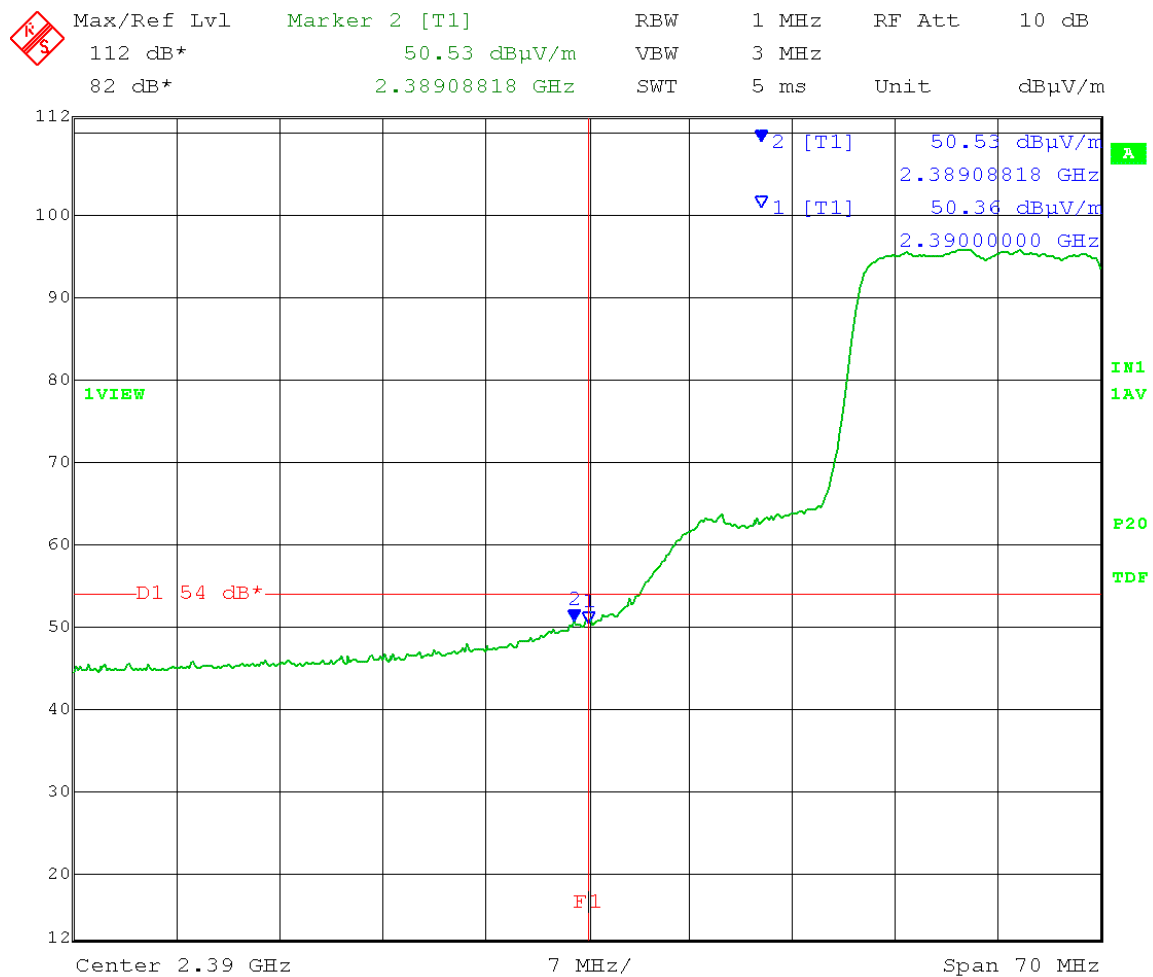


Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: 2417 MHz, channel 2
Modulation: 802.11-g, 54 Mbps
Power setting: 17

VERTICAL:

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



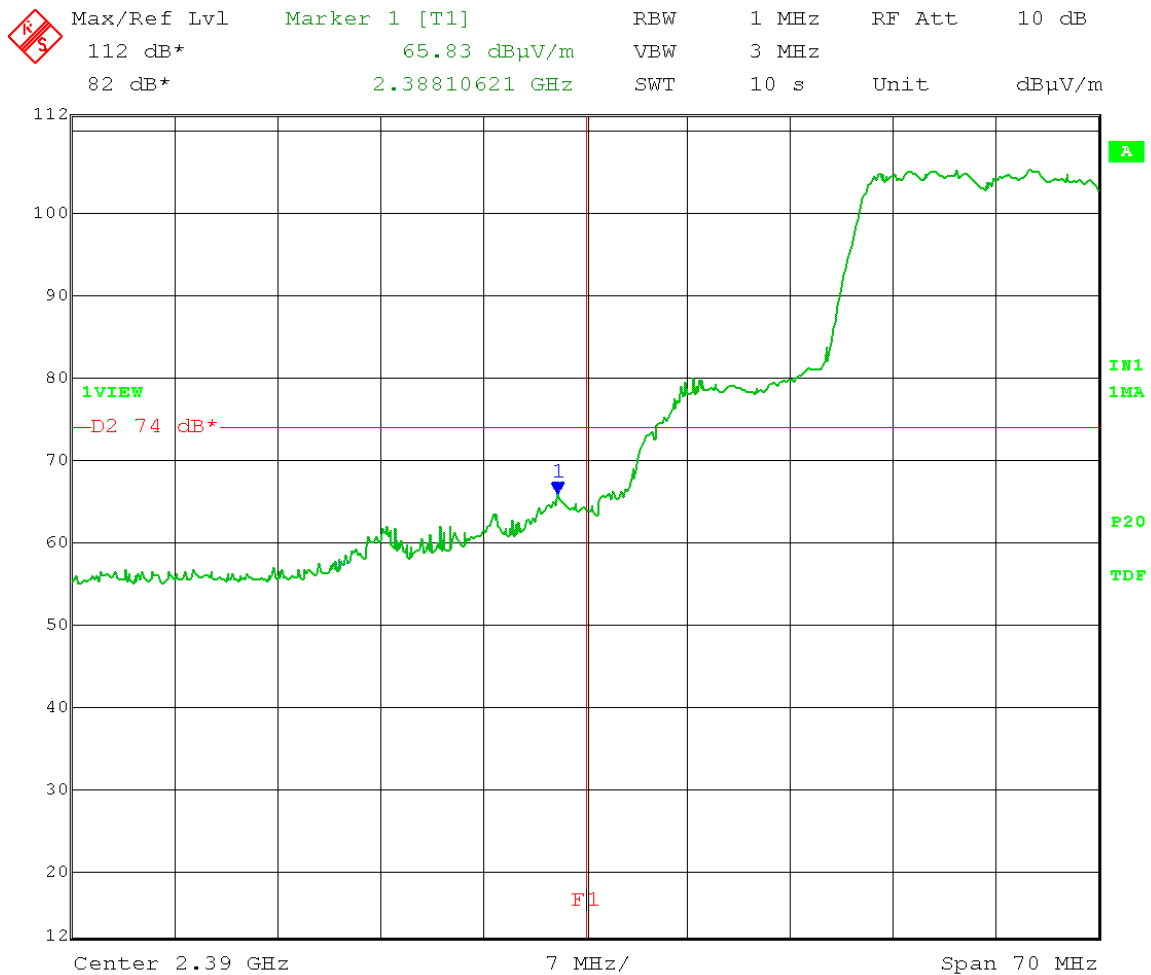
Date: 23.MAR.2017 10:30:47

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: 2417 MHz, channel 2
Modulation: 802.11-g, 54 Mbps
Power setting: 17

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



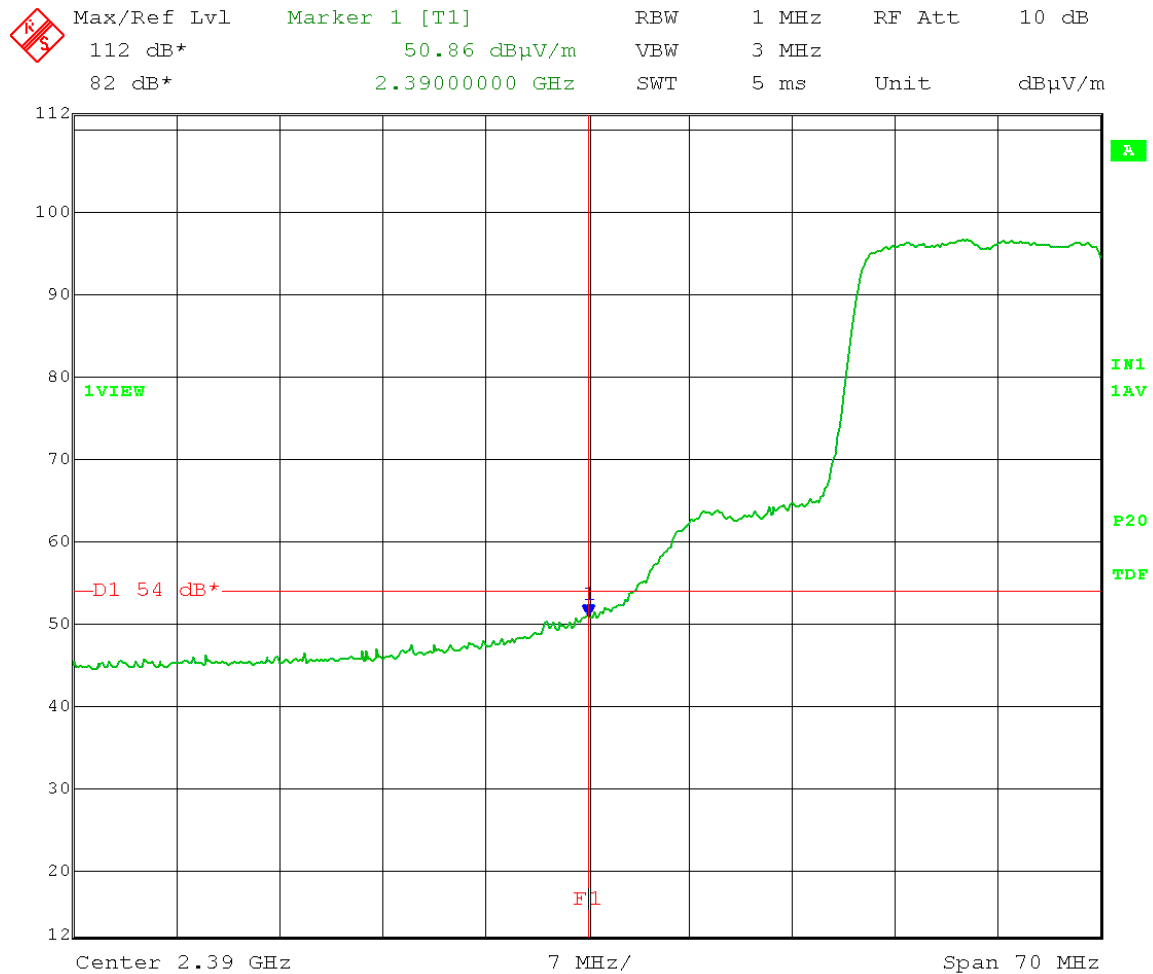
Date: 23.MAR.2017 10:32:21

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: 2417 MHz, channel 2
Modulation: 802.11-g, 54 Mbps
Power setting: 17

HORIZONTAL:

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



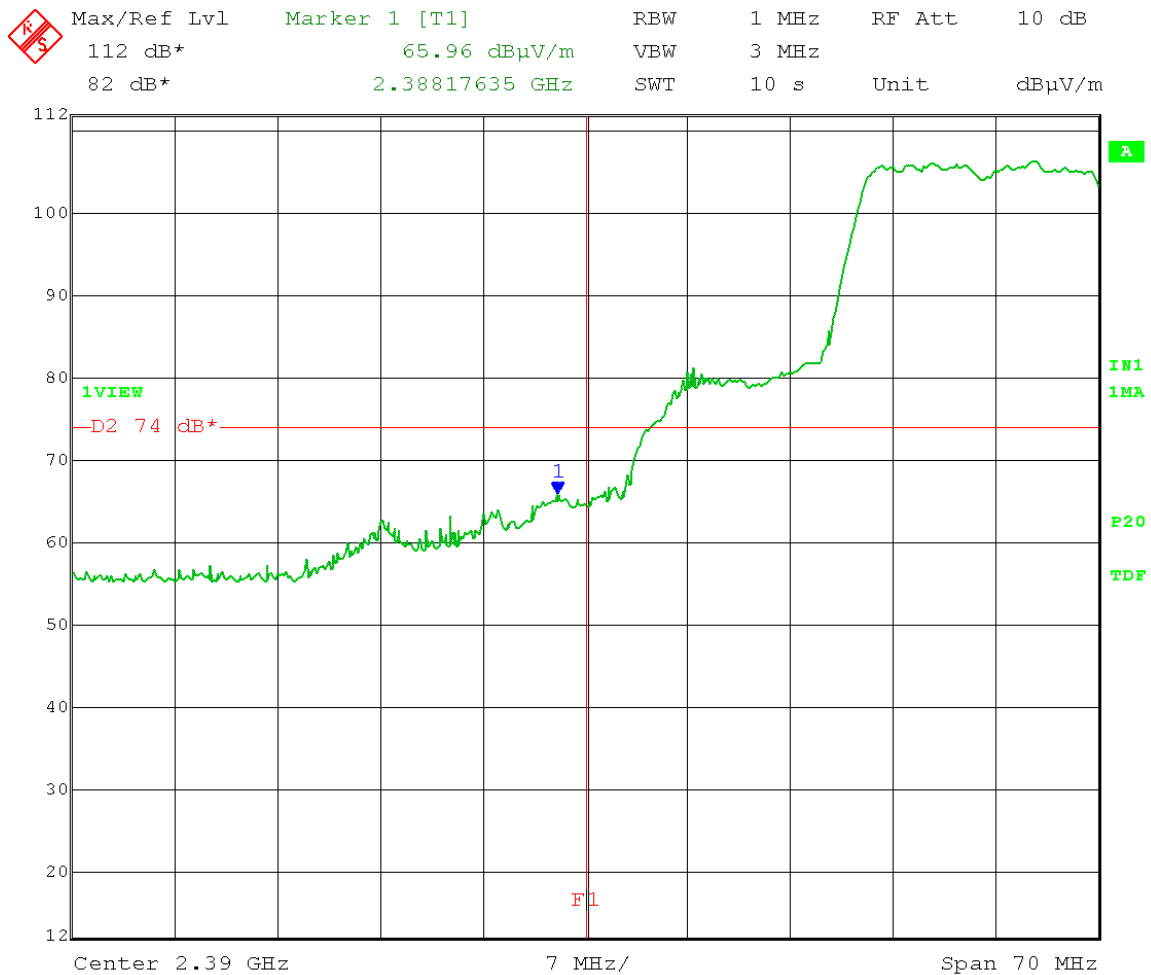
Date: 23.MAR.2017 10:56:58

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: 2417 MHz, channel 2
Modulation: 802.11-g, 54 Mbps
Power setting: 17

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



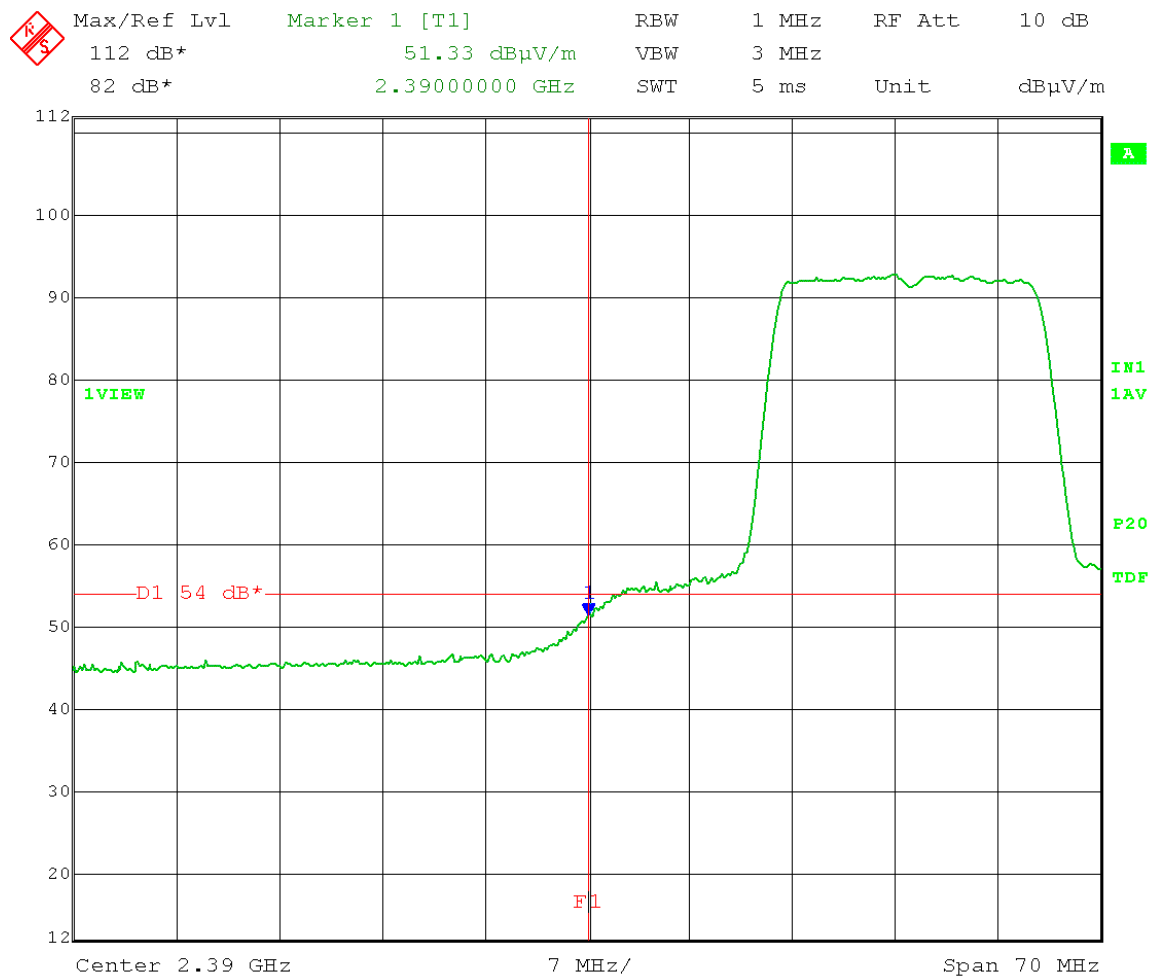
Date: 23.MAR.2017 10:59:17

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: Low, 2412 MHz, channel 1
Modulation: 802.11-n, MCS7
Power setting: 14

VERTICAL:

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



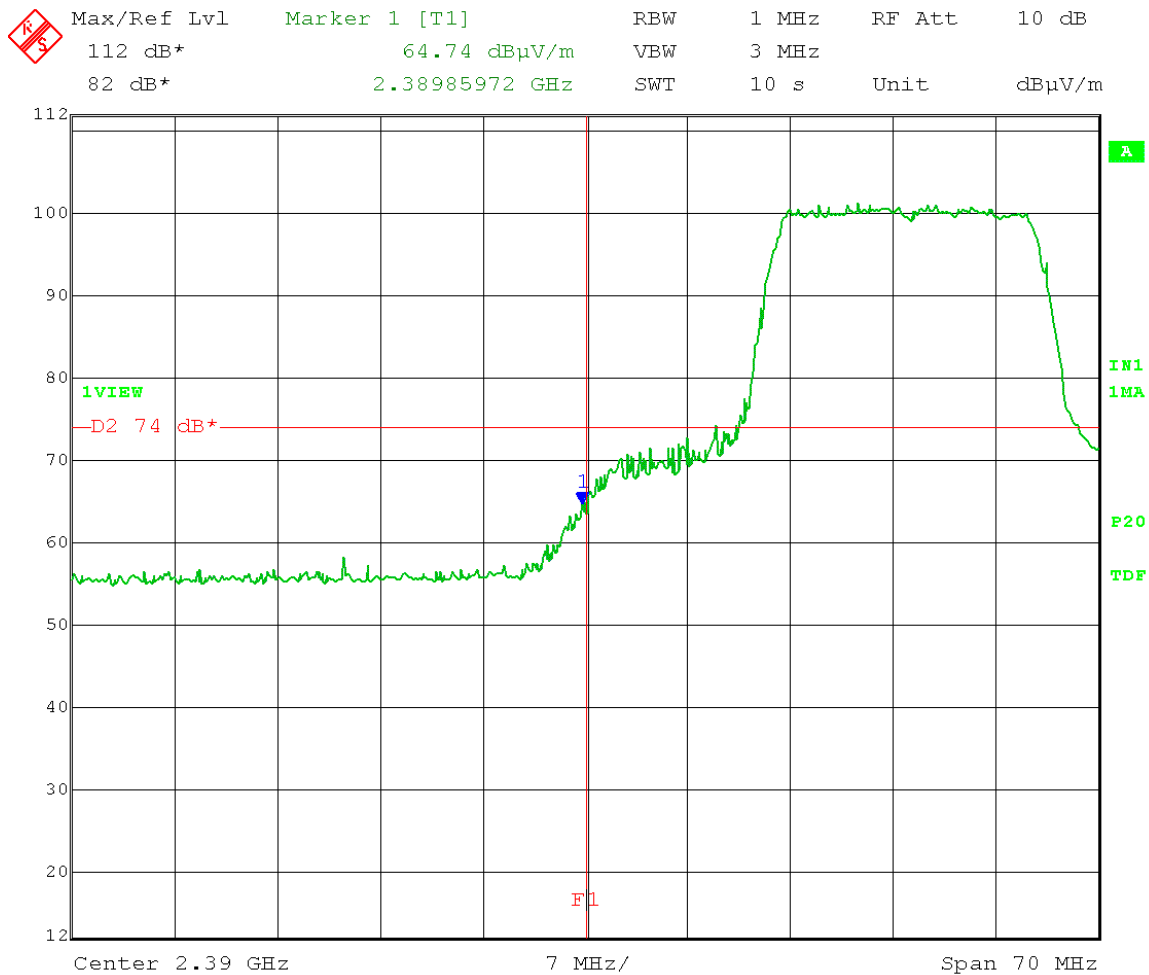
Date: 23.MAR.2017 10:34:43

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: Low, 2412 MHz, channel 1
Modulation: 802.11-n, MCS7
Power setting: 14

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



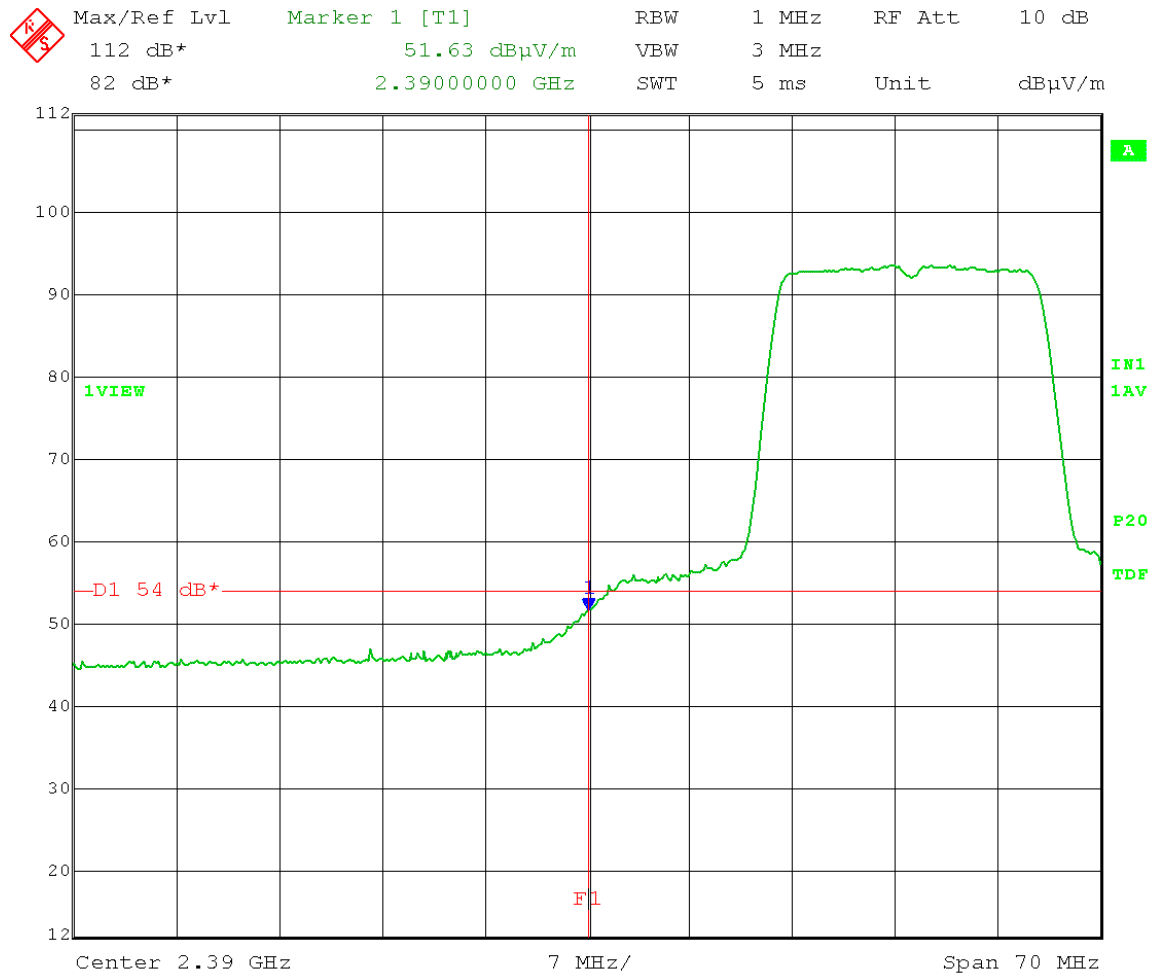
Date: 23.MAR.2017 10:35:55

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: Low, 2412 MHz, channel 1
Modulation: 802.11-n, MCS7
Power setting: 14

HORIZONTAL:

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



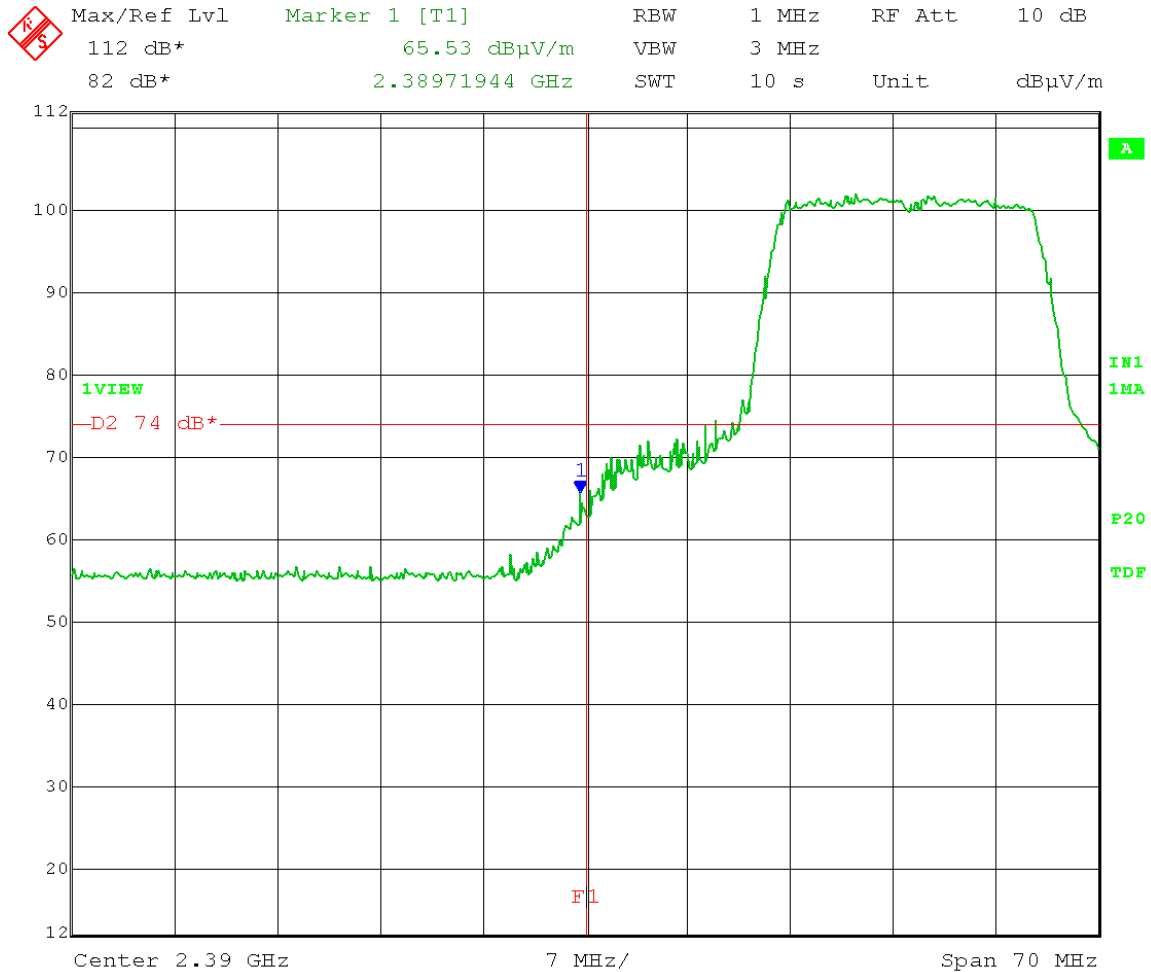
Date: 23.MAR.2017 11:03:01

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Lower Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: Low, 2412 MHz, channel 1
Modulation: 802.11-n, MCS7
Power setting: 14

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



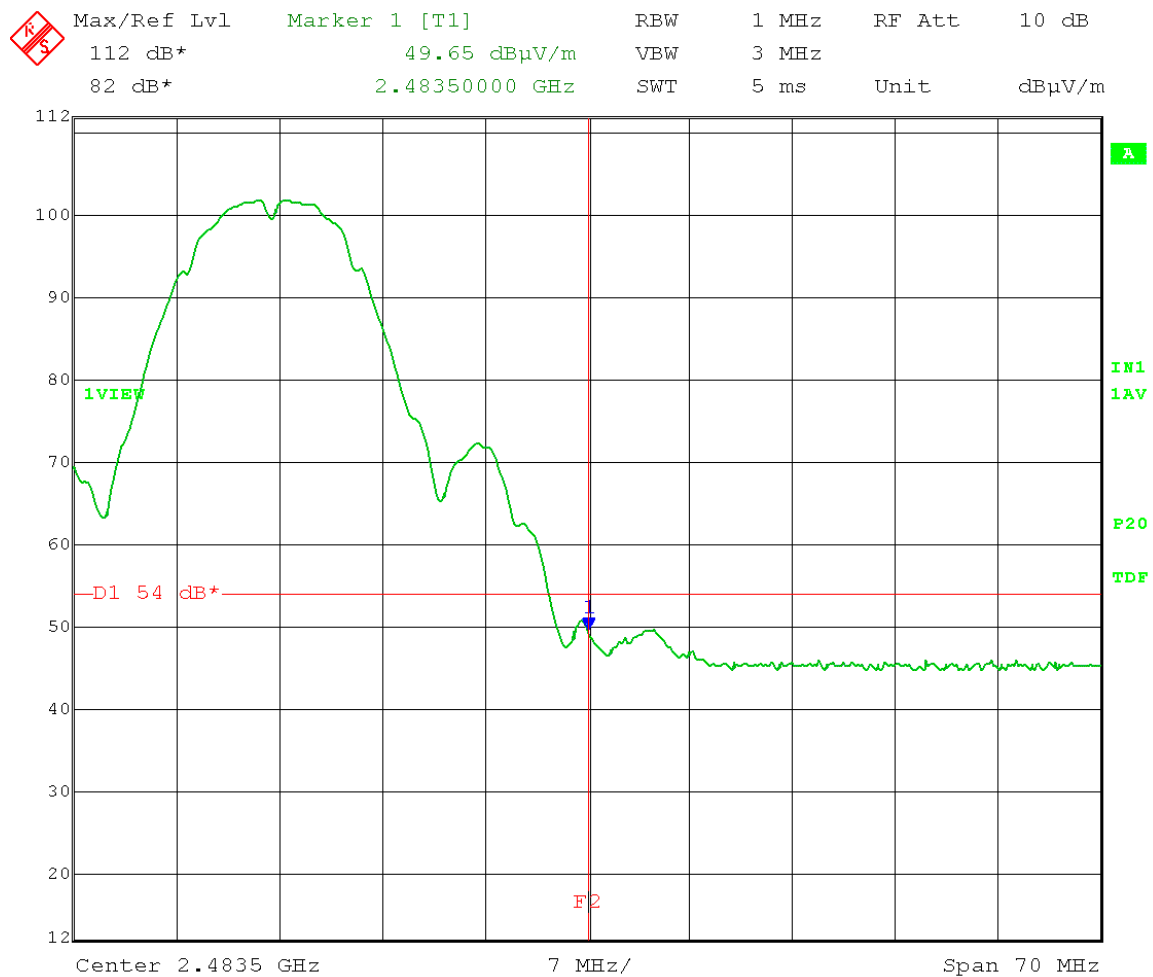
Date: 23.MAR.2017 11:04:17

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, 1 Mbps
Power setting: 18

VERTICAL:

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



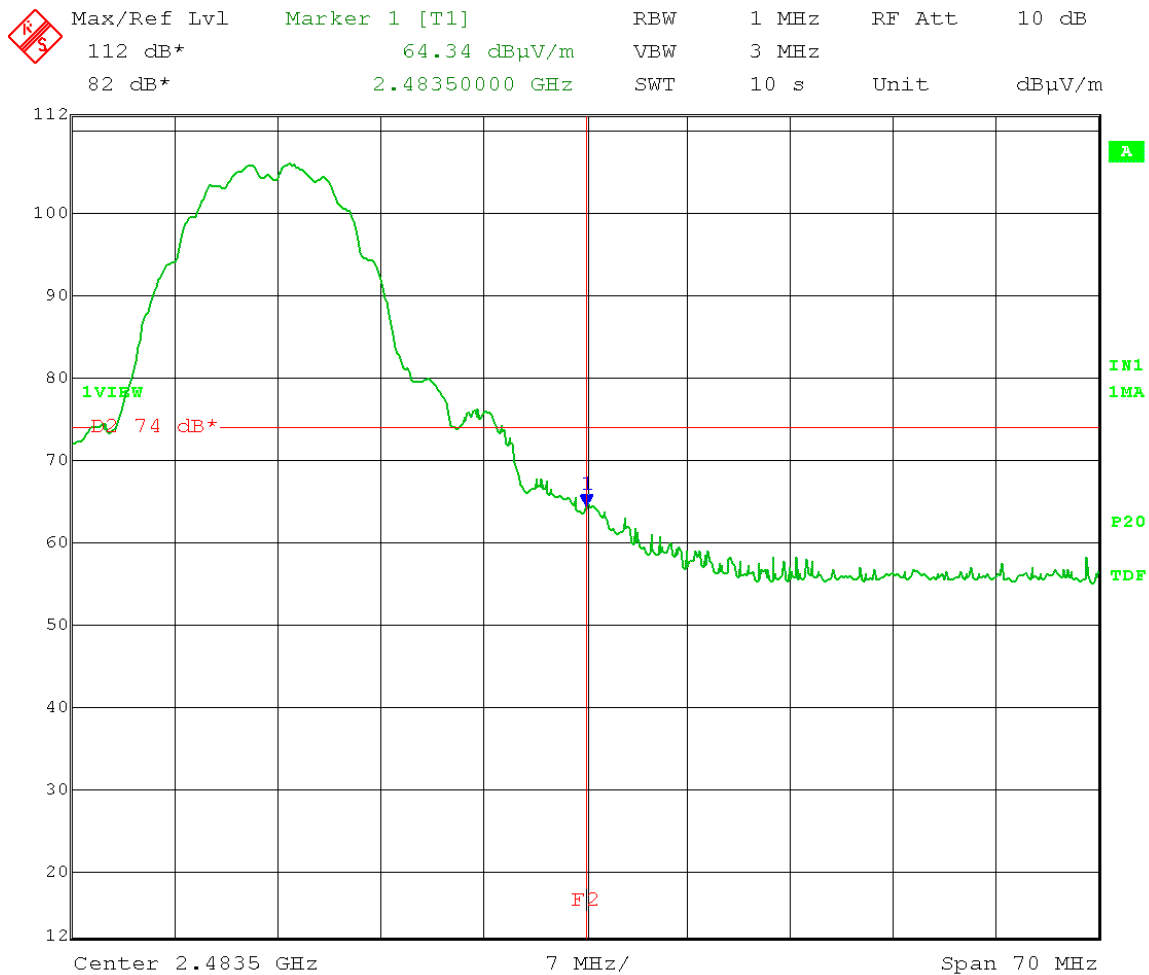
Date: 23.MAR.2017 09:24:25

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, 1 Mbps
Power setting: 18

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



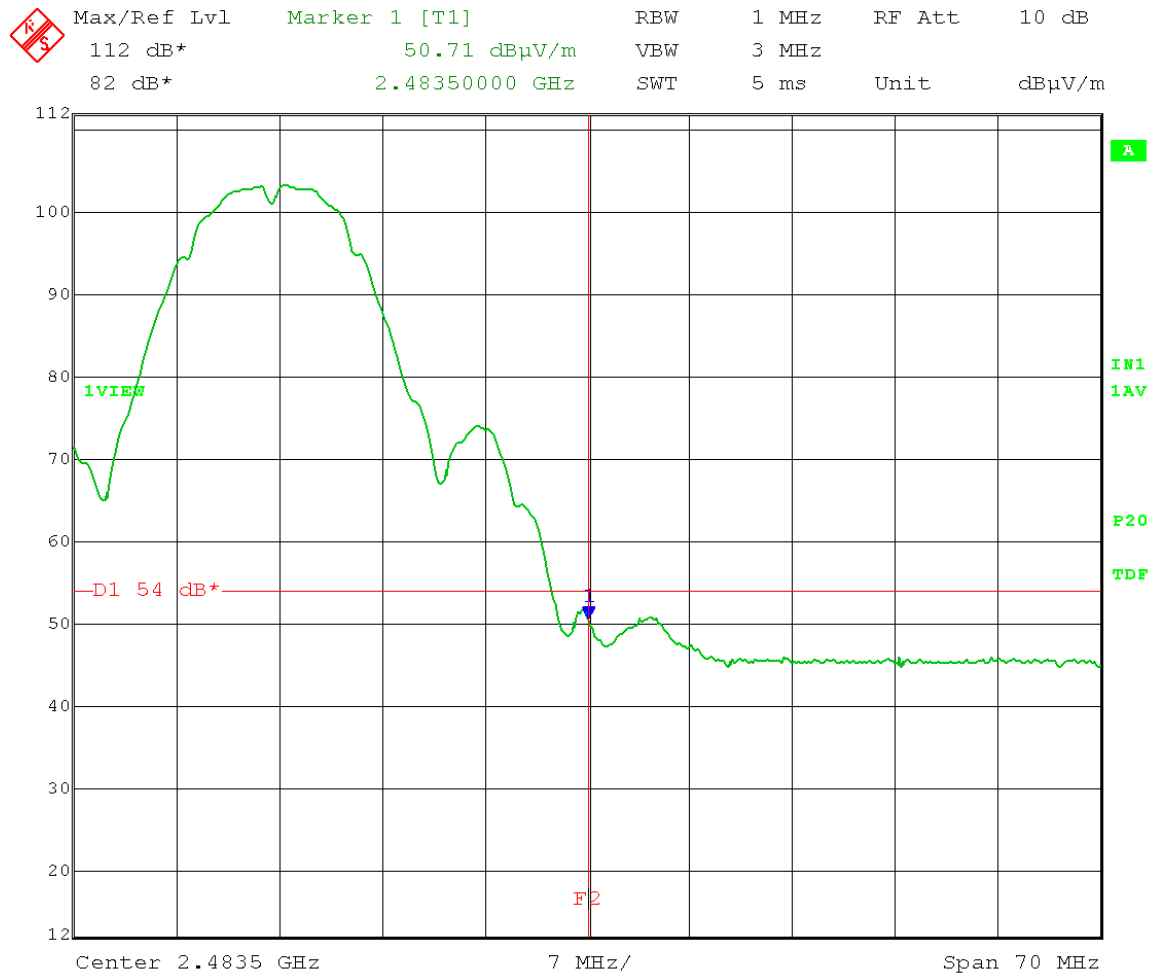
Date: 23.MAR.2017 09:25:35

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, 1 Mbps
Power setting: 18

HORIZONTAL:

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



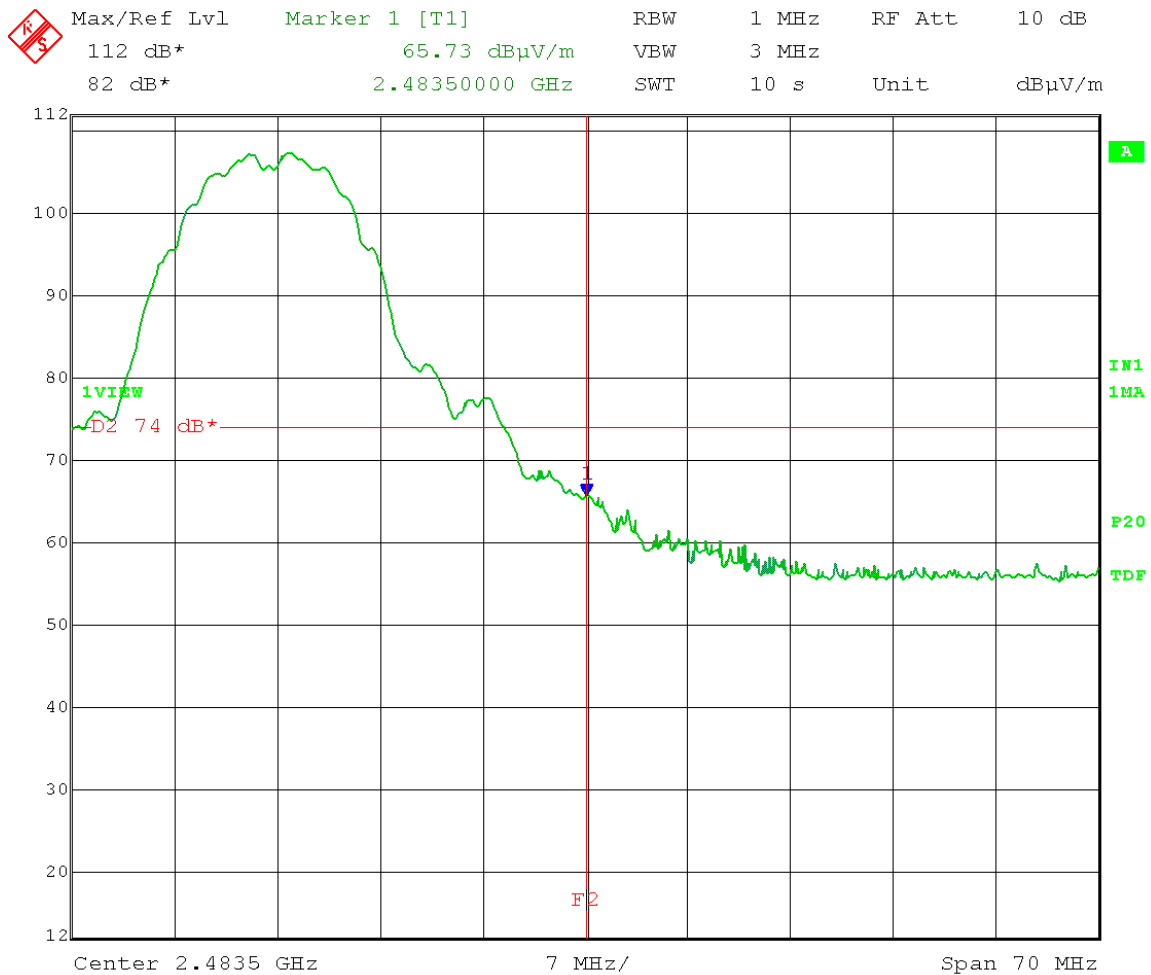
Date: 23.MAR.2017 08:28:01

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-b, 1 Mbps
Power setting: 18

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



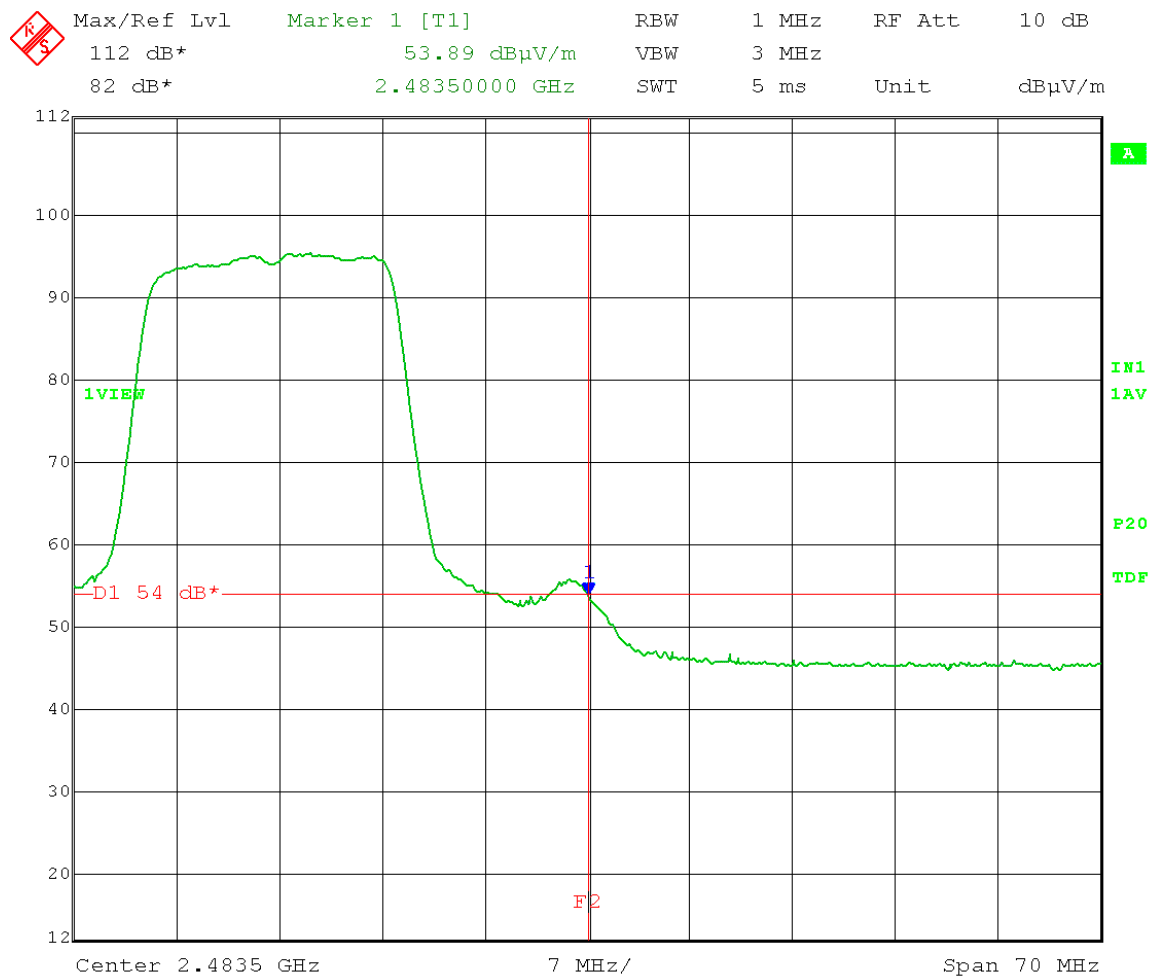
Date: 23.MAR.2017 08:29:18

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-g, 54 Mbps
Power setting: 13

VERTICAL:

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



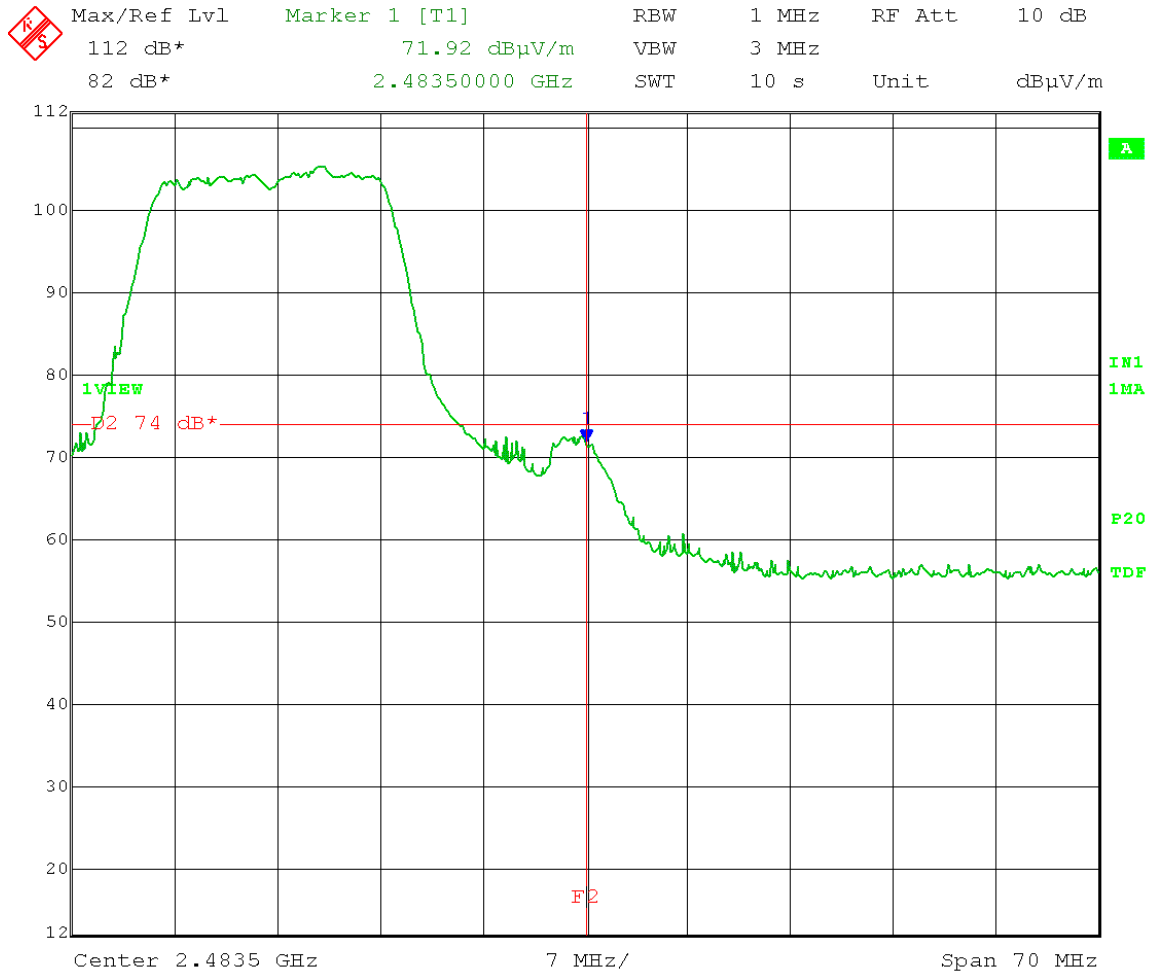
Date: 23.MAR.2017 09:27:42

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-g, 54 Mbps
Power setting: 13

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



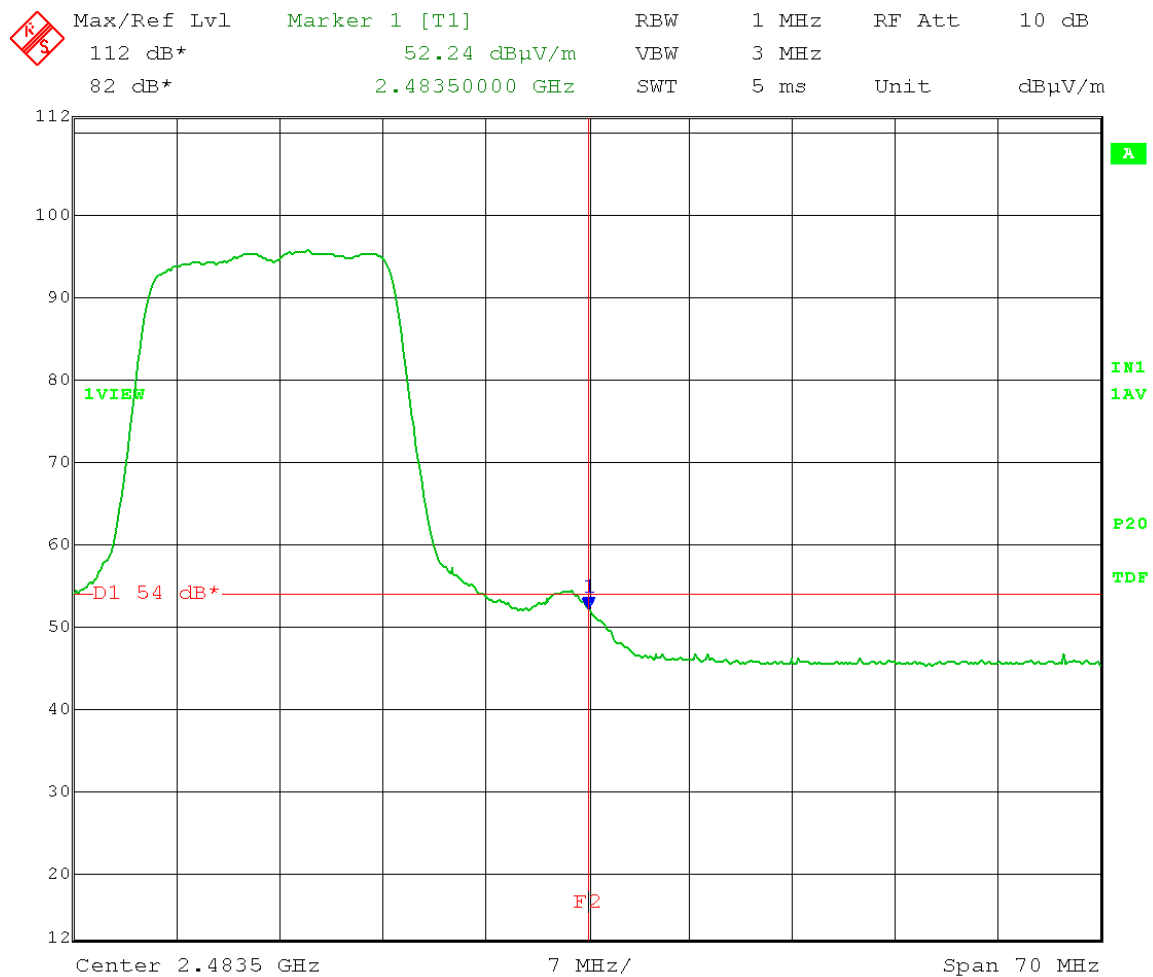
Date: 23.MAR.2017 09:29:08

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-g, 54 Mbps
Power setting: 12

HORIZONTAL:

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



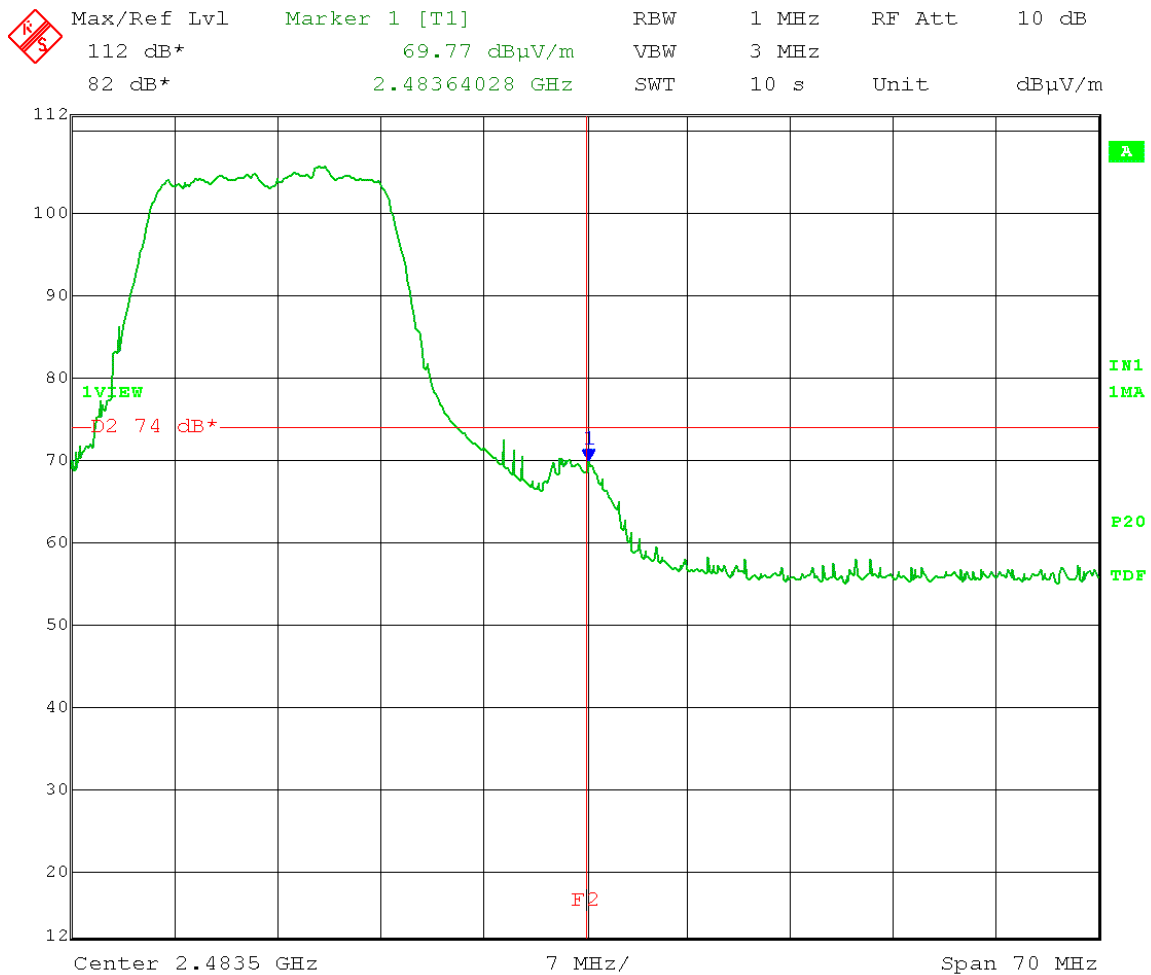
Date: 23.MAR.2017 08:32:54

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-g, 54 Mbps
Power setting: 12

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



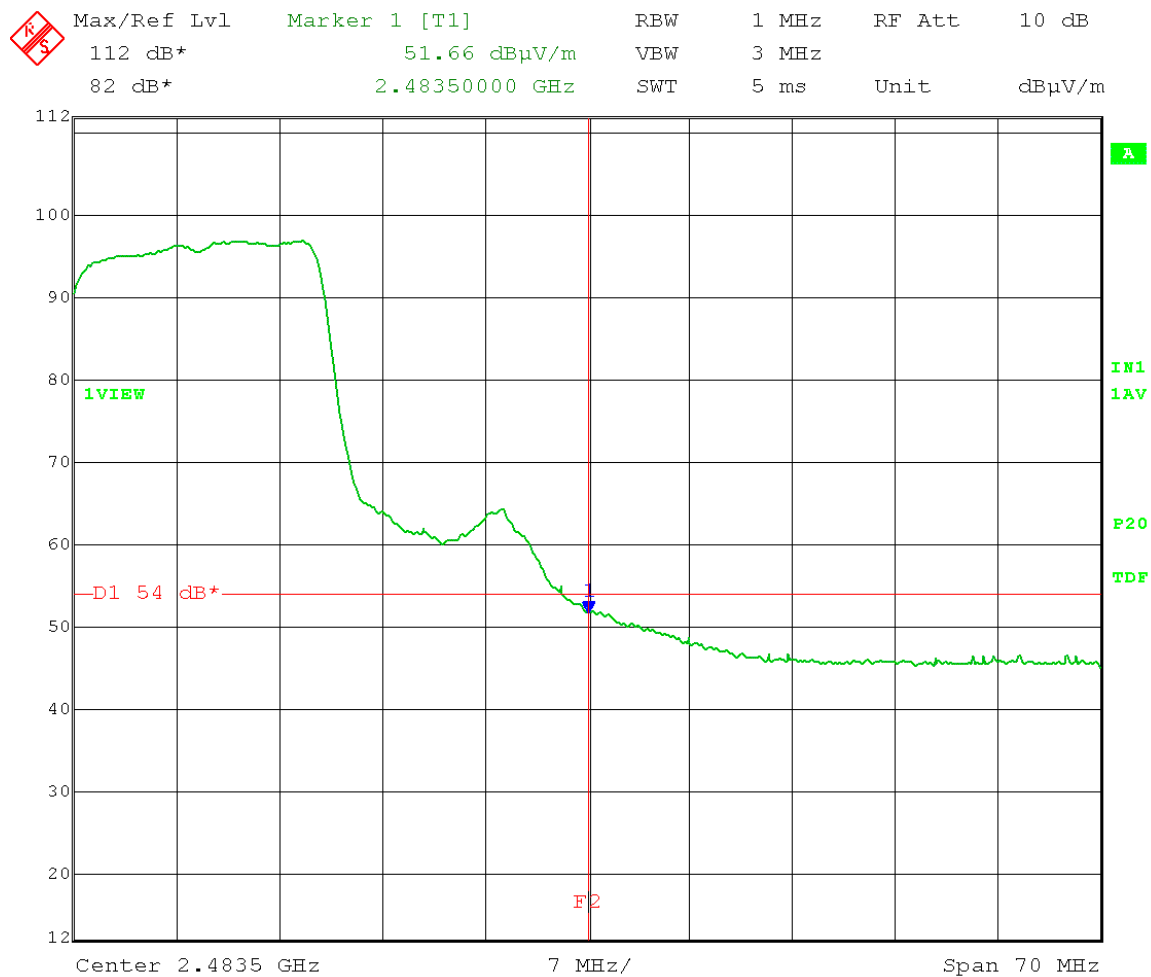
Date: 23.MAR.2017 08:34:39

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

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

VERTICAL:

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



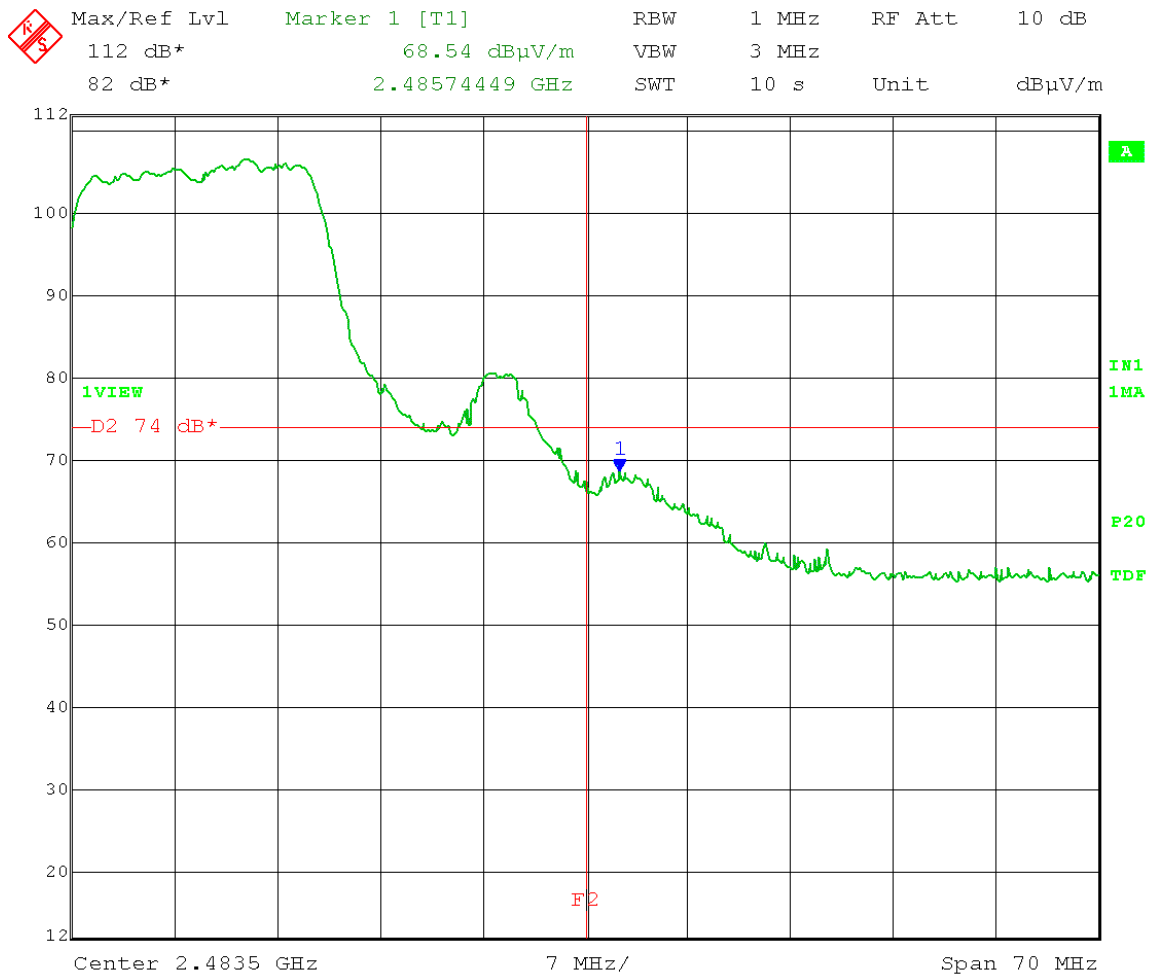
Date: 23.MAR.2017 09:32:08

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

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

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



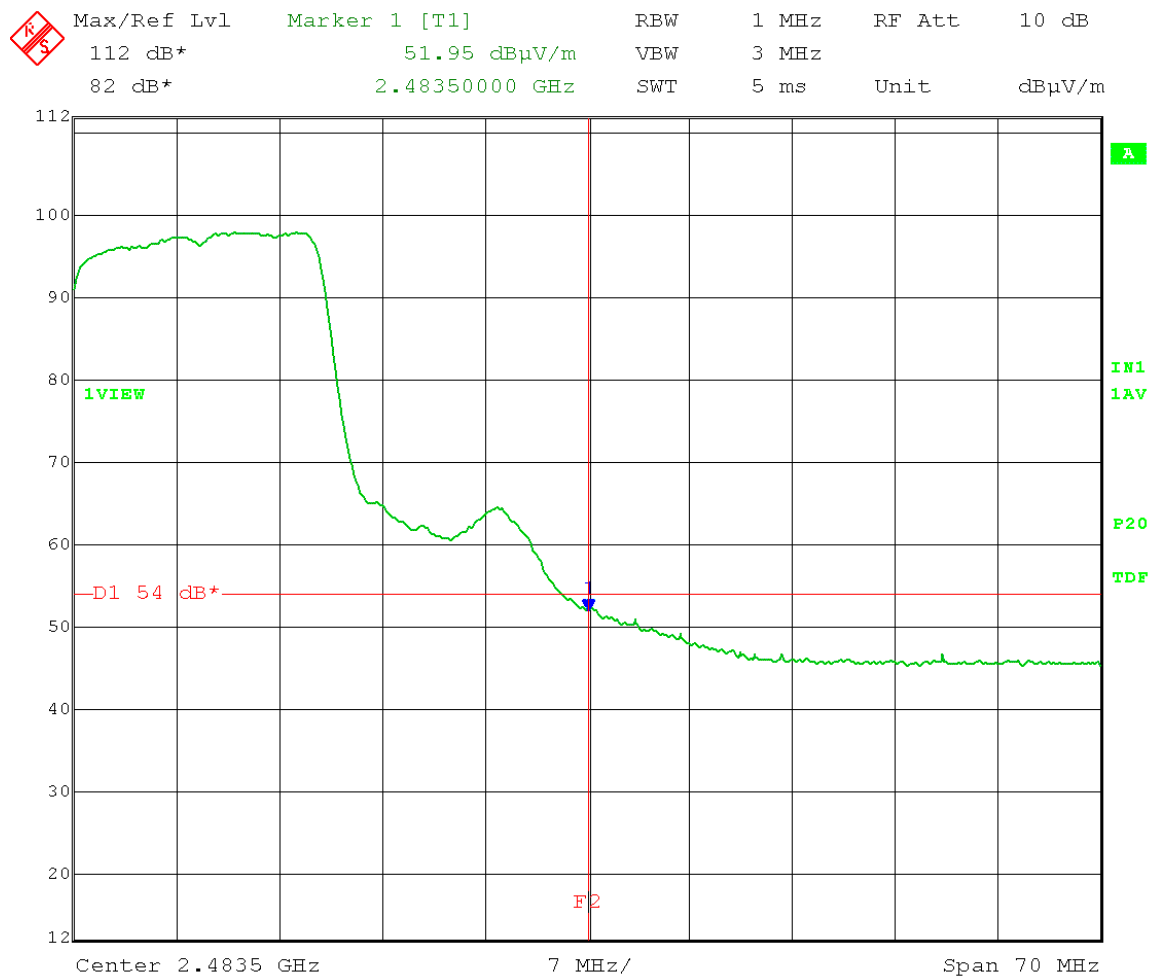
Date: 23.MAR.2017 09:33:29

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

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

HORIZONTAL:

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



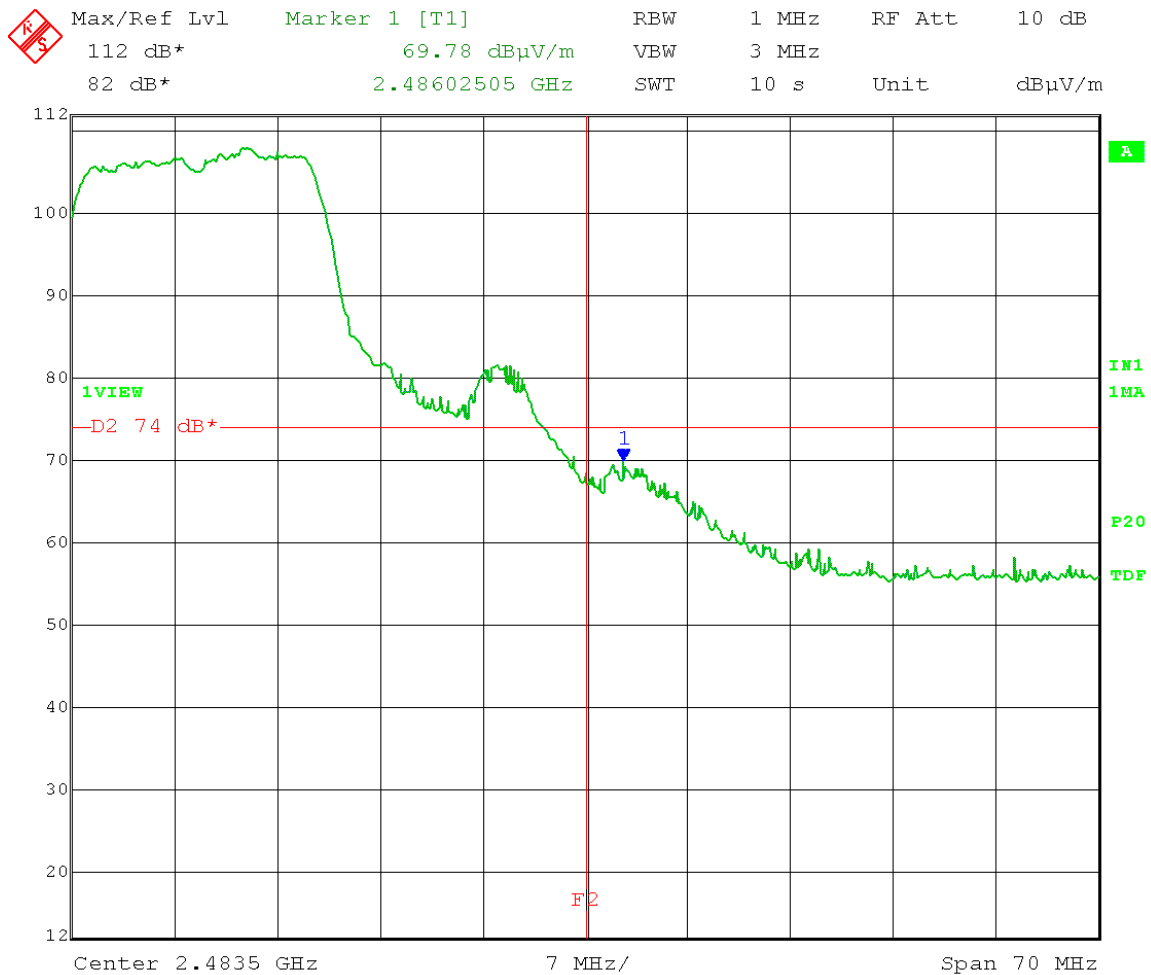
Date: 23.MAR.2017 08:38:12

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

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

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



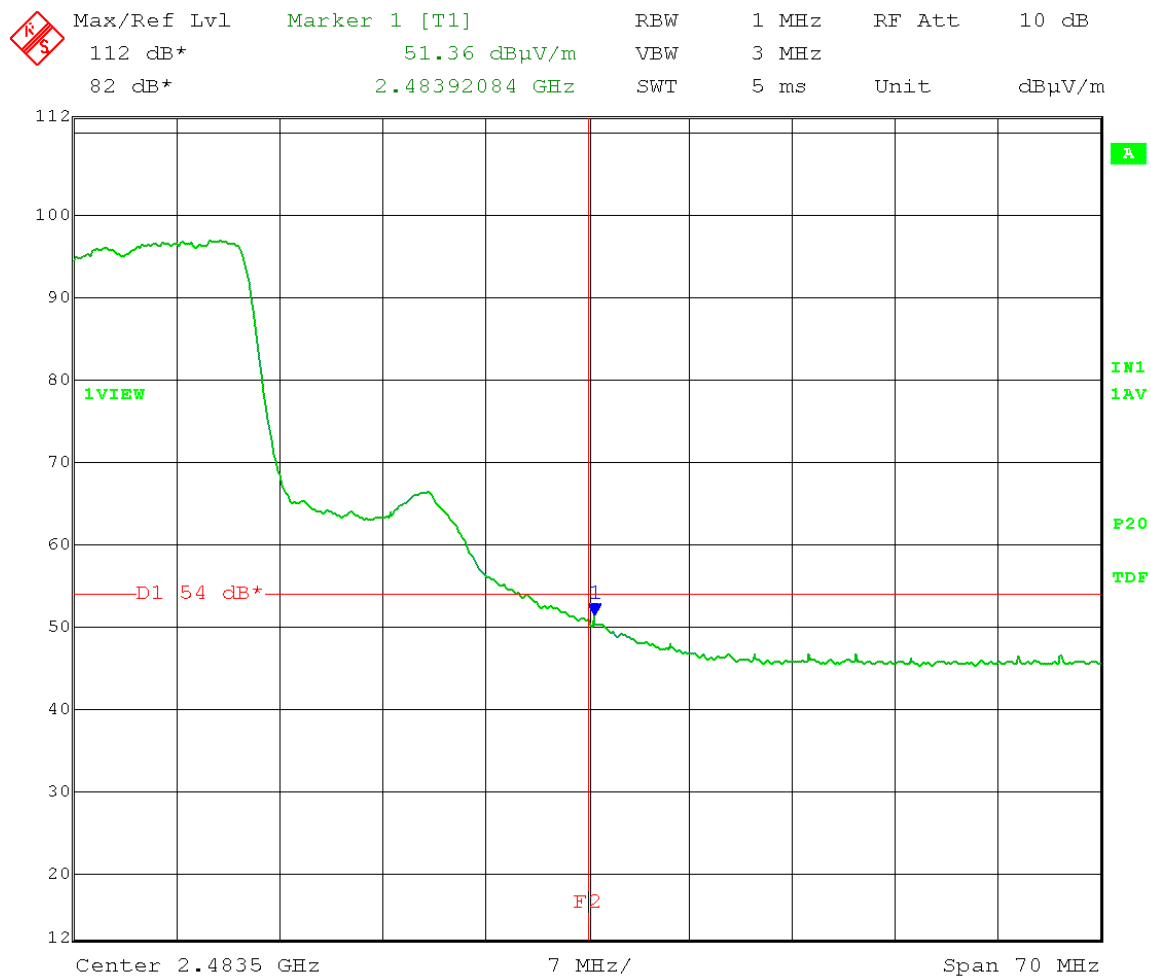
Date: 23.MAR.2017 08:39:33

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

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

VERTICAL:

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



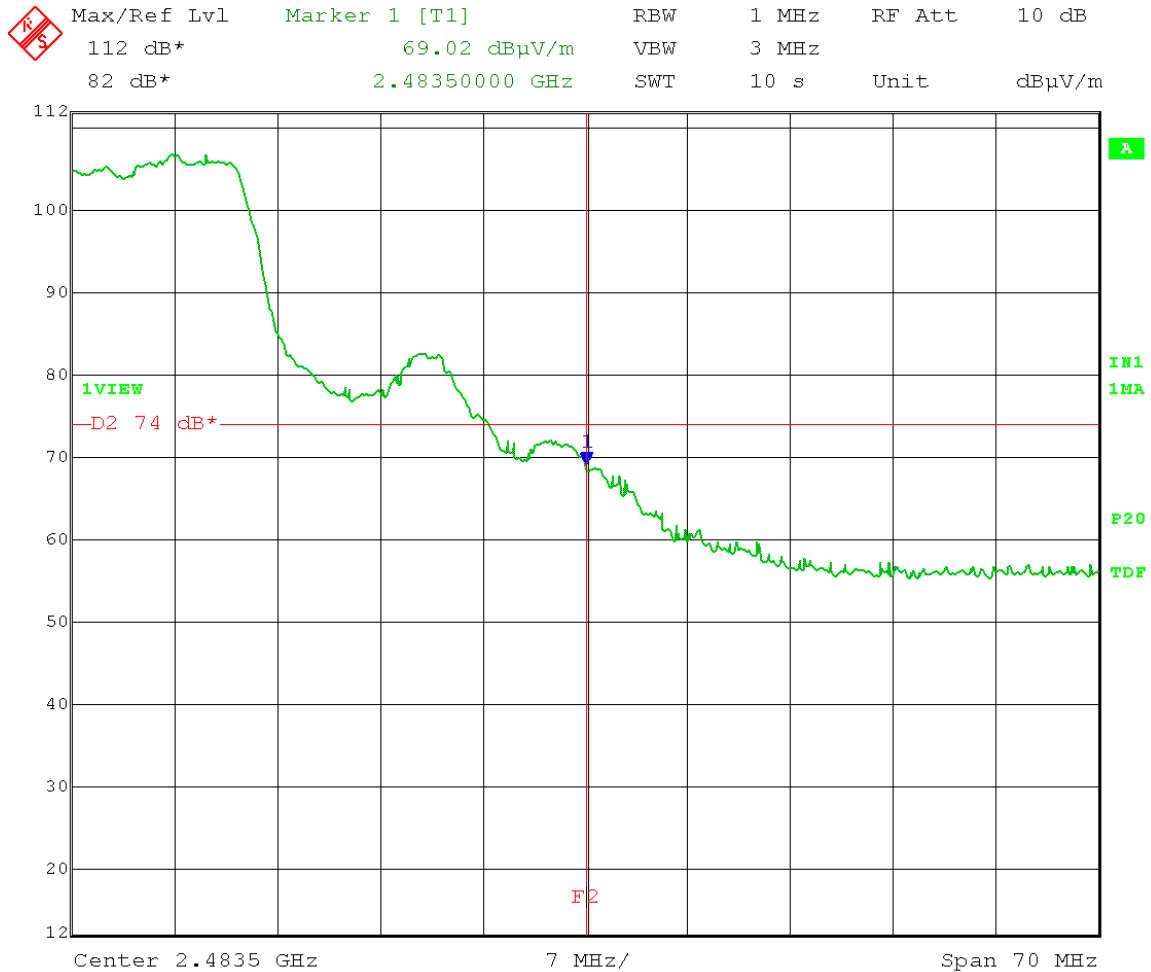
Date: 23.MAR.2017 09:38:53

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

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

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



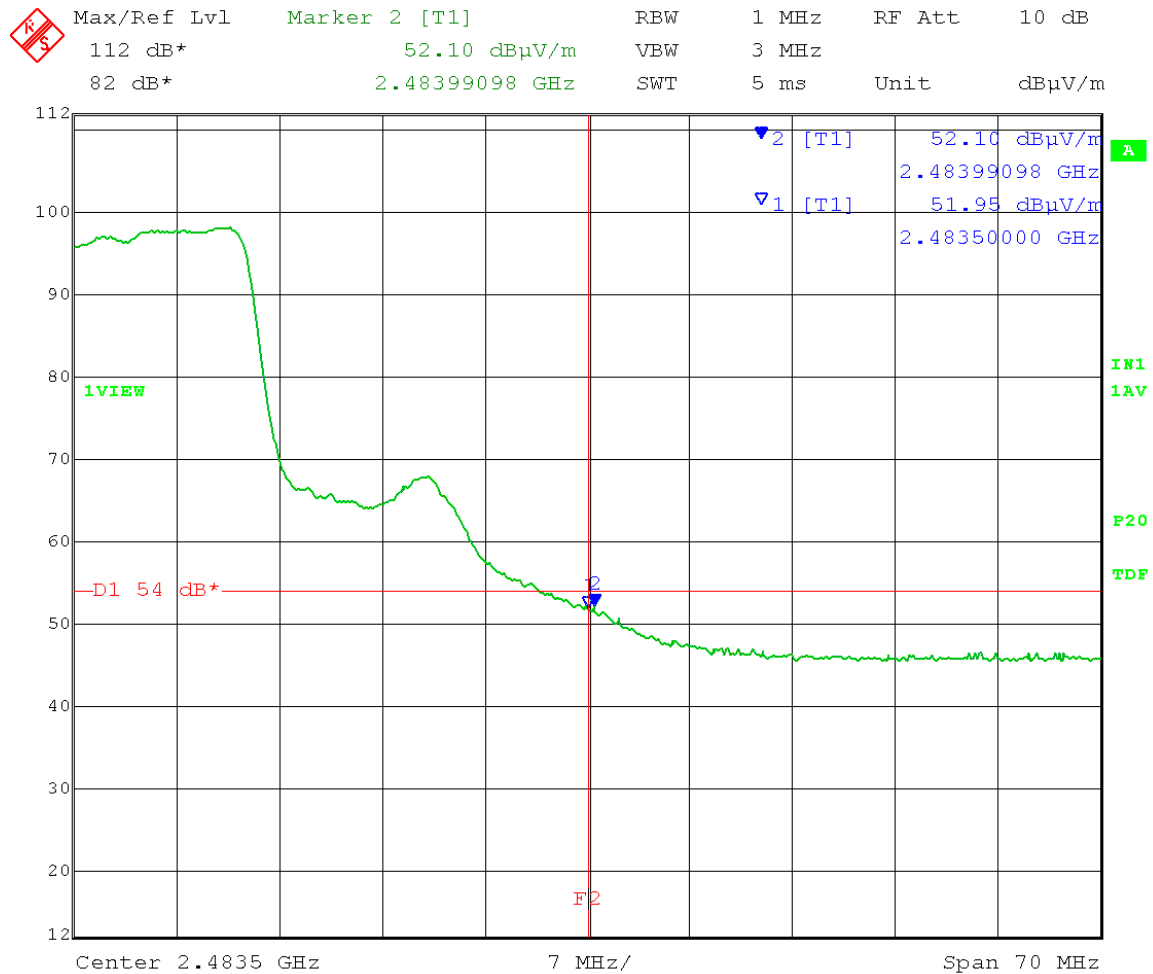
Date: 23.MAR.2017 09:40:17

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

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

HORIZONTAL:

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



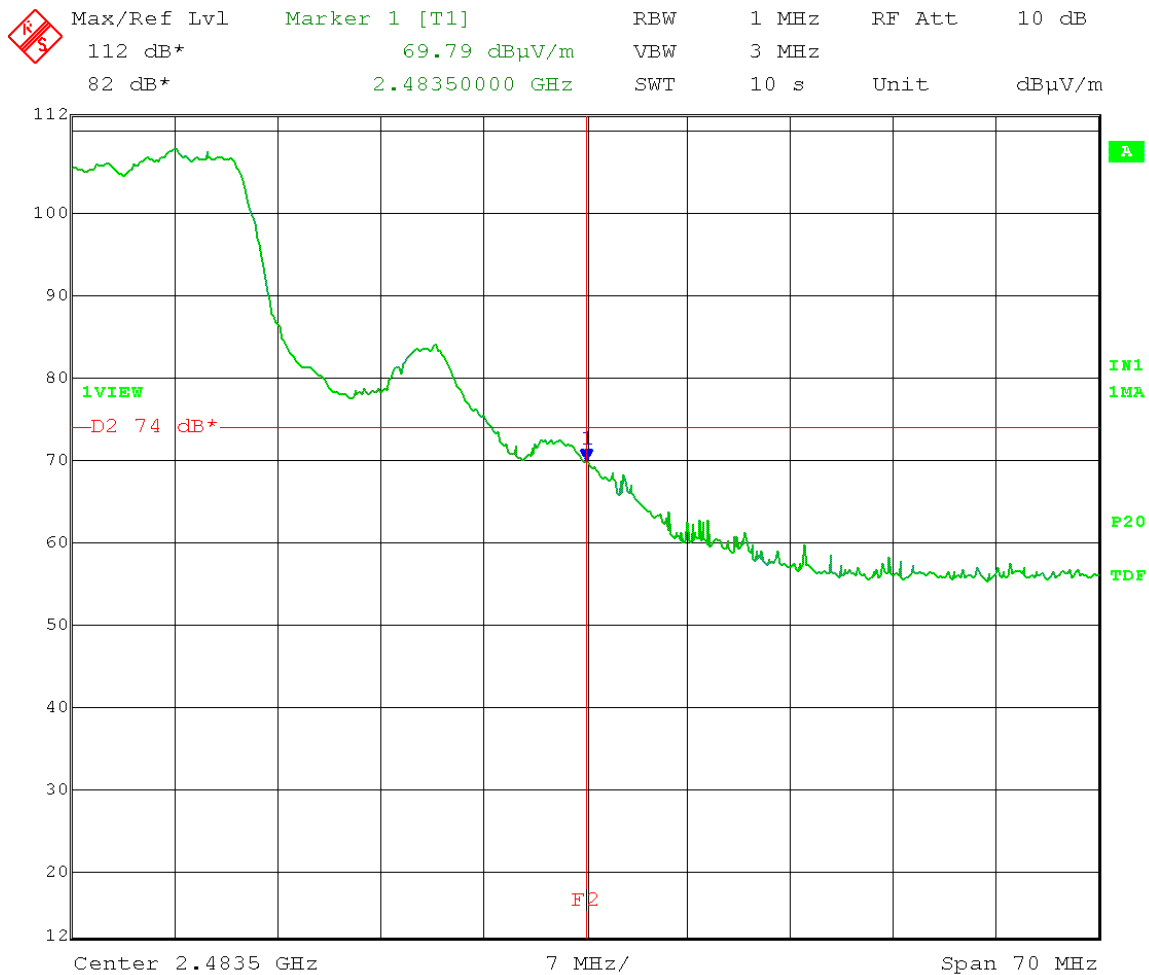
Date: 23.MAR.2017 08:43:48

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

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

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



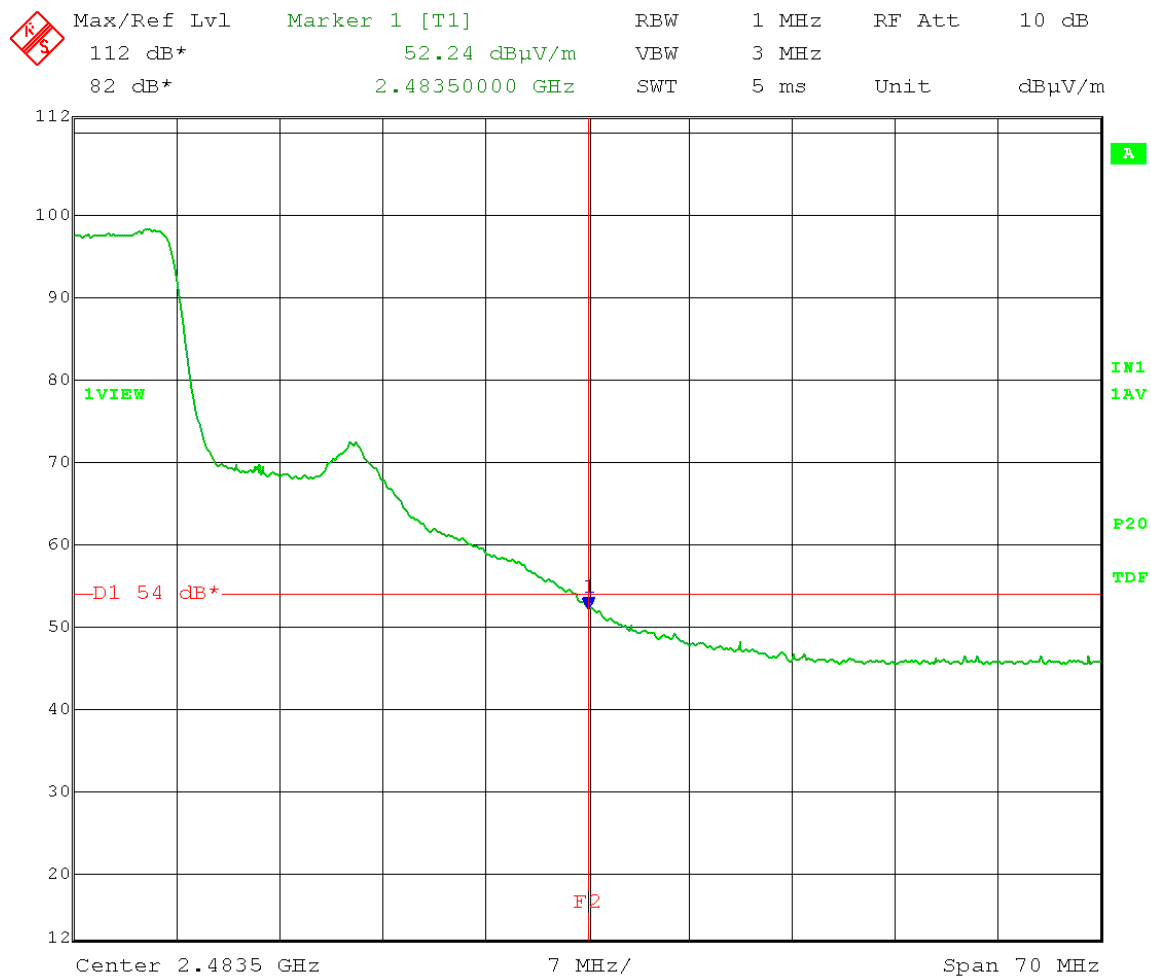
Date: 23.MAR.2017 08:45:05

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: 2447 MHz, channel 8
Modulation: 802.11-g, 54 Mbps
Power setting: 17

VERTICAL:

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



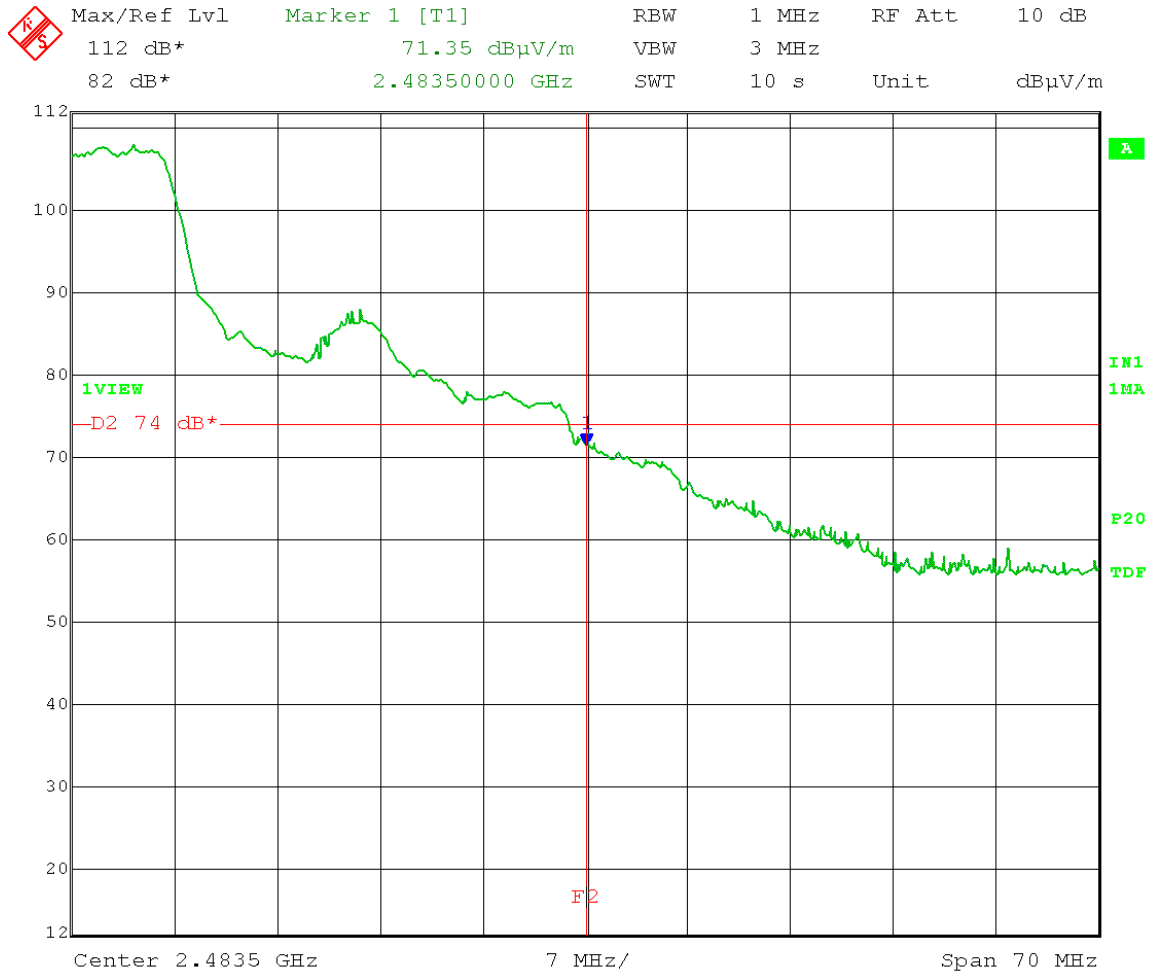
Date: 23.MAR.2017 09:42:38

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: 2447 MHz, channel 8
Modulation: 802.11-g, 54 Mbps
Power setting: 17

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



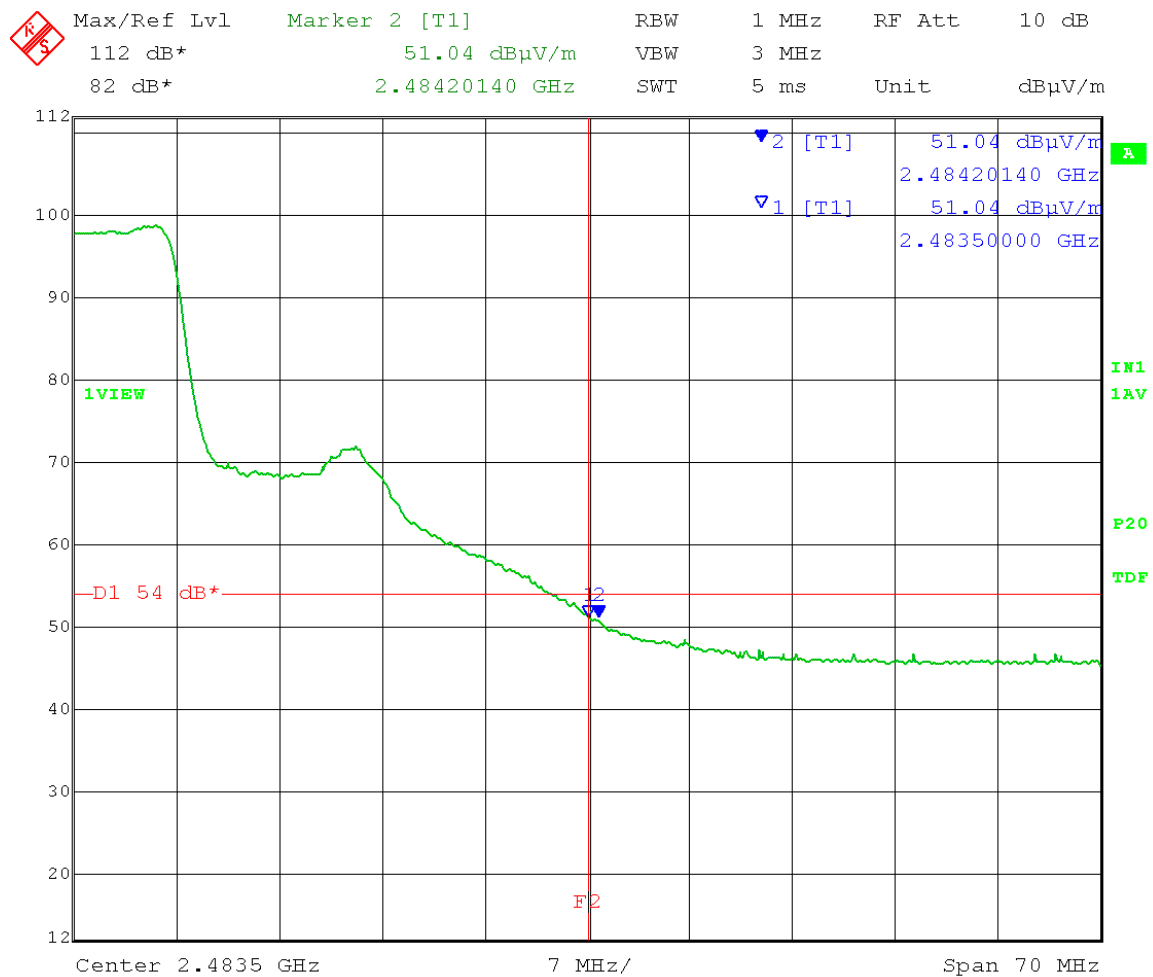
Date: 23.MAR.2017 09:44:05

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

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

HORIZONTAL:

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



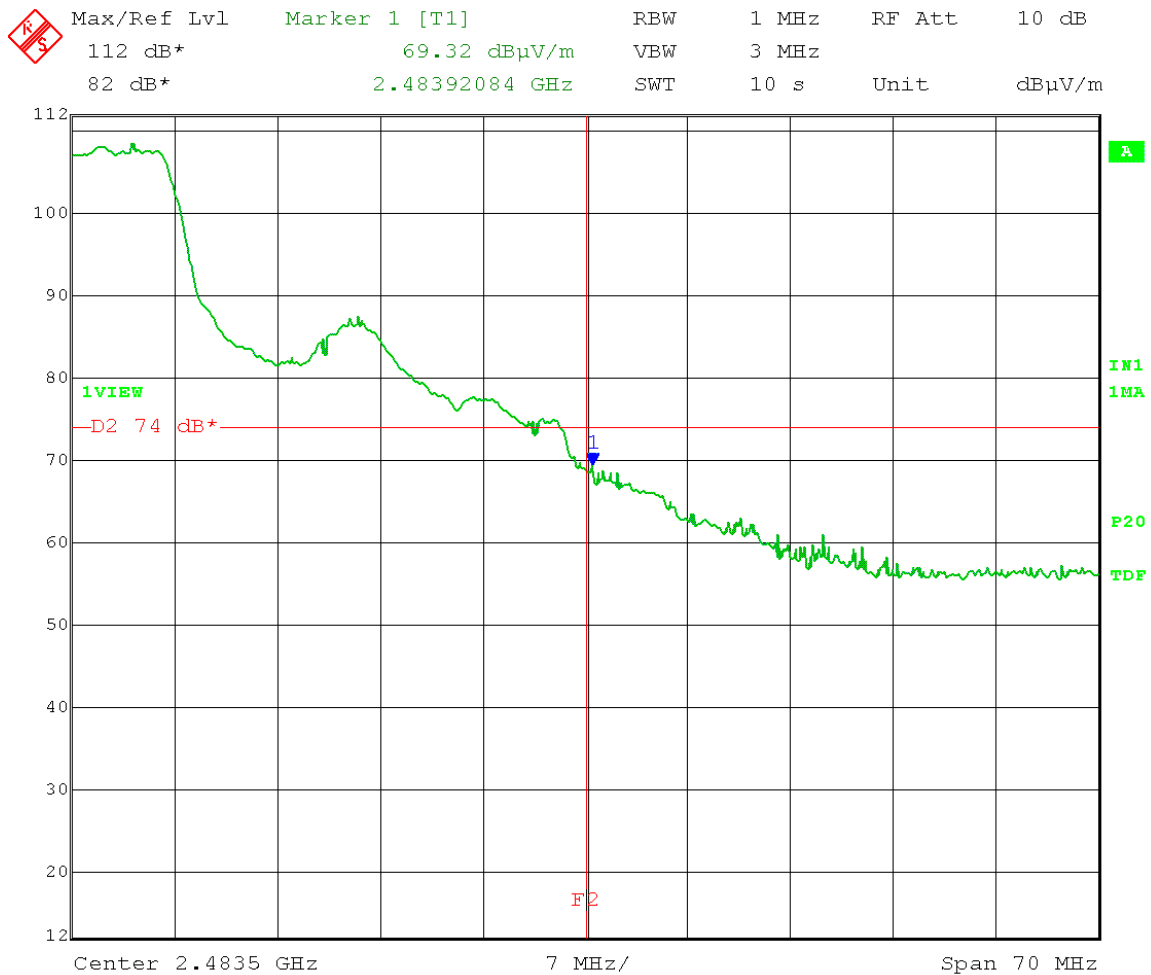
Date: 23.MAR.2017 08:48:23

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

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

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



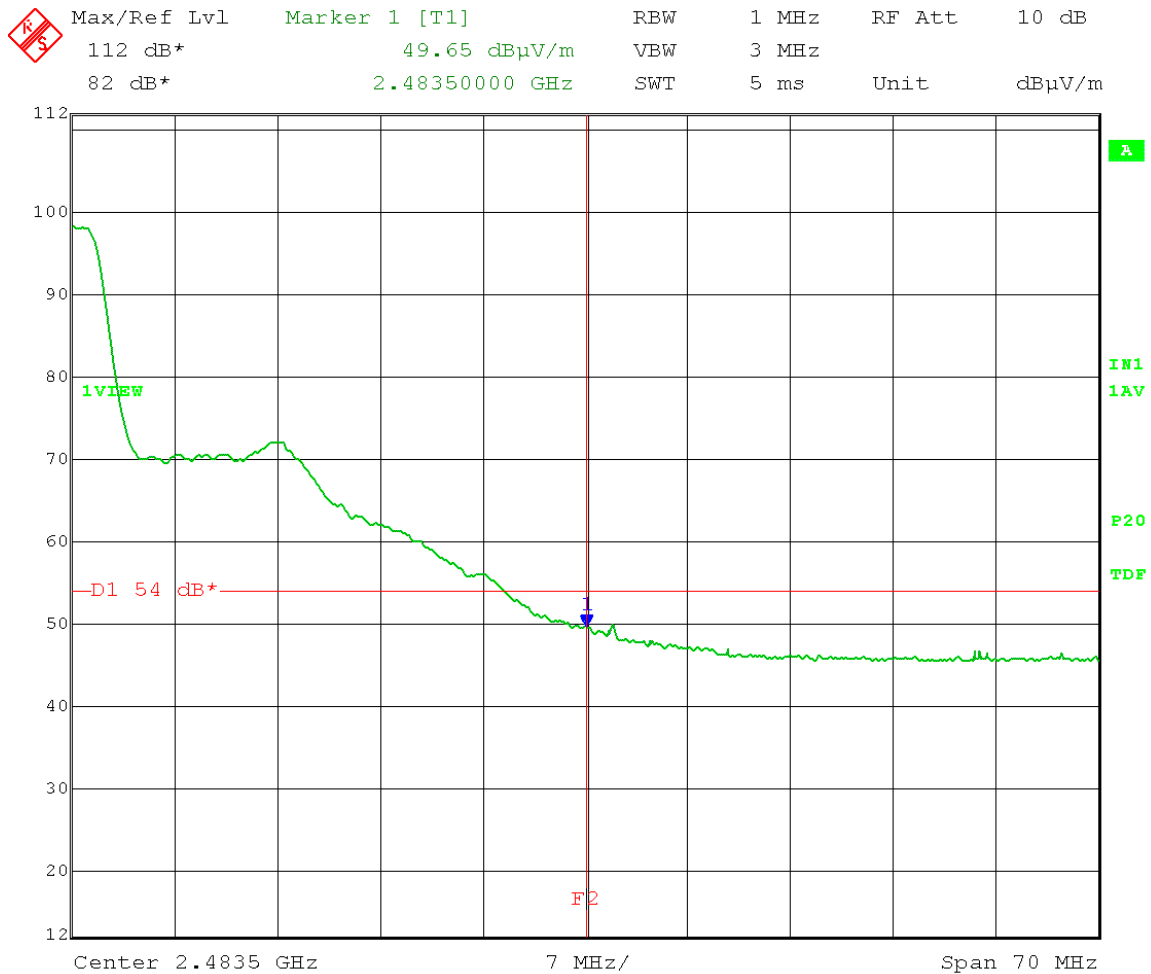
Date: 23.MAR.2017 08:49:56

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

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

HORIZONTAL:

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



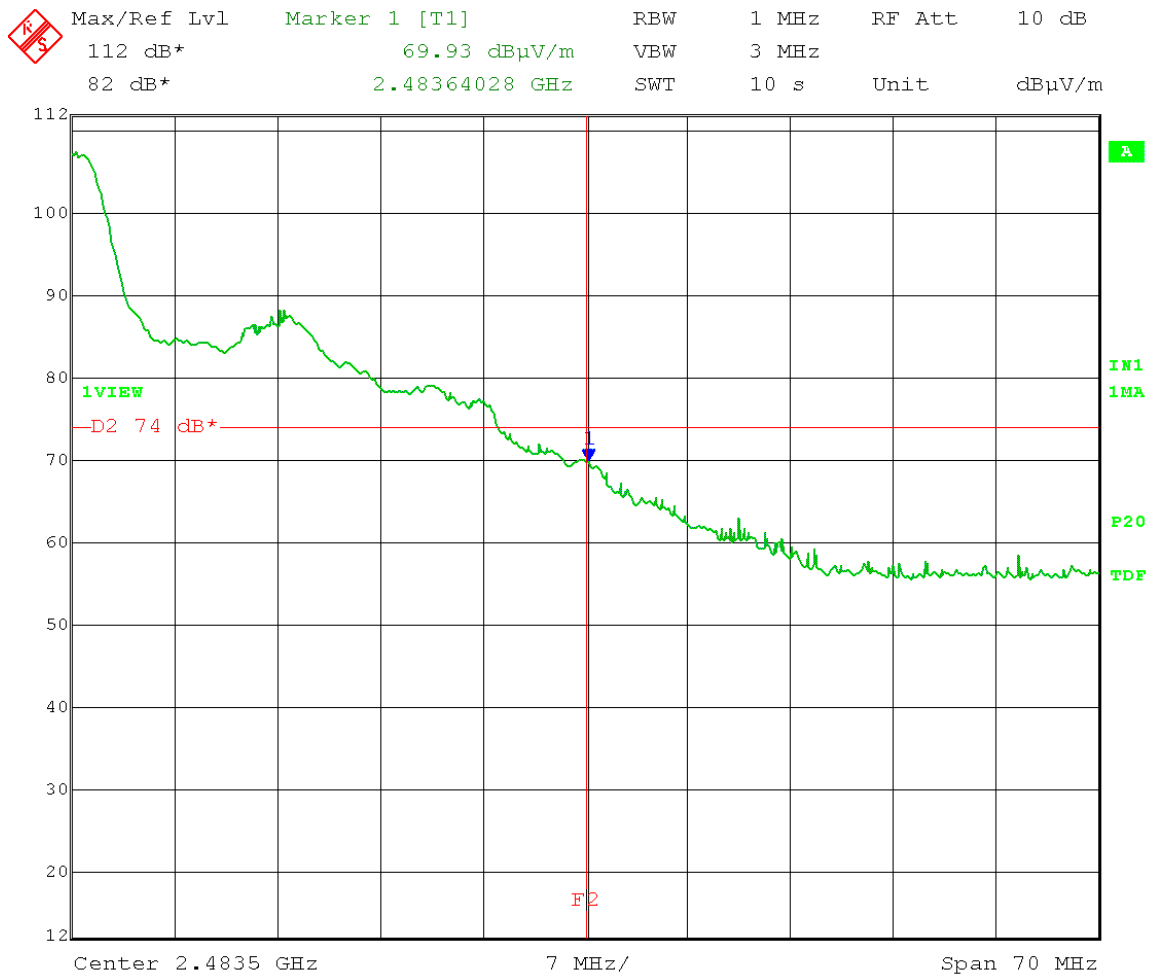
Date: 23.MAR.2017 08:54:46

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

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

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



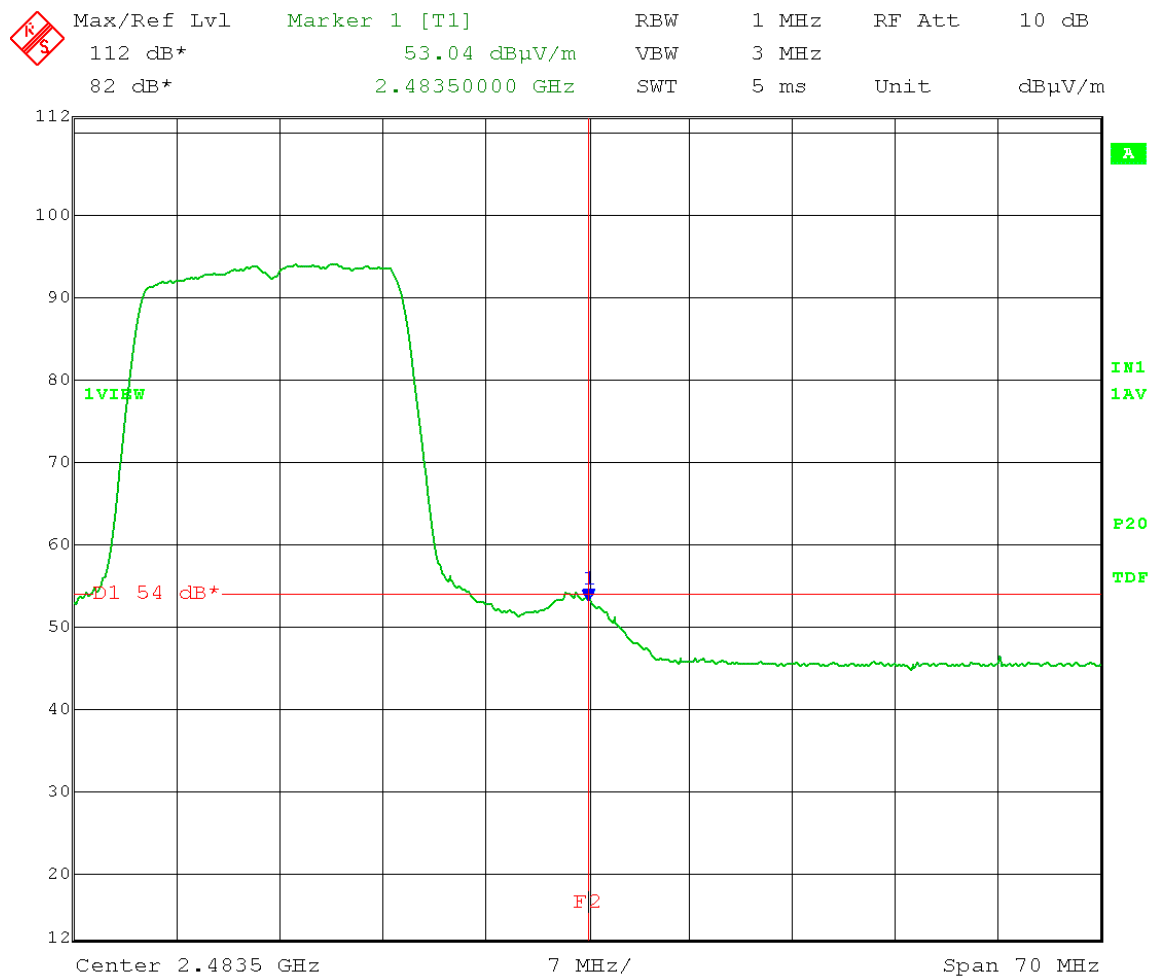
Date: 23.MAR.2017 08:57:30

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-n, MCS7
Power setting: 11

VERTICAL:

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



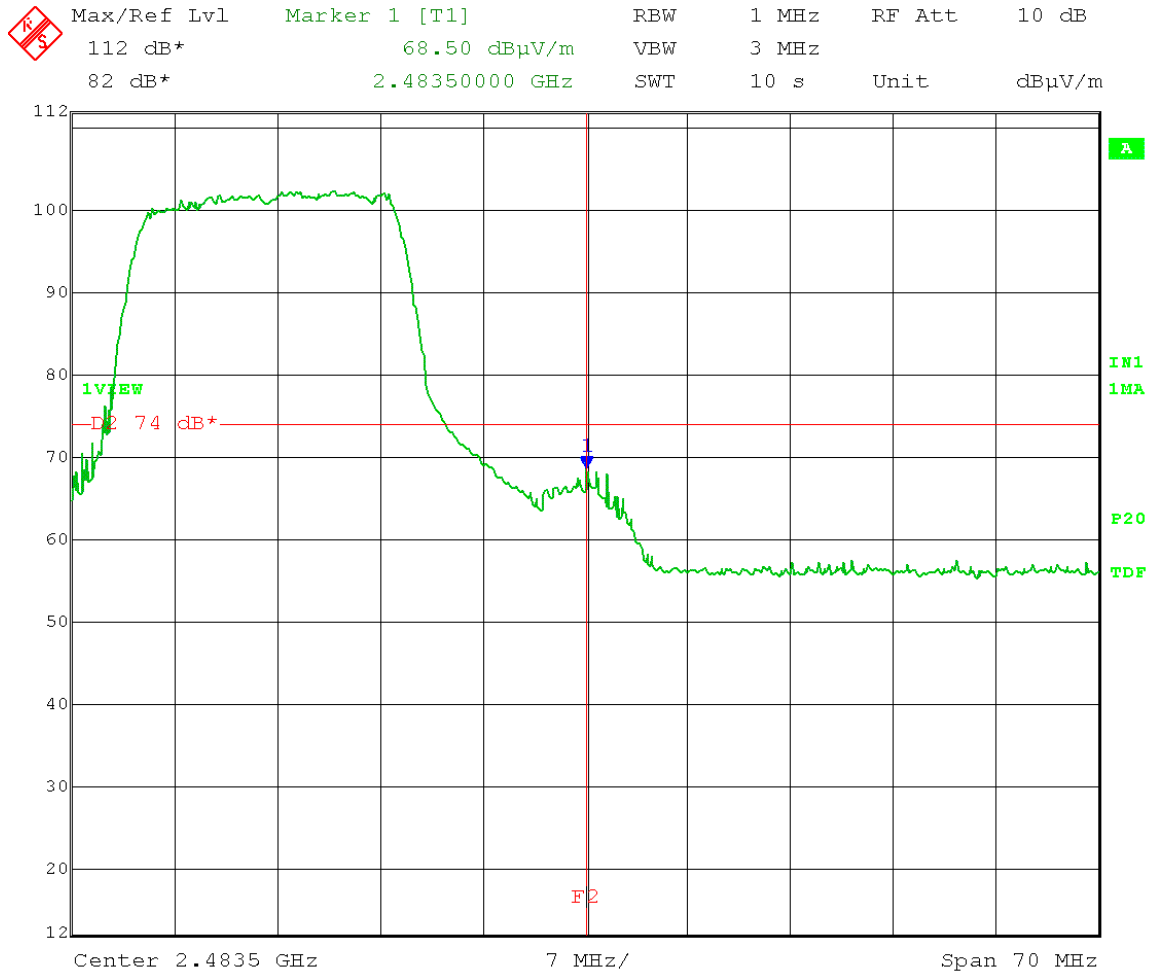
Date: 23.MAR.2017 09:47:29

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-n, MCS7
Power setting: 11

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



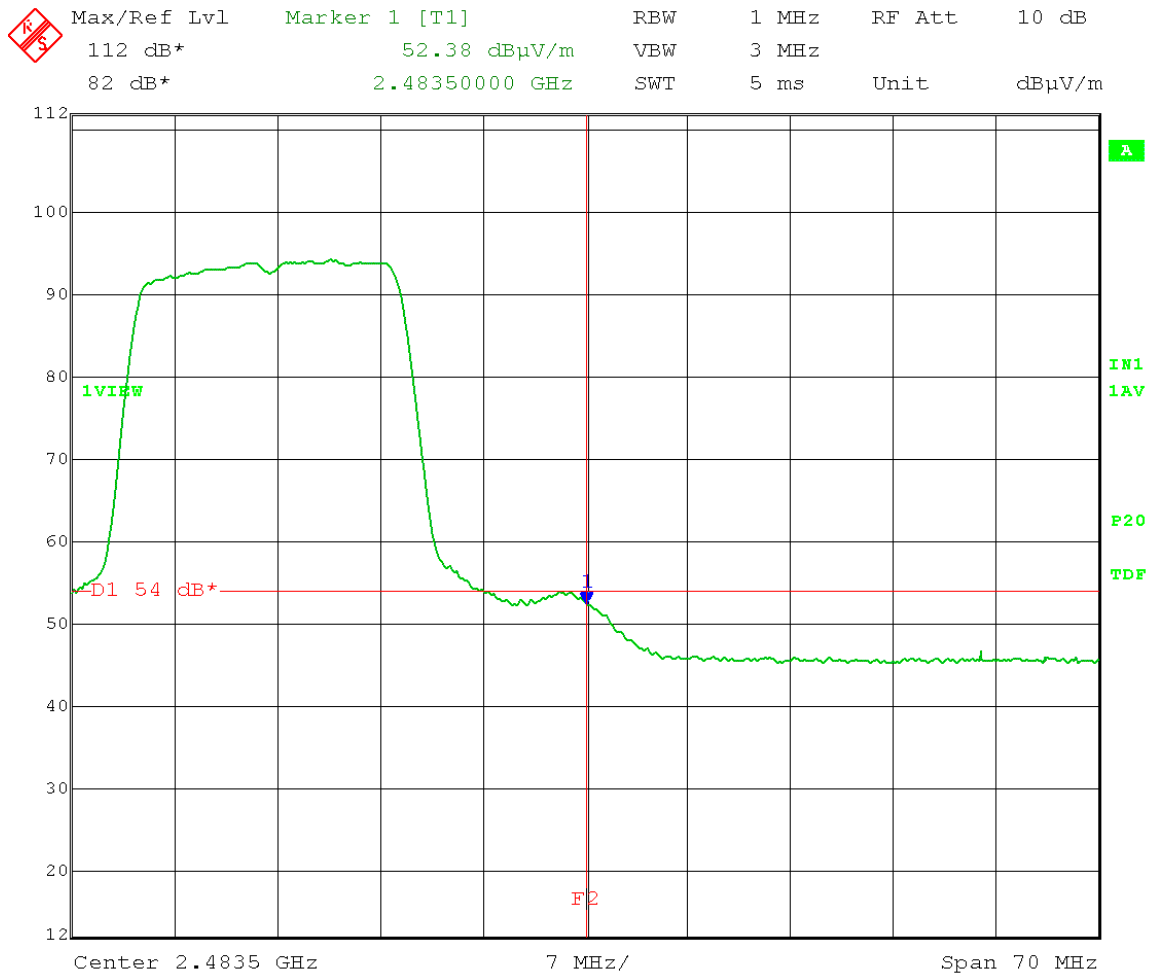
Date: 23.MAR.2017 09:49:11

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-n, MCS7
Power setting: 11

HORIZONTAL:

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



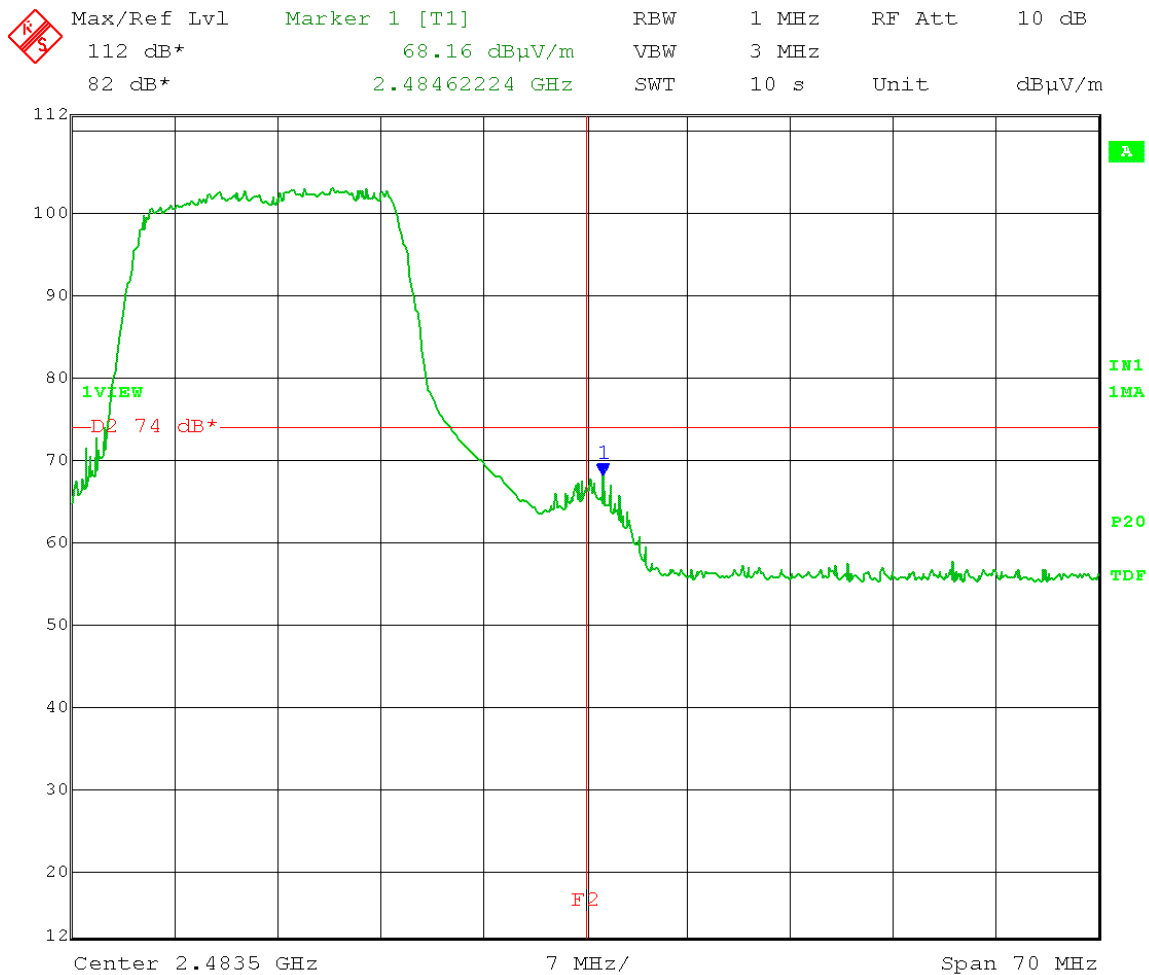
Date: 23.MAR.2017 09:00:40

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: High, 2462 MHz, channel 11
Modulation: 802.11-n, MCS7
Power setting: 11

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



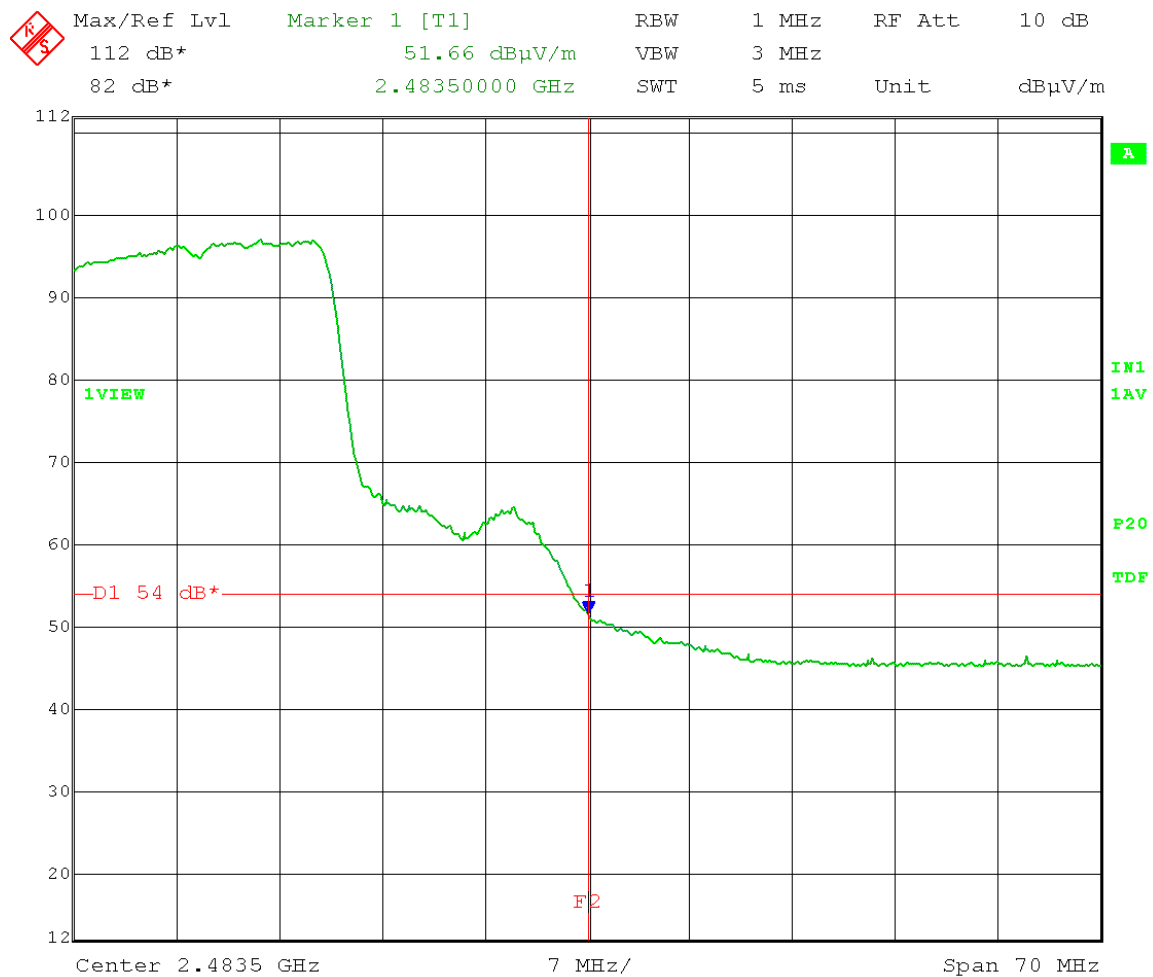
Date: 23.MAR.2017 09:02:20

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: 2457 MHz, channel 10
Modulation: 802.11-n, MCS7
Power setting: 14

VERTICAL:

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



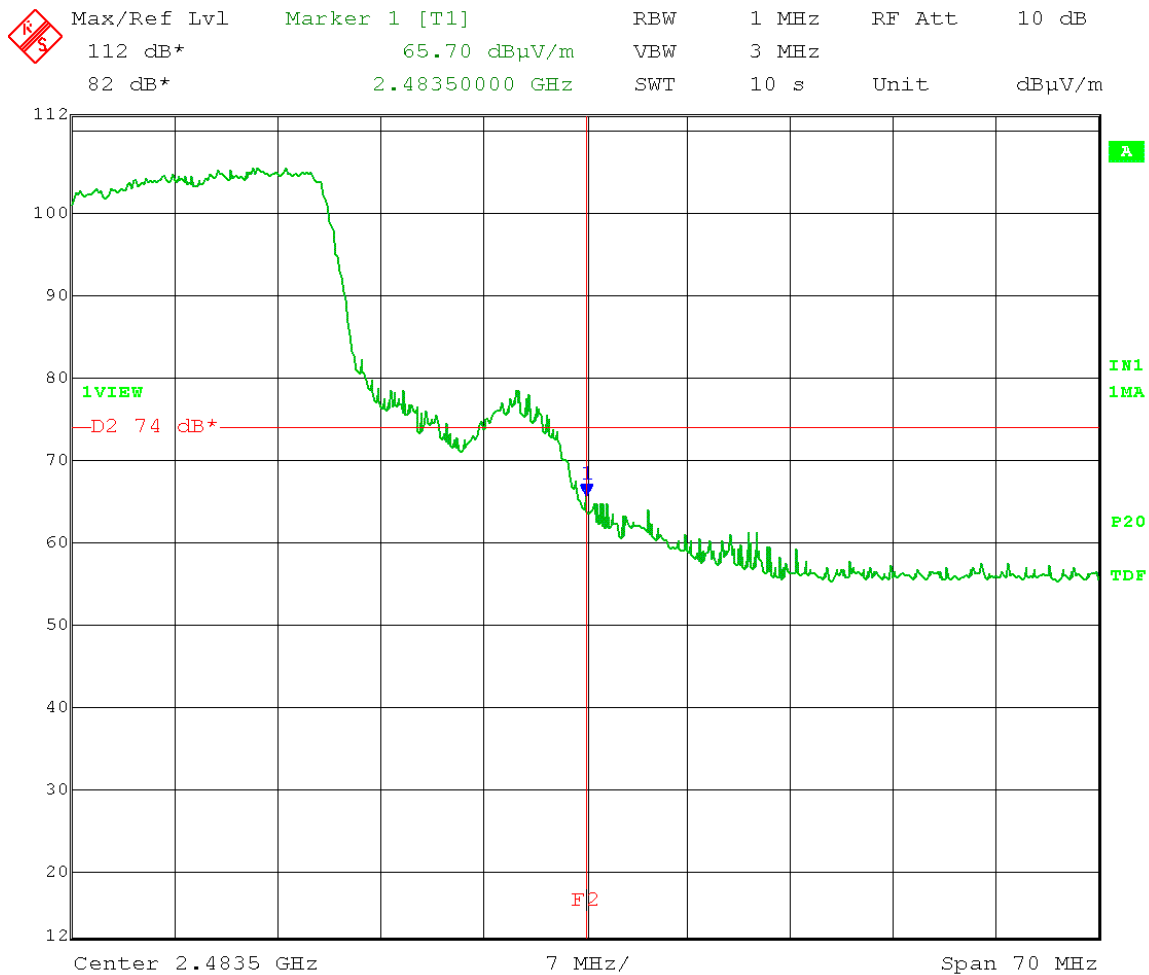
Date: 23.MAR.2017 09:51:34

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: 2457 MHz, channel 10
Modulation: 802.11-n, MCS7
Power setting: 14

VERTICAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



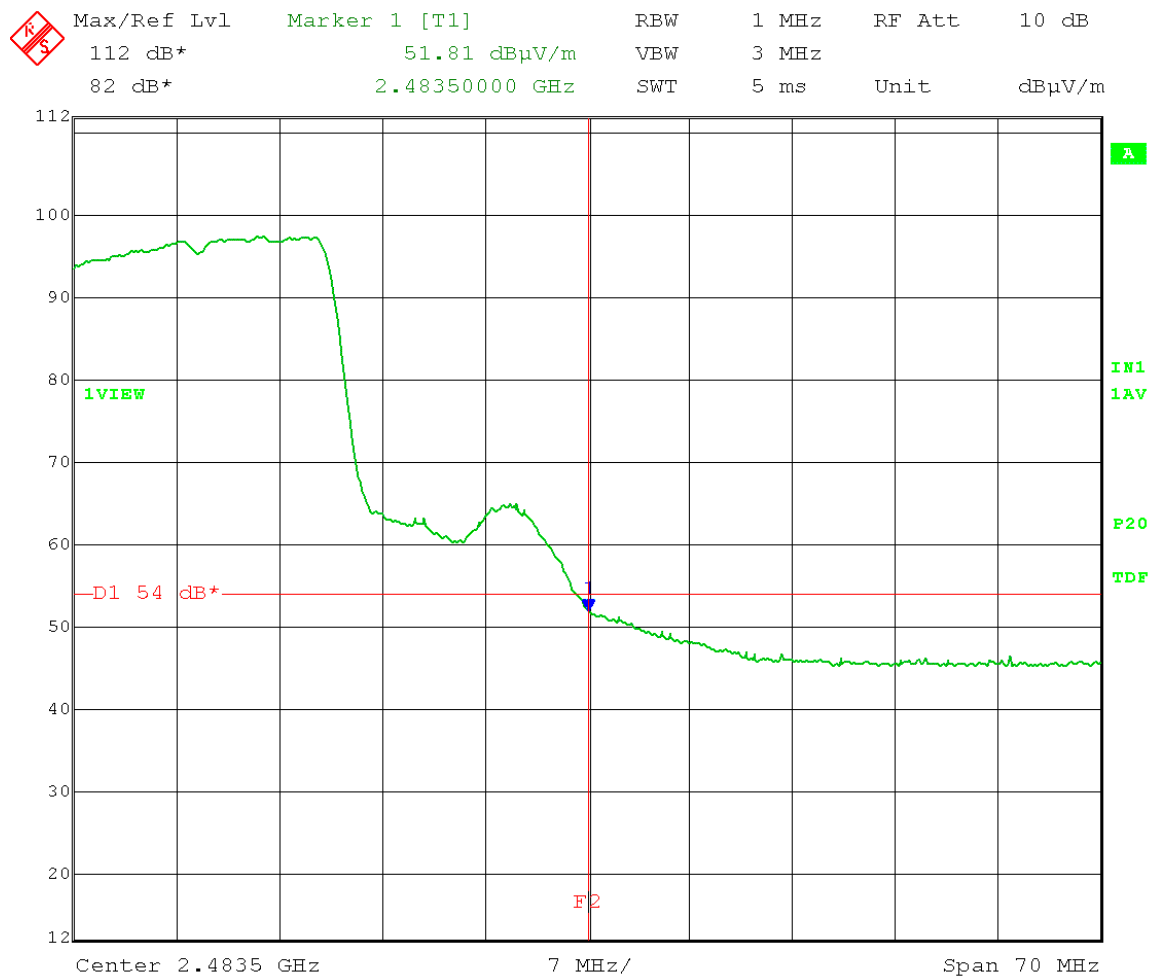
Date: 23.MAR.2017 09:53:22

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: 2457 MHz, channel 10
Modulation: 802.11-n, MCS7
Power setting: 14

HORIZONTAL:

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



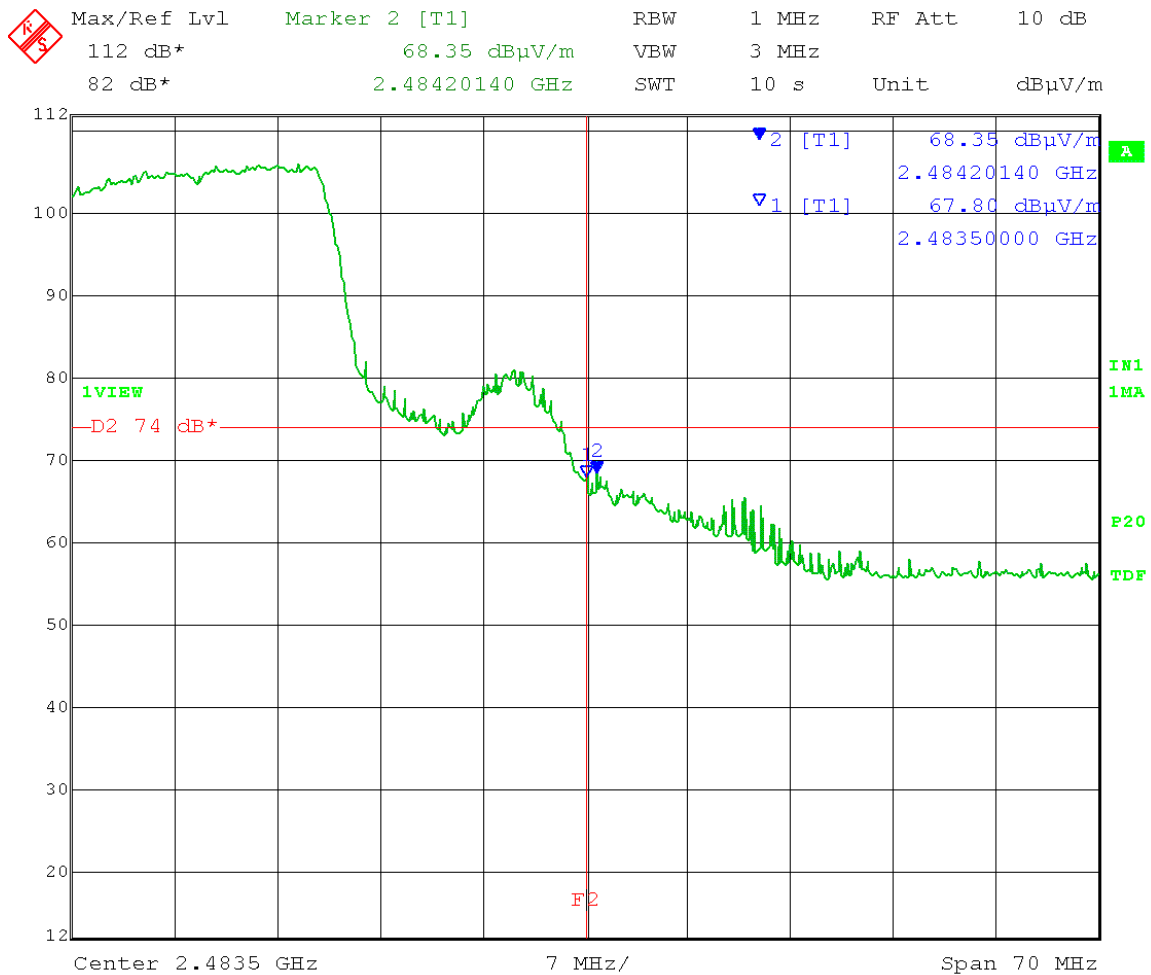
Date: 23.MAR.2017 09:04:20

Test Date: 03-23-2017
Company: Whirlpool Corporation
EUT: Tourmaline
Test: Upper Restricted Band-Edge Radiated
Rule part: FCC Part 15.247(d) and FCC Part 15.205
Operator: Craig B

Antenna: F antenna
Channel: 2457 MHz, channel 10
Modulation: 802.11-n, MCS7
Power setting: 14

HORIZONTAL:

PEAK: Limit = 74 dB μ V/m @ 3 meters



Date: 23.MAR.2017 09:06:20



Company:	Whirlpool Corporation
Model Tested:	WICHTO01
Report Number:	22691
DLS Project:	8732

166 South Carter, Genoa City, WI 53128

Appendix B

B9.0 AC Line Conducted Emissions

Rule Part:

FCC Part 15.207

Test Procedure:

ANSI C63.10-2013

6.2 Standard test method for ac power-line conducted emissions from unlicensed wireless devices

Limit:

FCC Part 15.207(a)

Results:

Compliant

Notes:

The EUT was powered with 12 V DC through an external AC/DC power supply (HON-KWANG, model HK-CP12-A12) that was connected to a Line Impedance Stabilization Network. The EUT was set to transmit at its maximum output power setting of 18 in 802.11b mode, a modulating signal representative of the worst-case signal encountered in a real system operation.



Report issuing date : 03-30-2017

Standard : FCC Part 15.207
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 71 °F
Humidity : 32%
Test Specs : Line 1
Operator : Craig B
DLS Project # : 8732
Result : Pass

EUT

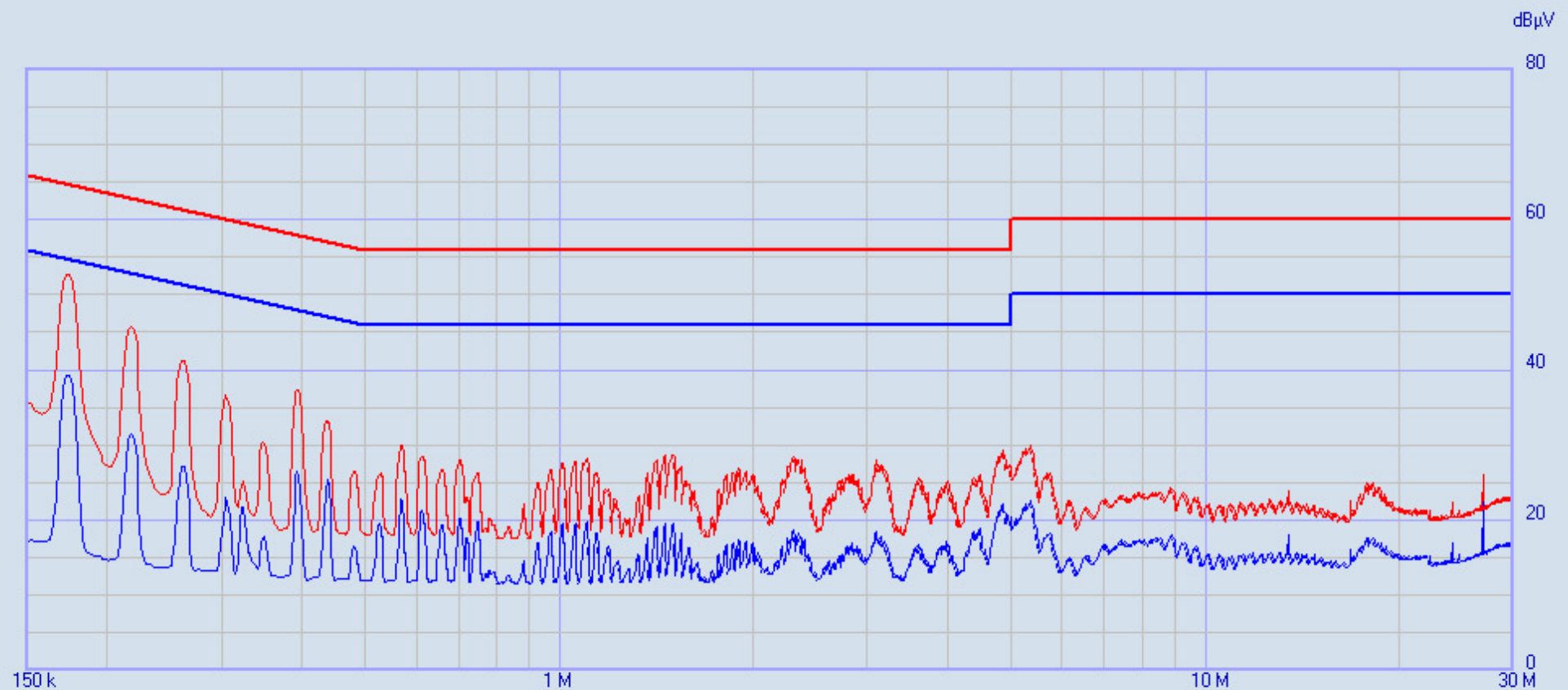
Manufacturer : Whirlpool Corporation
Model : Tourmaline
Product : WiFi module
Notes : 120 V 60 Hz; Tx on On-board antenna 1

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

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

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.



8732 Tourmaline 120V On-board 1 L1

	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 Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

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

Limits:
FCC 15.207 QP
FCC 15.207 AV

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

QPeak ———
C-Avg ———

8732 Tourmaline 120V On-board 1 L1 30/03/2017 11:36:03

Rel. SW 2.22 (August 2015)

Rel. FW 1.54 20/04/16

Margin: 22 dB

	Frequency	QPeak	Limit	Delta	C-Avg	Limit	Delta	Factor	Factor	Factor	Factor
	[MHz]	[dBμV]	FCC 15_20..	[dB]	[dBμV]	FCC 15_20..	[dB]	LISN DLS#..	EM-L705	DLS #592	Cables 43..
			[dBμV]			[dBμV]		[dB]	[dB]	[dB]	[dB]
1	0.168405	47.99	65.04	-17.05	31.89	55.04	---	1.41	10.01	1.99	0.09
2	0.17045	51.61	64.94	-13.33	37.51	54.94	-17.43	1.39	10.01	1.97	0.08
3	0.172495	52.65	64.84	-12.19	39.18	54.84	-15.66	1.37	10.01	1.96	0.07
4	0.17454	52.61	64.74	-12.13	39.23	54.74	-15.51	1.35	10.01	1.94	0.07
5	0.176585	51.54	64.64	-13.10	37.85	54.64	-16.79	1.32	10.01	1.92	0.06
6	0.17863	47.87	64.55	-16.68	32.66	54.55	-21.89	1.30	10.01	1.91	0.05
7	0.213395	43.80	63.07	-19.27	27.66	53.07	---	1.03	10.00	1.67	0.05
8	0.21544	45.32	62.99	-17.67	30.63	52.99	---	1.02	10.00	1.66	0.06
9	0.217485	45.71	62.91	-17.20	31.37	52.91	-21.54	1.00	10.00	1.65	0.07
10	0.21953	45.25	62.84	-17.59	30.82	52.84	---	0.99	10.01	1.64	0.08
11	0.221575	43.46	62.76	-19.30	27.95	52.76	---	0.98	10.01	1.63	0.08
12	0.258385	40.54	61.48	-20.94	25.45	51.48	---	0.82	10.17	1.44	0.06
13	0.26043	41.23	61.42	-20.19	27.05	51.42	---	0.81	10.17	1.43	0.06
14	0.262475	41.16	61.35	-20.19	27.13	51.35	---	0.81	10.17	1.43	0.06
15	0.26452	40.33	61.29	-20.96	25.70	51.29	---	0.80	10.17	1.43	0.06
16	0.389265	36.15	58.08	-21.93	22.59	48.08	---	0.54	10.14	1.03	0.10
17	0.39131	36.90	58.04	-21.14	25.67	48.04	---	0.54	10.14	1.02	0.10
18	0.393355	37.26	57.99	-20.73	26.48	47.99	-21.51	0.54	10.14	1.02	0.10
19	0.3954	37.24	57.95	-20.71	25.77	47.95	---	0.53	10.14	1.01	0.10
20	0.397445	36.56	57.91	-21.35	23.83	47.91	---	0.53	10.14	1.01	0.10
21	0.4363	33.25	57.13	---	25.39	47.13	-21.74	0.50	10.16	0.93	0.12



Report issuing date : 03-30-2017

Standard : FCC Part 15.207
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 71 °F
Humidity : 32%
Test Specs : Line 2
Operator : Craig B
DLS Project # : 8732
Result : Pass

EUT

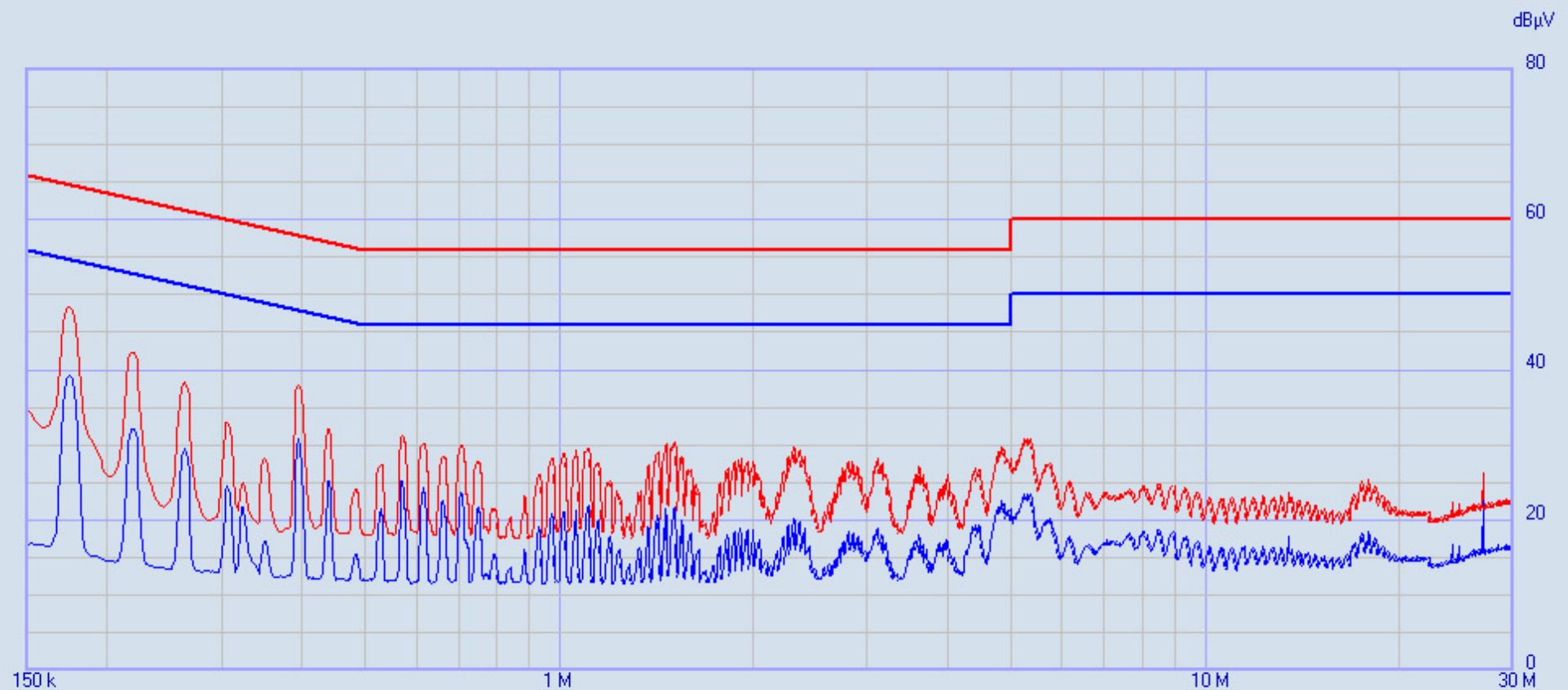
Manufacturer : Whirlpool Corporation
Model : Tourmaline
Product : WiFi module
Notes : 120 V 60 Hz; Tx on On-board antenna 1

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

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

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.



8732 Tourmaline 120V On-board 1 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 Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

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

Limits:
FCC 15.207 QP
FCC 15.207 AV

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

QPeak ———
C-Avg ———

8732 Tourmaline 120V On-board 1 L2 30/03/2017 11:48:04
 Rel. SW 2.22 (August 2015)
 Rel. FW 1.54 20/04/16
 Margin: 22 dB

	Frequency	QPeak	Limit	Delta	C-Avg	Limit	Delta	Factor	Factor	Factor	Factor
	[MHz]	[dBμV]	FCC 15_20..	[dB]	[dBμV]	FCC 15_20..	[dB]	LISN DLS#..	EM-L705	DLS #592	Cables 43..
			[dBμV]			[dBμV]		[dB]	[dB]	[dB]	[dB]
1	0.17045	46.09	64.94	-18.85	35.23	54.94	-19.71	1.39	10.01	1.97	0.08
2	0.172495	48.05	64.84	-16.79	38.75	54.84	-16.09	1.37	10.01	1.96	0.07
3	0.17454	48.32	64.74	-16.42	39.25	54.74	-15.49	1.35	10.01	1.94	0.07
4	0.176585	47.94	64.64	-16.70	38.73	54.64	-15.91	1.32	10.01	1.92	0.06
5	0.17863	45.85	64.55	-18.70	35.40	54.55	-19.15	1.30	10.01	1.91	0.05
6	0.21544	41.39	62.99	-21.60	30.15	52.99	---	1.02	10.00	1.66	0.06
7	0.217485	42.24	62.91	-20.67	32.07	52.91	-20.84	1.00	10.00	1.65	0.07
8	0.21953	42.24	62.84	-20.60	32.15	52.84	-20.69	0.99	10.01	1.64	0.08
9	0.221575	41.52	62.76	-21.24	30.73	52.76	---	0.98	10.01	1.63	0.08
10	0.262475	38.30	61.35	---	29.42	51.35	-21.93	0.81	10.17	1.43	0.06
11	0.39131	36.80	58.04	-21.24	26.35	48.04	-21.69	0.54	10.14	1.02	0.10
12	0.393355	37.64	57.99	-20.35	29.70	47.99	-18.29	0.54	10.14	1.02	0.10
13	0.3954	37.97	57.95	-19.98	30.71	47.95	-17.24	0.53	10.14	1.01	0.10
14	0.397445	37.82	57.91	-20.09	29.78	47.91	-18.13	0.53	10.14	1.01	0.10
15	0.39949	36.99	57.86	-20.87	27.11	47.86	-20.75	0.53	10.14	1.00	0.10
16	0.438345	32.03	57.09	---	25.20	47.09	-21.89	0.50	10.16	0.93	0.12
17	0.44039	31.62	57.05	---	25.18	47.05	-21.87	0.49	10.16	0.92	0.12
18	0.57127	31.00	56.00	---	25.20	46.00	-20.80	0.42	10.19	0.73	0.14
19	0.573315	31.23	56.00	---	25.14	46.00	-20.86	0.42	10.19	0.73	0.14
20	0.61626	30.07	56.00	---	24.22	46.00	-21.78	0.40	10.18	0.70	0.15



Report issuing date : 03-30-2017

Standard : FCC Part 15.207
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 71 °F
Humidity : 32%
Test Specs : Line 1
Operator : Craig B
DLS Project # : 8732
Result : Pass

EUT

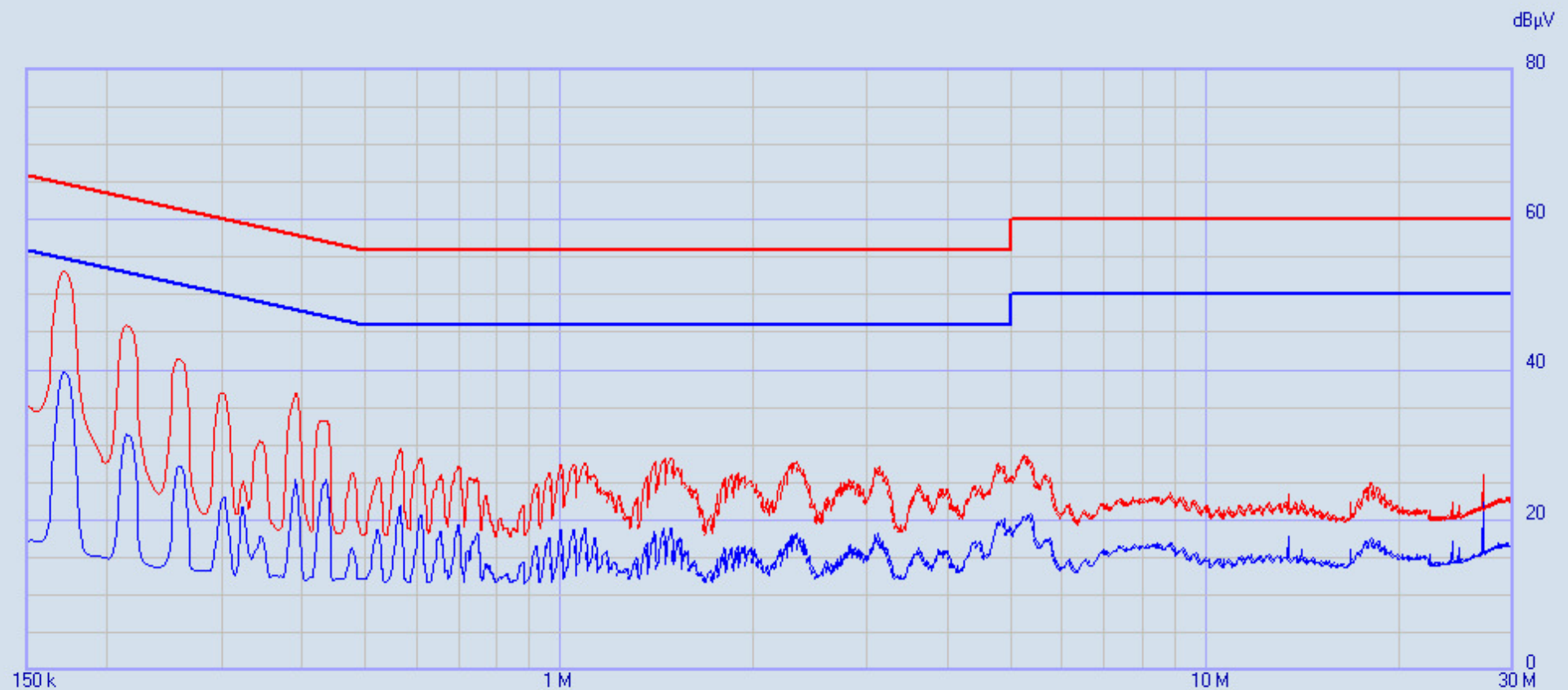
Manufacturer : Whirlpool Corporation
Model : Tourmaline
Product : WiFi module
Notes : 120 V 60 Hz; Tx on On-board antenna 2

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

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

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.



8732 Tourmaline 120V On-board 2 L1

	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 Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

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

Limits:
Class B V QP
Class B V AV

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

QPeak ———
C-Avg ———

8732 Tourmaline 120V On-board 2 L1 30/03/2017 12:25:47

Rel. SW 2.22 (August 2015)

Rel. FW 1.54 20/04/16

Margin: 22 dB

	Frequency	QPeak	Limit	Delta	C-Avg	Limit	Delta	Factor	Factor	Factor	Factor
	[MHz]	[dBμV]	Class B V..	[dB]	[dBμV]	Class B V..	[dB]	LISN DLS#..	EM-L705	DLS #592	Cables 43..
			[dBμV]			[dBμV]		[dB]	[dB]	[dB]	[dB]
1	0.164315	44.96	65.24	-20.28	26.69	55.24	---	1.46	10.00	2.03	0.10
2	0.16636	50.26	65.14	-14.88	34.03	55.14	-21.11	1.43	10.01	2.01	0.09
3	0.168405	52.45	65.04	-12.59	38.33	55.04	-16.71	1.41	10.01	1.99	0.09
4	0.17045	53.06	64.94	-11.88	39.59	54.94	-15.35	1.39	10.01	1.97	0.08
5	0.172495	52.86	64.84	-11.98	39.42	54.84	-15.42	1.37	10.01	1.96	0.07
6	0.17454	52.32	64.74	-12.42	38.71	54.74	-16.03	1.35	10.01	1.94	0.07
7	0.176585	50.26	64.64	-14.38	35.44	54.64	-19.20	1.32	10.01	1.92	0.06
8	0.17863	44.62	64.55	-19.93	27.88	54.55	---	1.30	10.01	1.91	0.05
9	0.209305	43.51	63.23	-19.72	25.86	53.23	---	1.06	9.99	1.69	0.04
10	0.21135	45.47	63.15	-17.68	29.78	53.15	---	1.05	10.00	1.68	0.05
11	0.213395	45.99	63.07	-17.08	31.44	53.07	-21.63	1.03	10.00	1.67	0.05
12	0.21544	45.83	62.99	-17.16	31.32	52.99	-21.67	1.02	10.00	1.66	0.06
13	0.217485	45.58	62.91	-17.33	31.01	52.91	-21.90	1.00	10.00	1.65	0.07
14	0.21953	44.49	62.84	-18.35	28.94	52.84	---	0.99	10.01	1.64	0.08
15	0.221575	40.92	62.76	-21.84	24.01	52.76	---	0.98	10.01	1.63	0.08
16	0.254295	40.83	61.62	-20.79	24.89	51.62	---	0.84	10.15	1.46	0.07
17	0.25634	41.39	61.55	-20.16	26.92	51.55	---	0.83	10.16	1.45	0.06
18	0.258385	41.42	61.48	-20.06	27.00	51.48	---	0.82	10.17	1.44	0.06
19	0.26043	41.28	61.42	-20.14	27.08	51.42	---	0.81	10.17	1.43	0.06
20	0.262475	40.72	61.35	-20.63	25.79	51.35	---	0.81	10.17	1.43	0.06
21	0.389265	36.46	58.08	-21.62	24.68	48.08	---	0.54	10.14	1.03	0.10
22	0.39131	36.86	58.04	-21.18	25.33	48.04	---	0.54	10.14	1.02	0.10
23	0.393355	36.85	57.99	-21.14	24.38	47.99	---	0.54	10.14	1.02	0.10
24	0.3954	36.02	57.95	-21.93	22.44	47.95	---	0.53	10.14	1.01	0.10
25	0.434255	33.26	57.17	---	25.28	47.17	-21.89	0.50	10.16	0.93	0.12



Report issuing date : 03-30-2017

Standard : FCC Part 15.207
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 71 °F
Humidity : 32%
Test Specs : Line 2
Operator : Craig B
DLS Project # : 8732
Result : Pass

EUT

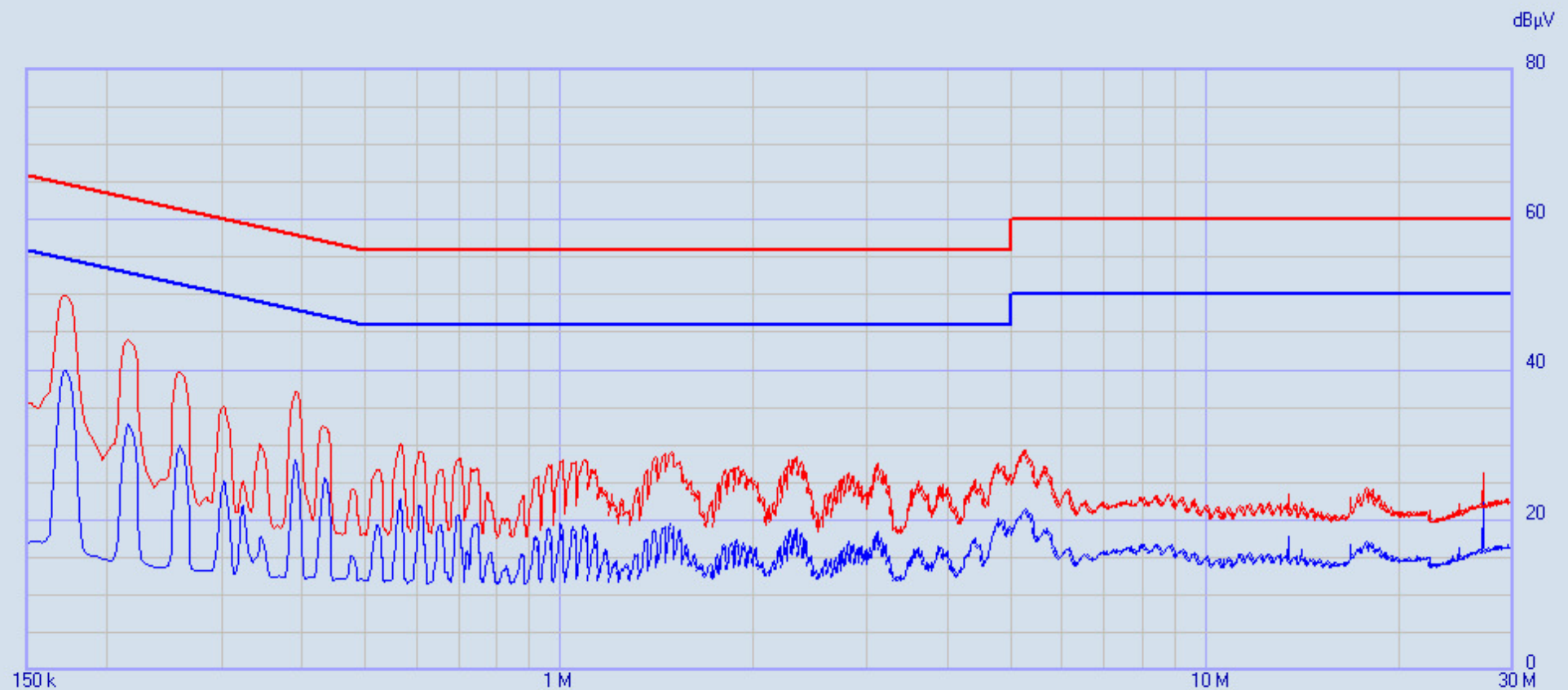
Manufacturer : Whirlpool Corporation
Model : Tourmaline
Product : WiFi module
Notes : 120 V 60 Hz; Tx on On-board antenna 2

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

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

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.



8732 Tourmaline 120V On-board 2 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 Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

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

Limits:
Class B V QP
Class B V AV

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

QPeak ———
C-Avg ———

8732 Tourmaline 120V On-board 2 L2 30/03/2017 12:29:09

Rel. SW 2.22 (August 2015)

Rel. FW 1.54 20/04/16

Margin: 22 dB

	Frequency	QPeak	Limit	Delta	C-Avg	Limit	Delta	Factor	Factor	Factor	Factor
	[MHz]	[dBμV]	Class B V..	[dB]	[dBμV]	Class B V..	[dB]	LISN DLS#..	EM-L705	DLS #592	Cables 43..
			[dBμV]			[dBμV]		[dB]	[dB]	[dB]	[dB]
1	0.16636	45.47	65.14	-19.67	30.99	55.14	---	1.43	10.01	2.01	0.09
2	0.168405	49.00	65.04	-16.04	37.27	55.04	-17.77	1.41	10.01	1.99	0.09
3	0.17045	49.85	64.94	-15.09	39.66	54.94	-15.28	1.39	10.01	1.97	0.08
4	0.172495	49.99	64.84	-14.85	39.83	54.84	-15.01	1.37	10.01	1.96	0.07
5	0.17454	49.47	64.74	-15.27	38.98	54.74	-15.76	1.35	10.01	1.94	0.07
6	0.176585	48.26	64.64	-16.38	36.66	54.64	-17.98	1.32	10.01	1.92	0.06
7	0.17863	44.02	64.55	-20.53	30.33	54.55	---	1.30	10.01	1.91	0.05
8	0.21135	42.90	63.15	-20.25	29.13	53.15	---	1.05	10.00	1.68	0.05
9	0.213395	43.90	63.07	-19.17	32.15	53.07	-20.92	1.03	10.00	1.67	0.05
10	0.21544	43.97	62.99	-19.02	32.78	52.99	-20.21	1.02	10.00	1.66	0.06
11	0.217485	43.68	62.91	-19.23	32.13	52.91	-20.78	1.00	10.00	1.65	0.07
12	0.21953	43.05	62.84	-19.79	30.70	52.84	---	0.99	10.01	1.64	0.08
13	0.221575	40.88	62.76	-21.88	26.68	52.76	---	0.98	10.01	1.63	0.08
14	0.258385	39.73	61.48	-21.75	29.97	51.48	-21.51	0.82	10.17	1.44	0.06
15	0.26043	39.49	61.42	-21.93	29.56	51.42	-21.86	0.81	10.17	1.43	0.06
16	0.38722	36.26	58.12	-21.86	26.79	48.12	-21.33	0.54	10.14	1.03	0.10
17	0.389265	36.77	58.08	-21.31	27.96	48.08	-20.12	0.54	10.14	1.03	0.10
18	0.39131	37.09	58.04	-20.95	28.06	48.04	-19.98	0.54	10.14	1.02	0.10
19	0.393355	37.13	57.99	-20.86	27.59	47.99	-20.40	0.54	10.14	1.02	0.10
20	0.3954	36.79	57.95	-21.16	25.90	47.95	---	0.53	10.14	1.01	0.10
21	0.43221	32.35	57.21	---	25.49	47.21	-21.72	0.50	10.16	0.94	0.12
22	0.434255	32.40	57.17	---	25.43	47.17	-21.74	0.50	10.16	0.93	0.12



Report issuing date : 03-30-2017

Standard : FCC Part 15.207
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 71 °F
Humidity : 32%
Test Specs : Line 1
Operator : Craig B
DLS Project # : 8732
Result : Pass

EUT

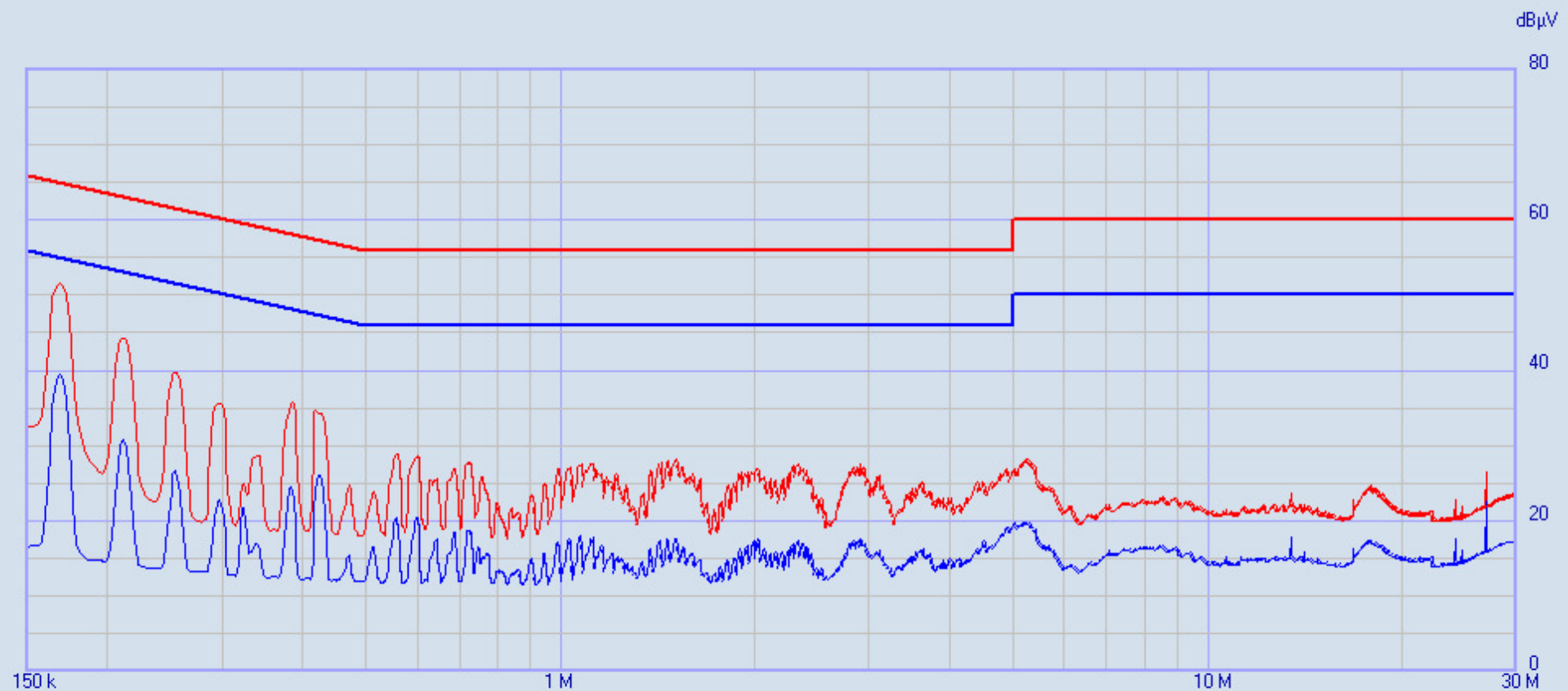
Manufacturer : Whirlpool Corporation
Model : Tourmaline
Product : WiFi module
Notes : 120 V 60 Hz; Tx on external PIFA antenna

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

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

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.



8732 Tourmaline 120V PIFA L1

	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 Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

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

Limits:
FCC 15_207 QP
FCC 15_207 AV

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

QPeak ———
C-Avg ———

8732 Tourmaline 120V PIFA L1 30/03/2017 13:03:52
 Rel. SW 2.22 (August 2015)
 Rel. FW 1.54 20/04/16
 Margin: 22 dB

	Frequency	QPeak	Limit	Delta	C-Avg	Limit	Delta	Factor	Factor	Factor	Factor
			FCC 15_20..			FCC 15_20..		LISN DLS#..	EM-L705	DLS #592	Cables 43..
	[MHz]	[dBμV]	[dBμV]	[dB]	[dBμV]	[dBμV]	[dB]	[dB]	[dB]	[dB]	[dB]
1	0.16227	45.37	65.35	-19.98	28.47	55.35	---	1.49	10.00	2.05	0.11
2	0.164315	49.77	65.24	-15.47	35.06	55.24	-20.18	1.46	10.00	2.03	0.10
3	0.16636	51.23	65.14	-13.91	38.51	55.14	-16.63	1.43	10.01	2.01	0.09
4	0.168405	51.59	65.04	-13.45	39.45	55.04	-15.59	1.41	10.01	1.99	0.09
5	0.17045	51.20	64.94	-13.74	38.77	54.94	-16.17	1.39	10.01	1.97	0.08
6	0.172495	50.13	64.84	-14.71	36.13	54.84	-18.71	1.37	10.01	1.96	0.07
7	0.17454	46.54	64.74	-18.20	30.23	54.74	---	1.35	10.01	1.94	0.07
8	0.20726	43.11	63.31	-20.20	27.32	53.31	---	1.07	9.99	1.70	0.03
9	0.209305	44.06	63.23	-19.17	30.07	53.23	---	1.06	9.99	1.69	0.04
10	0.21135	44.25	63.15	-18.90	30.80	53.15	---	1.05	10.00	1.68	0.05
11	0.213395	44.00	63.07	-19.07	29.86	53.07	---	1.03	10.00	1.67	0.05
12	0.21544	43.07	62.99	-19.92	27.27	52.99	---	1.02	10.00	1.66	0.06
13	0.254295	39.75	61.62	-21.87	26.68	51.62	---	0.84	10.15	1.46	0.07
14	0.25634	39.64	61.55	-21.91	25.76	51.55	---	0.83	10.16	1.45	0.06
15	0.42403	34.36	57.37	---	26.12	47.37	-21.25	0.51	10.15	0.96	0.11
16	0.426075	34.26	57.33	---	26.10	47.33	-21.23	0.51	10.15	0.95	0.11
17	0.42812	34.23	57.29	---	25.44	47.29	-21.85	0.50	10.15	0.95	0.11



Report issuing date : 03-30-2017

Standard : FCC Part 15.207
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 71 °F
Humidity : 32%
Test Specs : Line 2
Operator : Craig B
DLS Project # : 8732
Result : Pass

EUT

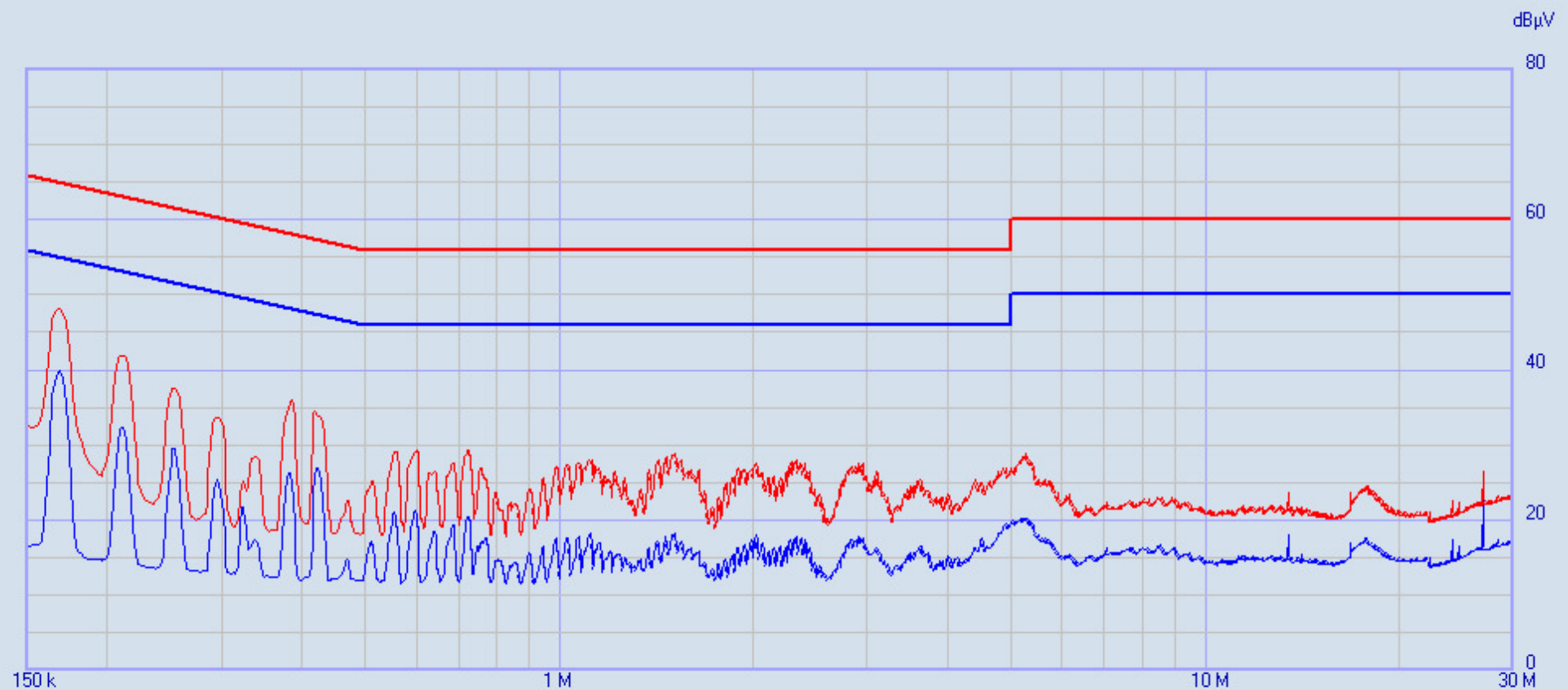
Manufacturer : Whirlpool Corporation
Model : Tourmaline
Product : WiFi module
Notes : 120 V 60 Hz; Tx on external PIFA antenna

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

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

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.



8732 Tourmaline 120V PIFA 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 Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

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

Limits:
FCC 15_207 QP
FCC 15_207 AV

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

QPeak ———
C-Avg ———

8732 Tourmaline 120V PIFA L2 30/03/2017 13:08:48
 Rel. SW 2.22 (August 2015)
 Rel. FW 1.54 20/04/16
 Margin: 22 dB

	Frequency	QPeak	Limit	Delta	C-Avg	Limit	Delta	Factor	Factor	Factor	Factor
	[MHz]	[dBμV]	FCC 15_20..	[dB]	[dBμV]	FCC 15_20..	[dB]	LISN DLS#..	EM-L705	DLS #592	Cables 43..
			[dBμV]			[dBμV]		[dB]	[dB]	[dB]	[dB]
1	0.164315	46.92	65.24	-18.32	36.35	55.24	-18.89	1.46	10.00	2.03	0.10
2	0.16636	47.87	65.14	-17.27	39.29	55.14	-15.85	1.43	10.01	2.01	0.09
3	0.168405	48.05	65.04	-16.99	39.89	55.04	-15.15	1.41	10.01	1.99	0.09
4	0.17045	47.58	64.94	-17.36	38.92	54.94	-16.02	1.39	10.01	1.97	0.08
5	0.172495	46.43	64.84	-18.41	35.59	54.84	-19.25	1.37	10.01	1.96	0.07
6	0.20726	41.40	63.31	-21.91	29.85	53.31	---	1.07	9.99	1.70	0.03
7	0.209305	41.89	63.23	-21.34	32.04	53.23	-21.19	1.06	9.99	1.69	0.04
8	0.21135	41.83	63.15	-21.32	32.32	53.15	-20.83	1.05	10.00	1.68	0.05
9	0.213395	41.56	63.07	-21.51	30.87	53.07	---	1.03	10.00	1.67	0.05
10	0.381085	34.87	58.26	---	26.34	48.26	-21.92	0.55	10.14	1.04	0.09
11	0.41994	34.45	57.45	---	25.69	47.45	-21.76	0.51	10.15	0.96	0.11
12	0.421985	34.17	57.41	---	26.88	47.41	-20.53	0.51	10.15	0.96	0.11
13	0.42403	33.86	57.37	---	26.98	47.37	-20.39	0.51	10.15	0.96	0.11
14	0.426075	33.77	57.33	---	26.37	47.33	-20.96	0.51	10.15	0.95	0.11



Report issuing date : 03-30-2017

Standard : FCC Part 15.207
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 71 °F
Humidity : 32%
Test Specs : Line 1
Operator : Craig B
DLS Project # : 8732
Result : Pass

EUT

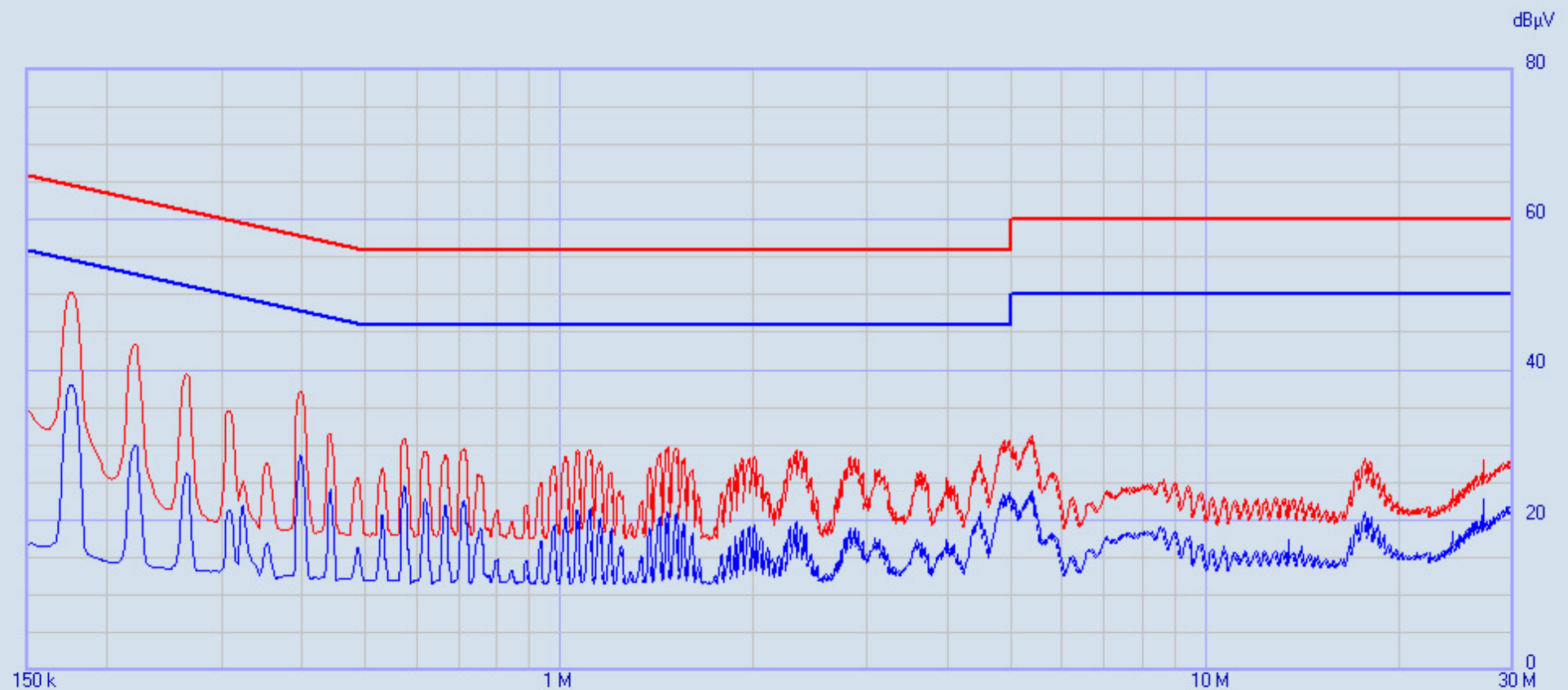
Manufacturer : Whirlpool Corporation
Model : Tourmaline
Product : WiFi module
Notes : 120 V 60 Hz; Tx on external F antenna

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

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

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.



8732 Tourmaline 120V F L1

	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 Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

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

Limits:
FCC 15_207 QP
FCC 15_207 AV

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

QPeak ———
C-Avg ———

8732 Tourmaline 120V F L1 30/03/2017 13:18:38
 Rel. SW 2.22 (August 2015)
 Rel. FW 1.54 20/04/16
 Margin: 22 dB

	Frequency	QPeak	Limit	Delta	C-Avg	Limit	Delta	Factor	Factor	Factor	Factor
	[MHz]	[dBμV]	FCC 15_20..	[dB]	[dBμV]	FCC 15_20..	[dB]	LISN DLS#..	EM-L705	DLS #592	Cables 43..
			[dBμV]			[dBμV]		[dB]	[dB]	[dB]	[dB]
1	0.17045	44.79	64.94	-20.15	30.01	54.94	---	1.39	10.01	1.97	0.08
2	0.172495	49.06	64.84	-15.78	36.13	54.84	-18.71	1.37	10.01	1.96	0.07
3	0.17454	50.30	64.74	-14.44	37.86	54.74	-16.88	1.35	10.01	1.94	0.07
4	0.176585	50.29	64.64	-14.35	37.86	54.64	-16.78	1.32	10.01	1.92	0.06
5	0.17863	49.17	64.55	-15.38	36.61	54.55	-17.94	1.30	10.01	1.91	0.05
6	0.180675	45.24	64.45	-19.21	31.30	54.45	---	1.28	10.01	1.89	0.05
7	0.217485	42.63	62.91	-20.28	28.80	52.91	---	1.00	10.00	1.65	0.07
8	0.21953	43.35	62.84	-19.49	29.84	52.84	---	0.99	10.01	1.64	0.08
9	0.221575	43.11	62.76	-19.65	29.67	52.76	---	0.98	10.01	1.63	0.08
10	0.22362	41.76	62.68	-20.92	27.68	52.68	---	0.97	10.01	1.62	0.09
11	0.26452	39.42	61.29	-21.87	26.20	51.29	---	0.80	10.17	1.43	0.06
12	0.3954	36.69	57.95	-21.26	27.17	47.95	-20.78	0.53	10.14	1.01	0.10
13	0.397445	37.12	57.91	-20.79	28.65	47.91	-19.26	0.53	10.14	1.01	0.10
14	0.39949	37.03	57.86	-20.83	28.34	47.86	-19.52	0.53	10.14	1.00	0.10
15	0.401535	36.39	57.82	-21.43	26.43	47.82	-21.39	0.53	10.14	1.00	0.10
16	0.57536	30.75	56.00	---	24.47	46.00	-21.53	0.42	10.19	0.73	0.14
17	0.577405	30.83	56.00	---	24.21	46.00	-21.79	0.41	10.19	0.73	0.14



Report issuing date : 03-30-2017

Standard : FCC Part 15.207
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 71 °F
Humidity : 32%
Test Specs : Line 2
Operator : Craig B
DLS Project # : 8732
Result : Pass

EUT

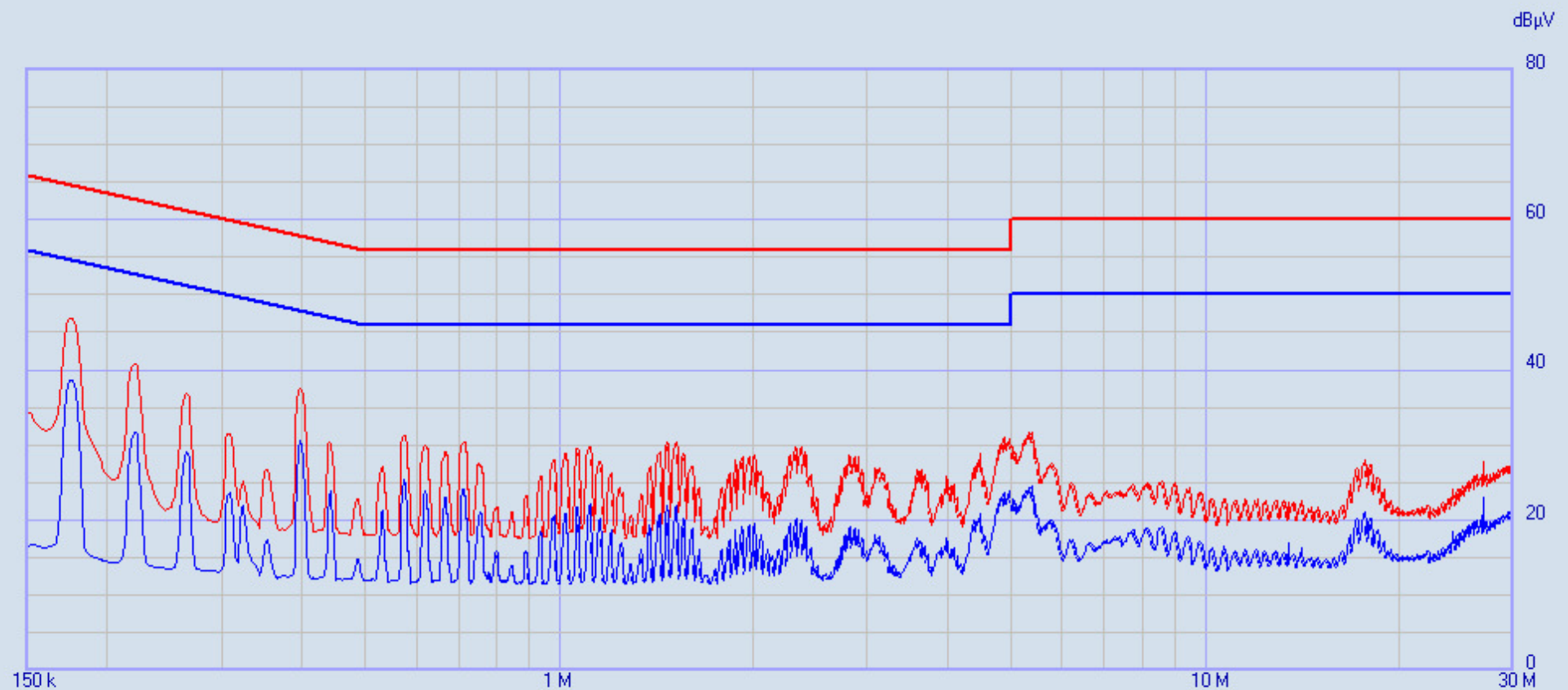
Manufacturer : Whirlpool Corporation
Model : Tourmaline
Product : WiFi module
Notes : 120 V 60 Hz; Tx on external F antenna

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

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

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.



8732 Tourmaline 120V F 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 Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

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

Limits:
FCC 15_207 QP
FCC 15_207 AV

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

QPeak ———
C-Avg ———

8732 Tourmaline 120V F L2 30/03/2017 13:21:57
 Rel. SW 2.22 (August 2015)
 Rel. FW 1.54 20/04/16
 Margin: 22 dB

Frequency	QPeak	Limit	Delta	C-Avg	Limit	Delta	Factor	Factor	Factor	Factor	
		FCC 15_20..			FCC 15_20..		LISN DLS#..	EM-L705	DLS #592	Cables 43..	
[MHz]	[dBμV]	[dBμV]	[dB]	[dBμV]	[dBμV]	[dB]	[dB]	[dB]	[dB]	[dB]	
1	0.172495	45.98	64.84	-18.86	36.91	54.84	-17.93	1.37	10.01	1.96	0.07
2	0.17454	46.91	64.74	-17.83	38.66	54.74	-16.08	1.35	10.01	1.94	0.07
3	0.176585	46.91	64.64	-17.73	38.65	54.64	-15.99	1.32	10.01	1.92	0.06
4	0.17863	46.05	64.55	-18.50	37.20	54.55	-17.35	1.30	10.01	1.91	0.05
5	0.21953	40.85	62.84	-21.99	31.64	52.84	-21.20	0.99	10.01	1.64	0.08
6	0.221575	40.66	62.76	---	31.41	52.76	-21.35	0.98	10.01	1.63	0.08
7	0.3954	37.06	57.95	-20.89	29.22	47.95	-18.73	0.53	10.14	1.01	0.10
8	0.397445	37.42	57.91	-20.49	30.64	47.91	-17.27	0.53	10.14	1.01	0.10
9	0.39949	37.27	57.86	-20.59	30.10	47.86	-17.76	0.53	10.14	1.00	0.10
10	0.401535	36.61	57.82	-21.21	27.85	47.82	-19.97	0.53	10.14	1.00	0.10
11	0.57536	31.17	56.00	---	25.30	46.00	-20.70	0.42	10.19	0.73	0.14
12	0.577405	31.20	56.00	---	24.85	46.00	-21.15	0.41	10.19	0.73	0.14
13	0.708285	30.18	56.00	---	24.03	46.00	-21.97	0.37	10.19	0.62	0.15
14	0.71033	30.32	56.00	---	24.06	46.00	-21.94	0.37	10.19	0.61	0.15



Company:	Whirlpool Corporation
Model Tested:	WICHTO01
Report Number:	22691
DLS Project:	8732

166 South Carter, Genoa City, WI 53128

Appendix C – Measurement Uncertainty

Compliance with the limits in this standard are based on the results of the compliance measurement. Our calculated measurement uncertainty including the measurement instrumentation, associated connections between the various instruments in the measurement chain, and other contributions, are provided in this section of the test report.

Parameter	Expanded Uncertainty (K=2)
Occupied Channel Bandwidth	+/-1.14%
RF Output Power, Conducted	+/-0.89dB
Power Spectral Density, Conducted	+/-1.26dB
Unwanted Emissions, Conducted	+/-2.62dB
All Emissions, Radiated	+/-3.43dB
DC and Low Frequency Voltages	+/-2.42%
Time	+/-0.01%
Duty Cycle	+/-0.05%

AC Line Conducted		Uncertainty (+ / - dB)
Contribution	Probability Distribution	
		150 kHz - 30 MHz
Combined Standard Uncertainty	Normal	1.05
Expanded Uncertainty	Normal (k=2)	2.10



166 South Carter, Genoa City, WI 53128

Company:	Whirlpool Corporation
Model Tested:	WICHTO01
Report Number:	22691
DLS Project:	8732

END OF REPORT

Revision #	Date	Comments	By
1.0	April 17, 2017	Initial Release	CB