



www.nemko.com



Test Report: 91502-3

Applicant: BelAir Networks Inc
603 March Road,
Ottawa, ON
K2K 2M5

Apparatus: ERM2

FCC ID: RAR20031001

In Accordance With: FCC Part 15 Subpart C, 15.247
FHSS System and Digitally Modulated Radiators
902-928MHz, 2400 - 2483.5 MHz, 5725-5850MHz

Tested By: Nemko Canada Inc.
303 River Road
Ottawa, Ontario
K1V 1H2

Authorized By:

A handwritten signature in blue ink, appearing to read 'Jason Nixon'.

Jason Nixon, Telecom Specialist

Date: October 29, 2007

Total Number of Pages: 255

Report Summary

These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15, Subpart C. Radiated tests were conducted in accordance with ANSI C63.4-2003. Radiated emissions are made on an open area test site. A description of the test facility is on file with the FCC.

The assessment summary is as follows:

Apparatus Assessed:	ERM2
Specification:	FCC Part 15 Subpart C, 15.247
Compliance Status:	Complies
Exclusions:	None
Non-compliances:	None
Report Release History:	Original Release

Author: Roman Kuleba, EMC/Wireless Specialist

Note that the results contained in this report relate only to the items tested and were obtained in the period between the date of initial receipt of samples and the date of issue of the report.

This test report has been completed in accordance with the requirements of ISO/IEC 17025.

Nemko Canada Inc. authorizes the applicant to reproduce this report provided it is reproduced in its entirety and for use by the company's employees only.

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Nemko Canada Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

TABLE OF CONTENTS

Report Summary.....	2
Section 1: Equipment Under Test.....	4
1.1 Product Identification	4
1.2 Samples Submitted for Assessment.....	4
1.3 Theory of Operation	4
1.4 Technical Specifications of the EUT	5
Section 2: Test Conditions.....	6
2.1 Specifications	6
2.2 Deviations From Laboratory Test Procedures	6
2.3 Test Environment	6
2.4 Test Equipment.....	6
2.5 Measurement Uncertainty.....	7
Section 3: Observations	8
3.1 Modifications Performed During Assessment	8
3.2 Record Of Technical Judgements	8
3.3 EUT Parameters Affecting Compliance	8
3.4 Test Deleted.....	8
3.5 Additional Observations	8
Section 4: Results Summary	9
4.1 FCC Part 15 Subpart C: Test Results	10
Appendix A: Test Results	11
Clause §15.207(a) AC Powerline Conducted Emissions	11
Clause 15.209(a) Radiated Emissions within Restricted Bands.....	15
Clause 15.247(a)(2) Systems using digital modulation techniques.....	167
Clause 15.247(b)(3) Maximum peak output power of systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands	171
Clause 15.247(d) Radiated Emissions Not in Restricted Bands.....	194
Clause 15.247(e) Power Spectral Density for Digitally Modulated Devices	211
§2.1055 Measurements required: Frequency stability	253
Appendix B: Setup Photographs	254
Appendix C: Block Diagram of Test Setups.....	255
Test Site For Radiated Emissions	255
Conducted Emissions.....	255

Section 1: Equipment Under Test

1.1 Product Identification

The Equipment Under Test was identified as follows:

BelAir ERM2 Enhanced Radio Module

1.2 Samples Submitted for Assessment

The following samples of the apparatus have been submitted for type assessment:

Sample No.	Description	Serial No. / Part No.
1	ERM2 Enhanced Radio Module, BCG001567 A01	S/N: K002153707
2	BELAIR 100 Radio (Host)	AABHB6384
3	RF-filter	BMA000281-A
4	Ethernet Hub, Airlink ASW105/A4	S/N: 0526A4A20149
5	Laptop PC, Toshiba Satellite A10 (M/N:PSA10C-00REH)	S/N: 63042093J
6	30dBi / 5GHz Antenna, Andrew, P2F-52-NEA	S/N: 07DESA0540096
7	28dBi / 5.15-5.875GHz Antenna, Wireless Edge, MT-486001	S/N: 05544
8	23dBi / 5.15-5.875GHz Antenna, Huber & Suhner, SPA 5600/9/23/0/V	S/N: 04375
9	19dBi / 5.15-5.875GHz Antenna, Wireless Edge, MT-485001	S/N: 01108
10	18dBi / 5.15-5.875GHz Sectoral Antenna, MAXRAD, WISP4959018MBV	S/N: 335980
11	15dBi / 5.15-5.875GHz Antenna, BELAIR, BEL10008-A01	—
12	10.5dBi / 5.15-5.875GHz Antenna, BELAIR, B1BB025AA-A01	—
13	10dBi / 5.15-5.875GHz Antenna, Wireless Edge, MT-482003/N	S/N: 00286
14	10dBi / 5.15-5.875GHz Antenna, MAXRAD, MMO58010NF	S/N: 08018-2

The first samples were received on: August 16, 2007

1.3 Theory of Operation

The ERM2 is an 802.11a (OFDM) W-LAN Wireless Module designed for operation in the 5.725 – 5.85 GHz band.

1.4 Technical Specifications of the EUT

Manufacturer:	BelAir Networks Inc.
Frequency Band	5725 MHz – 5850 MHz
Operation Frequency	5735 MHz – 5840 MHz
Rated Output Power:	20 dBm ⁽¹⁾
Emission Designator	W7D
Modulation:	802.11a
Antenna Data:	30dBi, Andrew, P2F-52-NEA 28dBi, Wireless Edge, MT-486001 23dBi, Huber & Suhner, SPA 5600/9/23/0/V 19dBi, Wireless Edge, MT-485001 18dBi, MAXRAD, WISP4959018MBV 15dBi, BELAIR, BEL10008-A01 10.5dBi, BELAIR, B1BB025AA-A01 10dBi, Wireless Edge, MT-482003/N 10dBi, MAXRAD, MMO58010NF
Antenna Connector:	MCX

NOTES:

- (1) Manufacturer's rated power is average power measured using a wide-band power meter with a thermocouple detector.
- (2) In order to meet the standard requirements 23dBi, 28dBi and 30dBi antenna were tested with an RF-filter (Part Number: BMA000281-A) connected between the EUT and the antenna. These antennas will be installed and used with the filter.

Section 2: Test Conditions

2.1 Specifications

The apparatus was assessed against the following specifications:

FCC Part 15 Subpart C, 15.247 (FHSS System and Digitally Modulated Radiators 902-928MHz, 2400 - 2483.5 MHz, 5725-5850MHz)

2.2 Deviations From Laboratory Test Procedures

No deviations were made from laboratory test procedures.

2.3 Test Environment

All tests were performed under the following environmental conditions:

Temperature range	:	15 – 30 °C
Humidity range	:	20 - 75 %
Pressure range	:	86 - 106 kPa
Power supply range	:	+/- 5% of rated voltages

2.4 Test Equipment

Equipment	Manufacturer	Model No.	Asset/Serial No.	Next Cal.
LISN	EMCO	4825/2	FA001545	Aug. 29/08
Spectrum Analyzer	Hewlett-Packard	8565E	FA000981	Oct. 06/07
Transient Limiter	Hewlett-Packard	1194 7A	FA000975	Sept. 11/08
Test Receiver	Rohde & Schwarz	ESHS 10	FA001918	Sept. 05/08
Spectrum Analyzer	Rhode & Schwarz	FSP40	FA001920	Mar. 19/08
Spectrum Analyzer	Rhode & Schwarz	FSU	FA001877	Jan. 16/08
Signal Generator	Rohde & Schwarz	SMR40	FA001879	Aug. 8/08
Power Meter	Agilent	N1911A	FA001946	Jan. 23/08
Power Sensor	Agilent	N1922A	FA001947	Jan. 23/08
RF AMP	JCA	1 – 2 GHz	FA001498	Aug. 21/08
RF AMP	JCA	2 – 4 GHz	FA001496	Aug. 21/08
RF AMP	JCA	4 – 8 GHz	FA001497	Aug. 21/08
RF AMP	DBS Microwave	1 – 8 GHz	FA001428	COU
RF AMP	DBS Microwave	5 – 18 GHz	FA001409	COU
RF AMP	Narda	18.0 – 26.0 GHz	FA001550	COU
RF AMP	Narda	26.0 – 40.0 GHz	FA001556	COU
Bi-Conical Antenna #1	EMCO	3109	FA000904	May 14/08
Log Periodic Antenna #4	EMCO	3148	FA001455	Apr. 26/08
Horn Antenna #2	EMCO	3115	FA000825	Jan. 30/08
Horn 18 – 26.5 GHz	Electro-Metrics	SH-50/60-1	FA000479	COU
Horn 18 – 40 GHz	EMCO	3116	FA001847	COU

* COU (Calibrate on Use)

** NCR (No Calibration Required)

2.5 Measurement Uncertainty

Nemko Canada measurement uncertainty has been calculated using guidance of UKAS LAB 34:2003 and TIA-603-B Nov 7, 2002. All calculations have been performed to provide a confidence level of 95% and can be found in Nemko Canada document MU-003.

Section 3: Observations

3.1 Modifications Performed During Assessment

No modifications were performed during assessment.

3.2 Record Of Technical Judgements

No technical judgements were made during the assessment.

3.3 EUT Parameters Affecting Compliance

In order to meet the standard requirements 23dBi, 28dBi and 30dBi antenna were tested with an RF-filter (Part Number: BMA000281-A) connected between the EUT and the antenna. These antennas will be installed and used with the filter.

3.4 Test Deleted

No Tests were deleted from this assessment.

3.5 Additional Observations

There were no additional observations made during this assessment.

Section 4: Results Summary

This section contains the following:

FCC Part 15 Subpart C: Test Results

The column headed 'Required' indicates whether the associated clauses were invoked for the apparatus under test. The following abbreviations are used:

- N No: not applicable / not relevant.
- Y Yes: Mandatory i.e. the apparatus shall conform to these tests.
- N/T Not Tested, mandatory but not assessed. (See section 3.4 Test deleted)

The results contained in this section are representative of the operation of the apparatus as originally submitted.

4.1 FCC Part 15 Subpart C: Test Results

Part 15	Test Description	Required	Result
15.31(e)	Variation of power supply	YES	PASS
15.207(a)	Powerline Conducted Emissions	YES	PASS
15.209(a)	Radiated Emissions within Restricted Bands	YES	PASS
15.247(a)(1)	Frequency hopping systems	N	N/A
15.247(a)(1)(i)	Frequency hopping systems operating in the 902-928 MHz band	N	N/A
15.247(a)(1)(ii)	Frequency hopping systems operating in the 5725-5850 MHz band	N	N/A
15.247(a)(1)(iii)	Frequency hopping systems operating in the 2400-2483.5 MHz band	N	N/A
15.247(a)(2)	Systems using digital modulation techniques (6dB Bandwidth)	YES	PASS
15.247(b)(1)	Maximum peak output power of Frequency hopping systems operating in the 2400-2483.5 MHz band and 5725-5850 MHz band	N	N/A
15.247(b)(2)	Maximum peak output power of Frequency hopping systems operating in the 902-928 MHz band	N	N/A
15.247(b)(3)	Maximum peak output power of systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands	YES	PASS
15.247(b)(4)	Maximum peak output power	YES	PASS
15.247(c)(1)	Fixed point-to-point Operation with directional antenna gains greater than 6 dBi	N	N/A
15.247(c)(2)	Transmitters operating in the 2400-2483.5 MHz band that emit multiple directional beams	N	N/A
15.247(d)	Radiated Emissions Not in Restricted Bands	YES	PASS
15.247(e)	Power Spectral Density for Digitally Modulated Devices	YES	PASS
15.247(f)	Time of Occupancy for Hybrid Systems	N	N/A
2.1055	Measurements required: Frequency stability	YES	PASS

Notes:

Appendix A: Test Results

Clause §15.207(a) AC Powerline Conducted Emissions

§15.207 Conducted limits.

a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50µH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of Emission (MHz)	Conducted limit (dBµV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

Test Conditions:

Sample Number:	1	Temperature (°C):	25°C
Date:	August 26, 2007	Humidity (%):	48 %
Modification State:	0	Tester:	Roman Kuleba
		Laboratory:	Ottawa

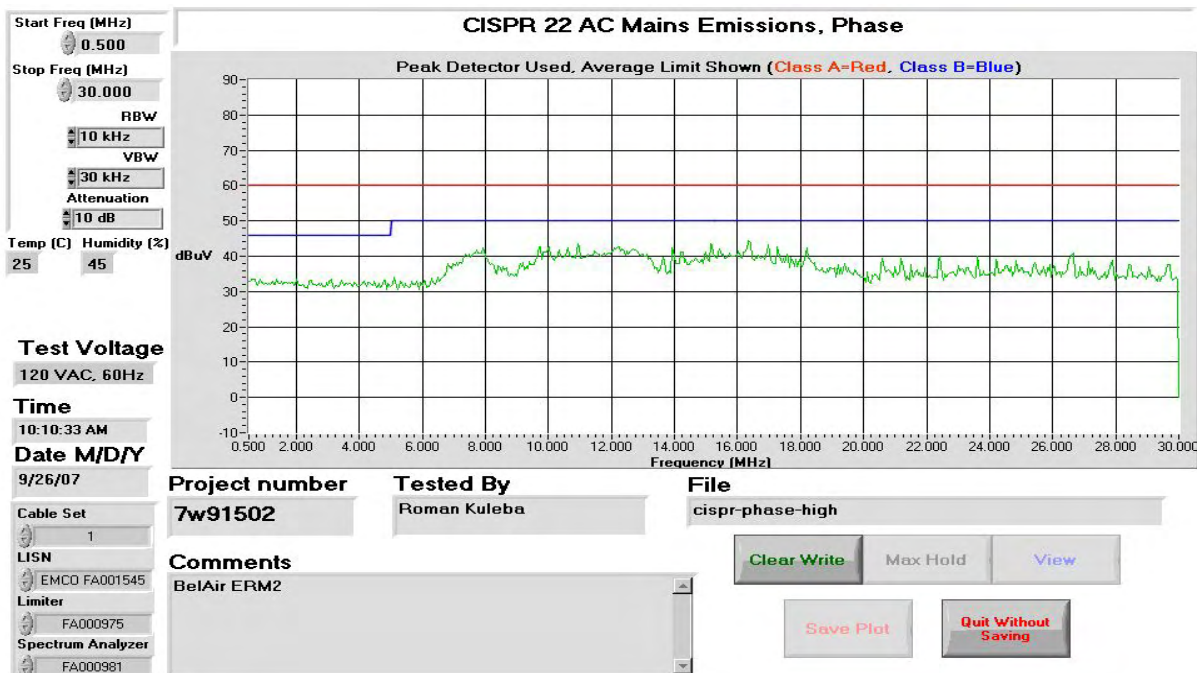
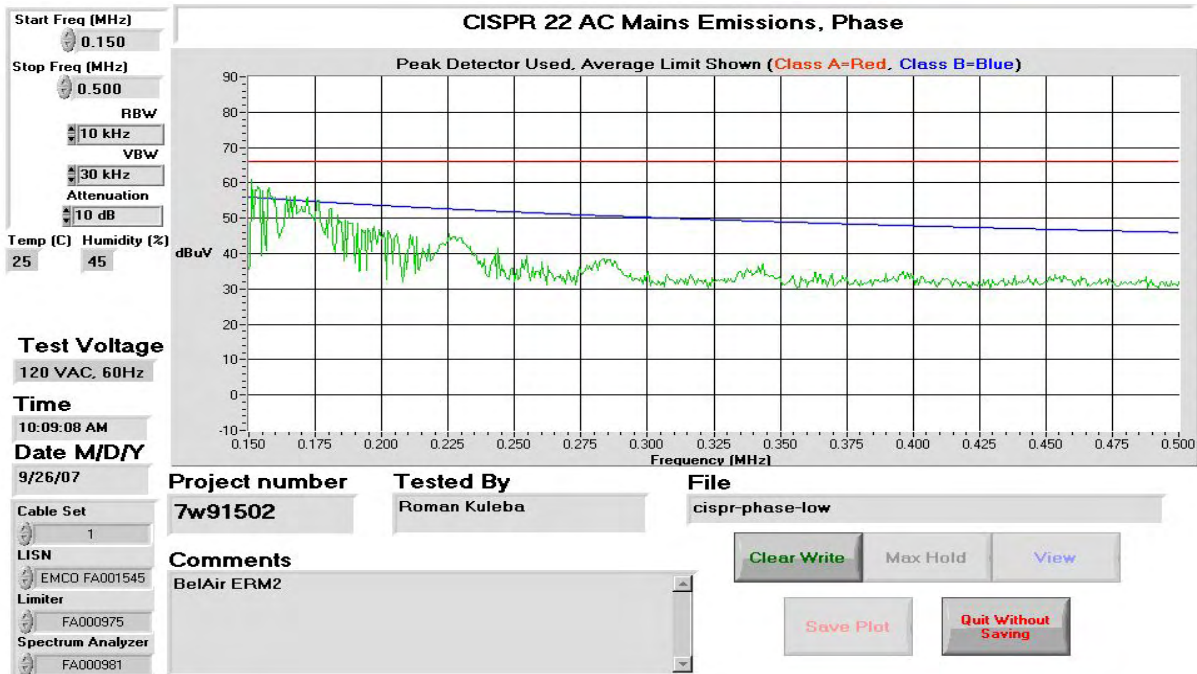
Test Results: Pass (see attached plots and table).

Additional Observations:

All plots were taken using a Peak detector and compared to the Average limits. Measurements were performed using 10kHz RBW / 30kHz VBW and have been corrected with the cable and LISN losses to show compliance with the limits.

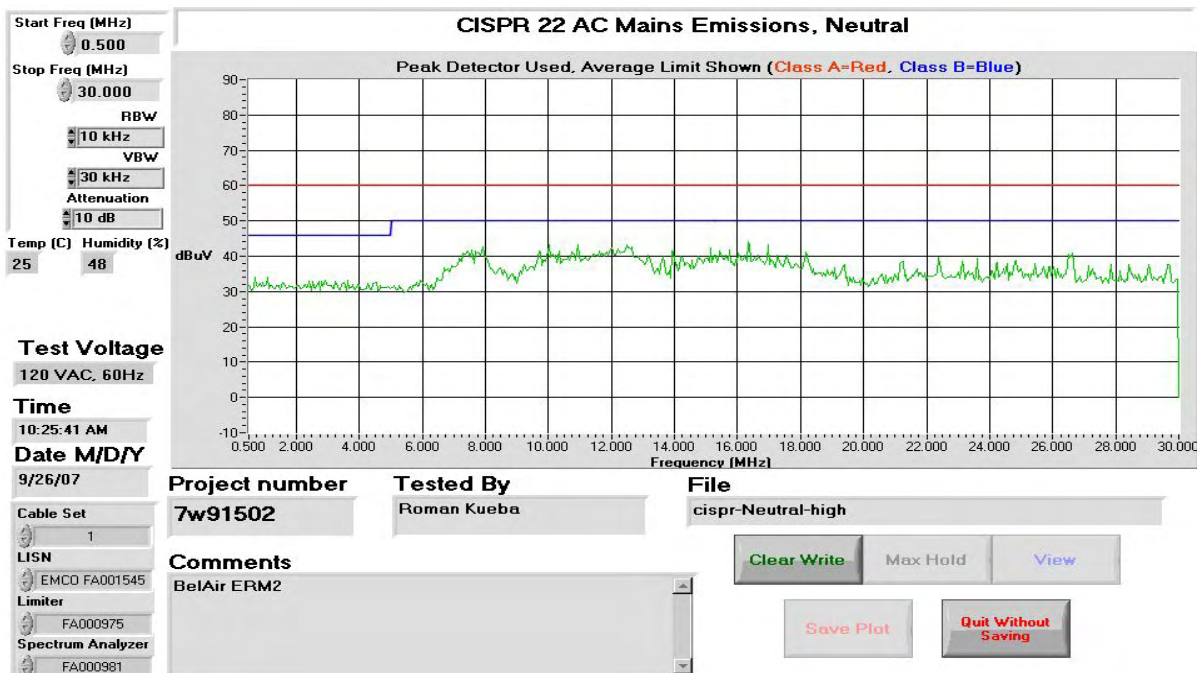
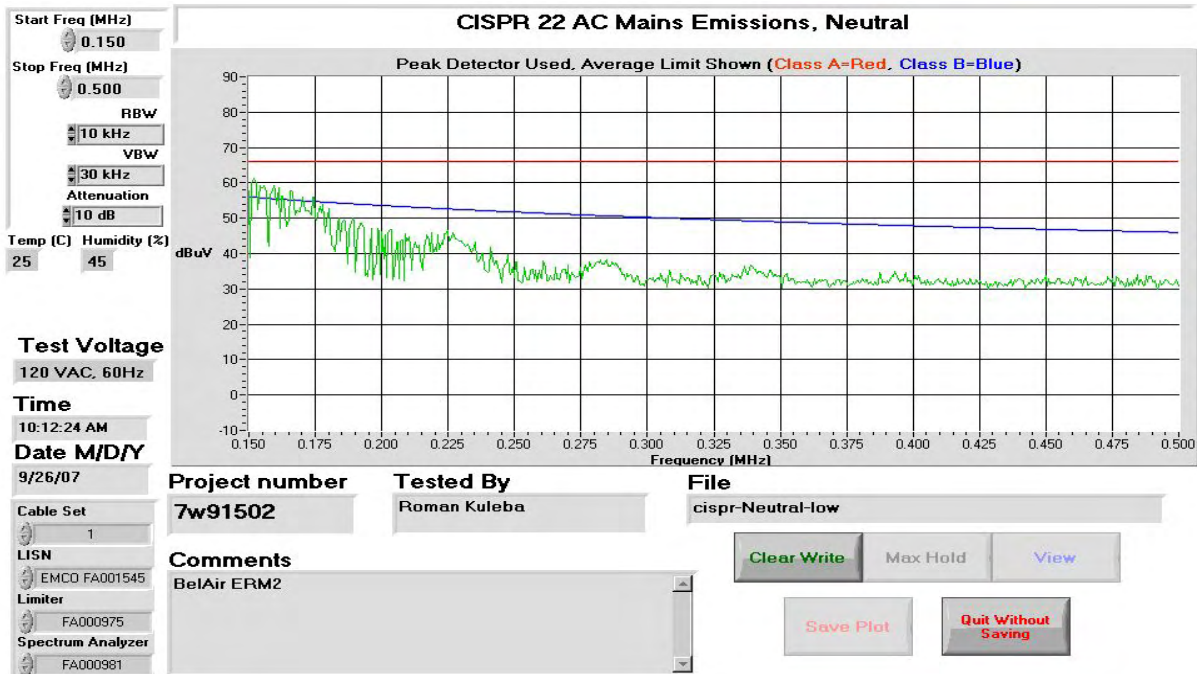
AC Power-line Conducted Emissions, continued

Line: LIVE



AC Power-line Conducted Emissions, continued

Line: NEUTRAL



AC Power-line Conducted Emissions, continued

Conductor		Frequency (MHz)	Detector	Emission Level (dBuV)	LISN Loss (dB)	Cable Loss (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
1	Phase	0.1500	Quasi Peak	47.2	0.1	0.1	47.4	66.0	18.6
			Average	17.8	0.1	0.1	18.0	56.0	38.0
2	Phase	0.1706	Quasi Peak	49.7	0.1	0.1	49.9	64.9	15.0
			Average	36.9	0.1	0.1	37.1	54.9	17.8
3	Phase	0.1800	Quasi Peak	38.3	0.1	0.1	38.5	64.5	26.0
			Average	13.5	0.1	0.1	13.7	54.5	40.8
4	Phase	0.2274	Quasi Peak	41.1	0.1	0.1	41.3	62.5	21.2
			Average	29.7	0.1	0.1	29.9	52.5	22.6
5	Phase	15.2000	Quasi Peak	23.1	0.6	0.4	24.1	60.0	35.9
			Average	17.9	0.6	0.4	18.9	50.0	31.1
6	Phase	16.3347	Quasi Peak	41.9	0.6	0.4	42.9	60.0	17.1
			Average	38.6	0.6	0.4	39.6	50.0	10.4
7	Neutral	0.1500	Quasi Peak	47.8	0.1	0.1	48.0	66.0	18.0
			Average	18.2	0.1	0.1	18.4	56.0	37.6
8	Neutral	0.1709	Quasi Peak	49.6	0.1	0.1	49.8	64.9	15.1
			Average	38.7	0.1	0.1	38.9	54.9	16.0
9	Neutral	0.1800	Quasi Peak	39.0	0.1	0.1	39.2	64.5	25.3
			Average	14.7	0.1	0.1	14.9	54.5	39.6
10	Neutral	0.2274	Quasi Peak	41.3	0.1	0.1	41.5	62.5	21.0
			Average	31.4	0.1	0.1	31.6	52.5	20.9
11	Neutral	10.8999	Quasi Peak	36.2	0.4	0.3	36.9	60.0	23.1
			Average	35.5	0.4	0.3	36.2	50.0	13.8
12	Neutral	16.3348	Quasi Peak	41.6	0.6	0.4	42.6	60.0	17.4
			Average	38.2	0.6	0.4	39.2	50.0	10.8

Clause 15.209(a) Radiated Emissions within Restricted Bands**§ 15.209 (a) Radiated emission limits; general requirements**

Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F (kHz)	300
0.490-1.705	24000/F (kHz)	30
1.705-30.0	30	30
30-88	100 ⁽¹⁾	3
88-216	150 ⁽²⁾	3
216-960	200 ⁽³⁾	3
Above 960	500	3

Test Conditions:

Sample Number:	1	Temperature (°C):	25°C
Date:	Aug. 16 – Oct. 17, 2007	Humidity (%):	48 %
Modification State:	0	Tester:	Roman Kuleba
		Laboratory:	Ottawa

Test Results: Pass.
See attached table and plots for results.

Additional Observations:

These results apply to emissions found in the restricted bands defined in FCC Part 15 Subpart C, 15.205.

The Spectrum was searched from 30MHz to 40GHz

All radiated measurements were performed at a distance of 3 meters.

Test receiver in 'Peak' detector mode with 120 kHz RBW was used below 1 GHz.

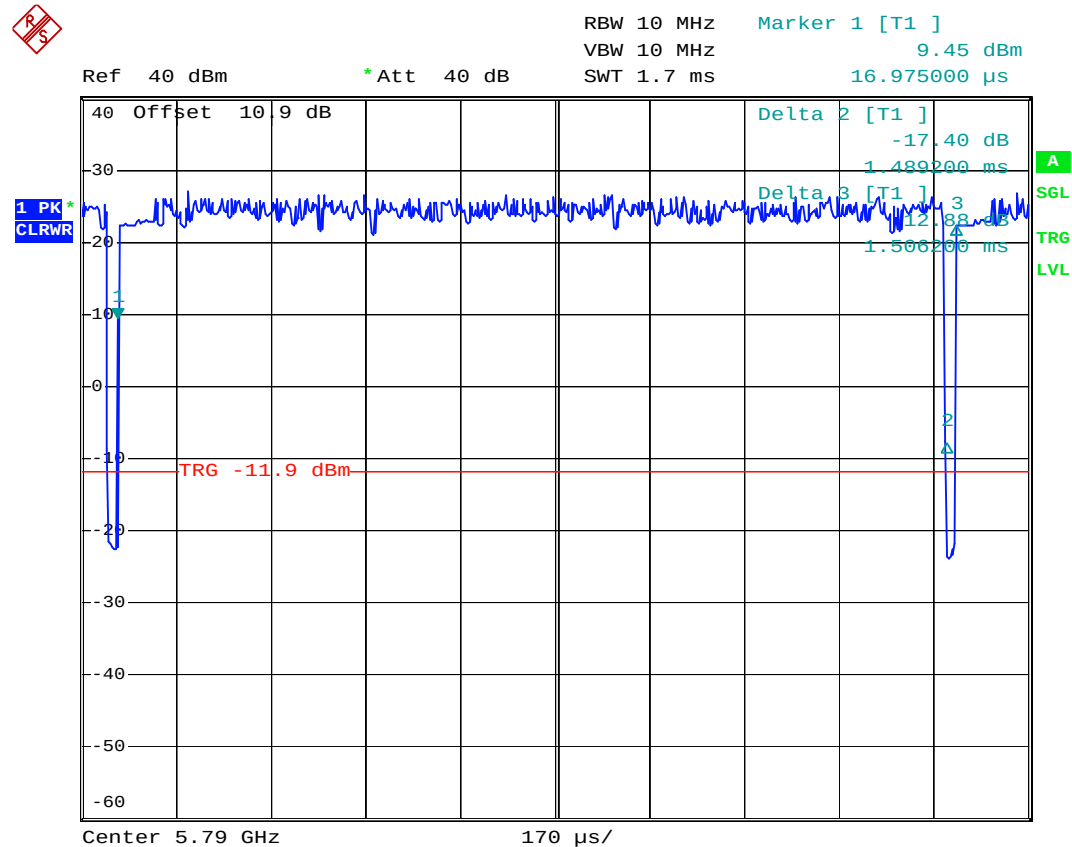
Spectrum Analyzer in 'Peak' detector mode with 1 MHz RBW / 30 Hz VBW (video averaging / video filtering mode) was used above 1GHz.

Plots for radiated emissions in restricted bands 4.5 – 5.15 GHz and 4.35 – 5.46 GHz show emission E-field expressed in dBμV/m that was measured at 3m test distance. To obtain directly measured E-field values the instrument readings were corrected (to account for test antenna factor, cable loss and test amplifier gain) using transducer factor function (TDF) with preprogrammed calibrated correction factors.

Radiated Emissions within Restricted Bands, continued

Duty Cycle:

Nominal Channel Bandwidth: 5 MHz



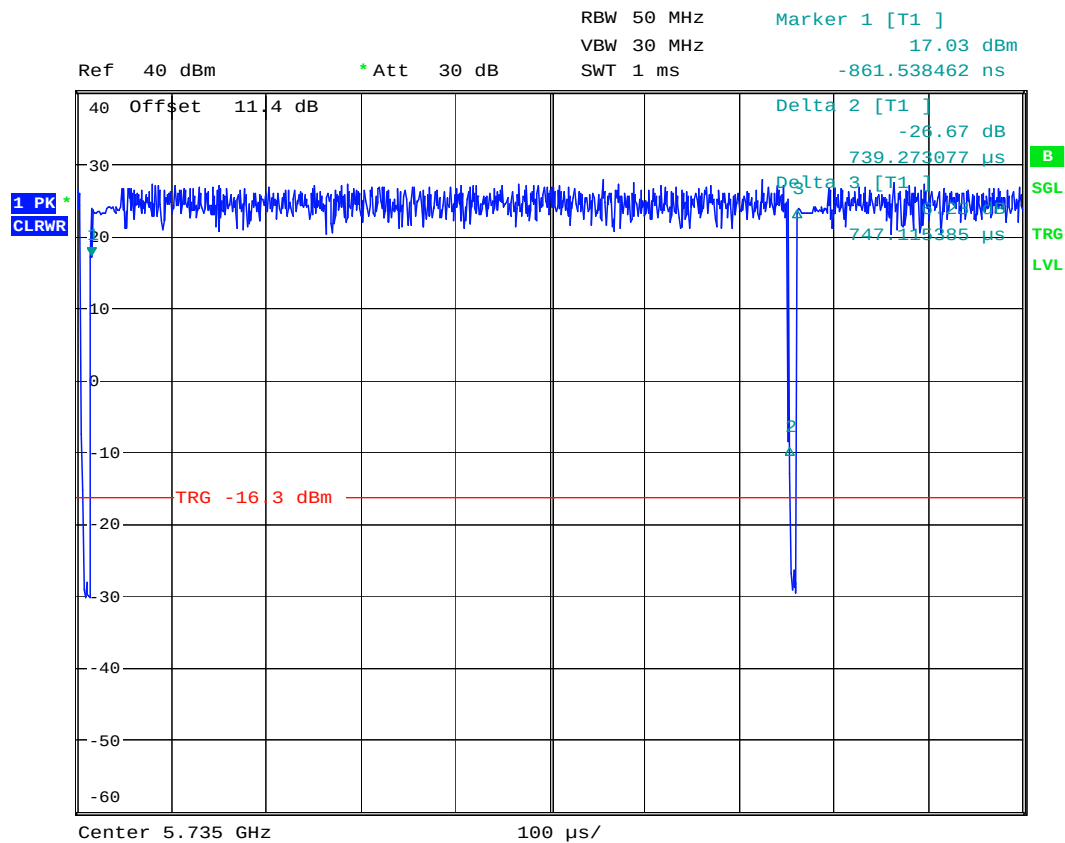
Date: 23.OCT.2007 13:14:03

Duty Cycle Correction = $20 \cdot \log_{10} (\text{Delta2} / \text{Delta3}) = -0.10 \text{ dB}$

Radiated Emissions within Restricted Bands, continued

Duty Cycle:

Nominal Channel Bandwidth: 10 MHz



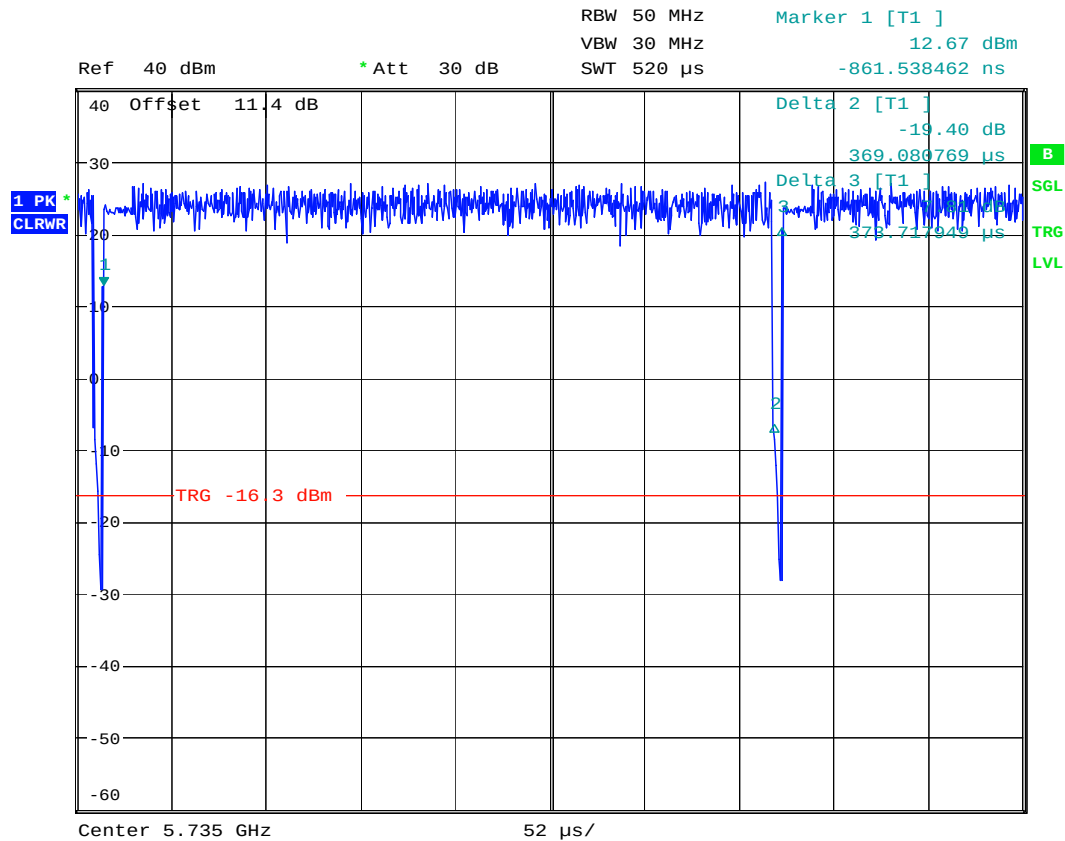
Date: 20.AUG.2007 11:57:00

Duty Cycle Correction = $20 \cdot \log_{10} (\text{Delta2} / \text{Delta3}) = -0.09 \text{ dB}$

Radiated Emissions within Restricted Bands, continued

Duty Cycle:

Nominal Channel Bandwidth: 20 MHz



Date: 20.AUG.2007 11:53:20

Duty Cycle Correction = $20 \cdot \log_{10} (\text{Delta2} / \text{Delta3}) = -0.11 \text{ dB}$

Radiated Emissions within Restricted Bands, continued

Frequency (MHz)	Antenna	Polarity	RCVD Signal (dBµV)	Ant. Factor (dB)	Amp. Gain (dB)	Cable Loss (dB)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
250.0147	BC1	V	23.0	16.8	—	1.7	41.5	46.0	4.5	Peak
325.0000	LP4	V	16.9	14.6	—	1.8	33.3	46.0	12.7	Peak
1039.2000	Horn2	V	43.7	25.0	31.1	3.4	41.1	74.0	32.9	Peak
1121.8000	Horn2	V	49.1	25.1	34.3	3.6	43.4	74.0	30.6	Peak
1154.7000	Horn2	V	42.1	25.1	35.5	3.5	35.2	74.0	38.8	Peak
1188.3000	Horn2	V	43.4	25.1	36.6	3.7	35.6	74.0	38.4	Peak
1199.5000	Horn2	V	51.2	25.1	37.0	3.7	43.1	74.0	31.0	Peak
1385.7000	Horn2	V	48.7	25.3	41.8	3.9	36.2	74.0	37.8	Peak
1452.2000	Horn2	V	54.6	25.4	43.1	4.1	41.0	74.0	33.0	Peak
1583.8000	Horn2	V	54.5	27.2	45.1	4.3	40.9	74.0	33.1	Peak
250.0147	BC1	H	25.0	16.4	—	1.7	43.1	46.0	2.9	Peak
325.0000	LP4	H	14.0	14.9	—	1.8	30.7	46.0	15.3	Peak
1039.2000	Horn2	H	42.7	25.0	31.1	3.4	40.1	74.0	33.9	Peak
1121.8000	Horn2	H	44.3	25.1	34.3	3.6	38.6	74.0	35.4	Peak
1188.3000	Horn2	H	45.4	25.2	36.6	3.7	37.6	74.0	36.4	Peak
1221.2000	Horn2	H	44.0	25.2	37.6	3.6	35.1	74.0	38.9	Peak
1352.1000	Horn2	H	47.9	25.3	41.0	4.0	36.1	74.0	37.9	Peak
1385.7000	Horn2	H	47.7	25.3	41.8	3.9	35.2	74.0	38.8	Peak
1452.2000	Horn2	H	49.0	25.4	43.1	4.1	35.4	74.0	38.6	Peak
1550.9000	Horn2	H	49.0	27.1	44.6	4.2	35.7	74.0	38.3	Peak
1583.8000	Horn2	H	49.3	27.1	45.1	4.3	35.6	74.0	38.4	Peak

NOTES:

- (1) Antenna Legend: BC = Biconical, BL = Bilog, LP = Log-Periodic, Horn = Horn, ED = EMCO Dipole
 (2) Tested with the highest gain antenna (30dBi).

Radiated Emissions within Restricted Bands, continued

Frequency (MHz)	Antenna	Polarity	RCVD Signal (dBµV)	Ant. Factor (dB)	Amp. Gain (dB)	Cable Loss (dB)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1039.2000	Horn2	V	41.8	25.0	31.1	3.4	39.2	54.0	14.8	Average
1121.8000	Horn2	V	33.6	25.1	34.3	3.6	27.9	54.0	26.1	Average
1154.7000	Horn2	V	35.9	25.1	35.5	3.5	29.0	54.0	24.9	Average
1188.3000	Horn2	V	34.7	25.1	36.6	3.7	26.9	54.0	27.1	Average
1319.0000	Horn2	V	41.6	25.2	40.3	3.9	30.5	54.0	23.4	Average
1352.1000	Horn2	V	36.3	25.3	41.0	4.0	24.5	54.0	29.4	Average
1385.7000	Horn2	V	42.1	25.3	41.8	3.9	29.6	54.0	24.4	Average
1418.6000	Horn2	V	40.7	25.3	42.4	4.0	27.6	54.0	26.4	Average
1452.2000	Horn2	V	39.4	25.4	43.1	4.1	25.8	54.0	28.1	Average
1518.0000	Horn2	V	38.5	27.1	44.2	4.2	25.6	54.0	28.3	Average
1550.9000	Horn2	V	41.9	27.2	44.6	4.2	28.7	54.0	25.3	Average
1583.8000	Horn2	V	37.0	27.2	45.1	4.3	23.4	54.0	30.6	Average
1039.2000	Horn2	H	40.0	25.0	31.1	3.4	37.4	54.0	16.6	Average
1121.8000	Horn2	H	40.3	25.1	34.3	3.6	34.7	54.0	19.3	Average
1188.3000	Horn2	H	38.4	25.2	36.6	3.7	30.6	54.0	23.4	Average
1221.2000	Horn2	H	37.3	25.2	37.6	3.6	28.5	54.0	25.5	Average
1352.1000	Horn2	H	41.7	25.3	41.0	4.0	29.9	54.0	24.1	Average
1385.7000	Horn2	H	42.6	25.3	41.8	3.9	30.0	54.0	23.9	Average
1452.2000	Horn2	H	43.1	25.4	43.1	4.1	29.5	54.0	24.5	Average
1518.0000	Horn2	H	42.4	27.1	44.2	4.2	29.5	54.0	24.5	Average
1550.9000	Horn2	H	43.6	27.1	44.6	4.2	30.3	54.0	23.7	Average
1583.8000	Horn2	H	44.3	27.1	45.1	4.3	30.6	54.0	23.3	Average

NOTES:

- (1) Antenna Legend: BC = Biconical, BL = Bilog, LP = Log-Periodic, Horn = Horn, ED = EMCO Dipole
 (2) Tested with the highest gain antenna (30dBi).

Radiated Emissions within Restricted Bands, continued

Harmonics:

Frequency (MHz)	Antenna	Polarity	RCVD Signal (dBµV)	Ant. Factor (dB)	Amp. Gain (dB)	Cable Loss (dB)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading
ChS: 5MHz										
11460.0000	Horn2	V	56.6	38.6	40.7	8.4	62.9	74.0	11.1	Peak
11460.0000	Horn2	H	47.5	38.6	40.7	8.4	53.8	74.0	20.2	Peak
11580.0000	Horn2	V	54.7	39.2	40.7	8.4	61.6	74.0	12.4	Peak
11580.0000	Horn2	H	49.3	39.1	40.7	8.4	56.1	74.0	17.9	Peak
11690.0000	Horn2	V	52.0	39.2	40.7	8.4	58.9	74.0	15.1	Peak
11690.0000	Horn2	H	44.2	39.1	40.7	8.4	51.0	74.0	23.0	Peak
ChS: 10MHz										
11470.0000	Horn2	V	56.8	38.6	40.7	8.4	63.1	74.0	10.9	Peak
11470.0000	Horn2	H	48.5	38.6	40.7	8.4	54.8	74.0	19.2	Peak
11580.0000	Horn2	V	56.7	39.2	40.7	8.4	63.6	74.0	10.4	Peak
11580.0000	Horn2	H	51.5	39.1	40.7	8.4	58.3	74.0	15.7	Peak
11680.0000	Horn2	V	54.7	39.2	40.7	8.4	61.6	74.0	12.4	Peak
11680.0000	Horn2	H	45.8	39.1	40.7	8.4	52.6	74.0	21.4	Peak
ChS: 20MHz										
11480.0000	Horn2	V	57.3	38.6	40.7	8.4	63.6	74.0	10.4	Peak
11480.0000	Horn2	H	46.7	38.6	40.7	8.4	53.0	74.0	21.0	Peak
11580.0000	Horn2	V	53.1	39.2	40.7	8.4	60.0	74.0	14.0	Peak
11580.0000	Horn2	H	47.7	39.1	40.7	8.4	54.5	74.0	19.6	Peak
11670.0000	Horn2	V	50.1	39.2	40.7	8.4	57.0	74.0	17.0	Peak
11670.0000	Horn2	H	43.0	39.1	40.7	8.4	49.8	74.0	24.2	Peak

NOTES:

- (1) Antenna Legend: BC = Biconical, BL = Bilog, LP = Log-Periodic, Horn = Horn, ED = EMCO Dipole
 (2) Tested with the highest gain antenna (30dBi).

Radiated Emissions within Restricted Bands, continued

Harmonics:

Frequency (MHz)	Antenna	Polarity	RCVD Signal (dBμV)	Ant. Factor (dB)	Amp. Gain (dB)	Cable Loss (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Reading
ChS: 5MHz										
11460.0000	Horn2	V	43.3	38.6	40.7	8.4	49.6	54.0	4.4	Average
11460.0000	Horn2	H	34.7	38.6	40.7	8.4	41.0	54.0	13.0	Average
11580.0000	Horn2	V	40.5	39.2	40.7	8.4	47.4	54.0	6.6	Average
11580.0000	Horn2	H	36.7	39.1	40.7	8.4	43.5	54.0	10.5	Average
11690.0000	Horn2	V	38.5	39.2	40.7	8.4	45.4	54.0	8.6	Average
11690.0000	Horn2	H	31.8	39.1	40.7	8.4	38.6	54.0	15.4	Average
ChS: 10MHz										
11470.0000	Horn2	V	42.8	38.6	40.7	8.4	49.1	54.0	4.9	Average
11470.0000	Horn2	H	36.6	38.6	40.7	8.4	42.9	54.0	11.1	Average
11580.0000	Horn2	V	42.6	39.2	40.7	8.4	49.5	54.0	4.5	Average
11580.0000	Horn2	H	39.1	39.1	40.7	8.4	45.9	54.0	8.1	Average
11680.0000	Horn2	V	40.3	39.2	40.7	8.4	47.2	54.0	6.8	Average
11680.0000	Horn2	H	32.6	39.1	40.7	8.4	39.4	54.0	14.6	Average
ChS: 20MHz										
11480.0000	Horn2	V	44.6	38.6	40.7	8.4	50.8	54.0	3.1	Average
11480.0000	Horn2	H	33.5	38.6	40.7	8.4	39.7	54.0	14.2	Average
11580.0000	Horn2	V	39.1	39.2	40.7	8.4	46.0	54.0	8.0	Average
11580.0000	Horn2	H	34.9	39.1	40.7	8.4	41.7	54.0	12.3	Average
11670.0000	Horn2	V	36.9	39.2	40.7	8.4	43.8	54.0	10.2	Average
11670.0000	Horn2	H	31.7	39.1	40.7	8.4	38.5	54.0	15.5	Average

NOTES:

(3) Antenna Legend: BC = Biconical, BL = Bilog, LP = Log-Periodic, Horn = Horn, ED = EMCO Dipole

(4) Tested with the highest gain antenna (30dBi).

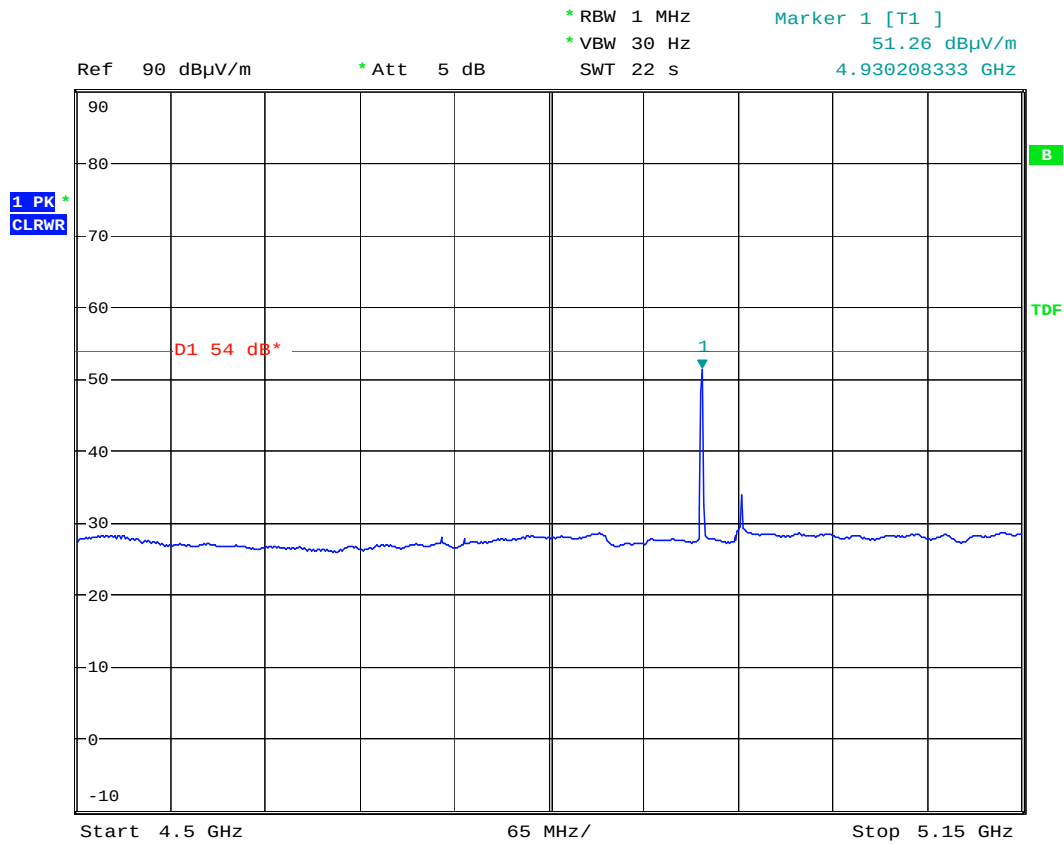
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)

TX-channel: 5740MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 16:31:50

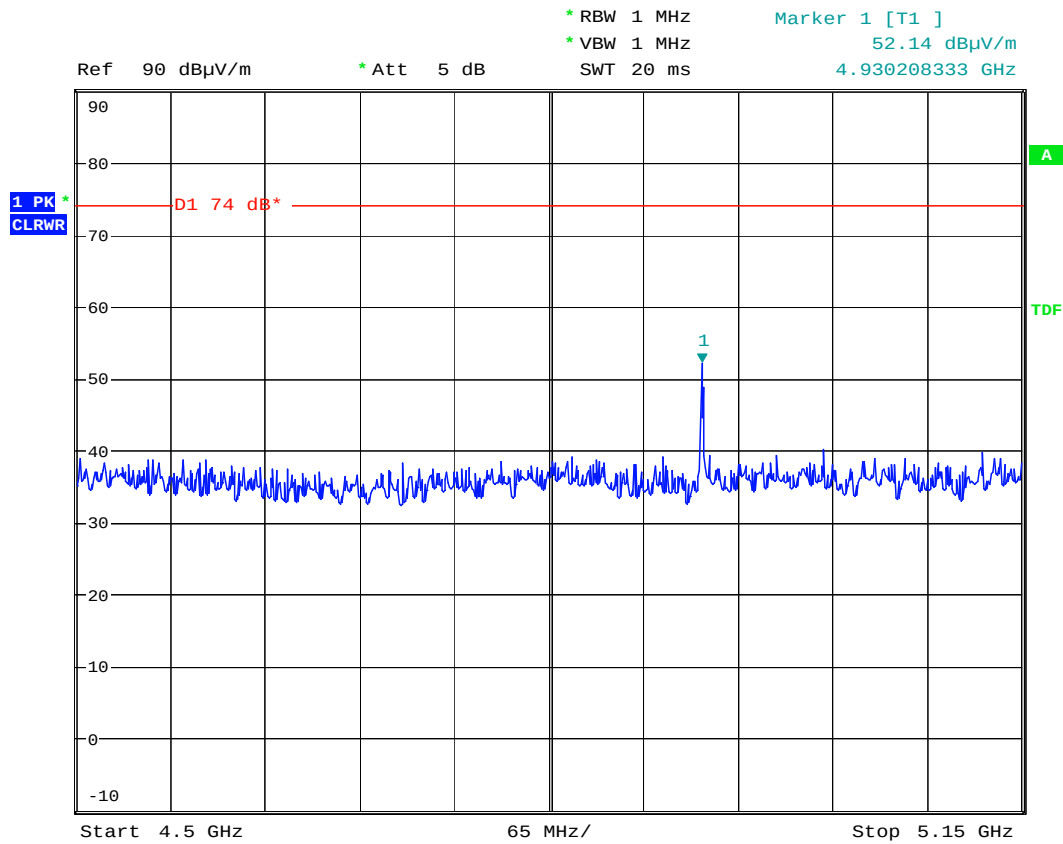
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)

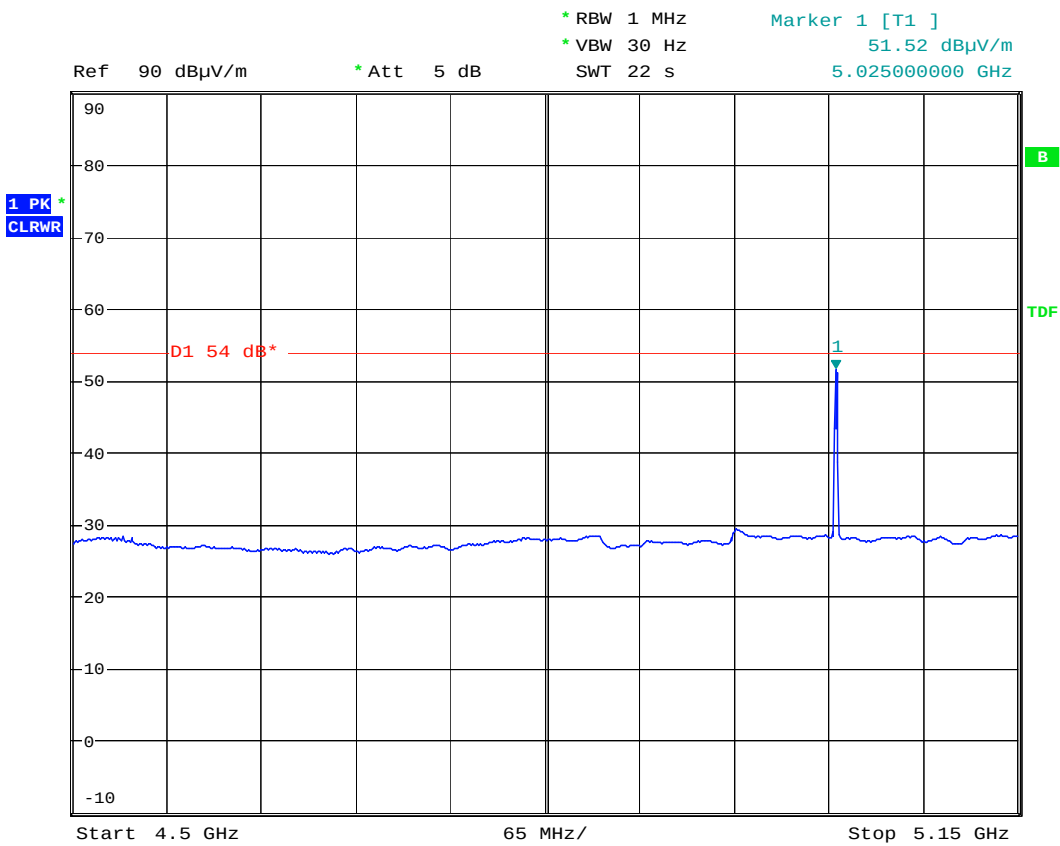
TX-channel: 5740MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 16:32:22

Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)
TX-channel: 5835MHz
Average Limit: 54 dBμV/m



Date: 24.SEP.2007 16:46:55

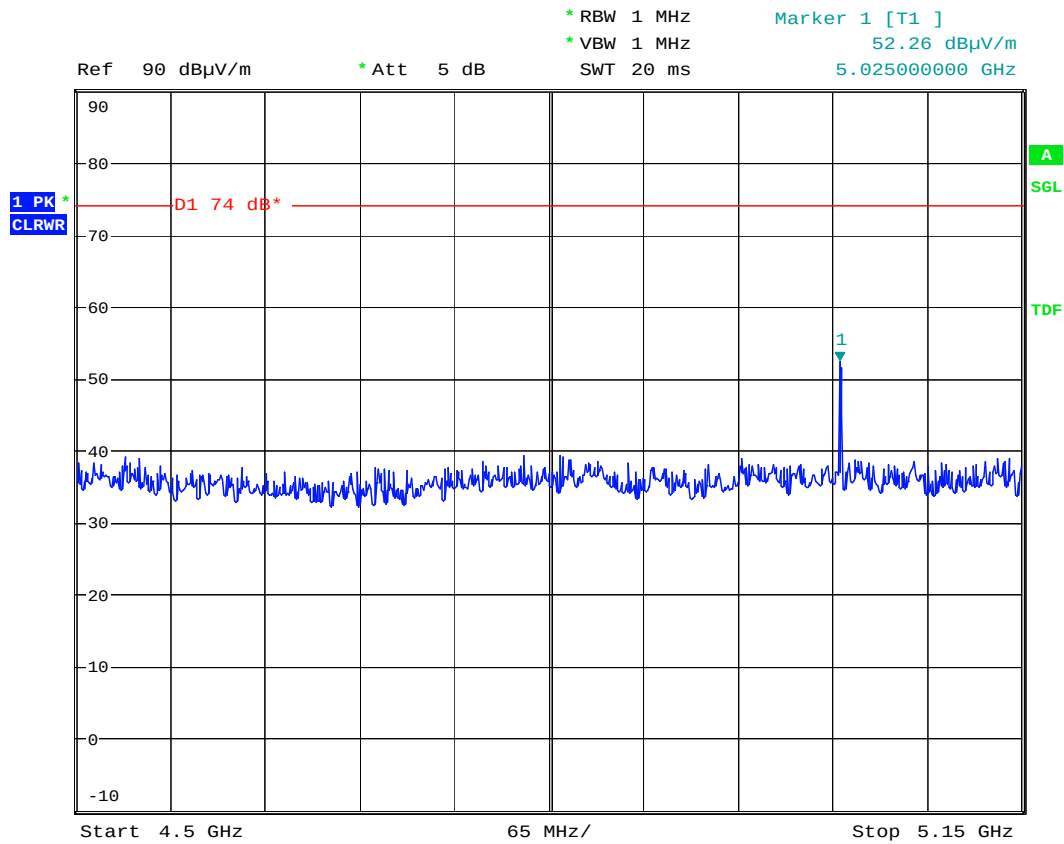
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)

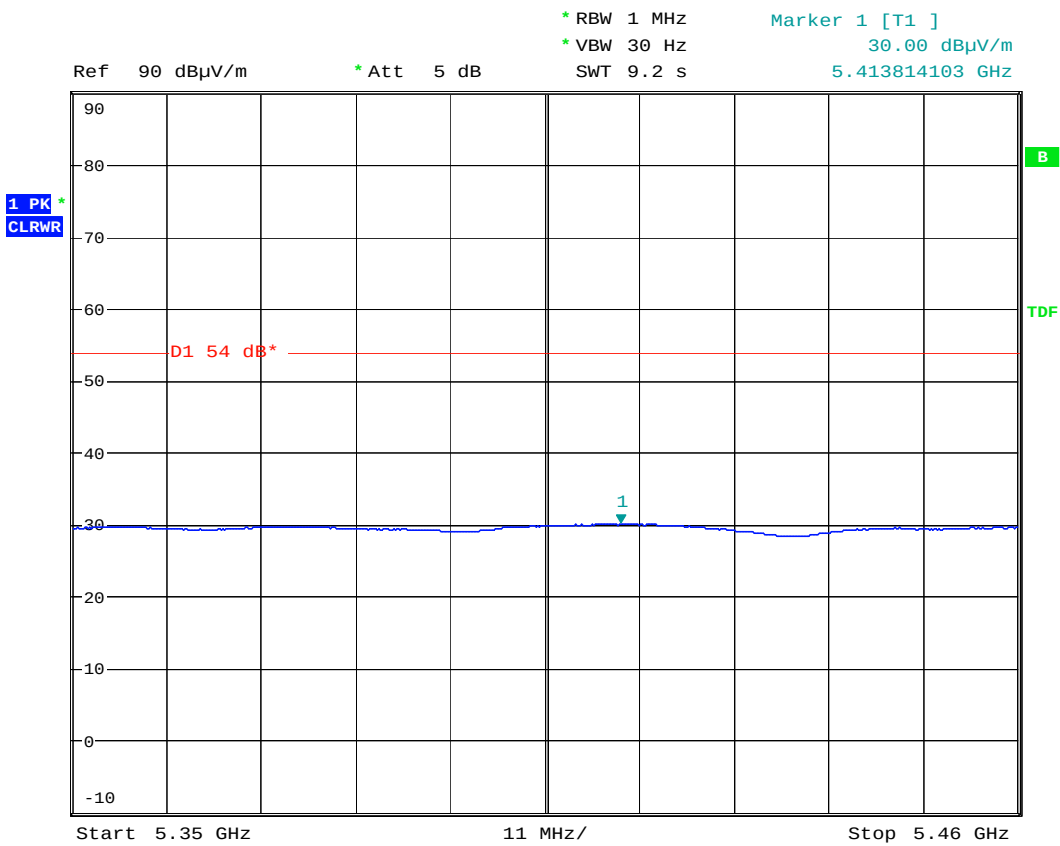
TX-channel: 5835MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 16:48:39

Radiated Emissions within Restricted Bands, continued

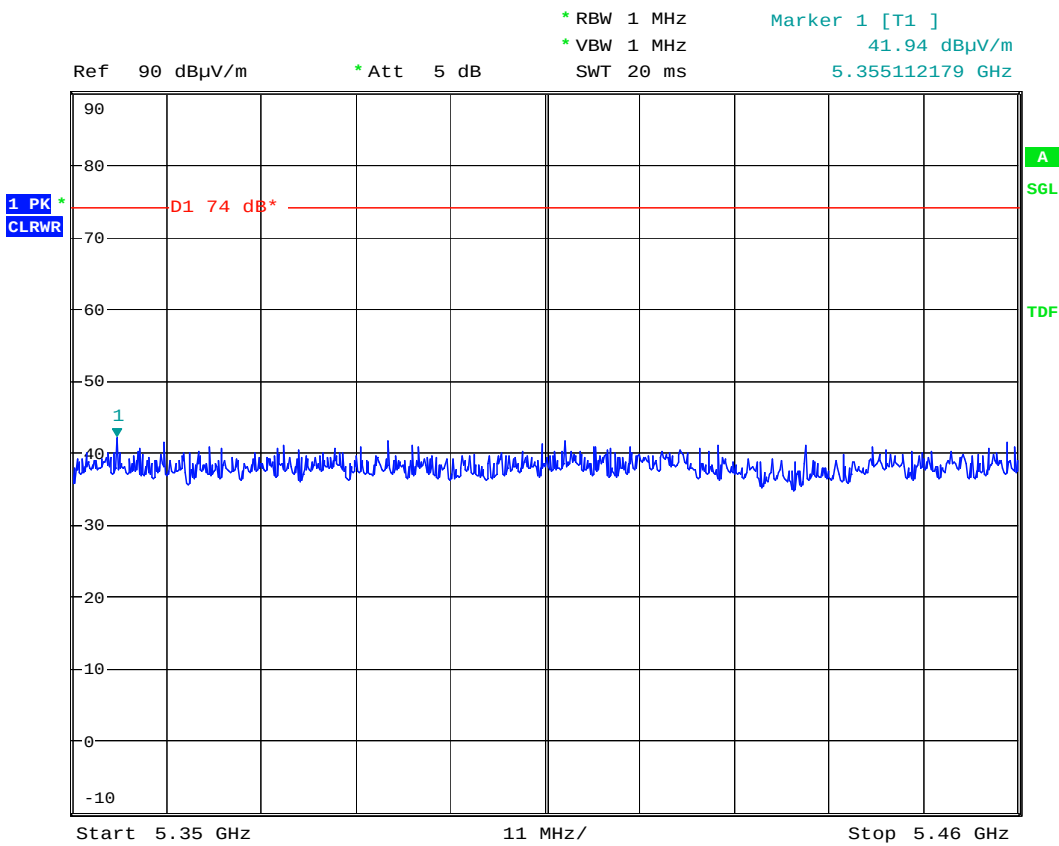
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)
TX-channel: 5740MHz
Average Limit: 54 dBµV/m



Date: 24.SEP.2007 16:33:59

Radiated Emissions within Restricted Bands, continued

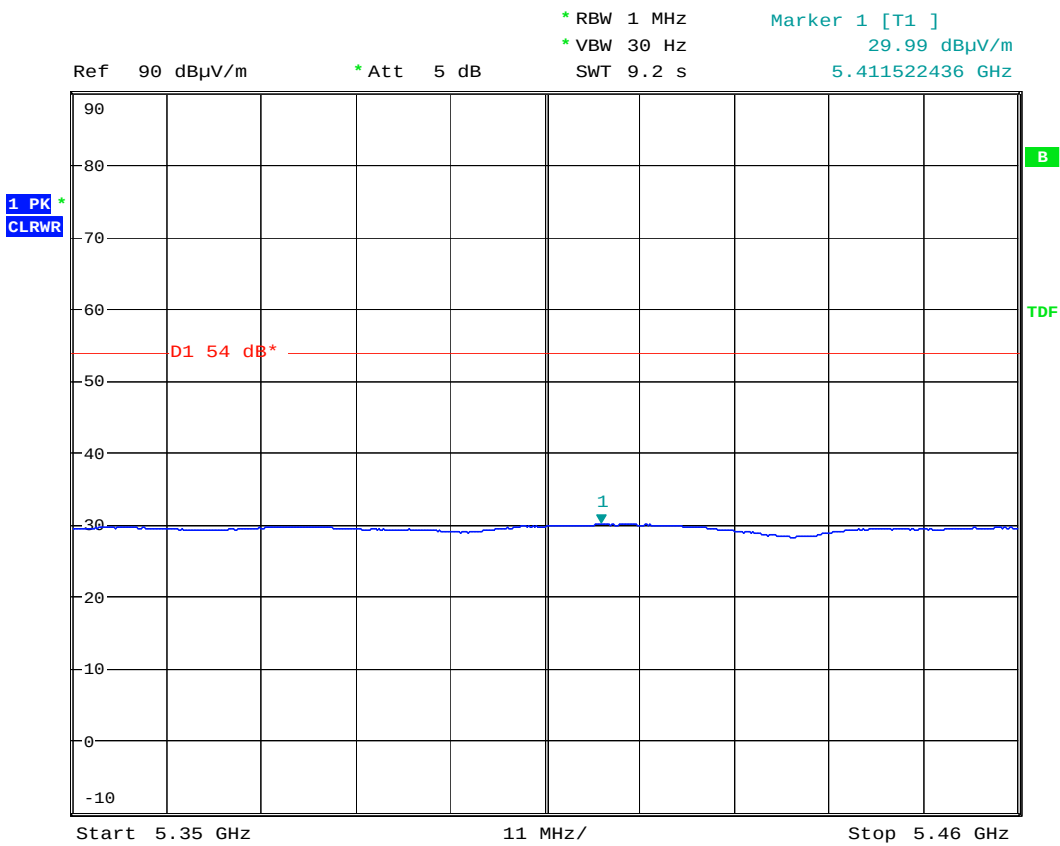
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)
TX-channel: 5740MHz
Peak Limit: 74 dBµV/m



Date: 24.SEP.2007 16:36:01

Radiated Emissions within Restricted Bands, continued

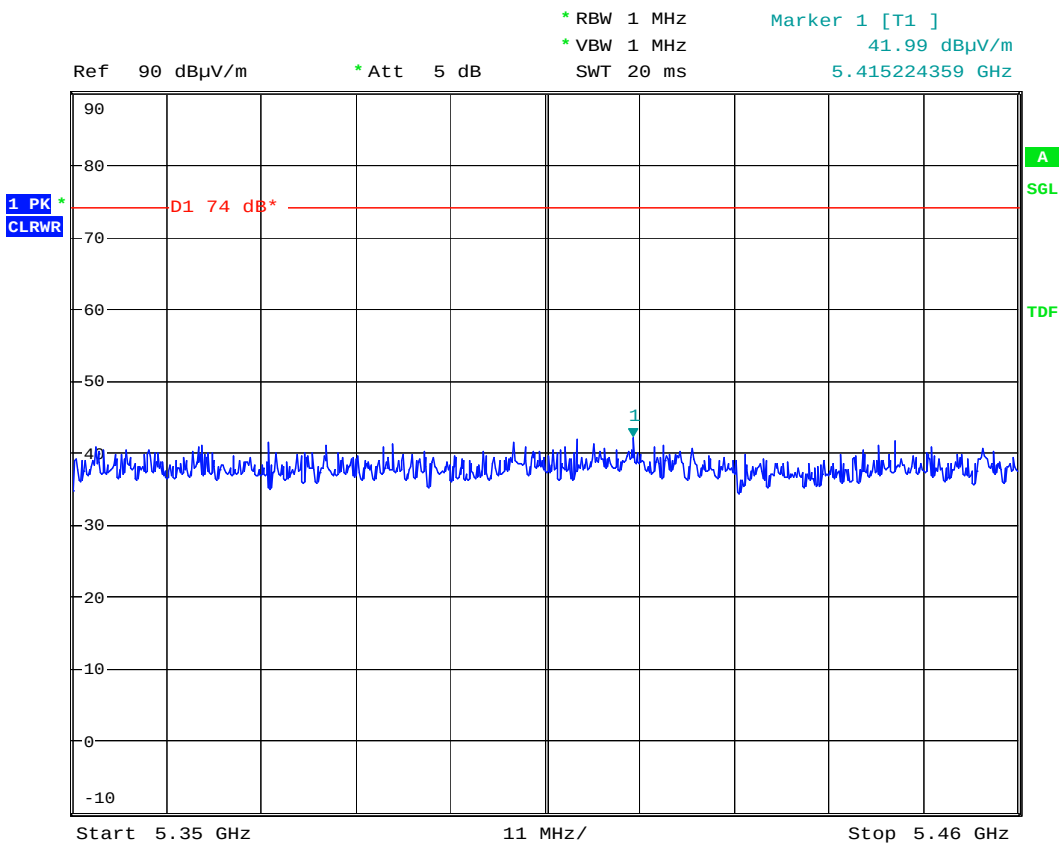
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)
TX-channel: 5835MHz
Average Limit: 54 dBμV/m



Date: 24.SEP.2007 16:43:52

Radiated Emissions within Restricted Bands, continued

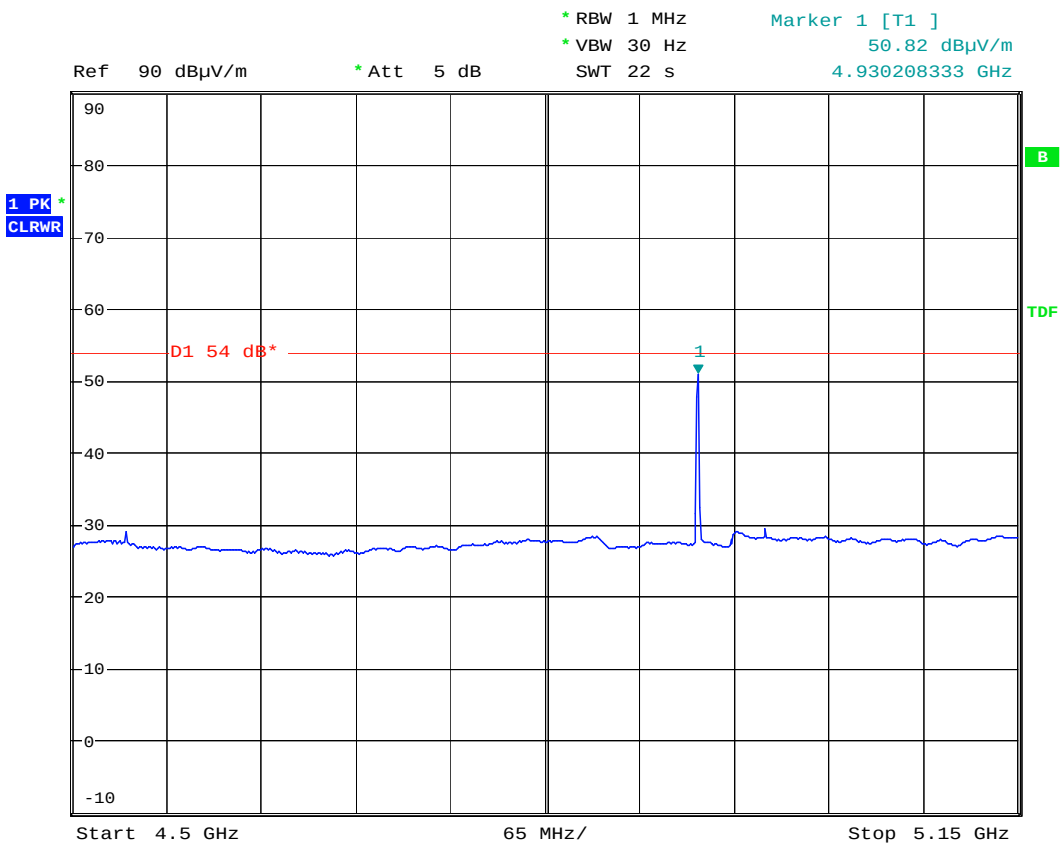
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)
TX-channel: 5835MHz
Peak Limit: 74 dBμV/m



Date: 24.SEP.2007 16:40:49

Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 10dBi (MAXRAD, MMO58010NF)
TX-channel: 5740MHz
Average Limit: 54 dBμV/m



Date: 24.SEP.2007 17:43:57

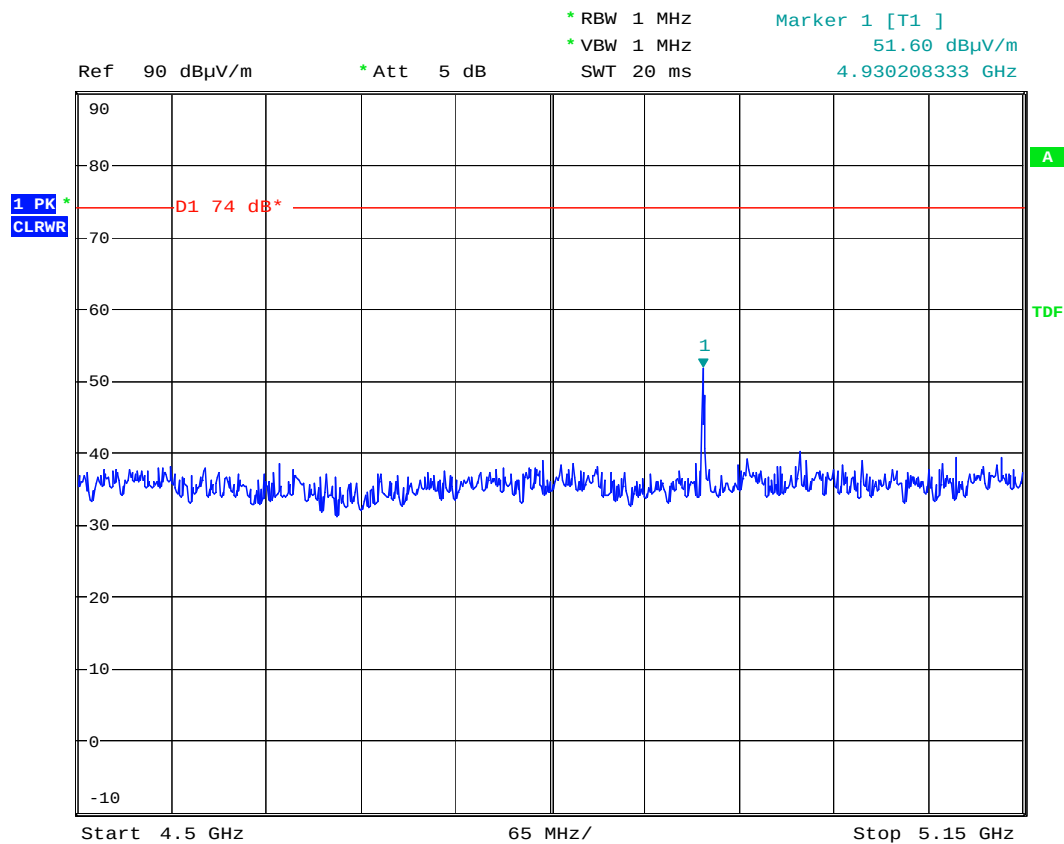
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 10dBi (MAXRAD, MMO58010NF)

TX-channel: 5740MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 17:44:18

Radiated Emissions within Restricted Bands, continued

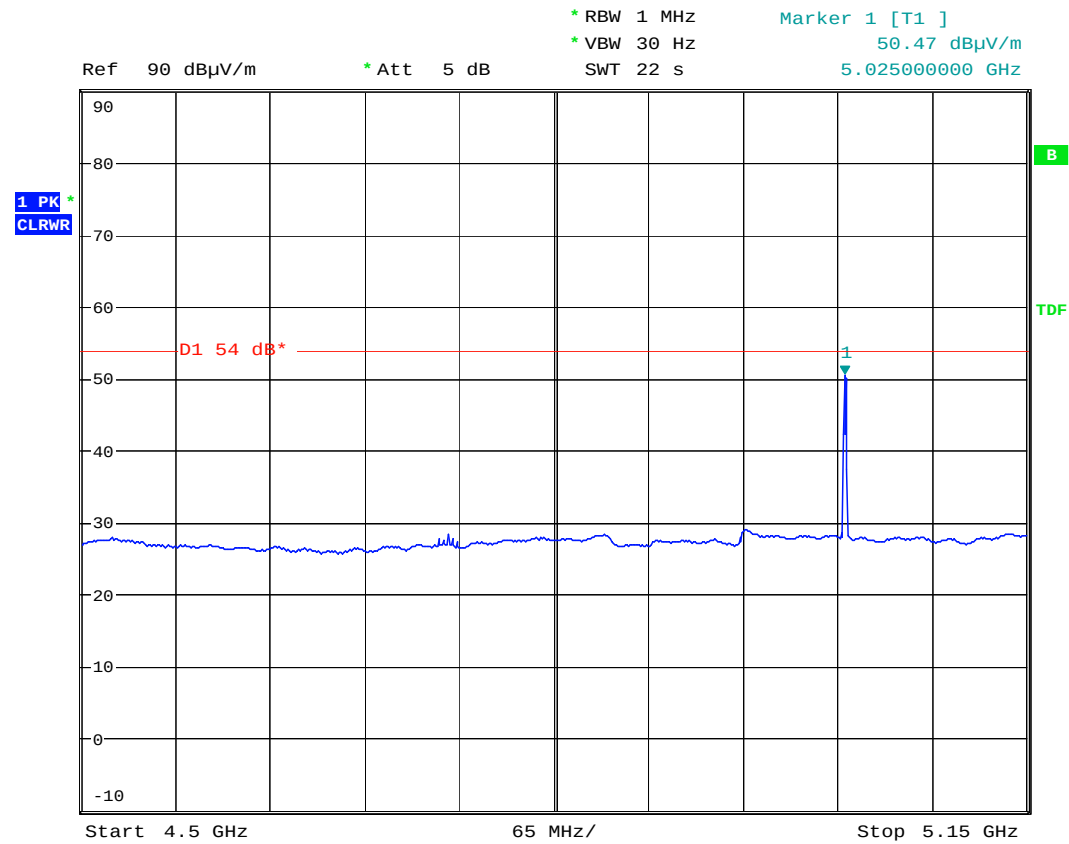
Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 10dBi (MAXRAD, MMO58010NF)

TX-channel: 5835MHz

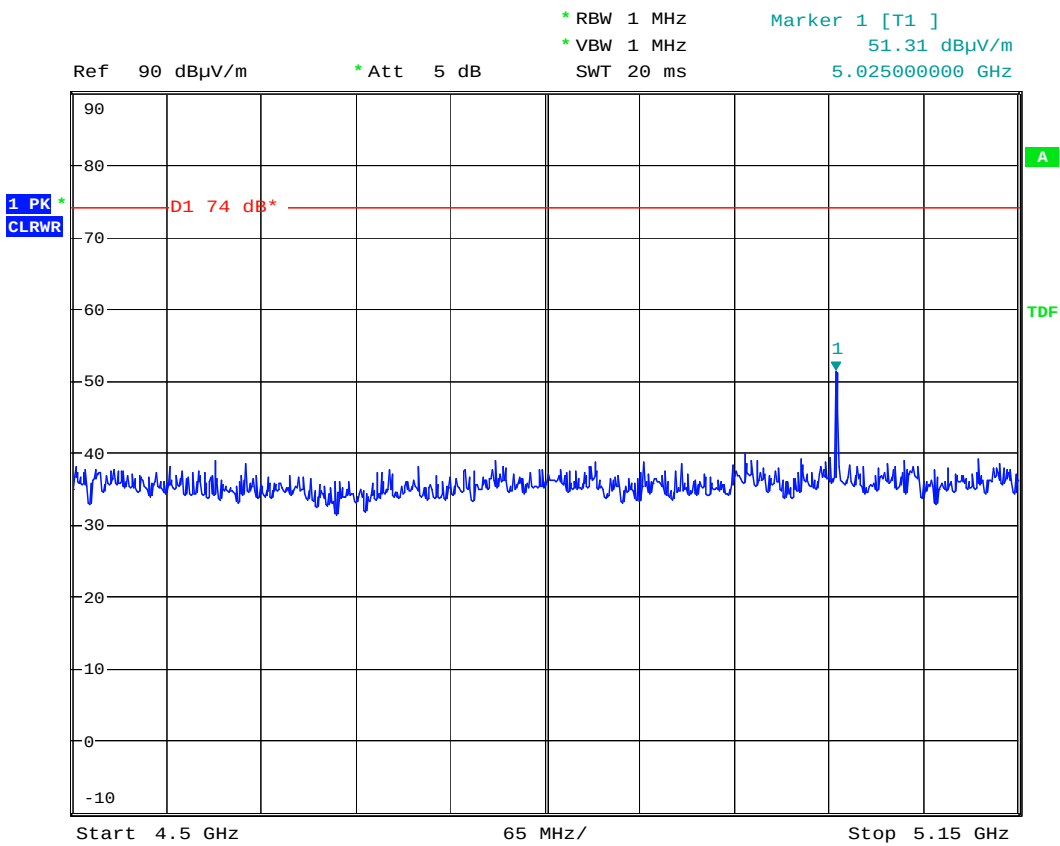
Average Limit: 54 dBμV/m



Date: 24.SEP.2007 17:58:30

Radiated Emissions within Restricted Bands, continued

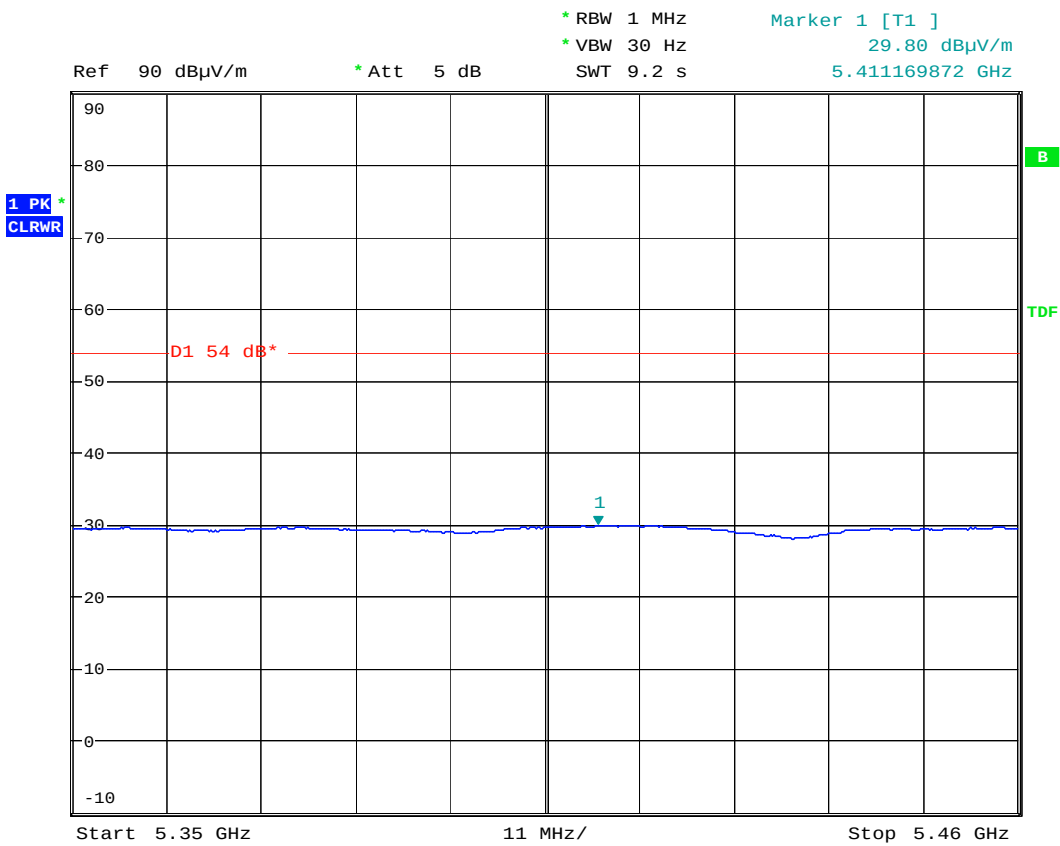
Restricted Band: 4.5 – 5.15 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 10dBi (MAXRAD, MMO58010NF)
TX-channel: 5835MHz
Peak Limit: 74 dBμV/m



Date: 24.SEP.2007 17:59:12

Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 10dBi (MAXRAD, MMO58010NF)
TX-channel: 5740MHz
Average Limit: 54 dBμV/m



Date: 24.SEP.2007 17:48:15

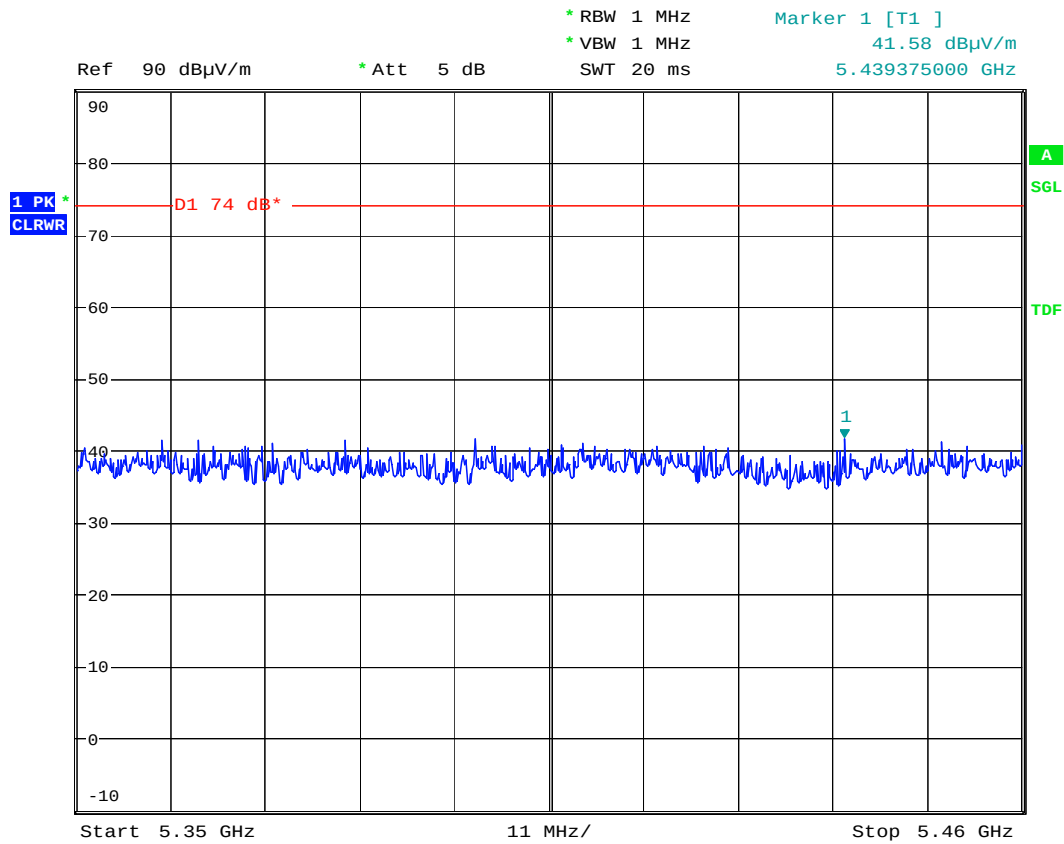
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 10dBi (MAXRAD, MMO58010NF)

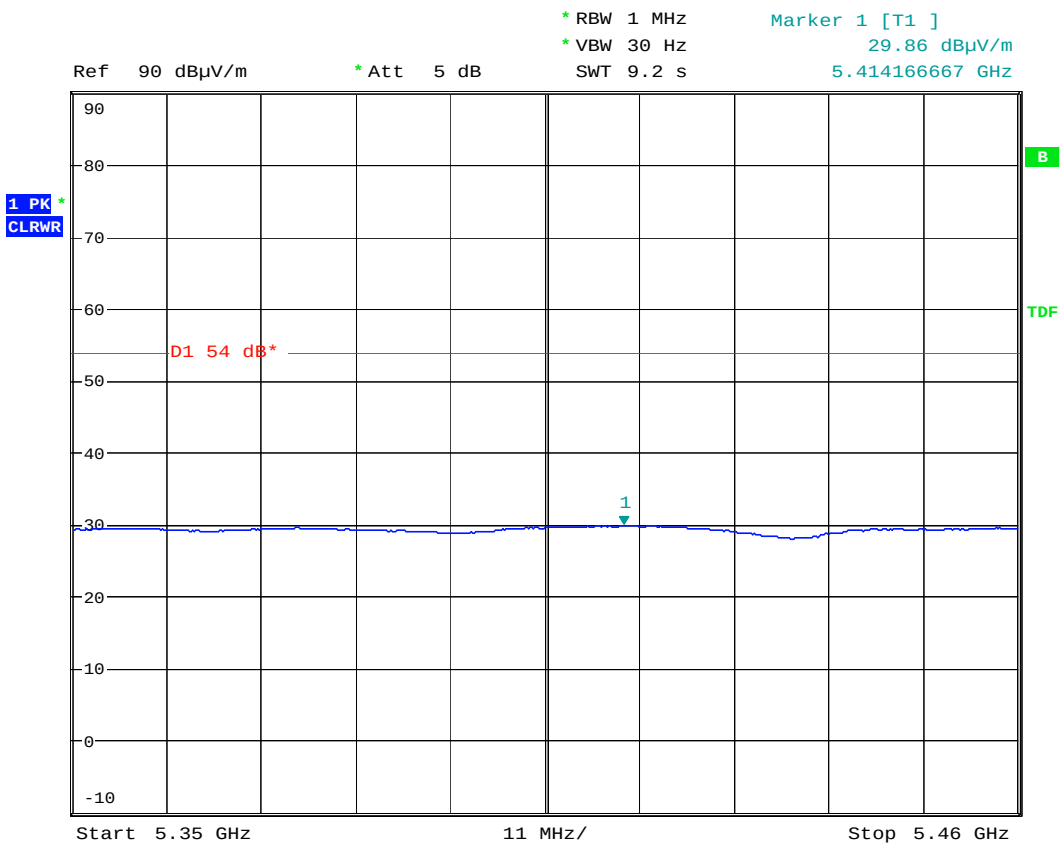
TX-channel: 5740MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 17:49:27

Radiated Emissions within Restricted Bands, continued

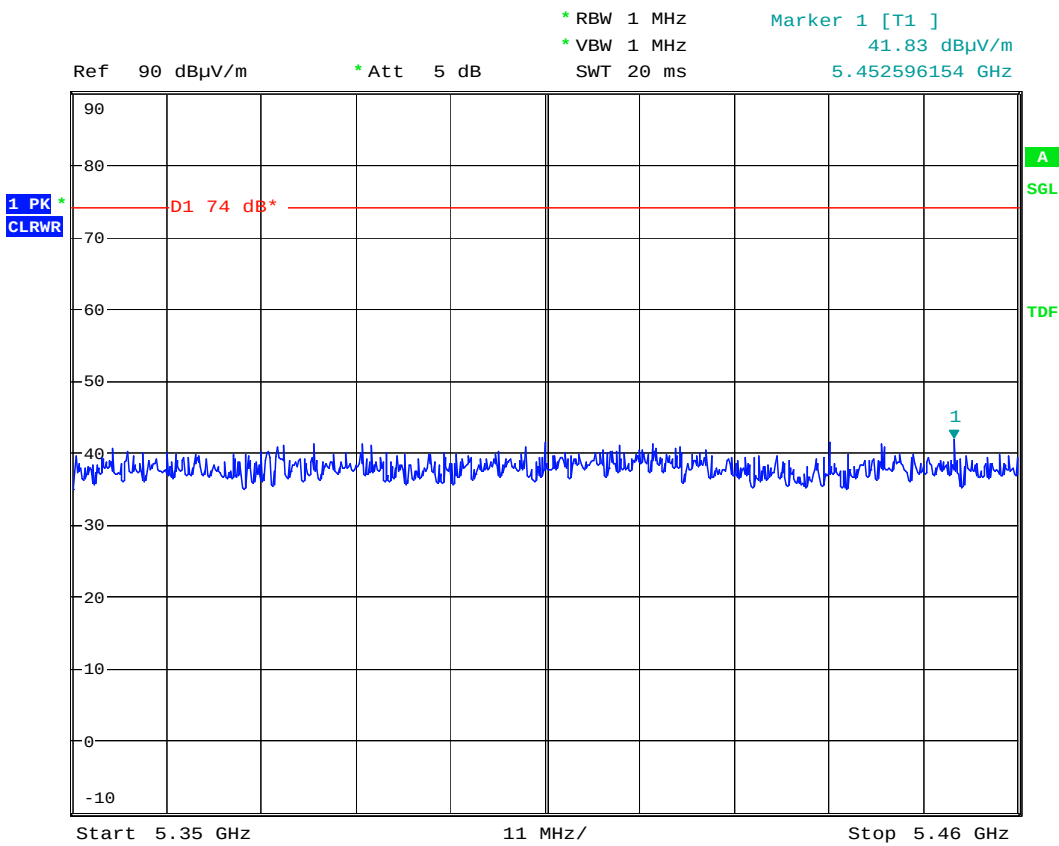
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 10dBi (MAXRAD, MMO58010NF)
TX-channel: 5835MHz
Average Limit: 54 dBµV/m



Date: 24.SEP.2007 17:54:40

Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 10dBi (MAXRAD, MMO58010NF)
TX-channel: 5835MHz
Peak Limit: 74 dBµV/m



Date: 24.SEP.2007 17:53:48

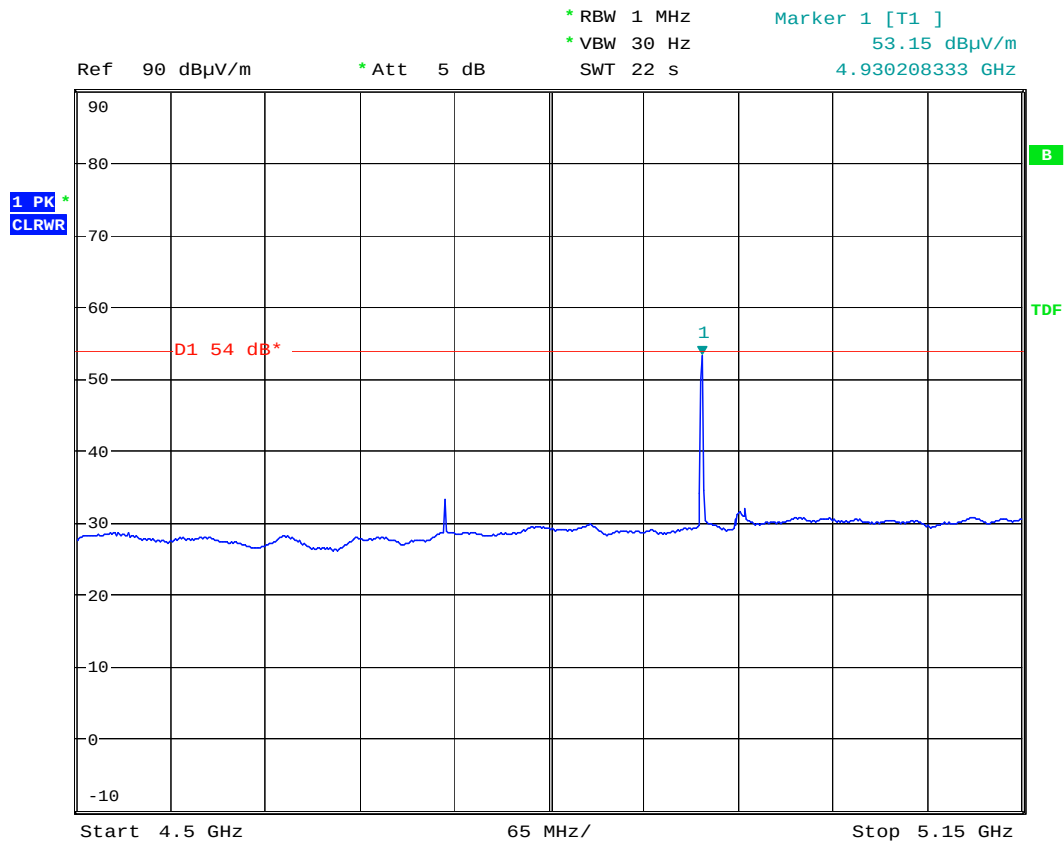
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 10.5dBi and 15dBi (BELAIR)

TX-channel: 5740MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 12:03:18

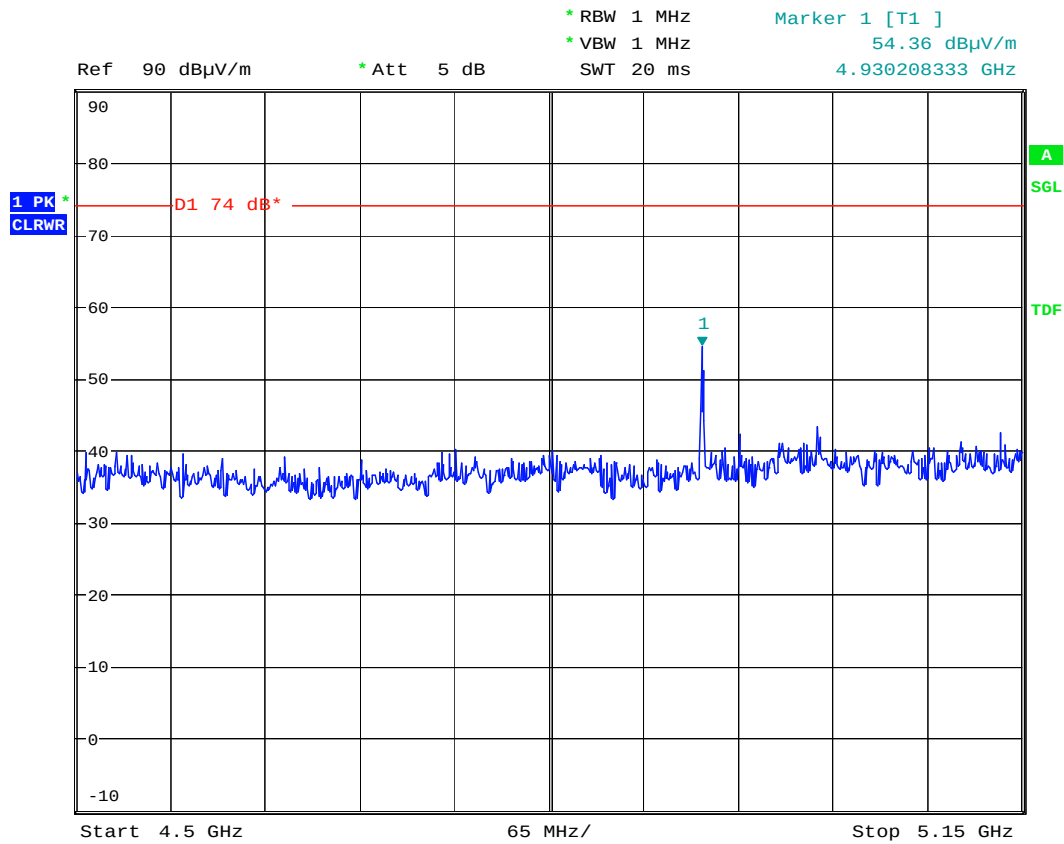
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 10.5dBi and 15dBi (BELAIR)

TX-channel: 5740MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 12:04:47

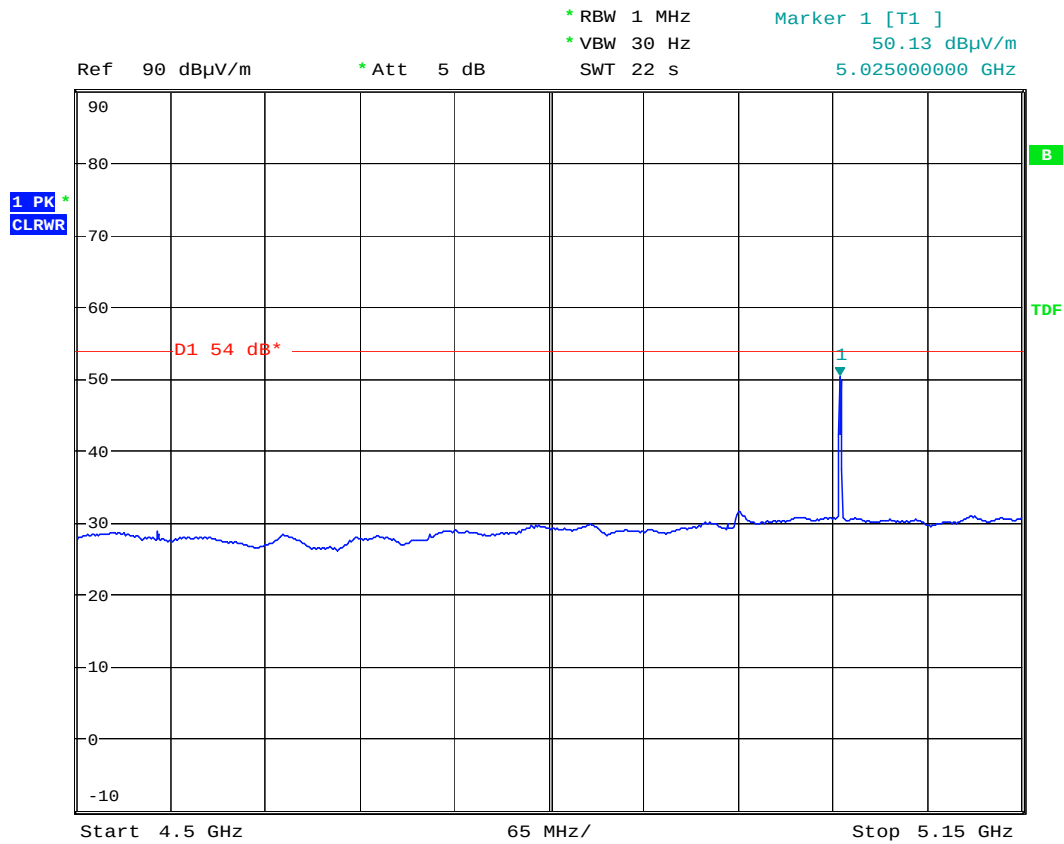
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 10.5dBi and 15dBi (BELAIR)

TX-channel: 5835MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 12:15:25

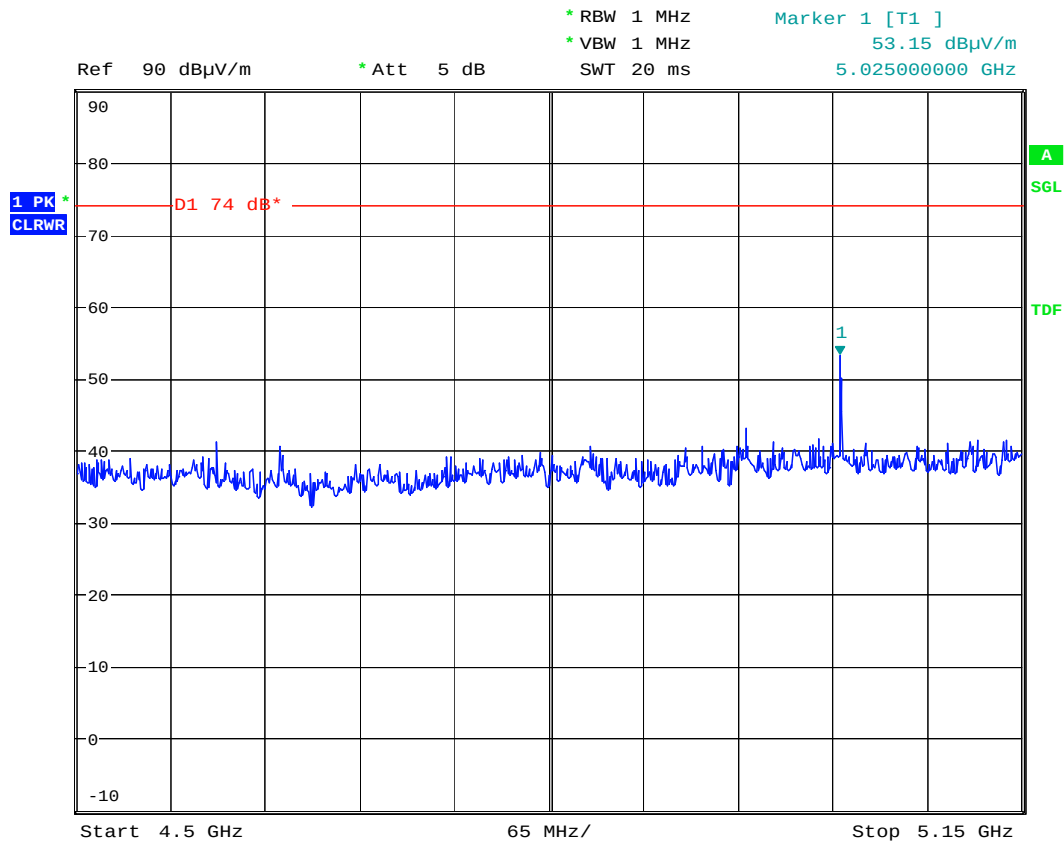
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 10.5dBi and 15dBi (BELAIR)

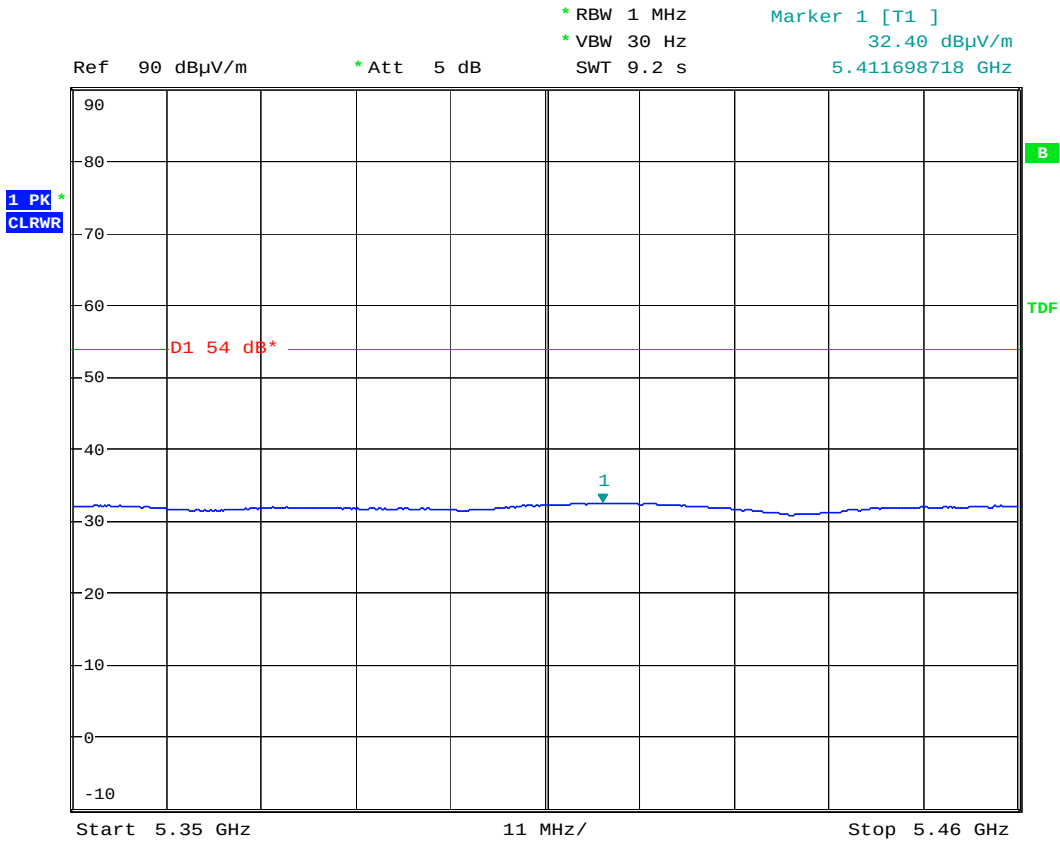
TX-channel: 5835MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 12:17:31

Radiated Emissions within Restricted Bands, continued

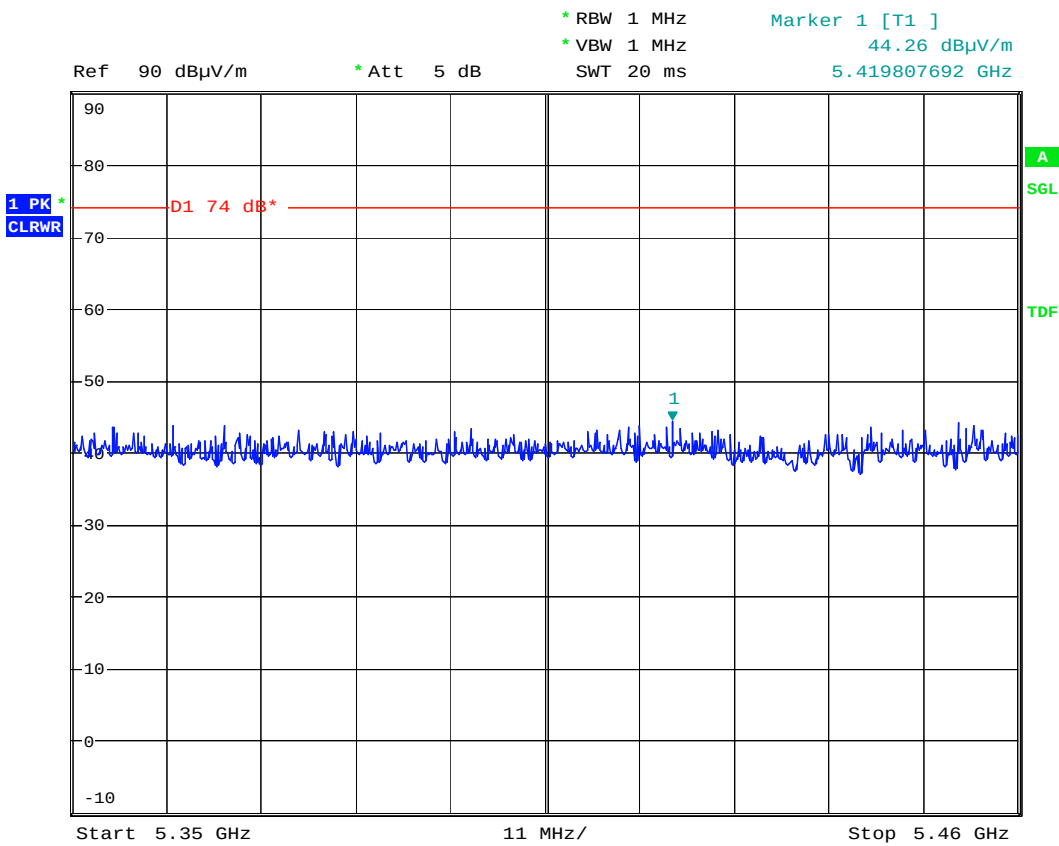
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 10.5dBi and 15dBi (BELAIR)
TX-channel: 5740MHz
Average Limit: 54 dBμV/m



Date: 24.SEP.2007 12:06:42

Radiated Emissions within Restricted Bands, continued

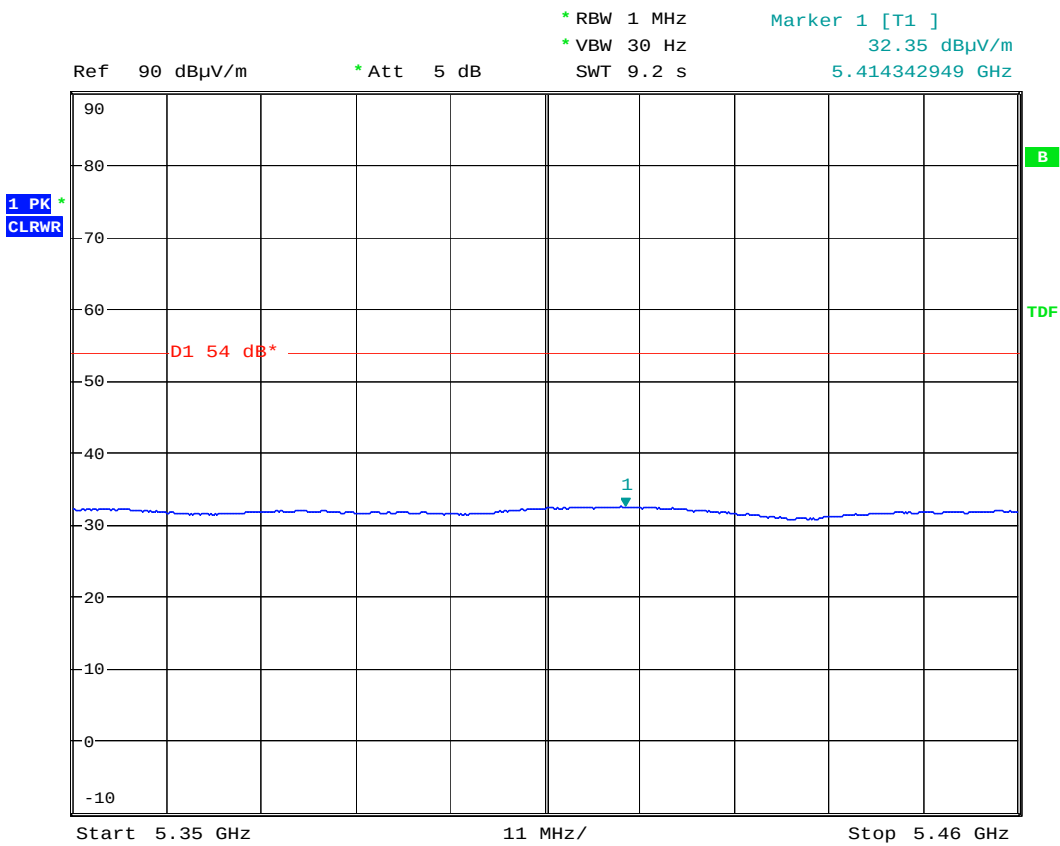
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 10.5dBi and 15dBi (BELAIR)
TX-channel: 5740MHz
Peak Limit: 74 dBµV/m



Date: 24.SEP.2007 12:07:57

Radiated Emissions within Restricted Bands, continued

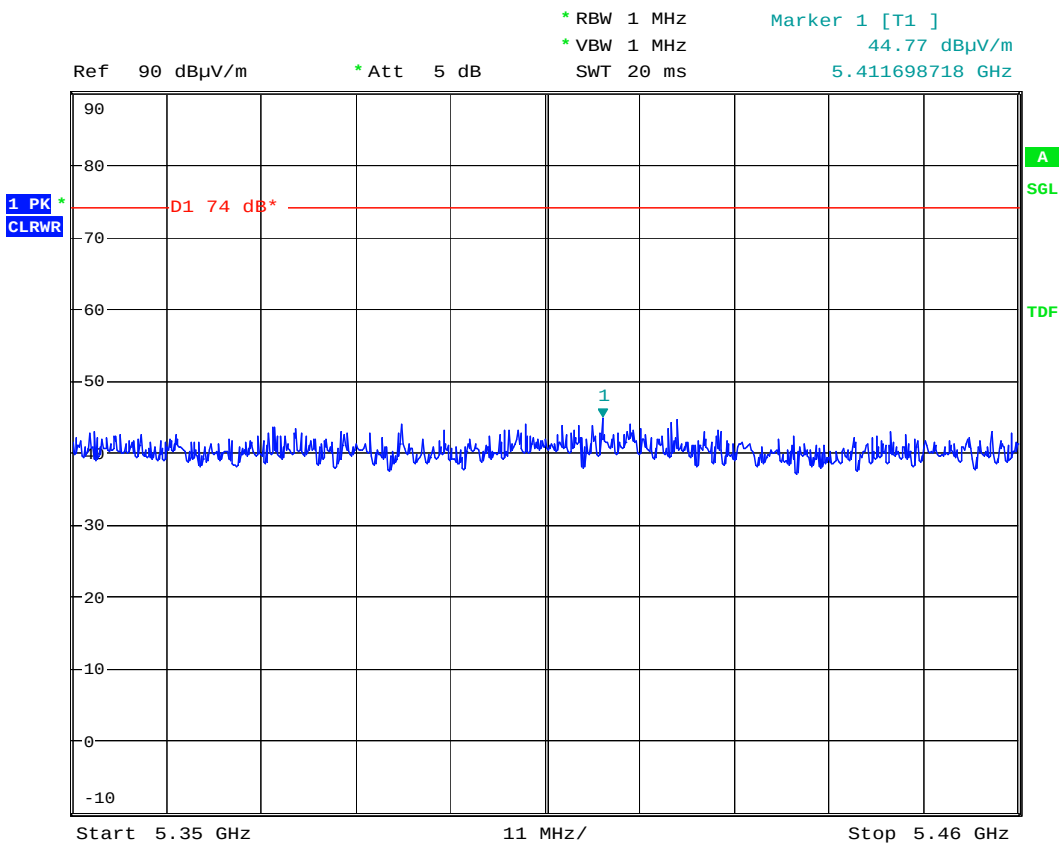
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 10.5dBi and 15dBi (BELAIR)
TX-channel: 5835MHz
Average Limit: 54 dBμV/m



Date: 24.SEP.2007 12:12:48

Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 10.5dBi and 15dBi (BELAIR)
TX-channel: 5835MHz
Peak Limit: 74 dBμV/m



Date: 24.SEP.2007 12:12:01

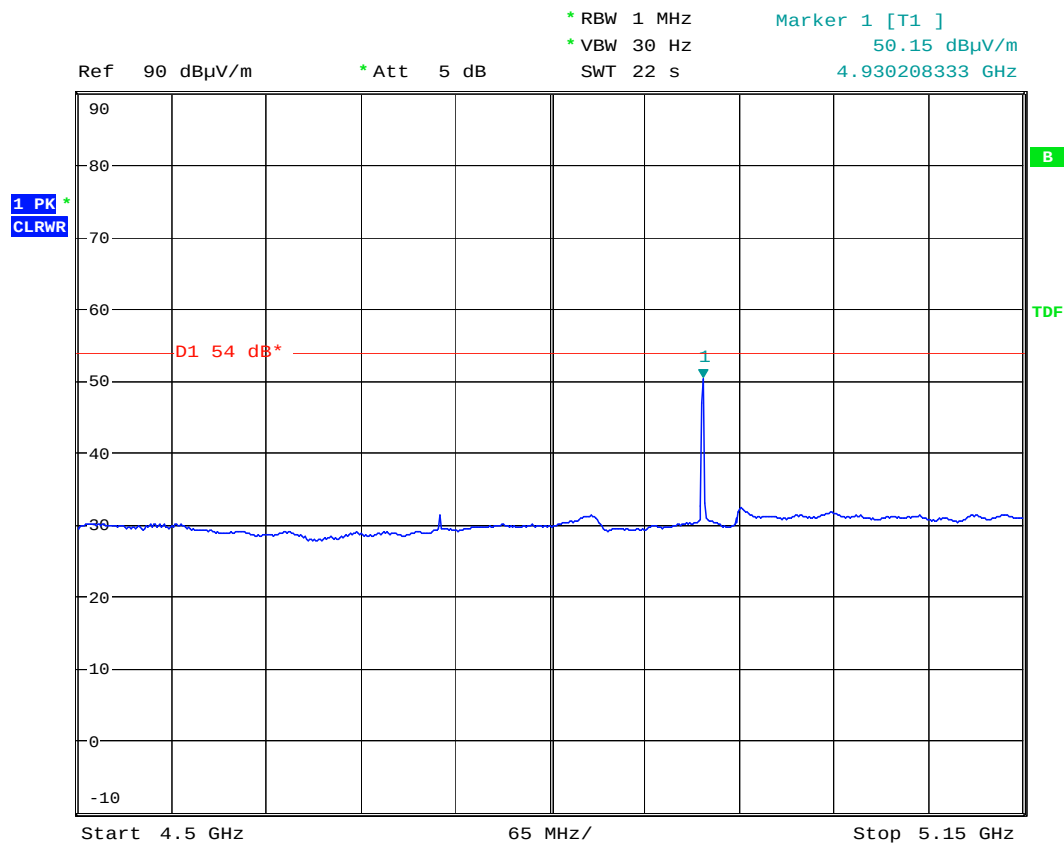
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

TX-channel: 5740MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 13:11:32

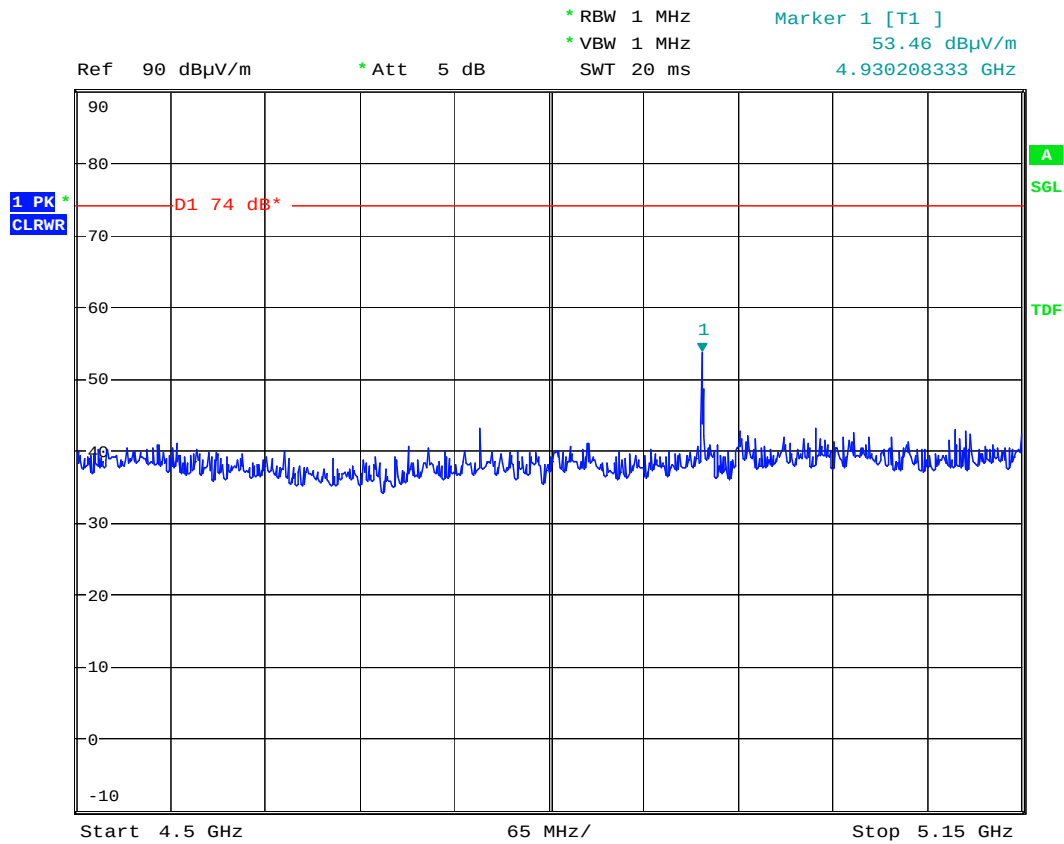
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

TX-channel: 5740MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 13:12:44

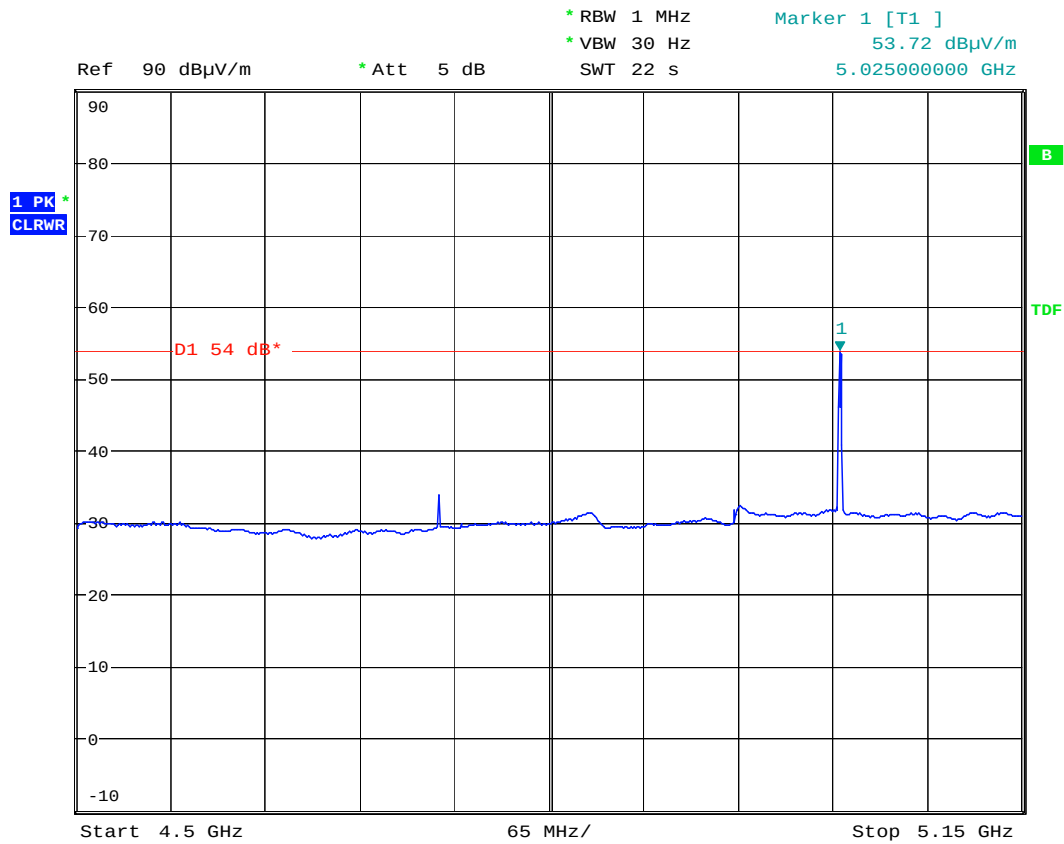
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

TX-channel: 5835MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 13:26:26

Radiated Emissions within Restricted Bands, continued

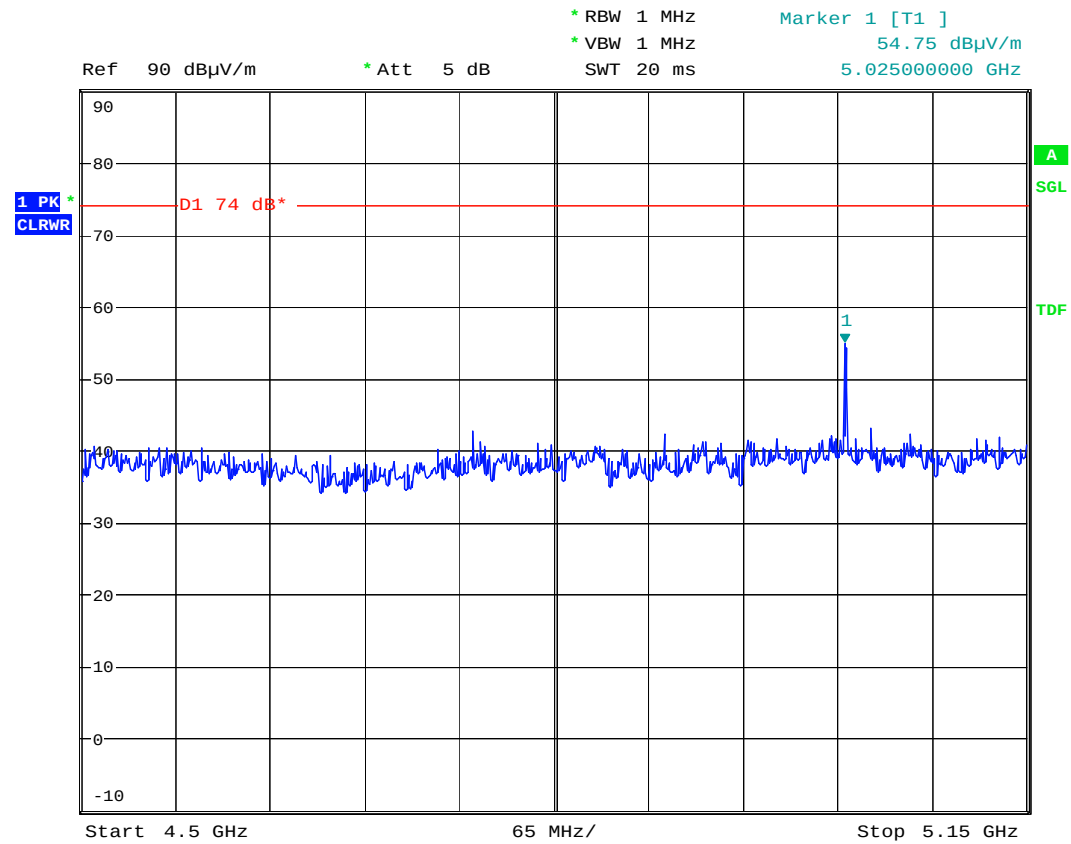
Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

TX-channel: 5835MHz

Peak Limit: 74 dBμV/m



Date: 24.SEP.2007 13:24:43

Radiated Emissions within Restricted Bands, continued

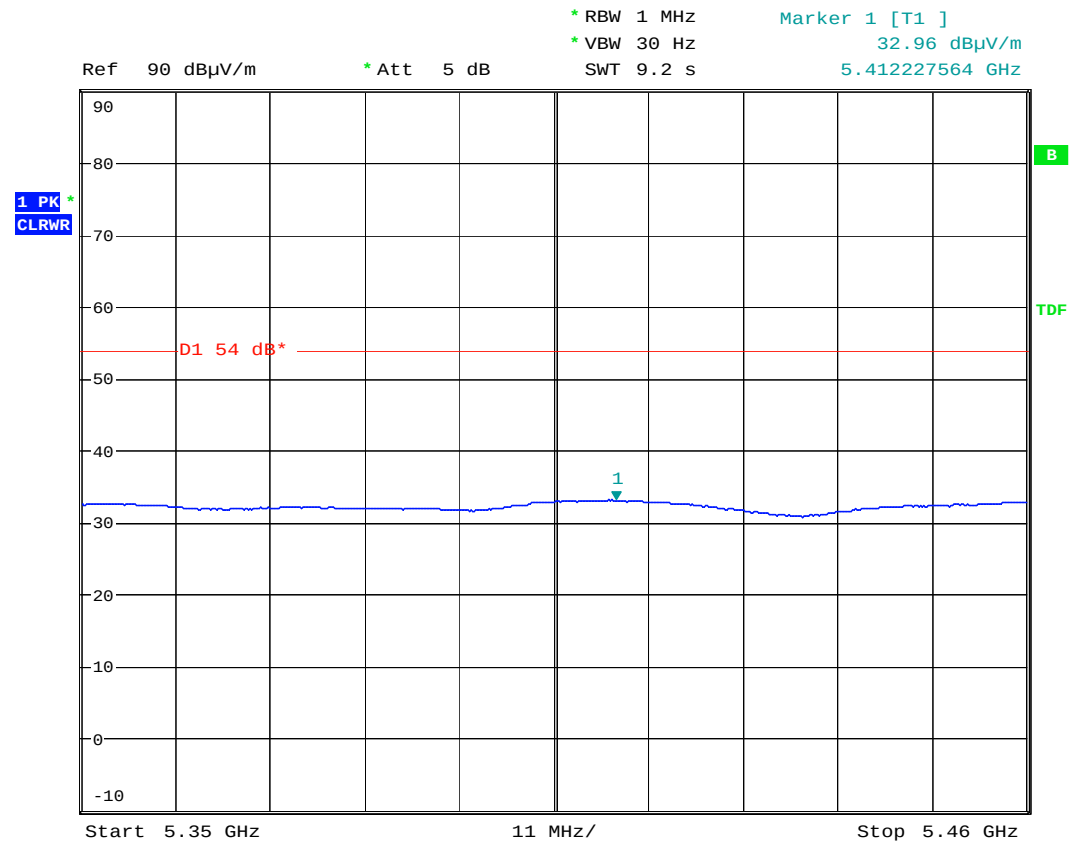
Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

TX-channel: 5740MHz

Average Limit: 54 dB μ V/m



Date: 24.SEP.2007 13:13:55

Radiated Emissions within Restricted Bands, continued

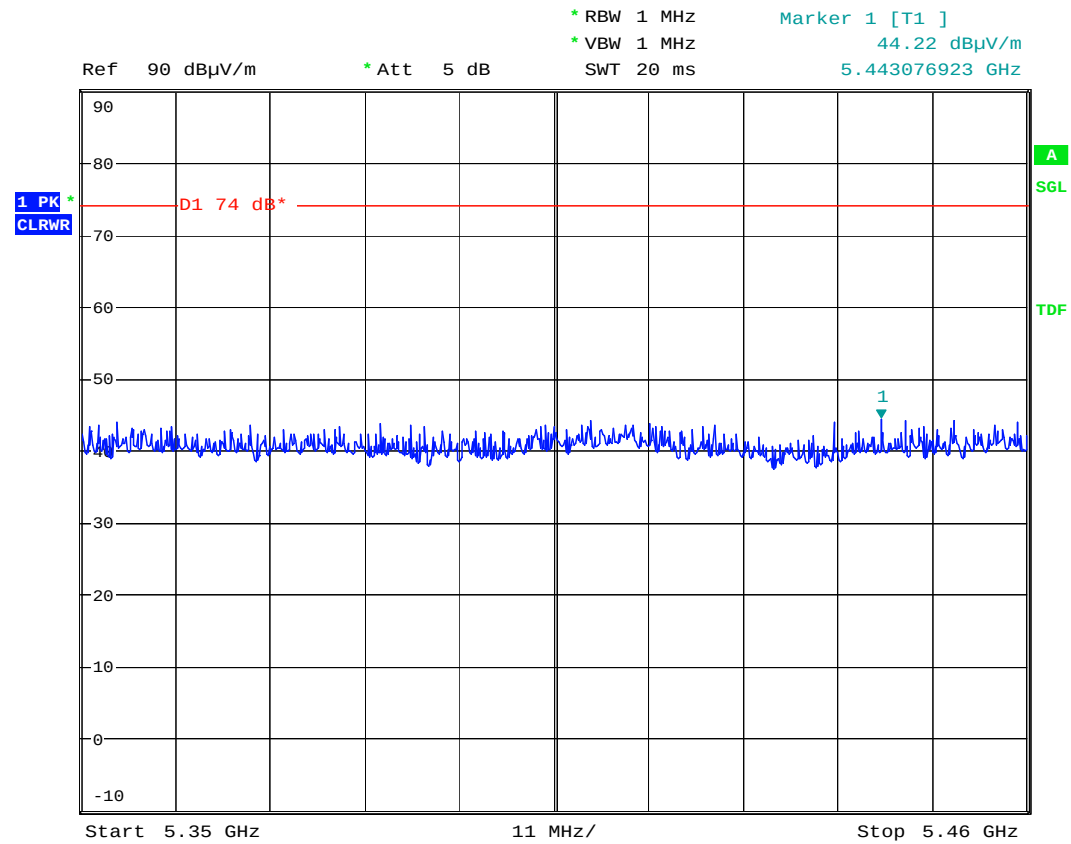
Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

TX-channel: 5740MHz

Peak Limit: 74 dBμV/m



Date: 24.SEP.2007 13:14:55

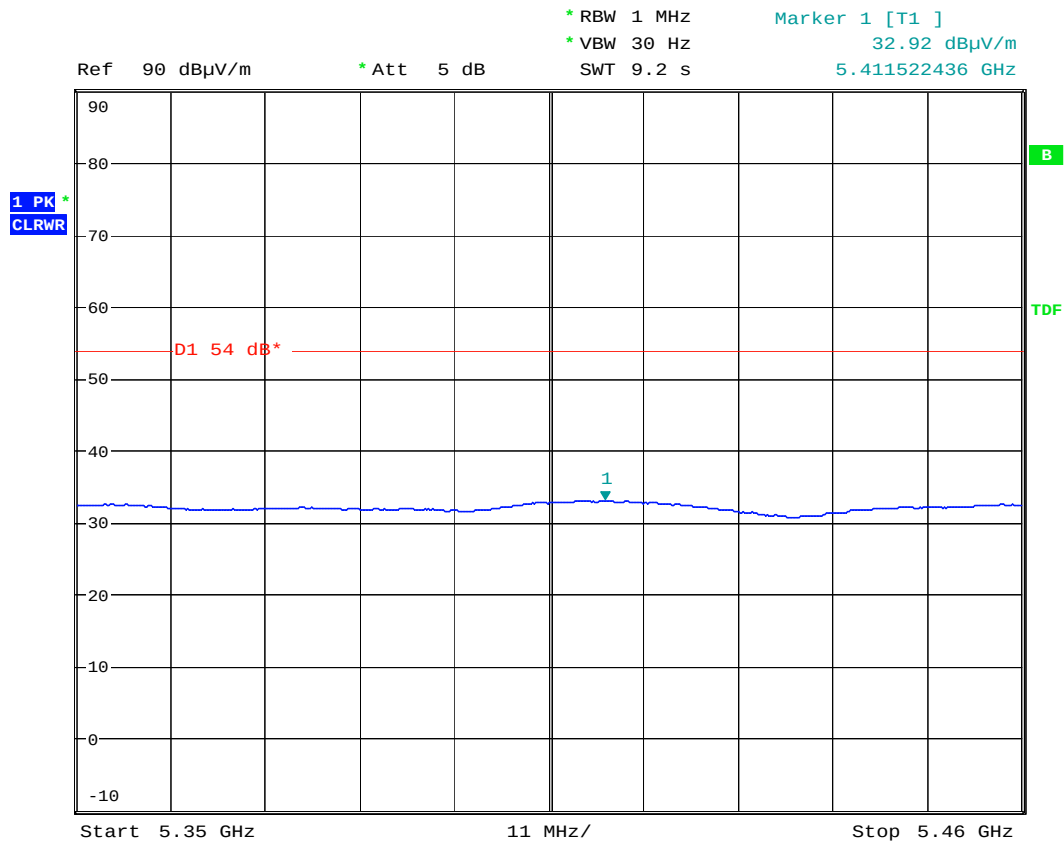
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

TX-channel: 5835MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 13:22:42

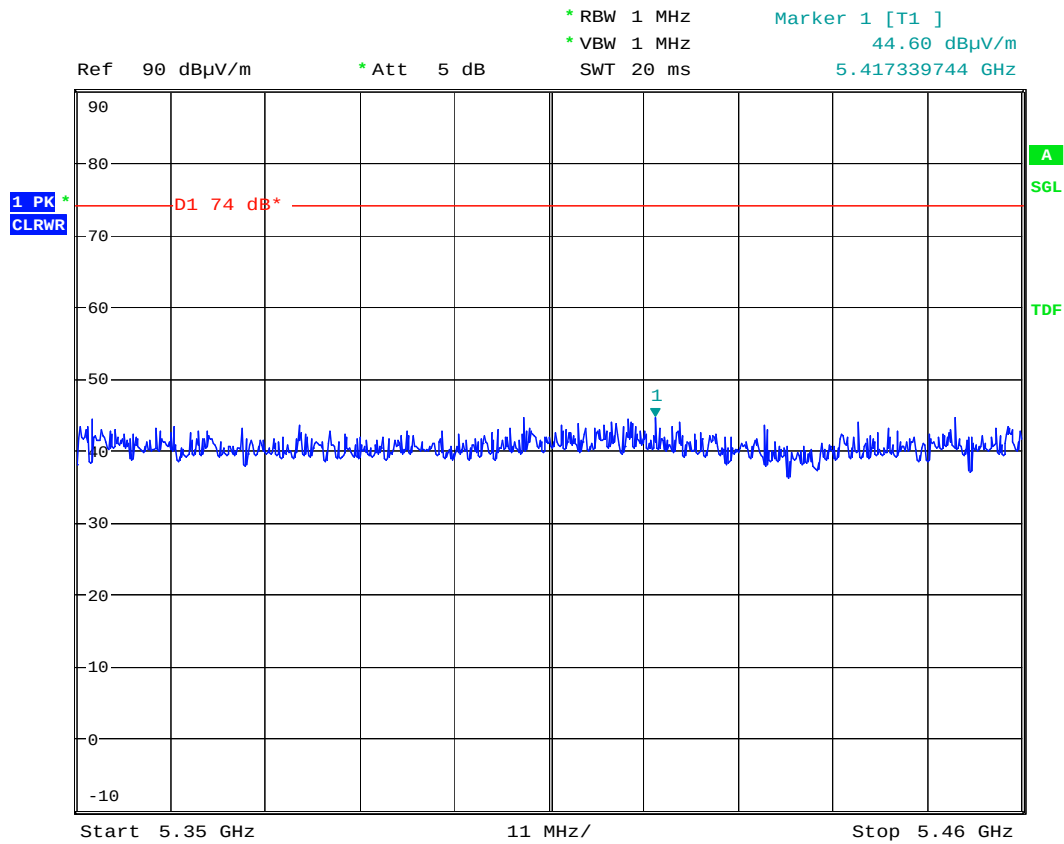
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

TX-channel: 5835MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 13:23:21

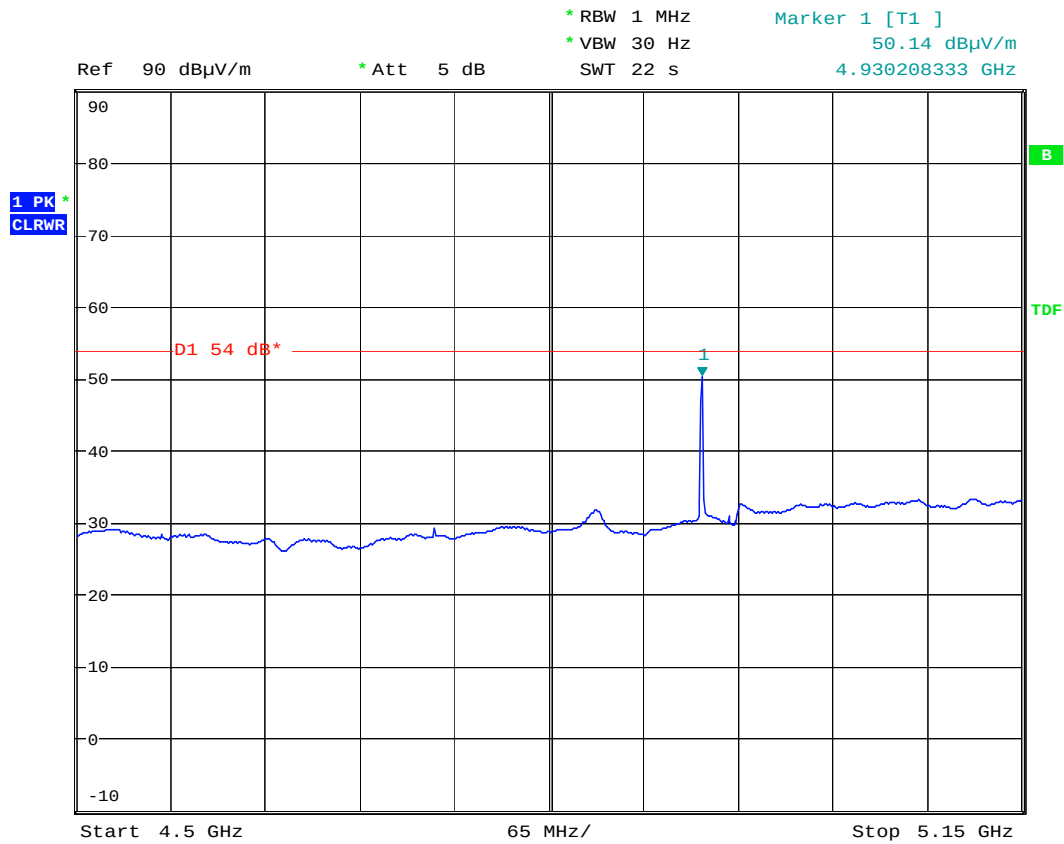
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 19dBi (Wireless Edge, MT-485001)

TX-channel: 5740MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 10:29:21

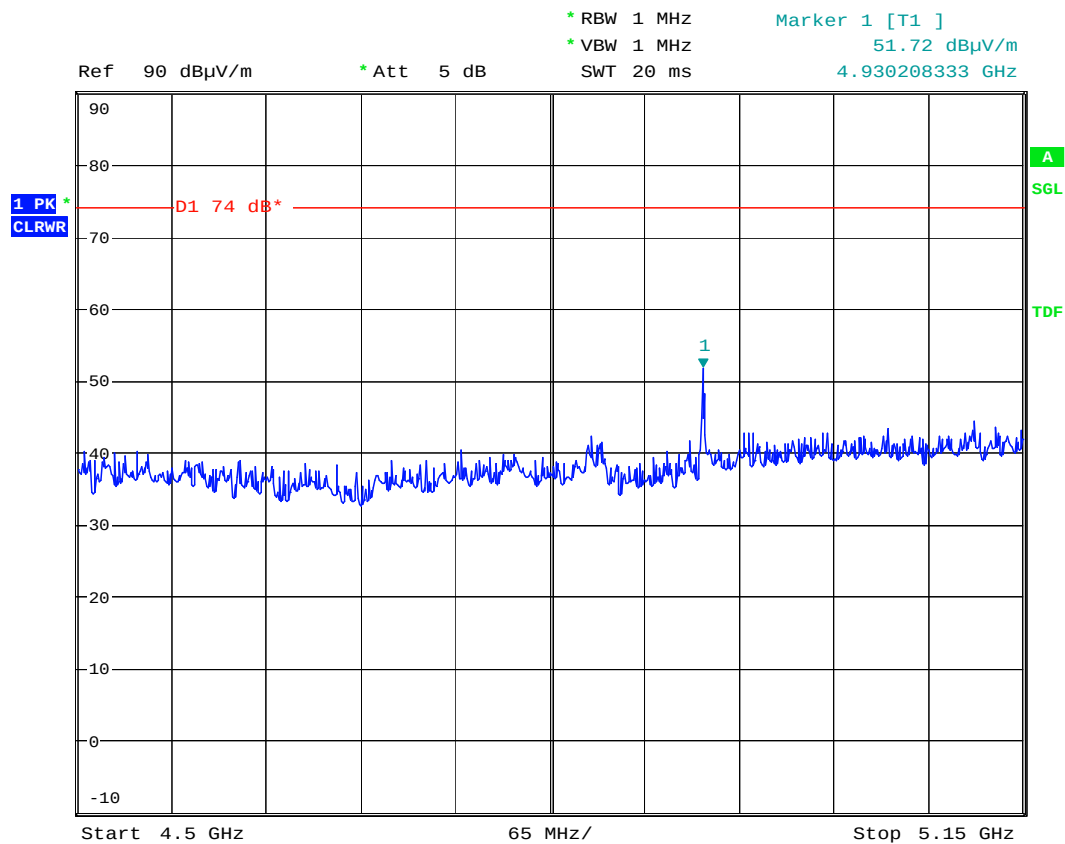
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 19dBi (Wireless Edge, MT-485001)

TX-channel: 5740MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 10:36:43

Radiated Emissions within Restricted Bands, continued

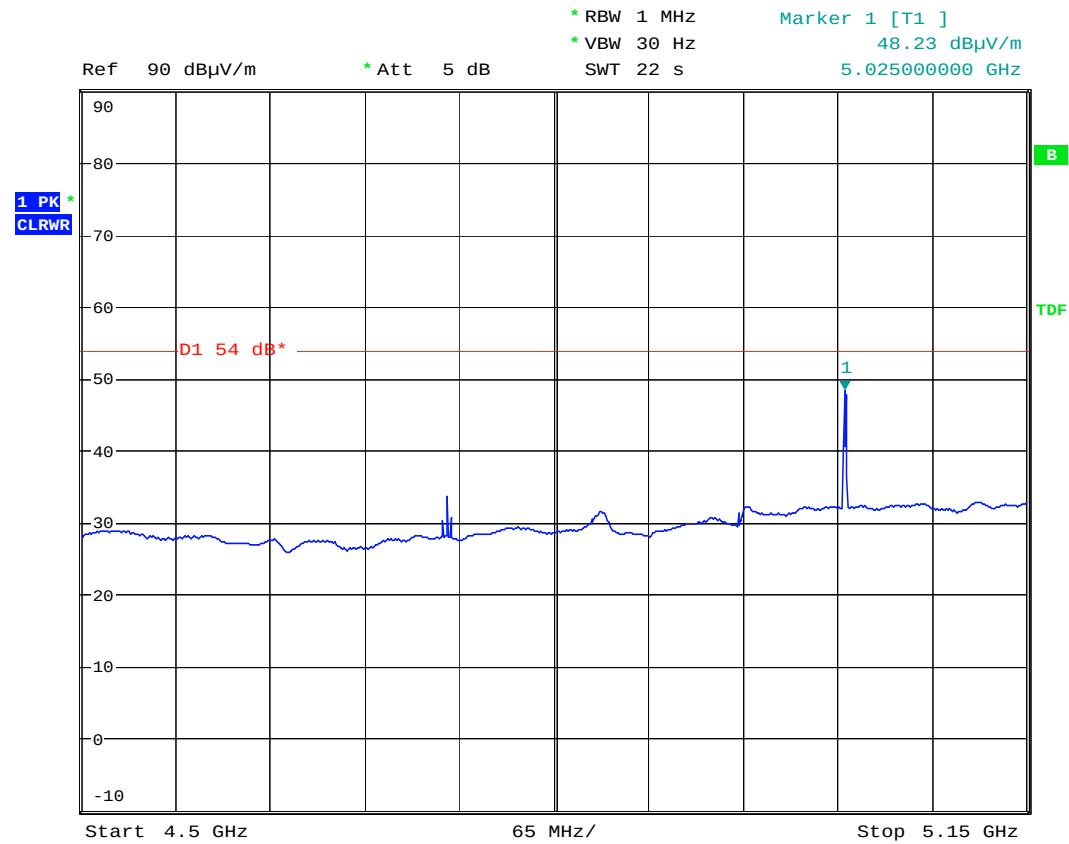
Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 19dBi (Wireless Edge, MT-485001)

TX-channel: 5835MHz

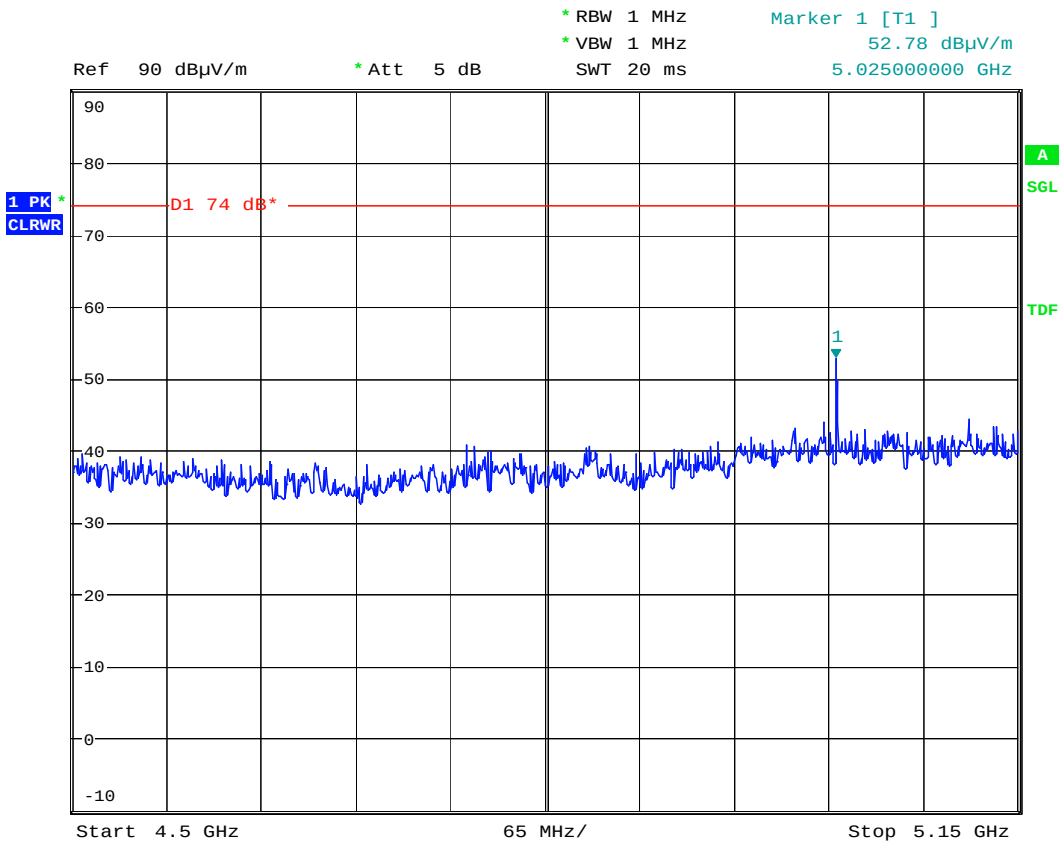
Average Limit: 54 dBμV/m



Date: 24.SEP.2007 10:45:42

Radiated Emissions within Restricted Bands, continued

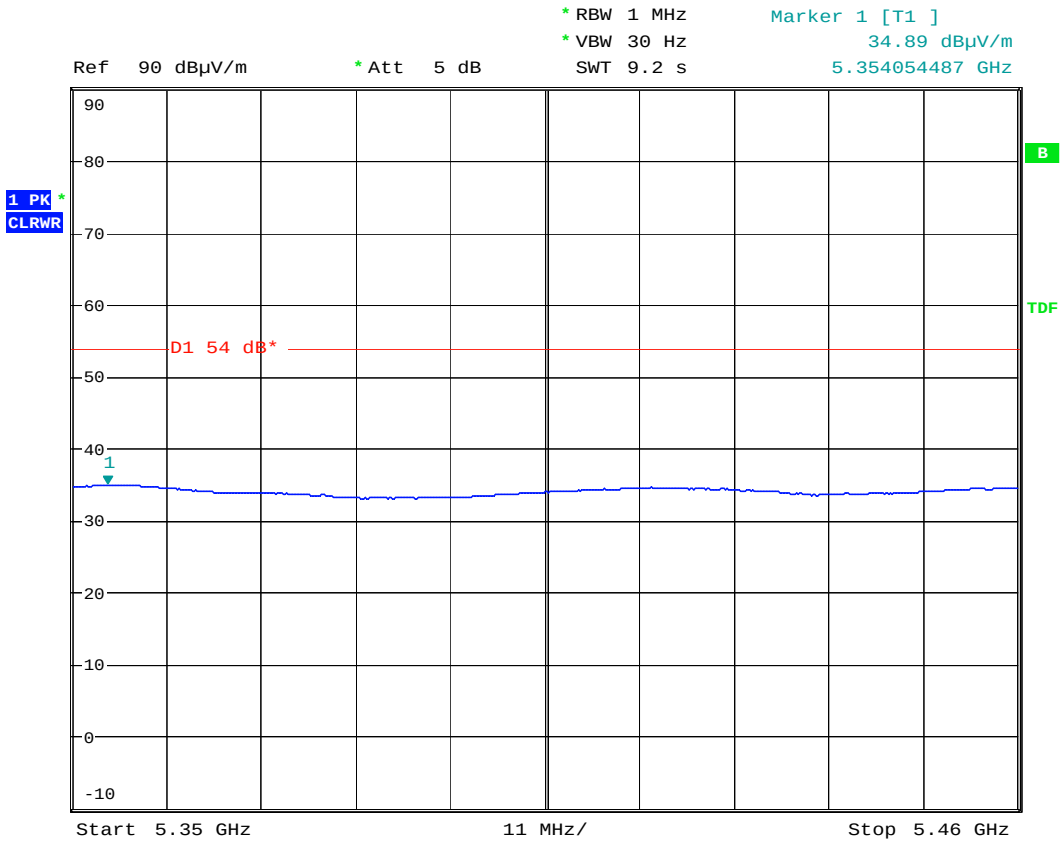
Restricted Band: 4.5 – 5.15 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 19dBi (Wireless Edge, MT-485001)
TX-channel: 5835MHz
Peak Limit: 74 dBµV/m



Date: 24.SEP.2007 10:46:47

Radiated Emissions within Restricted Bands, continued

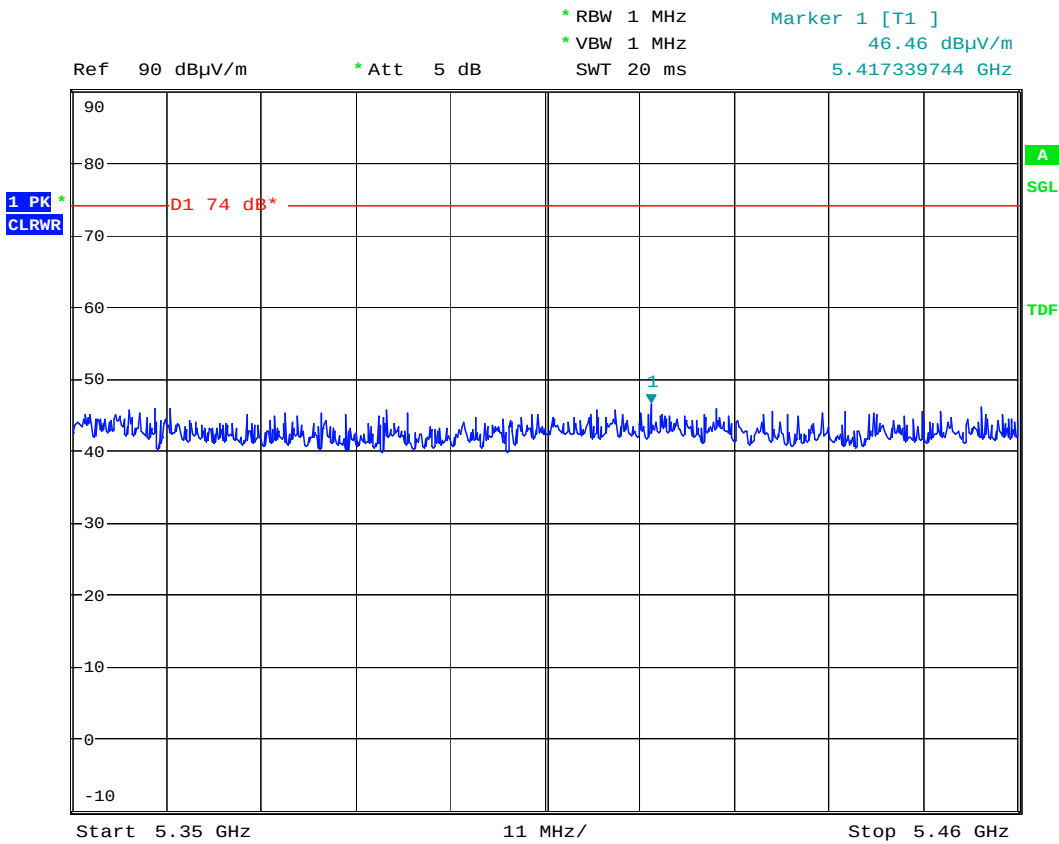
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 19dBi (Wireless Edge, MT-485001)
TX-channel: 5740MHz
Average Limit: 54 dBμV/m



Date: 24.SEP.2007 10:38:36

Radiated Emissions within Restricted Bands, continued

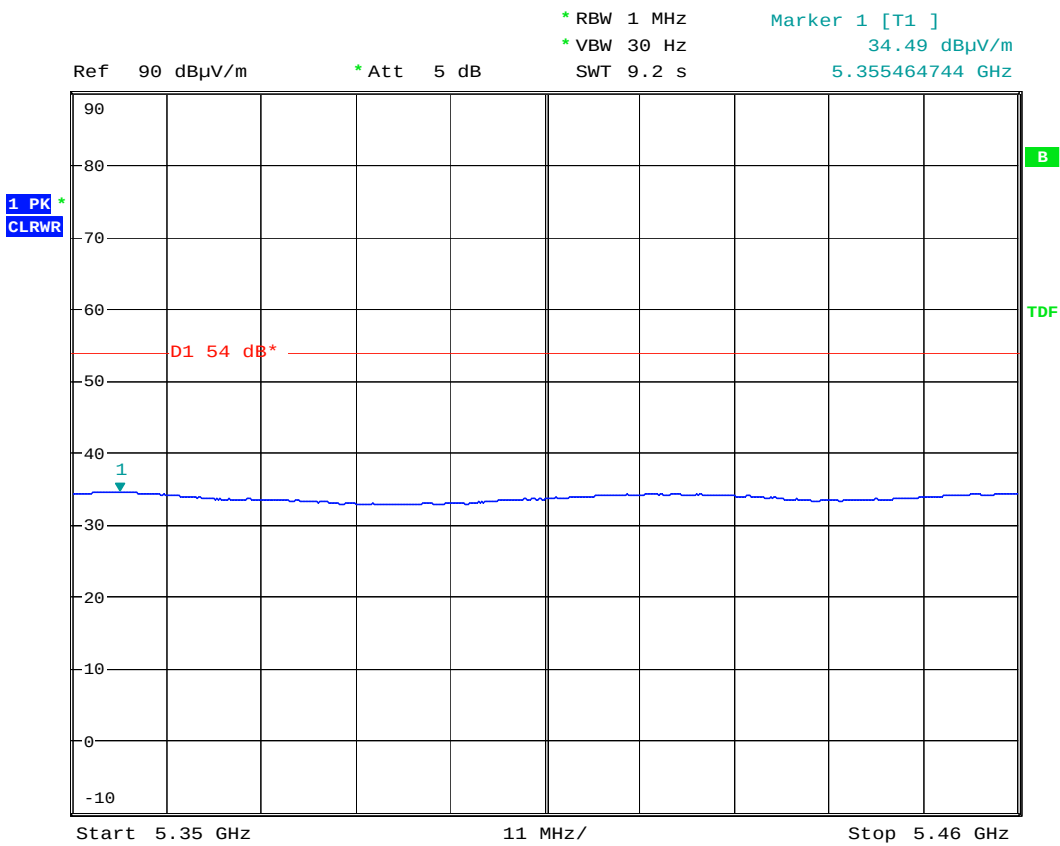
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 19dBi (Wireless Edge, MT-485001)
TX-channel: 5740MHz
Peak Limit: 74 dBµV/m



Date: 24.SEP.2007 10:39:52

Radiated Emissions within Restricted Bands, continued

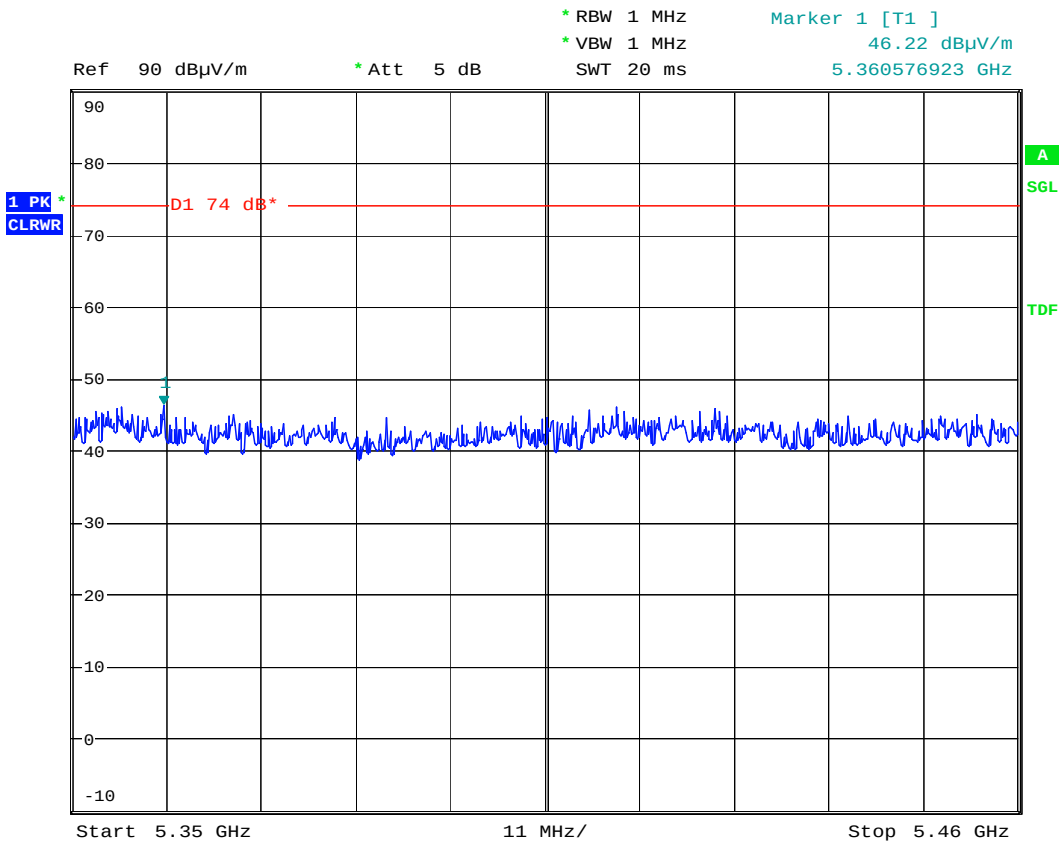
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 19dBi (Wireless Edge, MT-485001)
TX-channel: 5835MHz
Average Limit: 54 dBµV/m



Date: 24.SEP.2007 10:43:42

Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 19dBi (Wireless Edge, MT-485001)
TX-channel: 5835MHz
Peak Limit: 74 dBµV/m



Date: 24.SEP.2007 10:42:51

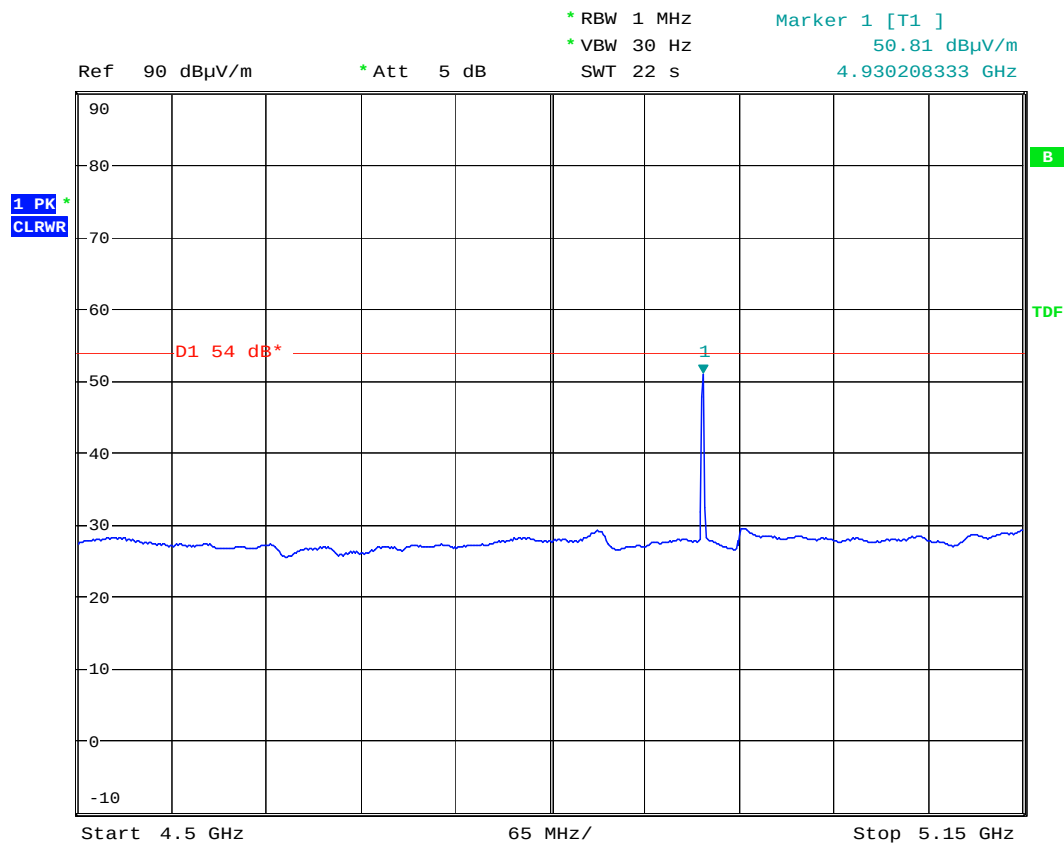
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 23dBi (Huber & Suhner, SPA 5600/9/23/0/V)

TX-channel: 5740MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 09:29:04

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

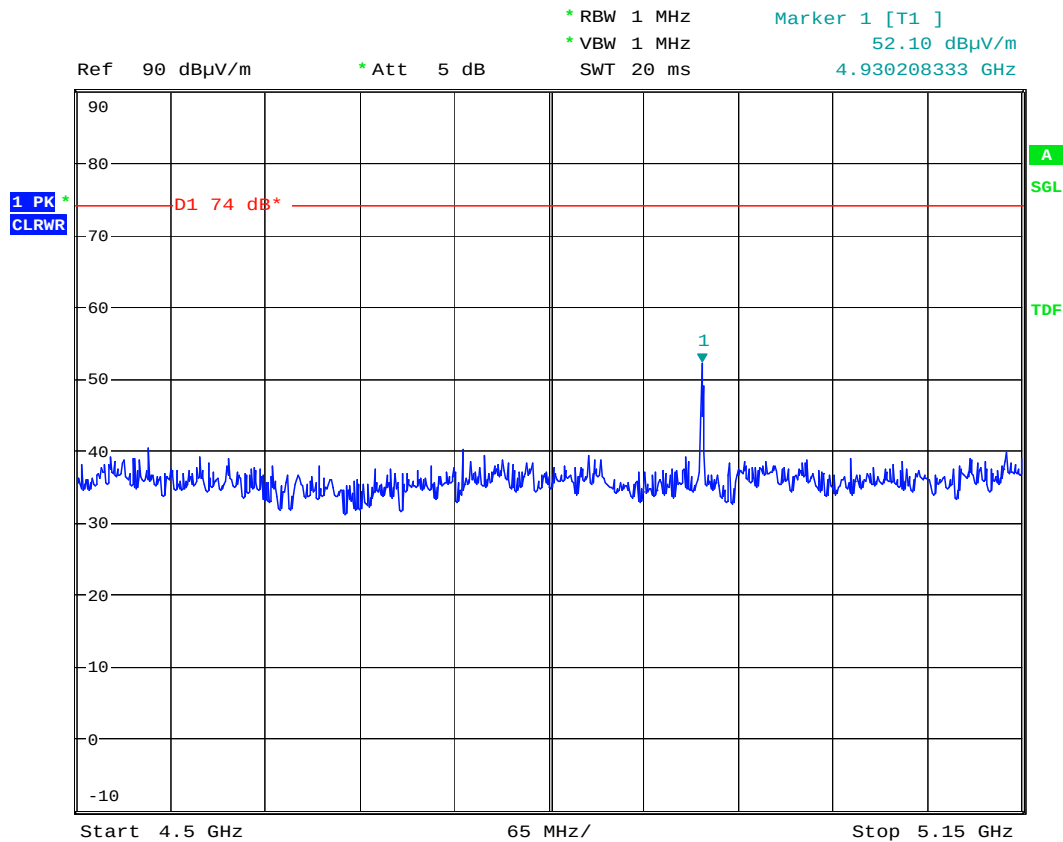
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 23dBi (Huber & Suhner, SPA 5600/9/23/0/V)

TX-channel: 5740MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 09:29:54

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

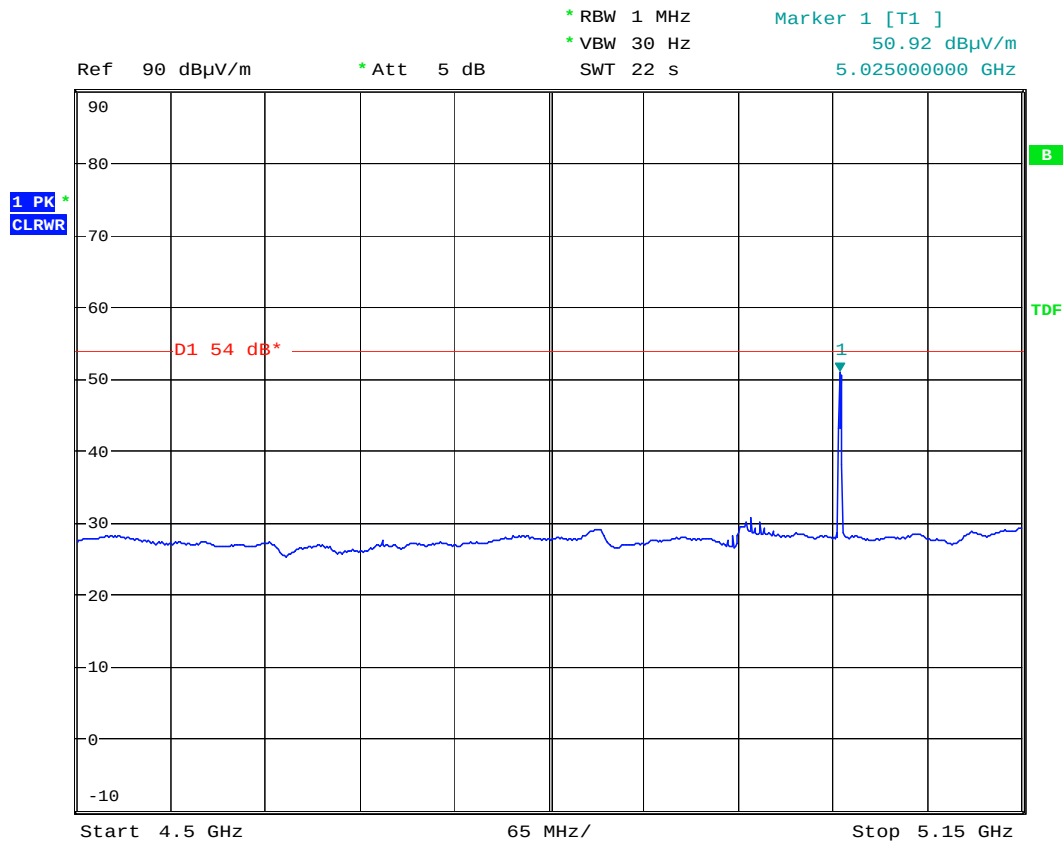
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 23dBi (Huber & Suhner, SPA 5600/9/23/0/V)

TX-channel: 5835MHz

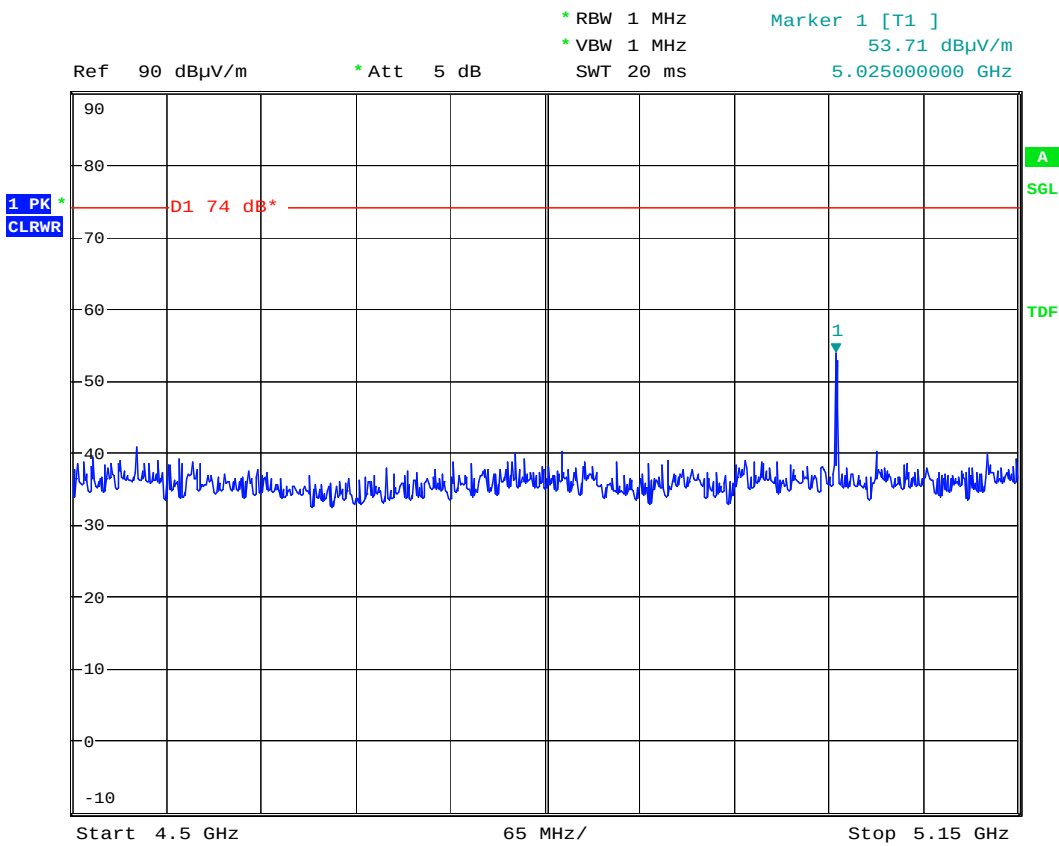
Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 09:33:44

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 23dBi (Huber & Suhner, SPA 5600/9/23/0/V)
TX-channel: 5835MHz
Peak Limit: 74 dBμV/m

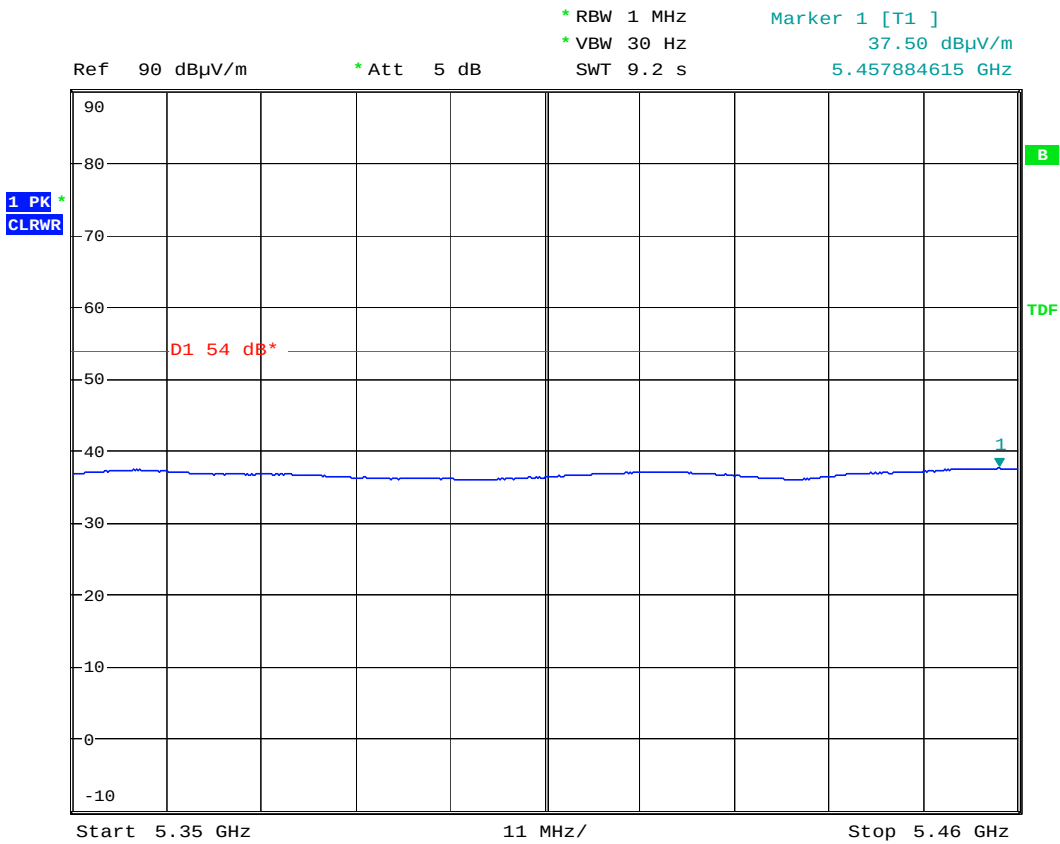


Date: 24.SEP.2007 09:32:34

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 23dBi (Huber & Suhner, SPA 5600/9/23/0/V)
TX-channel: 5740MHz
Average Limit: 54 dBµV/m



Date: 23.SEP.2007 21:39:31

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

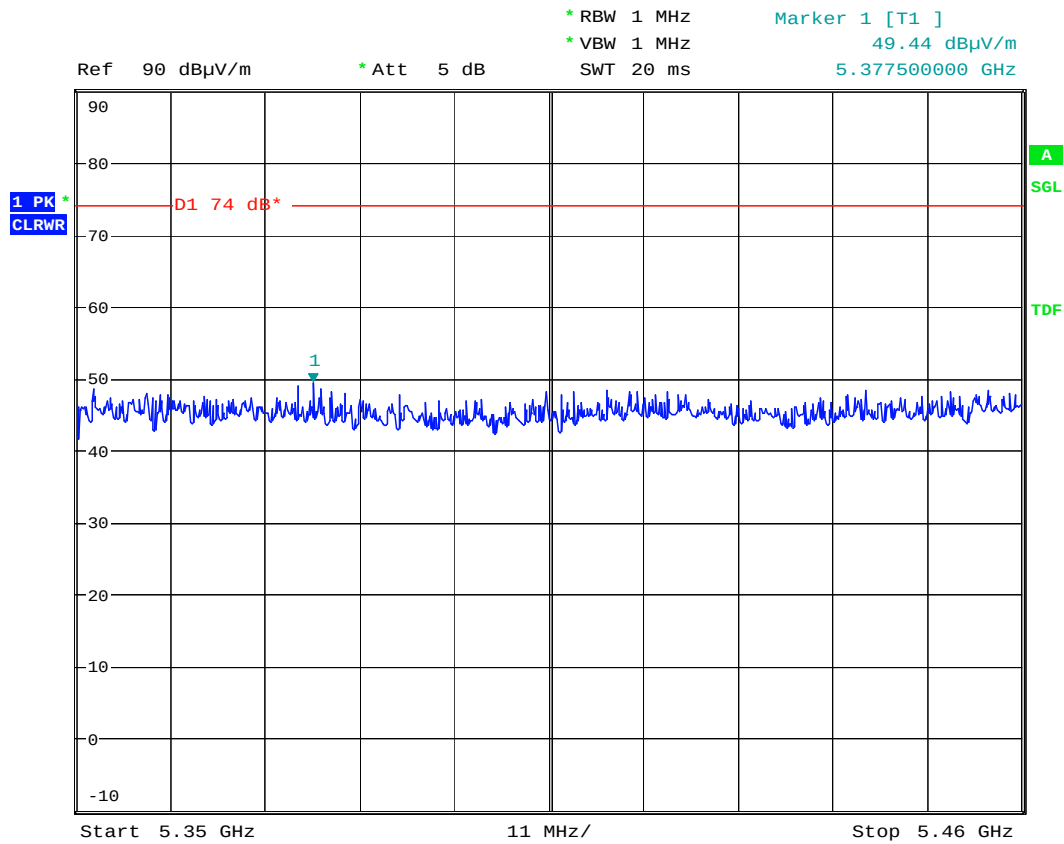
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 23dBi (Huber & Suhner, SPA 5600/9/23/0/V)

TX-channel: 5740MHz

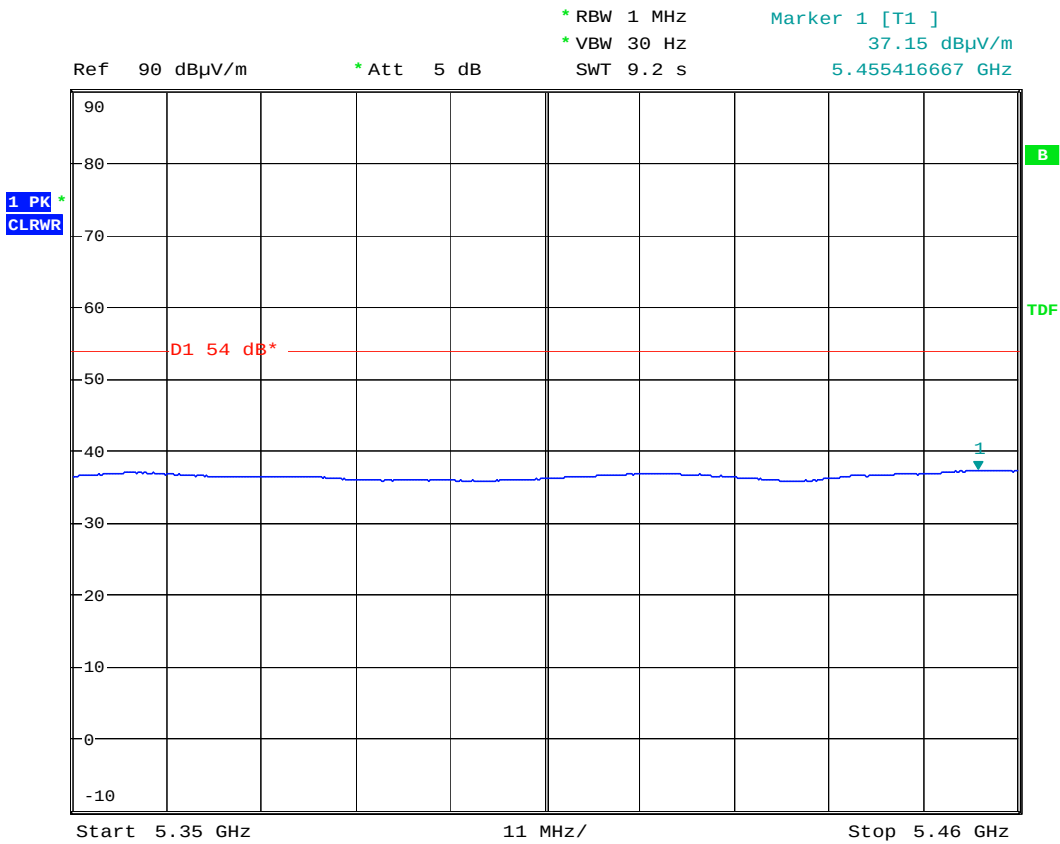
Peak Limit: 74 dB μ V/m

Date: 23.SEP.2007 21:41:35

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 23dBi (Huber & Suhner, SPA 5600/9/23/0/V)
TX-channel: 5835MHz
Average Limit: 54 dBμV/m



Date: 23.SEP.2007 21:46:49

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

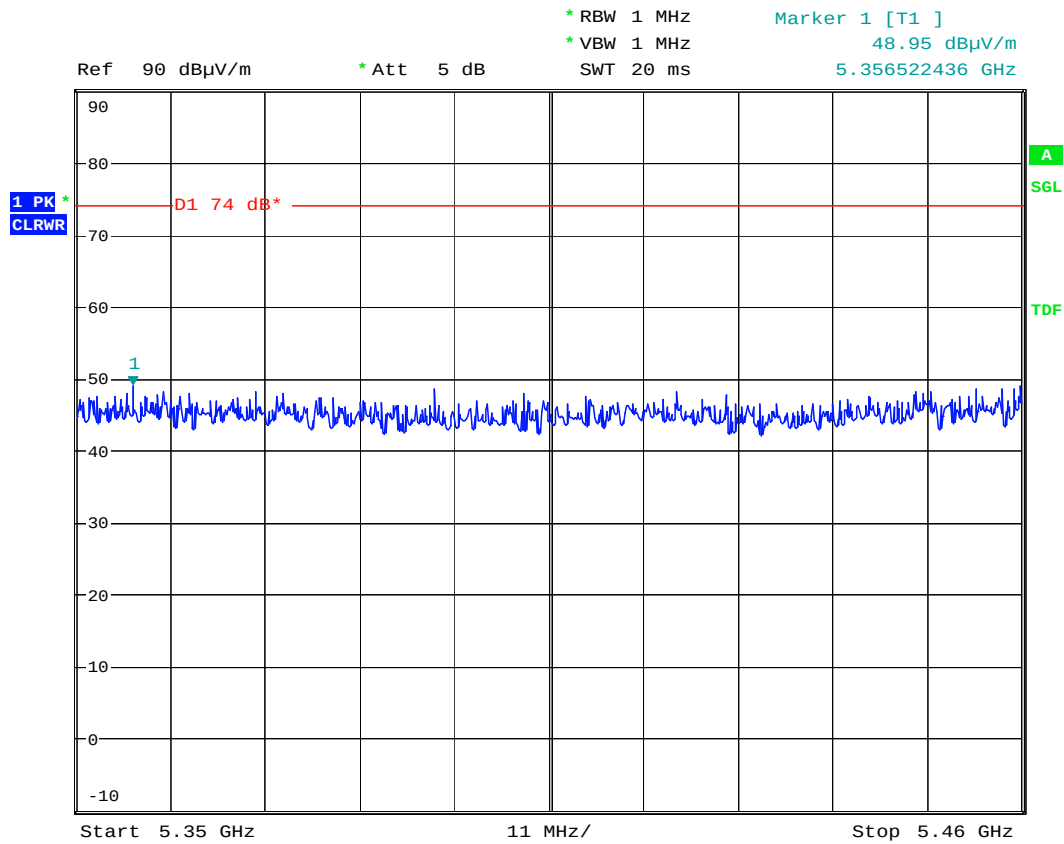
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 23dBi (Huber & Suhner, SPA 5600/9/23/0/V)

TX-channel: 5835MHz

Peak Limit: 74 dB μ V/m

Date: 23.SEP.2007 21:46:03

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

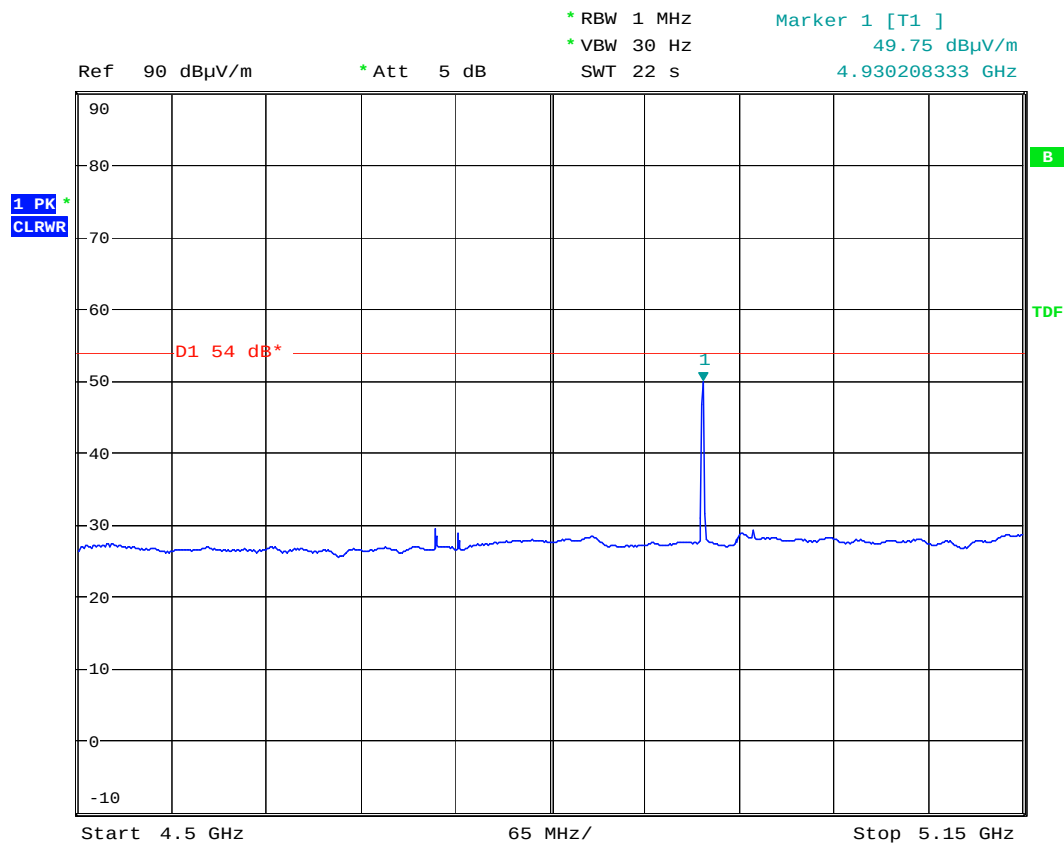
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 28dBi (Wireless Edge, MT-486001)

TX-channel: 5740MHz

Average Limit: 54 dB μ V/m

Date: 23.SEP.2007 20:40:37

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

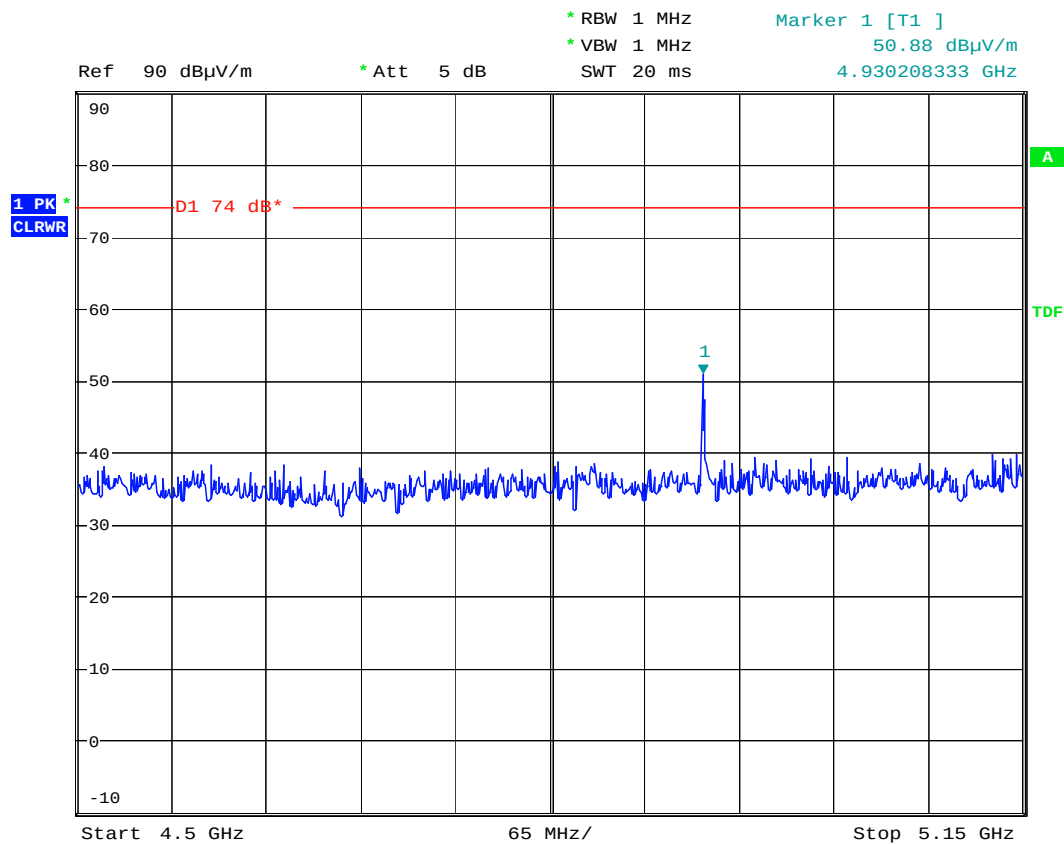
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 28dBi (Wireless Edge, MT-486001)

TX-channel: 5740MHz

Peak Limit: 74 dB μ V/m

Date: 23.SEP.2007 20:41:22

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

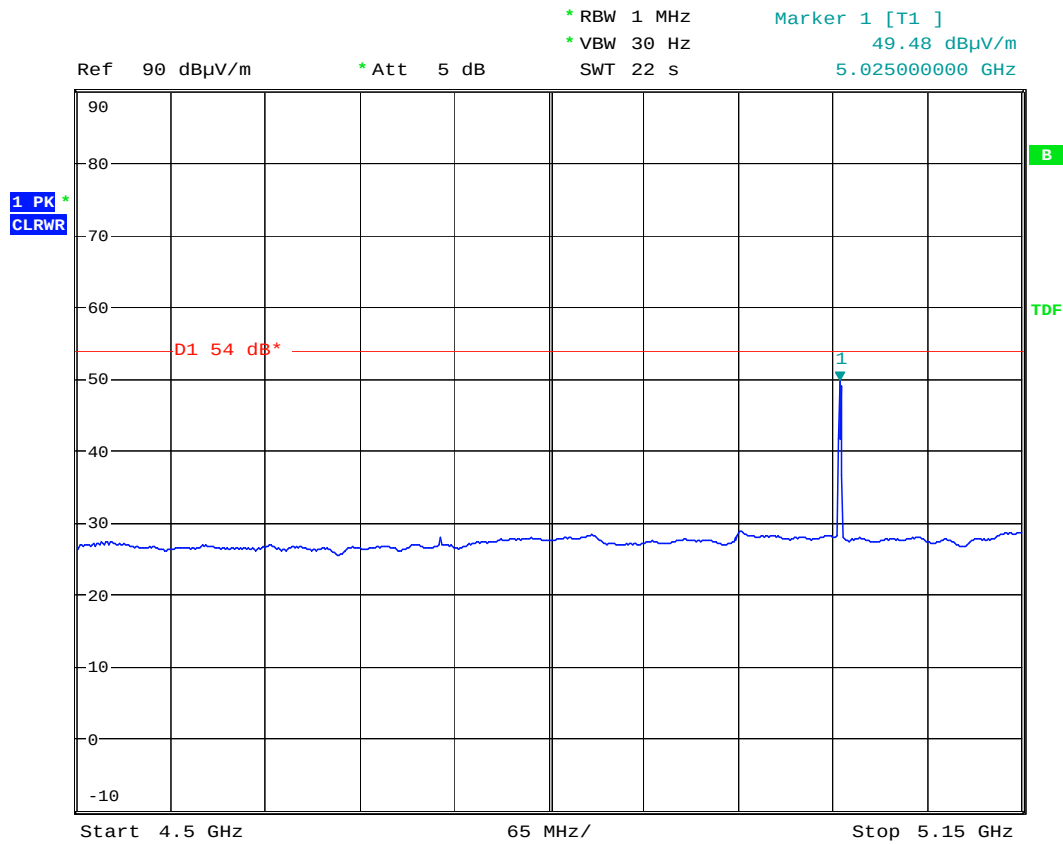
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 28dBi (Wireless Edge, MT-486001)

TX-channel: 5835MHz

Average Limit: 54 dB μ V/m

Date: 23.SEP.2007 20:49:45

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

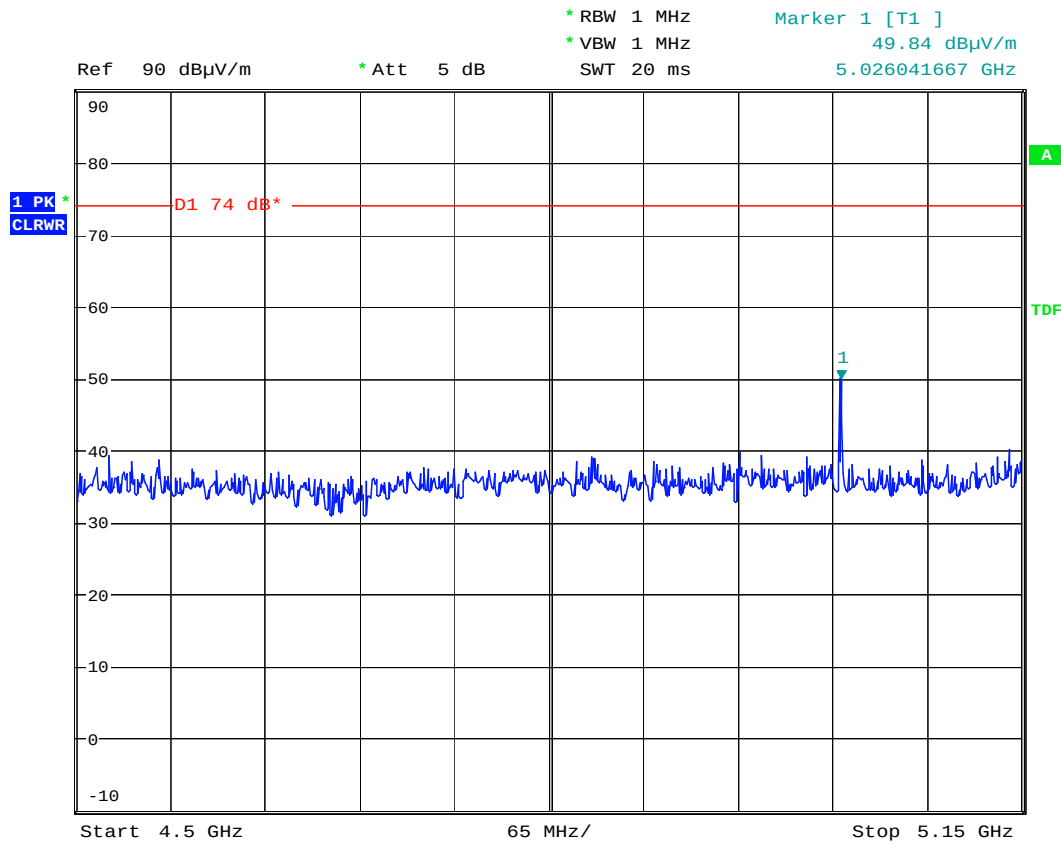
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 28dBi (Wireless Edge, MT-486001)

TX-channel: 5835MHz

Peak Limit: 74 dB μ V/m

Date: 23.SEP.2007 20:50:25

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

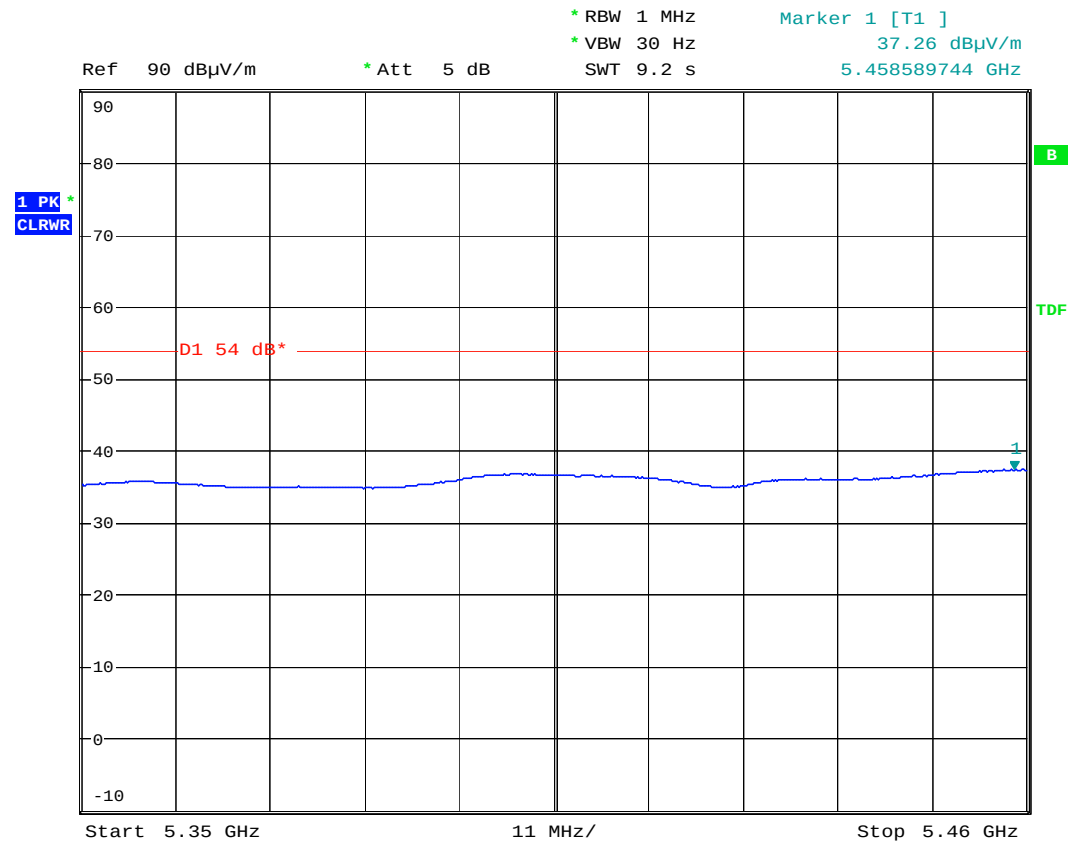
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 28dBi (Wireless Edge, MT-486001)

TX-channel: 5740MHz

Average Limit: 54 dB μ V/m

Date: 23.SEP.2007 20:43:26

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

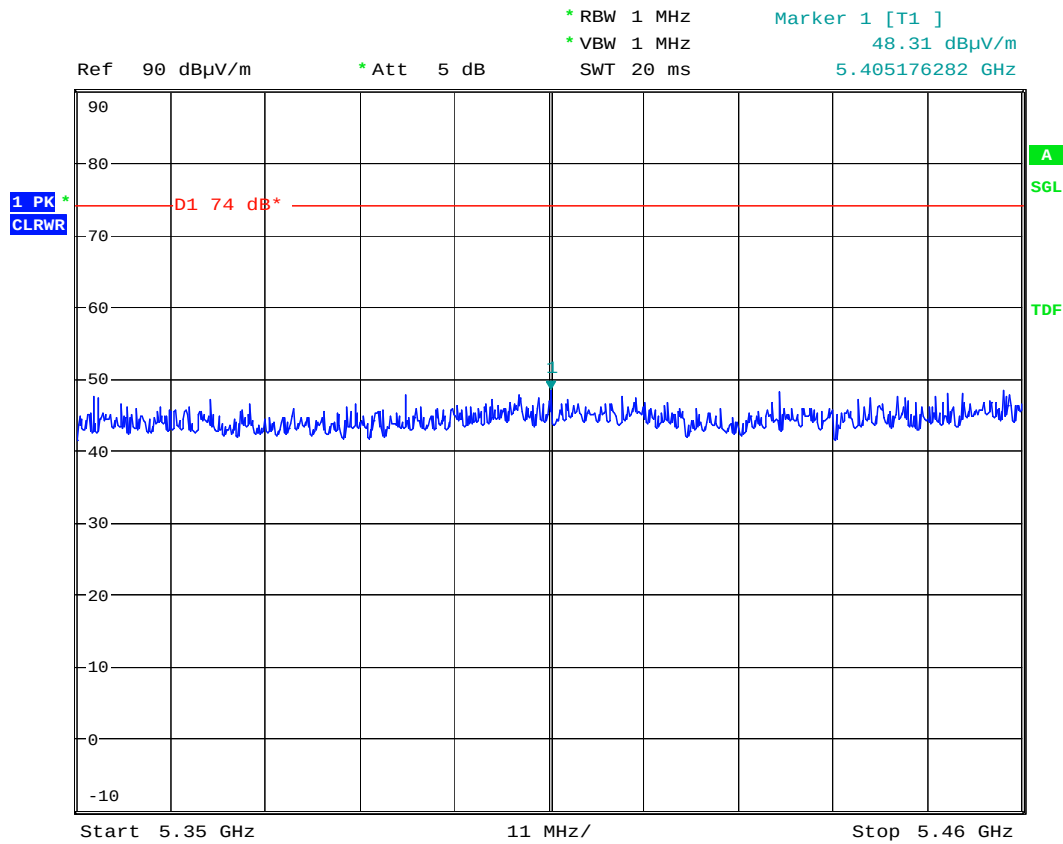
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 28dBi (Wireless Edge, MT-486001)

TX-channel: 5740MHz

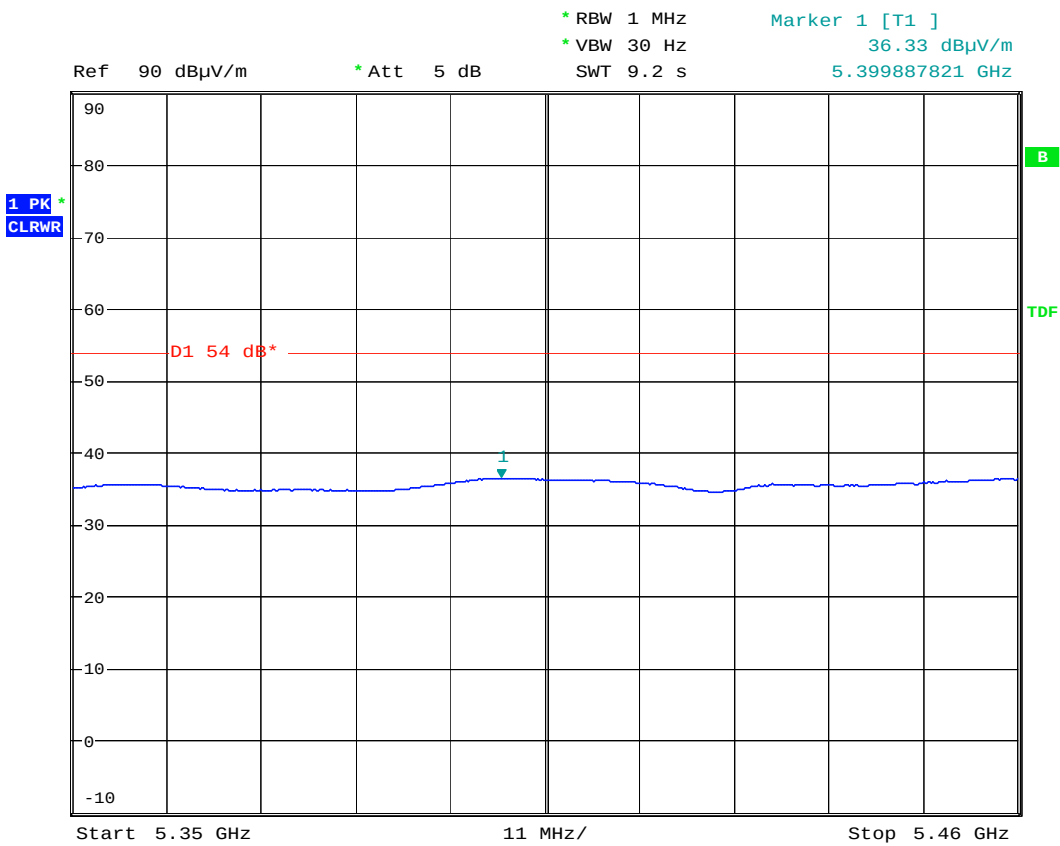
Peak Limit: 74 dB μ V/m

Date: 23.SEP.2007 20:44:15

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 28dBi (Wireless Edge, MT-486001)
TX-channel: 5835MHz
Average Limit: 54 dBμV/m

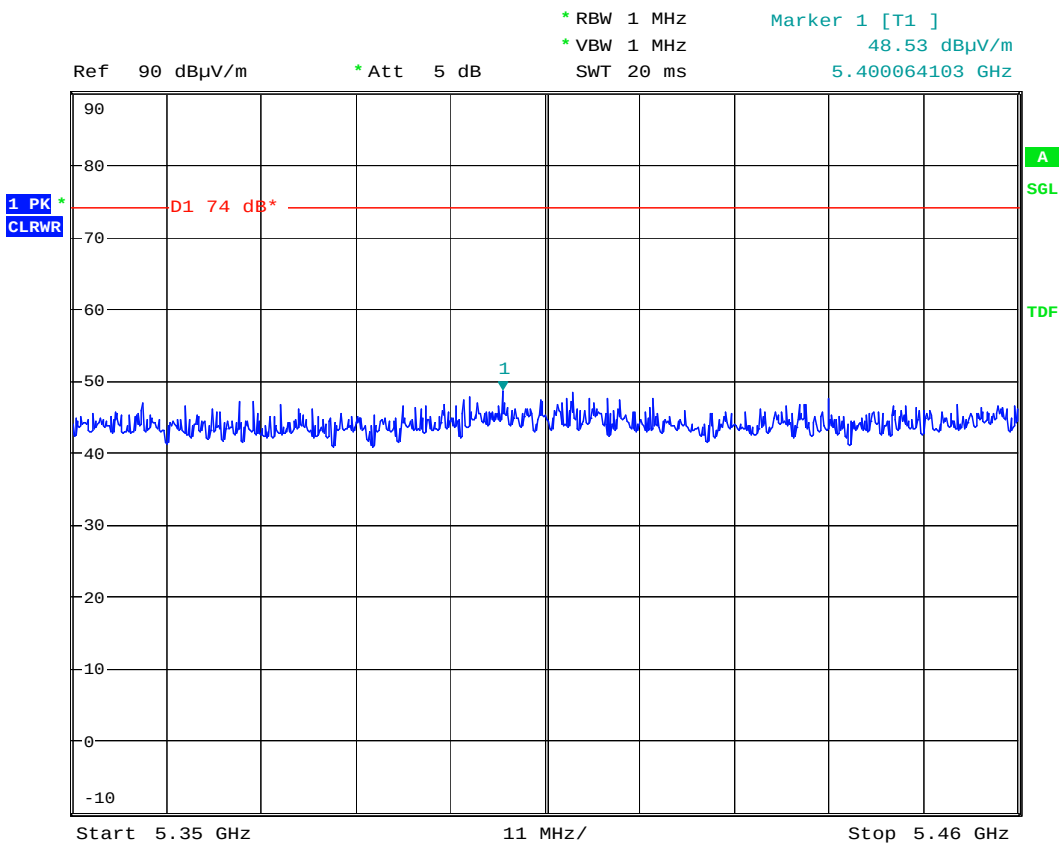


Date: 23.SEP.2007 20:48:22

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 28dBi (Wireless Edge, MT-486001)
TX-channel: 5835MHz
Peak Limit: 74 dBµV/m



Date: 23.SEP.2007 20:47:50

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

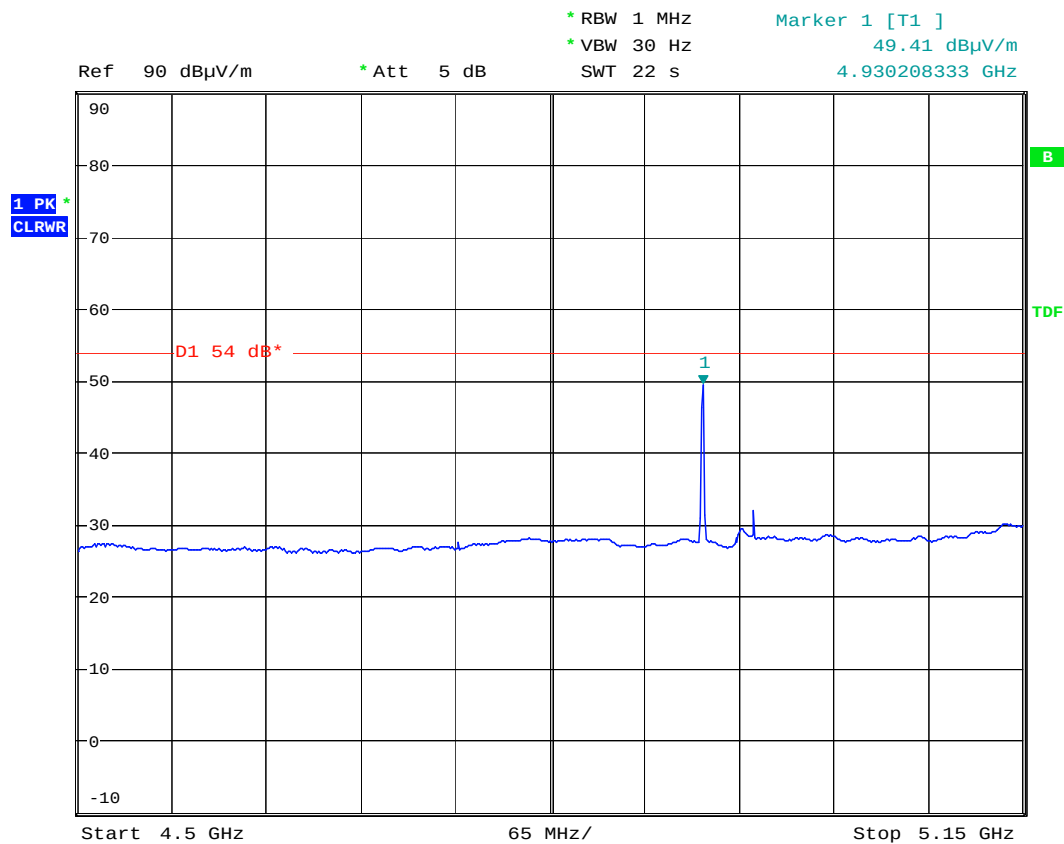
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 30dBi (Andrew, P2F-52-NEA)

TX-channel: 5740MHz

Average Limit: 54 dB μ V/m

Date: 23.SEP.2007 19:28:05

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

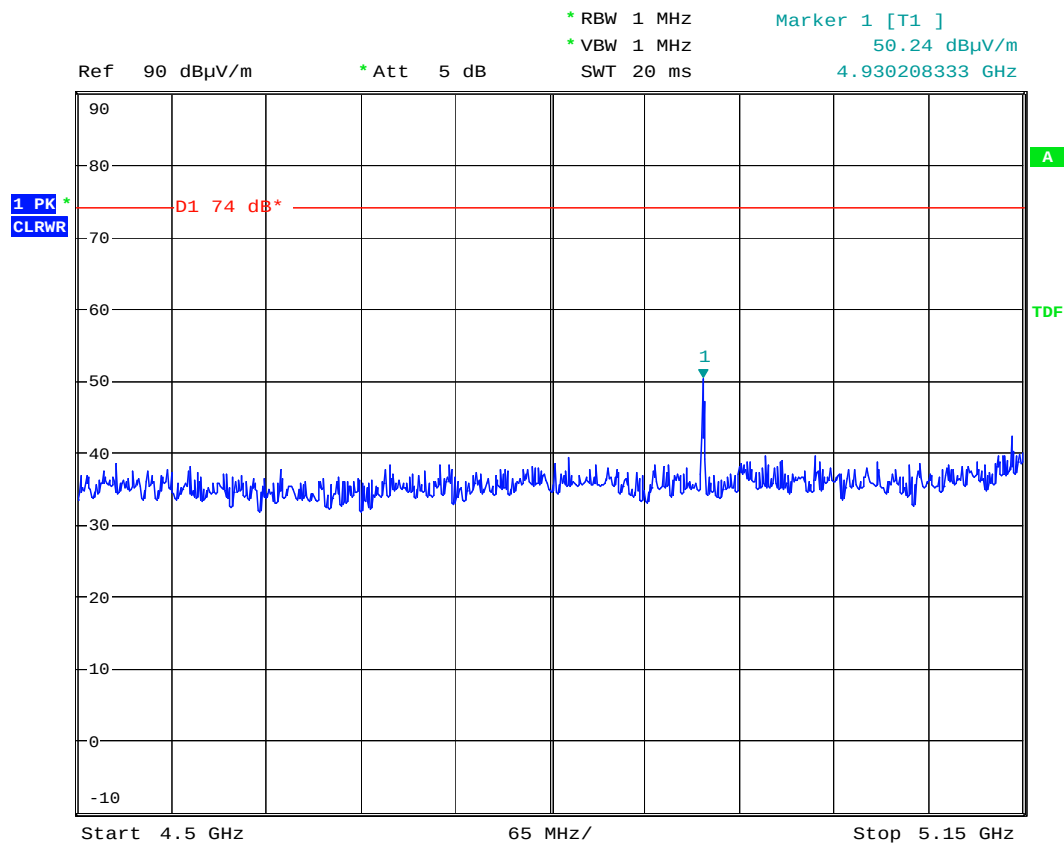
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 30dBi (Andrew, P2F-52-NEA)

TX-channel: 5740MHz

Peak Limit: 74 dB μ V/m

Date: 23.SEP.2007 19:28:40

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

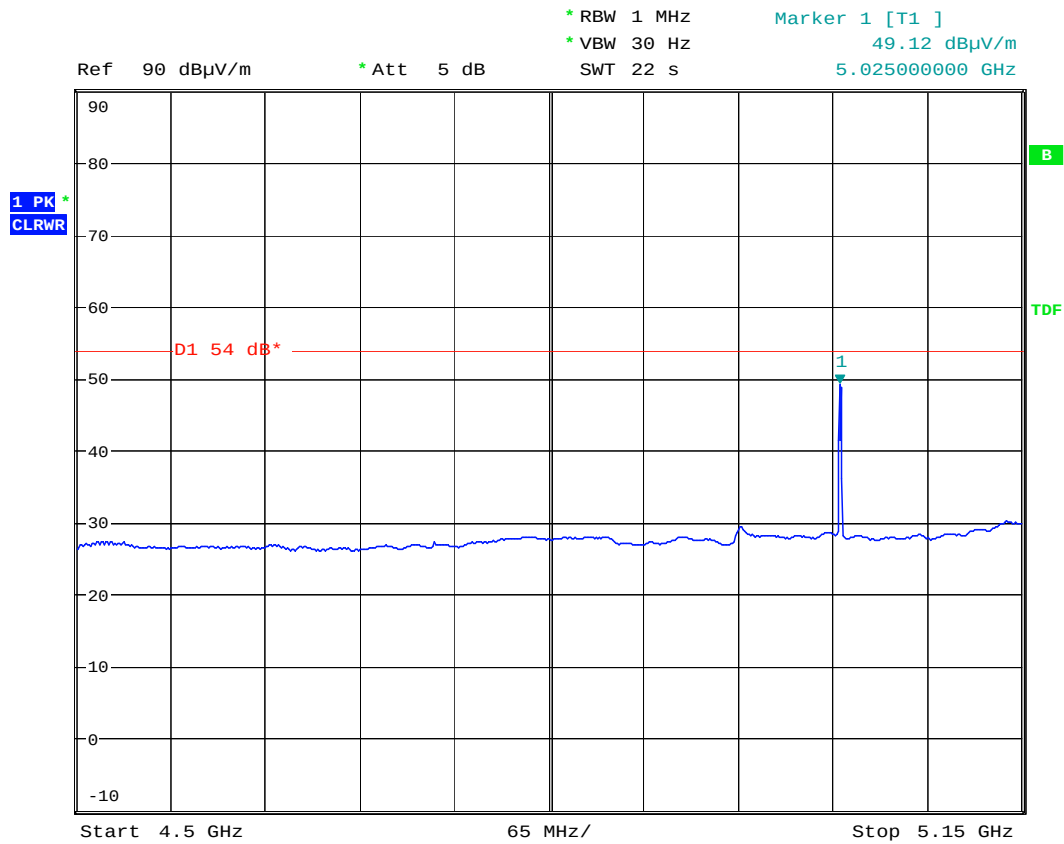
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 30dBi (Andrew, P2F-52-NEA)

TX-channel: 5835MHz

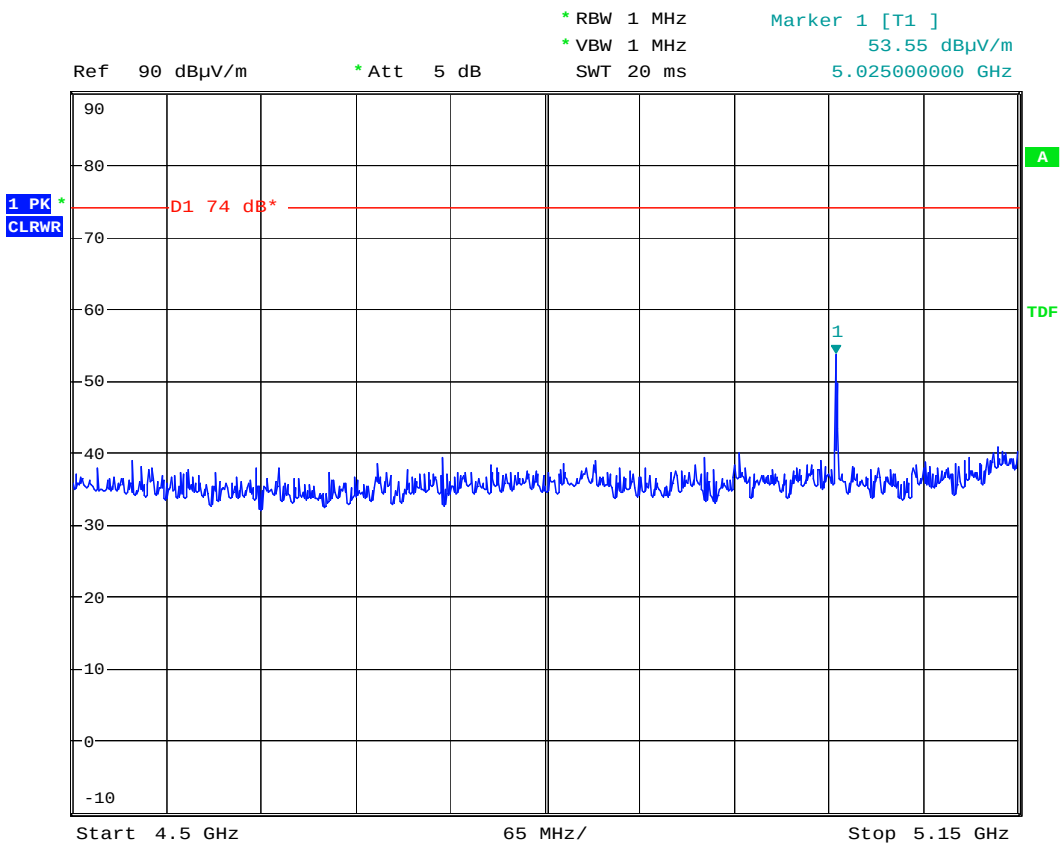
Average Limit: 54 dB μ V/m

Date: 23.SEP.2007 19:36:15

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz
TX Channel Bandwidth: 20 MHz
Antenna Gain: 30dBi (Andrew, P2F-52-NEA)
TX-channel: 5835MHz
Peak Limit: 74 dBµV/m



Date: 23.SEP.2007 19:37:26

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

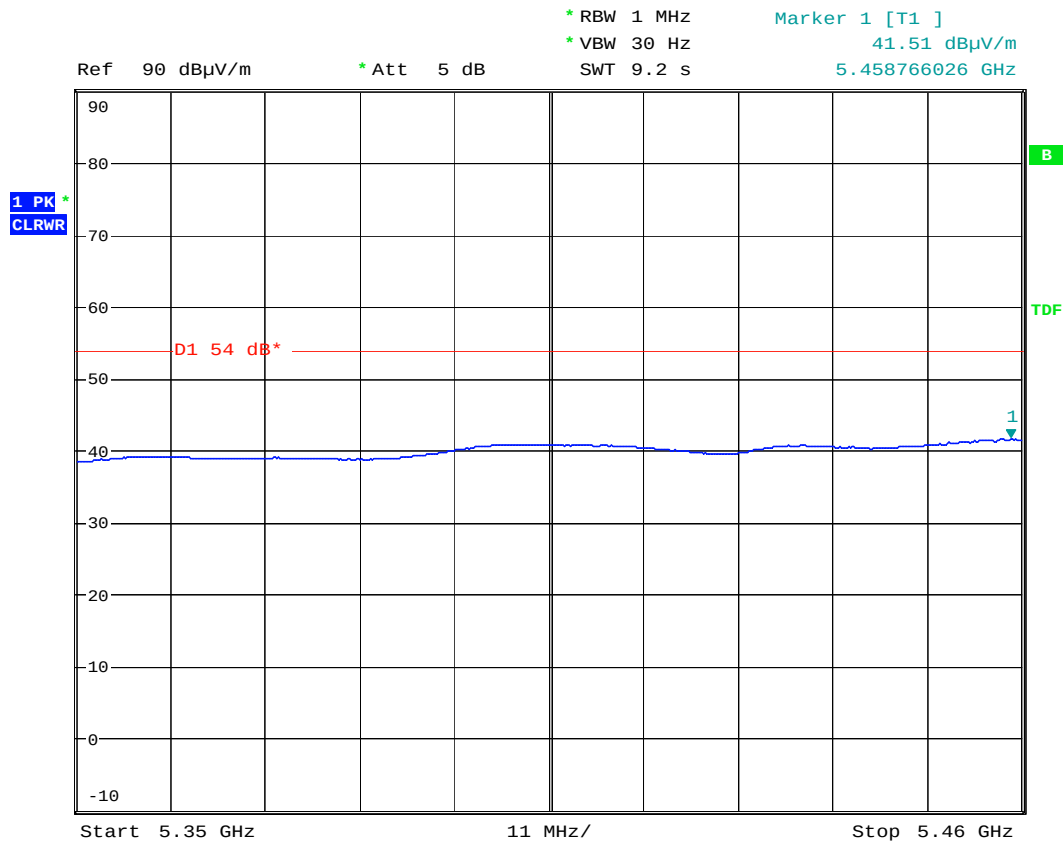
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 30dBi (Andrew, P2F-52-NEA)

TX-channel: 5740MHz

Average Limit: 54 dB μ V/m

Date: 23.SEP.2007 19:30:02

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

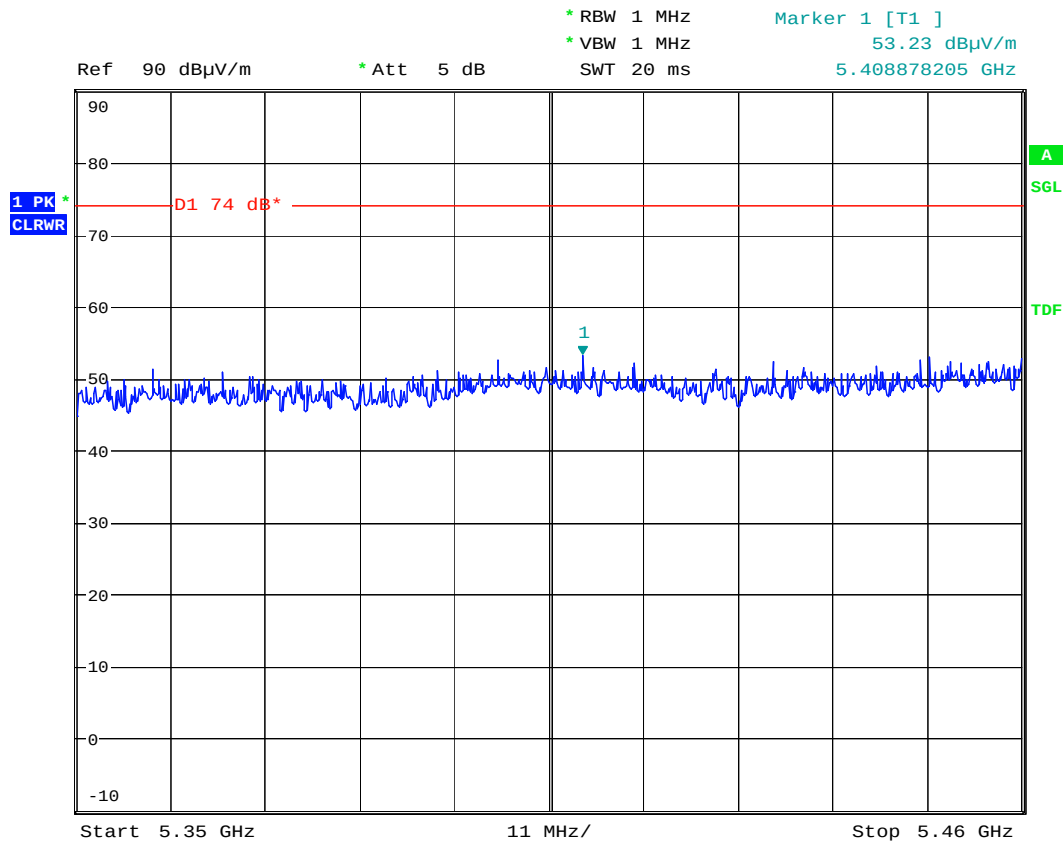
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 30dBi (Andrew, P2F-52-NEA)

TX-channel: 5740MHz

Peak Limit: 74 dB μ V/m

Date: 23.SEP.2007 19:31:24

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

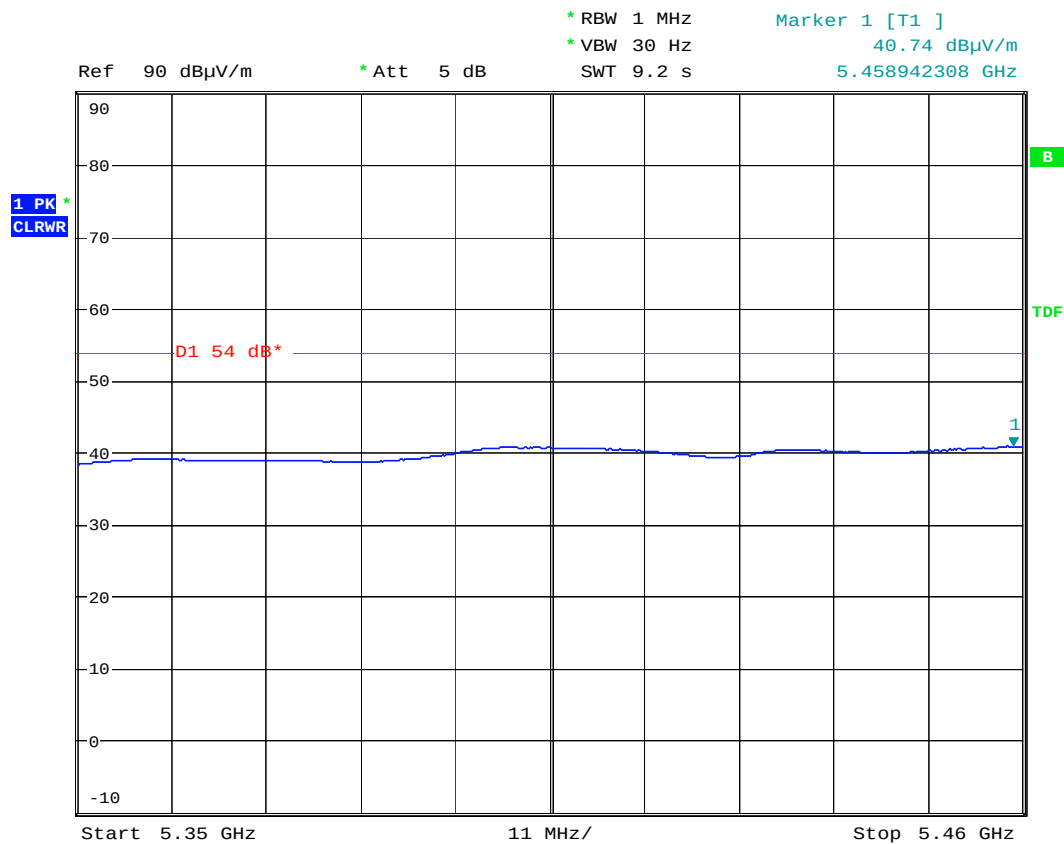
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 30dBi (Andrew, P2F-52-NEA)

TX-channel: 5835MHz

Average Limit: 54 dB μ V/m

Date: 23.SEP.2007 19:39:30

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

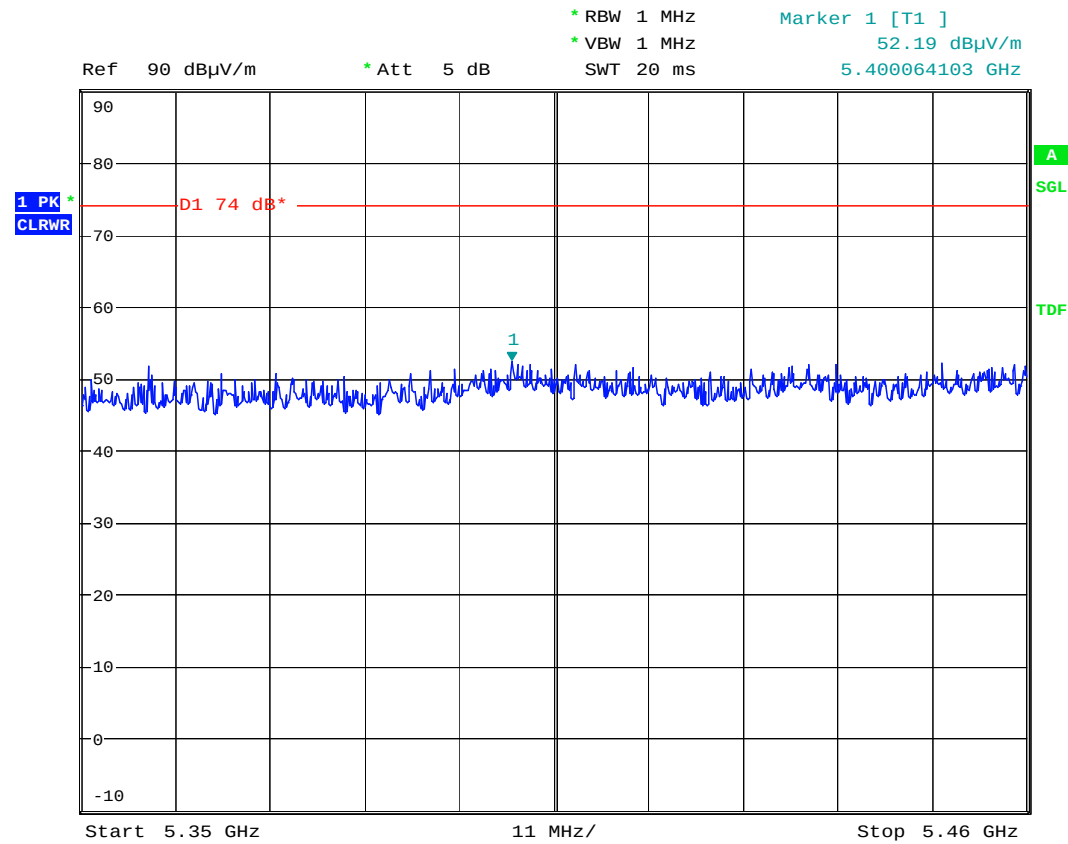
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 20 MHz

Antenna Gain: 30dBi (Andrew, P2F-52-NEA)

TX-channel: 5835MHz

Peak Limit: 74 dB μ V/m

Date: 23.SEP.2007 19:38:30

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.

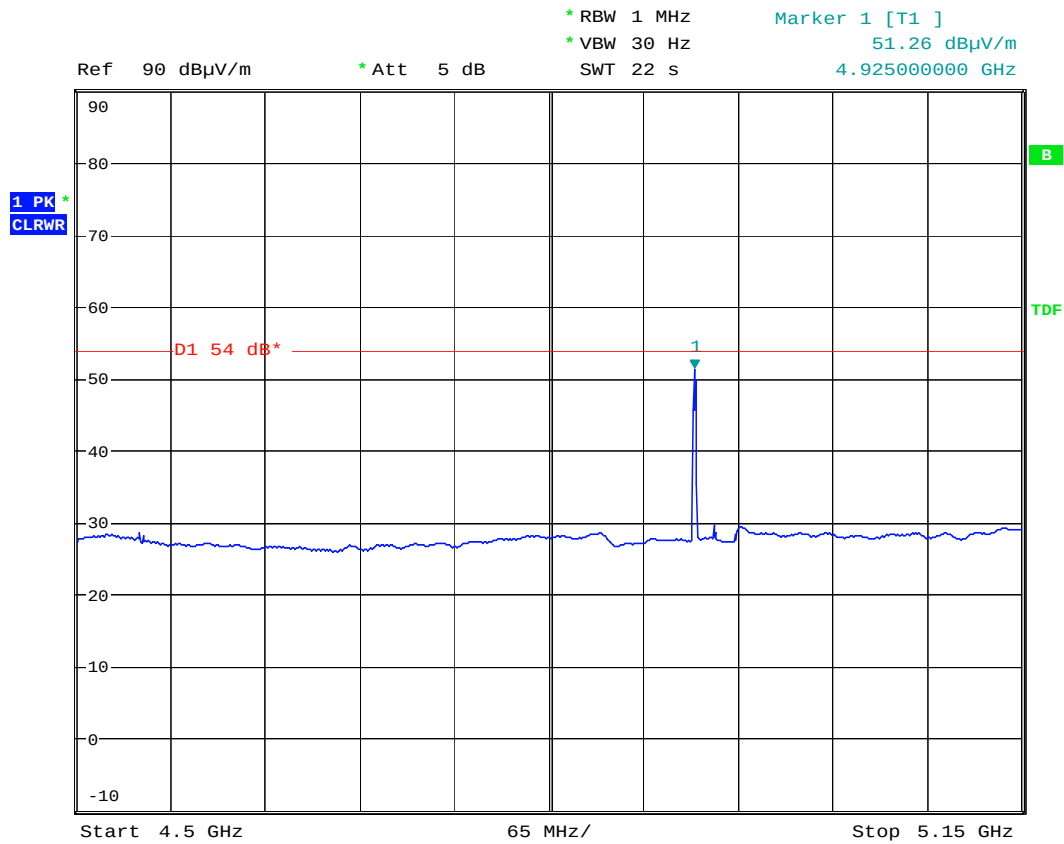
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)

TX-channel: 5735MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 16:04:10

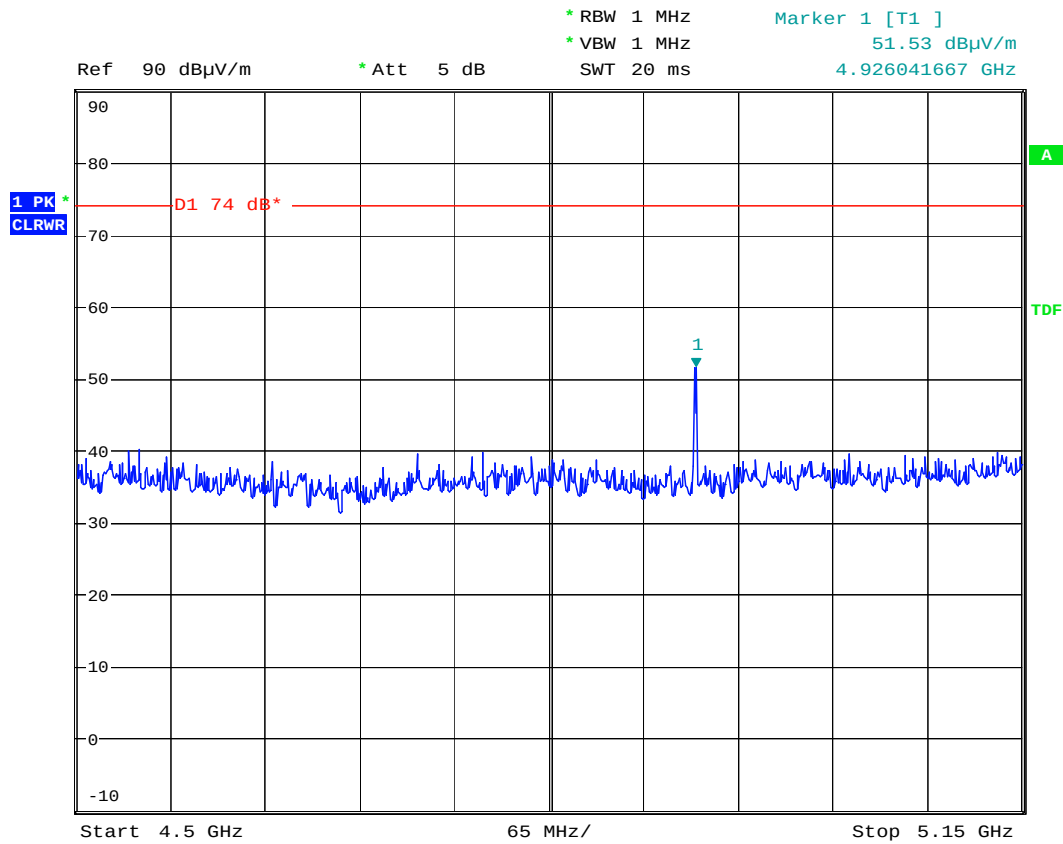
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)

TX-channel: 5735MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 16:04:55

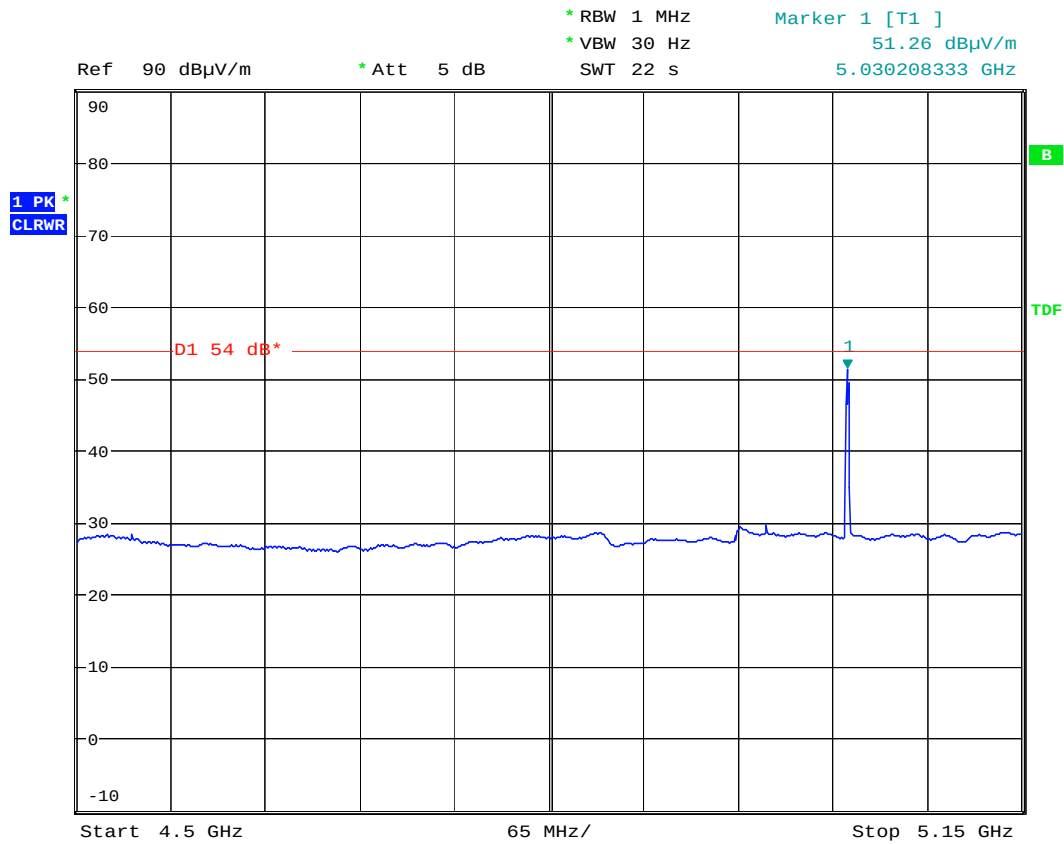
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)

TX-channel: 5840MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 16:15:03

Radiated Emissions within Restricted Bands, continued

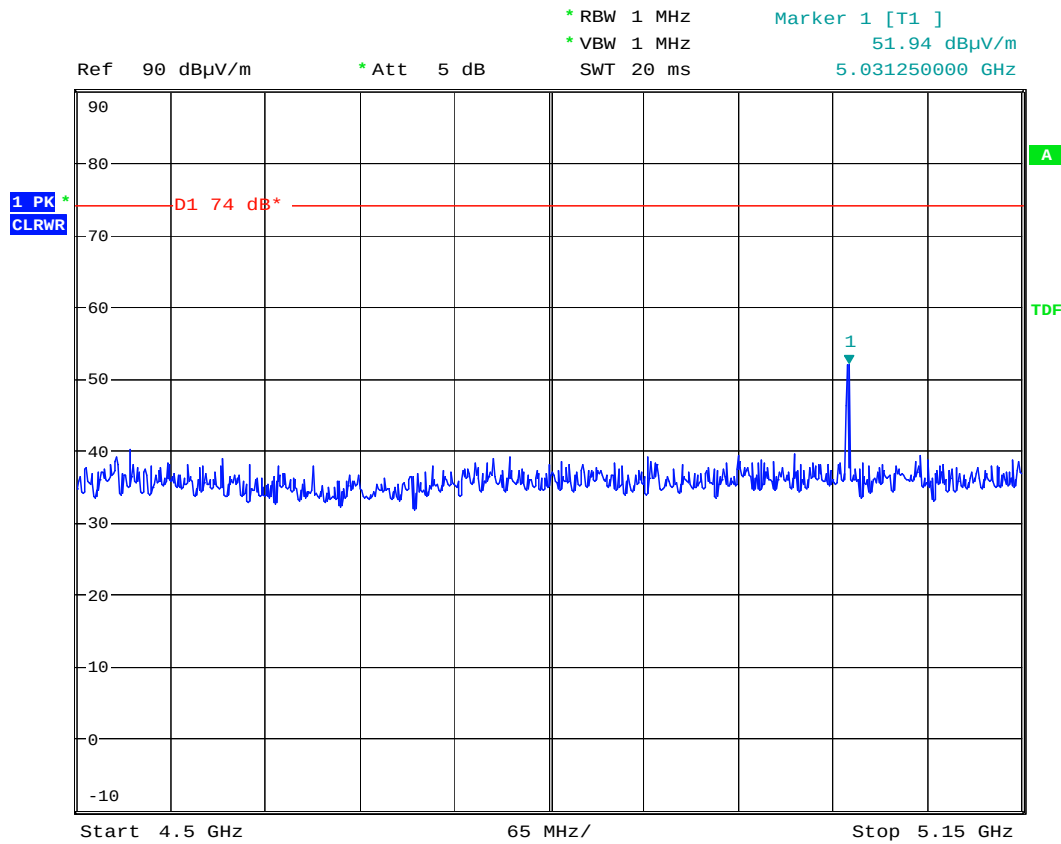
Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)

TX-channel: 5840MHz

Peak Limit: 74 dBμV/m



Date: 24.SEP.2007 16:16:04

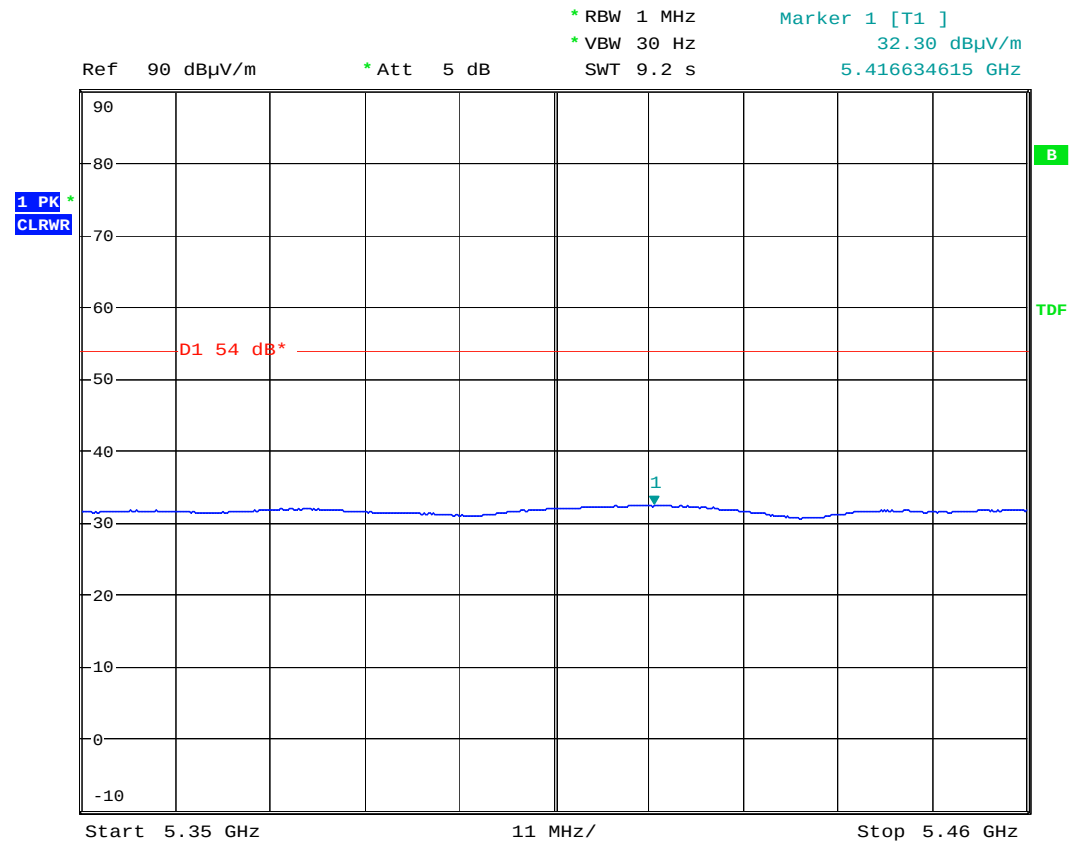
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)

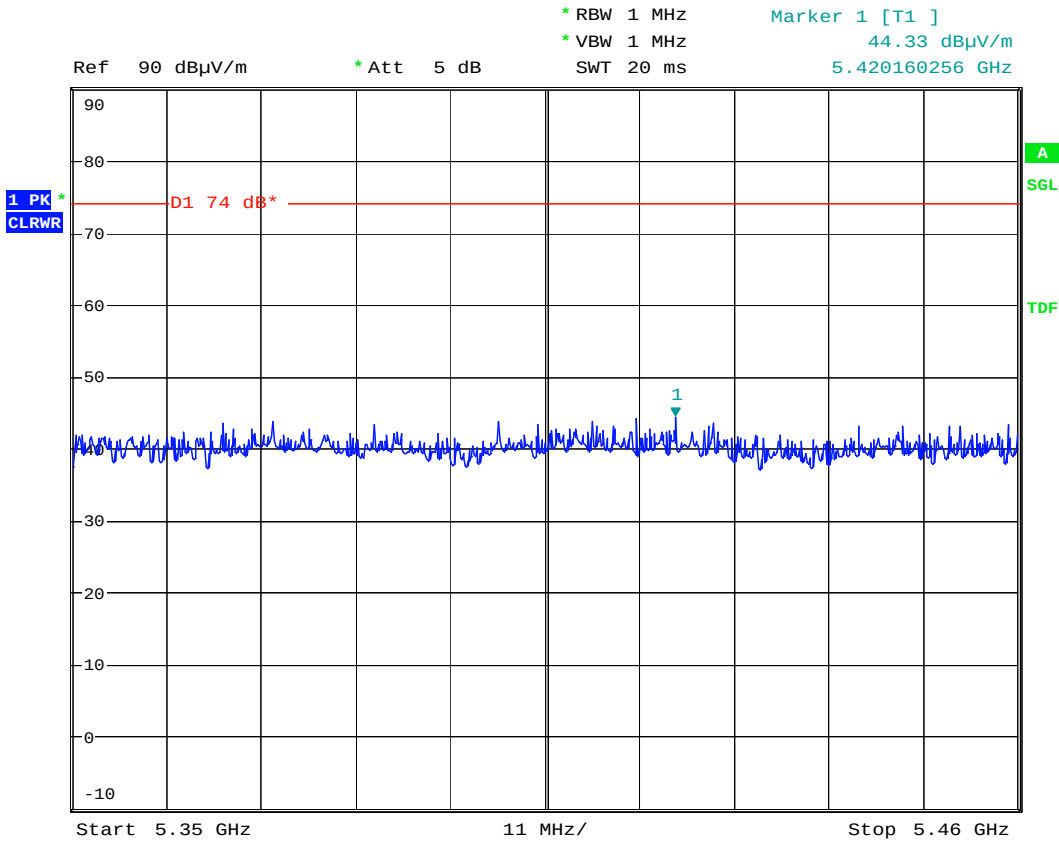
TX-channel: 5735MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 16:06:52

Radiated Emissions within Restricted Bands, continued

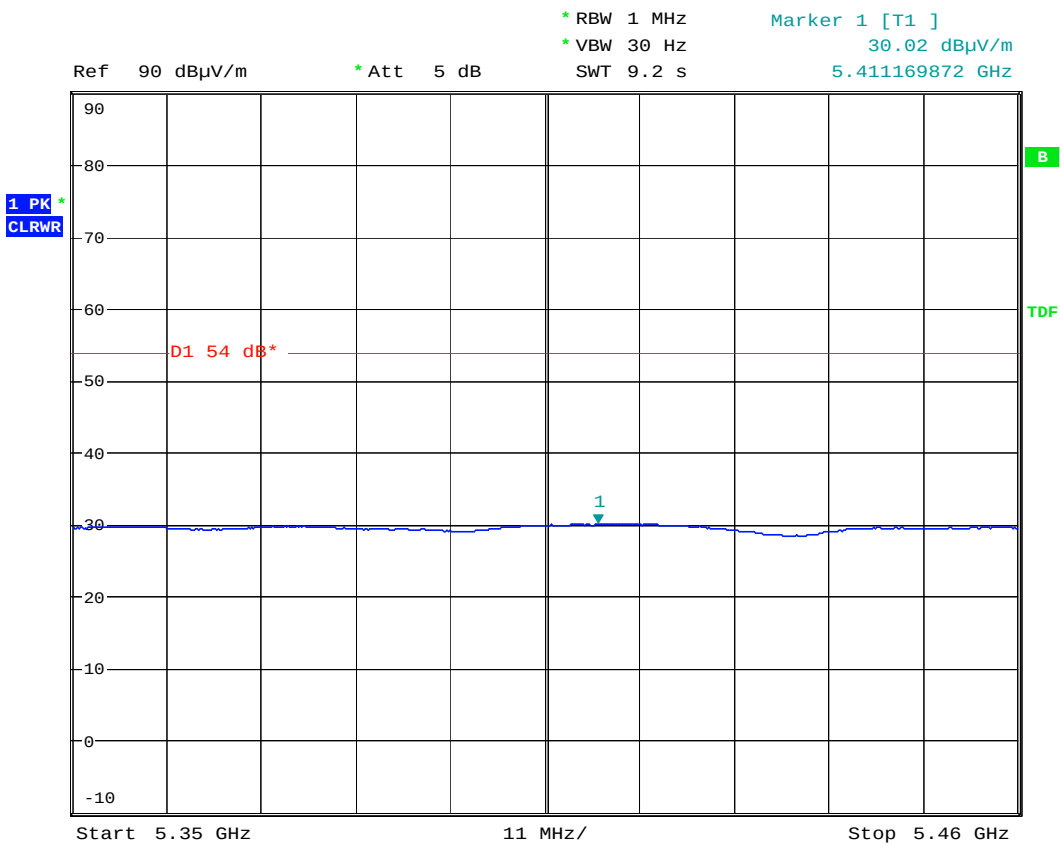
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 10 MHz
Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)
TX-channel: 5735MHz
Peak Limit: 74 dBµV/m



Date: 24.SEP.2007 16:08:22

Radiated Emissions within Restricted Bands, continued

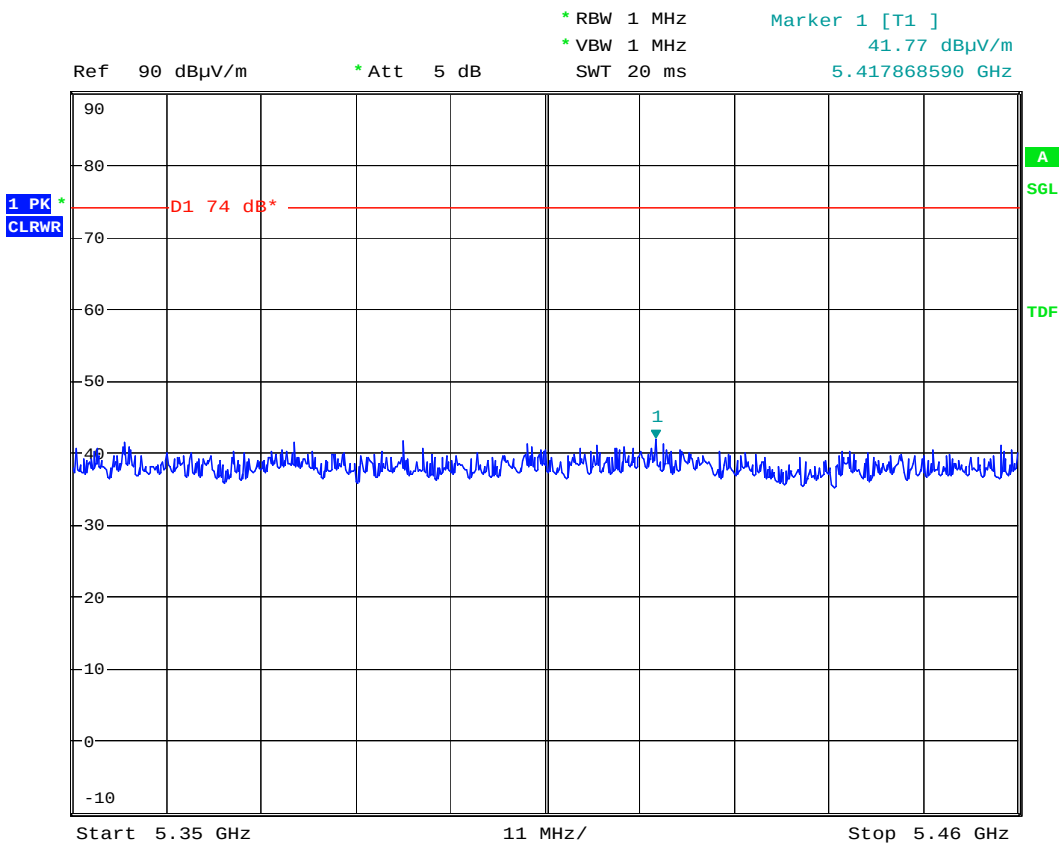
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 10 MHz
Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)
TX-channel: 5840MHz
Average Limit: 54 dBµV/m



Date: 24.SEP.2007 16:13:01

Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 10 MHz
Antenna Gain: 10dBi (Wireless Edge, MT-482003/N)
TX-channel: 5840MHz
Peak Limit: 74 dBµV/m



Date: 24.SEP.2007 16:12:02

Radiated Emissions within Restricted Bands, continued

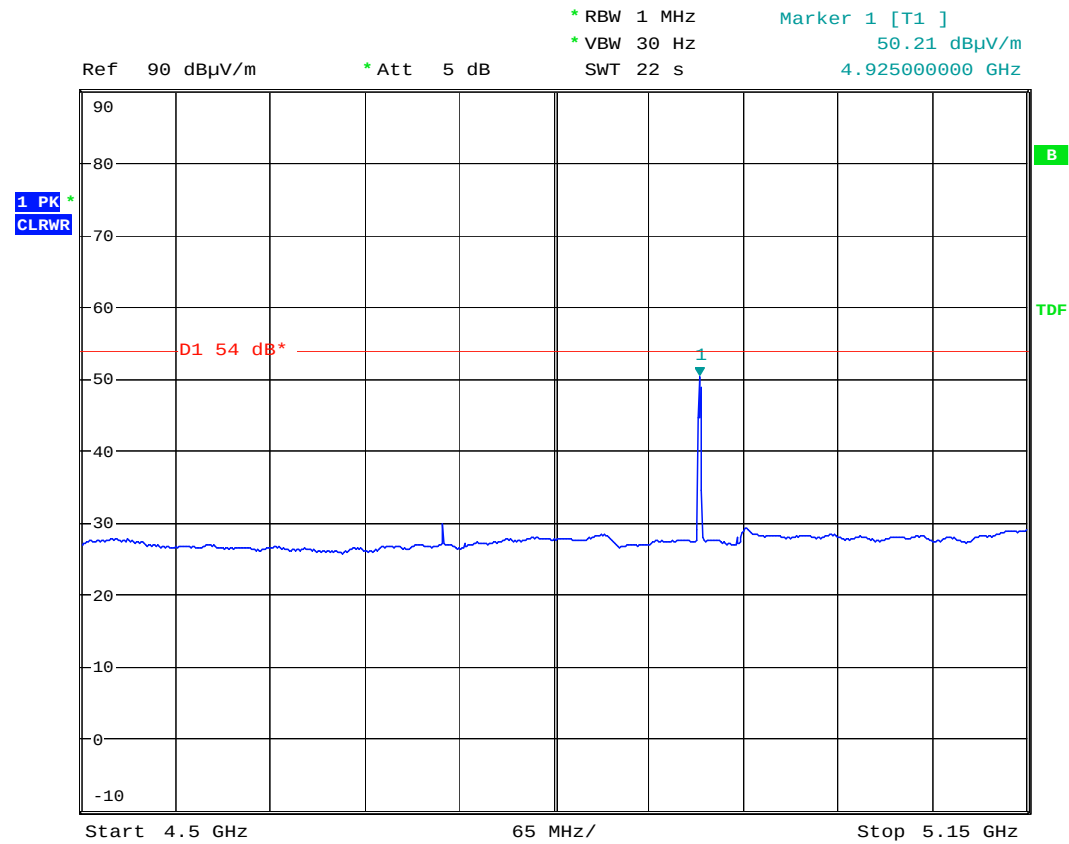
Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 10dBi (MAXRAD, MMO58010NF)

TX-channel: 5735MHz

Average Limit: 54 dBμV/m



Date: 24.SEP.2007 17:18:55

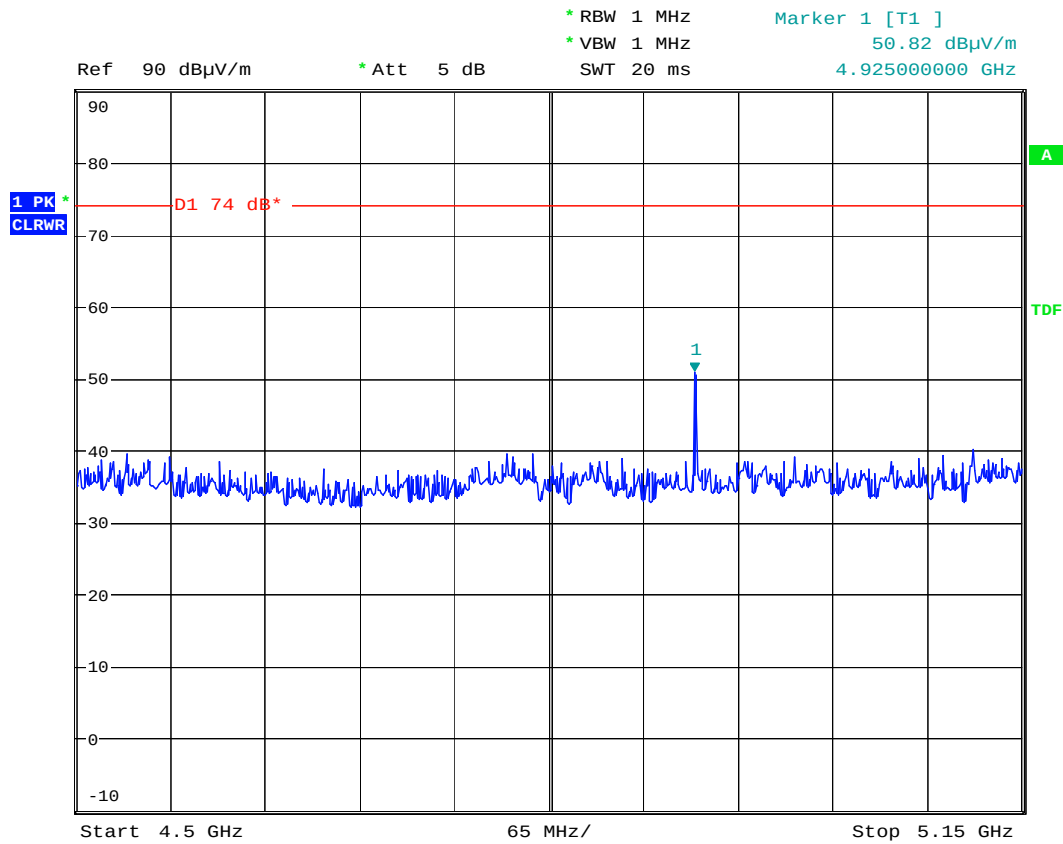
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 10dBi (MAXRAD, MMO58010NF)

TX-channel: 5735MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 17:19:36

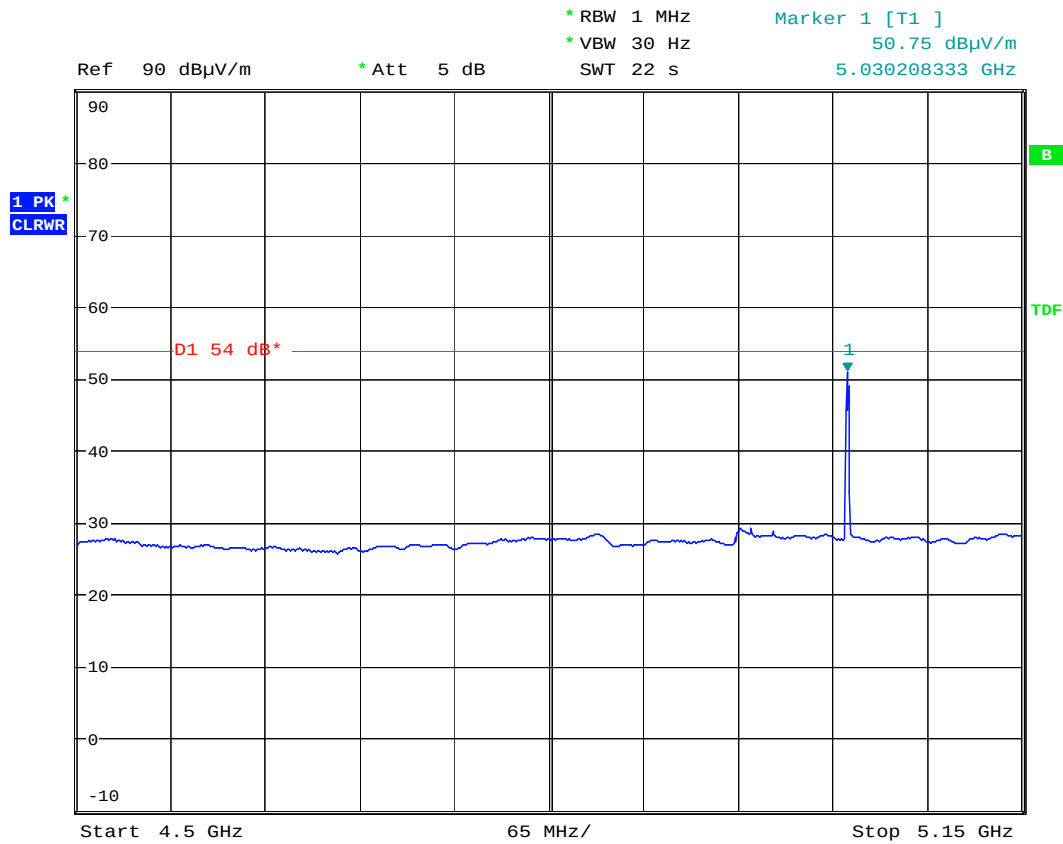
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 10dBi (MAXRAD, MMO58010NF)

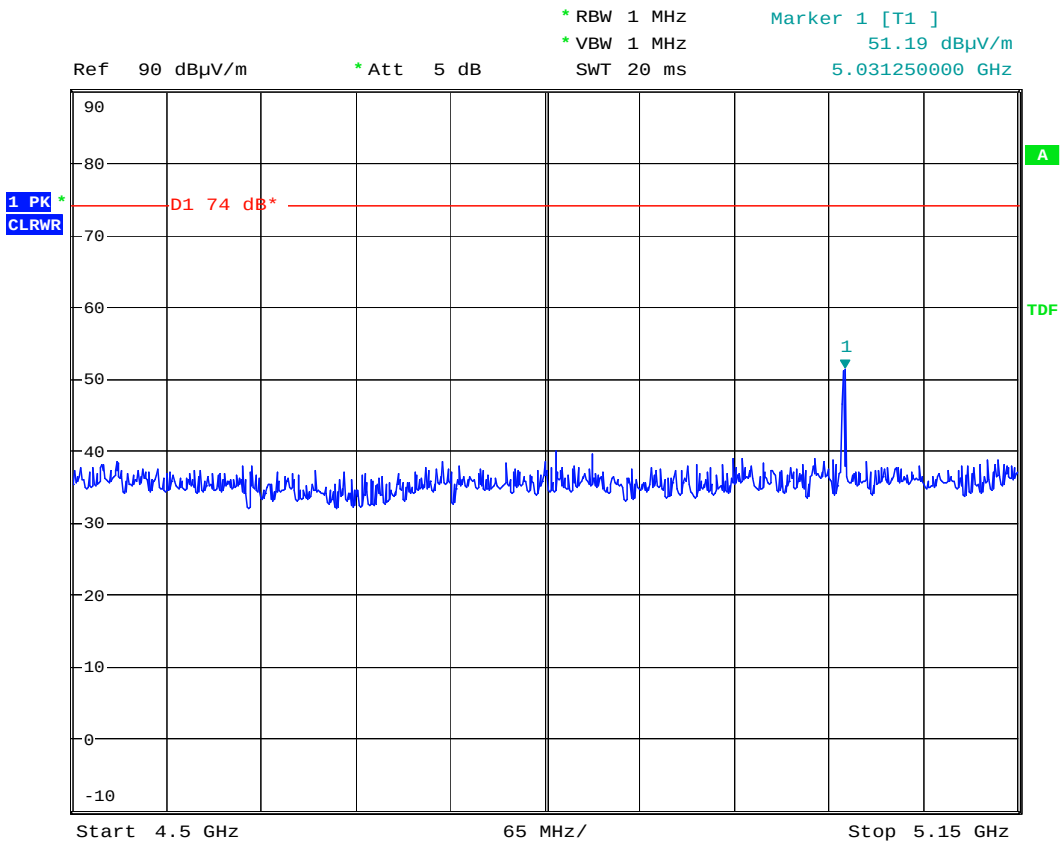
TX-channel: 5840MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 17:31:49

Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz
TX Channel Bandwidth: 10 MHz
Antenna Gain: 10dBi (MAXRAD, MMO58010NF)
TX-channel: 5840MHz
Peak Limit: 74 dBμV/m



Date: 24.SEP.2007 17:32:28

Radiated Emissions within Restricted Bands, continued

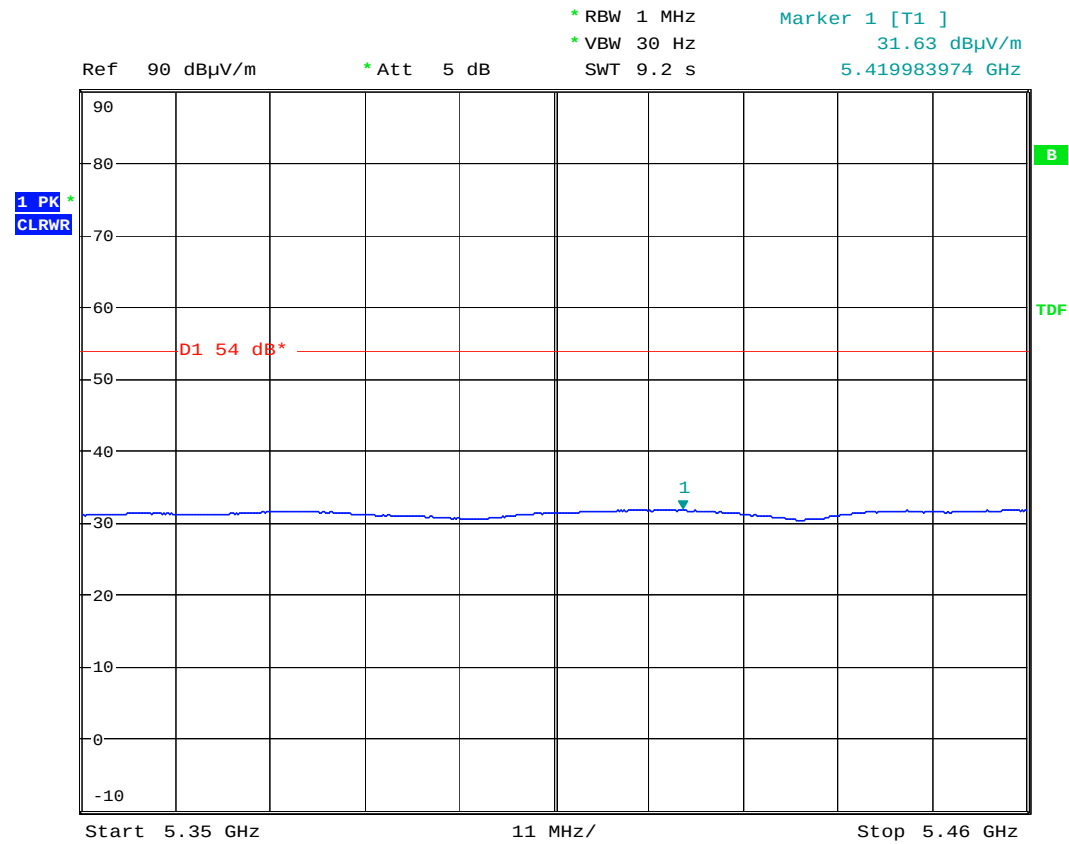
Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 10dBi (MAXRAD, MMO58010NF)

TX-channel: 5735MHz

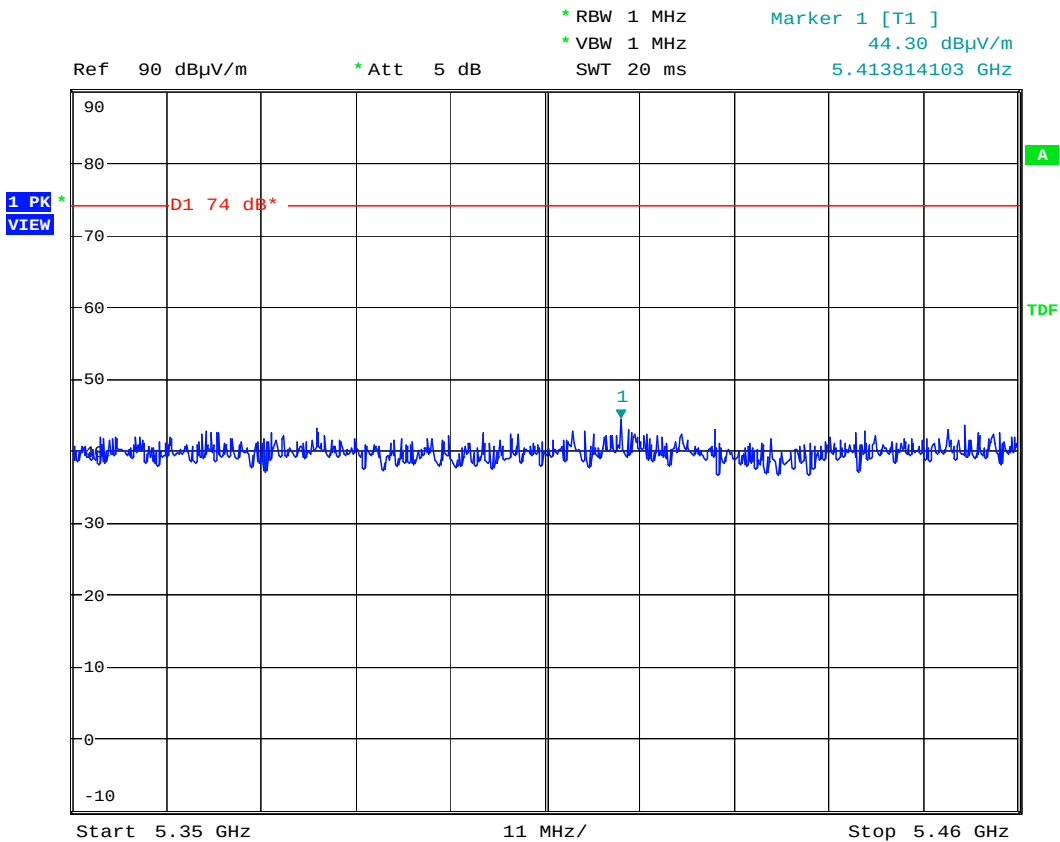
Average Limit: 54 dBμV/m



Date: 24.SEP.2007 17:20:42

Radiated Emissions within Restricted Bands, continued

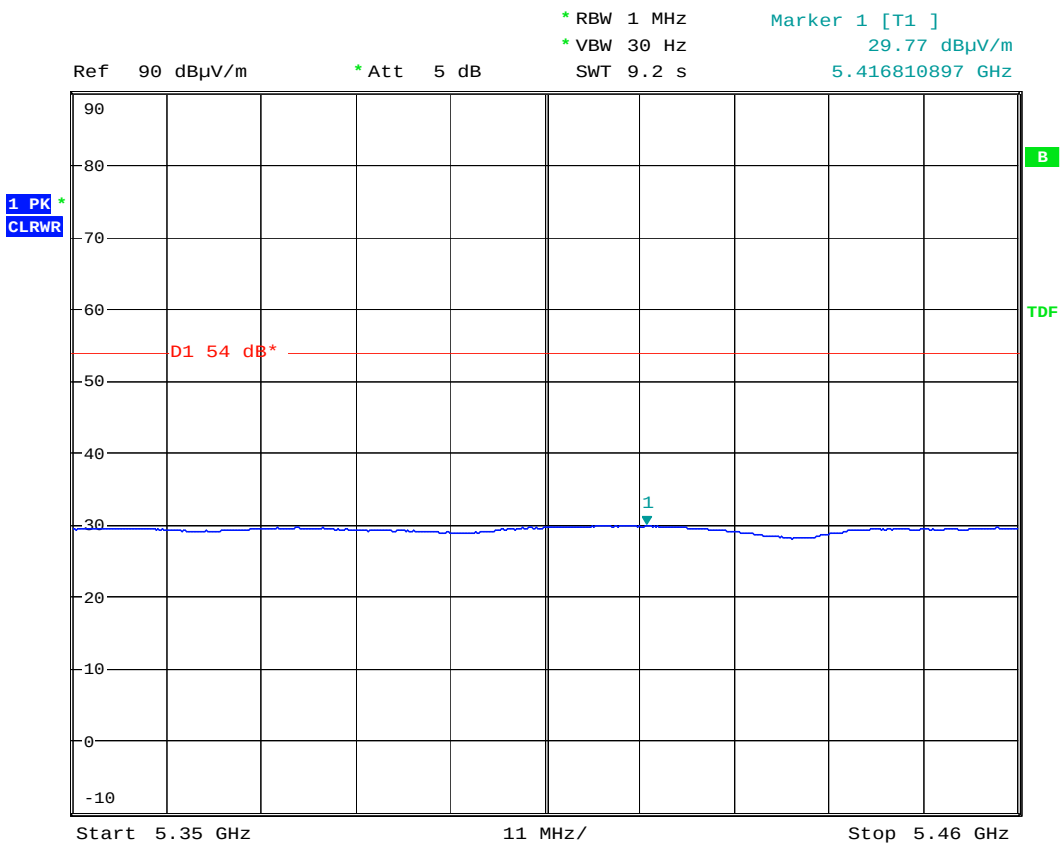
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 10 MHz
Antenna Gain: 10dBi (MAXRAD, MMO58010NF)
TX-channel: 5735MHz
Peak Limit: 74 dBµV/m



Date: 24.SEP.2007 17:22:15

Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 10 MHz
Antenna Gain: 10dBi (MAXRAD, MMO58010NF)
TX-channel: 5840MHz
Average Limit: 54 dBμV/m



Date: 24.SEP.2007 17:30:53

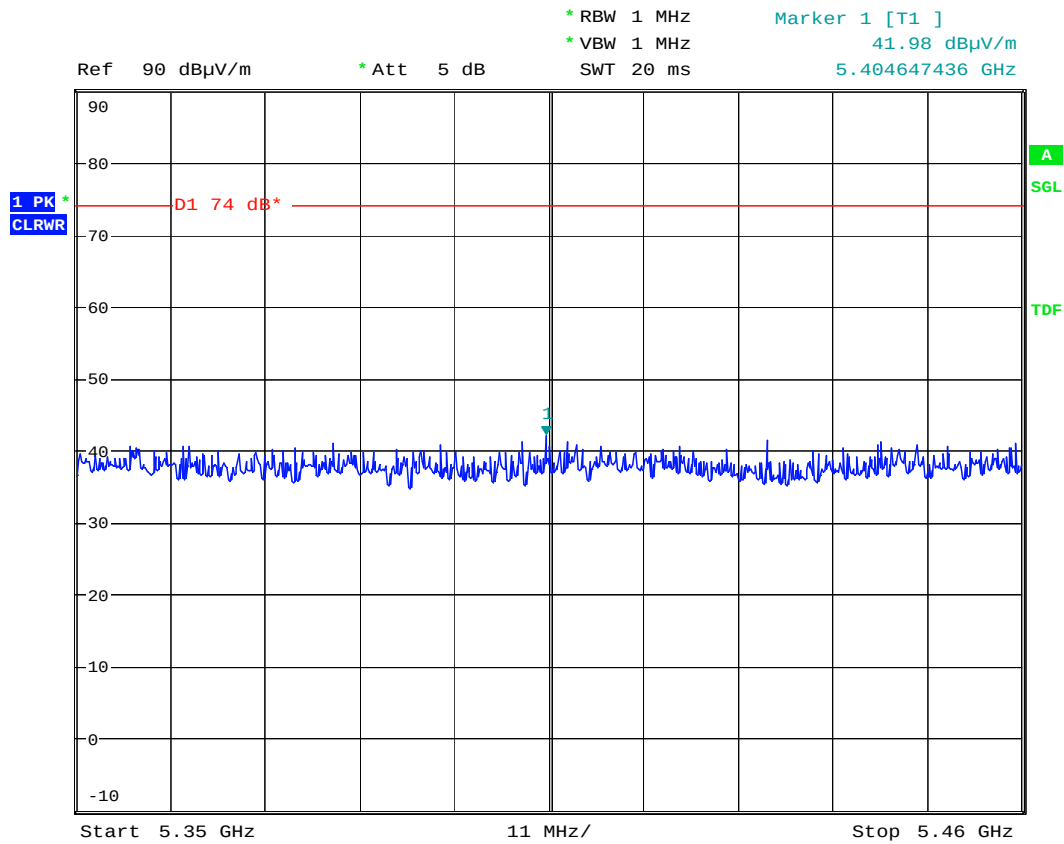
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 10dBi (MAXRAD, MMO58010NF)

TX-channel: 5840MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 17:28:43

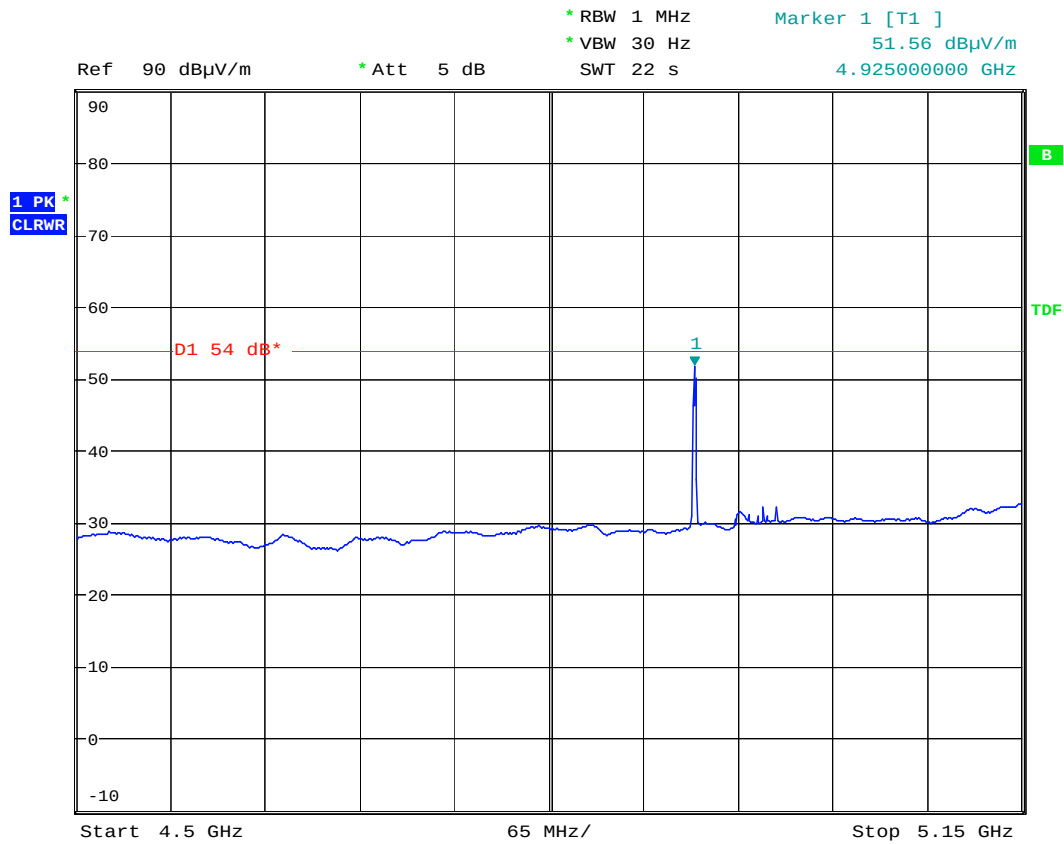
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 10.5dBi and 15dBi (BELAIR)

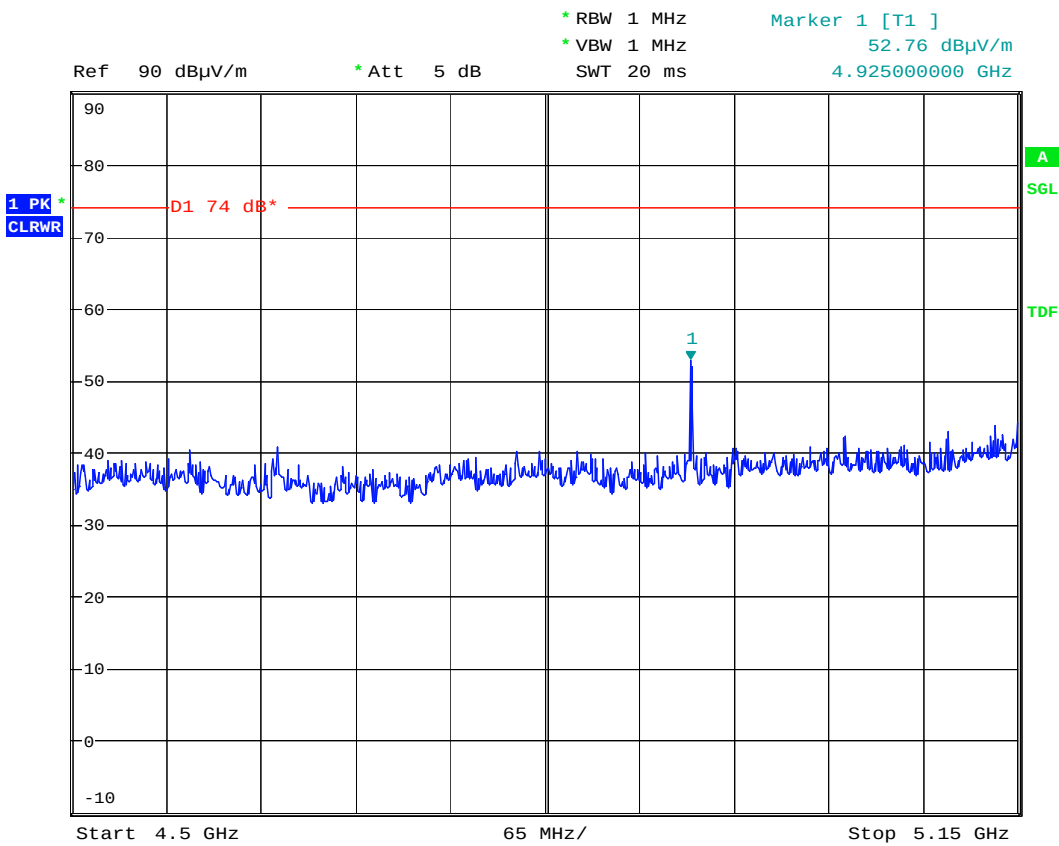
TX-channel: 5735MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 11:39:20

Radiated Emissions within Restricted Bands, continued

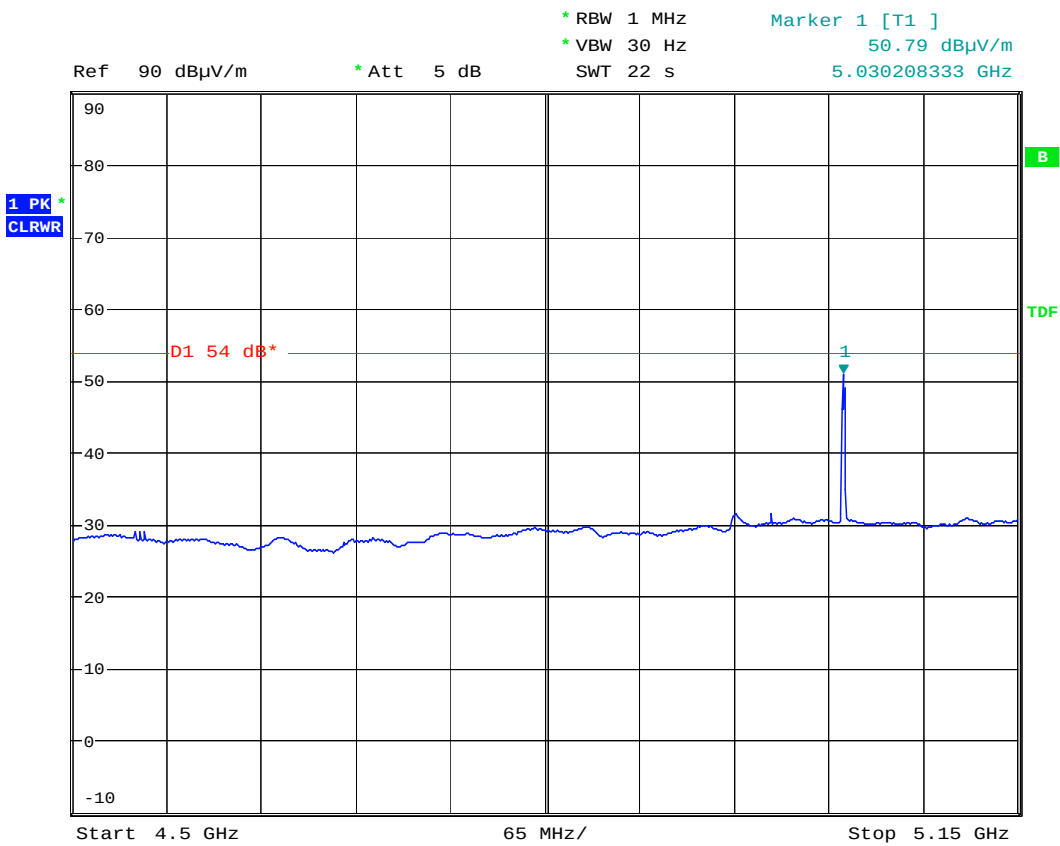
Restricted Band: 4.5 – 5.15 GHz
TX Channel Bandwidth: 10 MHz
Antenna Gain: 10.5dBi and 15dBi (BELAIR)
TX-channel: 5735MHz
Peak Limit: 74 dBμV/m



Date: 24.SEP.2007 11:40:53

Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz
TX Channel Bandwidth: 10 MHz
Antenna Gain: 10.5dBi and 15dBi (BELAIR)
TX-channel: 5840MHz
Average Limit: 54 dBµV/m



Date: 24.SEP.2007 11:52:31

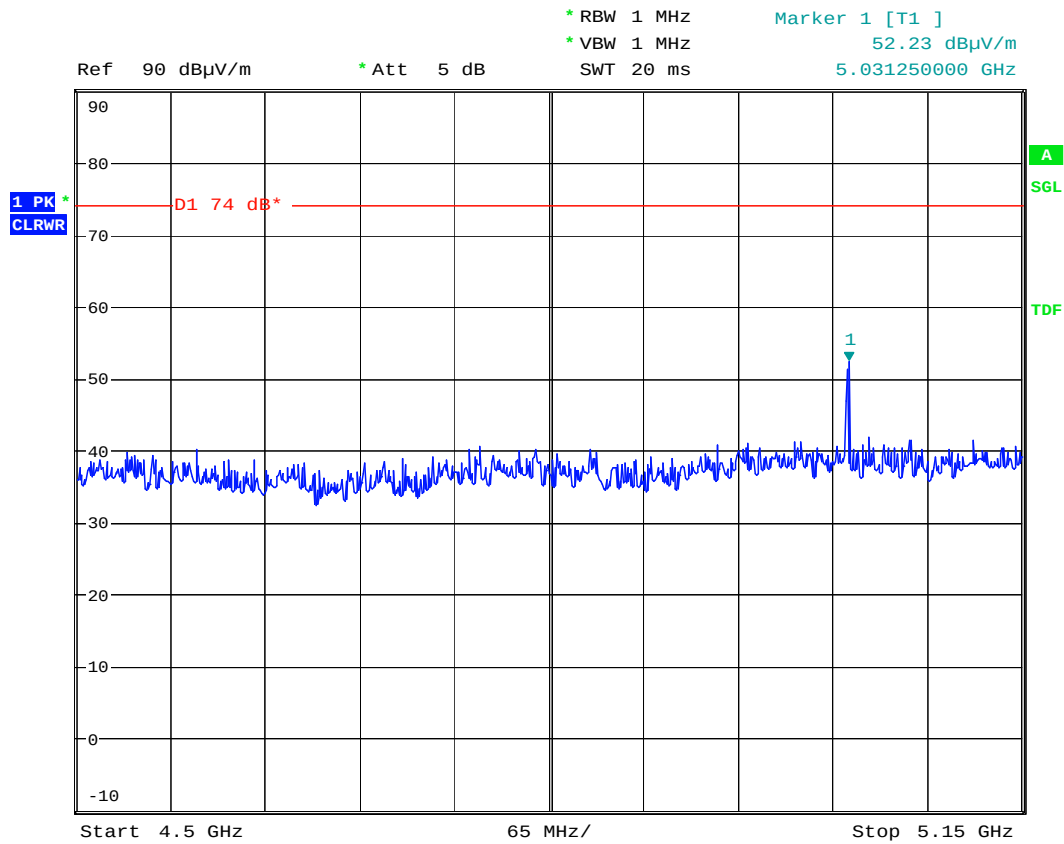
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 10.5dBi and 15dBi (BELAIR)

TX-channel: 5840MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 11:54:29

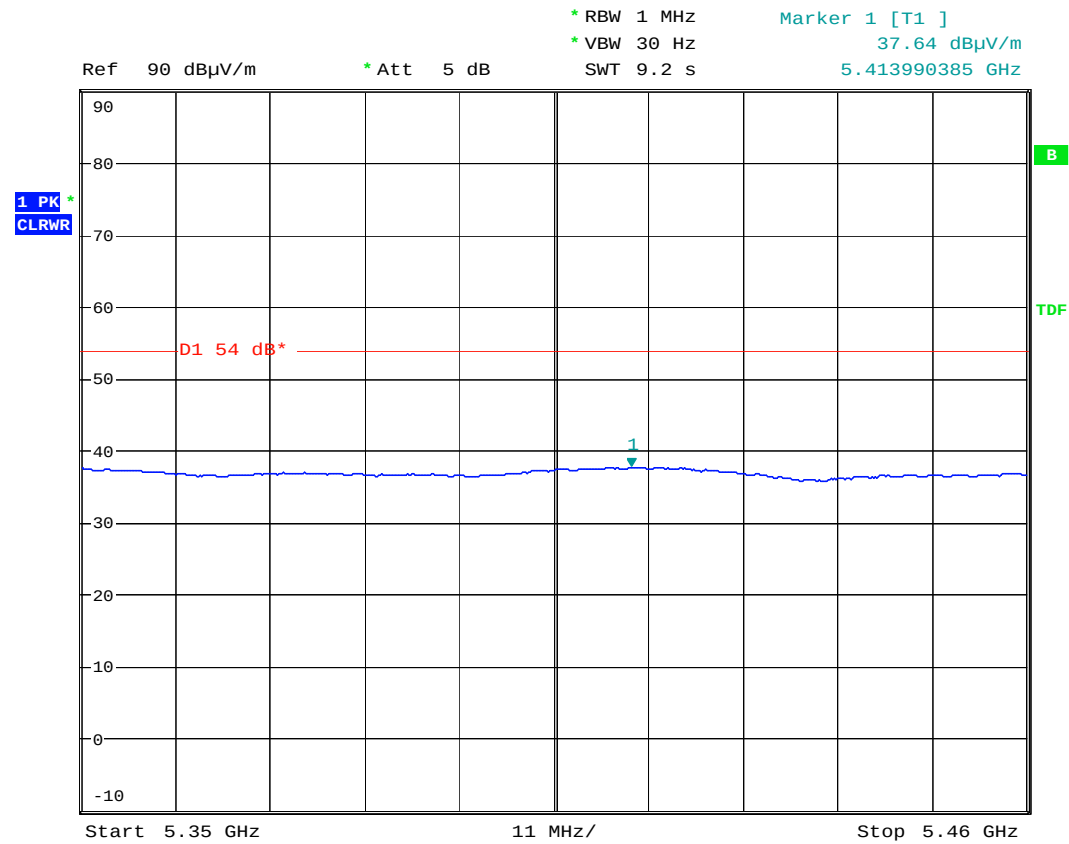
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 10.5dBi and 15dBi (BELAIR)

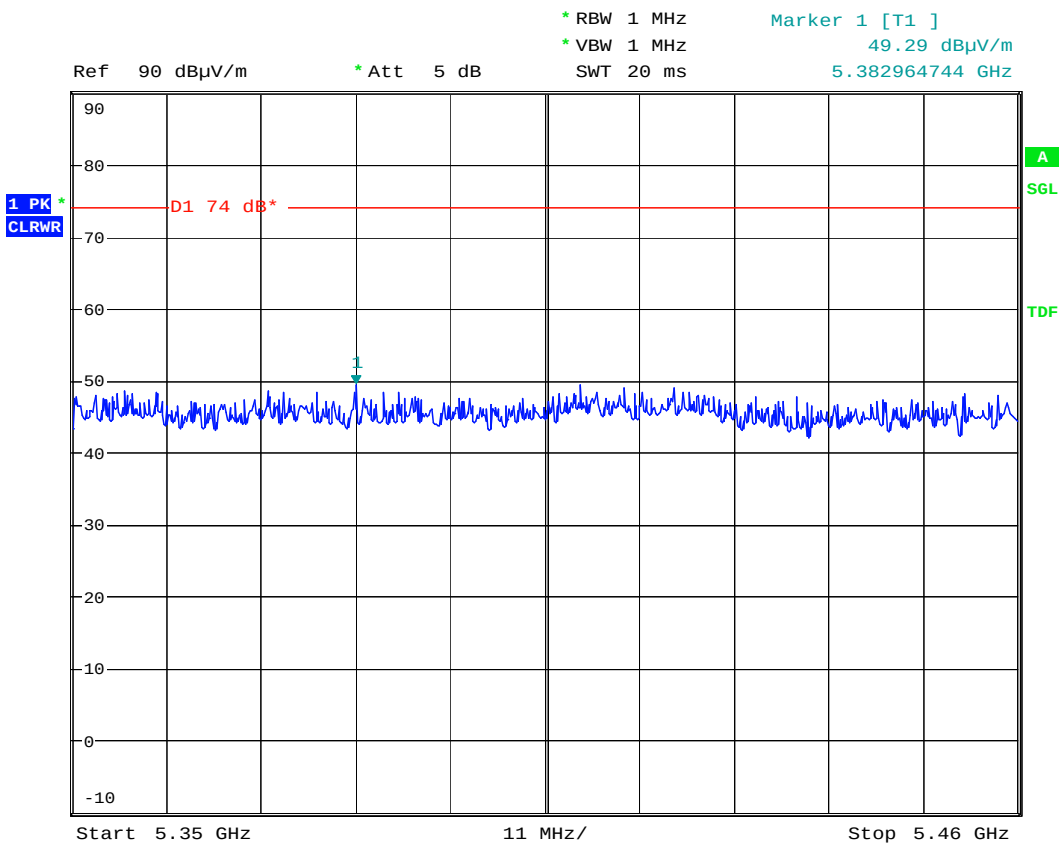
TX-channel: 5735MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 11:41:56

Radiated Emissions within Restricted Bands, continued

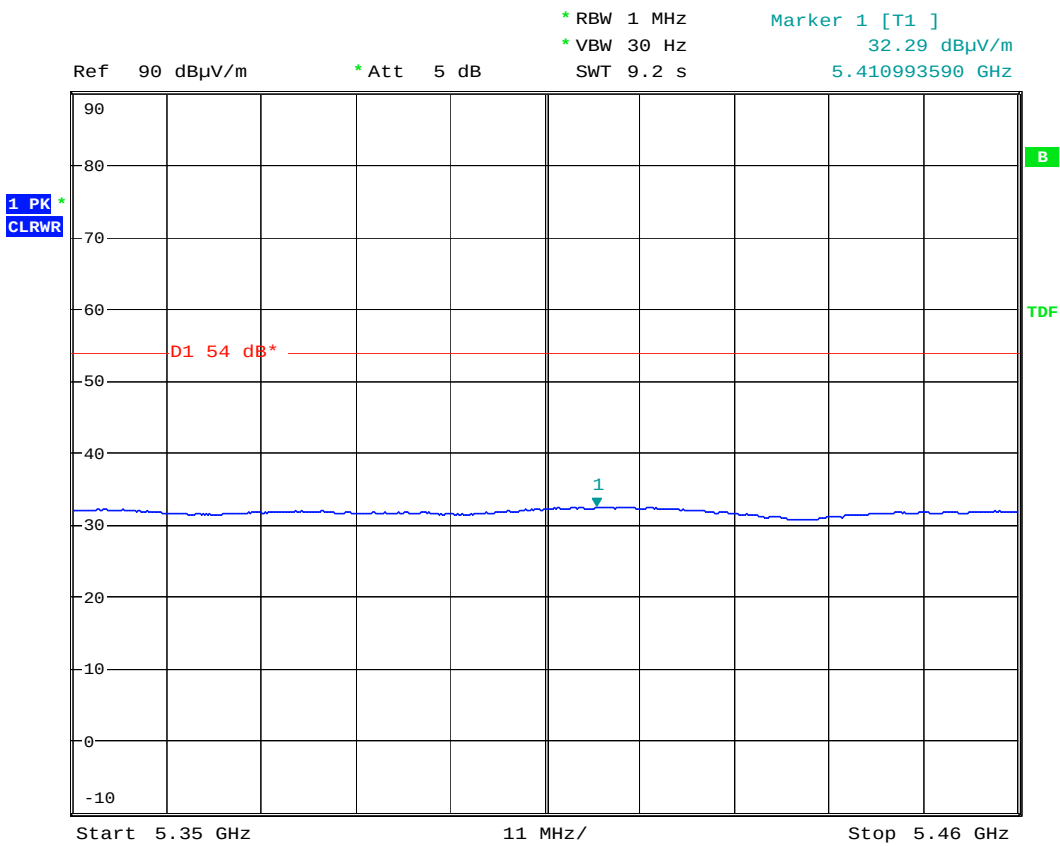
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 10 MHz
Antenna Gain: 10.5dBi and 15dBi (BELAIR)
TX-channel: 5735MHz
Peak Limit: 74 dBµV/m



Date: 24.SEP.2007 11:43:28

Radiated Emissions within Restricted Bands, continued

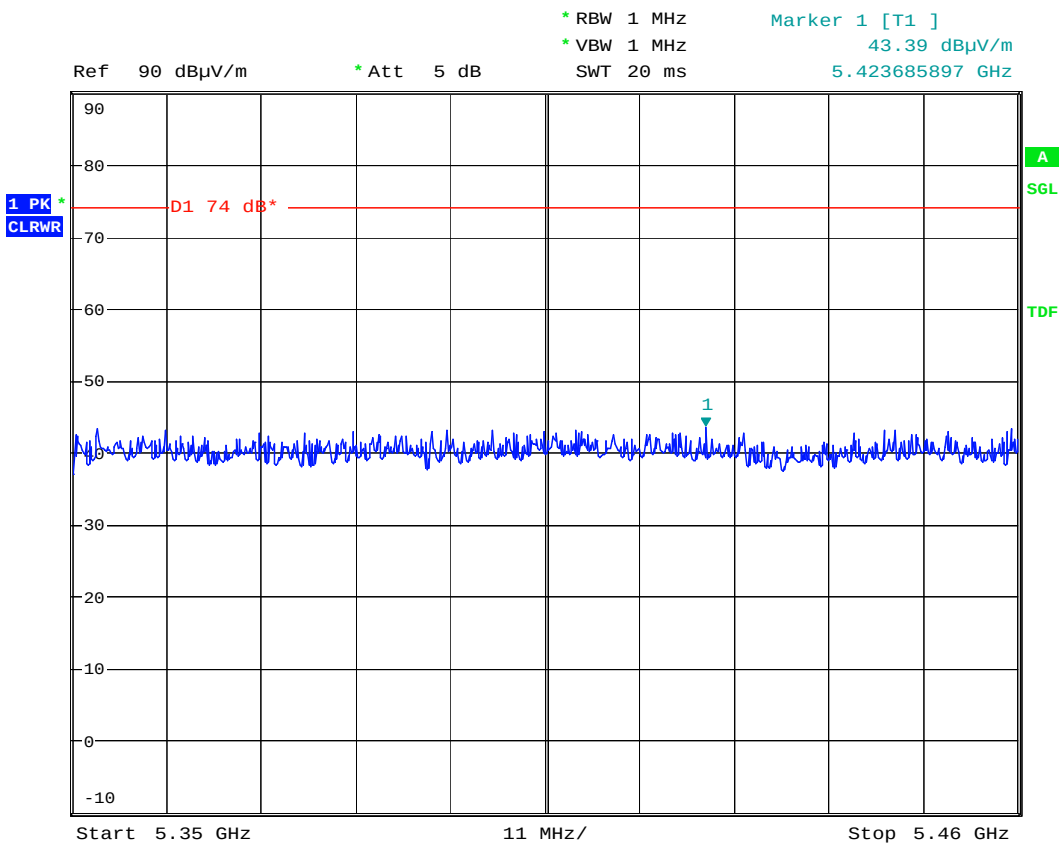
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 10 MHz
Antenna Gain: 10.5dBi and 15dBi (BELAIR)
TX-channel: 5840MHz
Average Limit: 54 dBμV/m



Date: 24.SEP.2007 11:50:33

Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 10 MHz
Antenna Gain: 10.5dBi and 15dBi (BELAIR)
TX-channel: 5840MHz
Peak Limit: 74 dBµV/m



Date: 24.SEP.2007 11:49:43

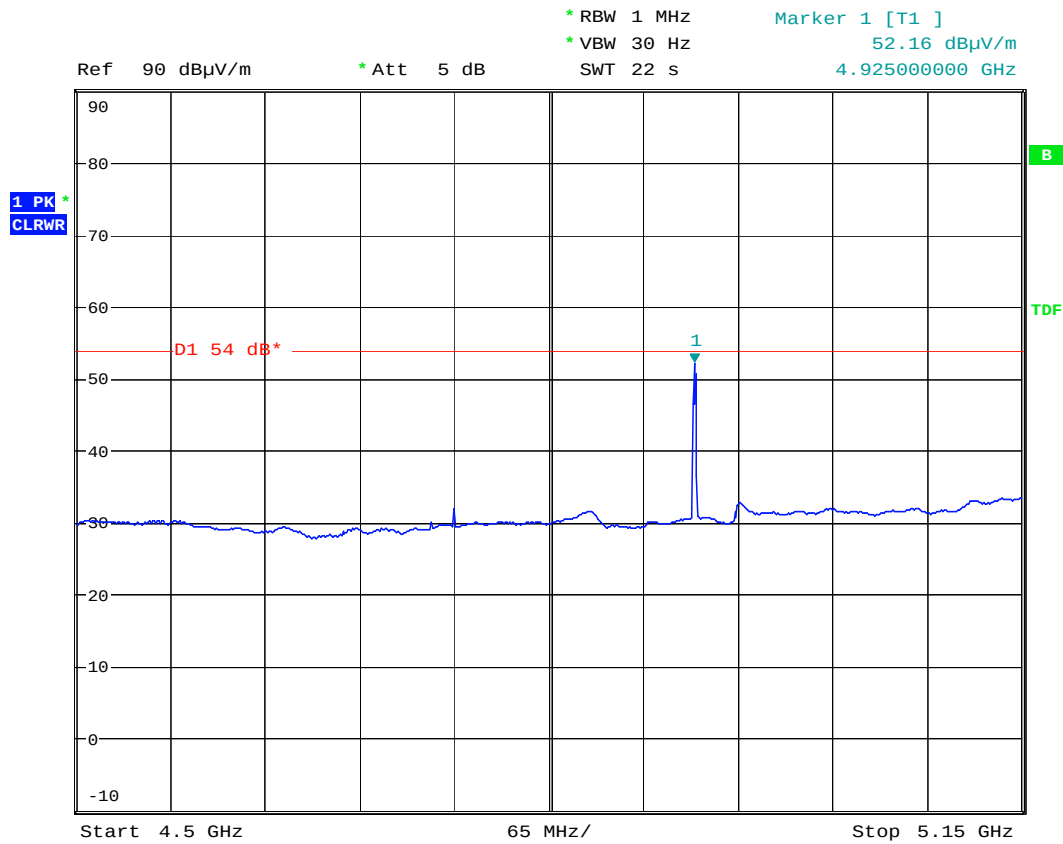
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

TX-channel: 5735MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 12:35:55

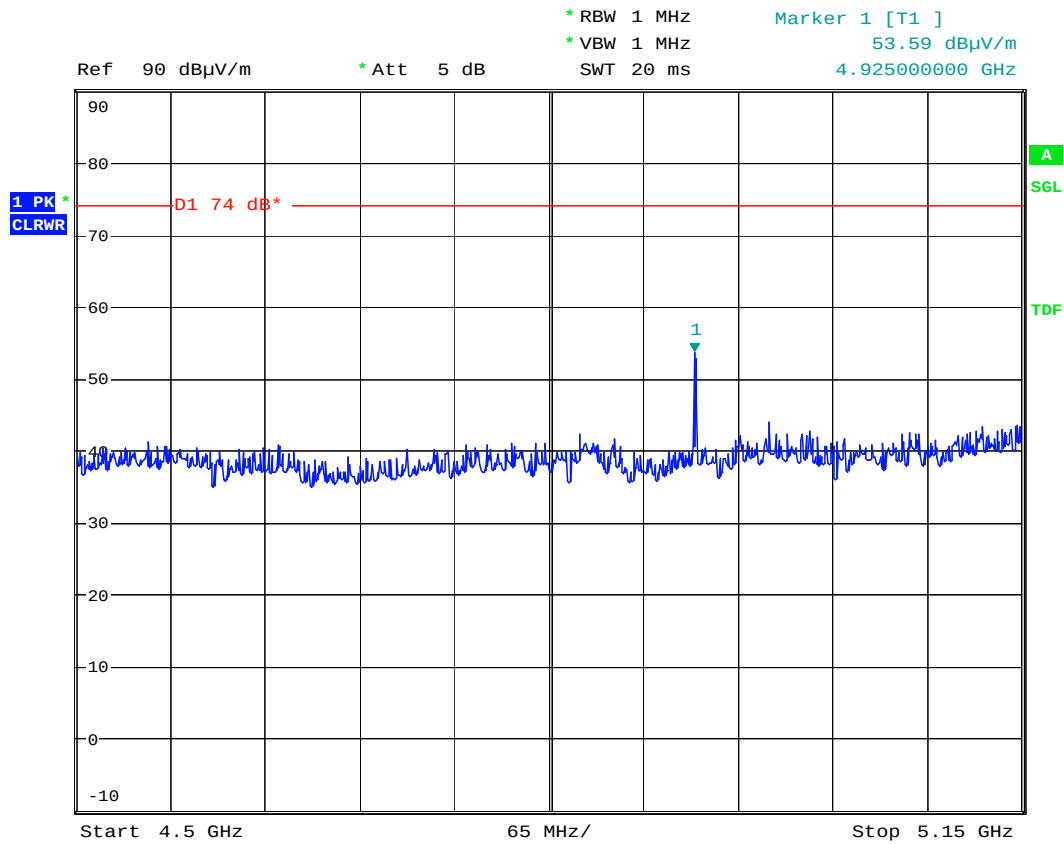
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

TX-channel: 5735MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 12:36:36

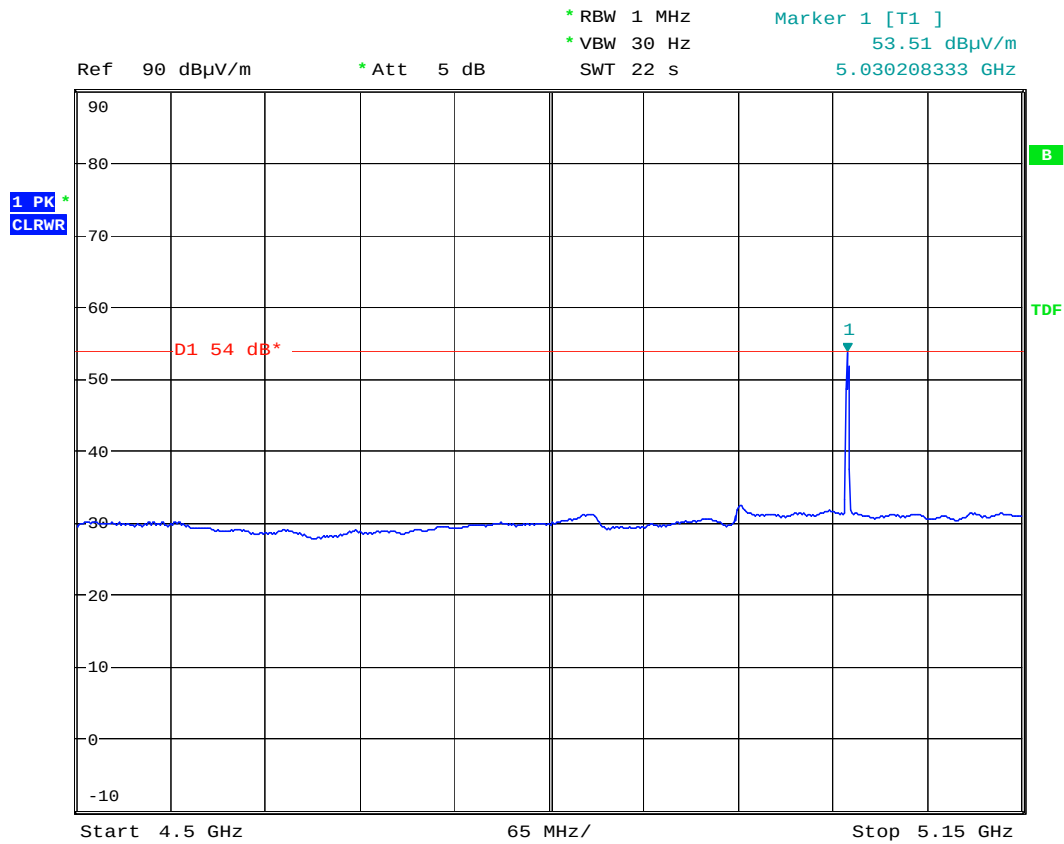
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

TX-channel: 5840MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 12:55:59

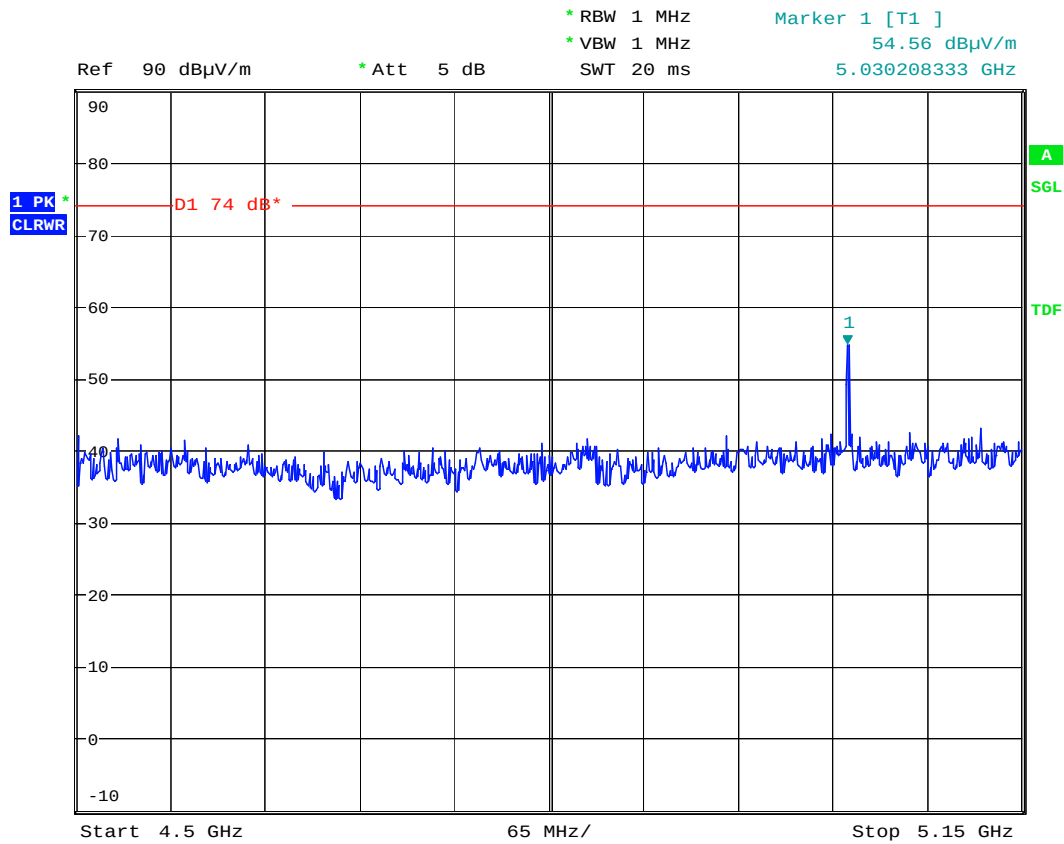
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

TX-channel: 5840MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 12:57:30

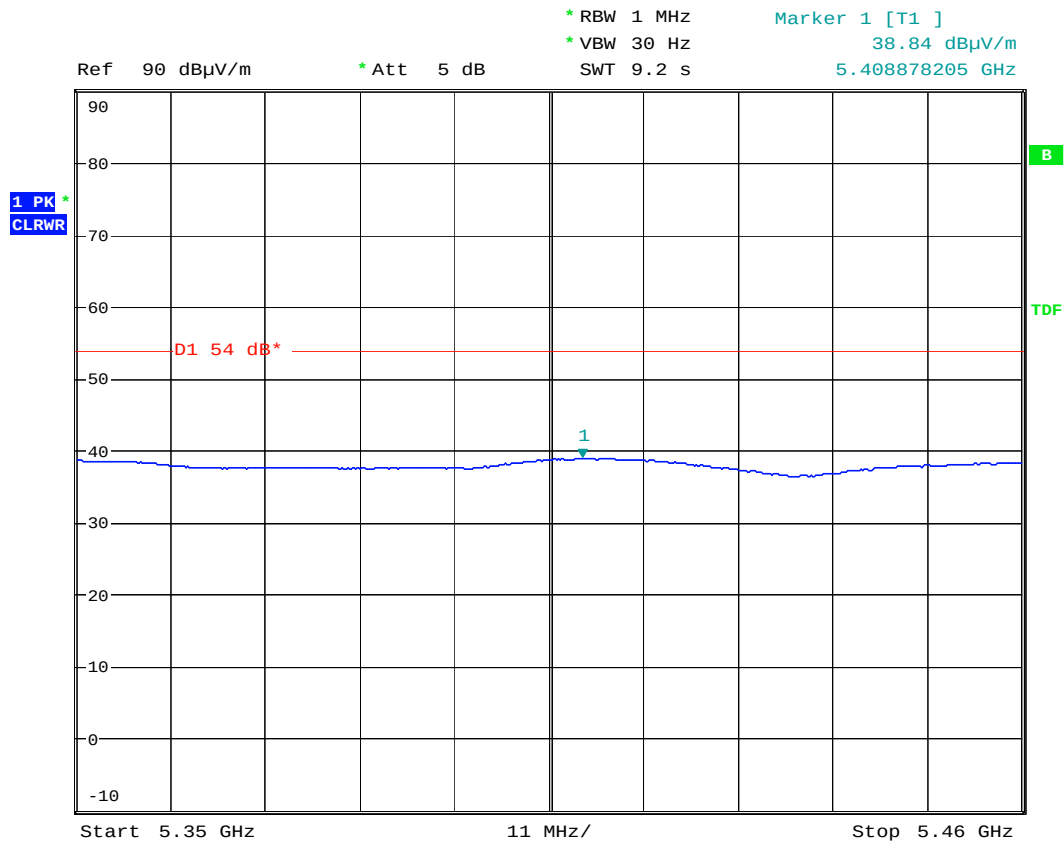
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

TX-channel: 5735MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 12:37:51

Radiated Emissions within Restricted Bands, continued

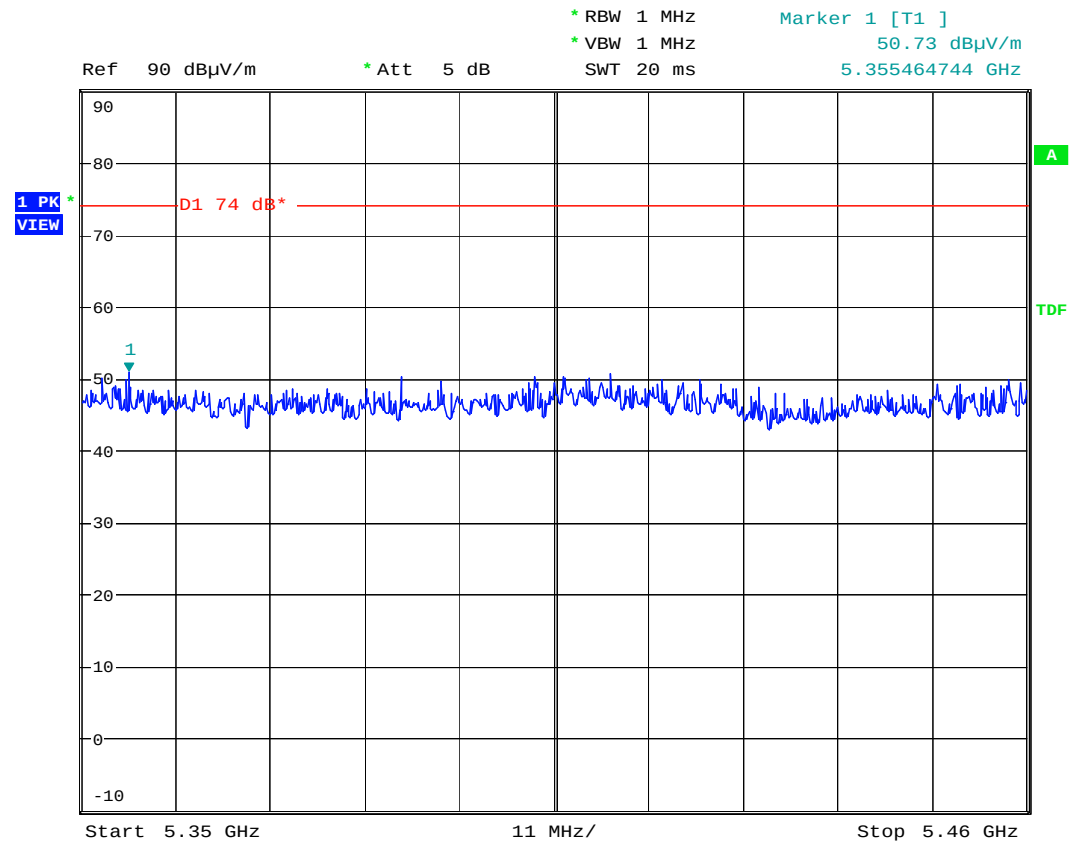
Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

TX-channel: 5735MHz

Peak Limit: 74 dBμV/m



Date: 24.SEP.2007 12:39:11

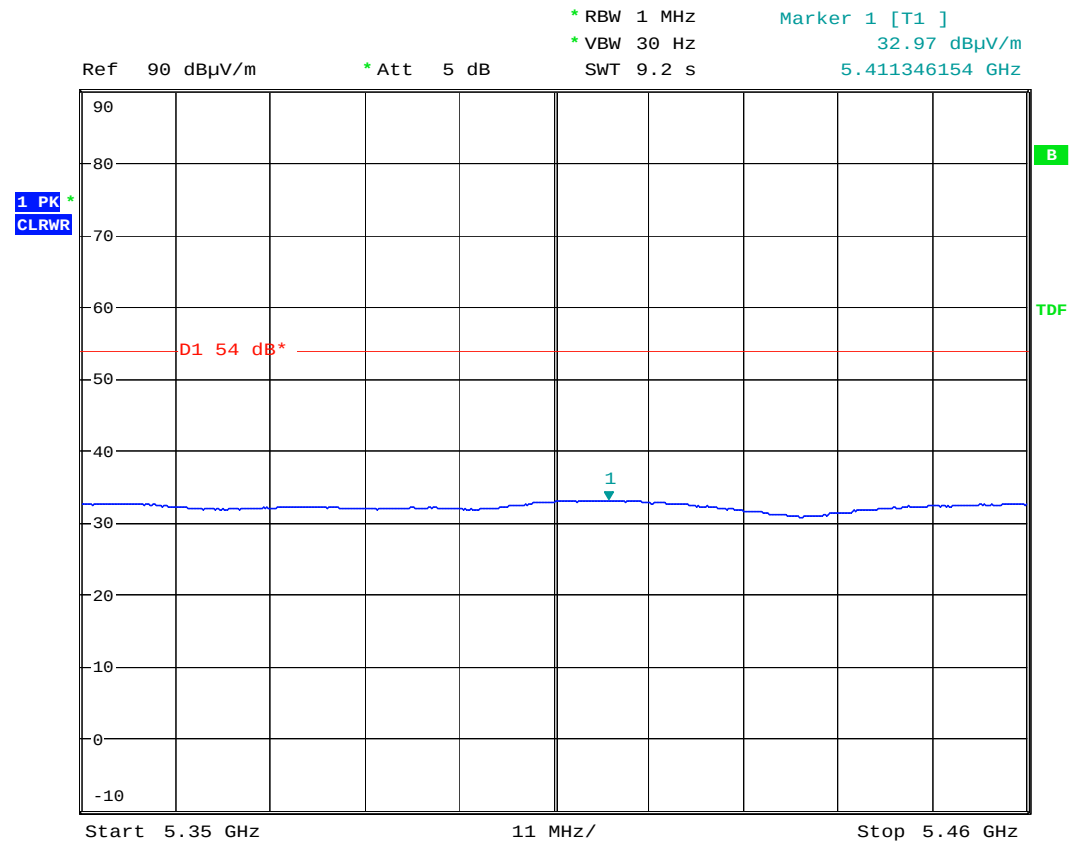
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

TX-channel: 5840MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 12:52:00

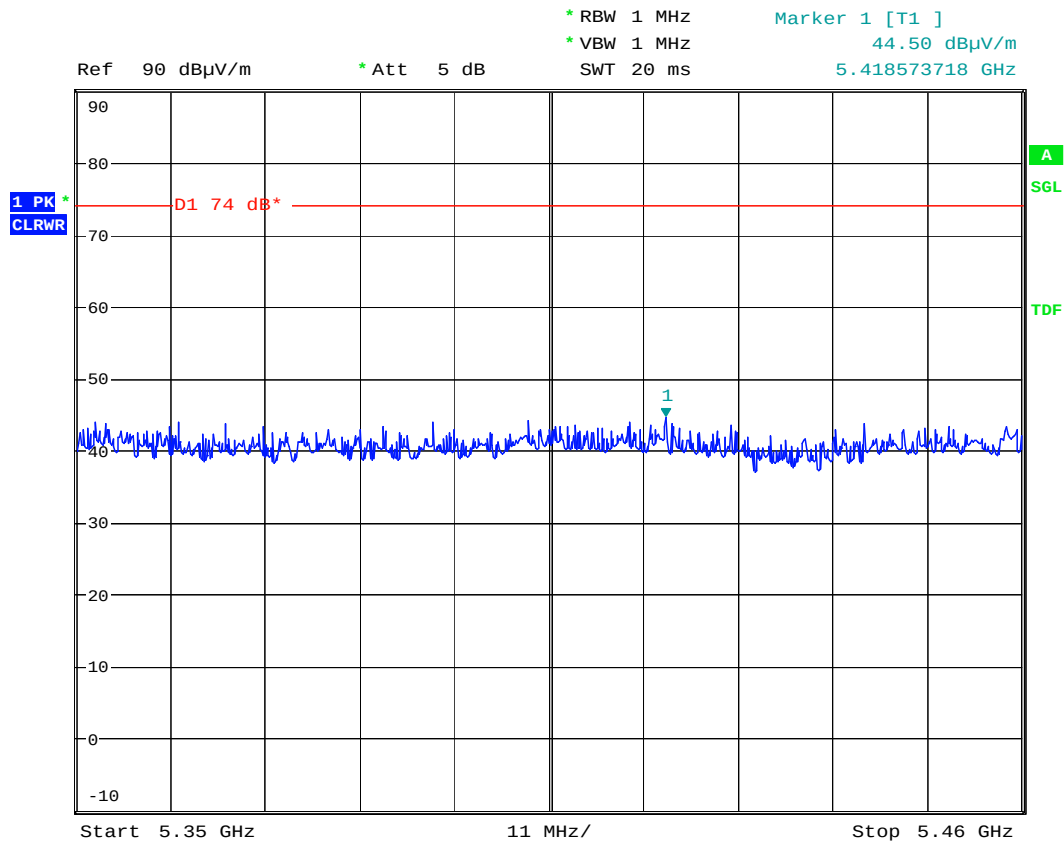
Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 18dBi (MAXRAD, WISP4959018MBV, Sectoral Antenna)

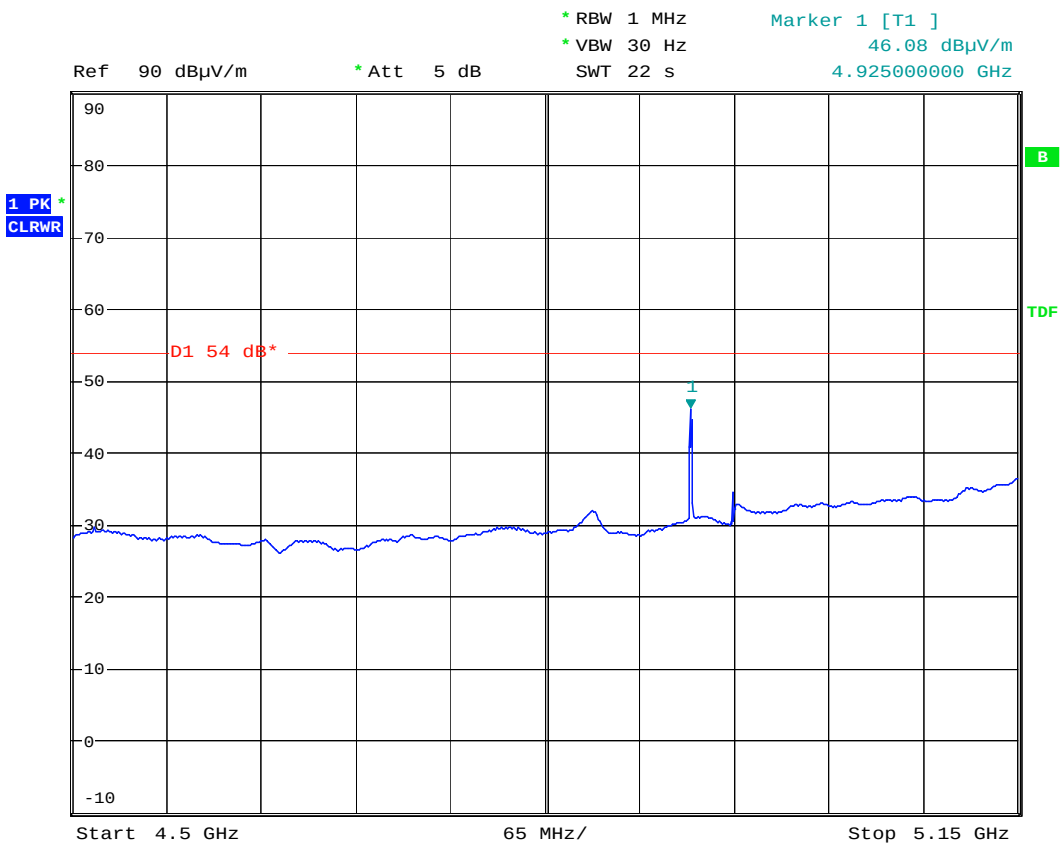
TX-channel: 5840MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 12:48:52

Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz
TX Channel Bandwidth: 10 MHz
Antenna Gain: 19dBi (Wireless Edge, MT-485001)
TX-channel: 5735MHz
Average Limit: 54 dBμV/m



Date: 24.SEP.2007 09:56:57

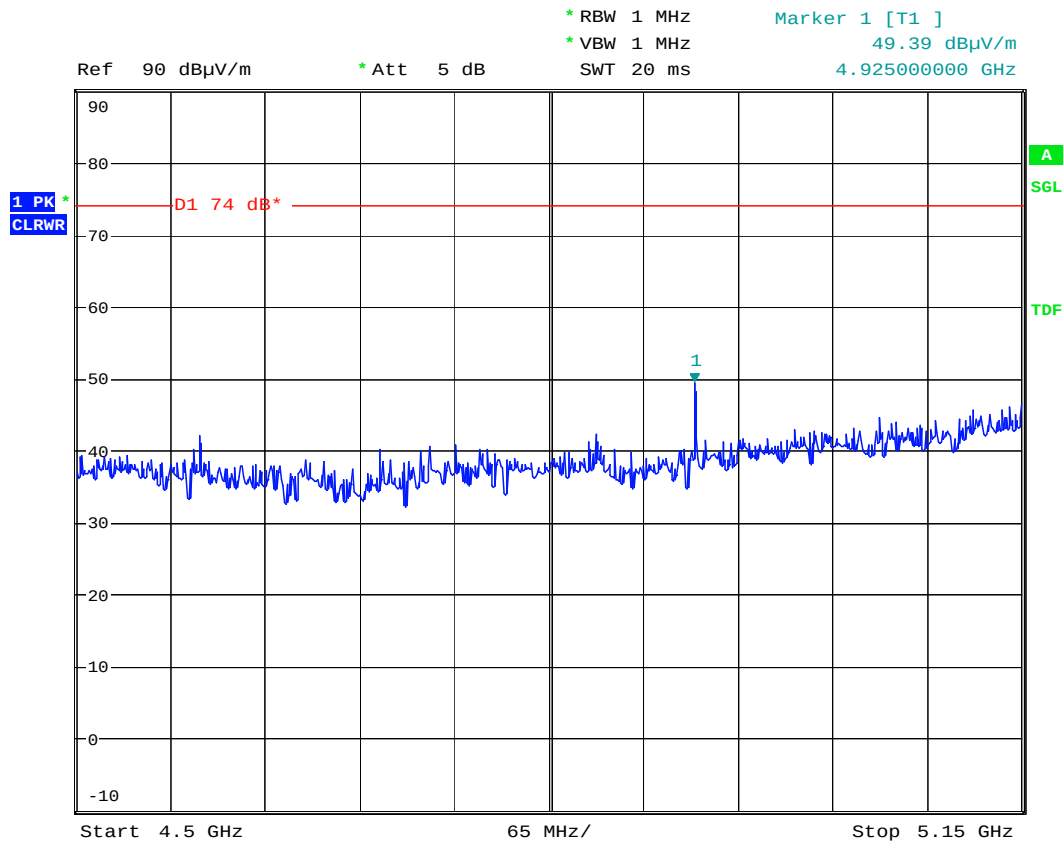
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 19dBi (Wireless Edge, MT-485001)

TX-channel: 5735MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 09:57:57

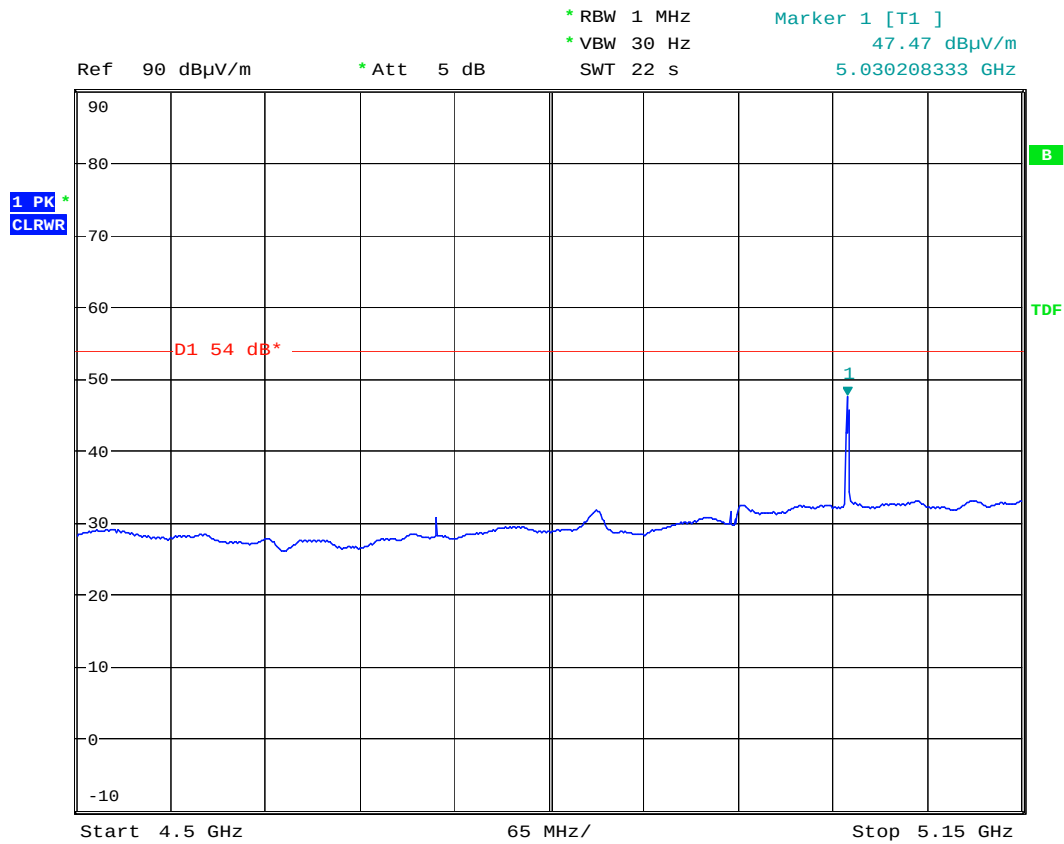
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 19dBi (Wireless Edge, MT-485001)

TX-channel: 5840MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 10:06:06

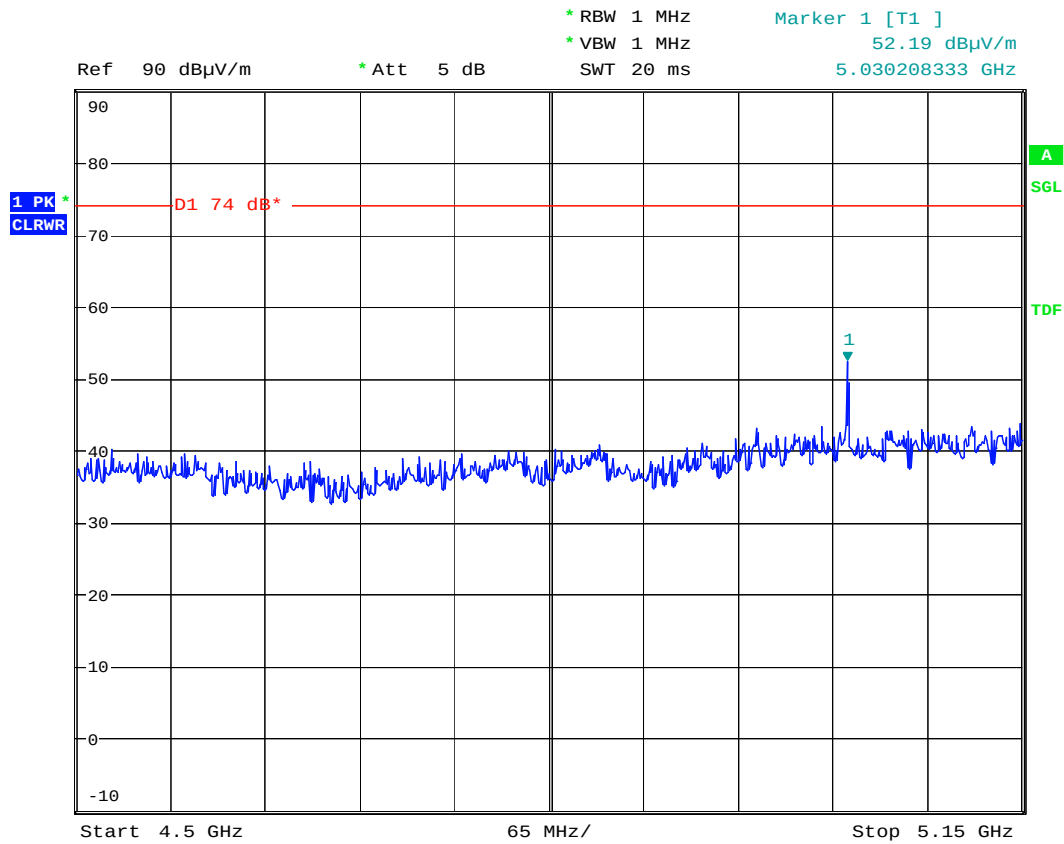
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 19dBi (Wireless Edge, MT-485001)

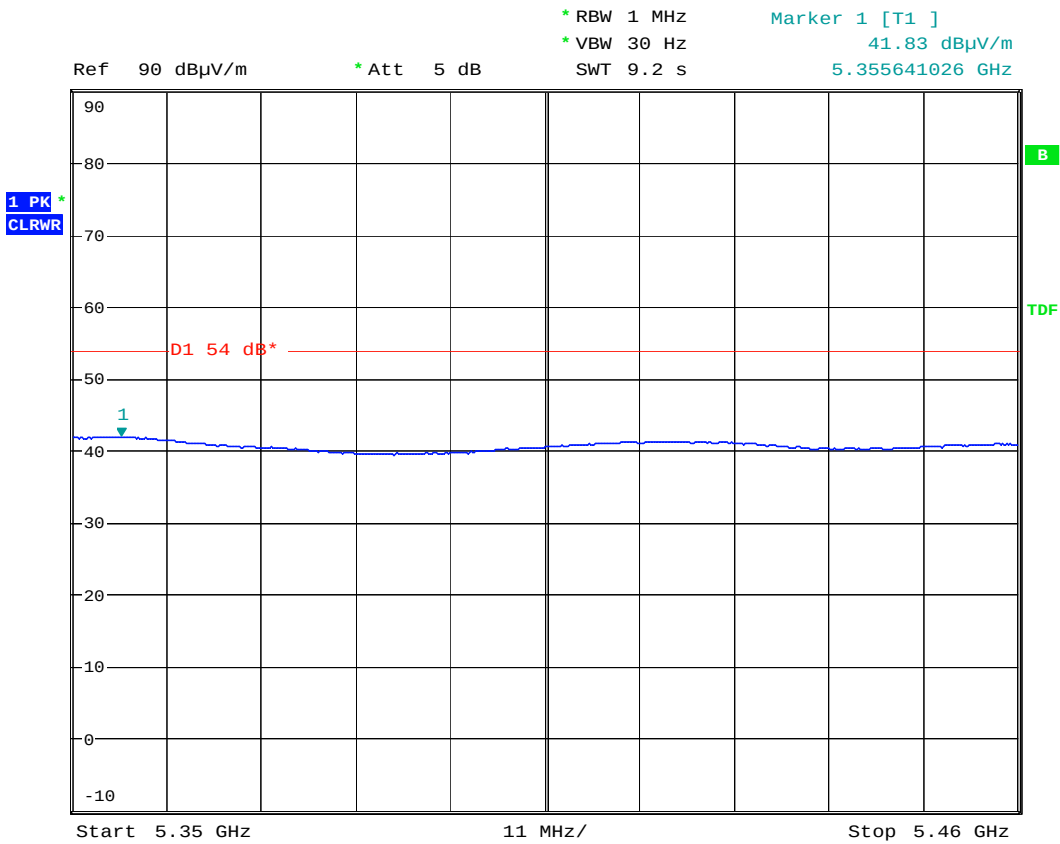
TX-channel: 5840MHz

Peak Limit: 74 dB μ V/m

Date: 24.SEP.2007 10:06:50

Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 10 MHz
Antenna Gain: 19dBi (Wireless Edge, MT-485001)
TX-channel: 5735MHz
Average Limit: 54 dBμV/m



Date: 24.SEP.2007 09:59:32

Radiated Emissions within Restricted Bands, continued

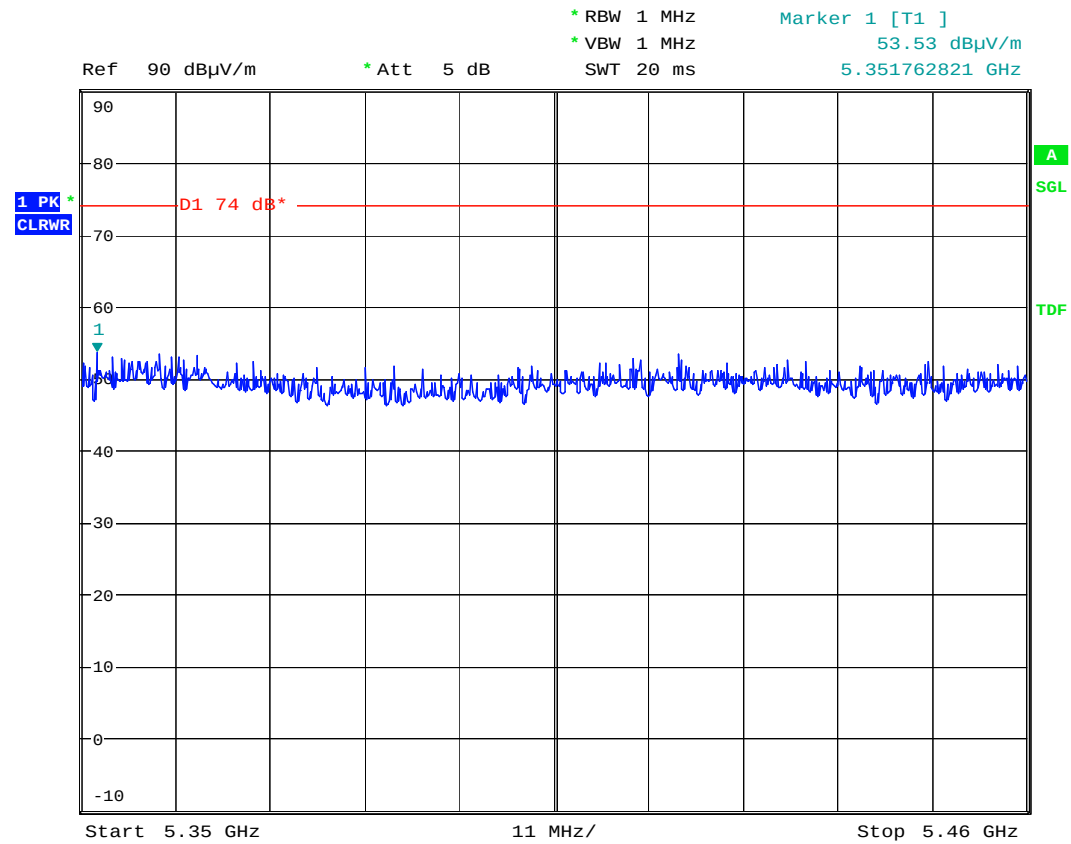
Restricted Band: 5.35 – 5.46 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 19dBi (Wireless Edge, MT-485001)

TX-channel: 5735MHz

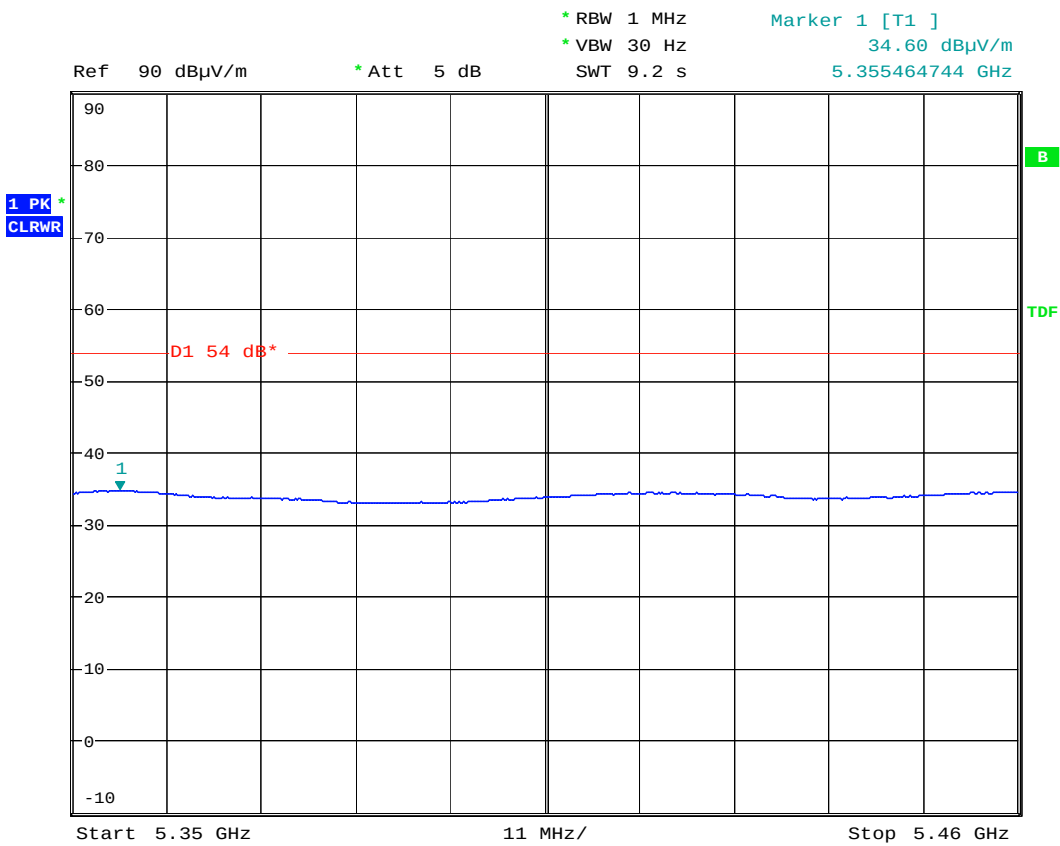
Peak Limit: 74 dB μ V/m



Date: 24.SEP.2007 10:00:38

Radiated Emissions within Restricted Bands, continued

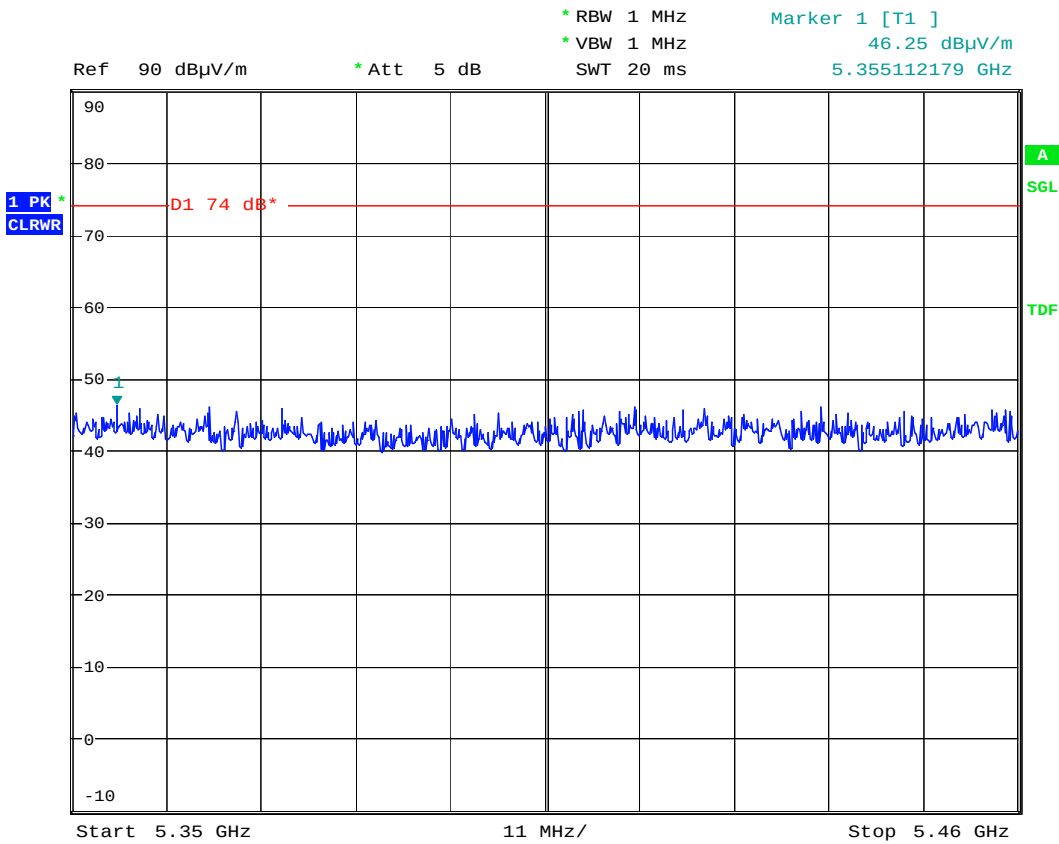
Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 10 MHz
Antenna Gain: 19dBi (Wireless Edge, MT-485001)
TX-channel: 5840MHz
Average Limit: 54 dBμV/m



Date: 24.SEP.2007 10:04:29

Radiated Emissions within Restricted Bands, continued

Restricted Band: 5.35 – 5.46 GHz
TX Channel Bandwidth: 10 MHz
Antenna Gain: 19dBi (Wireless Edge, MT-485001)
TX-channel: 5840MHz
Peak Limit: 74 dBµV/m



Date: 24.SEP.2007 10:03:17

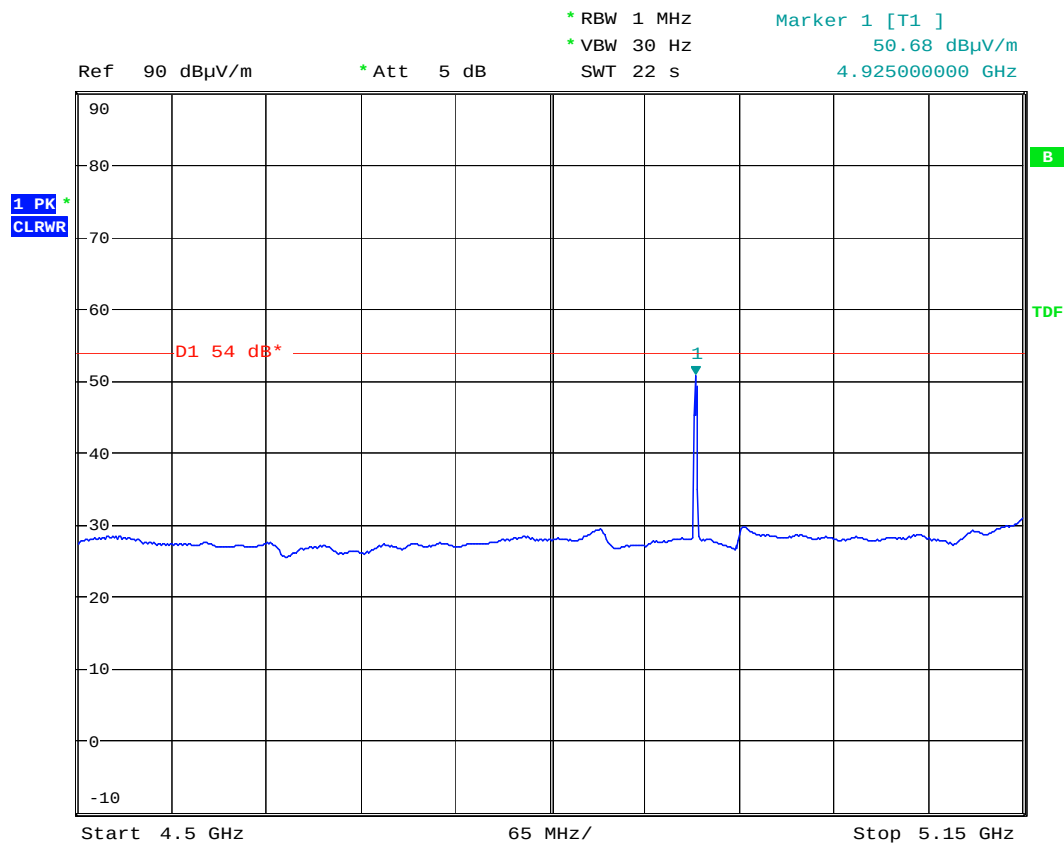
Radiated Emissions within Restricted Bands, continued

Restricted Band: 4.5 – 5.15 GHz

TX Channel Bandwidth: 10 MHz

Antenna Gain: 23dBi (Huber & Suhner, SPA 5600/9/23/0/V)

TX-channel: 5735MHz

Average Limit: 54 dB μ V/m

Date: 24.SEP.2007 09:16:03

NOTE: Tested with RF-filter BMA000281-A connected between the EUT and antenna.