30	-22.97	0.09	0.99	0.60	9.74
4	0.381085	24.92	48.26	-23.34	0.09	0.98	0.60	9.74
5	0.38313	25.27	48.21	-22.94	0.09	0.98	0.60	9.74
6	0.385175	26.15	48.17	-22.02	0.09	0.98	0.60	9.74
7	0.38722	26.25	48.12	-21.87	0.09	0.97	0.59	9.75
8	0.389265	25.51	48.08	-22.57	0.09	0.97	0.59	9.75



Report issuing date : 03-18-2015

Standard : FCC Part 15.207
Test Type : Voltage Mains
Test Site : DLS O.F. Screen Room
Temperature : 69 °F
Humidity : 22 %
Test Specs : 120 V 60 Hz Line 2 QUASI-PEAK
Operator : Craig B
DLS Project # : 7037
Result : Pass

EUT

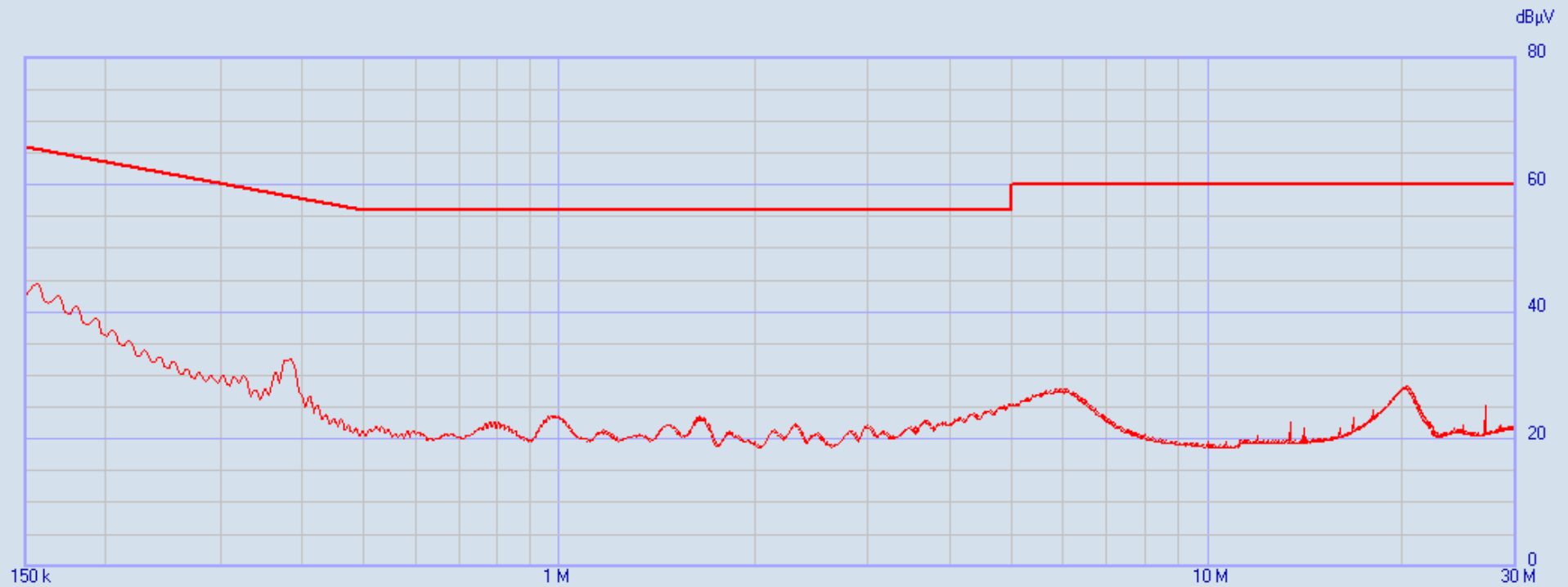
Manufacturer : Whirlpool Corp.
Model : XPWG3 RF Module
Product : Wifi Gen3
Notes : Transmit mode

Testing Company : DLS Electronic Systems
Telephone : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 03/25/2014

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



7037 Whirlpool XPWG3 120v L2

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C	1500 ms	9 kHz	10	OFF	ON

Ancillary = General
Nr. of Worst = Infinite (2)

Limits:
FCC Class B V QP

Factors:
C43&45 150k-30M
DLS#592
LISN DLS#128
E-M L705

QPeak ———

7037 Whirlpool XPWG3 120v L2 18/03/2015 15:37:31
 Rel. SW 2.19 (July 2014)
 Rel. FW 1.44 15/05/14
 Margin: 23 dB

	Frequency	QPeak	Limit	Delta	Factor	Factor	Factor	Factor
	[MHz]	[dBμV]	FCC Class..	[dB]	C43&45 15..	DLS#592	LISN DLS#..	E-M L705
			[dBμV]		[dB]	[dB]	[dB]	[dB]
1	0.152045	43.48	65.89	-22.41	0.04	2.09	1.71	9.65
2	0.15409	44.12	65.78	-21.66	0.04	2.07	1.69	9.66
3	0.156135	44.34	65.67	-21.33	0.04	2.04	1.66	9.67
4	0.15818	43.76	65.56	-21.80	0.03	2.02	1.64	9.67
5	0.16636	42.21	65.14	-22.93	0.03	1.92	1.53	9.71
6	0.168405	42.45	65.04	-22.59	0.03	1.90	1.51	9.71



166 South Carter, Genoa City, WI 53128

Company: Whirlpool Corporation
Model Tested: XPWG3
Report Number: 20850
DLS Project: 7037

END OF REPORT

Revision #	Date	Comments	By
1.0	03-19-2015	Preliminary Release	JS
1.1	03-20-2015	Added final power settings on page 11 & minor edits	JS
1.2	03-25-2015	Edit of typos on page 29 & 30	JS