Senton GmbH
Aeussere Fruehlingstrasse 45
D-94315 Straubing

Straubing, 17 October 2008

T E S T - R E P O R T

No. 55147-081184-1 (Edition 1)

for

FordWorks

NIT

Applicant:	Fakt S.r.l.
Test Specifications:	FCC Code of Federal Regulations, CFR 47, Part 15, Sections 15.107, 15.109, 15.205, 15.207, 15.215 and 15.247 Industry Canada Radio Standards Specifications RSS-Gen Issue 2, Sections 7.2.2, 7.2.3 and RSS-210 Issue 7, Sections 2.2, A8 (Category I Equipment)

Table of Contents

1 Description of the Equipment Under Test (EUT)

General data of EUT	
Type designation[1]:	FordWorks
Parts[2]:	
Serial number(s):	Prototype 23/09/2008
Manufacturer:	Magneti Marelli S.p.A.
Type of equipment:	NIT
Version:	As delivered
FCC ID:	N/A
Additional parts/accessories:	

Technical data of EUT	
Application frequency range:	2400 - 2483.5 MHz
Frequency range:	2400 – 2483.5 MHz
Operating frequency:	For Test Prurposes only: 2402 MHz, 2440 MHz, 2480 MHz
Type of modulation:	FHSS
Pulse train:	N/A
Pulse width:	N/A
Number of RF-channels:	79
Channel spacing:	1 MHz
Designation of emissions[3]:	
Type of antenna:	Integrated (Temporary antenna connector for test purpose)
Size/length of antenna:	PC B Track
Connection of antenna:	☐ detachable ☒ not detachable
Type of power supply:	Battery supply (Vehicle operation only)
Specifications for power supply:	nominal voltage: 12.0 V minimum voltage: 10.8 V maximum voltage: 13.2 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):	Fakt S.r.l. Via Lithos, 53 I - 25086 Rezzato (BS)
Contact person:	Nicola Scartapacchio
Contract identification:	Verbal Order
Receipt of EUT:	23 September 2008
Date(s) of test:	30 September 2008
Note(s):	

Report details	
Report number:	55147-081184-1
Edition:	1
Issue date:	< Datum />

3 Identification of the Test Laboratory

Details of the Test Laboratory	
Company name:	Senton GmbH EMI/EMC Test Center
Address:	Aeussere Fruehlingstrasse 45 D-94315 Straubing Germany
Laboratory accreditation:	DAR-Registration No. DAT-P-171/94-02
FCC test site registration number	90926
Industry Canada test site registration:	3050A-1
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 15.107, 15.109, 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, 7.2.3 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. Johann Roidt
Responsible for test report:	Mr. Johann Roidt

5 Operation Mode and Configuration of EUT

Operation Mode(s)
TX Mode at lowest (2402 MHz), middle (2440 MHz) and highest (2480 MHz) RF channel, RX Mode at 2440 MHz

Configuration(s) of EUT
Full test setup supplied by applicant

List of ports and cables

Port	*Description*	*Classification*[4]	*Cable type*	*Cable length*
1	Full test setup supplied by applicant			
2				

List of devices connected to EUT

Item	*Description*	*Type Designation*	*Serial no. or ID*	*Manufacturer*
1	None			
2				

List of support devices

Item	*Description*	*Type Designation*	*Serial no. or ID*	*Manufacturer*
1	None			
2				

[4] Ports shall be classified as ac power, dc power or signal/control port

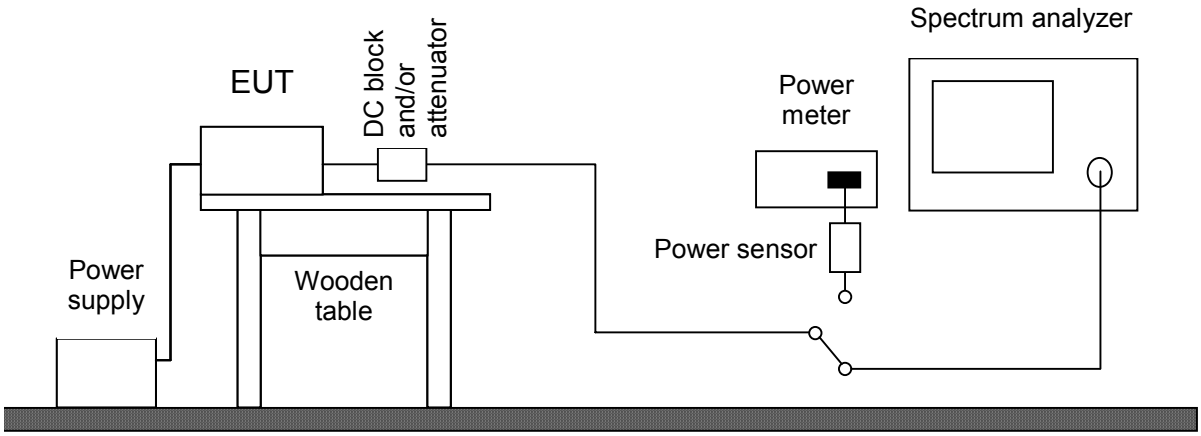
6 Measurement Procedures

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

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.

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 kHz $\leq f_c <$ 30 MHz), 100 kHz (30 MHz $\leq f_c <$ 1 GHz) or 1 MHz ($f_c \geq$ 1 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).



Test instruments used:

Used	Type	Model	Serial No. or ID	Manufacturer
☒	Spectrum Analyzer	FSP 30	100063	Rohde & Schwarz
☐	EMI test receiver	ESPI7	836914/0002	Rohde & Schwarz
☐	EMI test receiver	ESMI	839379/013 839587/006	Rohde & Schwarz
☒	Power meter	NRVS	836856/015	Rohde & Schwarz
☐	Peak power sensor	NRV-Z31	8579604.03	Rohde & Schwarz
☐	Power sensor	NRV-Z52	837901/030	Rohde & Schwarz
☒	Power sensor	NRV-Z4	863828/015	Rohde & Schwarz
☐	DC-block	7006	A2798	Weinschel
☐	Attenuator	4776-10	9412	Narda
☐	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:	☐ Conducted: See below ☒ Radiated: Radiated Emission in Fully or Semi Anechoic Room (6.4)
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. If radiated measurements are performed the same test setups and instruments are used as with radiated emission measurements for the appropriate frequency range. The analyzer settings are specified by the test description of the appropriate test record(s).	

6.3 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

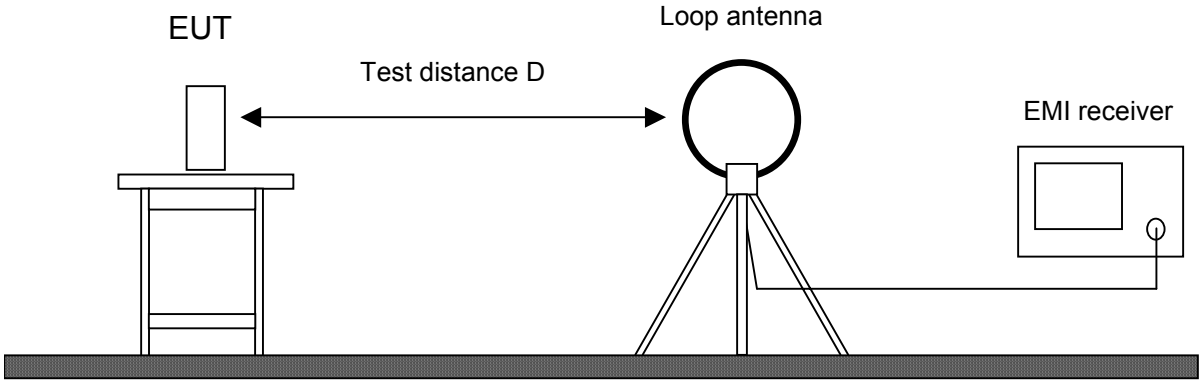
Radiated emission in the frequency range 9 kHz to 30 MHz is measured using an active loop antenna. First the whole spectrum of emission caused by the equipment is recorded at a distance of 3 meters in a fully or semi anechoic room with the detector of the spectrum analyzer or EMI receiver set to peak. This configuration is also used for recording the spectrum of intentional radiators.

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.
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).

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.

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.



Test instruments used:

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

6.4 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

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.

Measurements are made in both the horizontal and vertical planes of polarization in a fully 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).

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.

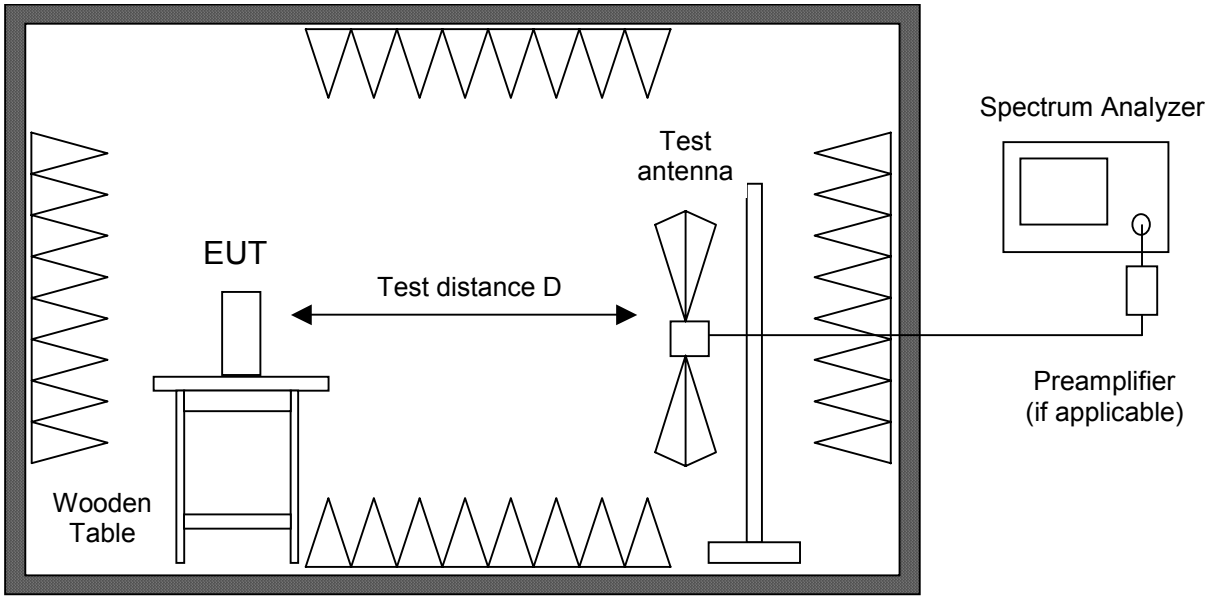
All tests below 18 GHz are performed at a test distance D of 3 meters. For higher frequencies the test distance is reduced (e.g. to 1 meter) due to the sensitivity of the measuring instrument(s) and the test results are calculated according to CFR 47 Part 15 section 15.31(f)(1) using an extrapolation 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.

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.

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.

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.

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.



Fully or semi anechoic room

Test instruments used:

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

6.5 Radiated Emission at Open Field Test Site

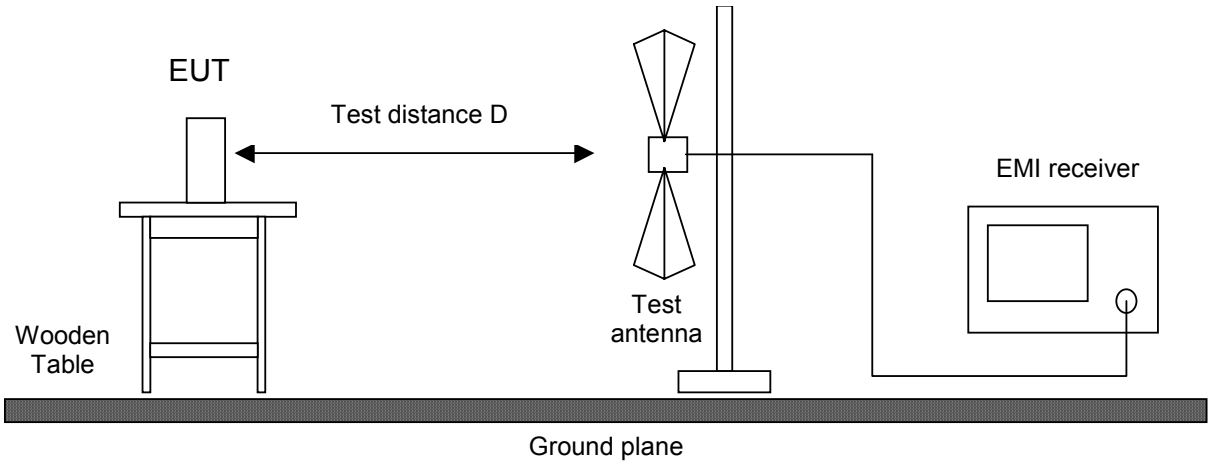
Measurement Procedure:	
Rules and specifications:	CFR 47 Part 15, sections 15.109, 15.215(b) and 15.249 IC RSS-Gen Issue 2, sections 6(a), 7.2.3.2 IC RSS-210 Issue 7, section A2.9
Guide:	ANSI C63.4

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.

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.

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.

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.

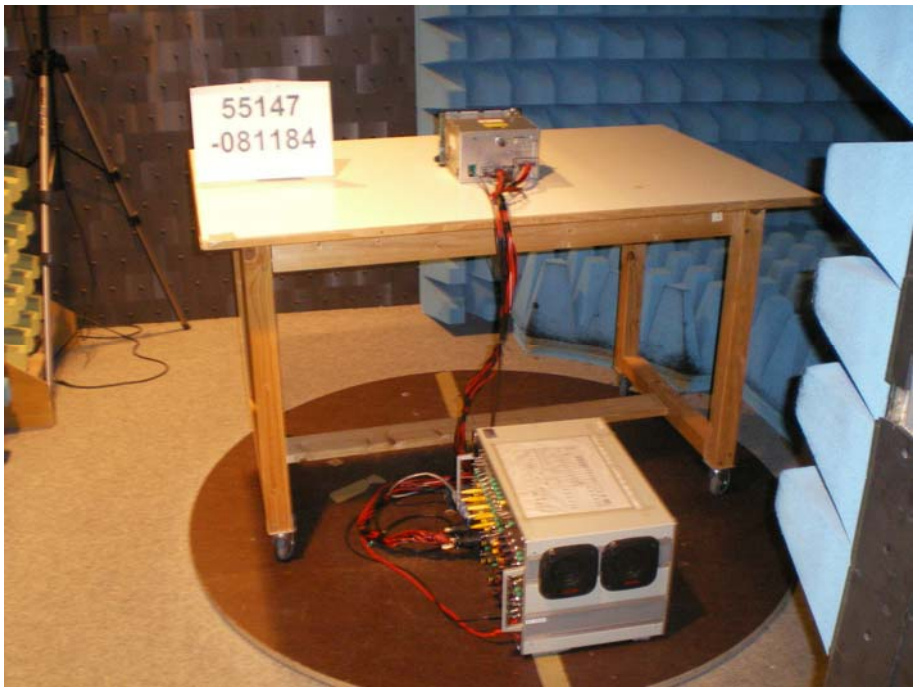


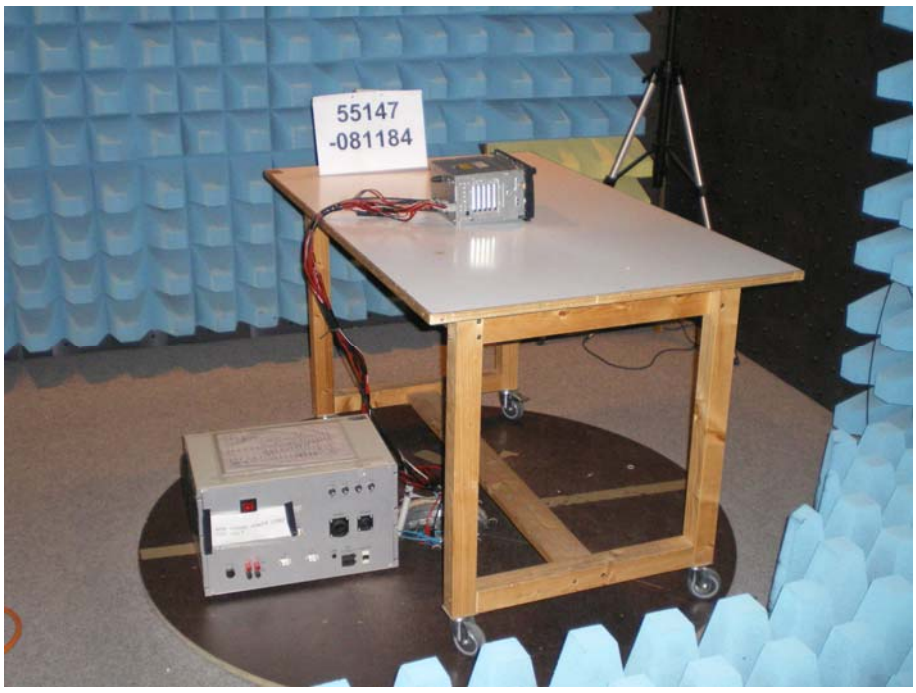
Test instruments used:

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

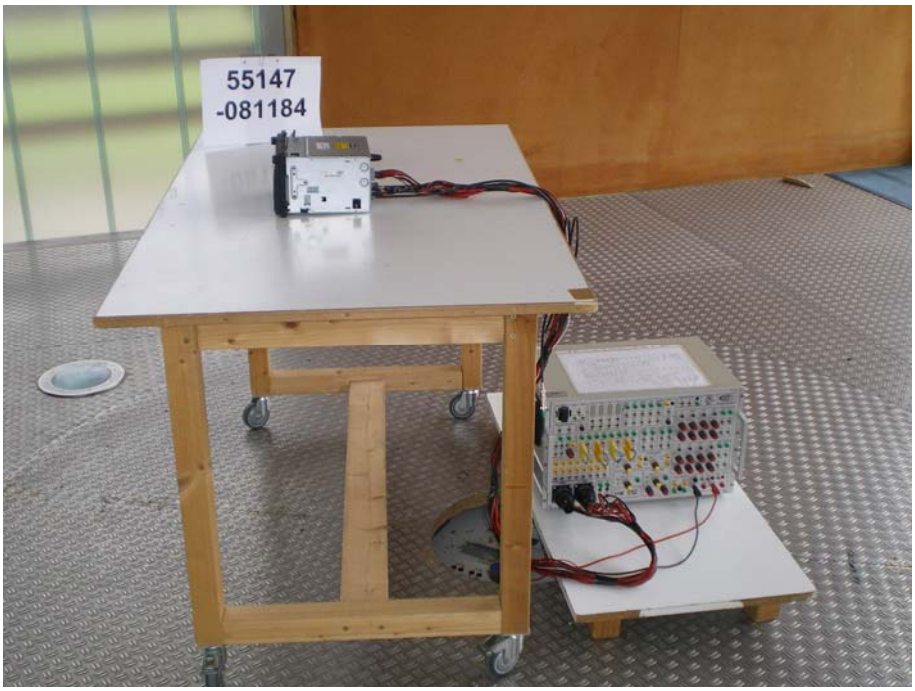
7 Photographs Taken During Testing

Test setup for radiated emission measurement (fully anechoic room)





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



Test Results for Transmitter

FCC CFR 47 Parts 2 and 15			
Section(s)	*Test*	*Page*	*Result*
2.202(a)	Occupied bandwidth	22	Recorded
15.204	Antenna requirement	---	Integrated Antenna
15.35(c)	Pulse train measurement for pulsed operation	---	Not applicable
15.205(a)	Restricted bands of operation	28	Test passed
15.247(a)(1)(i)	Channel Bandwidth	25	Test passed
15.247(a)(1)	Hopping channel separation	30	Test passed
15.247(a)(1)(i)	Number of hopping frequencies used	33	Test passed
15.247(a)(1)(i)	Time occupancy on any channel	34	Test passed
15.247(b)(2)	Maximum peak output power	38	Test passed
15.207	Conducted AC powerline emission 150 kHz to 30 MHz		Not applicable
15.205(b) 15.247	Radiated emission 9 kHz to 30 MHz	41	Test passed
15.205(b) 15.215(b) 15.247(d)	Radiated emission 30 MHz to 25 GHz	42	Test passed
15.247(i) 2.1093	RF exposure requirement	45	Test passed

IC RSS-Gen Issue 2			
Section(s)	*Test*	*Page*	*Result*
4.8	Transmitter output power (conducted)	---	Not applicable
4.6.1	Occupied Bandwidth	22	Recorded
4.5	Pulsed operation	---	Not applicable
7.2.2	Transmitter AC power lines conducted emissions 150 kHz to 30 MHz		Not applicable
5.5	Exposure of Humans to RF Fields	46	Exempted from SAR and RF evaluation

IC RSS-210 Issue 7			
Section(s)	*Test*	*Page*	*Result*
2.2(a)	Restricted bands and unwanted emission frequencies	28	Test passed
7.1.4	Antenna requirement	---	Integrated antenna
A8.1(c)	Channel bandwidth	25	Test passed
A8.1(b)	Hopping channel separation	30	Test passed
A8.1(c)	Number of hopping frequencies used	33	Test passed
A8.1(c)	Time occupancy on any channel	34	Test passed
A8.4(1)	Maximum output power	38	Test passed
2.2(b)(c) 2.6 A8.5	Unwanted emissions 9 kHz to 30 MHz	41	Test passed
2.2(b)(c) 2.6 A8.5	Unwanted emissions 30 MHz to 25 GHz	42	Test passed

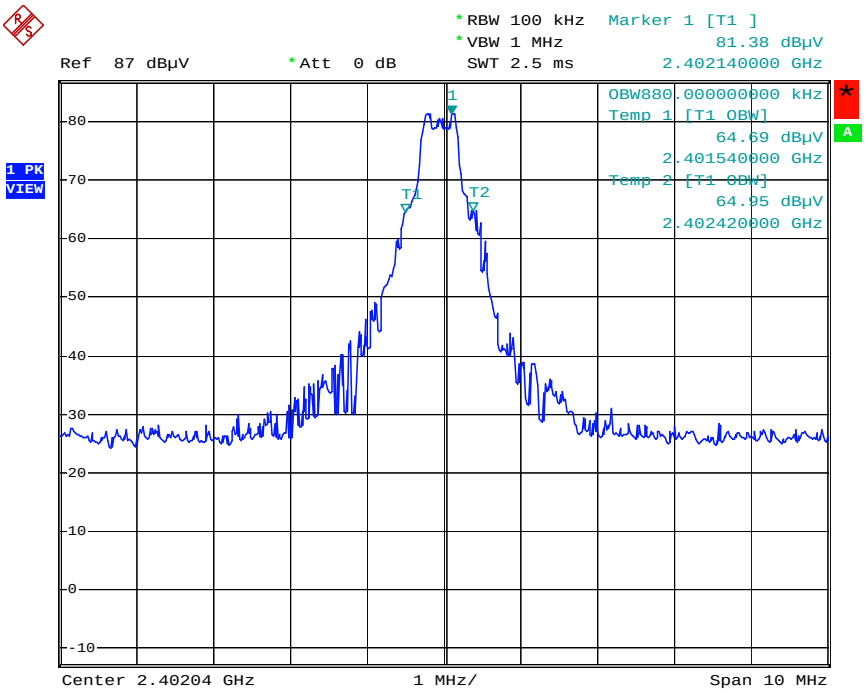
7.1 Occupied Bandwidth

Rules and specifications:	IC RSS-Gen Issue 2, section 4.6.1
Guide:	IC RSS-Gen Issue 2, section 4.6.1
Description:	If not specified in the applicable RSS the occupied bandwidth is measuredas the 99% emission bandwidth. 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. 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.
Measurement procedure:	Bandwidth Measurements (6.2)

Comment:	
Date of test:	29 September
Test site:	Fully anechoic room, cabin no. 2

Occupied Bandwidth (99 %):	

Occupied Bandwidth (99 %):



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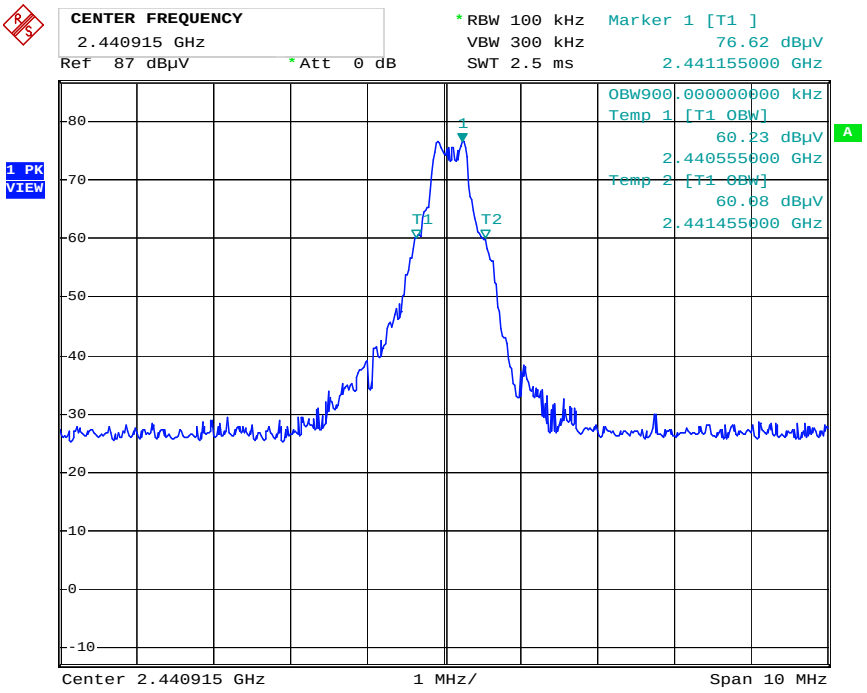

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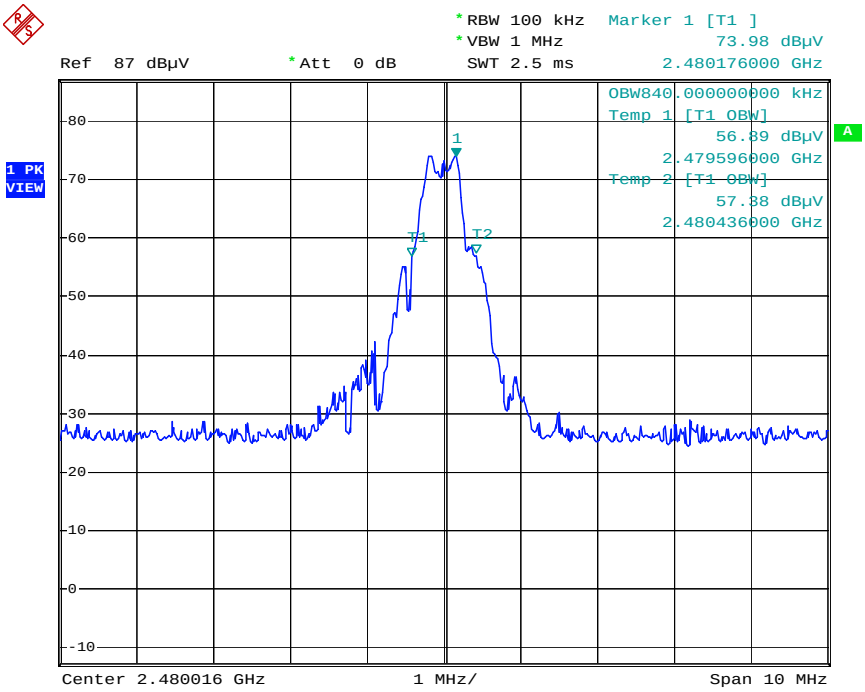

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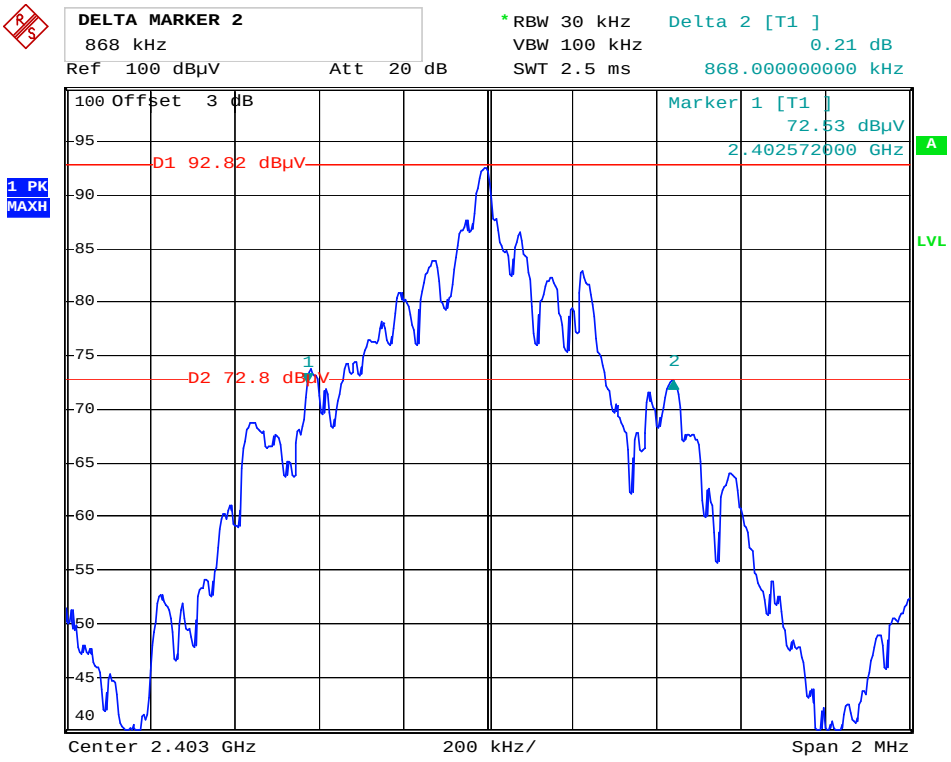
7.2 Channel Bandwidth

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:	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 (6.4)

Comment:	
Date of test:	18 September 2008
Test site:	Fully anechoic room, cabin no. 2
Test distance:	3 meters

Frequency	Channel Bandwidth in kHz	Standard	Result
Low (2402 MHz)	868	< 1 MHz	pass
Middle 2441 MHz	872	< 1 MHz	pass
High 2480 MHz	888	< 1 MHz	pass



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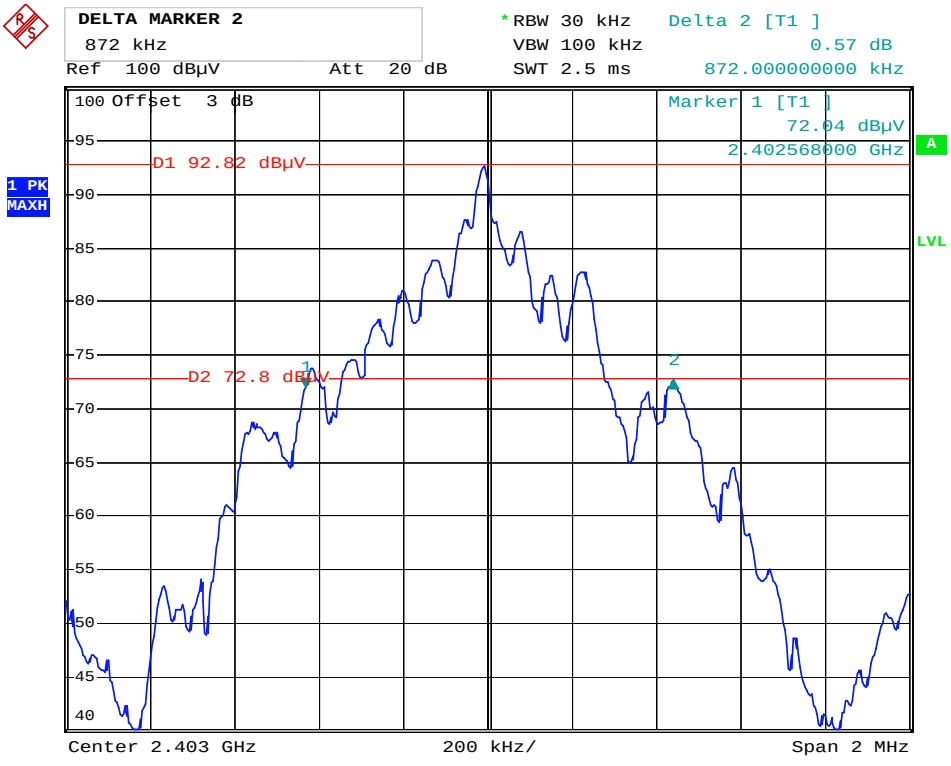

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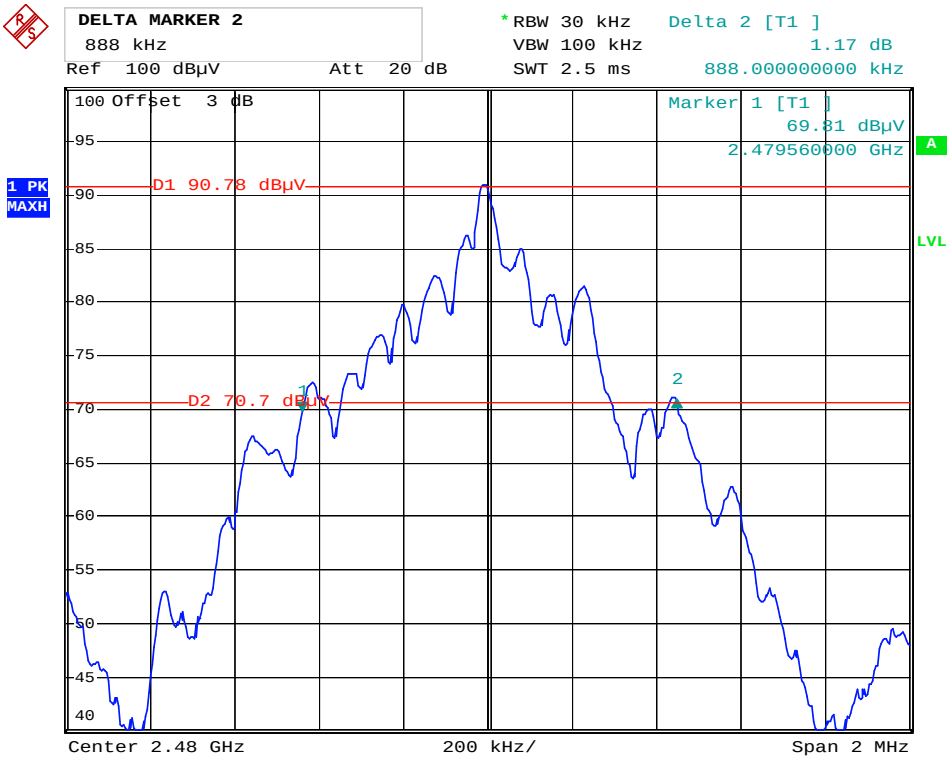

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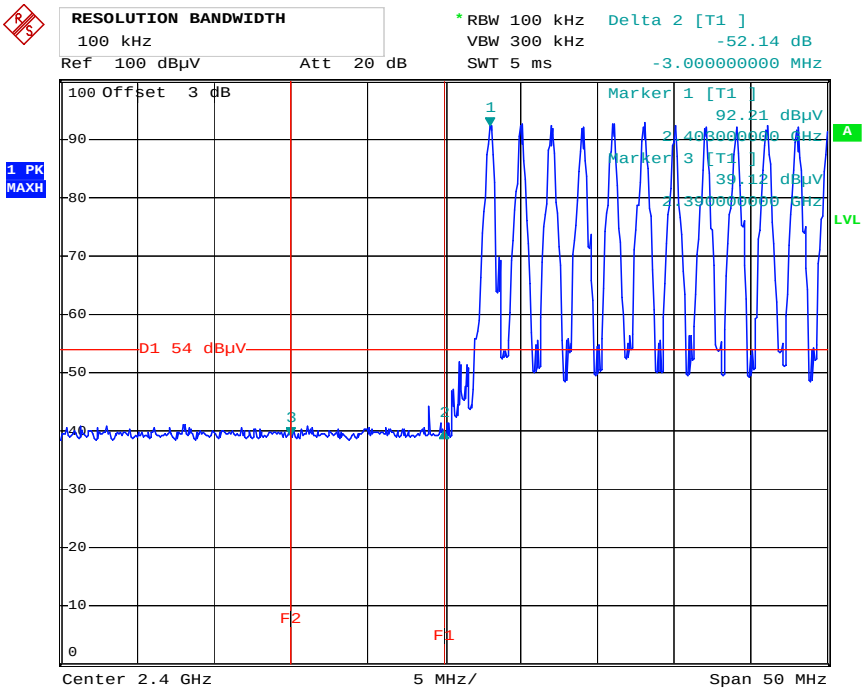
7.3 Restricted Bands of Operation and Band Edge Compliance

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:	

Comment:	
Date of test:	18 September 2008
Test site:	Fully anechoic room, cabin no. 2
Test distance:	3 meters

Test Result:	Test passed



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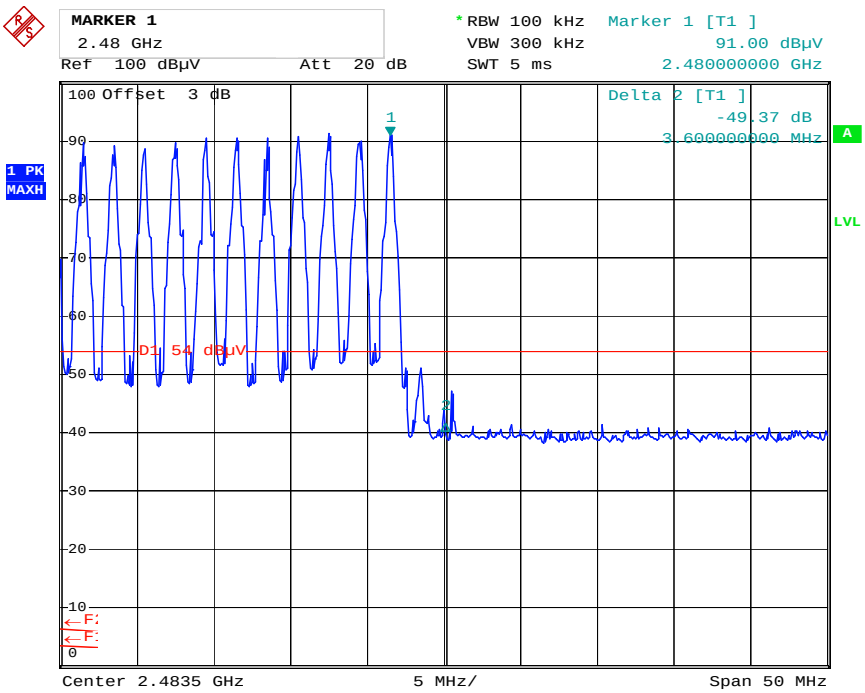

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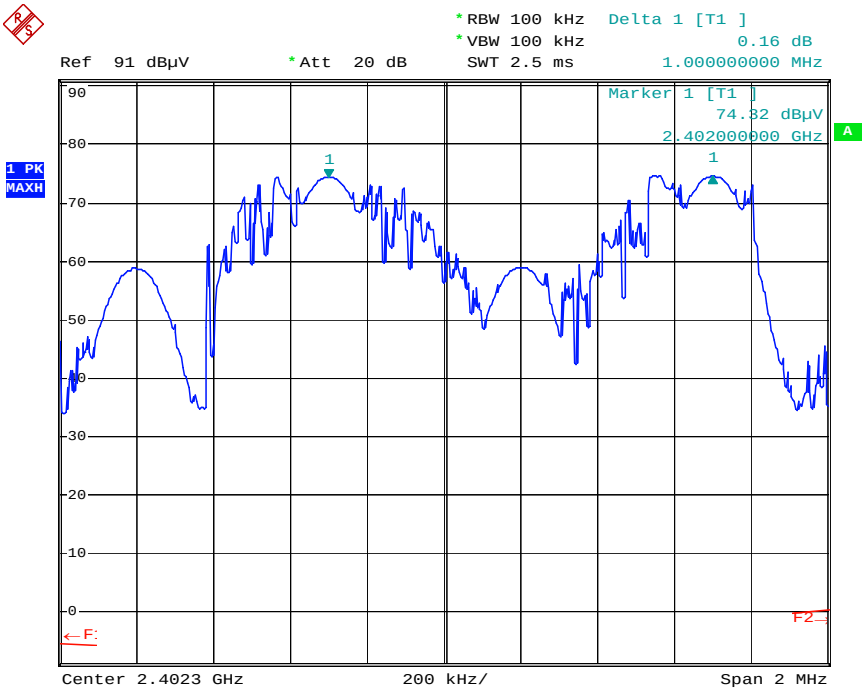
7.4 Hopping channel separation

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. Alternatively, frequency hopping systems operating in the 2400 - 2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.
Measurement procedure:	Radiated Emission in Fully or Semi Anechoic Room (6.4)

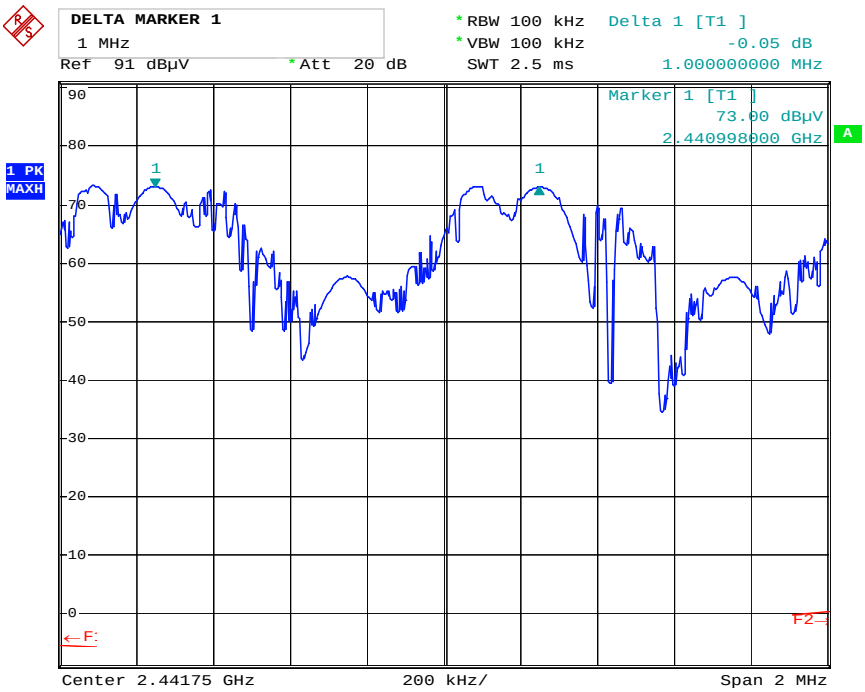
Comment:	
Date of test:	29 September 2008
Test site:	Fully anechoic room, cabin no. 2
Test distance:	3 meters

Frequency (MHz)	Channel separation (kHz)	Limit (kHz)	Result
2402	1000	> 868	Pass
2441	1000	> 872	Pass
2480	1004	> 888	Pass

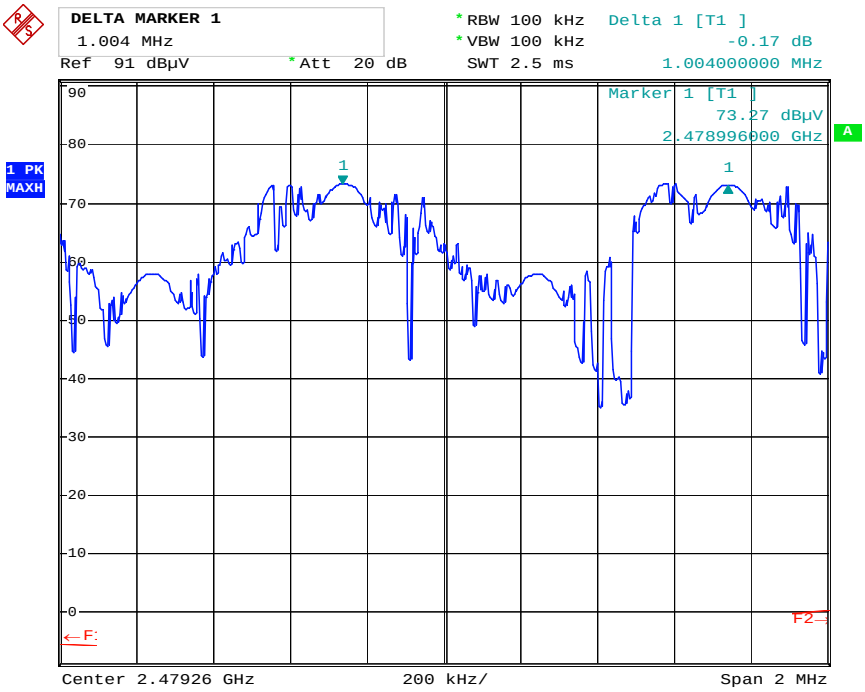
Test Result:	Test passed



Date: 29.SEP.2008 11:37:43



Date: 29.SEP.2008 11:41:00



Date: 29.SEP.2008 11:44:18

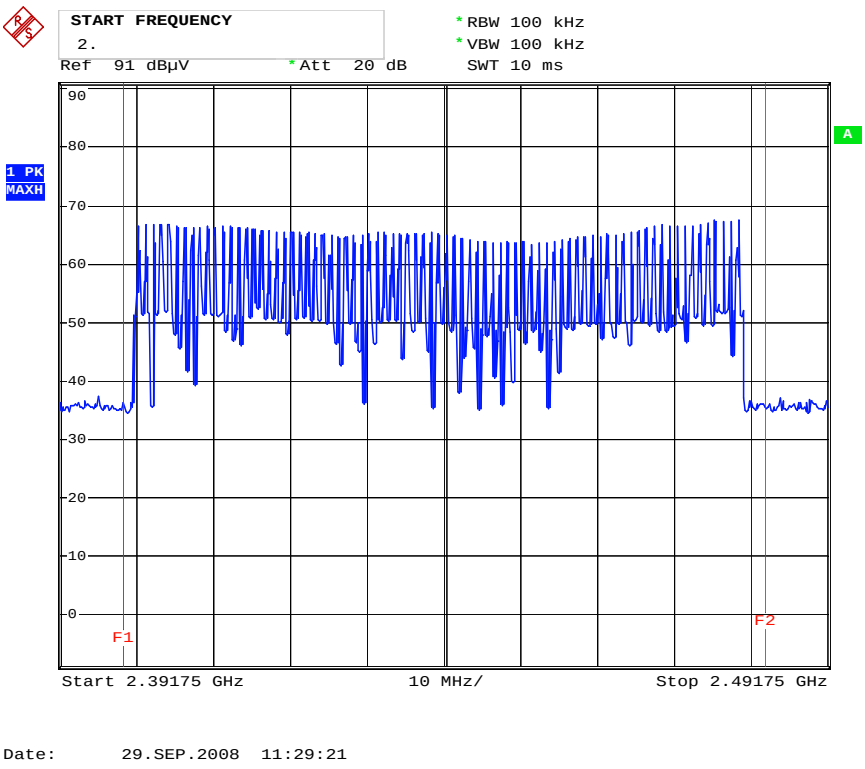
7.5 Number of hopping frequencies used

Rules and specifications:	CFR 47 Part 15, section 15.247(a)(1)(iii) IC RSS-210 Issue 7, section A8.1(c)
Guide:	ANSI C63.4
Limit:	Frequency hopping systems in the 2400 - 2483.5 MHz band shall use at least 15 channels.
Measurement procedure:	Radiated Emission in Fully or Semi Anechoic Room (6.4)

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

Frequencies	Limit	Result
79	15	Pass

Test Result:	Test passed



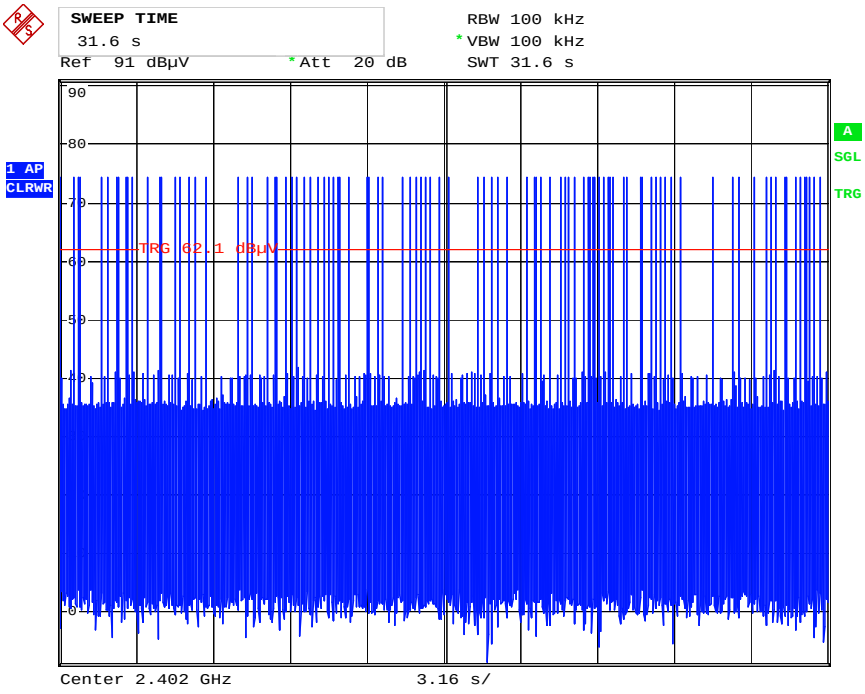
7.6 Time occupancy on any channel

Rules and specifications:	CFR 47 Part 15, section 15.247(a)(1)(iii) IC RSS-210 Issue 7, section A8.1(c)
Guide:	ANSI C63.4
Limit:	The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.
Measurement procedure:	Radiated Emission in Fully or Semi Anechoic Room (6.4)

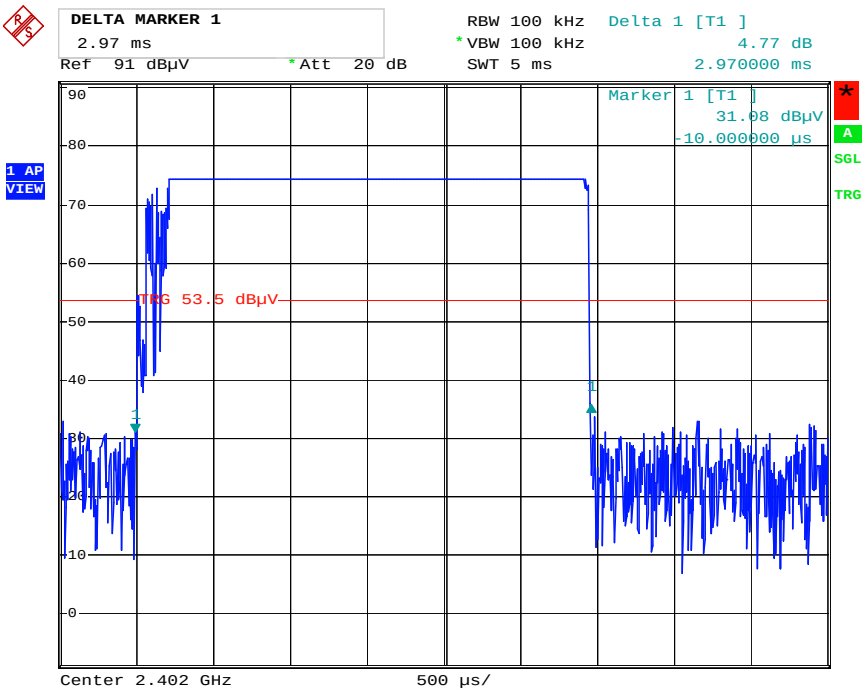
Comment:	
Date of test:	
Test site:	Fully anechoic room, cabin no. 2
Test distance:	3 meters

Frequency (MHz)	Time occupancy (ms in a 31.6 s period)	Limit (ms in a 31.6 s period)	Result
2402	252.45	400	Pass
2441	261.36	400	Pass
2480	279.18	400	Pass

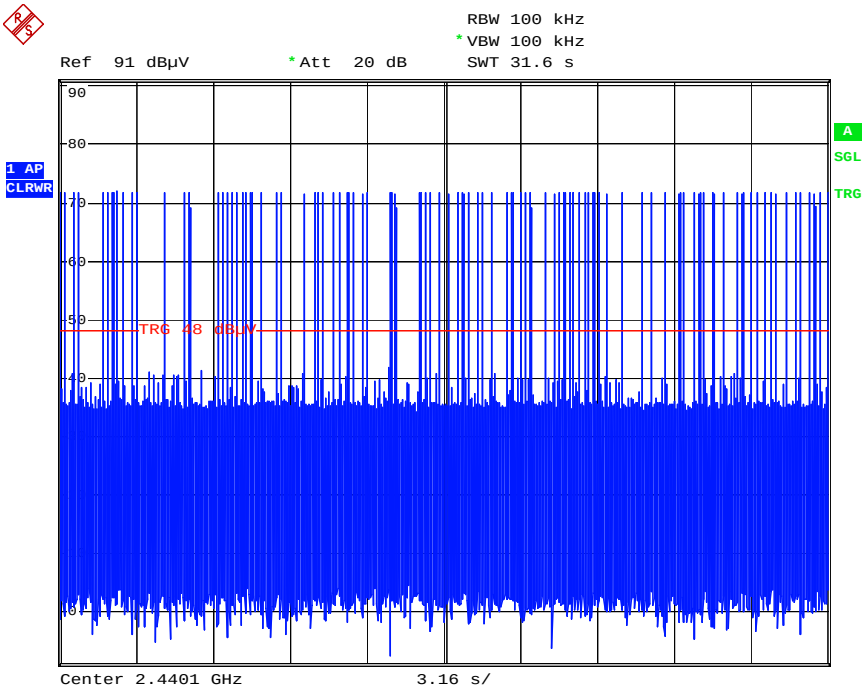
Test Result:	Test passed



Date: 29.SEP.2008 11:47:35



Date: 29.SEP.2008 11:49:12



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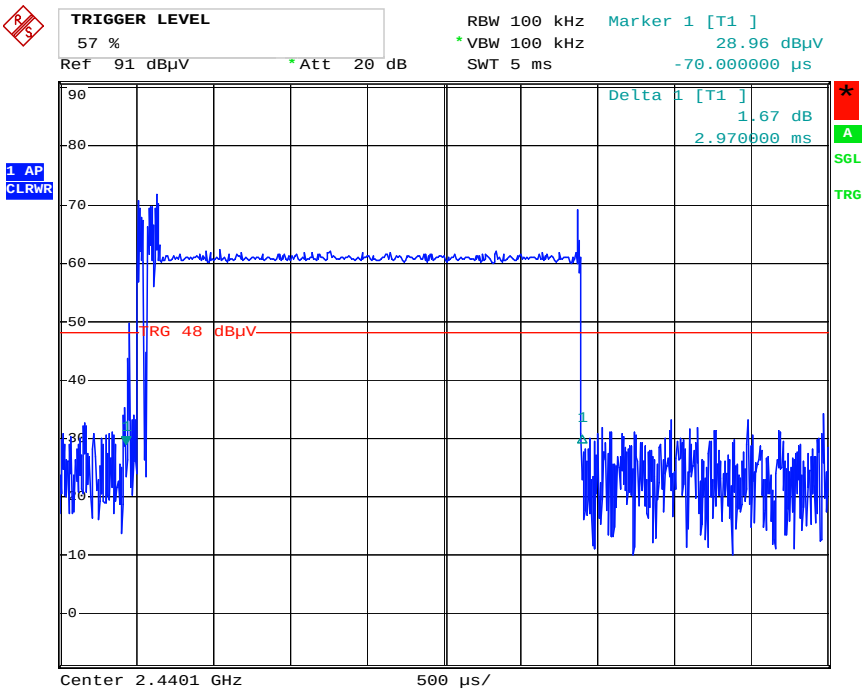
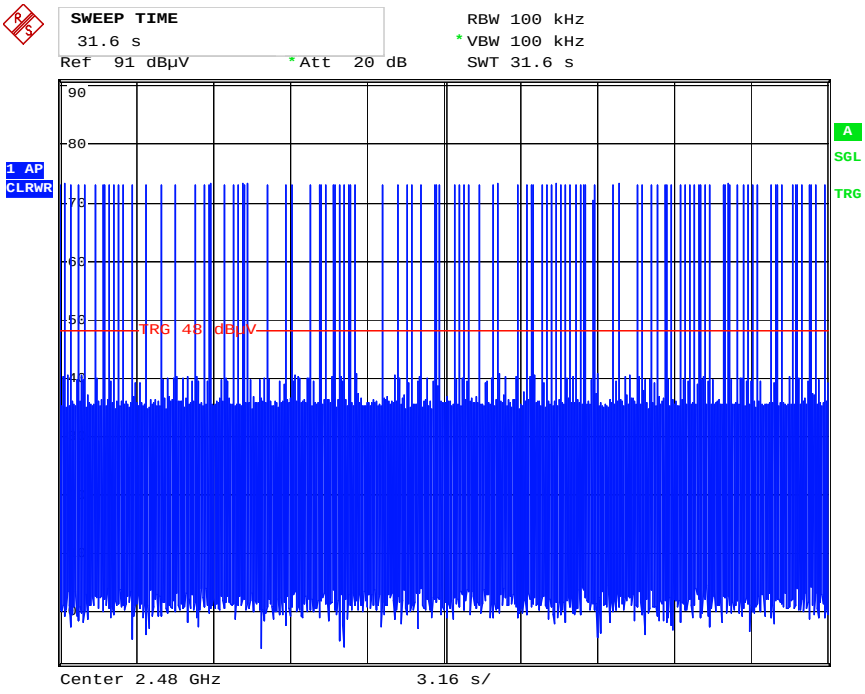
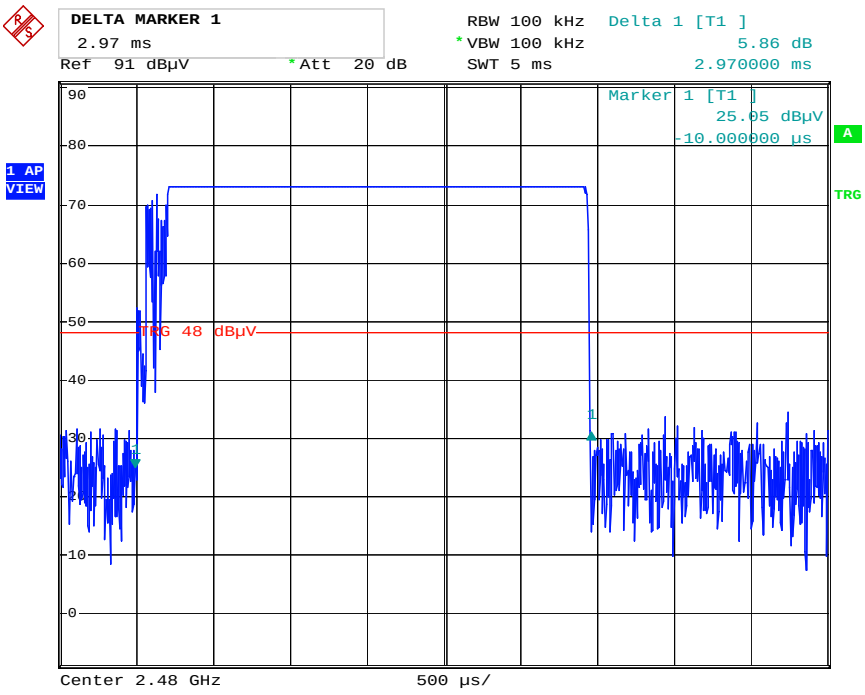


Date: 29.SEP.2008 11:50:13



Date: 29.SEP.2008 11:52:54



Date: 29.SEP.2008 11:53:49

7.7 Maximum output power

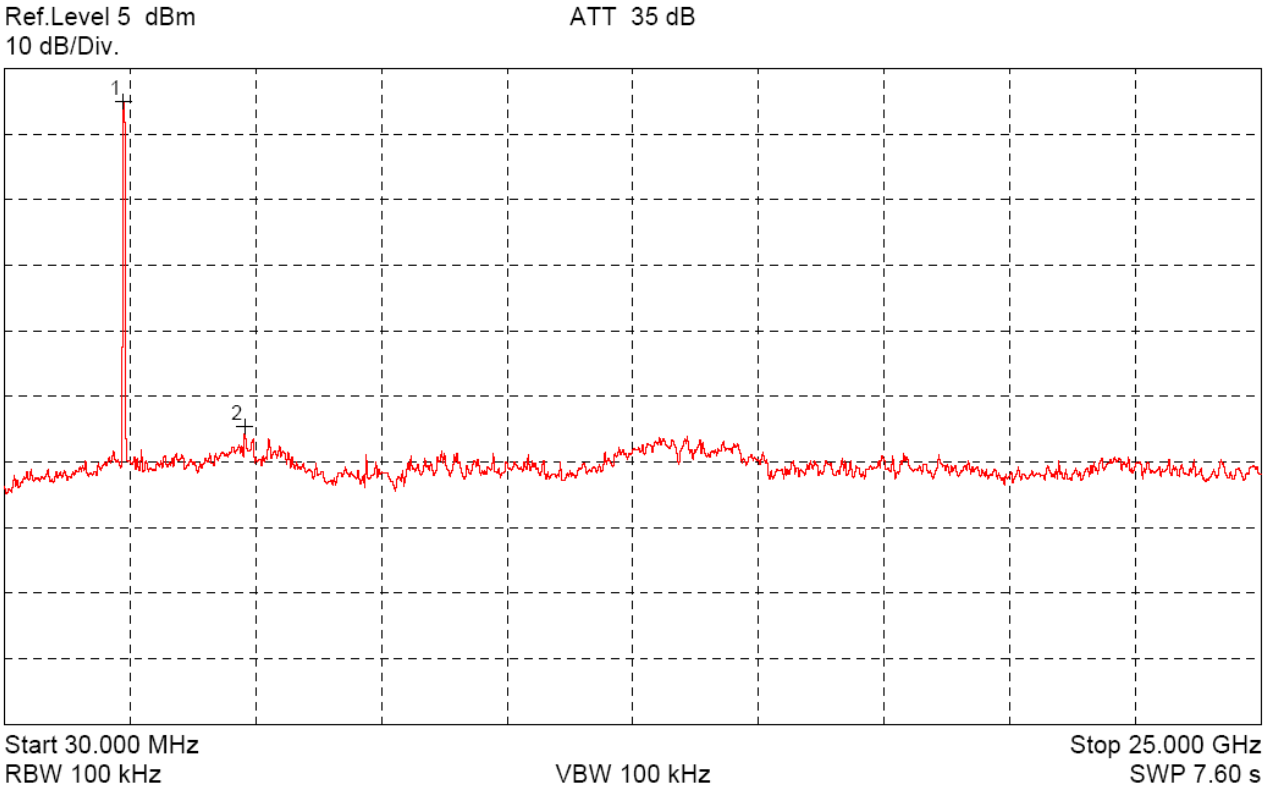
Rules and specifications:	CFR 47 Part 15, section 15.247(b)(1) IC RSS-210 Issue 7, section A8.4(1)
Guide:	ANSI C63.4
Limit:	For frequency hopping systems operating in the 2400 - 2483.5 MHz band employing at least 75 non-overlapping channels the maximum peak conducted power ist 1 W (30 dBm). For all other frequency hopping systems 0.125 W (21 dBm).
Measurement procedure:	Conducted Output Power (6.1)

Comment:	
Date of test:	30 September 2008
Test site:	Fully anechoic room, cabin no. 2
Test distance:	3 meters

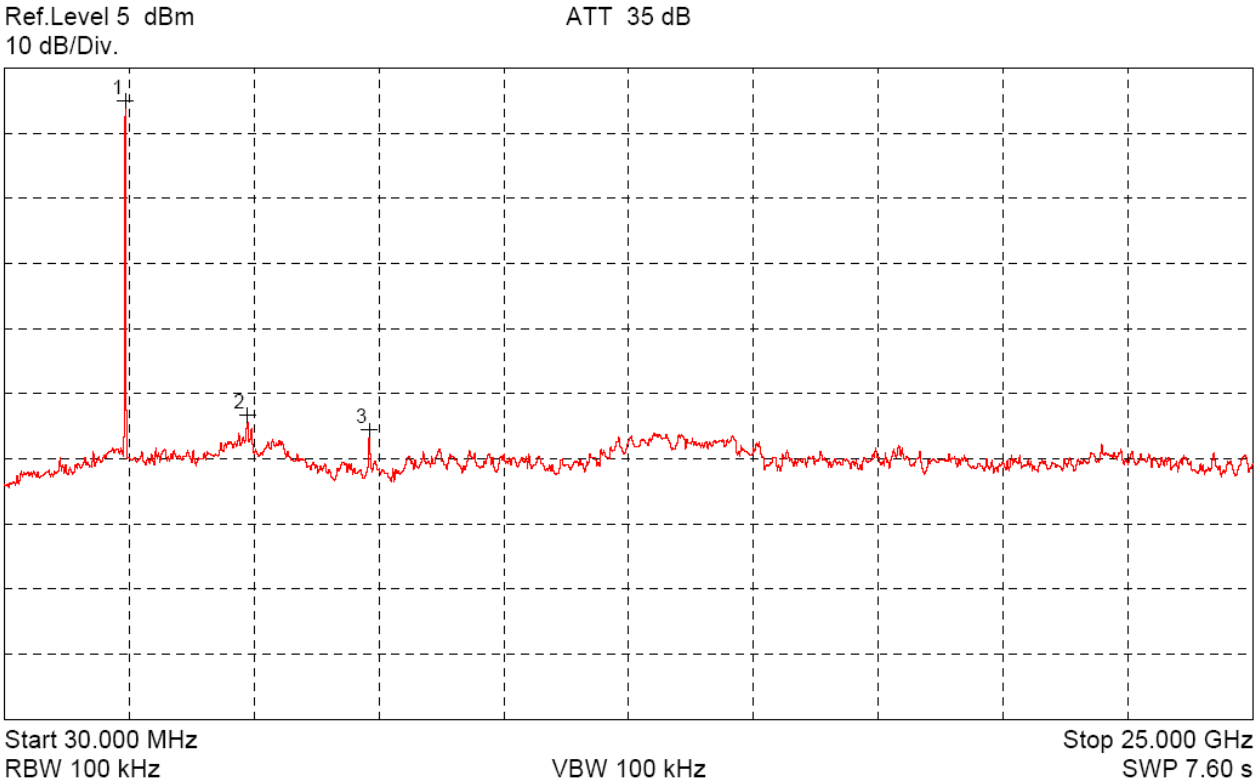
Frequency (MHz)	Output power (dBm)	Limit (dBm)	Result
2402 MHz	-0.05	30	Pass
2440 MHz	0.00	30	Pass
2480 MHz	-0.05	30	Pass

Test Result:	Test passed

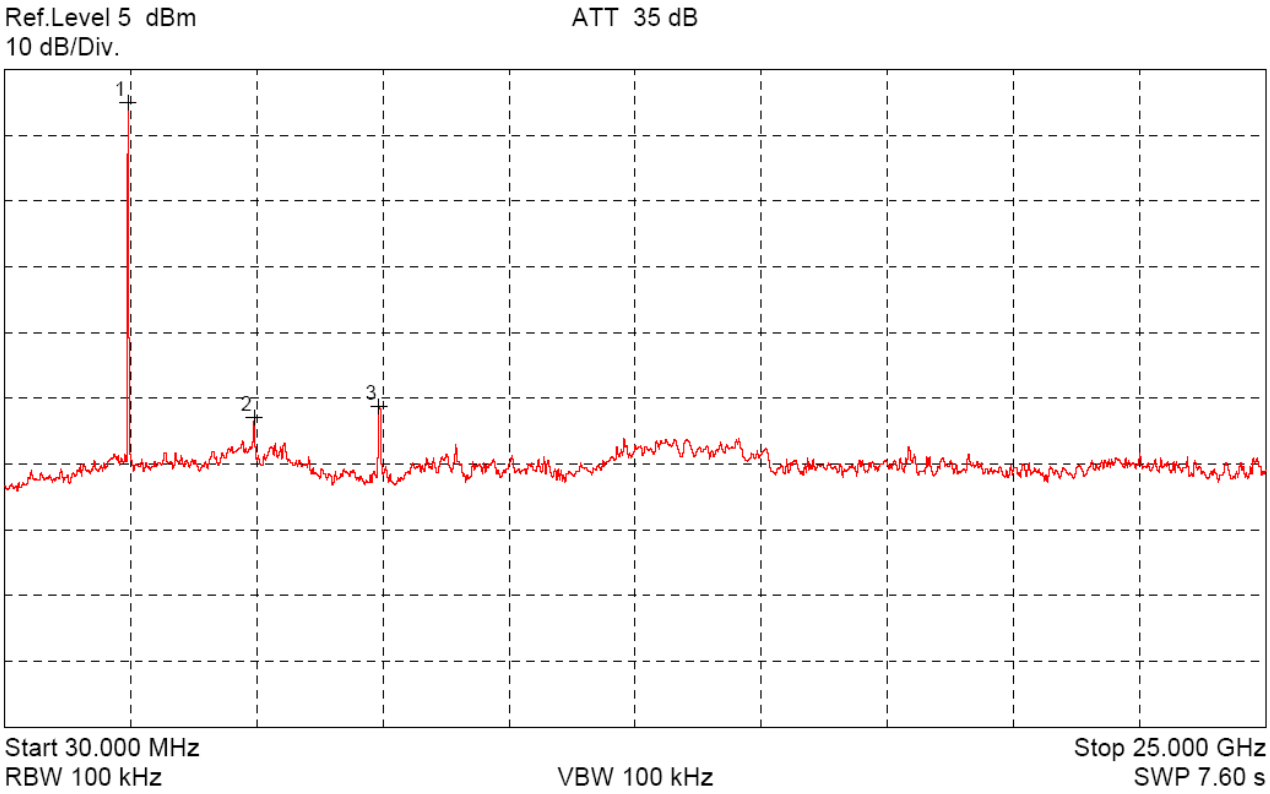
Lowest RF Channel



Middle RF Channel



Highest RF Channel



7.8 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:	Frequency of Emission (MHz)	Field Strength (µV/m)	Field Strength (dBµV/m)	Measurement Distance d (meters)
	0.009 - 0.490	2400/F(kHz)	67.6 - 20 · log(F(kHz))	300
	0.490 - 1.705	24000/F(kHz)	87.6 - 20 · log(F(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 (6.3)			

Comment:	---
Date of test:	30 Septembewr 2008
Test site:	Open field test site

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

Test Result:	Test passed

7.9 Radiated Emission Measurement 30 MHz to 25 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:	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 (6.4) Radiated Emission at Open Field Test Site (6.5)		

Test Result:	Test passed

Comment:	Low Channel
Mode:	
Date of test:	September 29, 2008
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)
780.000	horizontal	Quasi-Peak	20.2	24.3		44.5	46.0	**1.5**
4805.000	vertical	Peak	10.0	34.3		44.2	54.0	9.8
8054.300	horizontal	Peak	8.5	39.7		48.1	54.0	5.9
12387.400	vertical	Peak	-2.5	46.2		43.8	54.0	10.2
17921.600	vertical	Peak	-3.4	53.6		50.2	54.0	3.8

Sample calculation of final values:

Final Value (dBµV/m) = Reading Value (dBµV) + Correction Factor (dB/m) + Pulse Train Correction (dB)

Comment:	Middle Channel
Mode:	
Date of test:	September 30, 2008
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)
780.000	vertical	Quasi-Peak	21.5	24.3		45.8	46.0	**0.2**
5451.000	horizontal	Peak	9.4	34.9		44.3	54.0	9.7
7325.800	horizontal	Peak	8.5	39.1		47.6	54.0	6.4
12383.200	vertical	Peak	-2.6	46.2		43.6	54.0	10.4
17972.000	vertical	Peak	-3.2	53.6		50.5	54.0	3.5

Sample calculation of final values:

Final Value (dBµV/m) = Reading Value (dBµV) + Correction Factor (dB/m) + Pulse Train Correction (dB)

Comment:	Highest Channel
Mode:	
Date of test:	September 30, 2008
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)
520.000	horizontal	Quasi-Peak	24.2	21.0		45.2	46.0	**0.8**
5458.600	horizontal	Peak	8.3	34.9		43.2	54.0	10.8
7720.600	vertical	Peak	8.3	39.4		47.7	54.0	6.3
12101.800	vertical	Peak	-2.2	46.0		43.8	54.0	10.2
17871.200	horizontal	Peak	-3.5	53.6		50.0	54.0	4.0

Sample calculation of final values:

Final Value (dBµV/m) = Reading Value (dBµV) + Correction Factor (dB/m) + Pulse Train Correction (dB)

7.10 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/cm²)	Averaging Time (minutes)
	0.3 - 1.34	614	1.63	(100)*	30
	1.34 - 30	824 / f	2.19 / f	(180 / f²)*	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 [5]:	$S = P G / 4 \pi R^2$		
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 = 0 dBm = 1 mW	☒	☒
Antenna gain:	G = 0 dBi = 1		
Prediction distance:	R = 20 cm		
Power density at 20 cm:	**S = 0.0002 mW/cm²**		

Test Result:	Test passed

[5] MPE Prediction of MPE according to equation from page 19 of OET Bulletin 65, Ed. 97-01

7.11 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				
☒ detachable				
The conducted output power (CP in watts) is measured at the antenna connector: CP = **1 mW**			☒	
The effective isotropic radiated power (EIRP in watts) is calculated using				
☒ the numerical antenna gain: G = **1.0**; $EIRP = G \cdot CP \Rightarrow EIRP$ = **1 mW**		☒		
☐ the field strength[6] in V/m: FS = **..... V/m**			☐	
$EIRP = \frac{(FS \cdot D)^2}{30} \Rightarrow EIRP$ = **..... W**				
with:				
Distance between the antennas in m: D = **0.2 m**			☐	
☐ not detachable				
A field strength measurement is used to determine the effective isotropic radiated power (EIRP in watts) given by[6]: $EIRP = \frac{(FS \cdot D)^2}{30} \Rightarrow EIRP$ = **..... W**				
with:				
Field strength in V/m: FS = **..... dBµV/m** = **..... V/m**			☒	
Distance between the two antennas in m: D = **0.2 m**			☒	
Selection of output power				
The output power TP is the higher of the conducted or effective isotropic radiated power (e.i.r.p.): TP = **1 mW**				

[6] 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.

Exposure of Humans to RF Fields (continued)	Applicable	Declared by applicant	Measured	Exemption
Separation distance between the user and the transmitting device is				
☐ less than or equal to 20 cm ☒ greater than 20 cm		☐		
Transmitting device is				
☐ in the vicinity of the human head ☐ body-worn		☐		
SAR evaluation				
SAR evaluation is required if the separation distance between the user and the device is less than or equal to 20 cm.				
☐ The device operates from 3 kHz up to 1 GHz inclusively and its source-based time-averaged output power is less than, or equal to 200 mW for General Public Use and 1000 mW for Controlled Use.				☐
☐ The device operates above 1 GHz up to 2.2 GHz inclusively and its source-based time-averaged output power is less than, or equal to 100 mW for General Public Use and 500 mW for Controlled Use.				☐
☐ The device operates above 2.2 GHz up to 3 GHz inclusively and its source-based time-averaged output power is less than, or equal to 20 mW for General Public Use and 100 mW for Controlled Use.				☐
☐ The device operates above 3 GHz up to 6 GHz inclusively and its source-based time-averaged output power) is less than, or equal to 10 mW for General Public Use and 50 mW for Controlled Use.				☐
☐ SAR evaluation is documented in test report no.				
RF exposure evaluation				
RF exposure evaluation is required if the separation distance between the user and the device is greater than 20 cm.				
☐ The device operates below 1.5 GHz and its e.i.r.p. is equal to or less than 2.5 W.				☐
☐ The device operates at or above 1.5 GHz and the e.i.r.p. of the device is equal to or less than 5 W.				☒
☐ RF exposure evaluation is documented in test report no.				

8 Test Results for Receiver

FCC CFR 47 Part 15			
Section(s)	*Test*	*Page*	*Result*
15.107	Conducted AC powerline emission 150 kHz to 30 MHz	---	Not applicable
15.109	Radiated emission 30 MHz to 12.5 GHz	49	Test passed
15.111(a)	Antenna power conduction emission of receivers 9 kHz to 12.5 GHz	---	Not applicable

IC RSS-Gen Issue 2			
Section(s)	*Test*	*Page*	*Result*
7.2.2	Transmitter AC power lines conducted emissions 150 kHz to 30 MHz	---	Not applicable
6(a), 7.2.3.2	Receiver spurious emissions (radiated) 30 MHz to 12.5 GHz	49	Test passed
6(b), 7.2.3.1	Receiver spurious emissions (antenna conducted) 9 kHz to 12.5 GHz	---	Not applicable

8.1 Radiated Emission Measurement 30 MHz to 12.5 GHz

Rules and specifications:	CFR 47 Part 15, section 15.109 (Class B) IC ICES-003 Issue 4, section 5.5		
Guide:	ANSI C63.4 / CISPR 22		
Limit:	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
Measurement procedures:	Radiated Emission in Fully or Semi Anechoic Room (6.4) Radiated Emission at Open Field Test Site (6.5)		

Comment:	Receiving mode
Date of test:	September 30, 2008
Test site:	Frequencies ≤ 1 GHz: Open field test site Frequencies > 1 GHz: Fully anechoic room, cabin no. 2
Test distance:	Frequencies ≤ 1 GHz: 10 meters Frequencies > 1 GHz: 3 meters

Test Result:	Test passed

Frequency (MHz)	Antenna Polarization	Detector	Receiver Reading (dBµV)	Correction Factor (dB/m)	Final Value (dBµV/m)	Limit (dBµV/m)	Margin (dB)
271.380	horizontal	Quasi-Peak	25.0	19.8	44.8	46.0	**1.2**
3892.000	horizontal	Peak	8.2	39.0	47.2	54.0	6.8
5629.600	horizontal	Peak	9.1	35.1	44.2	54.0	9.8
8101.300	horizontal	Peak	8.3	39.7	48.0	54.0	6.0
12122.800	horizontal	Peak	-1.1	46.1	44.9	54.0	9.1
12908.800	vertical	Peak	-2.3	50.1	47.8	54.0	6.2

Sample calculation of field final values:

Final Value (dBµV/m) = Reading Value (dBµV) + Correction Factor (dB/m)

9 Referenced Regulations

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

☒	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, 2006
☒	CFR 47 Part 15	Code of Federal Regulations Part 15 (Radio Frequency Devices) of the Federal Communication Commission (FCC)	May 4, 2007
☒	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)
☒	RSS-Gen	Radio Standards Specification RSS-Gen Issue 2 containing General Requirements and Information for the Certification of Radiocommunication Equimpment, published by Industry Canada	June 2007
☒	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
☐	RSS-310	Radio Standards Specification RSS-310 Issue 1 for Low Power Licence-Ecempt Radiocommunicaton Devices (All Frequency Bands): Category II Equipment, published by Industry Canada	September 2005
☒	RSS-102	Radio Standards Specification RSS-102 Issue 2: Radio Frequency Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)	November 2005
☐	ICES-003	Interference-Causing Equipment Standard ICES-003 Issue 4 for Digital Apparatus, published by Industry Canada	February 7, 2004
☒	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
☐	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 Calibration Status

Test Equipment List with Calibration Data

SENTON

Test report number(s): 55147-081184

Date of test: 09/2008

Type	*Inv.-No.*	*Type Designation*	*Serial Number*	*Manufacturer*	*Calibration Organization*	*Date of Calibration* *Last*	*Next*
Test receiver	1025	ESVP	881120/024	Rohde & Schwarz	Rohde & Schwarz	03/2008	09/2009
Test receiver	1028	ESHS10	860043/016	Rohde & Schwarz	Rohde & Schwarz	04/2007	10/2008
Test receiver	1569	ESMI	839379/013	Rohde & Schwarz	Rohde & Schwarz	04/2007	10/2009
EMI Test Receiver	1711	ESPI7	836914/0002	Rohde & Schwarz	Rohde & Schwarz	03/2007	09/2008
Spectrum analyser	1666	FSP30	100063	Rohde & Schwarz	Rohde & Schwarz	10/2007	04/2009
Preamplifier	1142	R14601	13120026	Advantest	Senton	04/2008	04/2010
Preamplifier	1651	CPA9231A	3393	Schaffner Electrotest	Senton	05/2008	11/2009
Preamplifier	1684	AFS3-00100800-32-LN	847743	MITEQ	Senton	05/2008	11/2009
V-network	1059	ESH3-Z5	894785/005	Rohde & Schwarz	Rohde & Schwarz	12/2005	12/2008
V-network	1060	ESH3-Z5	862770/021	Rohde & Schwarz	Rohde & Schwarz	01/2007	01/2010
V-network	1218	ESH3-Z5	830952/025	Rohde & Schwarz	Rohde & Schwarz	07/2008	07/2011
Loop antenna	1016	HFH2-Z2	882964/0001	Rohde & Schwarz	Rohde & Schwarz	12/2007	06/2009
Double ridged waveguide horn antenna	1516	3115	9508-4553	EMCO Elektronik	ARC	05/2008	05/2011
Biconical Antenna	1518	HK116	842204/01	Rohde & Schwarz	Rohde & Schwarz	06/2008	12/2009
Logarithmic-periodic antenna	1519	HL223	841516/23	Rohde & Schwarz	Rohde & Schwarz	06/2008	12/2009
TRILOG Broadband Antenna	1722	VULB 9163	9163-188	Schwarzbeck	Schwarzbeck	04/2008	10/2009
TRILOG Broadband Antenna	1802	VULB 9163	9163-214	Schwarzbeck	Schwarzbeck	03/2008	09/2009

Note: Date of next calibration contains maximum tolerance of six months for devices with calibration cycles less than three years.

Senton GmbH
Aeussere Fruehlingstrasse 45
D-94315 Straubing

SENTON

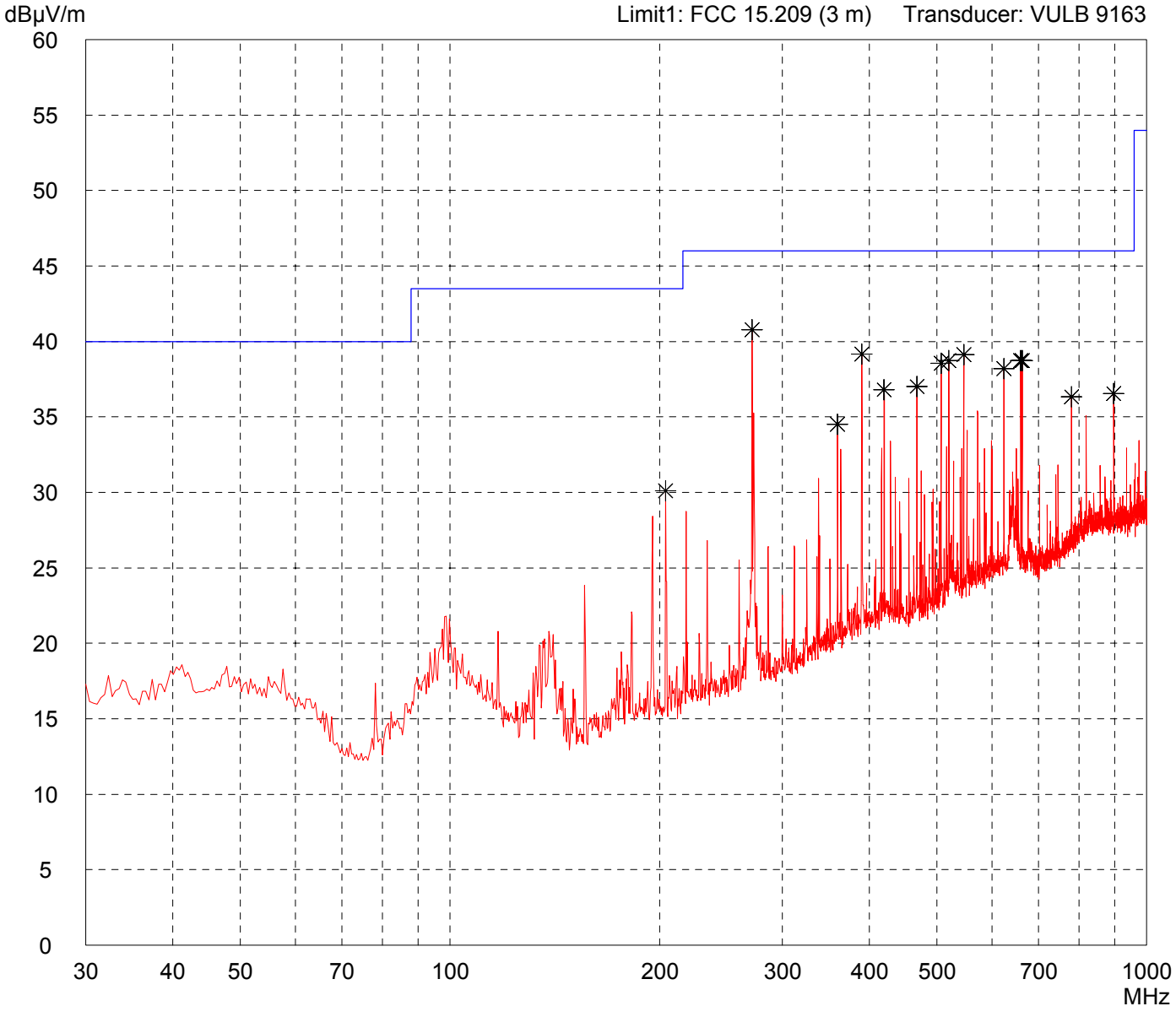
11 Revision History

Revision History			
Edition	*Date*	*Issued by*	*Modifications*
1	17 Oct. 2008	J. Roidt	

12 Charts taken during testing

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

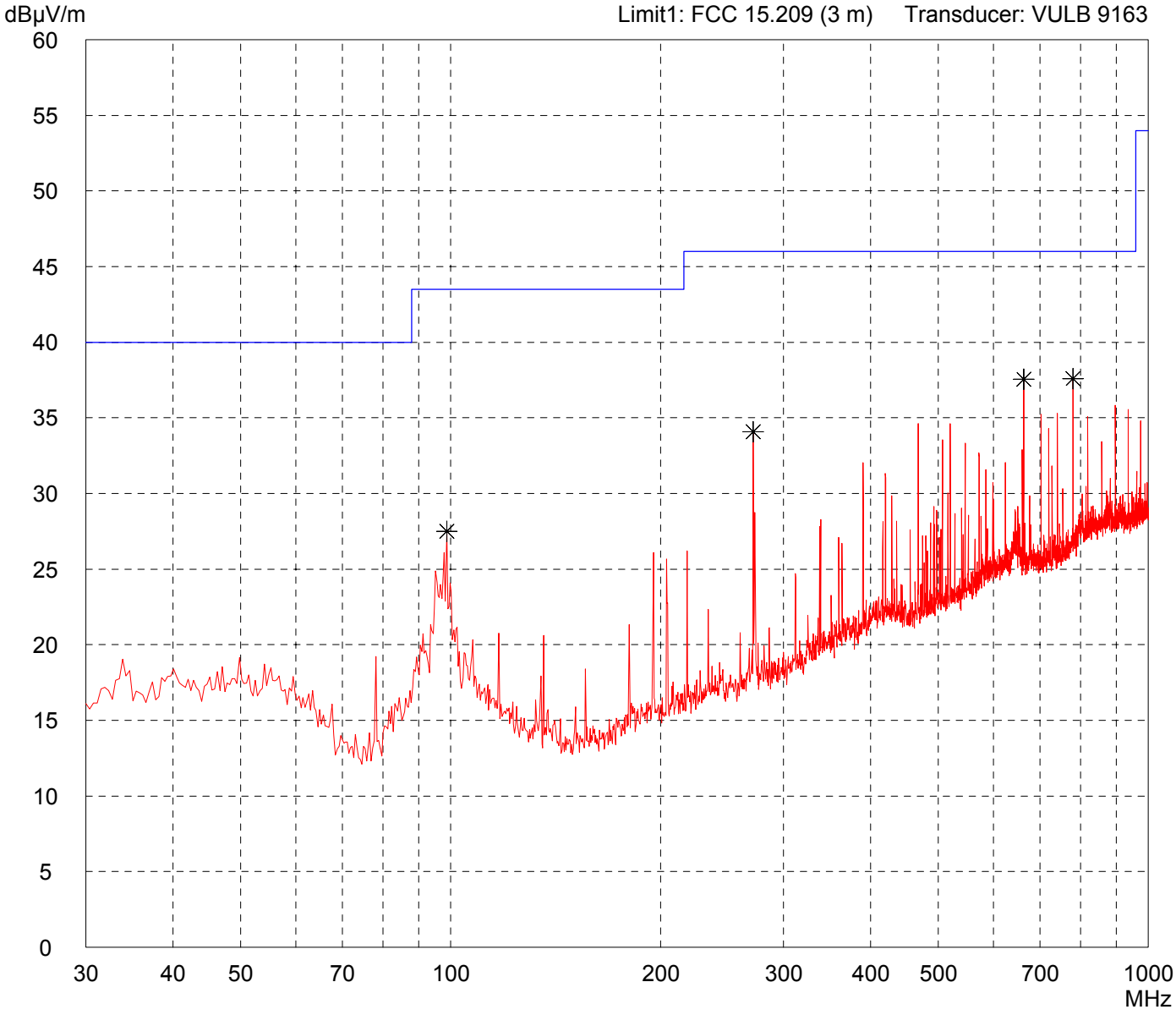
Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on lowest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand



Result: Prescan	Project file: 55147-81184 Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on lowest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 — Operator: M. Steindl	
Test performed: automatically — File name: default.emi	
Detector: Peak	List of values: Selected by hand

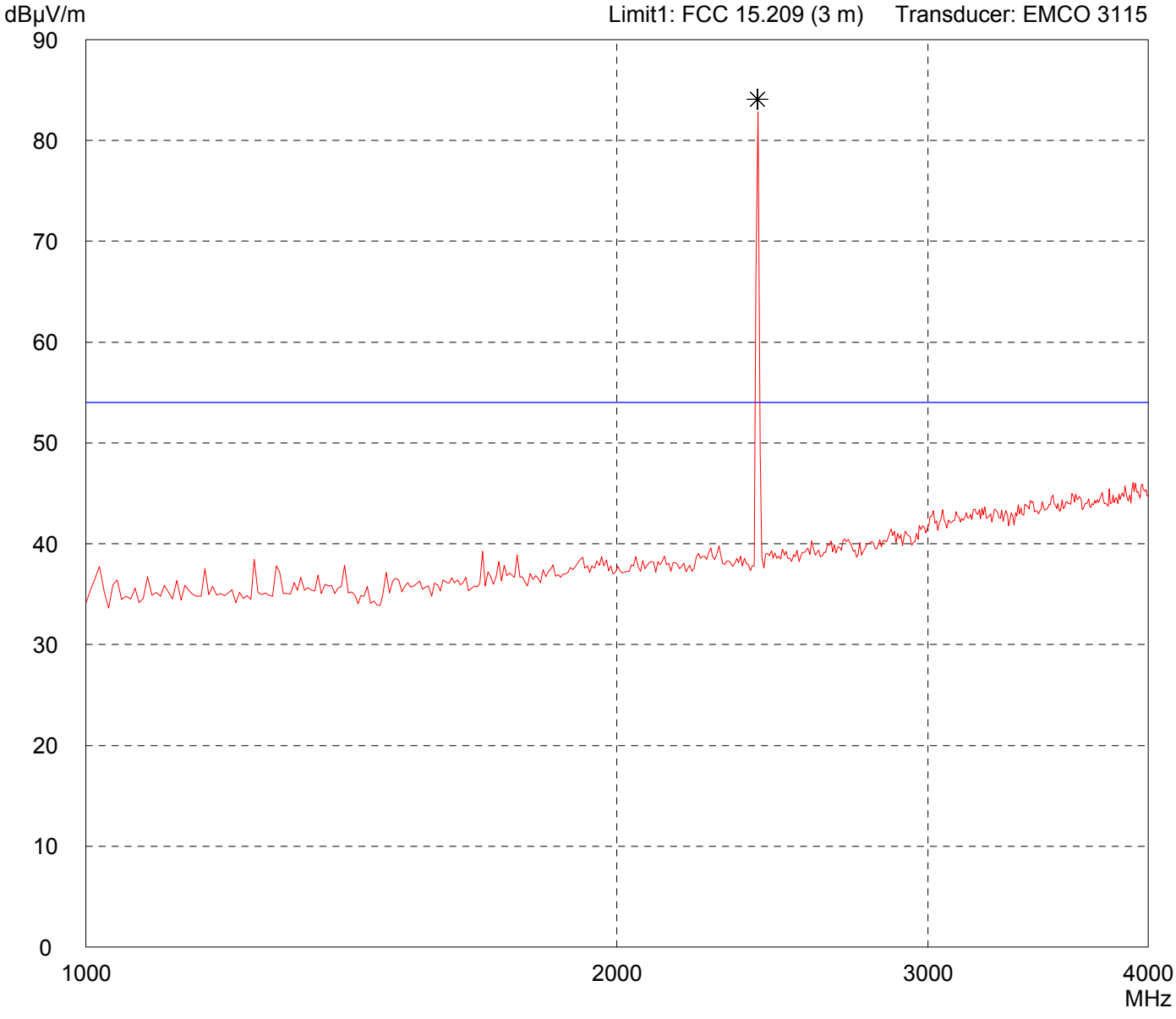


Result: Prescan	Project file: 55147-81184 Page of Pages

Senton GmbH / Aeussere Fruehlingstrasse 45 / D-94315 Straubing / Germany / Tel. +49 (0)9421 5522-0 / Fax +49 (0)9421 5522-99

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

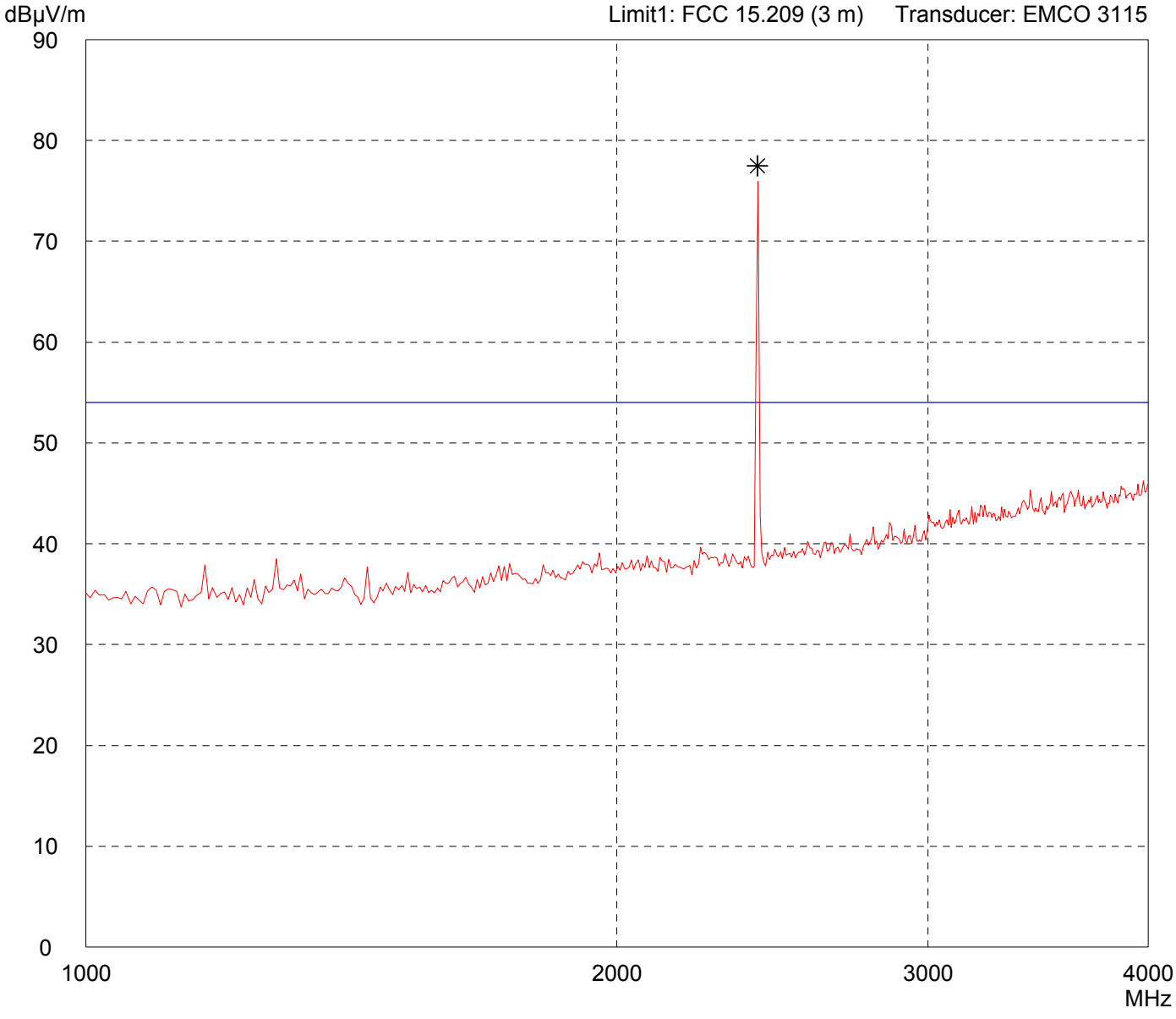
Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on lowest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 — Operator: M. Steindl	
Test performed: automatically — File name: default.emi	
Detector: Peak	List of values: Selected by hand



Result: Prescan	Project file: 55147-81184 Page of Pages

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

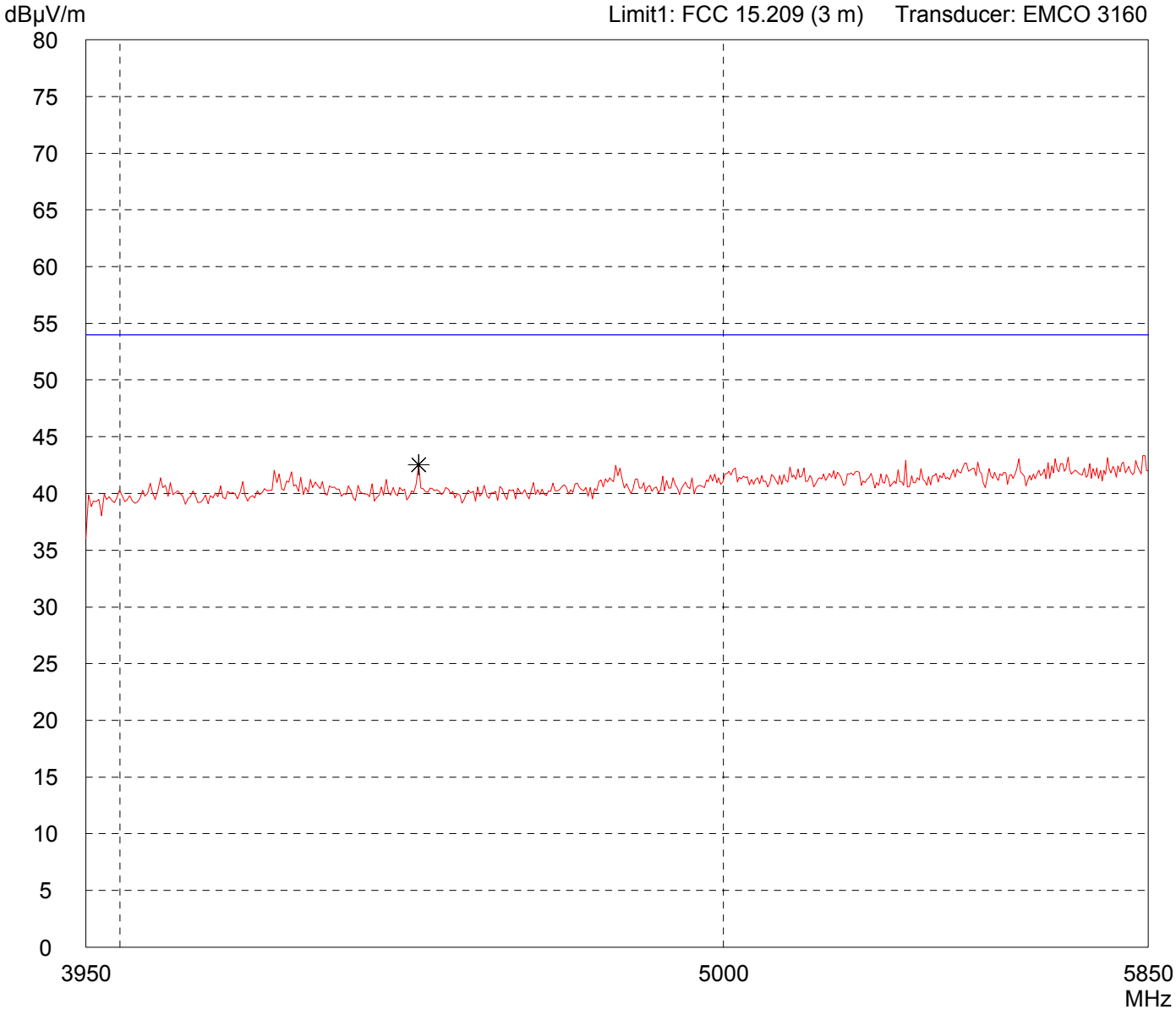
Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on lowest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 — Operator: M. Steindl	
Test performed: automatically — File name: default.emi	
Detector: Peak	List of values: Selected by hand



Result: Prescan	Project file: 55147-81184 Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on lowest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand



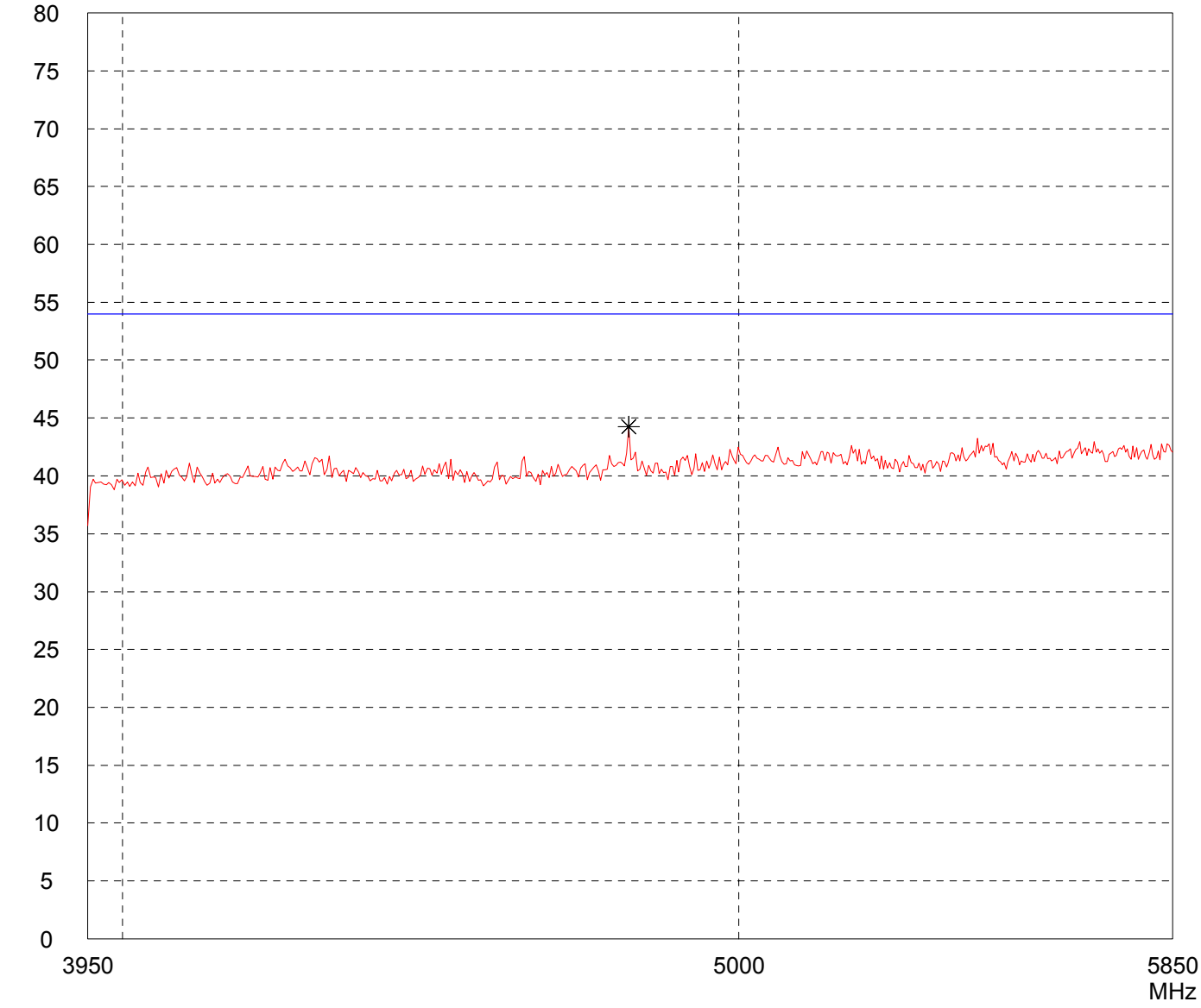
Result: Limit kept	Project file: 55147-81184 Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on lowest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

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

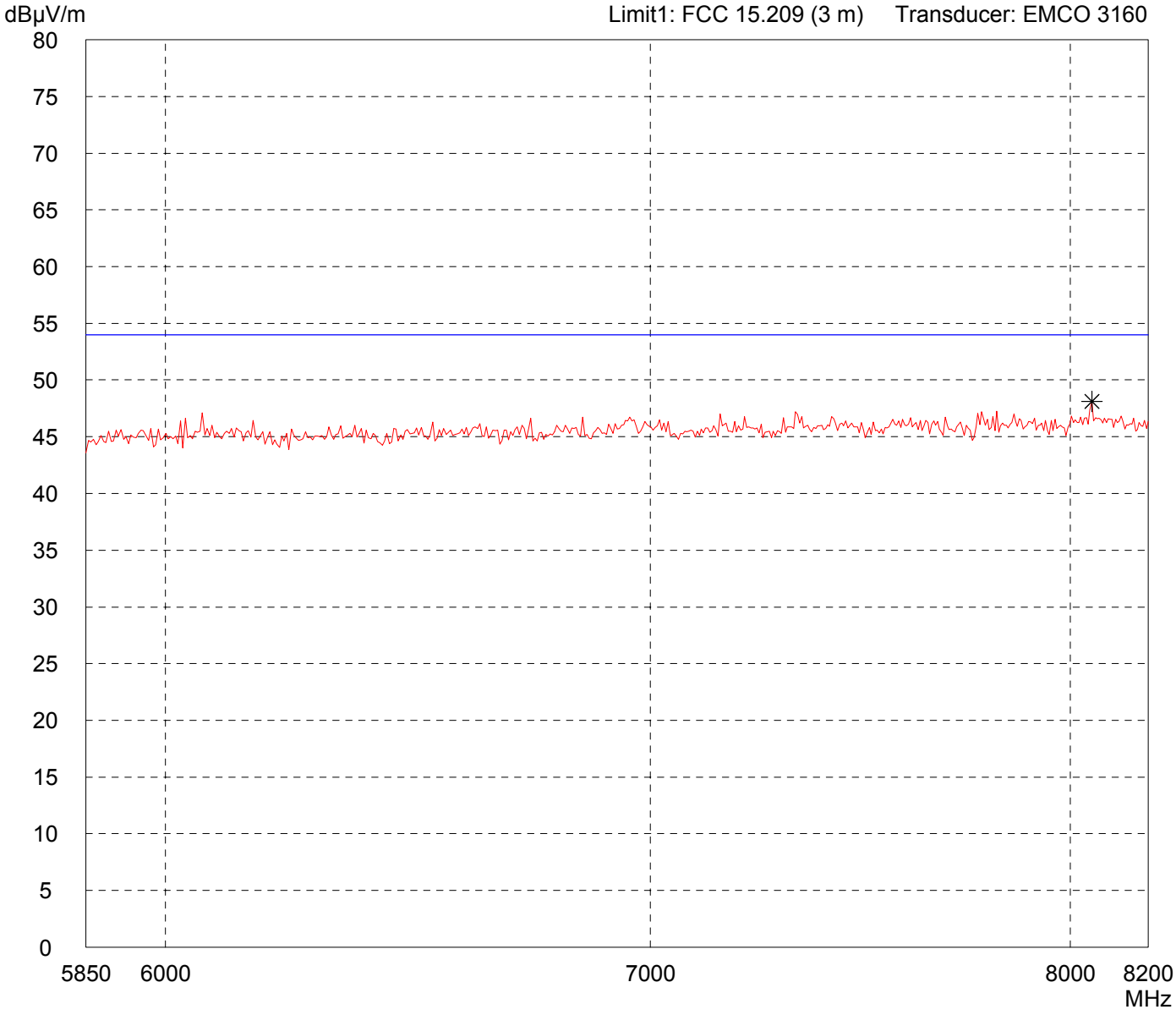
dBµV/m — Limit1: FCC 15.209 (3 m) — Transducer: EMCO 3160



Result: Prescan	Project file: 55147-81184 Page of Pages

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

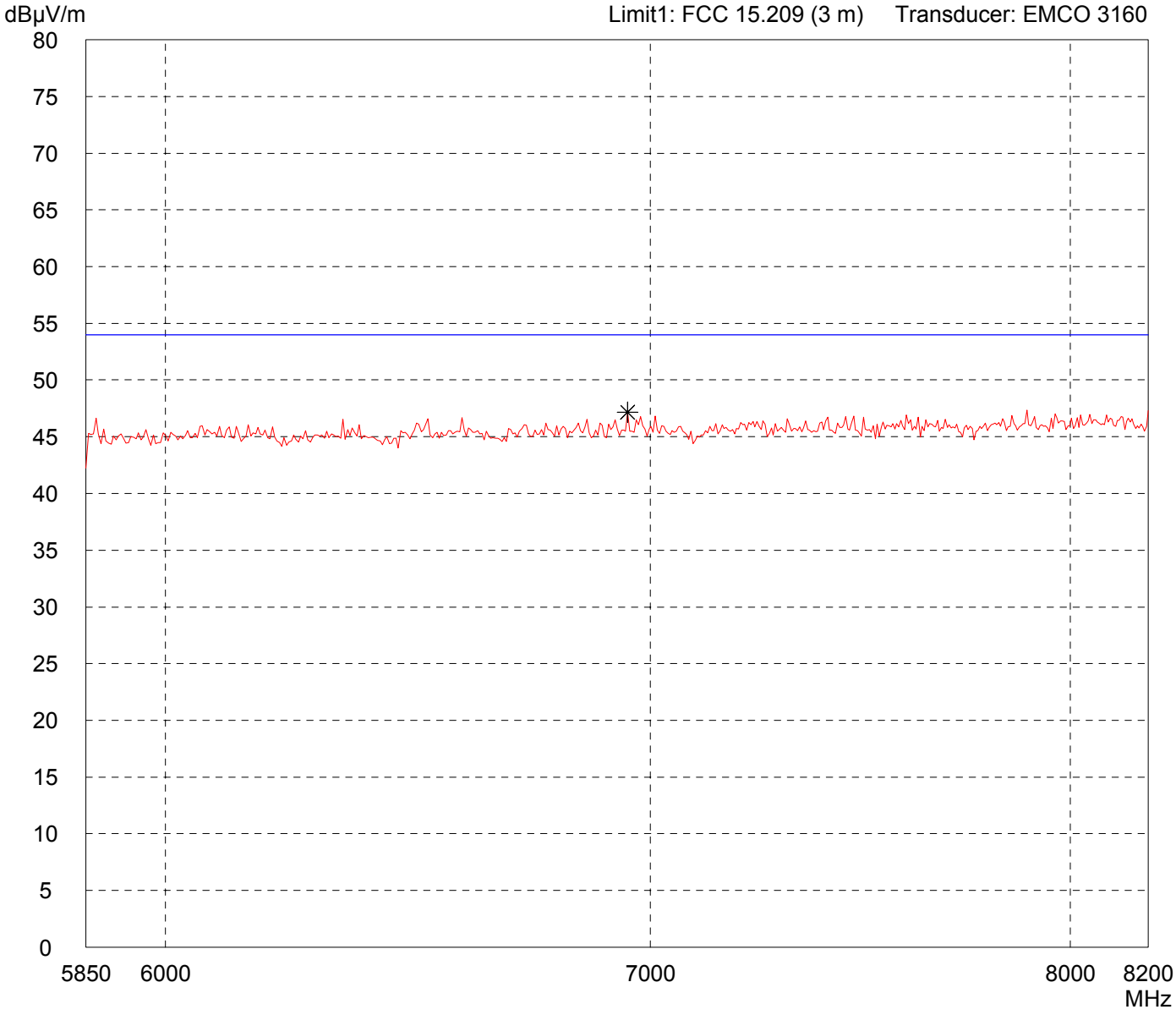
Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on lowest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand



Result: Prescan	Project file: 55147-81184 Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on lowest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand

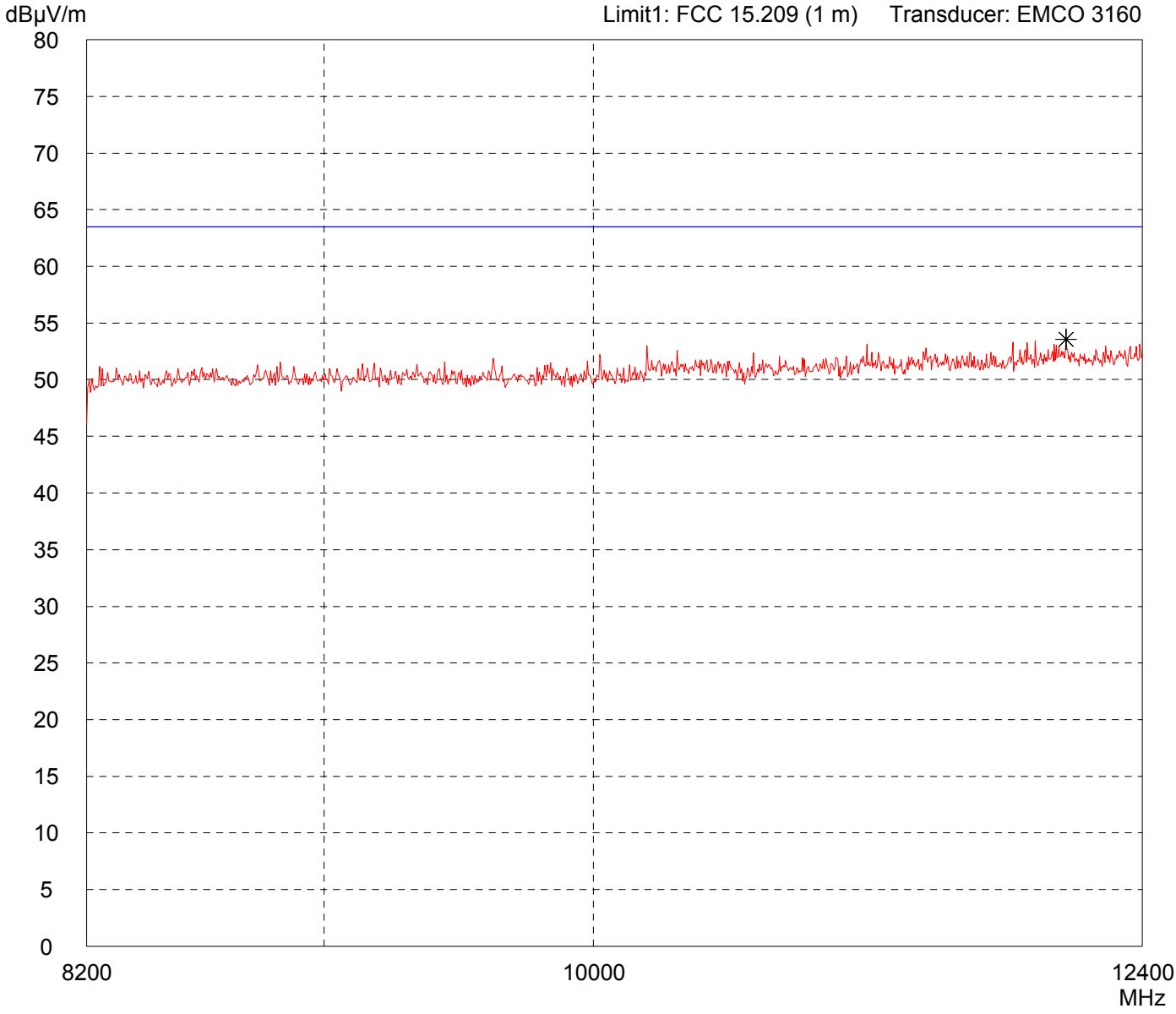


Result: Prescan	Project file: 55147-81184 Page of Pages

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 Subpart C (FAR)

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on lowest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

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

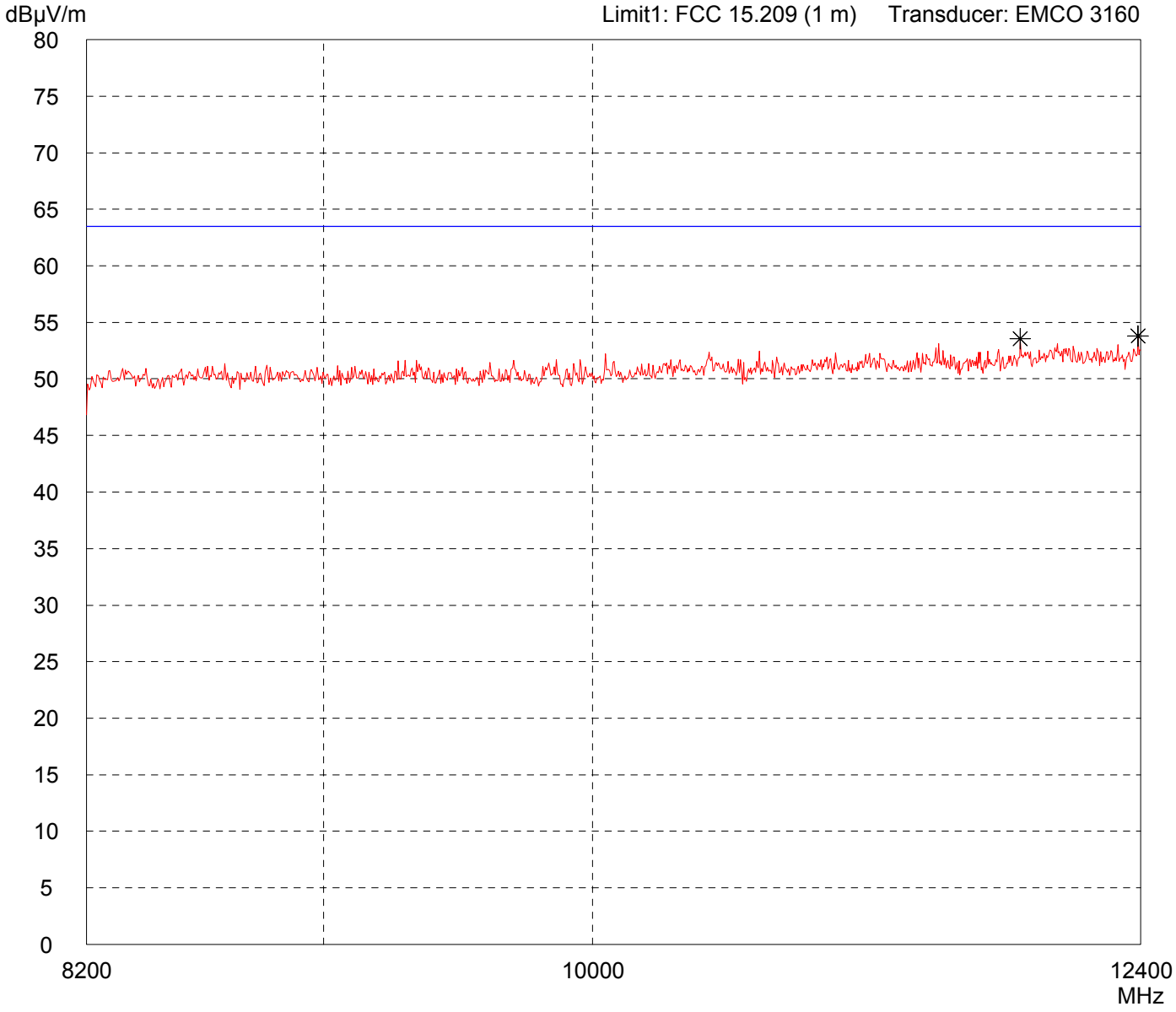


Result: Prescan	Project file: 55147-81184 Page of Pages

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 Subpart C (FAR)

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on lowest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

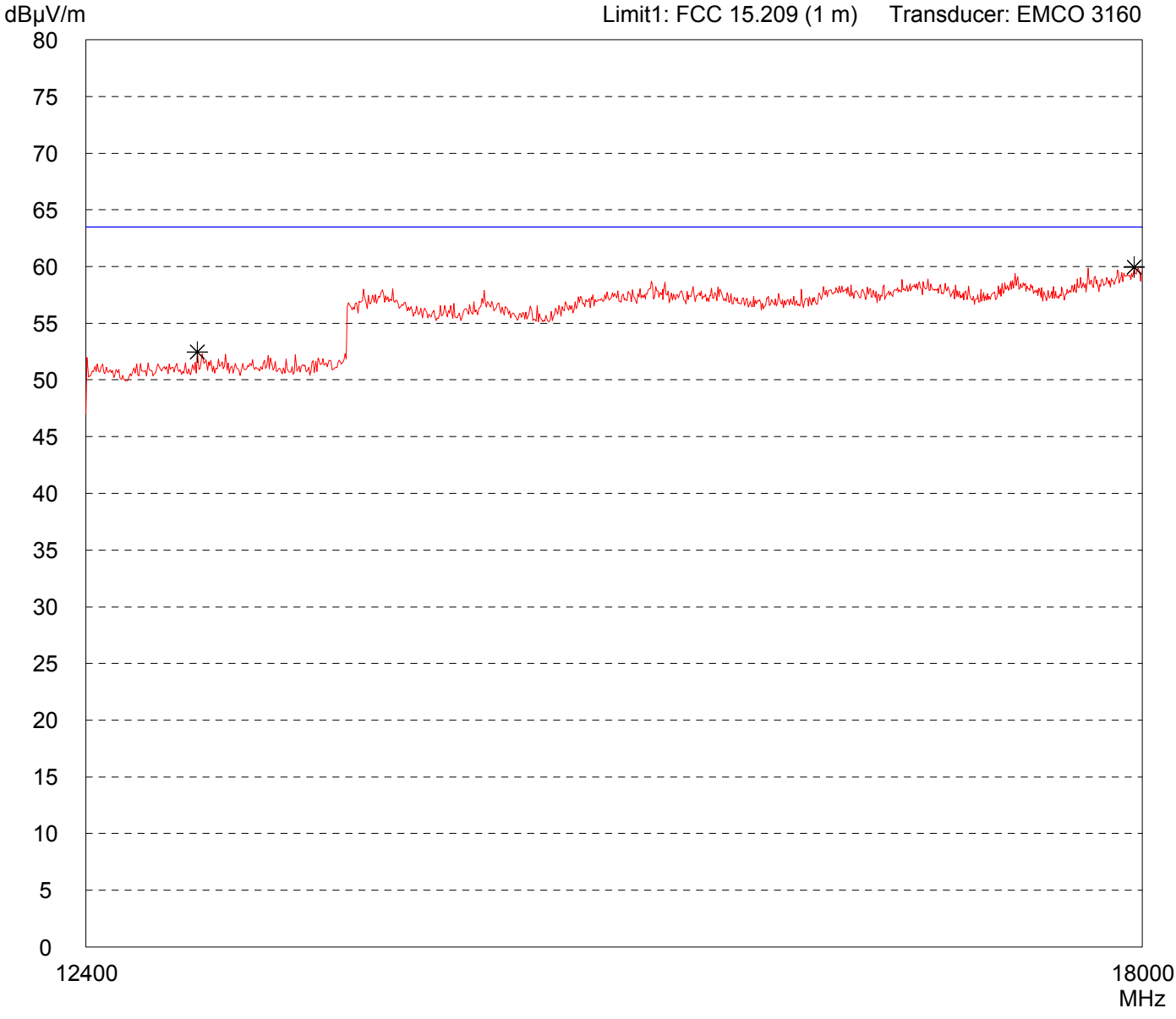
Detector: Peak	List of values: 10 dB Margin / 50 Subranges



Result: Prescan	Project file: 55147-81184 Page of Pages

Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 Subpart C (FAR)

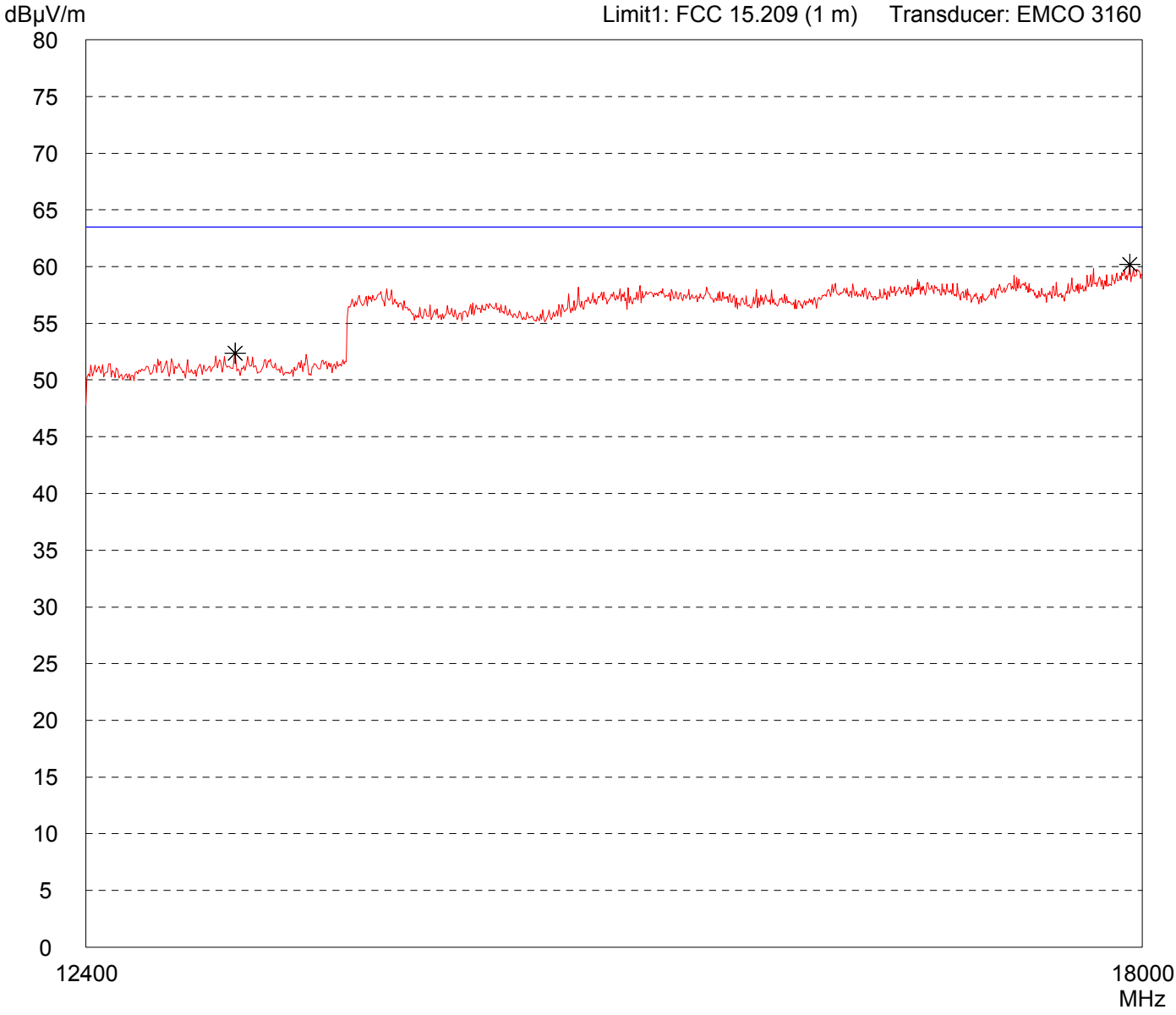
Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on lowest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand



Result: Prescan - VBW = 100 kHz	Project file: 55147-81184 Page of Pages

Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 Subpart C (FAR)

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on lowest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand

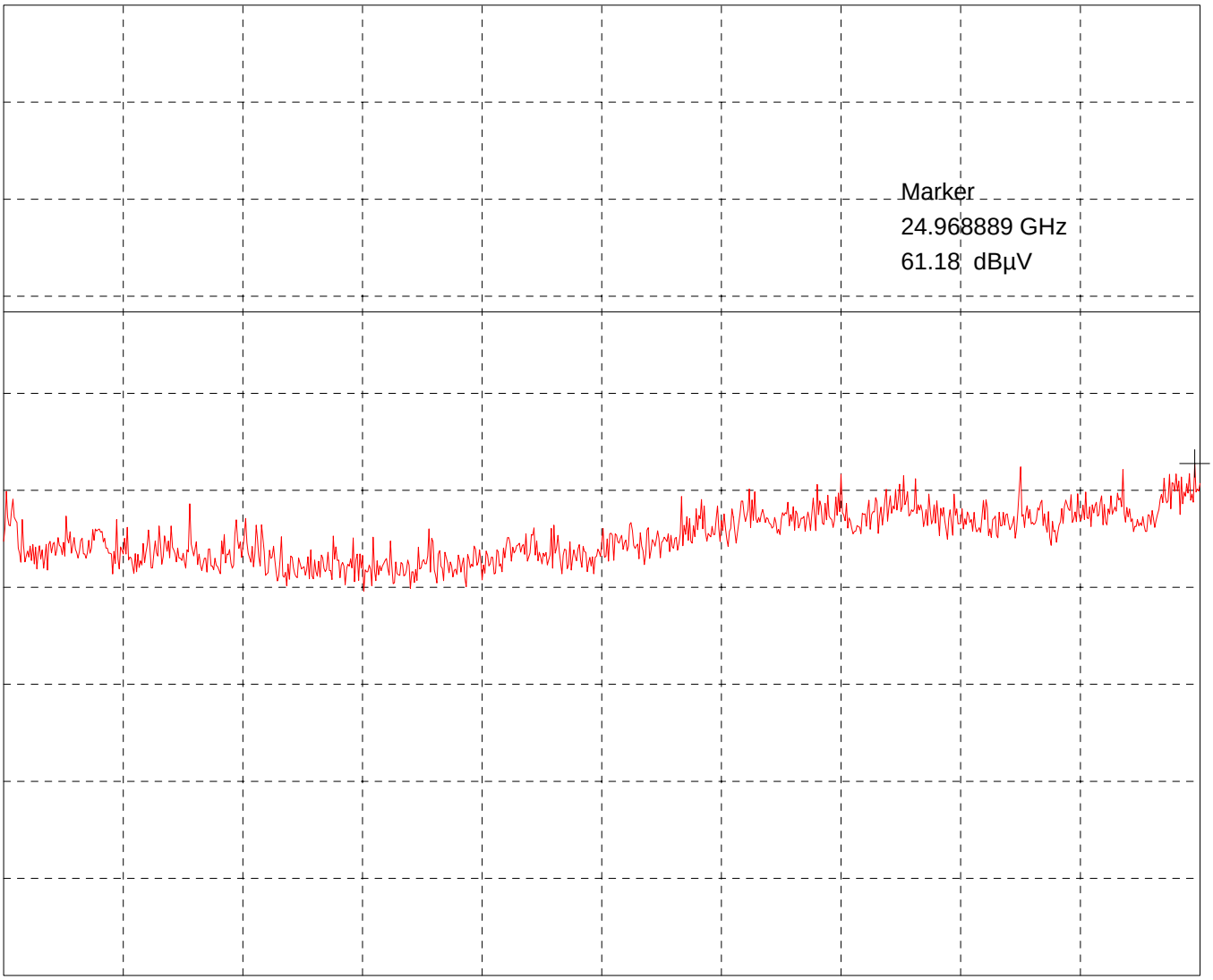


Result: Prescan - VBW = 100 kHz	Project file: 55147-81184 Page of Pages

Radiated Emission Test acc. to FCC Part 15 Subpart C

Model: Ford Works	Mode: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on lowest channel - Distance: 0.5 m - Polarisation: horizontal
Serial No.: 23/09/2008	
Applicant: Fakt S.r.l.	

Ref.Level 84.8 dBµV ATT 0 dB Ref. Offset 42.8 dB
5 dB/Div.



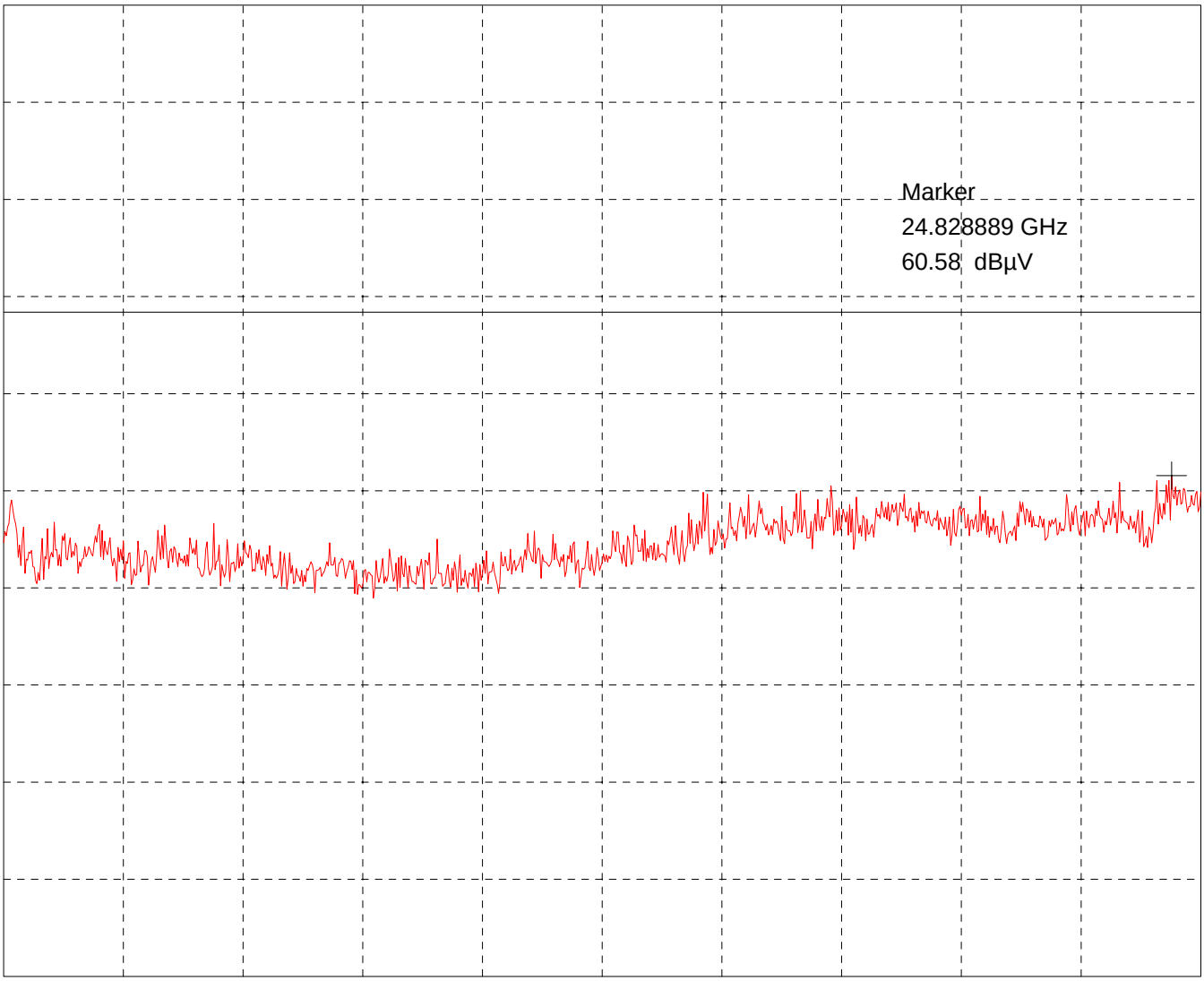
Start 18.000 GHz Stop 25.000 GHz
RBW 1 MHz VBW 1 MHz SWP 40 ms

Tested by: M. Steidnl	Project-No.: 55147-081184
Date: 2008/09/30	Page of pages

Radiated Emission Test acc. to FCC Part 15 Subpart C

Model: Ford Works	Mode: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on lowest channel - Distance: 0.5 m - Polarisation: vertical
Serial No.: 23/09/2008	
Applicant: Fakt S.r.l.	

Ref.Level 84.8 dBµV ATT 0 dB Ref. Offset 42.8 dB
5 dB/Div.



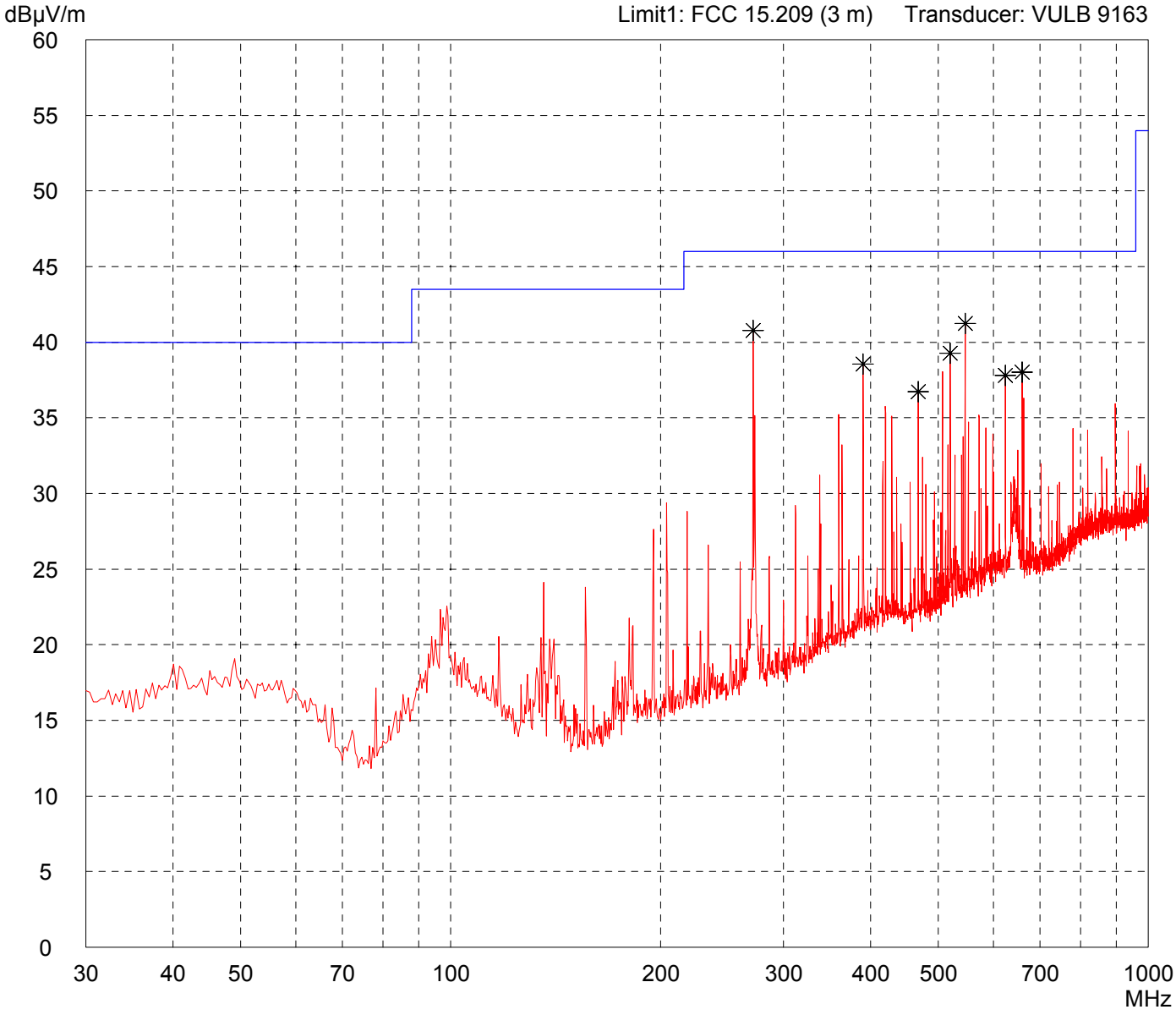
Start 18.000 GHz Stop 25.000 GHz
RBW 1 MHz VBW 1 MHz SWP 40 ms

Tested by: M. Steidnl	Project-No.: 55147-081184
Date: 2008/09/30	Page of pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on middle channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

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



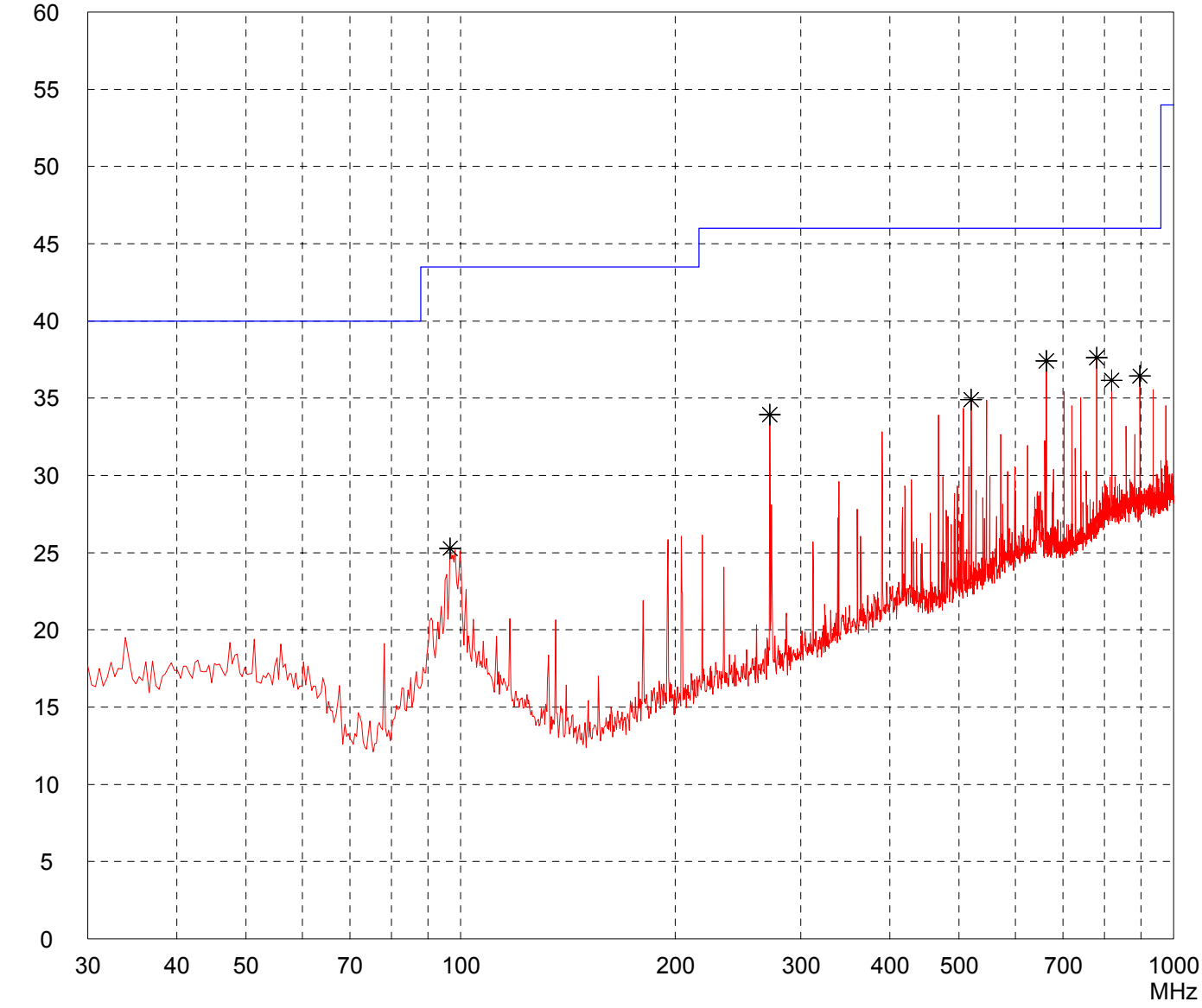
Result: Prescan	Project file: 55147-81184 / Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on middle channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 — Operator: M. Steindl	
Test performed: automatically — File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m — Limit1: FCC 15.209 (3 m) — Transducer: VULB 9163

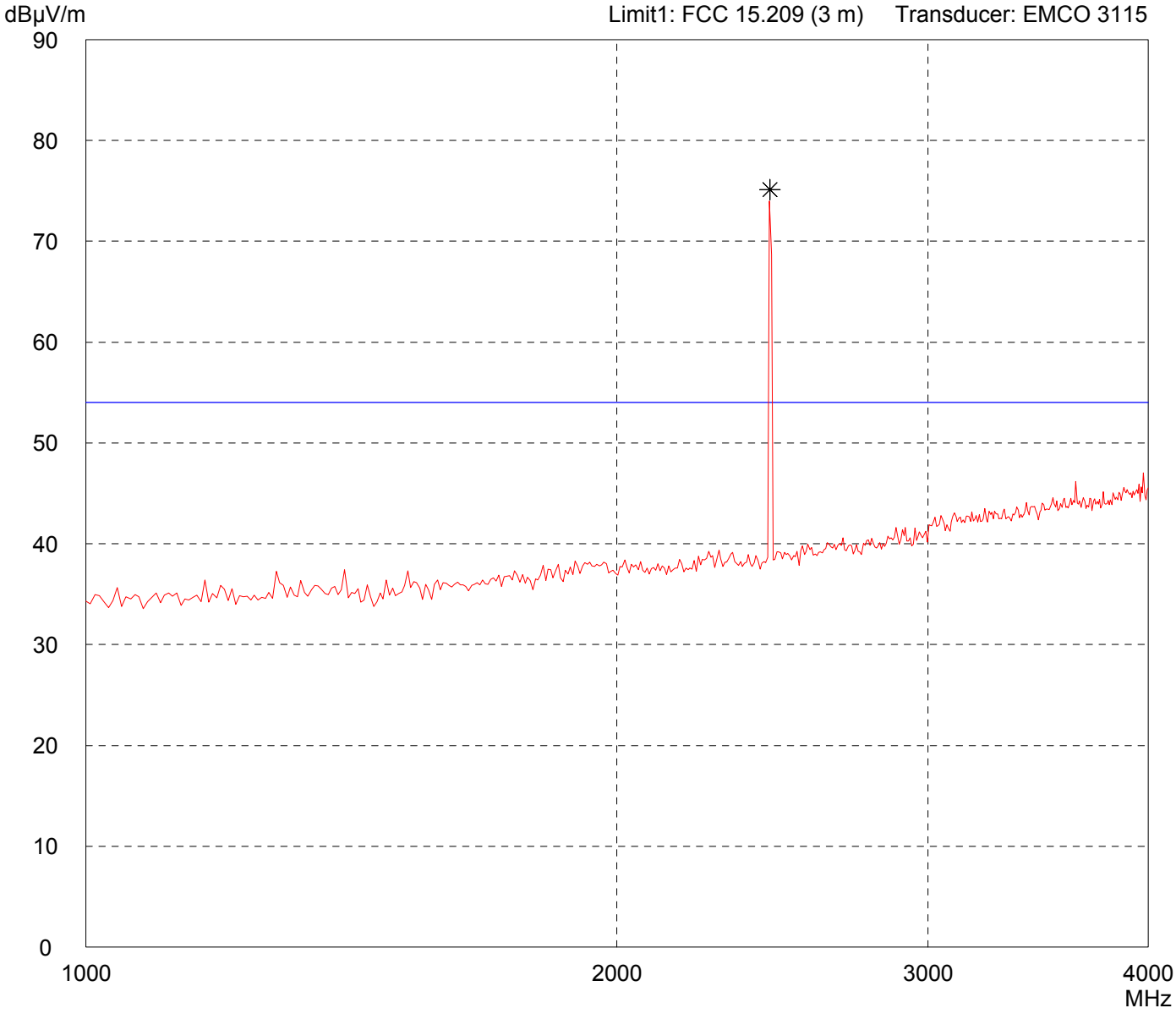


Result: Prescan	Project file: 55147-81184 — Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on middle channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 — Operator: M. Steindl	
Test performed: automatically — File name: default.emi	

Detector: Peak	List of values: Selected by hand

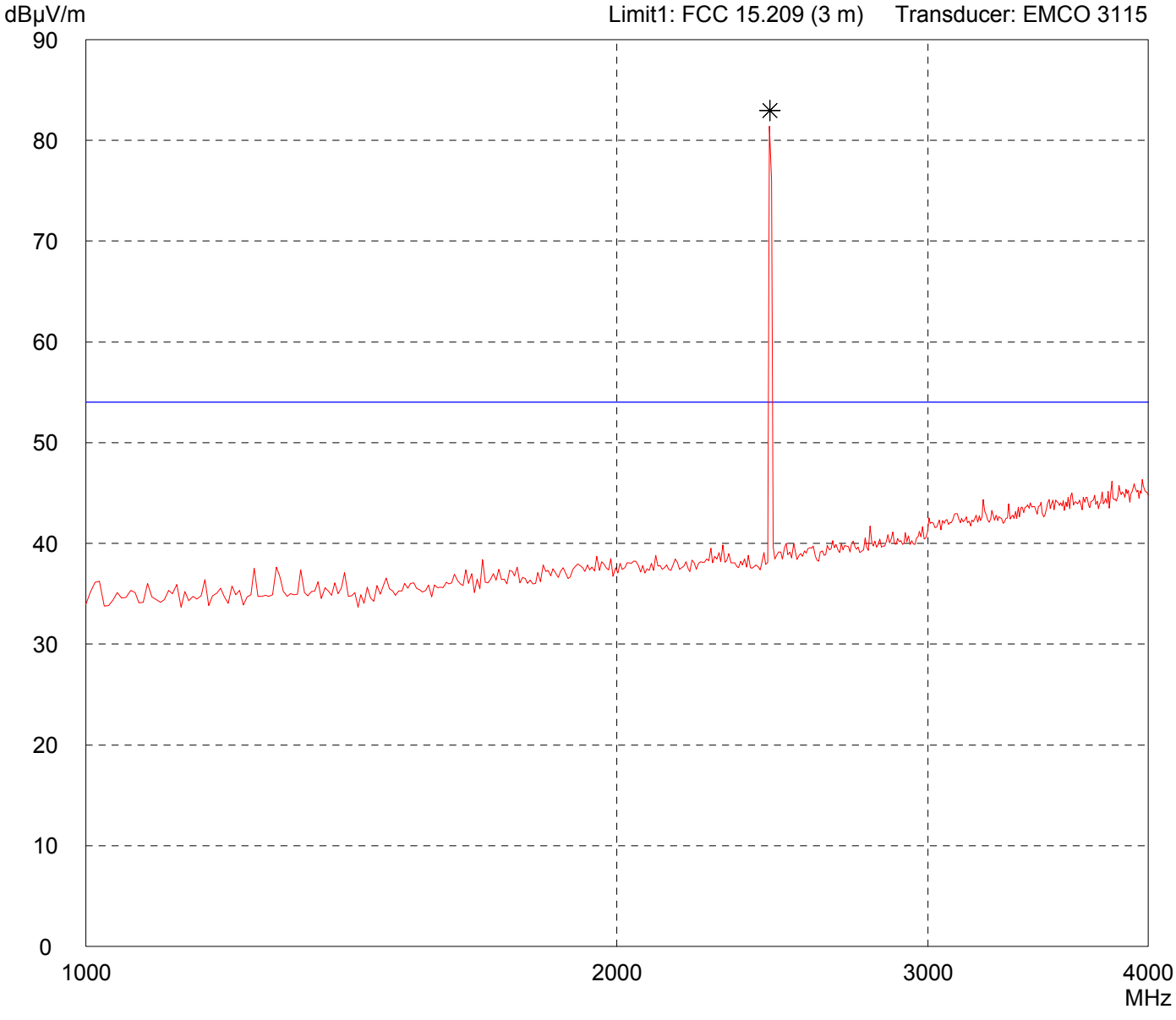


Result: Prescan	Project file: 55147-81184 Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on middle channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

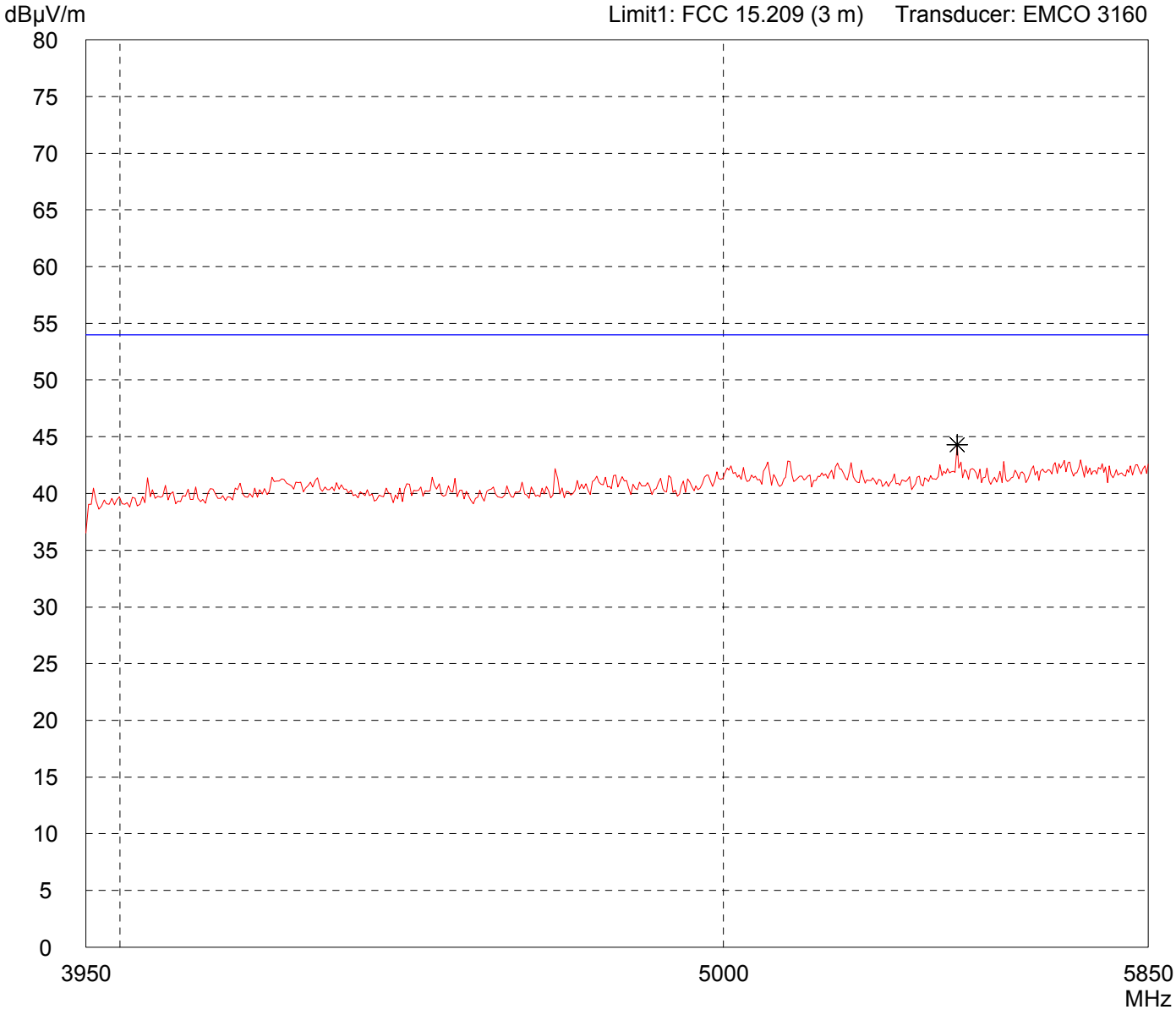


Result: Prescan	Project file: 55147-81184 Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on middle channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

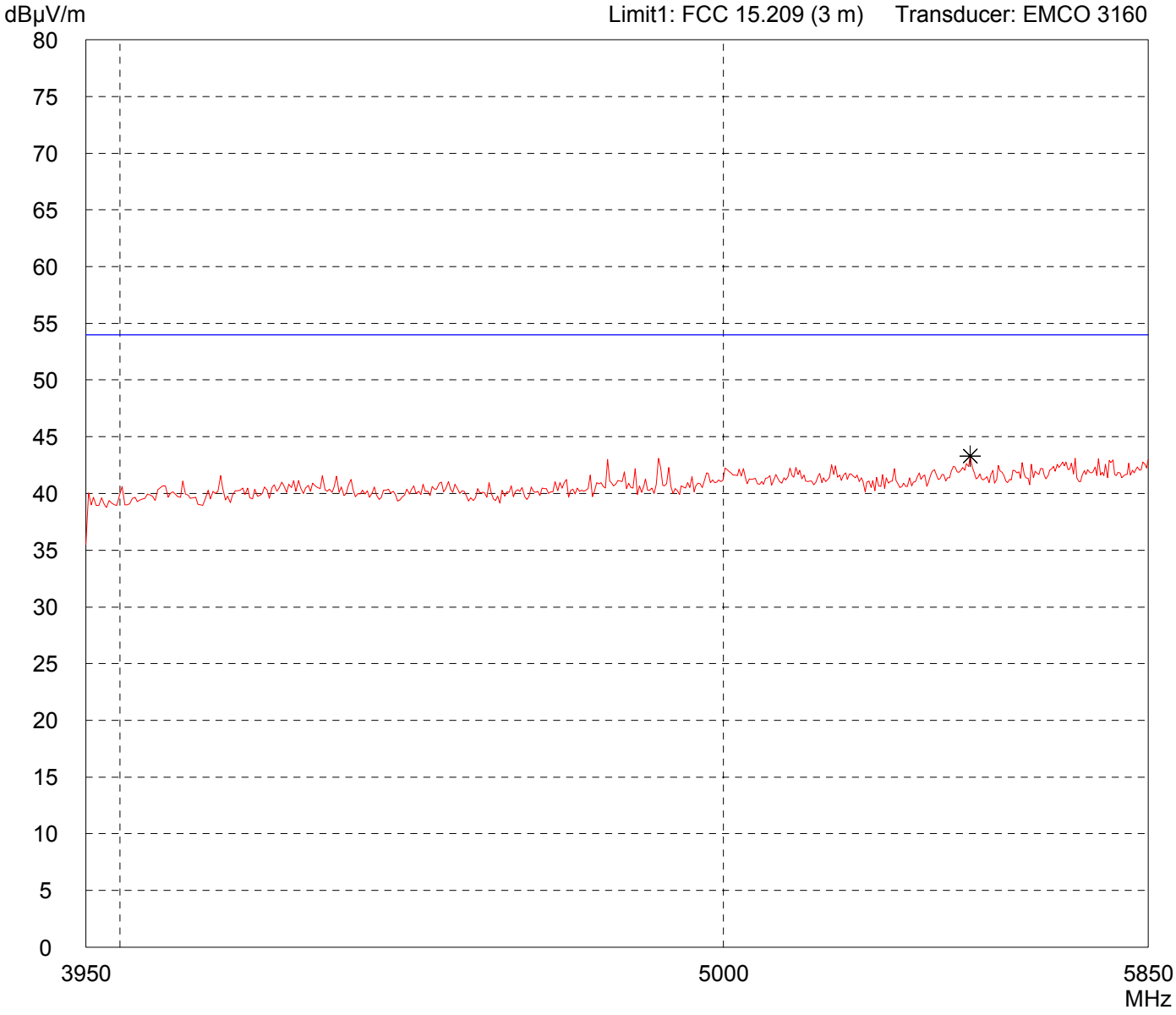
Detector: Peak	List of values: 10 dB Margin / 50 Subranges



Result: Prescan	Project file: 55147-81184 Page of Pages

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

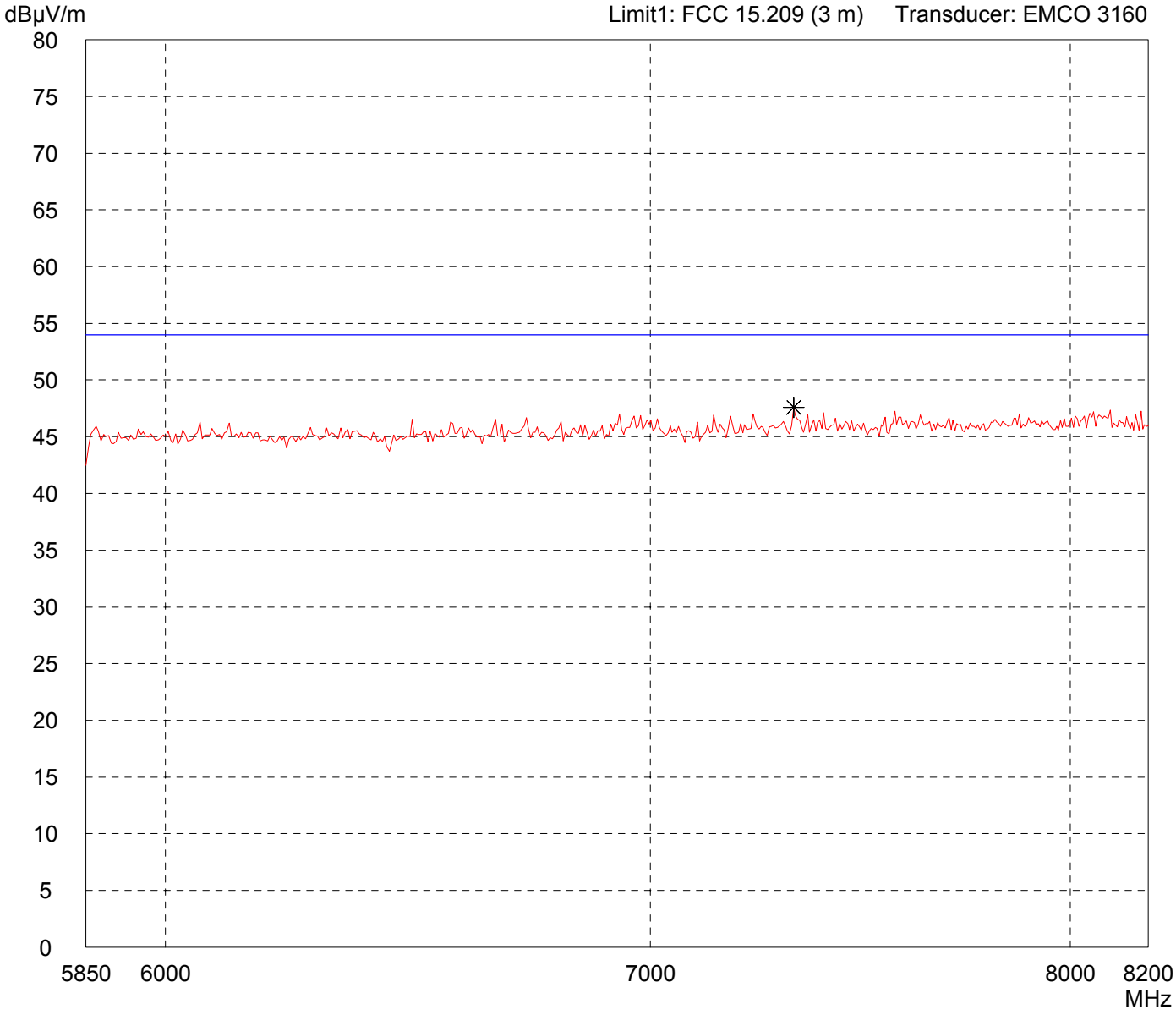
Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on middle channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand



Result: Prescan	Project file: 55147-81184 Page of Pages

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

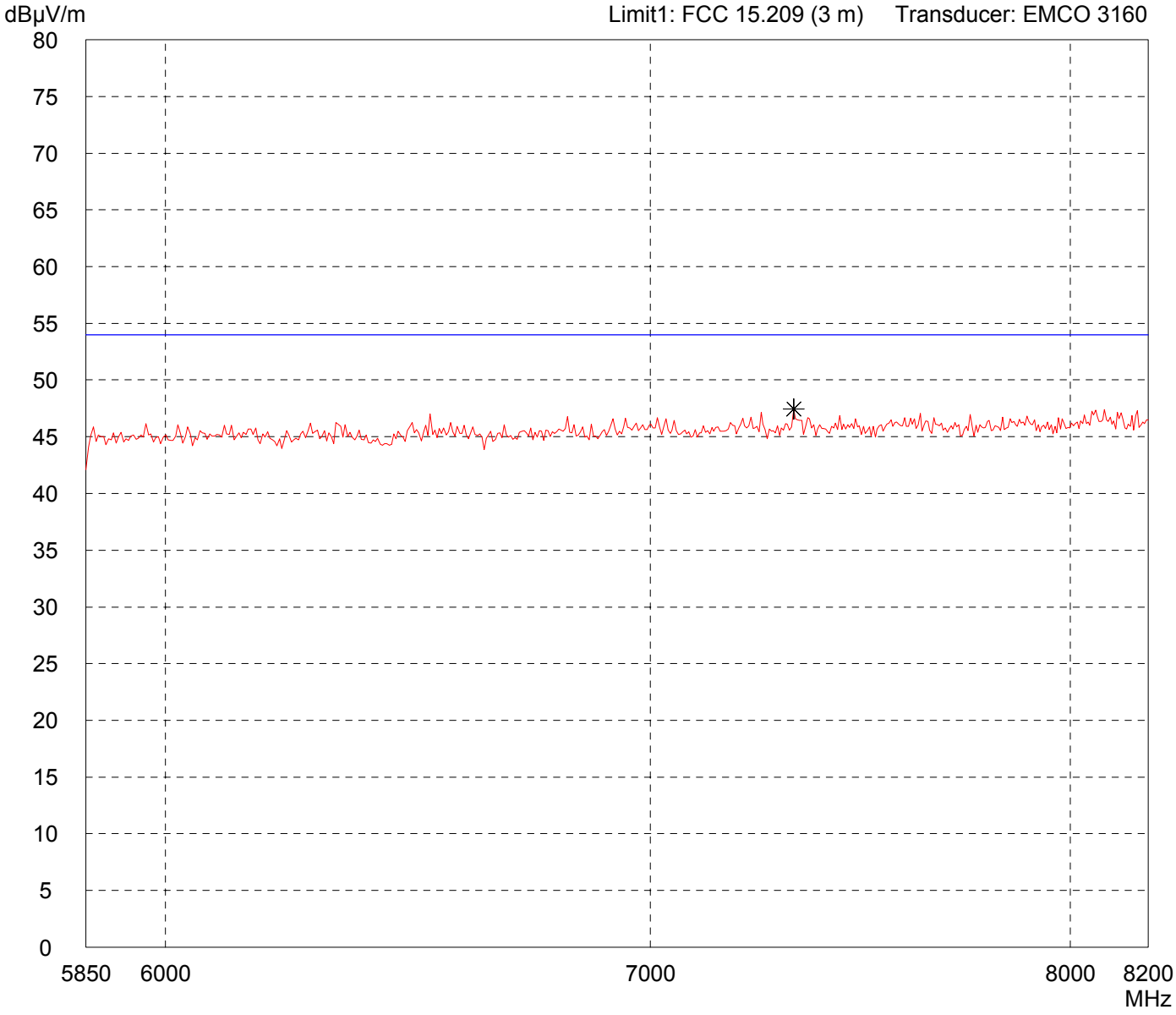
Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on middle channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand



Result: Prescan	Project file: 55147-81184 Page of Pages

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

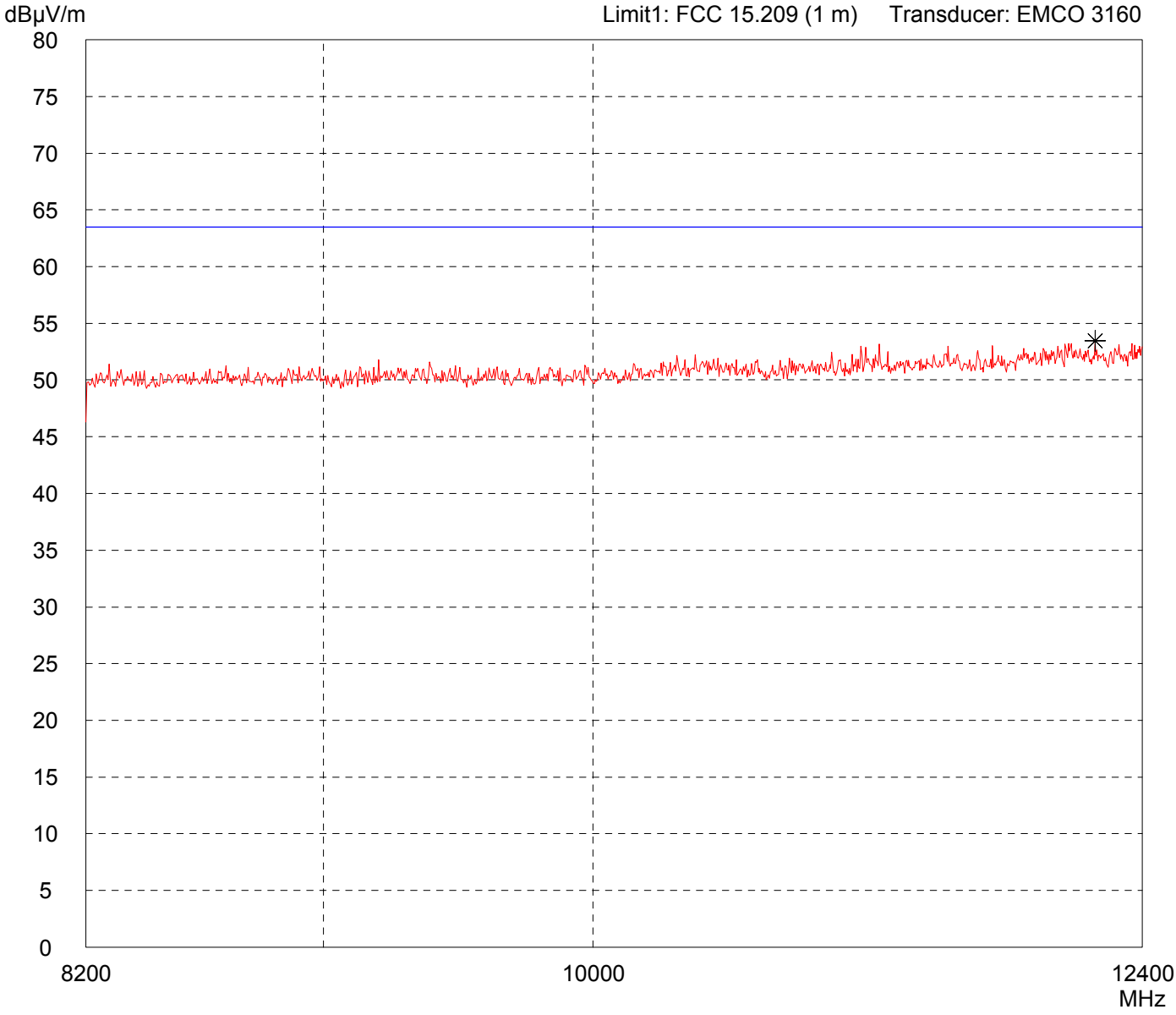
Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on middle channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand



Result: Prescan	Project file: 55147-81184 Page of Pages

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 Subpart C (FAR)

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on middle channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand

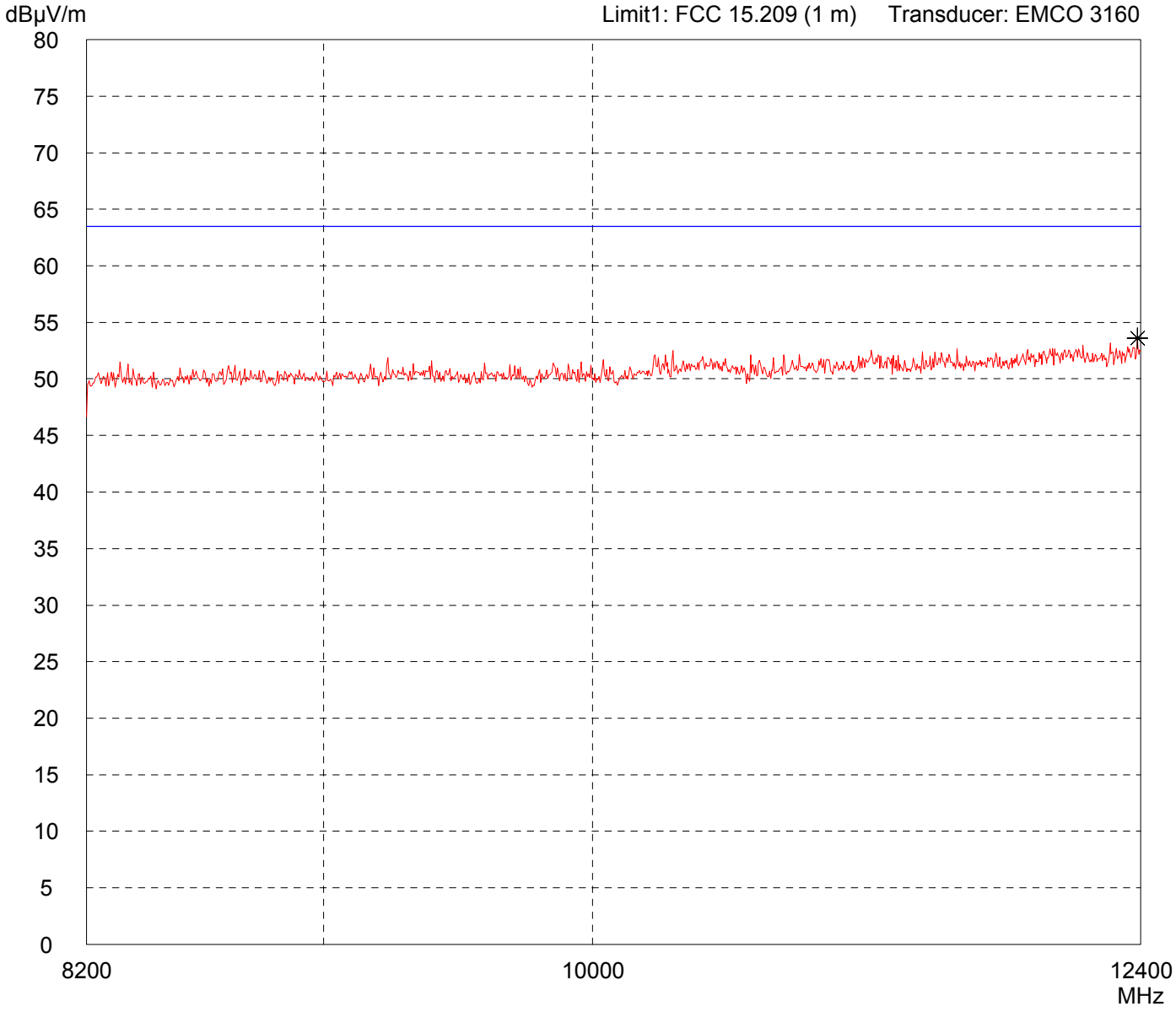


Result: Prescan	Project file: 55147-81184 Page of Pages

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 Subpart C (FAR)

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on middle channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

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

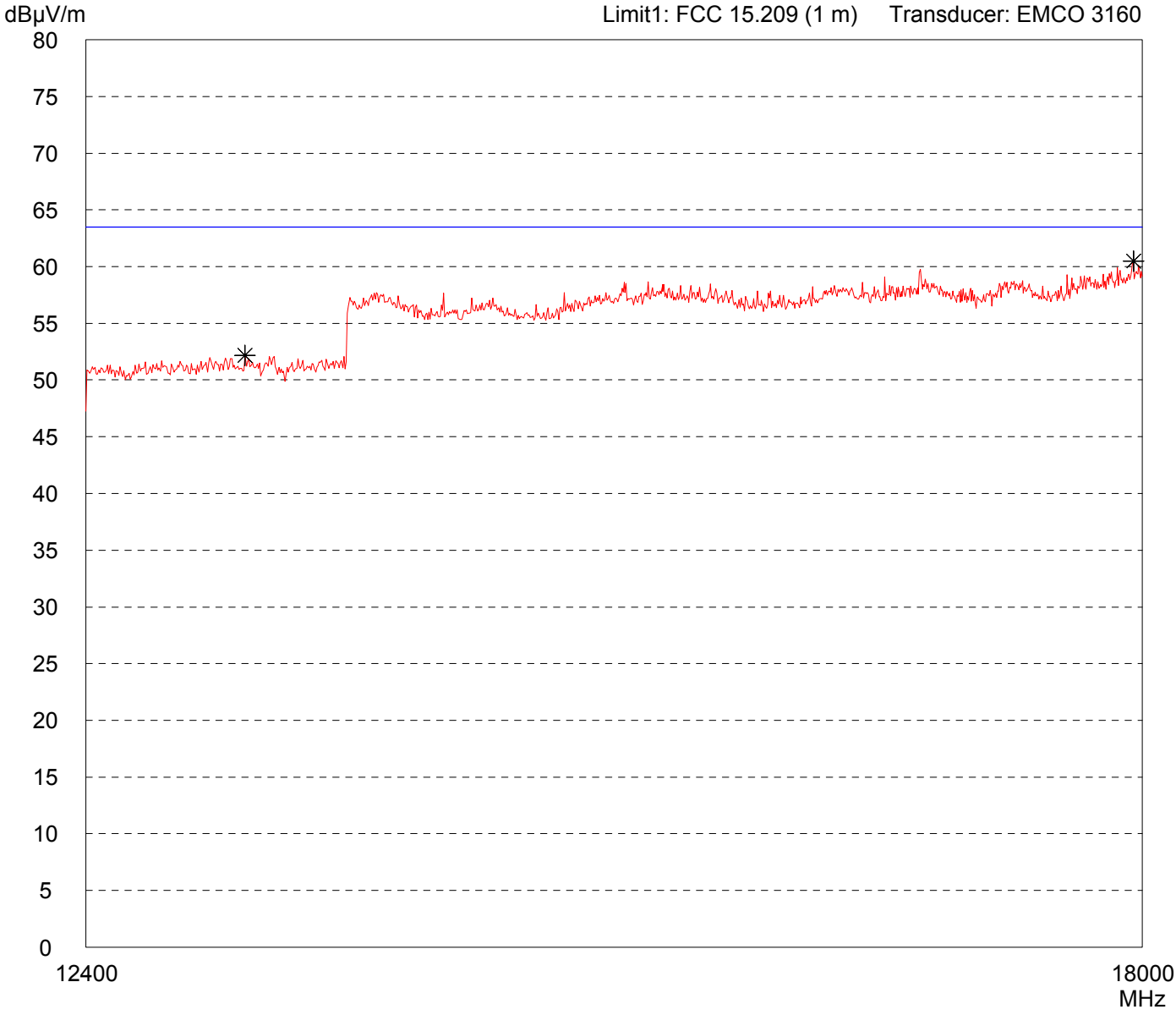


Result: Prescan	Project file: 55147-81184 Page of Pages

Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 Subpart C (FAR)

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on middle channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand



Result: Prescan	Project file: 55147-81184 Page of Pages

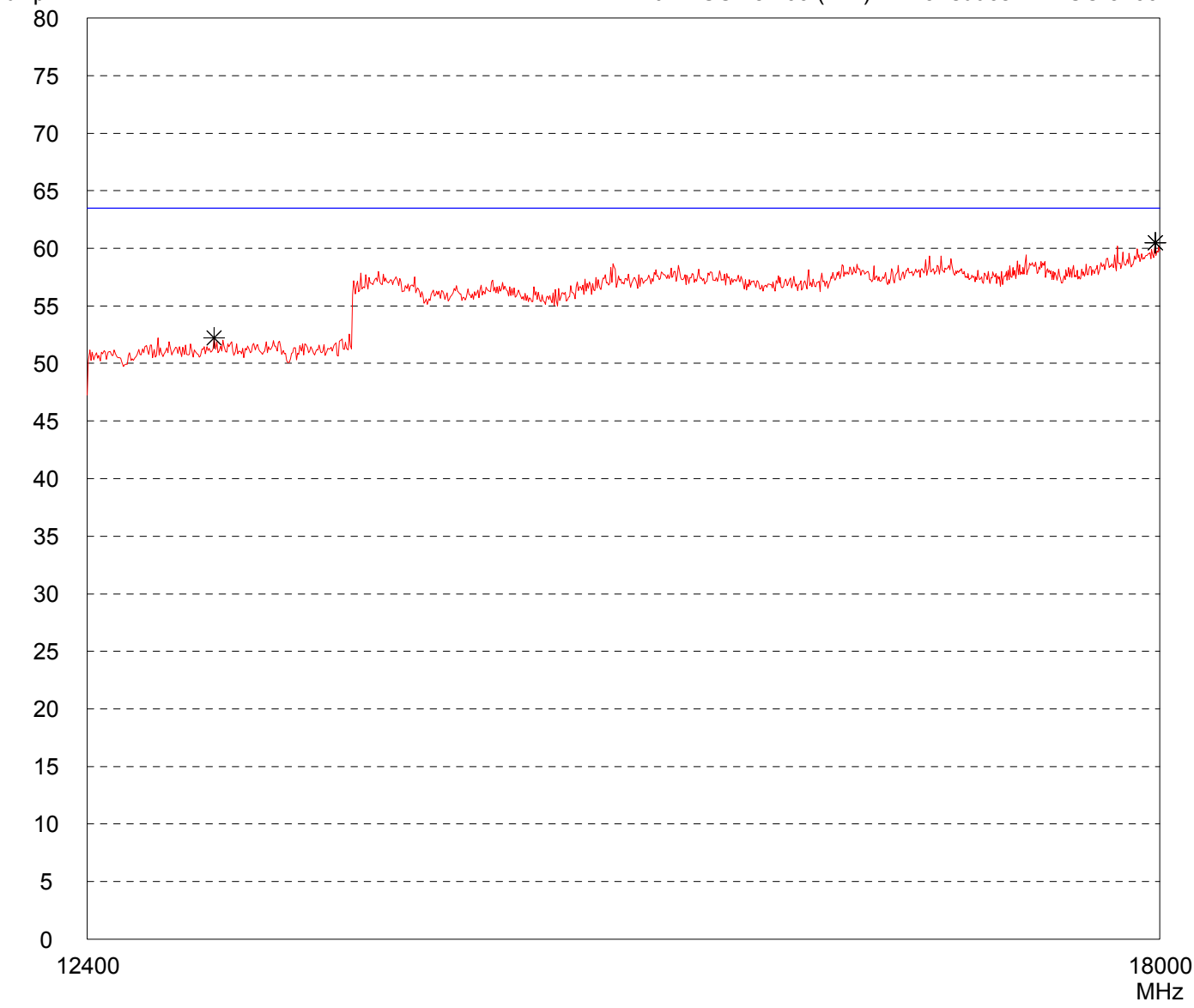
Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 Subpart C (FAR)

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on middle channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

Limit1: FCC 15.209 (1 m) Transducer: EMCO 3160

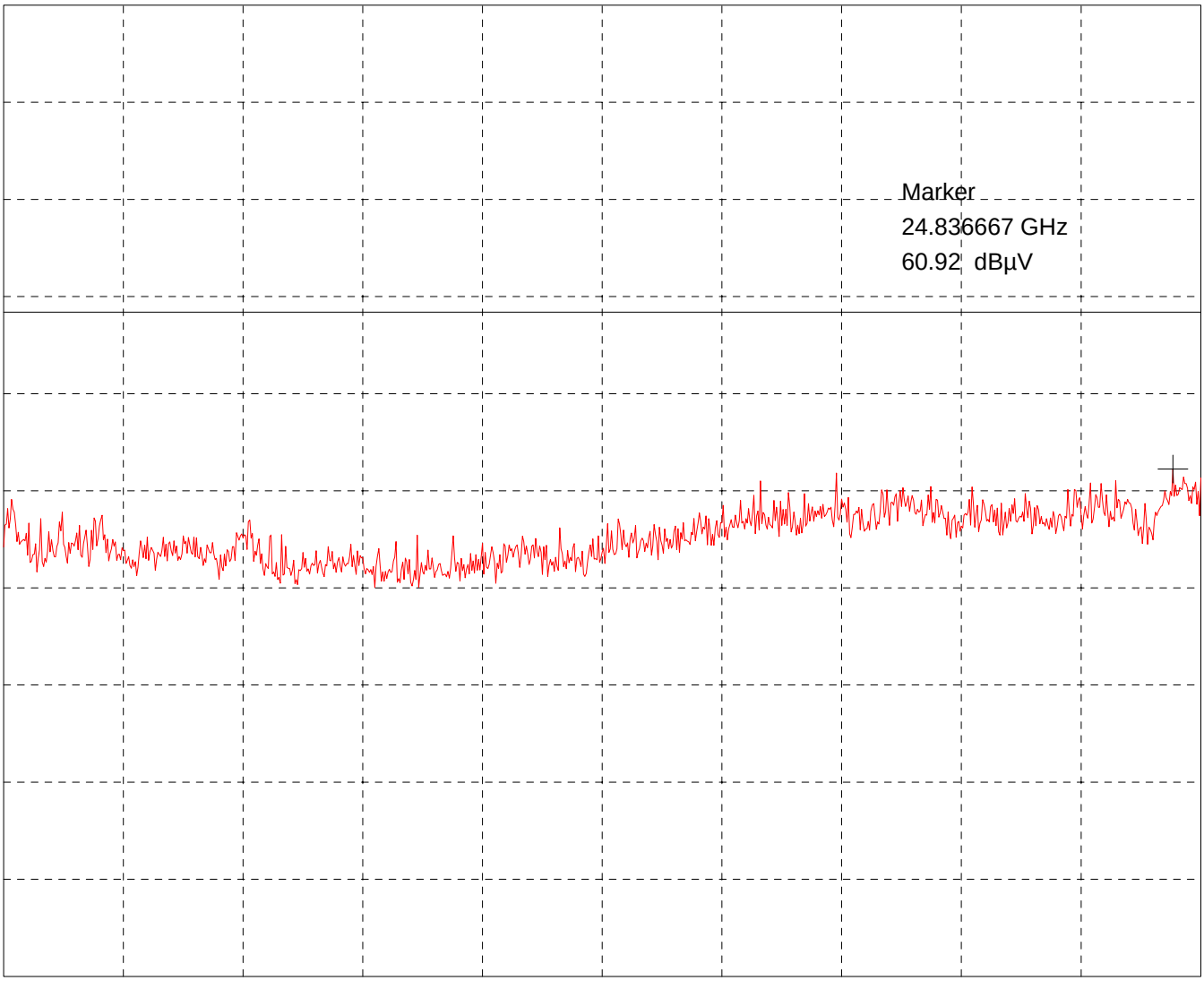


Result: Prescan (VBW = 100 kHz)	Project file: 55147-81184 Page of Pages

Radiated Emission Test acc. to FCC Part 15 Subpart C

Model: Ford Works	Mode: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on middle channel - Distance: 0.5 m - Polarisation: horizontal
Serial No.: 23/09/2008	
Applicant: Fakt S.r.l.	

Ref.Level 84.8 dBµV ATT 0 dB Ref. Offset 42.8 dB
5 dB/Div.



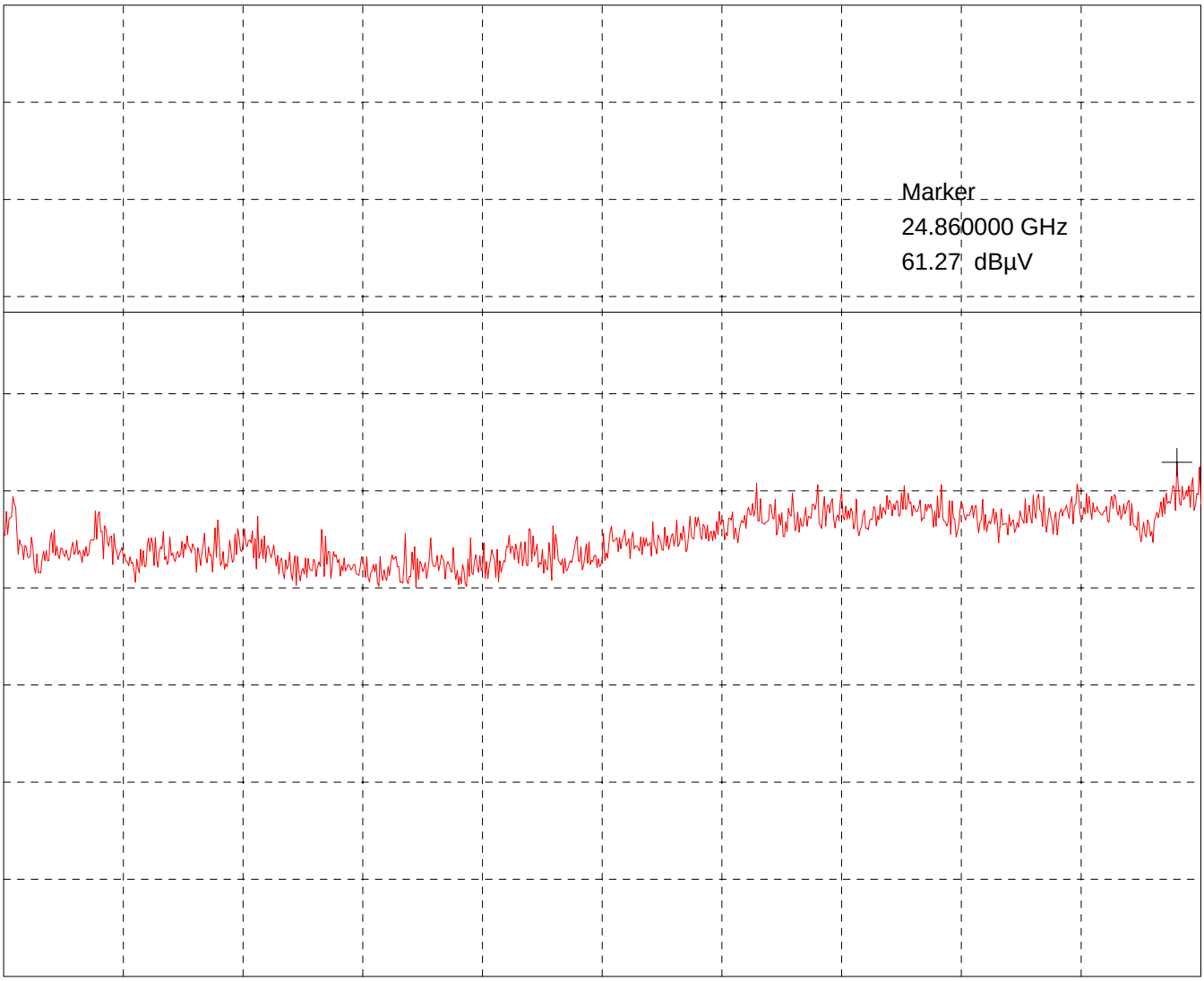
Start 18.000 GHz Stop 25.000 GHz
RBW 1 MHz VBW 1 MHz SWP 40 ms

Tested by: M. Steidnl	Project-No.: 55147-081184
Date: 2008/09/30	Page of pages

Radiated Emission Test acc. to FCC Part 15 Subpart C

Model: Ford Works	Mode: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on middle channel - Distance: 0.5 m - Polarisation: vertical
Serial No.: 23/09/2008	
Applicant: Fakt S.r.l.	

Ref.Level 84.8 dBµV ATT 0 dB Ref. Offset 42.8 dB
5 dB/Div.



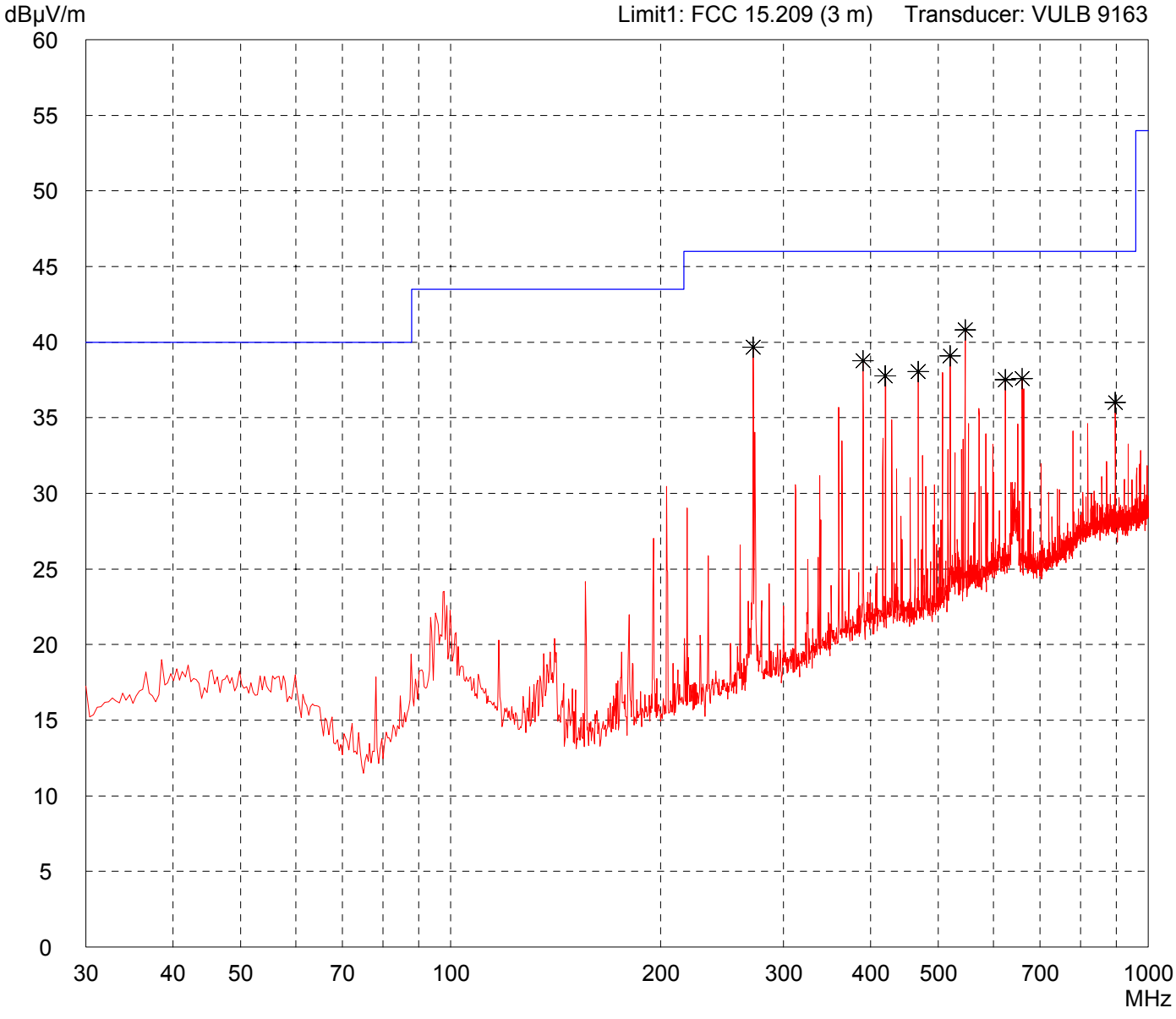
Start 18.000 GHz Stop 25.000 GHz
RBW 1 MHz VBW 1 MHz SWP 40 ms

Tested by: M. Steidnl	Project-No.: 55147-081184
Date: 2008/09/30	Page of pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on highest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 — Operator: M. Steindl	
Test performed: automatically — File name: default.emi	

Detector: Peak	List of values: 10 dB Margin — 50 Subranges



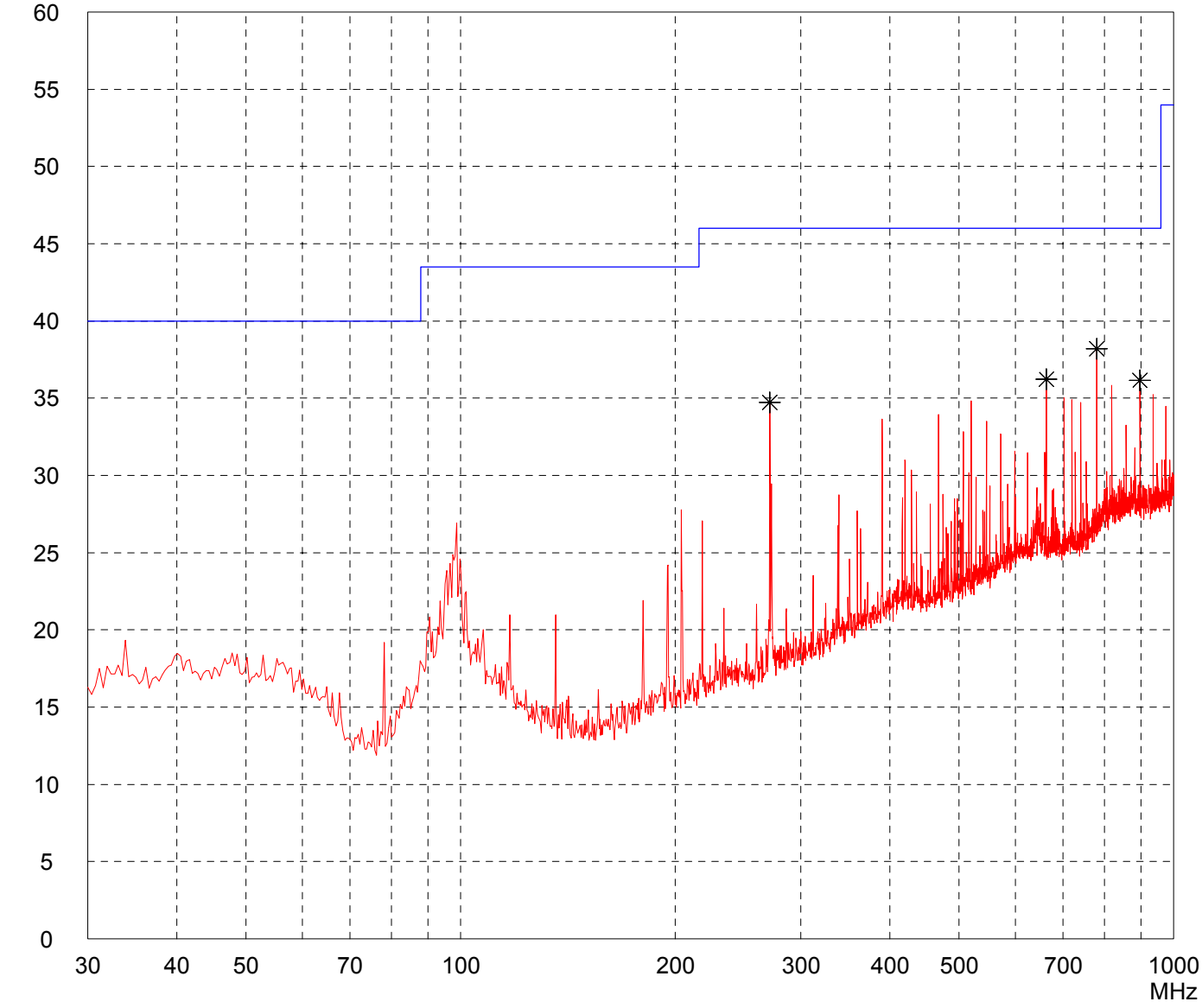
Result: Prescan	Project file: 55147-81184 — Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on highest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 — Operator: M. Steindl	
Test performed: automatically — File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m — Limit1: FCC 15.209 (3 m) — Transducer: VULB 9163

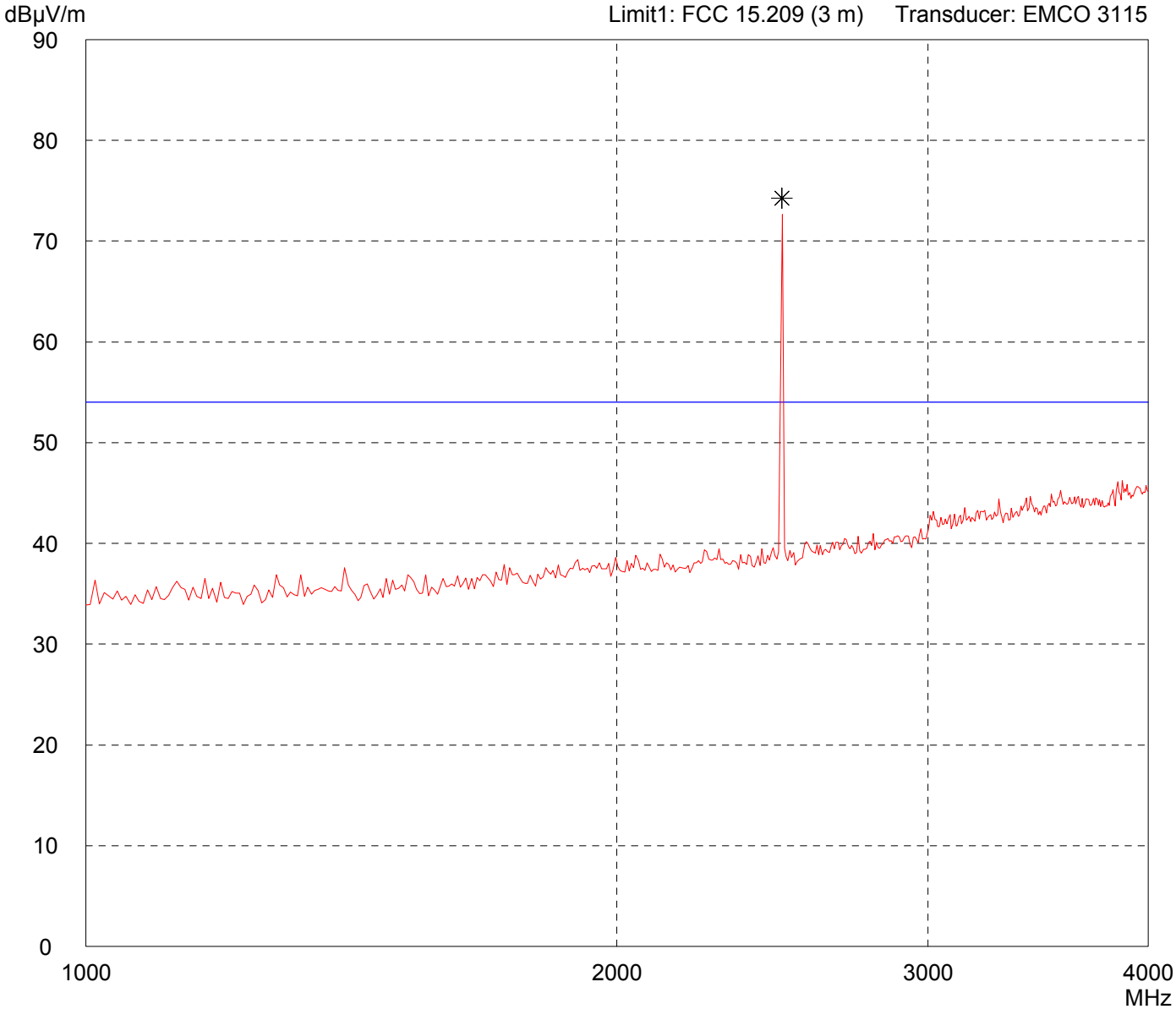


Result: Prescan	Project file: 55147-81184 — Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on highest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

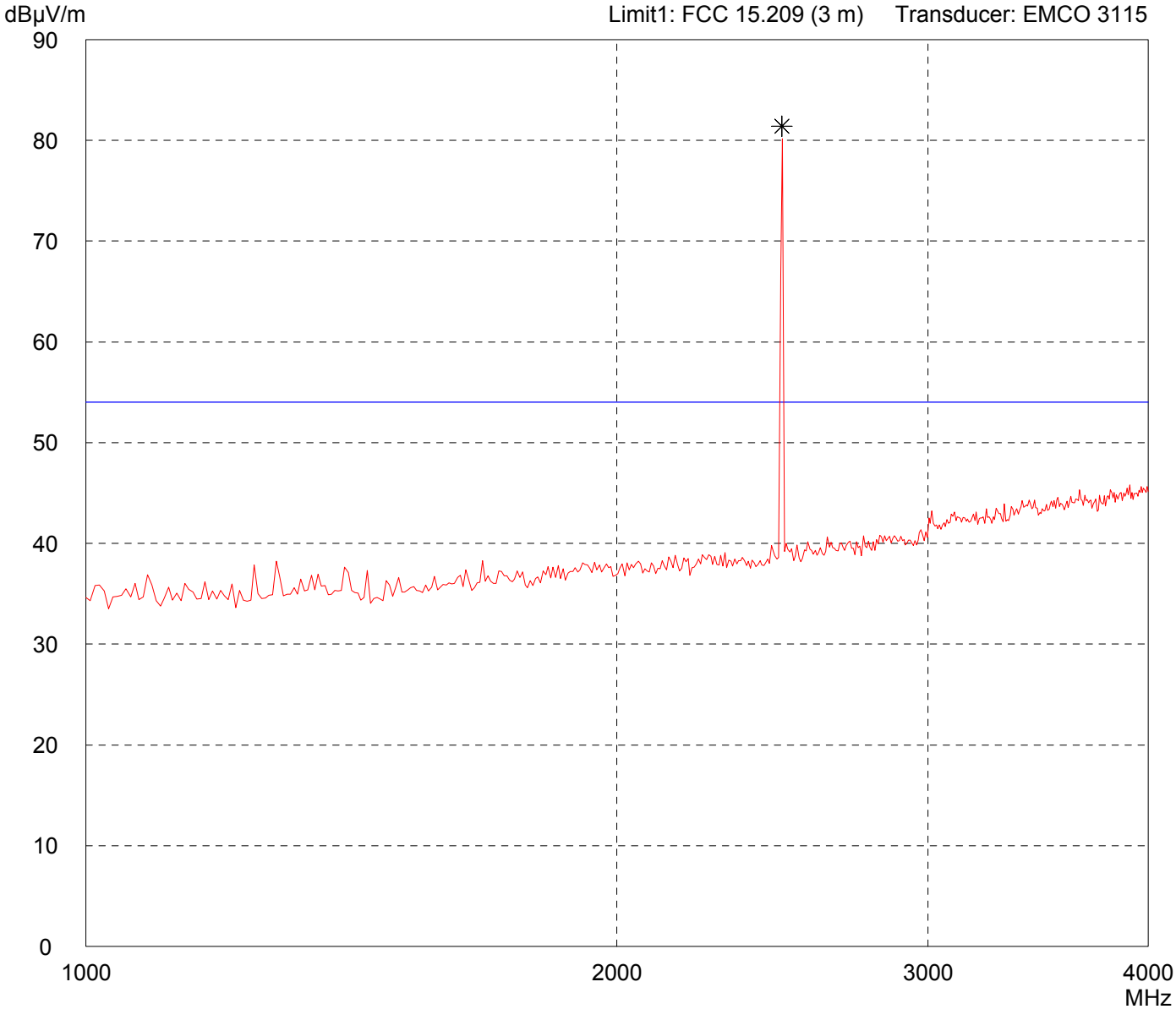


Result: Prescan	Project file: 55147-81184 Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on highest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 — Operator: M. Steindl	
Test performed: automatically — File name: default.emi	

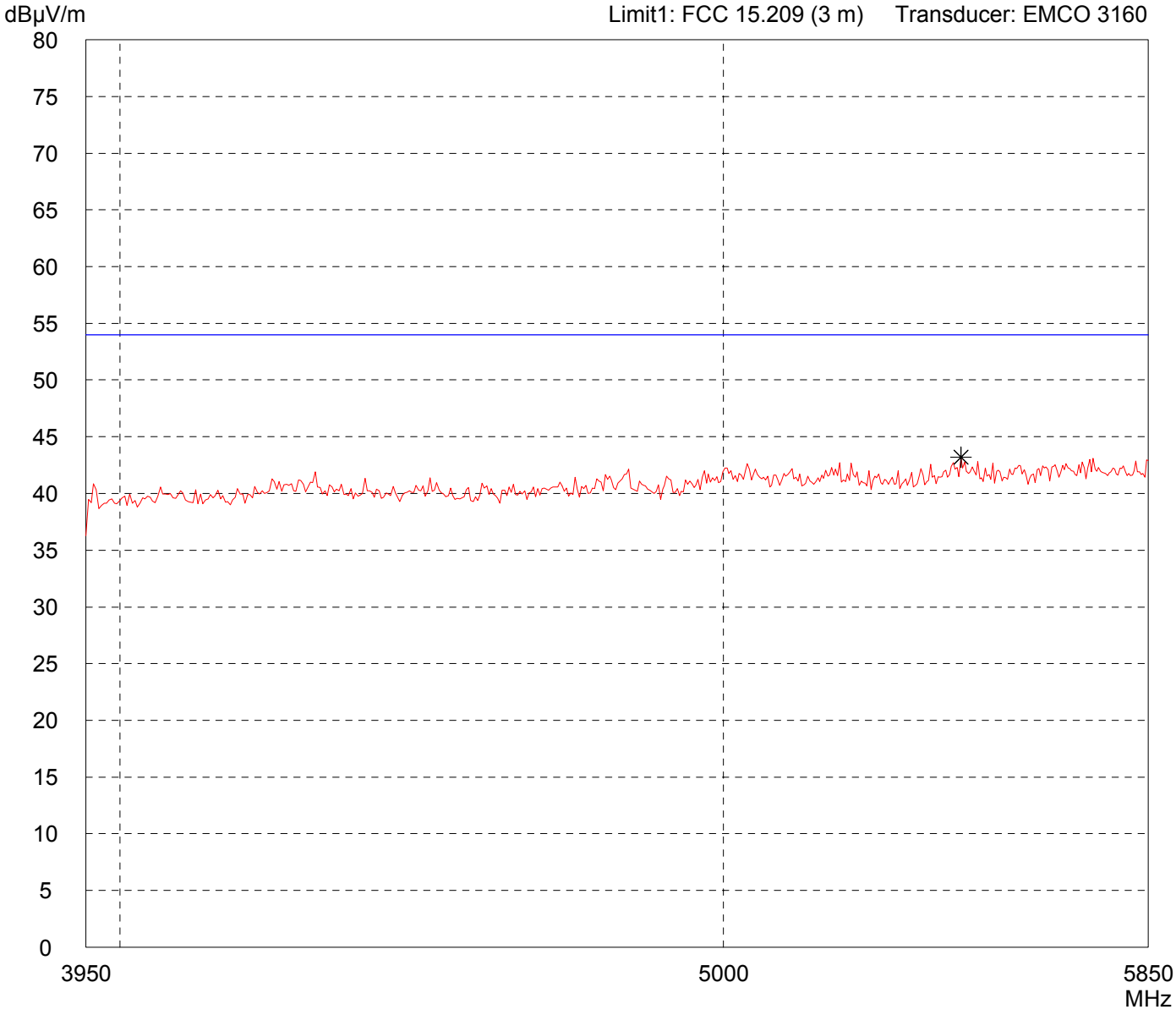
Detector: Peak	List of values: Selected by hand



Result: Prescan	Project file: 55147-81184 Page of Pages

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

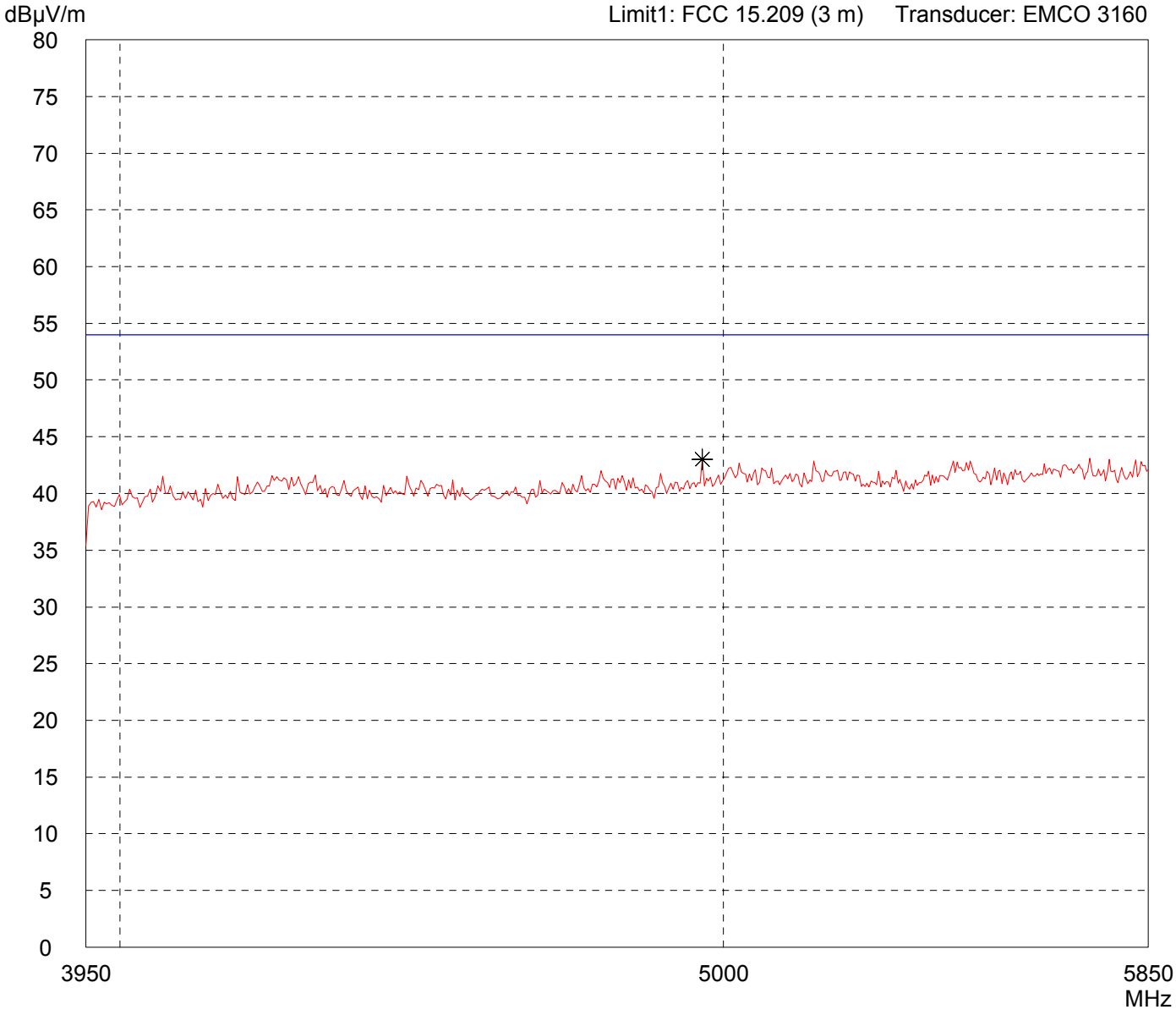
Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on highest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 — Operator: M. Steindl	
Test performed: automatically — File name: default.emi	
Detector: Peak	List of values: Selected by hand



Result: Prescan	Project file: 55147-81184 Page of Pages

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

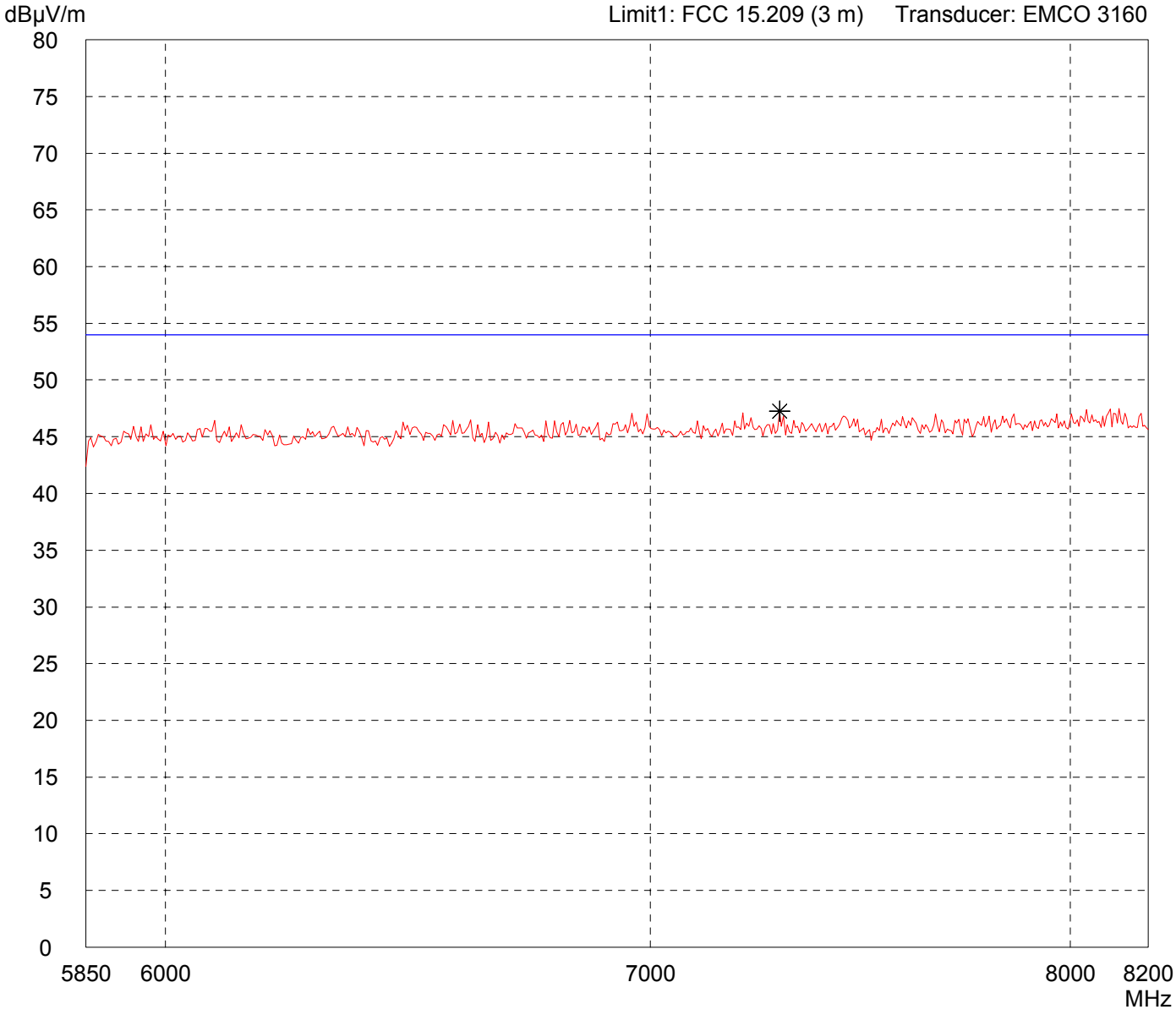
Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on highest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand



Result: Prescan	Project file: 55147-81184 Page of Pages

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

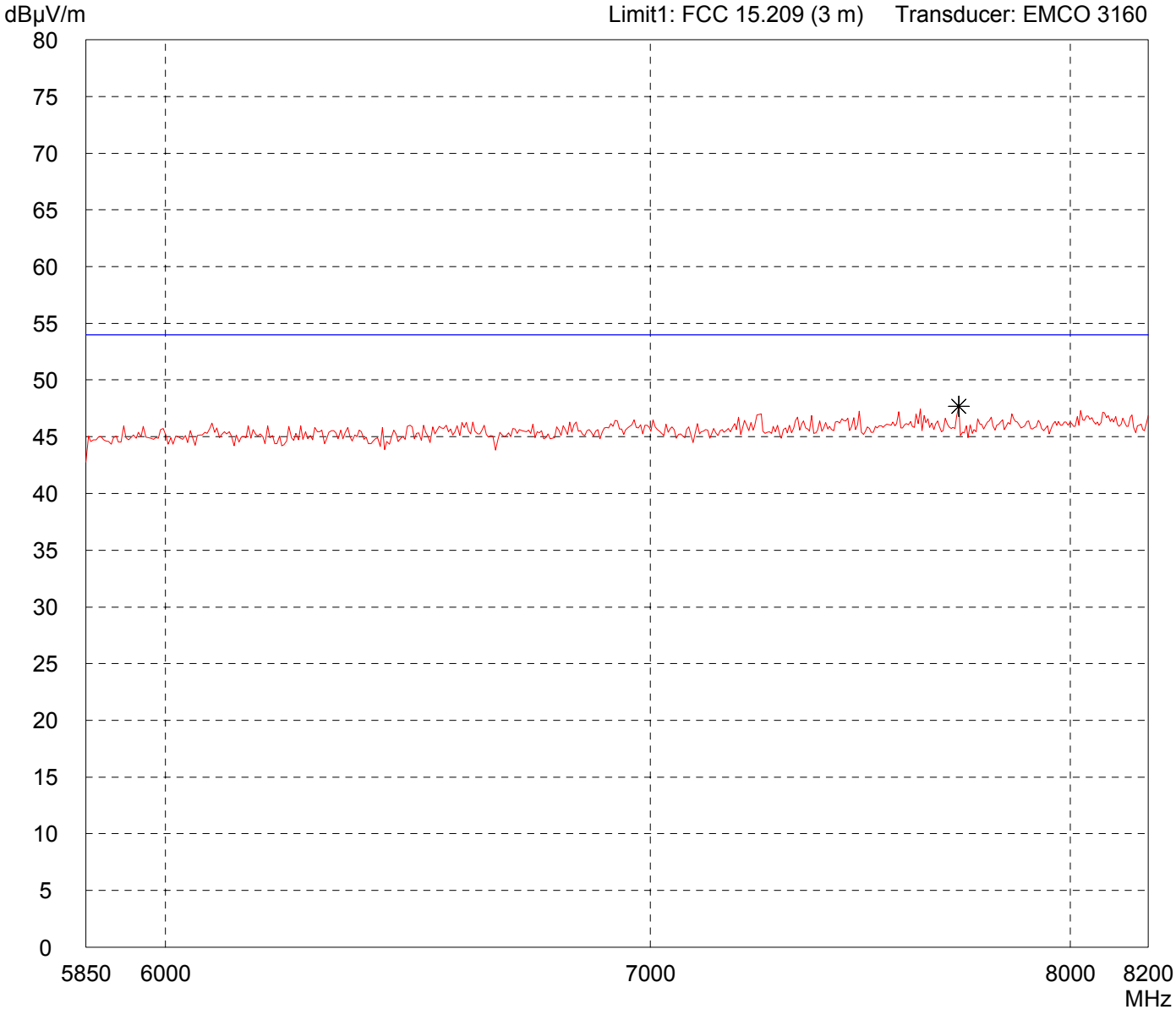
Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on highest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand



Result: Prescan	Project file: 55147-81184 Page of Pages

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

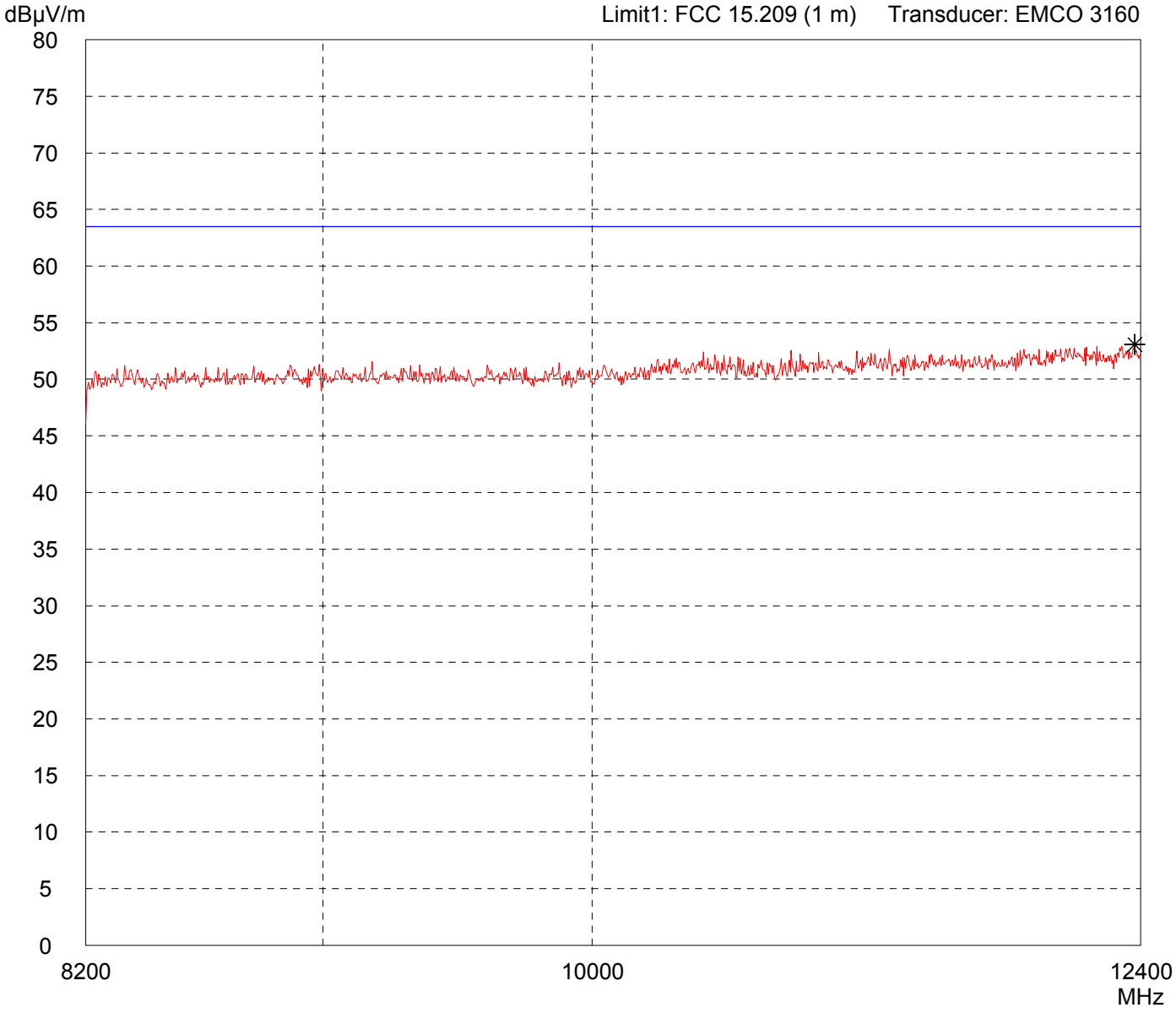
Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on highest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand



Result: Prescan	Project file: 55147-81184 Page of Pages

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 Subpart C (FAR)

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on highest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand



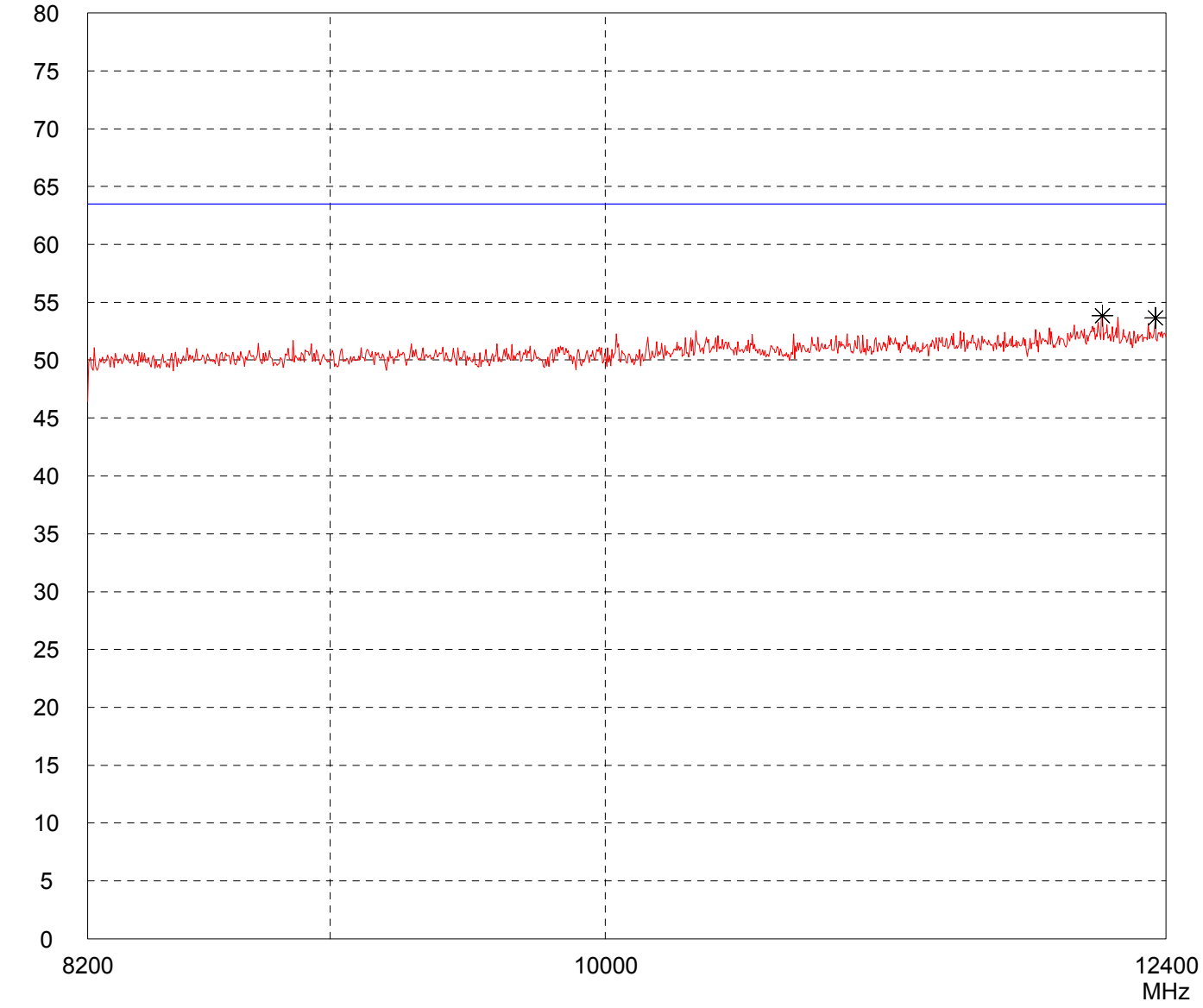
Result: Prescan	Project file: 55147-81184 Page of Pages

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 Subpart C (FAR)

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on highest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

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

dBµV/m — Limit1: FCC 15.209 (1 m) — Transducer: EMCO 3160

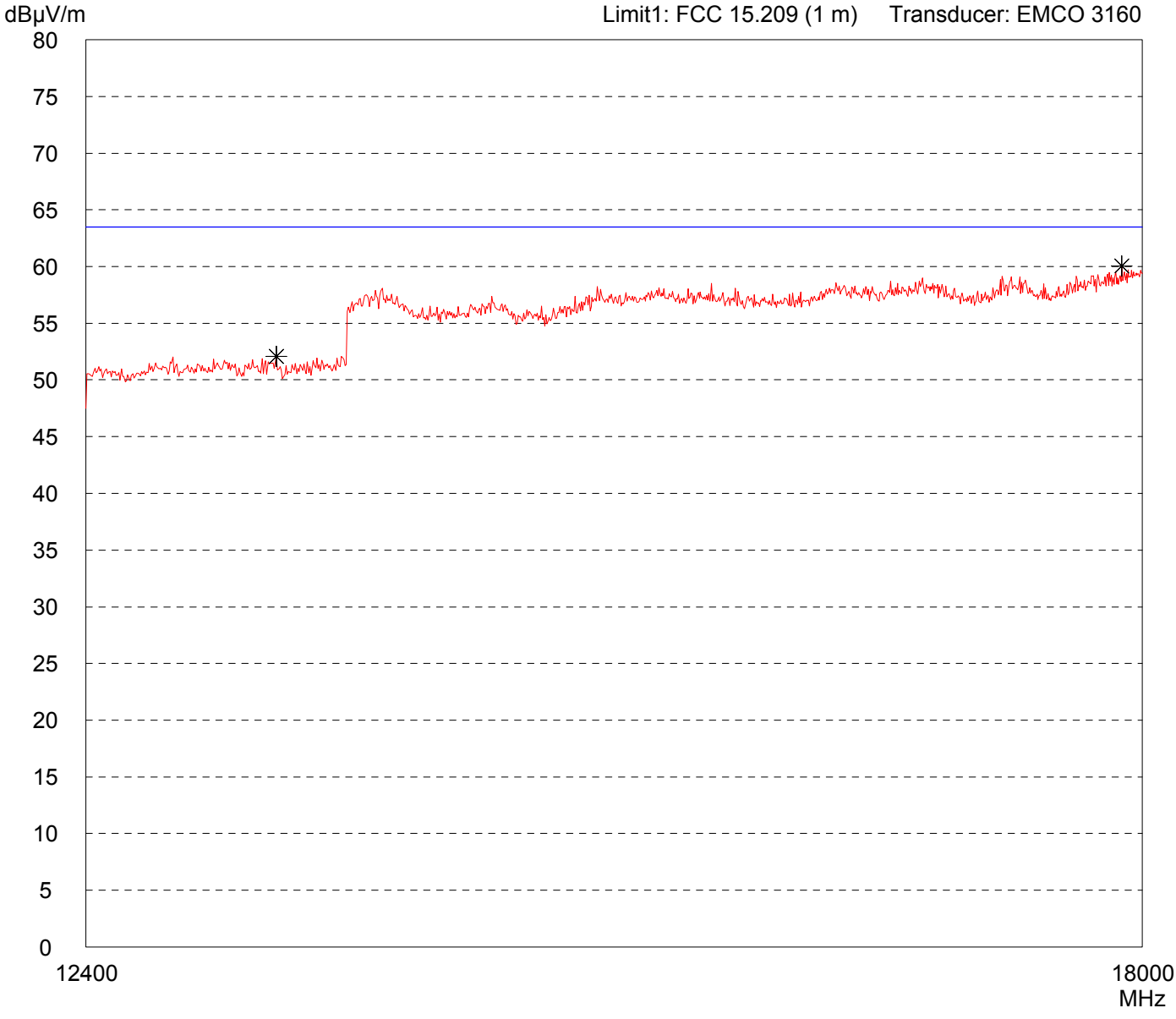


Result: Prescan	Project file: 55147-81184 Page of Pages

Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 Subpart C (FAR)

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on highest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand



Result: Prescan (VBW = 100 kHz)	Project file: 55147-81184 Page of Pages

Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 Subpart C (FAR)

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on highest channel
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

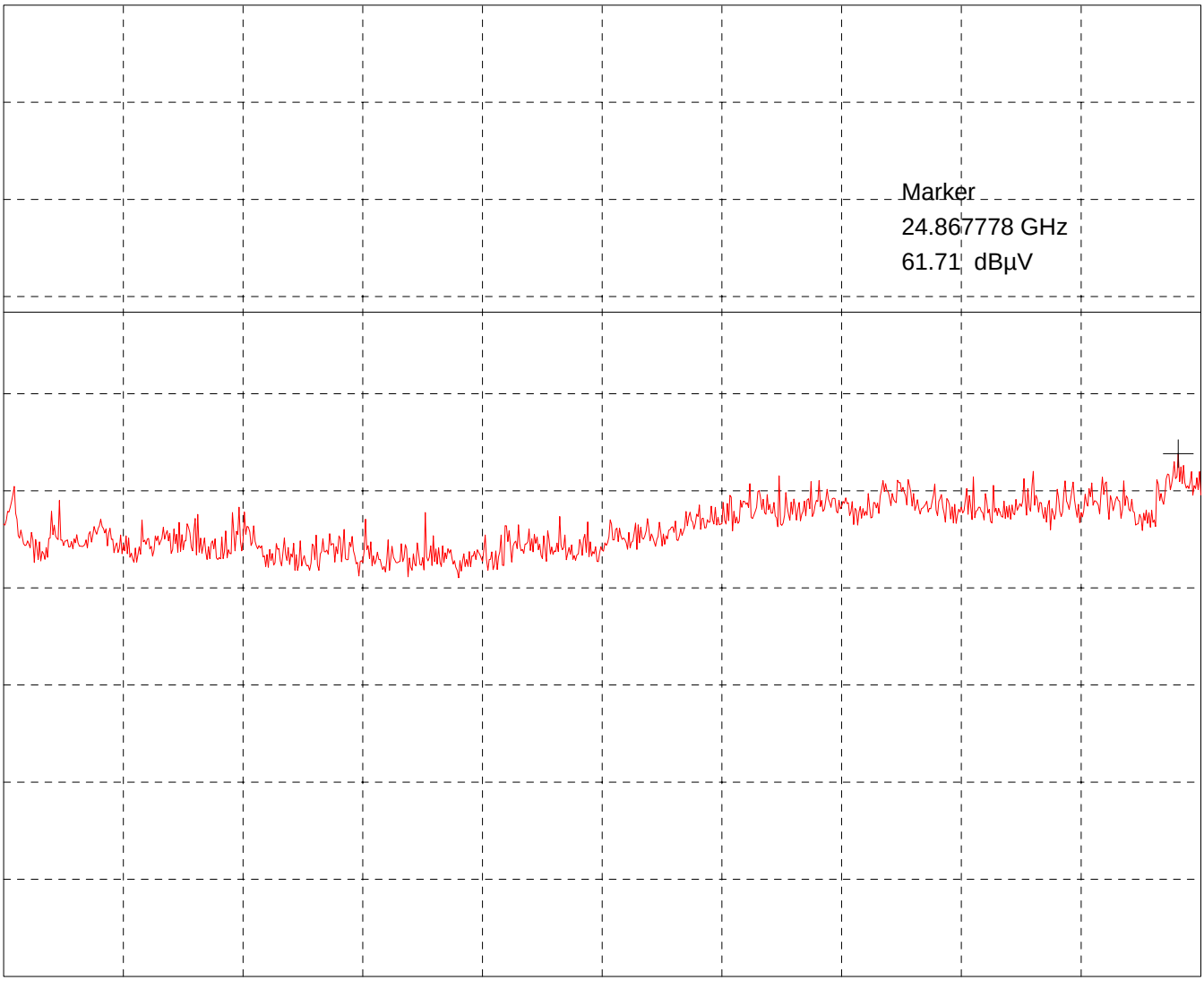
Limit1: FCC 15.209 (1 m) Transducer: EMCO 3160

Result: Prescan	Project file: 55147-81184 Page of Pages

Radiated Emission Test acc. to FCC Part 15 Subpart C

Model: Ford Works	Mode: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on highest channel - Distance: 0.5 m - Polarisation: horizontal
Serial No.: 23/09/2008	
Applicant: Fakt S.r.l.	

Ref.Level 84.8 dBµV ATT 0 dB Ref. Offset 42.8 dB
5 dB/Div.



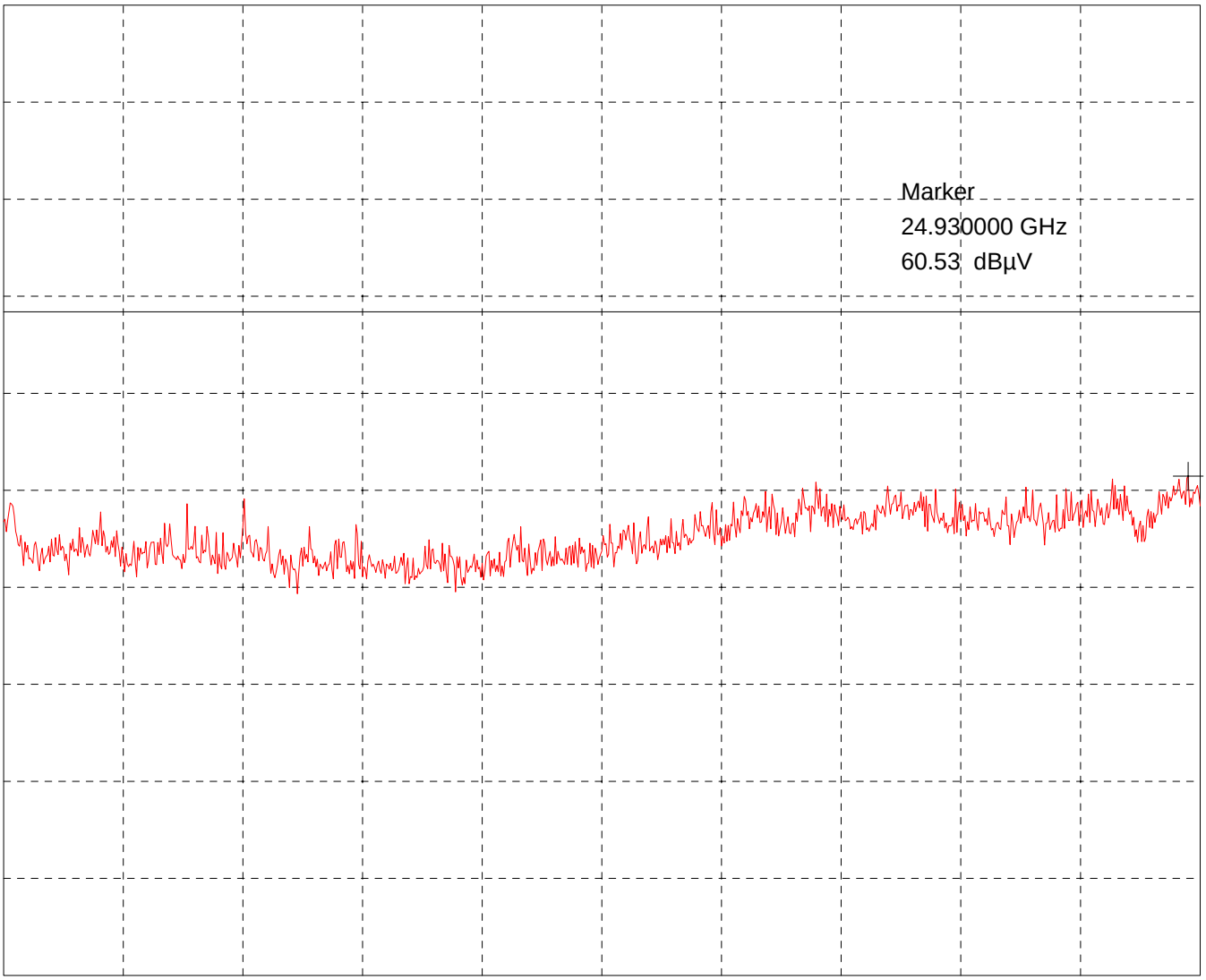
Start 18.000 GHz Stop 25.000 GHz
RBW 1 MHz VBW 1 MHz SWP 40 ms

Tested by: M. Steidnl	Project-No.: 55147-081184
Date: 2008/09/30	Page of pages

Radiated Emission Test acc. to FCC Part 15 Subpart C

Model: Ford Works	Mode: - DC 12 V power supply - Test mode - Maximum Power - Transmitting on highest channel - Distance: 0.5 m - Polarisation: vertical
Serial No.: 23/09/2008	
Applicant: Fakt S.r.l.	

Ref.Level 84.8 dBµV ATT 0 dB Ref. Offset 42.8 dB
5 dB/Div.



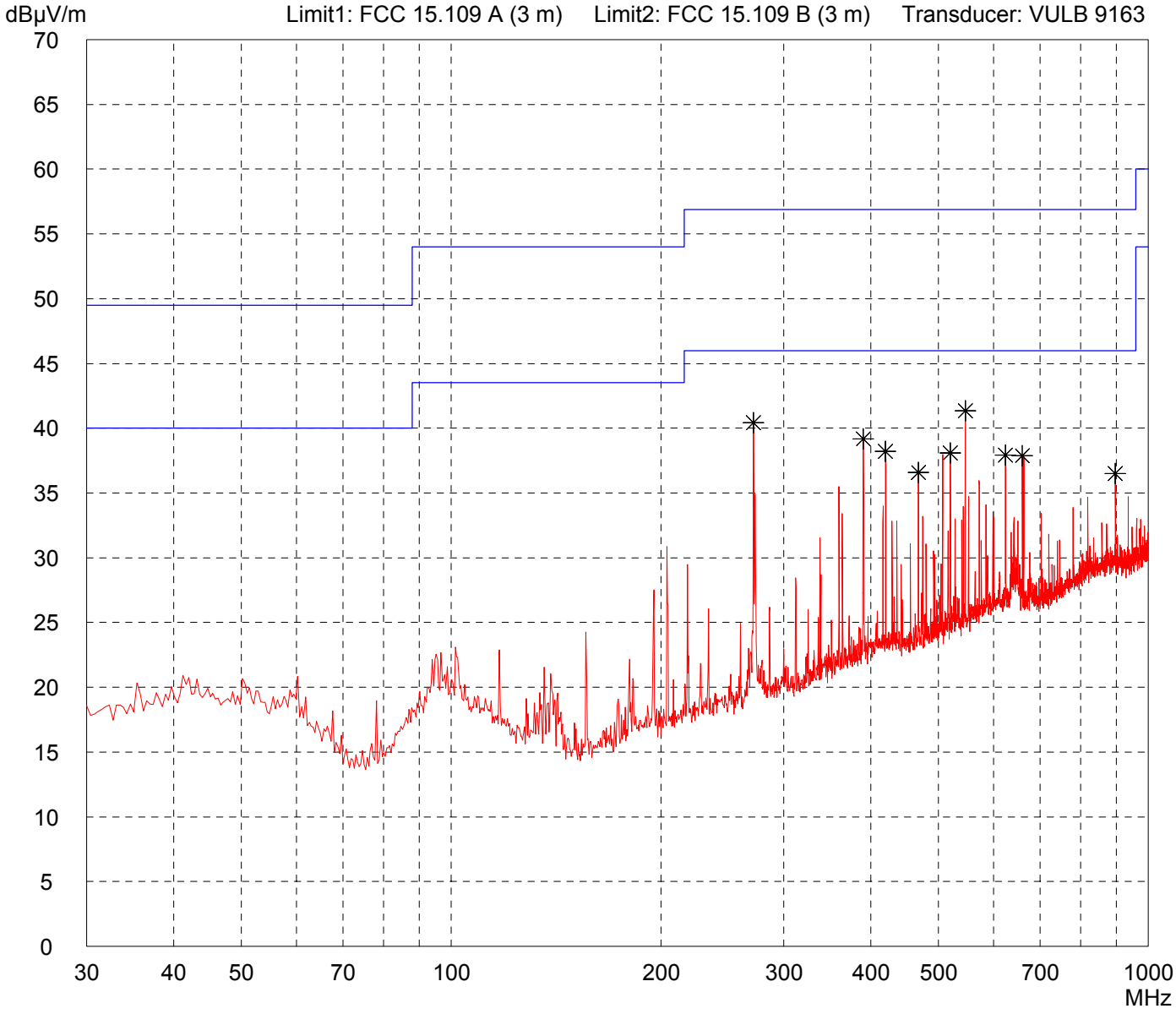
Start 18.000 GHz Stop 25.000 GHz
RBW 1 MHz VBW 1 MHz SWP 40 ms

Tested by: M. Steidnl	Project-No.: 55147-081184
Date: 2008/09/30	Page of pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Receiving mode
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

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

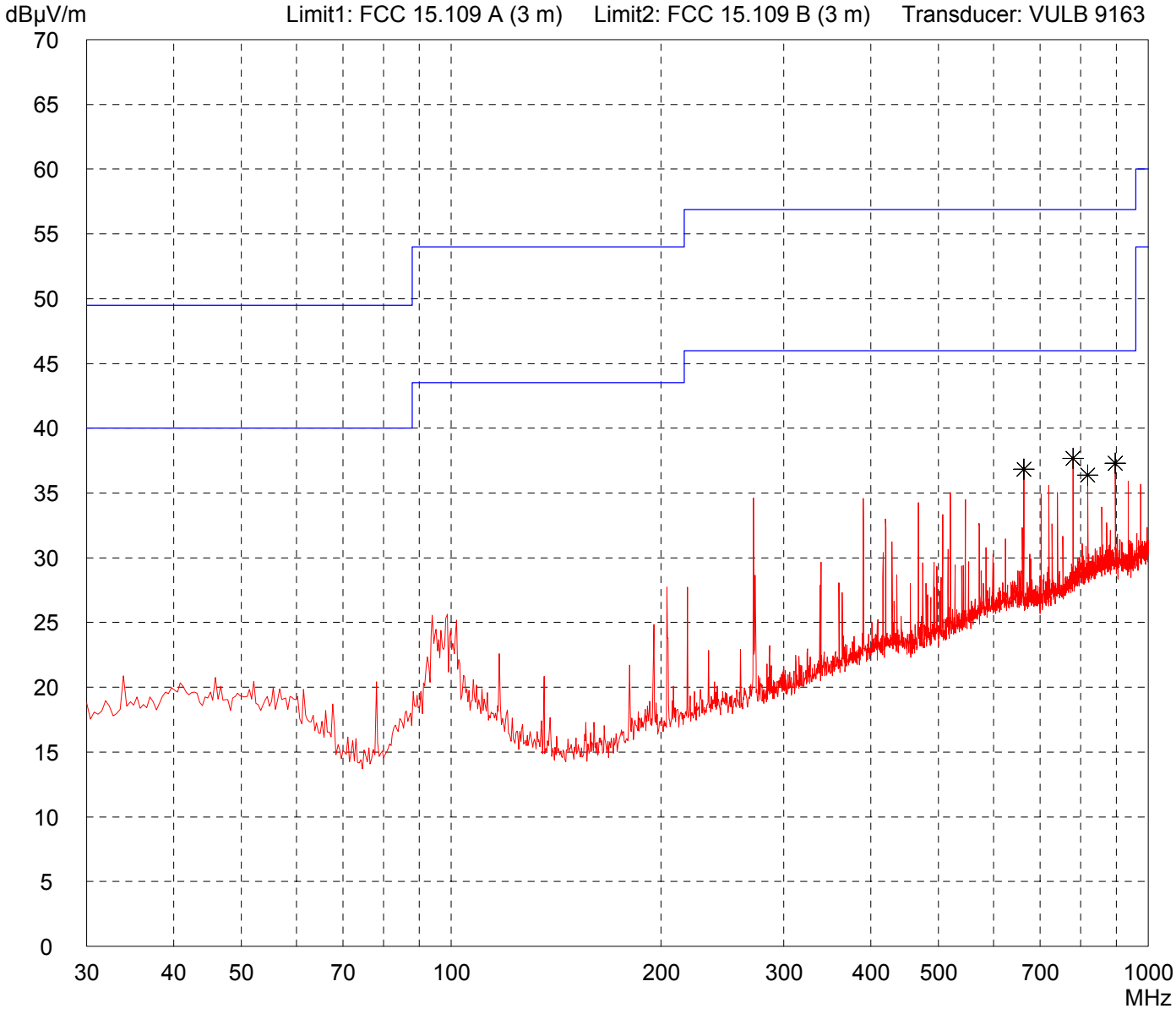


Result: Prescan	Project file: 55147-81184 / Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Receiving mode
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

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

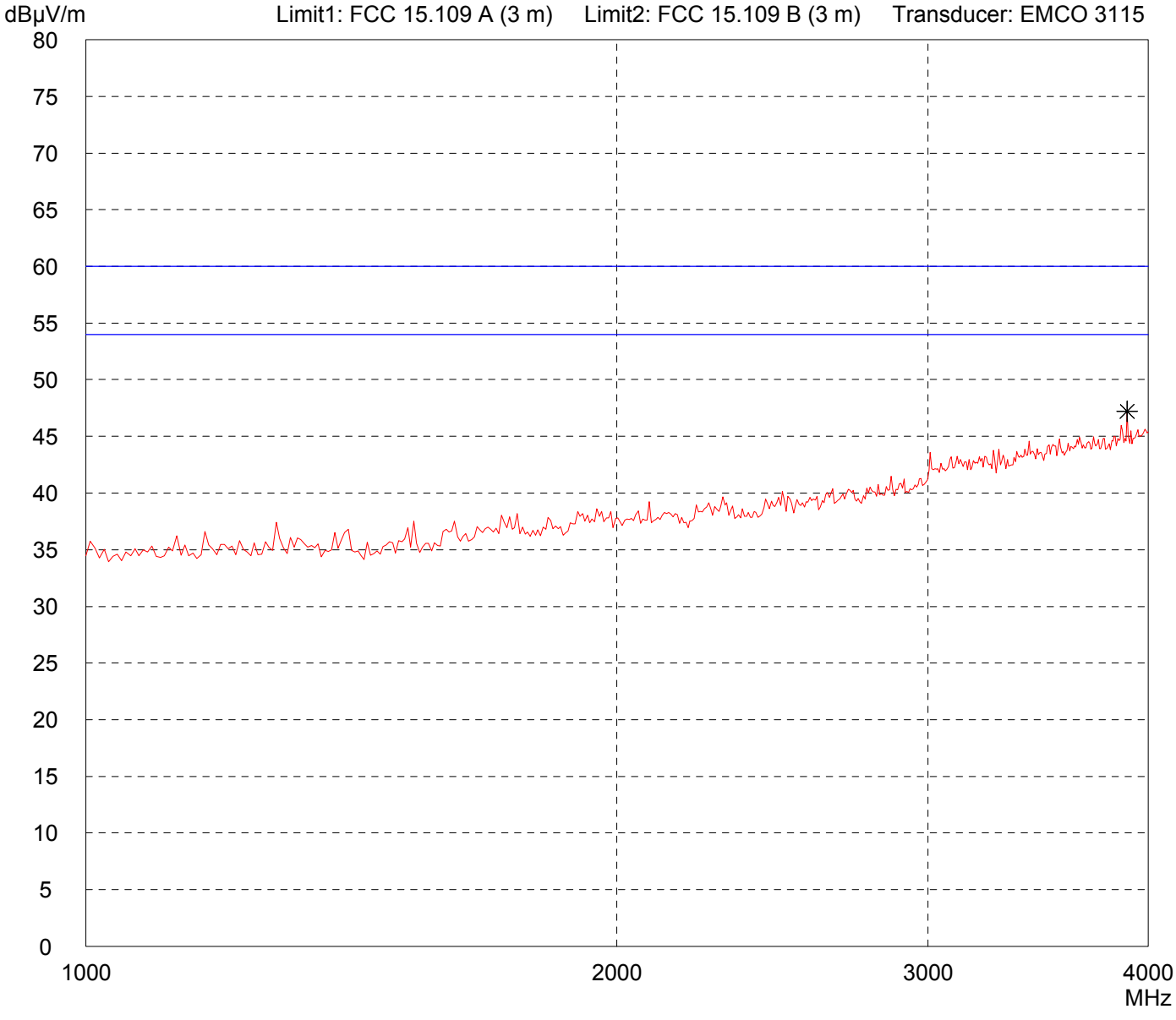


Result: Prescan	Project file: 55147-81184 Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Receiving mode
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand



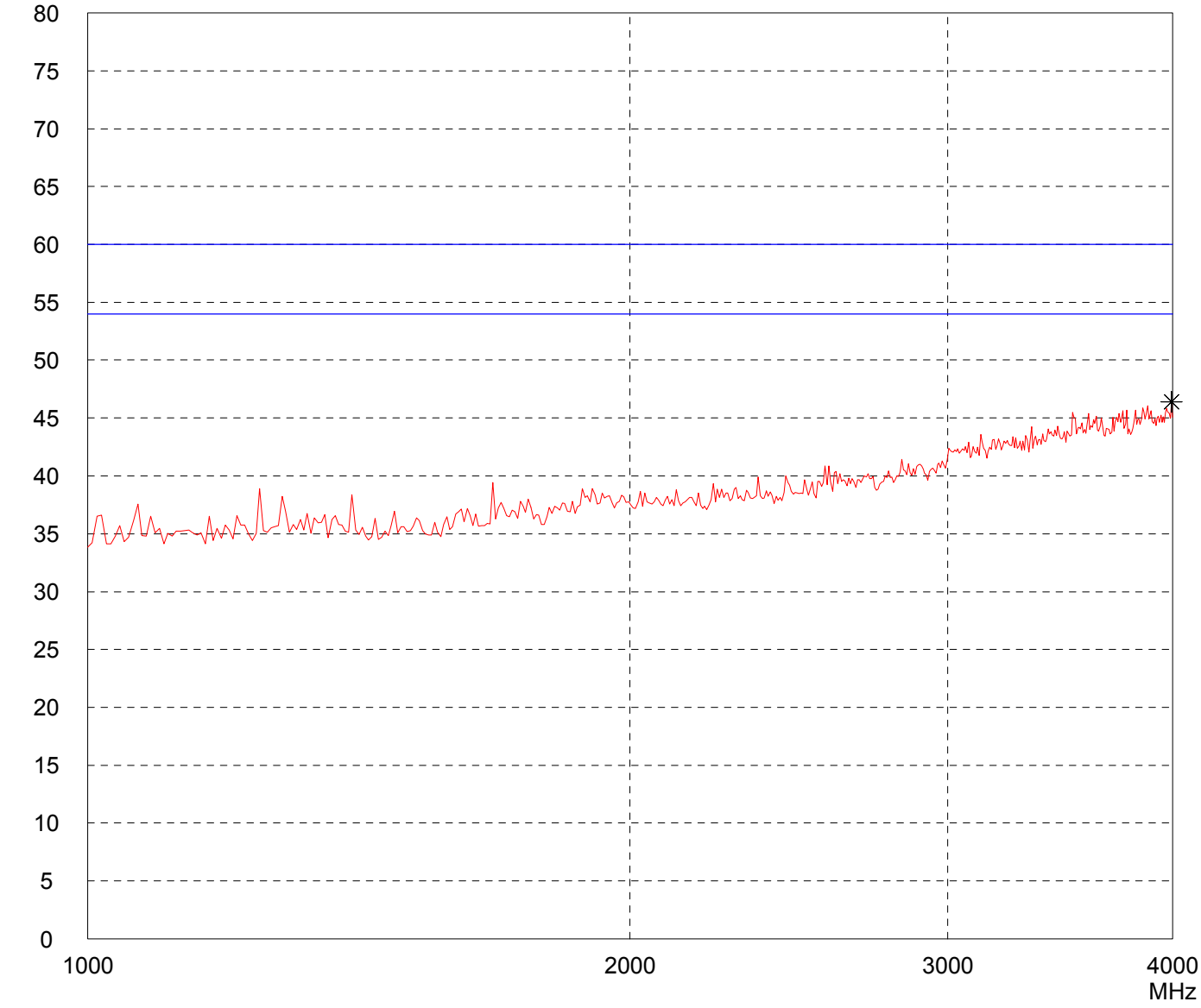
Result: Limit kept	Project file: 55147-81184 Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Receiving mode
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m Limit1: FCC 15.109 A (3 m) Limit2: FCC 15.109 B (3 m) Transducer: EMCO 3115

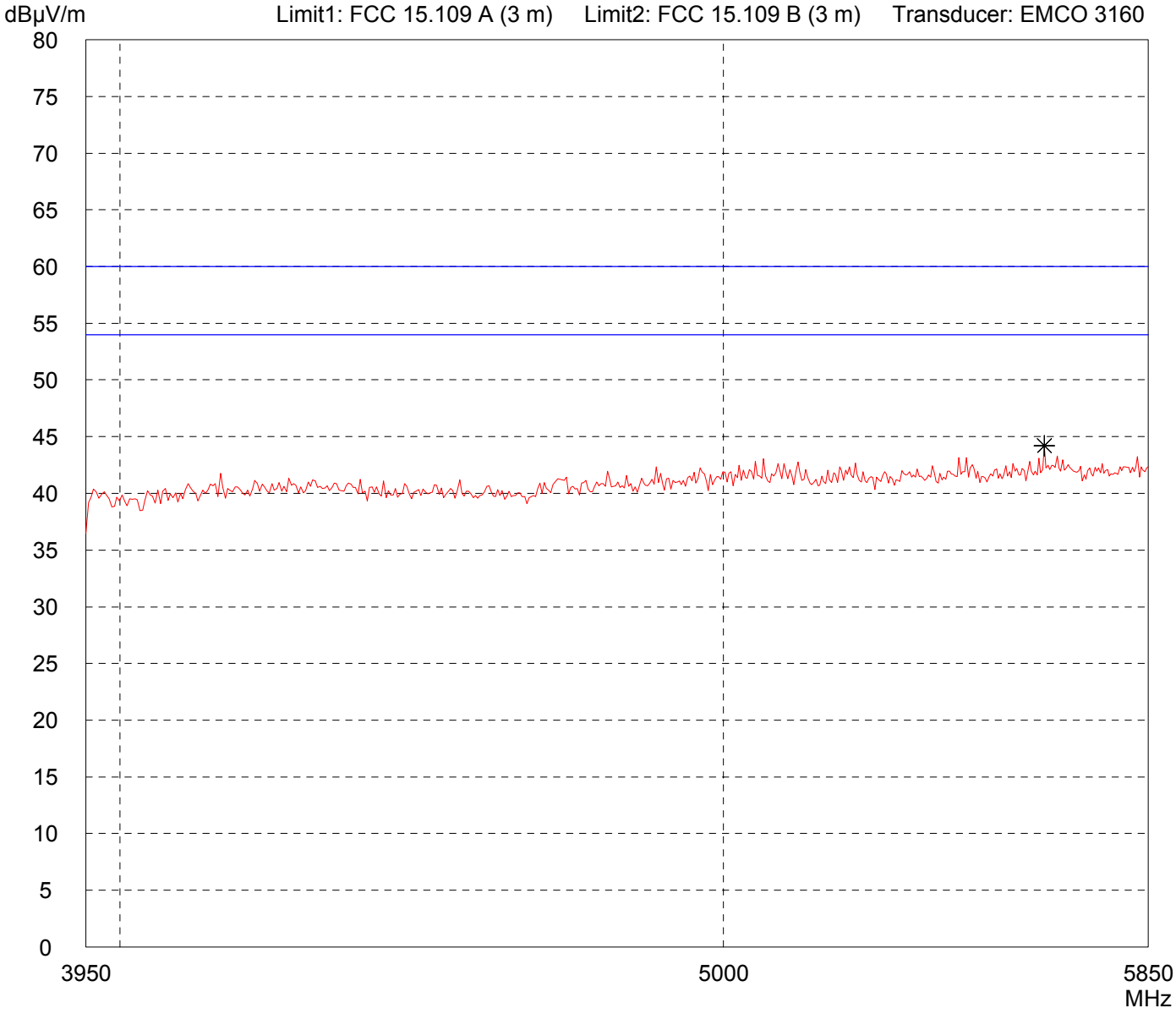


Result: Limit kept	Project file: 55147-81184 Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Receiving mode
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

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



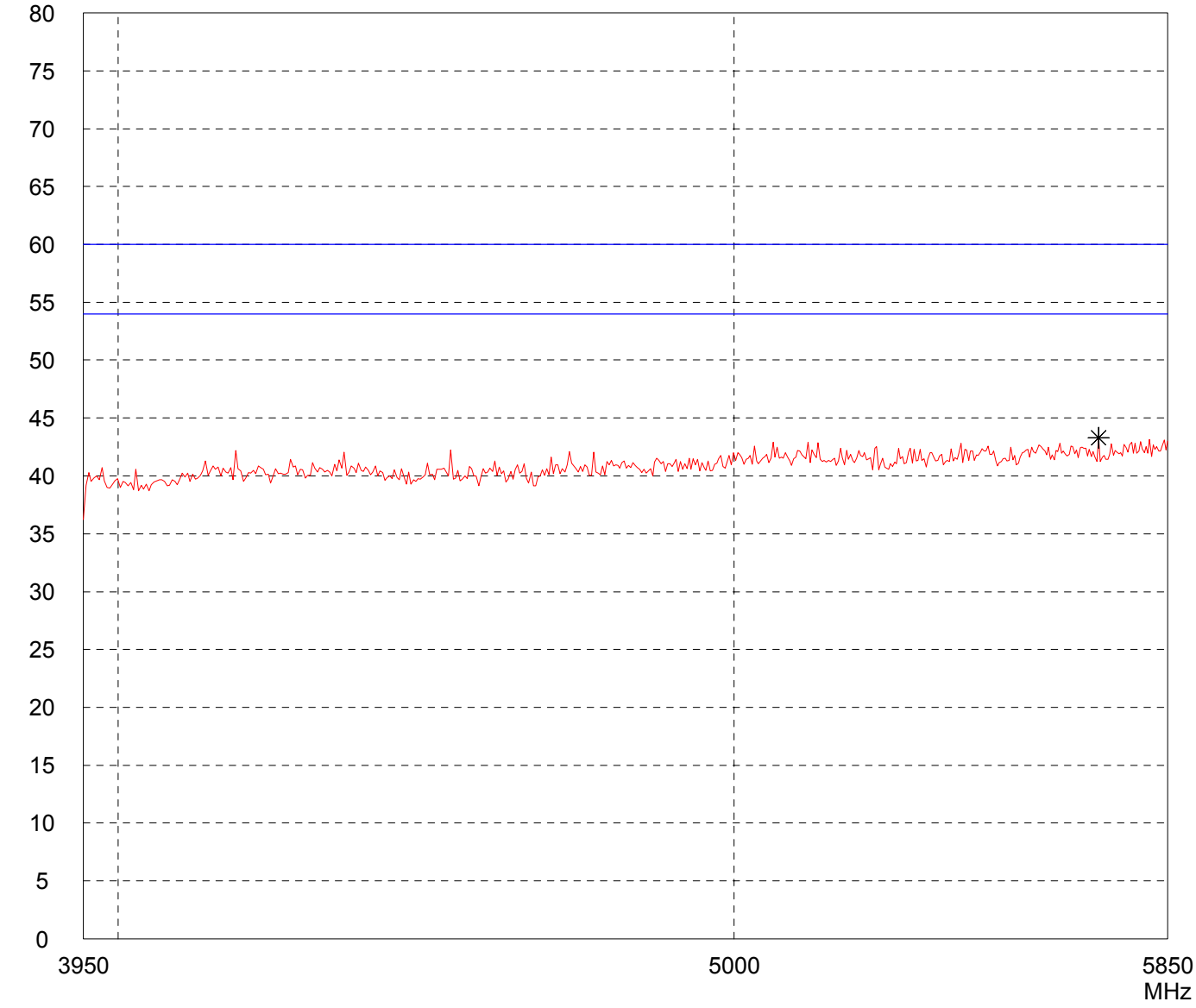
Result: Limit kept	Project file: 55147-81184 Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Receiving mode
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m Limit1: FCC 15.109 A (3 m) Limit2: FCC 15.109 B (3 m) Transducer: EMCO 3160



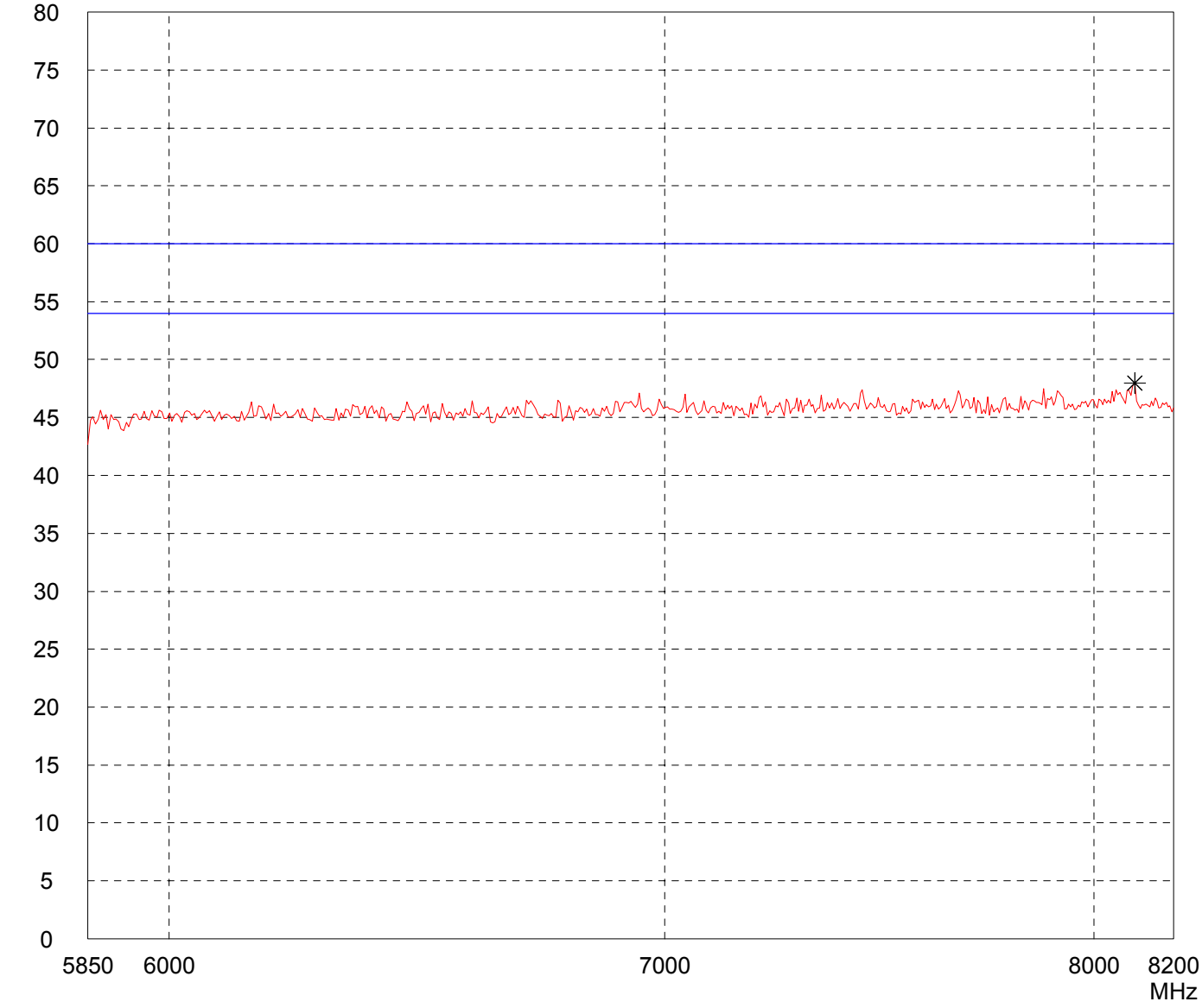
Result: Prescan	Project file: 55147-81184 Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Receiving mode
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m Limit1: FCC 15.109 A (3 m) Limit2: FCC 15.109 B (3 m) Transducer: EMCO 3160



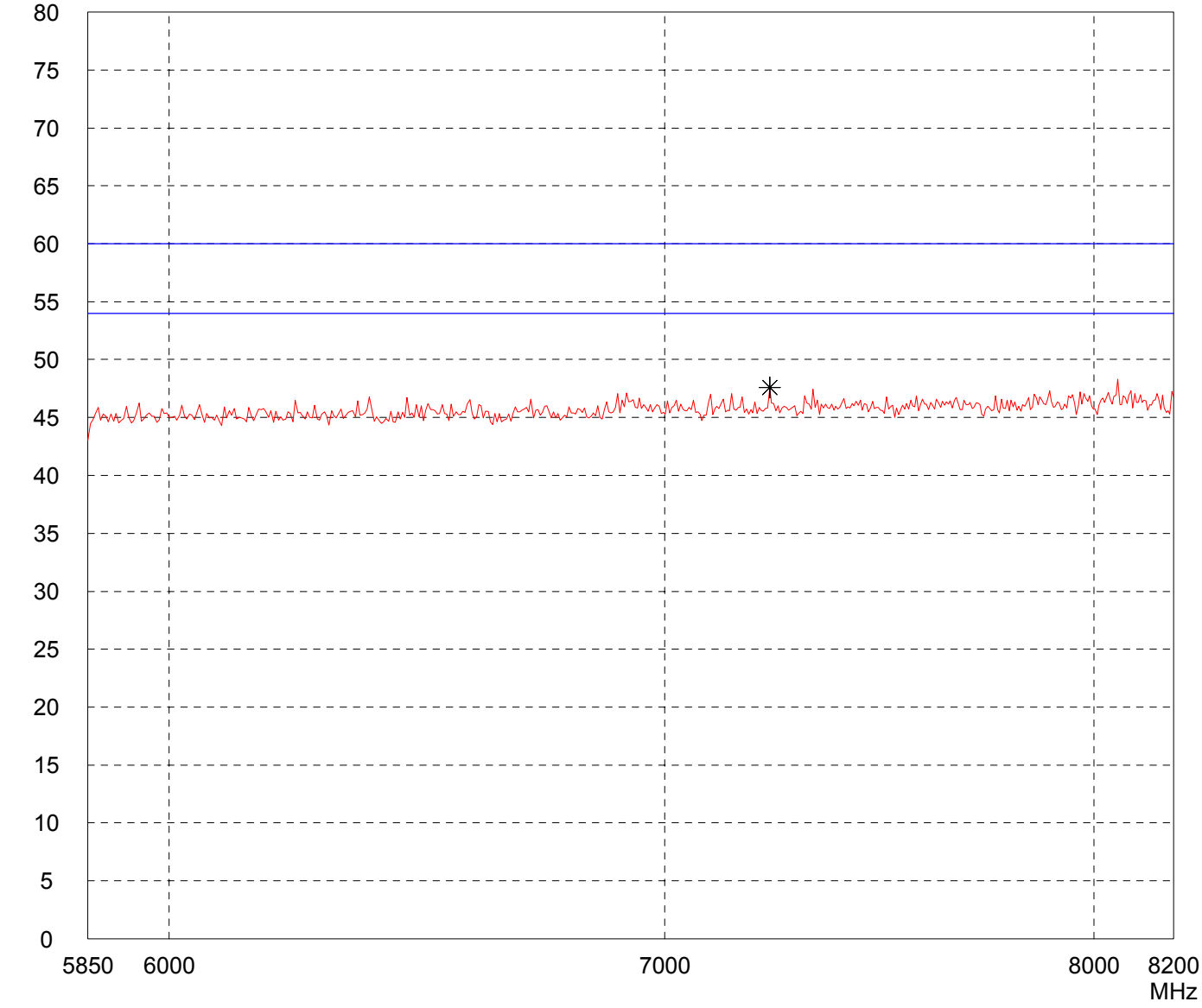
Result: Limit kept	Project file: 55147-81184 Page of Pages

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

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Receiving mode
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m Limit1: FCC 15.109 A (3 m) Limit2: FCC 15.109 B (3 m) Transducer: EMCO 3160

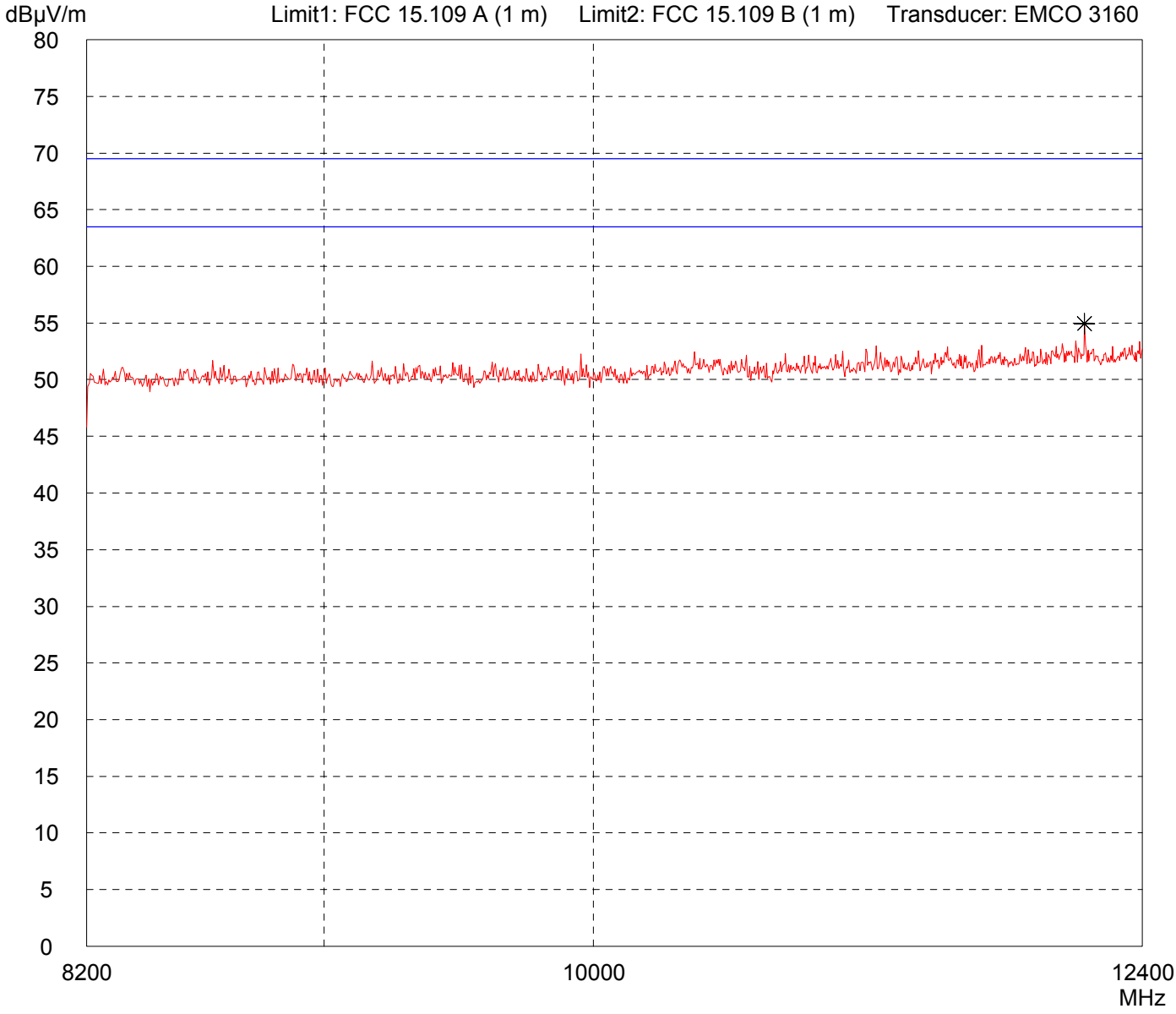


Result: Limit kept	Project file: 55147-81184 Page of Pages

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 Subpart B (FAR)

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Receiving mode
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

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



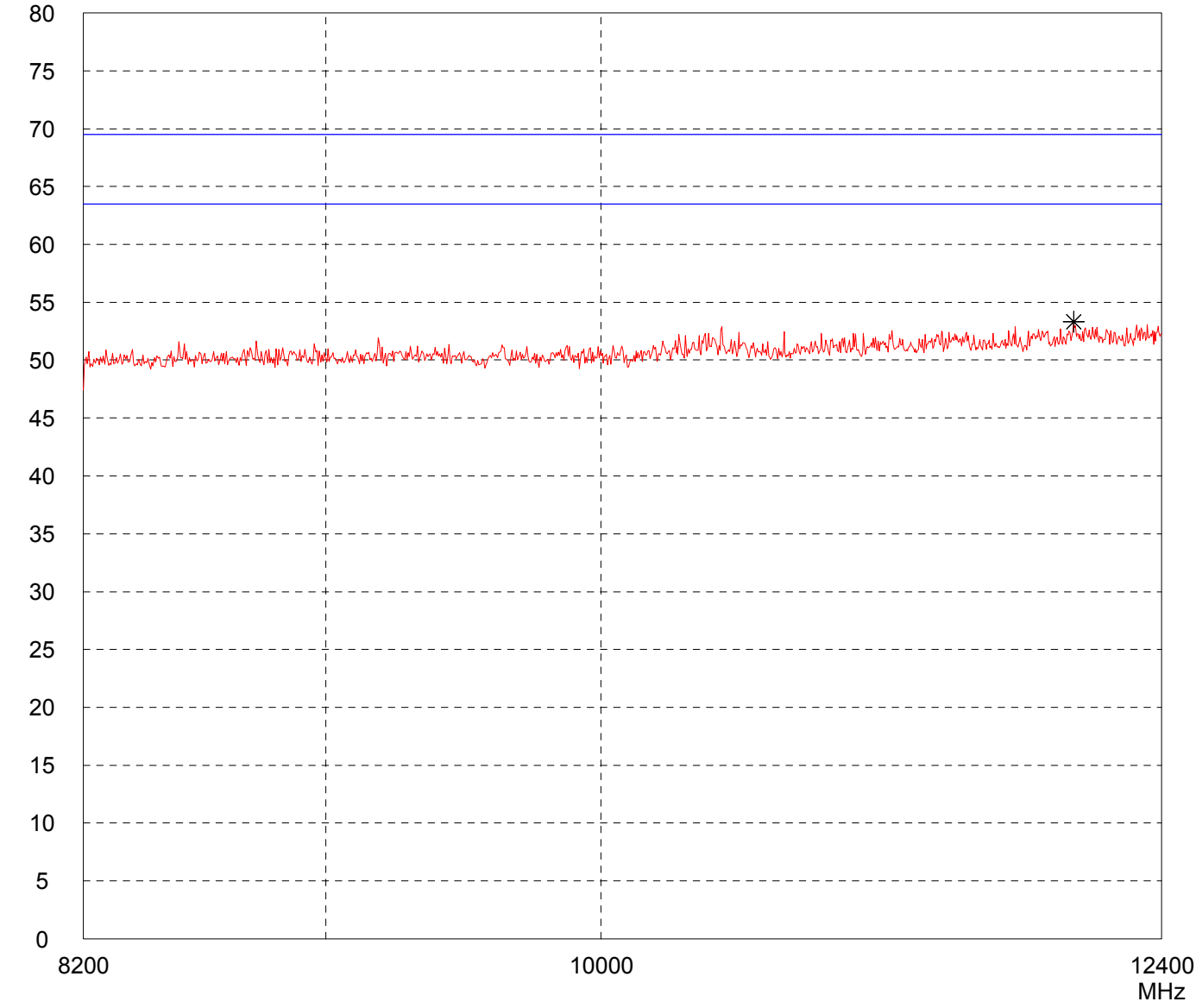
Result: Prescan	Project file: 55147-81184 / Page of Pages

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 Subpart B (FAR)

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Receiving mode
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m Limit1: FCC 15.109 A (1 m) Limit2: FCC 15.109 B (1 m) Transducer: EMCO 3160



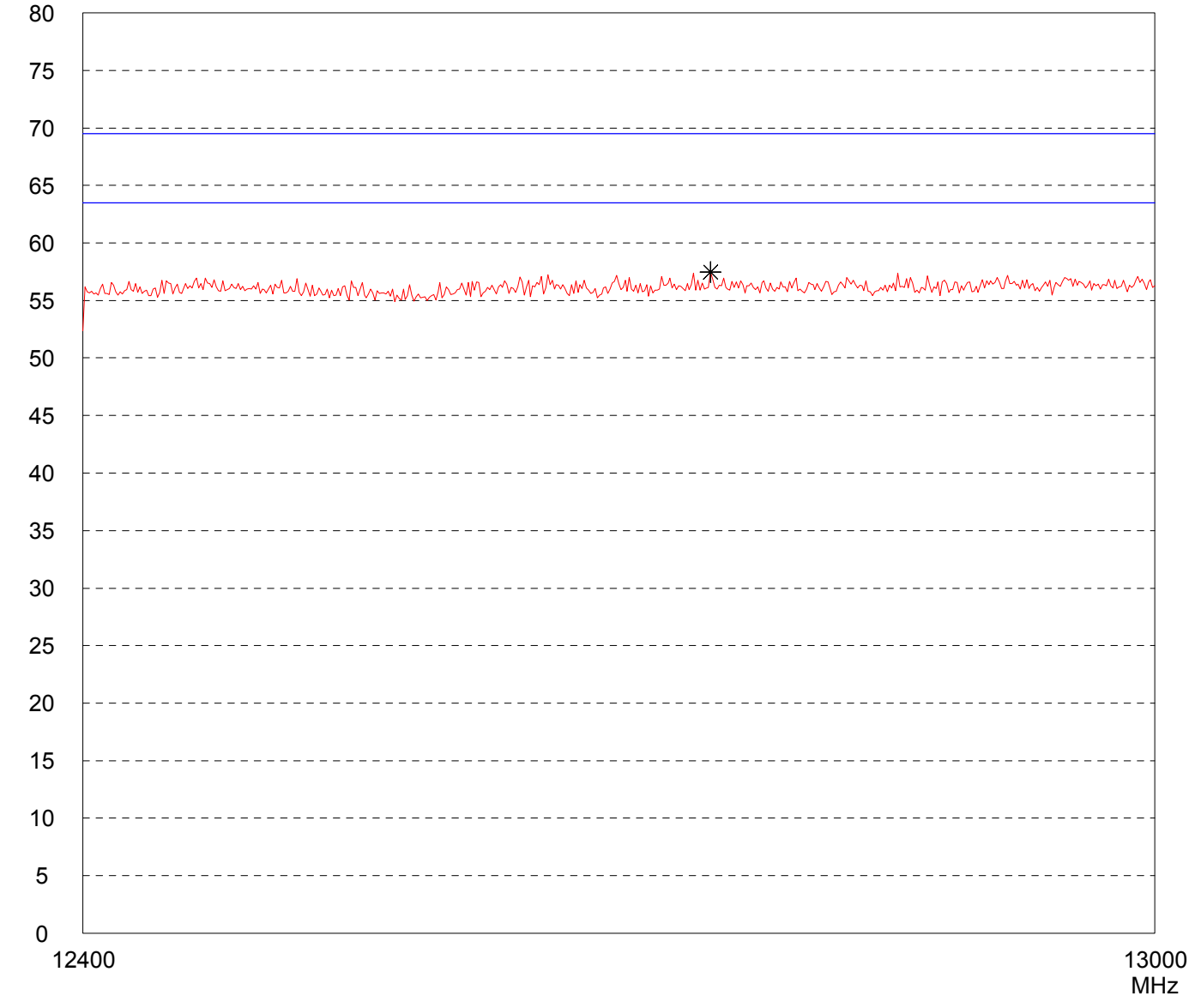
Result: Limit kept	Project file: 55147-81184 Page of Pages

Radiated Emission Test 12.4 GHz - 13 GHz
acc. to FCC Part 15 Subpart B (FAR)

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Receiving mode
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m Limit1: FCC 15.109 A (1 m) Limit2: FCC 15.109 B (1 m) Transducer: EMCO 3160



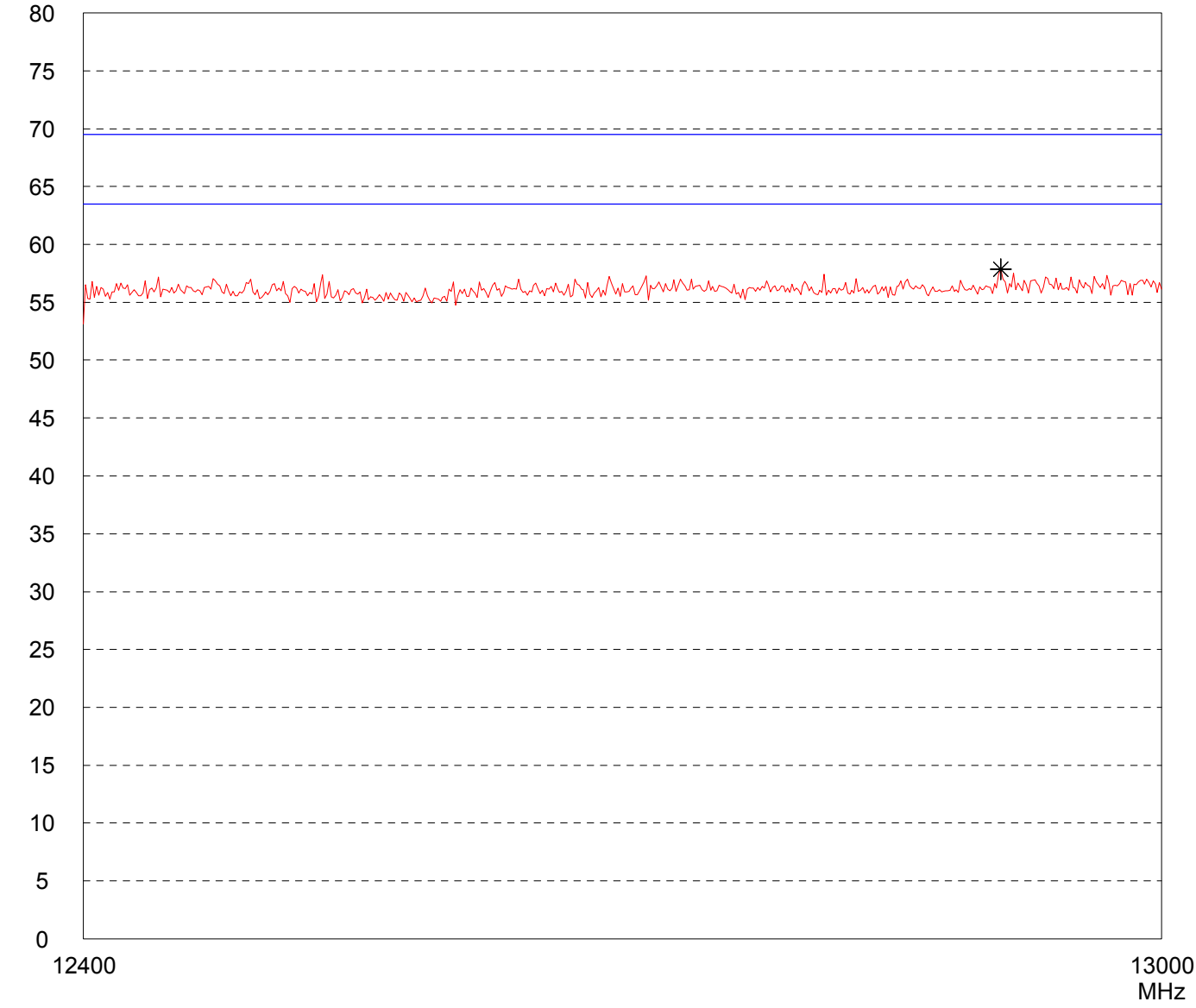
Result: Limit kept	Project file: 55147-81184 Page of Pages

Radiated Emission Test 12.4 GHz - 13 GHz
acc. to FCC Part 15 Subpart B (FAR)

Model: Ford Works	Comment: - DC 12 V power supply - Test mode - Receiving mode
Serial no.: 23/09/2008	
Applicant: Fakt S.r.l.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 09/29/2008 / Operator: M. Steindl	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m Limit1: FCC 15.109 A (1 m) Limit2: FCC 15.109 B (1 m) Transducer: EMCO 3160



Result: Limit kept	Project file: 55147-81184 Page of Pages