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February 23, 2010

Prüfbericht / *Test Report*

Nr. / No. 50784-00618-3 (Edition 5)

Applicant: FEIG ELECTRONIC GmbH
Type of equipment: UHF RFID Module
Type designation: ID ISCMU0202
Order No.: ---
Test standards: FCC Code of Federal Regulations,
CFR 47, Part 15,
Sections 15.205, 15.207, 15.215 and 15.247

Industry Canada Radio Standards Specifications
RSS-Gen Issue 2, Section 7.2.2 and
RSS-210 Issue 7, Sections 2.2, A8 (Category I Equipment)

Note:

The test data of this report is related only to the individual item which has been tested. This report shall not be reproduced except in full extent without the written approval of the testing laboratory.

Table of Contents

1	Description of the Equipment Under Test (EUT).....	3
2	Administrative Data	4
3	Identification of the Test Laboratory	5
4	Summary	6
5	Operation Mode and Configuration of EUT	7
6	Measurement Procedures	8
6.1	Conducted Output Power	8
6.2	Bandwidth Measurements	10
6.3	Conducted AC Powerline Emission	12
6.4	Radiated Emission Measurement 9 kHz to 30 MHz	14
6.5	Radiated Emission in Fully or Semi Anechoic Room	16
6.6	Radiated Emission at Open Field Test Site	19
7	Photographs Taken During Testing.....	21
8	Test Results	30
8.1	Occupied Bandwidth	32
8.2	Bandwidth of the Emission	38
8.3	Designation of Emissions	42
8.4	Restricted Bands of Operation	43
8.5	Channel Bandwidth.....	46
8.6	Hopping channel separation	47
8.7	Number of hopping frequencies used.....	50
8.8	Time occupancy on any channel	52
8.9	Maximum output power	56
8.10	Conducted Powerline Emission Measurement 150 kHz to 30 MHz	61
8.11	Conducted Emission Measurement 30 MHz to 10 GHz	62
8.12	Radiated Emission Measurement 9 kHz to 30 MHz	65
8.13	Radiated Emission Measurement 30 MHz to 10 GHz	66
8.14	RF exposure requirement.....	79
8.15	Exposure of Humans to RF Fields.....	80
9	Referenced Regulations	82
10	Revision History.....	84
11	Charts taken during testing	85

1 Description of the Equipment Under Test (EUT)

General data of EUT	
Type designation ¹ :	ID ISCMU0202
Parts ² :	Module ID ISCMU0202 Antenna ID ISC.ANT.U170/170-FCC Antenna ID ISC.ANT.U100/75-FCC Antenna ID ISC.ANT.U75/50-FCC
Serial number(s):	Test sample
Manufacturer:	FEIG ELECTRONIC GmbH
Type of equipment:	UHF RFID Module
Version:	As received
FCC ID:	
Additional parts/accessories:	

Technical data of EUT	
Application frequency range:	902 - 928 MHz
Frequency range:	902.75 - 927.25 MHz
Operating frequency:	902.75 MHz, 915.25 MHz, 927.25 MHz
Type of modulation:	ASK
Pulse train:	---
Pulse width:	---
Number of RF-channels:	50
Channel spacing:	500 kHz
Designation of emissions ³ :	86K8A1D
Type of antenna:	Dedicated antenna over 2 x U-FL antenna jack
Size/length of antenna:	up to 17 × 17 cm
Connection of antenna:	<input checked="" type="checkbox"/> detachable <input type="checkbox"/> not detachable
Type of power supply:	DC supply
Specifications for power supply:	nominal voltage: 5 V

¹ Type designation of the system if EUT consists of more than one part.

² Type designations of the parts of the system, if applicable.

³ Also known as "Class of Emission".

2 Administrative Data

Application details

Applicant (full address):	FEIG ELECTRONIC GmbH Lange Straße 4 D-35781 Weilburg-Waldhausen
Contact person:	Mr. Carsten Fiedler
Contract identification:	
Receipt of EUT:	July 29, 2009 December 10, 2009 ⁴
Date(s) of test:	July - August 2009 January 2010
Note(s):	Mr. Manuel Haertlé representing the applicant attended testings on July 29, 2009 and July 30, 2009.

Report details

Report number:	50784-00618-3
Edition:	5
Issue date:	January 20, 2010

⁴ Antennas ID ISC.ANT.U100/75-FCC and ID ISC.ANT.U75/50-FCC



3 Identification of the Test Laboratory

Details of the Test Laboratory	
Company name:	TÜV SÜD SENTON GmbH
Address:	Aeussere Fruehlingstrasse 45 D-94315 Straubing Germany
Laboratory accreditation:	DAR-Registration No. DAT-PL-171/94-03
FCC test site registration number	90926
Industry Canada test site registration:	3050A
Contact person:	Mr. Johann Roidt
	Phone: (+49) (0)9421 5522-0 Fax: (+49) (0)9421 5522-99

4 Summary

Summary of test results

The tested sample complies with the requirements set forth in the

**Code of Federal Regulations CFR 47, Part 15, Sections 15.205, 15.207, 15.215, 15.247
and 2.1093**

of the Federal Communication Commission (FCC) and the

**Radio Standards Specifications
RSS-Gen Issue 2, Sections 7.2.2 and
RSS-210 Issue 7, Sections 2.2, 2.6 and A8 (Category I Equipment)**

of Industry Canada (IC).

Personnel involved in this report

Laboratory Manager:



Mr. Johann Roidt

Responsible for testing:



Mr. Martin Steindl

Responsible for test report:

Mr. Martin Steindl

5 Operation Mode and Configuration of EUT

Operation Mode(s)

The EUT was set up to transmit on lowest, middle and highest channel with modulation.

Configuration(s) of EUT

The EUT was configured as a stand alone device. The RS232-interface was connected to a laptop PC for configuration of the transmitting channel. Since a emission-prescan with connected USB-interface showed no difference to the RS232-interface all tests were performed with RS232-interface only, since it was not possible to configure the device over USB-interface.

Since antennas ID ISC.ANT.U100/75-FCC and ID ISC.ANT.U75/50-FCC have the same design but different antenna gain the antenna with maximum gain was tested.

List of ports and cables

<i>Port</i>	<i>Description</i>	<i>Classification⁵</i>	<i>Cable type</i>	<i>Cable length</i>
1	DC supply	dc power	Unshielded	2 m
2	RS232	signal/control port	Shielded	2 m

List of devices connected to EUT

<i>Item</i>	<i>Description</i>	<i>Type Designation</i>	<i>Serial no. or ID</i>	<i>Manufacturer</i>
1	Laptop PC	DELL dimension		DELL
2	Antenna (Gain 3.5 dBi)	ID ISC.ANT.U170/170-FCC		FEIG
3	Antenna (Gain -12 dBi)	ID ISC.ANT.U100/75-FCC		FEIG
4	Antenna (Gain -20 dBi)	ID ISC.ANT.U75/50-FCC		FEIG

List of support devices

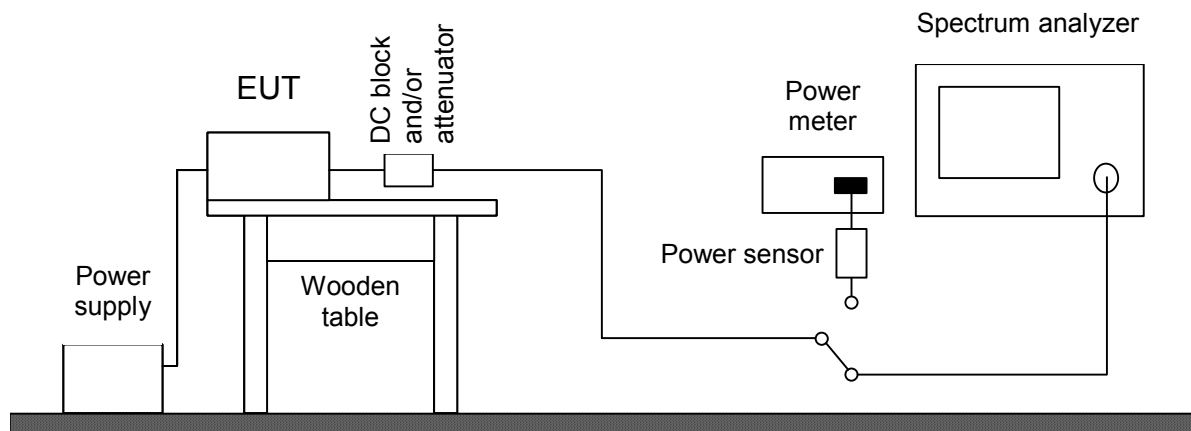
<i>Item</i>	<i>Description</i>	<i>Type Designation</i>	<i>Serial no. or ID</i>	<i>Manufacturer</i>

⁵ Ports shall be classified as ac power, dc power or signal/control port

6 Measurement Procedures

6.1 Conducted Output Power

Measurement Procedure:	
Rules and specifications:	CFR 47 Part 2, section 2.1046(a) IC RSS-Gen Issue 2, section 4.8
Guide:	CFR 47 Part 2, section 2.1046 / IC RSS-Gen Issue 2
<p>Conducted output power is measured at the RF output terminals (e.g. antenna connector if antenna is detachable) when the transmitter is adjusted in accordance with the tune-up procedure, if applicable. The RF output terminals are connected to a spectrum analyzer and/or a power meter with appropriate sensor. If required, a resistive matching network equal to the impedance specified or employed for the antenna is used as well as dc block and appropriate attenuators (50 Ohms). The electrical characteristics of the radio frequency load attached to the output terminals shall be stated, if applicable.</p> <p>If a spectrum analyzer is used and no other settings are specified resolution bandwidth shall be selected according to the carrier frequency f_c and set to 10 kHz ($150 \text{ kHz} \leq f_c < 30 \text{ MHz}$), 100 kHz ($30 \text{ MHz} \leq f_c < 1 \text{ GHz}$) or 1 MHz ($f_c \geq 1 \text{ GHz}$). The video bandwidth shall be at least three times greater than the resolution bandwidth. The settings used have to be indicated within the appropriate test record(s).</p>	

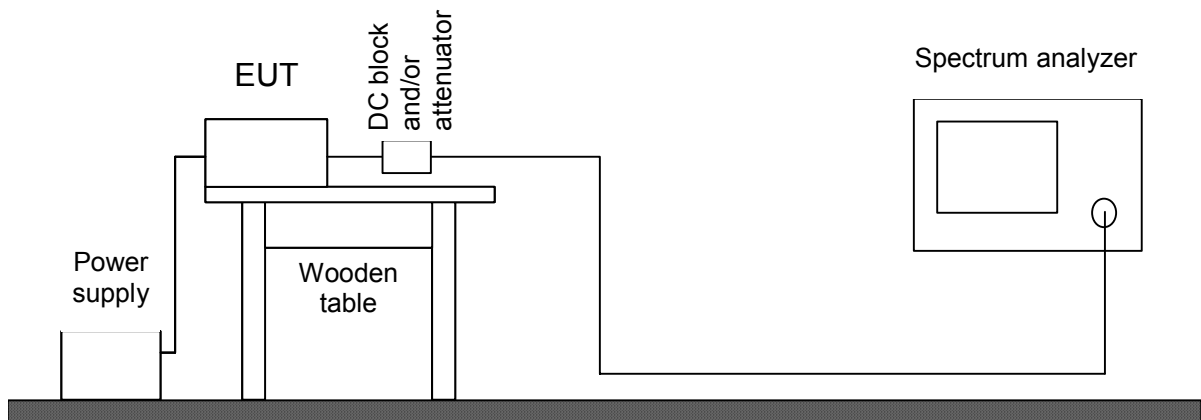


Test instruments used:

Used	Type	Model	Serial No. or ID	Manufacturer
<input checked="" type="checkbox"/>	Spectrum Analyzer	FSP 30	100063	Rohde & Schwarz
<input type="checkbox"/>	EMI test receiver	ESPI7	836914/0002	Rohde & Schwarz
<input type="checkbox"/>	EMI test receiver	ESMI	839379/013 839587/006	Rohde & Schwarz
<input checked="" type="checkbox"/>	Network Analyzer and Spectrum Analyzer	ZVL 6	100377	Rohde & Schwarz
<input type="checkbox"/>	Power meter	NRVS	836856/015	Rohde & Schwarz
<input type="checkbox"/>	Peak power sensor	NRV-Z31	8579604.03	Rohde & Schwarz
<input type="checkbox"/>	Power sensor	NRV-Z52	837901/030	Rohde & Schwarz
<input type="checkbox"/>	Power sensor	NRV-Z4	863828/015	Rohde & Schwarz
<input type="checkbox"/>	DC-block	7006	A2798	Weinschel
<input checked="" type="checkbox"/>	Attenuator	4776-10	9412	Narda
<input type="checkbox"/>	Attenuator	4776-20	9503	Narda

6.2 Bandwidth Measurements

Measurement Procedure:	
Rules and specifications:	CFR 47 Part 2, section 2.202(a) CFR 47 Part 15, section 15.215(c) IC RSS-Gen Issue 2, sections 4.6.1 and 4.6.2 IC RSS-210 Issue 7, section A1.1.3 ANSI C63.4, annex H.6
Guide:	ANSI C63.4 / IC RSS-Gen Issue 2, sections 4.6.1 and 4.6.2
Measurement setup:	<input checked="" type="checkbox"/> Conducted: See below <input type="checkbox"/> Radiated: Radiated Emission in Fully or Semi Anechoic Room (6.5)
<p>If antenna is detachable bandwidth measurements shall be performed at the antenna connector (conducted measurement) when the transmitter is adjusted in accordance with the tune-up procedure, if applicable. The RF output terminals are connected to a spectrum analyzer. If required, a resistive matching network equal to the impedance specified or employed for the antenna is used as well as dc block and appropriate attenuators (50 Ohms). The electrical characteristics of the radio frequency load attached to the output terminals shall be stated, if applicable.</p> <p>If radiated measurements are performed the same test setups and instruments are used as with radiated emission measurements for the appropriate frequency range.</p> <p>The analyzer settings are specified by the test description of the appropriate test record(s).</p>	

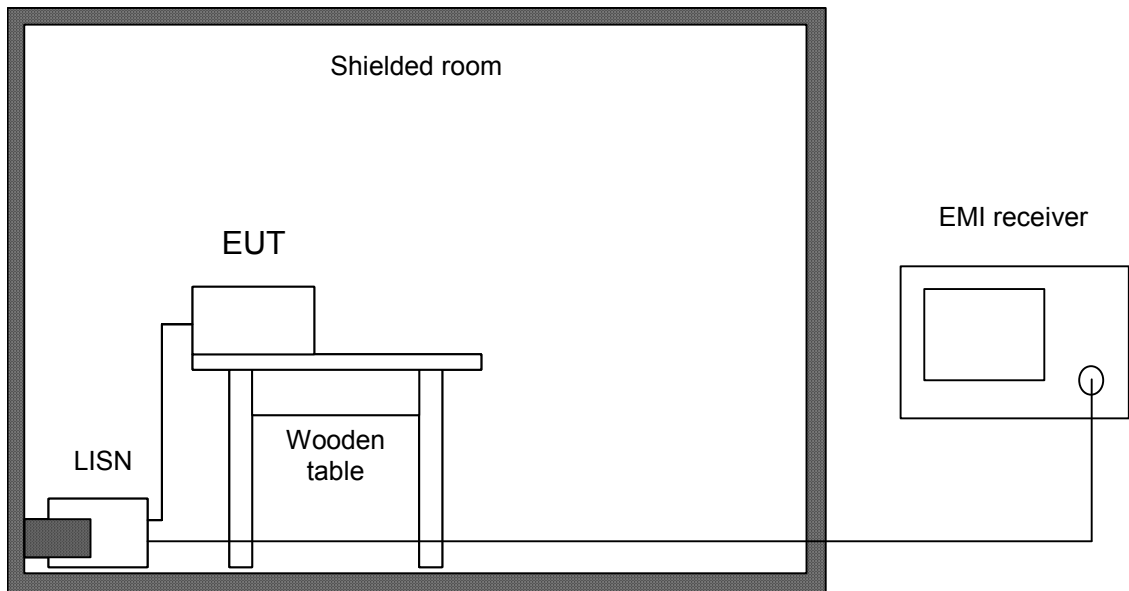


Test instruments used for conducted measurements:

Used	Type	Model	Serial No. or ID	Manufacturer
<input type="checkbox"/>	Spectrum Analyzer	FSP 30	100063	Rohde & Schwarz
<input checked="" type="checkbox"/>	EMI test receiver	ESPI7	836914/0002	Rohde & Schwarz
<input type="checkbox"/>	EMI test receiver	ESMI	839379/013 839587/006	Rohde & Schwarz
<input type="checkbox"/>	Power meter	NRVS	836856/015	Rohde & Schwarz
<input type="checkbox"/>	Peak power sensor	NRV-Z31	8579604.03	Rohde & Schwarz
<input type="checkbox"/>	Power sensor	NRV-Z52	837901/030	Rohde & Schwarz
<input type="checkbox"/>	Power sensor	NRV-Z4	863828/015	Rohde & Schwarz
<input type="checkbox"/>	DC-block	7006	A2798	Weinschel
<input checked="" type="checkbox"/>	Attenuator	4776-10	9412	Narda
<input type="checkbox"/>	Attenuator	4776-20	9503	Narda

6.3 Conducted AC Powerline Emission

Measurement Procedure:	
Rules and specifications:	CFR 47 Part 15, sections 15.107 and 15.207 IC RSS-Gen Issue 2, section 7.2.2
Guide:	ANSI C63.4 (CISPR 22)
<p>Conducted emission tests in the frequency range 150 kHz to 30 MHz are performed using Line Impedance Stabilization Networks (LISNs). To simplify testing with quasi-peak and average detector the following procedure is used:</p> <p>First the whole spectrum of emission caused by the equipment under test (EUT) is recorded with detector set to peak using CISPR bandwidth of 10 kHz. After that all emission levels having less margin than 10 dB to or exceeding the average limit are retested with detector set to quasi-peak.</p> <p>If average limit is kept with quasi-peak levels no additional scan with average detector is necessary. In cases of emission levels between quasi-peak and average limit an additional scan with detector set to average is performed.</p> <p>According to ANSI C63.4, section 13.1.3.1, testing of intentional radiators with detachable antenna shall be performed using a suitable dummy load connected to the antenna output terminals. Otherwise, the tests shall be made with the antenna connected and, if adjustable, fully extended.</p> <p>Testing with dummy load may be necessary to distinguish (unintentional) conducted emissions on the supply lines from (intentional) emissions radiated by the antenna and coupling directly to supply lines and/or LISN. Usage of dummy load has to be stated in the appropriate test record(s) and notes should be added to clarify the test setup.</p>	



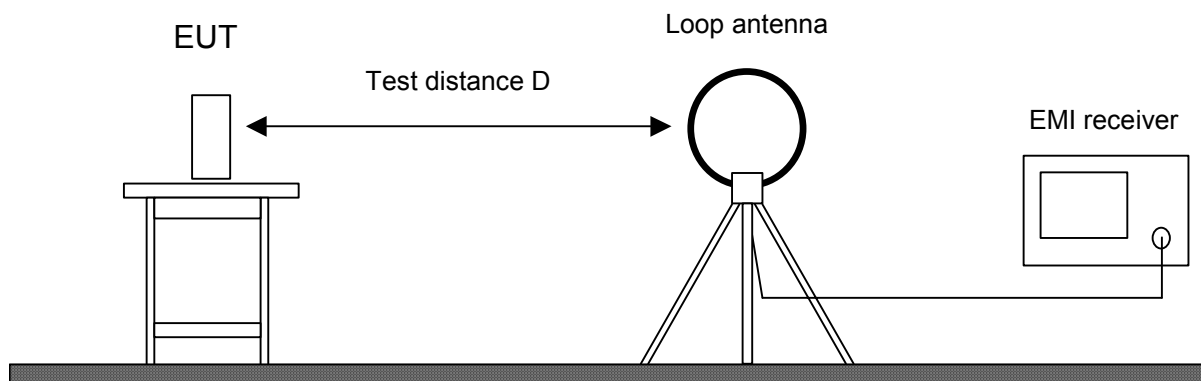


Test instruments used:

Used	Type	Model	Serial No. or ID	Manufacturer
<input checked="" type="checkbox"/>	EMI receiver	ESHS 10	860043/016	Rohde & Schwarz
<input checked="" type="checkbox"/>	LISN	ESH3-Z5	862770/021	Rohde & Schwarz
<input type="checkbox"/>	LISN	ESH3-Z5	830952/025	Rohde & Schwarz
<input type="checkbox"/>	Artificial mains network	ESH 2-Z5	842966/004	Rohde & Schwarz
<input type="checkbox"/>	Shielded room	No. 1	1451	Albatross Projects
<input checked="" type="checkbox"/>	Shielded room	No. 4	3FD-100 544	Euroshield

6.4 Radiated Emission Measurement 9 kHz to 30 MHz

Measurement Procedure:	
Rules and specifications:	CFR 47 Part 15, sections 15.205(b) and 15.247 IC RSS-210 Issue 7, sections 2.2(b)(c), 2.6 and A8.5
Guide:	ANSI C63.4
<p>Radiated emission in the frequency range 9 kHz to 30 MHz is measured using an active loop antenna. First the whole spectrum of emission caused by the equipment is recorded at a distance of 3 meters in a fully or semi anechoic room with the detector of the spectrum analyzer or EMI receiver set to peak. This configuration is also used for recording the spectrum of intentional radiators.</p> <p>Hand-held or body-worn devices are rotated through three orthogonal axes to determine which attitude and configuration produces the highest emission relative to the limit and therefore shall be used for final testing. EUT is rotated all around to find the maximum levels of emissions. Equipment and cables are placed and moved within the range of position likely to find their maximum emissions.</p> <p>If worst case emission of the EUT cannot be recorded with EUT in standard position and loop antenna in vertical polarization the EUT (or the radiating part of the EUT) is rotated by 90 degrees instead of changing the loop antenna to horizontal polarization. This procedure is selected to minimize the influence of the environment (e.g. effects caused by the floor especially with longer distances).</p> <p>Final measurement is performed at a test distance D of 30 meters using an open field test site. In case the regulation requires testing at other distances, the result is extrapolated by either making measurements at an additional distance D of 10 meters to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). In cases of very low emissions measurements are performed at shorter distances and results are extrapolated to the required distance. The provisions of CFR 47 Part 15 sections 15.31(d) and (f)(2) apply. According to CFR 47 Part 15 section 15.209(d) final measurement is performed with detector function set to quasi-peak except for the frequency bands 9 to 90 kHz and 110 to 490 kHz where, for non-pulsed operation, average detector is employed.</p> <p>If the radiated emission limits are expressed in terms of the average value of the emission there also is a peak limit corresponding to 20 dB above the maximum permitted average limit. Additionally, if pulsed operation is employed, the average field strength is determined by averaging over one complete pulse train, including blanking intervals, as specified in CFR 47 Part 15 section 15.35(c). If the pulse train exceeds 0.1 second that 0.1 second interval during which the value of the emission is at its maximum is selected for calculation. The pulse train correction is added to the peak value of the emission to get the average value.</p>	



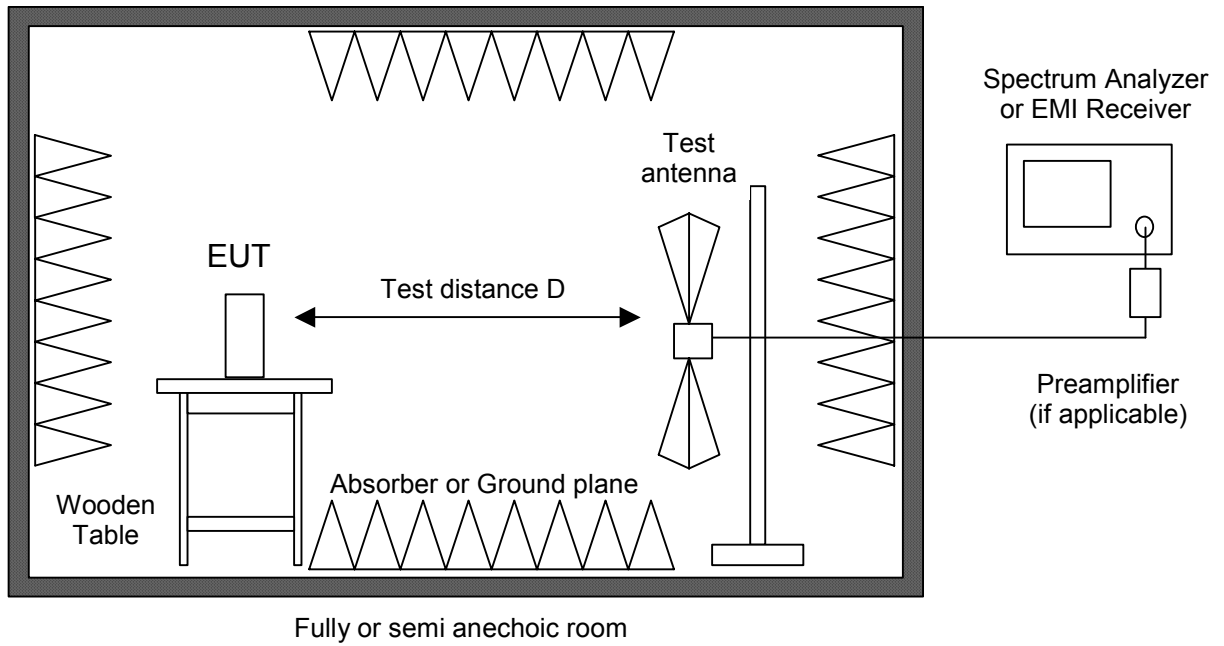


Test instruments used:

Used	Type	Model	Serial No. or ID	Manufacturer
<input checked="" type="checkbox"/>	Spectrum Analyzer	FSP 30	100063	Rohde & Schwarz
<input type="checkbox"/>	EMI test receiver	ESMI	839379/013 839587/006	Rohde & Schwarz
<input checked="" type="checkbox"/>	Test receiver	ESHS 10	860043/016	Rohde & Schwarz
<input type="checkbox"/>	Preamplifier	CPA9231A	3393	Schaffner
<input checked="" type="checkbox"/>	Loop antenna	HFH2-Z2	882964/1	Rohde & Schwarz
<input checked="" type="checkbox"/>	Fully anechoic room	No. 2	1452	Albatross Projects
<input type="checkbox"/>	Semi-anechoic room	No. 3	1453	Siemens
<input checked="" type="checkbox"/>	Open field test site	EG 1	1450	Senton

6.5 Radiated Emission in Fully or Semi Anechoic Room

Measurement Procedure:	
Rules and specifications:	CFR 47 Part 15, sections 15.109, 15.215(b) and 15.249 IC RSS-Gen Issue 2, sections 6(a), 7.2.3.2 IC RSS-210 Issue 7, section A2.9
Guide:	ANSI C63.4
<p>Radiated emission in fully or semi anechoic room is measured in the frequency range from 30 MHz to the maximum frequency as specified in CFR 47 Part 15 section 15.33.</p> <p>Measurements are made in both the horizontal and vertical planes of polarization in a fully or semi anechoic room using a spectrum analyzer with the detector function set to peak and resolution as well as video bandwidth set to 100 kHz (below 1 GHz) or 1 MHz (above 1 GHz). Final measurements in the frequency range from 30 MHz to 1 GHz are made in both the horizontal and vertical planes of polarization in a semi anechoic room using a EMI receiver with the detector function set to quasi-peak and the measurement bandwidth of the test receiver is set to 120 kHz.</p> <p>Testing up to 1 GHz is performed with a linear polarized logarithmic periodic antenna combined with a 4:1 broadband dipole ("Trilog broadband antenna"). For testing above 1 GHz horn antennas are used.</p> <p>All tests below 18 GHz are performed at a test distance D of 3 meters. For higher frequencies the test distance is reduced (e.g. to 1 meter) due to the sensitivity of the measuring instrument(s) and the test results are calculated according to CFR 47 Part 15 section 15.31(f)(1) using an extrapolation factor of 20 dB/decade. If required, preamplifiers are used for the whole frequency range. Special care is taken to avoid overload, using appropriate attenuators and filters, if necessary.</p> <p>If the radiated emission limits are expressed in terms of the average value of the emission there also is a peak limit corresponding to 20 dB above the maximum permitted average limit. Additionally, if pulsed operation is employed, the average field strength is determined by averaging over one complete pulse train, including blanking intervals, as specified in CFR 47 Part 15 section 15.35(c). If the pulse train exceeds 0.1 second that 0.1 second interval during which the value of the emission is at its maximum is selected for calculation. The pulse train correction is added to the peak value of the emission to get the average value.</p> <p>Hand-held or body-worn devices are rotated through three orthogonal axes to determine which attitude and configuration produces the highest emission relative to the limit and therefore shall be used for final testing.</p> <p>During testing the EUT is rotated all around to find the maximum levels of emissions. Equipment and cables are placed and moved within the range of position likely to find their maximum emissions.</p> <p>For final testing below 1 GHz an open field test-site is used and the plots recorded in the fully or semi anechoic room are indicated as prescans.</p>	

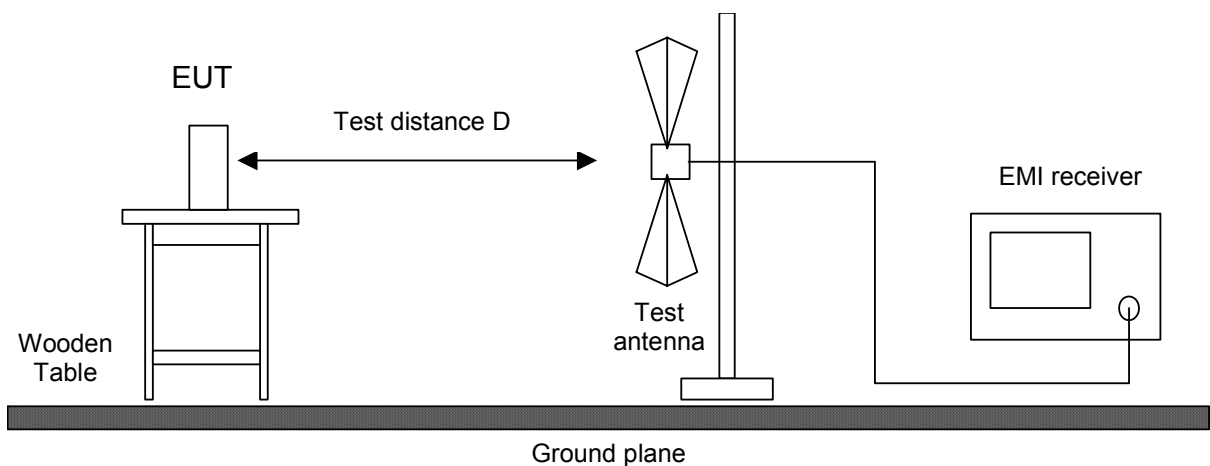


Test instruments used:

Used	Type	Model	Serial No. or ID	Manufacturer
<input checked="" type="checkbox"/>	Spectrum Analyzer	FSP 30	100063	Rohde & Schwarz
<input type="checkbox"/>	Spectrum analyzer	R 3271	05050023	Advantest
<input type="checkbox"/>	EMI test receiver	ESMI	839379/013 839587/006	Rohde & Schwarz
<input checked="" type="checkbox"/>	EMI test receiver	ESU8	100232	Rohde & Schwarz
<input checked="" type="checkbox"/>	Preamplifier	CPA9231A	3393	Schaffner
<input type="checkbox"/>	Preamplifier	R14601		Advantest
<input checked="" type="checkbox"/>	Preamplifier 1-8 GHz	AFS3-00100800-32-LN	847743	Miteq
<input type="checkbox"/>	Preamplifier 0.5-8 GHz	AMF-4D-005080-25-13P	860149	Miteq
<input checked="" type="checkbox"/>	Preamplifier 8-18 GHz	ACO/180-3530	32641	CTT
<input type="checkbox"/>	External Mixer	WM782A	845881/005	Tektronix
<input type="checkbox"/>	Harmonic Mixer	FS-Z30	843389/007	Rohde & Schwarz
	Accessories			
<input checked="" type="checkbox"/>	Trilog broadband antenna	VULB 9163	9163-188	Schwarzbeck
<input checked="" type="checkbox"/>	Trilog broadband antenna	VULB 9163	9163-214	Schwarzbeck
<input checked="" type="checkbox"/>	Horn antenna	3115	9508-4553	EMCO
<input type="checkbox"/>	Horn antenna	3160-03	9112-1003	EMCO
<input checked="" type="checkbox"/>	Horn antenna	3160-04	9112-1001	EMCO
<input checked="" type="checkbox"/>	Horn antenna	3160-05	9112-1001	EMCO
<input checked="" type="checkbox"/>	Horn antenna	3160-06	9112-1001	EMCO
<input checked="" type="checkbox"/>	Horn antenna	3160-07	9112-1008	EMCO
<input type="checkbox"/>	Horn antenna	3160-08	9112-1002	EMCO
<input type="checkbox"/>	Horn antenna	3160-09	9403-1025	EMCO
<input type="checkbox"/>	Horn antenna	3160-10	399185	EMCO
<input checked="" type="checkbox"/>	Fully anechoic room	No. 2	1452	Albatross Projects
<input type="checkbox"/>	Semi-anechoic room	No. 3	1453	Siemens
<input checked="" type="checkbox"/>	Semi-anechoic room	No. 8	2057	Albatross Projects

6.6 Radiated Emission at Open Field Test Site

Measurement Procedure:	
Rules and specifications:	CFR 47 Part 15, sections 15.109, 15.215(b) and 15.249 IC RSS-Gen Issue 2, sections 6(a), 7.2.3.2 IC RSS-210 Issue 7, section A2.9
Guide:	ANSI C63.4
<p>Radiated emission at open field test site is measured in the frequency range 30 MHz to 1 GHz using a biconical antenna up to 300 MHz and a logarithmic periodic antenna above. The measurement bandwidth of the test receiver is set to 120 kHz with quasi-peak detector selected.</p> <p>If the radiated emission limits are expressed in terms of the average value of the emission there also is a peak limit corresponding to 20 dB above the maximum permitted average limit. Additionally, if pulsed operation is employed, the average field strength is determined by averaging over one complete pulse train, including blanking intervals, as specified in CFR 47 Part 15 section 15.35(c). If the pulse train exceeds 0.1 second that 0.1 second interval during which the value of the emission is at its maximum is selected for calculation. The pulse train correction is added to the peak value of the emission to get the average value.</p> <p>Hand-held or body-worn devices are tested in the position producing the highest emission relative to the limit as verified by prescans in the fully anechoic room. EUT is rotated all around and receiving antenna is raised and lowered within 1 meter to 4 meters to find the maximum levels of emission. Equipment and cables are placed and moved within the range of position likely to find their maximum emissions.</p> <p>For measuring emissions of intentional radiators and receivers a test distance D of 3 meters is selected. Testing of unintentional radiators is performed at a distance of 10 meters. If limits specified for 3 meters shall be used for measurements performed at 10 meters distance the limits are calculated according to CFR 47 Part 15 section 15.31(d) and (f)(1) using an inverse linear-distance extrapolation factor of 20 dB/decade.</p>	





Test instruments used:

Used	Type		Model	Serial No. or ID	Manufacturer
<input checked="" type="checkbox"/>	EMI receiver		ESVP	881120/024	Rohde & Schwarz
<input checked="" type="checkbox"/>	Biconical antenna	EG 1	HK 116	842204/001	Rohde & Schwarz
<input checked="" type="checkbox"/>	Log. per. antenna	EG 1	HL 223	841516/023	Rohde & Schwarz
<input checked="" type="checkbox"/>	Open field test site		EG 1	1450	Senton

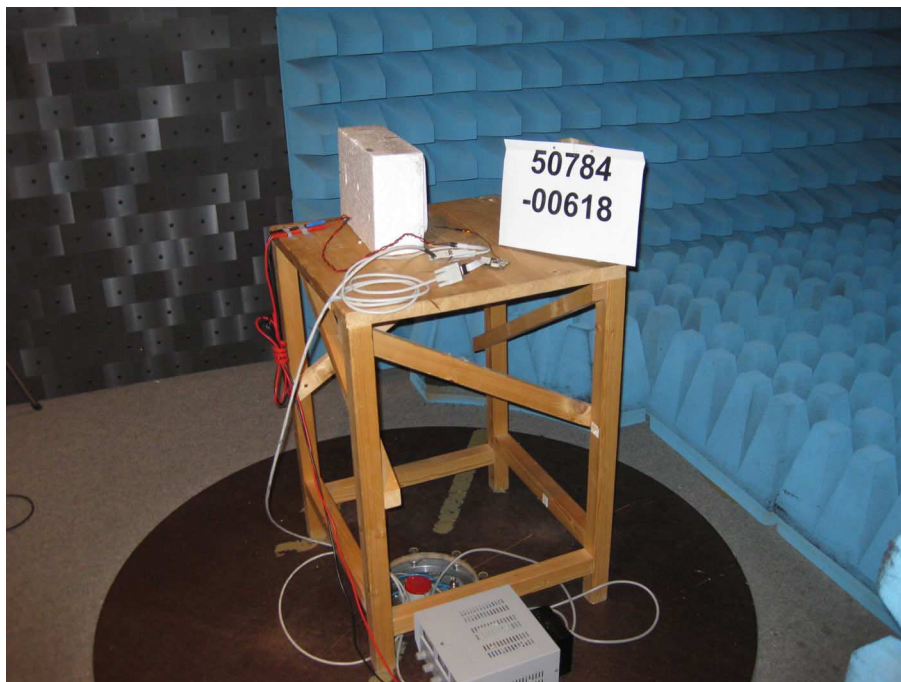


7 Photographs Taken During Testing

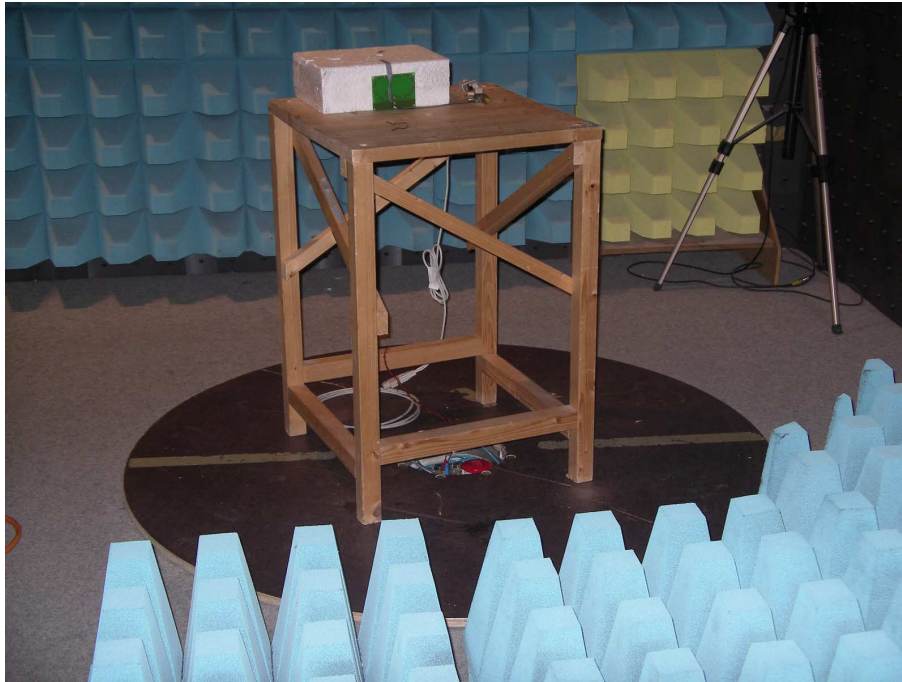
Test setup for conducted DC powerline emission measurement



Test setup for radiated emission measurement (fully anechoic room)



**Test setup for radiated emission measurement
(fully anechoic room)
- continued -**



**Test setup for radiated emission measurement
(fully anechoic room)
- continued -**



Test setup for radiated emission measurement (open field test site)



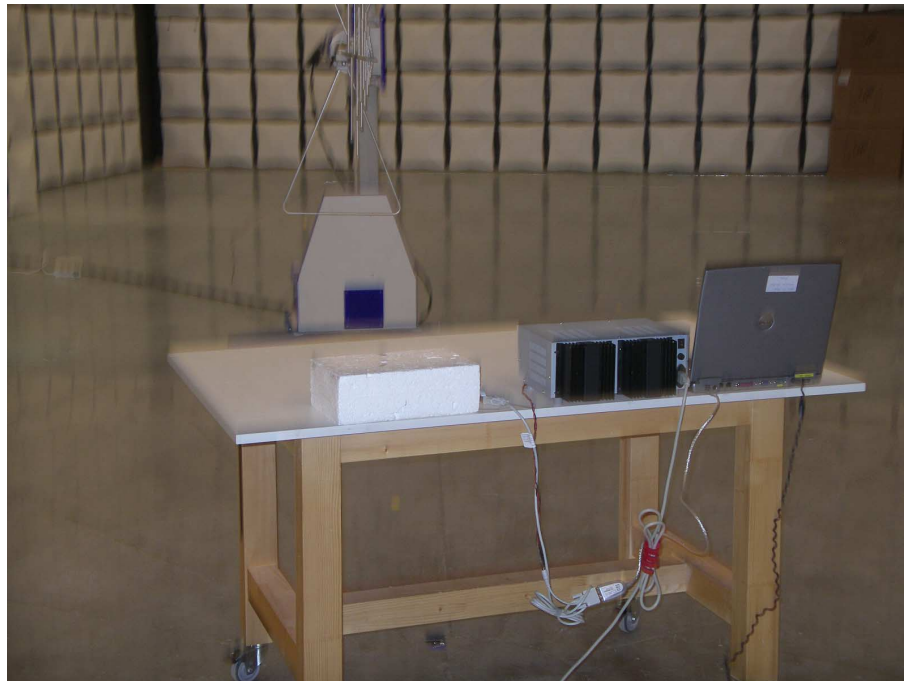
**Test setup for radiated emission measurement
(open field test site)
- continued -**



Test setup for radiated emission measurement (semi anechoic room)



**Test setup for radiated emission measurement
(semi anechoic room)
- continued -**



8 Test Results

FCC CFR 47 Parts 2 and 15			
Section(s)	Test	Page	Result
2.1046(a)	Conducted output power	---	Not applicable
2.202(a)	Occupied bandwidth	32	Recorded
15.204	Antenna requirement	---	Integrated Antenna
15.215(c)	Bandwidth of the emission	38	Test passed
2.201, 2.202	Class of emission	42	Calculated
15.35(c)	Pulse train measurement for pulsed operation	---	Not applicable
15.205(a)	Restricted bands of operation	43	Test passed
15.247(a)(1)(i)	Channel Bandwidth	46	Test passed
15.247(a)(1)	Hopping channel separation	47	Test passed
15.247(a)(1)(i)	Number of hopping frequencies used	50	Test passed
15.247(a)(1)(i)	Time occupancy on any channel	52	Test passed
15.247(b)(2)	Maximum peak output power	56	Test passed
15.207	Conducted AC powerline emission 150 kHz to 30 MHz	---	Not applicable
15.207	Conducted DC powerline emission 150 kHz to 30 MHz	61	Test passed
15.247(d)	Conducted emissions	62	Test passed
15.205(b) 15.247(d)	Radiated emission 9 kHz to 30 MHz	65	Test passed
15.205(b) 15.215(b) 15.247(d)	Radiated emission 30 MHz to 10 GHz	66	Test passed
15.247(i) 2.1093	RF exposure requirement	79	Test passed

IC RSS-Gen Issue 2			
<i>Section(s)</i>	<i>Test</i>	<i>Page</i>	<i>Result</i>
4.8	Transmitter output power (conducted)	---	Not applicable
4.6.1	Occupied Bandwidth	32	Recorded
3.2(h), 8	Designation of emissions	42	Calculated
4.5	Pulsed operation	---	Not applicable
7.2.2	Transmitter AC power lines conducted emissions 150 kHz to 30 MHz	---	Not applicable
7.2.2	Transmitter DC power lines conducted emissions 150 kHz to 30 MHz	61	Test passed
5.5	Exposure of Humans to RF Fields	80	Exempted from SAR and RF evaluation

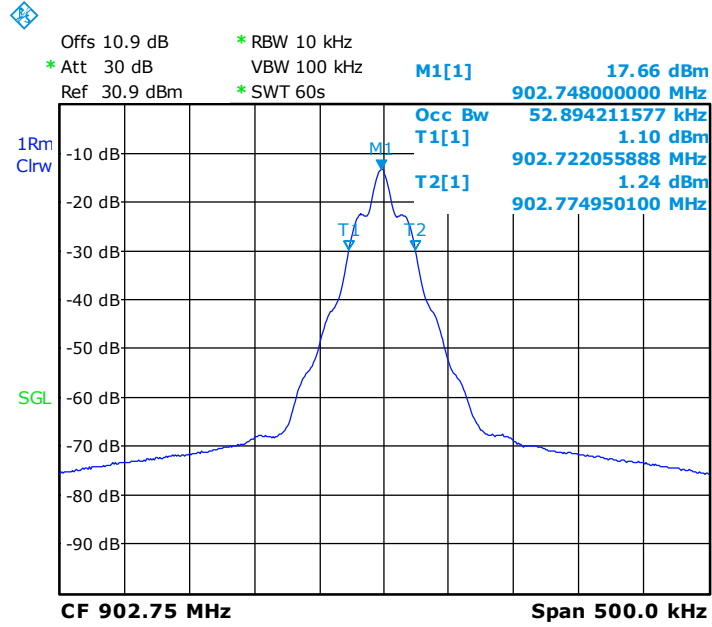
IC RSS-210 Issue 7			
<i>Section(s)</i>	<i>Test</i>	<i>Page</i>	<i>Result</i>
2.2(a)	Restricted bands and unwanted emission frequencies	43	Test passed
7.1.4	Antenna requirement	---	Integrated antenna
A8.1(c)	Channel bandwidth	46	Test passed
A8.1(b)	Hopping channel separation	47	Test passed
A8.1(c)	Number of hopping frequencies used	50	Test passed
A8.1(c)	Time occupancy on any channel	52	Test passed
A8.4(1)	Maximum output power	56	Test passed
A8.5	Conducted emissions	62	Test passed
2.2(b)(c) 2.6 A8.5	Unwanted emissions 9 kHz to 30 MHz	65	Test passed
2.2(b)(c) 2.6 A8.5	Unwanted emissions 30 MHz to 10 GHz	66	Test passed

8.1 Occupied Bandwidth

Rules and specifications:	CFR 47 Part 2, section 2.202(a) ANSI C63.4, annex H.6	
Guide:	ANSI C63.4	
Description:	The occupied bandwidth according to CFR 47 Part 2, section 2.202(a), is measured as the 99% emission bandwidth, i.e. below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5% of the total mean power radiated by a given emission.	
	The occupied bandwidth according to ANSI C63.4, annex H.6; is measured as the frequency range defined by the points that are 26 dB down relative to the maximum level of the modulated carrier.	
	The resolution bandwidth of the spectrum analyzer shall be set to a value greater than 5.0% of the allowed bandwidth. If no bandwidth specifications are given, the following guidelines are used:	
	Fundamental frequency	Minimum resolution bandwidth
	9 kHz to 30 MHz	1 kHz
	30 MHz to 1000 MHz	10 kHz
	1000 MHz to 40 GHz	100 kHz
	The video bandwidth shall be at least three times greater than the resolution bandwidth.	
Measurement procedure:	Bandwidth Measurements (6.2)	

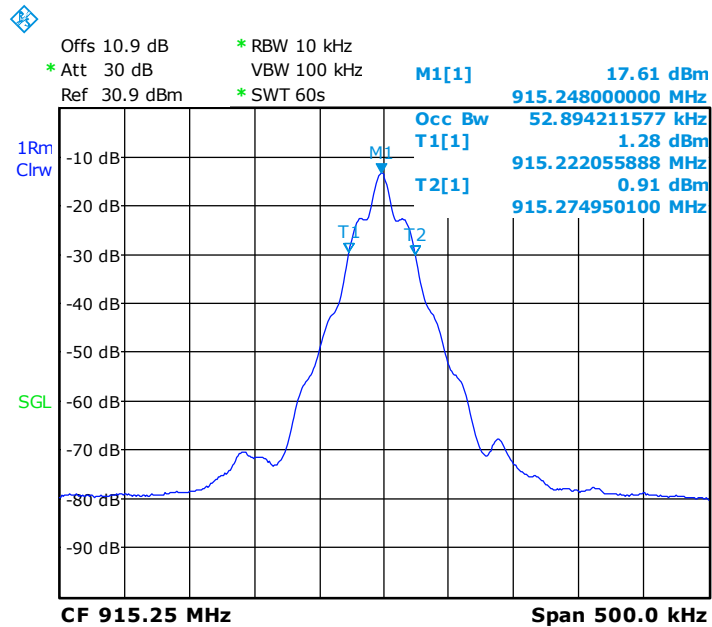
Comment:	
Date of test:	August 14, 2009
Test site:	Fully anechoic room, cabin no. 2

Occupied Bandwidth (99 %):



Date: 14.AUG.2009 13:41:27

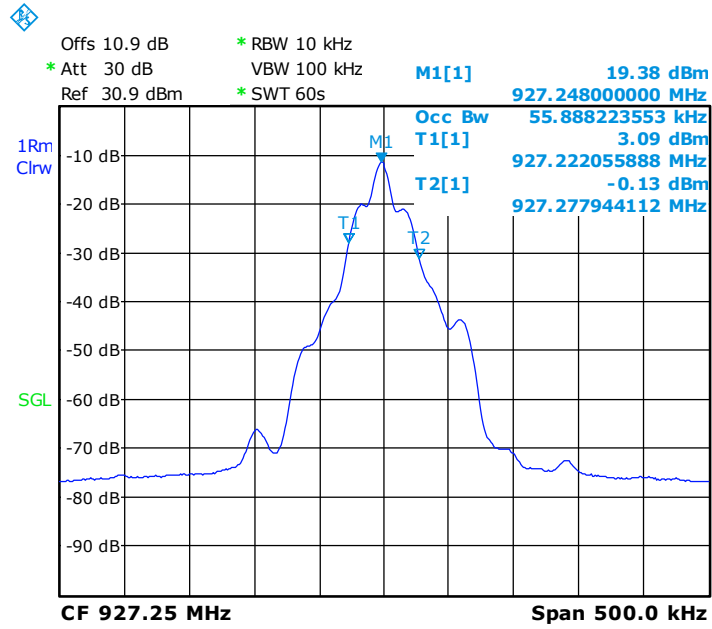
Occupied Bandwidth (99 %): **55.89 kHz**



Date: 14.AUG.2009 13:39:44

Occupied Bandwidth (99 %): **52.89 kHz**

Occupied Bandwidth (99 %) - continued:



Date: 14.AUG.2009 13:18:06

Occupied Bandwidth (99 %):	55.89 kHz
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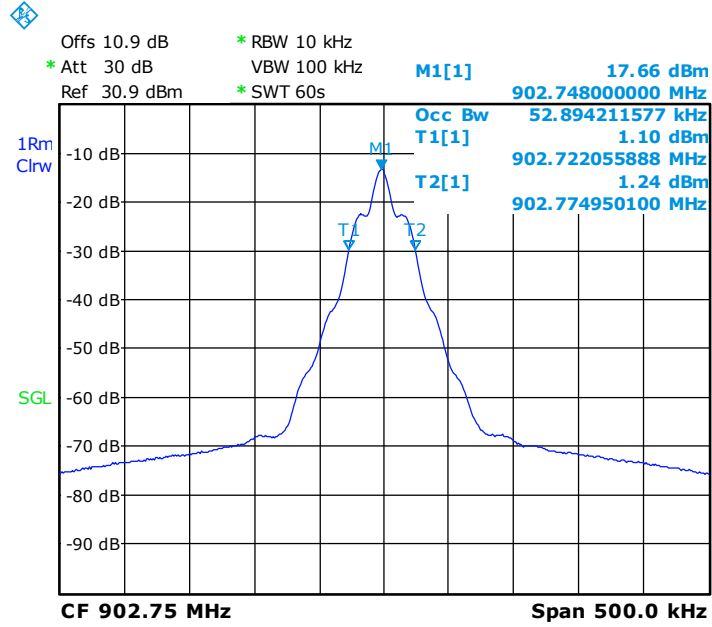


Occupied Bandwidth (continued)

Rules and specifications:	IC RSS-Gen Issue 2, section 4.6.1
Guide:	IC RSS-Gen Issue 2, section 4.6.1
Description:	<p>If not specified in the applicable RSS the occupied bandwidth is measured as the 99% emission bandwidth.</p> <p>The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts. The resolution bandwidth shall be set to as close to 1% of the selected span as is possible without being below 1%. The video bandwidth shall be set to 3 times the resolution bandwidth.</p> <p>The trace data points are recovered and are directly summed in linear terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached and that frequency recorded. The process is repeated for the highest frequency data points. This frequency is also recorded. The span between the two recorded frequencies is the occupied bandwidth.</p>
Measurement procedure:	Bandwidth Measurements (6.2)

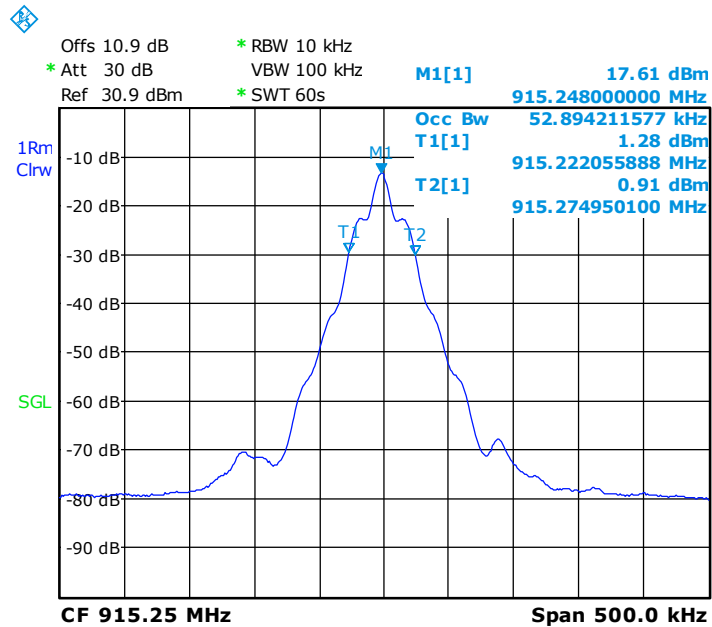
Comment:	
Date of test:	August 14, 2009
Test site:	Fully anechoic room, cabin no. 2

Occupied Bandwidth (99 %):



Date: 14.AUG.2009 13:41:27

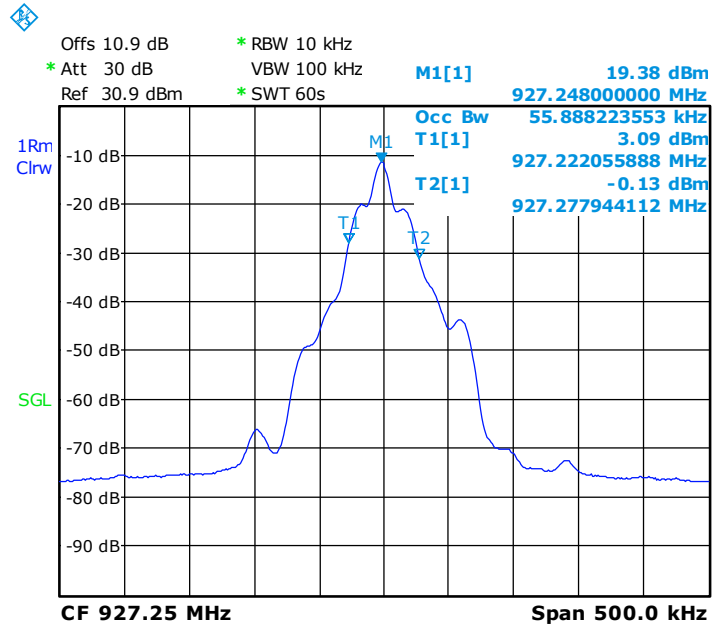
Occupied Bandwidth (99 %): **55.89 kHz**



Date: 14.AUG.2009 13:39:44

Occupied Bandwidth (99 %): **52.89 kHz**

Occupied Bandwidth (99 %) - continued:

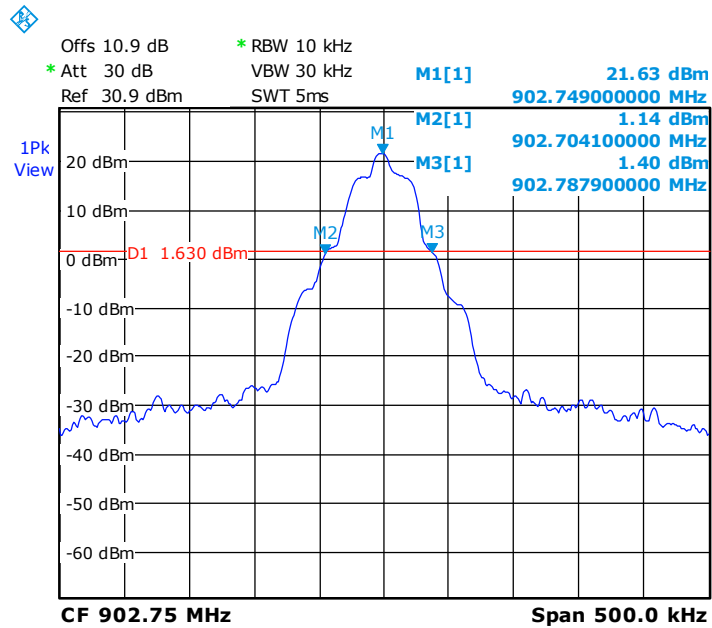


Date: 14.AUG.2009 13:18:06

Occupied Bandwidth (99 %):	55.89 kHz
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8.2 Bandwidth of the Emission

Rules and specifications:	CFR 47 Part 15, section 15.215(c)	
Guide:	ANSI C63.4	
Description:	<p>The 20 dB bandwidth of the emission is measured as the frequency range defined by the points that are 20 dB down relative to the maximum level of the modulated carrier.</p> <p>For intentional radiators operating under the alternative provisions to the general emission limits the requirement to contain the 20 dB bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.</p> <p>The resolution bandwidth of the spectrum analyzer shall be set to a value greater than 5.0% of the allowed bandwidth. If no bandwidth specifications are given, the following guidelines are used:</p>	
	Fundamental frequency	Minimum resolution bandwidth
	9 kHz to 30 MHz	1 kHz
	30 MHz to 1000 MHz	10 kHz
	1000 MHz to 40 GHz	100 kHz
	The video bandwidth shall be at least three times greater than the resolution bandwidth.	
Measurement procedure:	Bandwidth Measurements (6.2)	
Comment:		
Date of test:	August 14, 2009	
Test site:	Fully anechoic room, cabin no. 2	

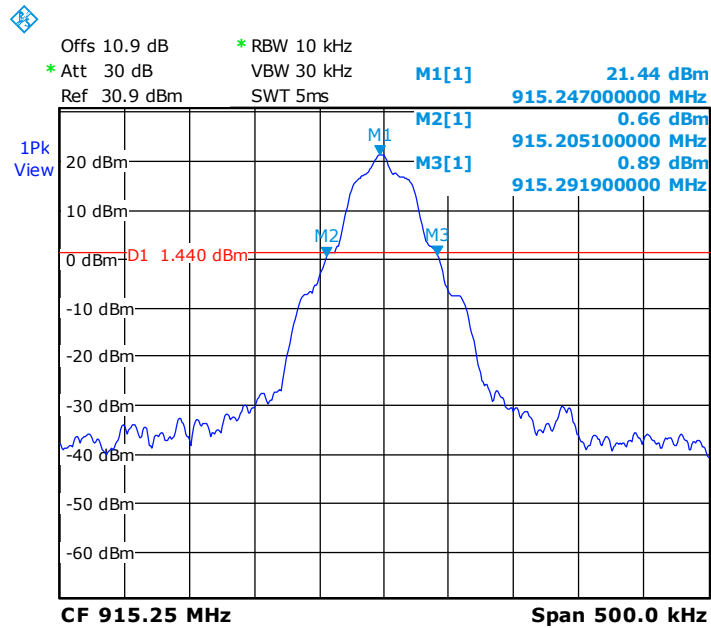


Date: 14.AUG.2009 13:25:06

Permitted frequency band:	902 - 928 MHz	
20 dB bandwidth:	83.8 kHz	
Carrier frequency stability:	<input type="checkbox"/> specified	<input checked="" type="checkbox"/> not specified
Maximum frequency tolerances:		
Bandwidth of the emission:	within permitted frequency band ⁶ : <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	

Test Result:	Test passed
--------------	-------------

⁶ If a frequency stability is not specified, it is recommended that the fundamental emission is kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

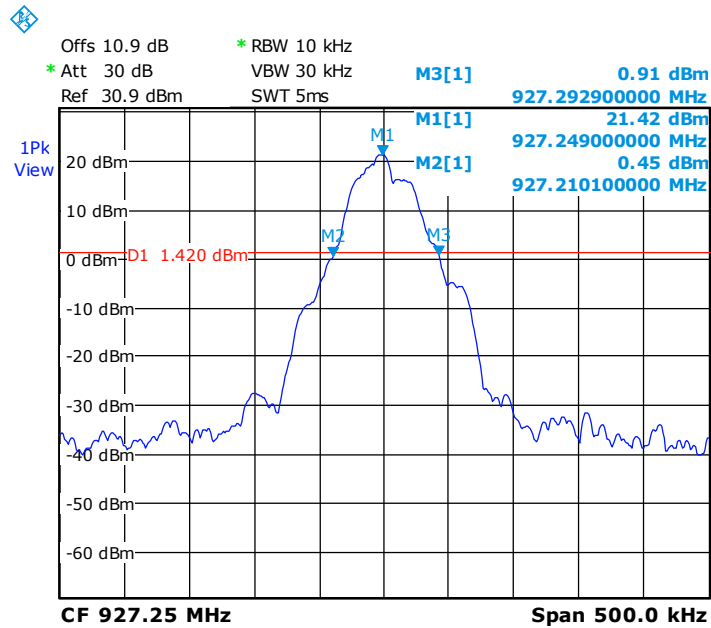


Date: 14.AUG.2009 13:23:32

Permitted frequency band:	902 - 928 MHz	
20 dB bandwidth:	86.8 kHz	
Carrier frequency stability:	<input type="checkbox"/> specified	<input checked="" type="checkbox"/> not specified
Maximum frequency tolerances:		
Bandwidth of the emission:	within permitted frequency band ⁷ : <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	

Test Result:	Test passed
--------------	-------------

⁷ If a frequency stability is not specified, it is recommended that the fundamental emission is kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.



Date: 14.AUG.2009 13:21:25

Permitted frequency band:	902 - 928 MHz	
20 dB bandwidth:	82.8 kHz	
Carrier frequency stability:	<input type="checkbox"/> specified	<input checked="" type="checkbox"/> not specified
Maximum frequency tolerances:		
Bandwidth of the emission:	within permitted frequency band ⁸ : <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	

Test Result:	Test passed
--------------	-------------

⁸ If a frequency stability is not specified, it is recommended that the fundamental emission is kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

8.3 Designation of Emissions

Rules and specifications:	CFR 47 Part 2, sections 2.201 and 2.202 IC RSS-Gen Issue 2, sections 3.2(h) and 8
Guide:	ANSI C63.4 / TRC-43

Type of modulation:	Amplitude Modulation
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B_n = Necessary Bandwidth	$B_n = 2BK$
B = Modulation rate	B = 43 kHz
K = Overall numerical factor	K = 1
Calculation:	$B_n = 2 \cdot (43.4 \text{ kHz}) \cdot 1 = 86.8 \text{ kHz}$

Designation of Emissions:	86K8A1D
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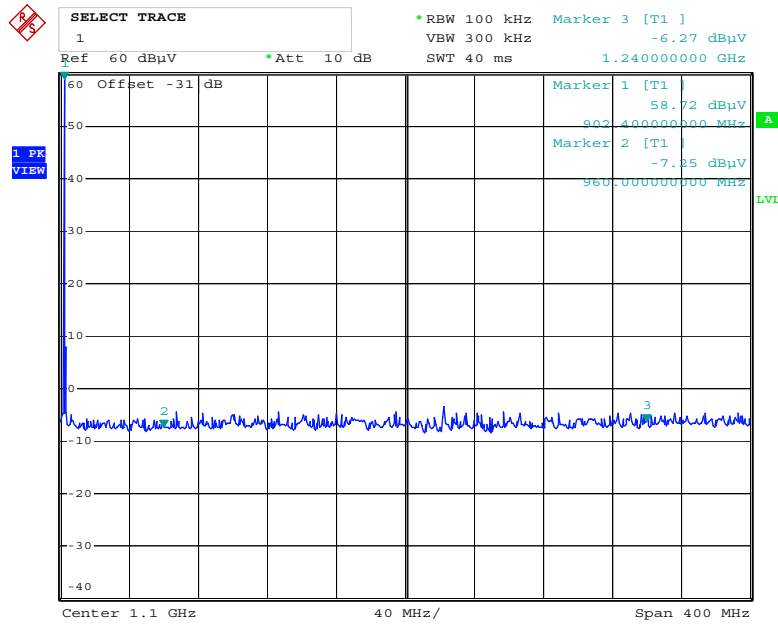


8.4 Restricted Bands of Operation

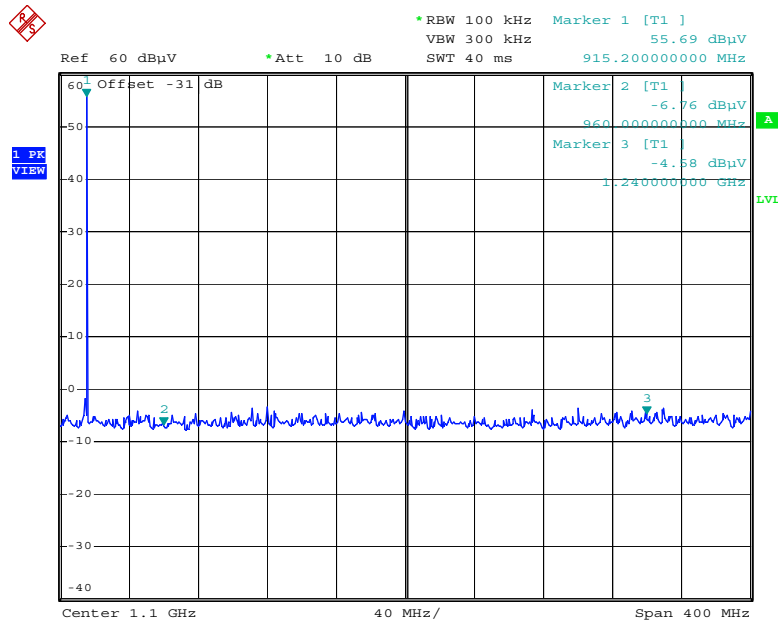
Rules and specifications:	CFR 47 Part 15, section 15.205(a) IC RSS-210 Issue 7, section 2.2(a)
Guide:	ANSI C63.4
Limit:	Only spurious emissions are permitted in any of the frequency bands listed in CFR 47 Part 15, section 15.205(a) or IC RSS-210 Issue 7, section 2.2(a).
Measurement procedure:	Radiated Emission in Fully or Semi Anechoic Room (6.5)

Comment:	
Date of test:	July 29, 2009
Test site:	Fully anechoic room, cabin no. 2
Test distance:	3 meters

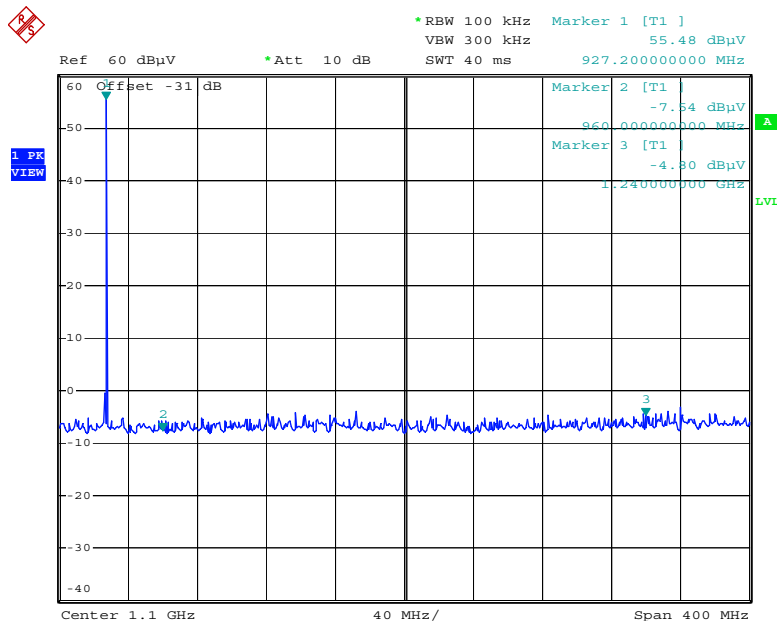
Test Result:	Test passed
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Date: 29.JUL.2009 16:57:55



Date: 29.JUL.2009 16:58:52



Date: 29.JUL.2009 16:59:23



8.5 Channel Bandwidth

Rules and specifications:	CFR 47 Part 15, section 15.247(a)(1)(i) IC RSS-210 Issue 7, section A8.1(c)
Guide:	ANSI C63.4
Limit:	The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz
Measurement procedure:	Radiated Emission in Fully or Semi Anechoic Room (6.5)

Comment:	Please see 8.2 Bandwidth of the Emission for details.
Date of test:	August 14, 2009
Test site:	Fully anechoic room, cabin no. 2
Test distance:	3 meters

Frequency (MHz)	Channel Bandwidth (kHz)	Limit (kHz)	Result
902.75	83.8	≤ 500 kHz	Pass
915.25	86.8	≤ 500 kHz	Pass
927.25	82.8	≤ 500 kHz	Pass

Test Result:	Test passed
--------------	-------------



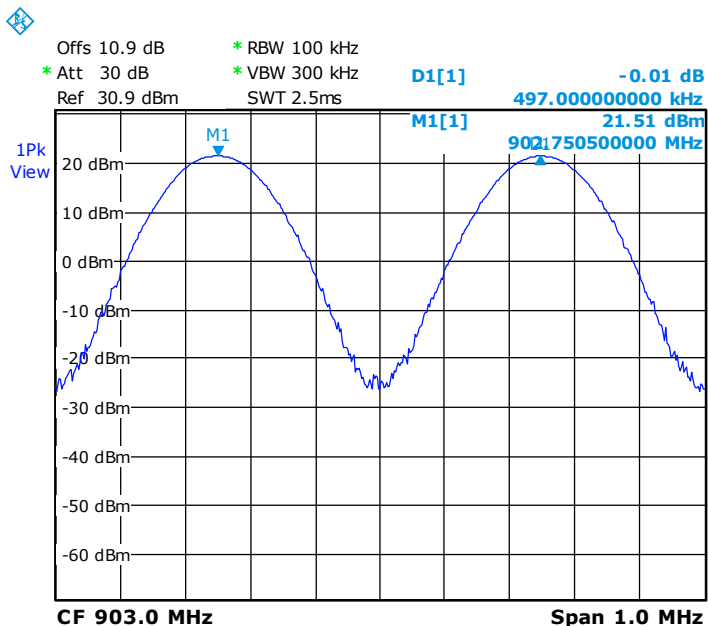
8.6 Hopping channel separation

Rules and specifications:	CFR 47 Part 15, section 15.247(a)(1) IC RSS-210 Issue 7, section A8.1(b)
Guide:	ANSI C63.4
Limit:	Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.
Measurement procedure:	Radiated Emission in Fully or Semi Anechoic Room (6.5)

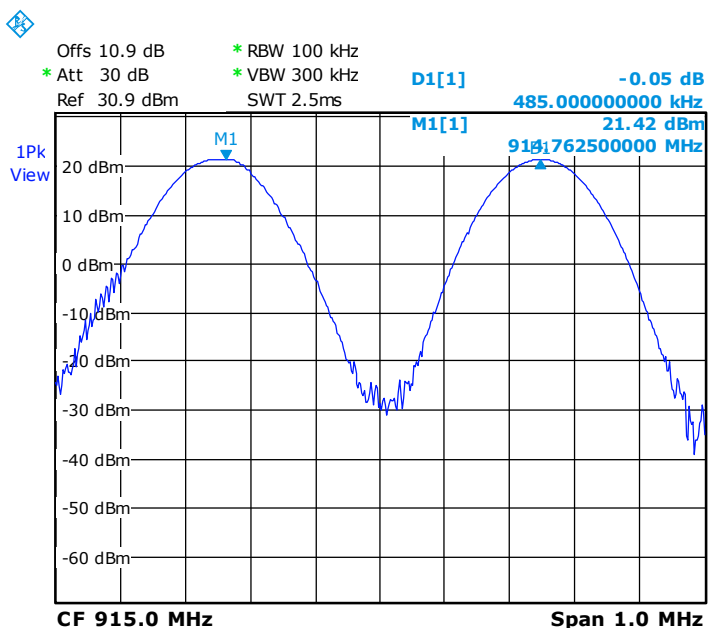
Comment:	
Date of test:	August 14, 2009
Test site:	Fully anechoic room, cabin no. 2
Test distance:	3 meters

Frequency (MHz)	Channel separation (kHz)	Limit (kHz)	Result
902.75	497	≥ 83.8	Pass
915.25	485	≥ 86.8	Pass
927.25	497	≥ 82.8	Pass

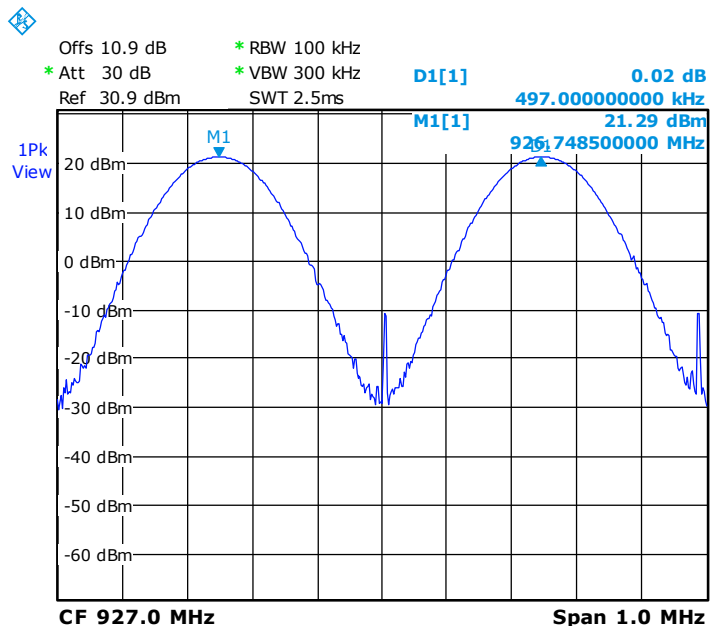
Test Result:	Test passed
--------------	-------------



Date: 14.AUG.2009 14:29:14



Date: 14.AUG.2009 14:29:52



Date: 14.AUG.2009 14:31:04



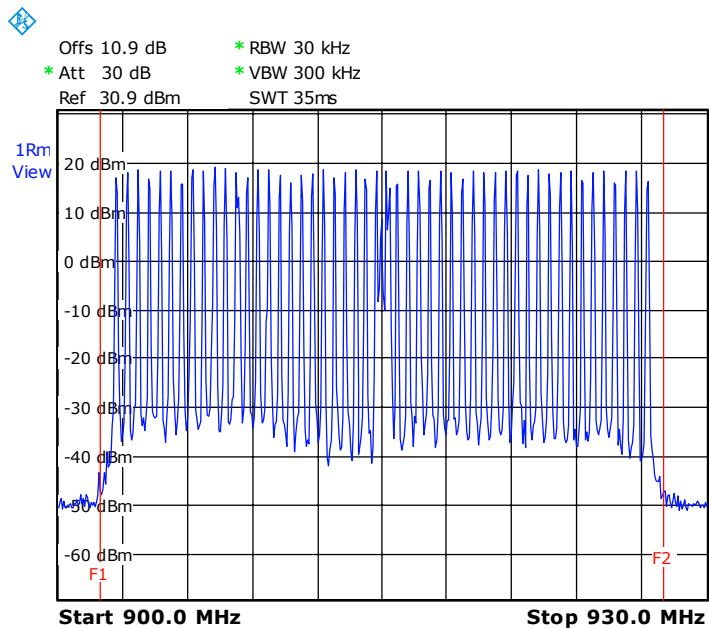
8.7 Number of hopping frequencies used

Rules and specifications:	CFR 47 Part 15, section 15.247(a)(1)(i) IC RSS-210 Issue 7, section A8.1(c)
Guide:	ANSI C63.4
Limit:	If the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies.
Measurement procedure:	Radiated Emission in Fully or Semi Anechoic Room (6.5)

Comment:	
Date of test:	August 14, 2009
Test site:	Fully anechoic room, cabin no. 2
Test distance:	3 meters

Frequencies	Limit	Result
50	≥ 50	Pass

Test Result:	Test passed
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Date: 14.AUG.2009 14:28:04



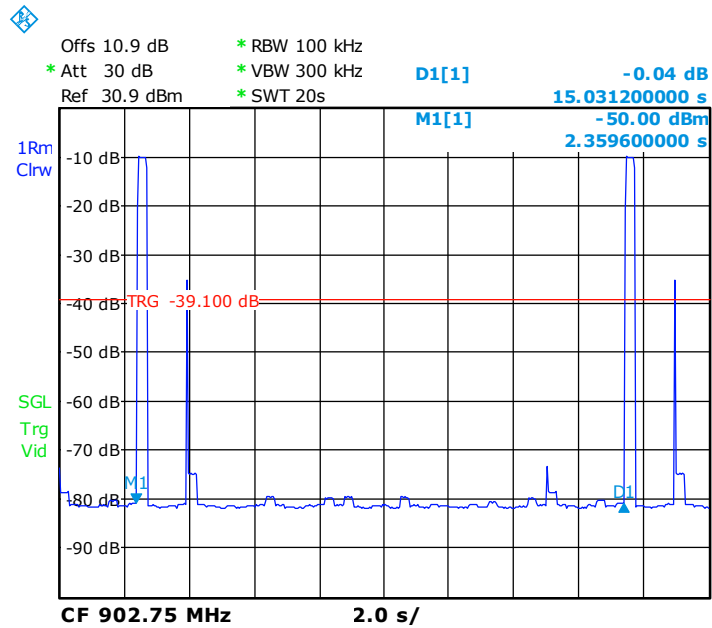
8.8 Time occupancy on any channel

Rules and specifications:	CFR 47 Part 15, section 15.247(a)(1)(i) IC RSS-210 Issue 7, section A8.1(c)
Guide:	ANSI C63.4
Limit:	If the 20 dB bandwidth of the hopping channel is less than 250 kHz, the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 seconds period.
Measurement procedure:	Radiated Emission in Fully or Semi Anechoic Room (6.5)

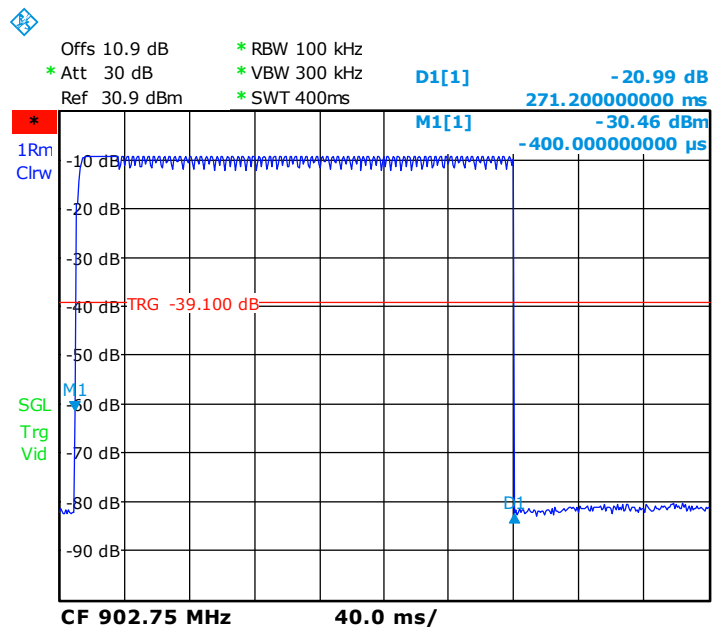
Comment:	
Date of test:	Since the EUT uses a cycle-time of approximately 15 s to use all hopping channels the evaluation was taken for 15 s instead of 20 s. Thus the limit for average time occupancy calculates to 0.3 seconds within a 15 second period.
Test site:	Fully anechoic room, cabin no. 2
Test distance:	3 meters

Frequency (MHz)	Time occupancy (ms in a 15 s period)	Limit (ms in a 15 s period)	Result
902.75	271.2	≤ 300	
915.25	272.0	≤ 300	
927.25	272.0	≤ 300	

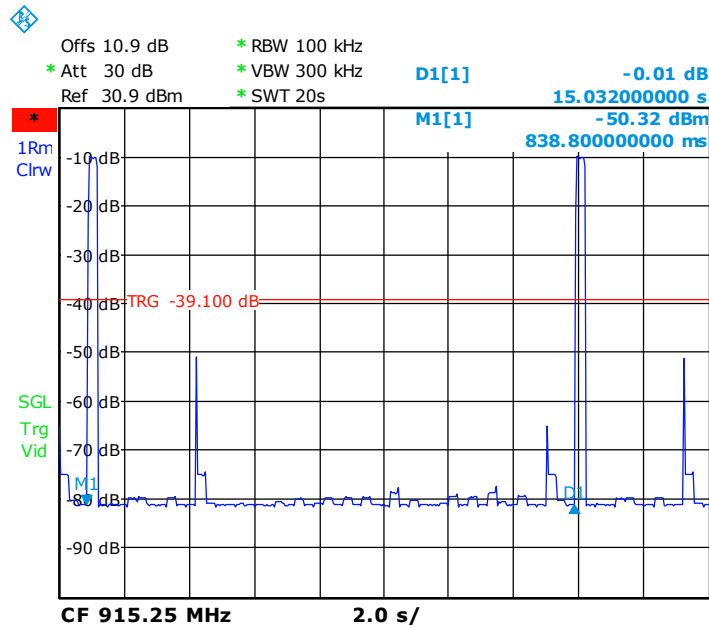
Test Result:	Test passed
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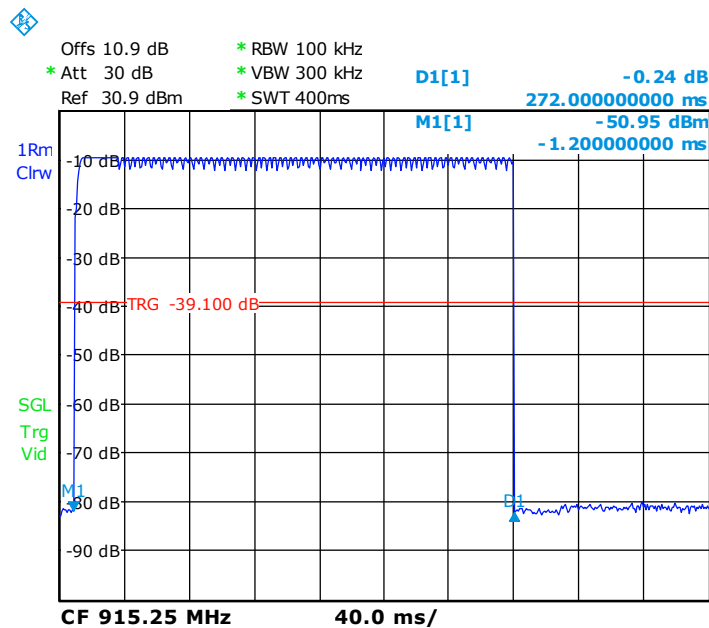
Date: 14.AUG.2009 14:26:29



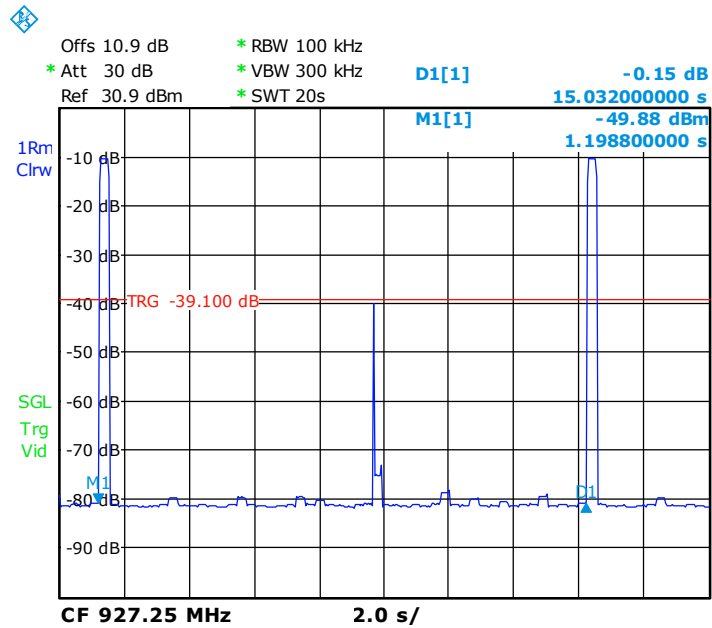
Date: 14.AUG.2009 14:25:24



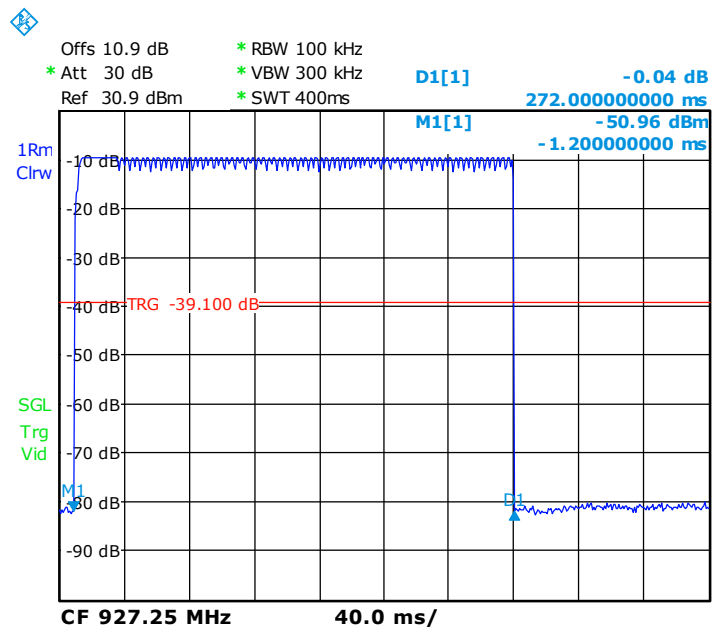
Date: 14.AUG.2009 14:23:50



Date: 14.AUG.2009 14:24:50



Date: 14.AUG.2009 14:22:49



Date: 14.AUG.2009 14:21:29



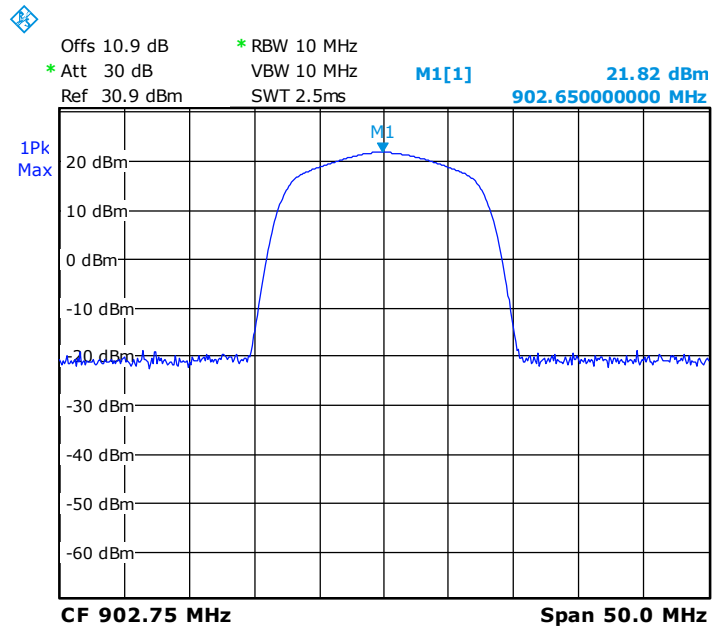
8.9 Maximum output power

Rules and specifications:	CFR 47 Part 15, section 15.247(b)(2) IC RSS-210 Issue 7, section A8.4(1)
Guide:	ANSI C63.4
Limit:	The maximum output power is 1 W (30 dBm) for systems employing at least 50 hopping channels; and 0.25 W (24 dBm) for systems employing less than 50 hopping channels but at least 25 hopping channels.
Measurement procedure:	Conducted Output Power (6.1)

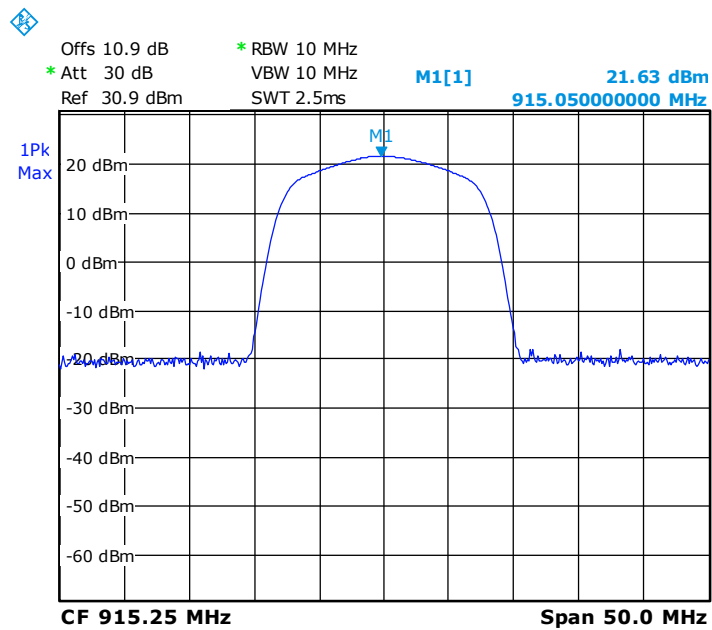
Comment:	
Date of test:	August 14, 2009
Test site:	Fully anechoic room, cabin no. 2
Test distance:	3 meters

Output Port	Frequency (MHz)	Output power (dBm)	Limit (dBm)	Result
1	902.75	21.82	≤ 30	Pass
1	915.25	21.63	≤ 30	Pass
1	927.25	21.49	≤ 30	Pass
2	902.75	21.70	≤ 30	Pass
2	915.25	21.59	≤ 30	Pass
2	927.25	21.49	≤ 30	Pass

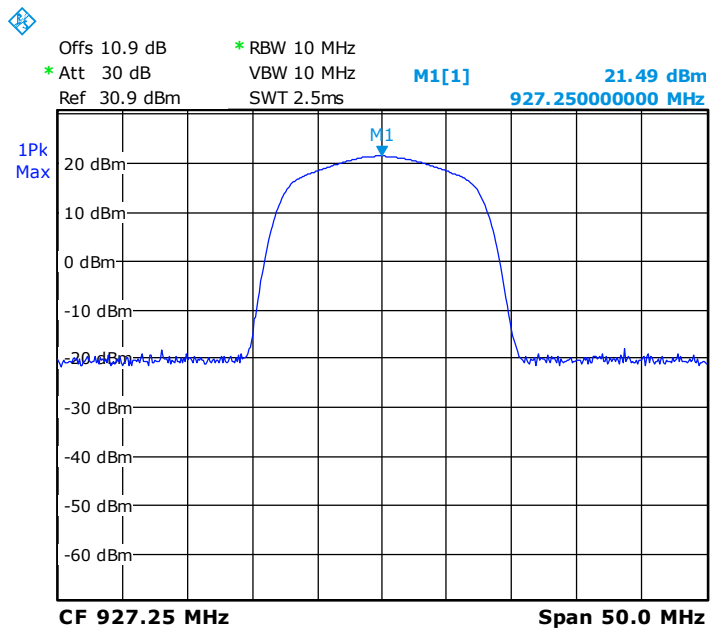
Test Result:	Test passed
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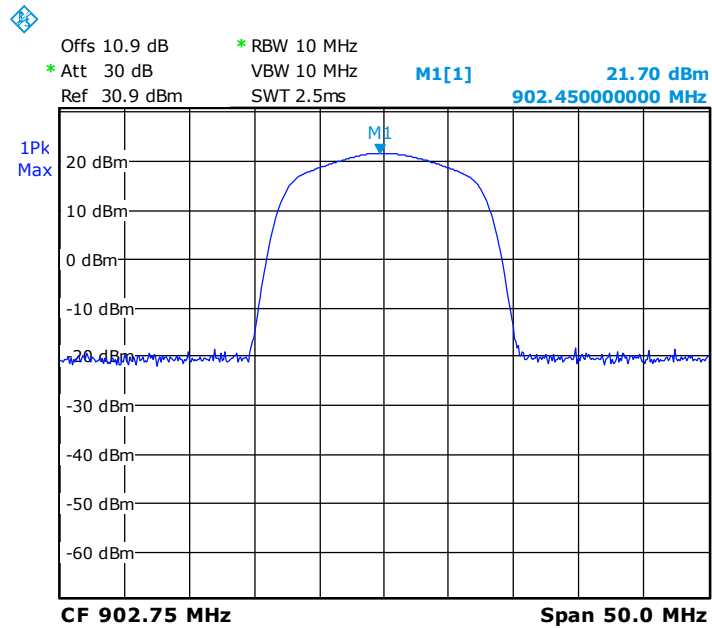
Date: 14.AUG.2009 13:00:45



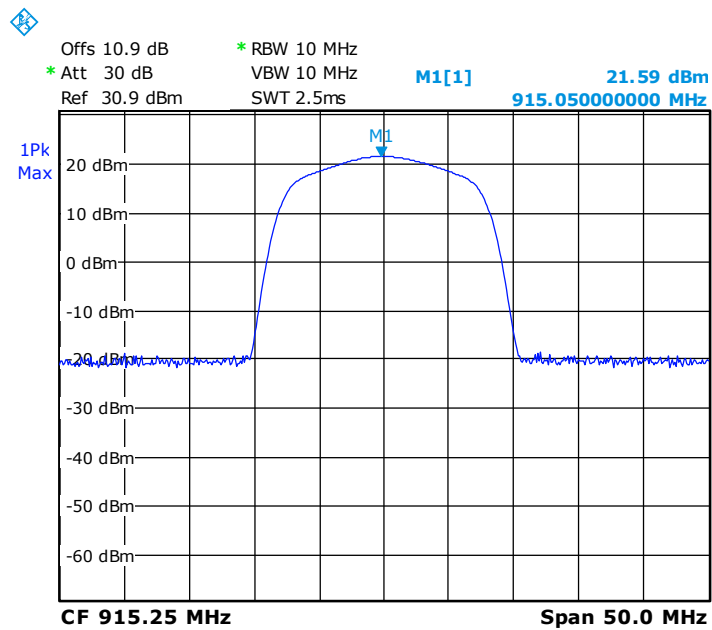
Date: 14.AUG.2009 13:01:53



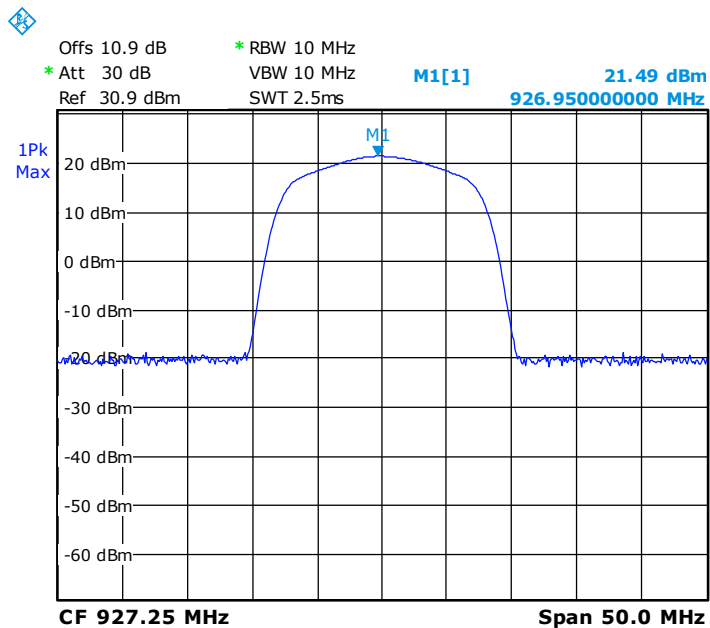
Date: 14.AUG.2009 13:02:38



Date: 14.AUG.2009 13:08:33



Date: 14.AUG.2009 13:09:24



Date: 14.AUG.2009 13:10:18

8.10 Conducted Powerline Emission Measurement 150 kHz to 30 MHz

Rules and specifications:	CFR 47 Part 15, section 15.207 IC RSS-Gen Issue 2, section 7.2.2		
Guide:	ANSI C63.4 / CISPR 22		
Limit:	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
Measurement procedure:	Conducted AC Powerline Emission (6.3)		

Comment:	
Date of test:	August 21, 2009
Test site:	Shielded room, cabin no. 1

Test Result:	Test passed
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Tested on:	Plus
------------	------

Frequency (MHz)	Detector	Reading Value (dBµV)	Correction Factor (dB)	Final Value (dBµV)	Limit (dBµV)	Margin (dB)
0.180	Quasi-Peak	27.1	0.0	27.1	64.5	37.4
0.305	Quasi-Peak	20.6	0.0	20.6	60.1	39.5
0.450	Quasi-Peak	12.4	0.0	12.4	56.9	44.5

Tested on:	Minus
------------	-------

Frequency (MHz)	Detector	Reading Value (dBµV)	Correction Factor (dB)	Final Value (dBµV)	Limit (dBµV)	Margin (dB)
0.175	Quasi-Peak	22.8	0.0	22.8	64.7	41.9
0.275	Quasi-Peak	14.9	0.0	14.9	61.0	46.1

Sample calculation of final values:

$$\text{Final Value (dBµV)} = \text{Reading Value (dBµV)} + \text{Correction Factor (dB)}$$



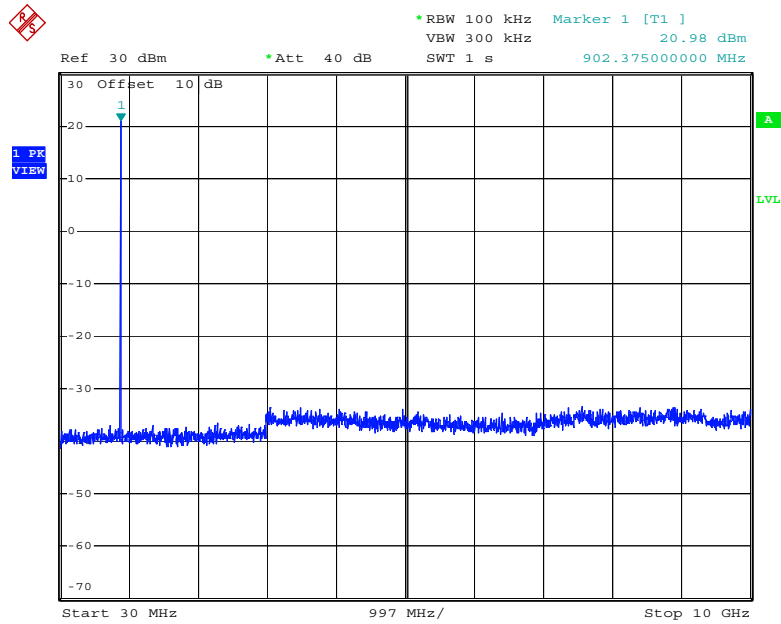
8.11 Conducted Emission Measurement 30 MHz to 10 GHz

Rules and specifications:	CFR 47 Part 15, section 15.247(d) IC RSS-210 Issue 7, section A8.5
Guide:	ANSI C63.4
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits
Measurement procedure:	Conducted Output Power (6.1)

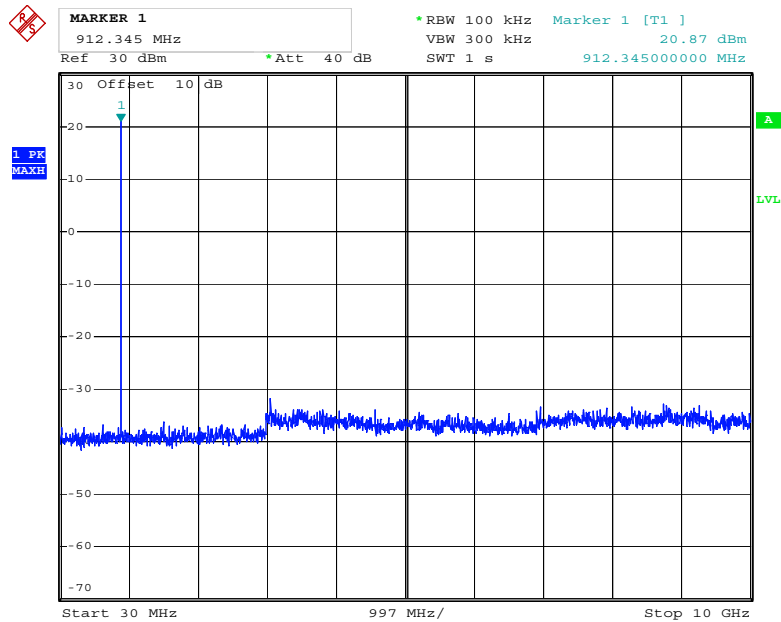
Comment:	
Date of test:	August 21, 2009
Test site:	Open field test site

All emissions of all testings show more than 20 dB margin to the limit, no values recorded.

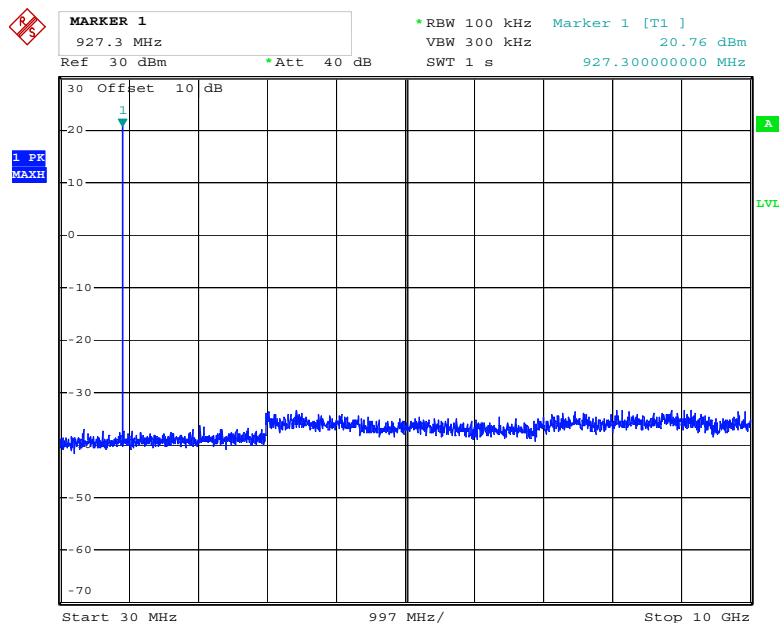
Test Result:	Test passed
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Date: 21.AUG.2009 10:13:38



Date: 21.AUG.2009 10:12:50



Date: 21.AUG.2009 10:12:16

8.12 Radiated Emission Measurement 9 kHz to 30 MHz

Rules and specifications:	CFR 47 Part 15, sections 15.205 and 15.209 IC RSS-210 Issue 7, sections 2.2 and 2.6			
Guide:	ANSI C63.4			
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands must also comply the radiated emission limits specified in Section 15.209(a).			
Limit acc. to 15.209(a):	Frequency of Emission (MHz)	Field Strength ($\mu\text{V}/\text{m}$)	Field Strength ($\text{dB}\mu\text{V}/\text{m}$)	Measurement Distance d (meters)
	0.009 - 0.490	$2400/F(\text{kHz})$	$67.6 - 20 \cdot \log(F(\text{kHz}))$	300
	0.490 - 1.705	$24000/F(\text{kHz})$	$87.6 - 20 \cdot \log(F(\text{kHz}))$	30
	1.705 - 30.000	30	29.5	30
	Additionally, the level of any unwanted emissions shall not exceed the level of the fundamental emission.			
Measurement procedure:	Radiated Emission Measurement 9 kHz to 30 MHz (6.4)			

Comment:	Transmitting with antenna ID ISC.ANT.U170/170-FCC
Date of test:	July 29, 2009
Test site:	Open field test site

All emissions show more than 20 dB margin to the limit, no values recorded.

Test Result:	Test passed
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Comment:	Transmitting with antenna ID ISC.ANT.U100/75-FCC
Date of test:	January 13, 2010
Test site:	Open field test site

All emissions show more than 20 dB margin to the limit, no values recorded.

Test Result:	Test passed
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8.13 Radiated Emission Measurement 30 MHz to 10 GHz

Rules and specifications:	CFR 47 Part 15, sections 15.215(b) and 15.247 IC RSS-210 Issue 7, section A8		
Guide:	ANSI C63.4		
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands must also comply the radiated emission limits specified in Section 15.209(a).		
Limit acc. to 15.209(a):	Frequency of Emission (MHz)	Field Strength (µV/m)	Field Strength (dBµV/m)
	30 - 88	100	40.0
	88 - 216	150	43.5
	216 - 960	200	46.0
	Above 960	500	54.0
	Additionally, the level of any unwanted emissions shall not exceed the level of the fundamental emission.		
Measurement procedures:	Radiated Emission in Fully or Semi Anechoic Room (6.5) Radiated Emission at Open Field Test Site (6.6)		

Test Result:	Test passed
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Comment:	Transmitting with antenna ID ISC.ANT.U170/170-FCC	
Mode:	Transmitting with 902.75 MHz and antenna port 1	
Date of test:	July 29, 2009; August 14, 2009	
Test site:	Frequencies ≤ 1 GHz: Open field test site Frequencies > 1 GHz: Fully anechoic room, cabin no. 2	
Test distance:	Frequencies ≤ 8.2 GHz:	3 meters
	Frequencies > 8.2 GHz:	1 meters

Frequency (MHz)	Antenna Polarization	Detector	Receiver Reading (dBµV)	Correction Factor (dB/m)	Pulse Train Correction (dB)	Final Value (dBµV/m)	Limit (dBµV/m)	Margin (dB)
902.750	vertical	Quasi-Peak	92.6	27.7		120.3		
1804.000	horizontal	Peak	14.6	31.3		45.9	100.3	54.4

Sample calculation of final values:

$$\text{Final Value (dB}\mu\text{V/m)} = \text{Reading Value (dB}\mu\text{V)} + \text{Correction Factor (dB/m)} + \text{Pulse Train Correction (dB)}$$



Comment:	Transmitting with antenna ID ISC.ANT.U170/170-FCC
Mode:	Transmitting with 915.25 MHz and antenna port 1
Date of test:	July 29, 2009; August 14, 2009
Test site:	Frequencies ≤ 1 GHz: Open field test site Frequencies > 1 GHz: Fully anechoic room, cabin no. 2
Test distance:	Frequencies ≤ 8.2 GHz: 3 meters Frequencies > 8.2 GHz: 1 meters

Frequency (MHz)	Antenna Polarization	Detector	Receiver Reading (dBµV)	Correction Factor (dB/m)	Pulse Train Correction (dB)	Final Value (dBµV/m)	Limit (dBµV/m)	Margin (dB)
915.250	vertical	Quasi-Peak	91.3	27.6		118.9		
1828.000	vertical	Peak	19.0	31.4		50.4	98.9	48.5
2746.000	vertical	Peak	5.0	34.8		39.8	54.0	14.2

Sample calculation of final values:

$$\text{Final Value (dB}\mu\text{V/m)} = \text{Reading Value (dB}\mu\text{V)} + \text{Correction Factor (dB/m)} + \text{Pulse Train Correction (dB)}$$



Comment:	Transmitting with antenna ID ISC.ANT.U170/170-FCC	
Mode:	Transmitting with 927.25 MHz and antenna port 1	
Date of test:	July 29, 2009; August 14, 2009	
Test site:	Frequencies ≤ 1 GHz: Open field test site Frequencies > 1 GHz: Fully anechoic room, cabin no. 2	
Test distance:	Frequencies ≤ 8.2 GHz:	3 meters
	Frequencies > 8.2 GHz:	1 meters

Frequency (MHz)	Antenna Polarization	Detector	Receiver Reading (dBµV)	Correction Factor (dB/m)	Pulse Train Correction (dB)	Final Value (dBµV/m)	Limit (dBµV/m)	Margin (dB)
927.250	vertical	Quasi-Peak	92.8	27.6		120.4		
1852.000	horizontal	Peak	19.5	31.5		51.0	100.4	49.4
1854.400	vertical	Peak	19.0	31.5		50.6	100.4	49.9
2782.000	vertical	Peak	6.0	35.0		41.0	54.0	13.1
5568.800	vertical	Peak	6.3	35.0		41.3	100.4	59.1

Sample calculation of final values:

$$\text{Final Value (dB}\mu\text{V/m)} = \text{Reading Value (dB}\mu\text{V)} + \text{Correction Factor (dB/m)} + \text{Pulse Train Correction (dB)}$$



Comment:	Transmitting with antenna ID ISC.ANT.U170/170-FCC	
Mode:	Transmitting with 902.75 MHz and antenna port 2	
Date of test:	August 12, 2009; August 14, 2009	
Test site:	Frequencies ≤ 1 GHz: Open field test site Frequencies > 1 GHz: Fully anechoic room, cabin no. 2	
Test distance:	Frequencies ≤ 8.2 GHz:	3 meters
	Frequencies > 8.2 GHz:	1 meters

Frequency (MHz)	Antenna Polarization	Detector	Receiver Reading (dBµV)	Correction Factor (dB/m)	Pulse Train Correction (dB)	Final Value (dBµV/m)	Limit (dBµV/m)	Margin (dB)
902.750	horizontal	Quasi-Peak	93.3	27.7		121.0		
1804.000	vertical	Peak	14.8	31.3		46.1	101.0	54.9

Sample calculation of final values:

$$\text{Final Value (dB}\mu\text{V/m)} = \text{Reading Value (dB}\mu\text{V)} + \text{Correction Factor (dB/m)} + \text{Pulse Train Correction (dB)}$$



Comment:	Transmitting with antenna ID ISC.ANT.U170/170-FCC	
Mode:	Transmitting with 915.25 MHz and antenna port 2	
Date of test:	August 12, 2009; August 14, 2009	
Test site:	Frequencies ≤ 1 GHz: Open field test site Frequencies > 1 GHz: Fully anechoic room, cabin no. 2	
Test distance:	Frequencies ≤ 8.2 GHz:	3 meters
	Frequencies > 8.2 GHz:	1 meters

Frequency (MHz)	Antenna Polarization	Detector	Receiver Reading (dBµV)	Correction Factor (dB/m)	Pulse Train Correction (dB)	Final Value (dBµV/m)	Limit (dBµV/m)	Margin (dB)
915.250	vertical	Quasi-Peak	91.4	27.6		119.0		
1828.000	vertical	Peak	19.0	31.4		50.4	99.0	48.6

Sample calculation of final values:

$$\text{Final Value (dB}\mu\text{V/m)} = \text{Reading Value (dB}\mu\text{V)} + \text{Correction Factor (dB/m)} + \text{Pulse Train Correction (dB)}$$



Comment:	Transmitting with antenna ID ISC.ANT.U170/170-FCC	
Mode:	Transmitting with 927.25 MHz and antenna port 2	
Date of test:	August 12, 2009; August 14, 2009	
Test site:	Frequencies ≤ 1 GHz: Open field test site Frequencies > 1 GHz: Fully anechoic room, cabin no. 2	
Test distance:	Frequencies ≤ 8.2 GHz:	3 meters
	Frequencies > 8.2 GHz:	1 meters

Frequency (MHz)	Antenna Polarization	Detector	Receiver Reading (dBµV)	Correction Factor (dB/m)	Pulse Train Correction (dB)	Final Value (dBµV/m)	Limit (dBµV/m)	Margin (dB)
927.250	vertical	Quasi-Peak	92.8	27.6		120.4		
1852.000	vertical	Peak	22.7	31.5		54.3	100.4	46.2
5568.800	vertical	Peak	7.3	35.0		42.3	100.4	58.1

Sample calculation of final values:

$$\text{Final Value (dB}\mu\text{V/m)} = \text{Reading Value (dB}\mu\text{V)} + \text{Correction Factor (dB/m)} + \text{Pulse Train Correction (dB)}$$



Comment:	Transmitting with antenna ID ISC.ANT.U100/75-FCC
Mode:	Transmitting with 902.75 MHz and antenna port 1
Date of test:	January 11, 2010; January 13, 2010
Test site:	Frequencies ≤ 1 GHz: Fully anechoic room, cabin no. 8 Frequencies > 1 GHz: Fully anechoic room, cabin no. 2
Test distance:	Frequencies ≤ 8.2 GHz: 3 meters Frequencies > 8.2 GHz: 1 meters

Frequency (MHz)	Antenna Polarization	Detector	Receiver Reading (dBµV)	Correction Factor (dB/m)	Pulse Train Correction (dB)	Final Value (dBµV/m)	Limit (dBµV/m)	Margin (dB)
902.750	horizontal	Quasi-Peak	86.9	24.5		111.4		
1804.000	horizontal	Peak	3.0	31.3		34.3	91.4	57.1
5477.600	vertical	Peak	2.4	34.9		37.3	91.4	54.1

Sample calculation of final values:

$$\text{Final Value (dB}\mu\text{V/m)} = \text{Reading Value (dB}\mu\text{V)} + \text{Correction Factor (dB/m)} + \text{Pulse Train Correction (dB)}$$



Comment:	Transmitting with antenna ID ISC.ANT.U100/75-FCC
Mode:	Transmitting with 915.25 MHz and antenna port 1
Date of test:	January 11, 2010; January 13, 2010
Test site:	Frequencies ≤ 1 GHz: Fully anechoic room, cabin no. 8 Frequencies > 1 GHz: Fully anechoic room, cabin no. 2
Test distance:	Frequencies ≤ 8.2 GHz: 3 meters Frequencies > 8.2 GHz: 1 meters

Frequency (MHz)	Antenna Polarization	Detector	Receiver Reading (dBµV)	Correction Factor (dB/m)	Pulse Train Correction (dB)	Final Value (dBµV/m)	Limit (dBµV/m)	Margin (dB)
915.250	horizontal	Quasi-Peak	87.2	24.5		111.7		
1828.000	horizontal	Peak	6.6	31.4		38.0	91.7	53.7

Sample calculation of final values:

$$\text{Final Value (dB}\mu\text{V/m)} = \text{Reading Value (dB}\mu\text{V)} + \text{Correction Factor (dB/m)} + \text{Pulse Train Correction (dB)}$$



Comment:	Transmitting with antenna ID ISC.ANT.U100/75-FCC
Mode:	Transmitting with 927.25 MHz and antenna port 1
Date of test:	January 11, 2010; January 13, 2010
Test site:	Frequencies ≤ 1 GHz: Fully anechoic room, cabin no. 8 Frequencies > 1 GHz: Fully anechoic room, cabin no. 2
Test distance:	Frequencies ≤ 8.2 GHz: 3 meters Frequencies > 8.2 GHz: 1 meters

Frequency (MHz)	Antenna Polarization	Detector	Receiver Reading (dBµV)	Correction Factor (dB/m)	Pulse Train Correction (dB)	Final Value (dBµV/m)	Limit (dBµV/m)	Margin (dB)
927.250	horizontal	Quasi-Peak	85.4	24.7		110.1		
1804.000	vertical	Peak	4.4	31.3		35.7	90.1	54.4

Sample calculation of final values:

$$\text{Final Value (dB}\mu\text{V/m)} = \text{Reading Value (dB}\mu\text{V)} + \text{Correction Factor (dB/m)} + \text{Pulse Train Correction (dB)}$$



Comment:	Transmitting with antenna ID ISC.ANT.U100/75-FCC
Mode:	Transmitting with 902.75 MHz and antenna port 2
Date of test:	January 13, 2010
Test site:	Frequencies ≤ 1 GHz: Fully anechoic room, cabin no. 8 Frequencies > 1 GHz: Fully anechoic room, cabin no. 2
Test distance:	Frequencies ≤ 8.2 GHz: 3 meters Frequencies > 8.2 GHz: 1 meters

Frequency (MHz)	Antenna Polarization	Detector	Receiver Reading (dBµV)	Correction Factor (dB/m)	Pulse Train Correction (dB)	Final Value (dBµV/m)	Limit (dBµV/m)	Margin (dB)
902.750	horizontal	Quasi-Peak	87.9	24.5		112.4		
1828.000	vertical	Peak	7.3	31.4		38.7	92.4	53.7
9704.800	horizontal	Peak	8.1	44.2		52.2	92.4	40.2

Sample calculation of final values:

$$\text{Final Value (dB}\mu\text{V/m)} = \text{Reading Value (dB}\mu\text{V)} + \text{Correction Factor (dB/m)} + \text{Pulse Train Correction (dB)}$$



Comment:	Transmitting with antenna ID ISC.ANT.U100/75-FCC
Mode:	Transmitting with 915.25 MHz and antenna port 2
Date of test:	January 13, 2010
Test site:	Frequencies ≤ 1 GHz: Fully anechoic room, cabin no. 8 Frequencies > 1 GHz: Fully anechoic room, cabin no. 2
Test distance:	Frequencies ≤ 8.2 GHz: 3 meters Frequencies > 8.2 GHz: 1 meters

Frequency (MHz)	Antenna Polarization	Detector	Receiver Reading (dBµV)	Correction Factor (dB/m)	Pulse Train Correction (dB)	Final Value (dBµV/m)	Limit (dBµV/m)	Margin (dB)
915.250	horizontal	Quasi-Peak	86.5	24.5		111.0		
1828.000	horizontal	Peak	6.6	31.4		38.0	91.0	53.0

Sample calculation of final values:

$$\text{Final Value (dB}\mu\text{V/m)} = \text{Reading Value (dB}\mu\text{V)} + \text{Correction Factor (dB/m)} + \text{Pulse Train Correction (dB)}$$



Comment:	Transmitting with antenna ID ISC.ANT.U100/75-FCC
Mode:	Transmitting with 927.25 MHz and antenna port 2
Date of test:	January 13, 2010
Test site:	Frequencies ≤ 1 GHz: Fully anechoic room, cabin no. 8 Frequencies > 1 GHz: Fully anechoic room, cabin no. 2
Test distance:	Frequencies ≤ 8.2 GHz: 3 meters Frequencies > 8.2 GHz: 1 meters

Frequency (MHz)	Antenna Polarization	Detector	Receiver Reading (dBµV)	Correction Factor (dB/m)	Pulse Train Correction (dB)	Final Value (dBµV/m)	Limit (dBµV/m)	Margin (dB)
927.250	horizontal	Quasi-Peak	86.6	24.7		111.3		
1852.000	vertical	Peak	8.7	31.5		40.2	91.3	51.1
2782.000	vertical	Peak	0.9	35.0		35.9	54.0	18.1
9272.800	vertical	Peak	9.6	43.9		53.5	91.3	37.8

Sample calculation of final values:

$$\text{Final Value (dB}\mu\text{V/m)} = \text{Reading Value (dB}\mu\text{V)} + \text{Correction Factor (dB/m)} + \text{Pulse Train Correction (dB)}$$

8.14 RF exposure requirement

Rules and specifications:	CFR 47 Part 15, section 15.247(i) CFR 47 Part 1, sections 1.1307(b)(1)				
Guide:	OET Bulletin 65, Edition 97-01				
Limits:	Limits for general population / uncontrolled exposure				
	Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time (minutes)
	0.3 - 1.34	614	1.63	(100)*	30
	1.34 - 30	824 / f	2.19 / f	(180 / f ²)*	30
	30 - 300	27.5	0.073	0.2	30
	300 - 1500	---	---	f/1500	30
	1500 - 100000	---	---	1.0	30
	f = frequency in MHz * Plane-wave equivalent power density				

Spectral power density		Declared by applicant	Measured
Prediction ⁹ :	$S = P G / 4 \pi R^2$		
Where:	S = Power density P = Power input of antenna G = Power gain of the antenna relativ to an isotropic radiator R = Distance to the center of radiation of the antenna		
Maximum output power:	P = 21.82 dBm = 152.05 mW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Antenna gain:	G = 3.5 dBi = 2.338	<input checked="" type="checkbox"/>	
Prediction distance:	R = 23 cm		
Power density at 20 cm:	S = 0.053 mW/cm²		
Limit	S_{lim} = 0.602 mW/cm²		

Test Result:	Test passed
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⁹ MPE Prediction of MPE according to equation from page 19 of OET Bulletin 65, Ed. 97-01

8.15 Exposure of Humans to RF Fields

Rules and specifications:	IC RSS-Gen Issue 2, section 5.5
Guide:	IC RSS-102 Issue 2, section 2.5

Exposure of Humans to RF Fields	Applicable	Declared by applicant	Measured	Exemption
The antenna is				
<input checked="" type="checkbox"/> detachable				
<p>The conducted output power (CP in watts) is measured at the antenna connector:</p> <p style="text-align: center;">$CP = 152.05 \text{ mW}$</p> <p>The effective isotropic radiated power (EIRP in watts) is calculated using</p> <p><input checked="" type="checkbox"/> the numerical antenna gain: $G = 2.338$</p> <p style="text-align: center;">$EIRP = G \cdot CP \Rightarrow EIRP = 0.355 \text{ W}$</p> <p><input checked="" type="checkbox"/> the field strength¹⁰ in V/m: $FS = 1.122 \text{ V/m}$</p> <p style="text-align: center;">$EIRP = \frac{(FS \cdot D)^2}{30} \Rightarrow EIRP = 0.377 \text{ W}$</p> <p>with:</p> <p>Distance between the antennas in m: $D = 3 \text{ m}$</p>	☐	☐	☑	☐
<input type="checkbox"/> not detachable				
<p>A field strength measurement is used to determine the effective isotropic radiated power (EIRP in watts) given by¹⁰:</p> <p style="text-align: center;">$EIRP = \frac{(FS \cdot D)^2}{30} \Rightarrow EIRP = \dots\dots\dots \text{ W}$</p> <p>with:</p> <p>Field strength in V/m: $FS = \dots\dots\dots \text{ V/m}$</p> <p>Distance between the two antennas in m: $D = \dots\dots\dots \text{ m}$</p>	☐	☐	☐	☐
Selection of output power				
<p>The output power TP is the higher of the conducted or effective isotropic radiated power (e.i.r.p.):</p> <p style="text-align: center;">$TP = 0.377 \text{ W}$</p>	☐	☐	☐	☐

¹⁰ The conversion formula is valid only for properly matched antennas. In other cases the transmitter output power may have to be measured by a terminated measurement when applying the exemption clauses. If an open area test site is used for field strength measurement, the effect due to the metal ground reflecting plane should be subtracted from the maximum field strength value in order to reference it to free space, before calculating TP.

9 Referenced Regulations

All tests were performed with reference to the following regulations and standards:

<input checked="" type="checkbox"/>	CFR 47 Part 2	Code of Federal Regulations Part 2 (Frequency allocation and radio treaty matters; General rules and regulations) of the Federal Communication Commission (FCC)	October 1, 2008
<input checked="" type="checkbox"/>	CFR 47 Part 15	Code of Federal Regulations Part 15 (Radio Frequency Devices) of the Federal Communication Commission (FCC)	October 1, 2008
<input checked="" type="checkbox"/>	ANSI C63.4	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	December 11, 2003 (published on January 30, 2004)
<input checked="" type="checkbox"/>	RSS-Gen	Radio Standards Specification RSS-Gen Issue 2 containing General Requirements and Information for the Certification of Radiocommunication Equipment, published by Industry Canada	June 2007
<input checked="" type="checkbox"/>	RSS-210	Radio Standards Specification RSS-210 Issue 7 for Low Power Licence-Exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment, published by Industry Canada	June 2007
<input type="checkbox"/>	RSS-310	Radio Standards Specification RSS-310 Issue 2 for Low-power Licence-exempt Radiocommunication Devices (All Frequency Bands): Category II Equipment, published by Industry Canada	June 2007
<input checked="" type="checkbox"/>	RSS-102	Radio Standards Specification RSS-102 Issue 3: Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands) , published by Industry Canada	June 2009
<input type="checkbox"/>	ICES-003	Interference-Causing Equipment Standard ICES-003 Issue 4 for Digital Apparatus, published by Industry Canada	February 7, 2004
<input checked="" type="checkbox"/>	CISPR 22	Third Edition of the International Special Committee on Radio Interference (CISPR), Pub. 22, "Information Technology Equipment – Radio Disturbance Characteristics – Limits and Methods of Measurement"	1997
<input type="checkbox"/>	CAN/CSA-CEI/IEC CISPR 22	Limits and Methods of Measurement of Radio Disturbance Characteristics of Information Technology Equipment	2002



TRC-43

Notes Regarding Designation of Emission (Including Necessary Bandwidth and Classification), Class of Station and Nature of Service, published by Industry Canada

October 9, 1982



10 Revision History

Revision History			
<i>Edition</i>	<i>Date</i>	<i>Issued by</i>	<i>Modifications</i>
1	12.10.09	M. Steindl (cj)	First edition
2	6.11.09	M. Steindl	Correction of frequency range
3	14.01.10	M. Steindl	Antennas ID ISC.ANT.U100/75-FCC and ID ISC.ANT.U75/75-FCC added
4	20.01.10	M. Steindl	Correction of antenna designation from ID ISC.ANT.U75/75-FCC to ID ISC.ANT.U75/50-FCC
5	23.02.10	M. Steindl	Modification required for FCC-/IC certification (additional information about variant with USB interface included / emission designation changed / antenna information included / RSS-102 exemption declarations changed)

11 Charts taken during testing

Conducted Emission Test 150 kHz - 30 MHz according to FCC Part 15 Subpart C

Model:
ID ISCMU0202

Serial no.:

Applicant:
FEIG ELECTRONIC

Test site:
Shielded room, cabin no. 4

Tested on:
**Linecord DC 5 V
Minus**

Date of test: **08/21/2009** Operator: **M. Steindl**

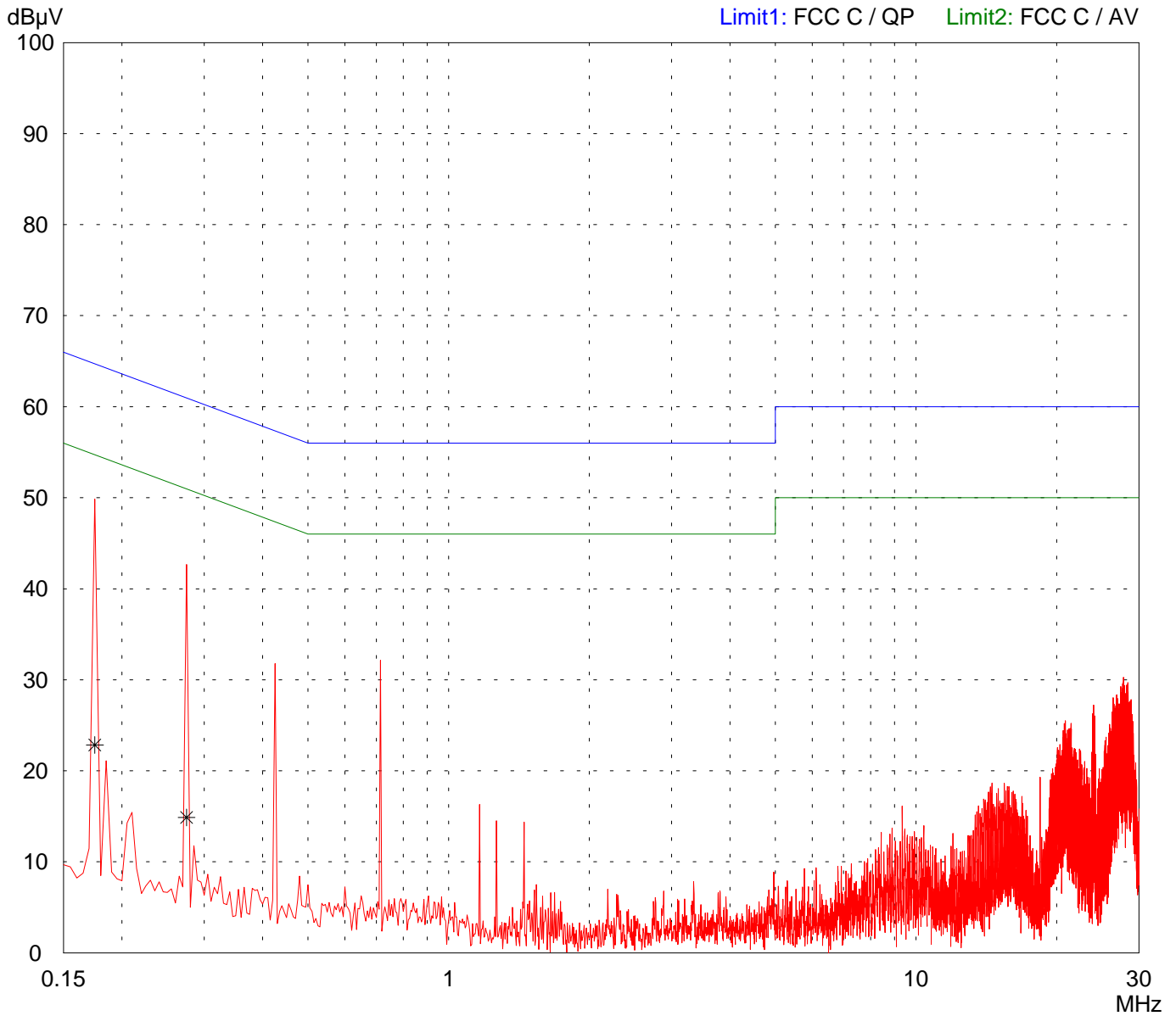
Test performed: **automatically** File name:

Mode:
- 5 V external power supply

- Transmitting continuously, hopping
- With 50 Ohms termination
- Stand alone mode

Detector:
Peak / Final Results: QP

Final results:
20 dB Margin **25 Subranges**



Result:
Limit kept

Project file:
50784-00618-3 Page of Pages

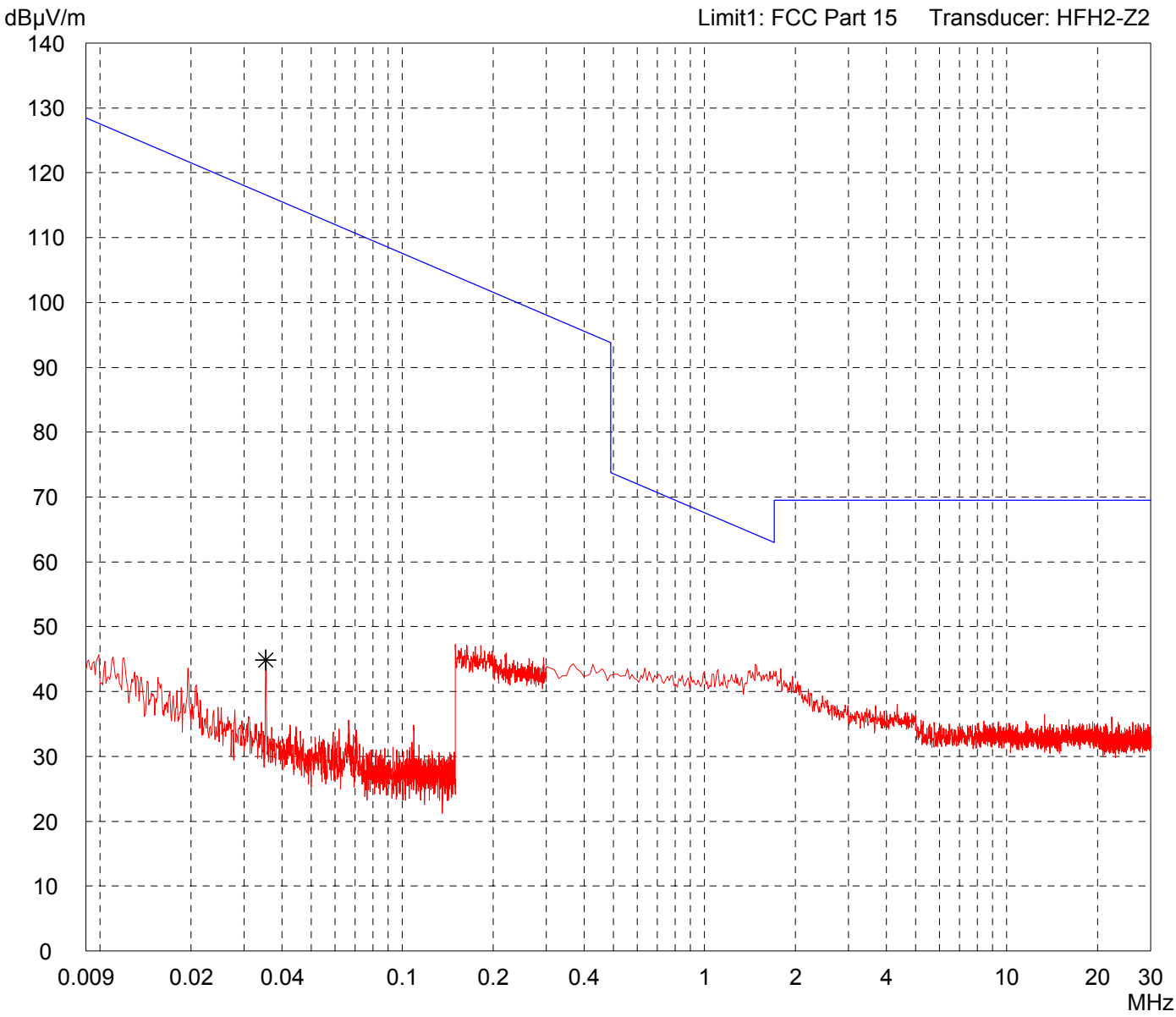
Radiated Emission Test 9 kHz - 30 MHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: by hand	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - With antenna ID ISC.ANT.U170/170-FCC

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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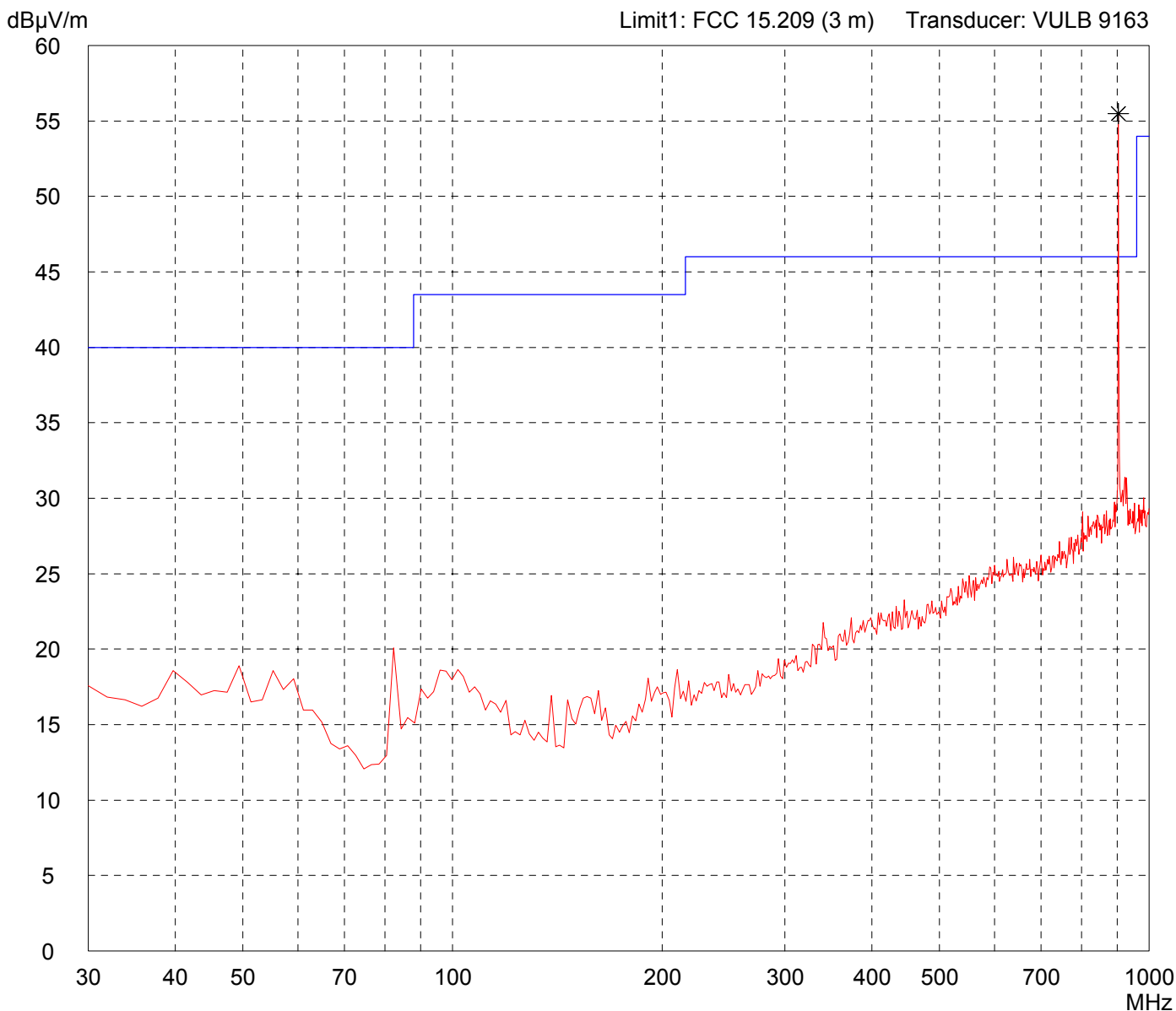
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 902.75 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	
10 dB Margin	50 Subranges



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

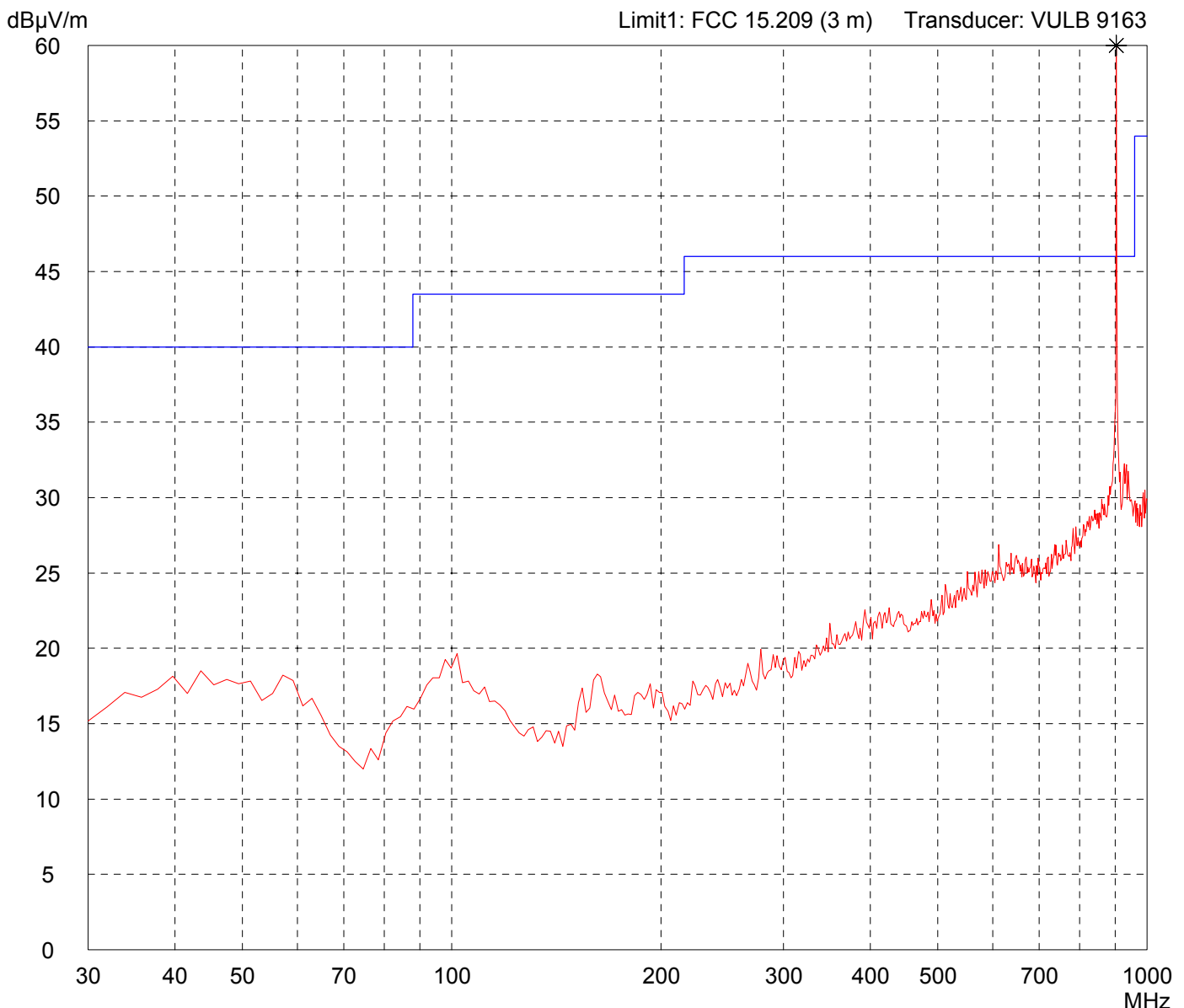
Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:

- 5 V external power supply
- Transmitting continuously with modulation
- Frequency: 902.75 MHz
- With antenna ID ISC.ANT.U170/170-FCC
- With notch filter set to carrier frequency

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
50784-00618-3 Page of Pages

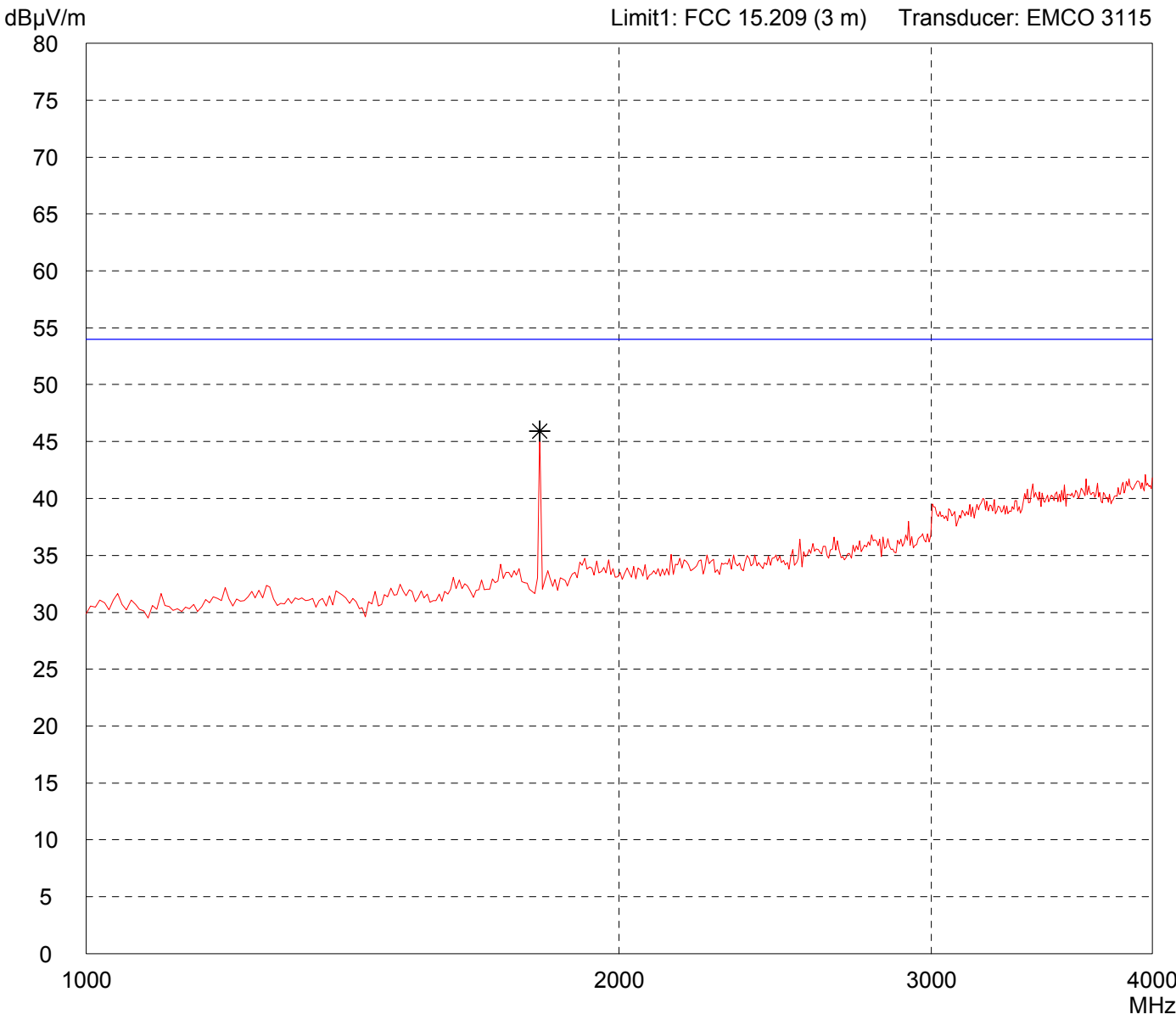
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 902.75 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With high-pass-filter	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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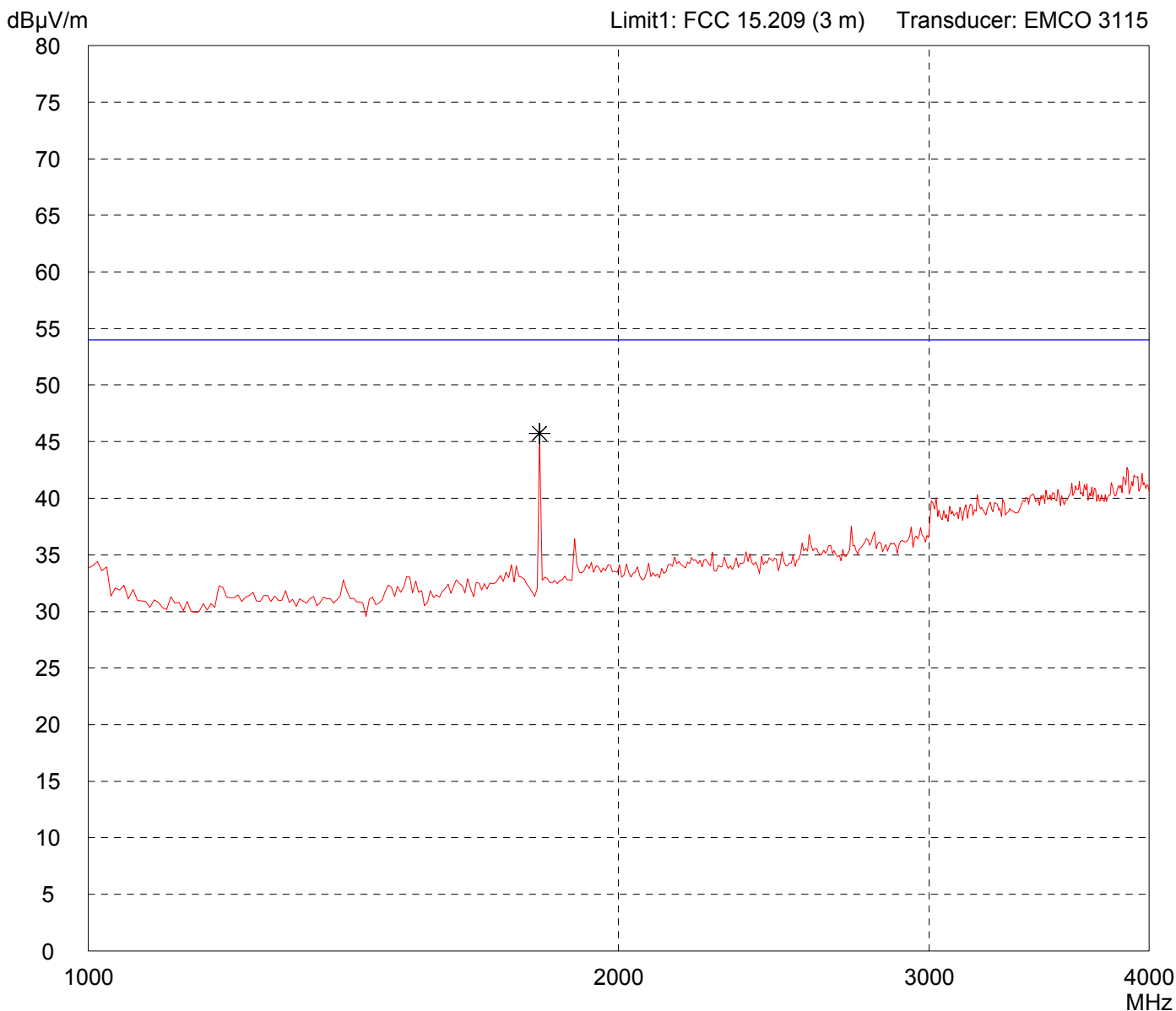
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 902.75 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With high-pass-filter	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

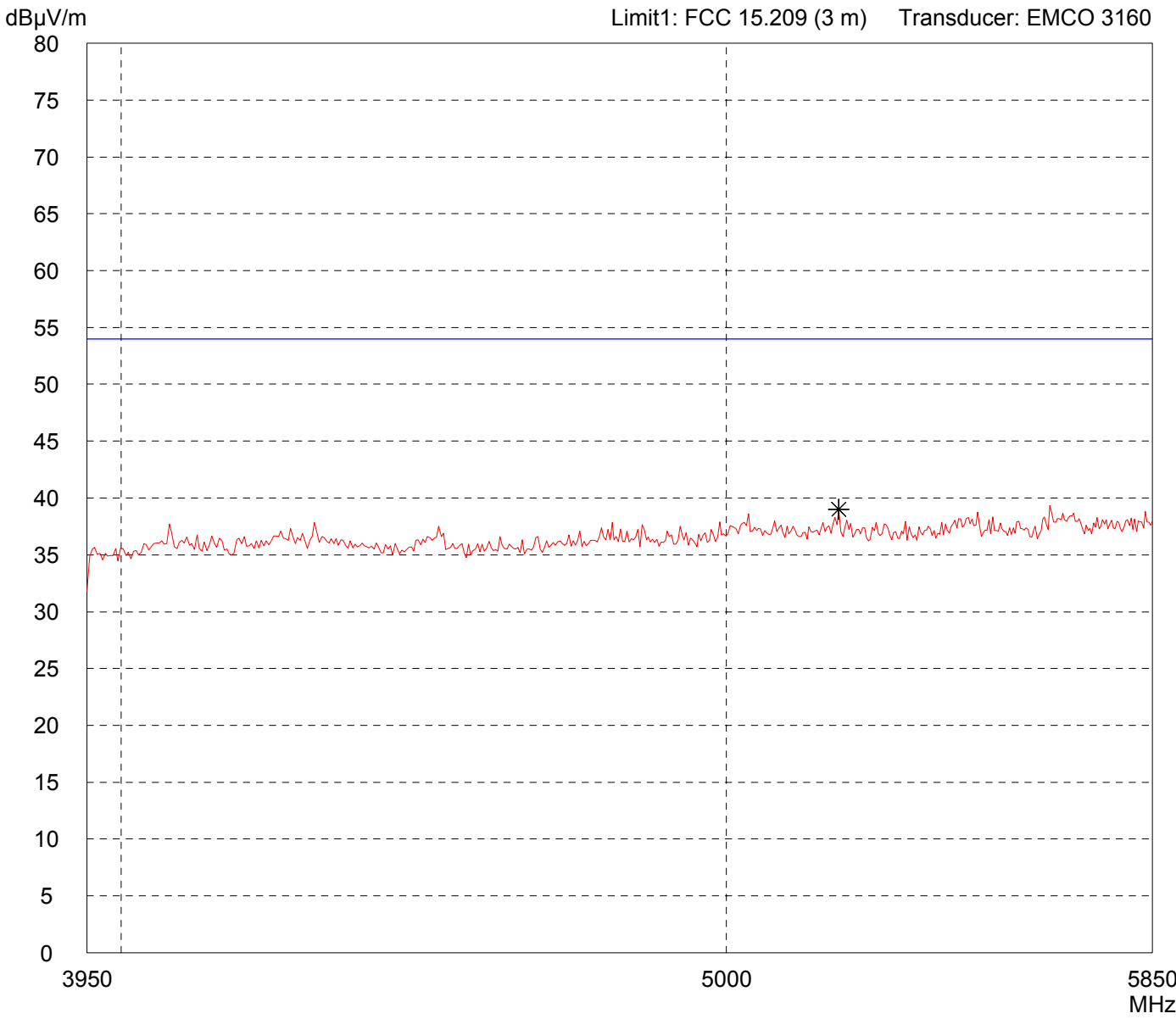
Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:

- 5 V external power supply
- Transmitting continuously with modulation
- Frequency: 902.75 MHz
- With antenna ID ISC.ANT.U170/170-FCC
- With high-pass-filter

Detector:
Peak

List of values:
Selected by hand



Result:
Prescan

Project file:
50784-00618-3

Page of Pages

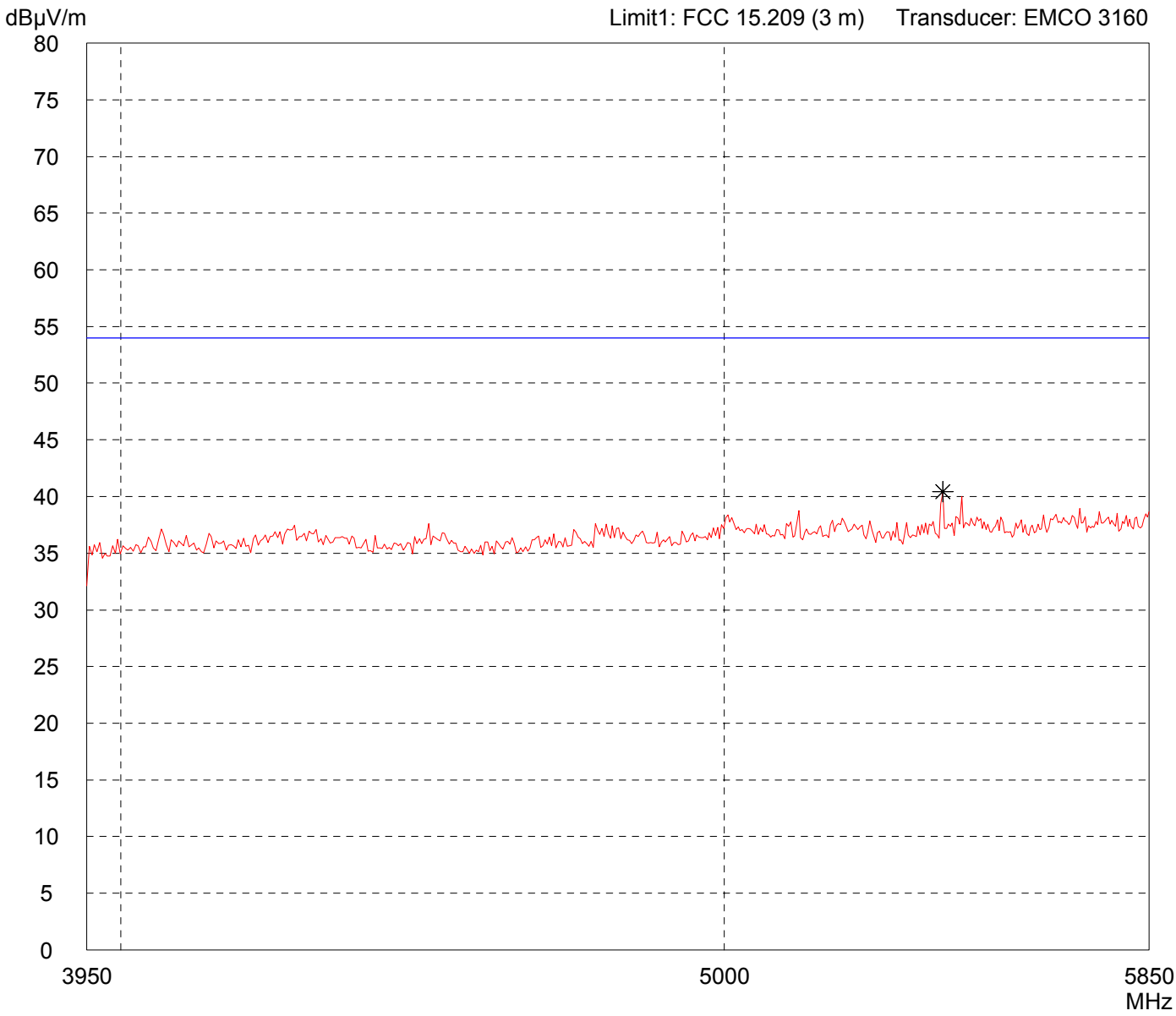
Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
--

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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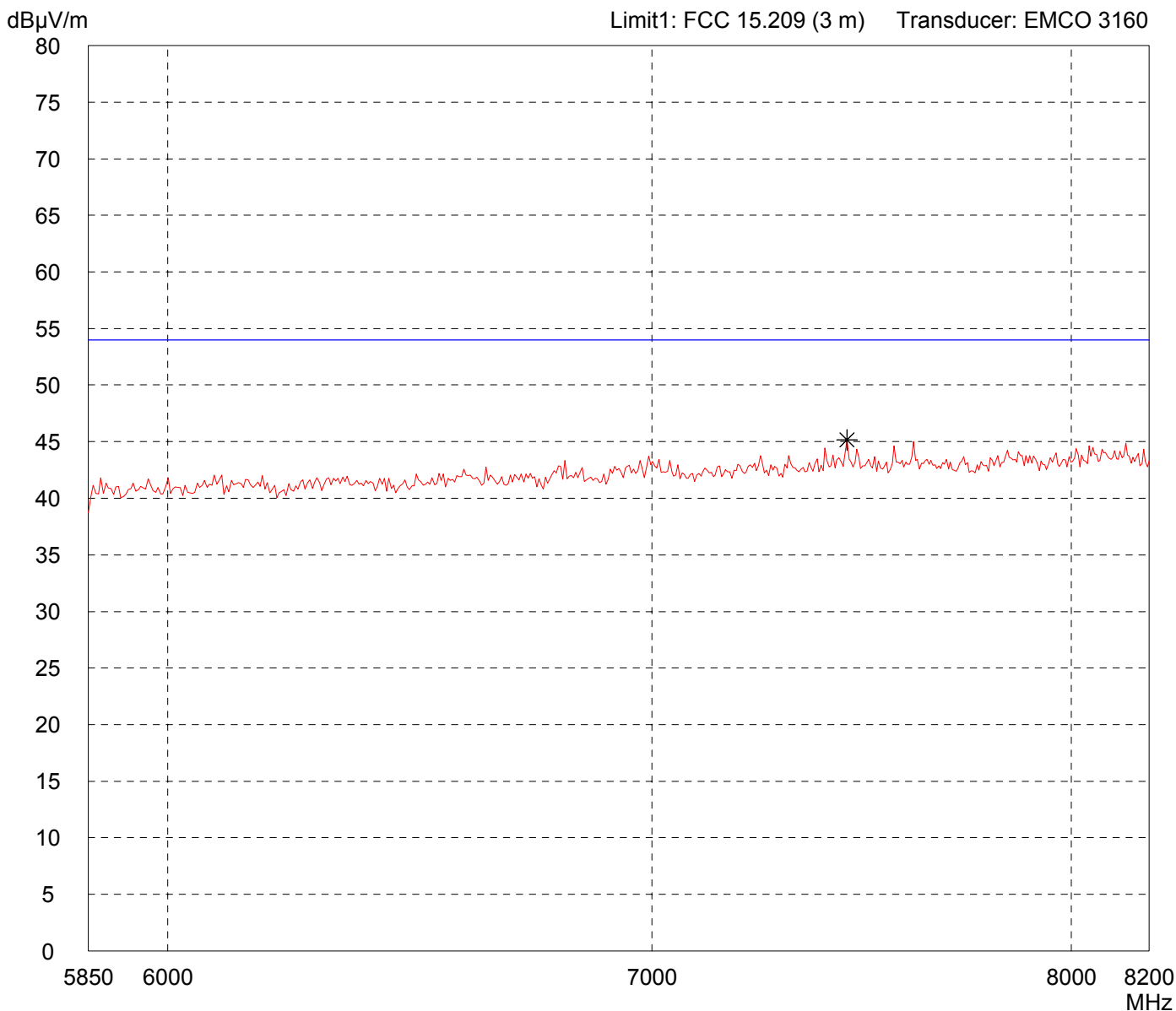
Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
--

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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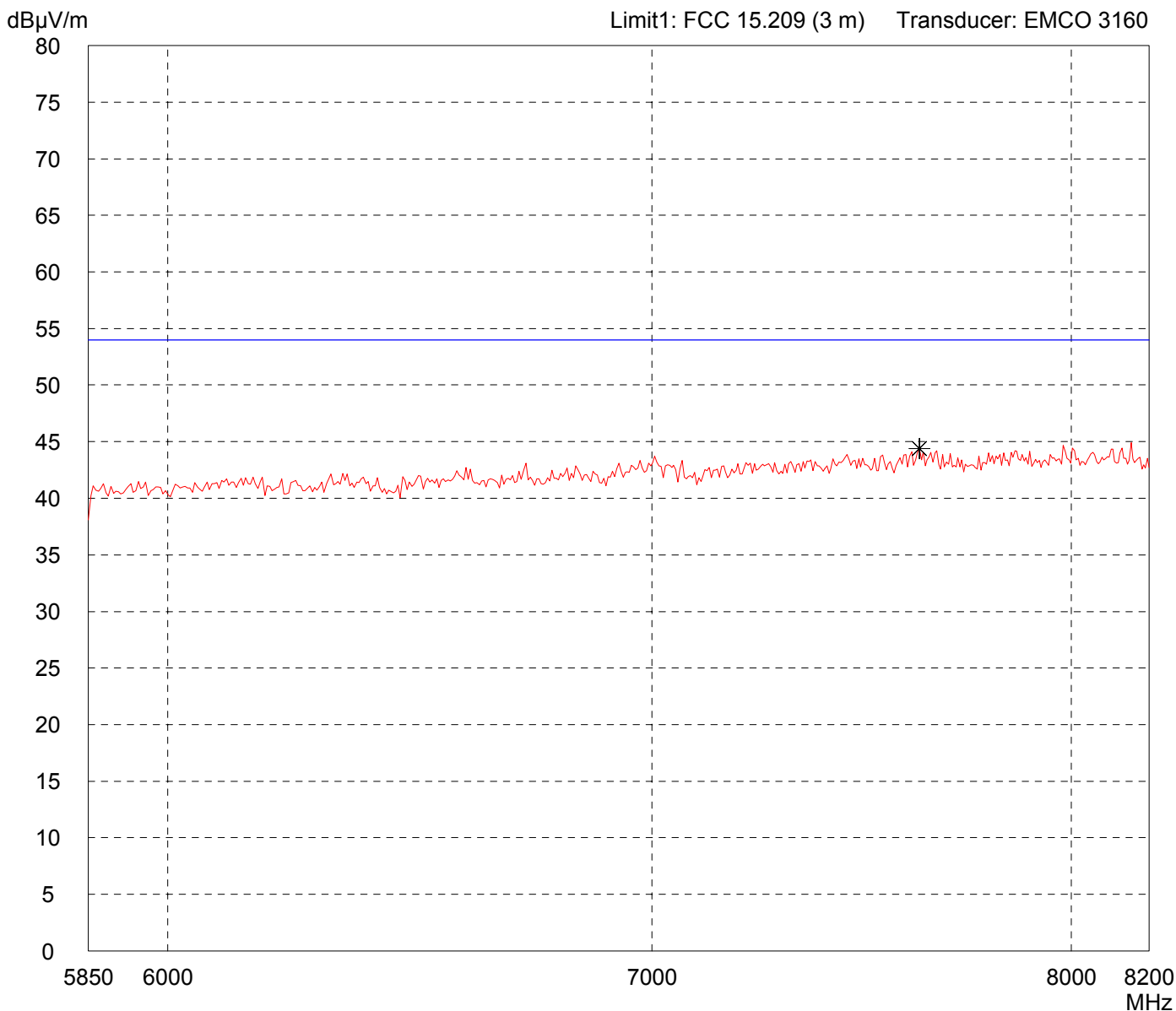
Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
--

Detector: Peak

List of values: Selected by hand



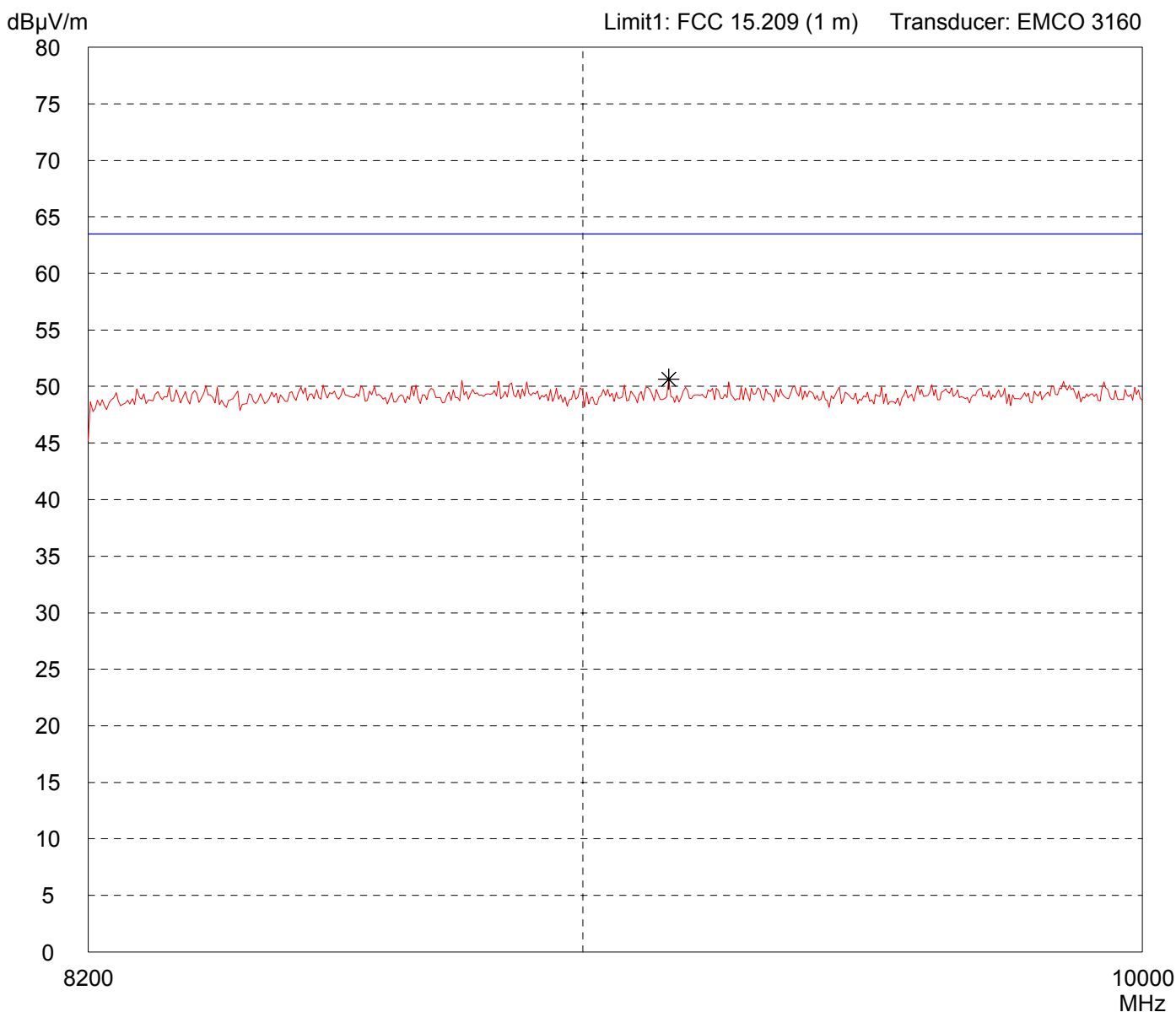
Result: Prescan

Project file: 50784-00618-3	Page of Pages
--------------------------------	---------------------

Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISCMU0202-FCC</p> <p>Serial no.:</p> <p>Applicant: FEIG ELECTRONIC GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Horizontal Polarization</p> <p>Date of test: 07/29/2009 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high pass filter
--	--

<p>Detector: Peak</p>	<p>List of values: Selected by hand</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-00618-3</p> <p style="text-align: right;">Page of Pages</p>
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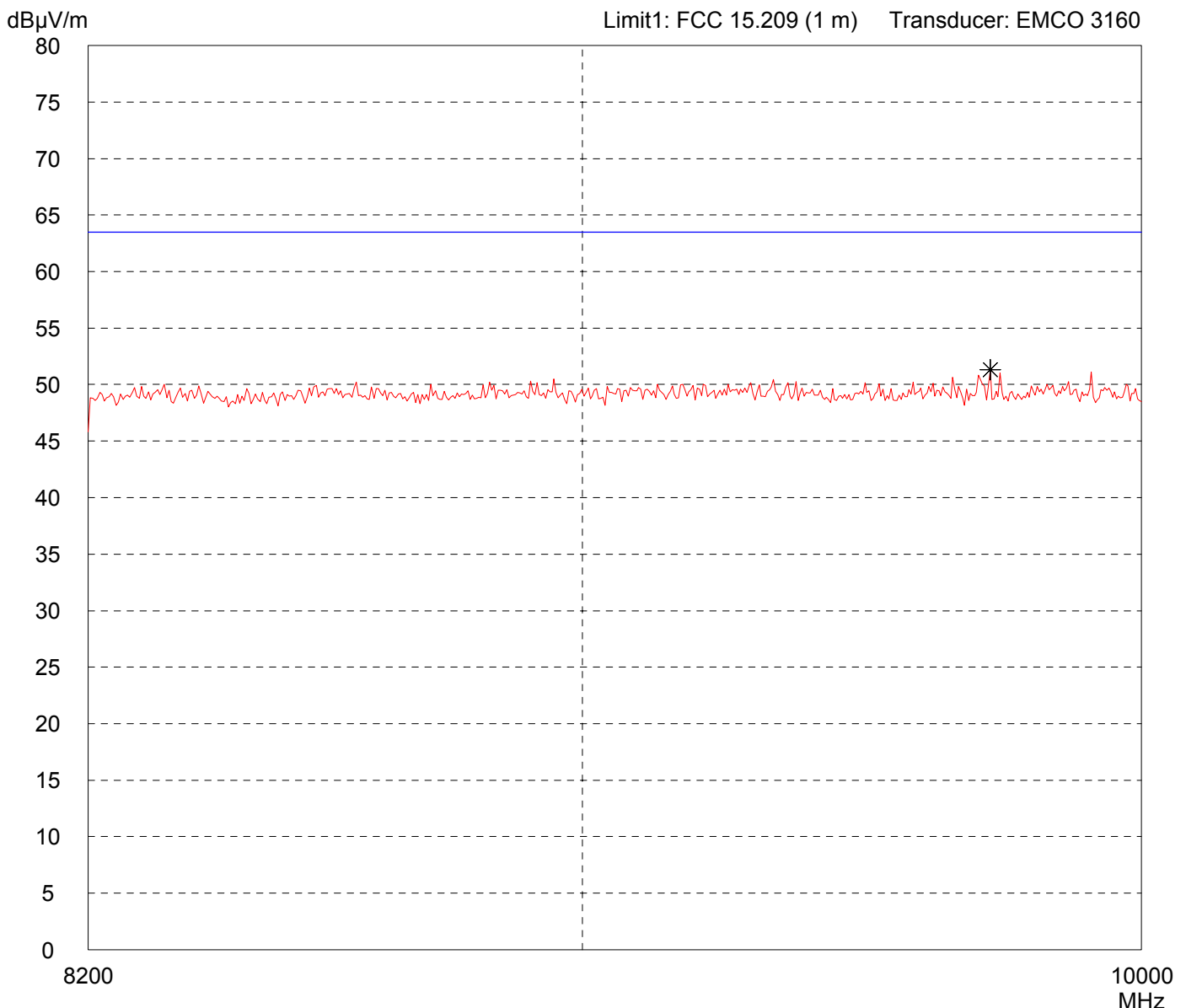
Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high pass filter
--

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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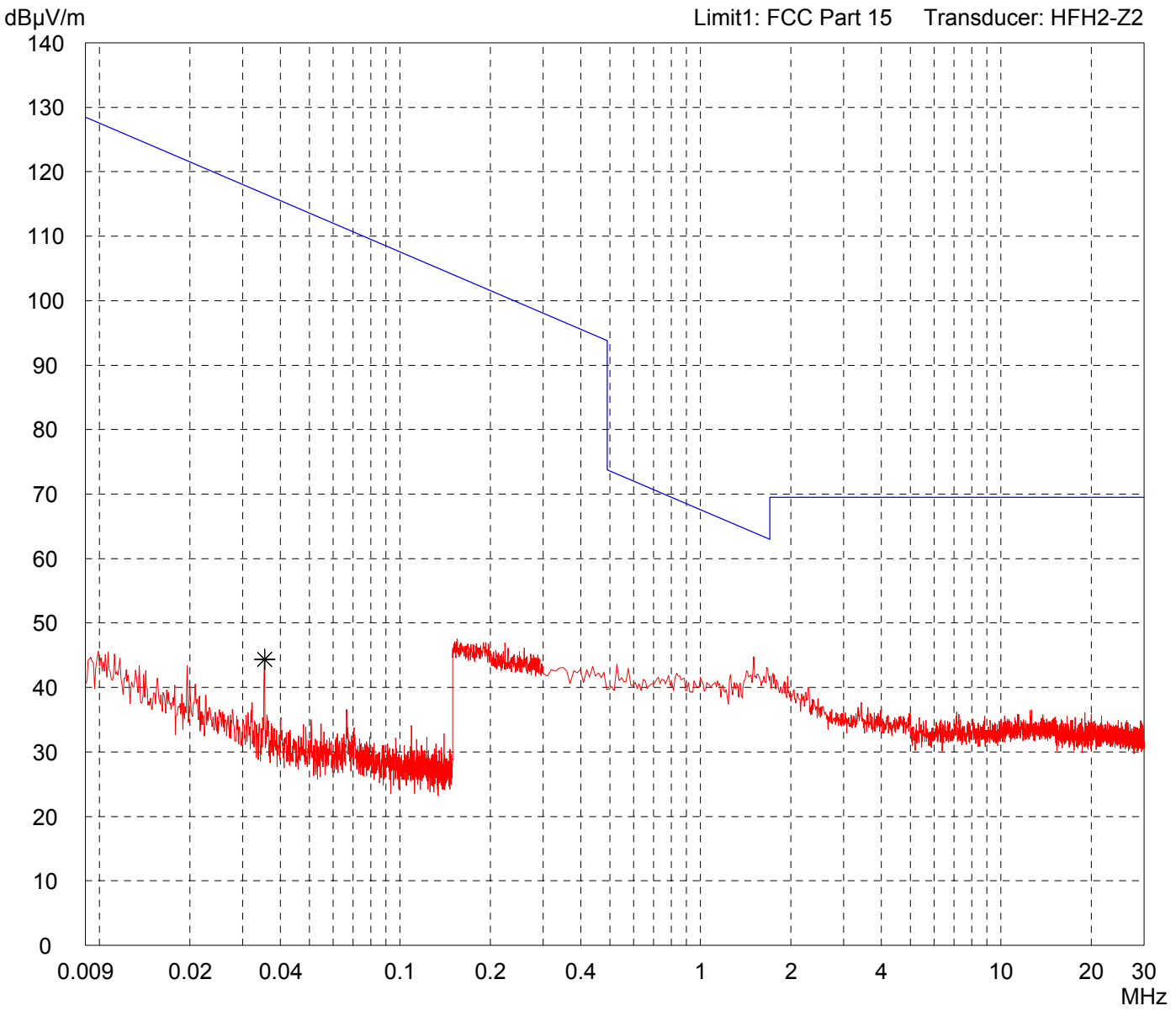
Radiated Emission Test 9 kHz - 30 MHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: by hand	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - With antenna ID ISC.ANT.U170/170-FCC

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-00618-3	Page of Pages
--------------------------------	---------------------

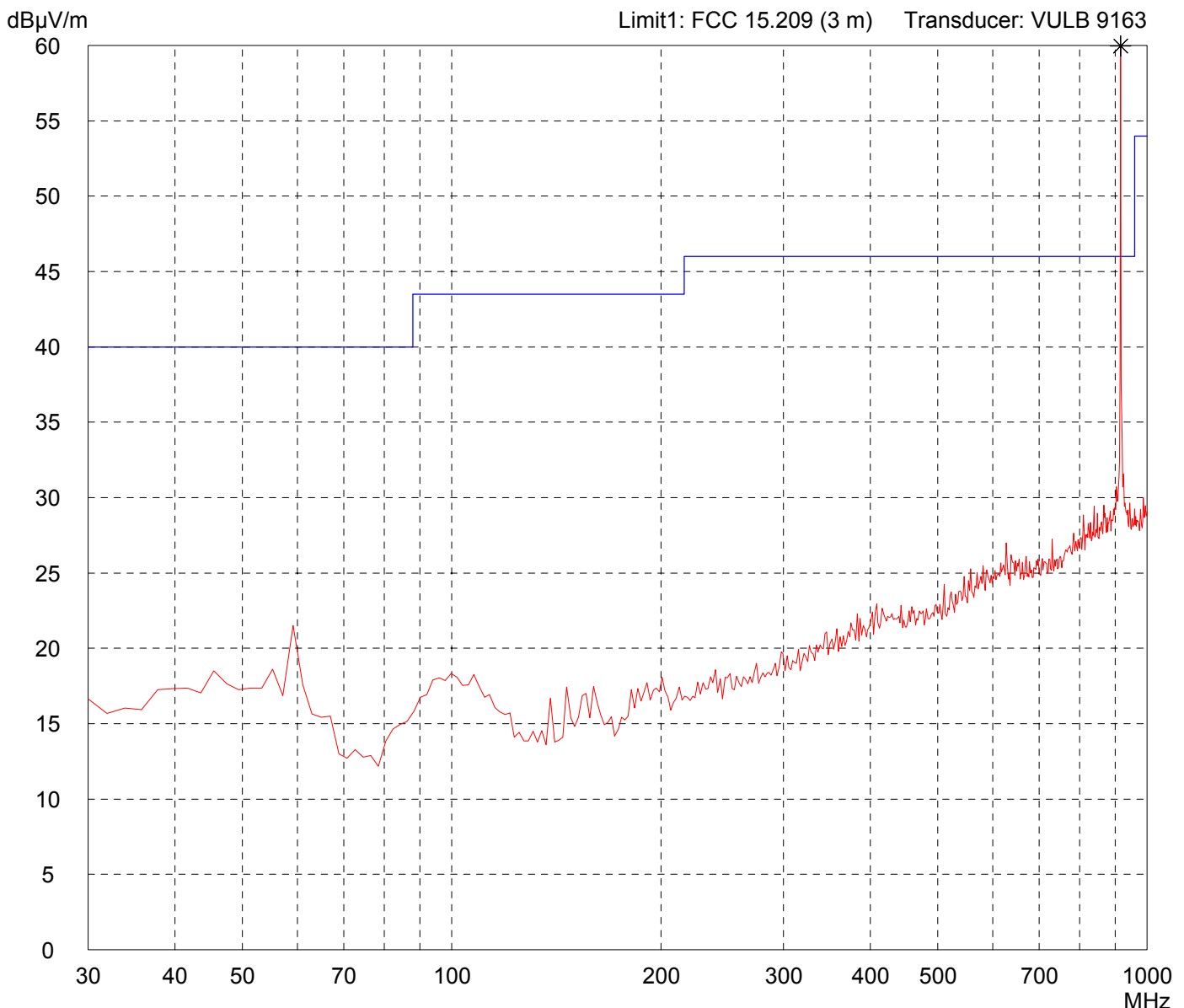
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 915.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values: 10 dB Margin	50 Subranges
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Result: Prescan

Project file: 50784-00618-3	Page of Pages
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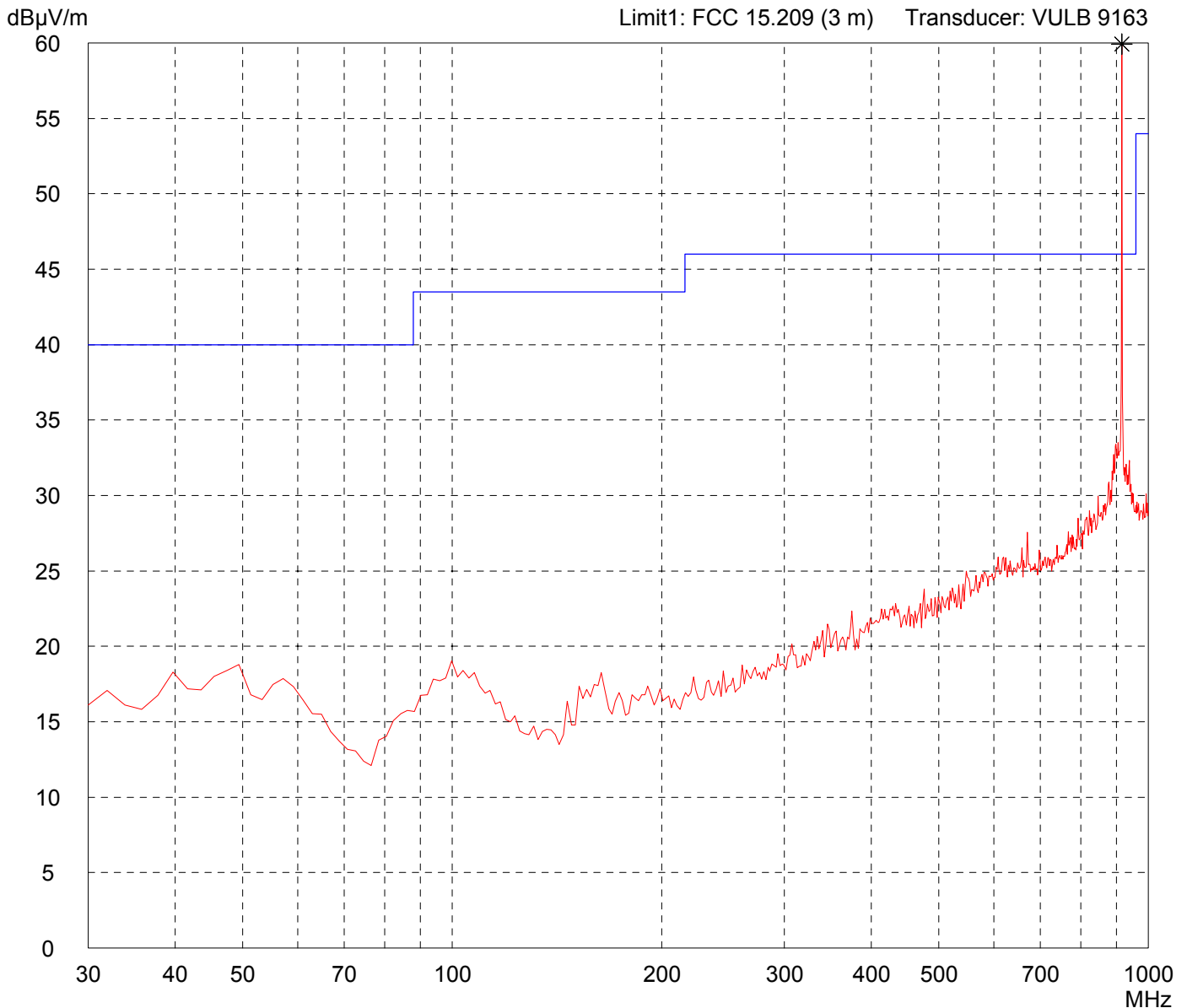
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 915.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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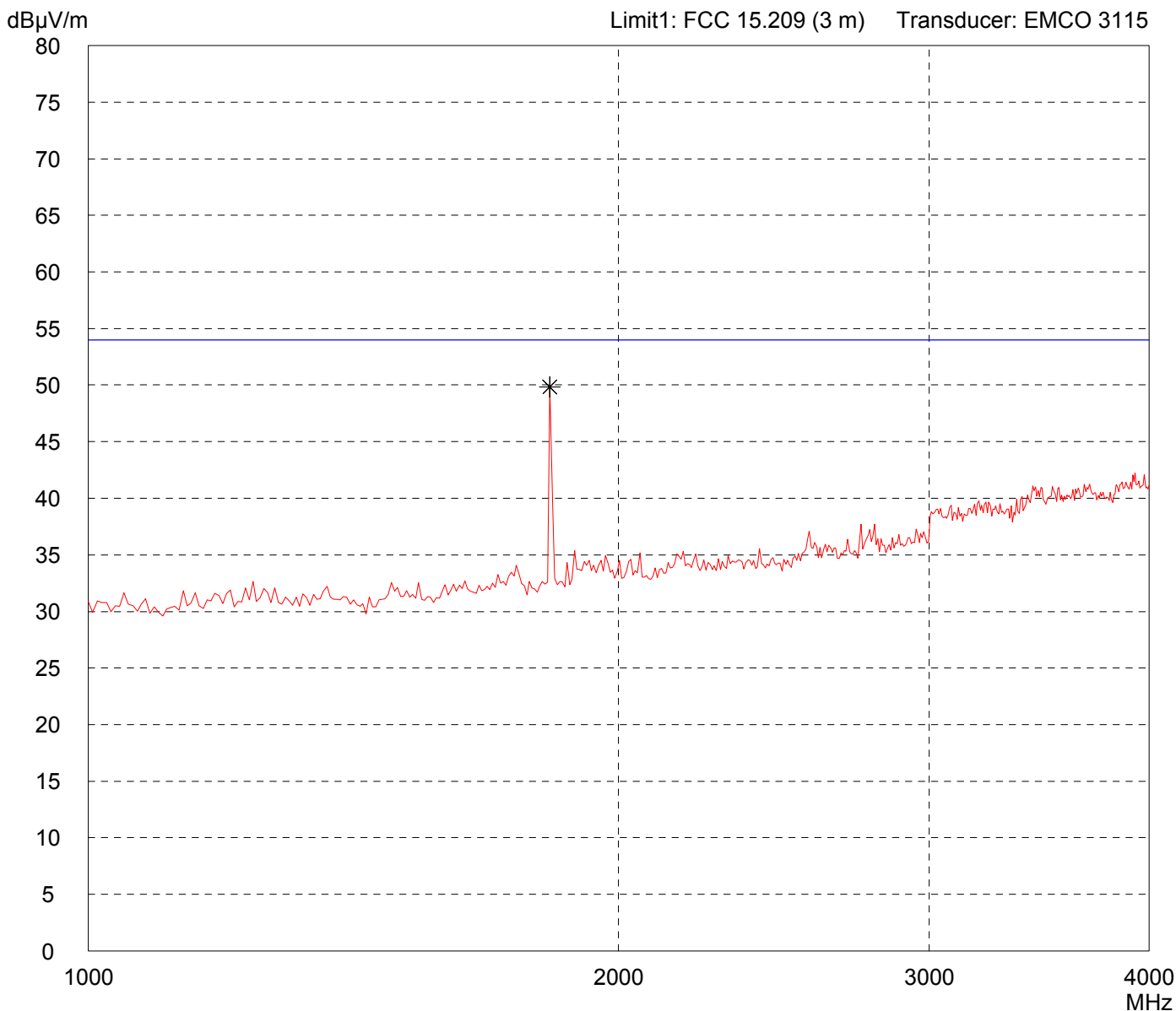
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 915.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With high-pass-filter	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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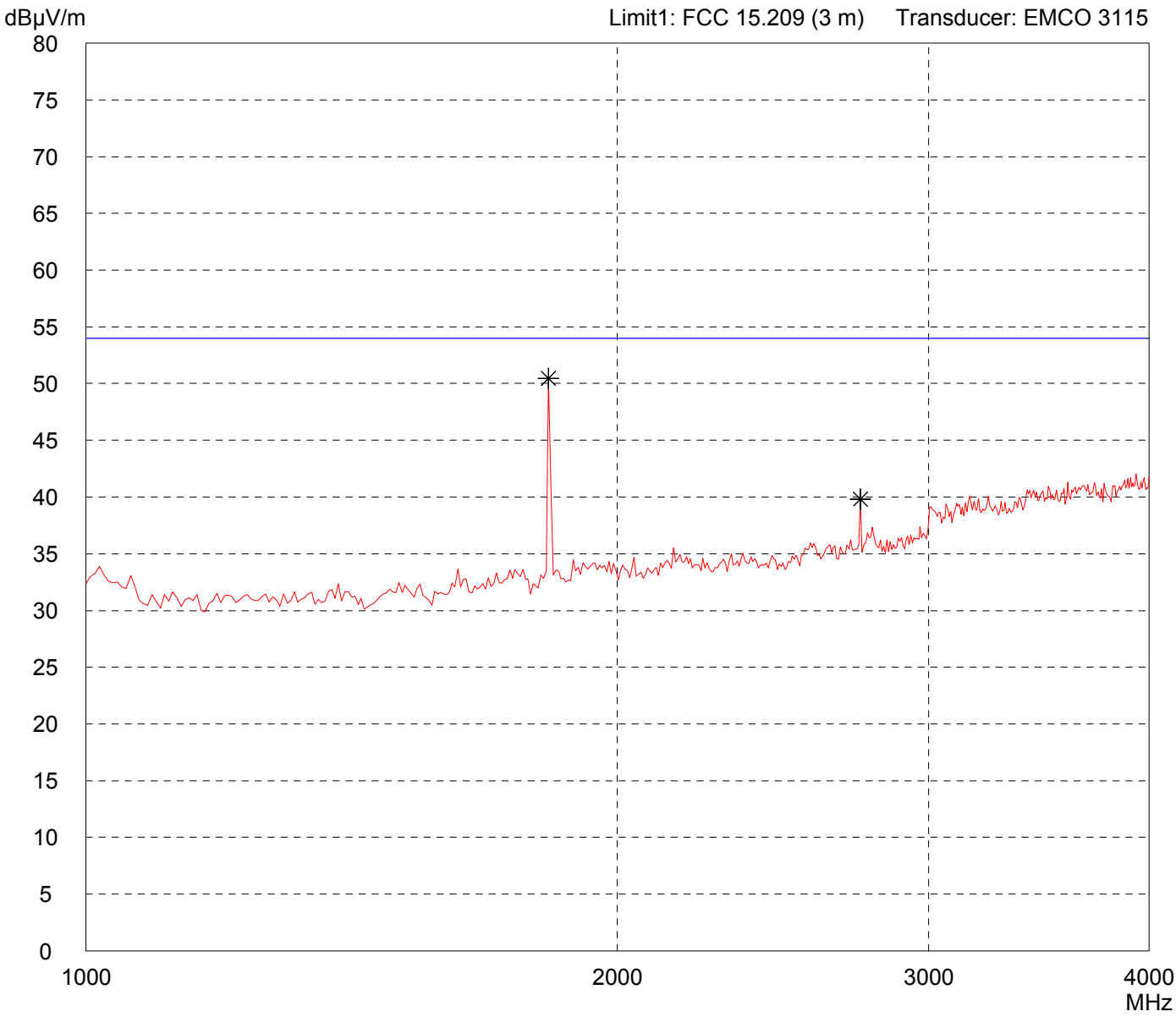
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
--

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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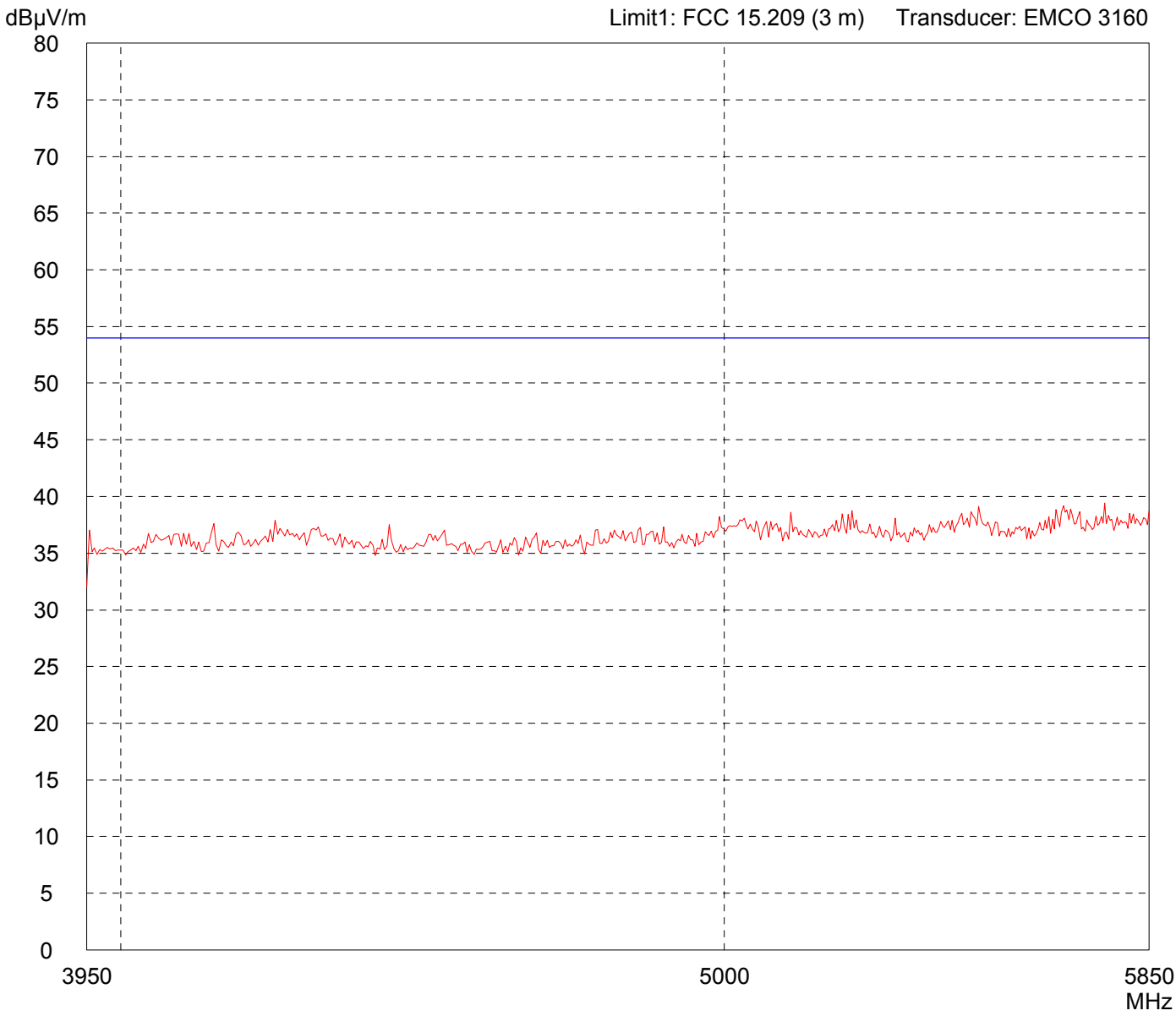
Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 915.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With high-pass-filter	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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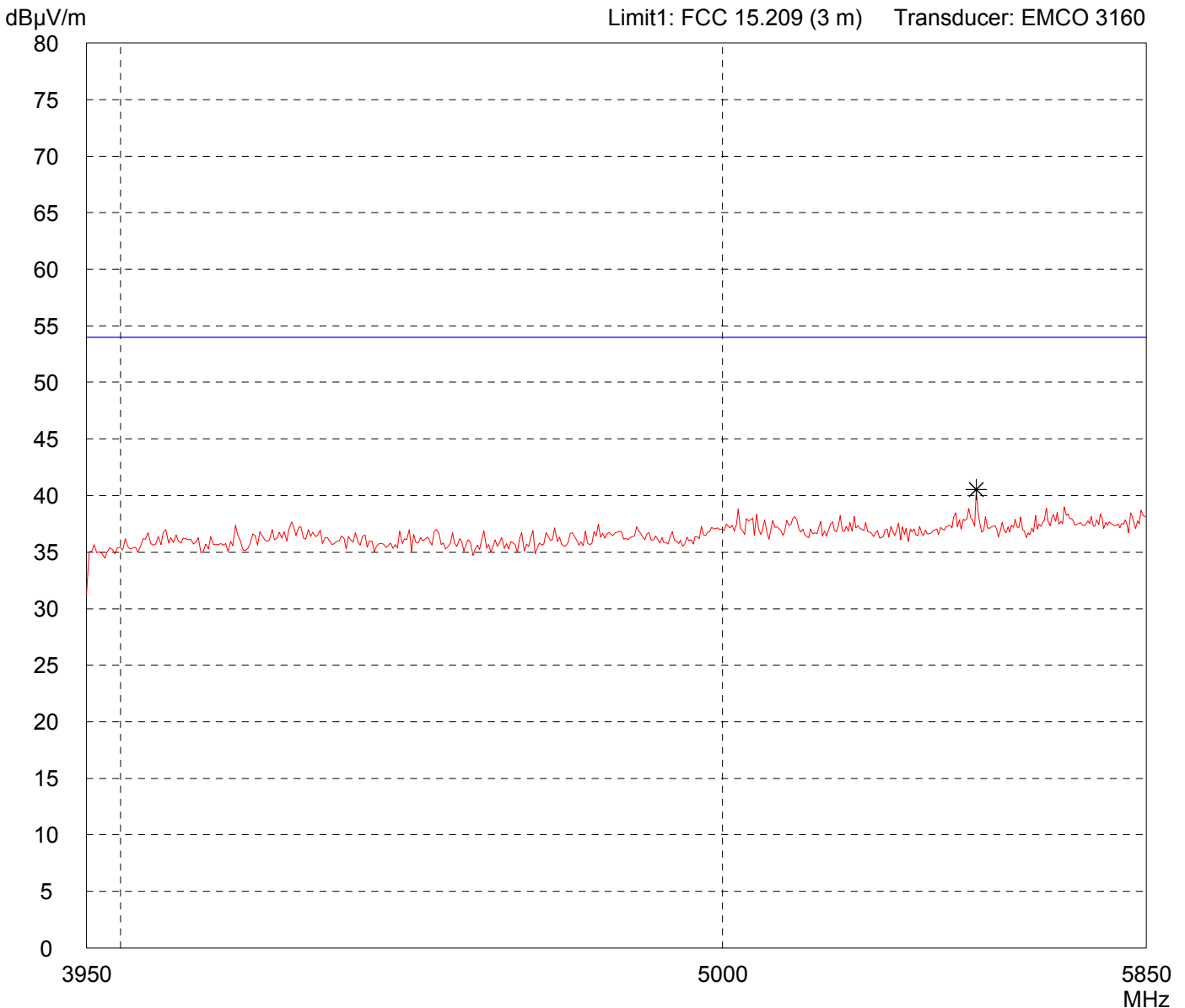
Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
--

Detector: Peak

List of values: Selected by hand



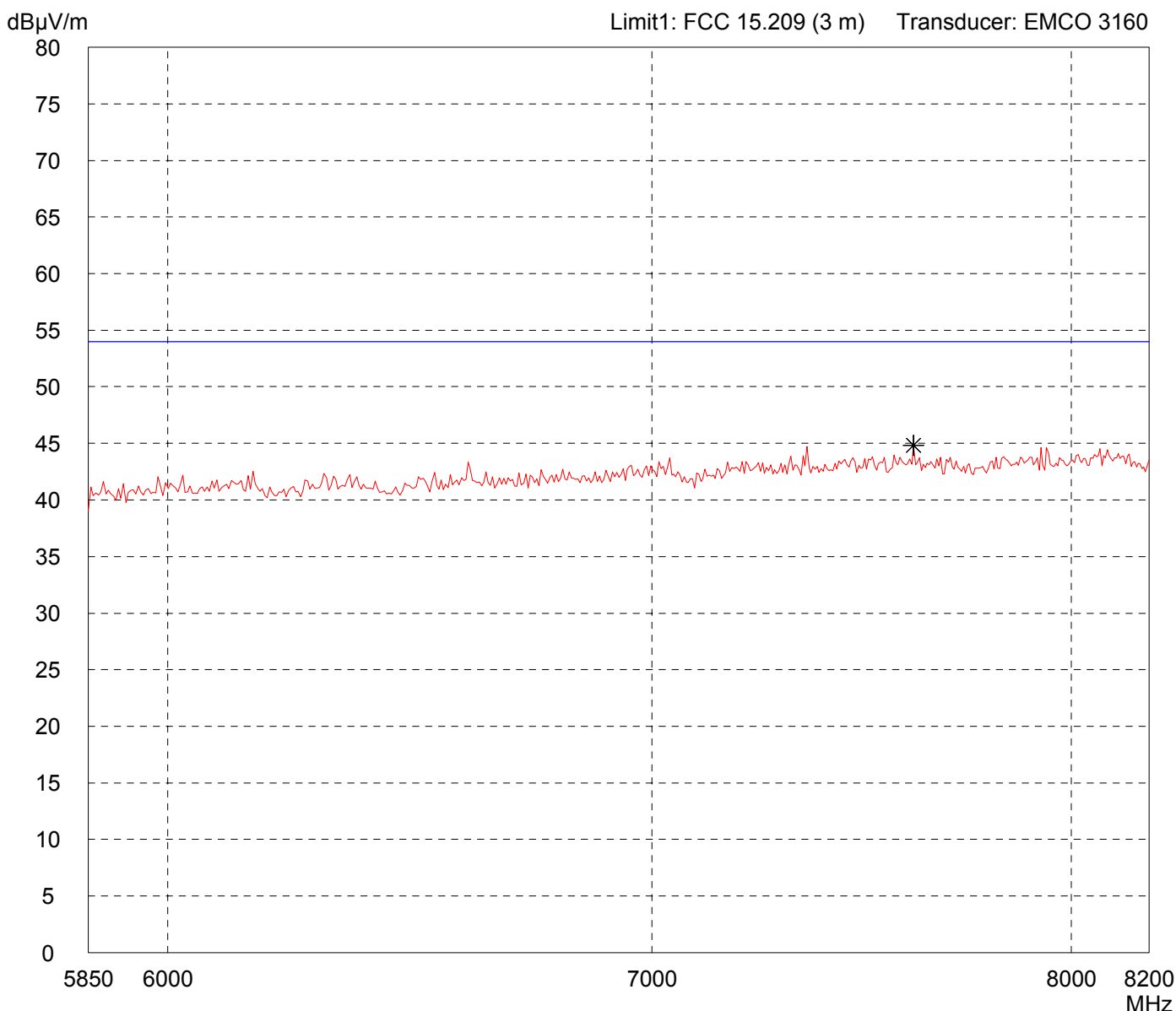
Result: Prescan

Project file: 50784-00618-3	Page of Pages
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Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISCMU0202-FCC</p> <p>Serial no.:</p> <p>Applicant: FEIG ELECTRONIC GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Horizontal Polarization</p> <p>Date of test: 07/29/2009 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
---	--

<p>Detector: Peak</p>	<p>List of values: Selected by hand</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-00618-3</p> <p style="text-align: right;">Page of Pages</p>
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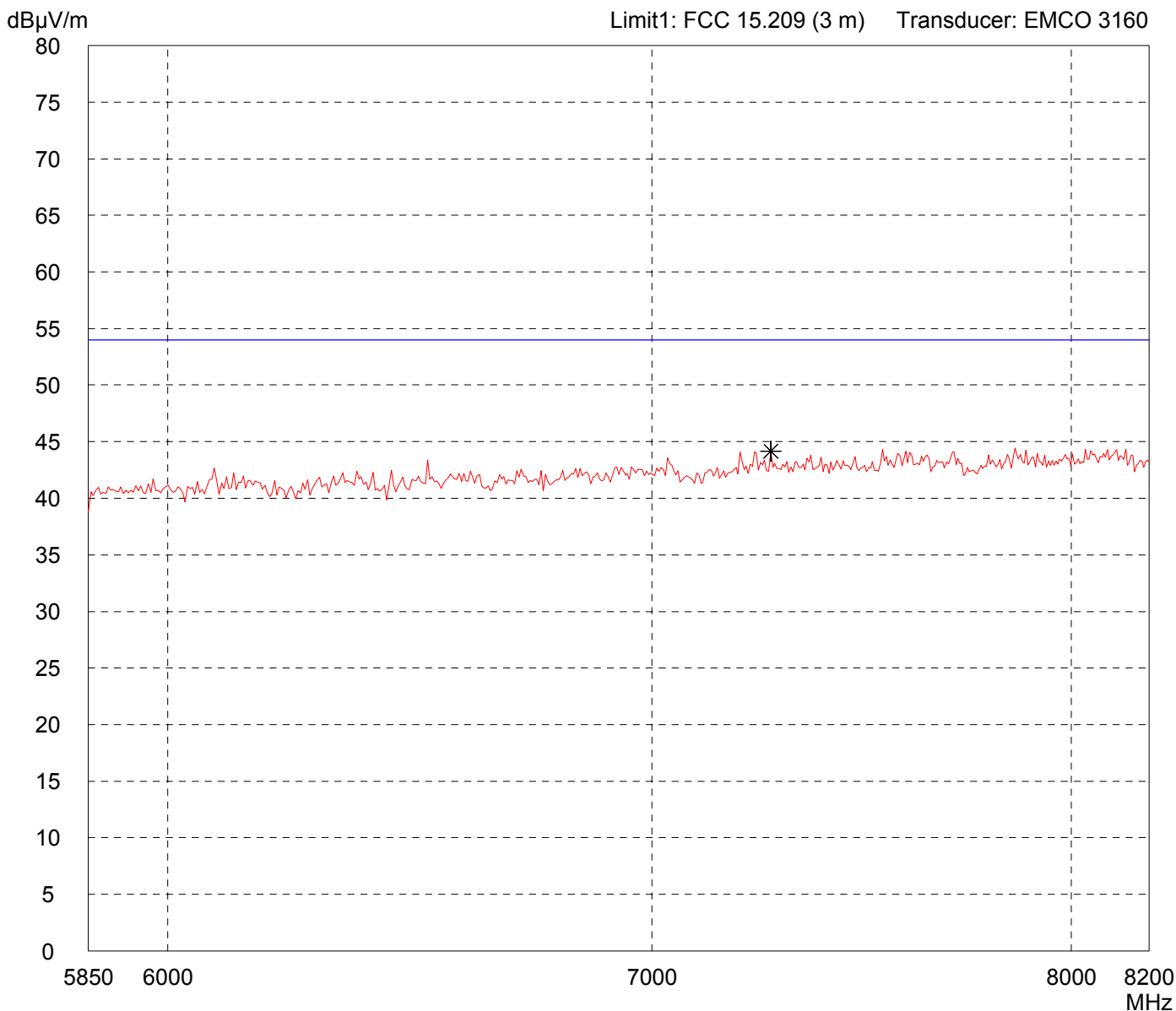
Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
--

Detector: Peak

List of values: Selected by hand



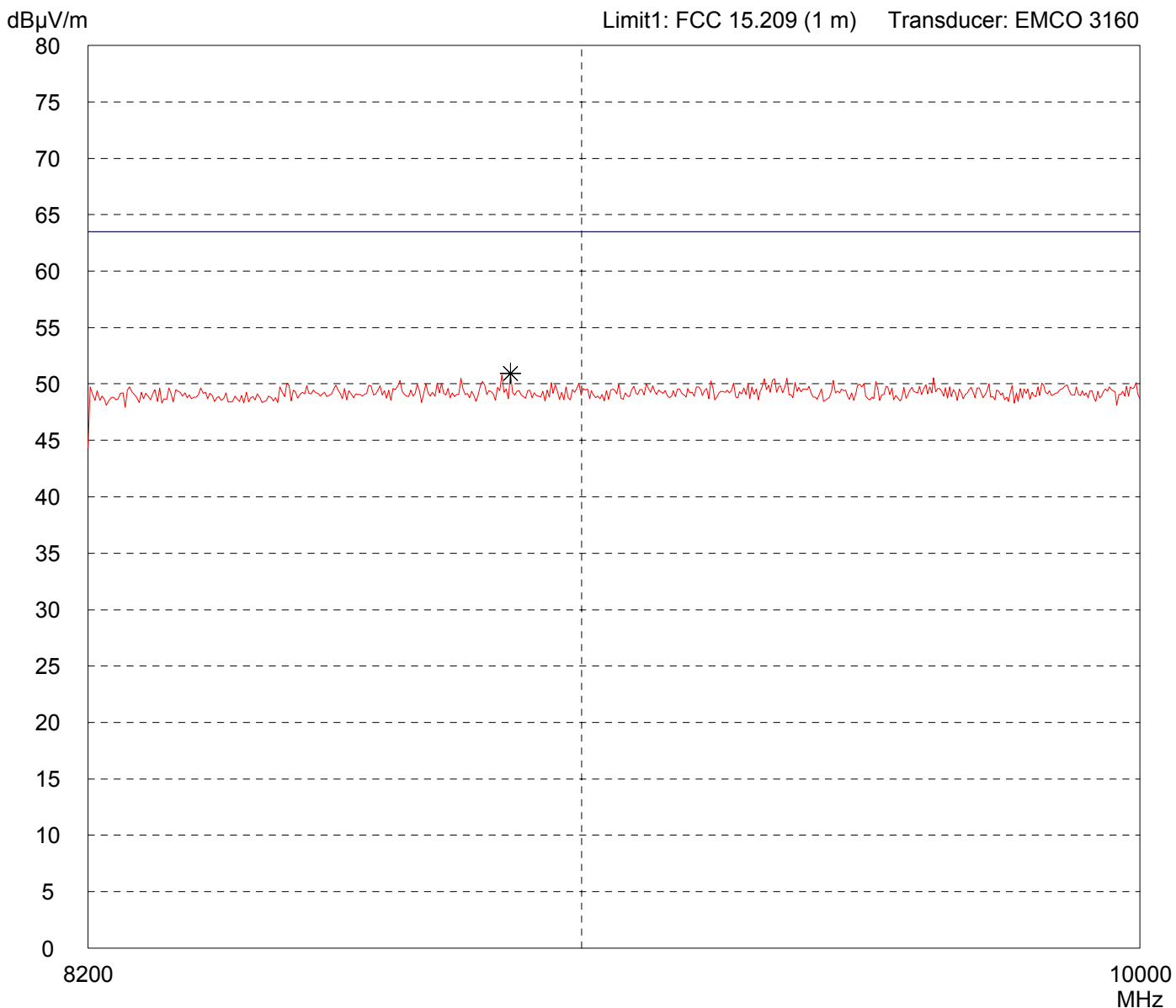
Result: Prescan

Project file: 50784-00618-3	Page of Pages
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISCMU0202-FCC</p> <p>Serial no.:</p> <p>Applicant: FEIG ELECTRONIC GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Horizontal Polarization</p> <p>Date of test: 07/29/2009 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
--	--

<p>Detector: Peak</p>	<p>List of values: Selected by hand</p>
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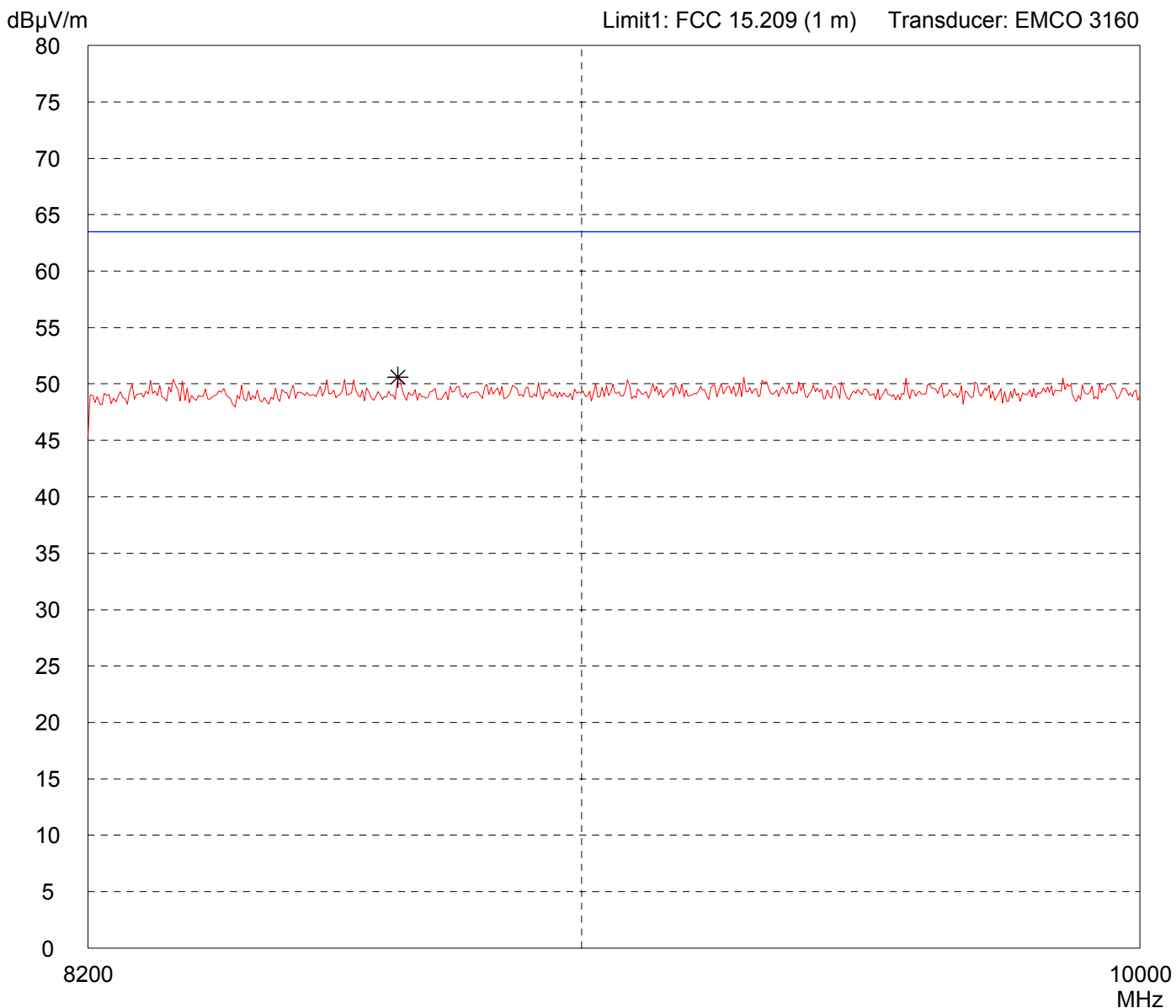


<p>Result: Prescan</p>	<p>Project file: 50784-00618-3</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISCMU0202-FCC</p> <p>Serial no.:</p> <p>Applicant: FEIG ELECTRONIC GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Vertical Polarization</p> <p>Date of test: 07/29/2009 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
--	--

<p>Detector: Peak</p>	<p>List of values: Selected by hand</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-00618-3</p> <p style="text-align: right;">Page of Pages</p>
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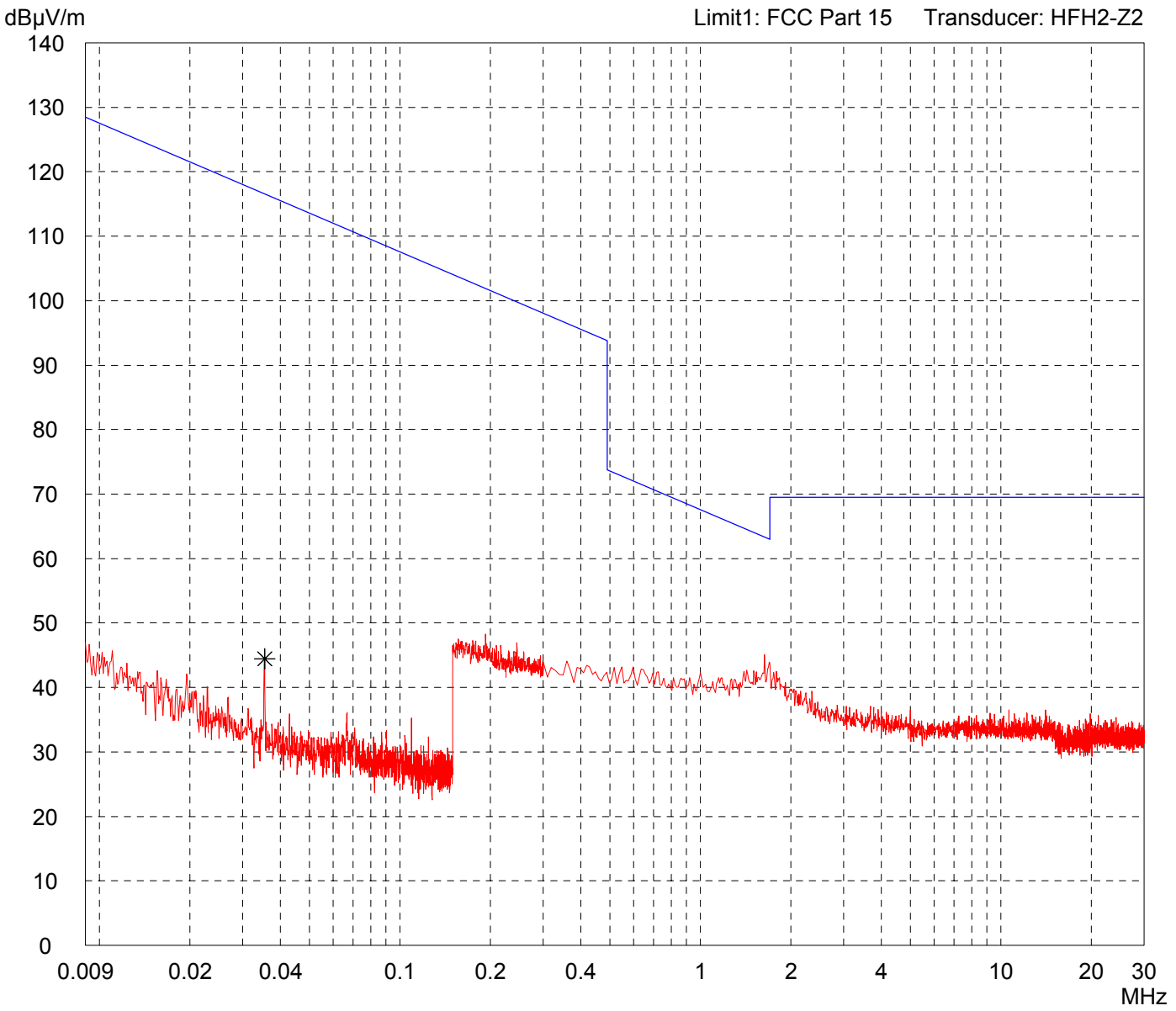
Radiated Emission Test 9 kHz - 30 MHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: by hand	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID ISC.ANT.U170/170-FCC

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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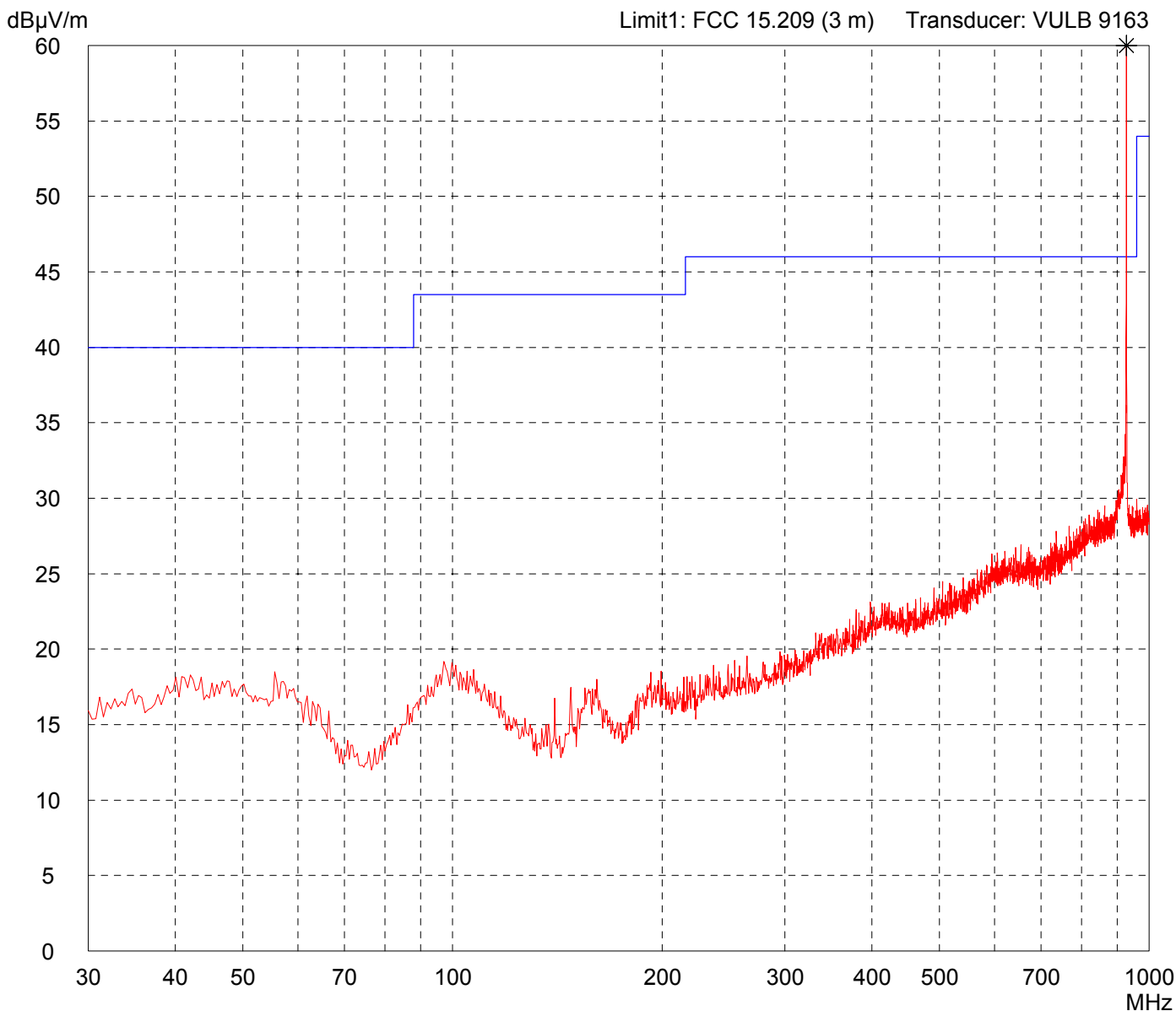
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 927.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	
10 dB Margin	50 Subranges



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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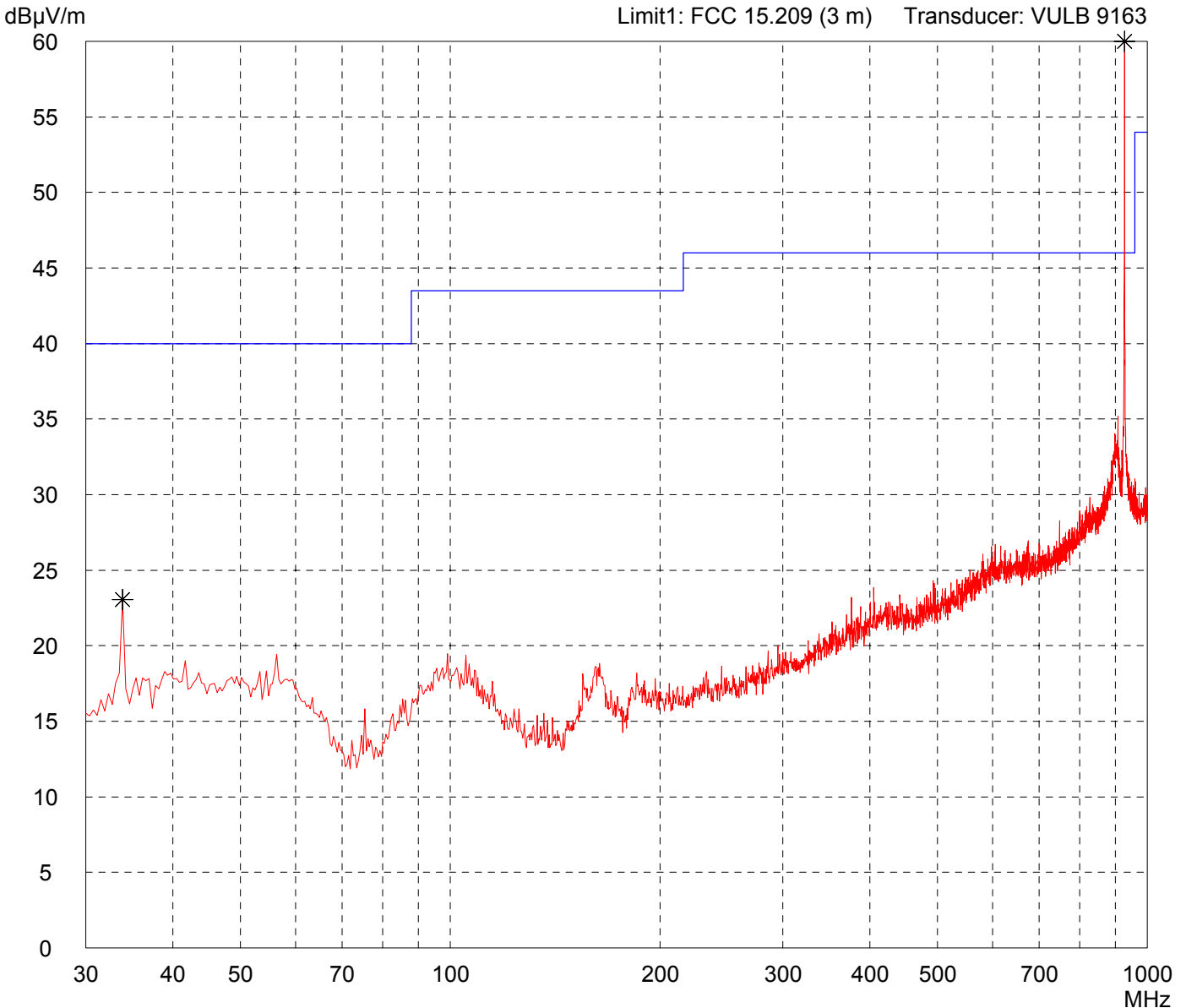
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID ISC.ANT.U170/170-FCC - With notch filter set to carrier frequency

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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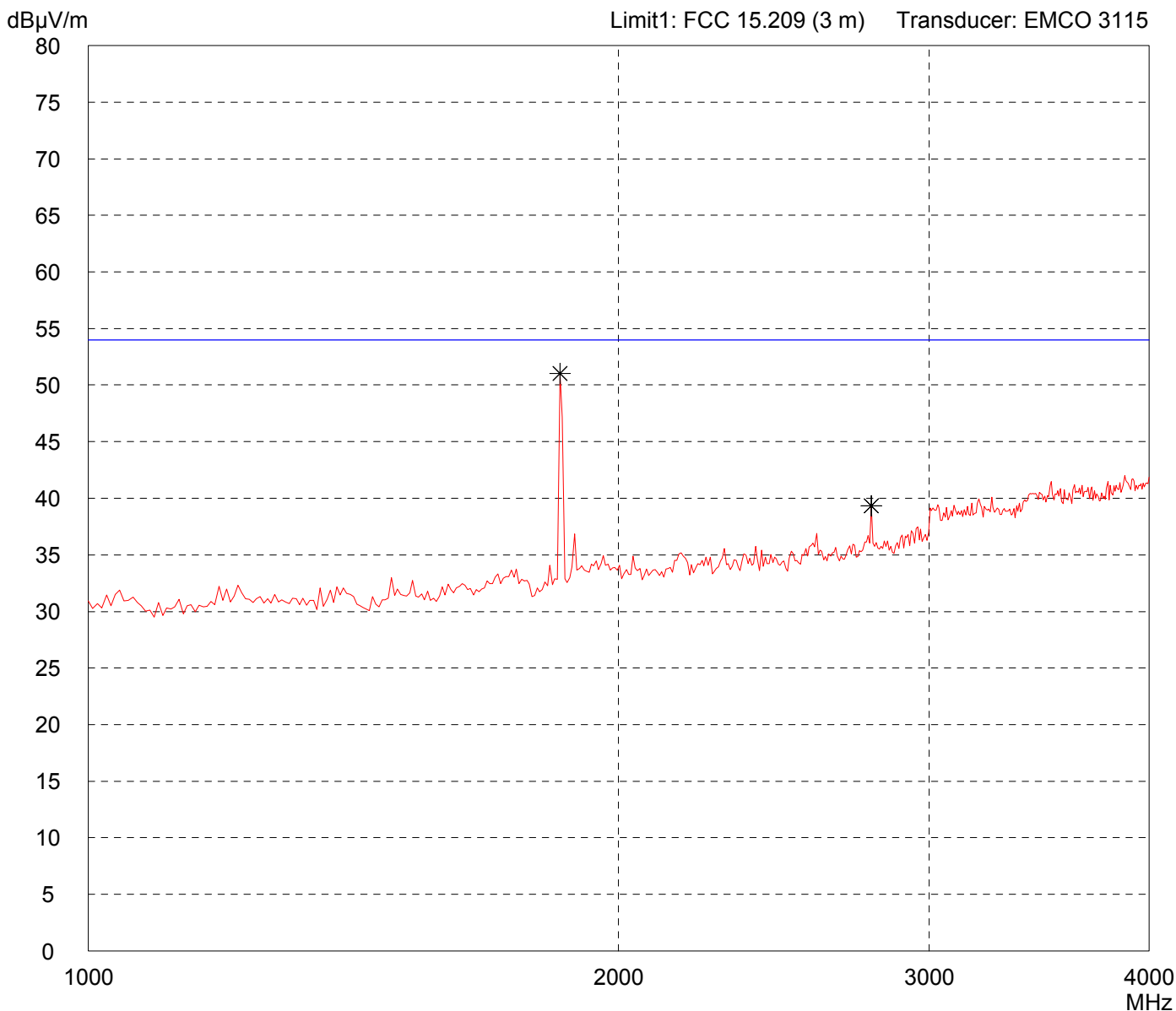
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
--

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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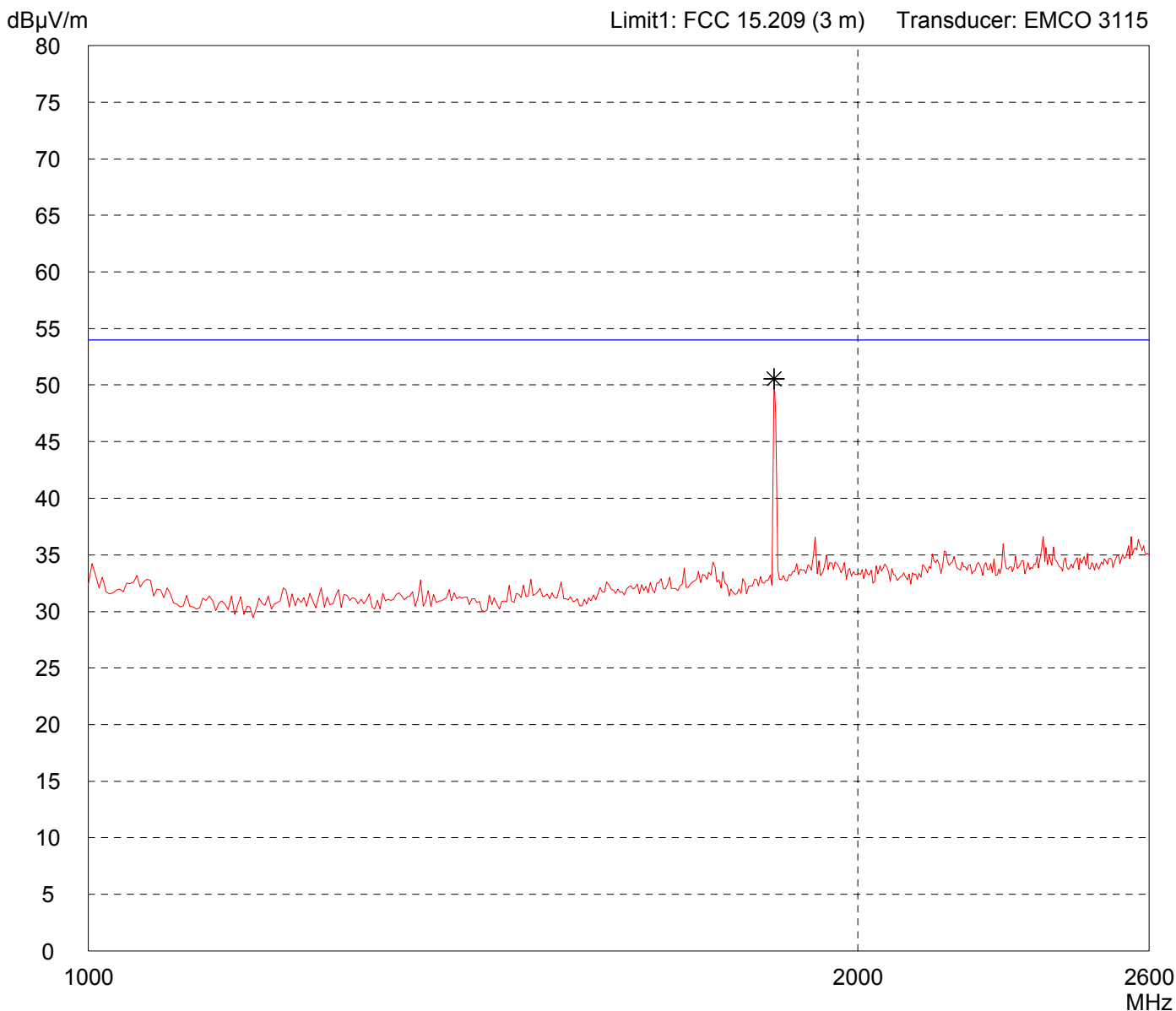
Radiated Emission Test 1 GHz - 2.6 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 927.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With high-pass-filter	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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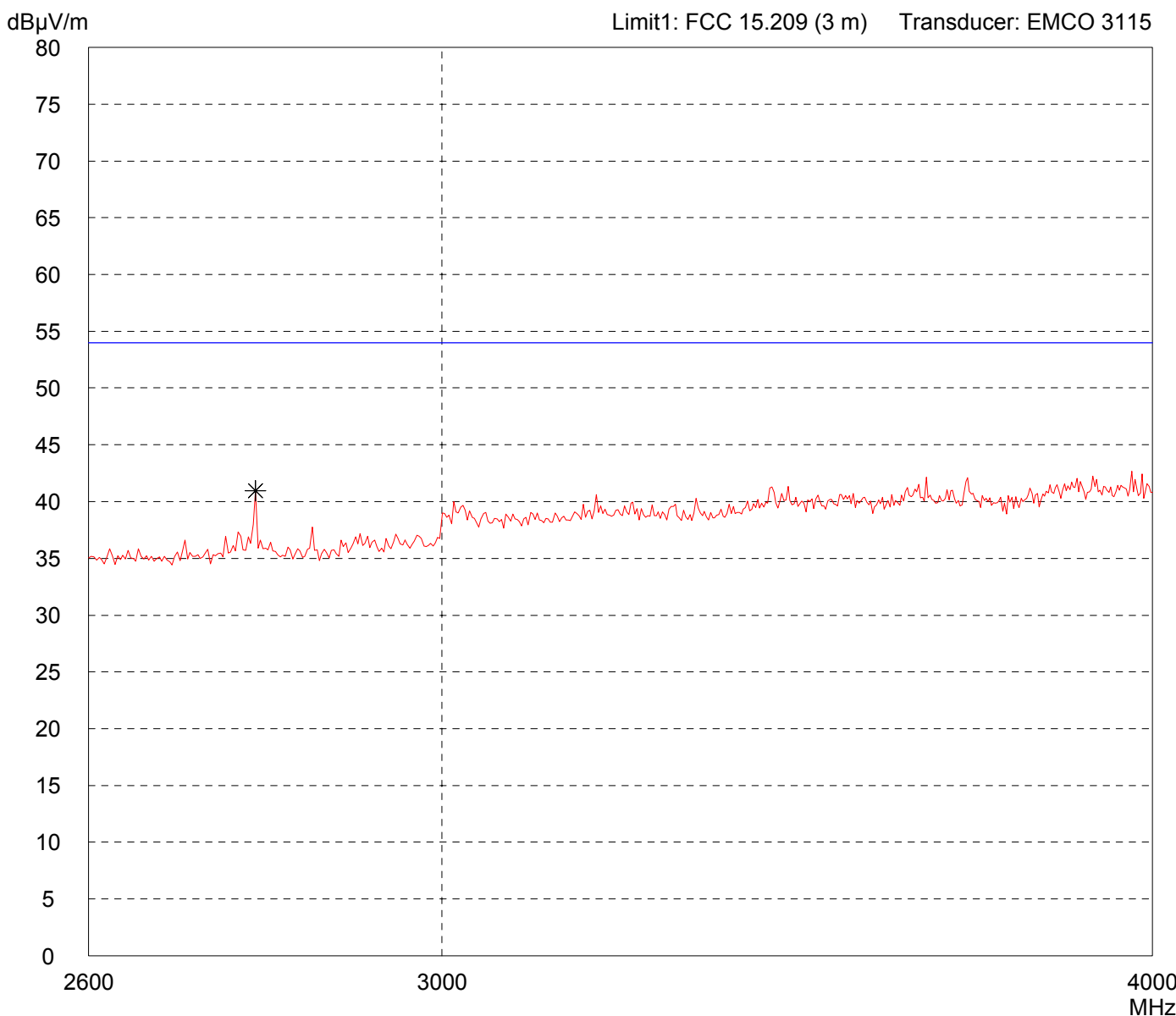
Radiated Emission Test 2.6 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
--

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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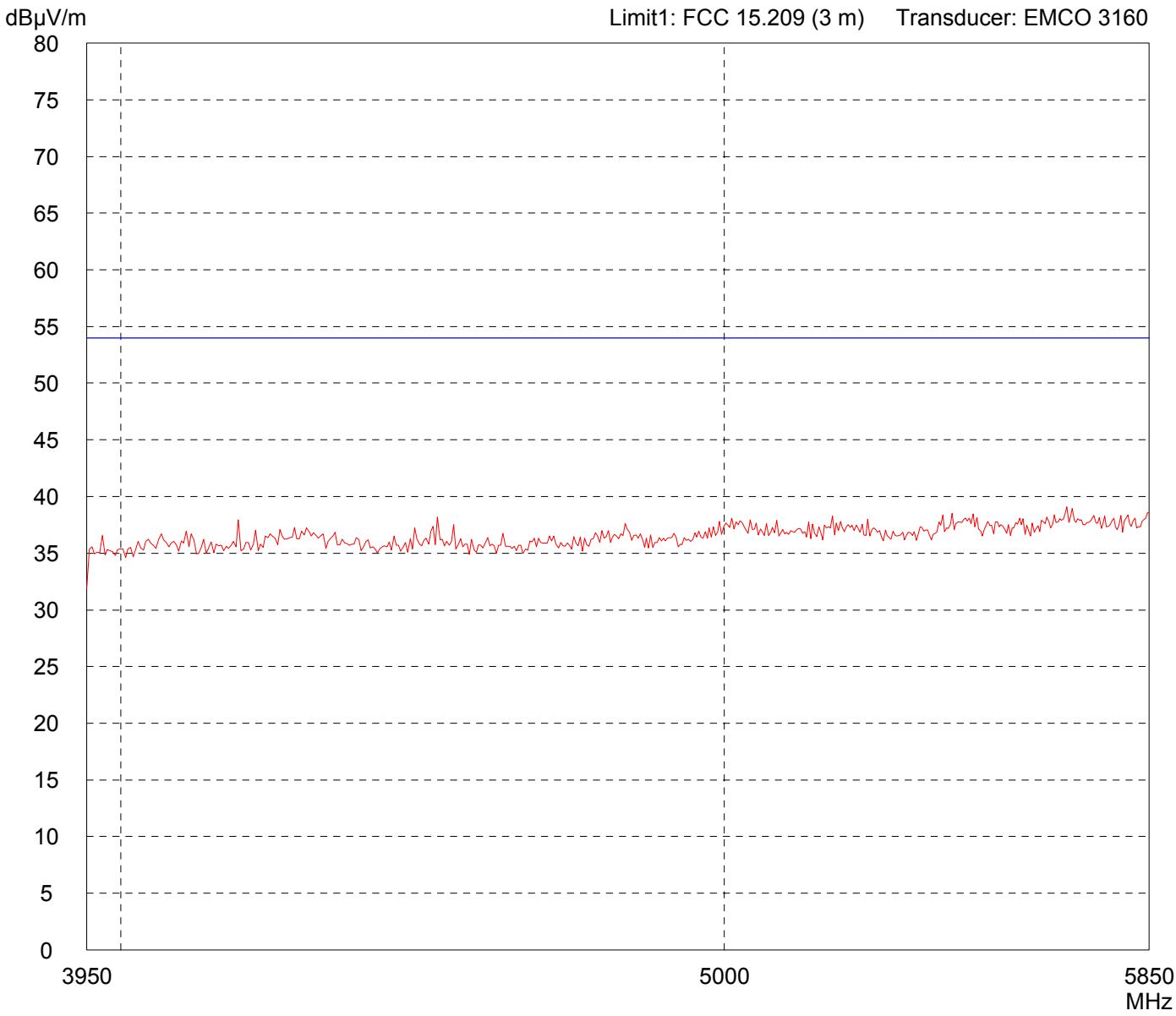
Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 927.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With high-pass-filter	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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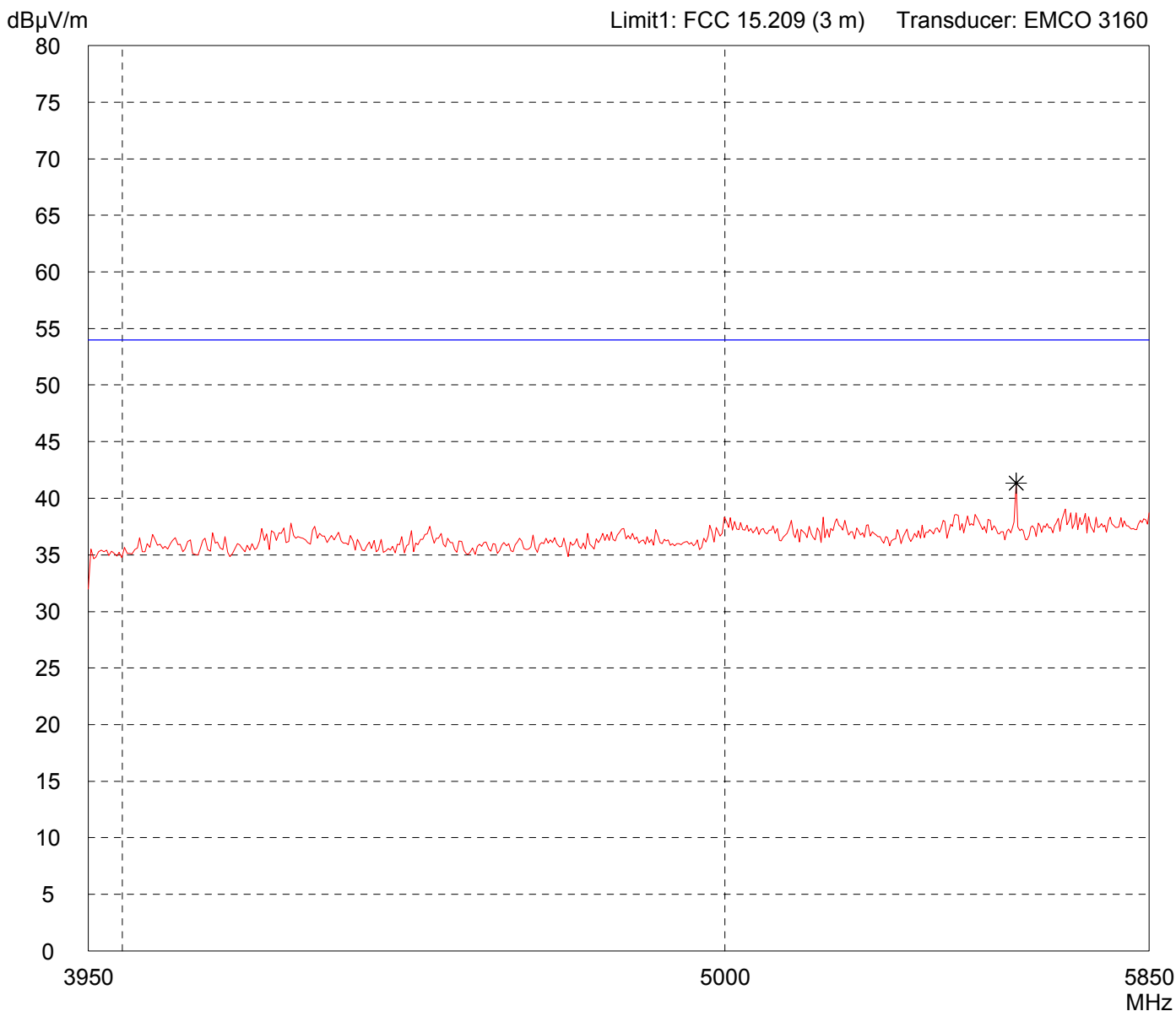
Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
--

Detector: Peak

List of values: Selected by hand



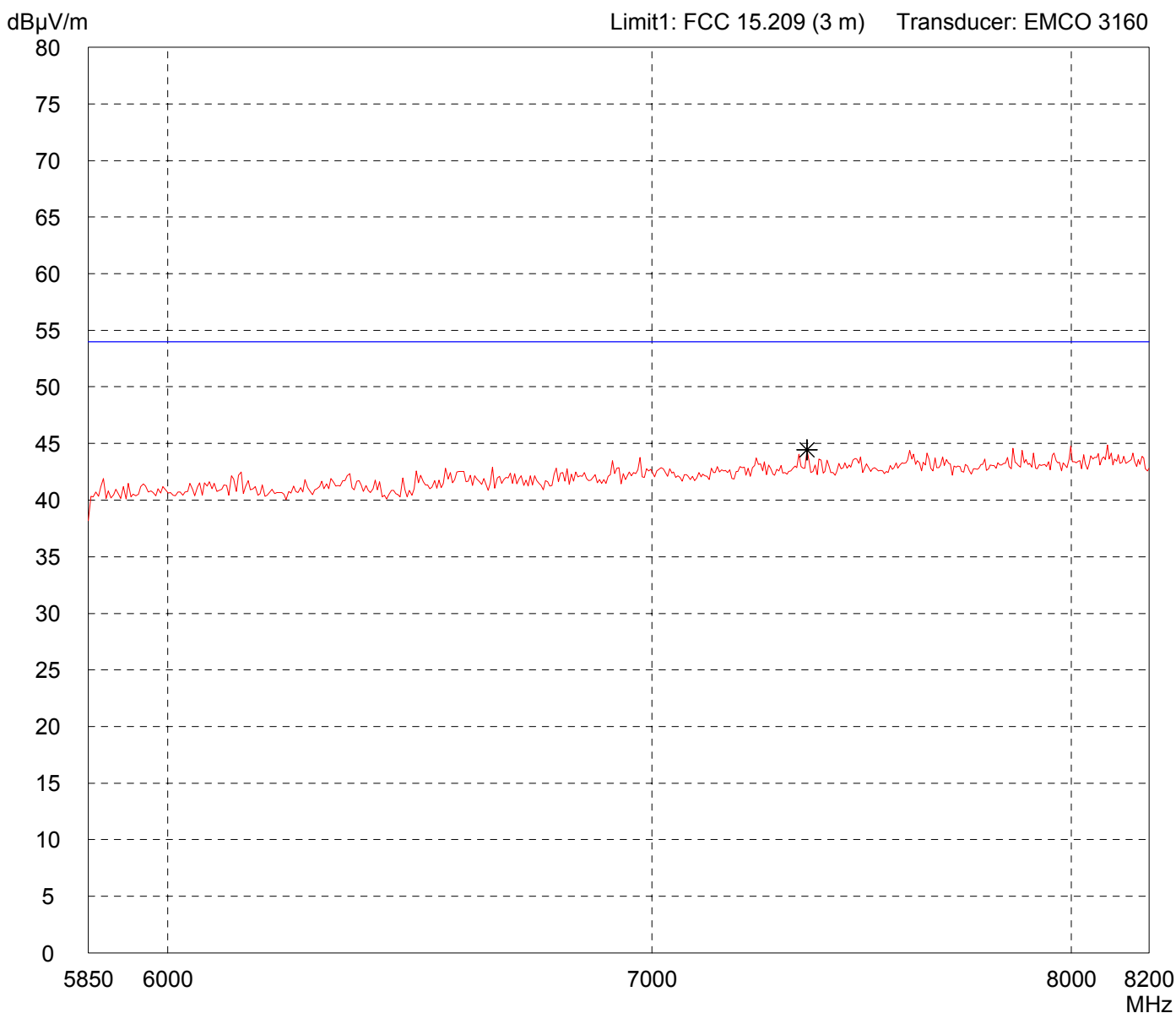
Result: Prescan

Project file: 50784-00618-3	Page of Pages
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Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISCMU0202-FCC</p> <p>Serial no.:</p> <p>Applicant: FEIG ELECTRONIC GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Horizontal Polarization</p> <p>Date of test: 07/29/2009 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
---	--

<p>Detector: Peak</p>	<p>List of values: Selected by hand</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-00618-3</p> <p style="text-align: right;">Page of Pages</p>
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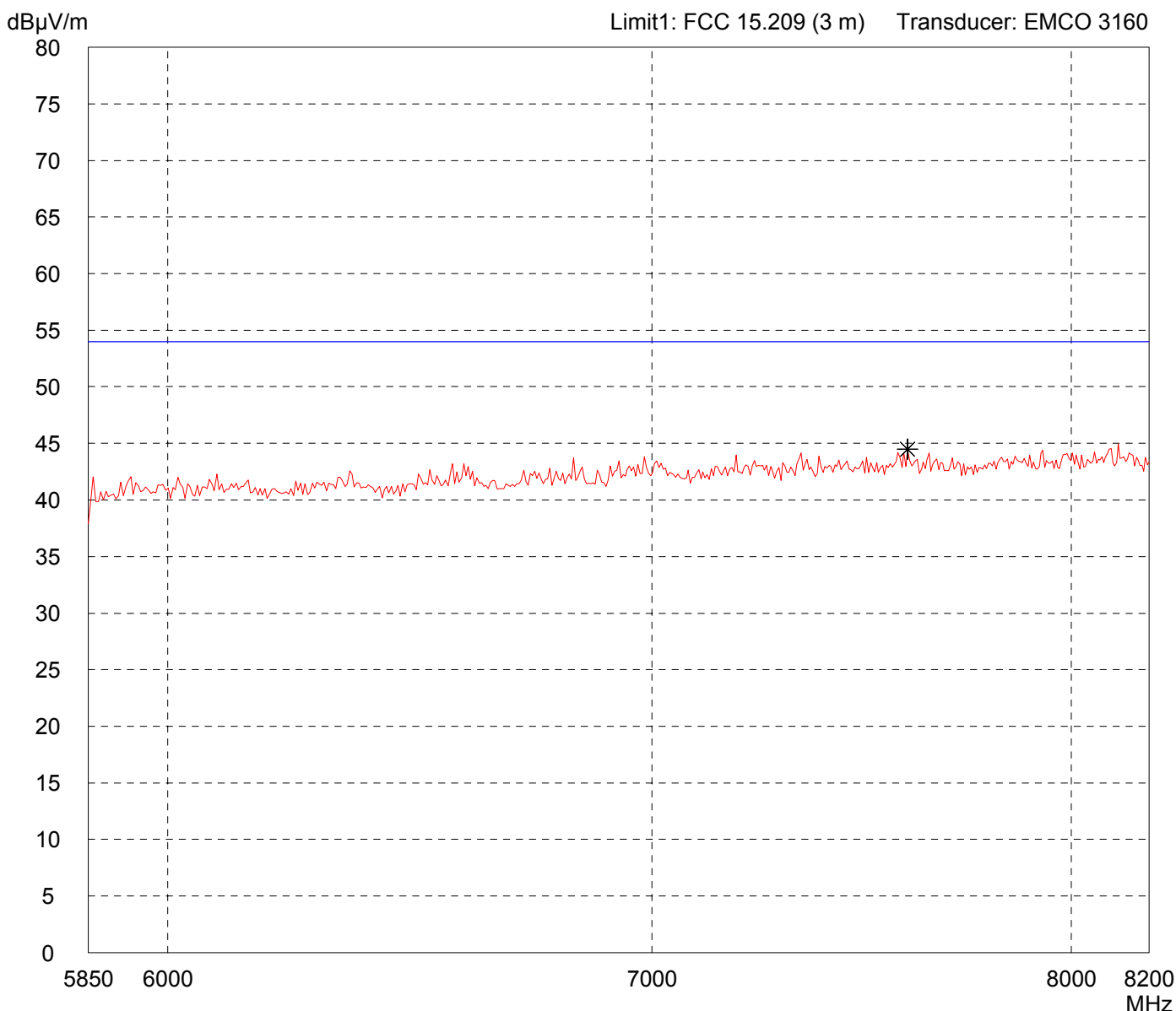
Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 07/29/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
--

Detector: Peak

List of values: Selected by hand



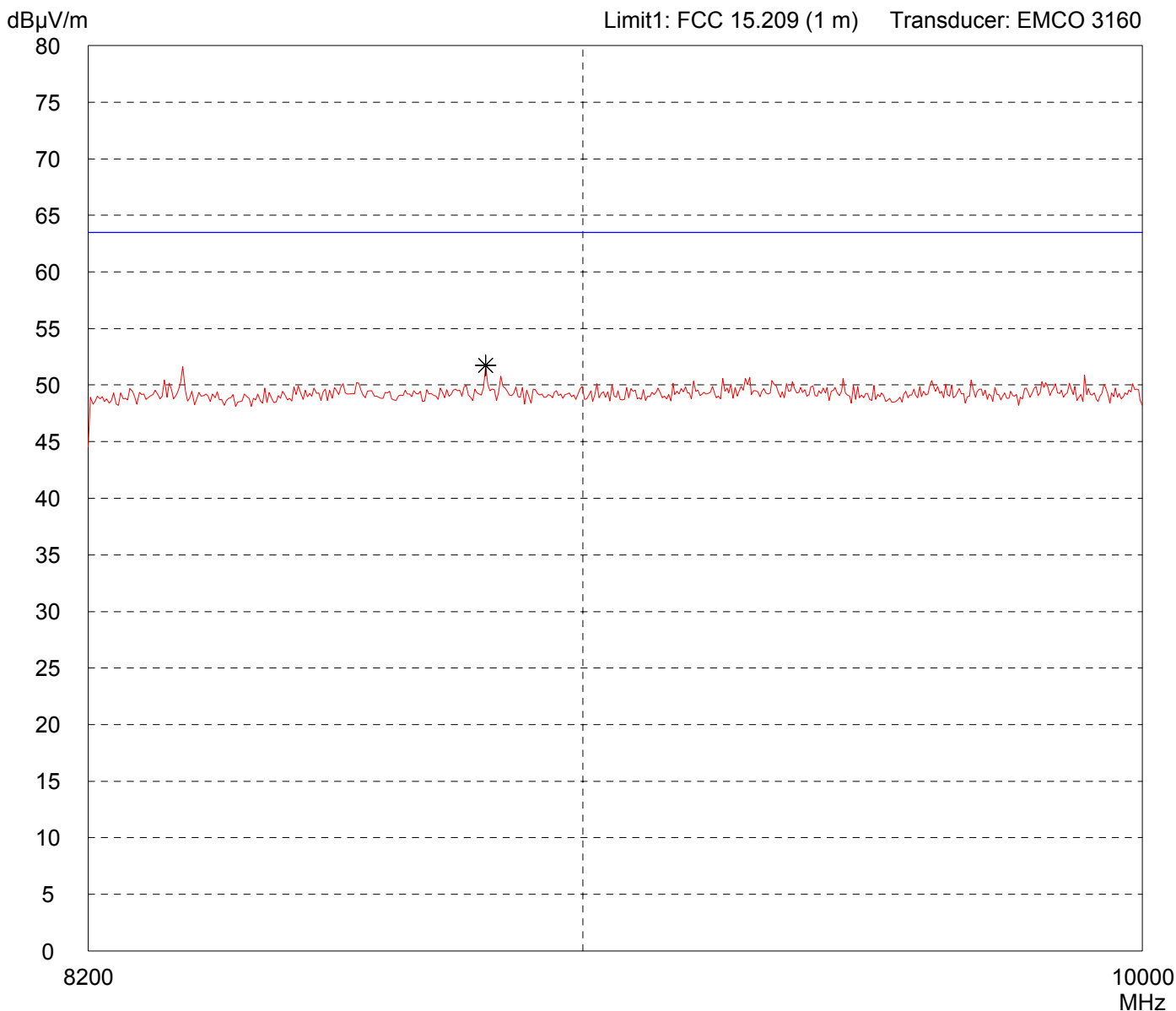
Result: Prescan

Project file: 50784-00618-3	Page of Pages
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISCMU0202-FCC</p> <p>Serial no.:</p> <p>Applicant: FEIG ELECTRONIC GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Horizontal Polarization</p> <p>Date of test: 07/29/2009 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
--	--

<p>Detector: Peak</p>	<p>List of values: Selected by hand</p>
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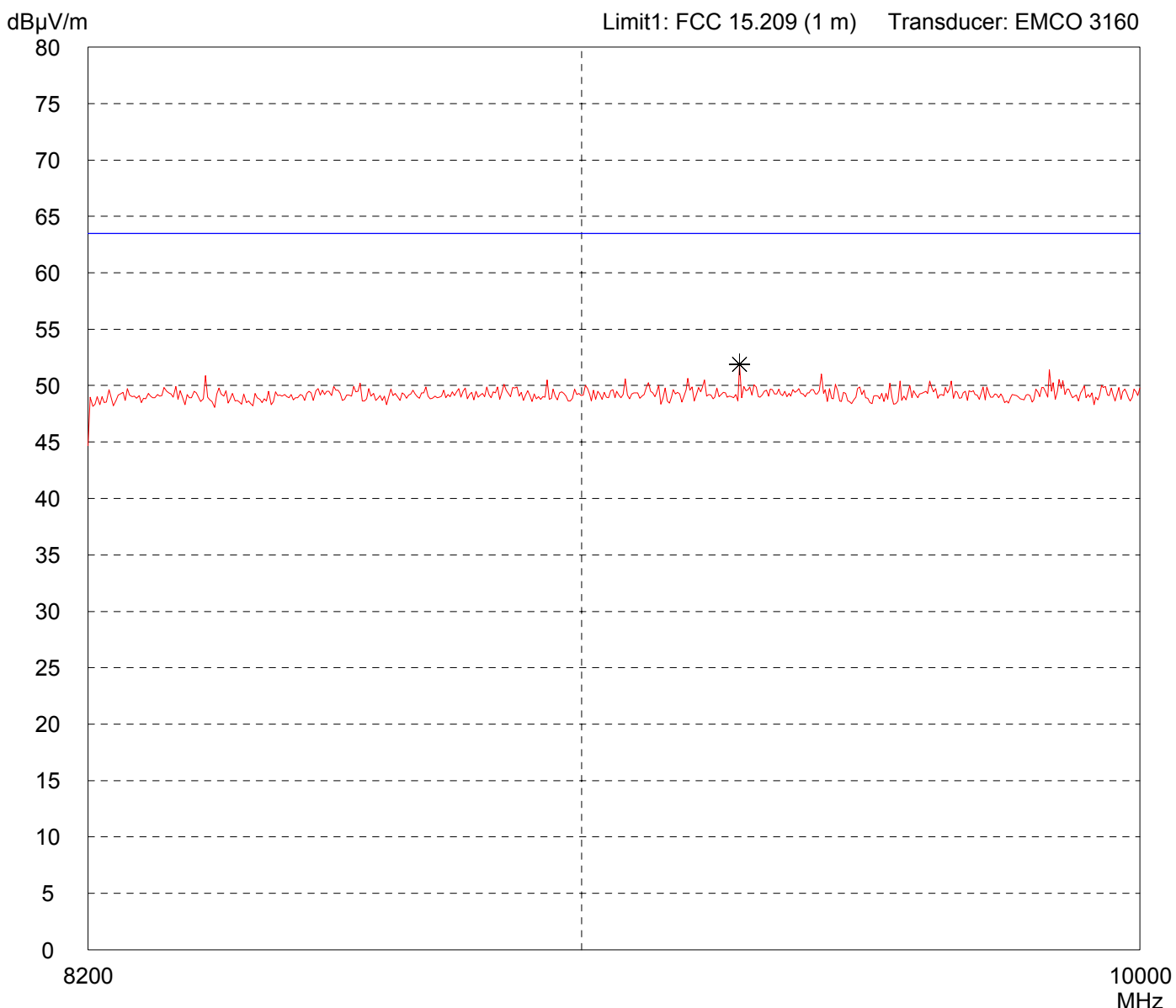


<p>Result: Prescan</p>	<p>Project file: 50784-00618-3</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISCMU0202-FCC</p> <p>Serial no.:</p> <p>Applicant: FEIG ELECTRONIC GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Vertical Polarization</p> <p>Date of test: 07/29/2009 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
--	--

<p>Detector: Peak</p>	<p>List of values: Selected by hand</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-00618-3</p> <p style="text-align: right;">Page of Pages</p>
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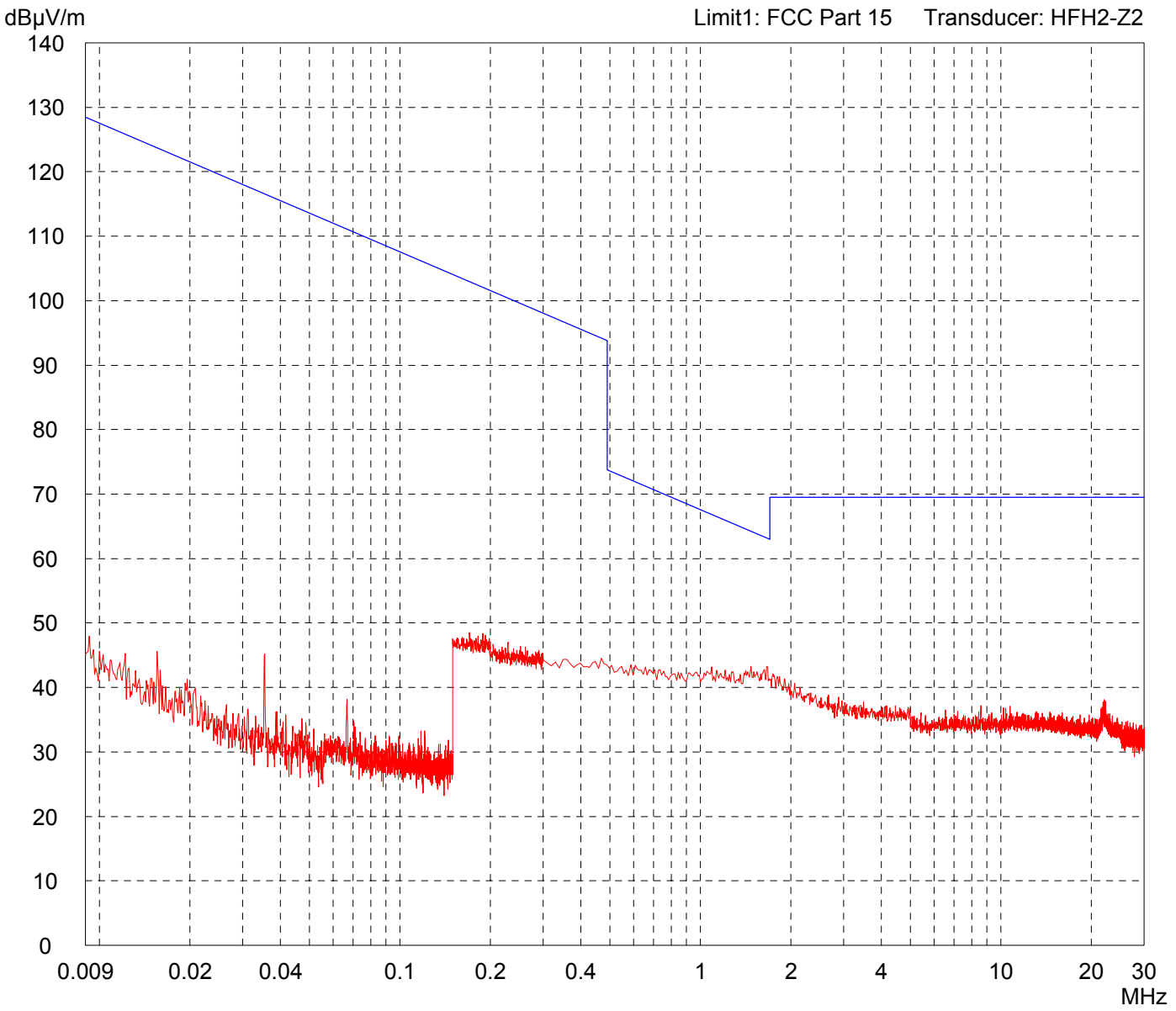
Radiated Emission Test 9 kHz - 30 MHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: by hand	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Antenna port: 2	
- Frequency: 902.75 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	

Detector: Peak

List of values:	
10 dB Margin	50 Subranges



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

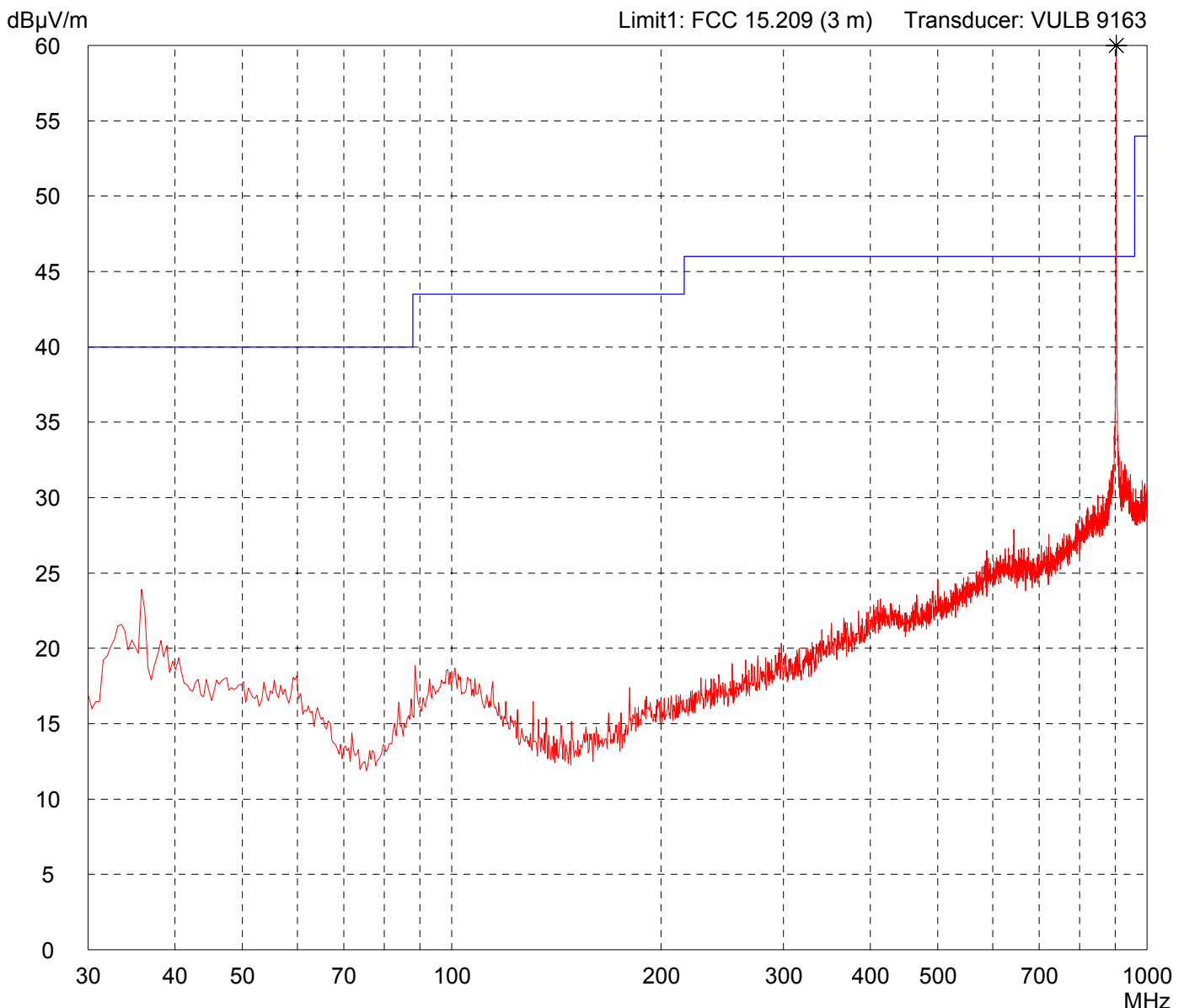
Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: last.emi

Comment:

- 5 V external power supply
- Transmitting continuously with modulation
- Antenna port: 2
- Frequency: 902.75 MHz
- With antenna ID ISC.ANT.U170/170-FCC
- With notch filter set to carrier frequency

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
50784-00618-3 Page of Pages

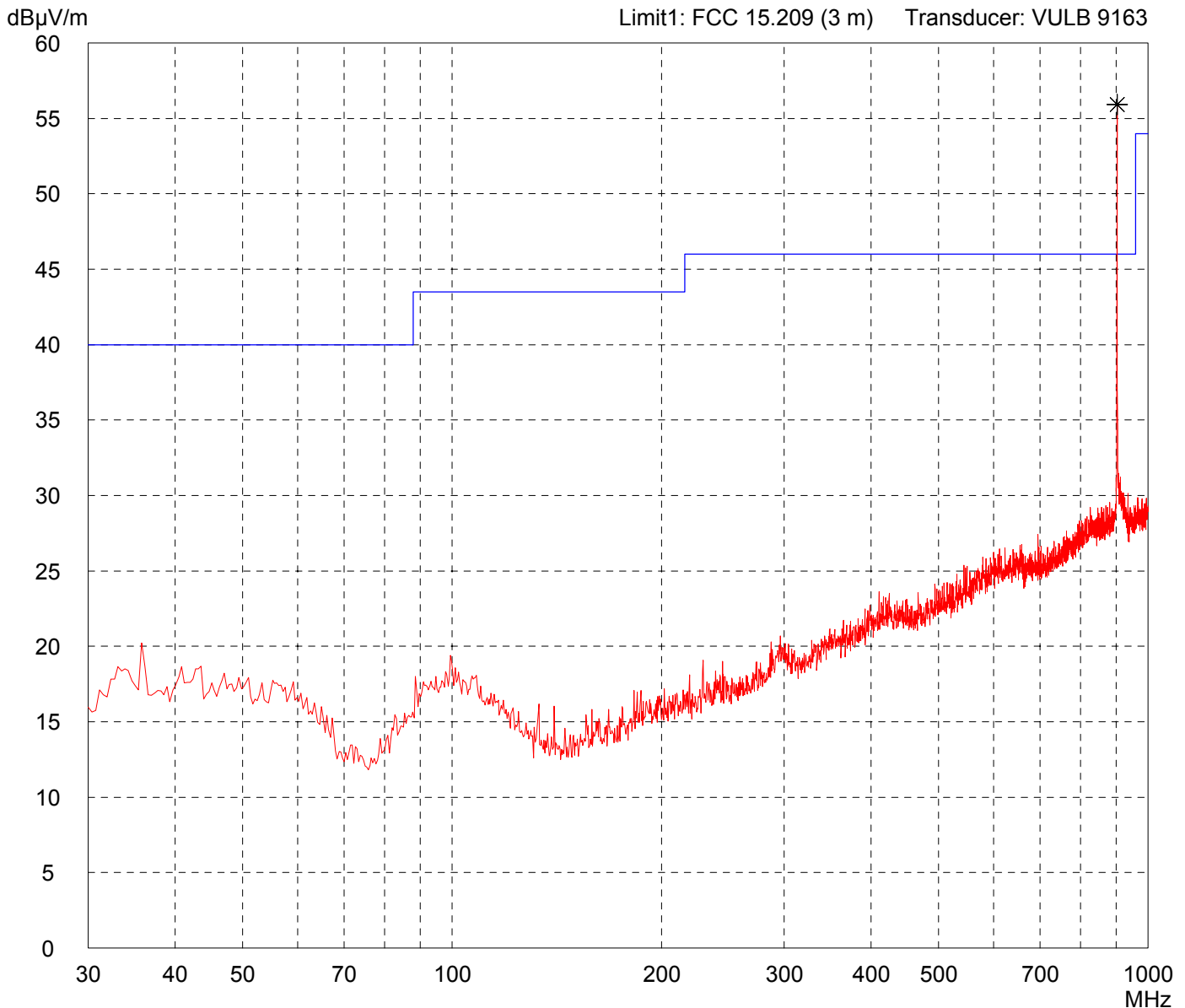
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Antenna port: 2	
- Frequency: 902.75 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	
10 dB Margin	50 Subranges



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model:
ID ISCMU0202-FCC

Serial no.:

Applicant:
FEIG ELECTRONIC GmbH

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 metres
Horizontal Polarization

Date of test:
08/12/2009

Operator:
M. Steindl

Test performed:
automatically

File name:
default.emi

Comment:

- 5 V external power supply
- Transmitting continuously with modulation
- Antenna port: 2
- Frequency: 901.75 MHz
- With antenna ID ISC.ANT.U170/170-FCC
- With high-pass-filter

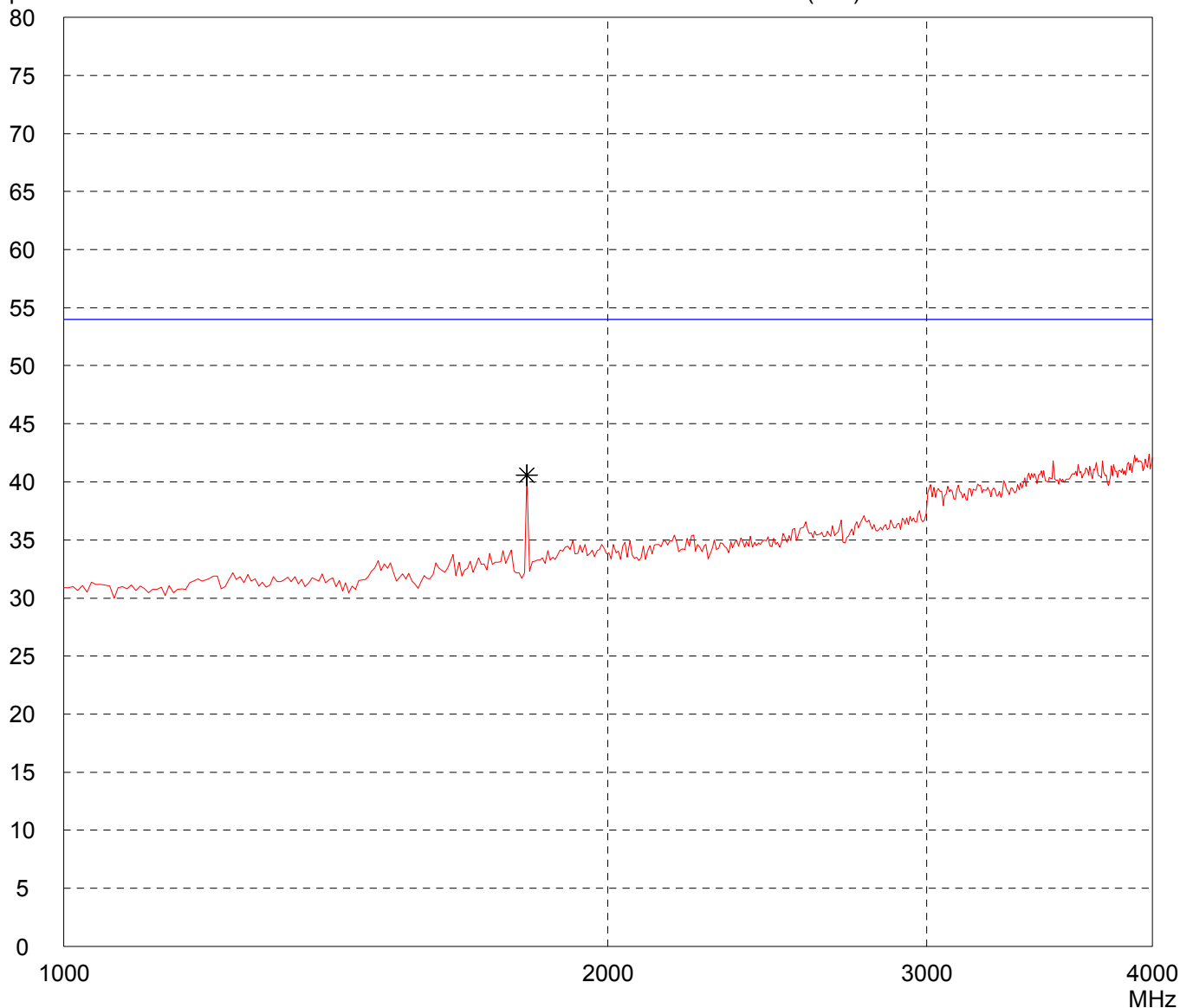
Detector:
Peak

List of values:
Selected by hand

$\text{dB}\mu\text{V}/\text{m}$

Limit1: FCC 15.209 (3 m)

Transducer: EMCO 3115



Result:
Prescan

Project file:
50784-00618-3

Page of Pages

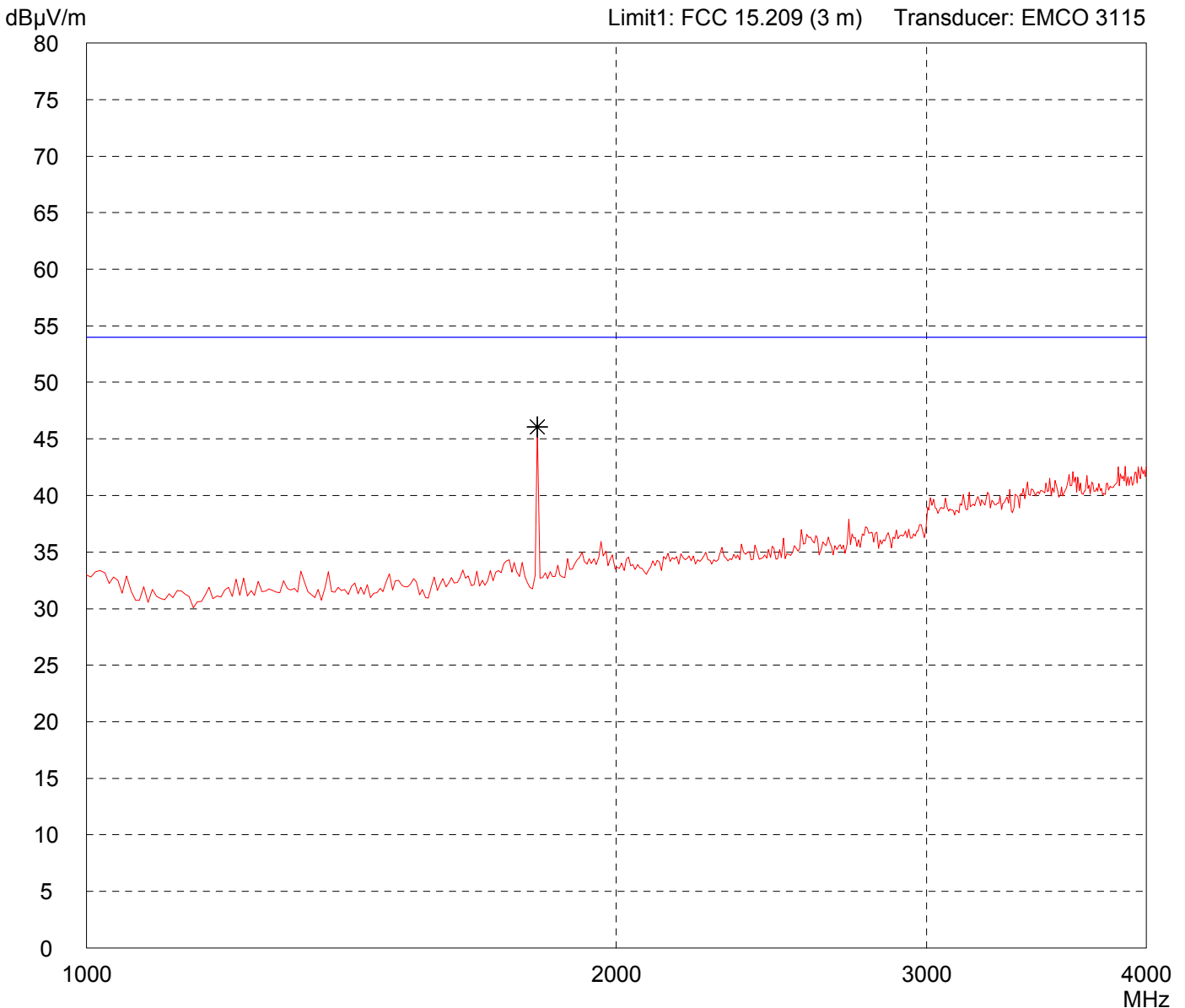
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Antenna port: 2	
- Frequency: 901.75 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With high-pass-filter	

Detector: Peak

List of values:	
10 dB Margin	50 Subranges



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

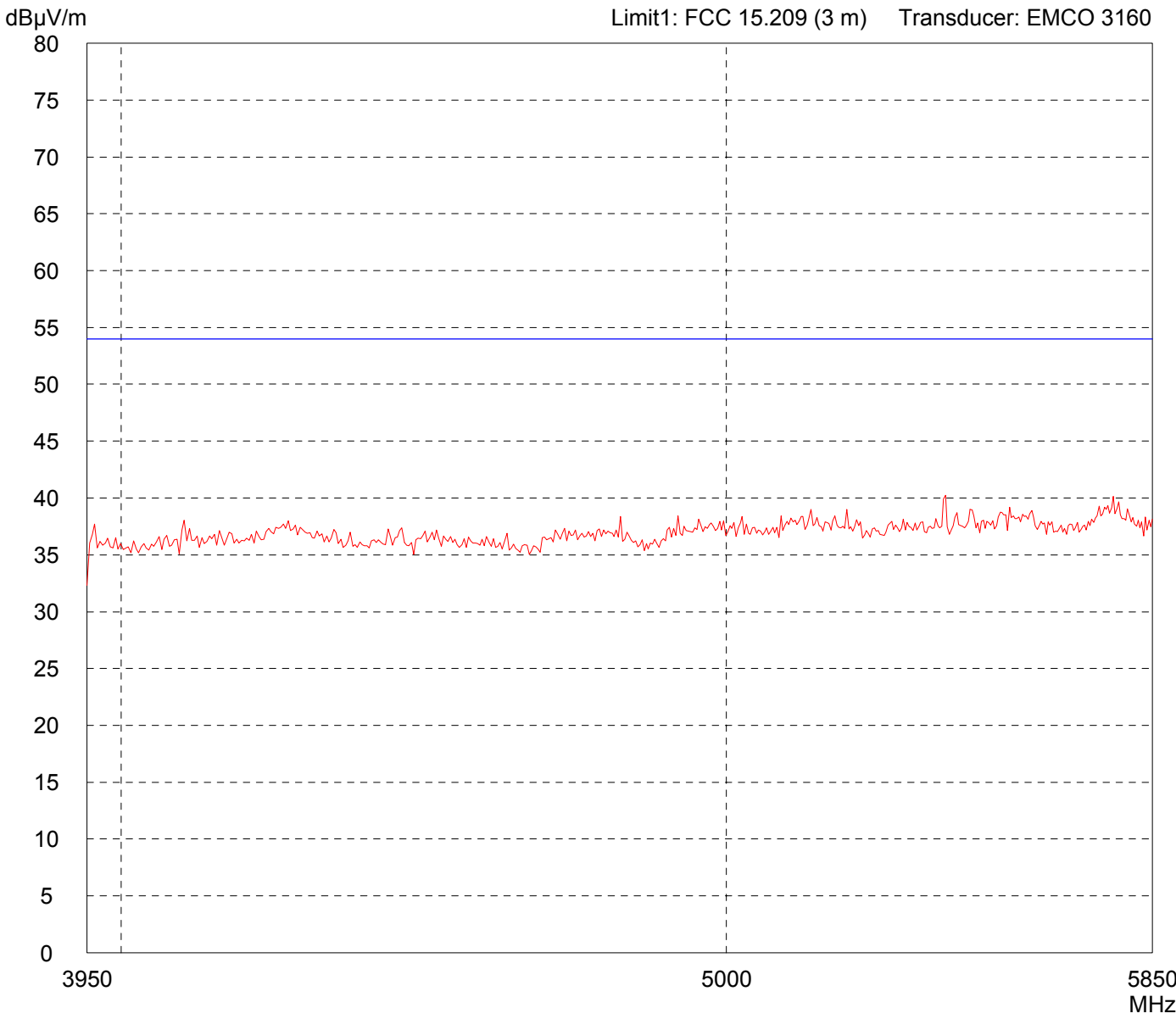
Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:

- 5 V external power supply
- Transmitting continuously with modulation
- Antenna port: 2
- Frequency: 902.75 MHz
- With antenna ID ISC.ANT.U170/170-FCC
- With high-pass-filter

Detector: Peak

List of values:
10 dB Margin 50 Subranges



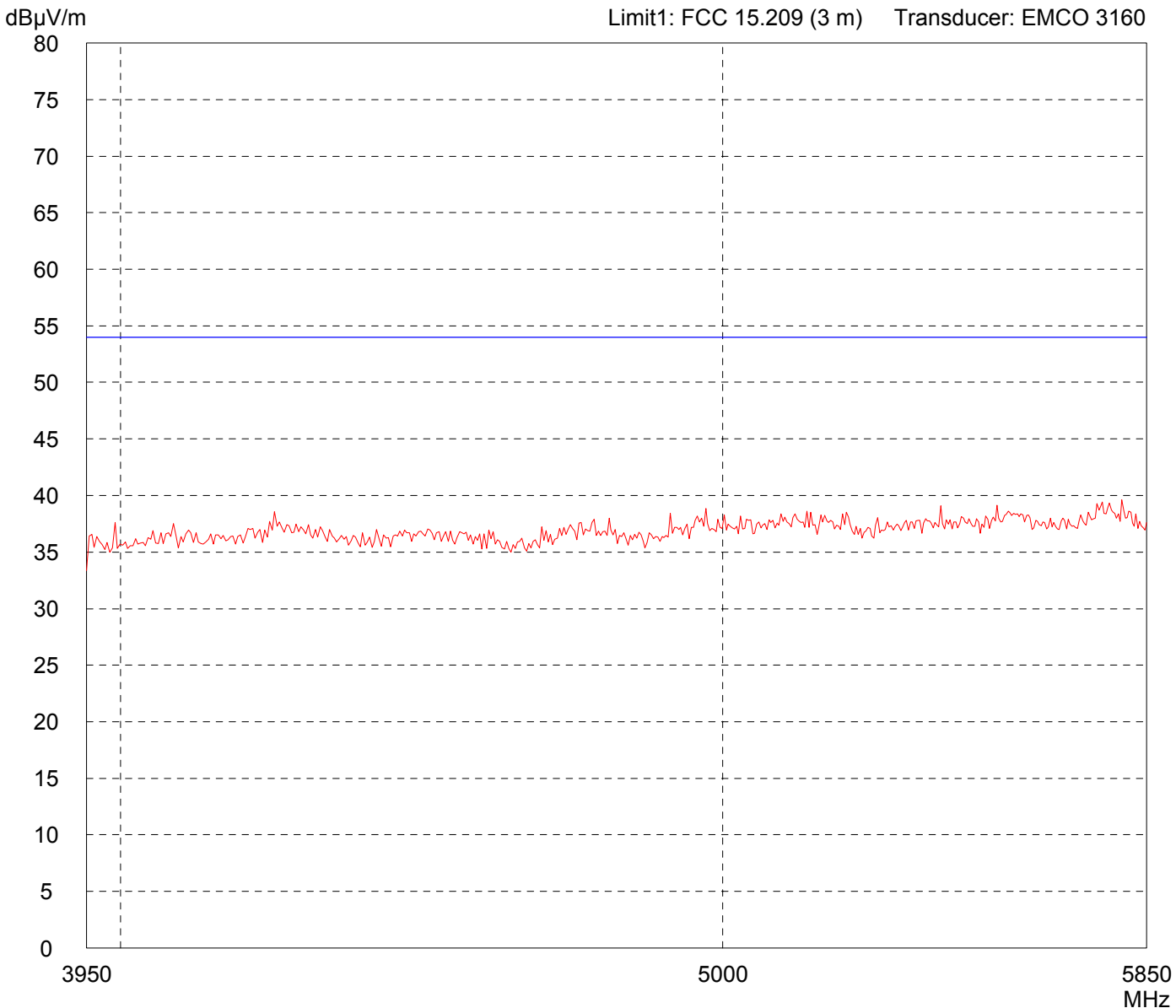
Result: Prescan

Project file:
50784-00618-3 Page of Pages

Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISCMU0202-FCC</p> <p>Serial no.:</p> <p>Applicant: FEIG ELECTRONIC GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Vertical Polarization</p> <p>Date of test: 08/12/2009 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Antenna port: 2 - Frequency: 902.75 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-00618-3</p> <p style="text-align: right;">Page of Pages</p>
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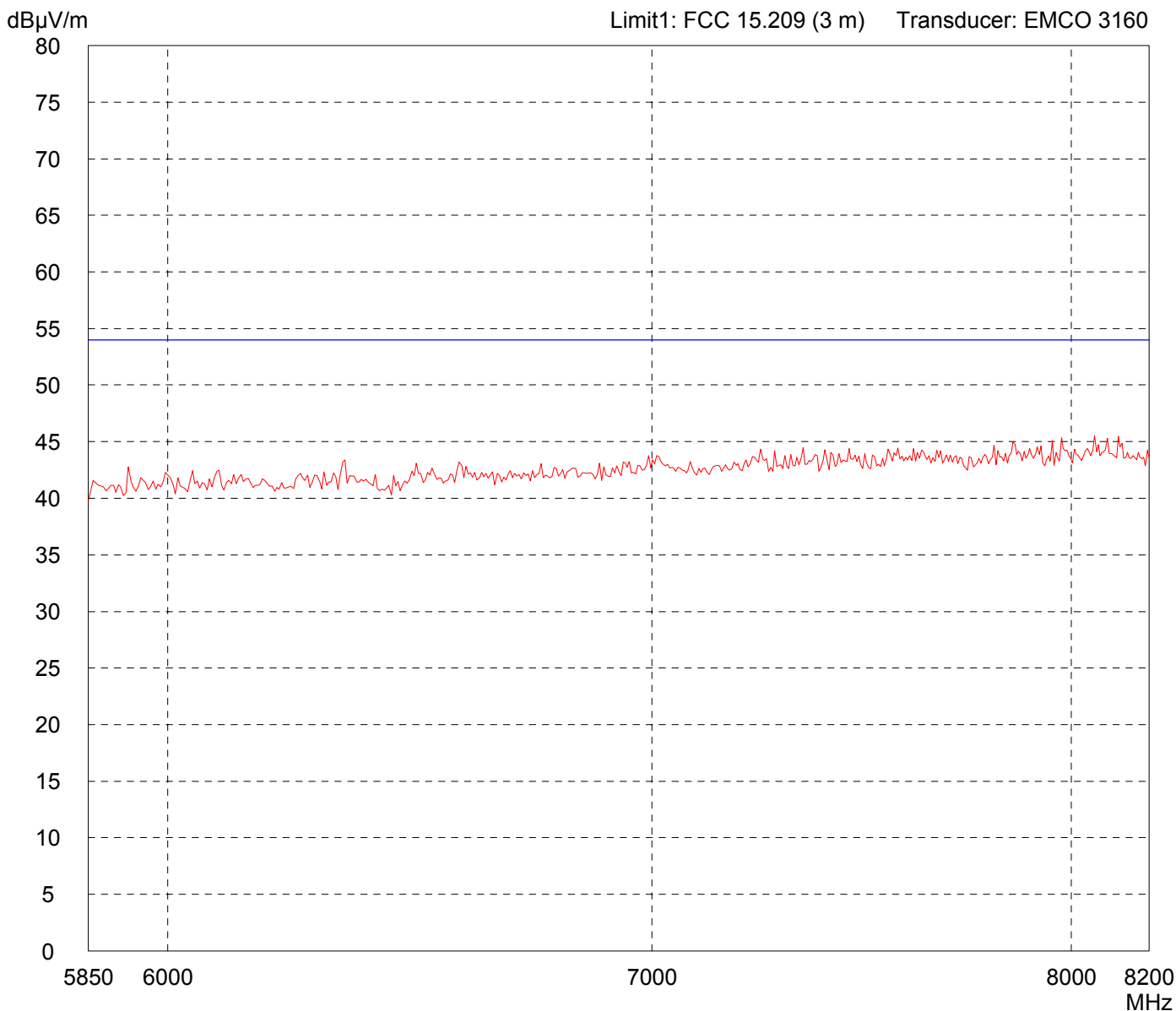
Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Antenna port: 2 - Frequency: 901.75 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter

Detector: Peak

List of values: Selected by hand



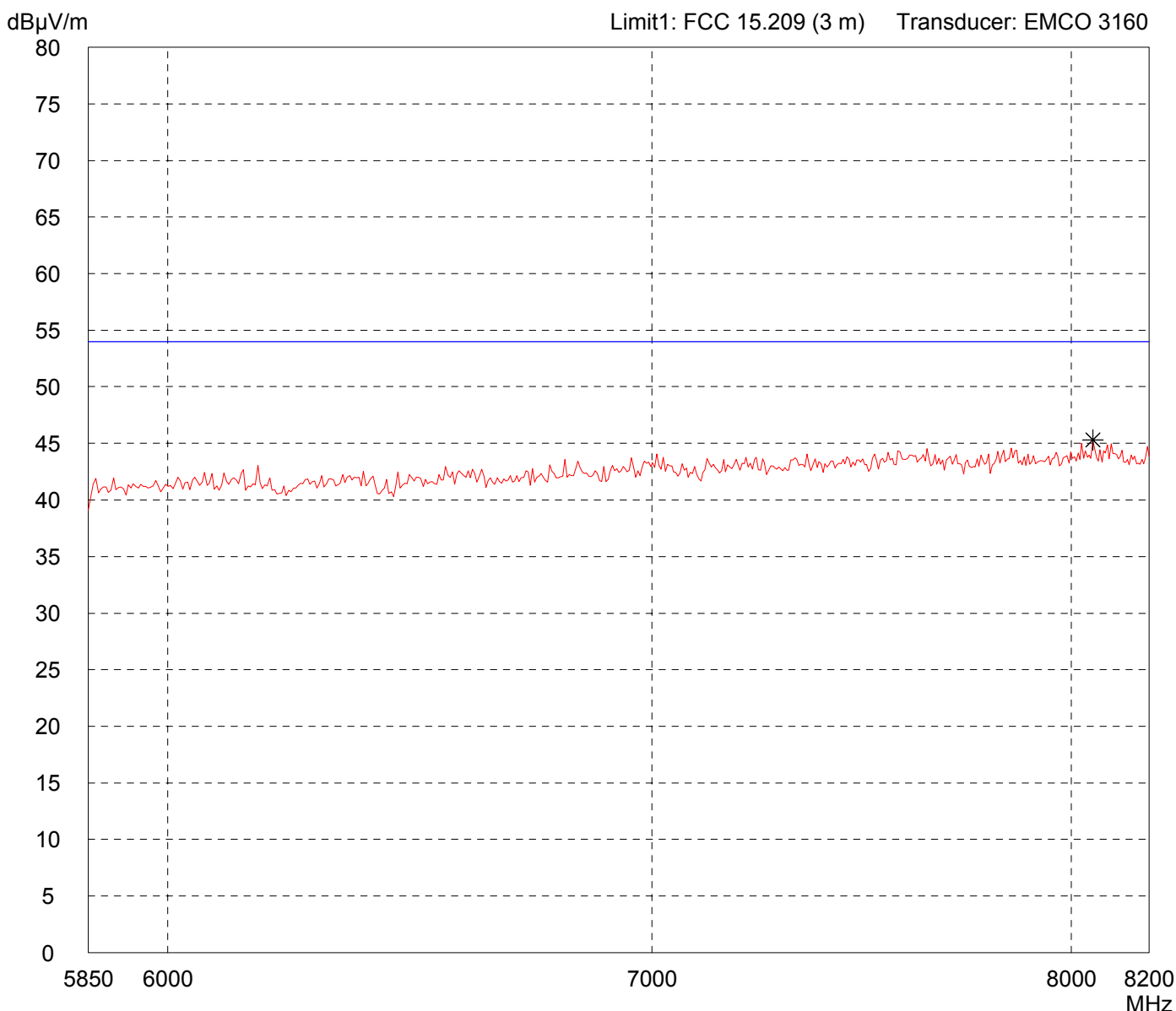
Result: Prescan

Project file: 50784-00618-3	Page of Pages
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Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISCMU0202-FCC</p> <p>Serial no.:</p> <p>Applicant: FEIG ELECTRONIC GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Vertical Polarization</p> <p>Date of test: 08/12/2009 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Antenna port: 2 - Frequency: 901.75 MHz - With antenna ID ISC.ANT.U170/170-FCC - With high-pass-filter
---	---

<p>Detector: Peak</p>	<p>List of values: Selected by hand</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-00618-3</p> <p style="text-align: right;">Page of Pages</p>
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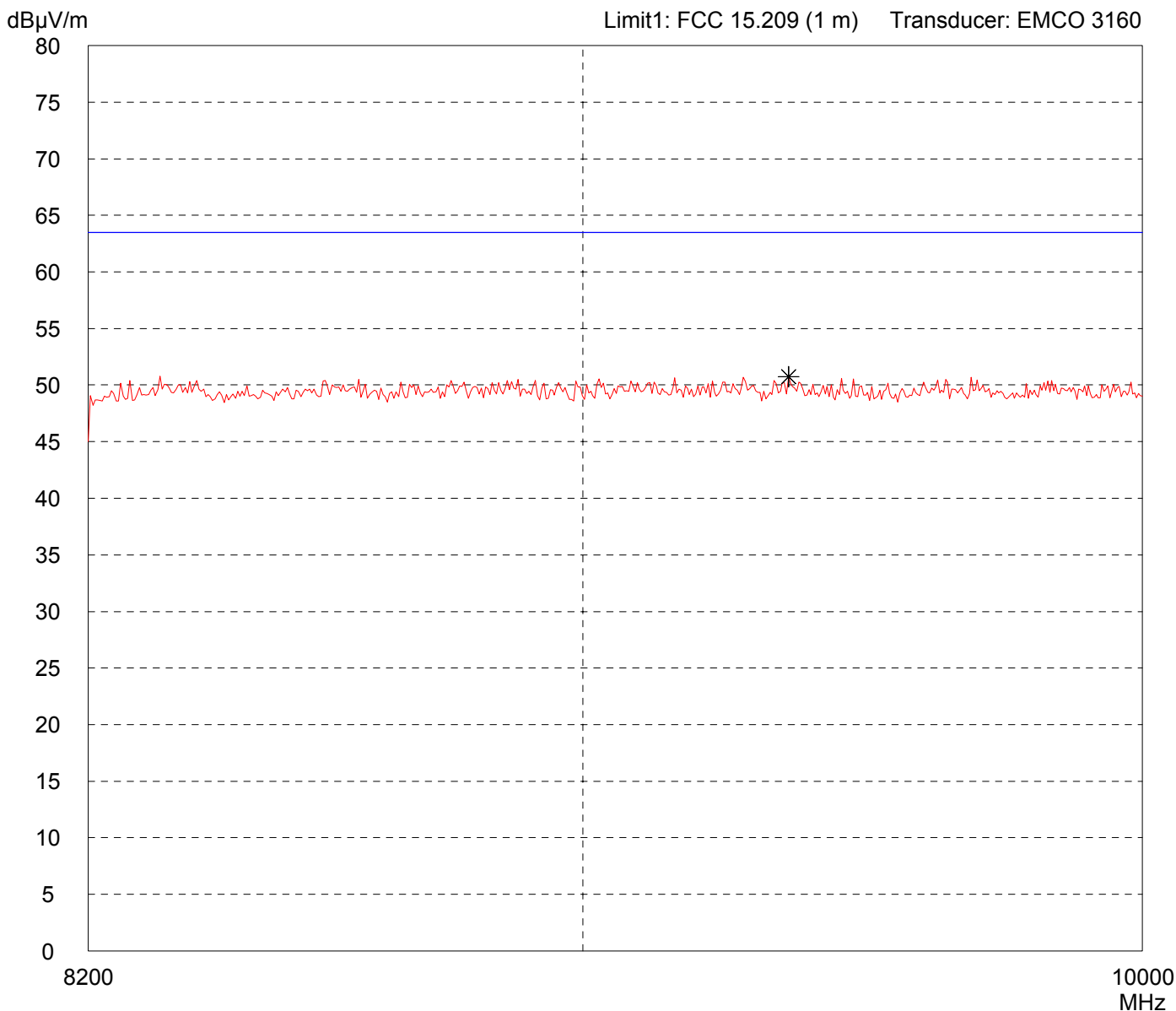
Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Antenna port: 2 - Frequency: 902.75 MHz - With antenna ID ISC.ANT.U170/170-FCC
--

Detector: Peak

List of values: Selected by hand



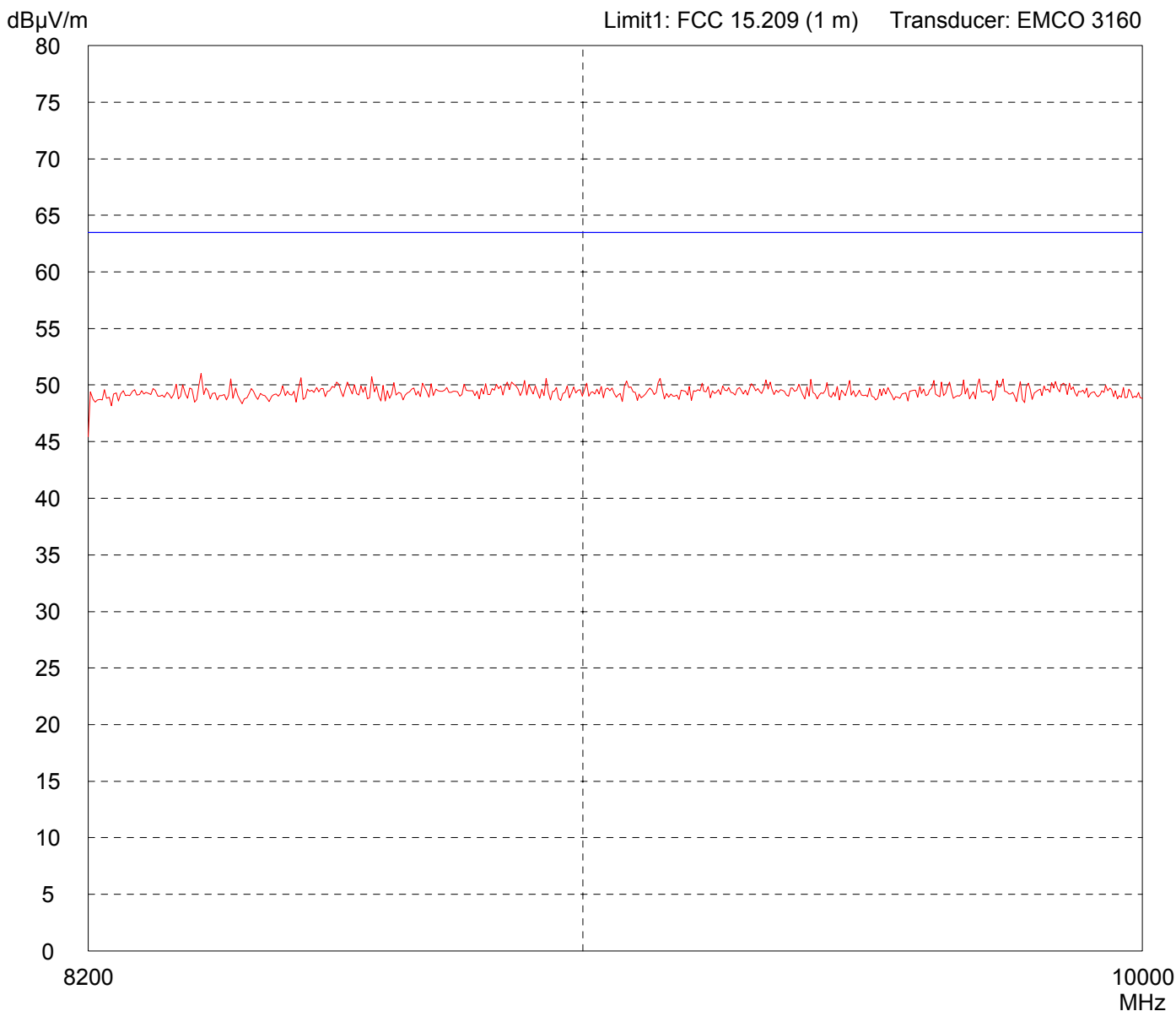
Result: Prescan

Project file: 50784-00618-3	Page of Pages
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISCMU0202-FCC</p> <p>Serial no.:</p> <p>Applicant: FEIG ELECTRONIC GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Vertical Polarization</p> <p>Date of test: 08/12/2009 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Antenna port: 2 - Frequency: 902.75 MHz - With antenna ID ISC.ANT.U170/170-FCC
--	--

<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-00618-3</p> <p style="text-align: right;">Page of Pages</p>
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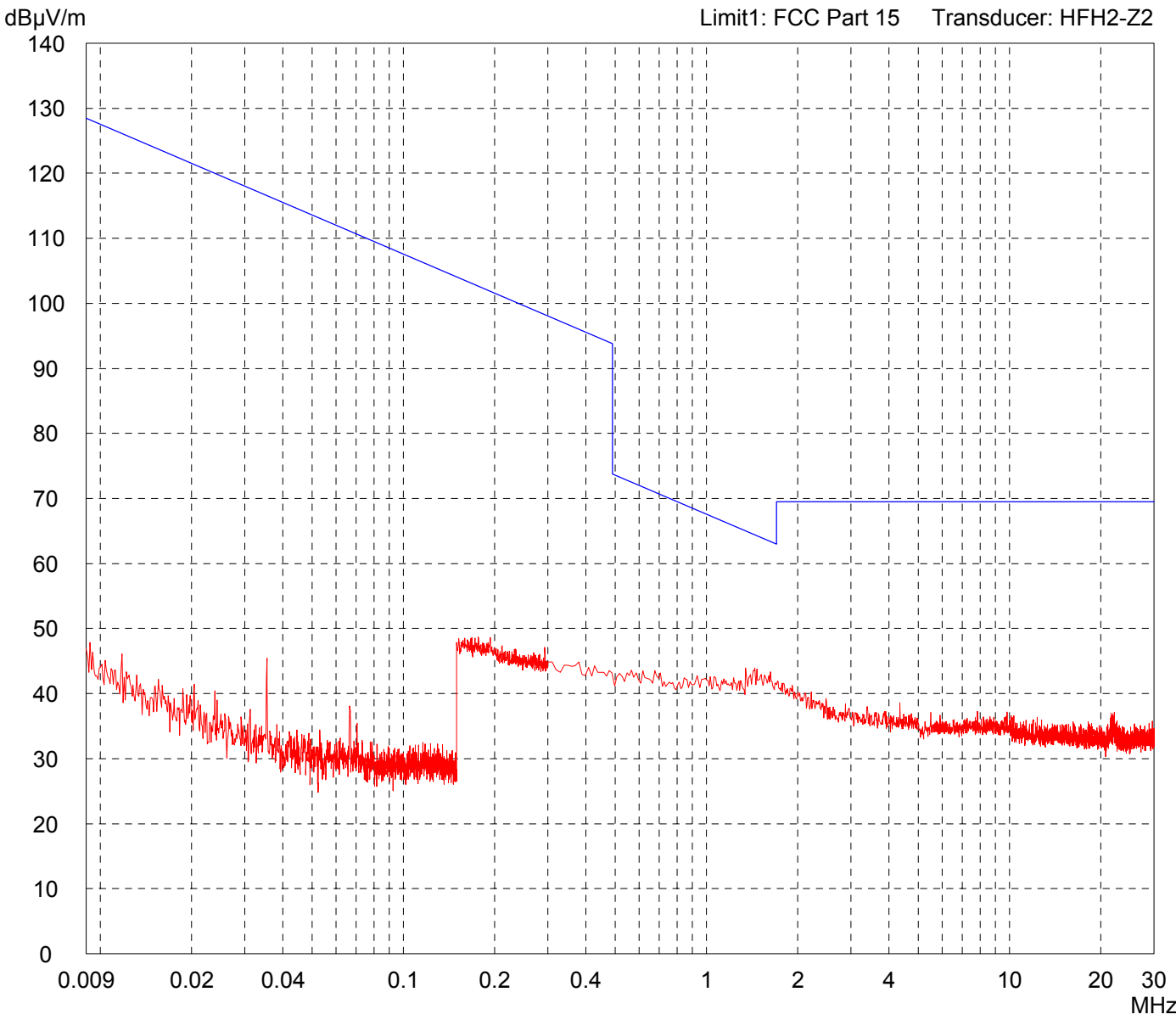
Radiated Emission Test 9 kHz - 30 MHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: by hand	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Antenna port: 2	
- Frequency: 915.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	

Detector: Peak

List of values: 10 dB Margin	50 Subranges
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Result: Prescan

Project file: 50784-00618-3	Page of Pages
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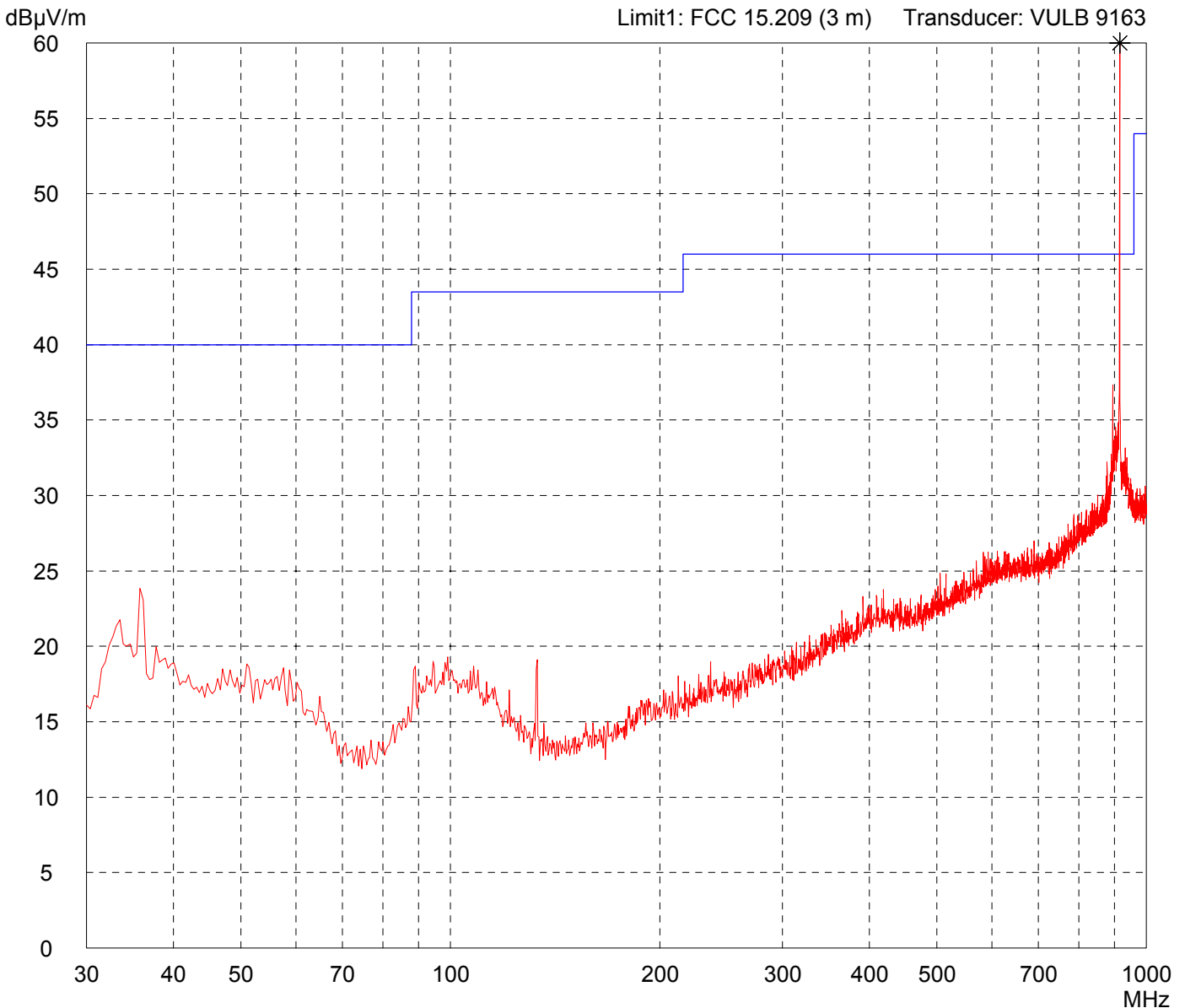
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Antenna port: 2	
- Frequency: 915.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	
10 dB Margin	50 Subranges



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model:
ID ISCMU0202-FCC

Serial no.:

Applicant:
FEIG ELECTRONIC GmbH

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 metres
Vertical Polarization

Date of test:
08/12/2009

Operator:
M. Steindl

Test performed:
automatically

File name:
default.emi

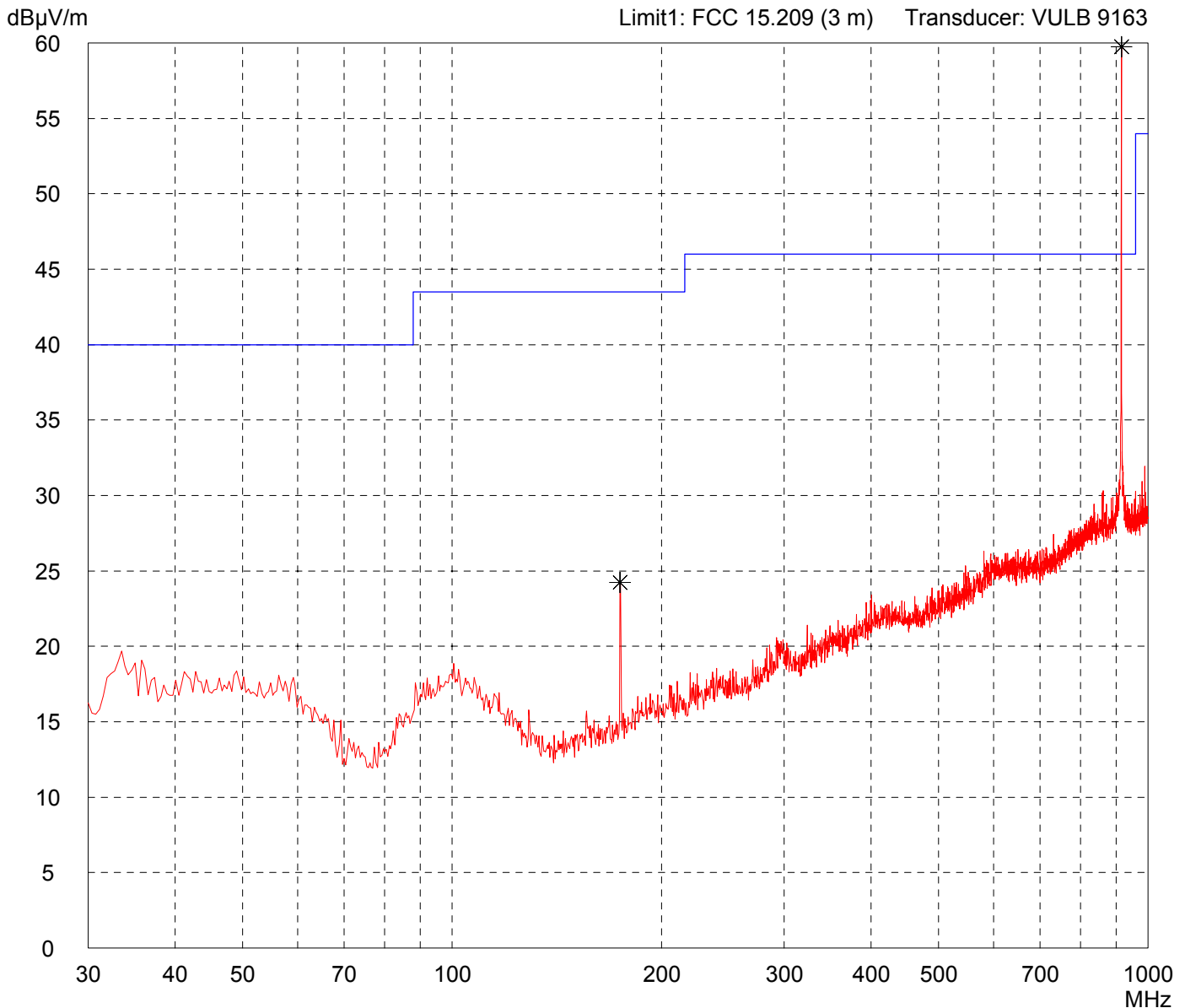
Comment:

- 5 V external power supply
- Transmitting continuously with modulation
- Antenna port: 2
- Frequency: 915.25 MHz
- With antenna ID ISC.ANT.U170/170-FCC

- With notch filter set to carrier frequency

Detector:
Peak

List of values:
Selected by hand



Result:
Prescan

Project file:
50784-00618-3

Page of Pages

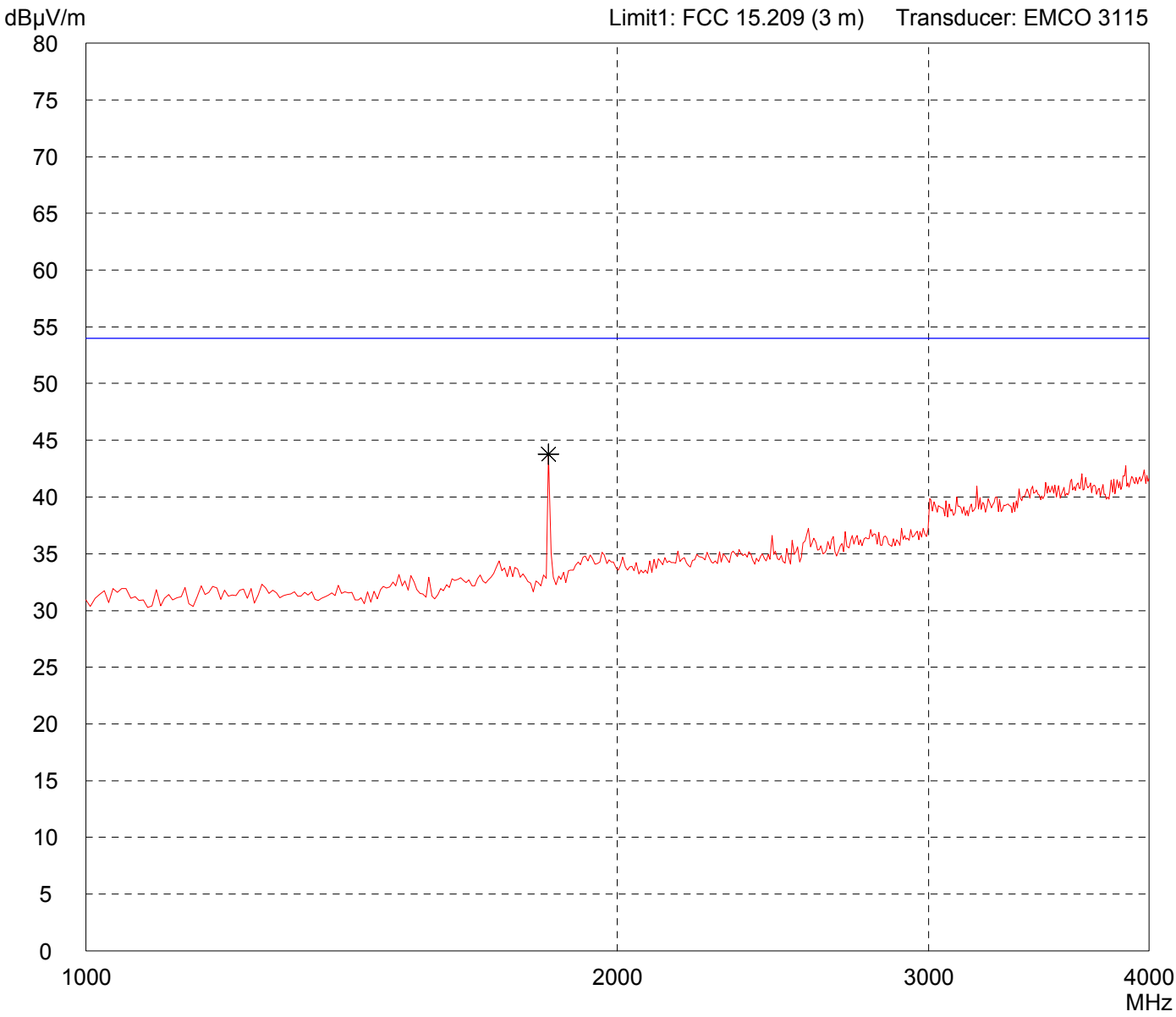
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Antenna port: 2 - Frequency: 915.25 MHz - With antenna ID ISC.ANT.U170/170-FCC
--

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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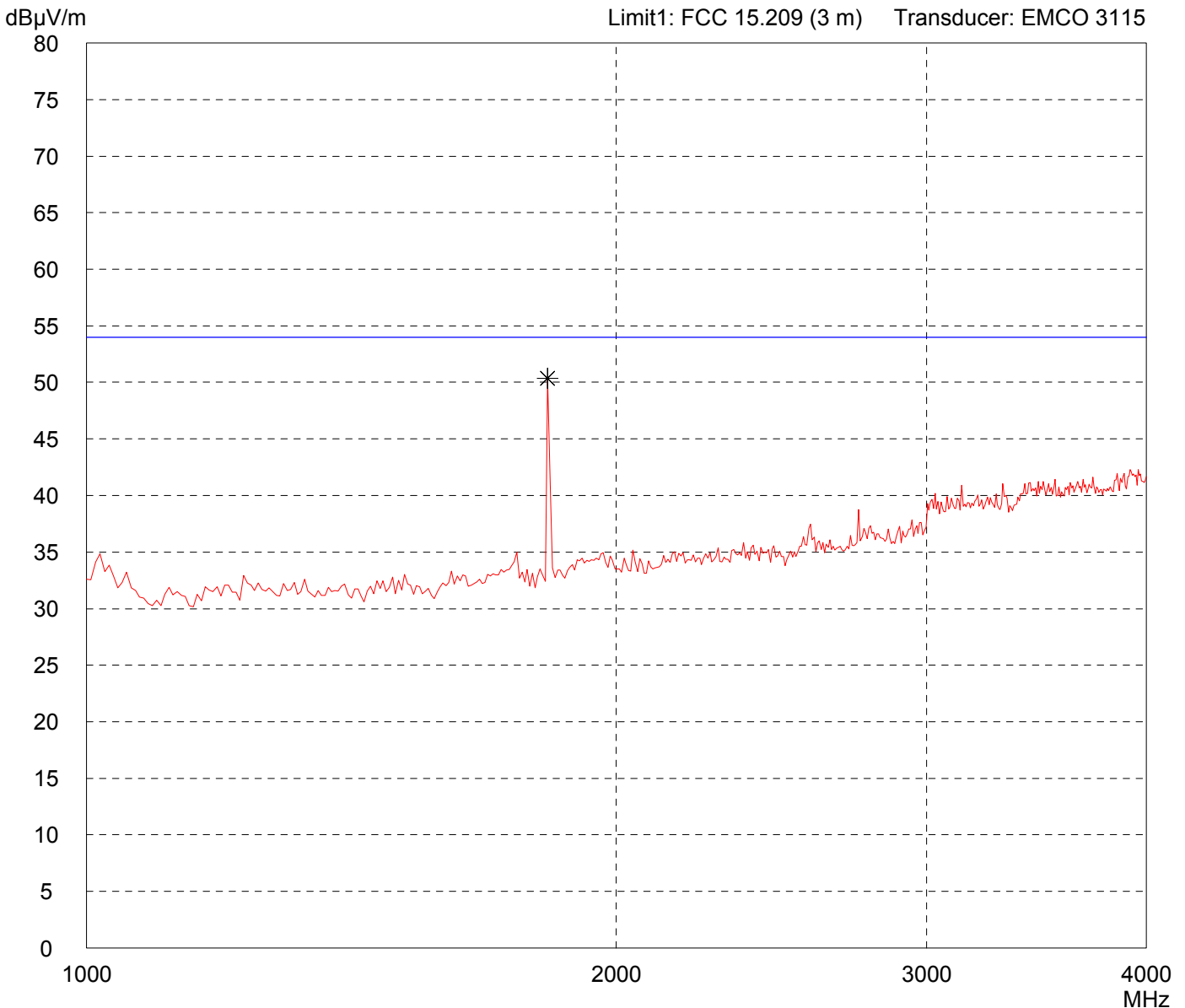
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Antenna port: 2	
- Frequency: 915.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	

Detector: Peak

List of values:	
10 dB Margin	50 Subranges



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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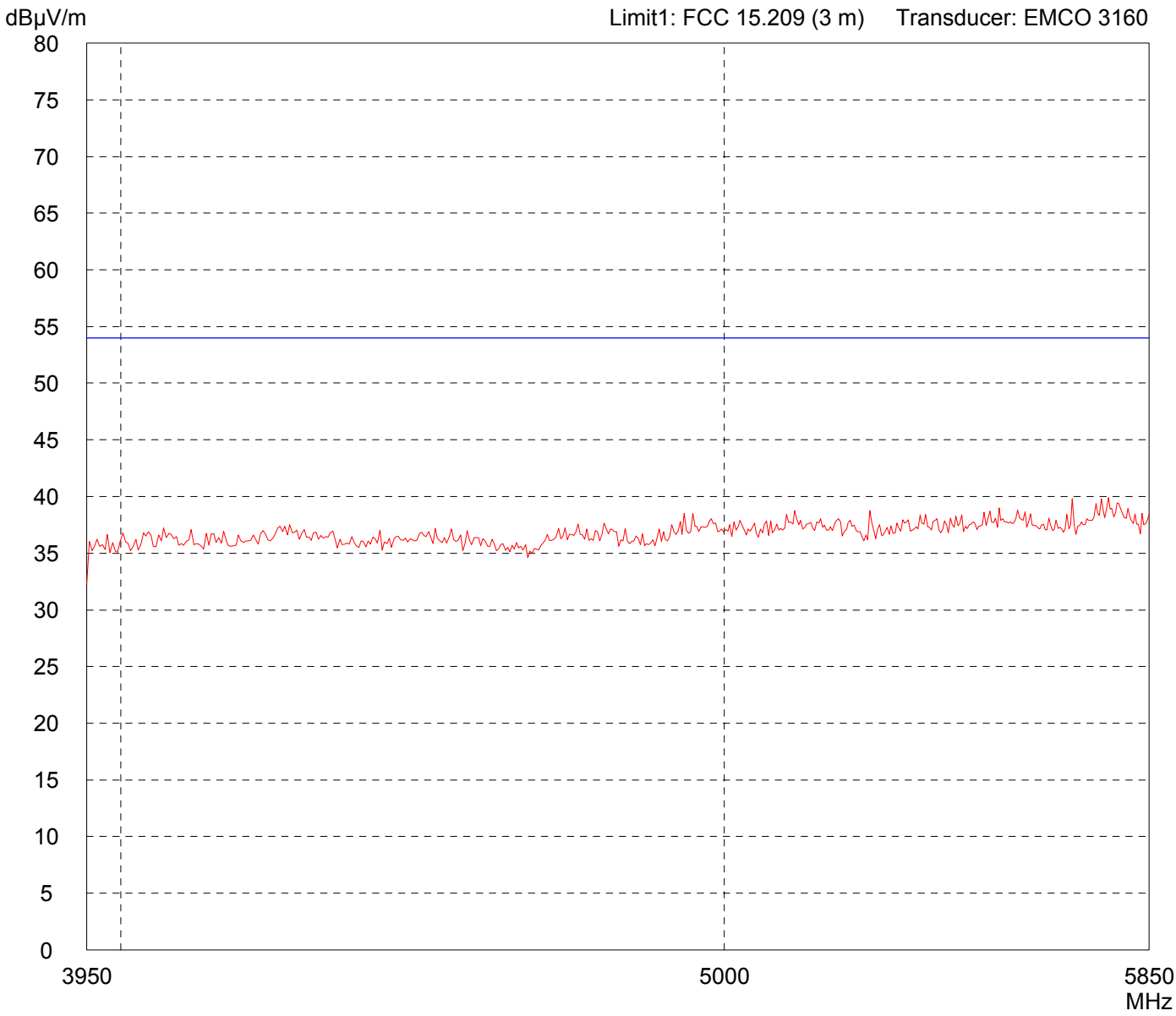
Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Antenna port: 2 - Frequency: 915.25 MHz - With antenna ID ISC.ANT.U170/170-FCC	
--	--

Detector: Peak

List of values: 10 dB Margin	50 Subranges
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Result: Prescan

Project file: 50784-00618-3	Page of Pages
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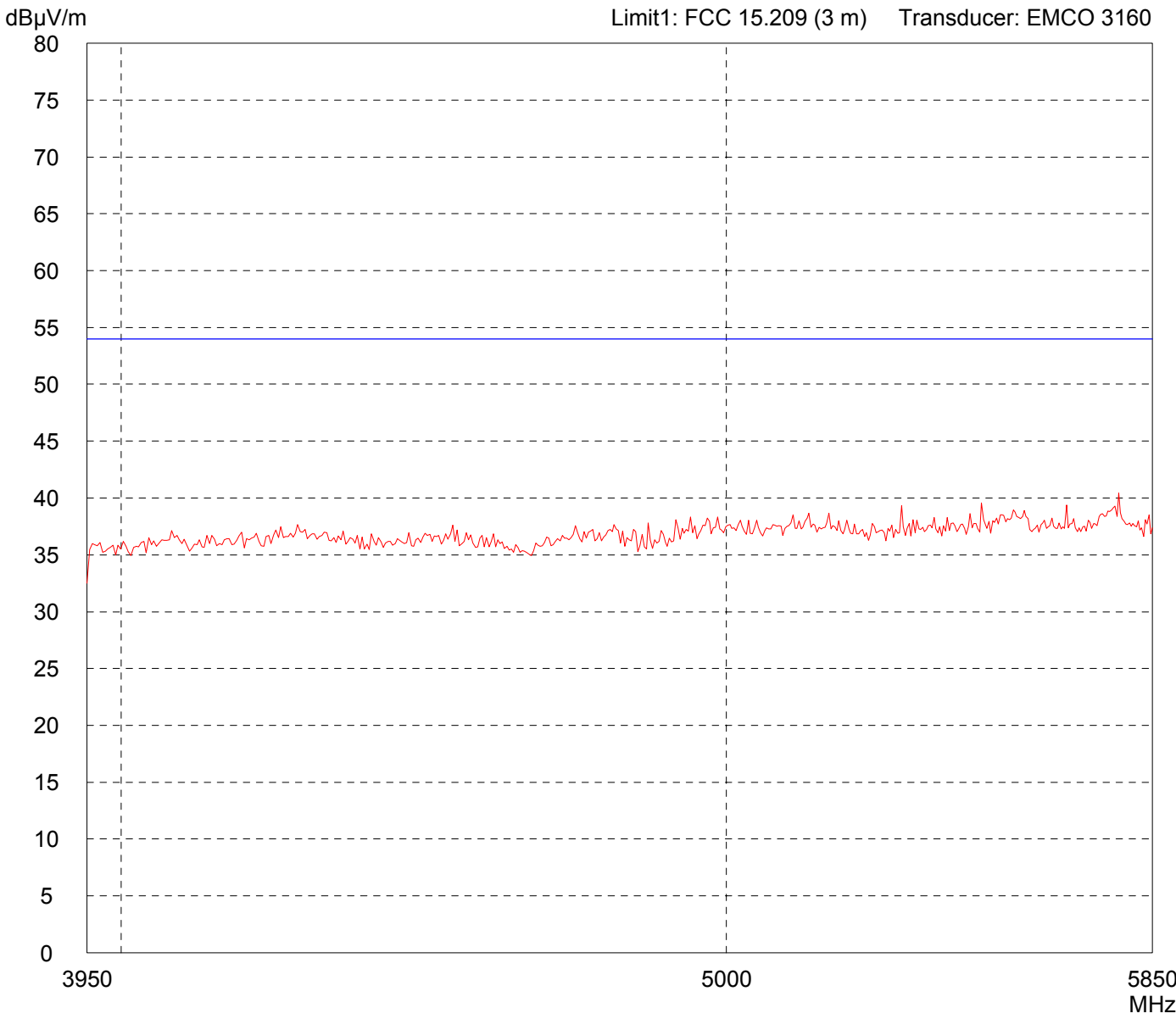
Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Antenna port: 2	
- Frequency: 915.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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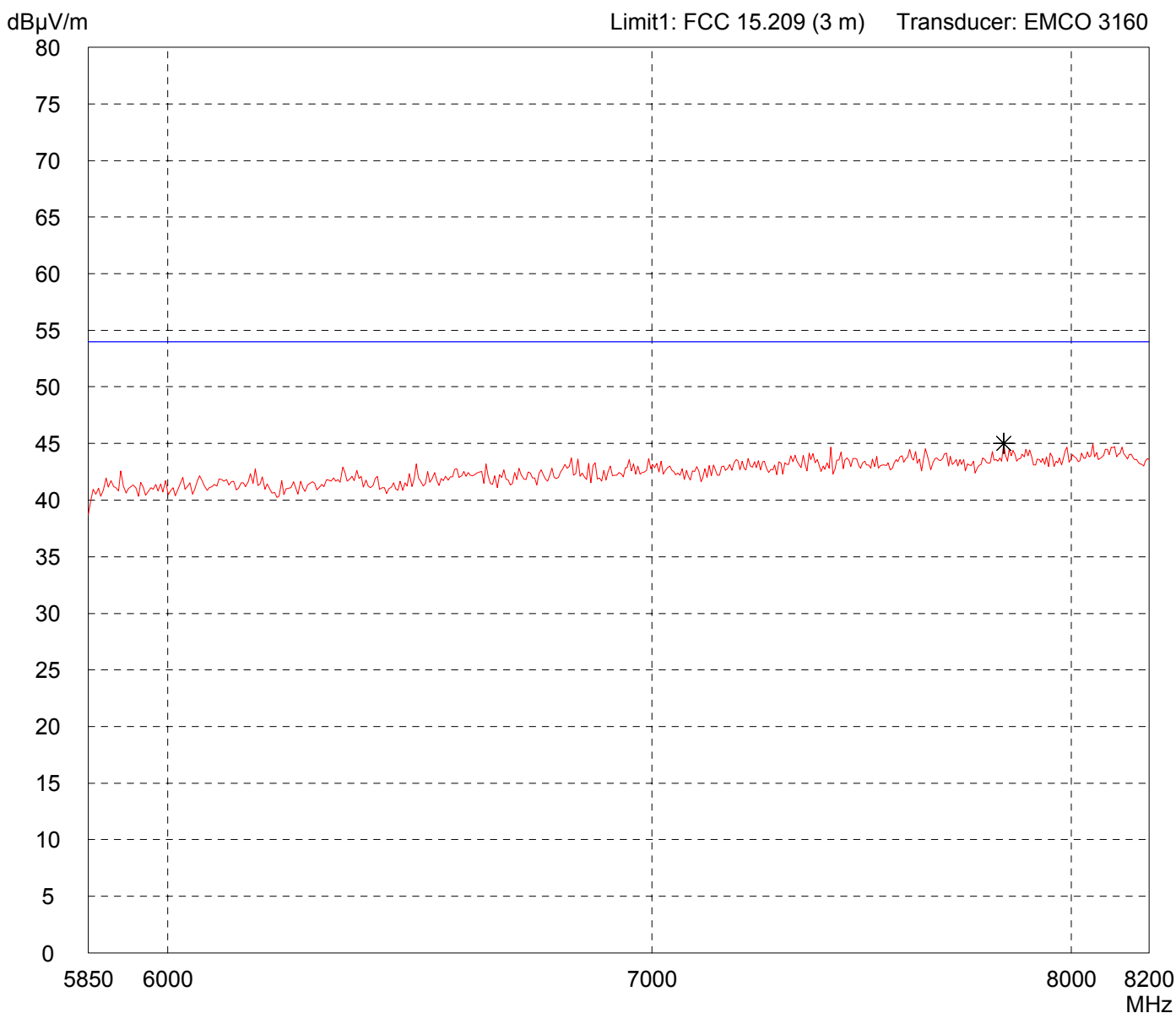
Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Antenna port: 2 - Frequency: 915.25 MHz - With antenna ID ISC.ANT.U170/170-FCC
--

Detector: Peak

List of values: Selected by hand



Result: Limit kept

Project file: 50784-00618-3	Page of Pages
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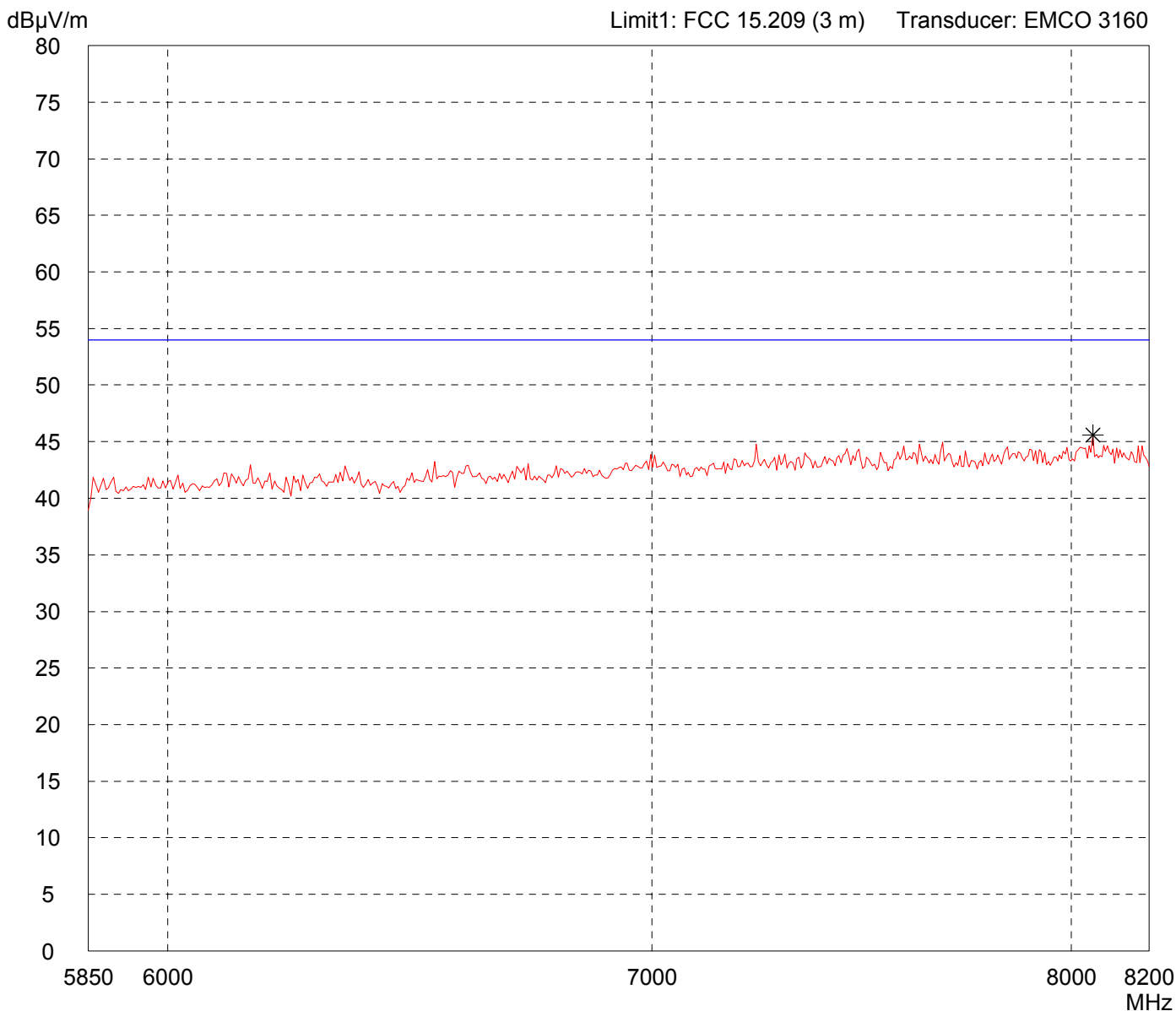
Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Antenna port: 2 - Frequency: 915.25 MHz - With antenna ID ISC.ANT.U170/170-FCC
--

Detector: Peak

List of values: Selected by hand



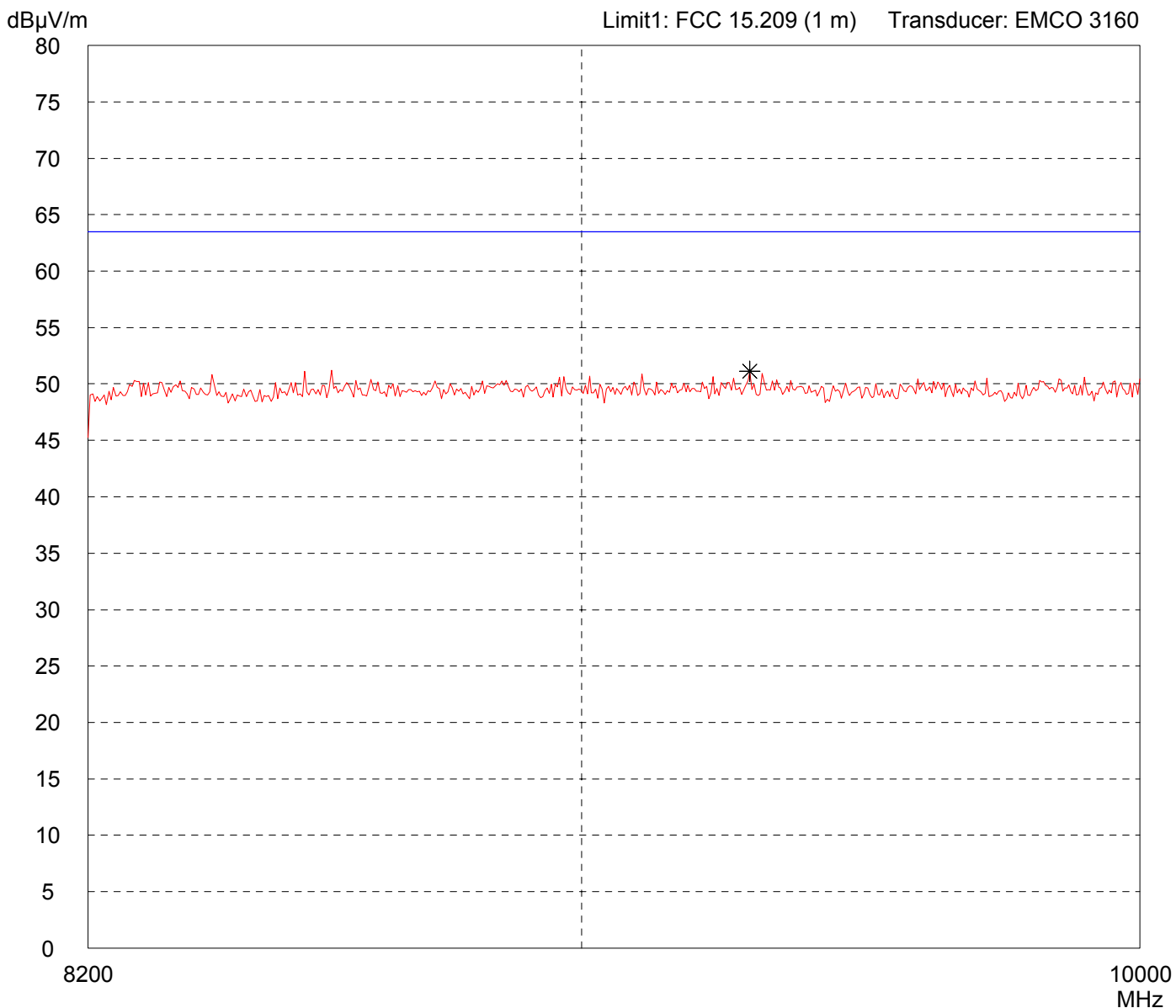
Result: Prescan

Project file: 50784-00618-3	Page of Pages
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISCMU0202-FCC</p> <p>Serial no.:</p> <p>Applicant: FEIG ELECTRONIC GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Horizontal Polarization</p> <p>Date of test: 08/12/2009 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Antenna port: 2 - Frequency: 915.25 MHz - With antenna ID ISC.ANT.U170/170-FCC
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<p>Detector: Peak</p>	<p>List of values: Selected by hand</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-00618-3</p> <p style="text-align: right;">Page of Pages</p>
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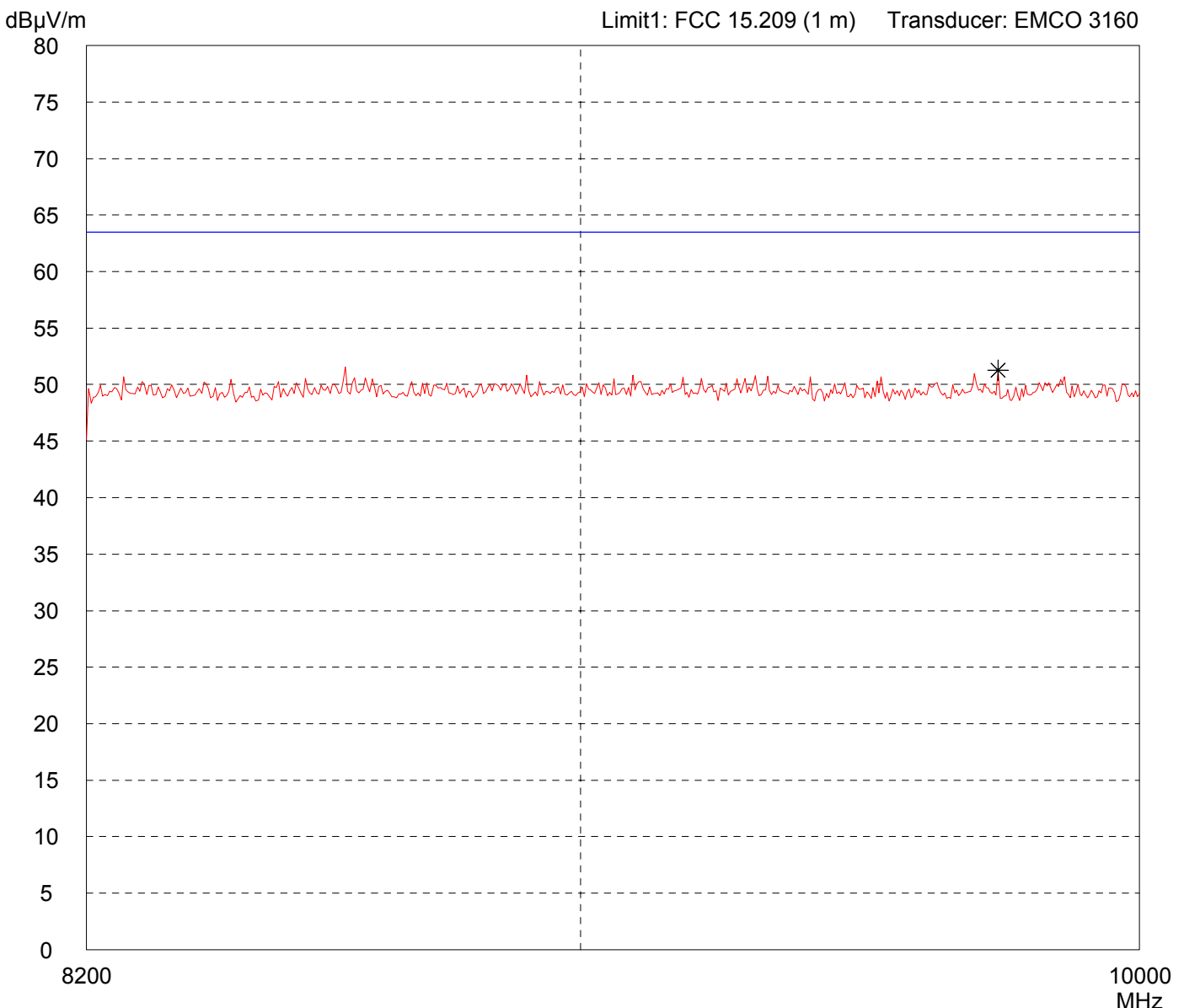
Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Antenna port: 2 - Frequency: 915.25 MHz - With antenna ID ISC.ANT.U170/170-FCC
--

Detector: Peak

List of values: Selected by hand



Result: Limit kept

Project file: 50784-00618-3	Page of Pages
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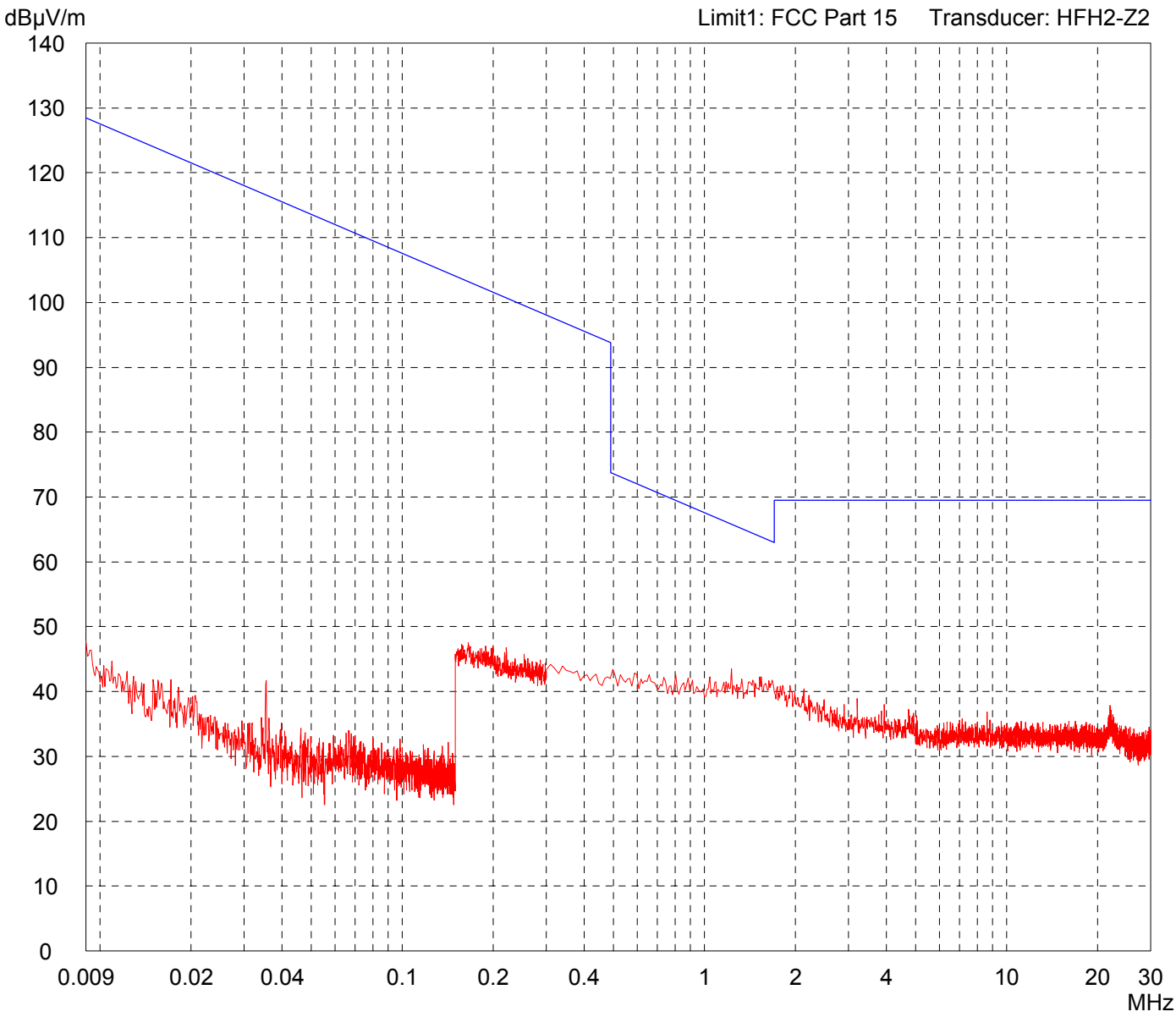
Radiated Emission Test 9 kHz - 30 MHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: by hand	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Antenna port: 2	
- Frequency: 927.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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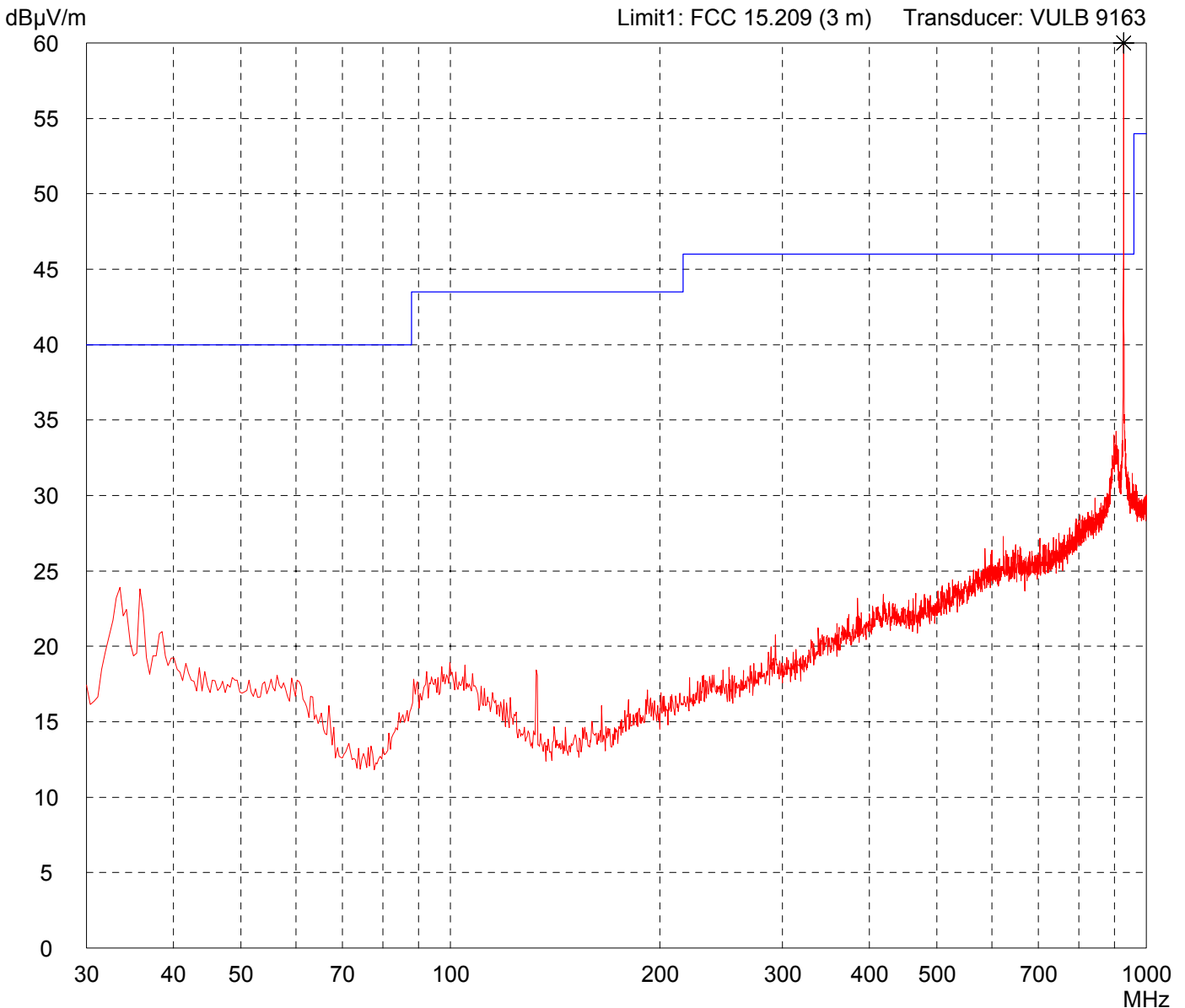
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Antenna port: 2	
- Frequency: 927.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	
10 dB Margin	50 Subranges



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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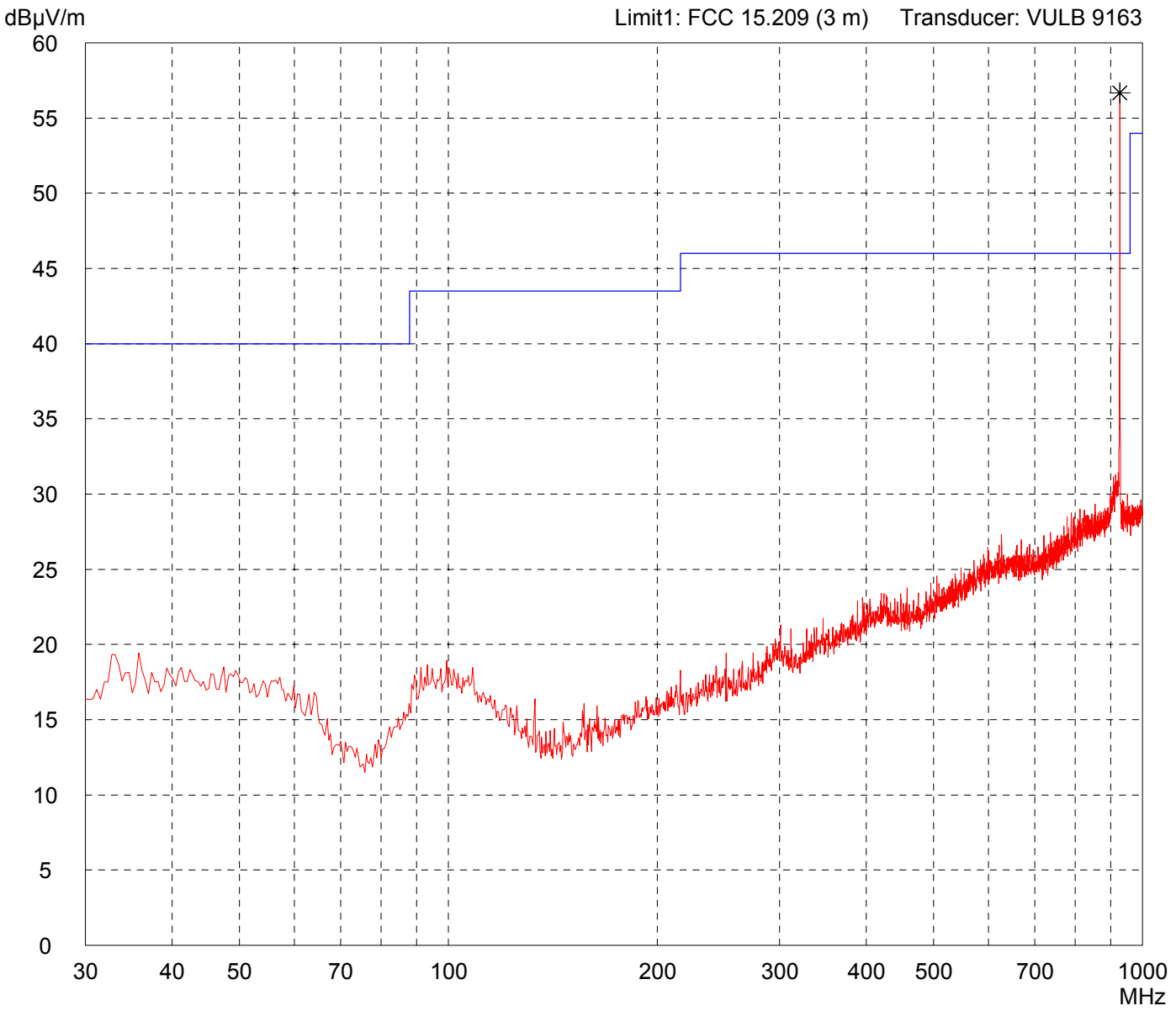
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Antenna port: 2	
- Frequency: 927.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	
10 dB Margin	50 Subranges



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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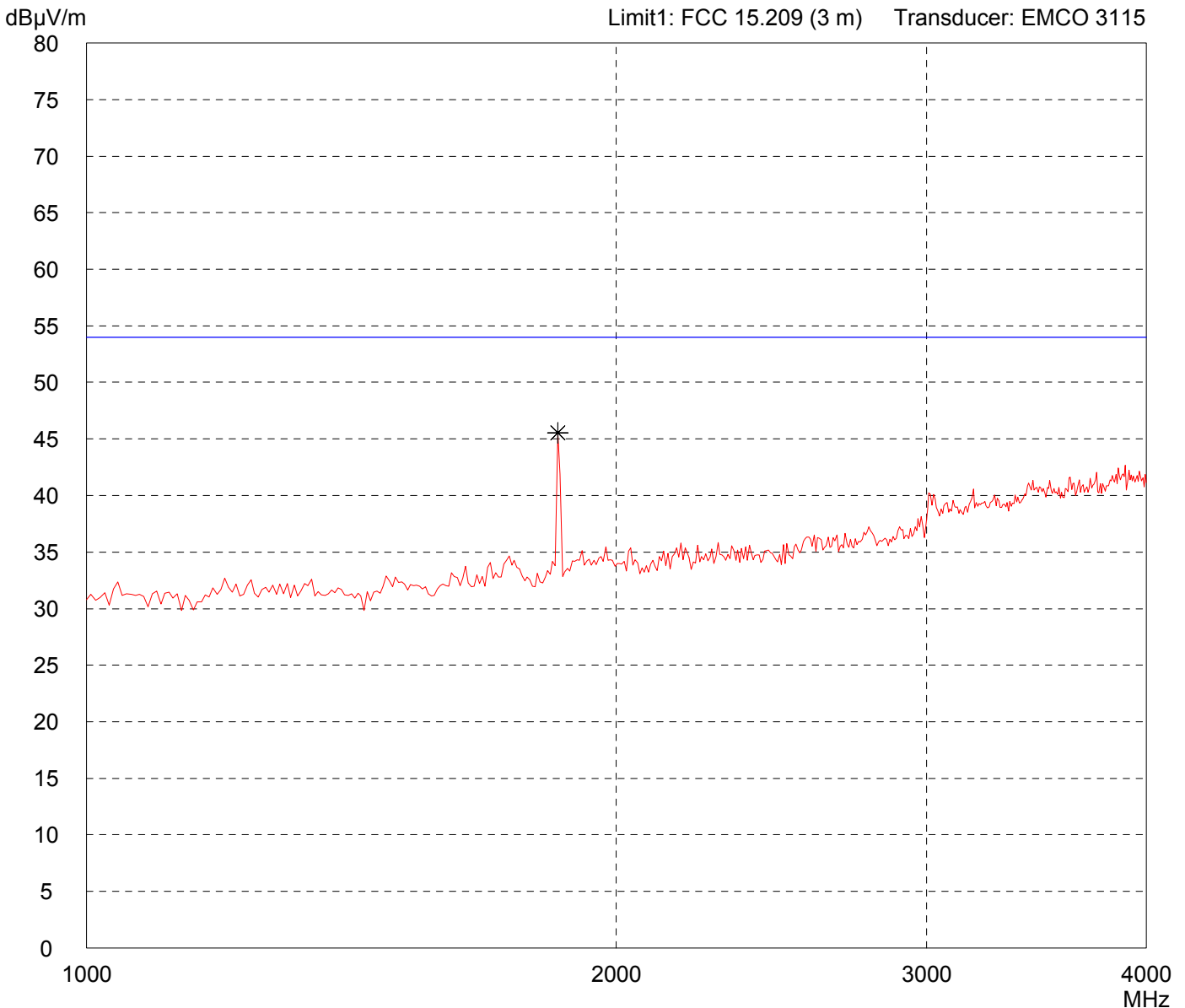
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Antenna port: 2	
- Frequency: 927.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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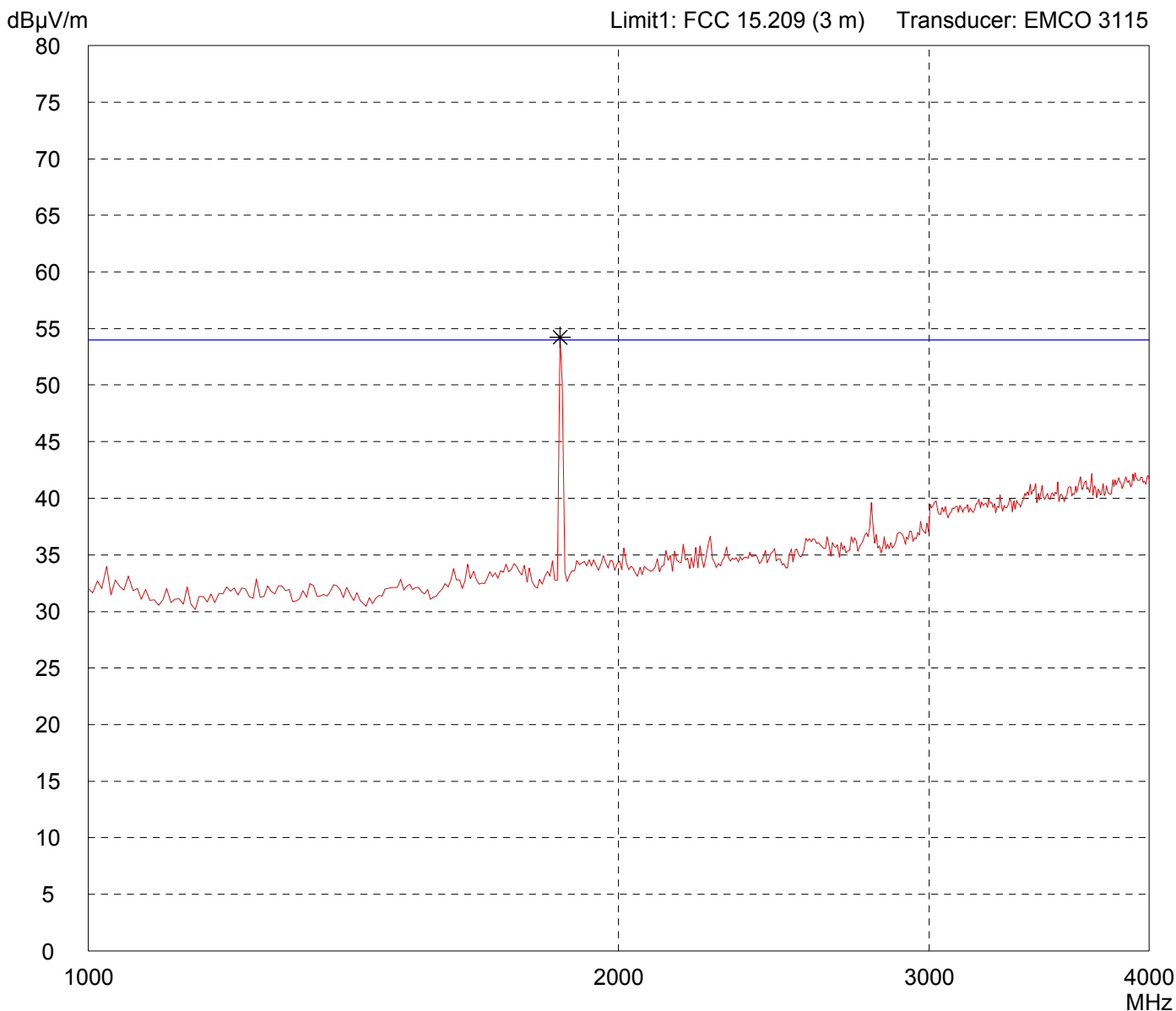
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Antenna port: 2	
- Frequency: 927.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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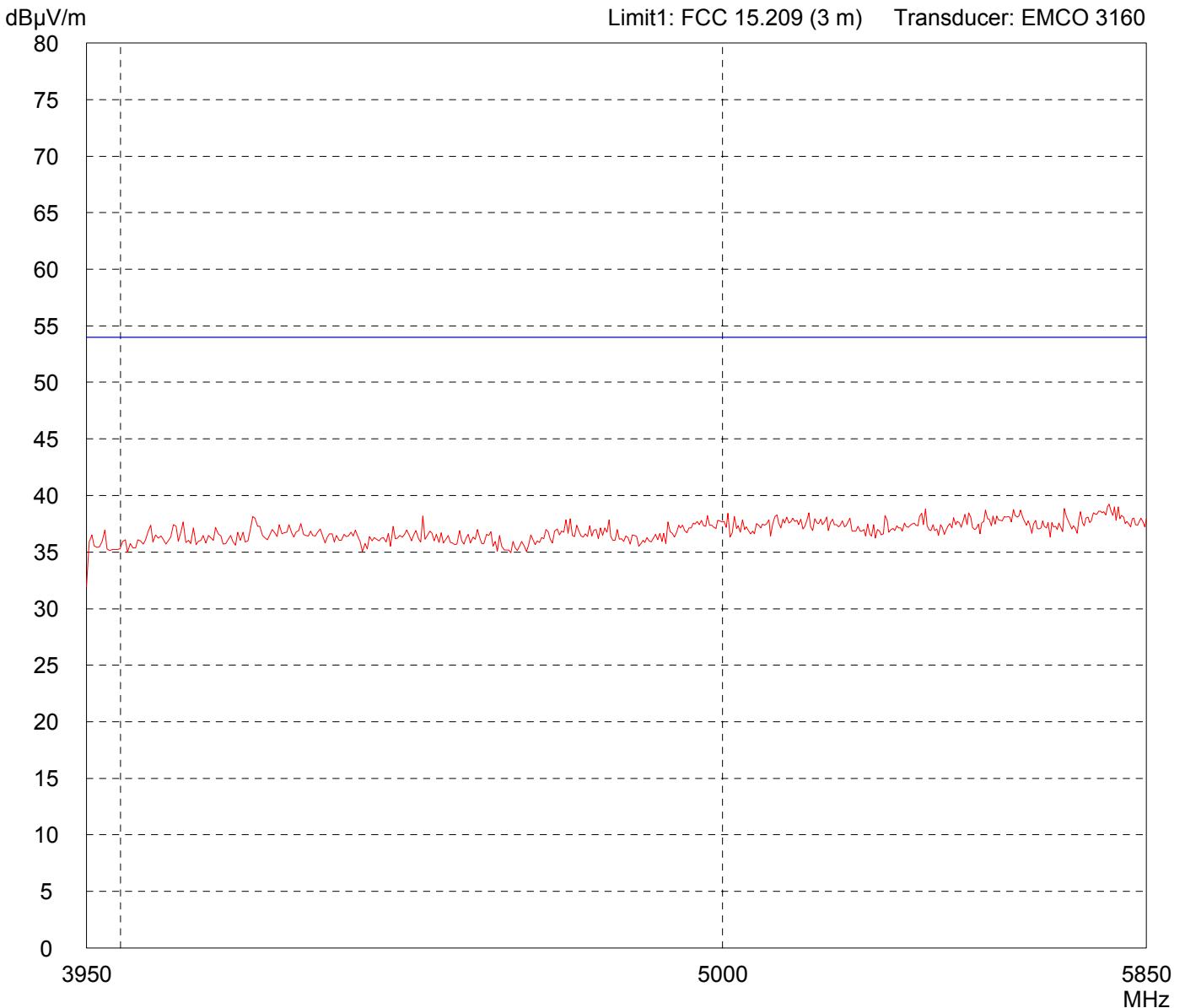
Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Antenna port: 2	
- Frequency: 927.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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**Radiated Emission Test 3.95 GHz - 5.85 GHz
acc. to FCC Part 15 Subpart C (FAR)**

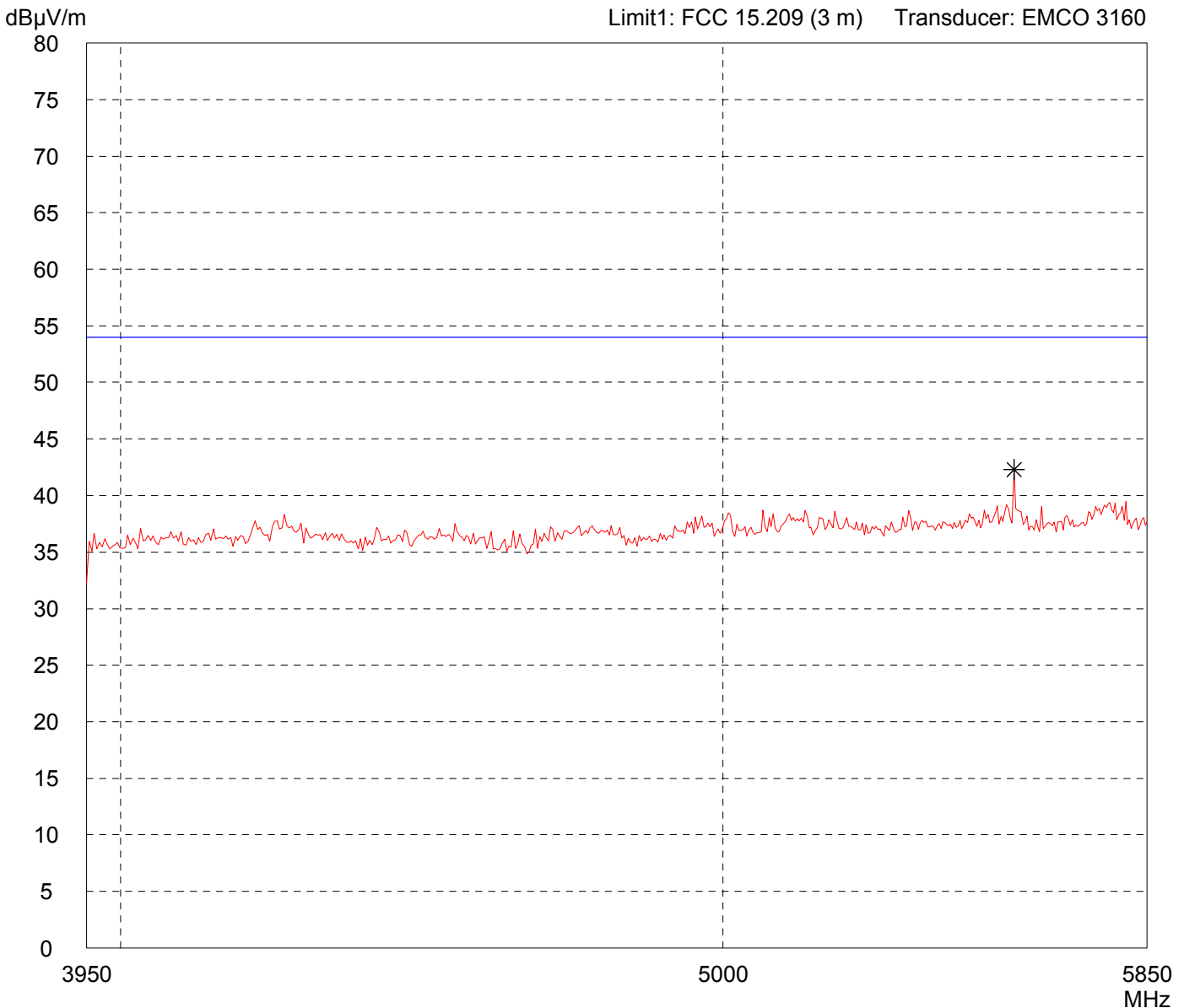
Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:
- 5 V external power supply

- Transmitting continuously with modulation
- Antenna port: 2
- Frequency: 927.25 MHz
- With antenna ID ISC.ANT.U170/170-FCC

Detector: Peak

List of values:
Selected by hand



Result: Prescan

Project file:
50784-00618-3 Page of Pages

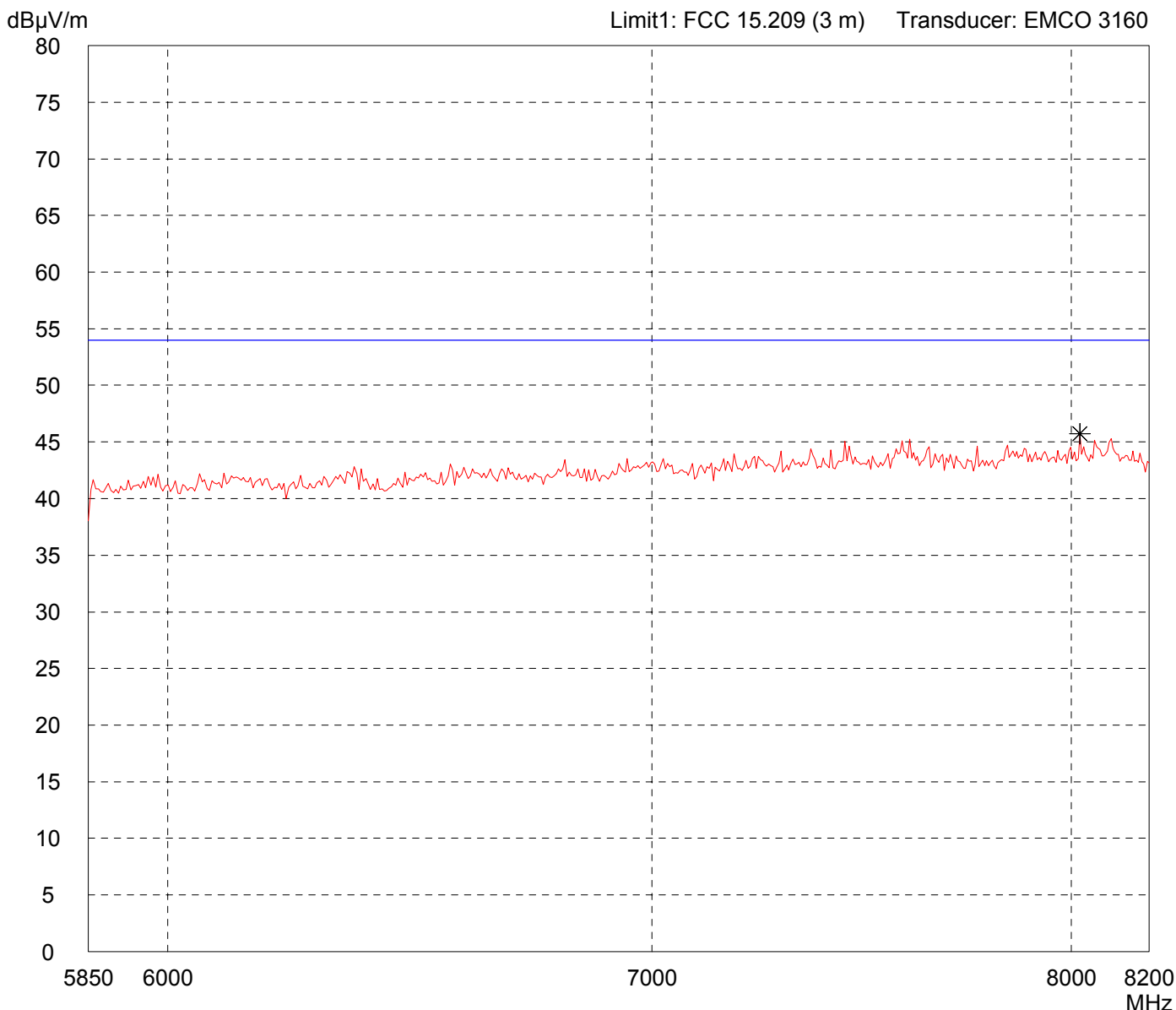
Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Antenna port: 2 - Frequency: 927.25 MHz - With antenna ID ISC.ANT.U170/170-FCC
--

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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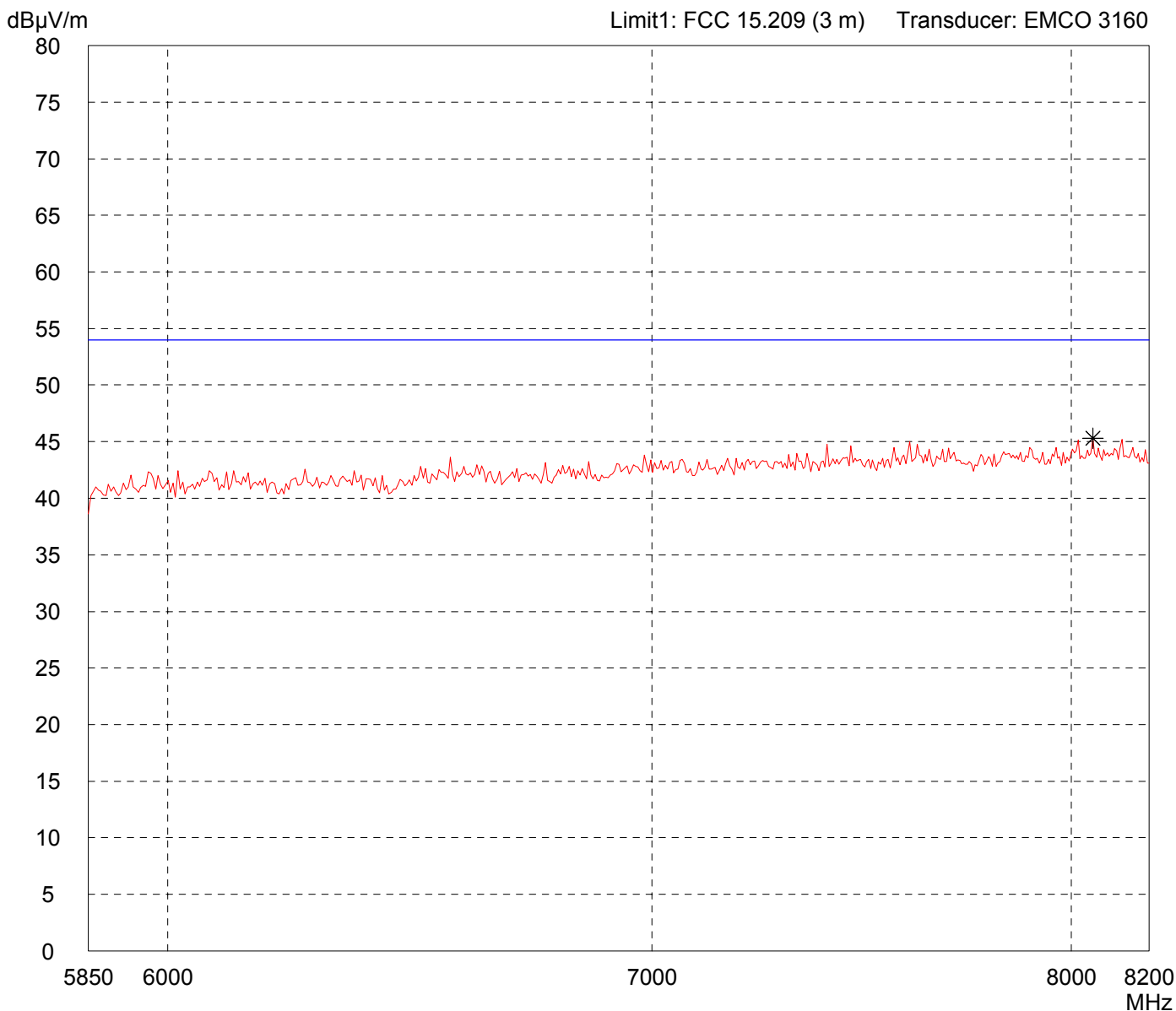
Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Antenna port: 2 - Frequency: 927.25 MHz - With antenna ID ISC.ANT.U170/170-FCC
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Detector: Peak

List of values: Selected by hand



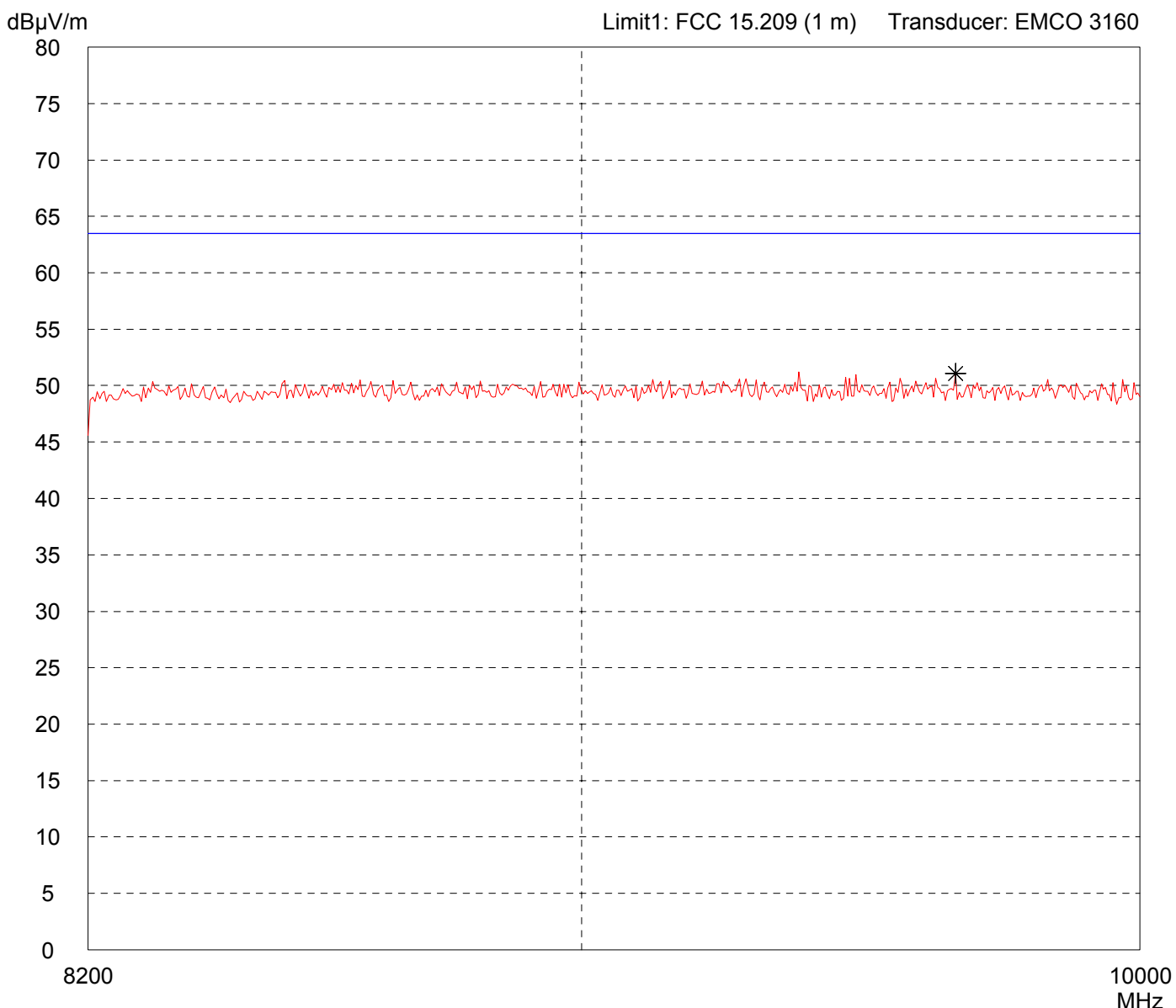
Result: Prescan

Project file: 50784-00618-3	Page of Pages
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISCMU0202-FCC</p> <p>Serial no.:</p> <p>Applicant: FEIG ELECTRONIC GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Horizontal Polarization</p> <p>Date of test: 08/12/2009 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Antenna port: 2 - Frequency: 927.25 MHz - With antenna ID ISC.ANT.U170/170-FCC
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<p>Detector: Peak</p>	<p>List of values: Selected by hand</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-00618-3</p> <p style="text-align: right;">Page of Pages</p>
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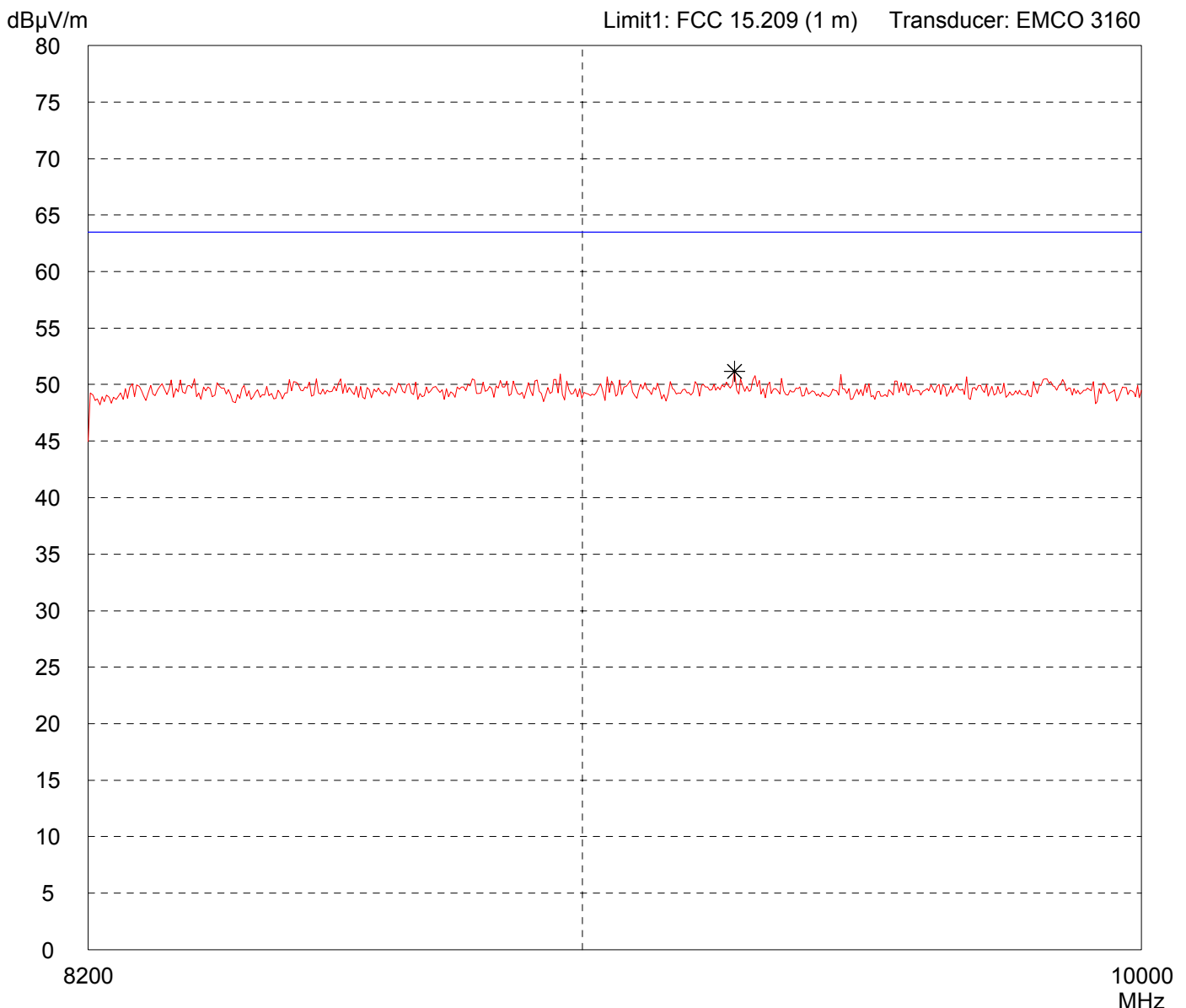
Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 08/12/2009	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Antenna port: 2 - Frequency: 927.25 MHz - With antenna ID ISC.ANT.U170/170-FCC
--

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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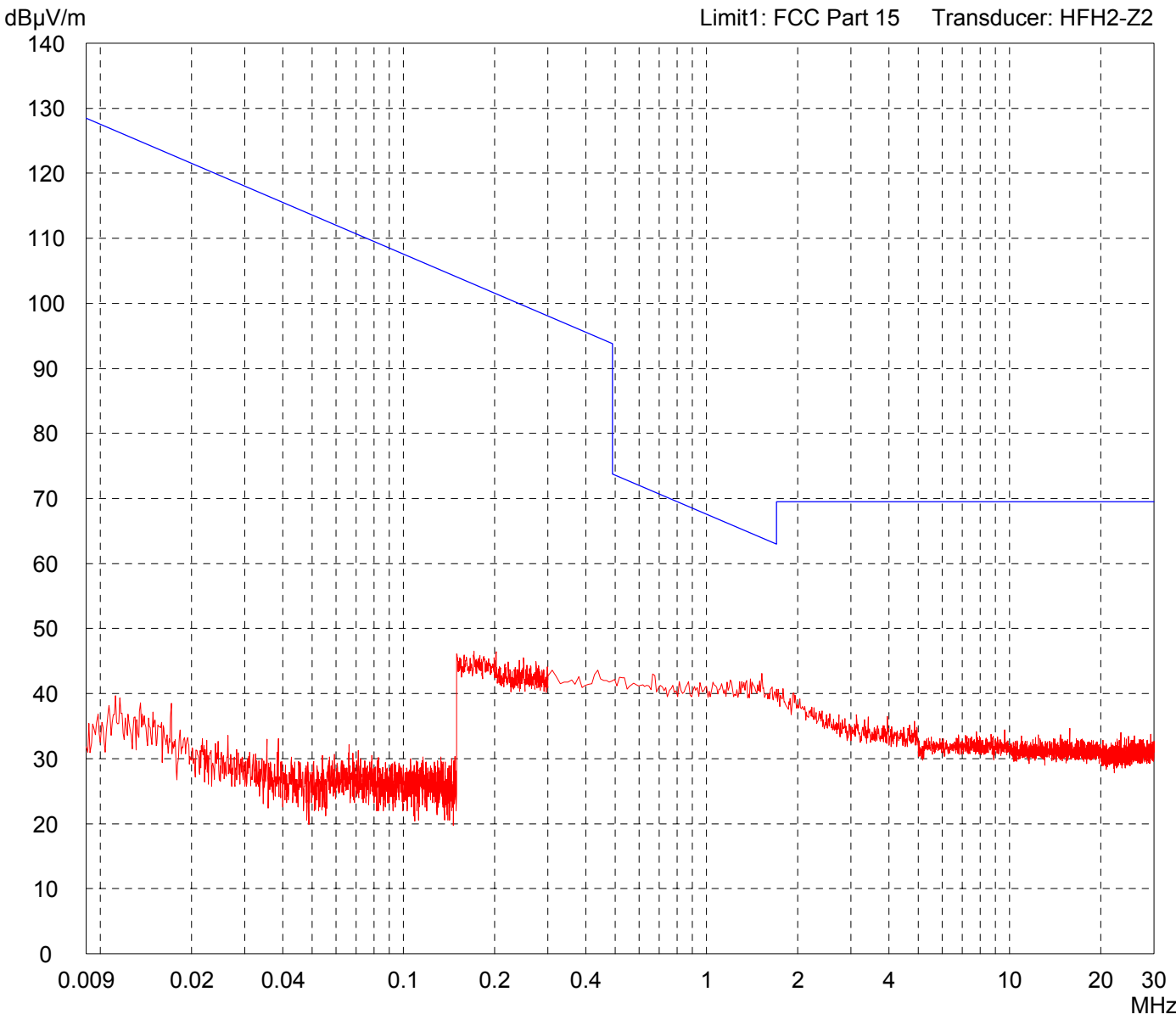
Radiated Emission Test 9 kHz - 30 MHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: by hand	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 902.75 MHz	
- With antenna ID.ISC.ANT.U100/75-FCC	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-01257	Page of Pages
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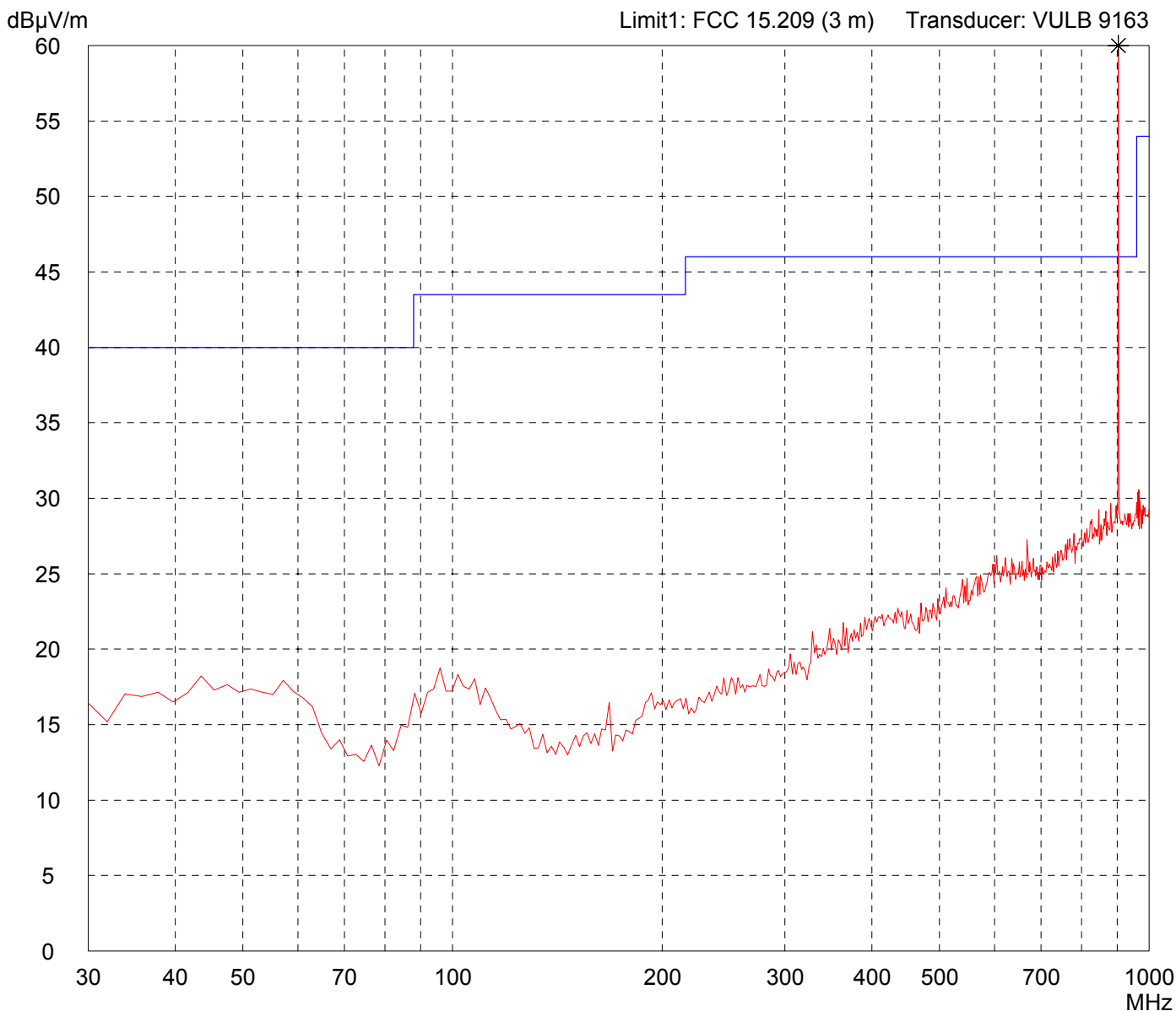
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 902.75 MHz	
- With antenna ID.ISC.ANT.U100/75-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	
10 dB Margin	50 Subranges



Result: Prescan

Project file: 50784-01257	Page of Pages
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Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

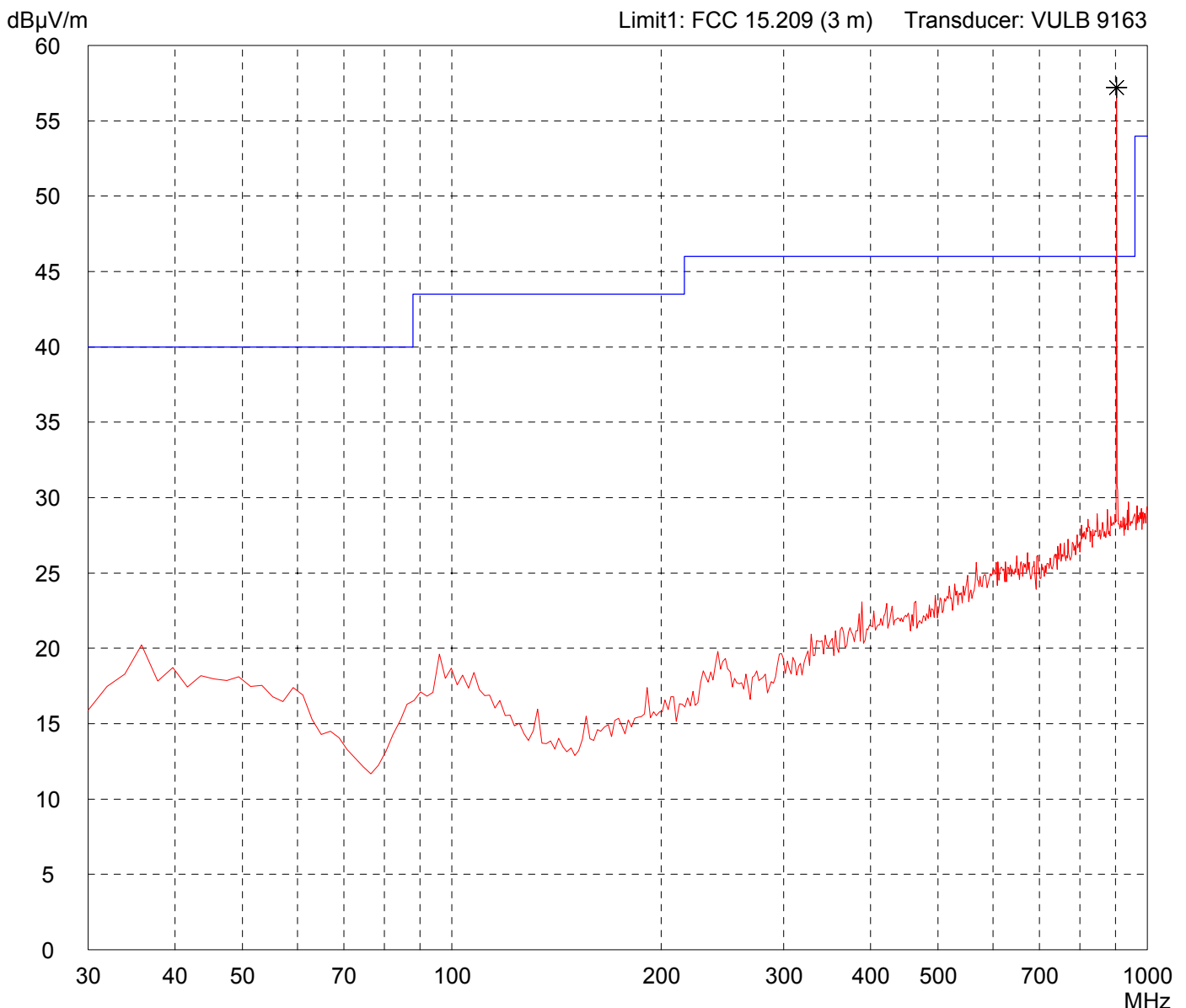
Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:

- 5 V external power supply
- Transmitting continuously with modulation
- Frequency: 902.75 MHz
- With antenna ID.ISC.ANT.U100/75-FCC
- With notch filter set to carrier frequency

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
50784-01257 Page of Pages

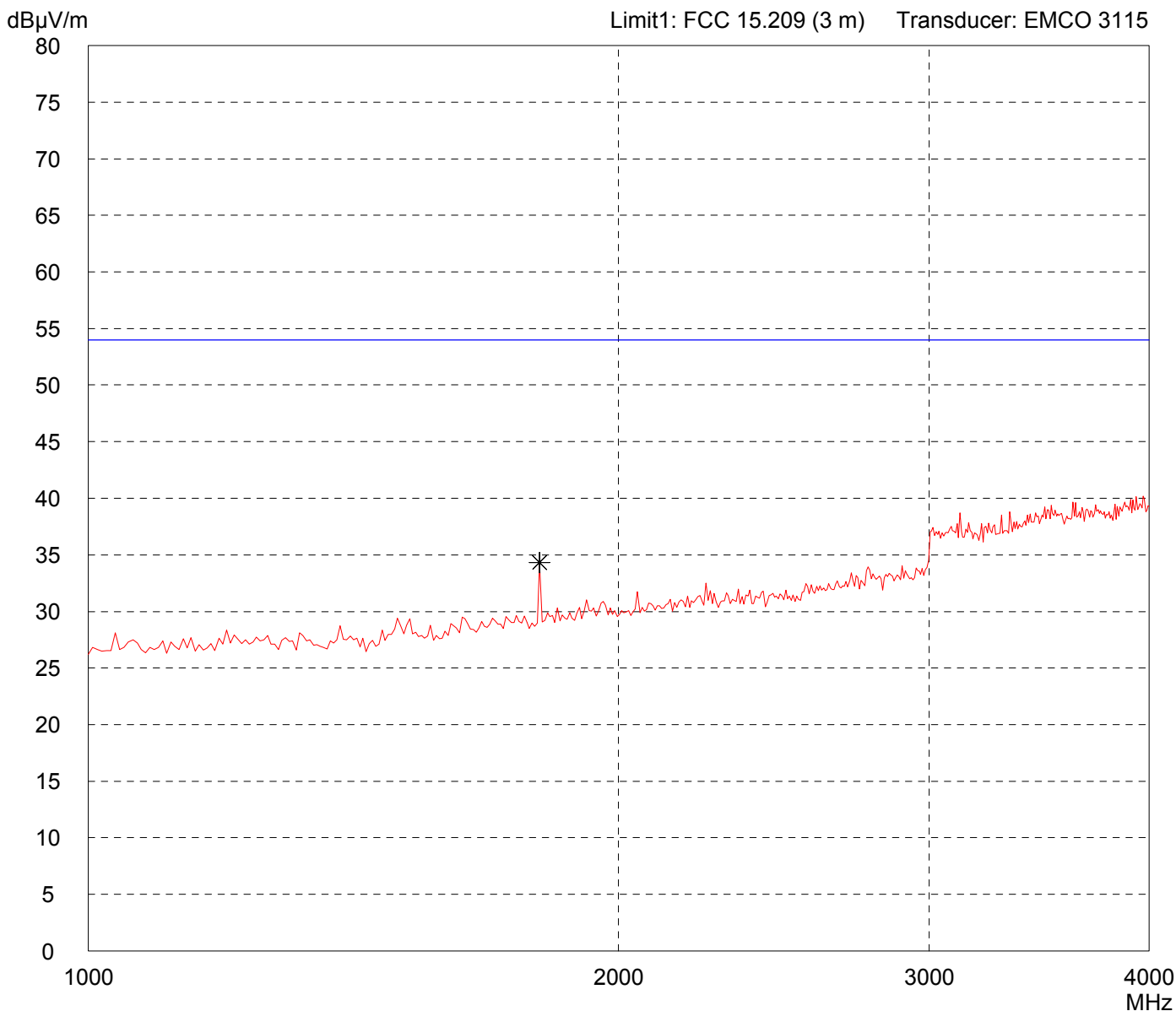
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/11/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-01257	Page of Pages
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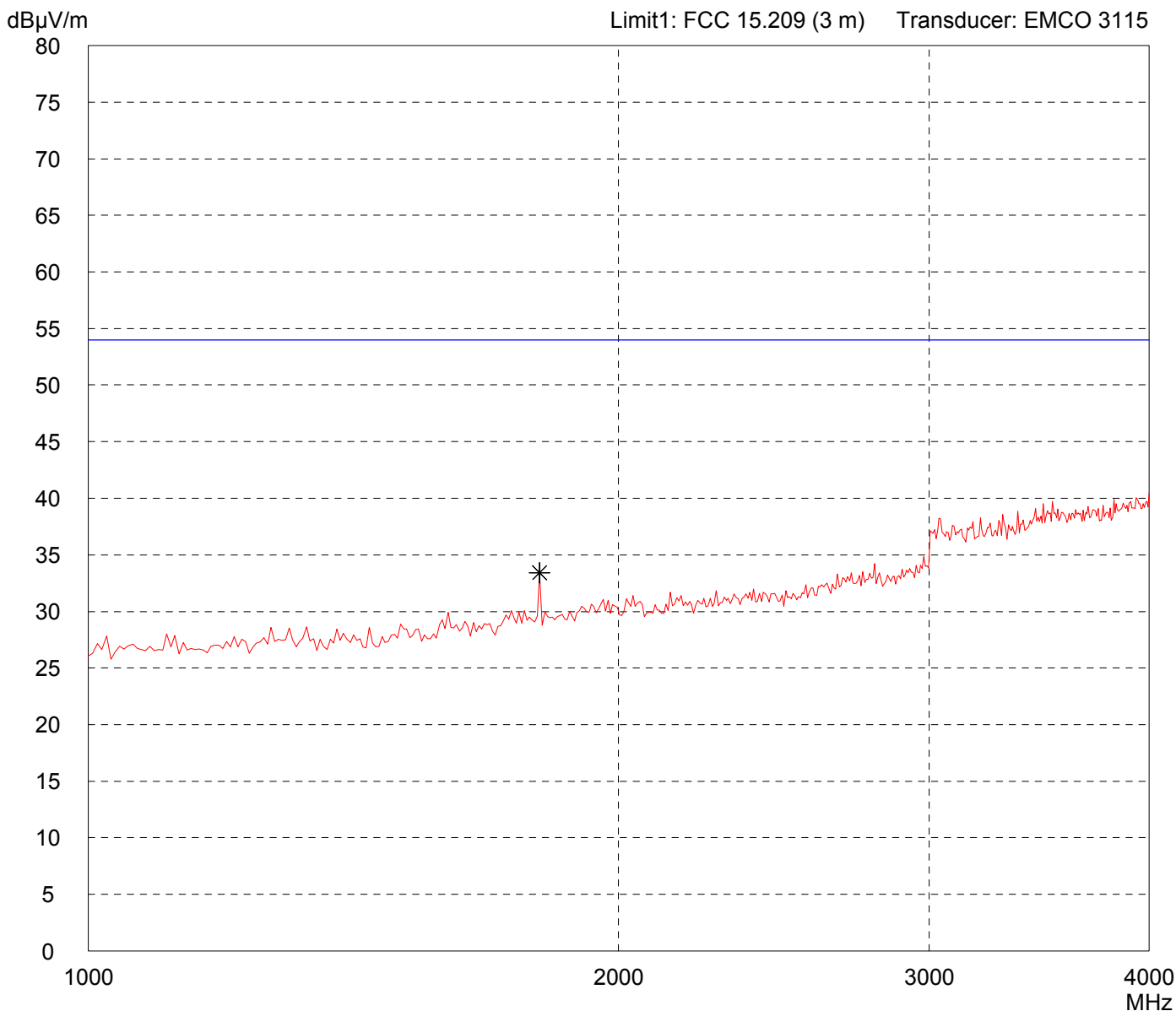
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/11/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter

Detector: Peak

List of values: Selected by hand



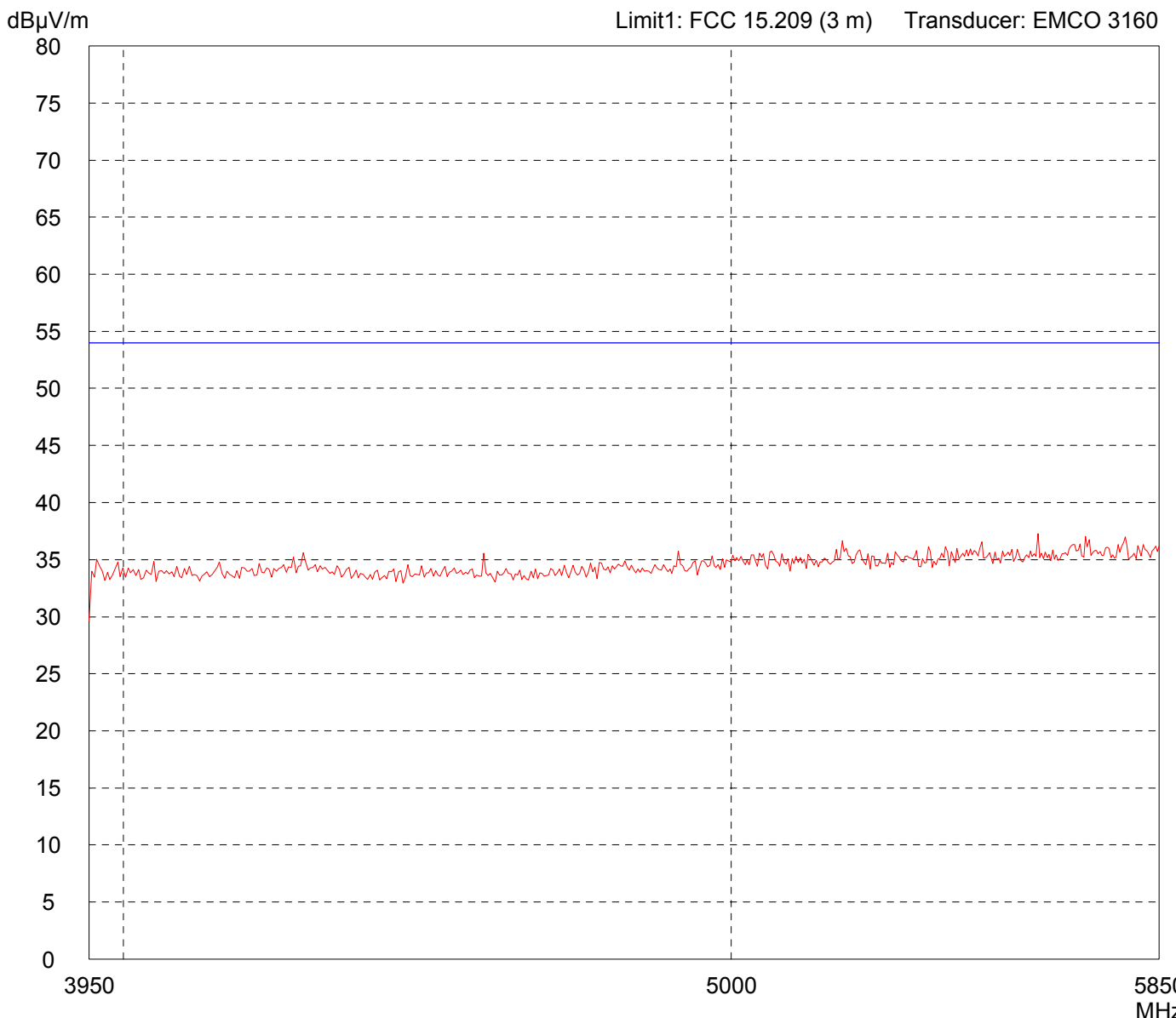
Result: Prescan

Project file: 50784-01257	Page of Pages
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Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Horizontal Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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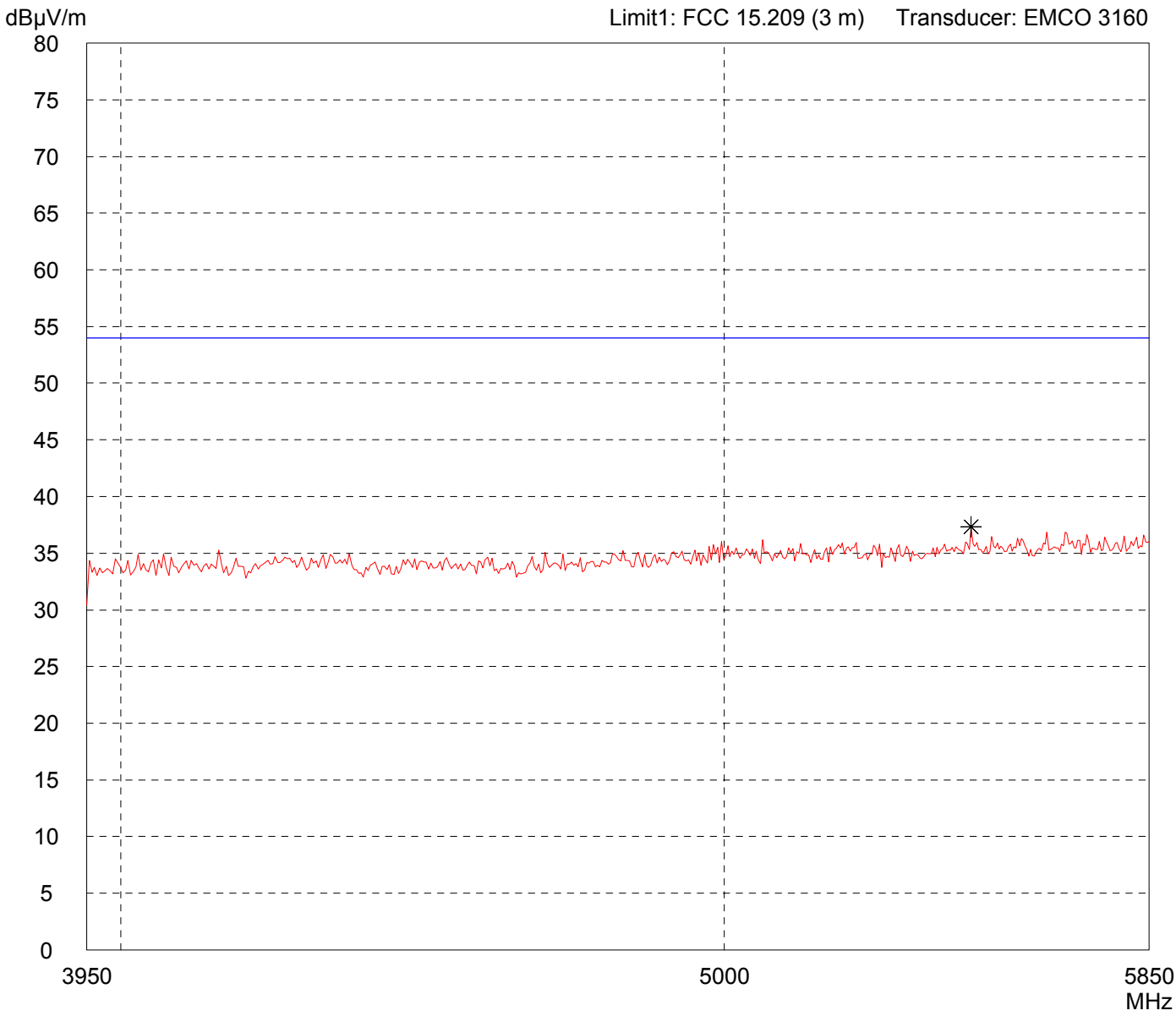
Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/11/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter

Detector: Peak

List of values: Selected by hand



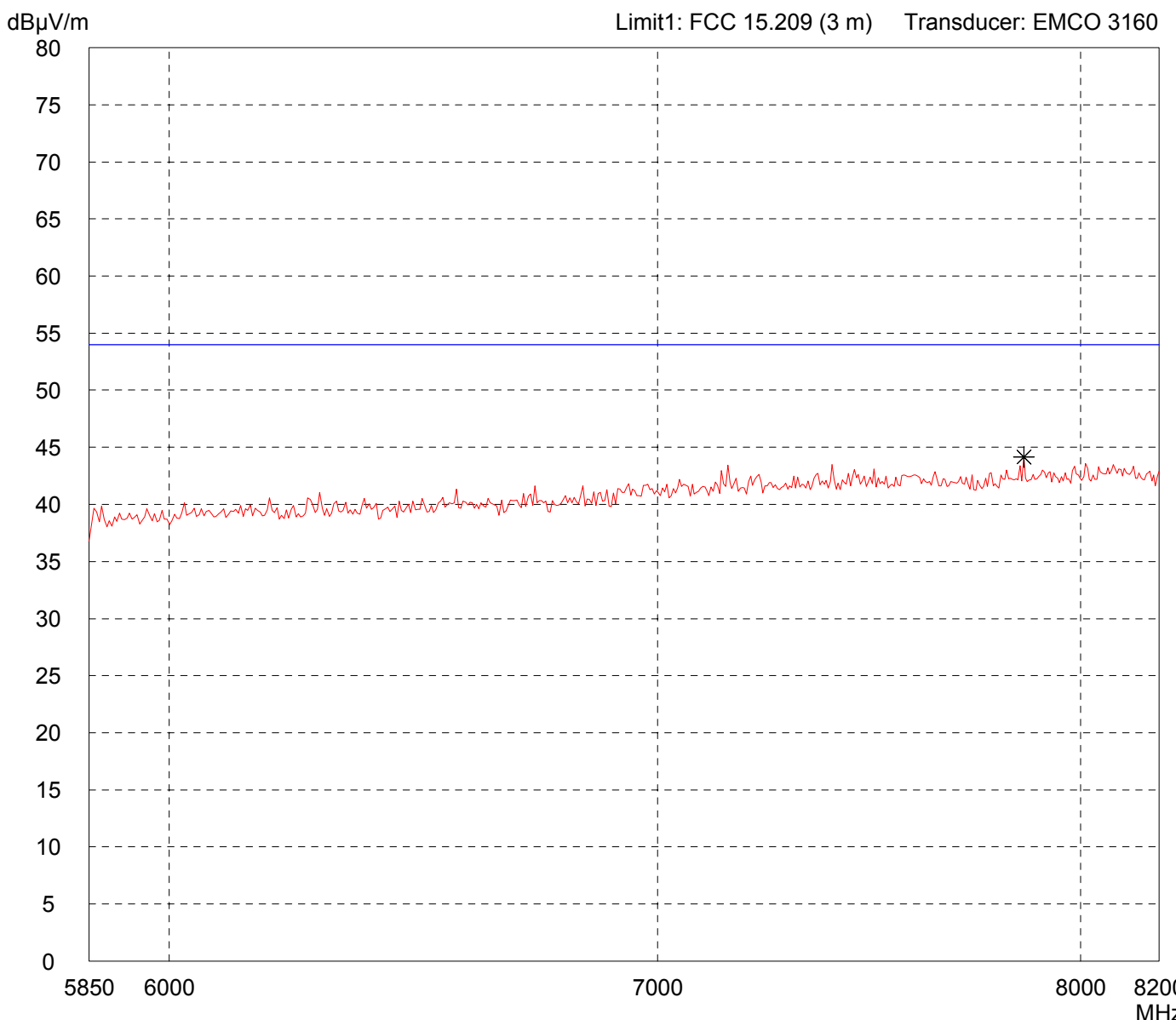
Result: Prescan

Project file: 50784-01257	Page of Pages
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Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Horizontal Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
---	---

<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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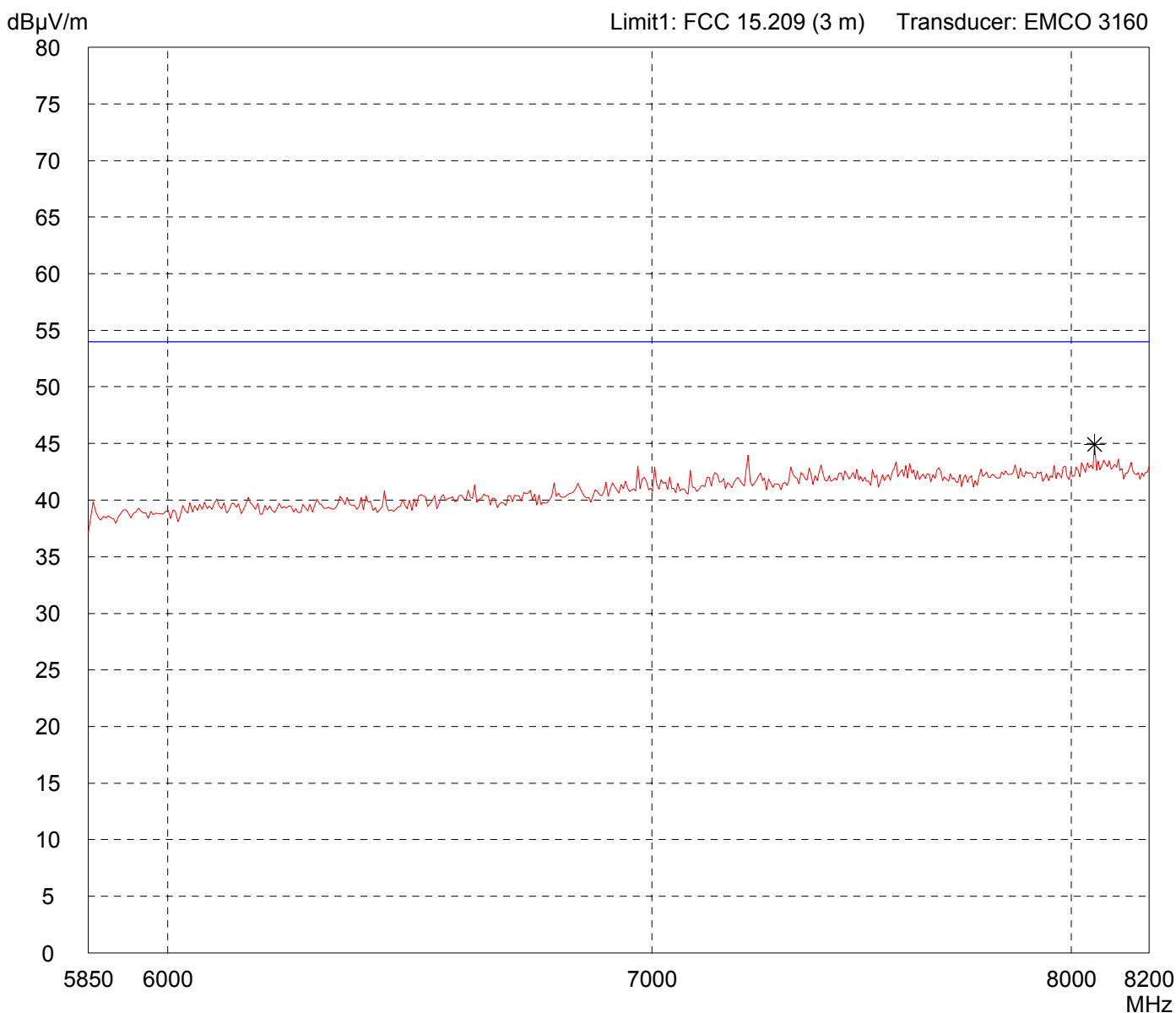


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Vertical Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
---	---

<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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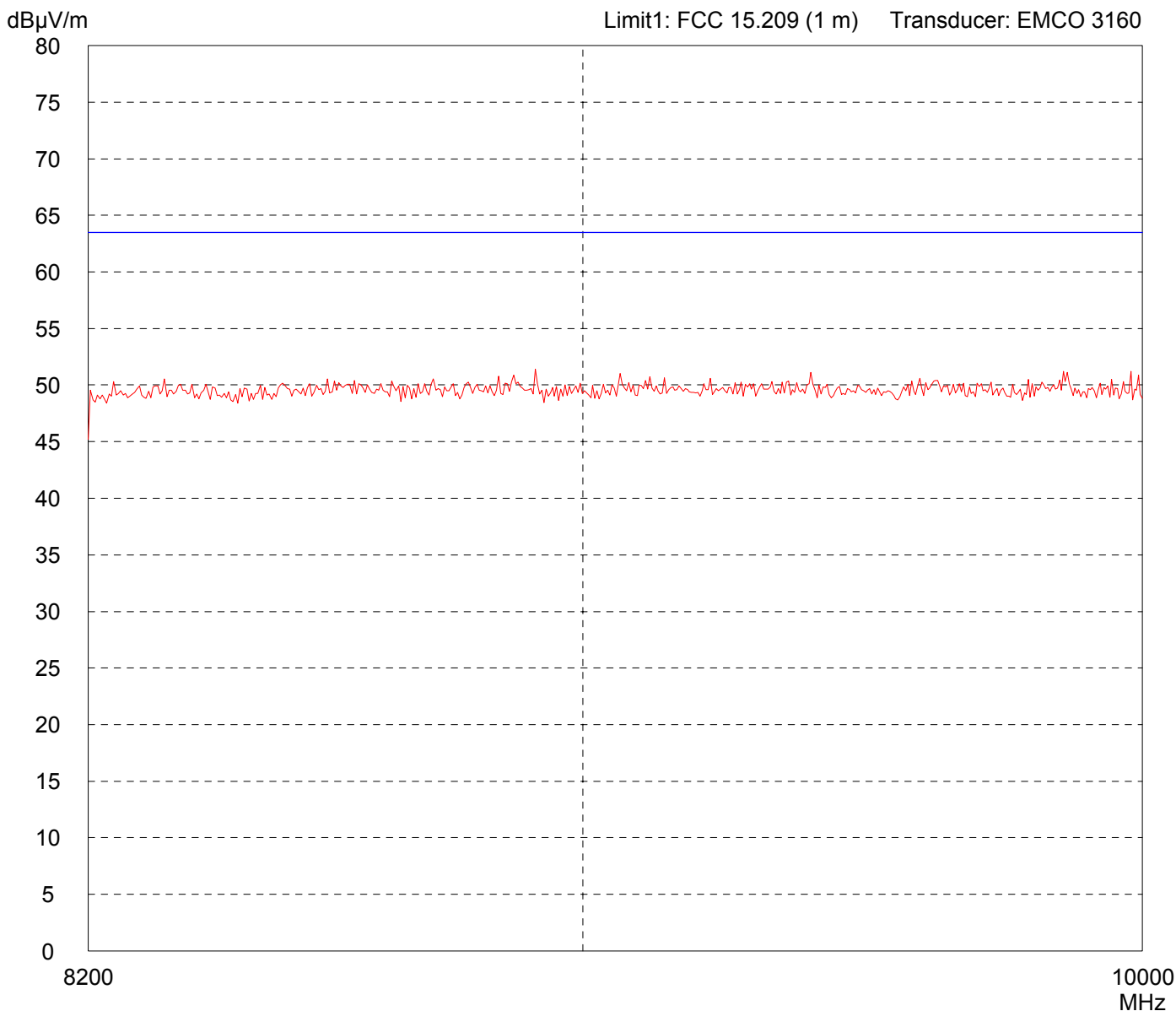


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Horizontal Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
--	---

<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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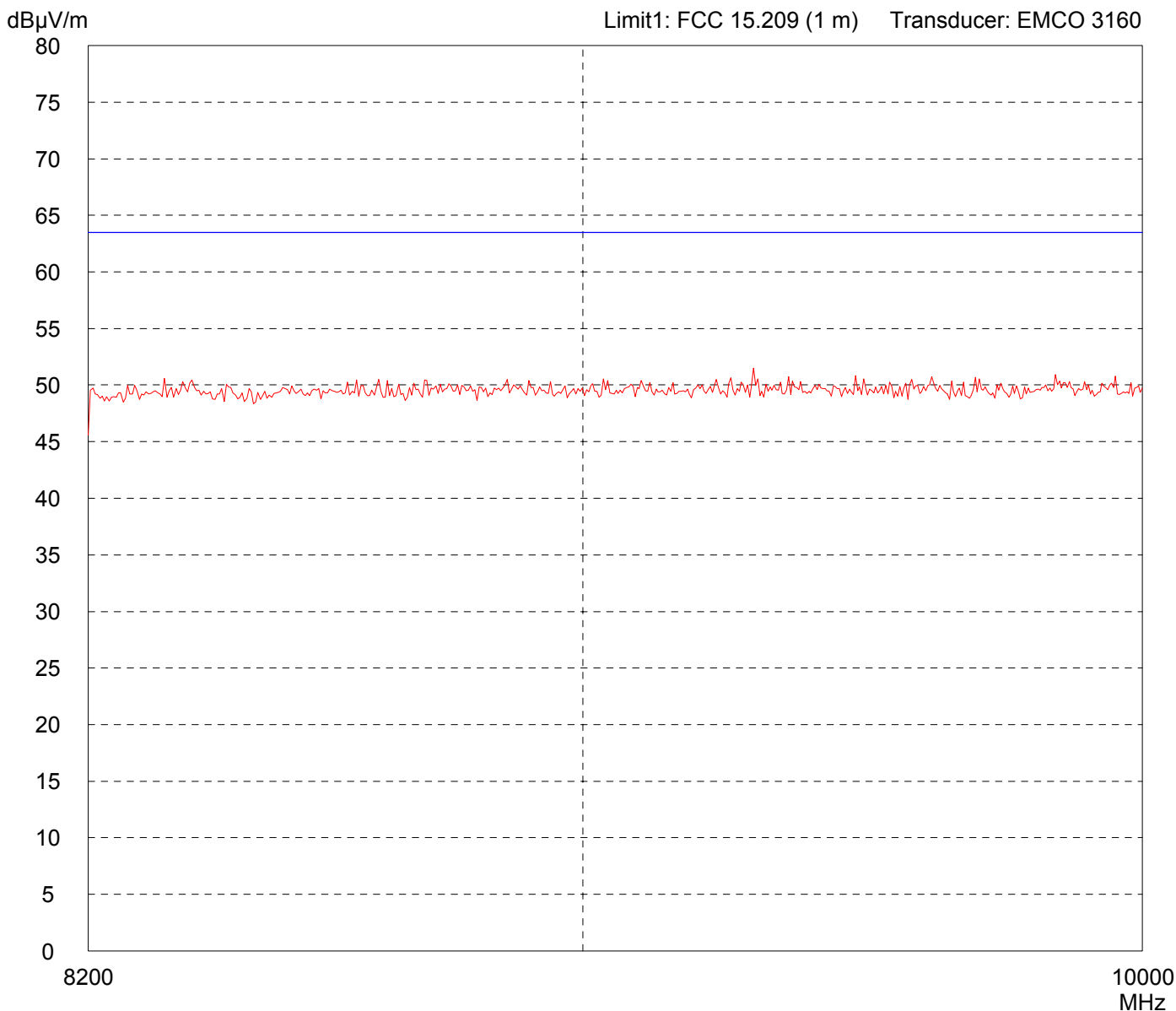


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Vertical Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
--	---

<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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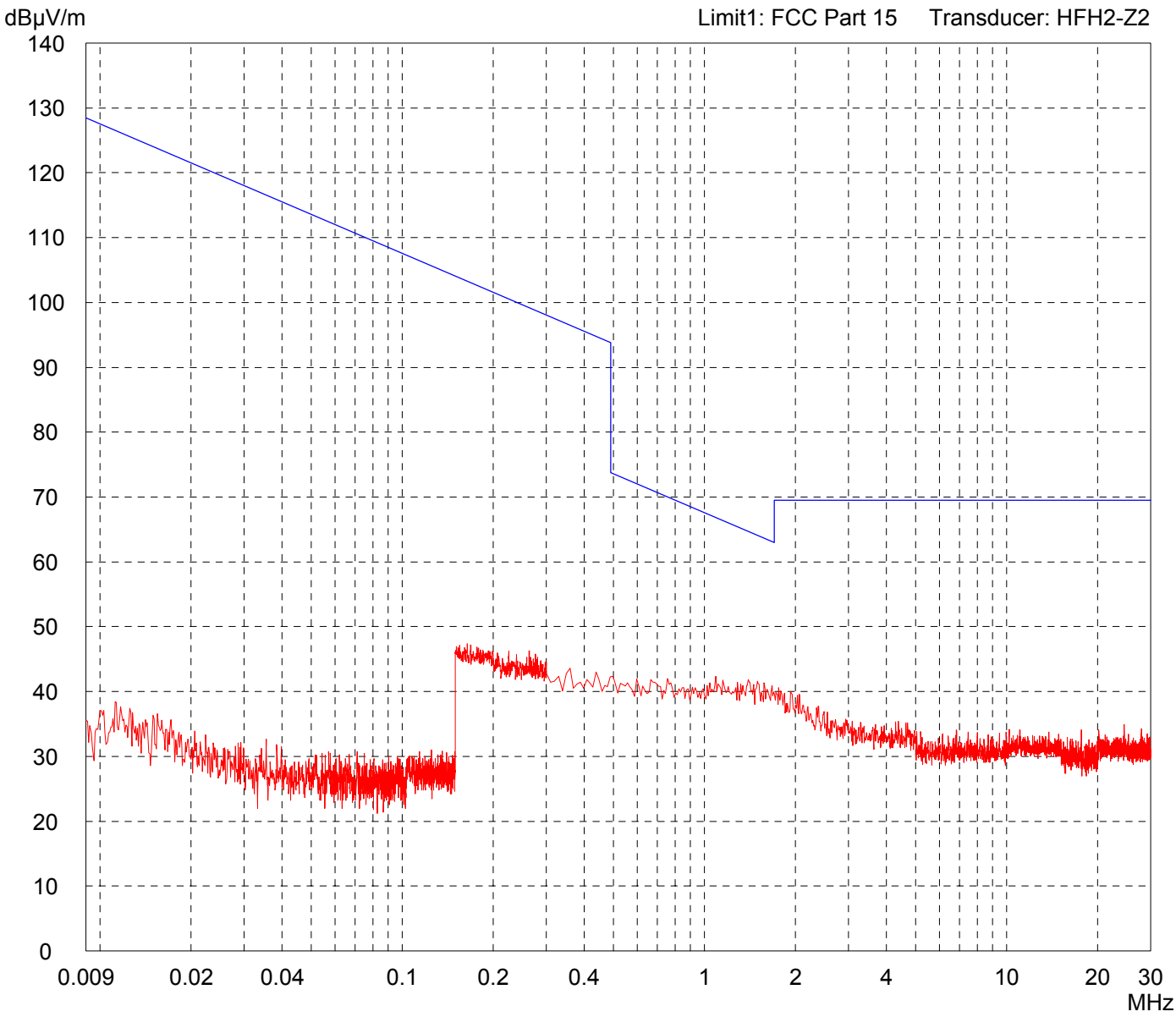
Radiated Emission Test 9 kHz - 30 MHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: by hand	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 915.25 MHz	
- With antenna ID.ISC.ANT.U100/75-FCC	
- With high pass filter	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-01257	Page of Pages
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Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

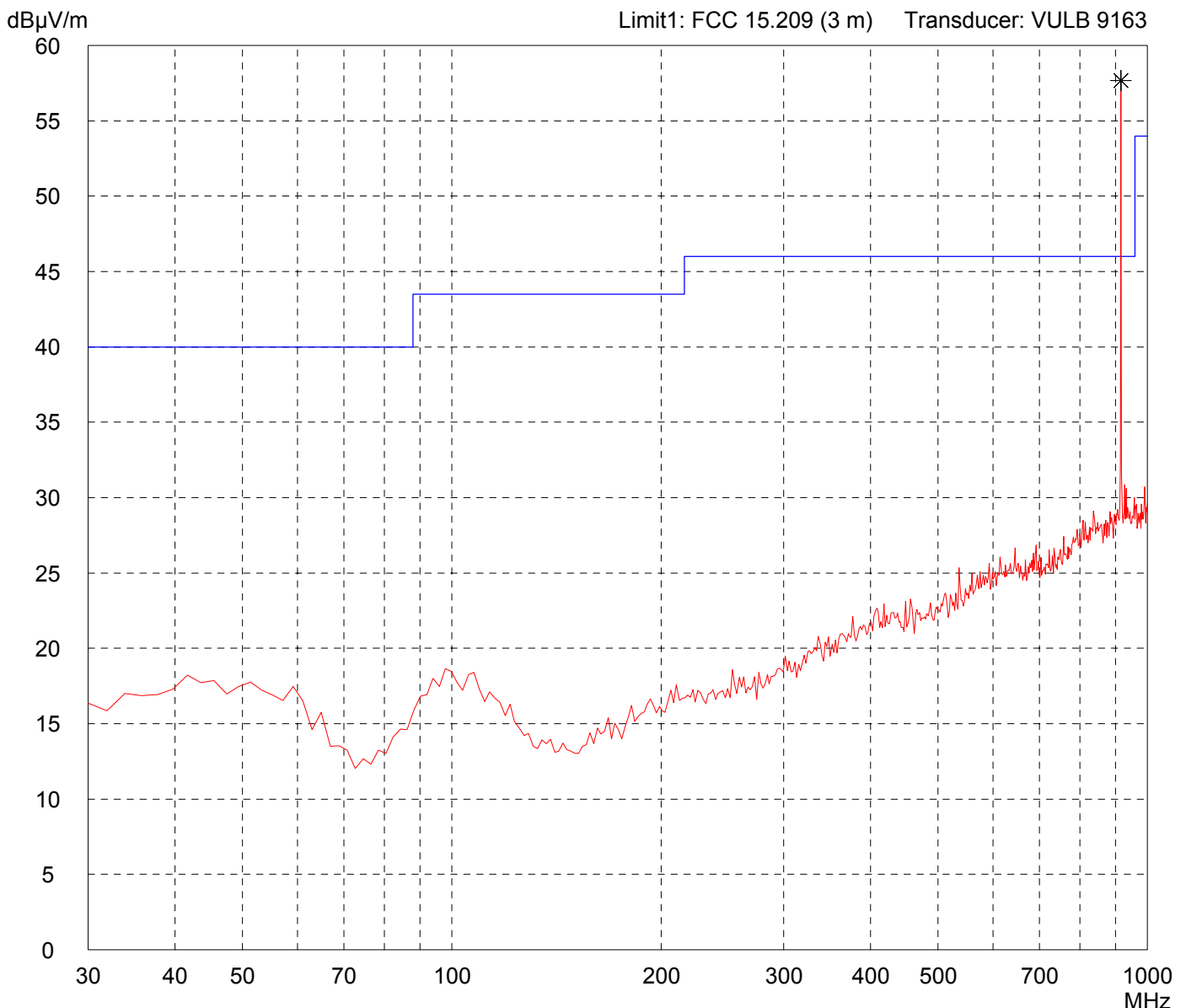
Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:

- 5 V external power supply
- Transmitting continuously with modulation
- Frequency: 915.25 MHz
- With antenna ID.ISC.ANT.U100/75-FCC
- With notch filter set to carrier frequency

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
50784-01257 Page of Pages

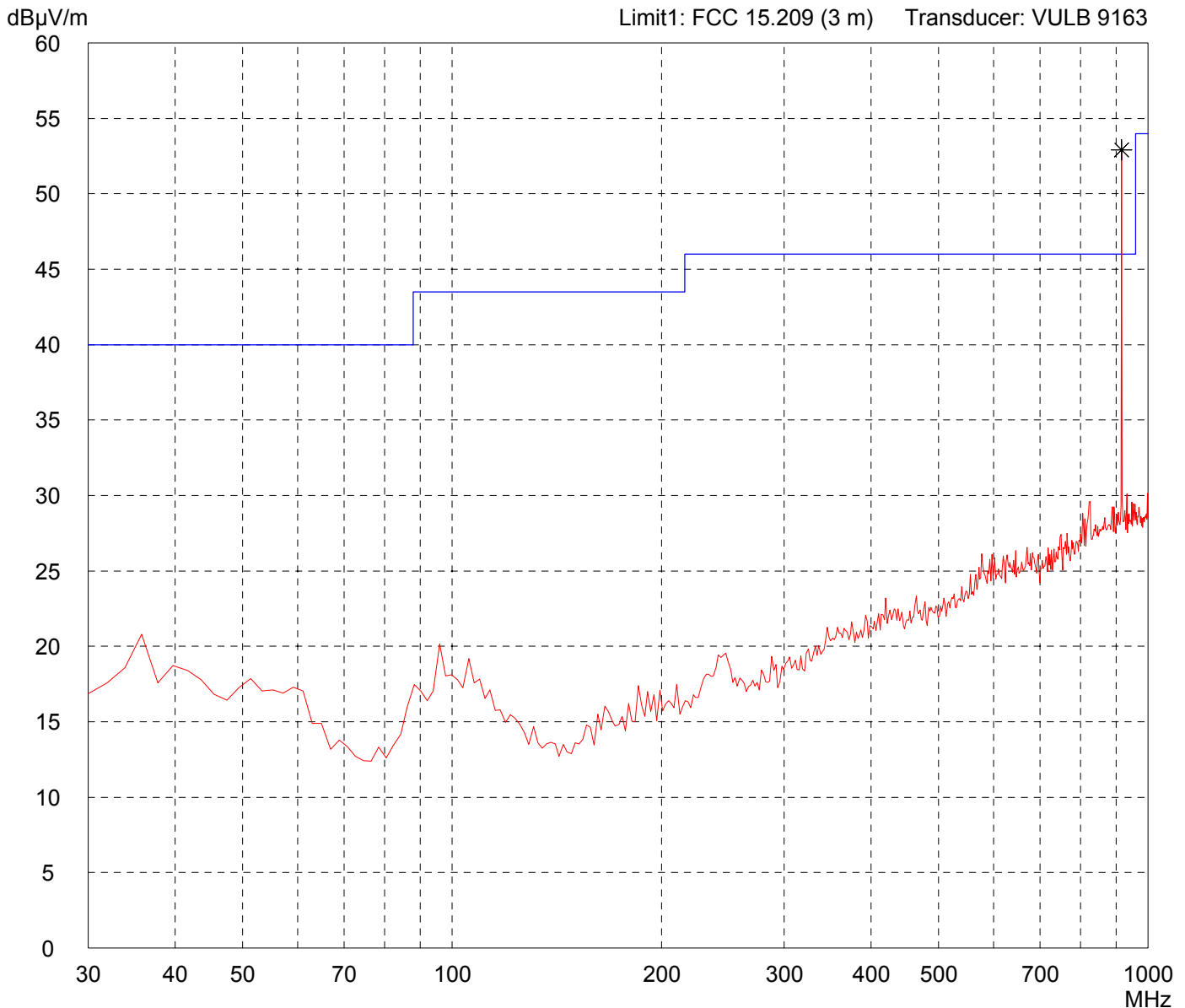
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 915.25 MHz	
- With antenna ID.ISC.ANT.U100/75-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



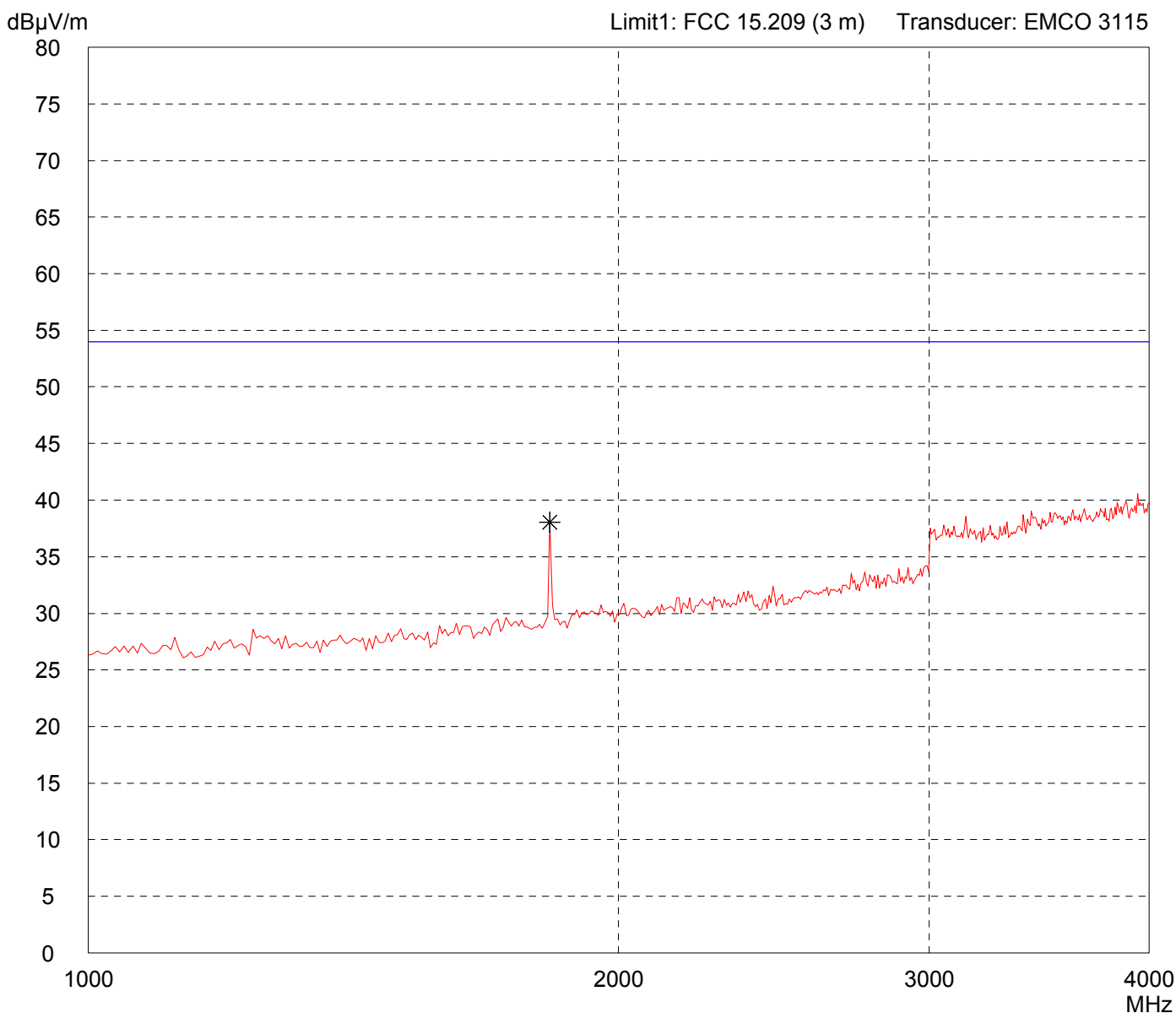
Result: Prescan

Project file: 50784-01257	Page of Pages
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Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Horizontal Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: Selected by hand</p>
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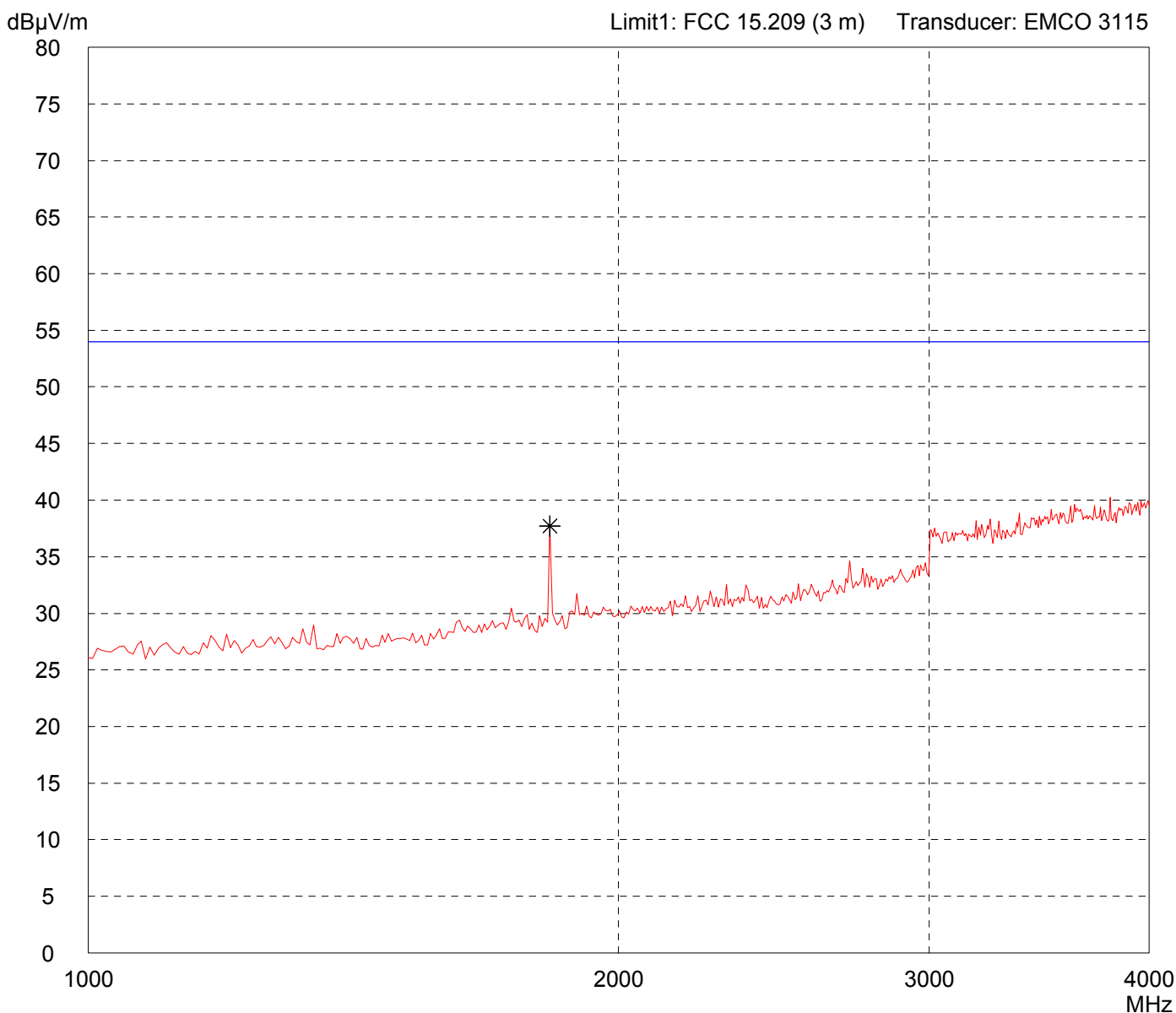


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Vertical Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: Selected by hand</p>
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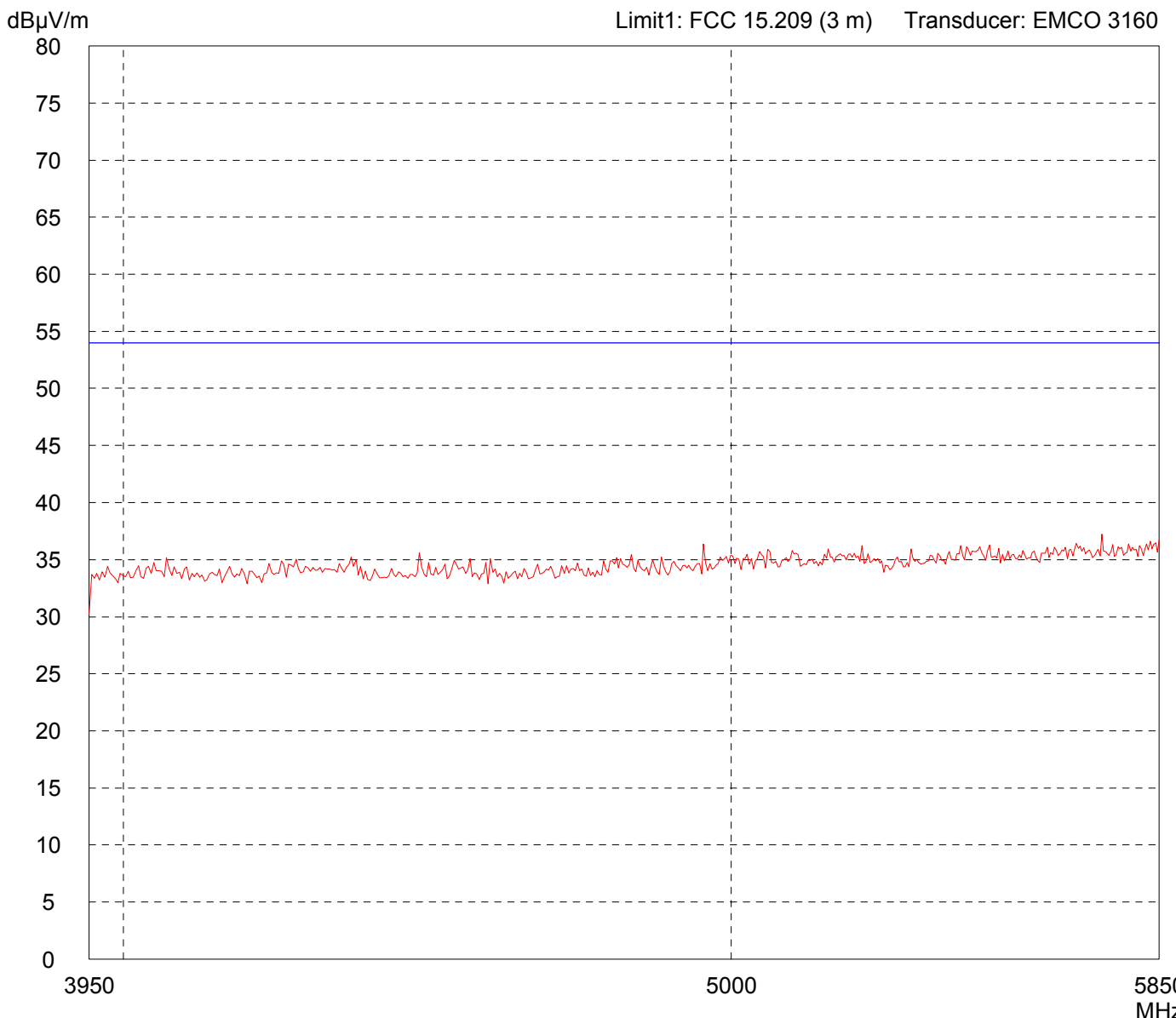


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Horizontal Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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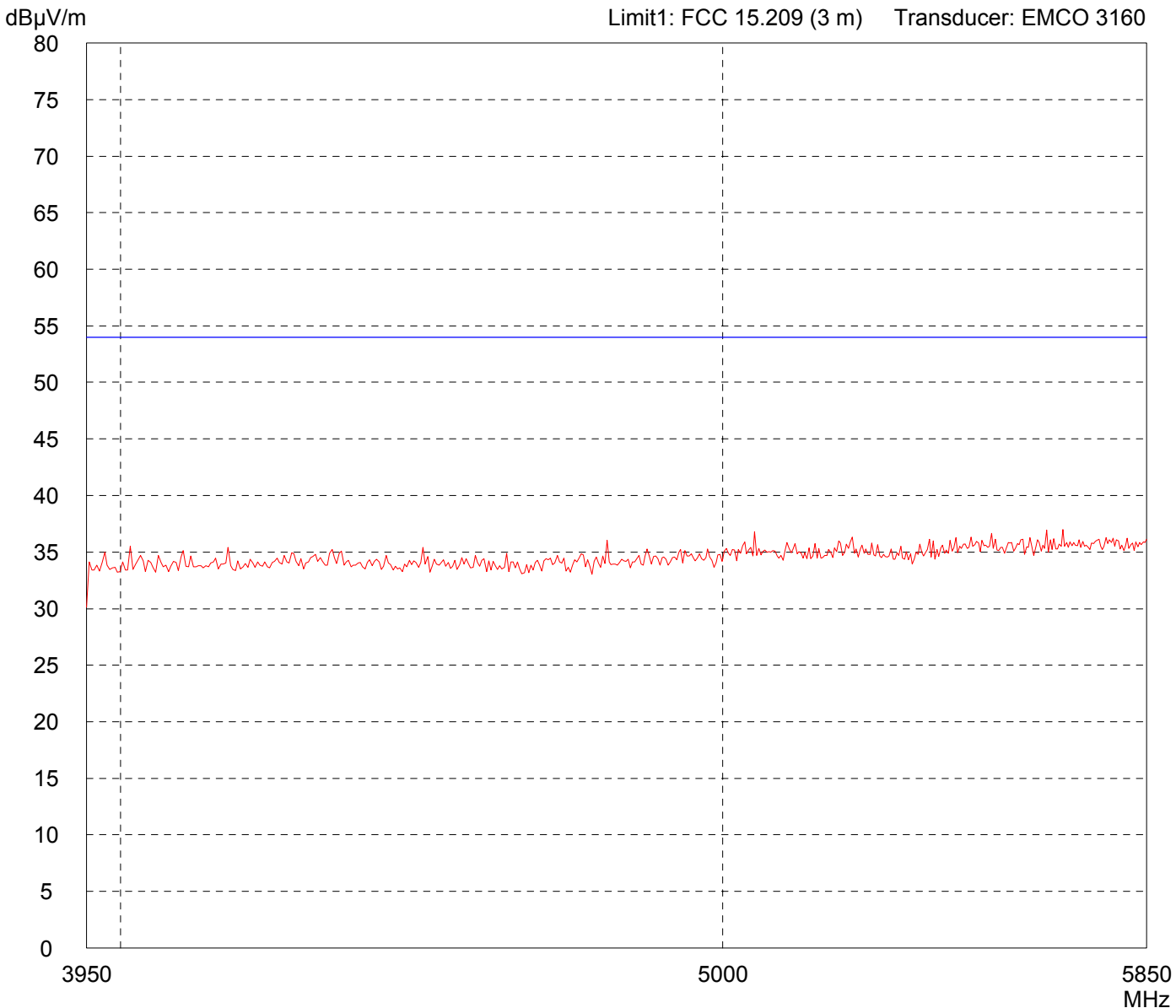


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Vertical Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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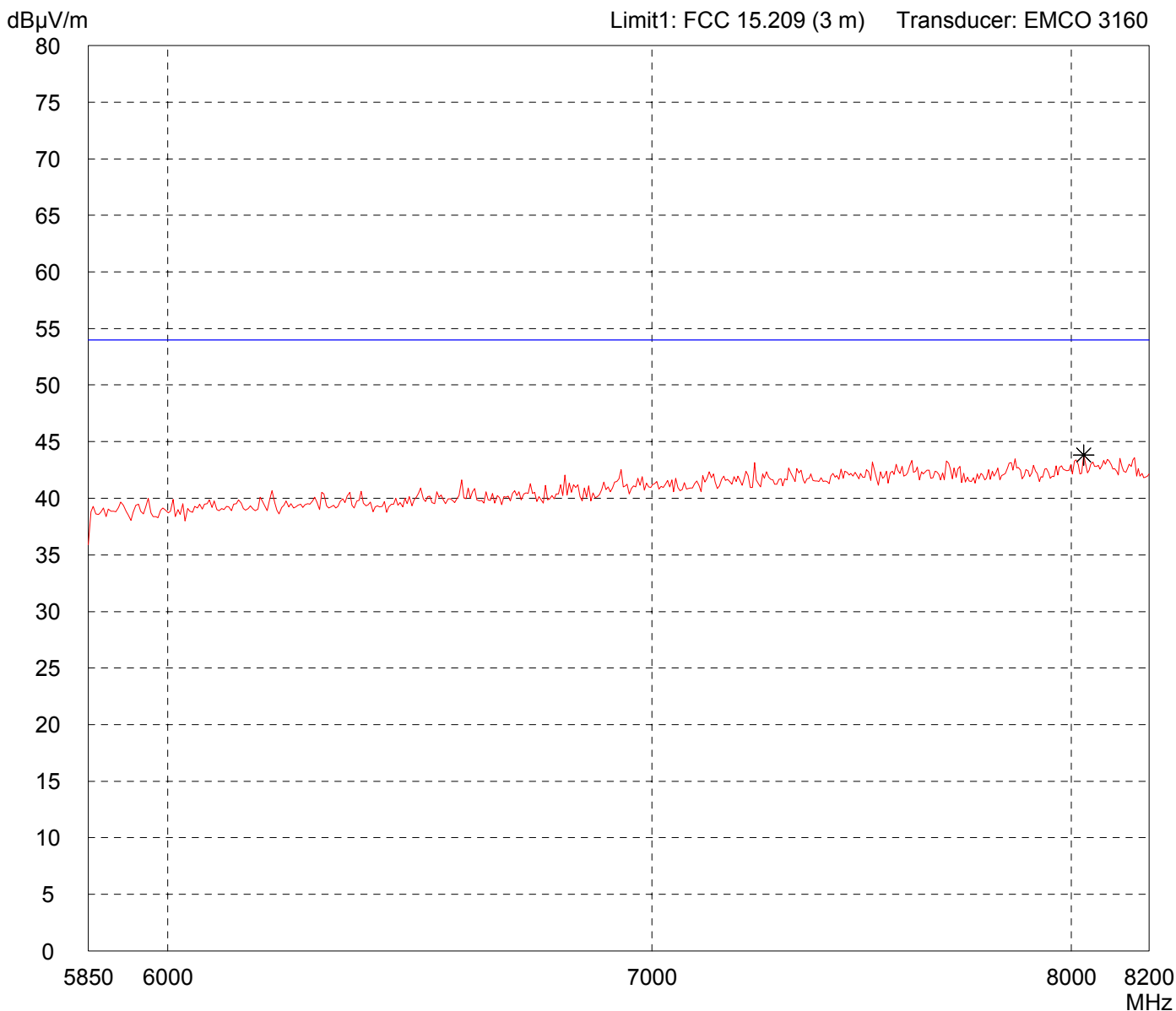
Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/11/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-01257	Page of Pages
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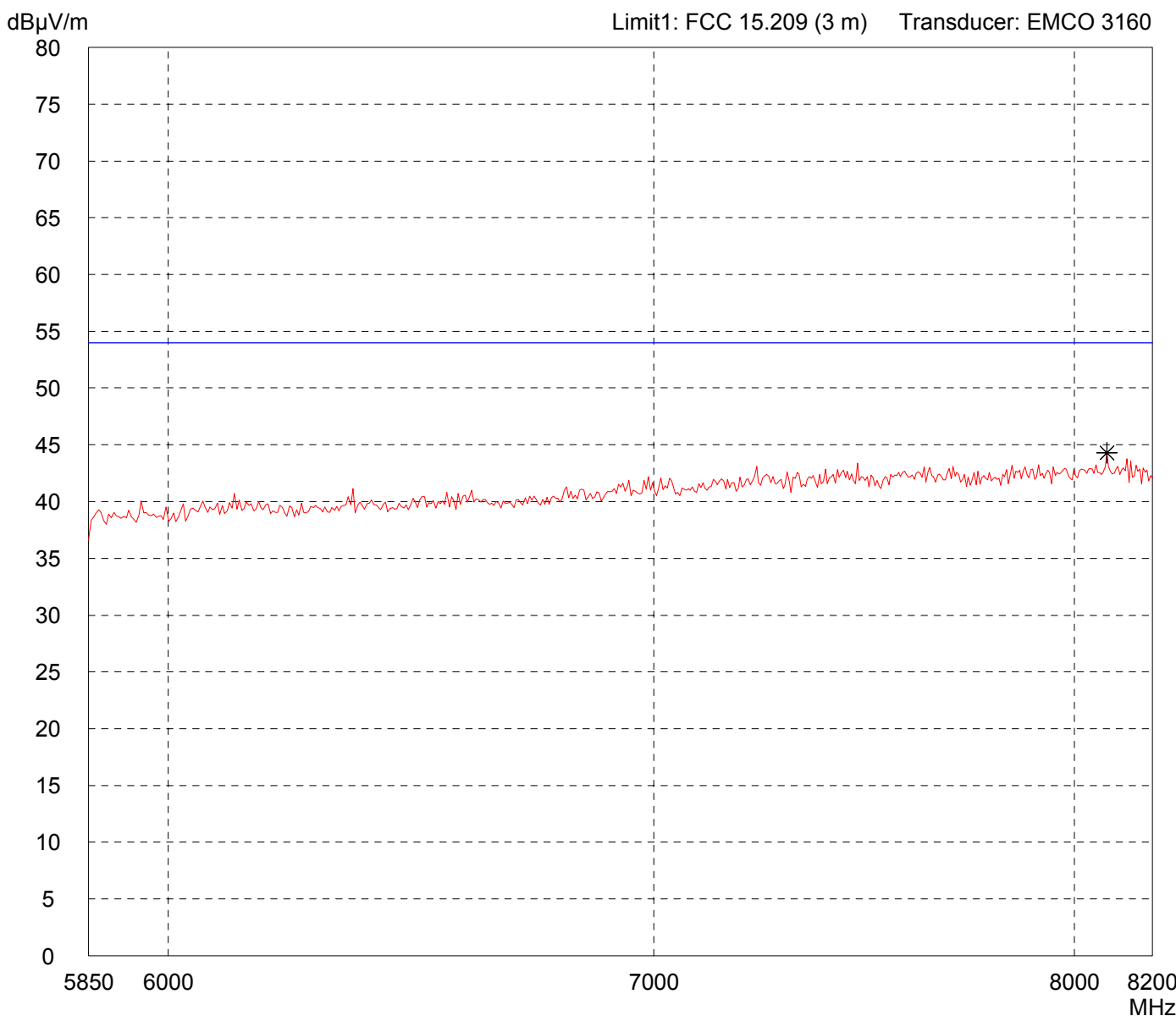
Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/11/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 915.25 MHz	
- With antenna ID.ISC.ANT.U100/75-FCC	
- With high pass filter	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



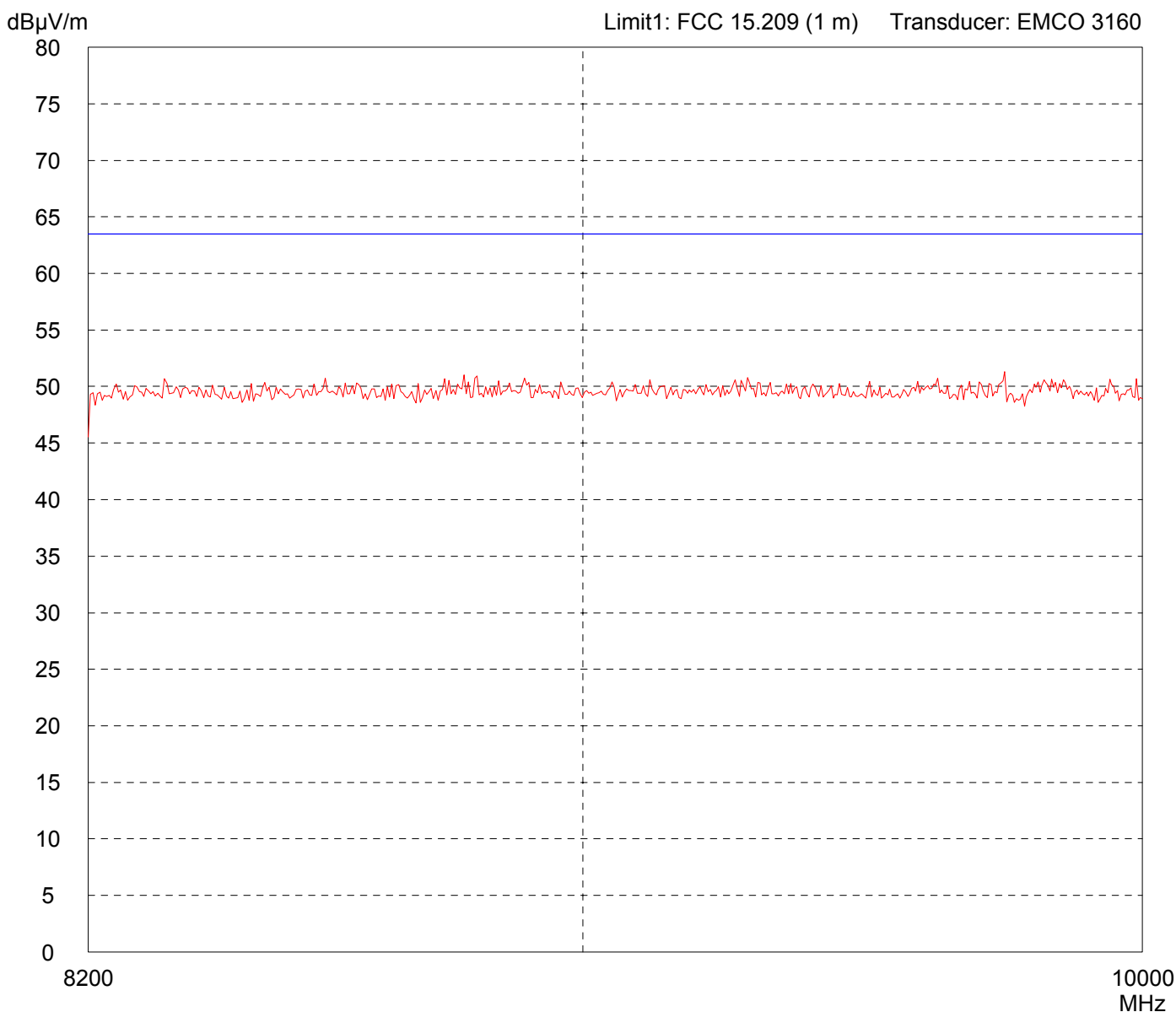
Result: Prescan

Project file: 50784-01257	Page of Pages
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Horizontal Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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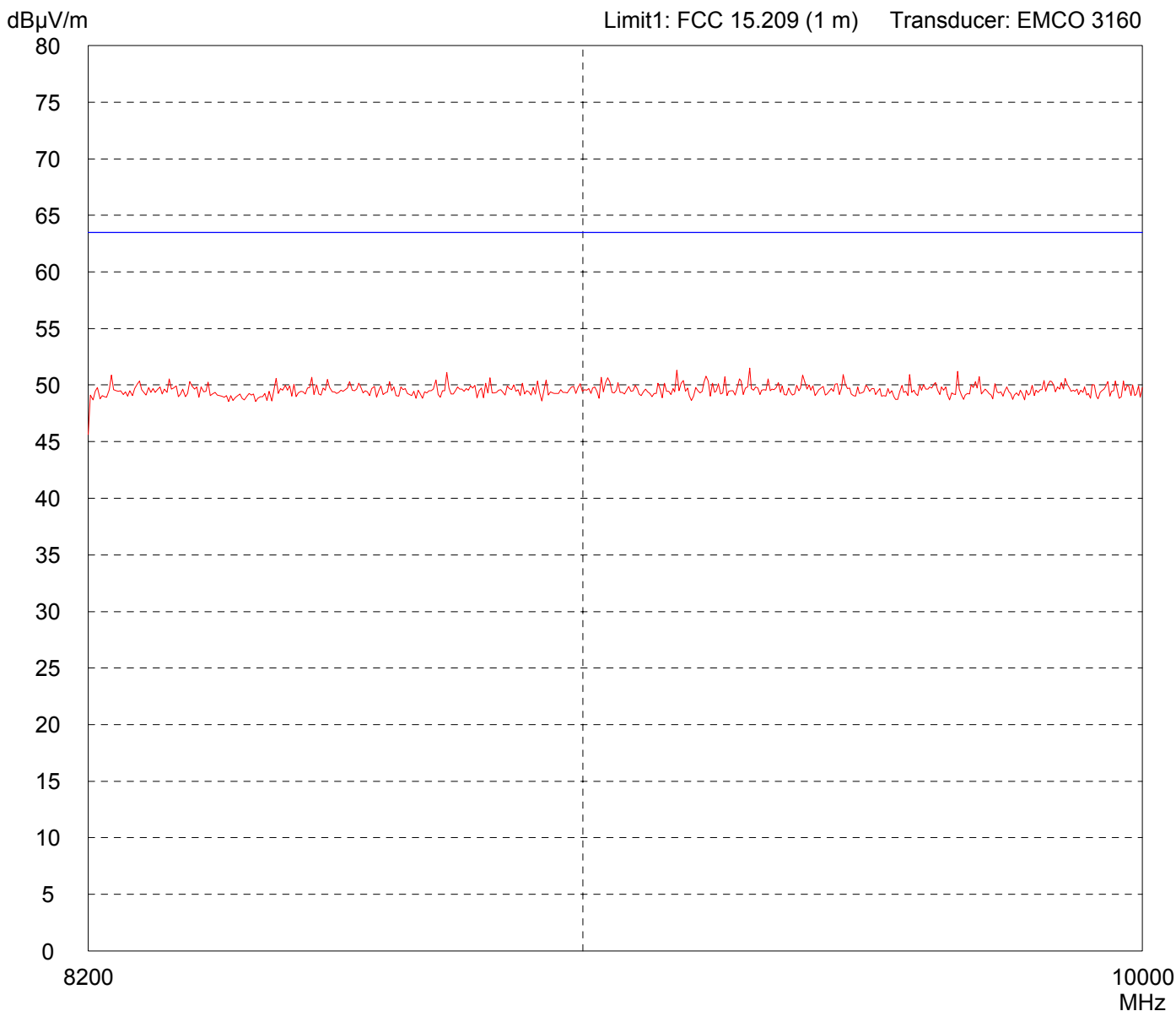


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Vertical Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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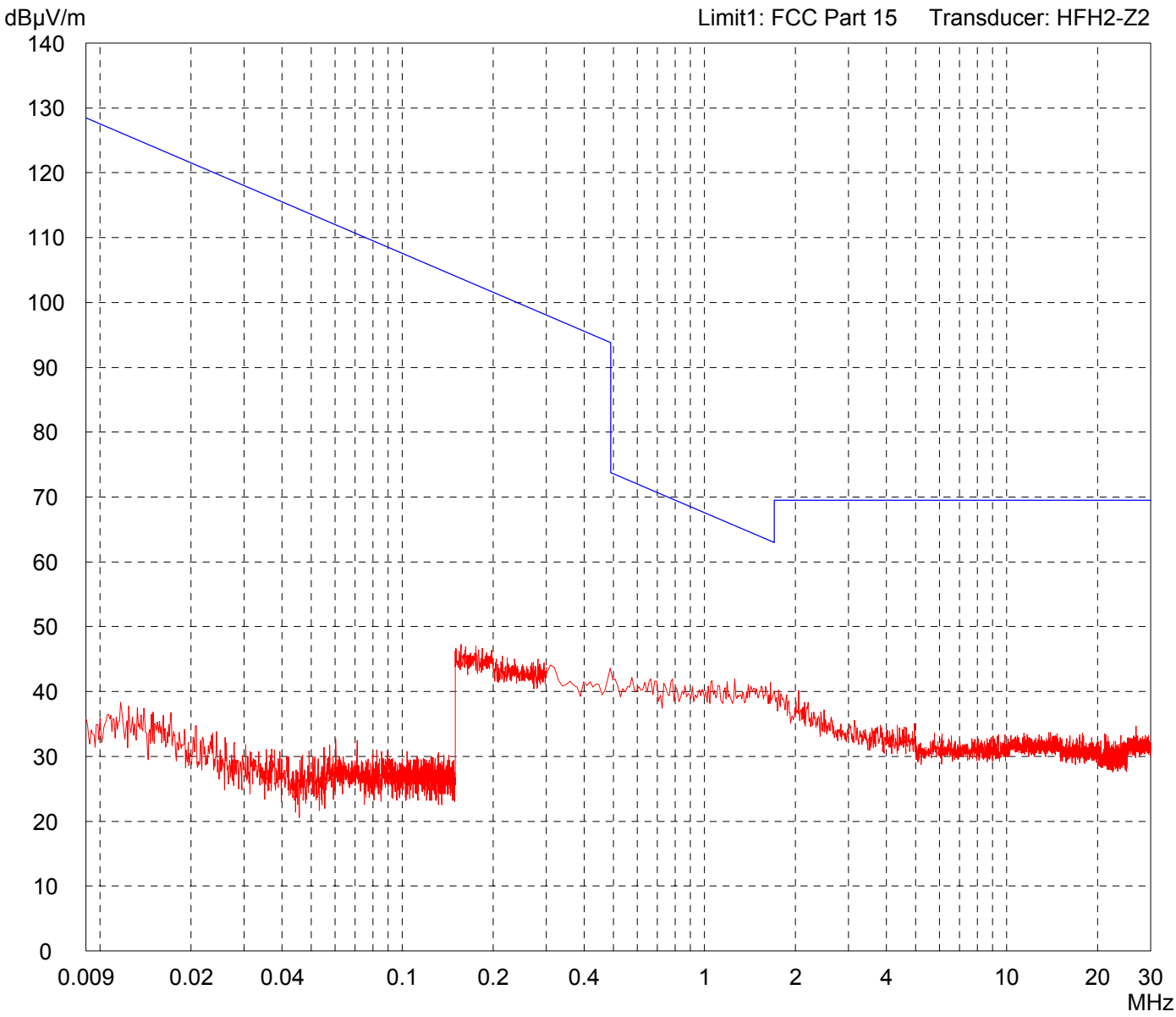
Radiated Emission Test 9 kHz - 30 MHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: by hand	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 927.25 MHz	
- With antenna ID.ISC.ANT.U100/75-FCC	
- With high pass filter	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-01257	Page of Pages
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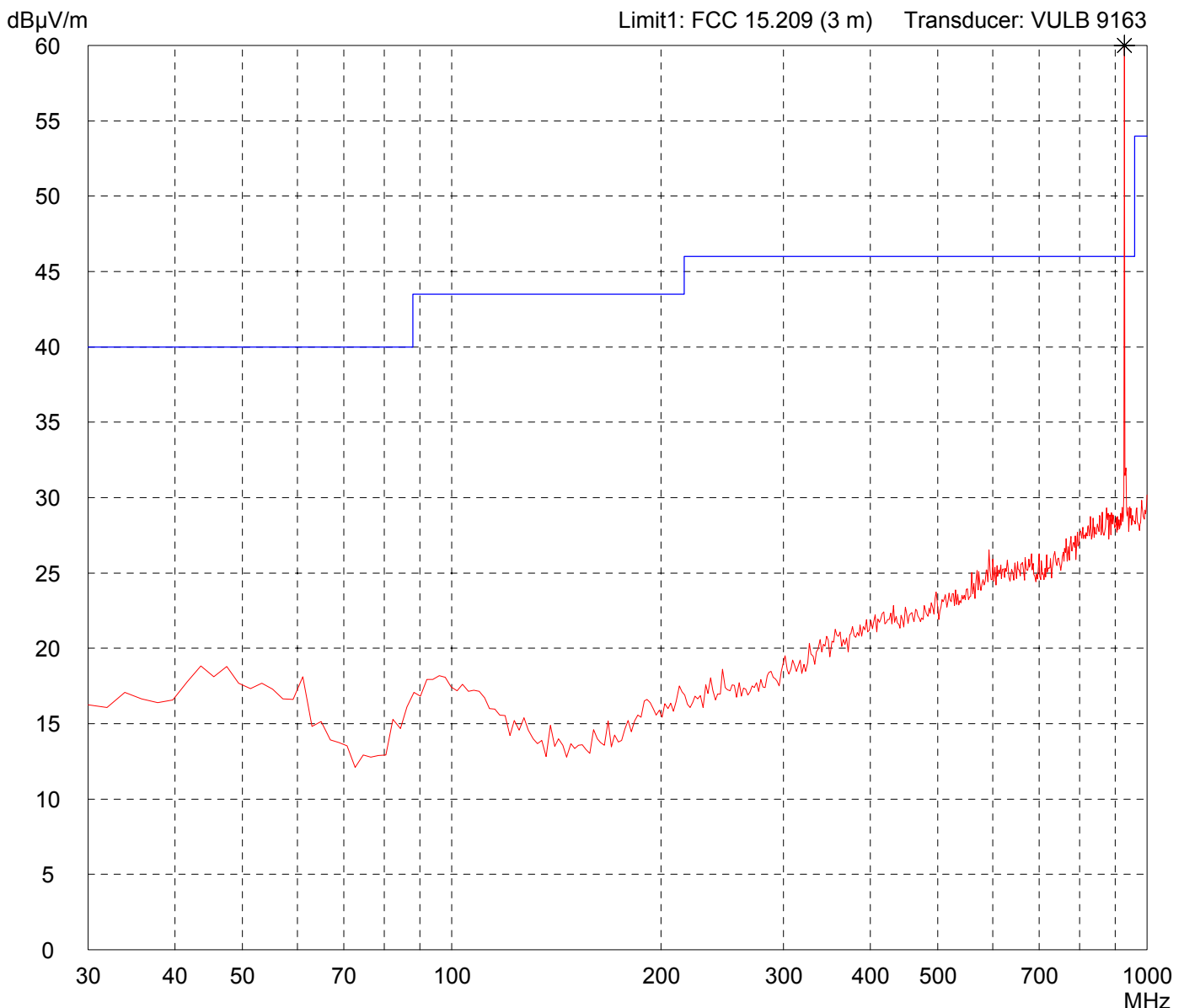
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 927.25 MHz	
- With antenna ID.ISC.ANT.U100/75-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values: 10 dB Margin	50 Subranges
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Result: Prescan

Project file: 50784-01257	Page of Pages
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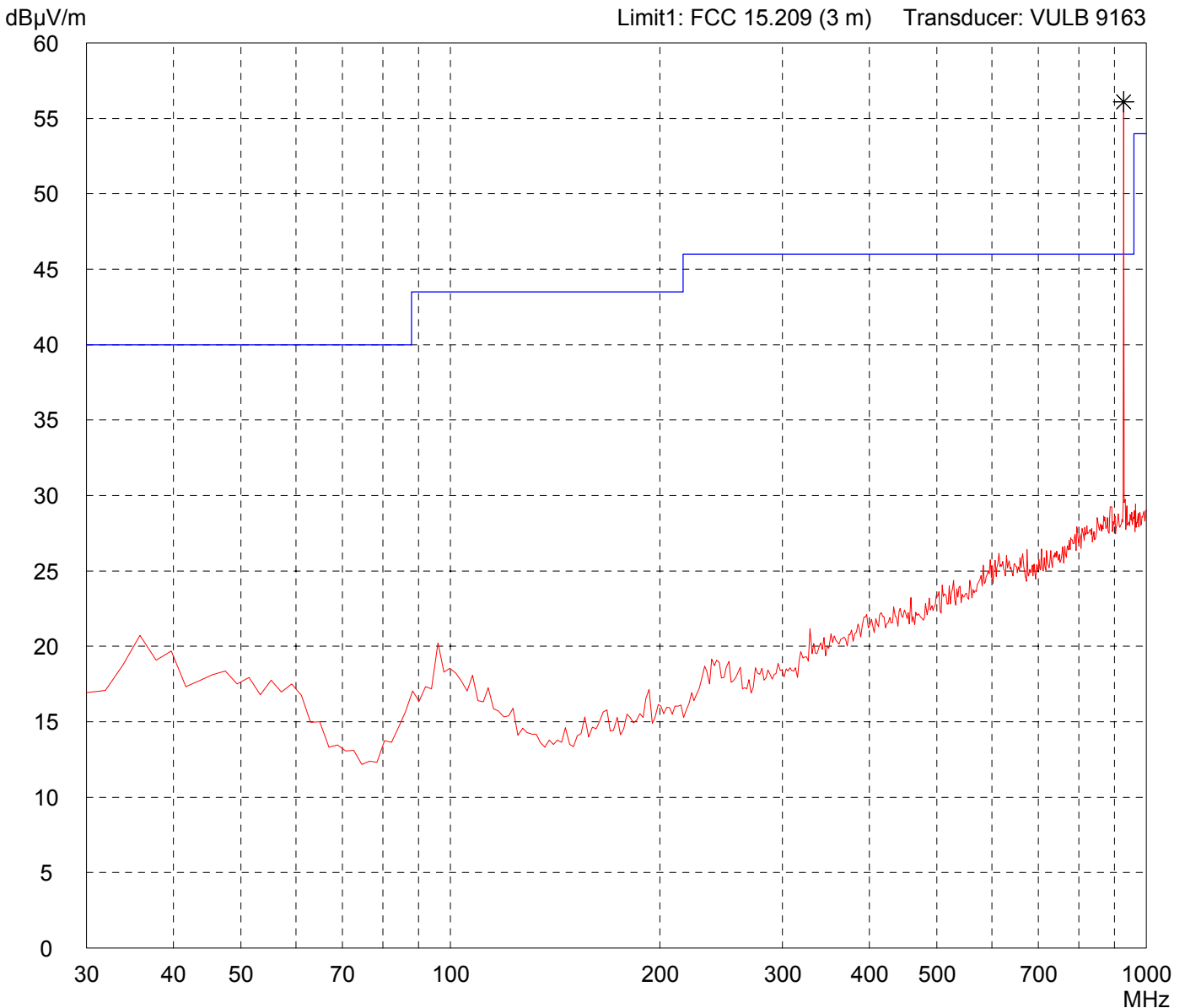
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With notch filter set to carrier frequency
--

Detector: Peak

List of values: 10 dB Margin	50 Subranges
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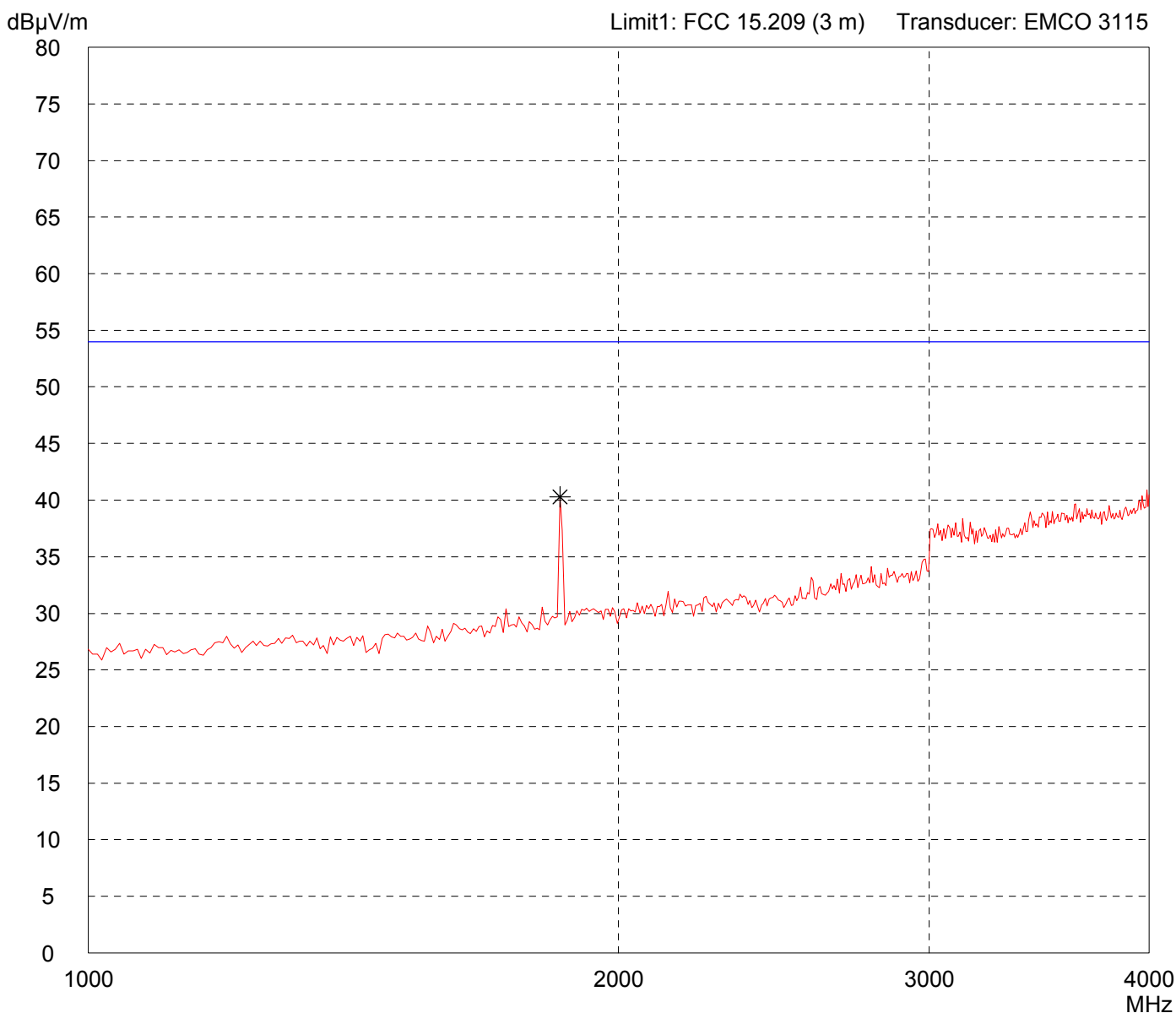
Result: Prescan

Project file: 50784-01257	Page of Pages
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Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Horizontal Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: Selected by hand</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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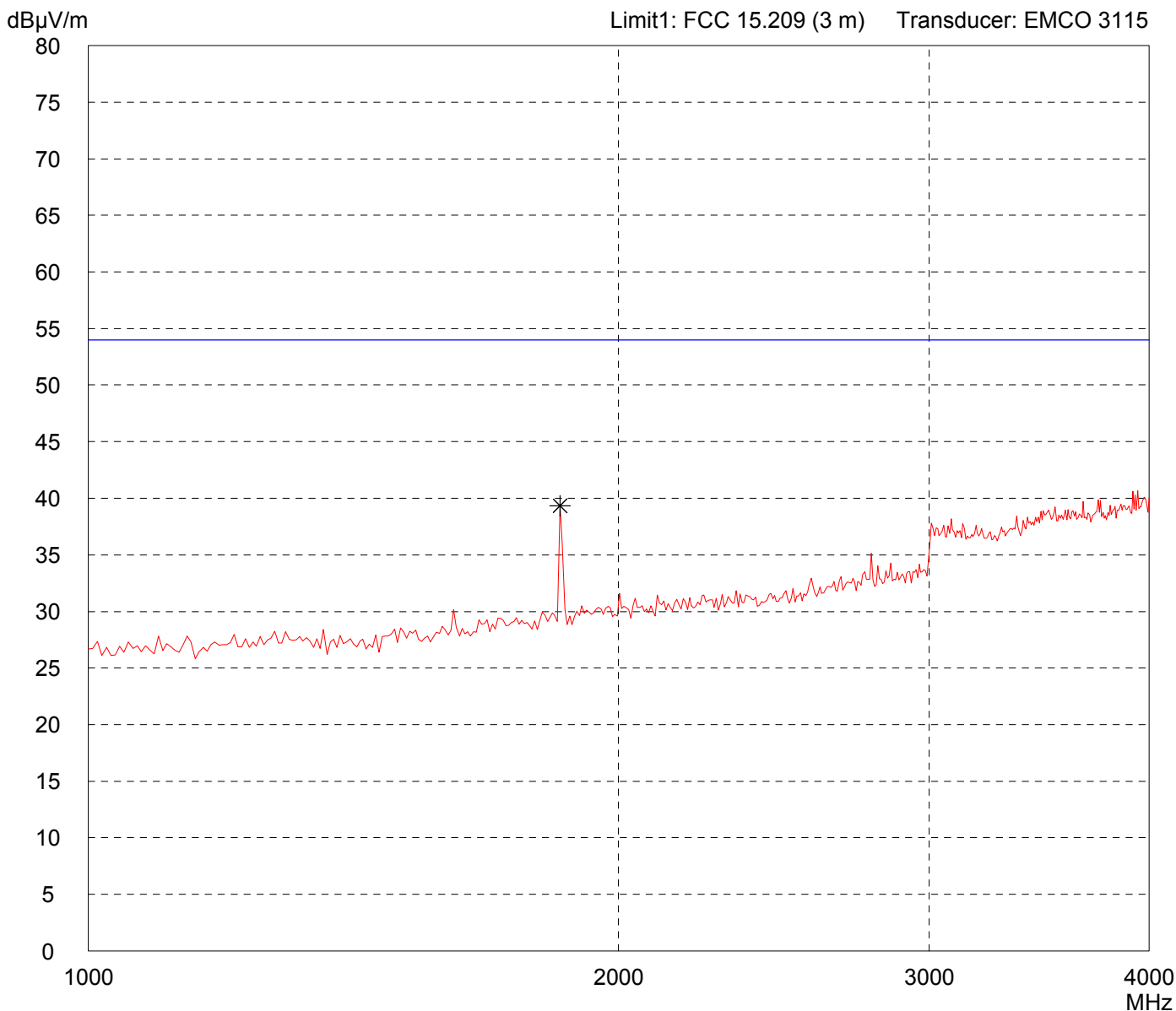
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/11/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter

Detector: Peak

List of values: Selected by hand



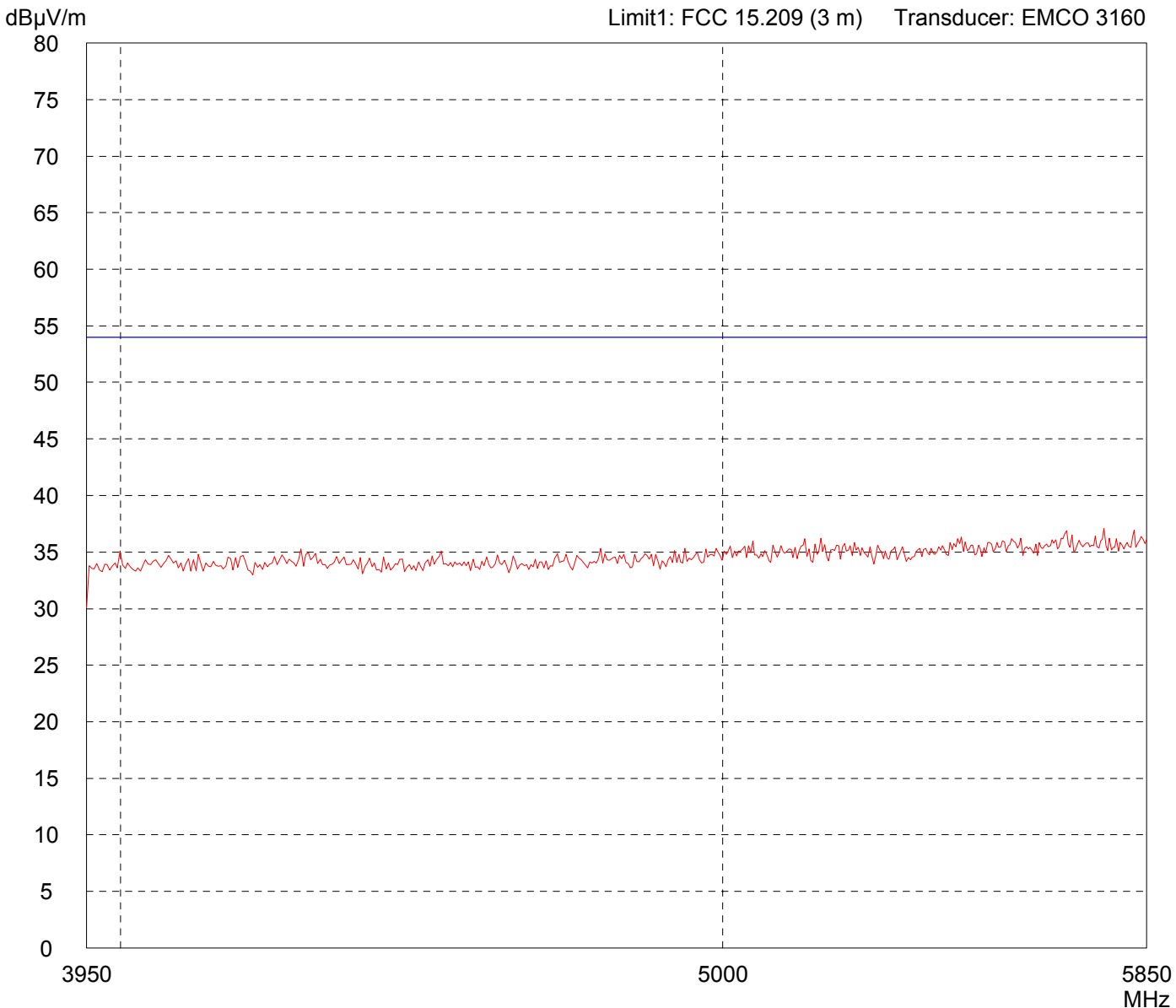
Result: Prescan

Project file: 50784-01257	Page of Pages
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Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Horizontal Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
---	---

<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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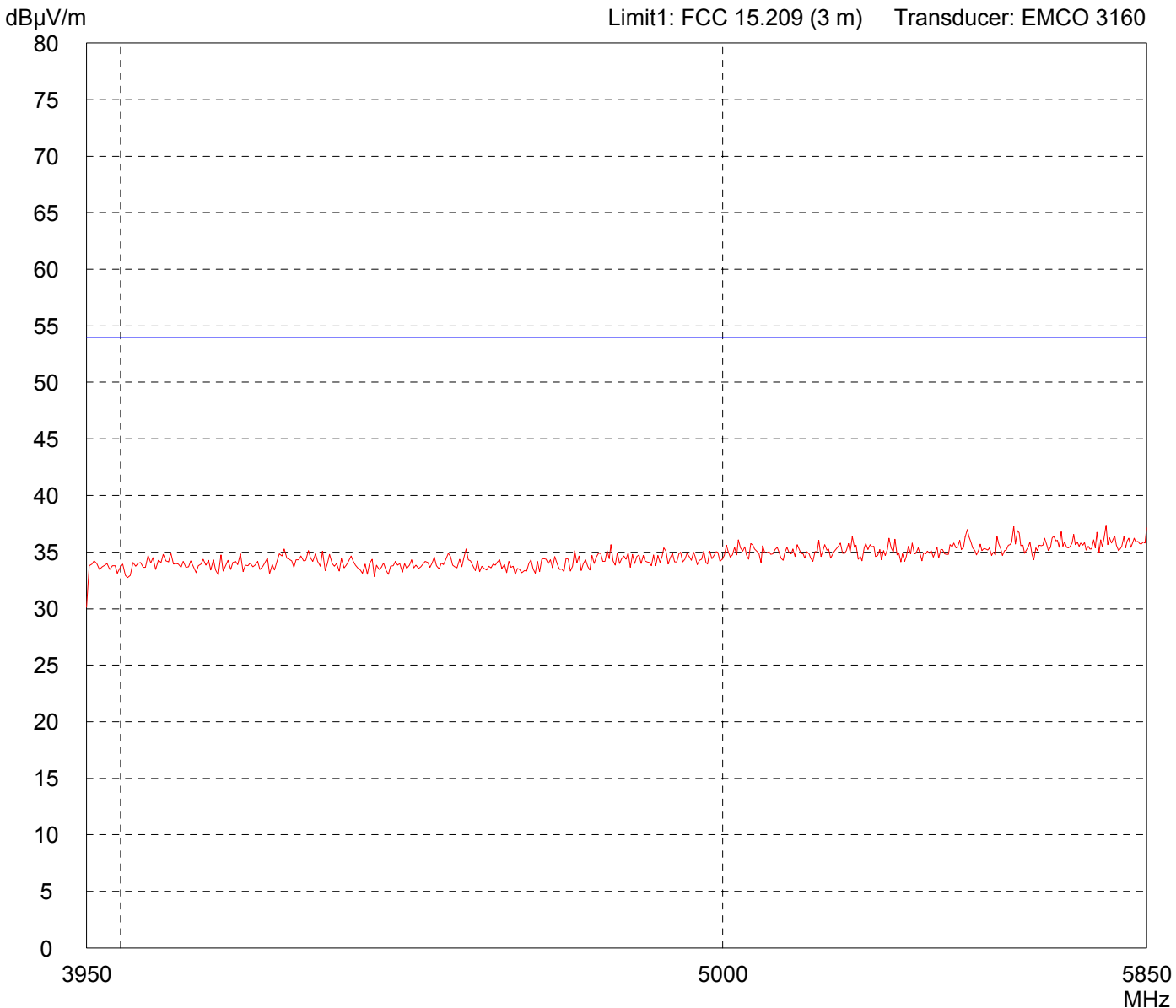


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Vertical Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
---	---

<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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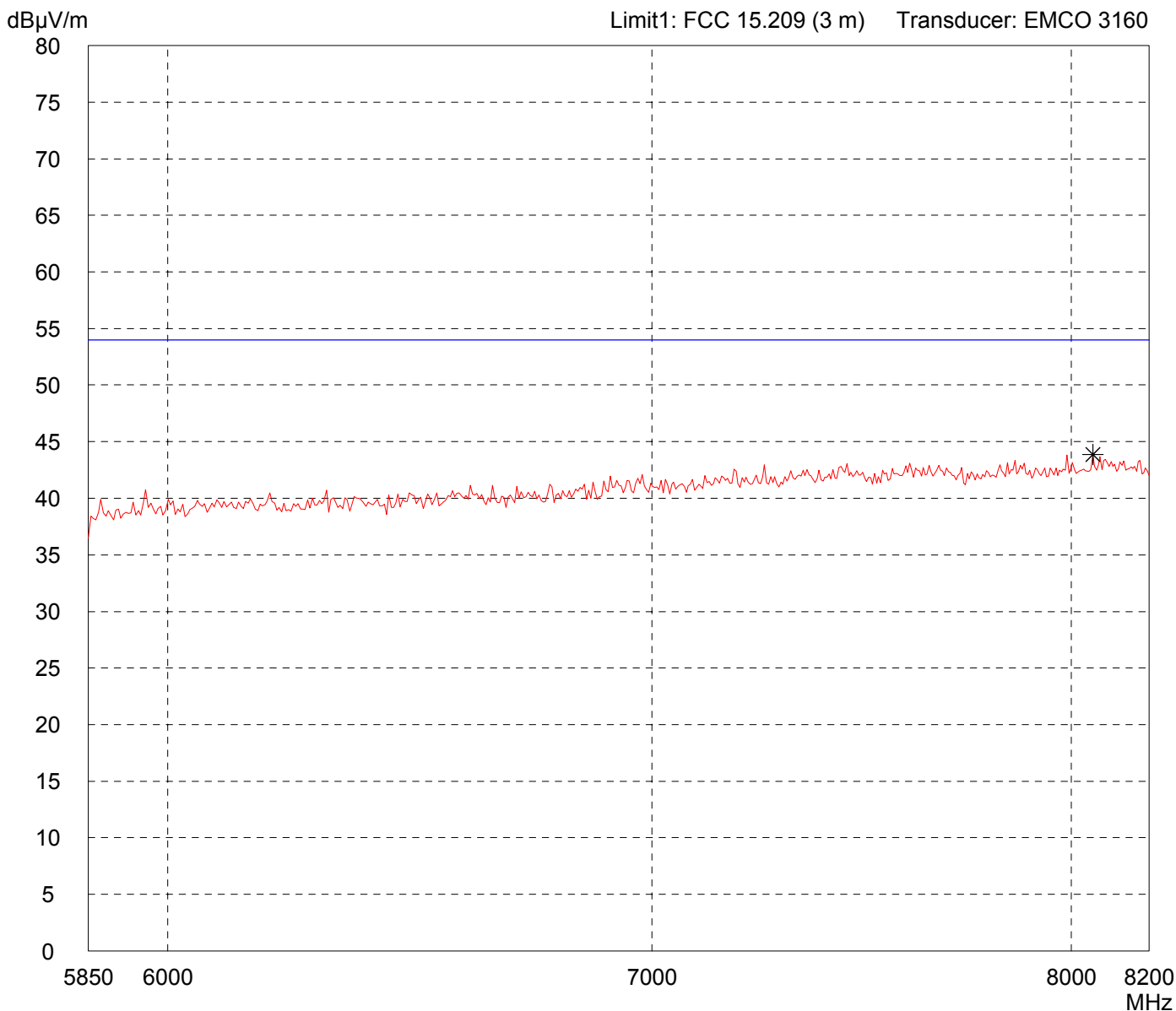
Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/11/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-01257	Page of Pages
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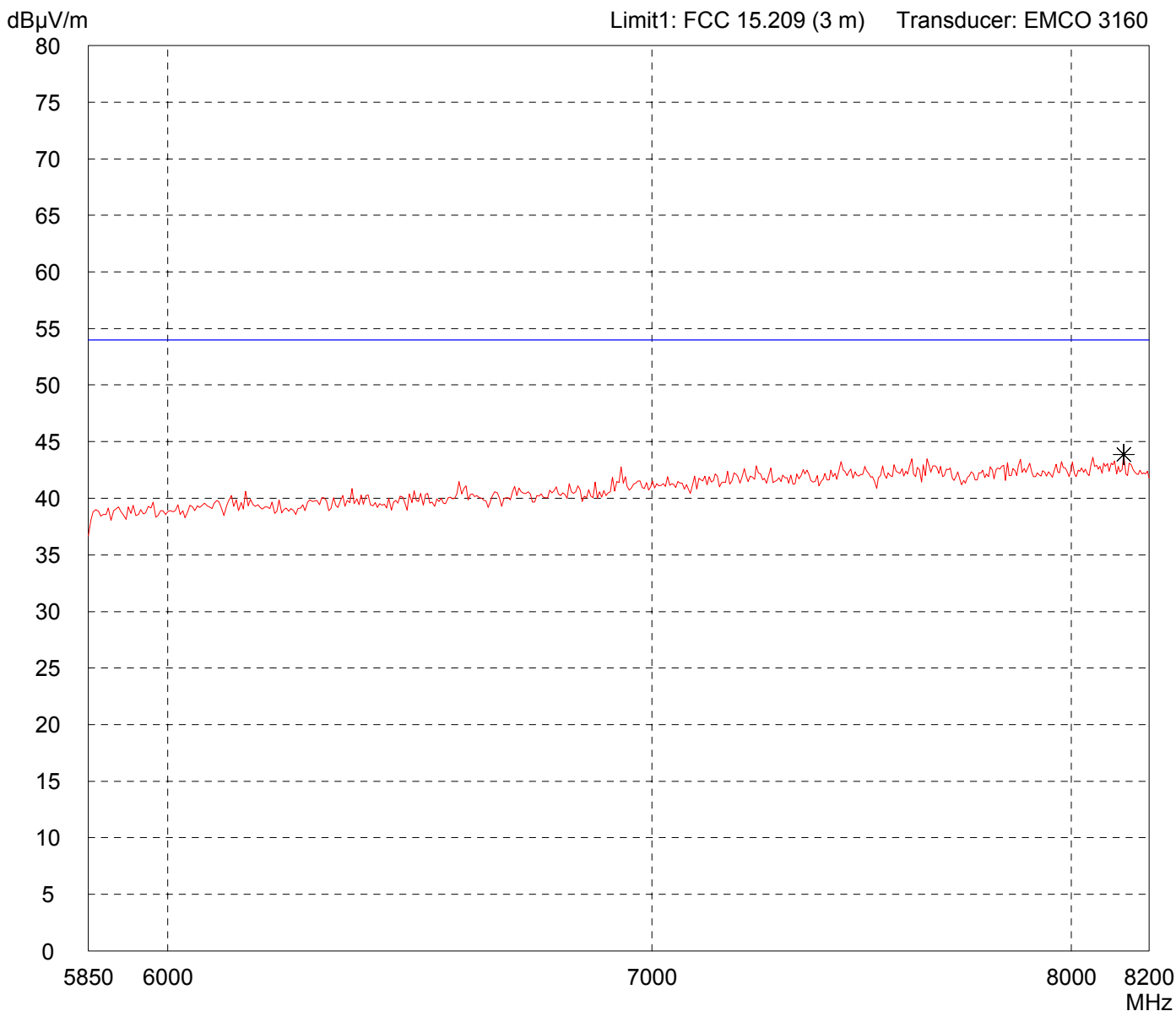
Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/11/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter

Detector: Peak

List of values: Selected by hand



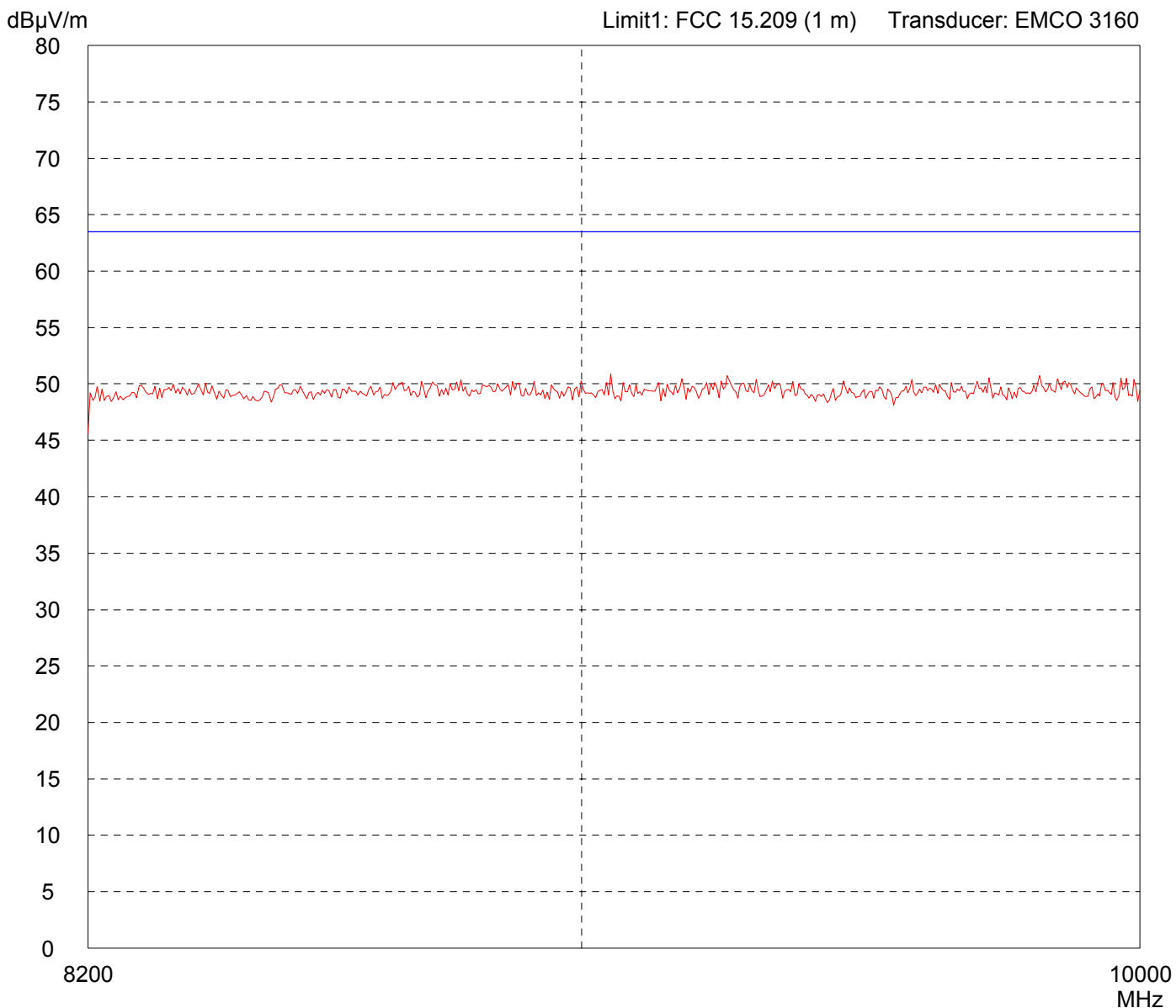
Result: Prescan

Project file: 50784-01257	Page of Pages
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Horizontal Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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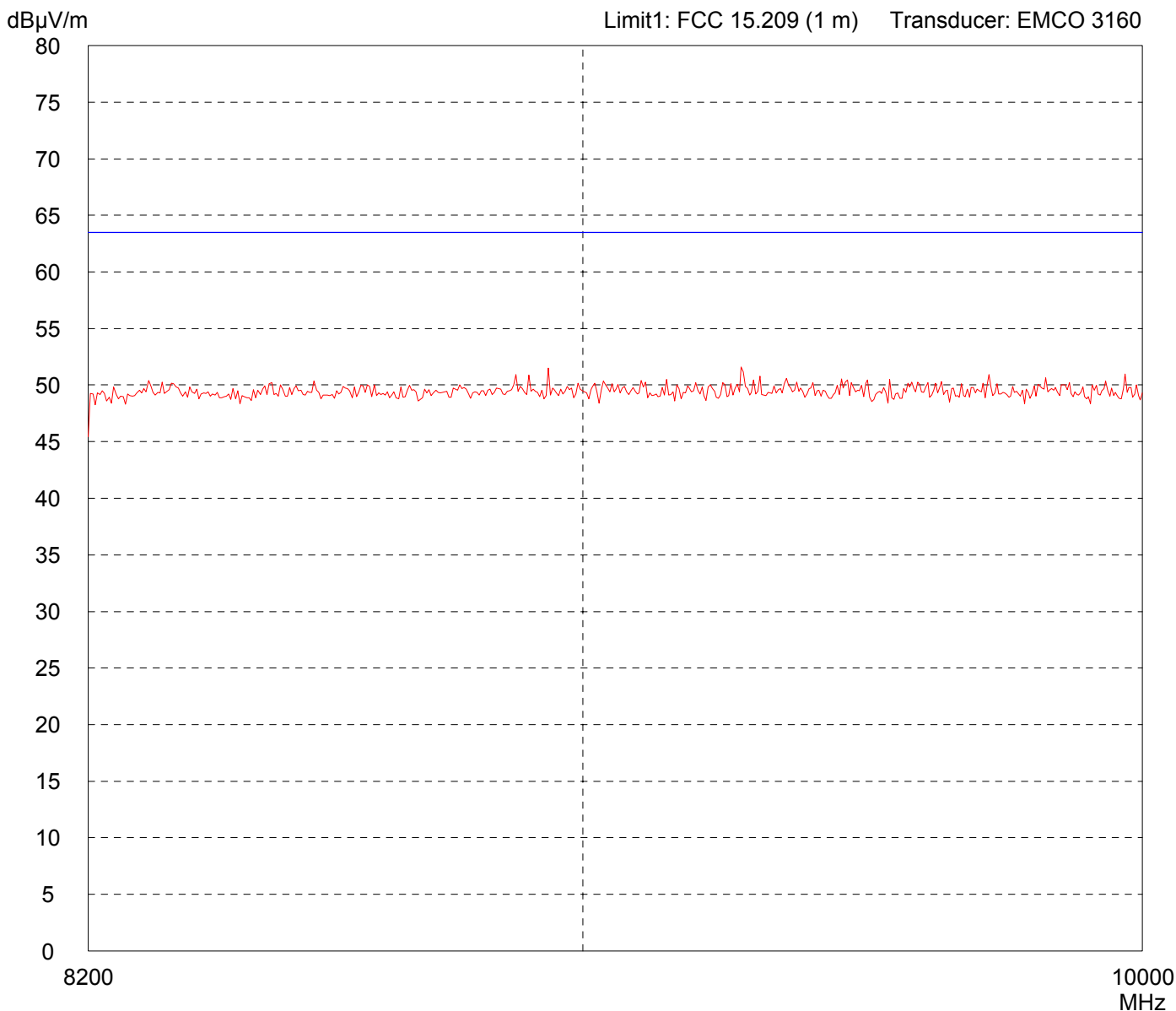


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Vertical Polarization</p> <p>Date of test: 01/11/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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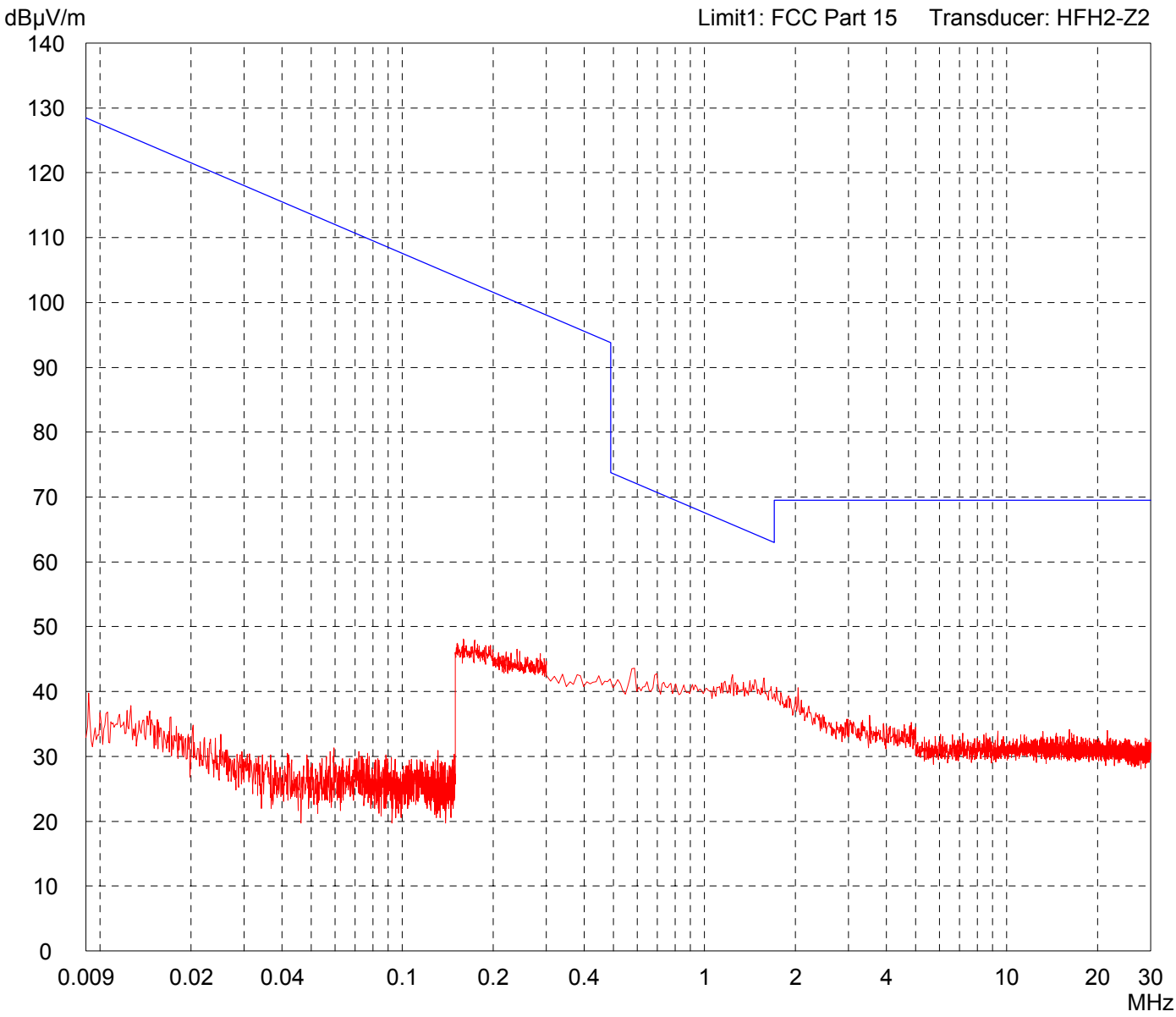
Radiated Emission Test 9 kHz - 30 MHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: by hand	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 902.75 MHz	
- Port: 2	
- With antenna ID.ISC.ANT.U100/75-FCC	
- With high pass filter	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-01257	Page of Pages
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Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

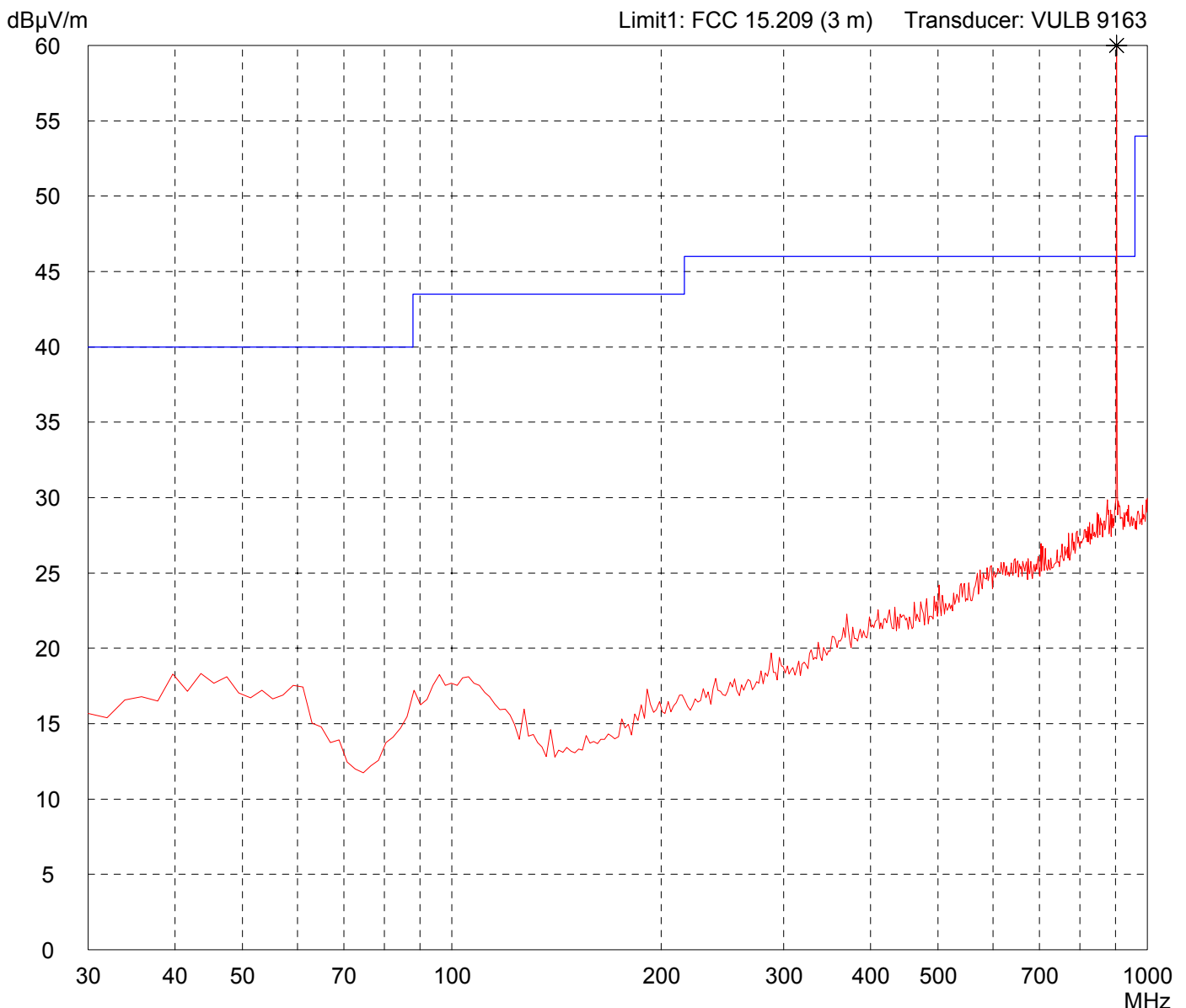
Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:

- 5 V external power supply
- Transmitting continuously with modulation
- Frequency: 902.75 MHz
- Port: 2
- With antenna ID.ISC.ANT.U100/75-FCC
- With notch filter set to carrier frequency

Detector:
Peak

List of values:
10 dB Margin 50 Subranges



Result:
Prescan

Project file:
50784-01257 Page of Pages

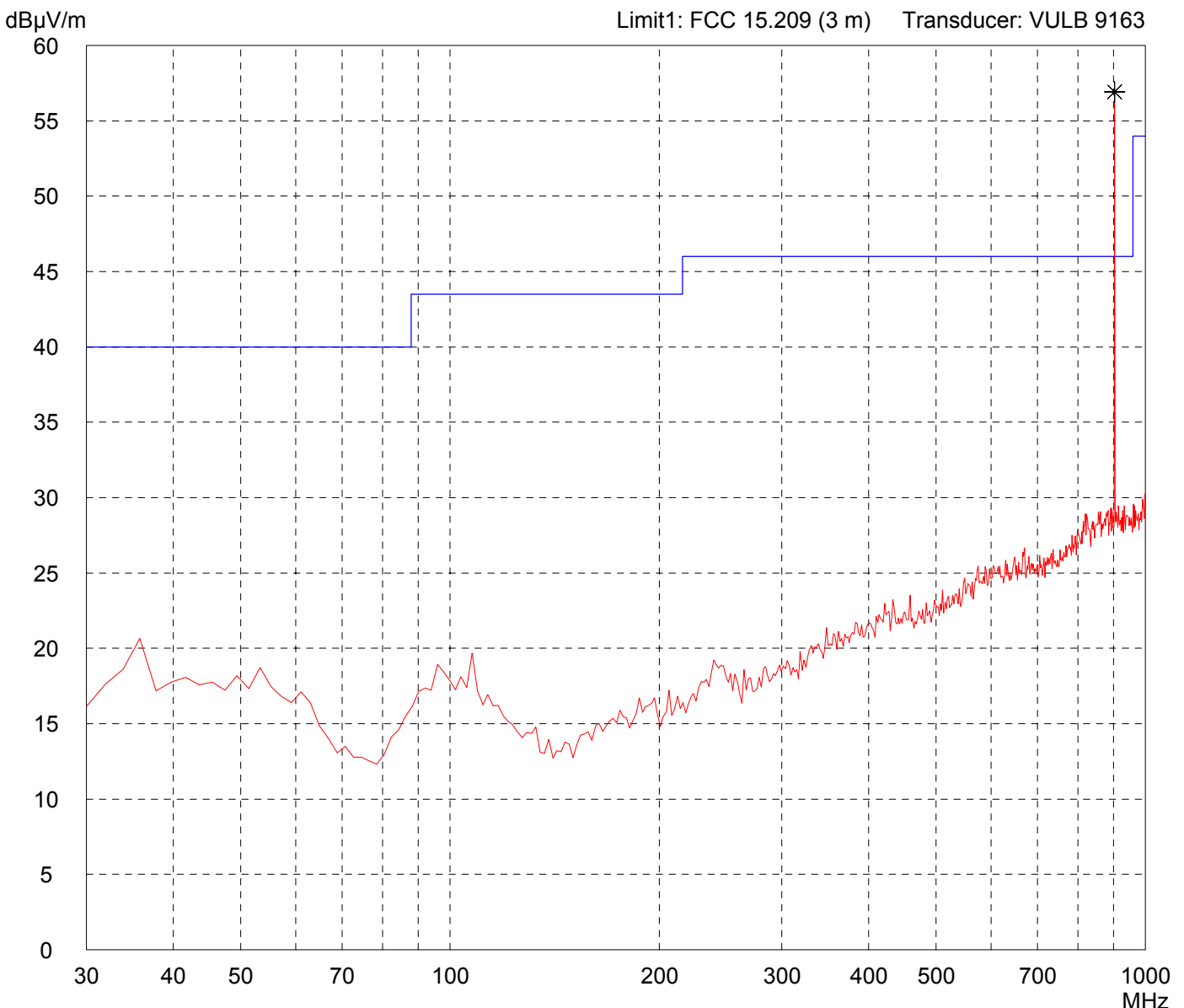
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 902.75 MHz	
- Port: 2	
- With antenna ID.ISC.ANT.U100/75-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	
10 dB Margin	50 Subranges



Result: Prescan

Project file: 50784-01257	Page of Pages
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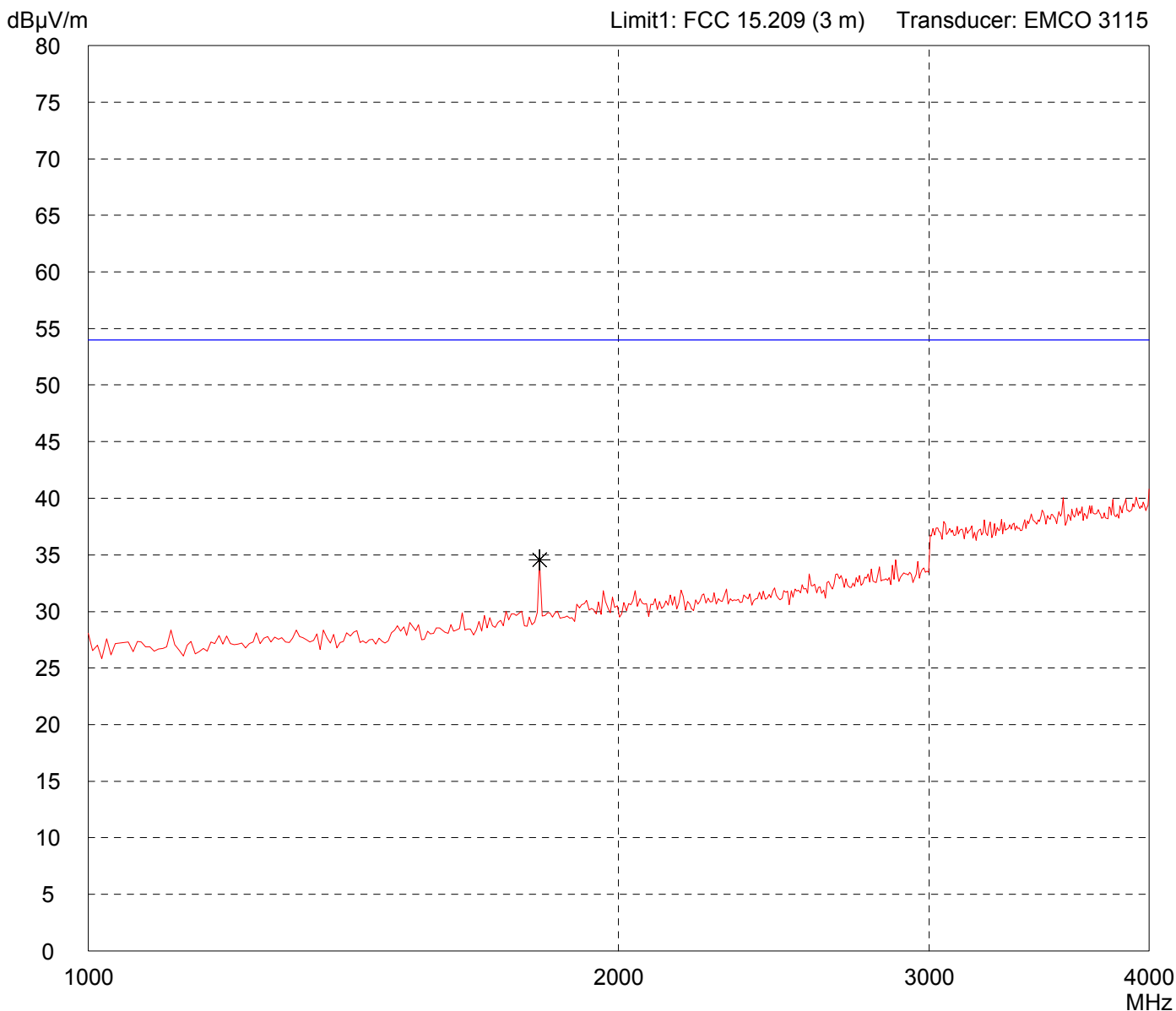
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-01257	Page of Pages
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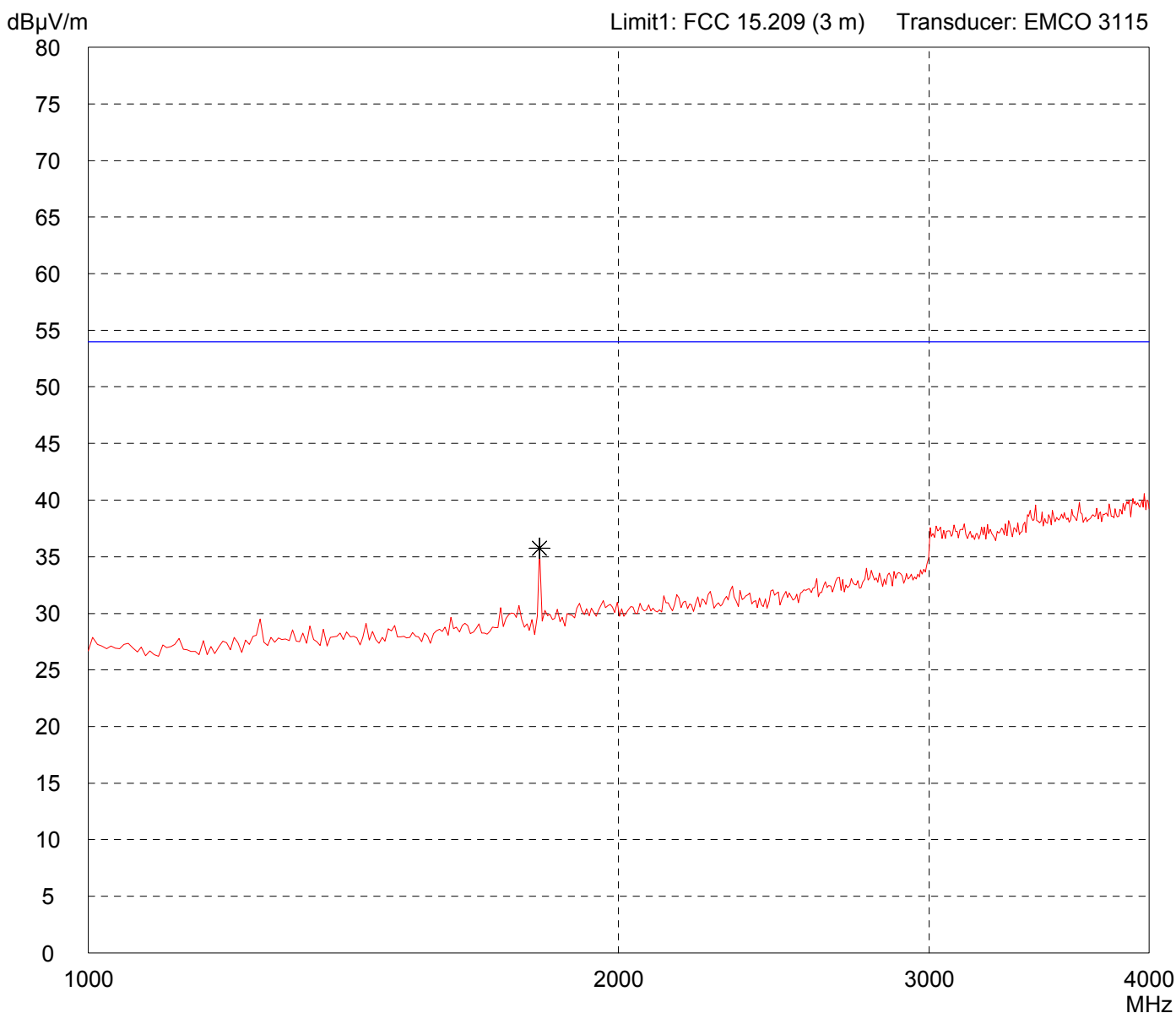
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
--

Detector: Peak

List of values: Selected by hand



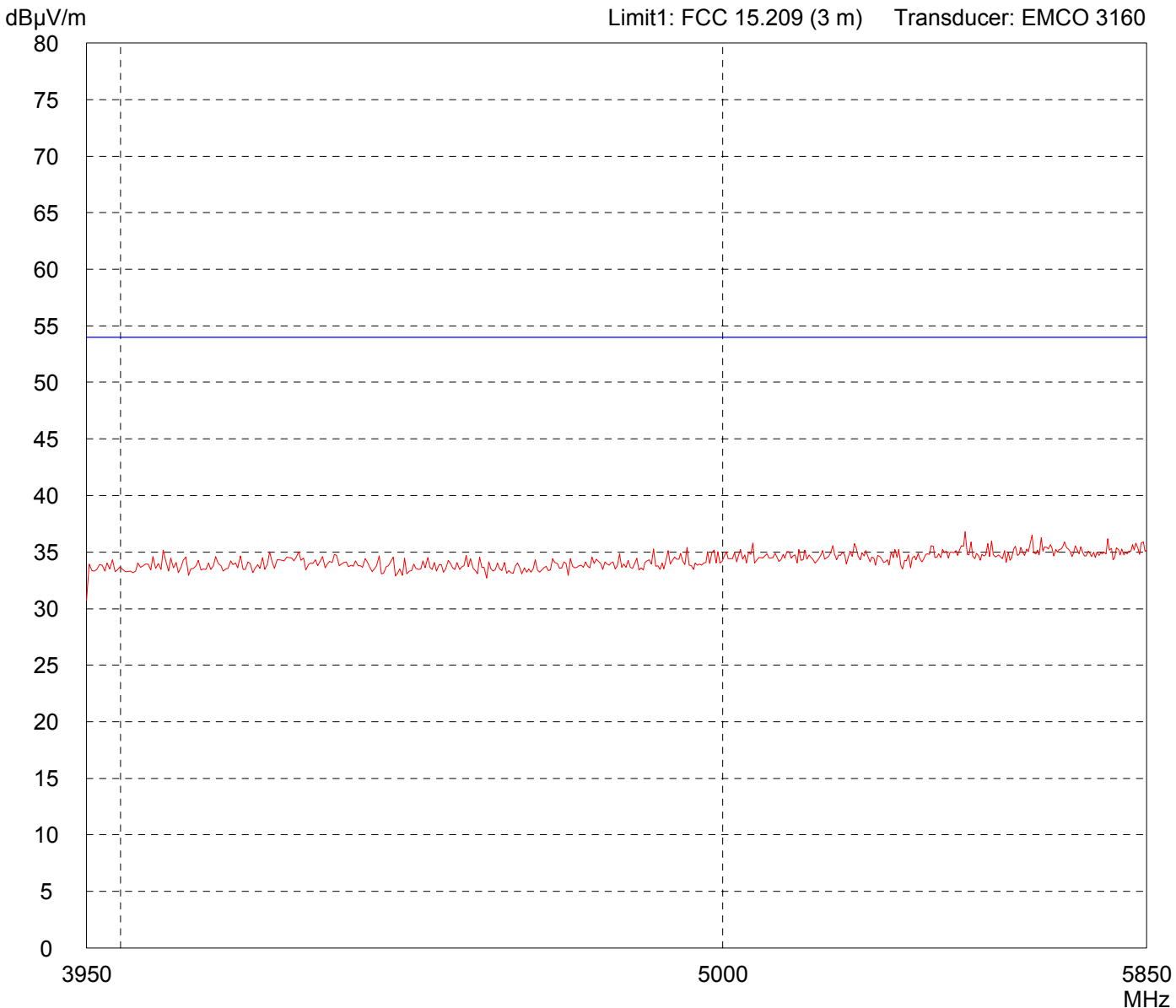
Result: Prescan

Project file: 50784-01257	Page of Pages
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Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Horizontal Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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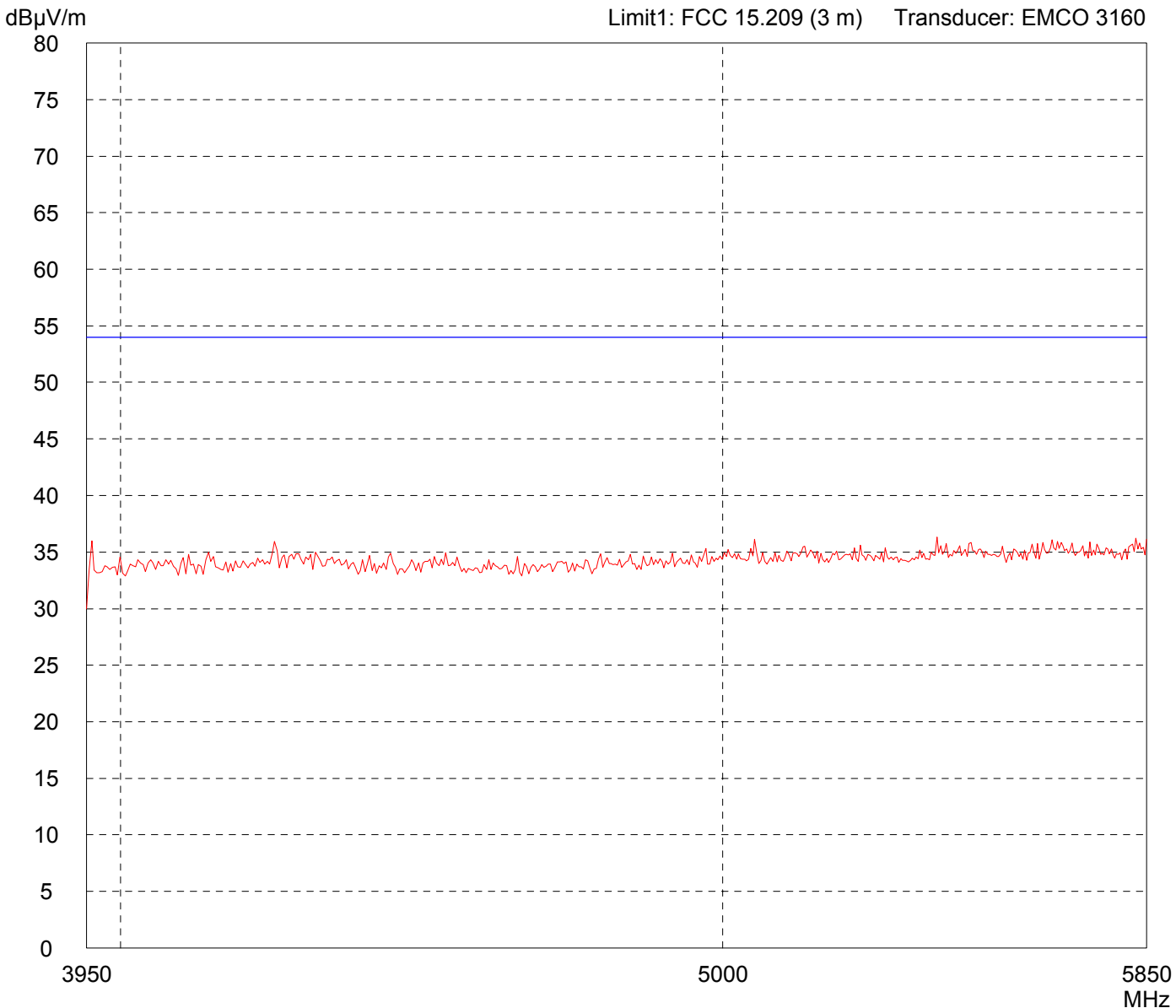


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Vertical Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
----------------------------------	--

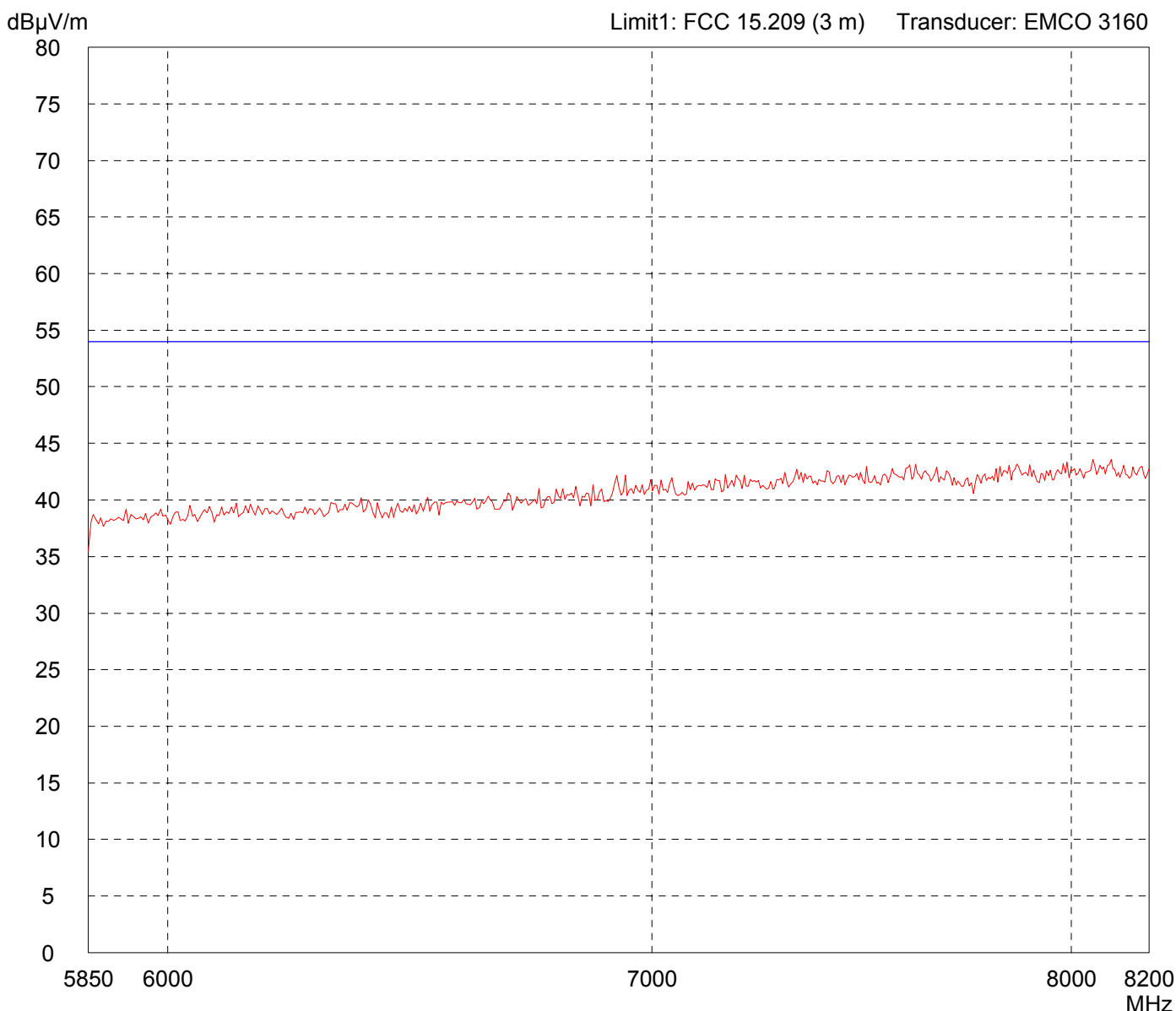


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Horizontal Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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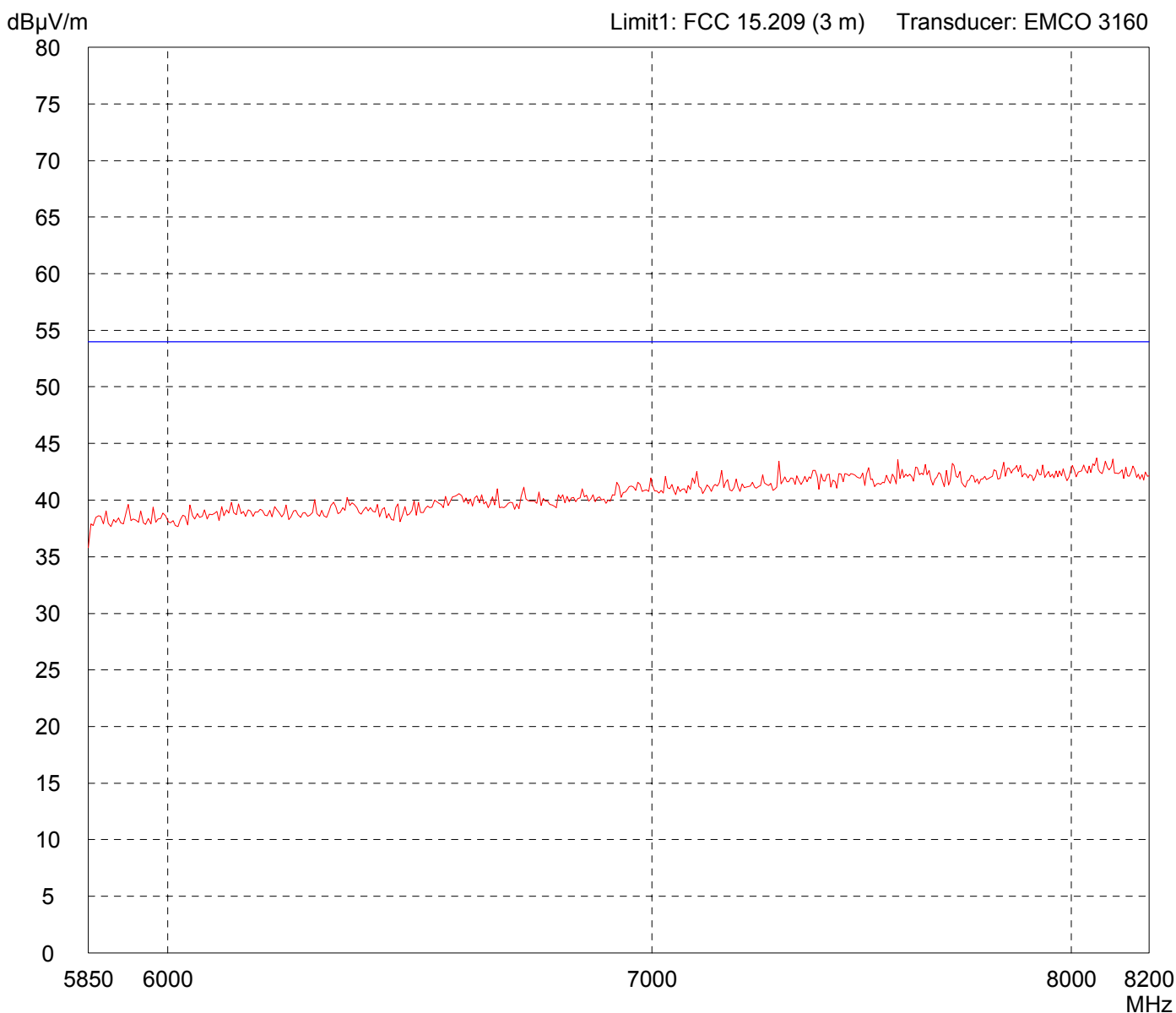


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Vertical Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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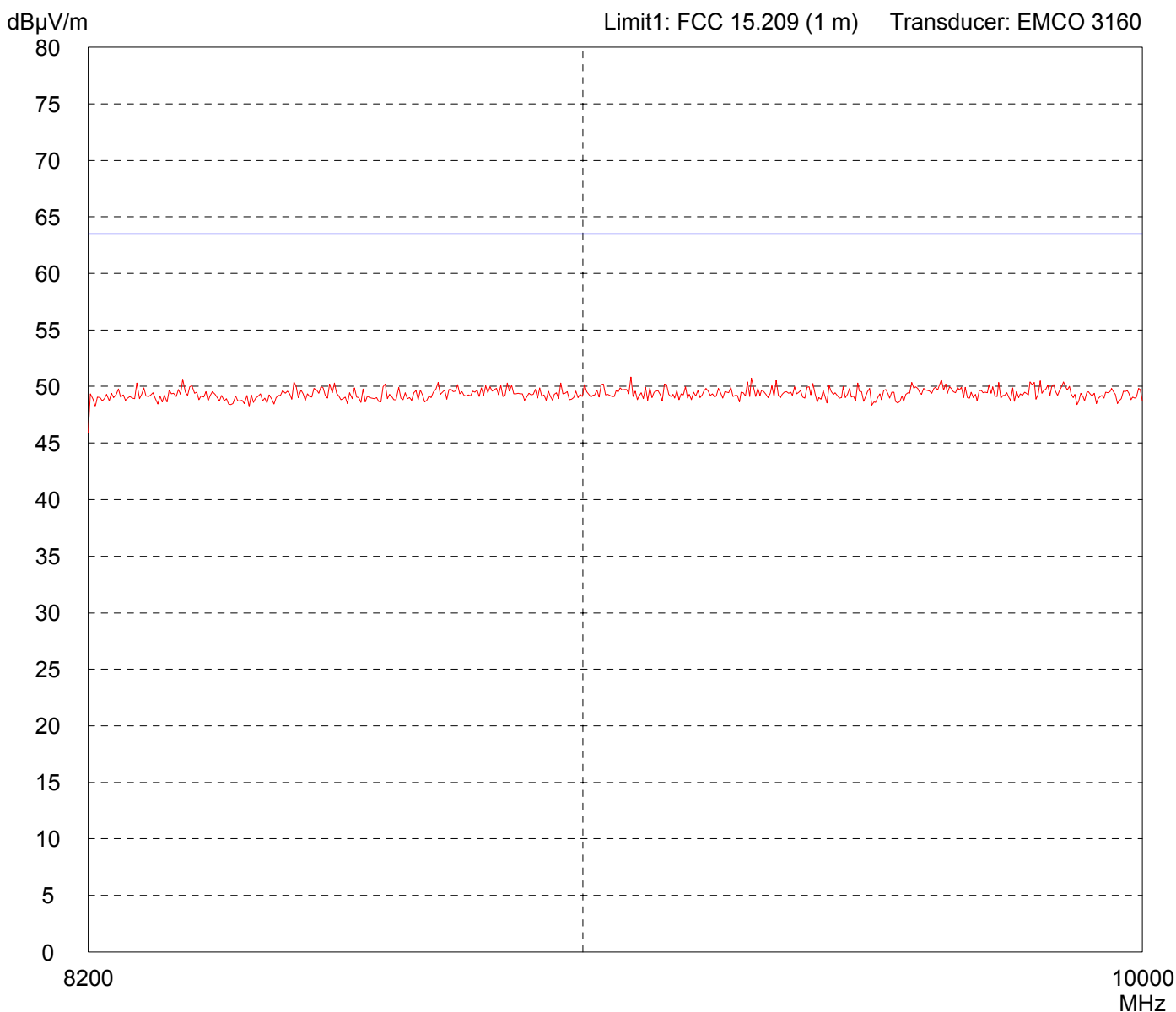


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Horizontal Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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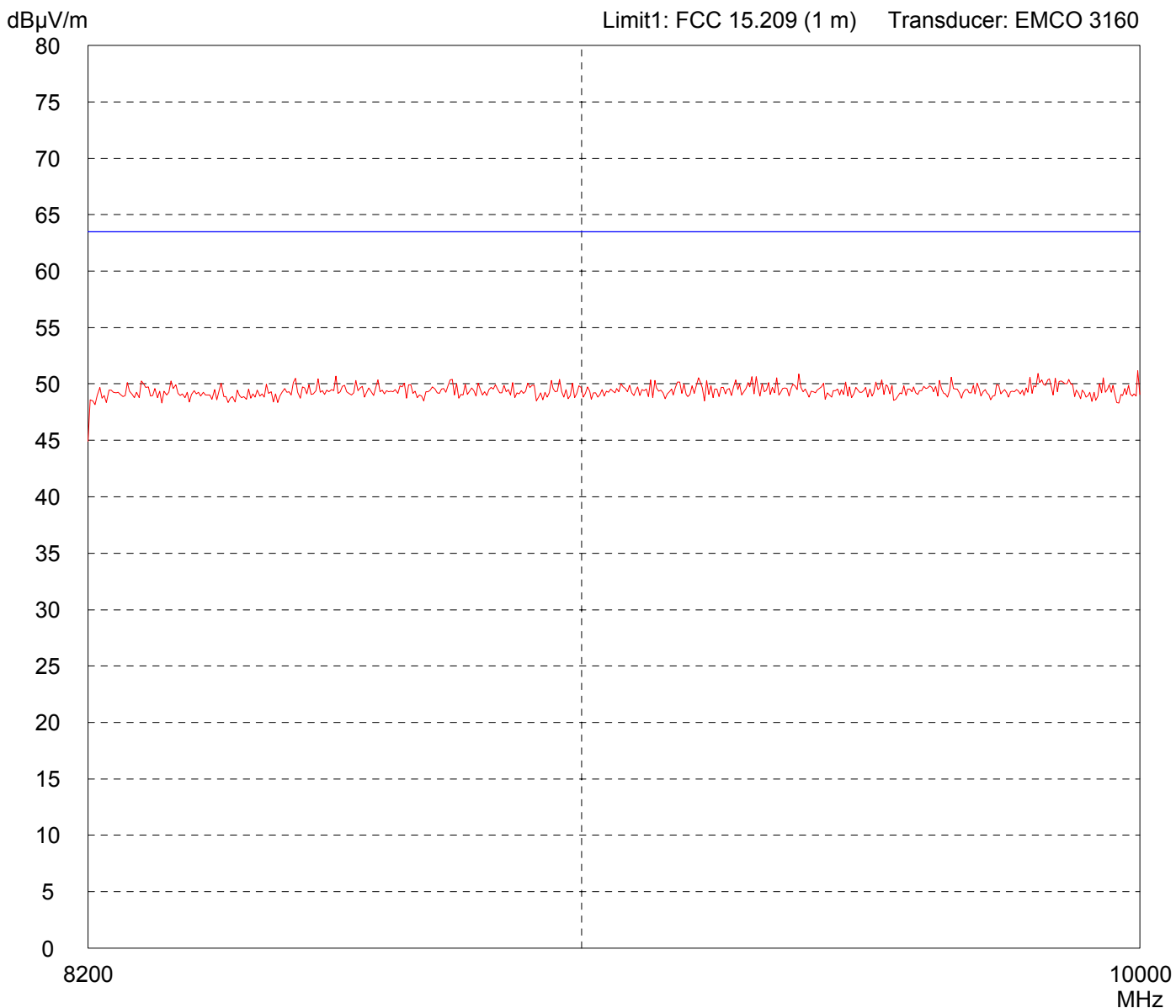


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Vertical Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 902.75 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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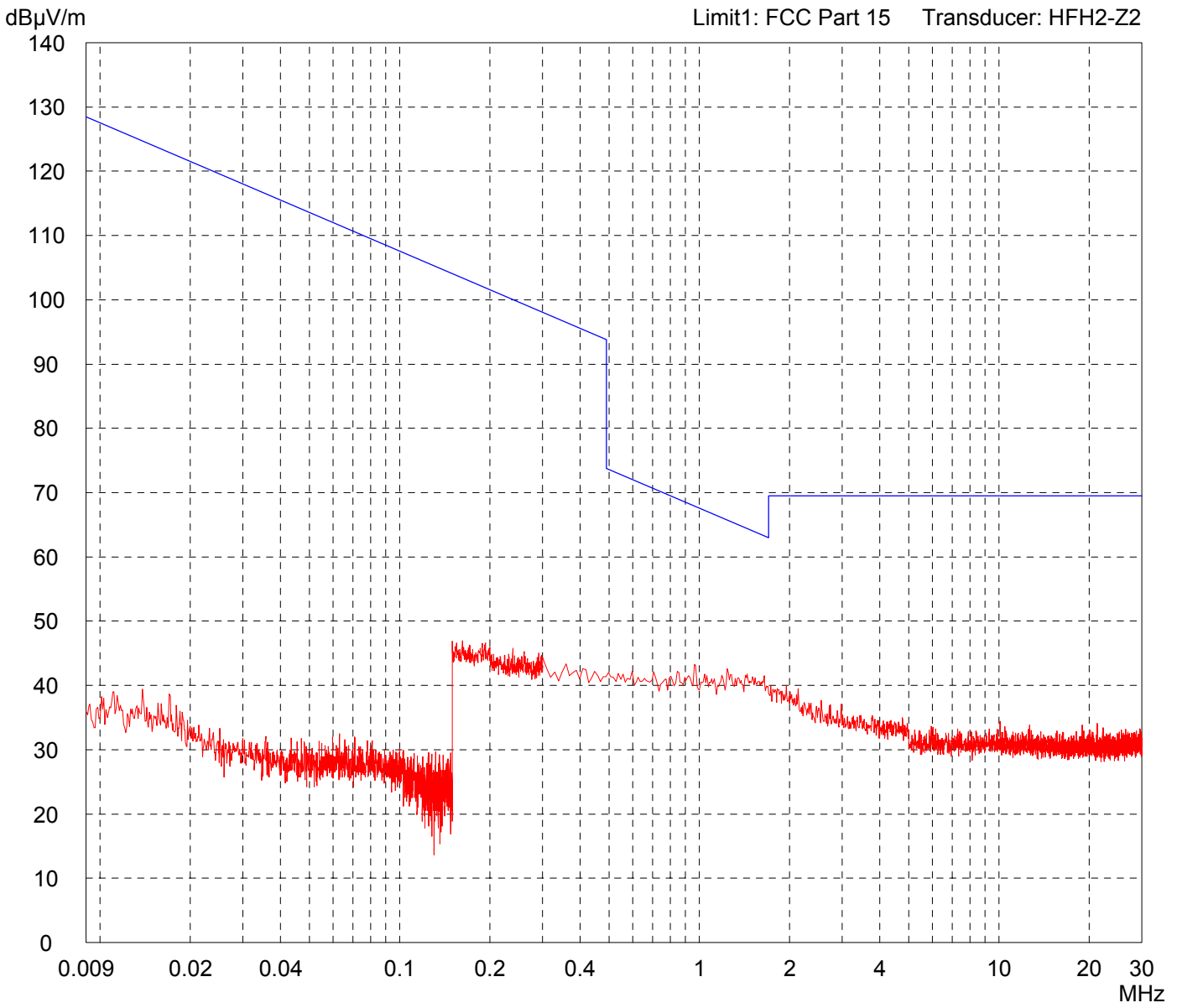
Radiated Emission Test 9 kHz - 30 MHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: by hand	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 915.25 MHz	
- Port: 2	
- With antenna ID.ISC.ANT.U100/75-FCC	
- With high pass filter	

Detector: Peak

List of values:	
10 dB Margin	50 Subranges



Result: Prescan

Project file: 50784-01257	Page of Pages
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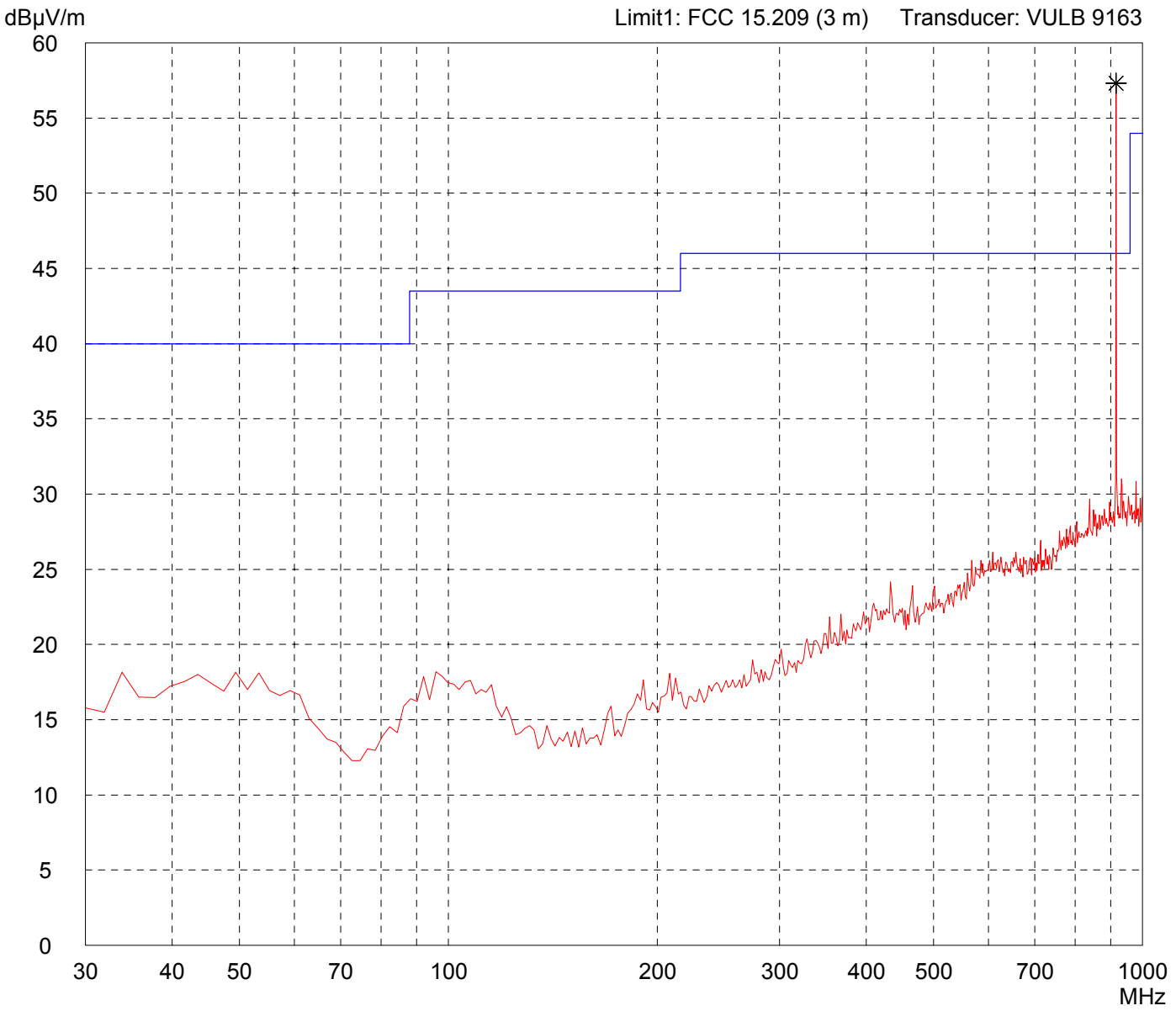
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 915.25 MHz	
- Port: 2	
- With antenna ID.ISC.ANT.U100/75-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	
10 dB Margin	50 Subranges



Result: Prescan

Project file: 50784-01257	Page of Pages
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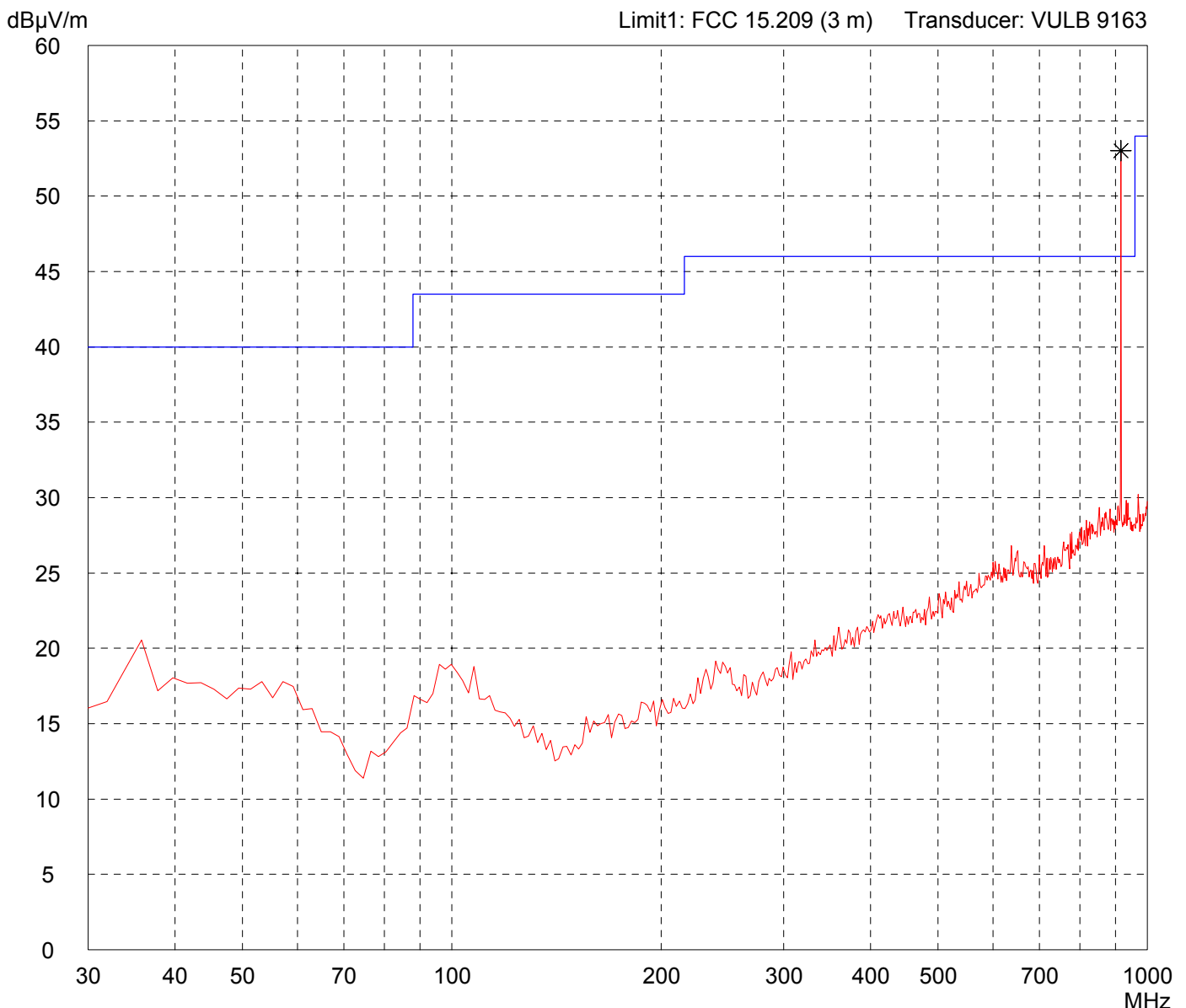
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 915.25 MHz	
- Port: 2	
- With antenna ID.ISC.ANT.U100/75-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-01257	Page of Pages
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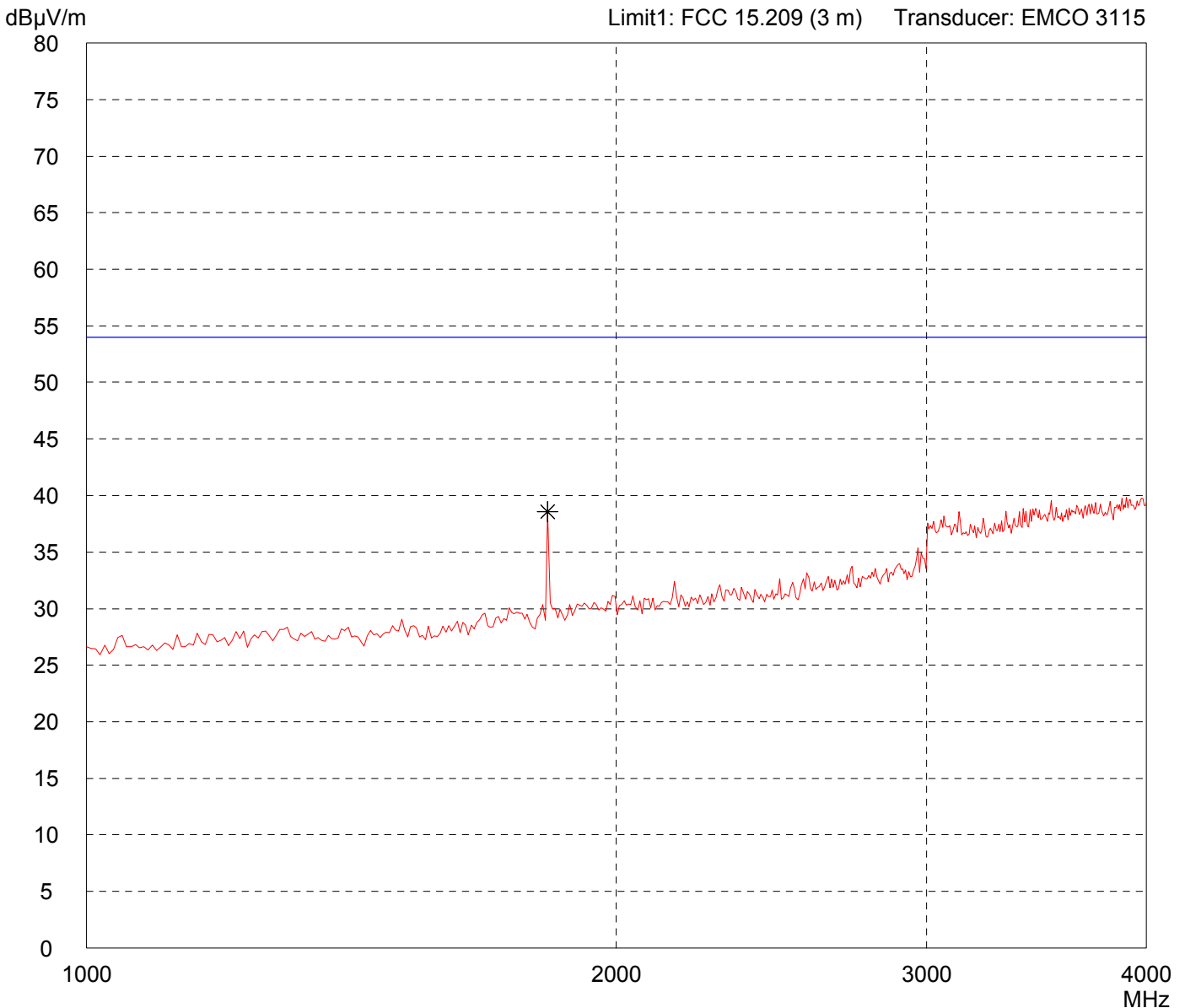
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
--

Detector: Peak

List of values: Selected by hand

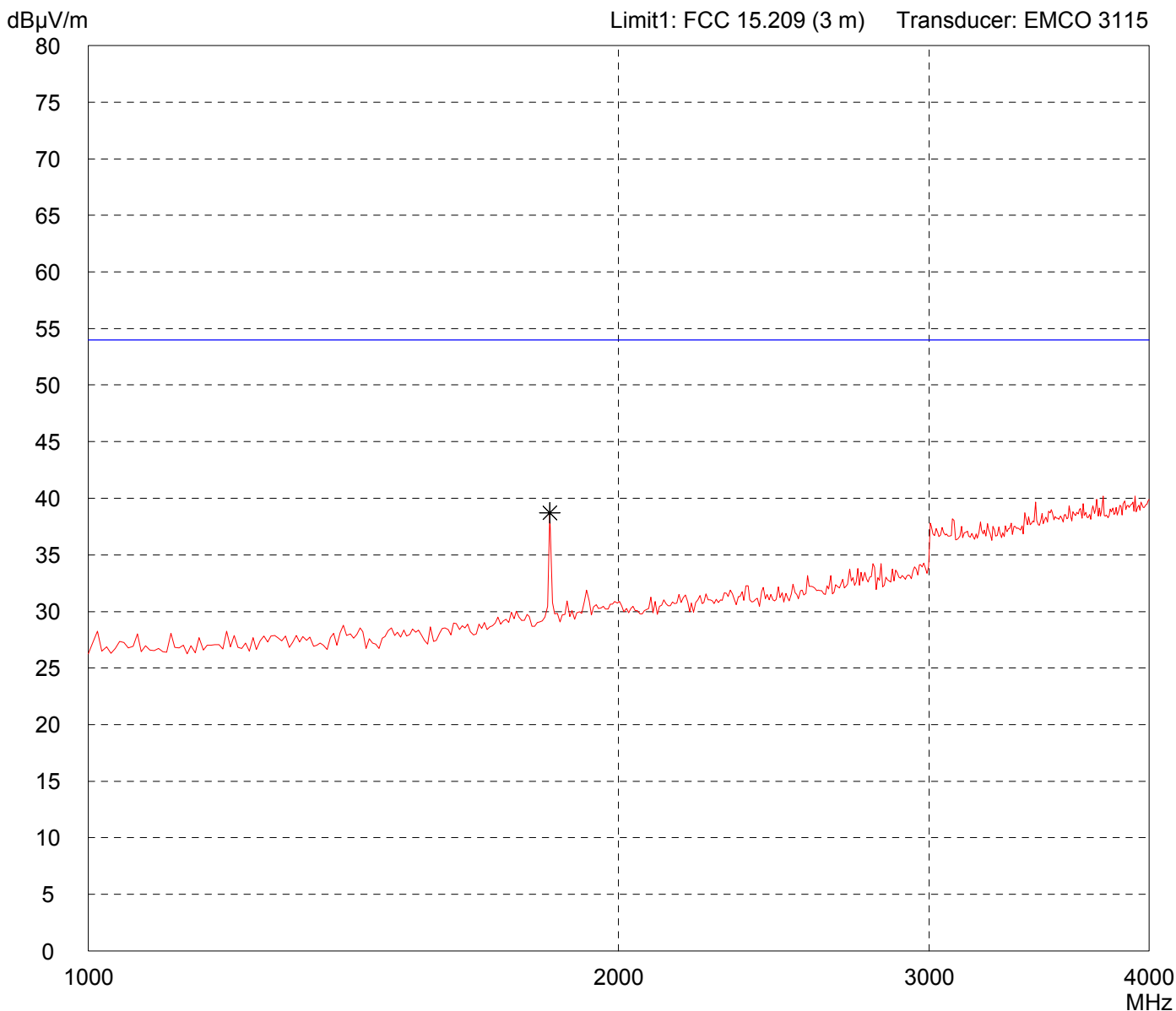


Result: Prescan

Project file: 50784-01257	Page of Pages
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Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi
Detector: Peak	List of values: Selected by hand

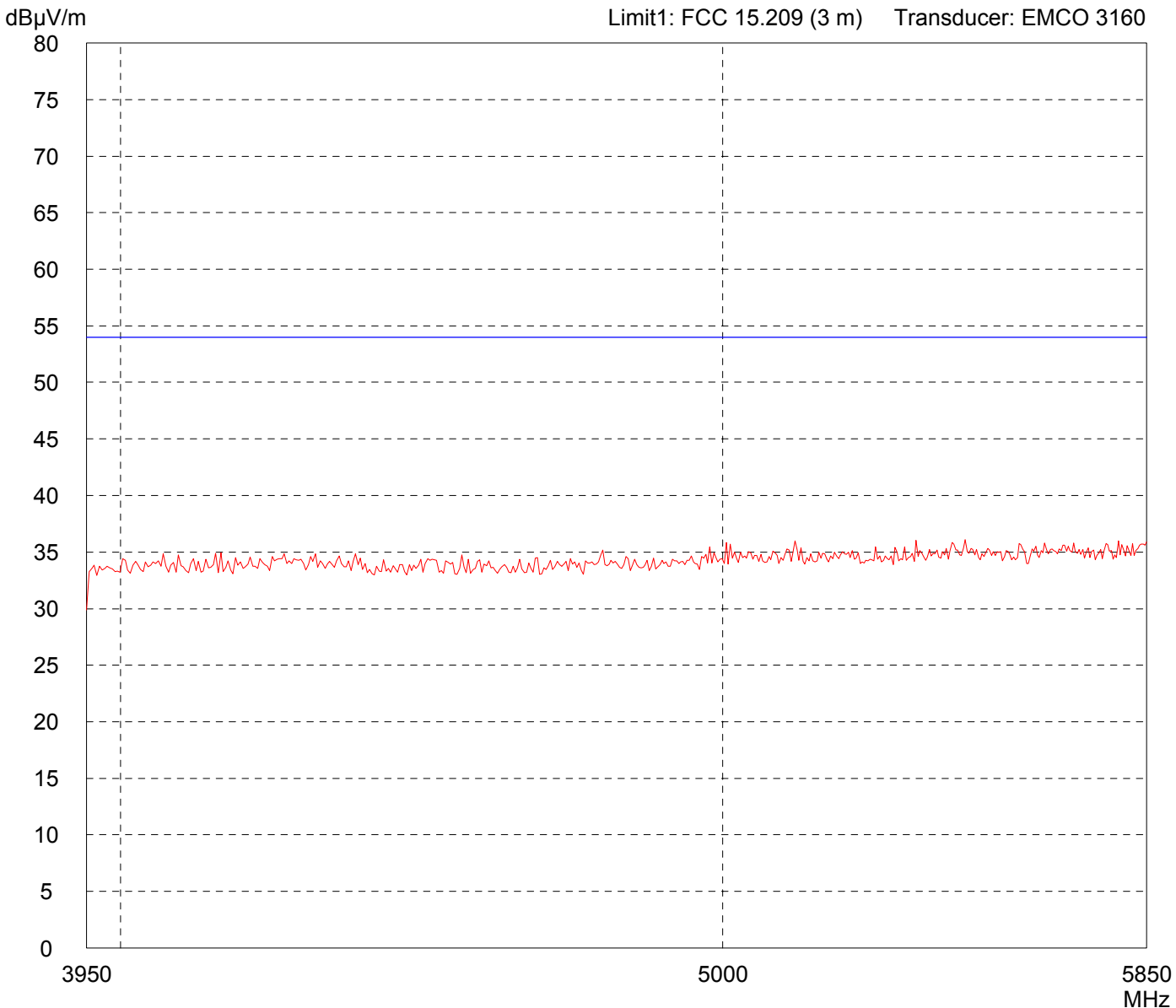


Result: Prescan	Project file: 50784-01257	Page of Pages
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Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Horizontal Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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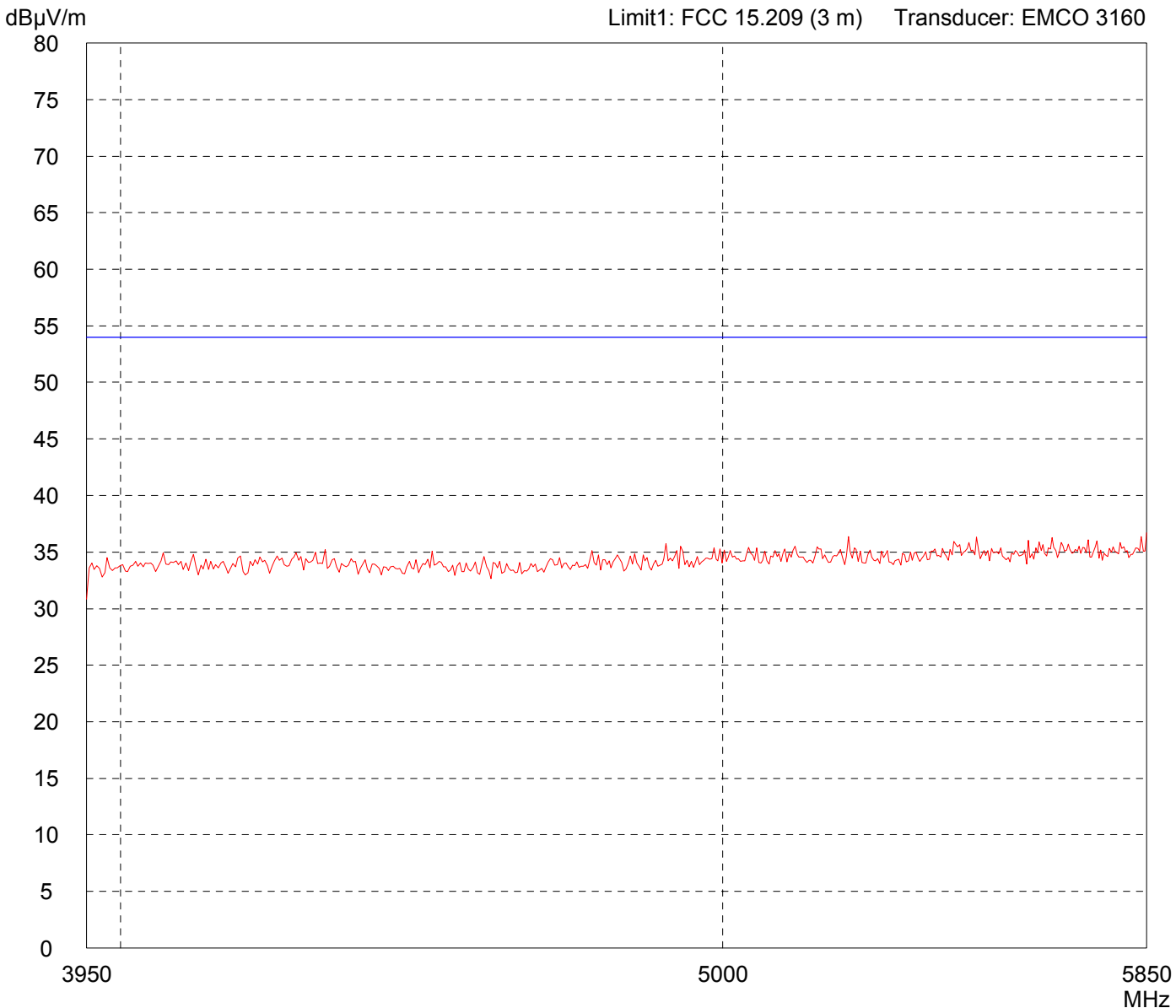


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Vertical Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
---	--

<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
----------------------------------	--

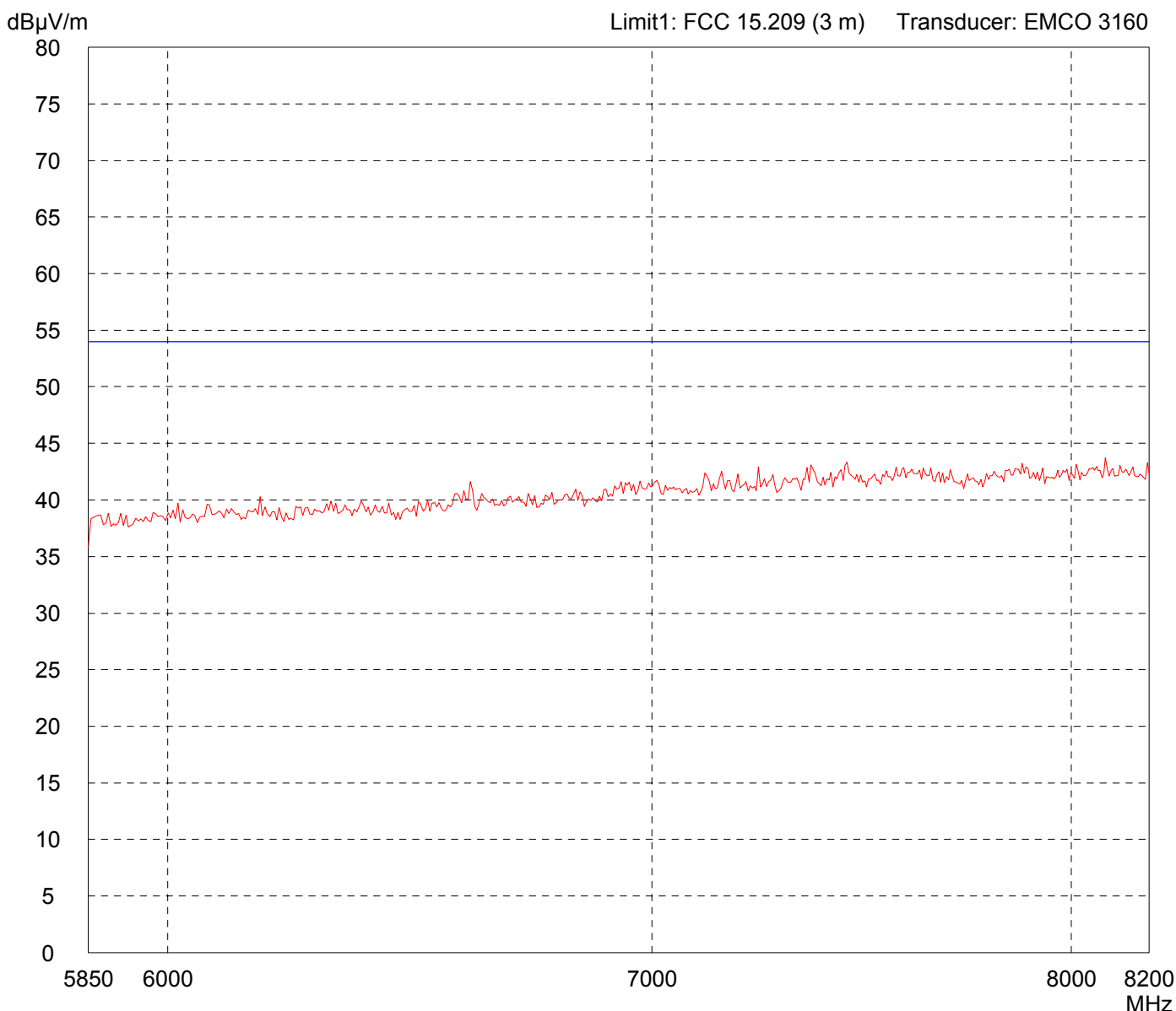


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Horizontal Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
---	--

<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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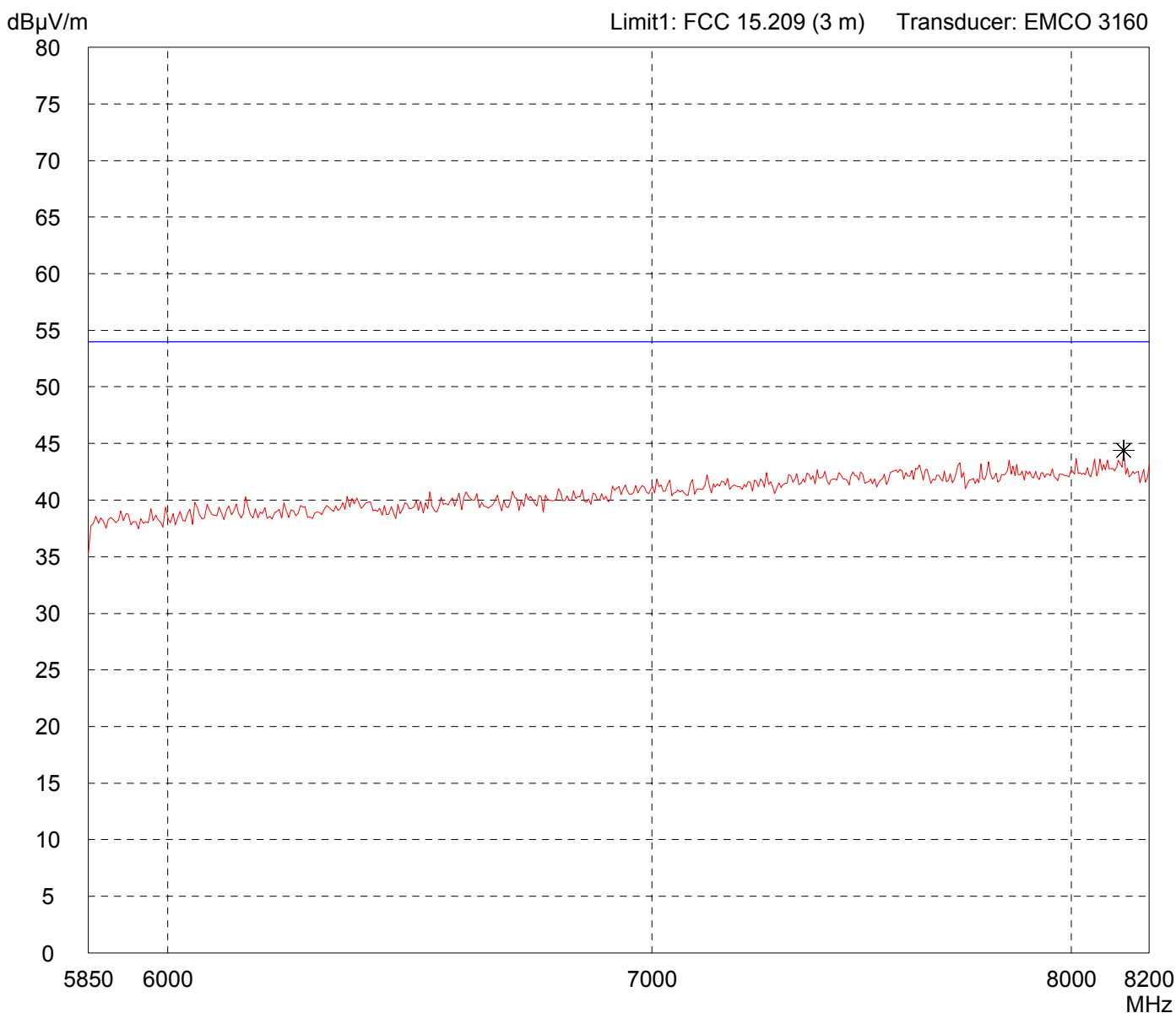


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Vertical Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
---	--

<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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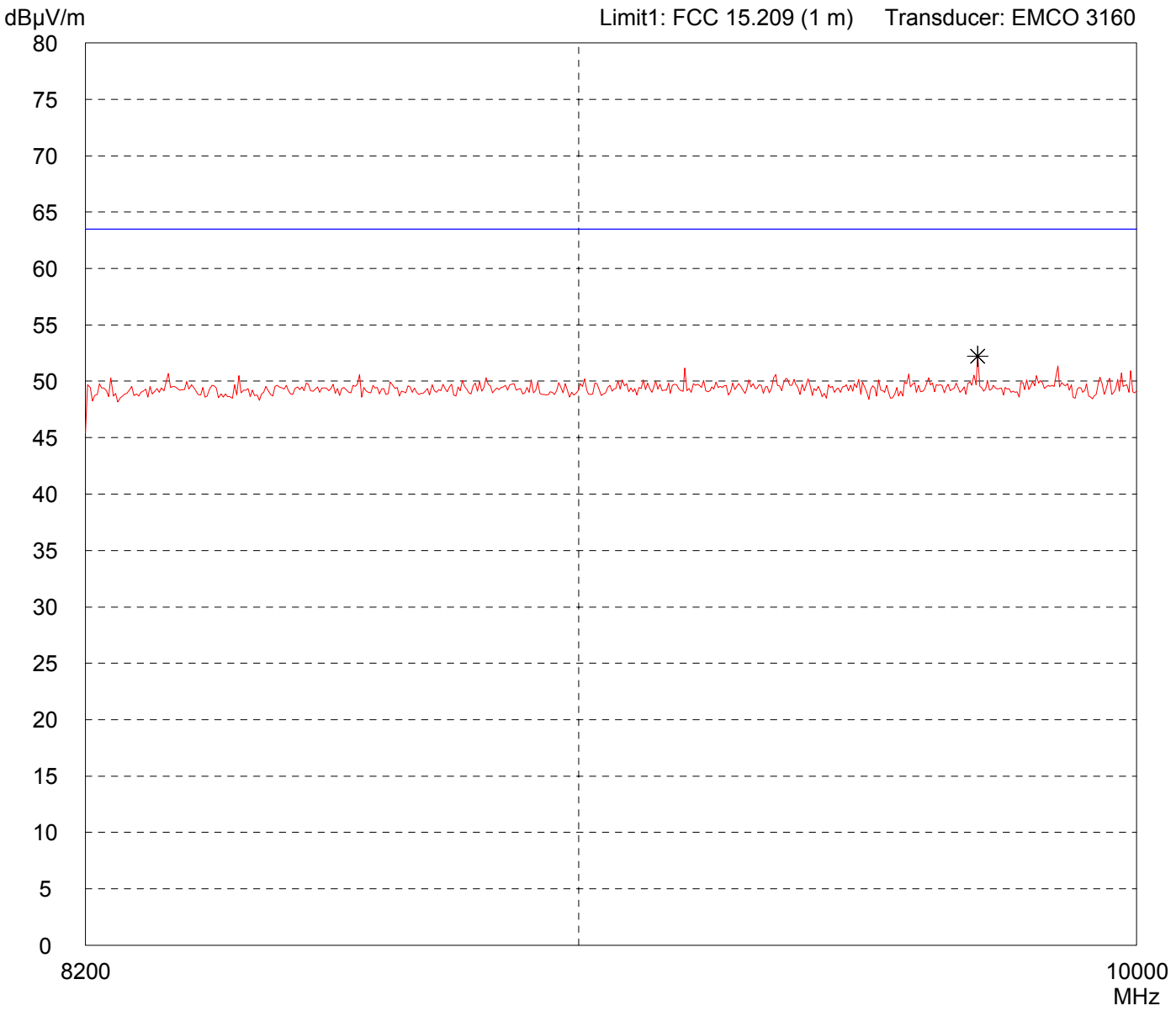
Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
--

Detector: Peak

List of values: Selected by hand



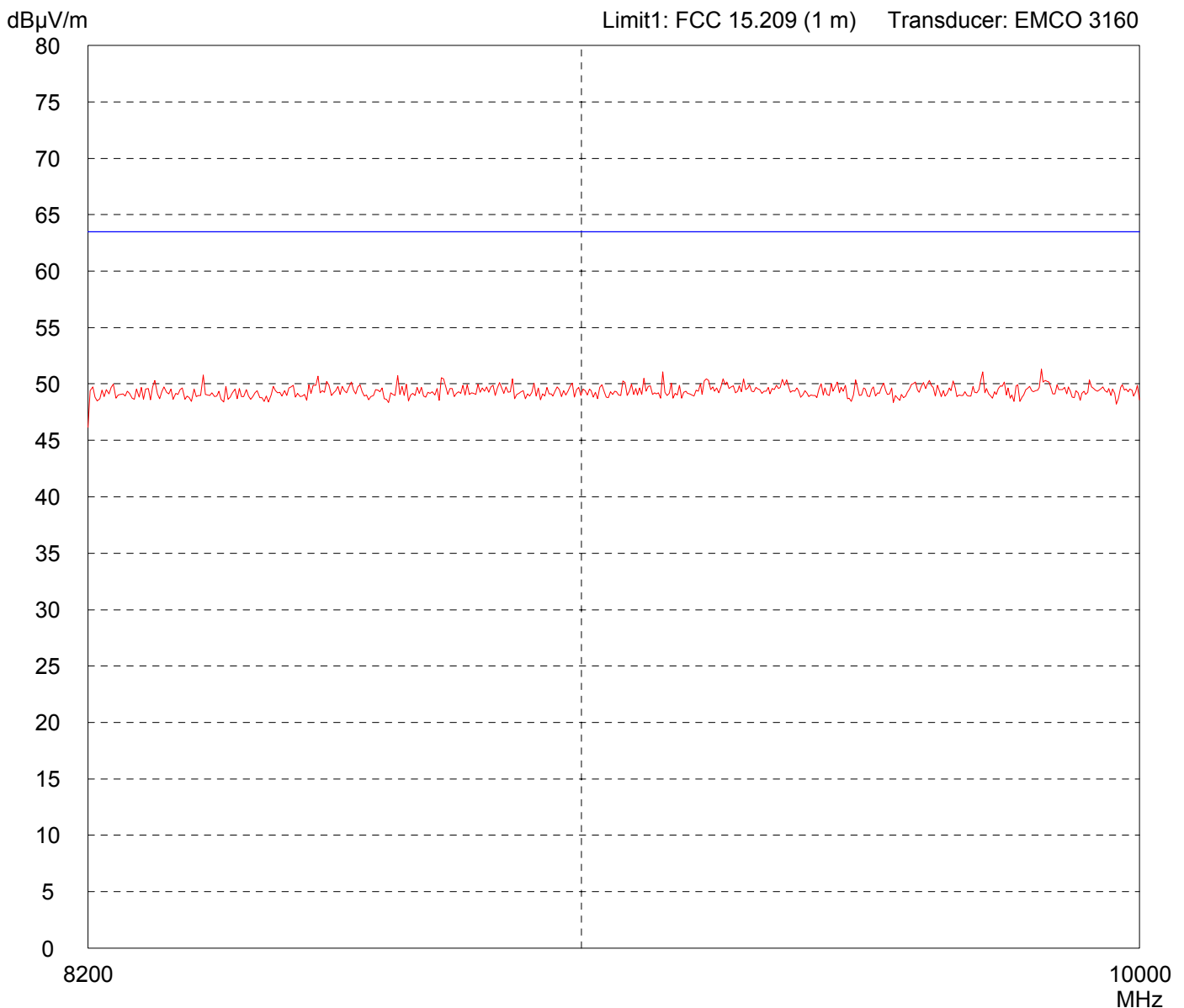
Result: Prescan

Project file: 50784-01257	Page of Pages
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Vertical Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 915.25 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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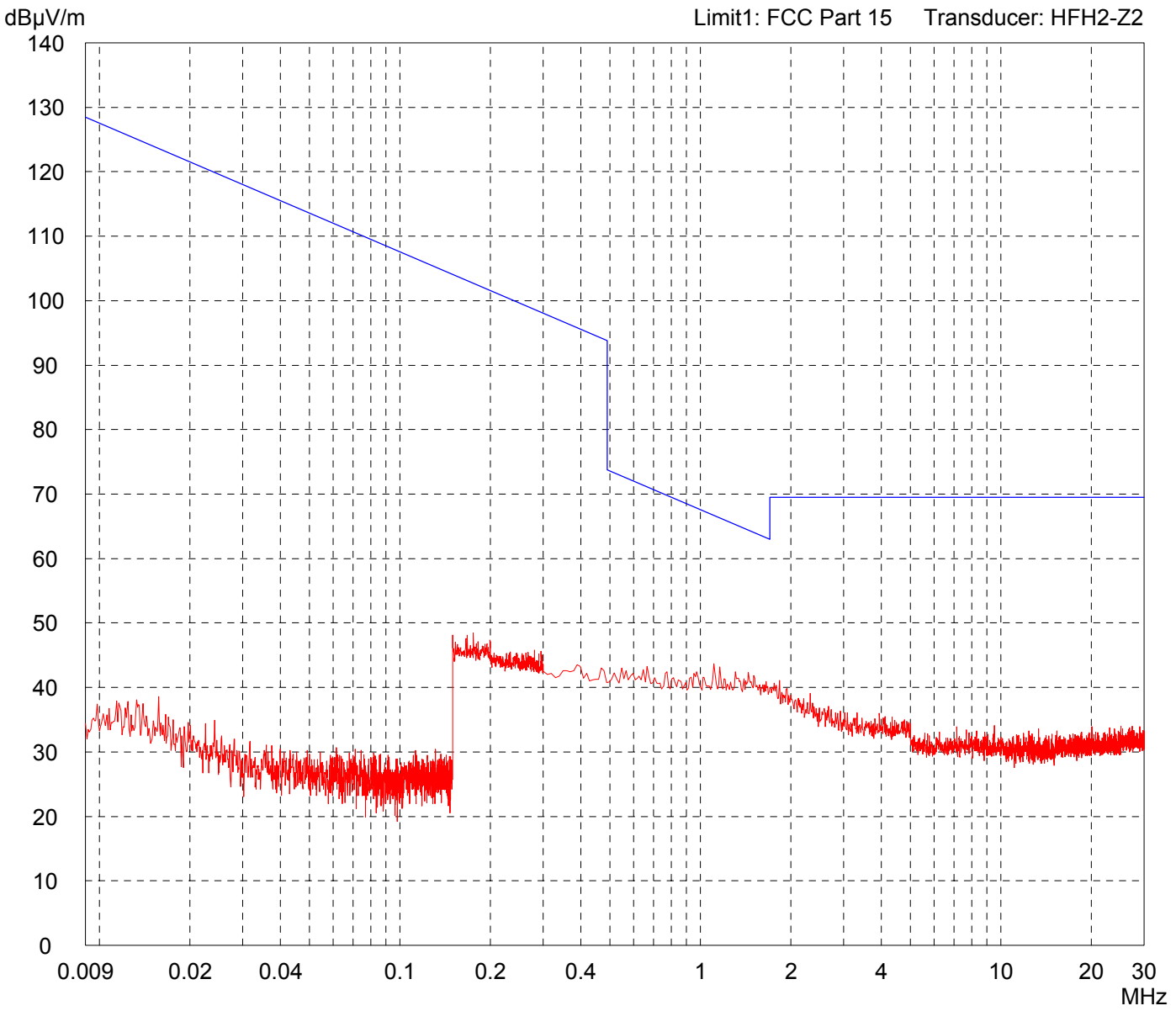
Radiated Emission Test 9 kHz - 30 MHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: by hand	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 927.25 MHz	
- Port: 2	
- With antenna ID.ISC.ANT.U100/75-FCC	
- With high pass filter	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-01257	Page of Pages
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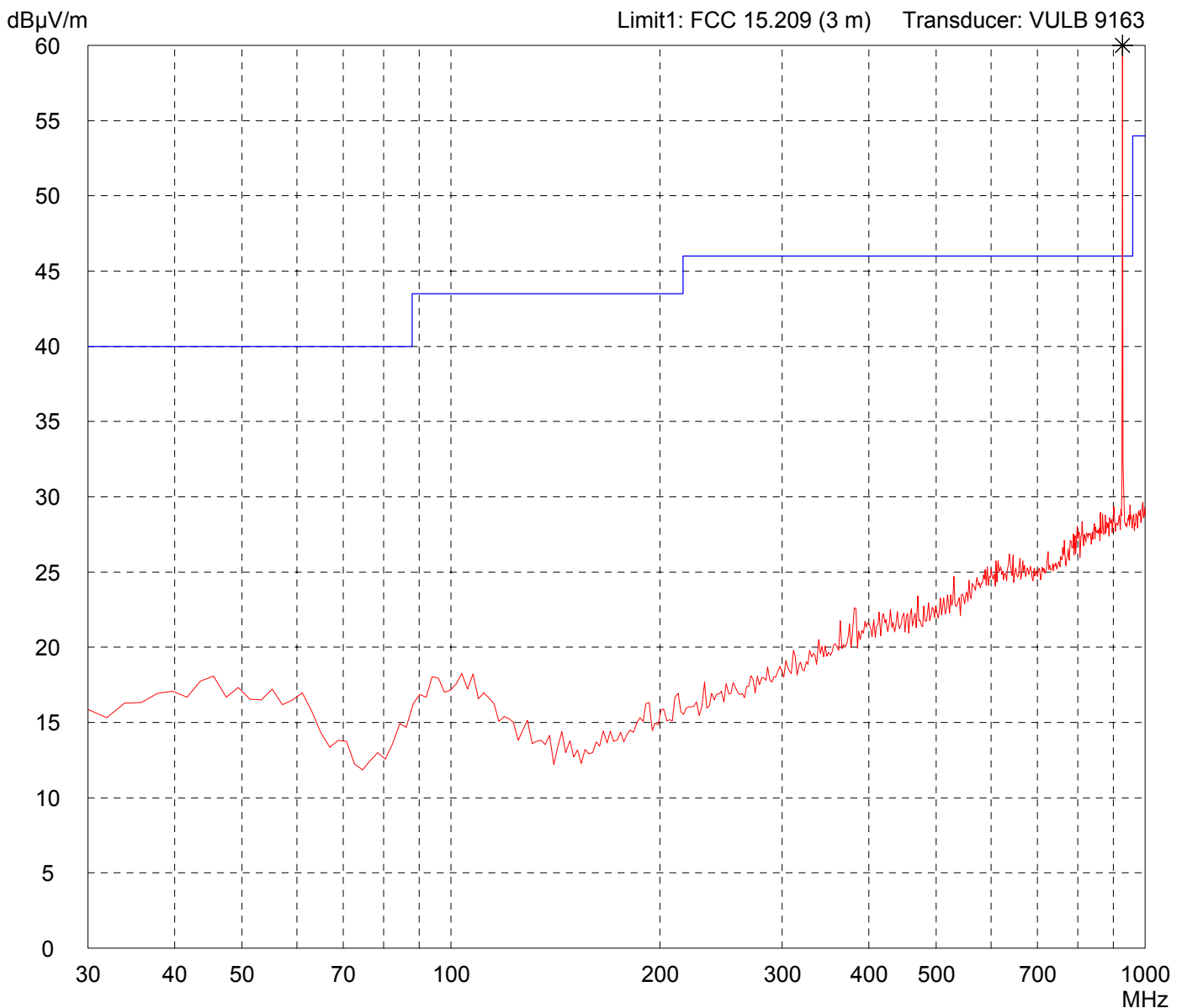
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 927.25 MHz	
- Port: 2	
- With antenna ID.ISC.ANT.U100/75-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	
10 dB Margin	50 Subranges



Result: Prescan

Project file: 50784-01257	Page of Pages
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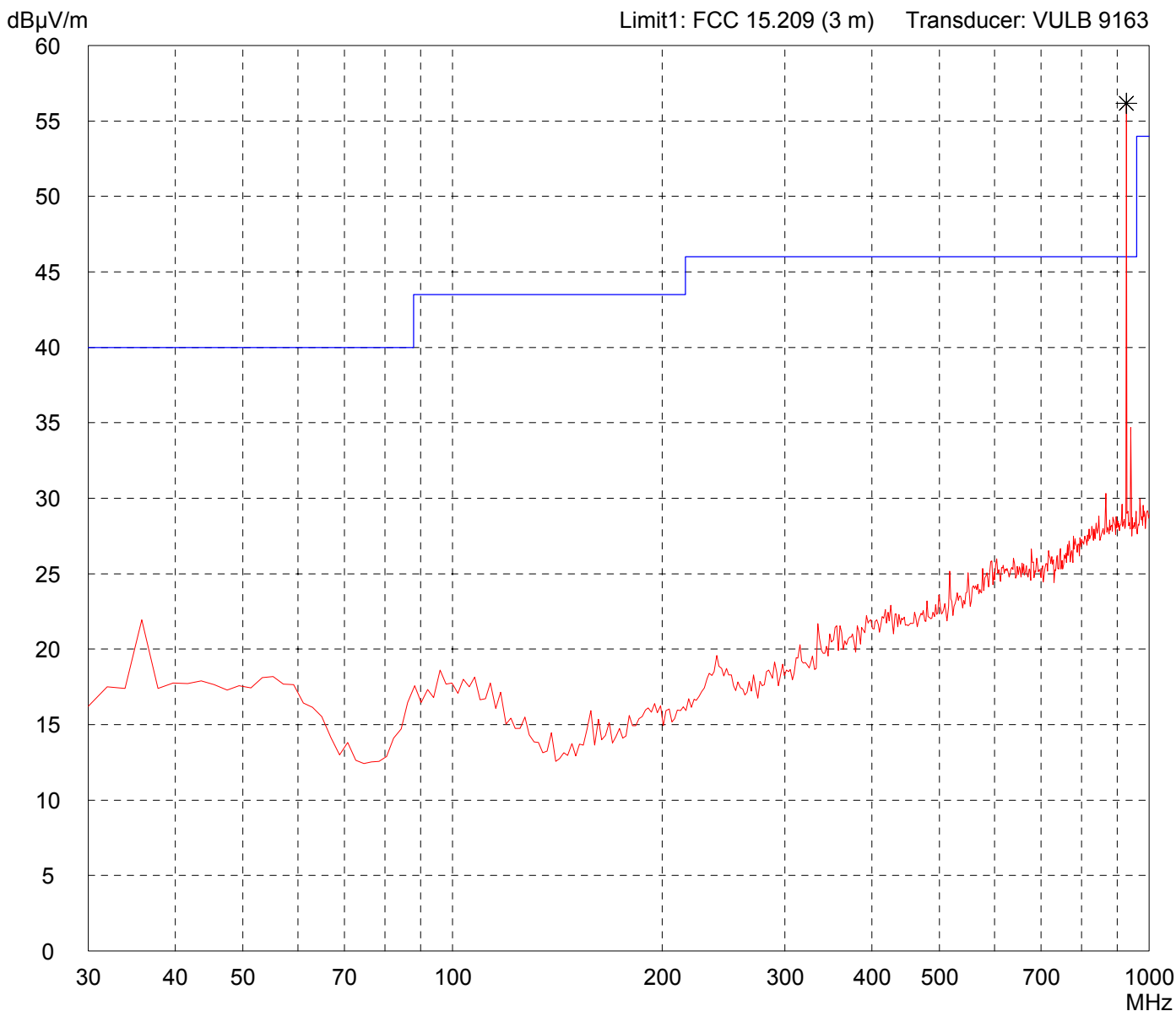
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply	
- Transmitting continuously with modulation	
- Frequency: 927.25 MHz	
- Port: 2	
- With antenna ID.ISC.ANT.U100/75-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-01257	Page of Pages
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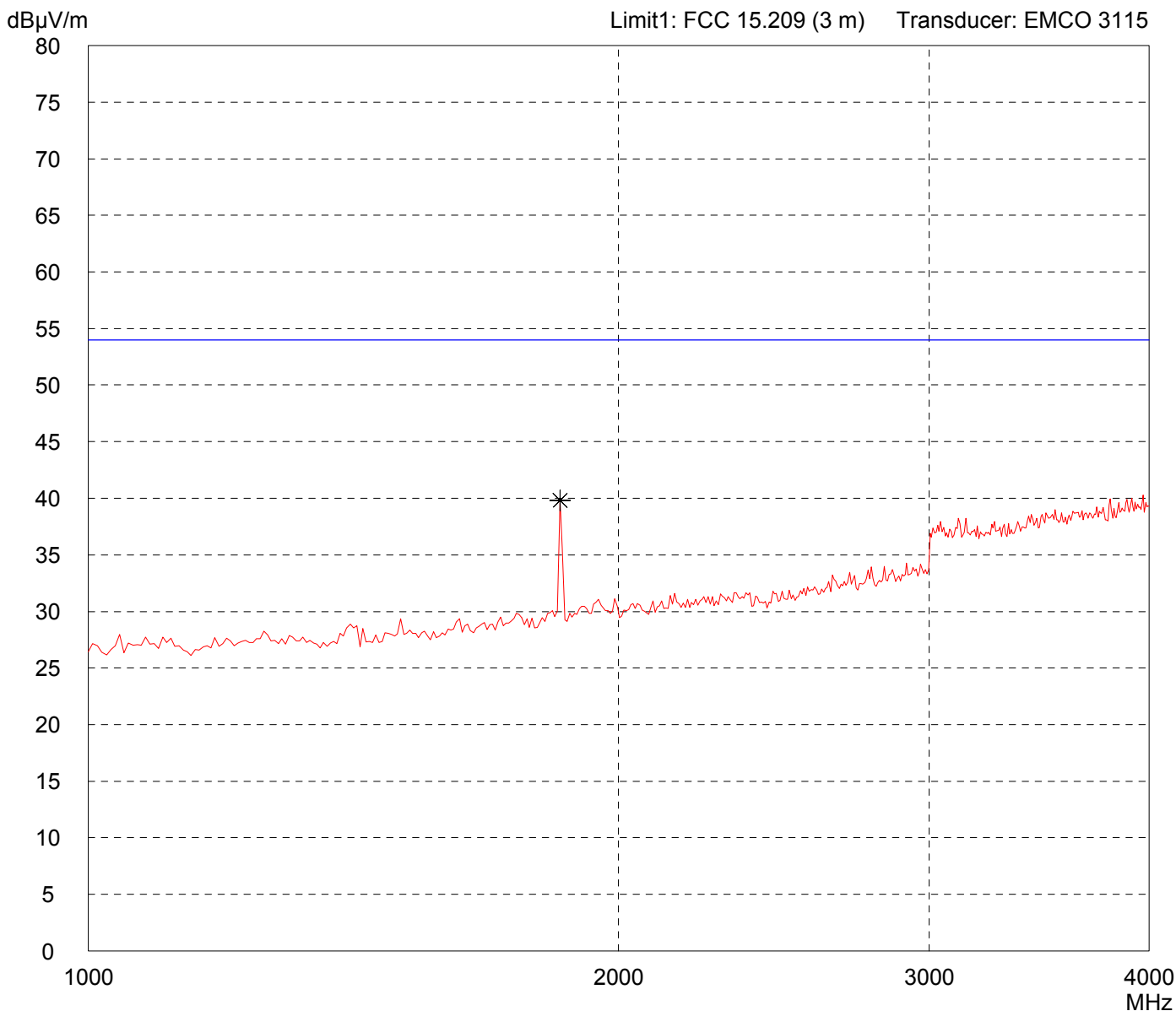
Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISC.MU02.02	
Serial no.:	
Applicant: Feig Electronic GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/13/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment: - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
--

Detector: Peak

List of values: Selected by hand



Result: Prescan

Project file: 50784-01257	Page of Pages
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Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

Model:
ID ISC.MU02.02

Serial no.:

Applicant:
Feig Electronic GmbH

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 metres
Vertical Polarization

Date of test:
01/13/2010

Operator:
M. Steindl

Test performed:
automatically

File name:
default.emi

Comment:

- 5 V external power supply
- Transmitting continuously with modulation
- Frequency: 927.25 MHz
- Port: 2
- With antenna ID.ISC.ANT.U100/75-FCC

- With high pass filter

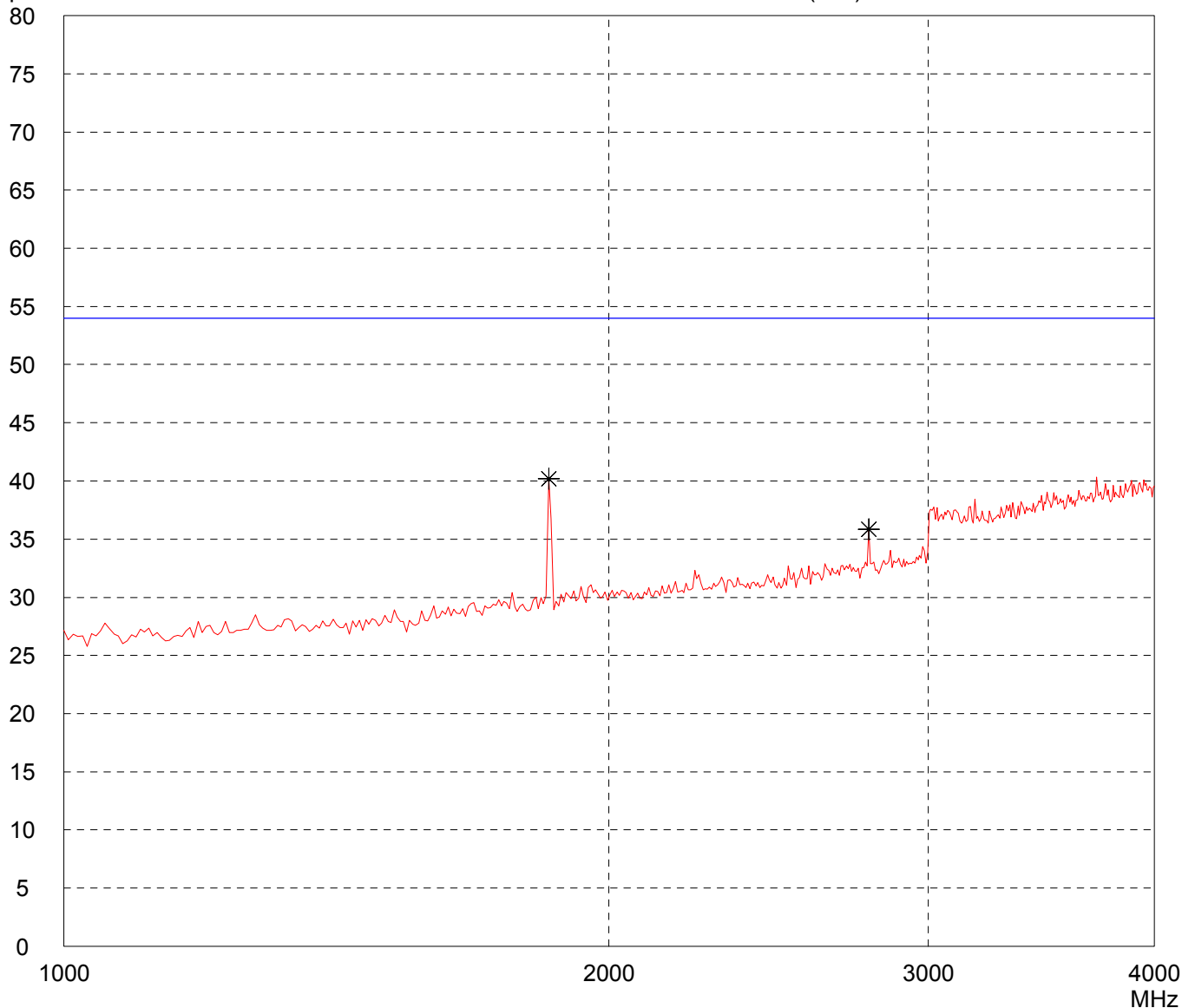
Detector:
Peak

List of values:
Selected by hand

dB μ V/m

Limit1: FCC 15.209 (3 m)

Transducer: EMCO 3115



Result:
Prescan

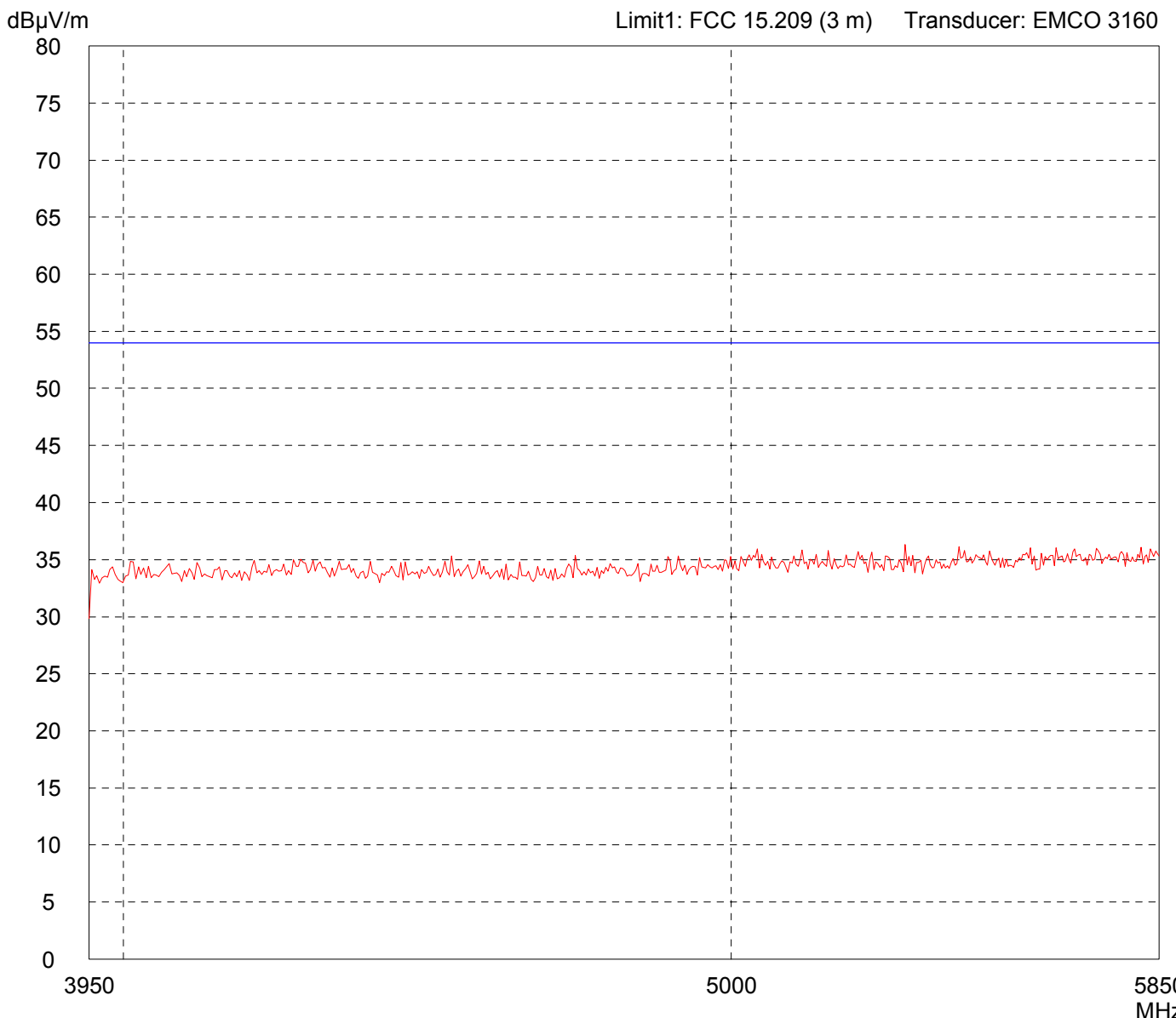
Project file:
50784-01257

Page of Pages

Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Horizontal Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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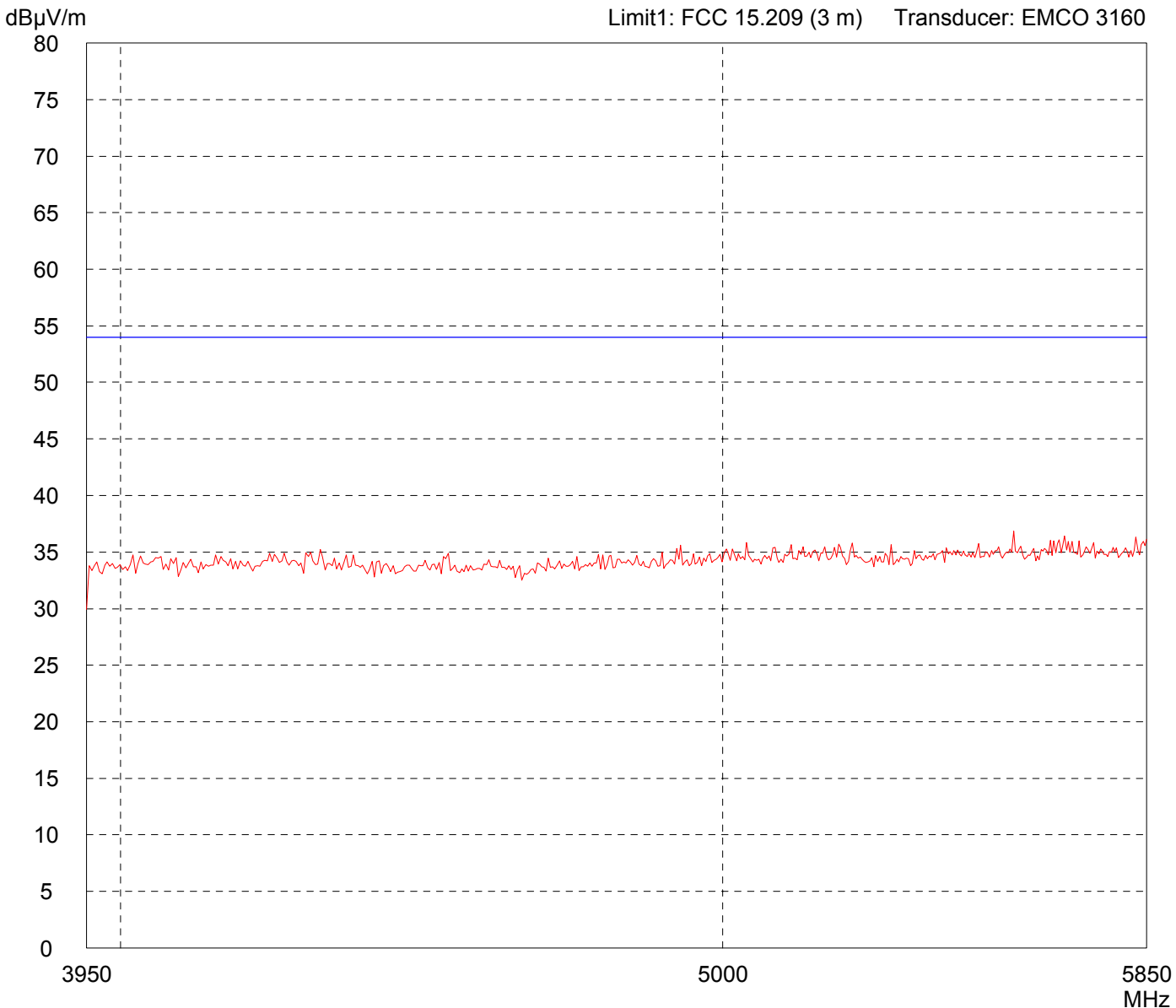


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 3.95 GHz - 5.85 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Vertical Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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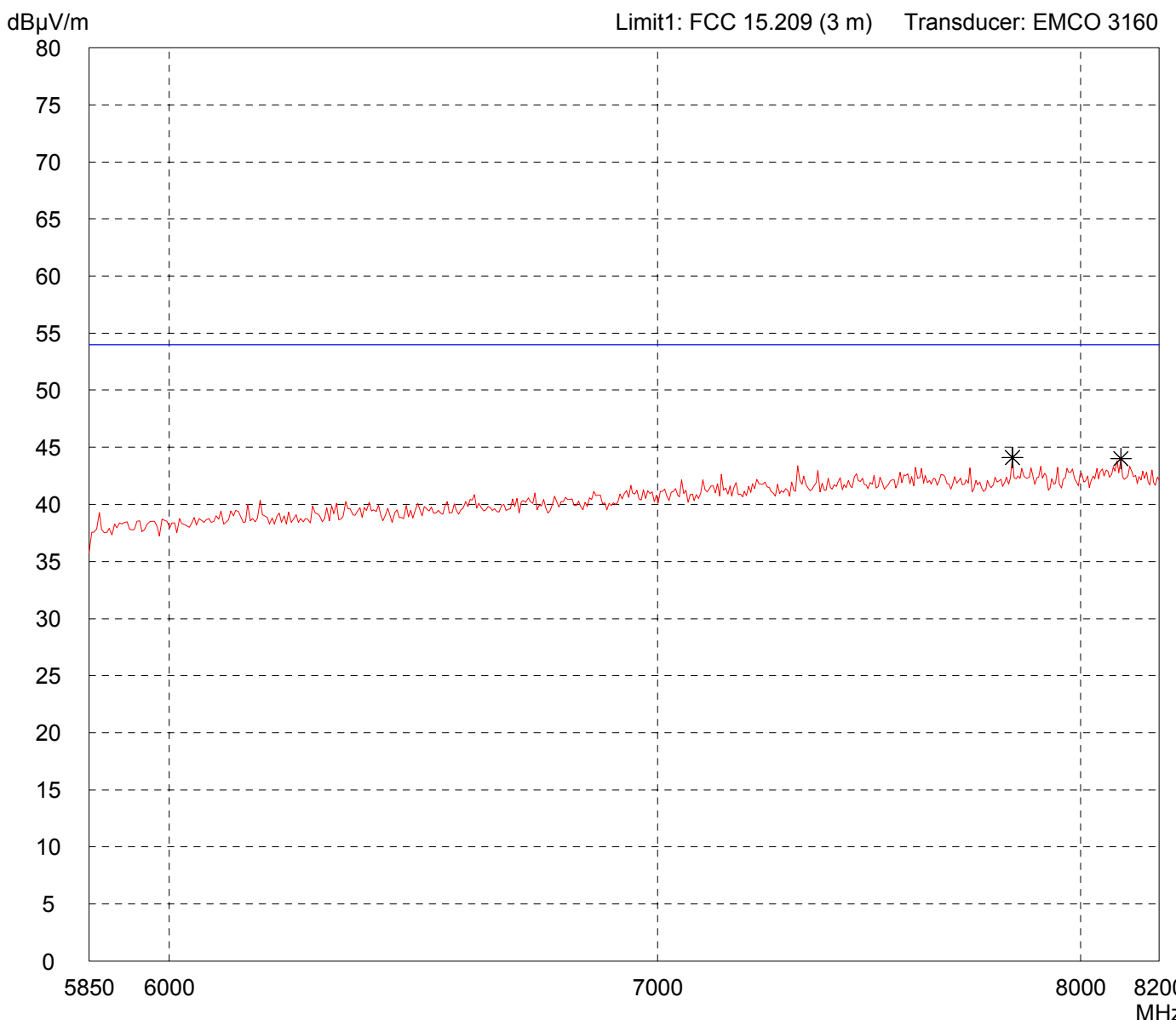


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Horizontal Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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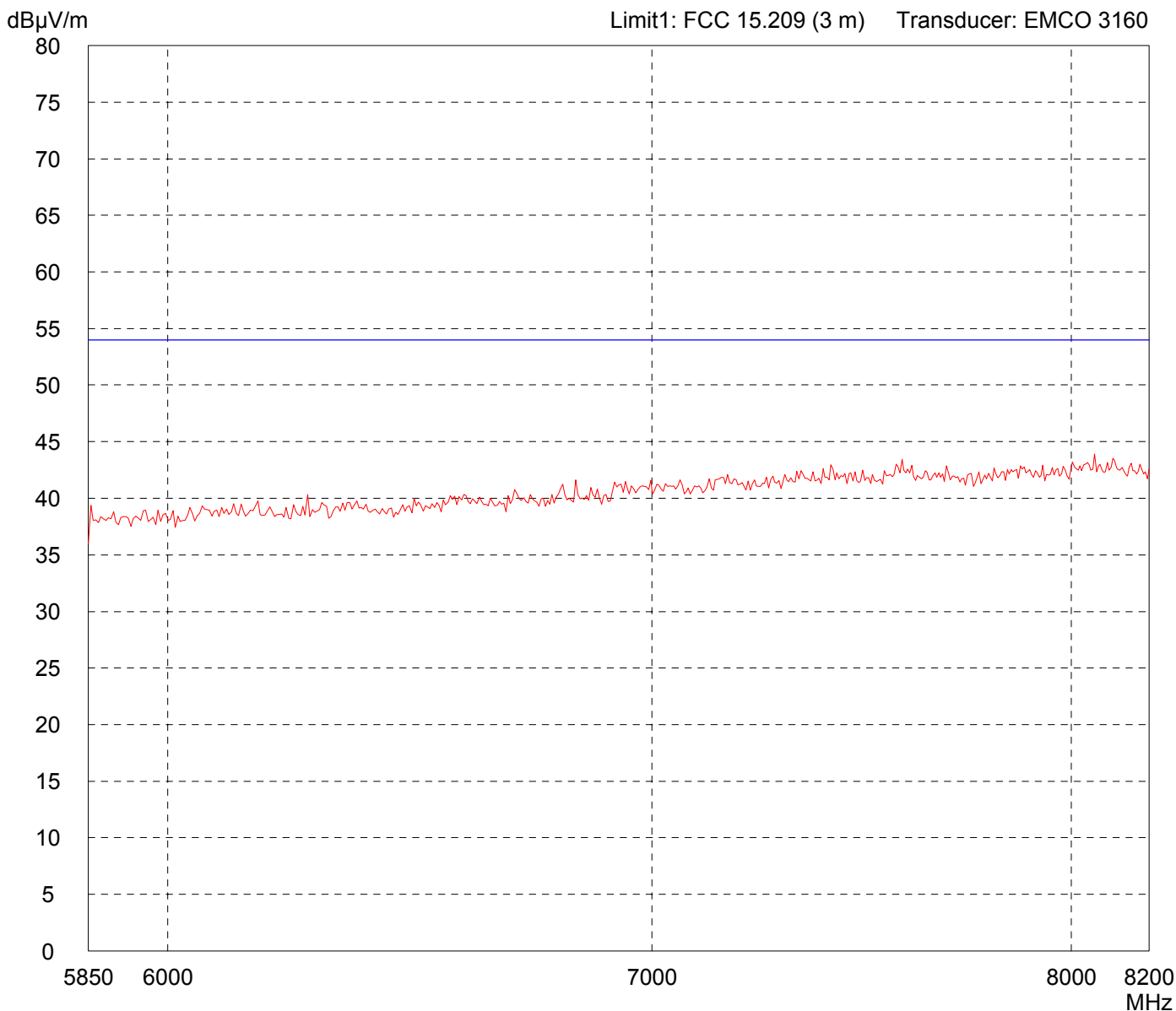


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 3 metres Vertical Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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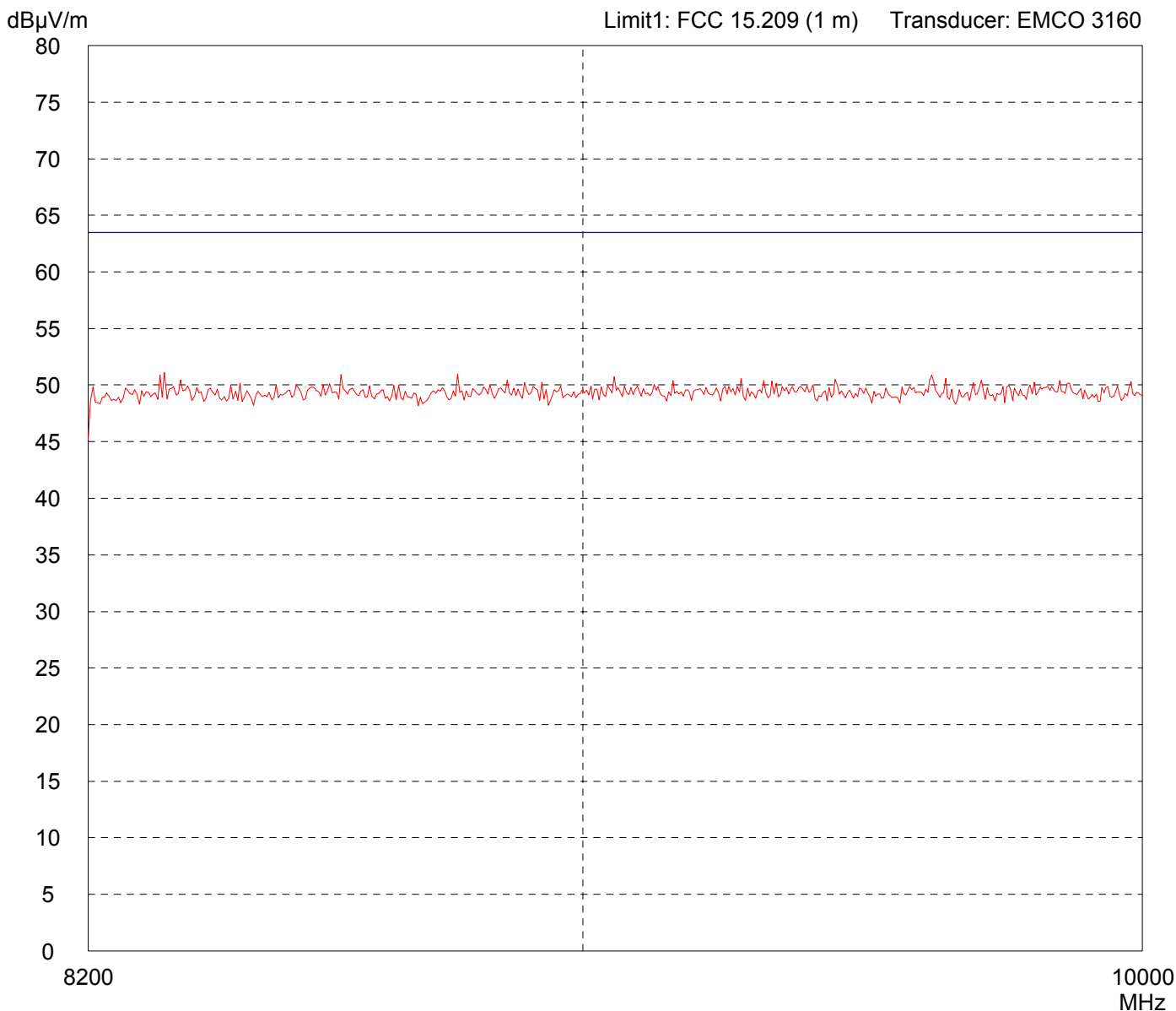


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Horizontal Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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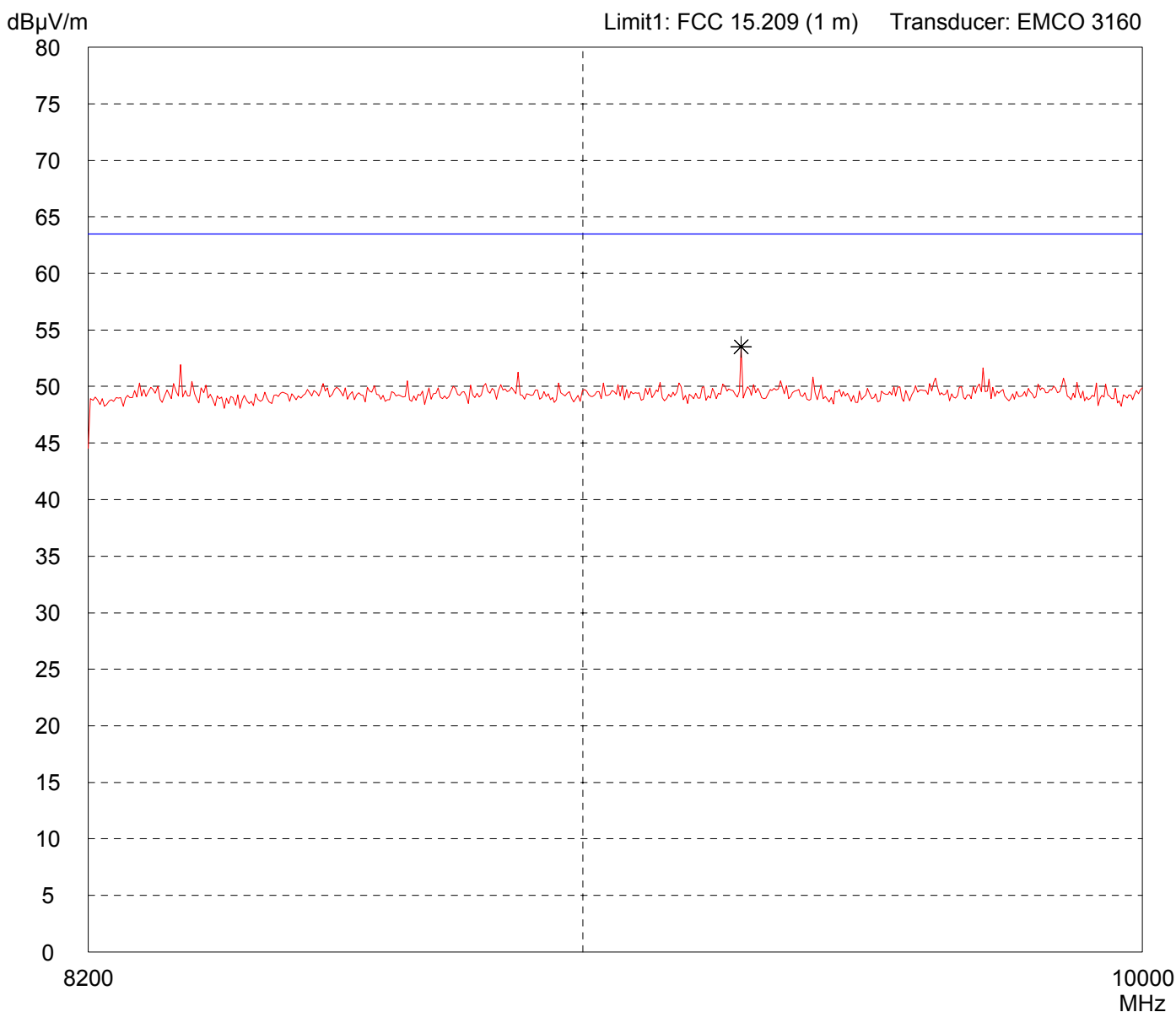


<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

<p>Model: ID ISC.MU02.02</p> <p>Serial no.:</p> <p>Applicant: Feig Electronic GmbH</p> <p>Test site: Fully anechoic room, cabin no. 2</p> <p>Tested on: Test distance 1 meter Vertical Polarization</p> <p>Date of test: 01/13/2010 Operator: M. Steindl</p> <p>Test performed: automatically File name: default.emi</p>	<p>Comment:</p> <ul style="list-style-type: none"> - 5 V external power supply - Transmitting continuously with modulation - Frequency: 927.25 MHz - Port: 2 - With antenna ID.ISC.ANT.U100/75-FCC - With high pass filter
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<p>Detector: Peak</p>	<p>List of values: 10 dB Margin 50 Subranges</p>
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<p>Result: Prescan</p>	<p>Project file: 50784-01257</p> <p style="text-align: right;">Page of Pages</p>
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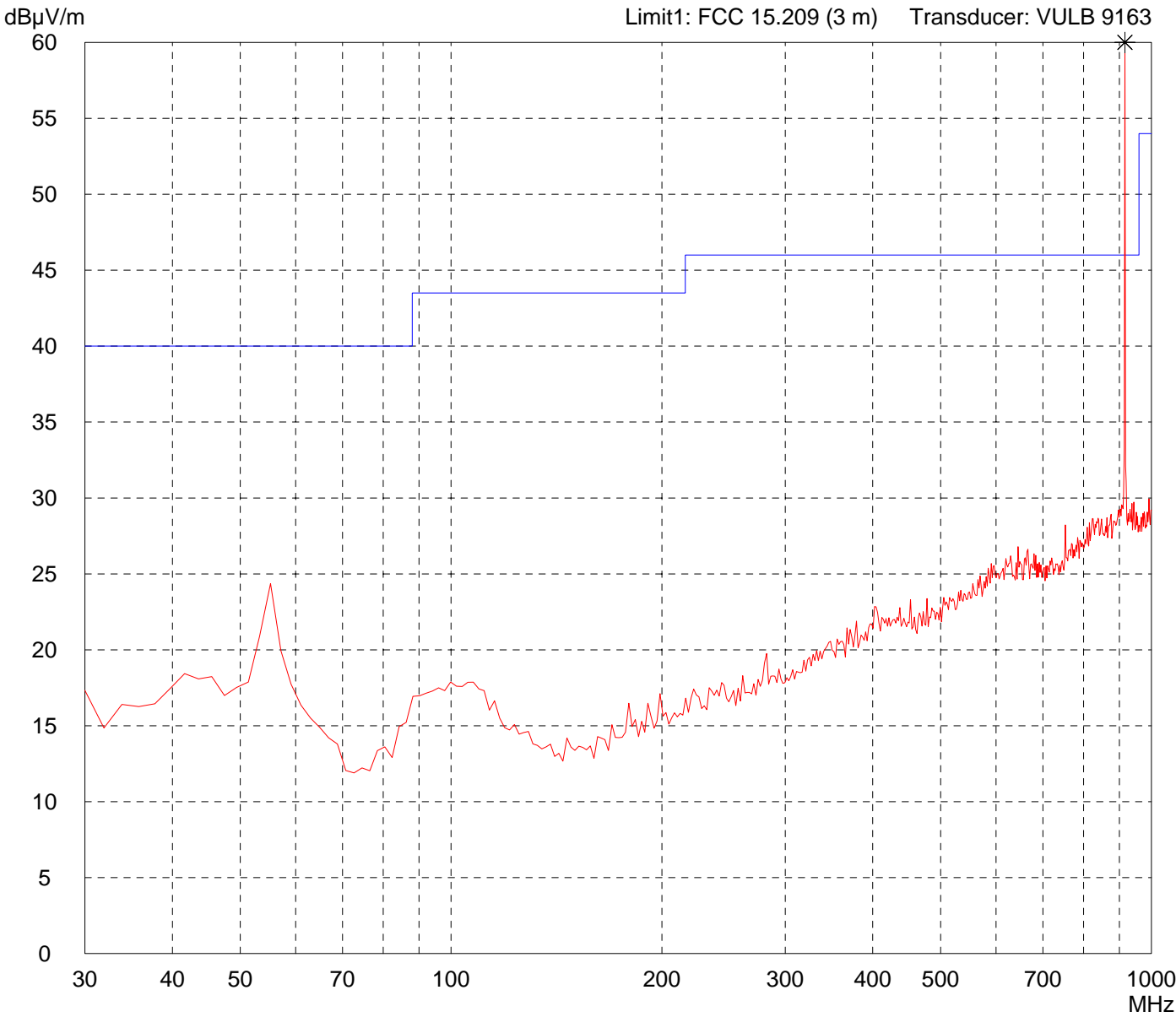
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 02/23/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply over USB	
- Transmitting continuously with modulation	
- Frequency: 915.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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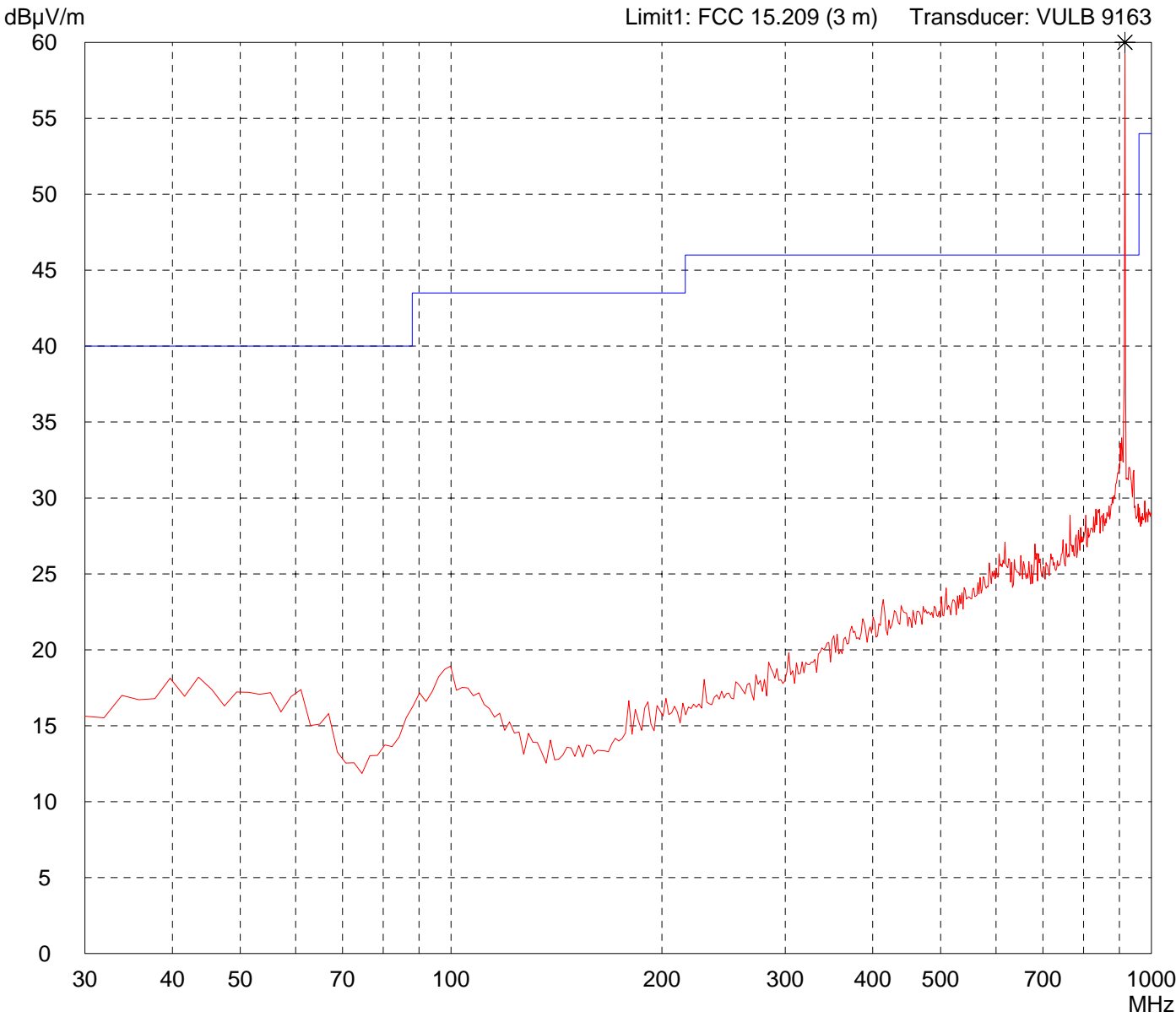
Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model: ID ISCMU0202-FCC	
Serial no.:	
Applicant: FEIG ELECTRONIC GmbH	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 02/23/2010	Operator: M. Steindl
Test performed: automatically	File name: default.emi

Comment:	
- 5 V external power supply over USB	
- Transmitting continuously with modulation	
- Frequency: 915.25 MHz	
- With antenna ID ISC.ANT.U170/170-FCC	
- With notch filter set to carrier frequency	

Detector: Peak

List of values:	50 Subranges
10 dB Margin	



Result: Prescan

Project file: 50784-00618-3	Page of Pages
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