SENTON

■ EMV-Prüfzentrum ■ EMI/EMC-Testcenter ■

Straubing, 26 April 2007

T E S T - R E P O R T

No. 56109-070012 ed4

for

ZB2430-100

RF Transceiver Module

Applicant:	AEROCOMM, Inc.
Purpose of testing:	To show compliance with FCC Code of Federal Regulations, Part 15 Subpart C, Section 15.247

Table of Contents

1. Administrative Data

Test item (EUT)	
Type designation	ZB 2430-100
Serial number(s):	001
Type of equipment:	RF Transceiver Module
Parts/accessories:	---
FCC-ID:	KQL-ZB2430-100
Technical data	
Frequency range	2400 - 2483.5 MHz
Operational frequencies	15 channels from 2405 MHz (Ch. 1) to 2475 MHz (Ch. 15)
Statement:	The power was set to the maximum possible
Type of modulation	OFDM
Pulse frequency	N/A
Pulse width	N/A
Antenna	- Internal Antenna Fractus FR05-S1-N-0-001 2dBi Chip - External Antenna NearsonS151FC-L-(132)PX-2450S
Power supply	3.3 V DC
Applicant: (full address)	AEROCOMM, Inc. 11160 Thompson Avenue Lenexa KS 66219 / USA
Contract identification:	---
Contact person:	Daniel Waters
Manufacturer:	Applicant
Application details	
Receipt of EUT:	09 January 2007
Date of test:	January / March 2007
Note:	---
Responsible for testing:	Johann Roidt
Responsible for test report:	Johann Roidt

2. Identification of Test Laboratory

DETAILS OF THE TEST LABORATORY	
COMPANY NAME:	Senton GmbH EMI/EMC Test Center
ADDRESS:	Aeussere Fruehlingsstrasse 45 D-94315 Straubing Germany
LABORATORY ACCREDITATION:	DAR-Registration No. DAT-P-171/94-02
FCC TEST SITE LISTING	90926
INDUSTRY CANADA TEST SITE REGISTRATION	IC 3050
NAME FOR CONTACT PURPOSES:	Mr. Johann Roidt
TELEPHONE: (+49) (0)9421 5522-0	FAX: (+49) (0)9421 5522-99

PERSONNEL INVOLVED IN THIS TEST REPORT	
LABORATORY MANAGER:	 ..... Mr. Johann Roidt
RESPONSIBLE FOR TESTING:	Mr. Johann Roidt
RESPONSIBLE FOR TEST REPORT:	Mr. Johann Roidt

SUMMARY OF TEST RESULTS
The tested sample complies with the requirements set forth in the **Code of Regulations Part 15 Subpart C, Section 15.247 of the Federal Communication Commission (FCC).**

3. Operation Mode of EUT

Transmitter operating continuously,
full tests were performed on lowest, middle and highest RF channel.

Lowest RF Channel (01) = 2405 MHz

Middle RF Channel (08) = 2440 MHz

Highest RF Channel (15) = 2475 MHz

4. Configuration

Configuration of the EUT
A full test setup was supplied by the applicant

Cables connected to the EUT
Not applicable

Peripheral devices connected to the EUT
Not applicable

5. Measuring Methods

5.1. Maximum Transmitter Power

5.1.1. Conducted Maximum Transmitter Power

Rules and Specifications:	Section 15.247
Guide:	ANSI C63.4:2003

Measurement Procedure:
A spectrum analyzer / EMI test receiver is connected to the output of the transmitter power amplifier (conducted measurement) via dummy load while EUT was operating in transmit mode using the assigned frequency. The trace mode of the spectrum analyzer was set to max hold with: RBW > 6 dB bandwidth, VBW >= RBW,

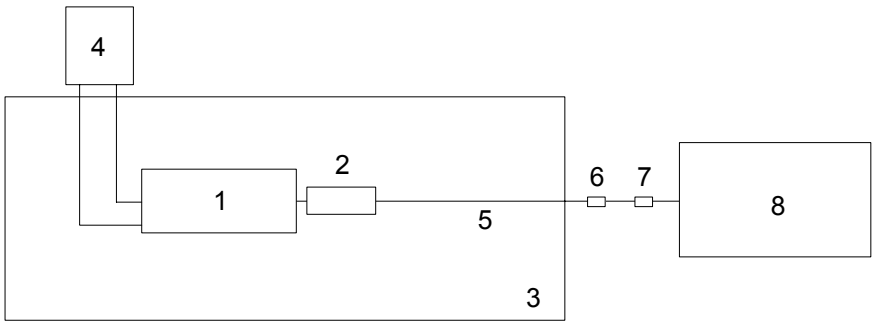


Figure 1: Measurement setup for testing on antenna connector

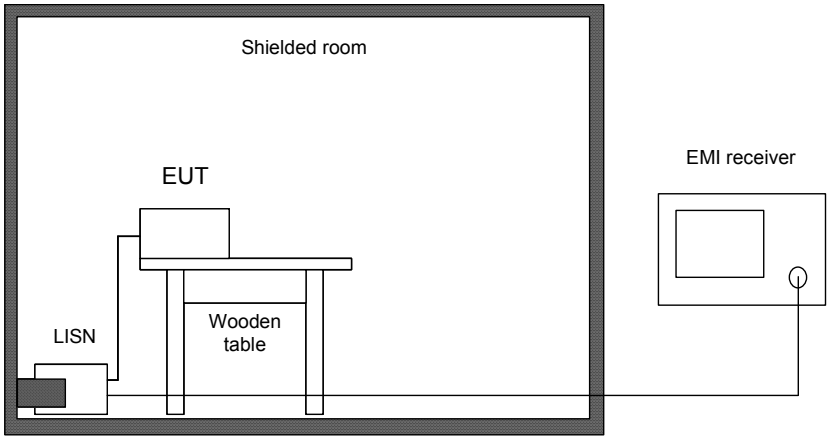
Test instruments used:

No.	Type	Model	Serial Number	Manufacturer
01	Spectrum Analyzer	FSP 30	100063	Rohde & Schwarz
08	Power Meter	NRVS	836856/015	Rohde & Schwarz
09	Power Sensor	NRV-Z52	837901/030	Rohde & Schwarz
18	Attenuator 20 dB	4776-20	9503	Narda
19	Attenuator 10 dB	4776-10	9412	Narda

5.2. Conducted AC Powerline Emission

Rules and Specifications:	Section 15.207
Guide:	ANSI C63.4:2003

Measurement Procedure:
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: 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. 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. 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. 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.



Test instruments used:

Type	Model	Serial Number	Manufacturer
EMI receiver	ESHS 10	860043/016	Rohde & Schwarz
LISN	ESH3-Z5	862770/021	Rohde & Schwarz
Shielded room	No. 4	3FD-100 544	Euroshield

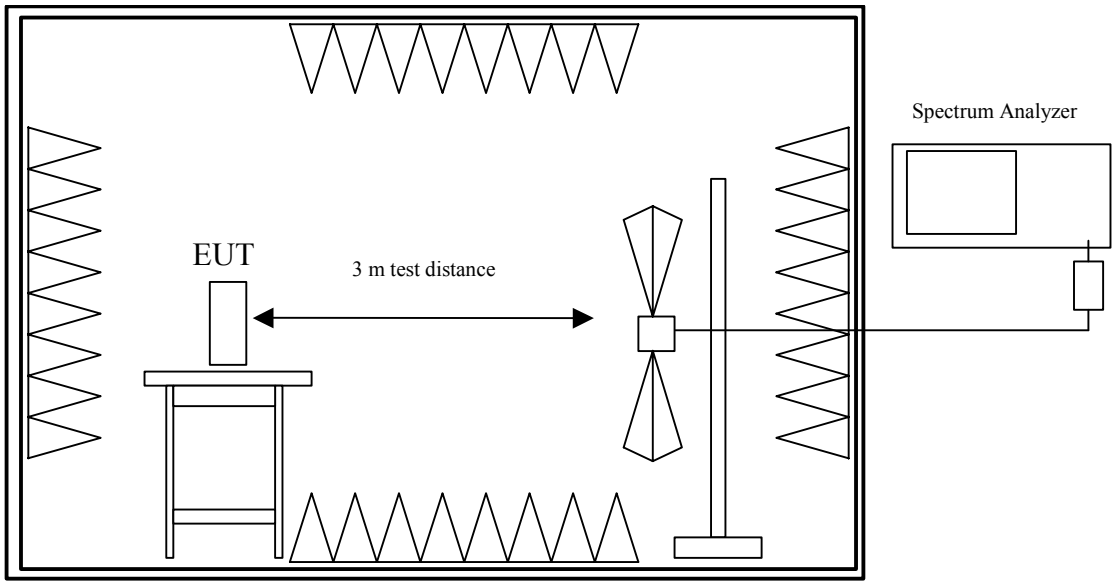
5.3. Radiated Emissions 30 MHz – 1 GHz

Rules and Specifications:	Section 15.247
Guide:	ANSI C63.4:2003

Measurement Procedure:

Radiated emissions are measured over the frequency range from 30 MHz to 1 GHz.

Measurements were 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 bandwidth set to 100 kHz. All tests were performed at a test-distance of 3 meters. 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



Fully anechoic chamber

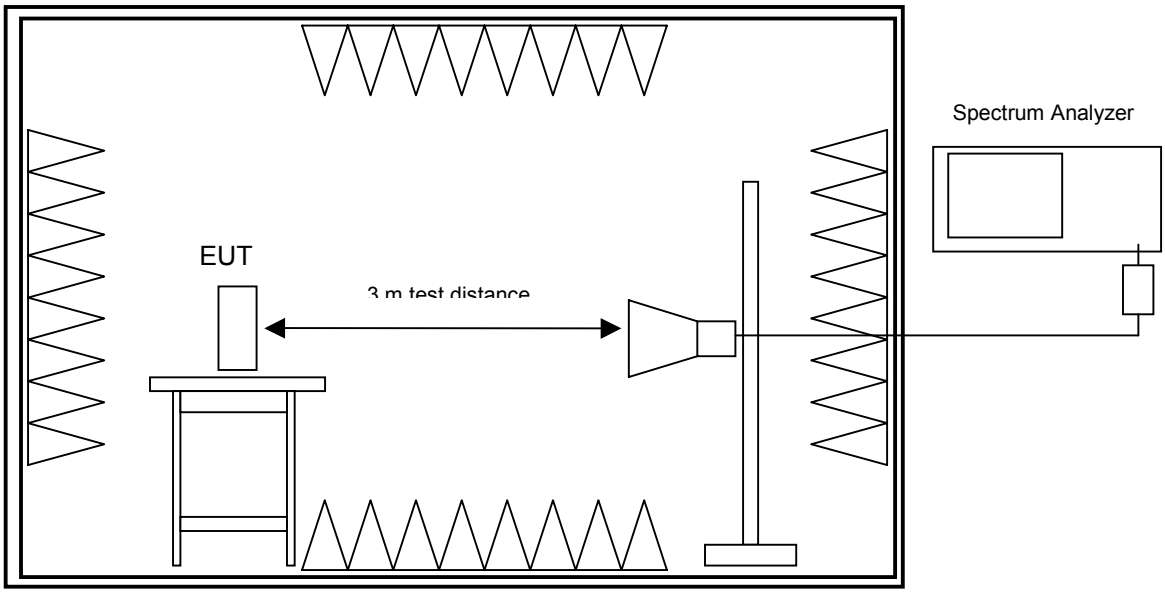
Test instruments used:

No.	Type	Model	Serial Number	Manufacturer
01	Spectrum Analyzer	FSP 30	100063	Rohde & Schwarz
113	Preamplifier	CPA9231A	3393	Schaffner
141	Trilog broadband antenna	VULB 9163	9163-188	Schwarzbeck
003	Fully anechoic room	No. 2	1452	Albatross Projects

5.4. Radiated Emission > 1 GHz

Rules and Specifications:	Section 15.247
Guide:	ANSI C63.4:2003

Measurement Procedure:
Radiated emissions are measured in the frequency range 1 GHz to 25 GHz. Resolution and video bandwidth of the spectrum analyzer are set to 1 MHz. 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. Additional measurements are performed at critical frequencies with reduced span. EUT is rotated all around and receiving antenna is raised and lowered to find the maximum levels of emission. The cables and equipment are placed and moved within the range of position likely to find their maximum emissions. All tests are performed in a fully-anechoic chamber with a test-distance of 3 meters. If required preamplifiers are used for the whole frequency range. Special care is taken to avoid overload in transmit mode (using appropriate attenuators and filters if necessary).



Fully anechoic chamber

Test instruments used:

No.	Type	Model	Serial Number	Manufacturer
01	Spectrum Analyzer	FSP 30	100063	Rohde & Schwarz
143	Log. periodic antenna	3147	9112-1054	EMCO
145	Horn antenna	3115	9508-4553	EMCO
146	Horn antenna set	3160-03/-09	9112-1003	EMCO
114	Preamplifier 1-8 GHz	AFS3-00100800-32-LN	847743	Miteq
115	Preamplifier 8-18 GHz	ACO/180-3530	32641	CTT
003	Fully anechoic room	No. 2	1452	Albatross Projects

5.5. Radiated Emission Measurement 9 kHz to 30 MHz

Rules and Specifications:	CFR 47 Part 15, sections 15.205 and 15.209
Guide:	ANSI C63.4-2003

Measurement Procedure:

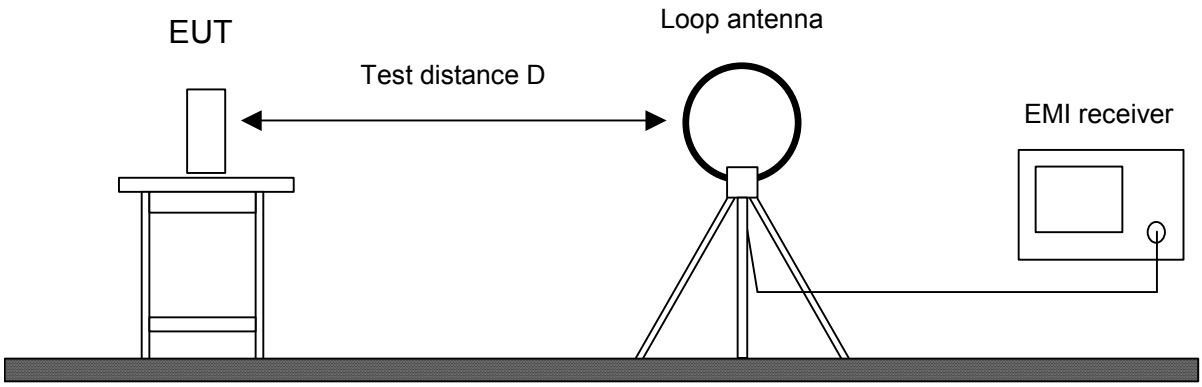
Radiated emission in the frequency range 9 kHz to 30 MHz is measured using an active loop antenna. First the whole spectrum of emission caused by the equipment is recorded at a distance of 3 meters in a fully or semi anechoic room with the detector of the spectrum analyzer or EMI receiver set to peak.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

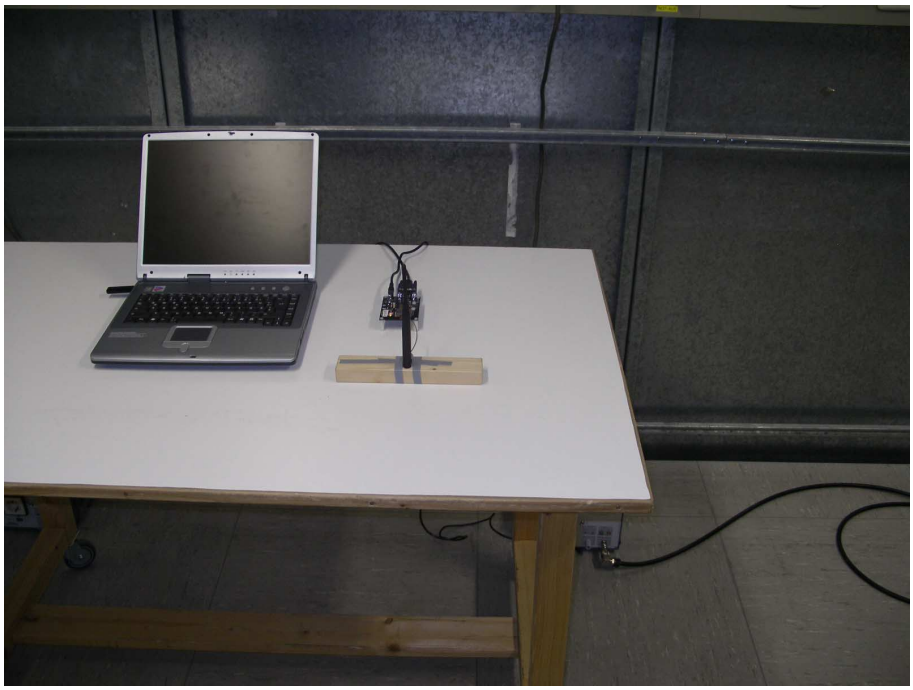


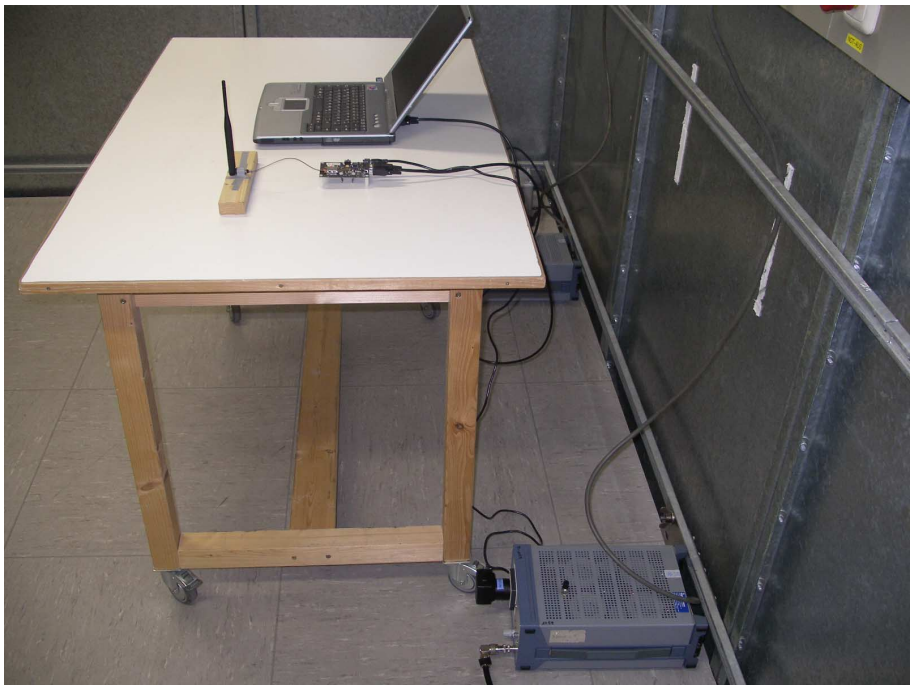
Test instruments used:

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. Photographs Taken During Testing

Test setup for conducted emission measurement 150 kHz - 30 MHz





Test setup for radiated emission measurement 30 MHz – 25 GHz (fully anechoic room)

7. List of Measurements

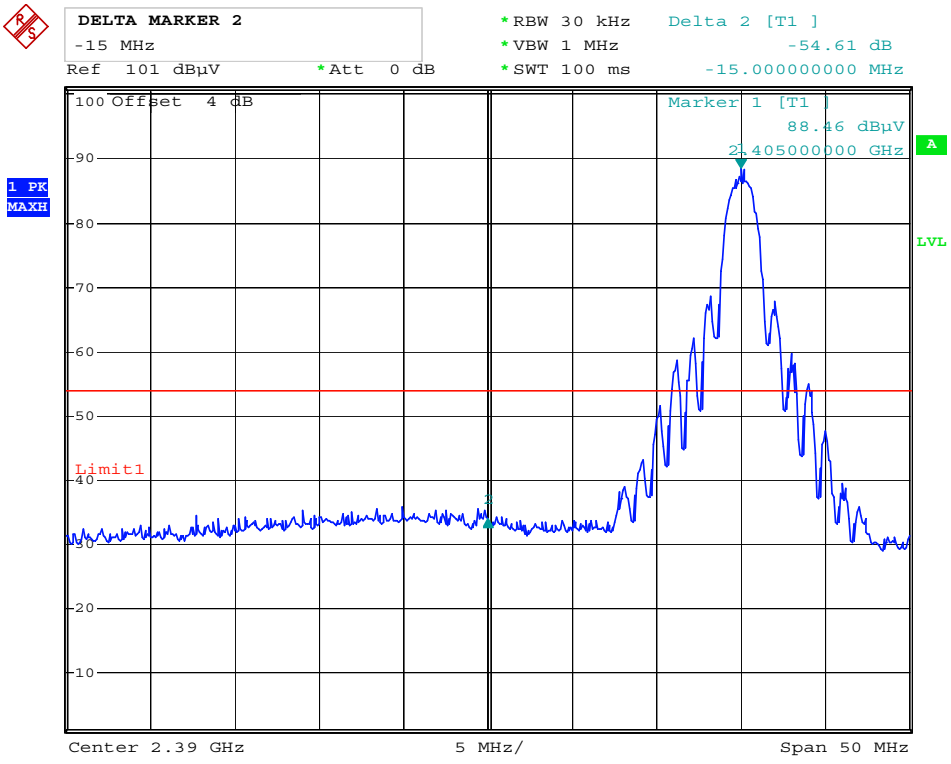
FCC Part 15 Subpart C			
Section(s):	**Test**	**Page(s)**	**Result**
	Transmitter:		
15.205	Restricted Bands	17	Pass
15.247 (a) (a2)	Channel Bandwidth	19	Pass
15.247 (b) (3)	Maximum Peak Output Power	21	Pass
15.247 (d)	Spurious Emissions - conducted	23	Pass
15.247 (d) **15.209**	Spurious Emissions - radiated	27	Pass
15.205 **15.209**	Radiated emissions 9 kHz - 30 MHz	29	Pass
15.247 (e)	Power Spectral Density	30	Pass
15.203	Antenna Requirement	32	Pass
2.1093	RF Exposure Requirement	34	Pass
15.207	Conducted AC Powerline Emissions	35	Pass
	Receiver		
15.111	Spurious Emissions on Antenna Port	---	N/A
15.109	Radiated Emissions	37	Pass

Restricted Band & Band Edge Compliance

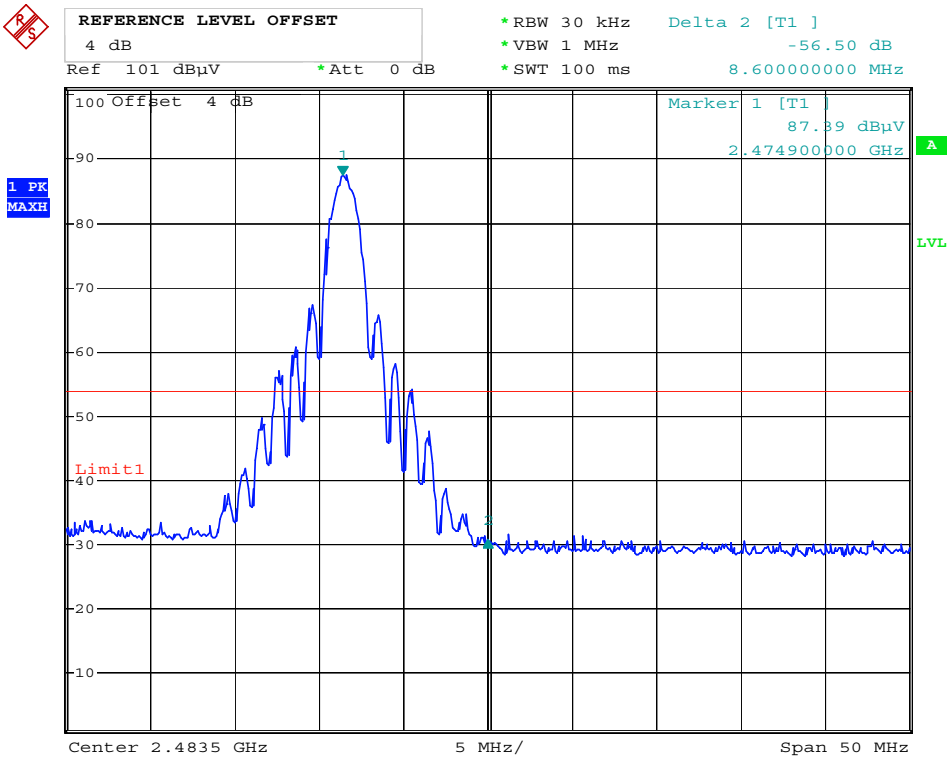
Rules and Specifications:	15.205
Guide:	ANSI C63.4:2003
Requirement:	Except as shown in paragraph (d) of section 15.205, only spurious emissions are permitted in any of the frequency bands listed.

Test Site:	Open Area Test Site (< 1GHz), Fully anechoic room (>1 GHz)
Distance:	Radiated Measurement
Date of Test:	09 March 2007

Restricted Band (MHz)	RF Channel	Result
2310 - 2390	Channel 1 (2405 MHz)	Pass
2483..5 - 2500	Channel 15 (2475 MHz)	Pass



Radiated measurement, antenna correction included, reading should be dBµV/m, Delta marker method



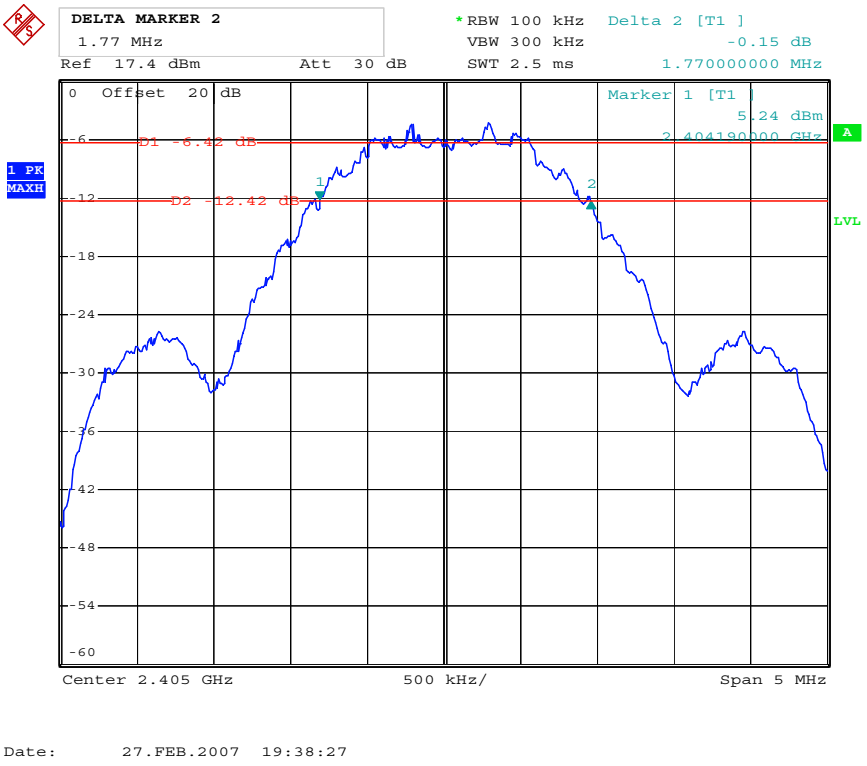
Date: 9.MAR.2007 21:02:47

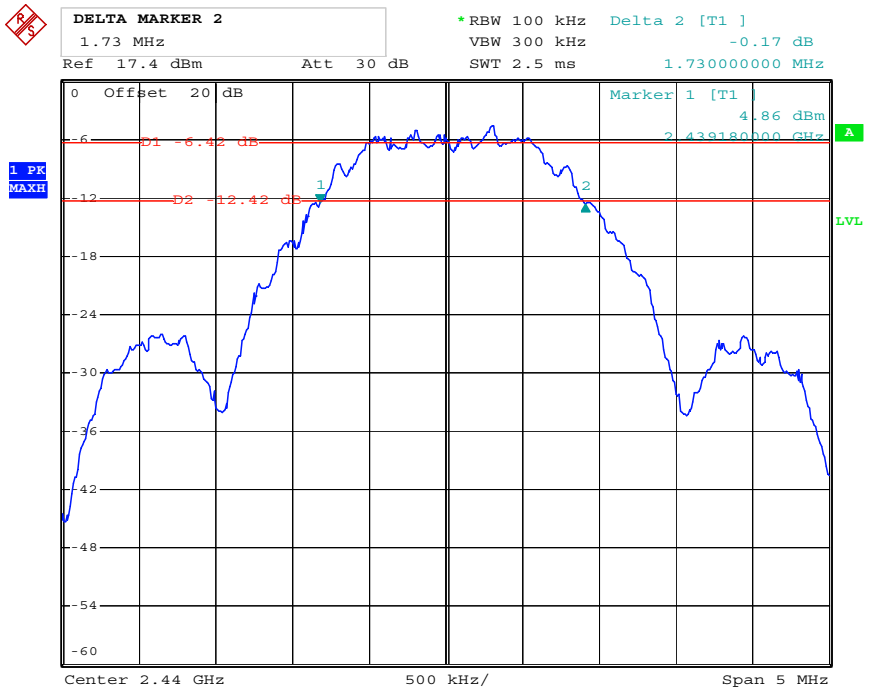
Channel Bandwidth

Rules and Specifications:	15.247 (a) (1) (i)
Guide:	ANSI C63.4:2003
Limit:	Systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725 - 5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

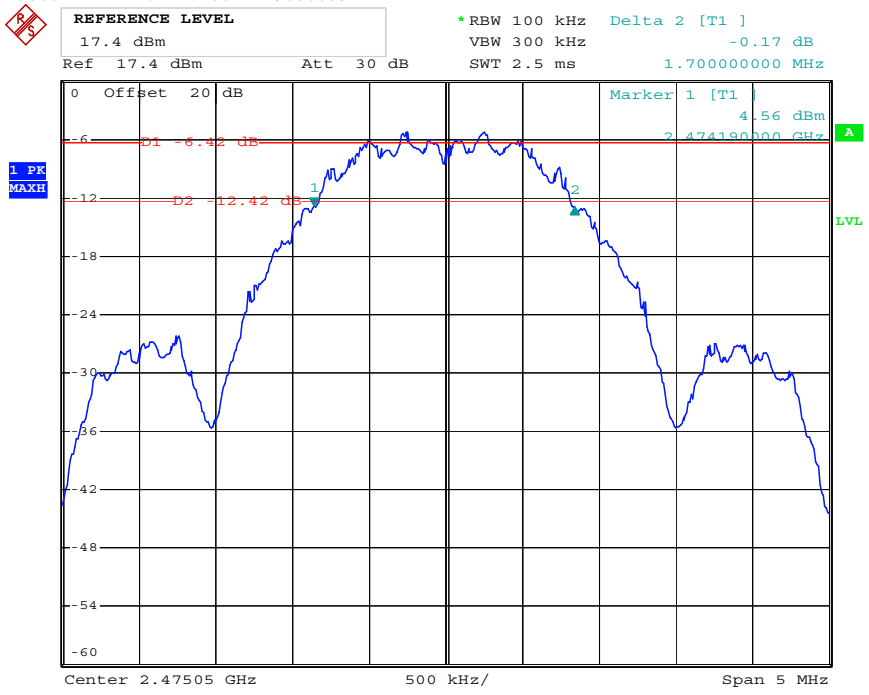
Test Site:	Radio Lab.
Distance:	Conducted Measurement
Date of Test:	09 January 2007

Frequency	Channel Bandwidth in kHz	Standard	Result
Low (2405 MHz)	1770	>500 kHz	Pass
Middle (2440 MHz)	1730	>500 kHz	Pass
High (2474 MHz)	1700	>500 kHz	Pass





Date: 27.FEB.2007 19:36:39



Date: 27.FEB.2007 19:35:00

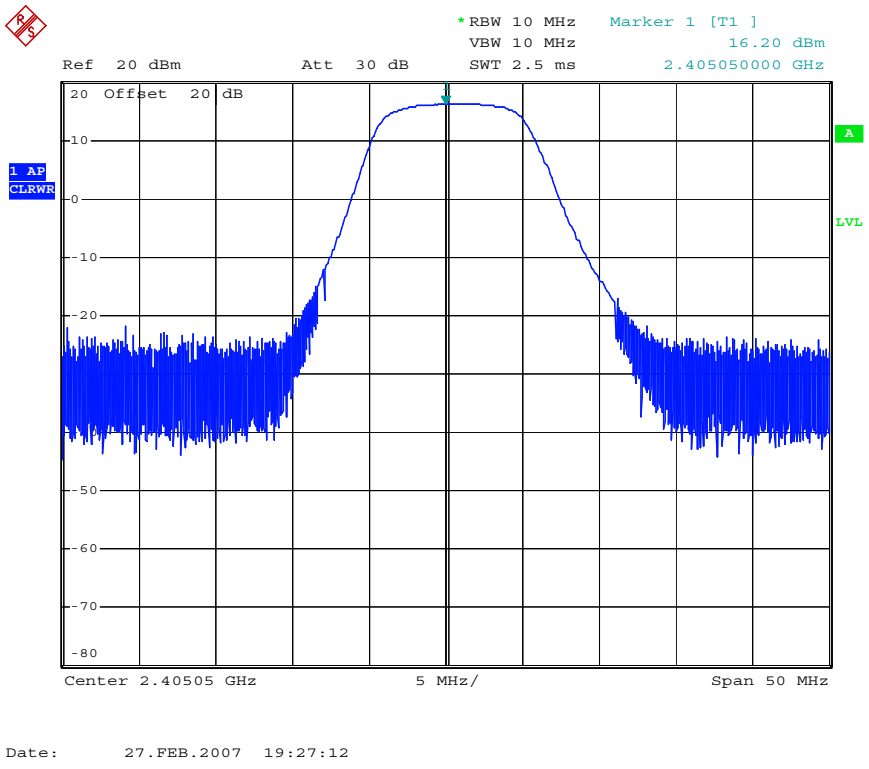
Carrier Power Measurement

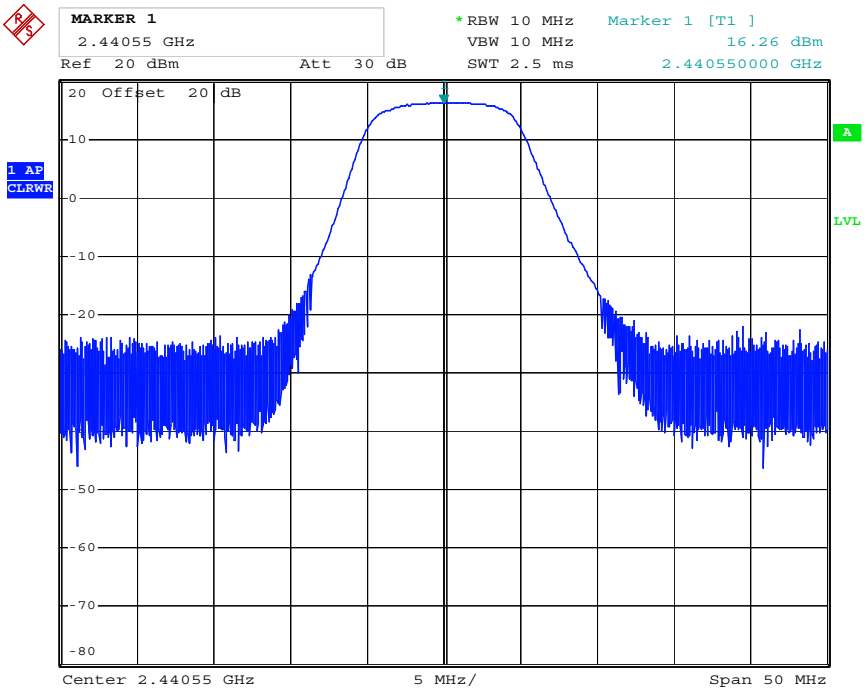
Rules and Specifications:	15.247 (b) (2)
Guide:	ANSI C63.4:2003
Limit:	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt

Test Site:	Radio Lab.
Distance:	Conducted Measurement, output power set to maximum
Date of Test:	09 January 2007

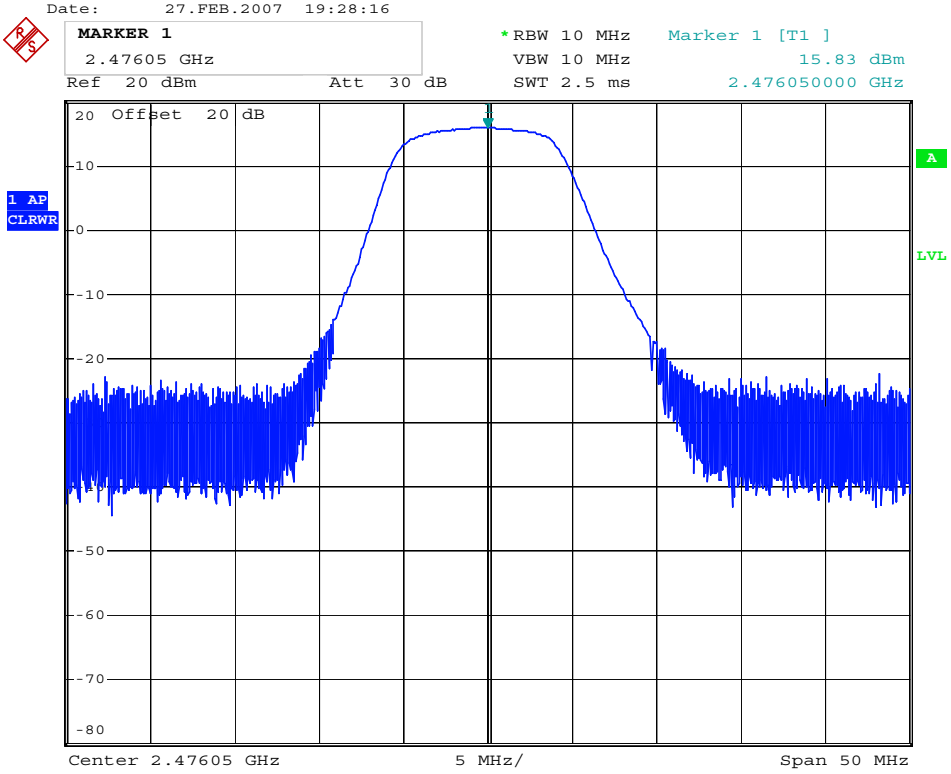
Frequency	Output Power in dBm	Output Power in W	Standard	Result
Low (2405 MHz)	**18.10**		≤1.00W	Pass
Middle (2440 MHZ)	**18.07**		≤1.00W	Pass
High (2475 MHz)	**17.56**		≤1.00W	Pass

Note: The values listed above have been retested with a power meter with PEP sensor, results will be slightly higher than that od the spectrum analyzer plots.





Date: 27.FEB.2007 19:28:16



Date: 27.FEB.2007 19:29:29

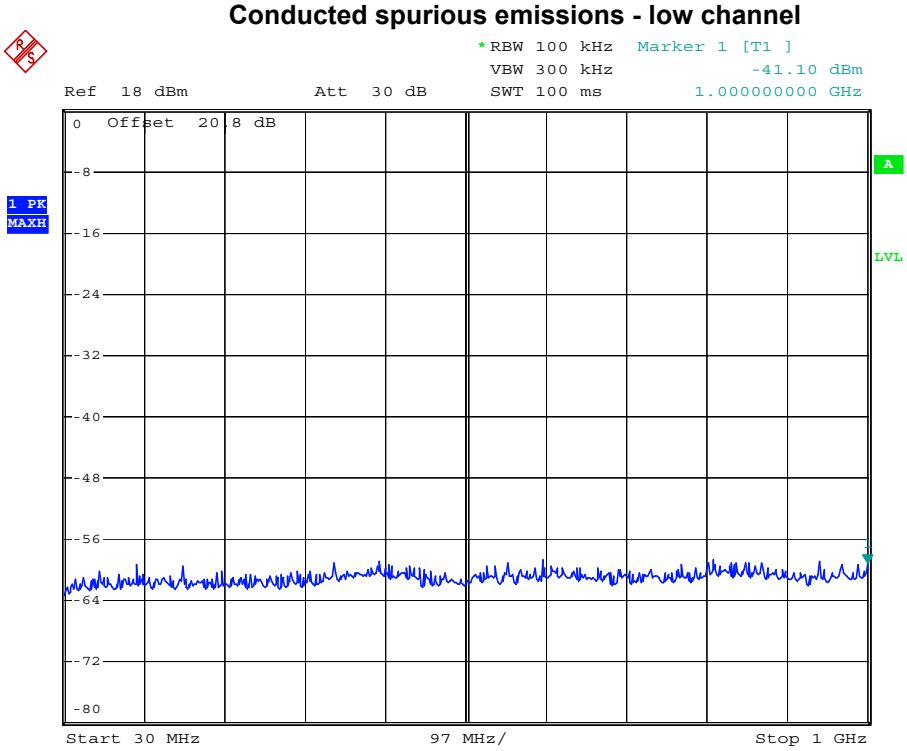
Spurious Emissions

Rules and Specifications:	15.247 (c)
Guide:	ANSI C63.4:2003
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio 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 a radiated measurement.

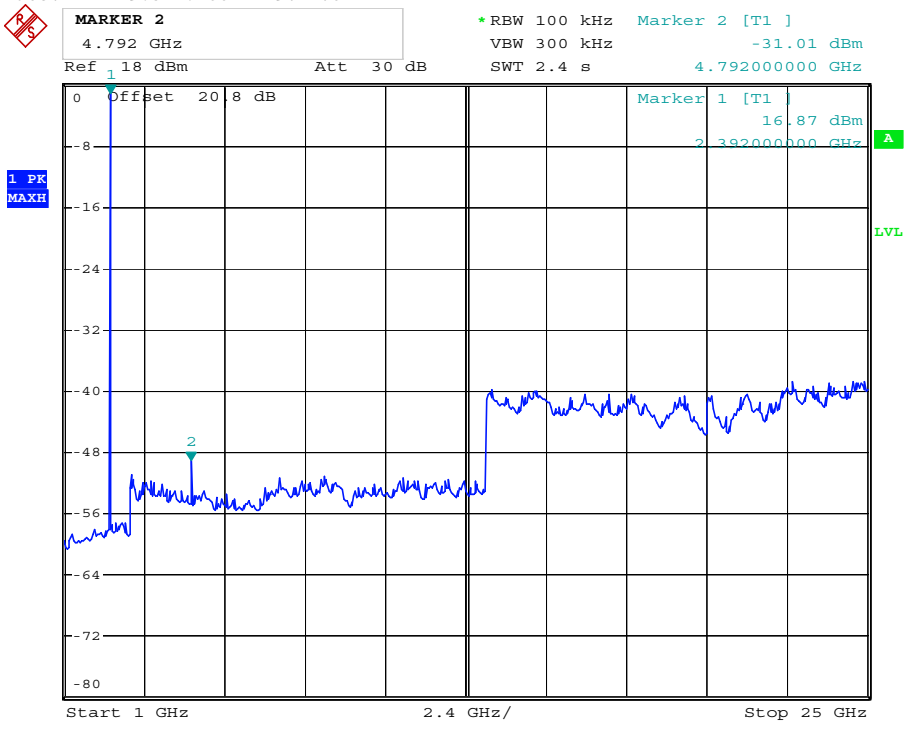
Test Site:	Radio Lab.
Distance:	Conducted Measurement, output power set to maximum
Date of Test:	09 January 2007

Frequency (MHz)	Measured Value (dBm)	Limit (dBm)	Margin (dB)	Result
2402.0	16.87		---	Fundamental
2440.0	17.14		---	Fundamental
2475.0	16.58		---	Fundamental
4804.0	-31.01	-3.13	-27.88	Pass
4880,0	-31.92	-2.86	-29.06	Pass
4950,0	-32.43	-3.42	29.01	Pass

Conducted spurious emissions - low channel

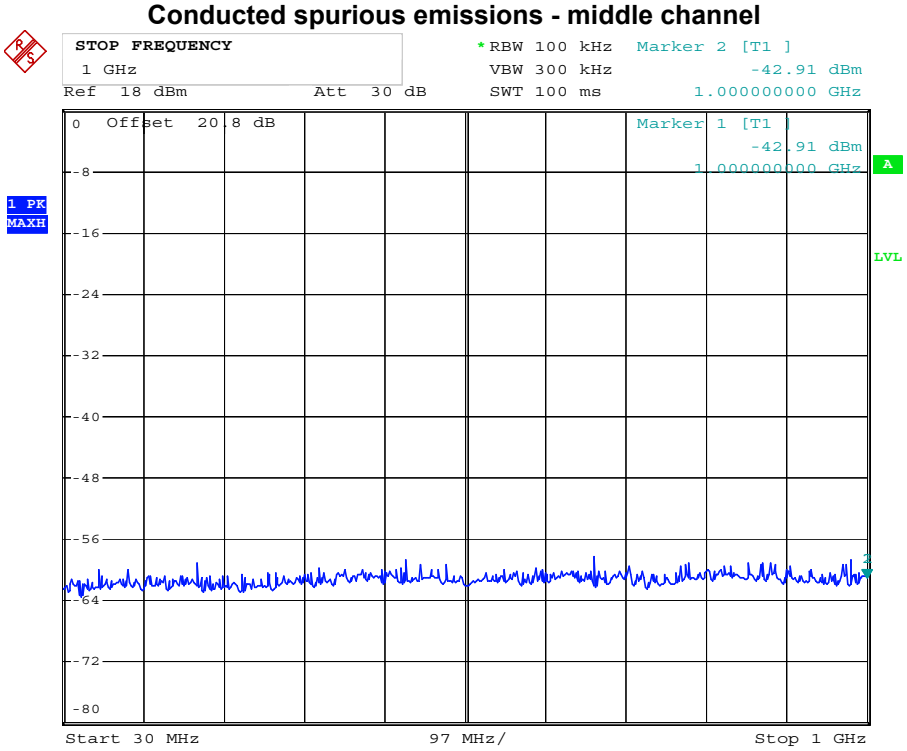


Date: 9.JAN.2007 19:14:07

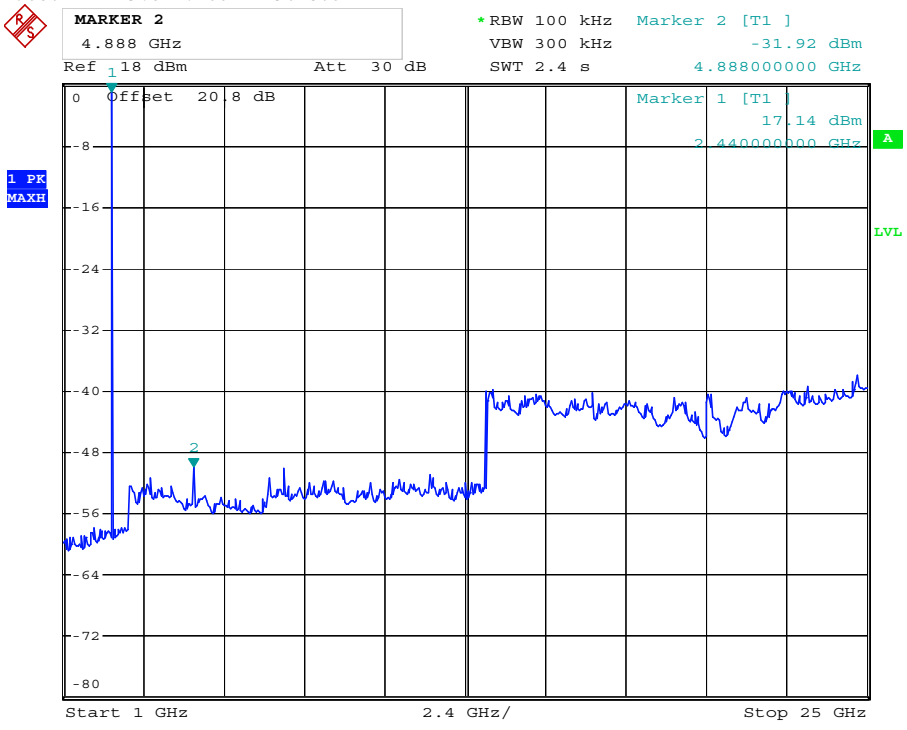


Date: 9.JAN.2007 19:15:24

Conducted spurious emissions - middle channel

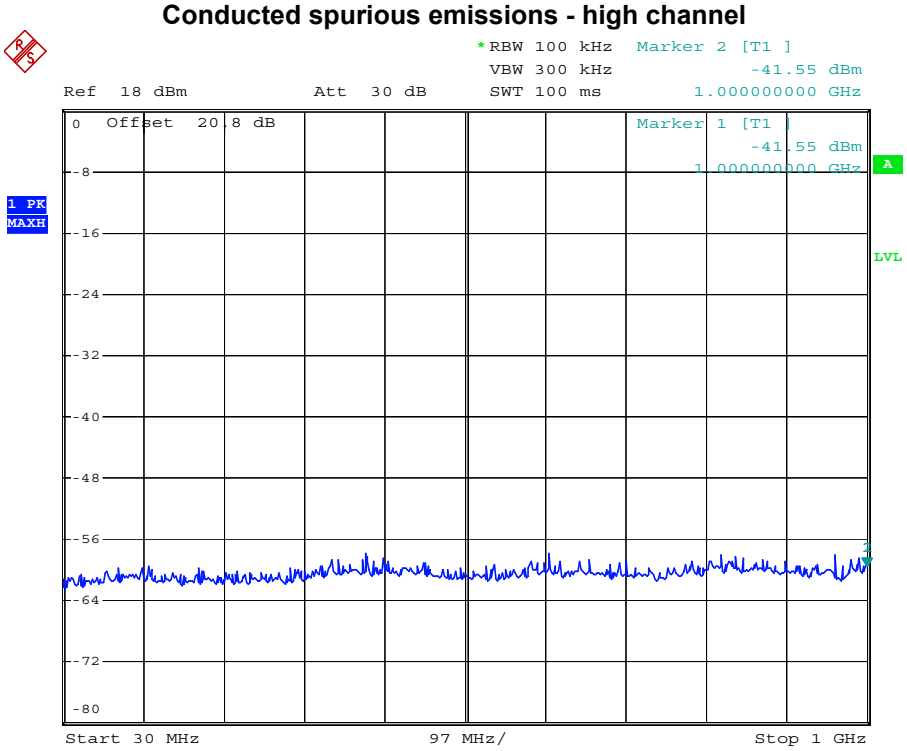


Date: 9.JAN.2007 19:18:02

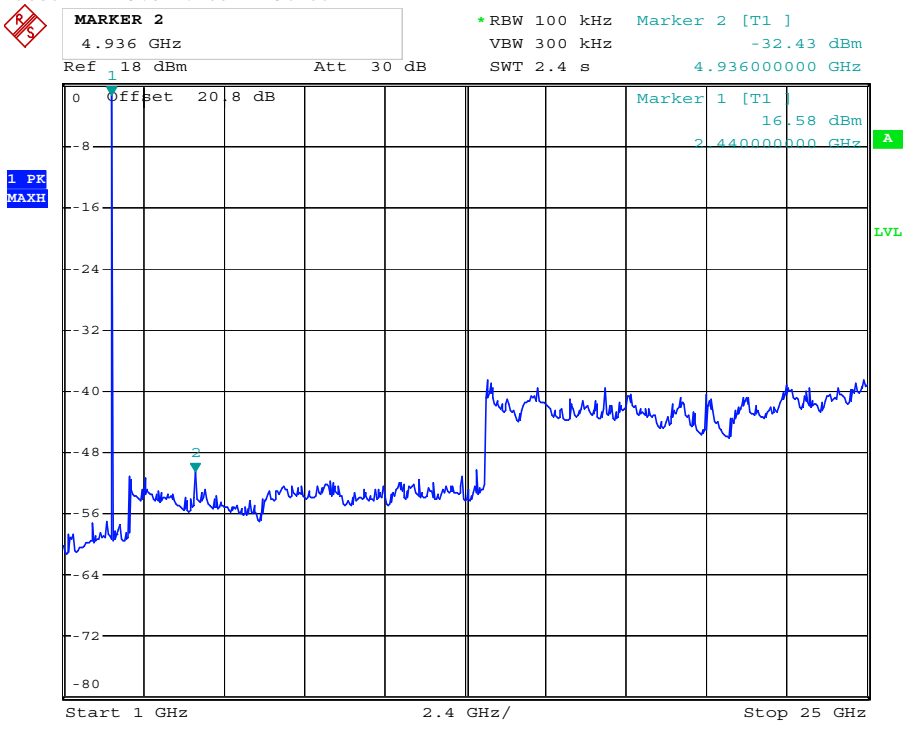


Date: 9.JAN.2007 19:17:31

Conducted spurious emissions - high channel



Date: 9.JAN.2007 19:20:24



Date: 9.JAN.2007 19:21:15

Spurious Emissions

Rules and Specifications:	15.247 (c)
Guide:	ANSI C63.4:2003
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio 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 a radiated measurement. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

Test Site:	Open Area Test Site (< 1GHz), Fully anechoic room (>1 GHz)
Distance:	Radiated Measurement, output power set to maximum
Date of Test:	

Unit A with external 5 dBi Dipole antenna, lowest, middle and highest RF Channel

Frequency (MHz)	Antenna Polarisation	Detector	Meter Reading (dBµV)	Antenna Correction (dB)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2405.0	Vertical	Peak	68.51	33.41	101.92	---	---
2439.1	Vertical	Peak	68.63	33.48	102.11	---	---
2468.1	Vertical	Peak	69.10	33.55	102.65	---	---
214.3	Vertical	Q.P	27.65	12.83	40.48	43.50	3.02
1870.0	Vertical	Peak	20.20	31.62	51.82	54.00	2.18
7217.7	Horizontal	Peak	13.62	38.95	52.57	54.00	1.43
9619.6	Horizontal	Peak	8.44	44.13	52.57	54.00	1.43
14432.0	Horizontal	Peak	-4.56	51.15	46.59	54.00	7.41

Unit B with internal chip antenna, lowest, middle and highest RF Channel

Frequency (MHz)	Antenna Polarisation	Detector	Meter Reading (dBµV)	Antenna Correction (dB)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2405.0	Horizontal	Peak	70.07	36.04	106.11	---	---
2440,0	Horizontal	Peak	68.73	36.20	104.93	---	---
2475.1	Horizontal	Peak	66.32	36.36	102.68	---	---
214.3	Vertical	Q.P	27.65	12.83	40.48	43.50	3.02
1870.0	Vertical	Peak	20.20	31.62	51.82	54.00	2.18
7217.7	Horizontal	Peak	13.74	38.95	52.69	54.00	1.31
9619.6	Horizontal	Peak	8.44	44.13	52.57	54.00	1.43
14432.0	Horizontal	Peak	-4.56	51.15	46.59	54.00	7.41

Radiated Emission Measurement 9 kHz to 30 MHz

Rules and Specifications:	CFR 47 Part 15, sections 15.205 and 15.209			
Guide:	ANSI C63.4-2003			
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.			

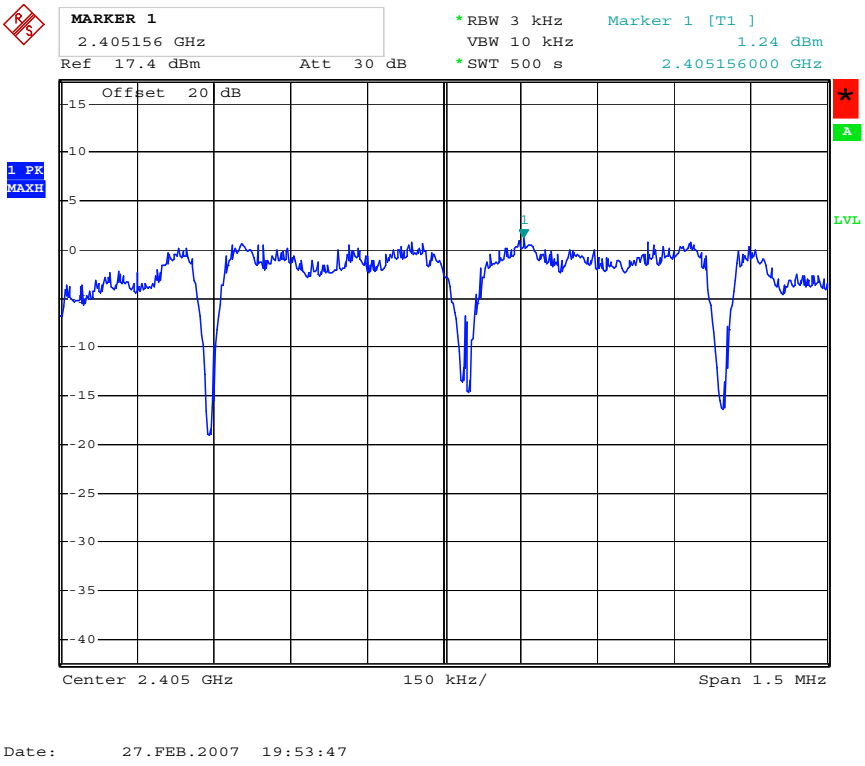
Test Result	Pass (No emissions below 30 MHz found)

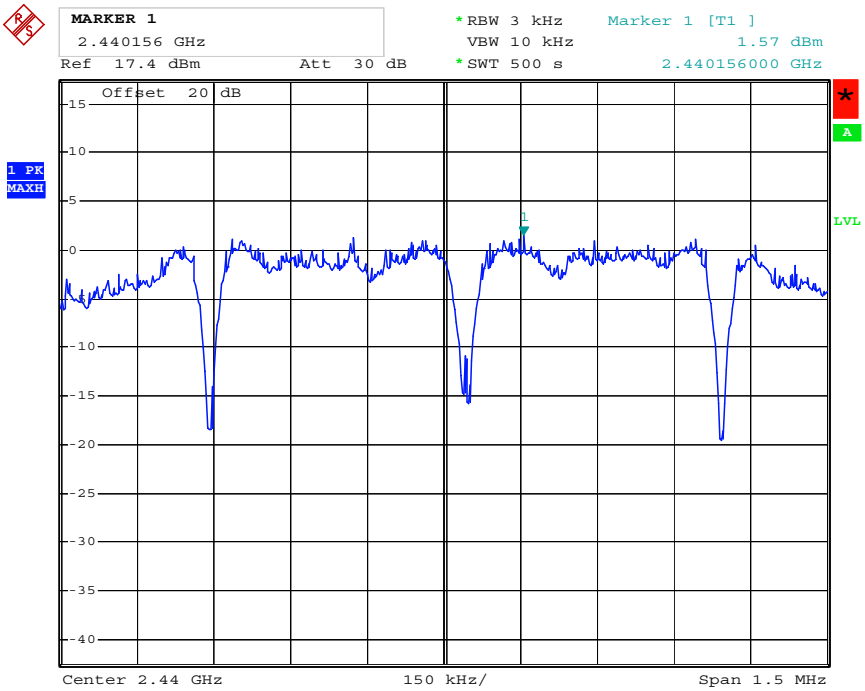
Power Spectral Density

Rules and Specifications:	15.247 (e)
Guide:	ANSI C63.4:2003
Limit:	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

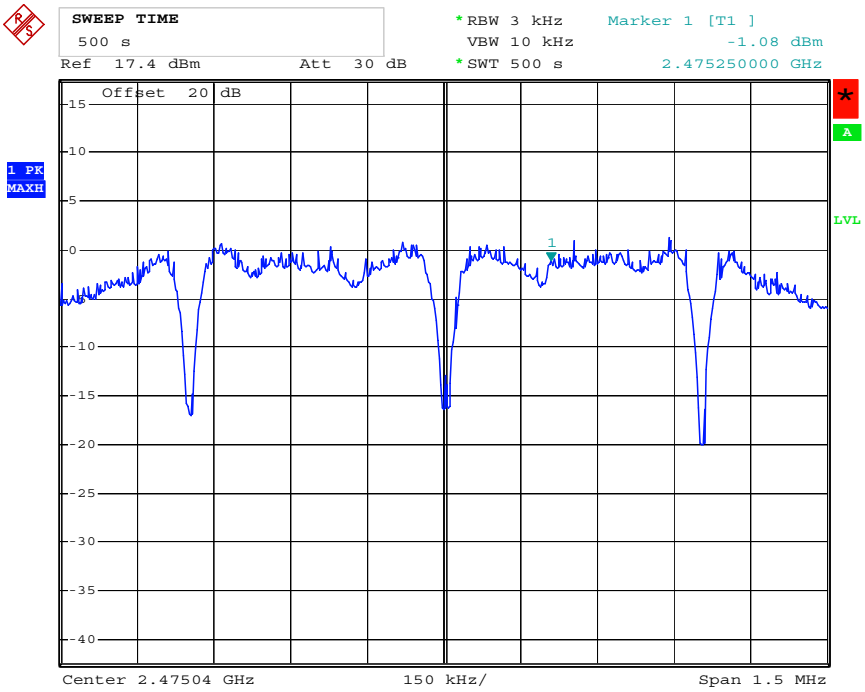
Test Site:	Radio Lab.
Distance:	Conducted Measurement, output power set to maximum
Date of Test:	27 Feb 2007

Frequency	Power Spectral Density in dBm/3 kHz		Standard dBm / 3 kHz	Result
Low (2405 MHz)	1.24		< 8	Pass
Middle (2440 MHz)	1.57		< 8	Pass
High (2475 MHz)	1.31		< 8	Pass





Date: 27.FEB.2007 20:03:51

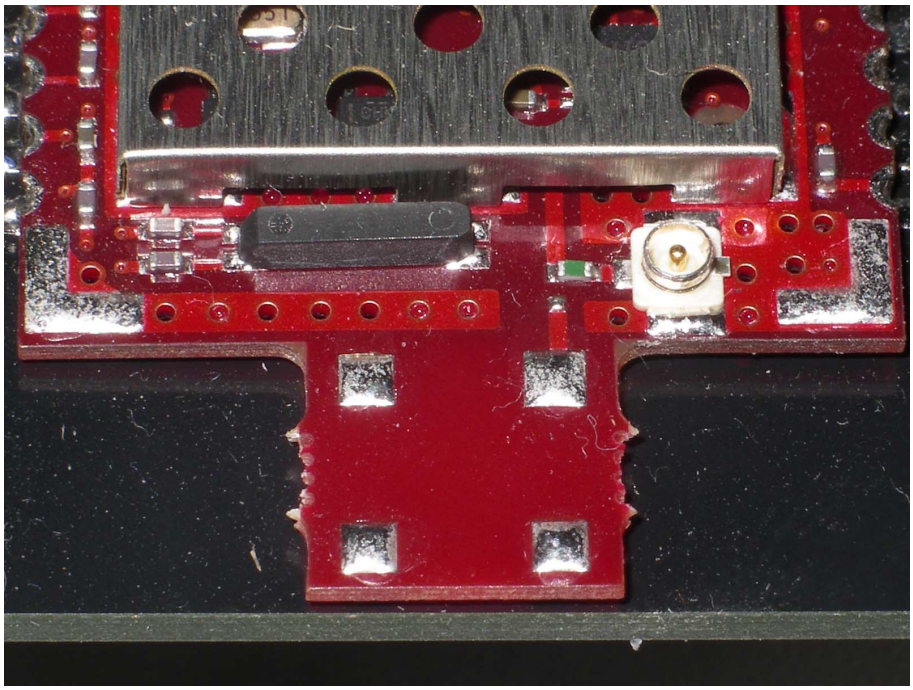


Date: 27.FEB.2007 20:19:47

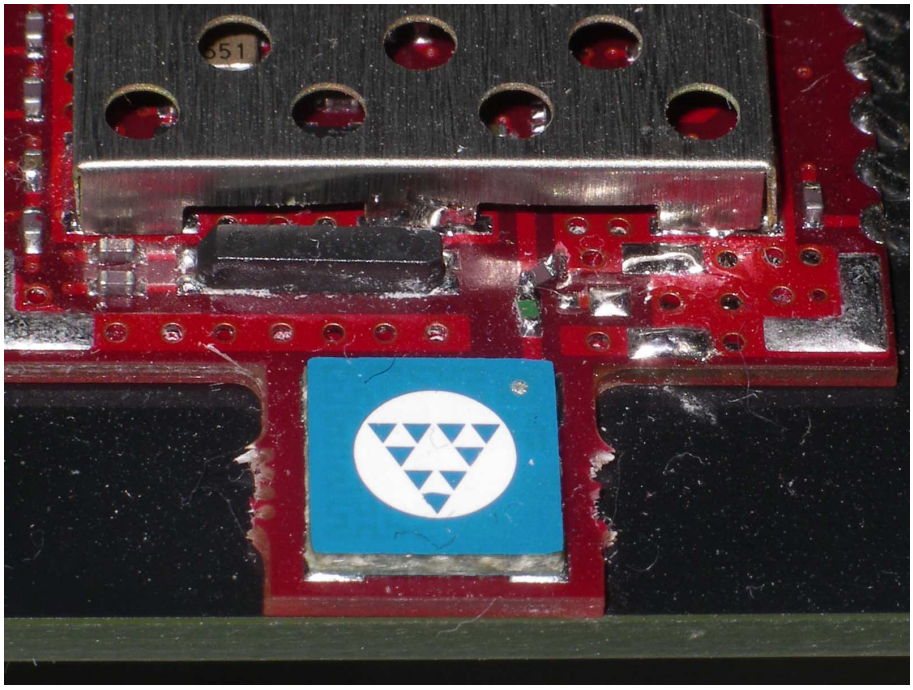
Antenna connector requirement

Rules and Specifications:	15.203
Guide:	---
Limit:	An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section.

Test Result	Pass
	The UUT employs an Hirose U.FL series connector which meets the requirements for an unique antenna coupler.



Connector for external antenna



Integrated antenna

RF Exposure

Rules and Specifications:	15.247 (b) (4)
Guide:	OET Bulletin 65, Edition 97-01
Limit:	According to §15.247(b)(4) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissive Exposure (MPE)
General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm2	Averaging Time (minute)
1500 - 100 000 MHz	---	---	1.0	30

f = frequency in MHz

MPE Prediction of MPE according to equation from page 19 of OET Bulletin 65, Edition 97-01

$S = PG/4\pi R^2$

Where: S = power density
P = power input to 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 at antenna input terminal: **18.10 dBm = 64.6 mW**
Prediction distance: **20 cm**
Antenna gain: **5.0 dBi = 3.16 (numerical gain)**

Power density at 20 cm: **0.04 mW/cm2**

Test Result:	**Pass**	

Conducted Powerline Emission Measurement

Rules and Specifications:	15.107, 15.207		
Guide:	CISPR 22		
Limit:	Frequency of Emission (MHz)	Conducted Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5 0.5 – 5 5 - 30	66 to 56 56 60	56 to 46 46 50

	Line Cord AC powerline - Live Wire
Test Site:	EMC Lab. - Shielded Room 1
Distance:	Conducted Measurement
Date of Test:	27 February 2007

Frequency (MHz)	Detector	Analyzer Reading (dBµV)	Correction Factor (dB)	Final Value (dBµV)	Limit (dBµV)	Margin (dB)
0.150	QP	57.100		57.100	66.000	**8.9**
0.225	QP	58.400		58.400	62.600	**4.2**
0.230	QP	57.400		57.400	62.400	**5.0**
0.255	AV	51.000		51.000	51.600	**0.6**
0.380	AV	37.800		37.800	48.300	**10.5**
0.635	AV	37.500		37.500	46.000	**8.5**
0.650	QP	39.600		39.600	56.000	**16.4**
0.765	AV	41.100		41.100	46.000	**4.9**
0.795	QP	43.200		43.200	56.000	**12.8**
0.890	AV	42.100		42.100	46.000	**3.9**
0.985	QP	42.600		42.600	56.000	**13.4**
1.015	AV	39.600		39.600	46.000	**6.4**
1.270	AV	38.200		38.200	46.000	**7.8**

	Line Cord AC powerline - Neutral Wire
Test Site:	EMC Lab. - Shielded Room 1
Distance:	Conducted Measurement
Date of Test:	27 February 2007

Frequency (MHz)	Detector	Analyzer Reading (dBµV)	Correction Factor (dB)	Final Value (dBµV)	Limit (dBµV)	Margin (dB)
0.230	QP	50.900		50.900	62.400	**11.5**
0.255	AV	49.400		49.400	51.600	**2.2**
0.380	AV	46.200		46.200	48.300	**2.1**
0.395	QP	46.400		46.400	58.000	**11.6**
0.450	QP	44.600		44.600	56.900	**12.3**
0.510	AV	44.400		44.400	46.000	**1.6**
0.600	QP	44.800		44.800	56.000	**11.2**
0.635	AV	43.300		43.300	46.000	**2.7**
0.750	QP	44.000		44.000	56.000	**12.0**
0.760	AV	39.000		39.000	46.000	**7.0**
0.890	AV	39.000		39.000	46.000	**7.0**
0.975	QP	43.400		43.400	56.000	**12.6**
1.015	AV	39.000		39.000	46.000	**7.0**
1.270	AV	38.100		38.100	46.000	**7.9**
1.650	AV	34.100		34.100	46.000	**11.9**

Sample calculation of Final values:

Final Value (dBµV) = Analyzer Reading (dBµV) + Correction Factor (dB)

Test Results:	Pass	

Spurious Radiation Measurement

Rules and Specifications:	15.109,
Guide:	ANSI C63.4:2003
Limit:	Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated at least 50 dB below the level of the fundamental or to the general radiated emission limits below, whichever is the lesser attenuation

Frequency of Emission (MHz)	Field Strength (microvolts/meter)
30 - 88	100
88 - 216	150
216 - 960	200
Above 960	500

Tested Frequency:	RX Mode (Unit A with external antenna)
Test Site:	Open Area Test Site (< 1 GHz), Fully anechoic chamber (> 1 GHz)
Distance:	3 Meter

Frequency (MHz)	Detector	Antenna Polarization	Analyzer Reading (dBµV)	Correction Factor (dB/m)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
171.620	Peak	Horizontal	25.190	10.800	36.000	43.500	**7.5**
208.480	Peak	Horizontal	22.140	12.630	34.770	43.500	**8.7**
212.360	Quasi-Peak	Vertical	28.830	12.760	41.590	43.500	**1.9**
214.300	Peak	Vertical	29.030	12.830	41.860	43.500	**1.6**
233.700	Peak	Horizontal	24.310	13.660	37.970	46.000	**8.0**
1060.000	Peak	Horizontal	15.420	27.950	43.370	54.000	**10.6**
1198.000	Peak	Vertikal	19.080	28.530	47.610	54.000	**6.4**
1204.000	Peak	Horizontal	13.220	28.550	41.770	54.000	**12.2**
1324.000	Peak	Horizontal	11.720	29.000	40.720	54.000	**13.3**
1336.000	Peak	Vertikal	16.990	29.040	46.030	54.000	**8.0**
1468.000	Peak	Horizontal	11.570	29.490	41.060	54.000	**12.9**
1474.000	Peak	Vertikal	17.690	29.510	47.200	54.000	**6.8**
1600.000	Peak	Horizontal	12.790	30.180	42.970	54.000	**11.0**
1738.000	Peak	Vertikal	13.950	30.950	44.900	54.000	**9.1**
1744.000	Peak	Vertikal	15.880	30.980	46.860	54.000	**7.1**
1870.000	Peak	Vertikal	13.990	31.620	45.610	54.000	**8.4**

Tested Frequency:	RX Mode (Unit B with Chip antenna)
Test Site:	Open Area Test Site (< 1 GHz), Fully anechoic chamber (> 1 GHz)
Distance:	3 Meter

Frequency (MHz)	Detector	Antenna Polarization	Analyzer Reading (dBµV)	Correction Factor (dB/m)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
86.260	Peak	Vertical	18.730	12.210	30.950	40.000	**9.1**
158.040	Peak	Vertical	23.570	10.270	33.840	43.500	**9.7**
165.800	Peak	Horizontal	32.110	10.540	42.650	43.500	**0.9**
171.620	Peak	Vertical	25.400	10.800	36.200	43.500	**7.3**
183.260	Peak	Horizontal	23.430	11.710	35.140	43.500	**8.4**
200.720	Peak	Horizontal	27.050	12.370	39.410	43.500	**4.1**
212.360	Peak	Vertical	21.370	12.760	34.130	43.500	**9.4**
214.300	Peak	Horizontal	24.930	12.830	37.750	43.500	**5.8**
233.700	Peak	Horizontal	25.860	13.660	39.510	46.000	**6.5**
299.660	Peak	Vertical	23.510	15.020	38.540	46.000	**7.5**
301.600	Peak	Horizontal	21.270	15.060	36.330	46.000	**9.7**
903.000	Peak	Horizontal	13.770	24.200	37.960	46.000	**8.0**
1000.000	Peak	Horizontal	11.380	27.680	39.060	54.000	**14.9**
1048.000	Peak	Vertical	14.610	27.900	42.510	54.000	**11.5**
1065.333	Peak	Horizontal	8.690	27.980	36.670	54.000	**17.3**
1331.333	Peak	Horizontal	11.600	29.030	40.630	54.000	**13.4**
1474.000	Peak	Vertical	19.760	29.510	49.270	54.000	**4.7**
1592.667	Peak	Horizontal	9.150	30.140	39.290	54.000	**14.7**
1600.000	Peak	Vertical	14.420	30.180	44.600	54.000	**9.4**
1606.000	Peak	Vertical	14.420	30.220	44.640	54.000	**9.4**

Sample calculation of erp values:

Field Strength (dBµV/m) = Analyzer Reading (dBµV) + Correction Factor (dB/m)

8. Referenced Regulations

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

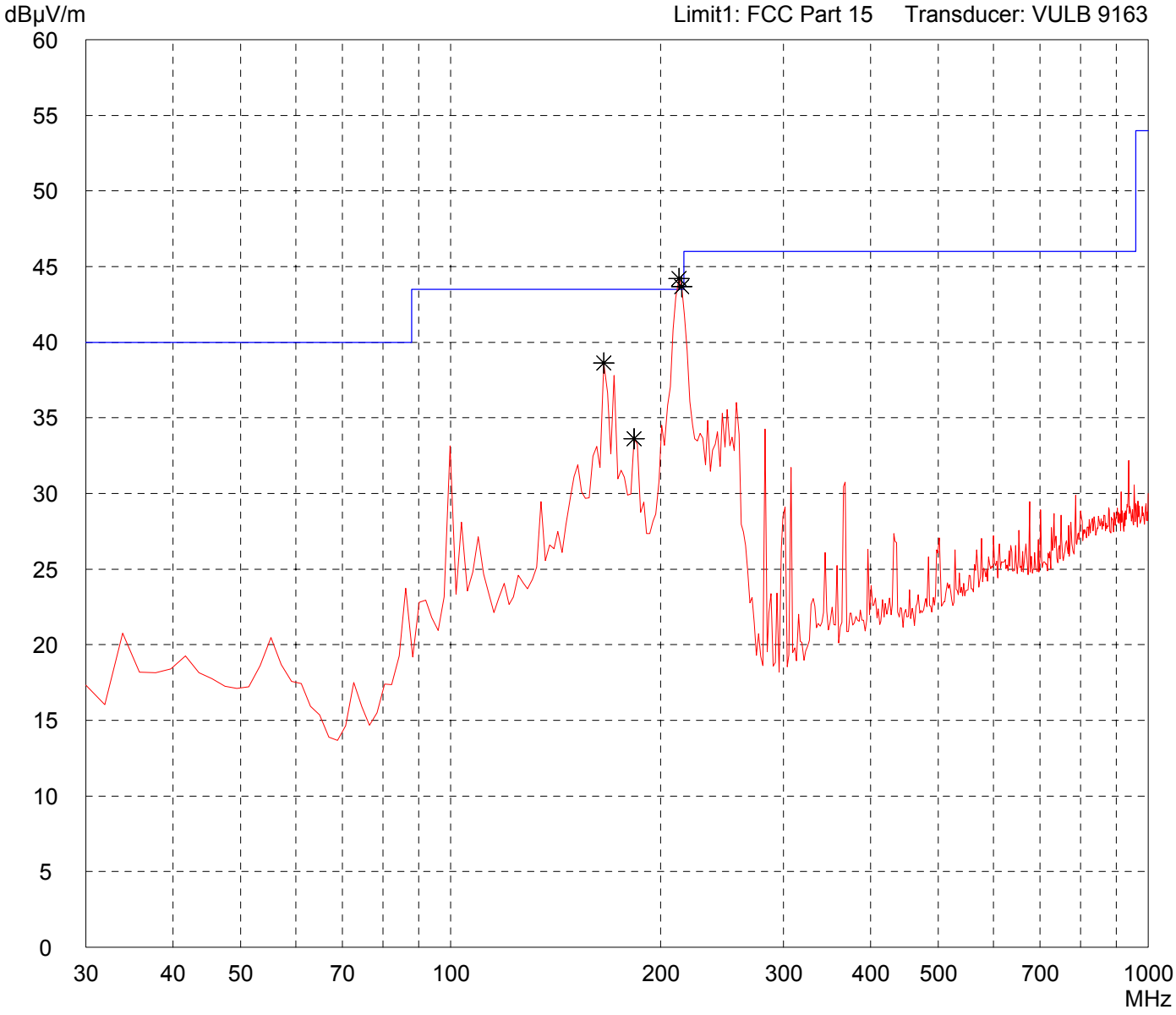
☒	CFR 47 Part 2	Code of Federal Regulations Part 2 (Frequency allocation and radio treaty matters; General rules and regulations) of the Federal Communication Commission (FCC)	October 1, 2006
☒	CFR 47 Part 15	Code of Federal Regulations Part 15 (Radio Frequency Devices) of the Federal Communication Commission (FCC)	August 14, 2006
☒	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)

9. Charts taken during testing

Radiated Emission Test 30 MHz - 1 GHz
acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/22/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

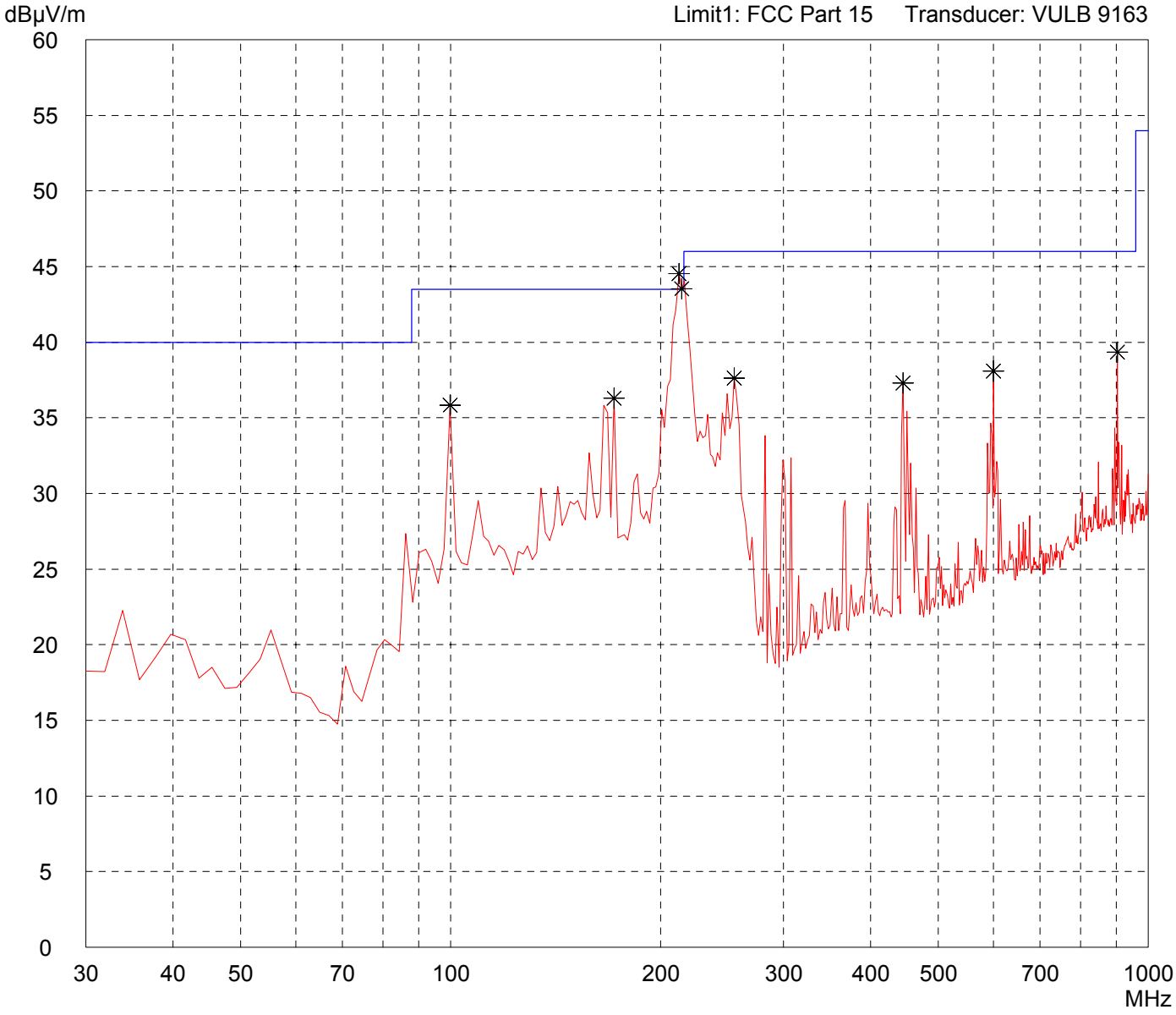


Result: Prescan	Project file: 56409-70012

Radiated Emission Test 30 MHz - 1 GHz
acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/22/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

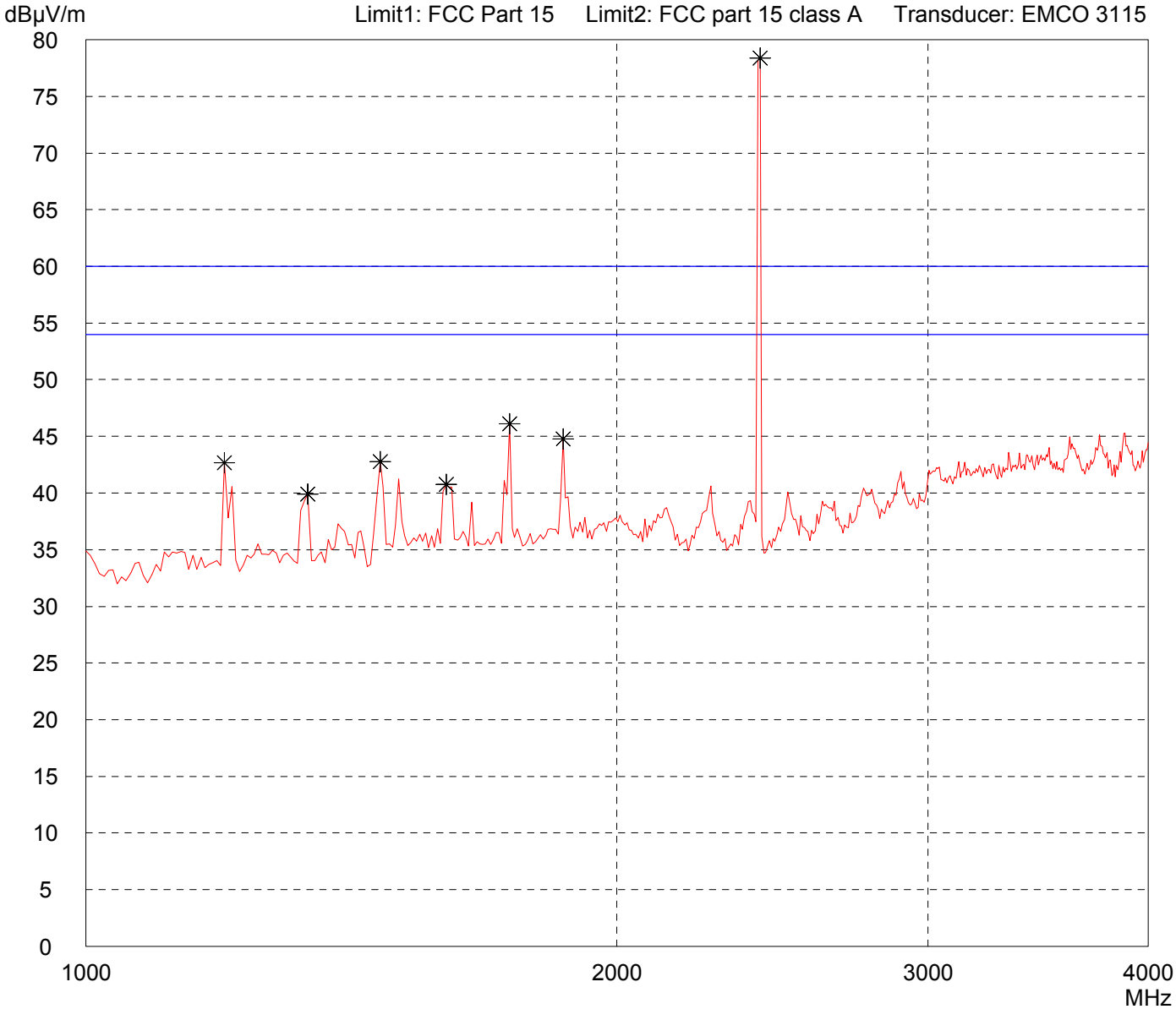


Result: Prescan	Project file: 56409-70012

Radiated Emission Test 1 GHz - 4 GHz
acc. to FCC Part 15 (EMCO 3115)

Model: ZB2430-100	Comment: - RX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/22/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

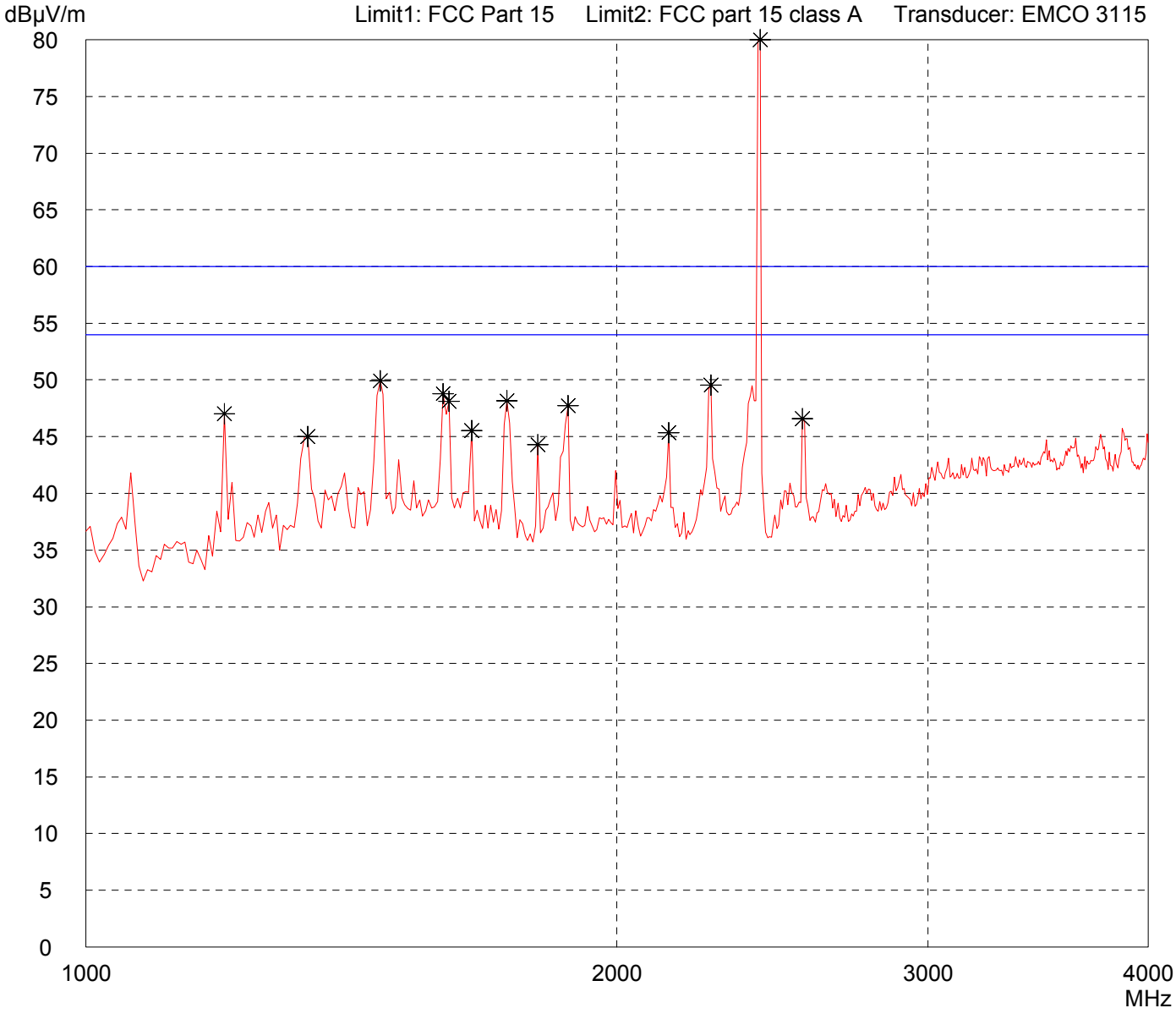
Detector: Peak	List of values: Selected by hand



Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 1 GHz - 4 GHz
acc. to FCC Part 15 (EMCO 3115)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/22/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand



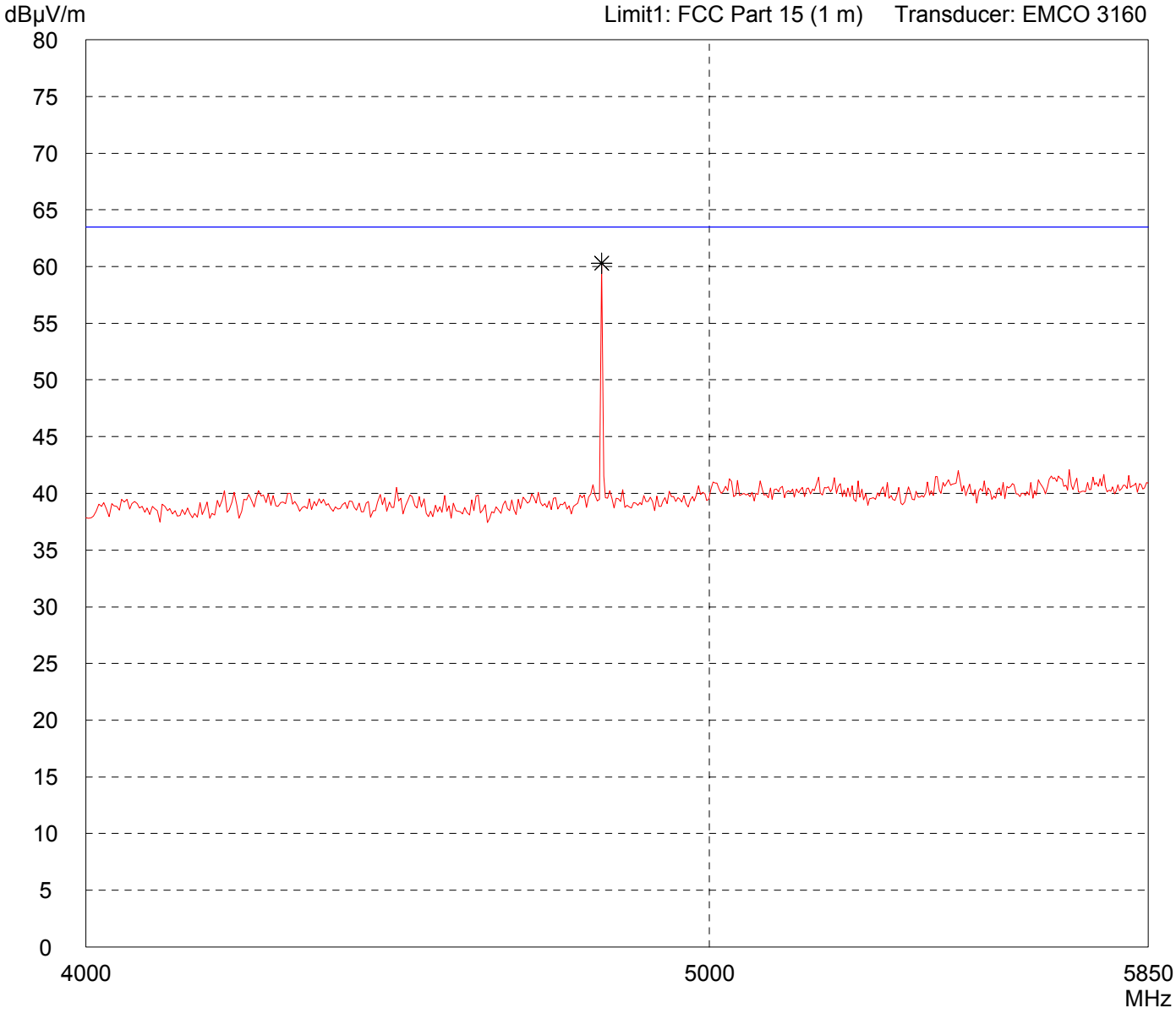
Result: Limit kept	Project file: 56409-70012

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

Radiated Emission Test 4 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



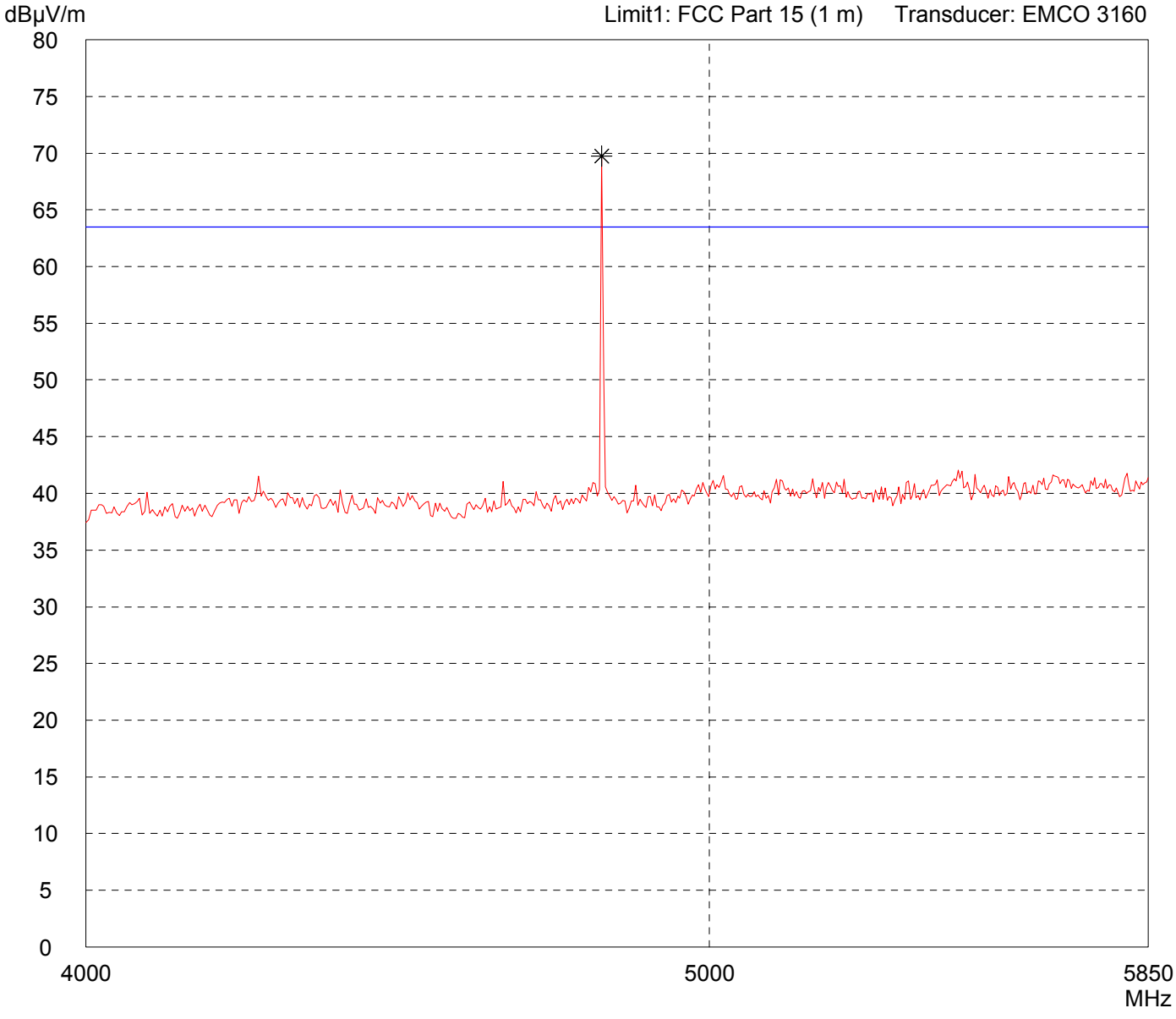
Result: Limit kept	Project file: 56409-70012

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

Radiated Emission Test 4 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

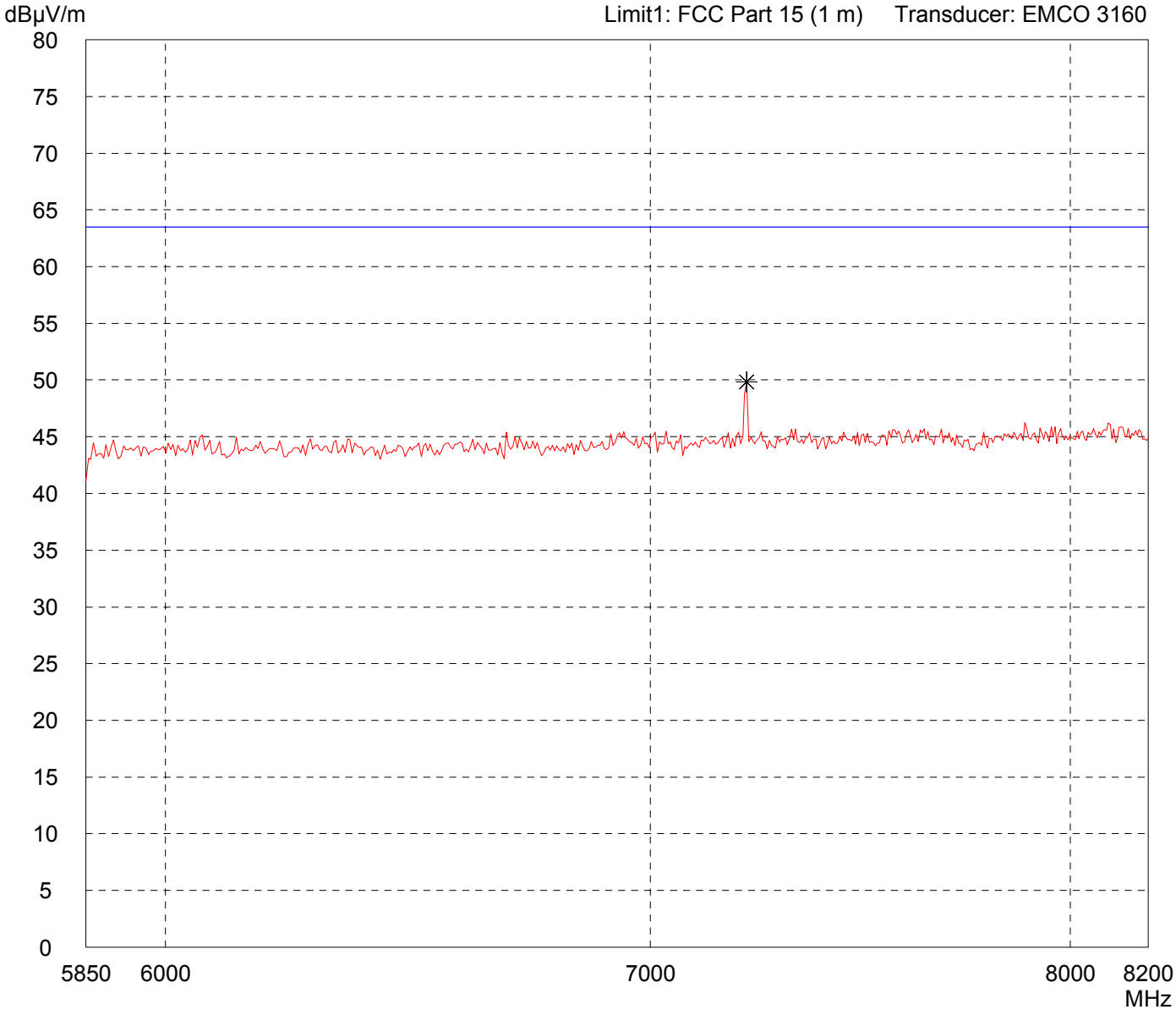
Detector: Peak	List of values: 10 dB Margin / 50 Subranges



Result: Limit not kept	Project file: 56409-70012

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand

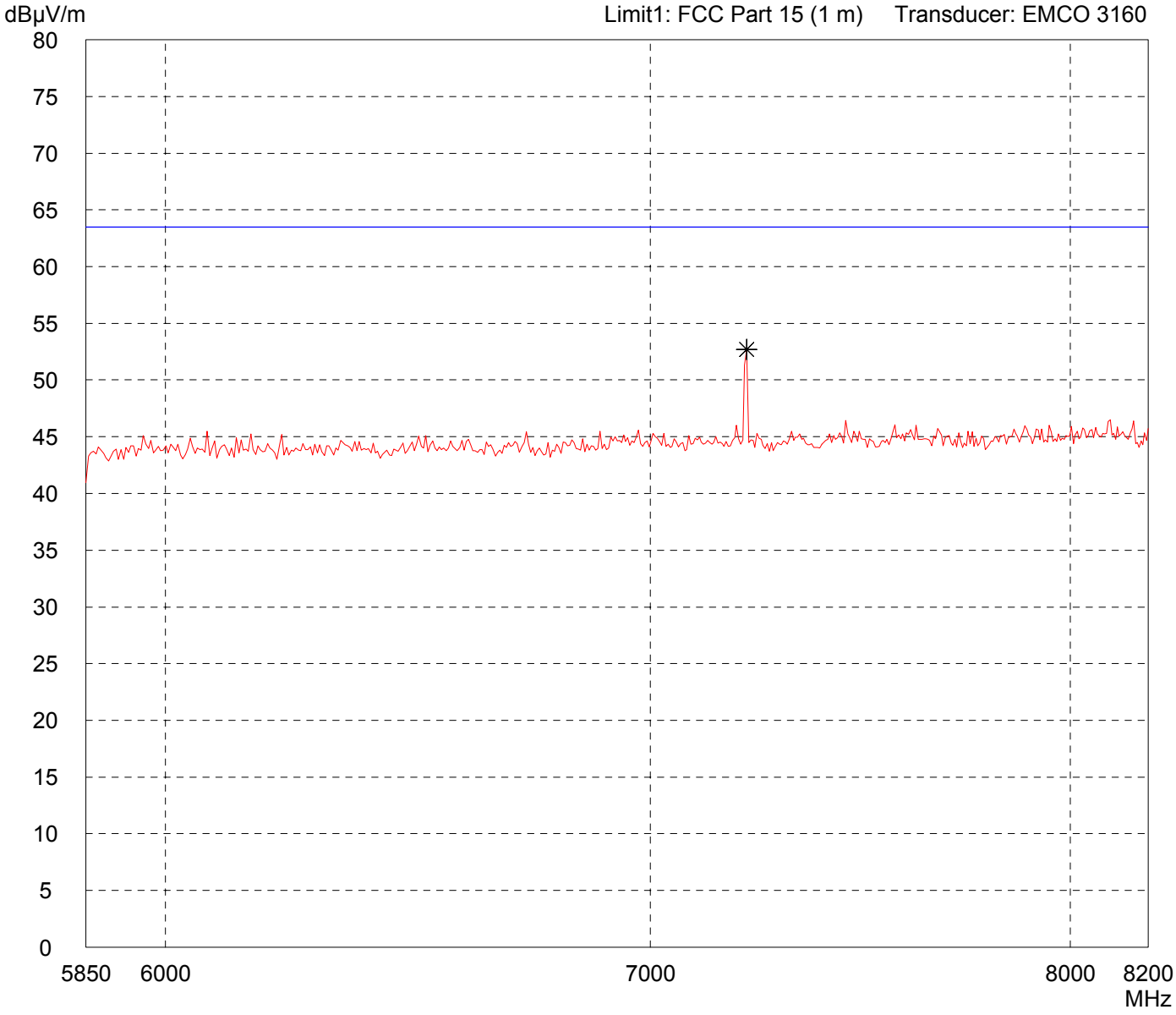


Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand



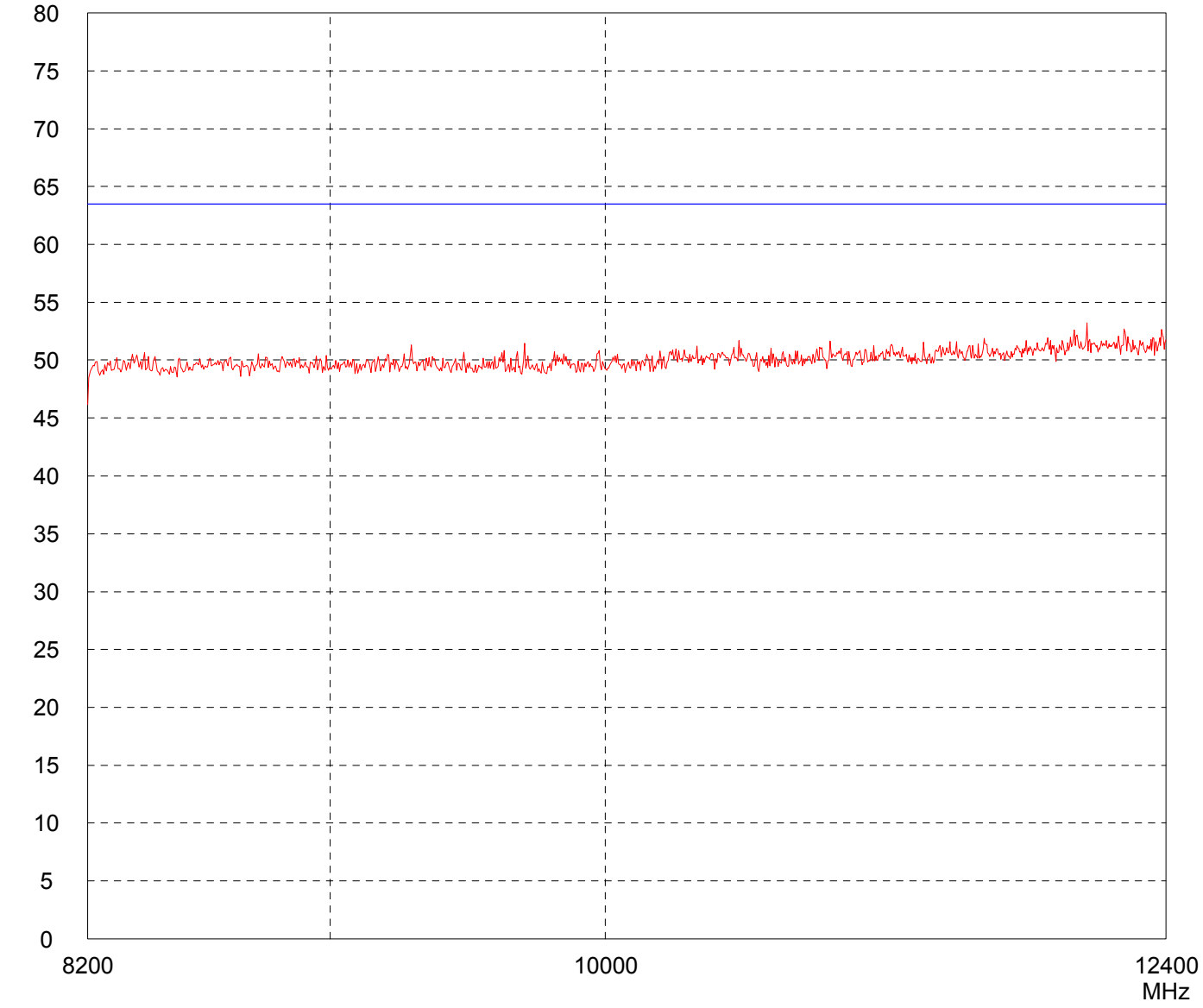
Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/18/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

dBµV/m — Limit1: FCC Part 15 (1 m) — Transducer: EMCO 3160



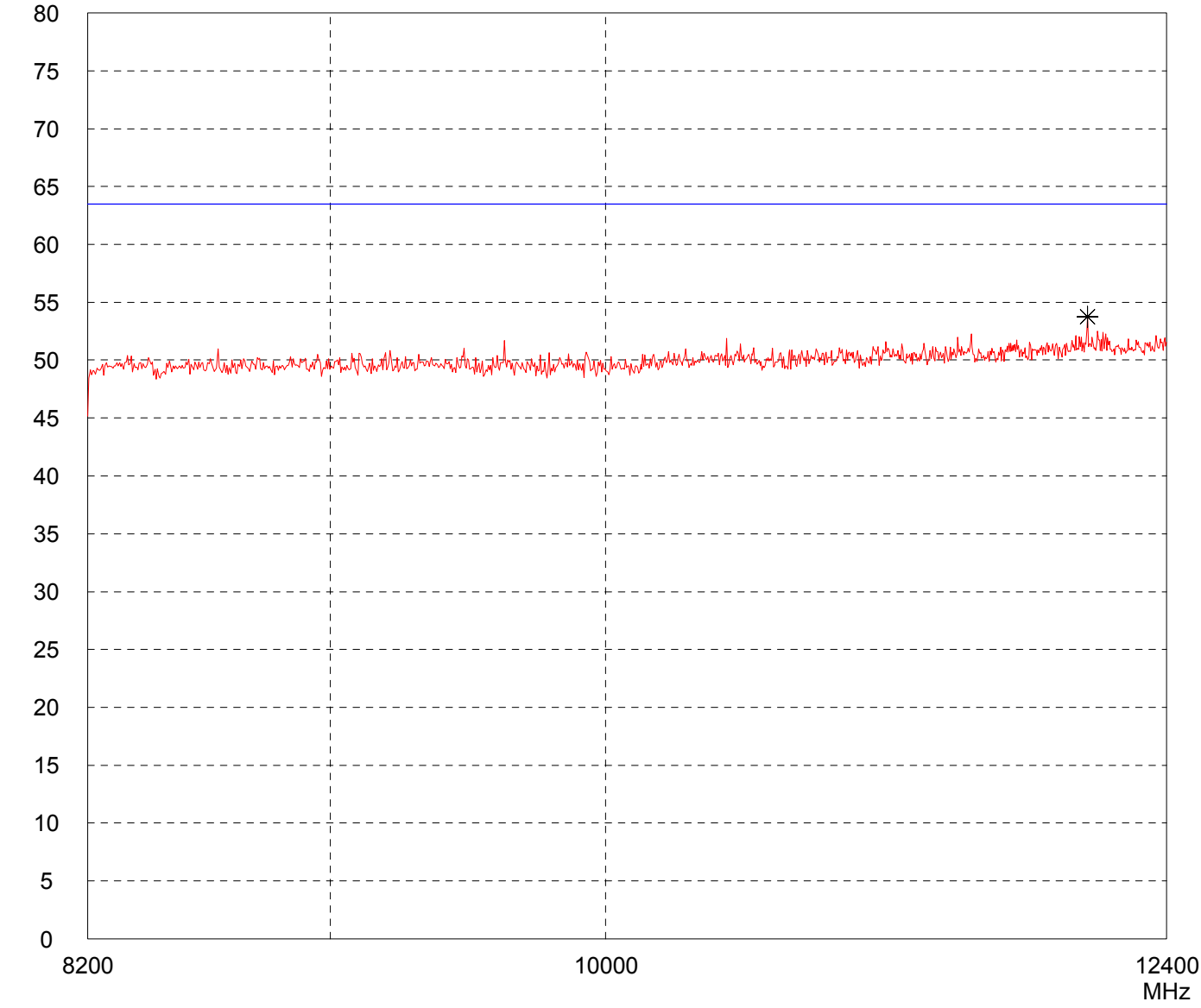
Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/19/2007 / Operator: J.Roidt	
Test performed: automatically / File name: default.emi	

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

dBµV/m — Limit1: FCC Part 15 (1 m) — Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

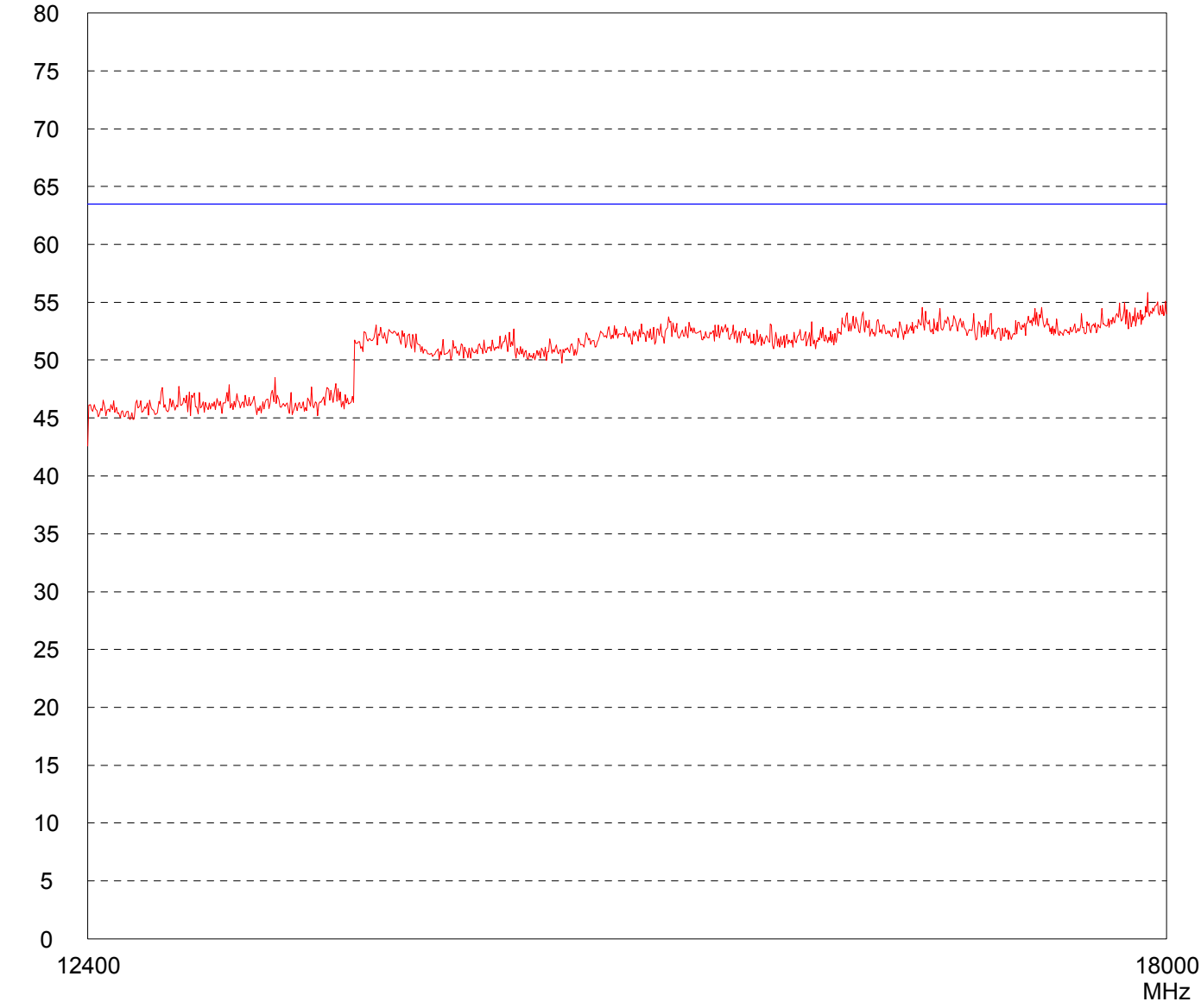
Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/19/2007 / Operator: J.Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

Limit1: FCC Part 15 (1 m) Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

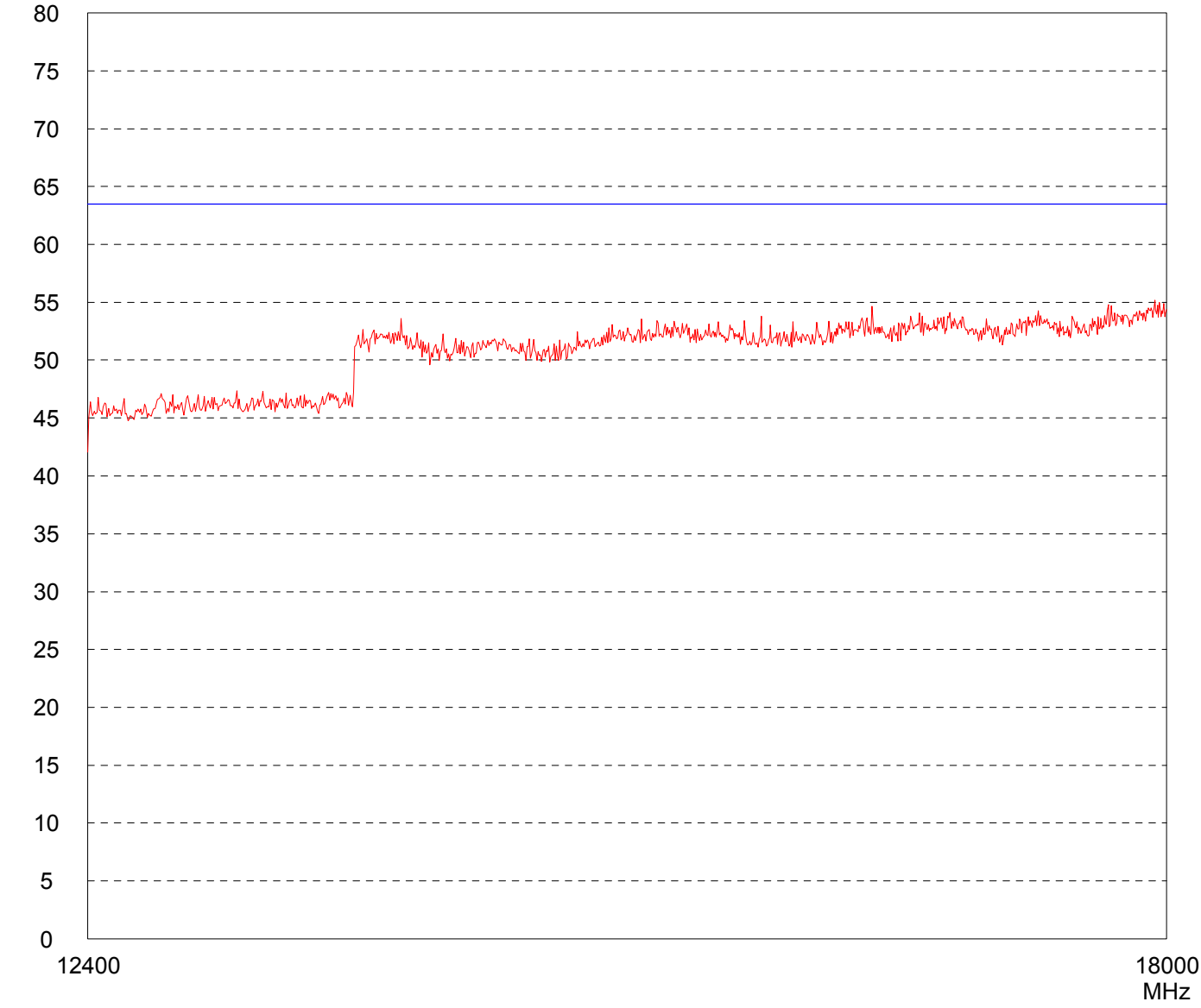
Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/19/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

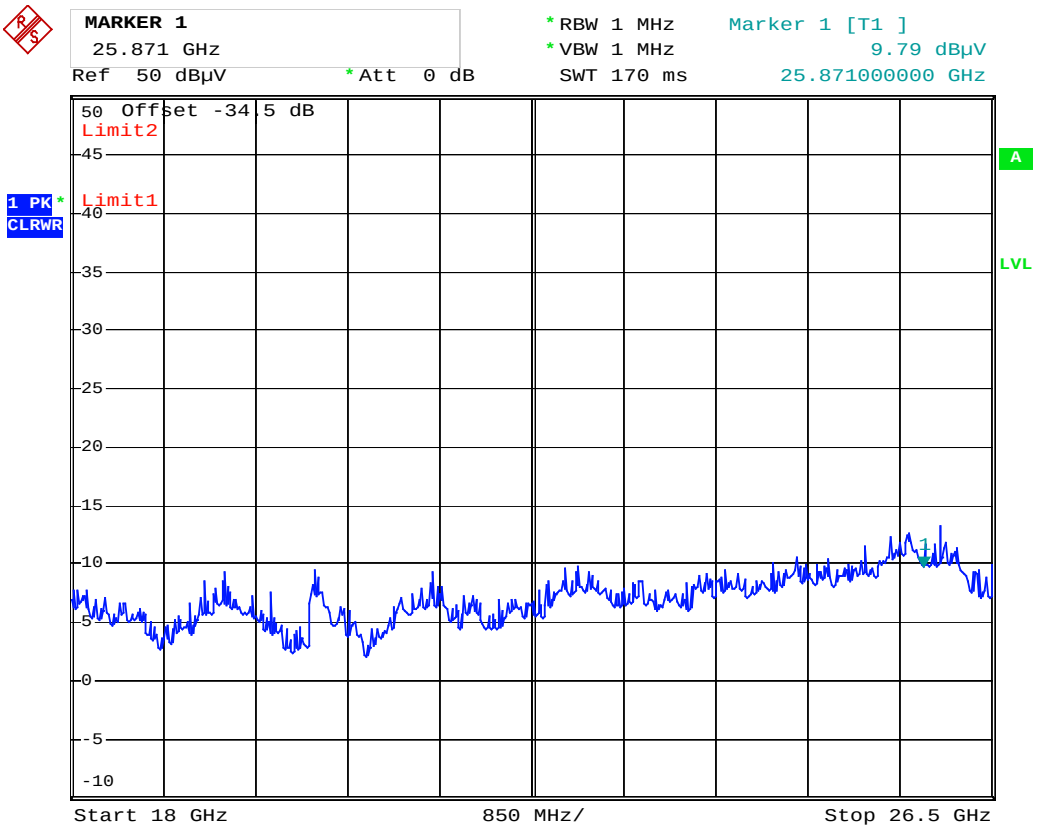
Limit1: FCC Part 15 (1 m) Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 18 GHz - 25 GHz
acc. to FCC Part 15 (EMCO 3160)

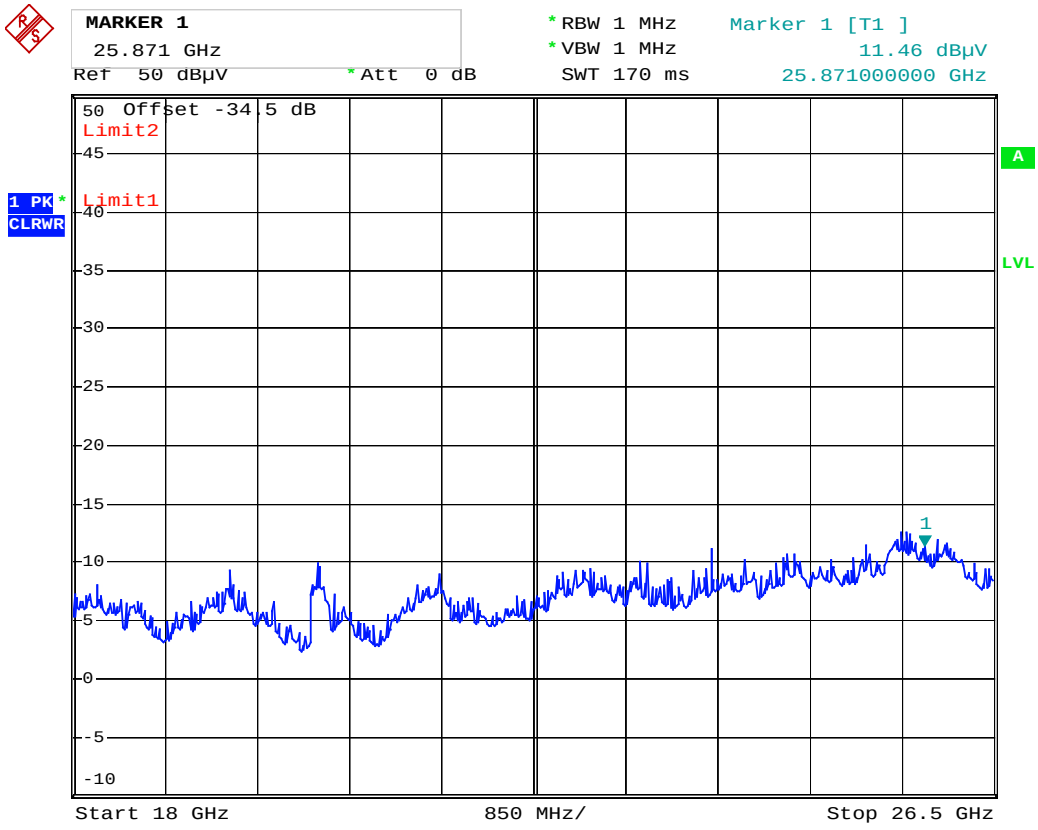
Model: ZB2430-100	Comment: - TX at RF channel 01 - External Antenna
Serial No. Unit A with external antenna	
Applicant: AEROCOMM, Inc.	
Test Site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 metres Horizontal Polarisation	
Date of Test: 10 March 2007 / Operator: J. Roidt	
Detector: Peak	



Result: Pass / Date: 10.MAR.2007 12:00:07	Project file: 56409-70012

Radiated Emission Test 18 GHz - 25 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at RF channel 01 - External Antenna
Serial No. Unit A with external antenna	
Applicant: AEROCOMM, Inc.	
Test Site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 metres Vertical Polarisation	
Date of Test: 10 March 2007 / Operator: J. Roidt	
Detector: Peak	



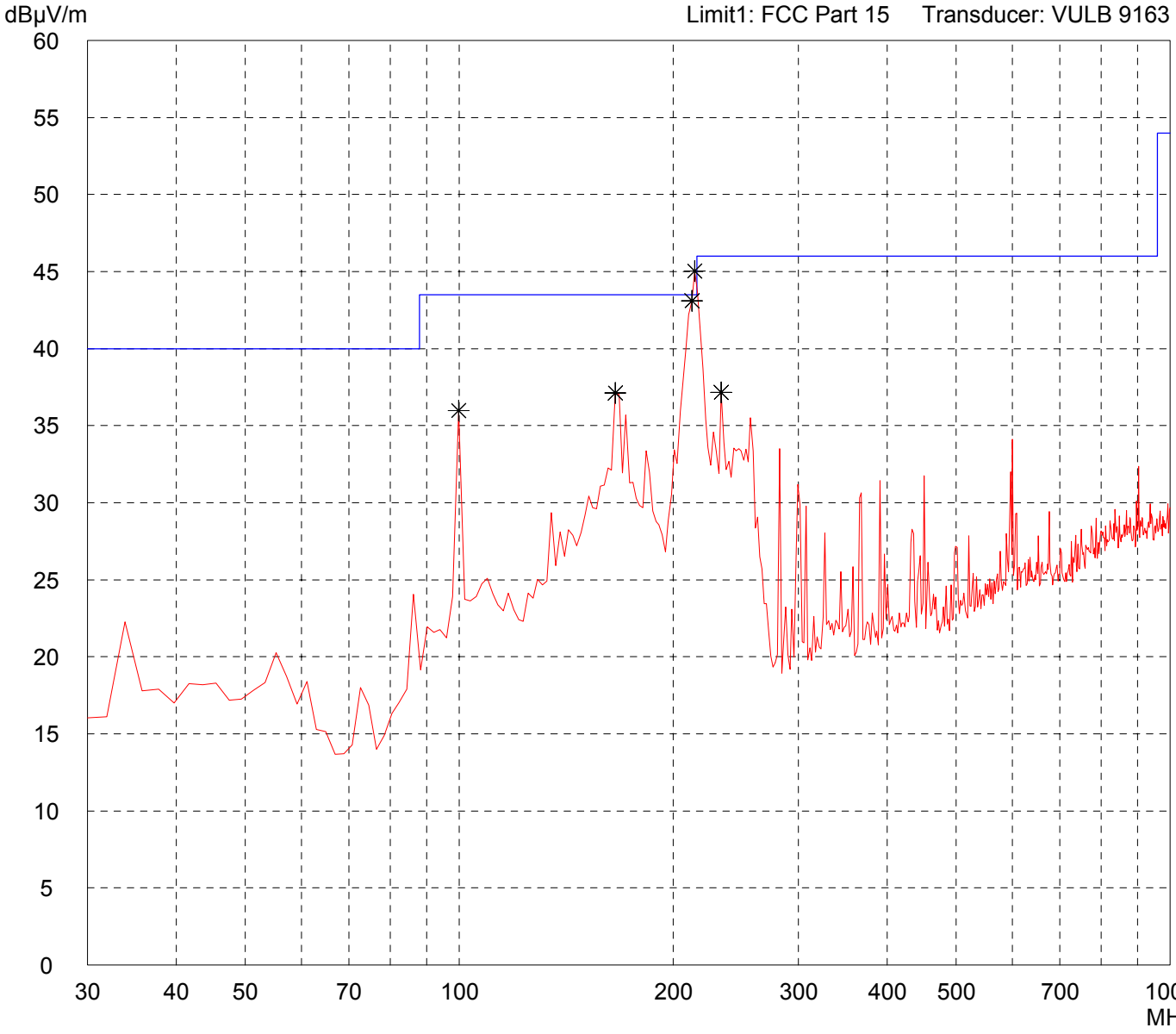
Date: 10.MAR.2007 12:00:23

Result: Pass	Project file: 56409-70012

Radiated Emission Test 30 MHz - 1 GHz
acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: ZB2430-100	Comment: - TX at channel 08 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/22/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

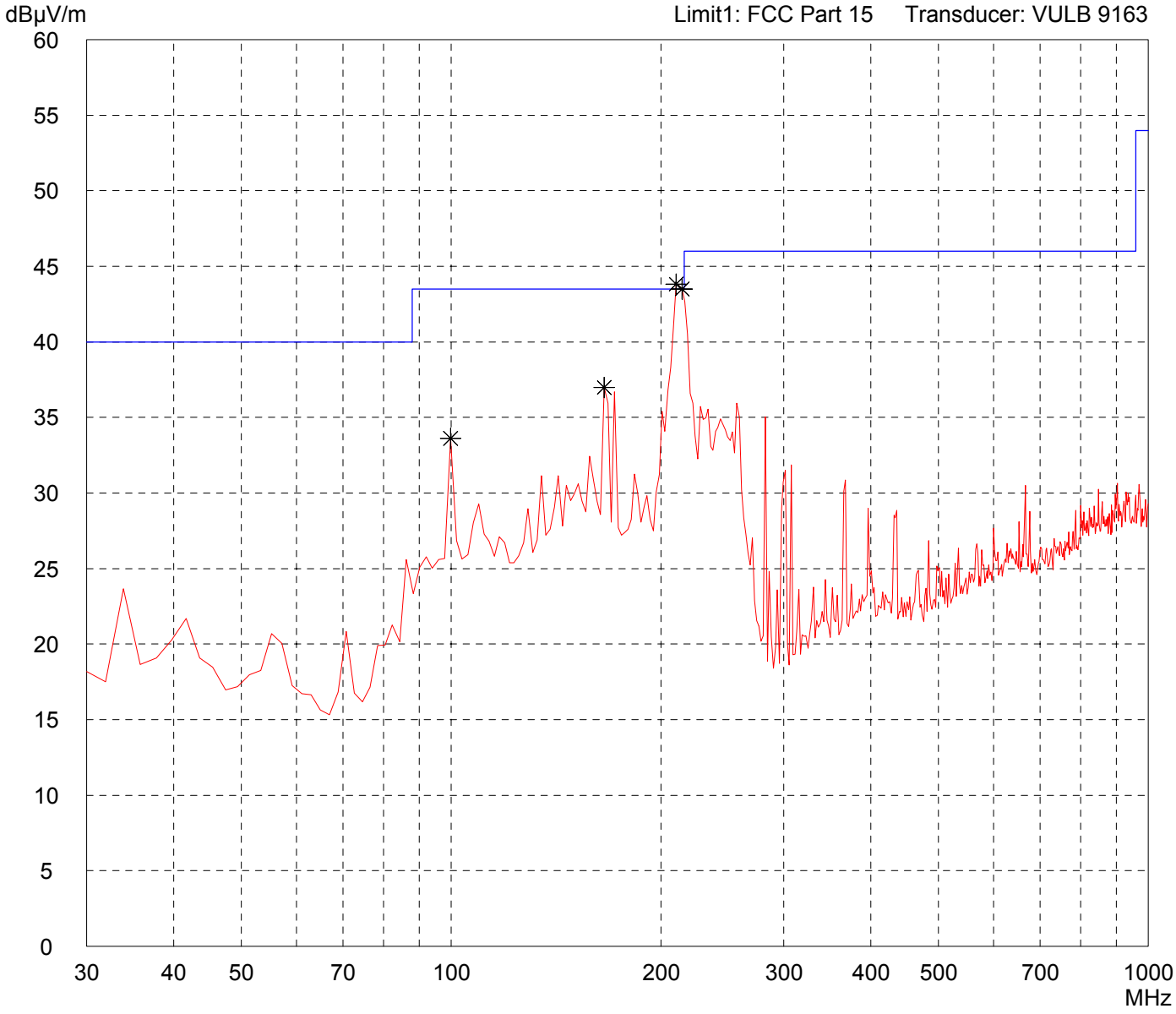


Result: Prescan	Project file: 56409-70012

Radiated Emission Test 30 MHz - 1 GHz
acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: ZB2430-100	Comment: - TX at channel 08 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/22/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

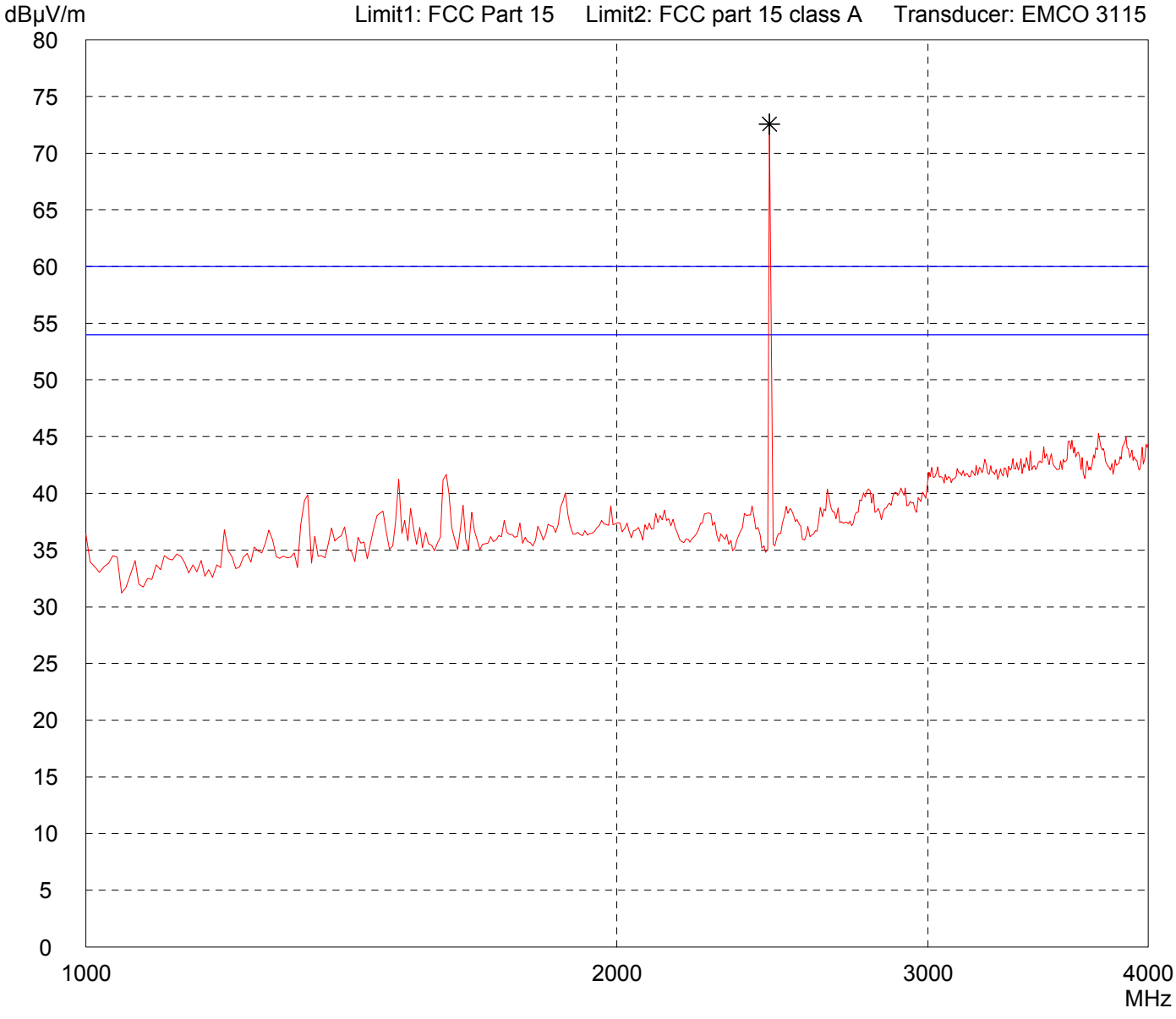
Detector: Peak	List of values: 10 dB Margin / 50 Subranges



Result: Prescan	Project file: 56409-70012

Radiated Emission Test 1 GHz - 4 GHz
acc. to FCC Part 15 (EMCO 3115)

Model: ZB2430-100	Comment: - TX at channel 08 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/22/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand

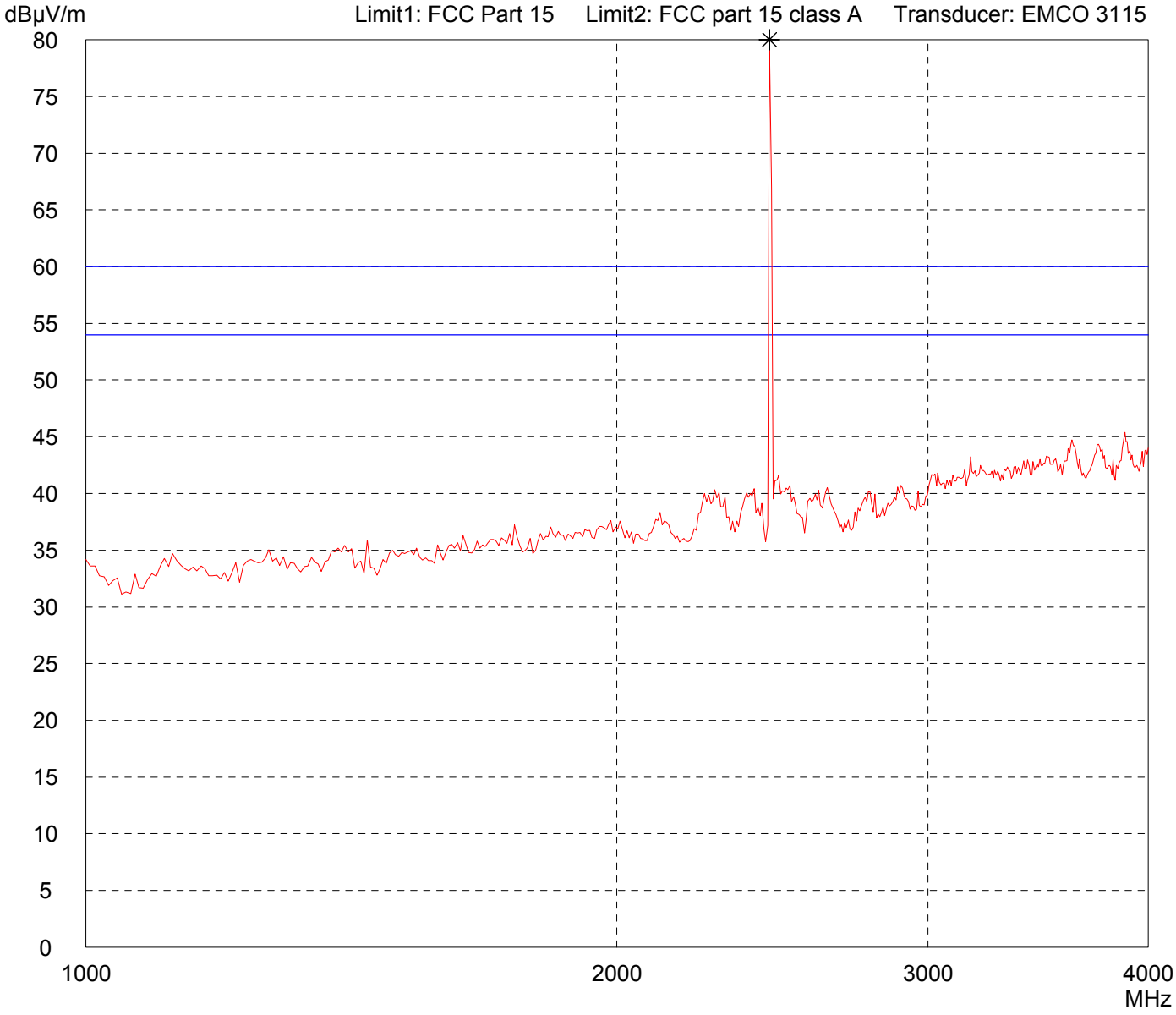


Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 1 GHz - 4 GHz
acc. to FCC Part 15 (EMCO 3115)

Model: ZB2430-100	Comment: - TX at channel 08 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/22/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

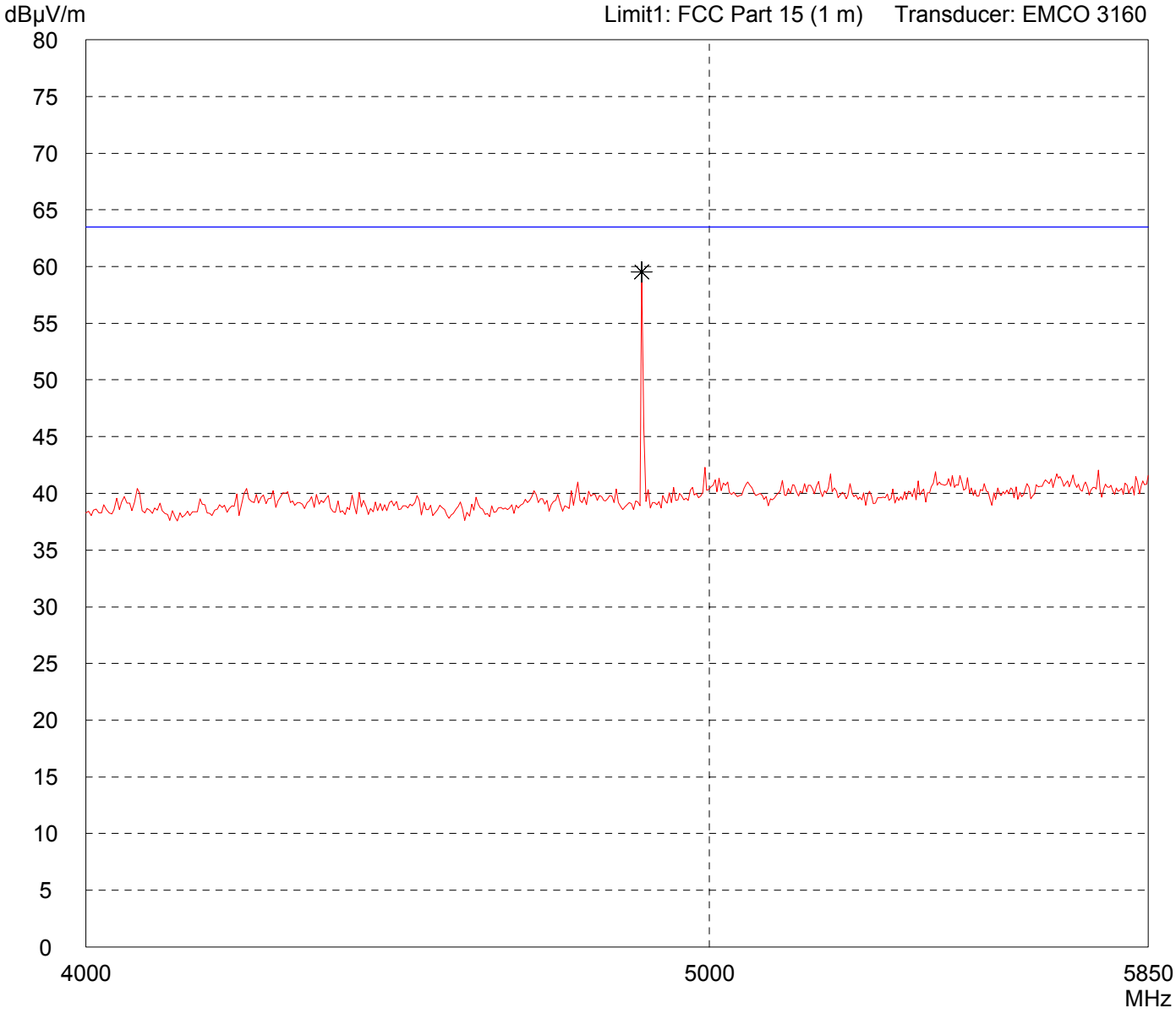


Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 4 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 08 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



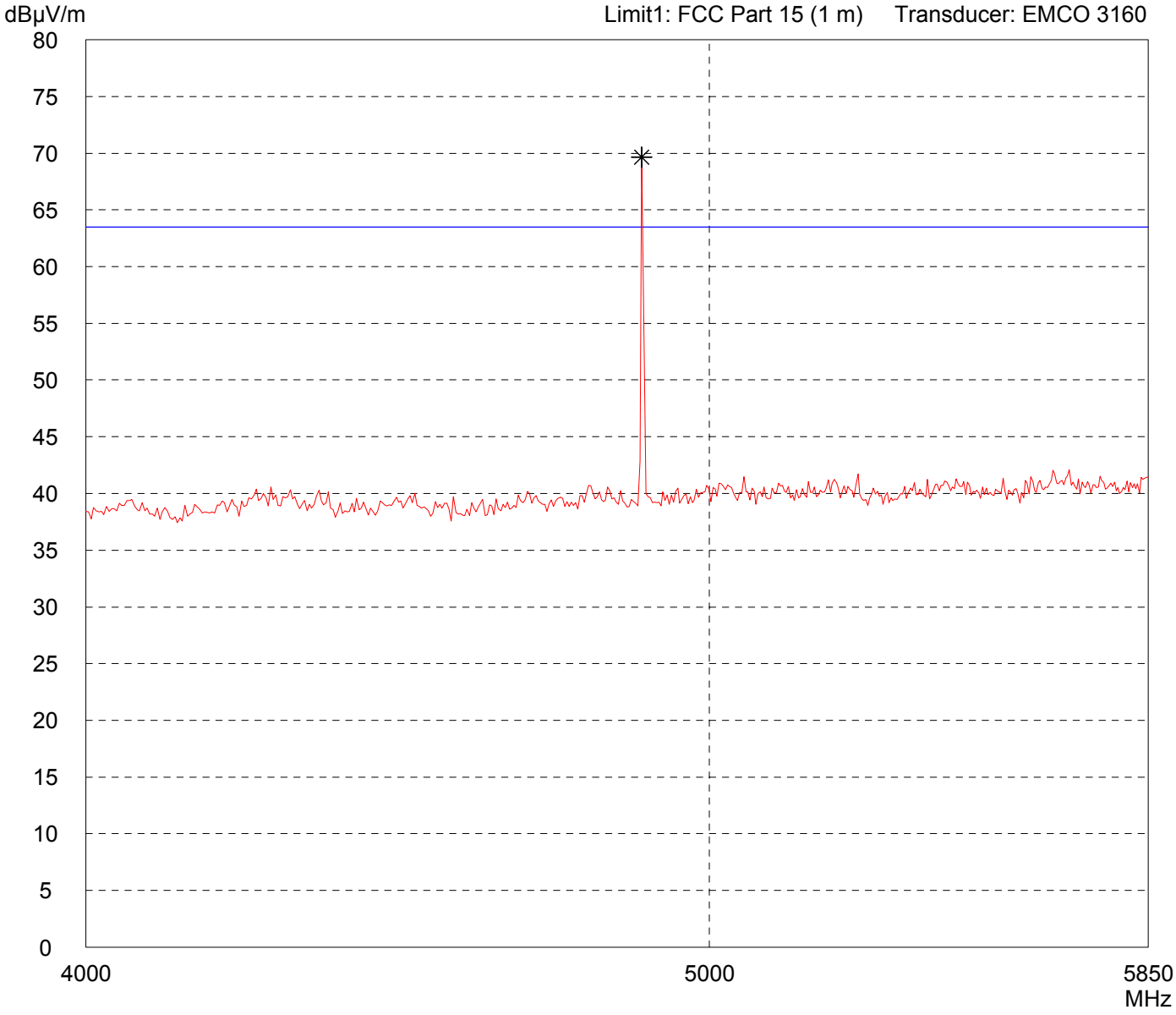
Result: Limit kept	Project file: 56409-70012

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

Radiated Emission Test 4 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 08 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

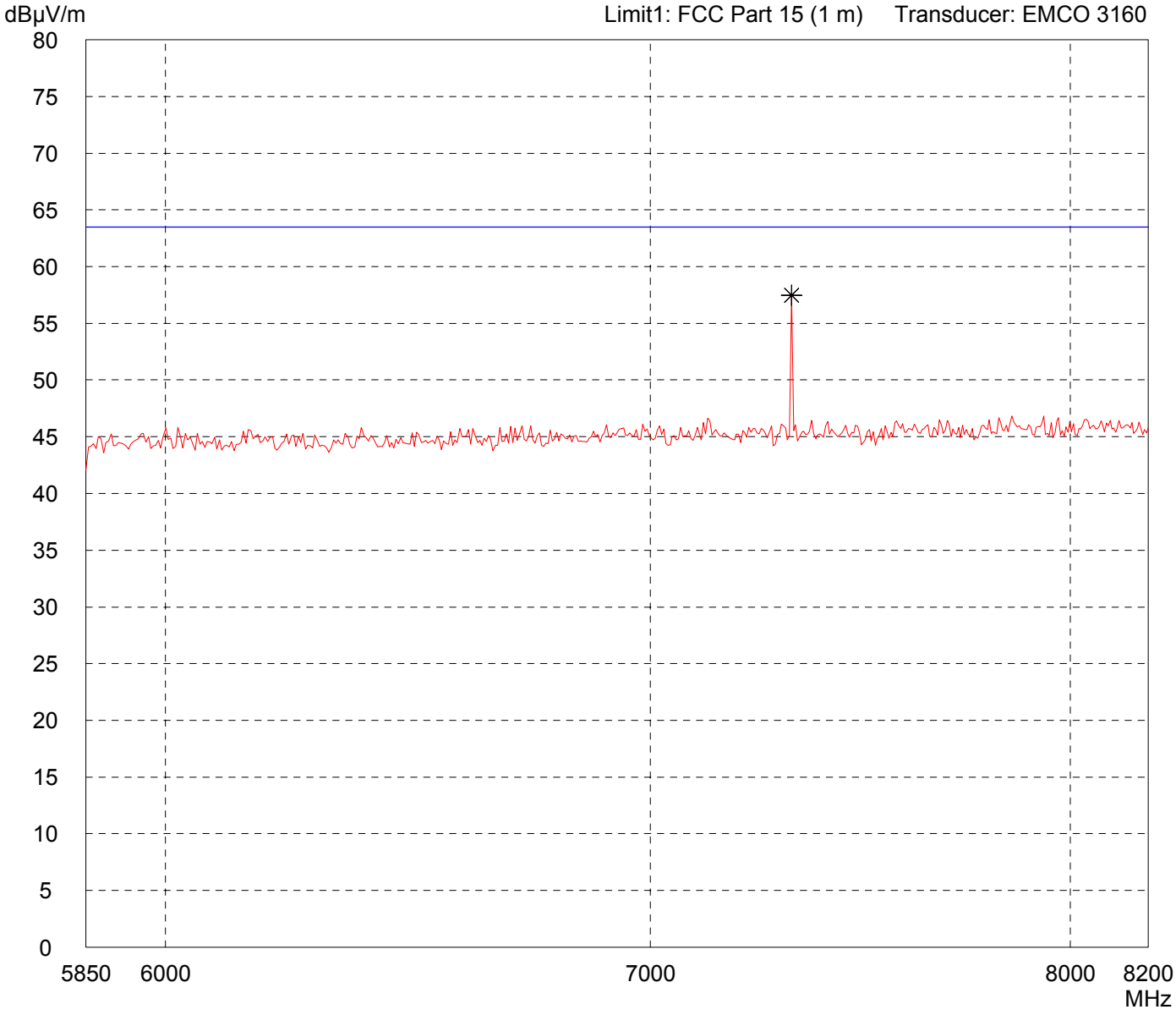


Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 08 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/18/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

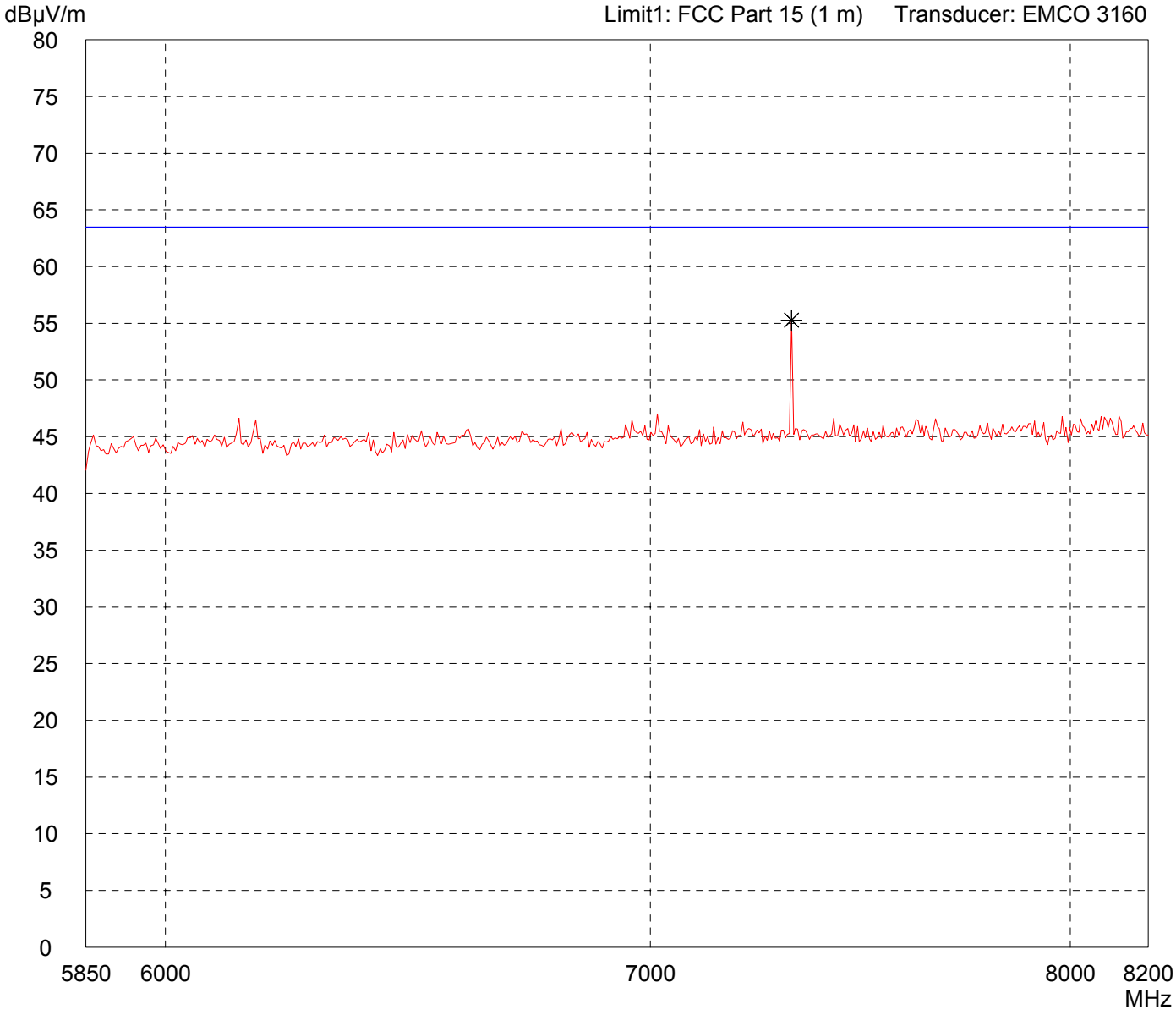


Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 08 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/18/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

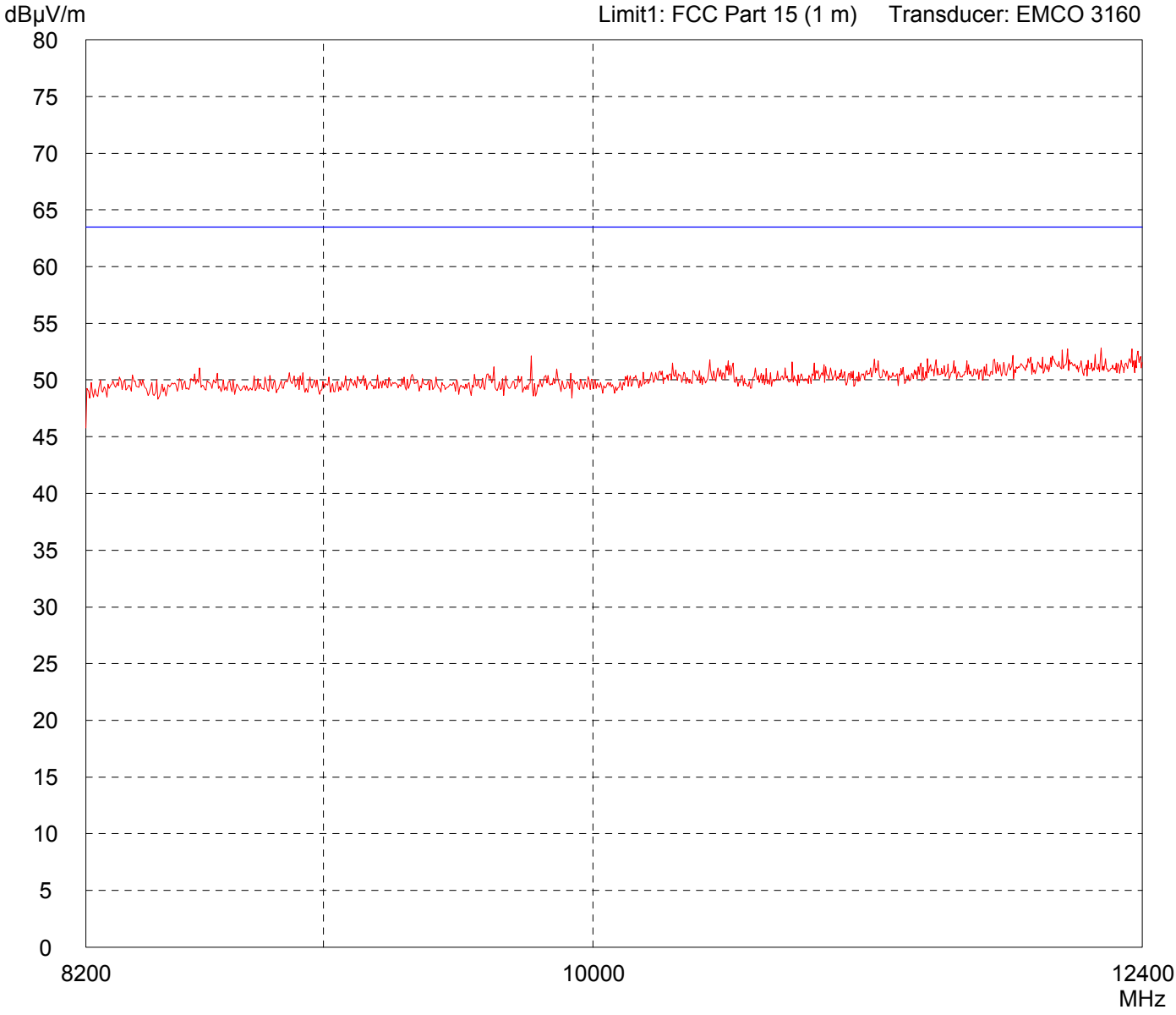


Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 08 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/18/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



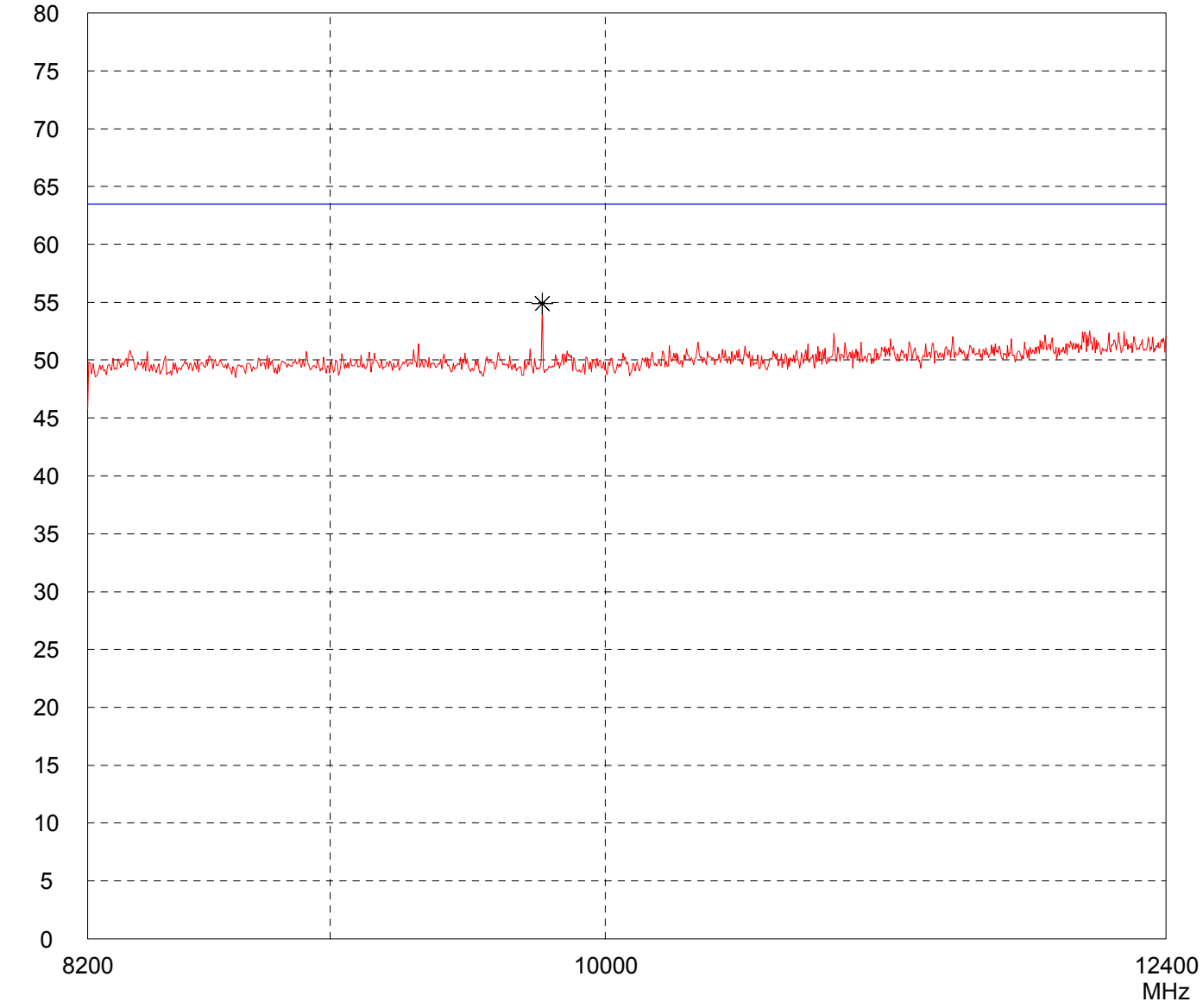
Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 08 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/18/2007 — Operator: J. Roidt	
Test performed: automatically — File name: default.emi	

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

dBµV/m — Limit1: FCC Part 15 (1 m) — Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

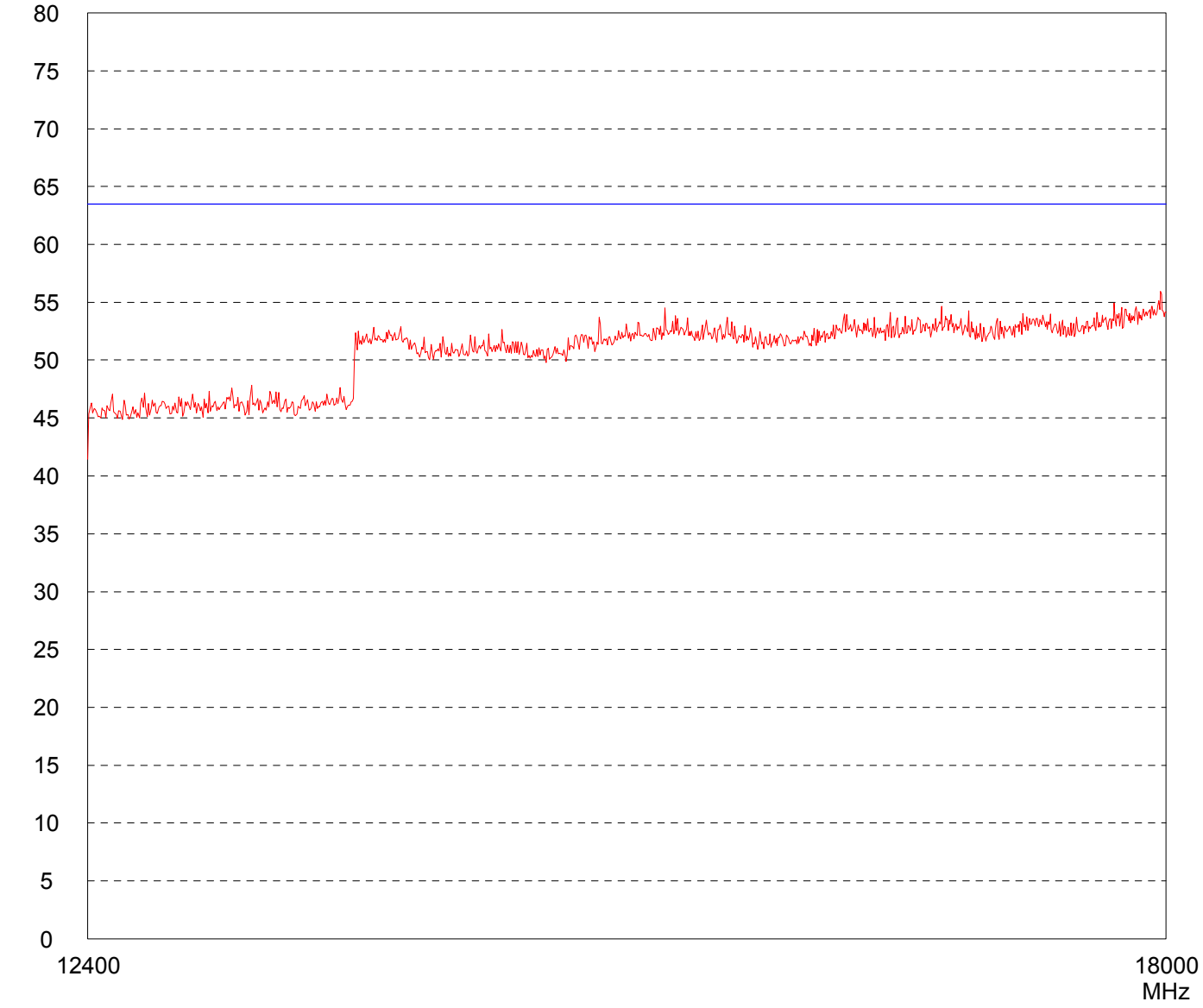
Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 08 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/19/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

Limit1: FCC Part 15 (1 m) Transducer: EMCO 3160



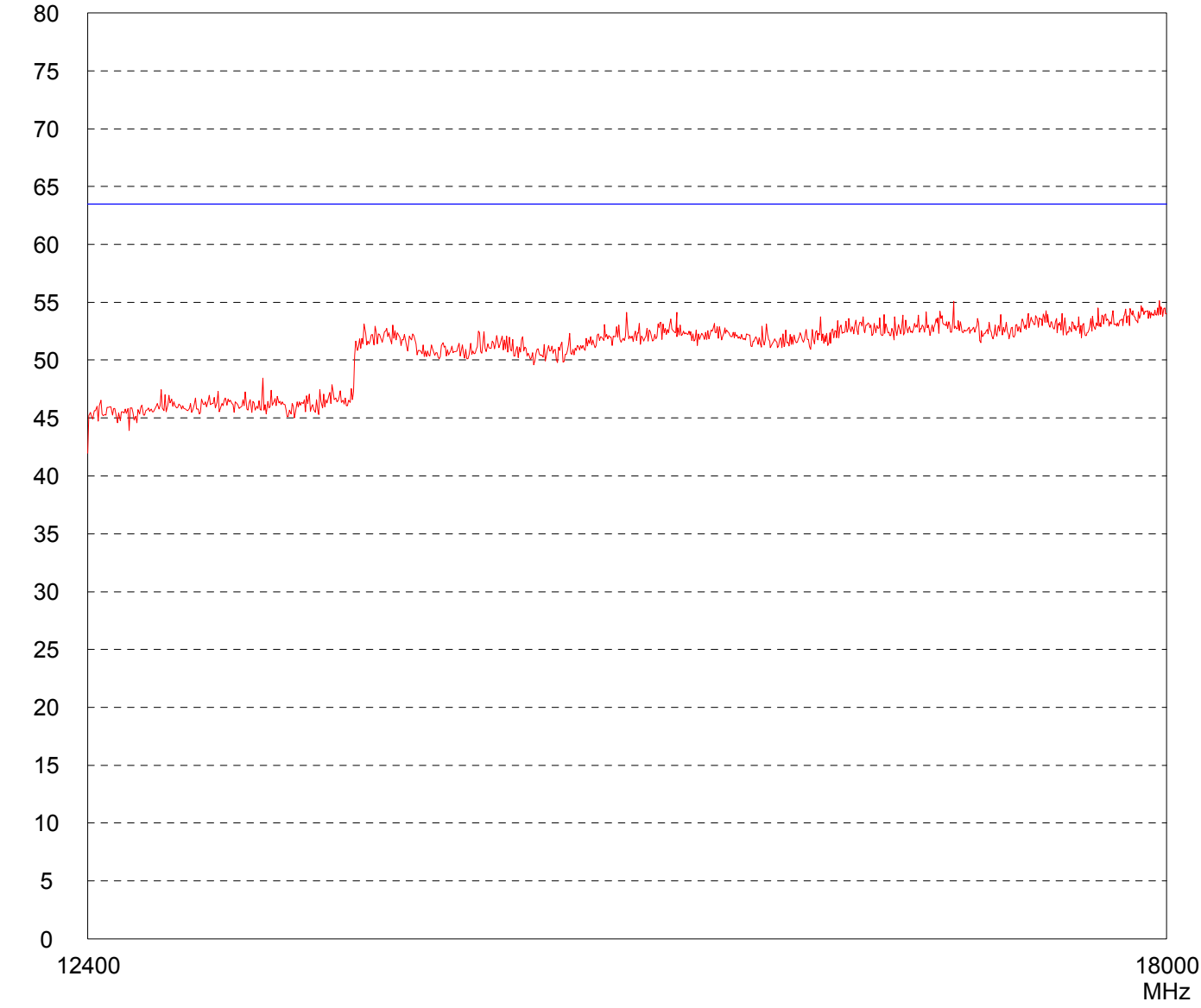
Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 08 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/19/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

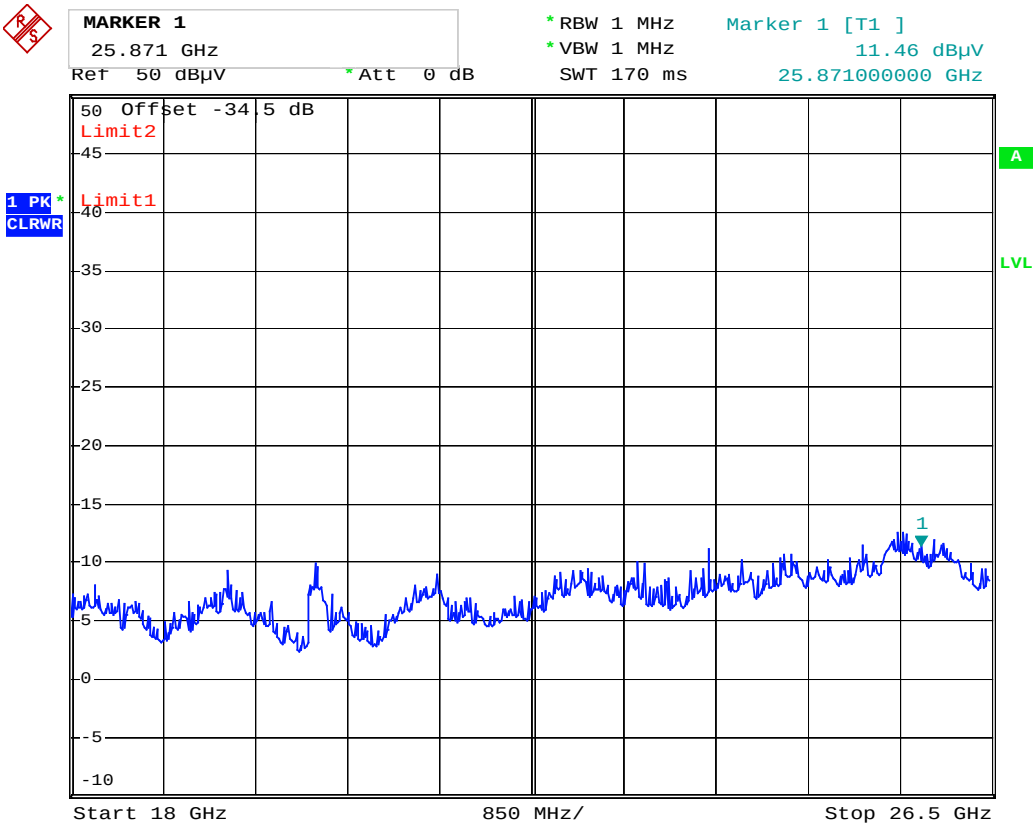
dBµV/m — Limit1: FCC Part 15 (1 m) — Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 18 GHz - 26.5 GHz
acc. to FCC Part 15 (EMCO 3160)

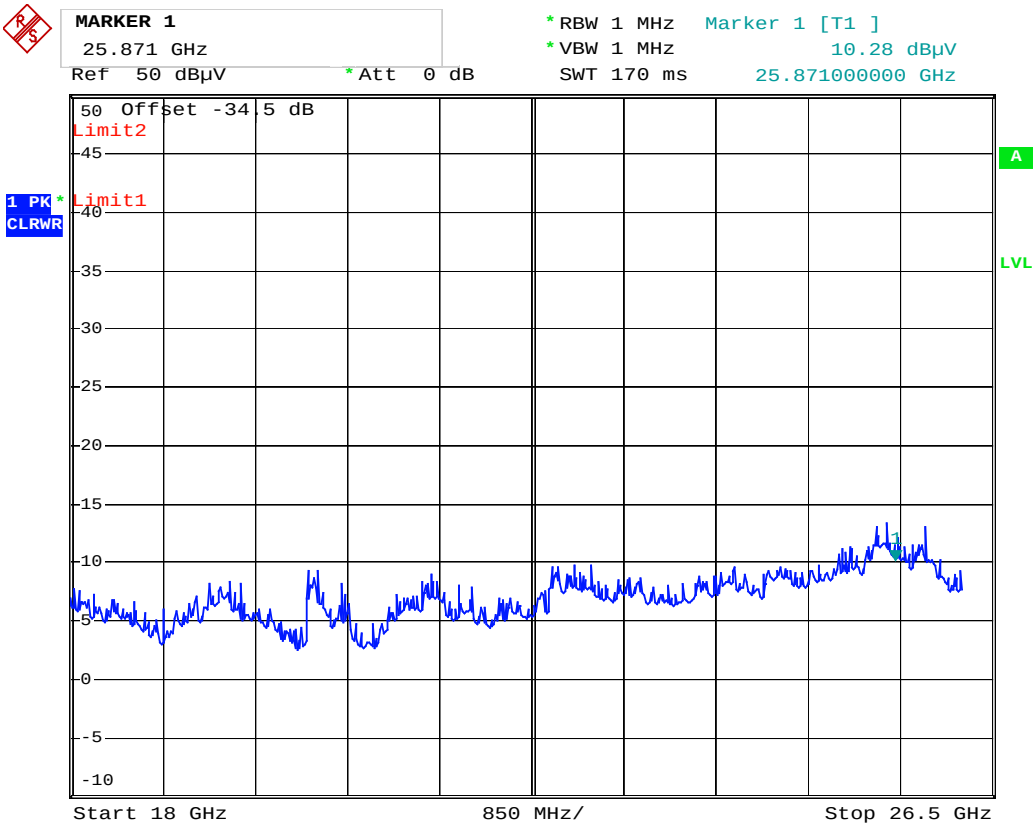
Model: ZB2430-100	Comment: - TX at RF channel 08 - External Antenna
Serial No. Unit A with external antenna	
Applicant: AEROCOMM, Inc.	
Test Site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 metres Horizontal Polarisation	
Date of Test: 10 March 2007 / Operator: J. Roidt	
Detector: Peak	



Result: Pass — Date: 10.MAR.2007 12:00:23	Project file: 56409-70012

Radiated Emission Test 18 GHz – 26.5 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at RF channel 08 - External Antenna
Serial No. Unit A with external antenna	
Applicant: AEROCOMM, Inc.	
Test Site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 metres Vertical Polarisation	
Date of Test: 10 March 2007 / Operator: J. Roidt	
Detector: Peak	

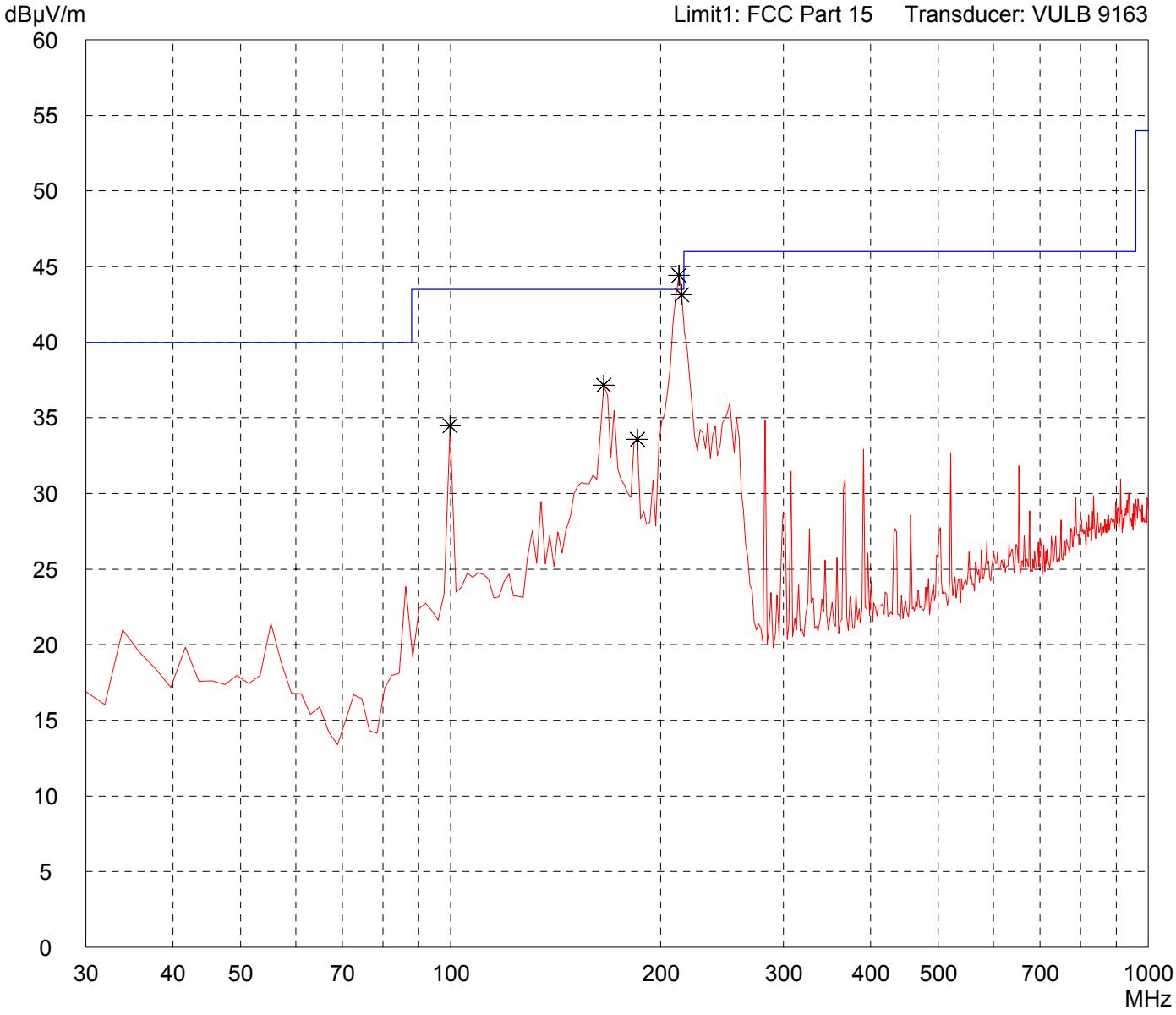


Result: Pass Date: 10.MAR.2007 12:00:47	Project file: 56409-70012

Radiated Emission Test 30 MHz - 1 GHz
acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: ZB2430-100	Comment: - TX at channel 15 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/22/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

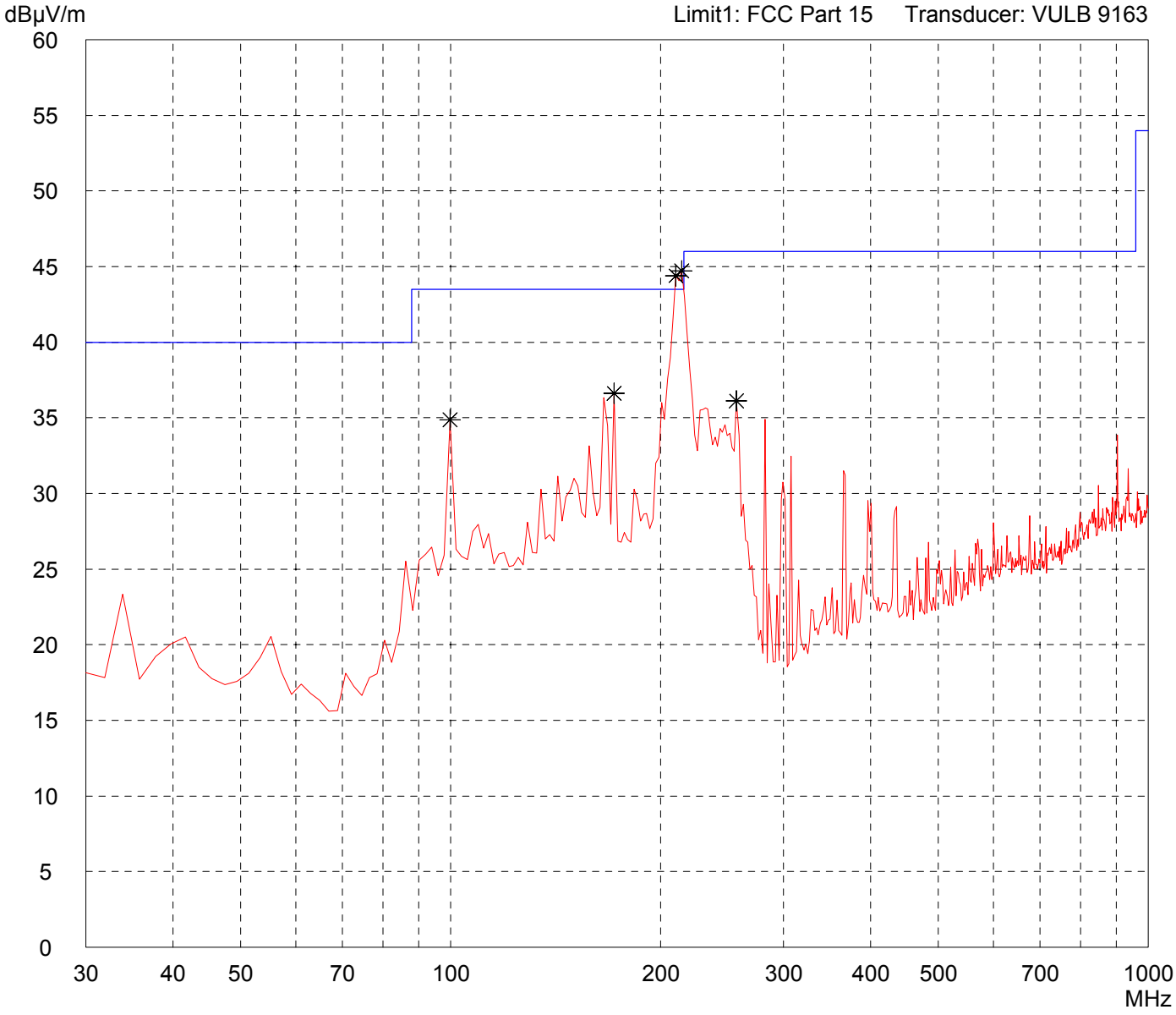


Result: Prescan	Project file: 56409-70012

Radiated Emission Test 30 MHz - 1 GHz
acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: ZB2430-100	Comment: - TX at channel 15 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/22/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

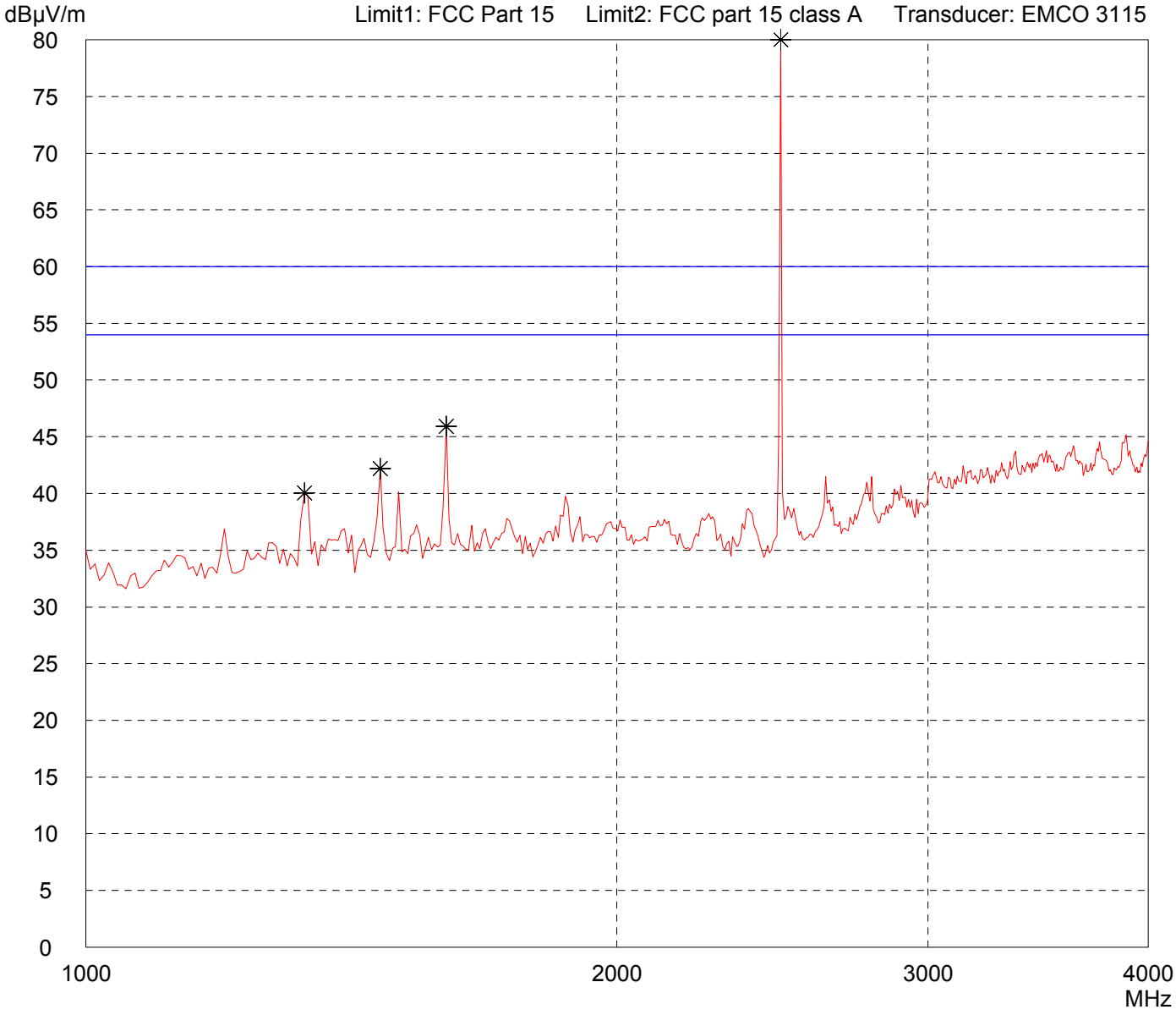
Detector: Peak	List of values: 10 dB Margin / 50 Subranges



Result: Prescan	Project file: 56409-70012

Radiated Emission Test 1 GHz - 4 GHz
acc. to FCC Part 15 (EMCO 3115)

Model: ZB2430-100	Comment: - TX at channel 15 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/22/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand

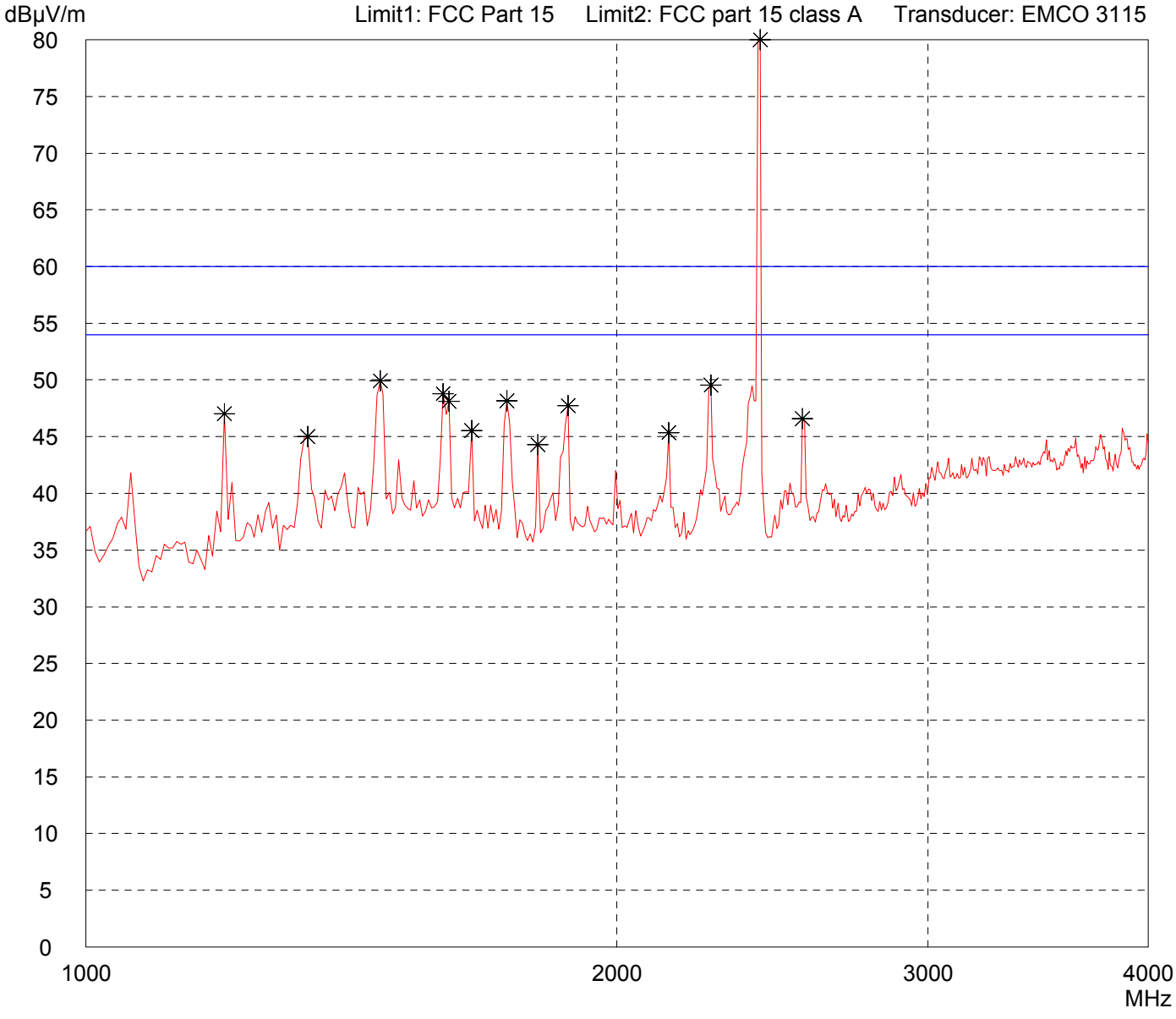


Result: Limit kept	Project file: 56409-70012

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 (EMCO 3115)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/22/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand



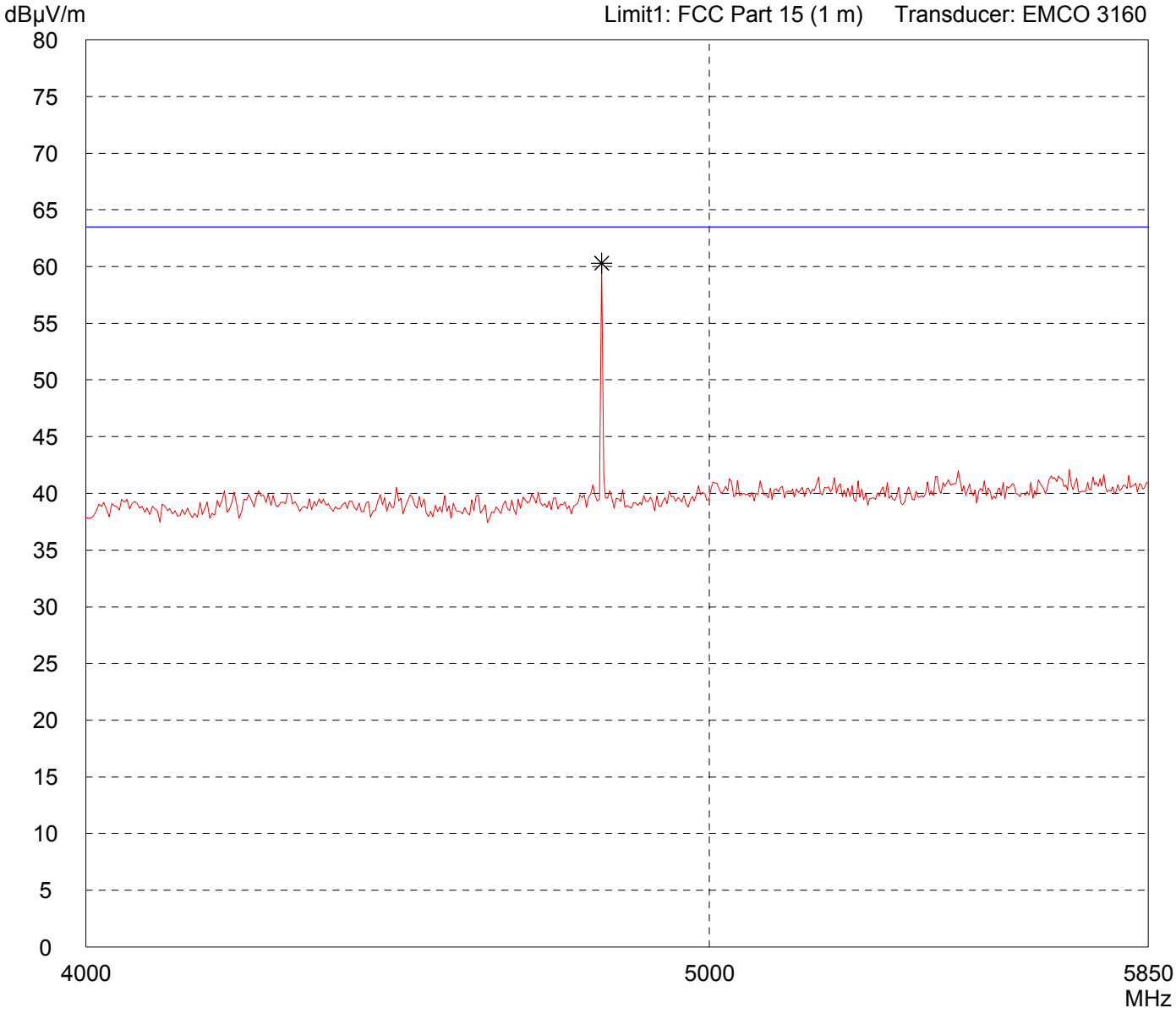
Result: Limit kept	Project file: 56409-70012

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

Radiated Emission Test 4 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



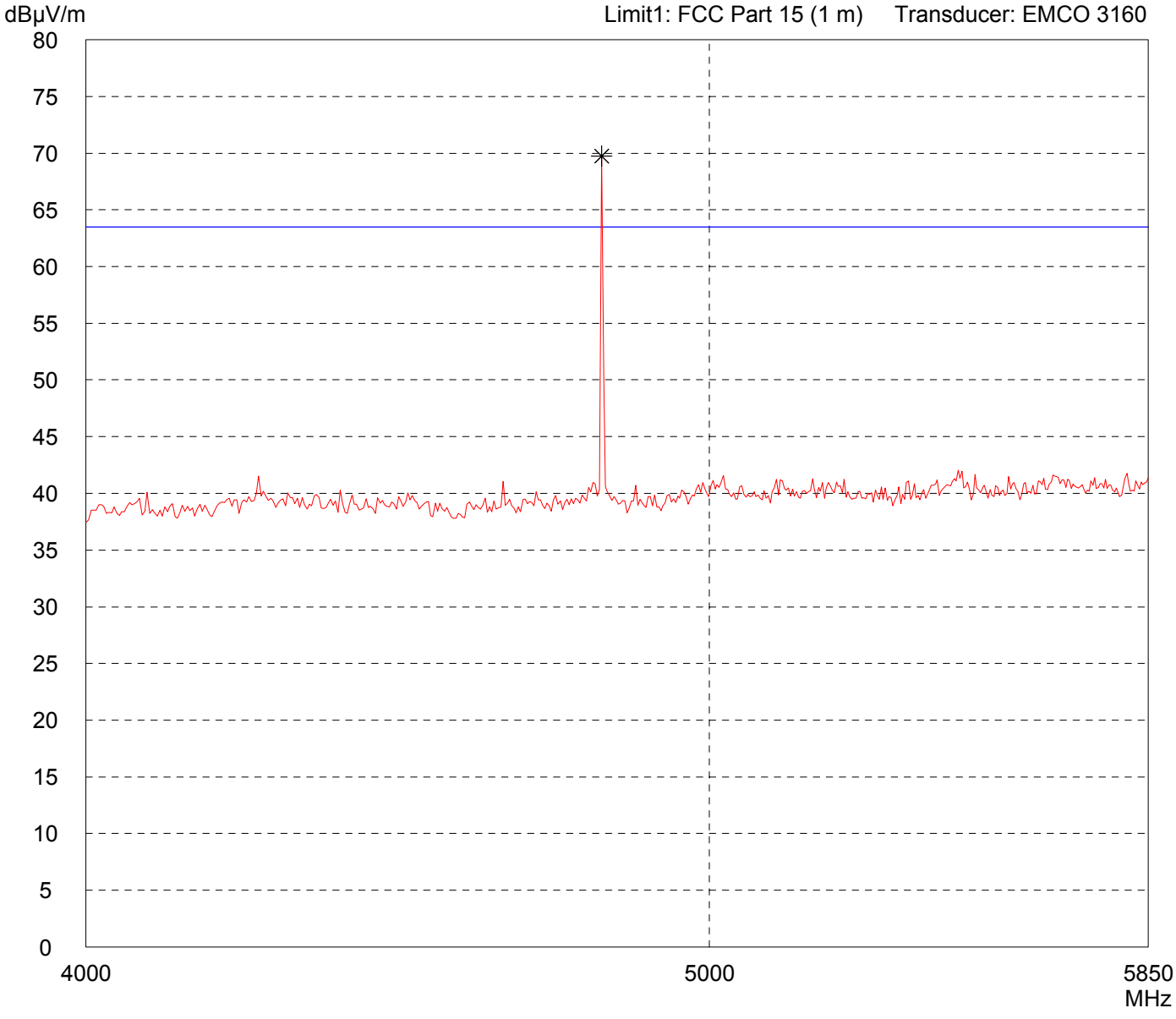
Result: Limit kept	Project file: 56409-70012

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

Radiated Emission Test 4 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

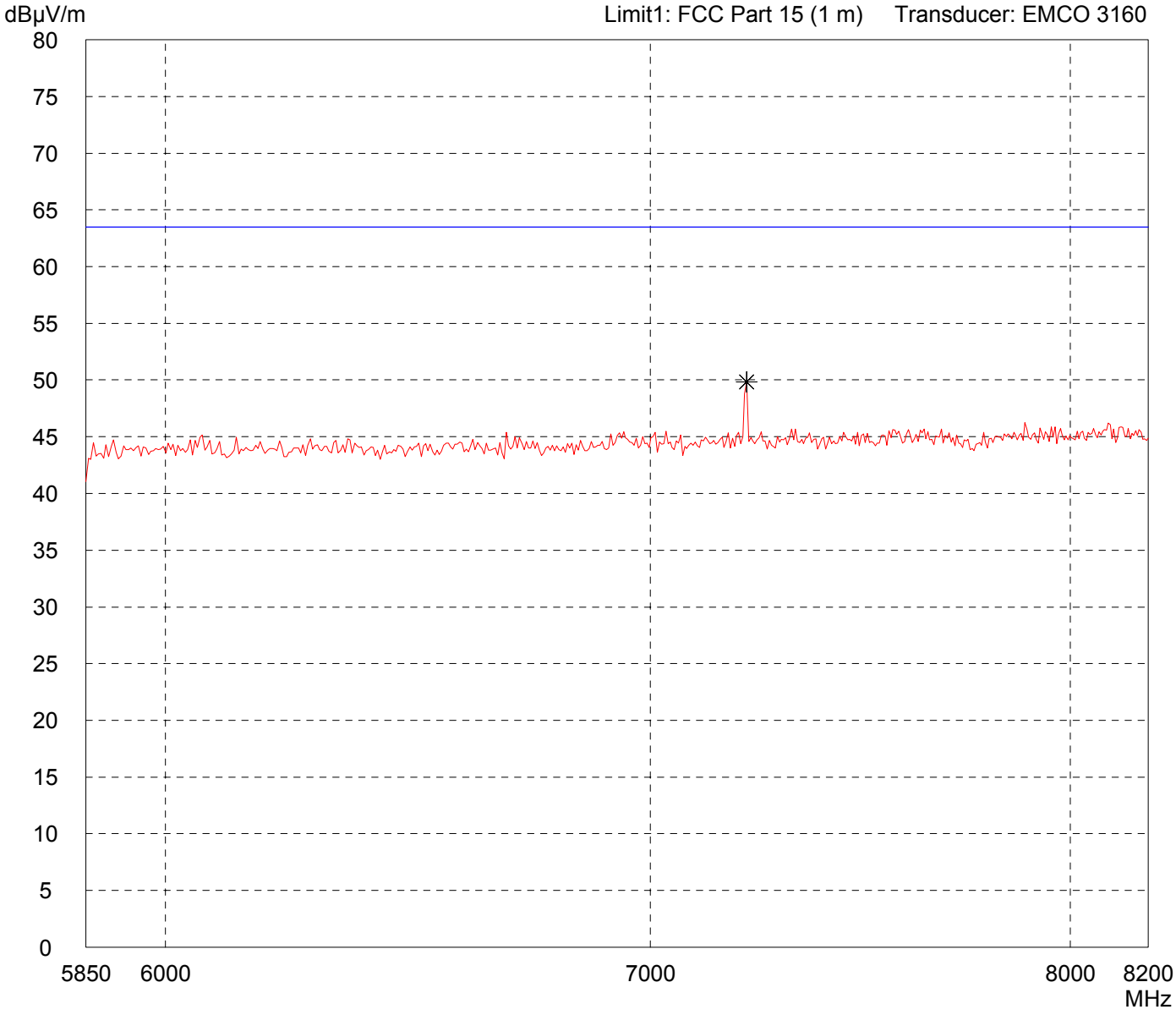
Detector: Peak	List of values: 10 dB Margin / 50 Subranges



Result: Limit not kept	Project file: 56409-70012

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand

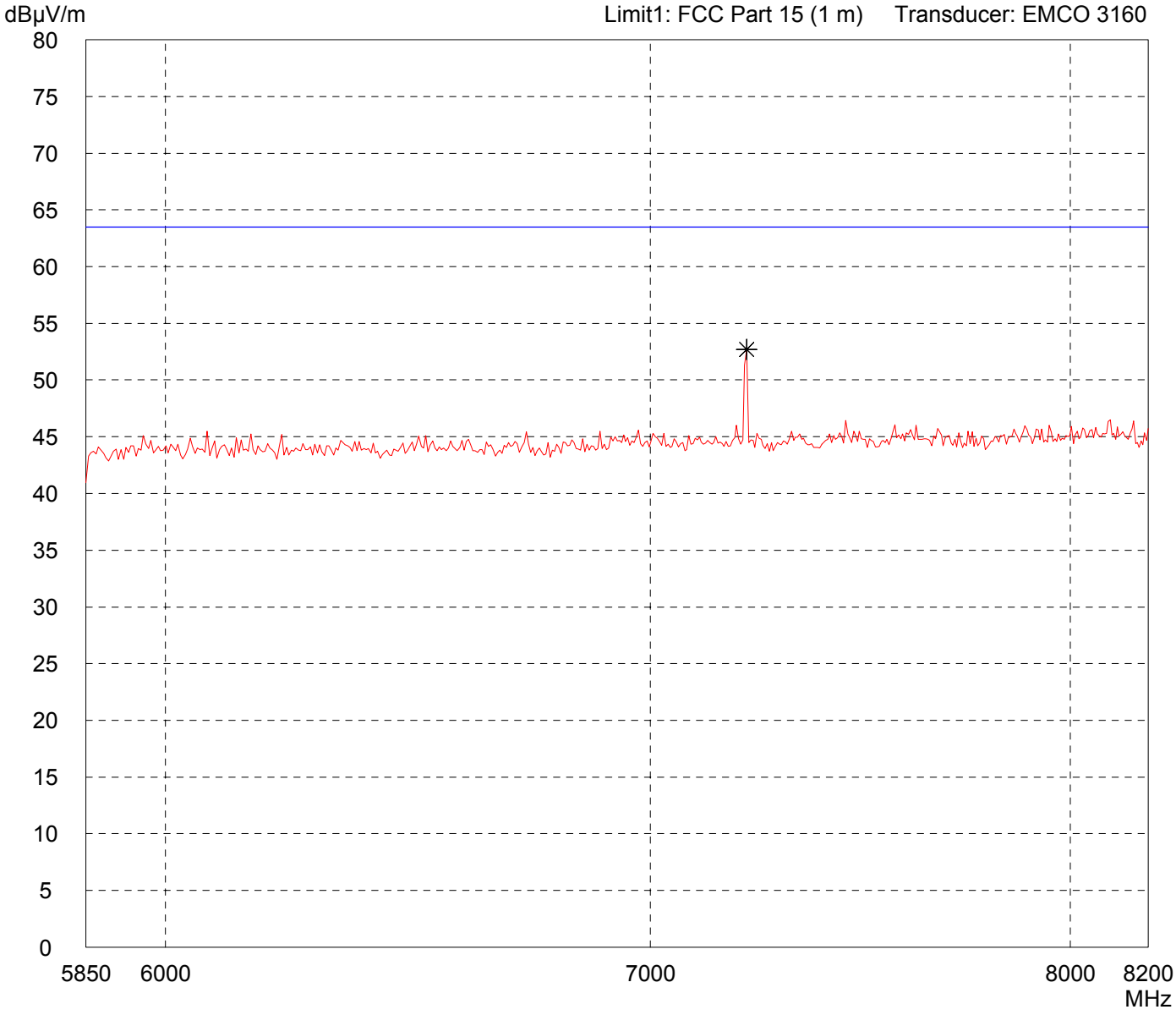


Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand



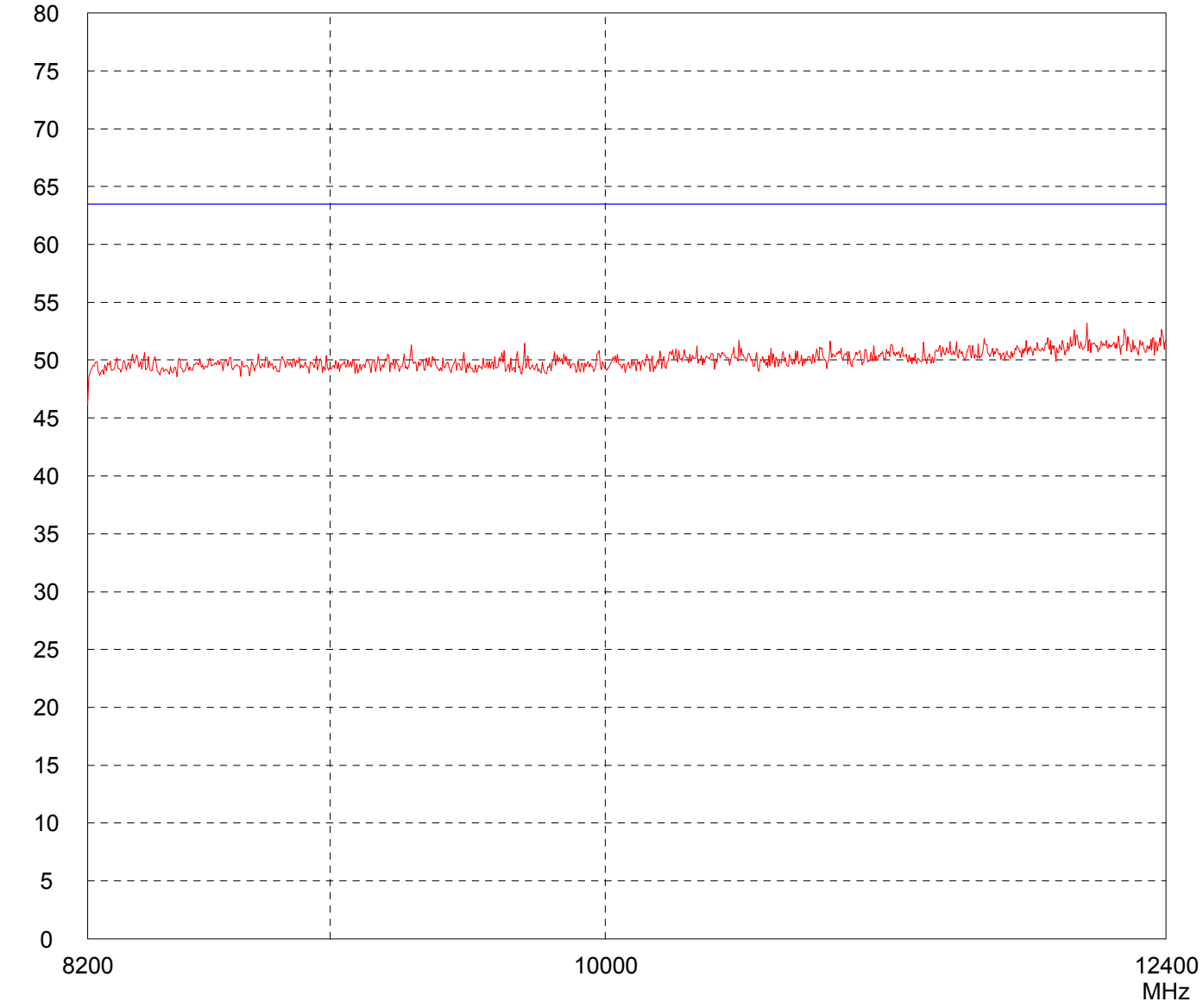
Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/18/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

dBµV/m — Limit1: FCC Part 15 (1 m) — Transducer: EMCO 3160



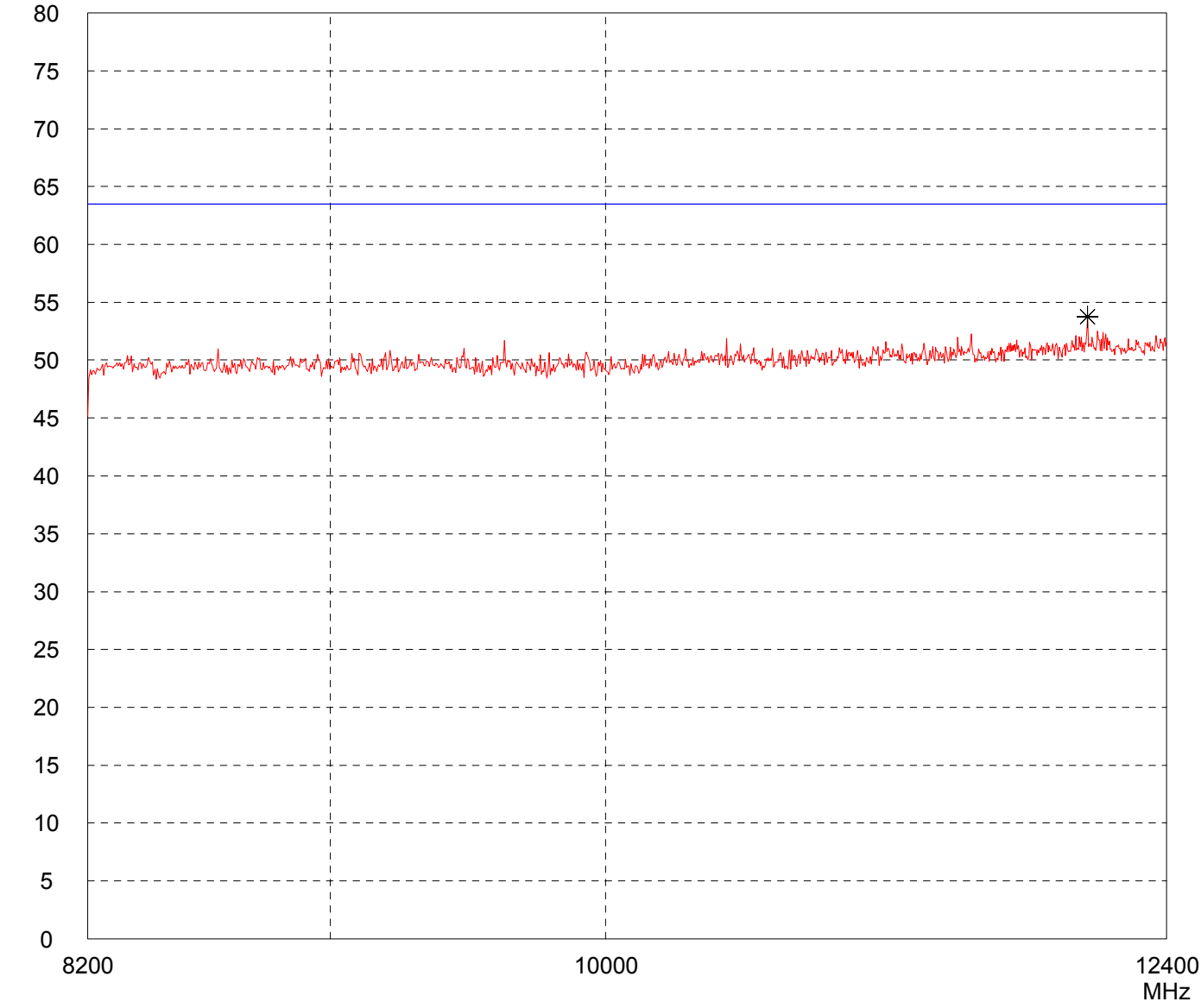
Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/19/2007 / Operator: J.Roidt	
Test performed: automatically / File name: default.emi	

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

dBµV/m — Limit1: FCC Part 15 (1 m) — Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

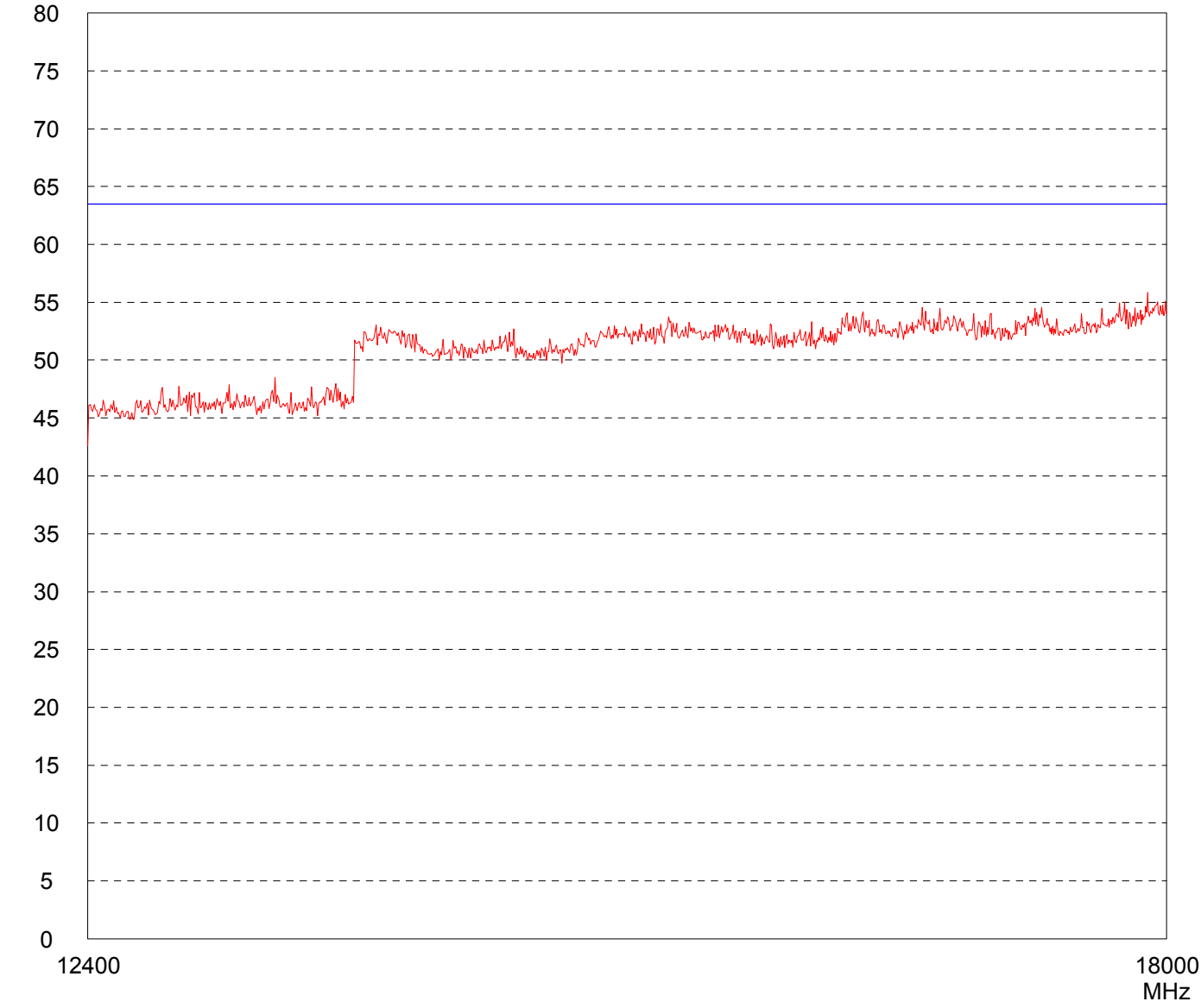
Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/19/2007 / Operator: J.Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

Limit1: FCC Part 15 (1 m) Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

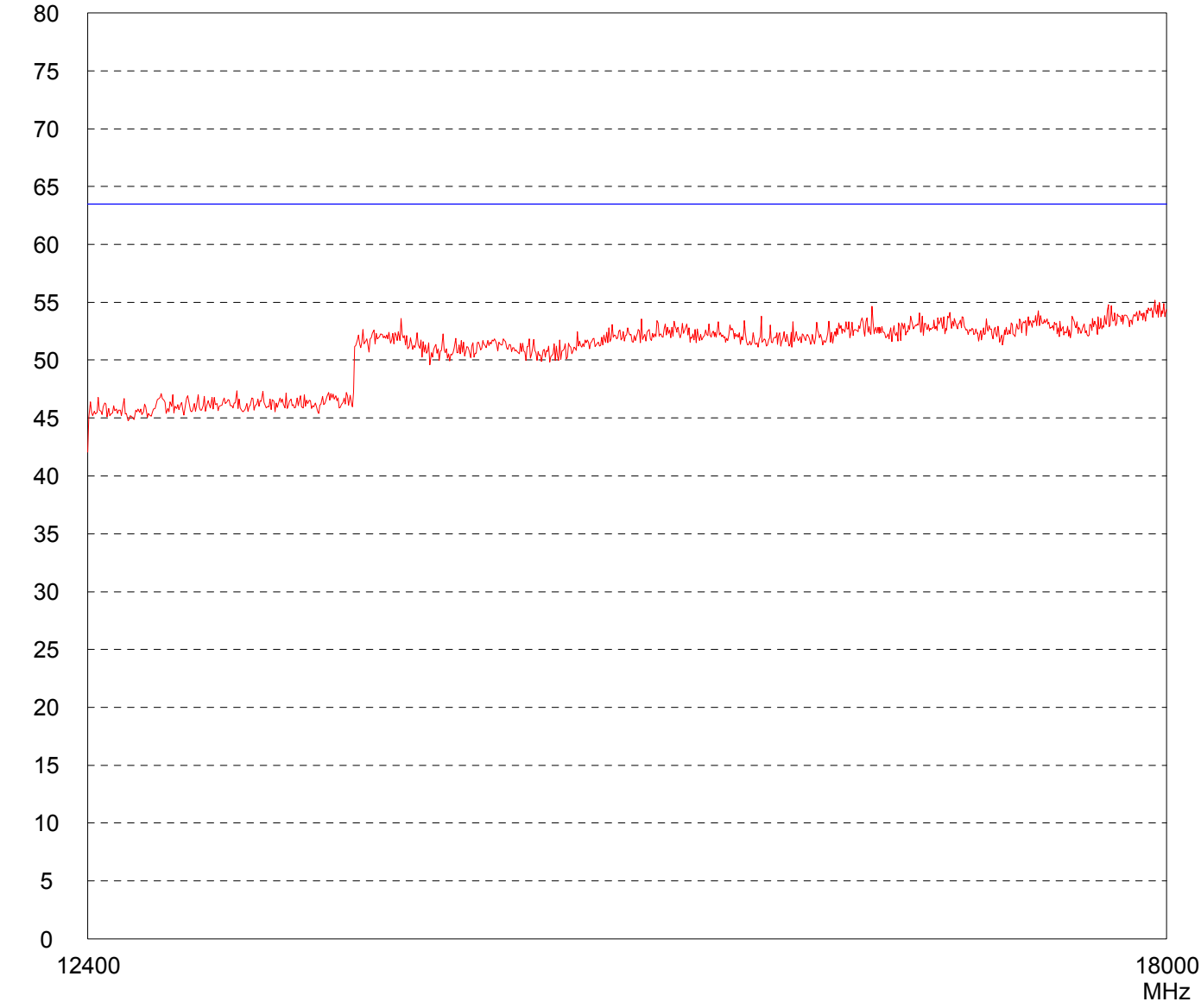
Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/19/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

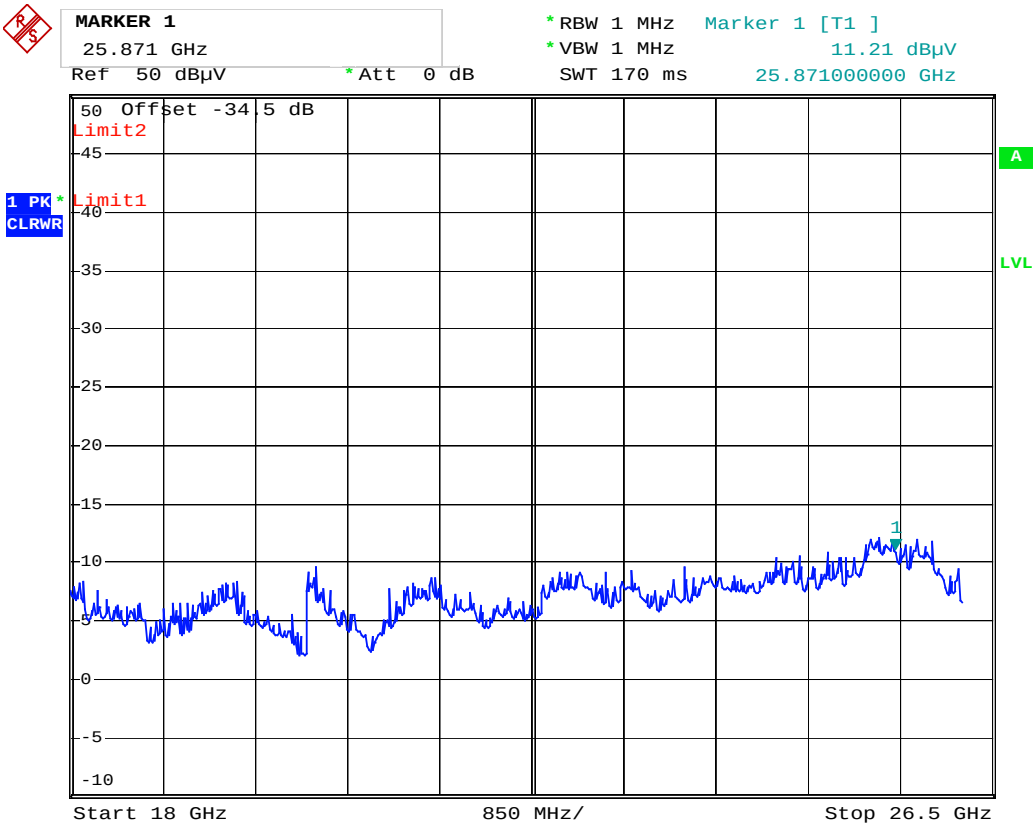
Limit1: FCC Part 15 (1 m) Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 18 GHz – 26.5 GHz
acc. to FCC Part 15 (EMCO 3160)

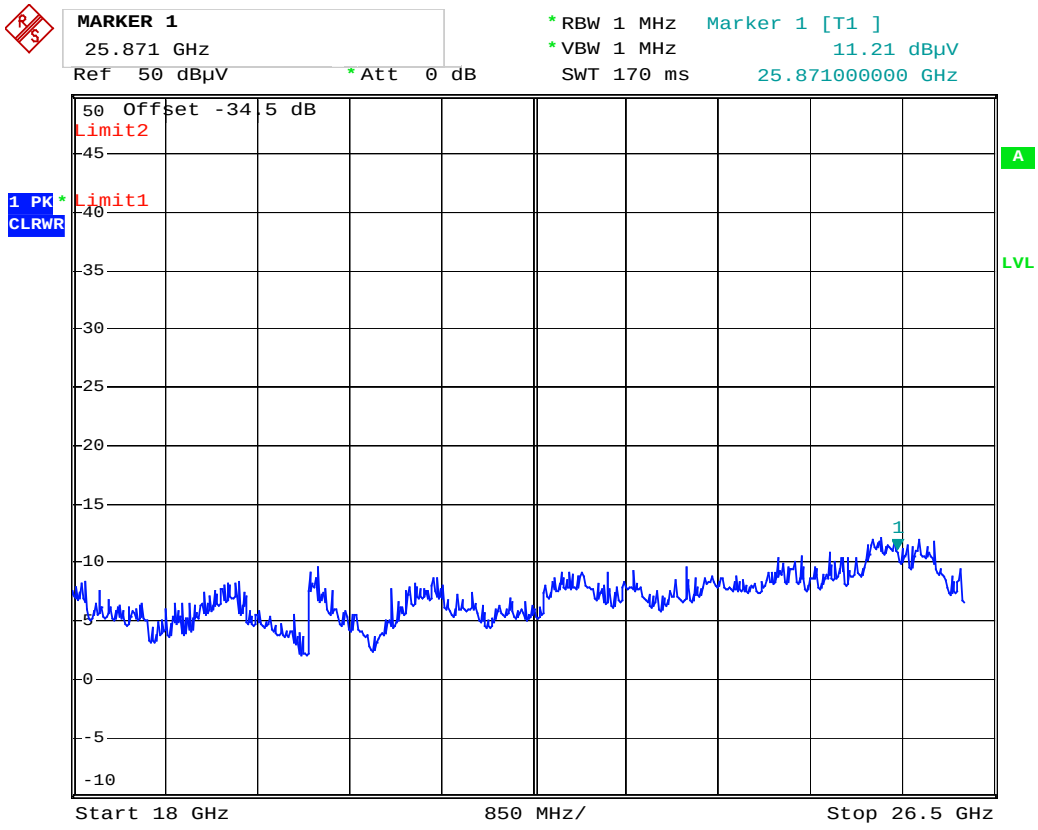
Model: ZB2430-100	Comment: - TX at RF channel 15 - External Antenna
Serial No. Unit A with external antenna	
Applicant: AEROCOMM, Inc.	
Test Site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 metres Horizontal Polarisation	
Date of Test: 10 March 2007 / Operator: J. Roidt	
Detector: Peak	



Result: Pass / Date: 10.MAR.2007 12:01:54	Project file: 56409-70012

Radiated Emission Test 18 GHz – 26.5 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at RF channel 15 - External Antenna
Serial No. Unit A with external antenna	
Applicant: AEROCOMM, Inc.	
Test Site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 metres Vertical Polarisation	
Date of Test: 10 March 2007 / Operator: J. Roidt	
Detector: Peak	



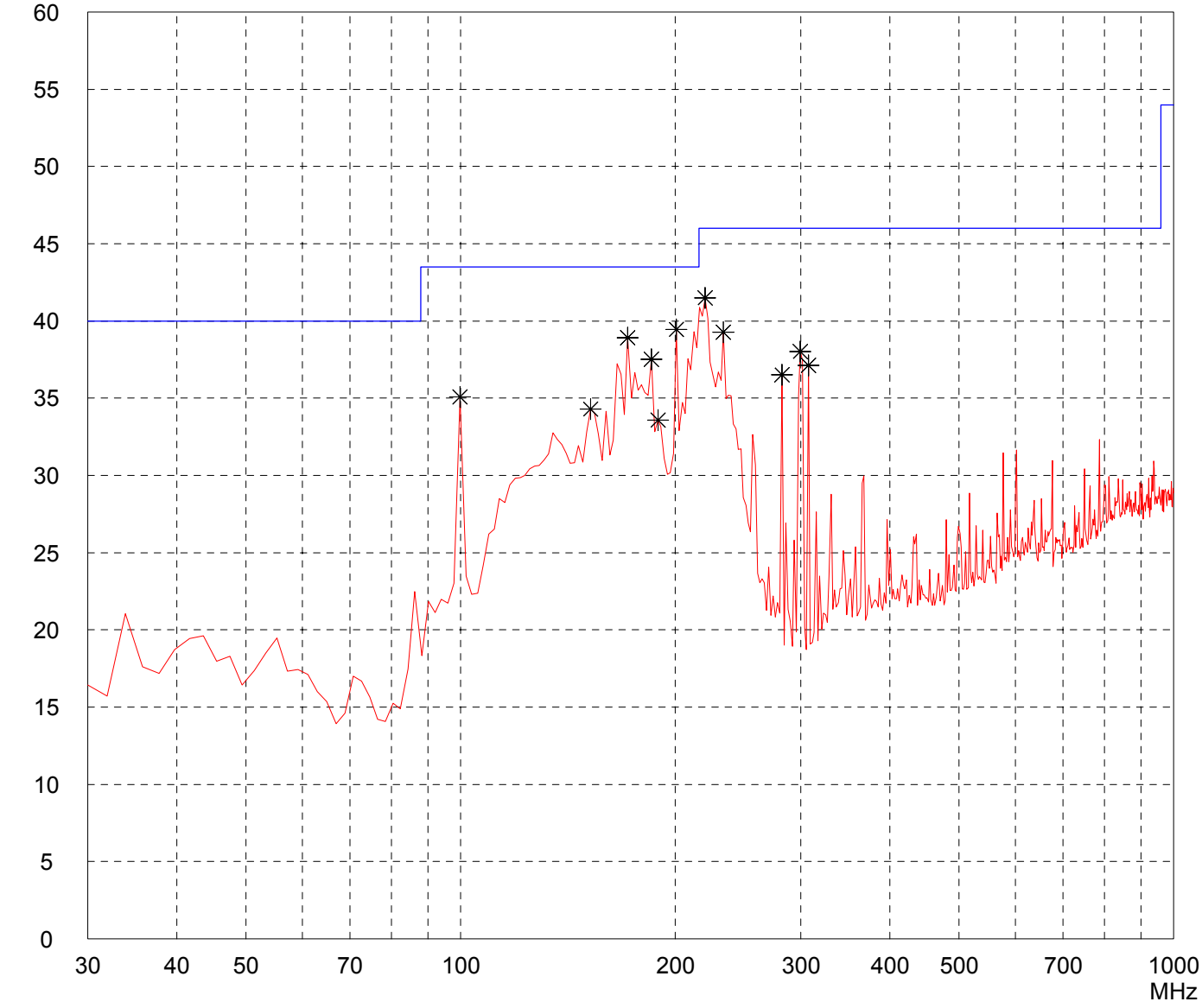
Result: Pass / Date: 10.MAR.2007 12:01:54	Project file: 56409-70012

Radiated Emission Test 30 MHz - 1 GHz
acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: ZB2430-100	Comment: - TX at channel 1 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/09/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

dBµV/m — Limit1: FCC Part 15 — Transducer: VULB 9163



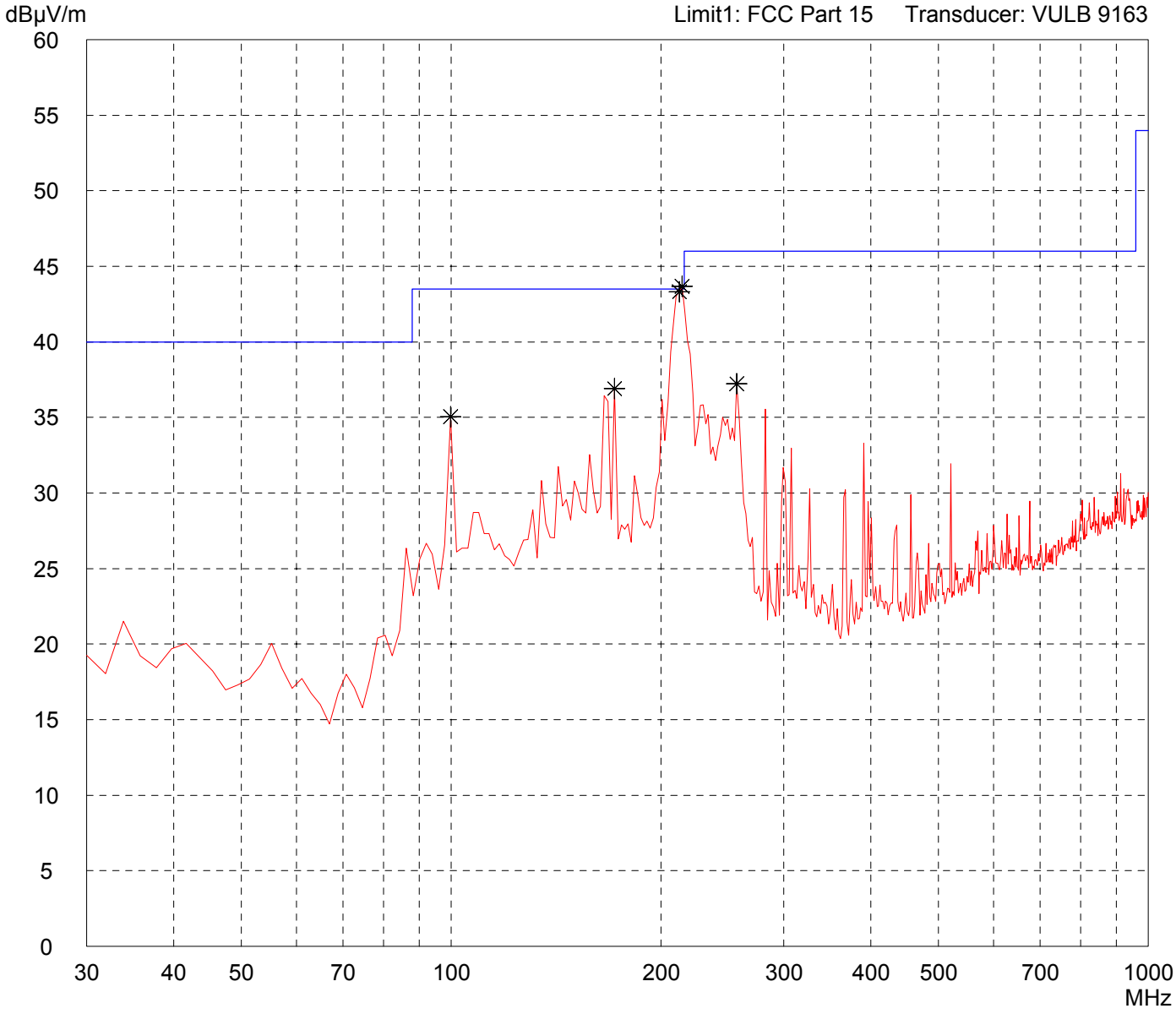
Result: Prescan	Project file: 56109-70012

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

Radiated Emission Test 30 MHz - 1 GHz
acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: ZB2430-100	Comment: - TX at channel 01 - Monopole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/22/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

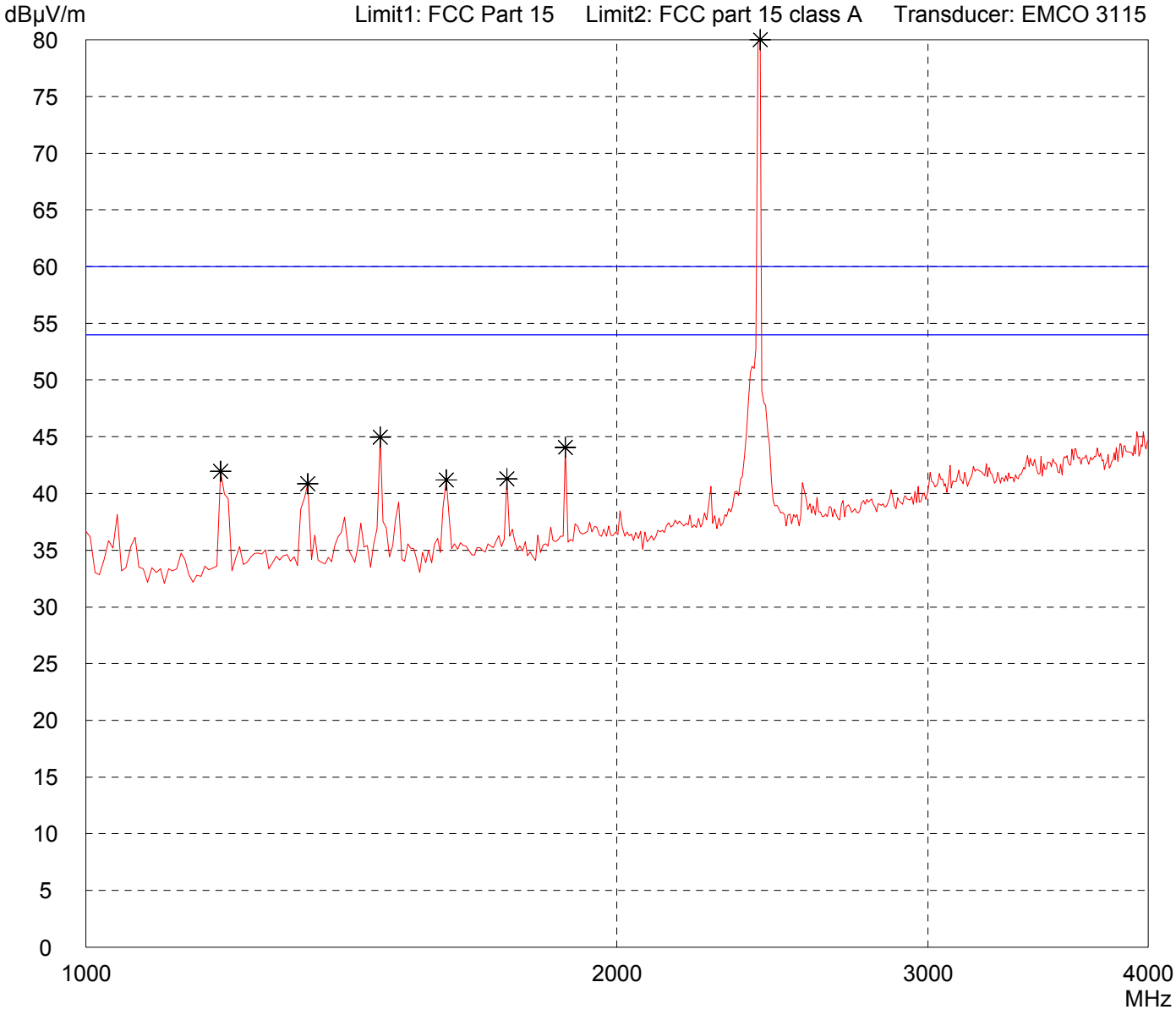


Result: Prescan	Project file: 56409-70012

Radiated Emission Test 1 GHz - 4 GHz
acc. to FCC Part 15 (EMCO 3115)

Model: ZB2430-100	Comment: - TX at channel 1 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

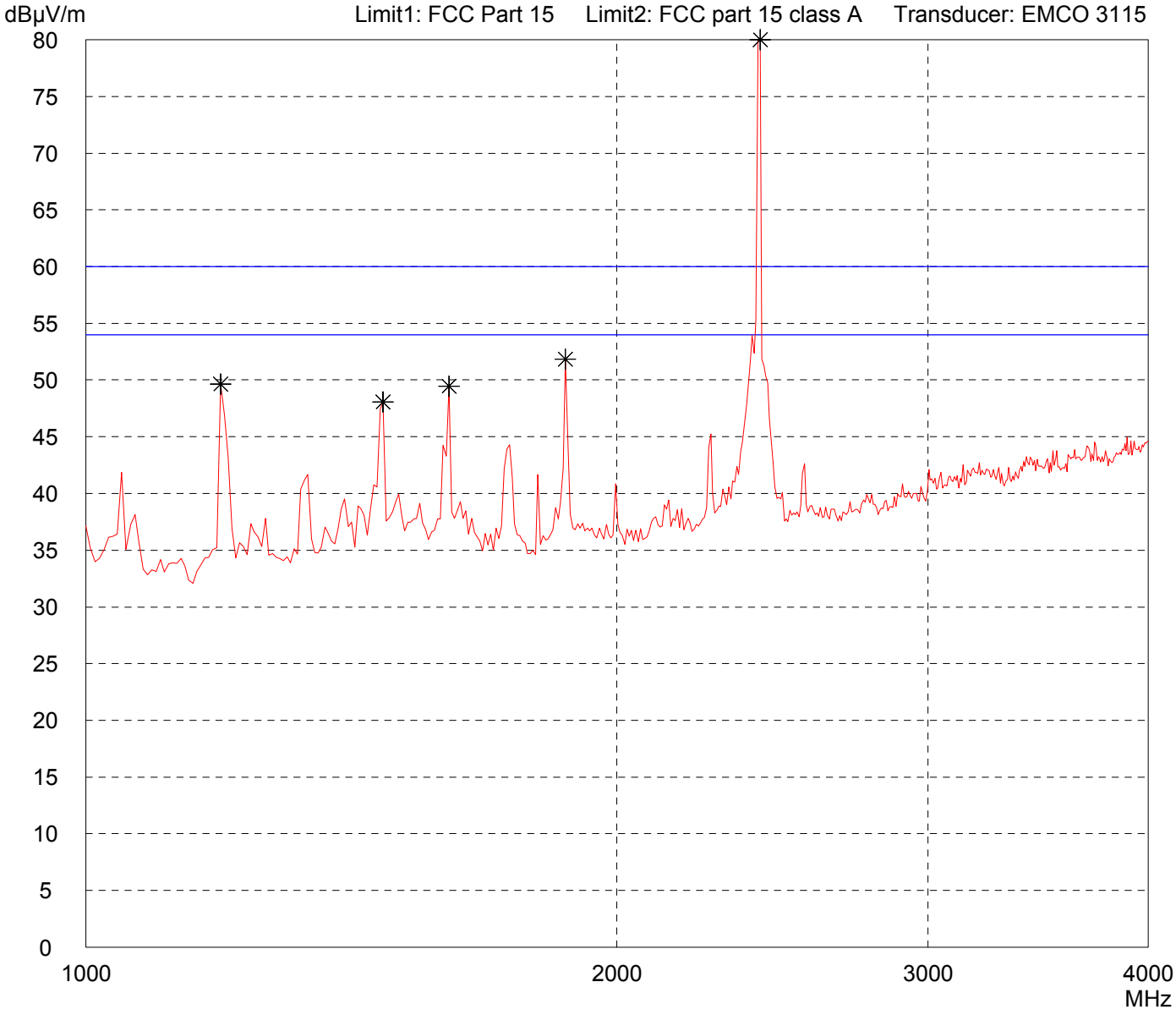


Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 1 GHz - 4 GHz
acc. to FCC Part 15 (EMCO 3115)

Model: ZB2430-100	Comment: - TX at channel 1 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

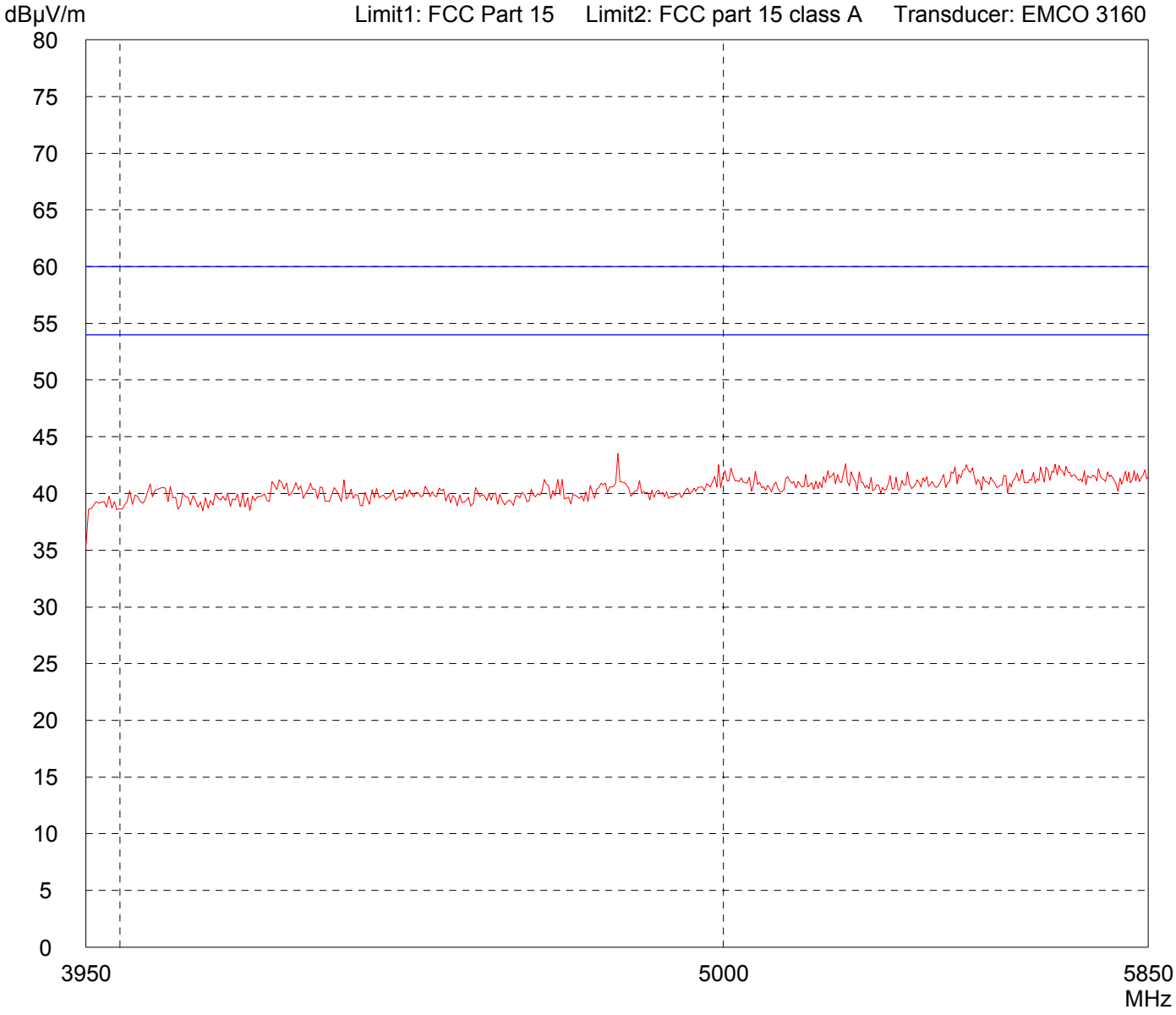


Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 3.95 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at Channel 01
Serial no.: Unit B with Chip Antenna	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 03/12/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



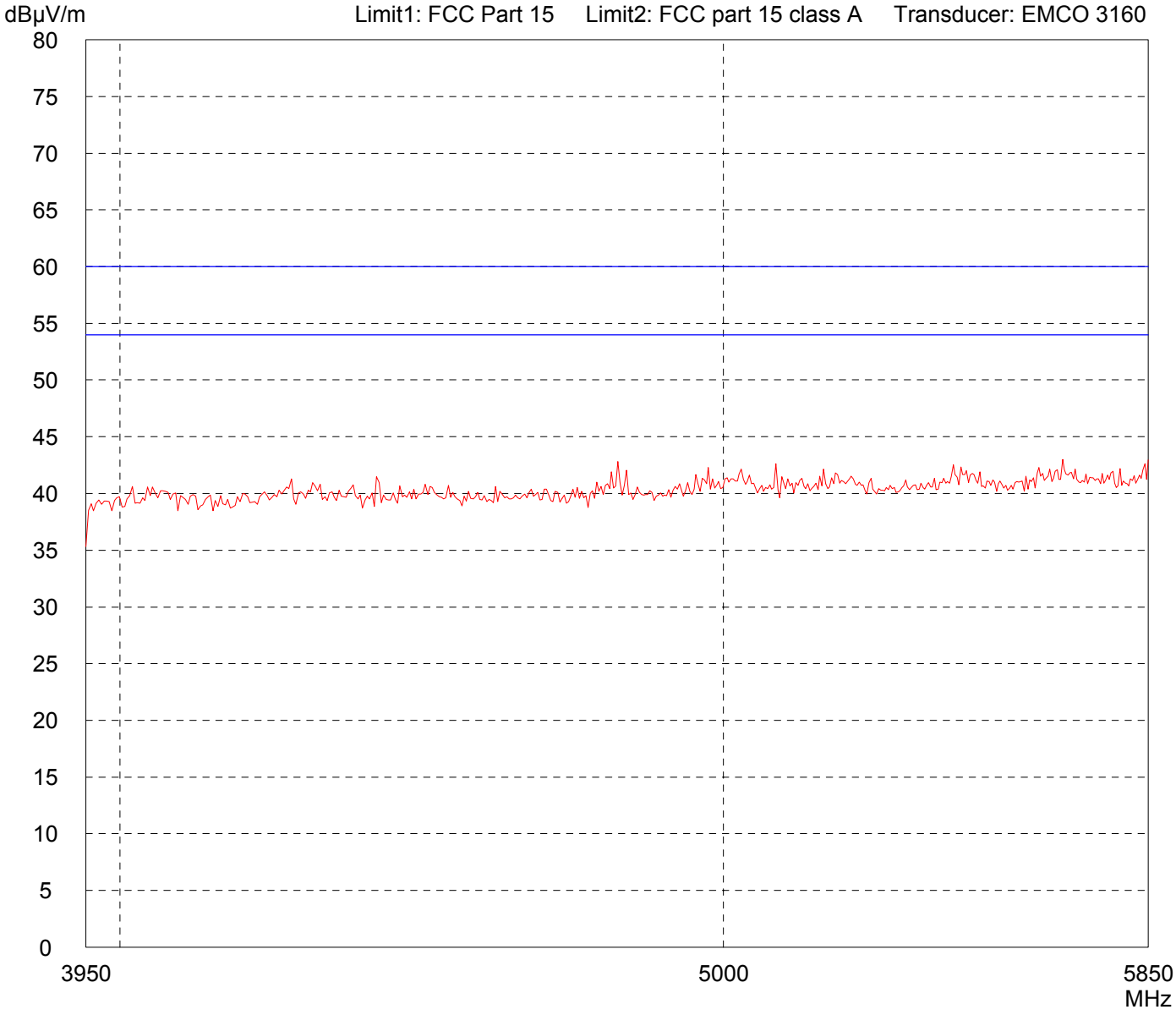
Result: Limit kept	Project file: 56109-70012

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

Radiated Emission Test 3.95 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at Channel 01
Serial no.: Unit B with Chip Antenna	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 03/12/2007 — Operator: J. Roidt	
Test performed: automatically — File name: default.emi	

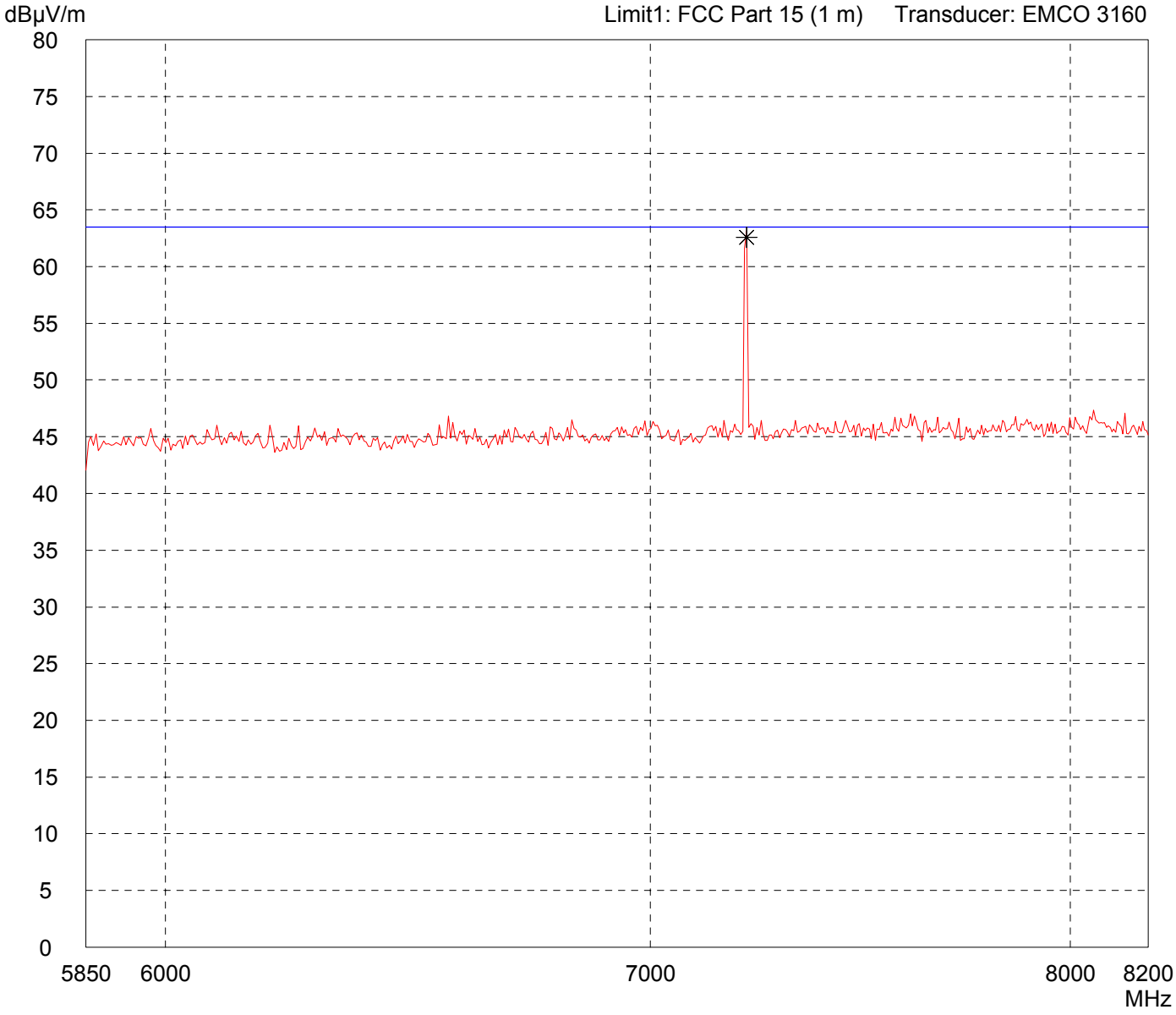
Detector: Peak	List of values: 10 dB Margin — 50 Subranges



Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 1 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/17/2007 / Operator:	
Test performed: automatically / File name: default.emi	
Detector: Peak	List of values: Selected by hand

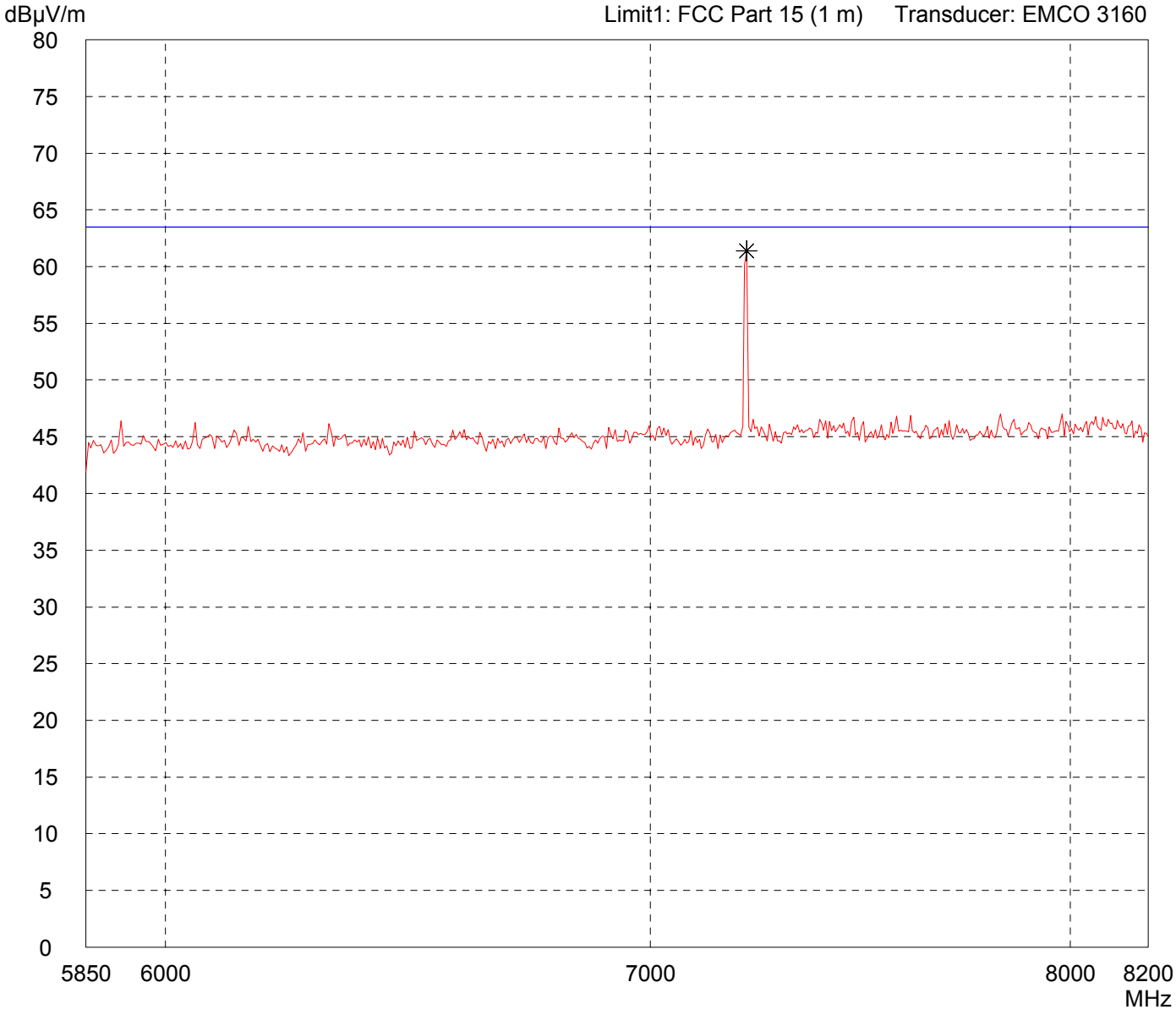


Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 1 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/17/2007 / Operator:	
Test performed: automatically / File name: default.emi	

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

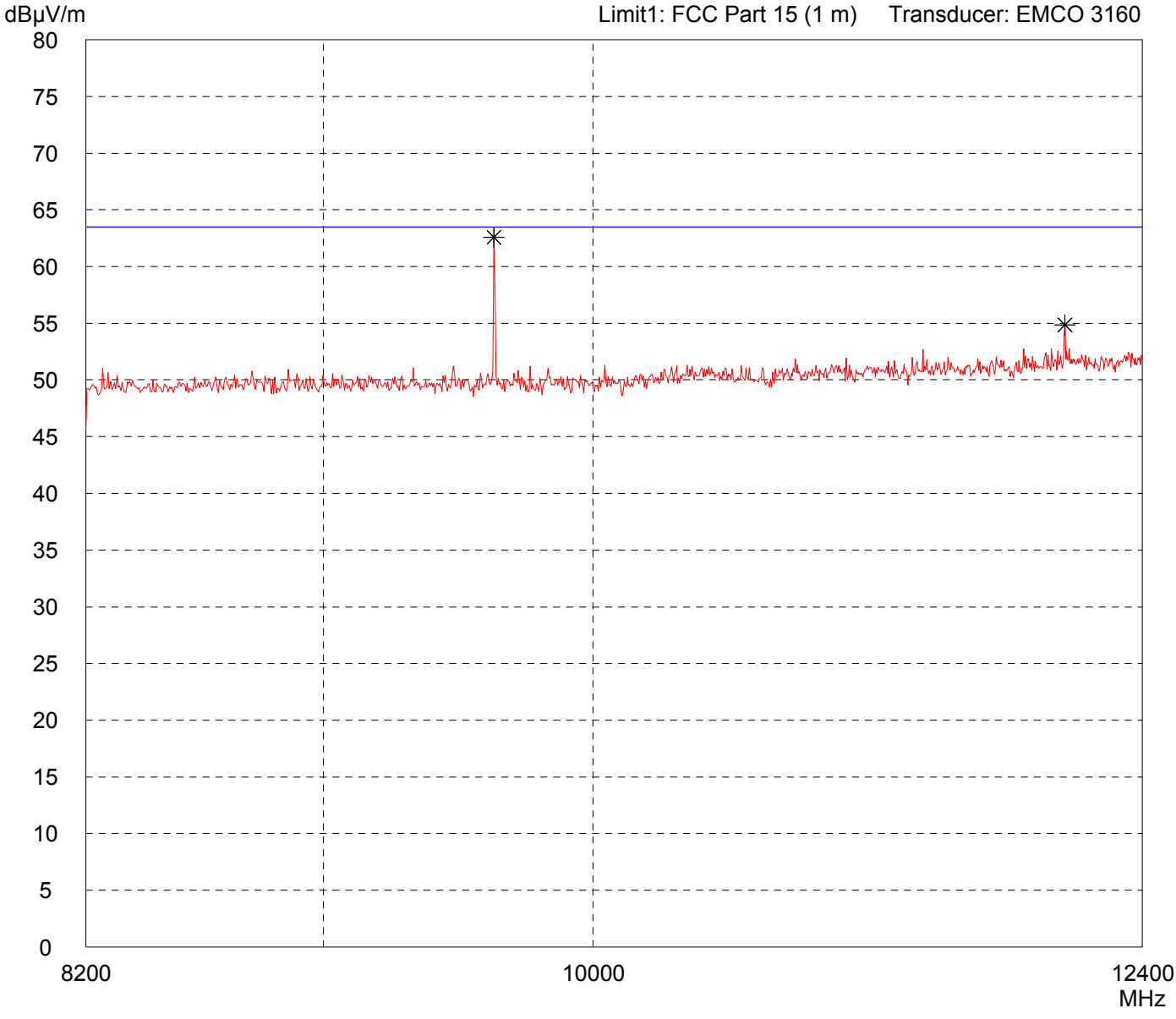


Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

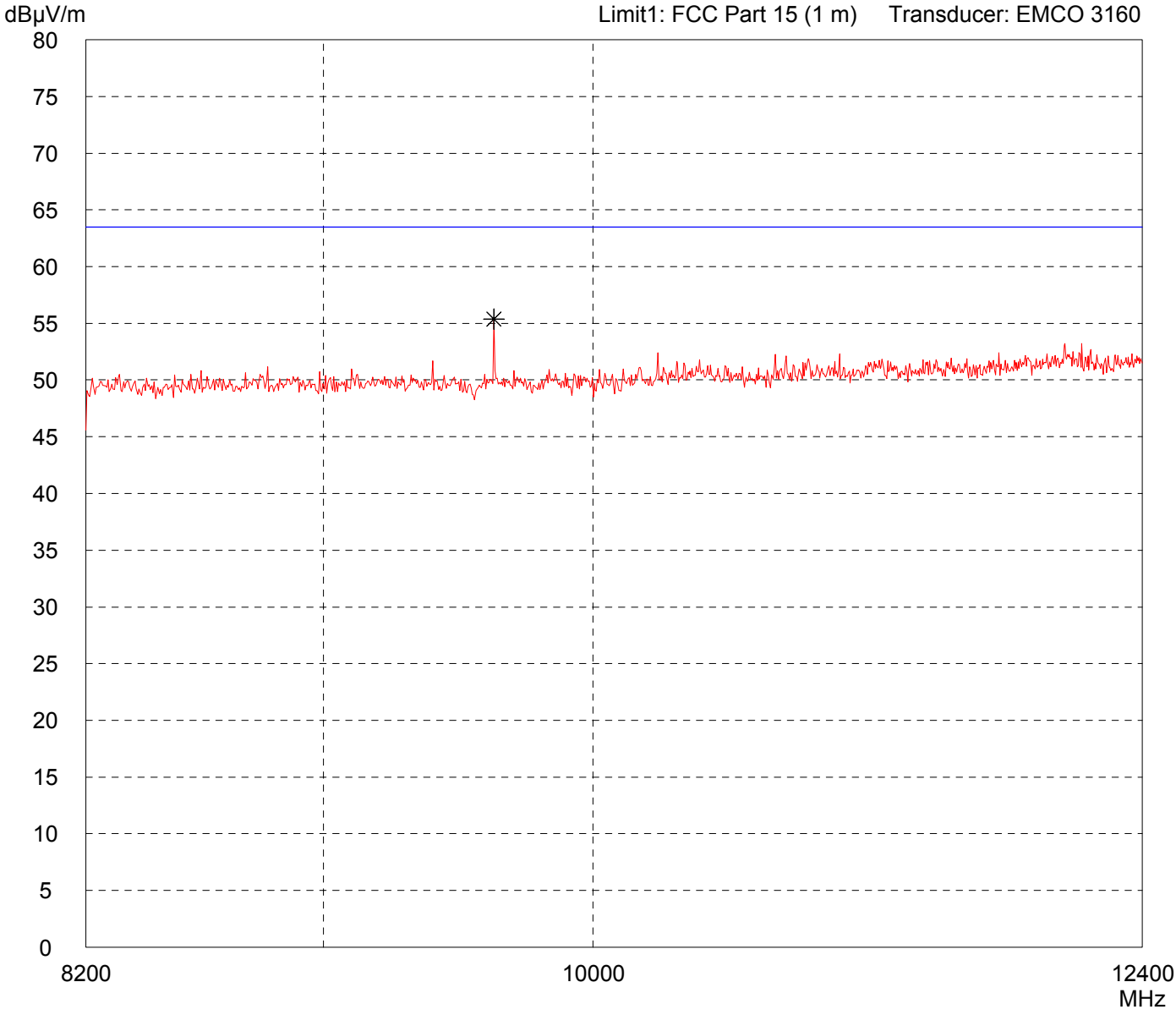


Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



Result: Limit kept	Project file: 56109-70012

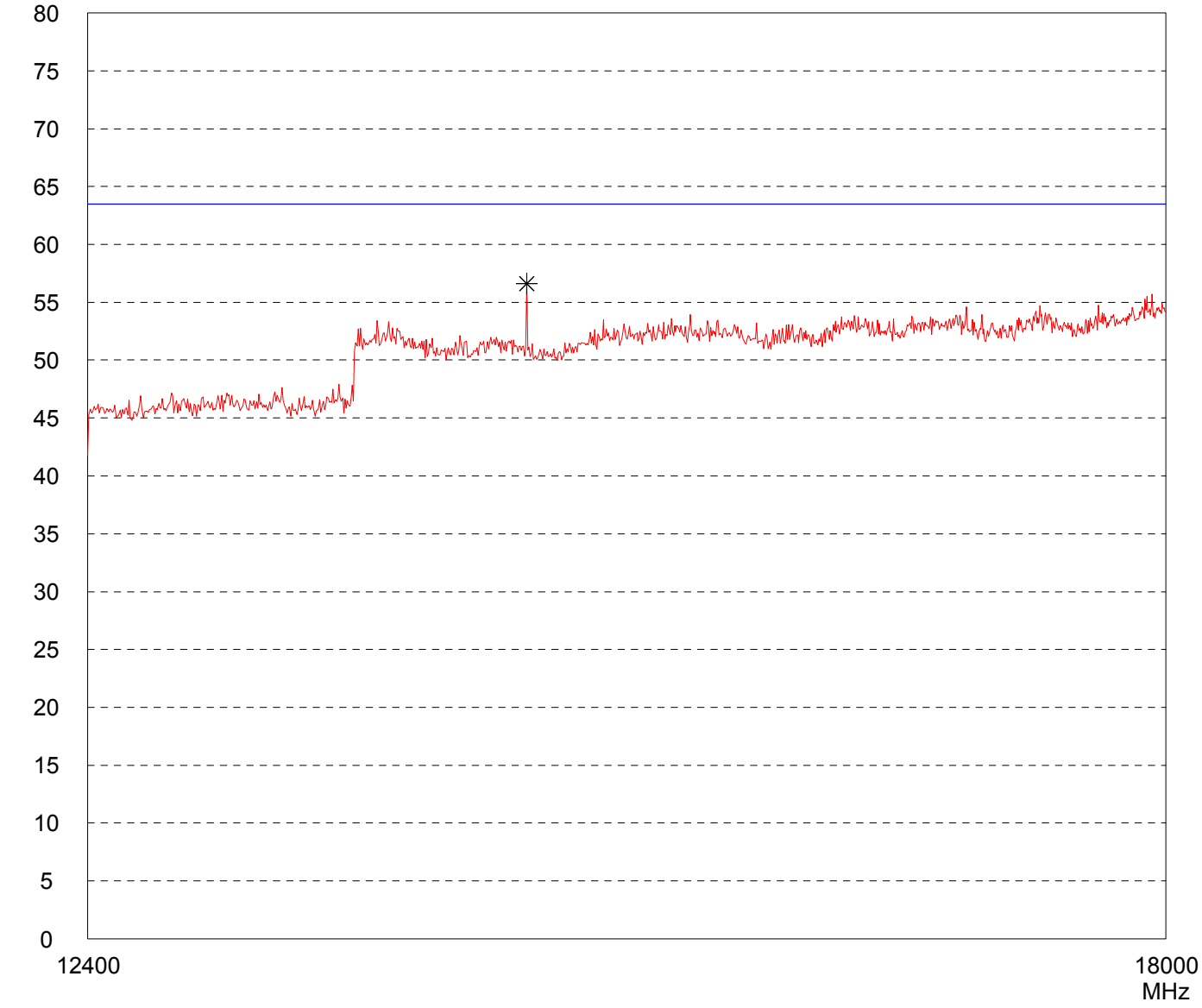
Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

Limit1: FCC Part 15 (1 m) Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

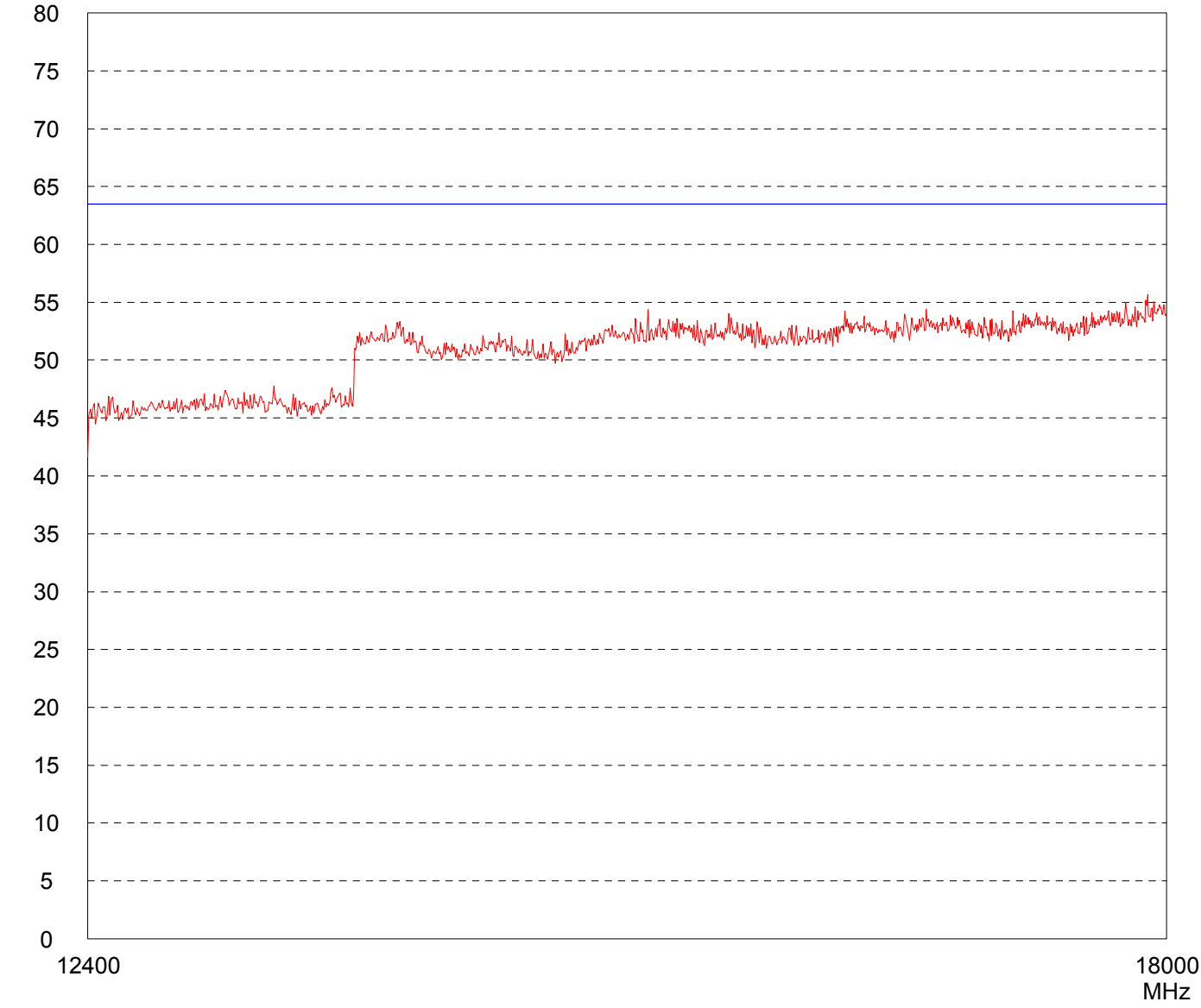
Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 01 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

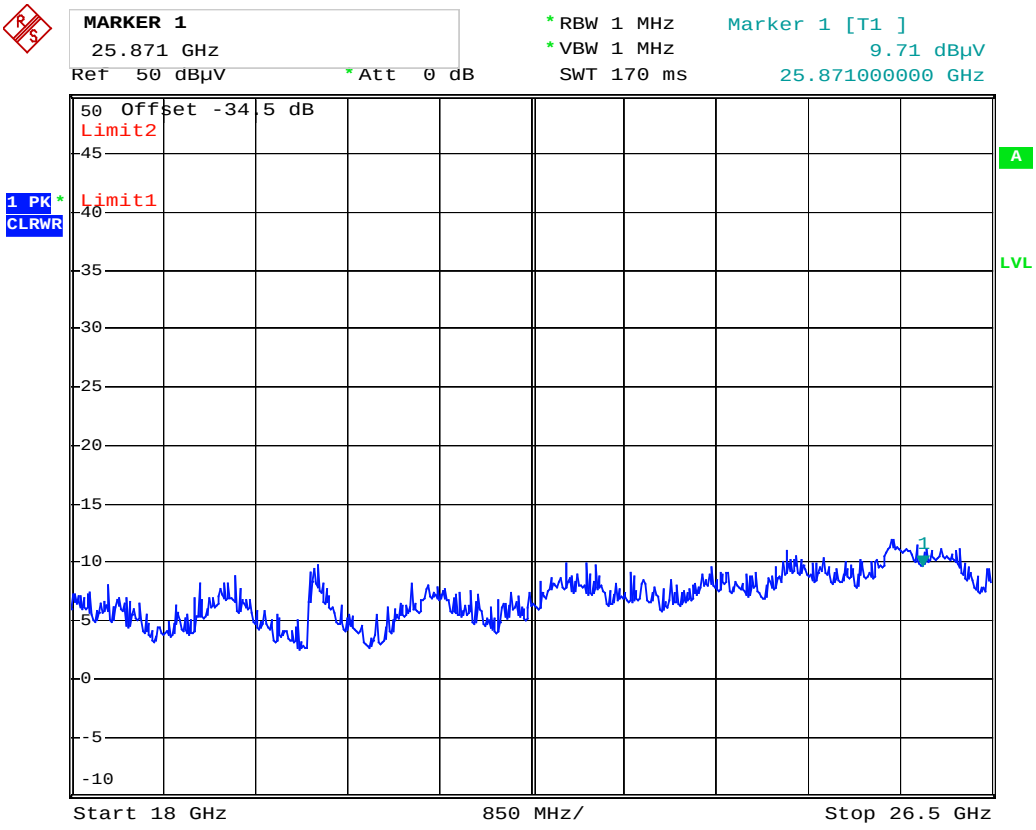
Limit1: FCC Part 15 (1 m) Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 18 GHz – 26.5 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at RF channel 01 -
Serial No. Unit B with integrated Chip Antenna	
Applicant: AEROCOMM, Inc.	
Test Site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 metres Horizontal Polarisation	
Date of Test: 10 March 2007 / Operator: J. Roidt	
Detector: Peak	

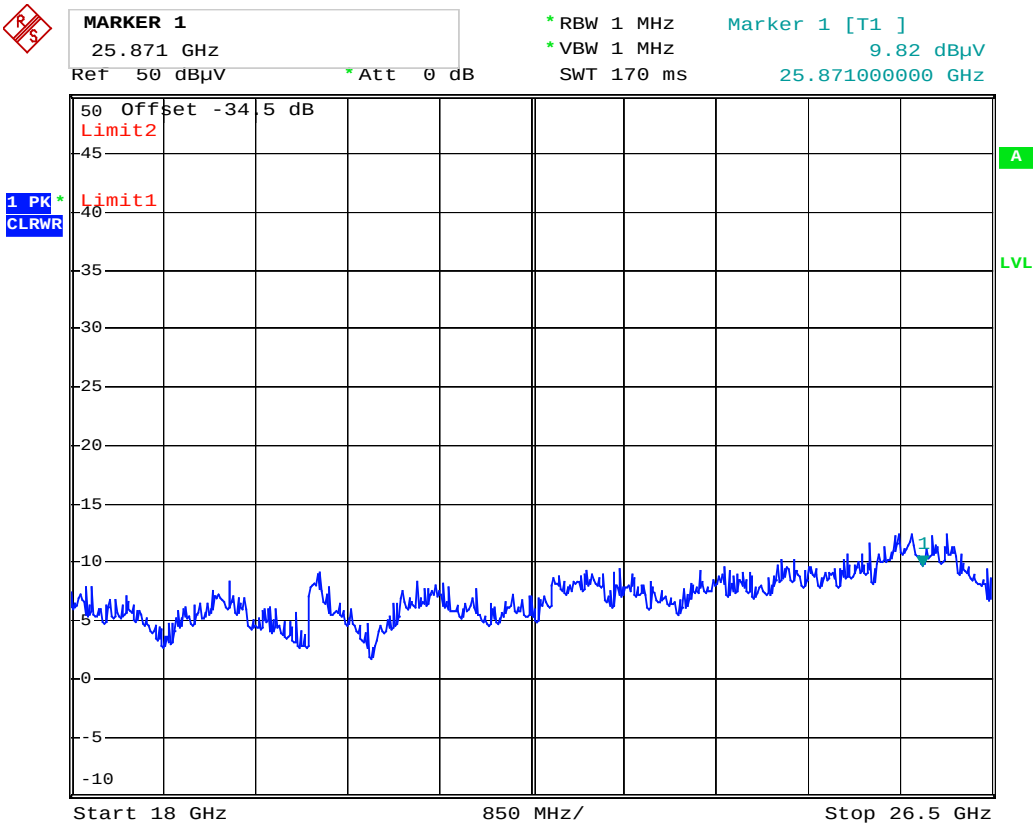


Date: 10.MAR.2007 12:02:10

Result: Pass	Project file: 56409-70012

Radiated Emission Test 18 GHz – 26.5 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at RF channel 01 -
Serial No. Unit B with integrated Chip Antenna	
Applicant: AEROCOMM, Inc.	
Test Site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 metres Vertical Polarisation	
Date of Test: 10 March 2007 / Operator: J. Roidt	
Detector: Peak	



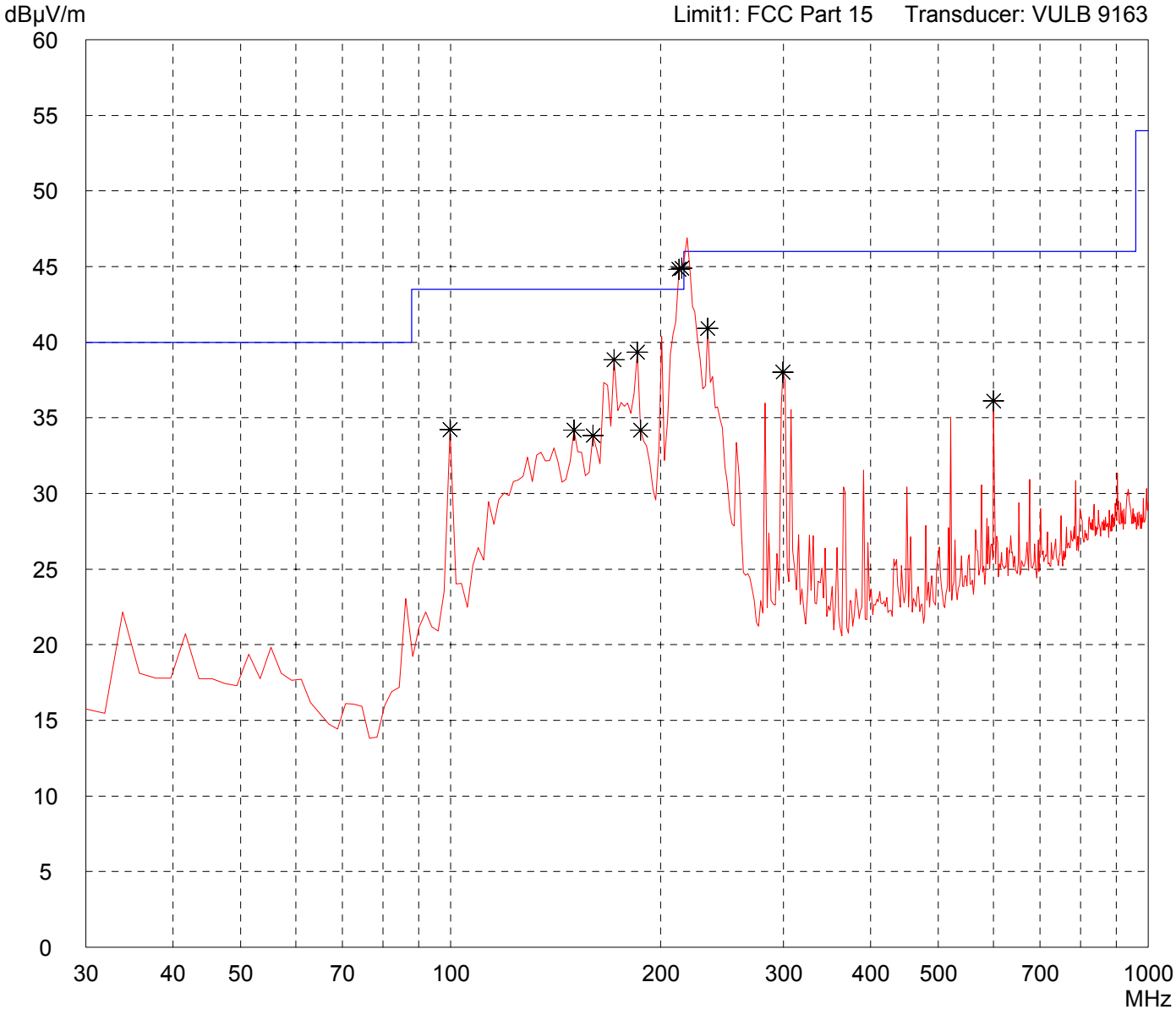
Date: 10.MAR.2007 12:03:06

Result: Pass	Project file: 56409-70012

Radiated Emission Test 30 MHz - 1 GHz
acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: ZB2430-100	Comment: - TX at channel 8 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/09/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



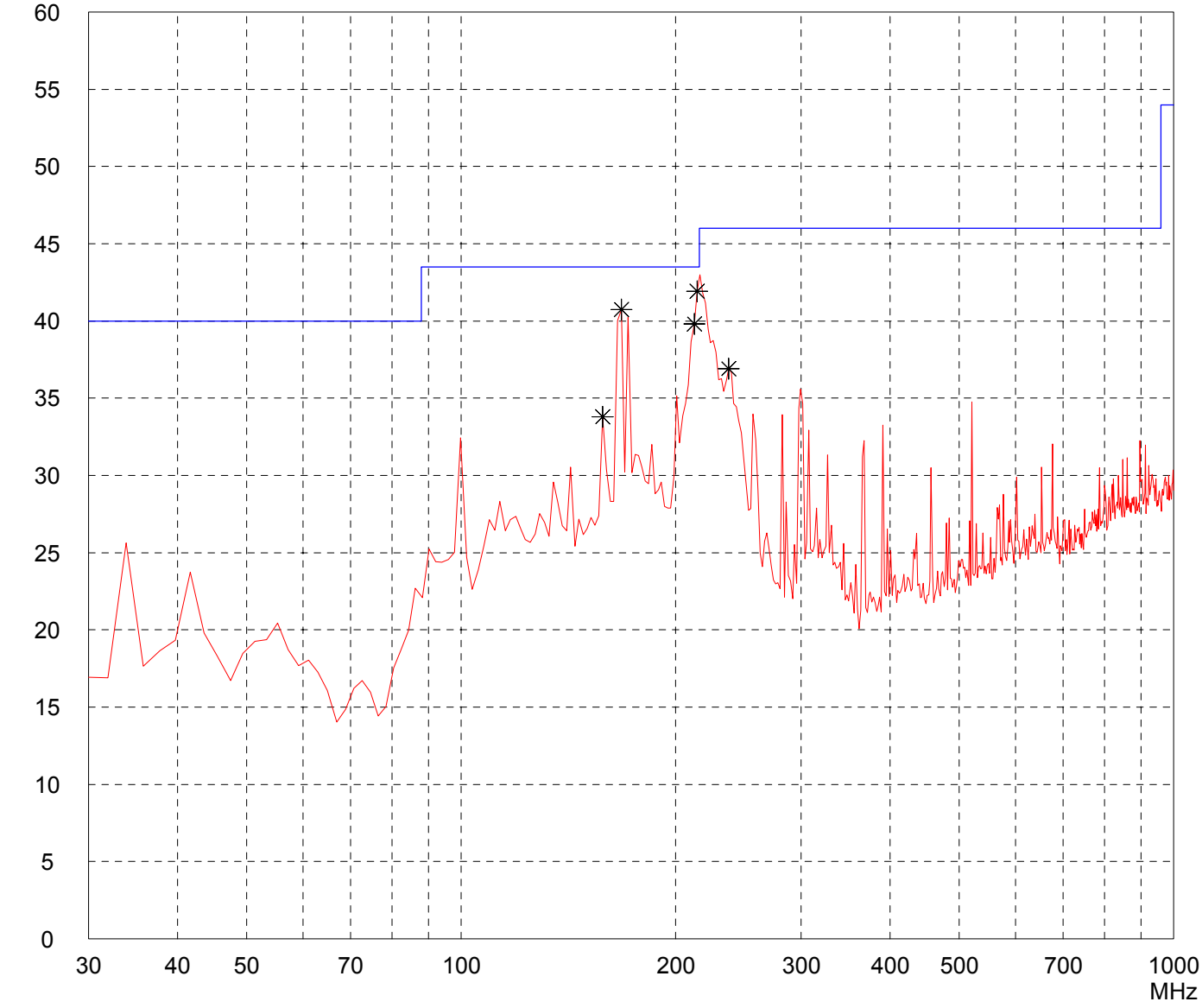
Result: Prescan	Project file: 56109-70012

Radiated Emission Test 30 MHz - 1 GHz
acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: ZB2430-100	Comment: - TX at channel 8 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/09/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

dBµV/m — Limit1: FCC Part 15 — Transducer: VULB 9163



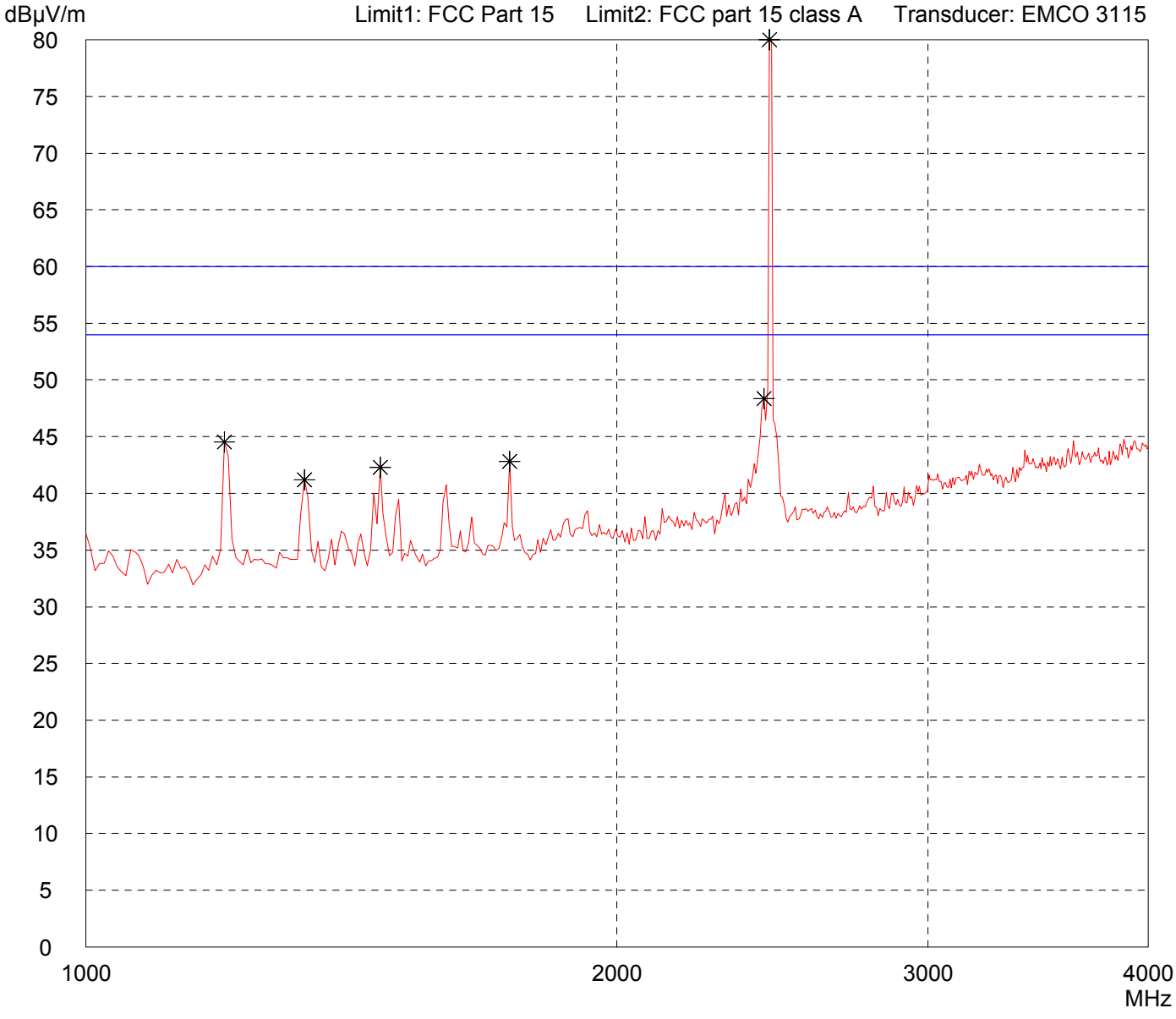
Result: Prescan	Project file: 56109-70012

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 (EMCO 3115)

Model: ZB2430-100	Comment: - TX at channel 8 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand



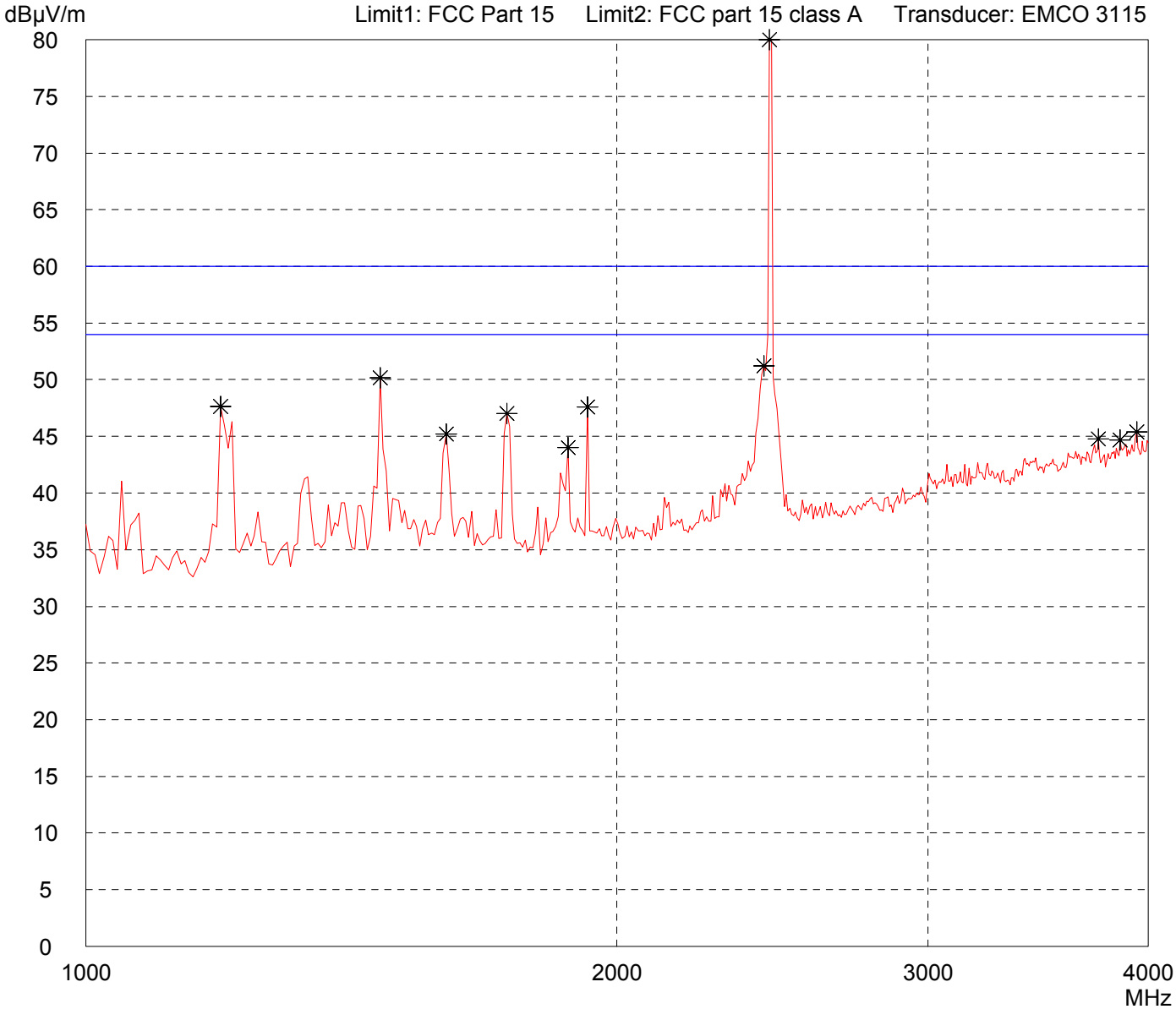
Result: Limit kept	Project file: 56109-70012

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 (EMCO 3115)

Model: ZB2430-100	Comment: - TX at channel 8 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand



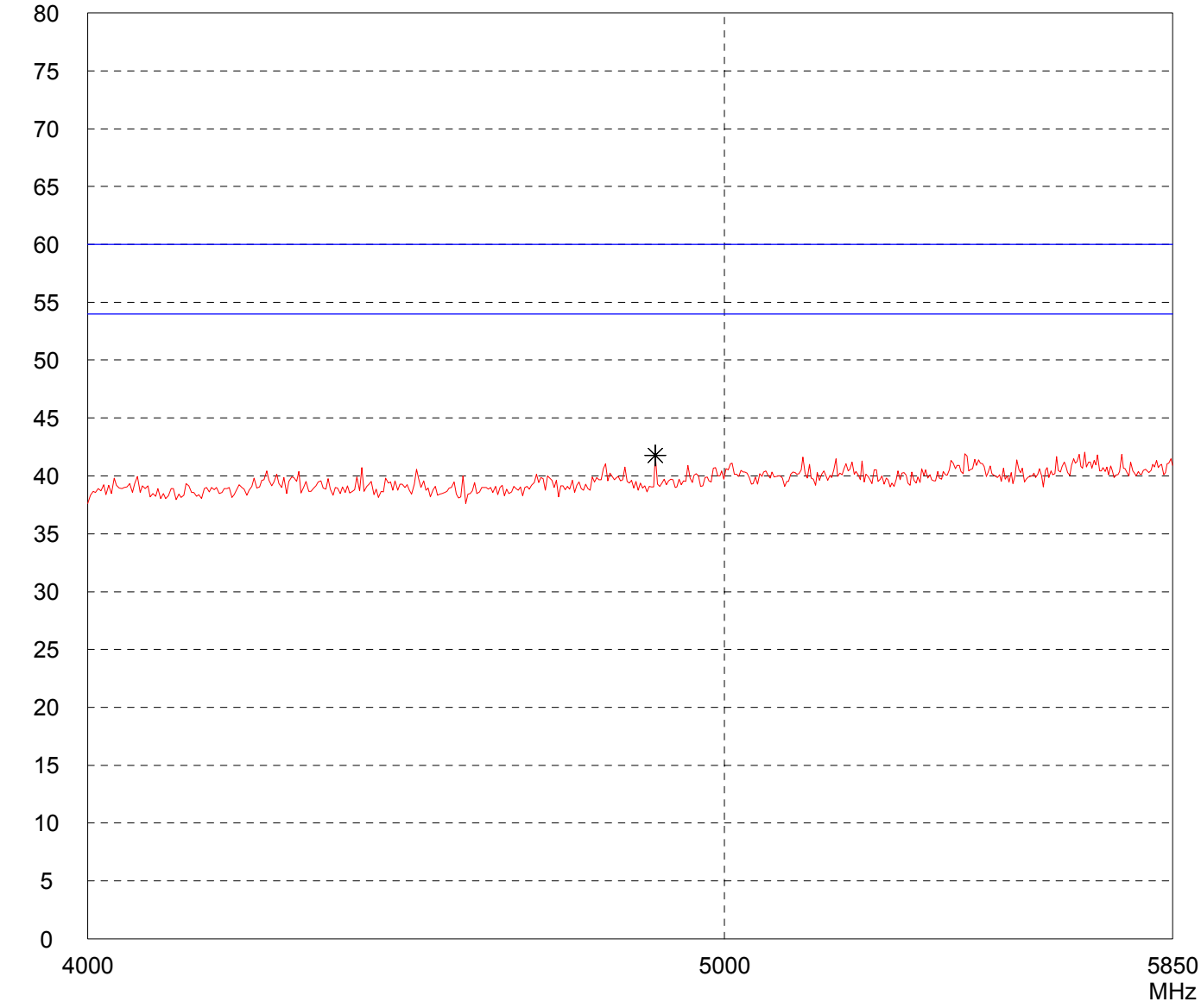
Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 4 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 8 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m Limit1: FCC Part 15 Limit2: FCC part 15 class A Transducer: EMCO 3160



Result: Limit kept	Project file: 56109-70012

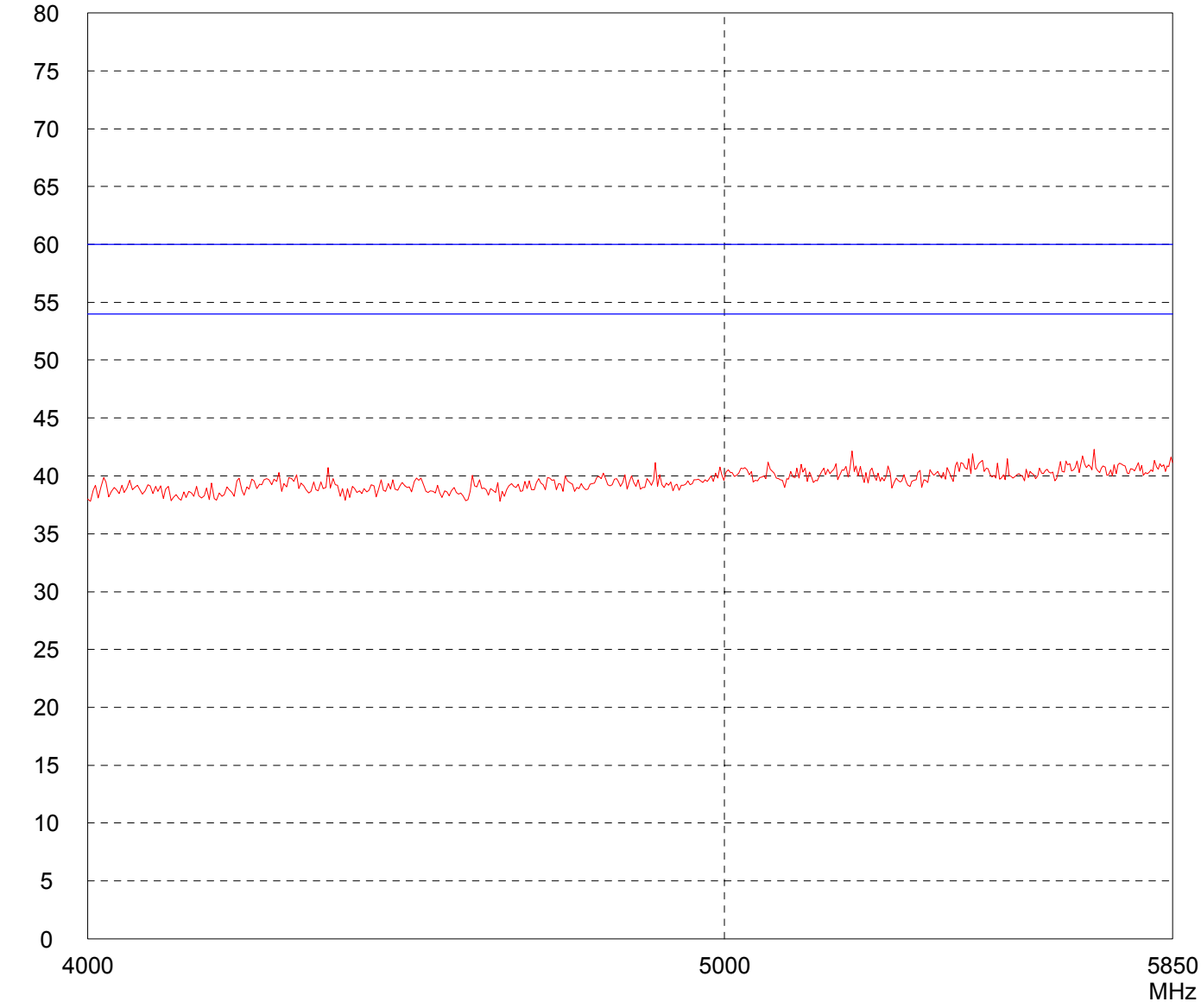
Senton GmbH / Aeussere Fruehlingstrasse 45 / D-94315 Straubing / Germany / Tel. +49 (0)9421 5522-0 / Fax +49 (0)9421 5522-99

Radiated Emission Test 4 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 8 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m Limit1: FCC Part 15 Limit2: FCC part 15 class A Transducer: EMCO 3160

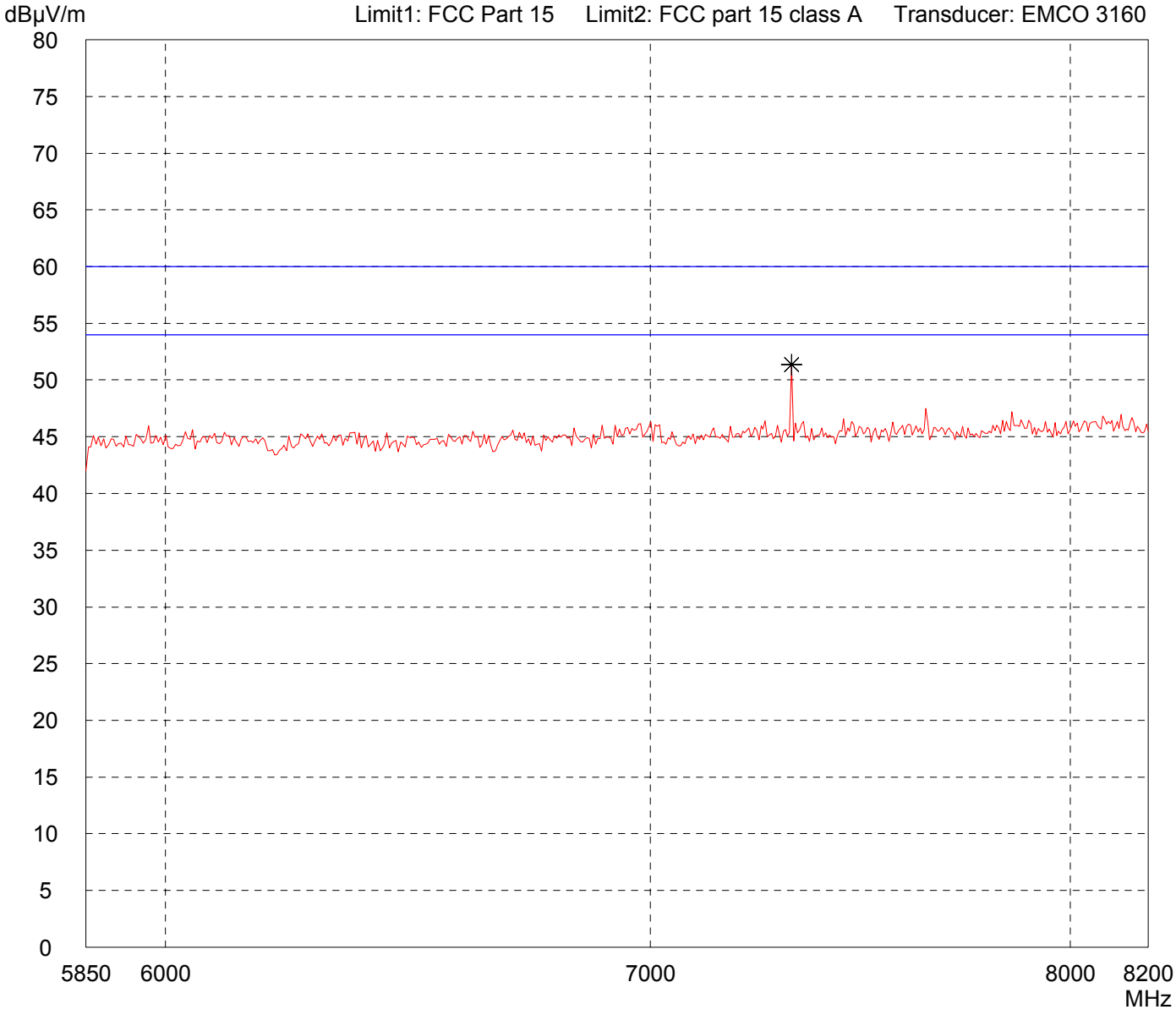


Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 08
Serial no.: Unit B with integrated antenna	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 03/09/2007 — Operator: J. Roidt	
Test performed: automatically — File name: default.emi	

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



Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 08
Serial no.: Unit B with integrated antenna	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 03/09/2007 — Operator: J. Roidt	
Test performed: automatically — File name: default.emi	

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

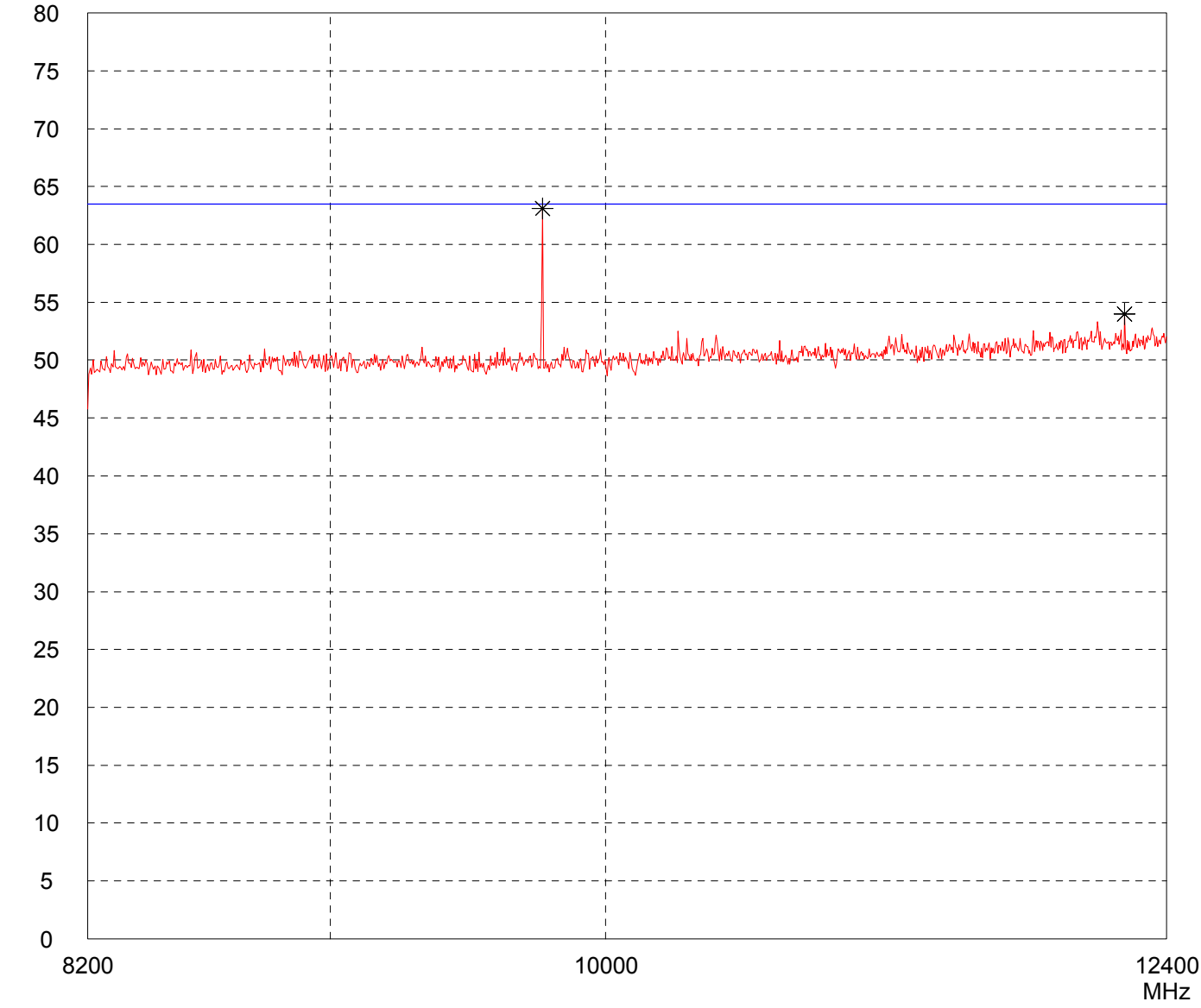
Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 08 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

dBµV/m — Limit1: FCC Part 15 (1 m) — Transducer: EMCO 3160

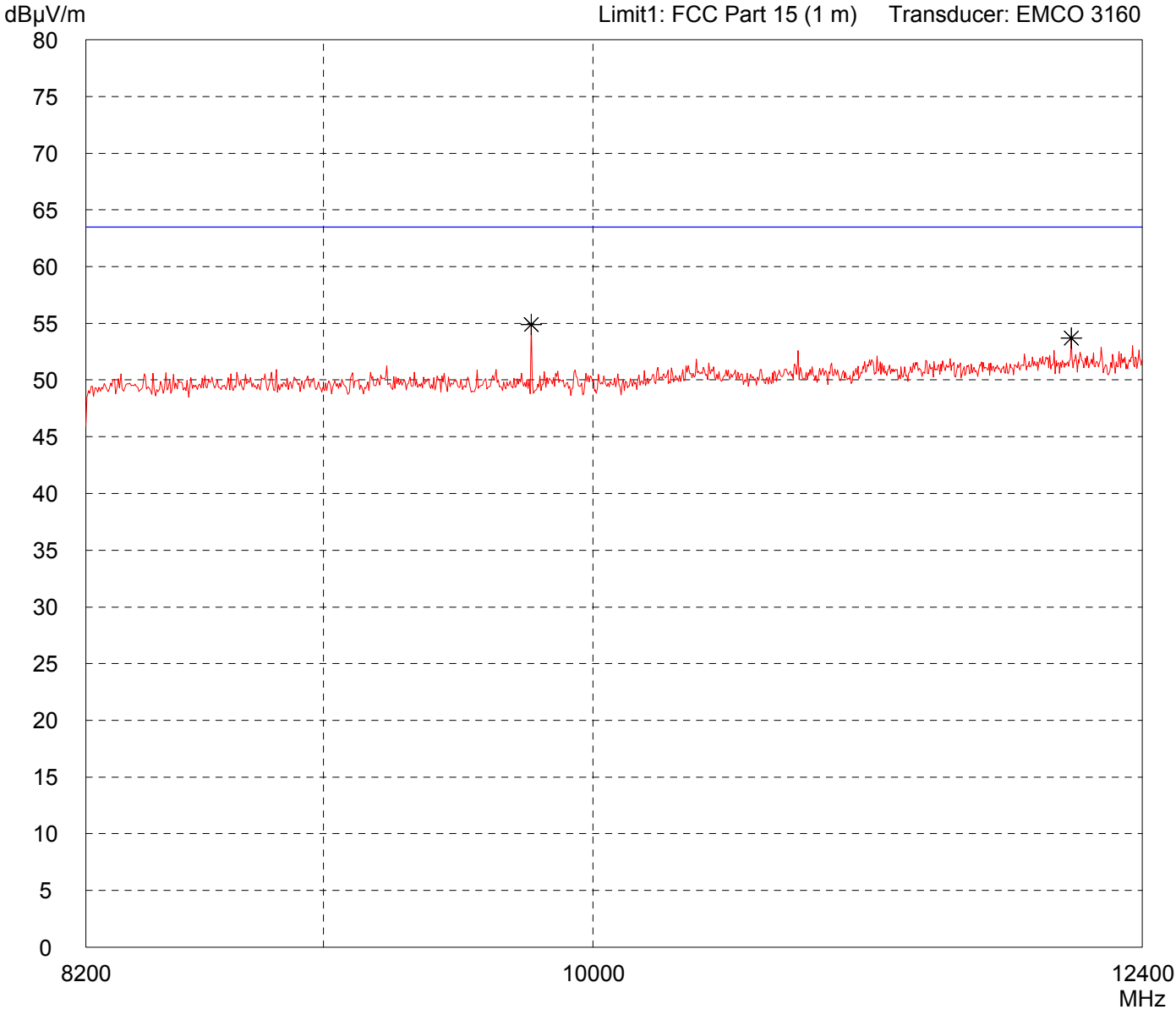


Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 08 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



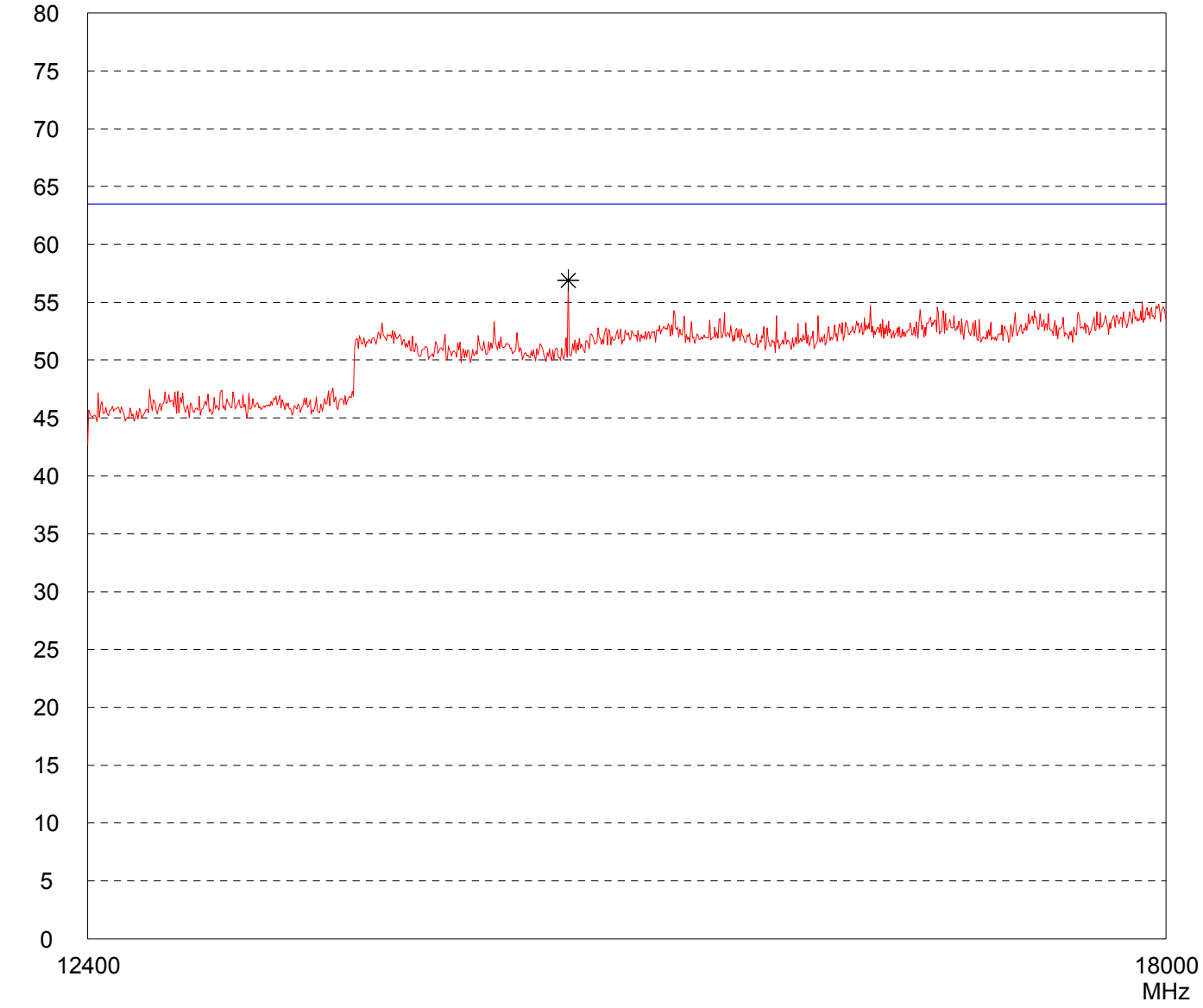
Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 08 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m — Limit1: FCC Part 15 (1 m) — Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

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

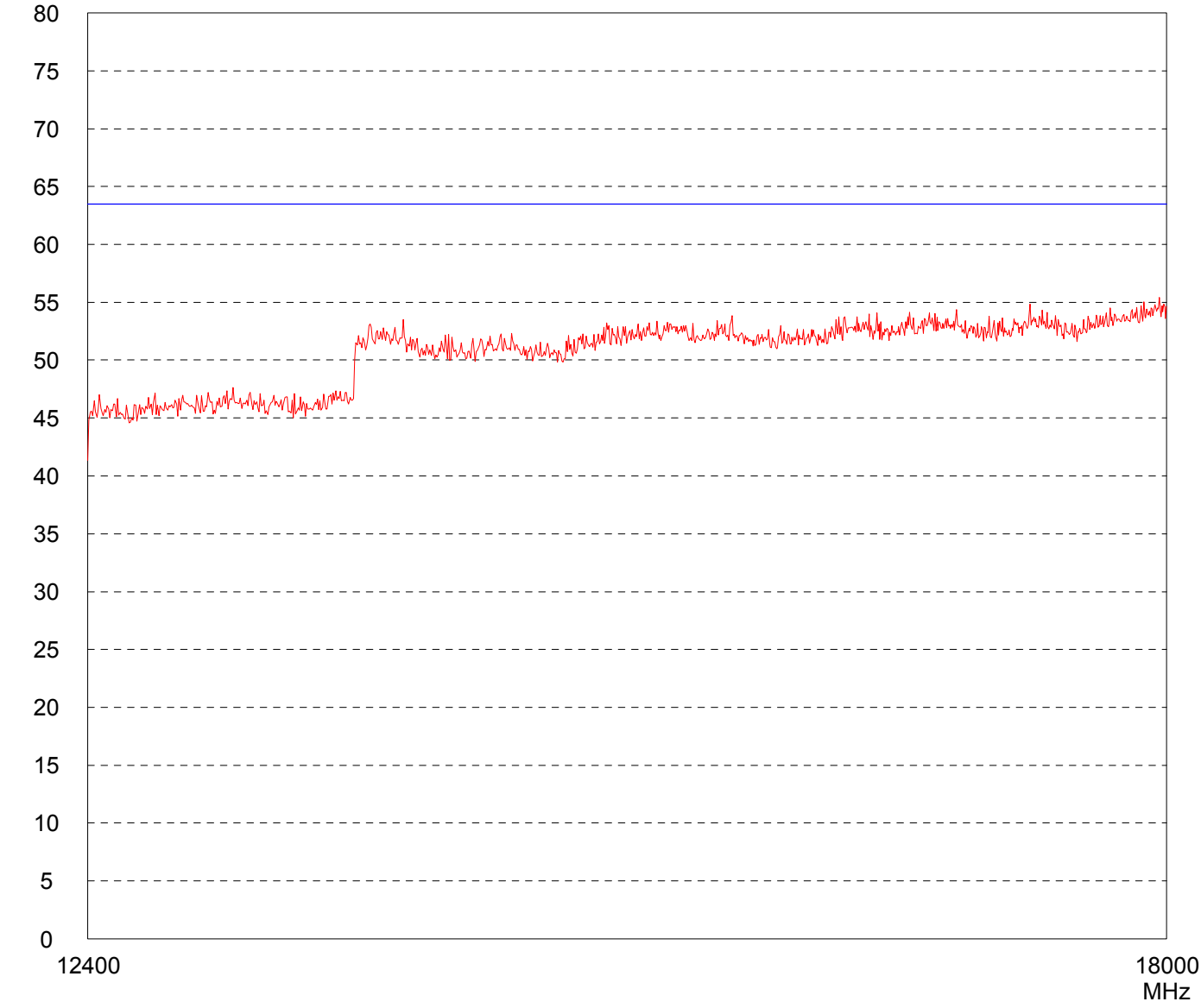
Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 08 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

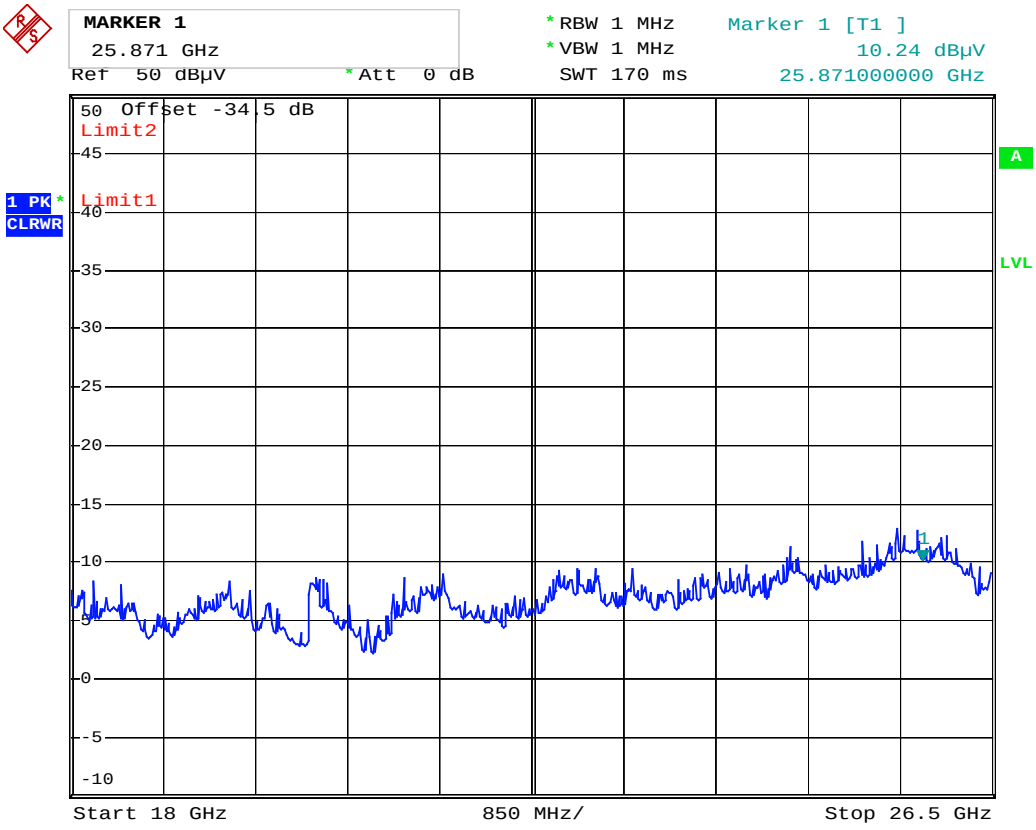
Limit1: FCC Part 15 (1 m) Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 18 GHz – 26.5 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at RF channel 08 -
Serial No. Unit B with integrated Chip Antenna	
Applicant: AEROCOMM, Inc.	
Test Site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 metres Horizontal Polarisation	
Date of Test: 10 March 2007 / Operator: J. Roidt	
Detector: Peak	

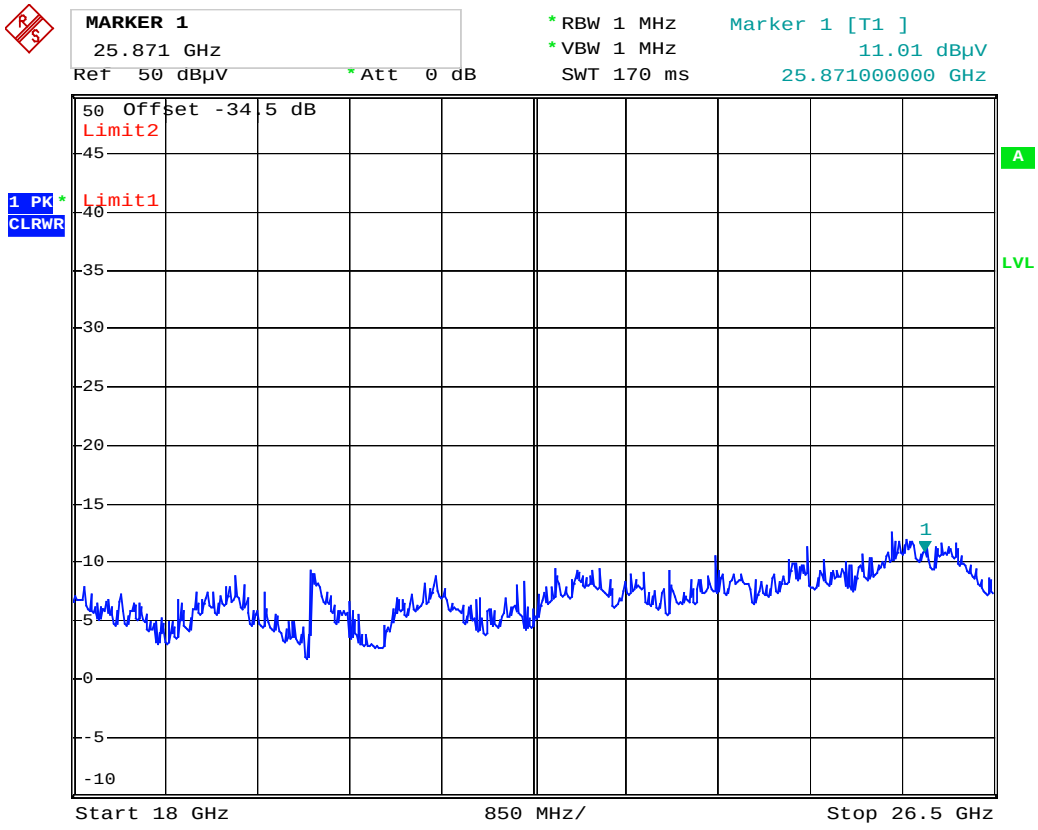


Date: 10.MAR.2007 12:03:20

Result: Pass	Project file: 56409-70012

Radiated Emission Test 18 GHz – 26.5 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at RF channel 08 -
Serial No. Unit B with integrated Chip Antenna	
Applicant: AEROCOMM, Inc.	
Test Site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 metres Vertical Polarisation	
Date of Test: 10 March 2007 / Operator: J. Roidt	
Detector: Peak	



Date: 10.MAR.2007 12:03:30

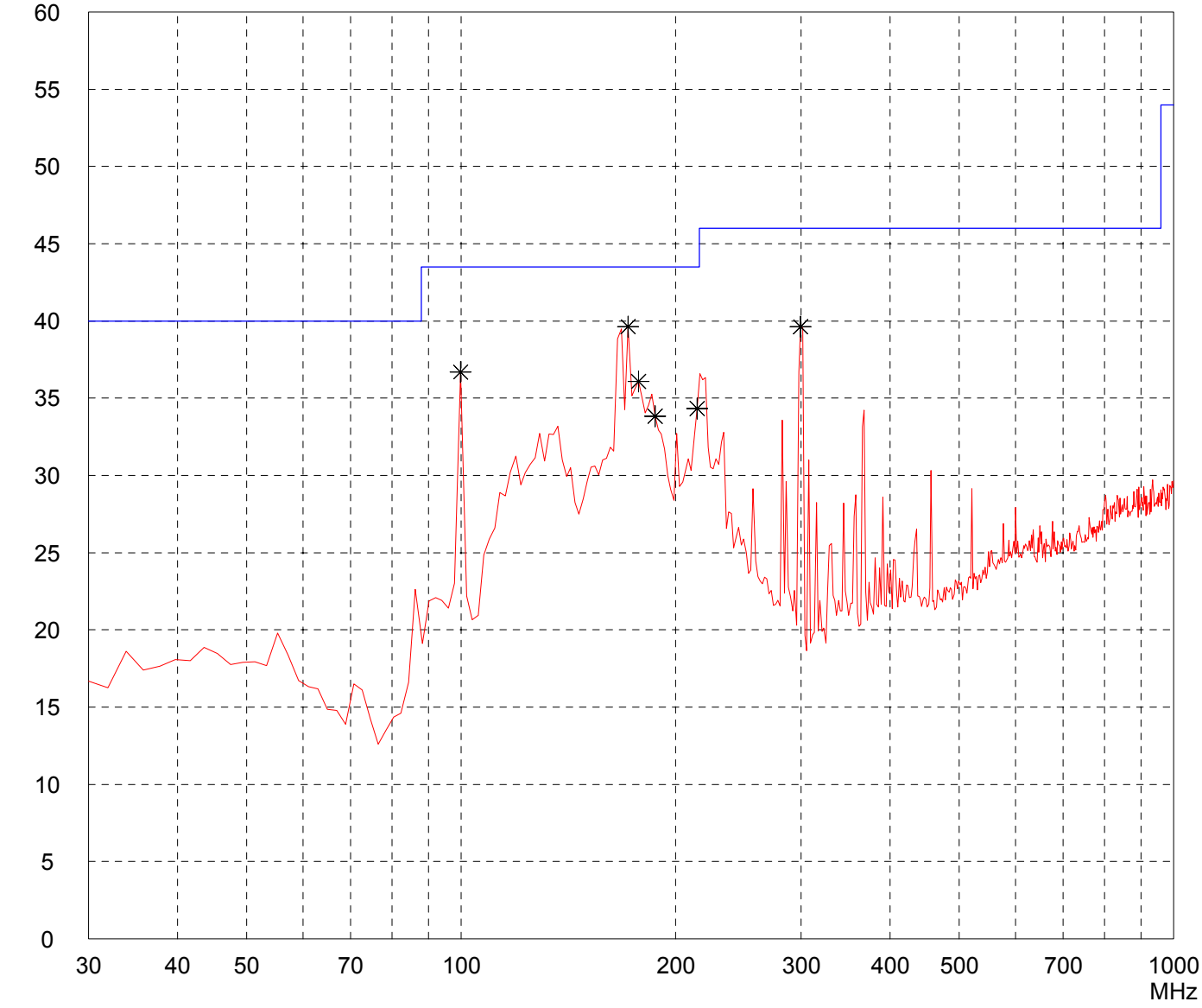
Result: Pass	Project file: 56409-70012

Radiated Emission Test 30 MHz - 1 GHz
acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: ZB2430-100	Comment: - TX at channel 15 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/09/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

dBµV/m — Limit1: FCC Part 15 — Transducer: VULB 9163



Result: Prescan	Project file: 56109-70012

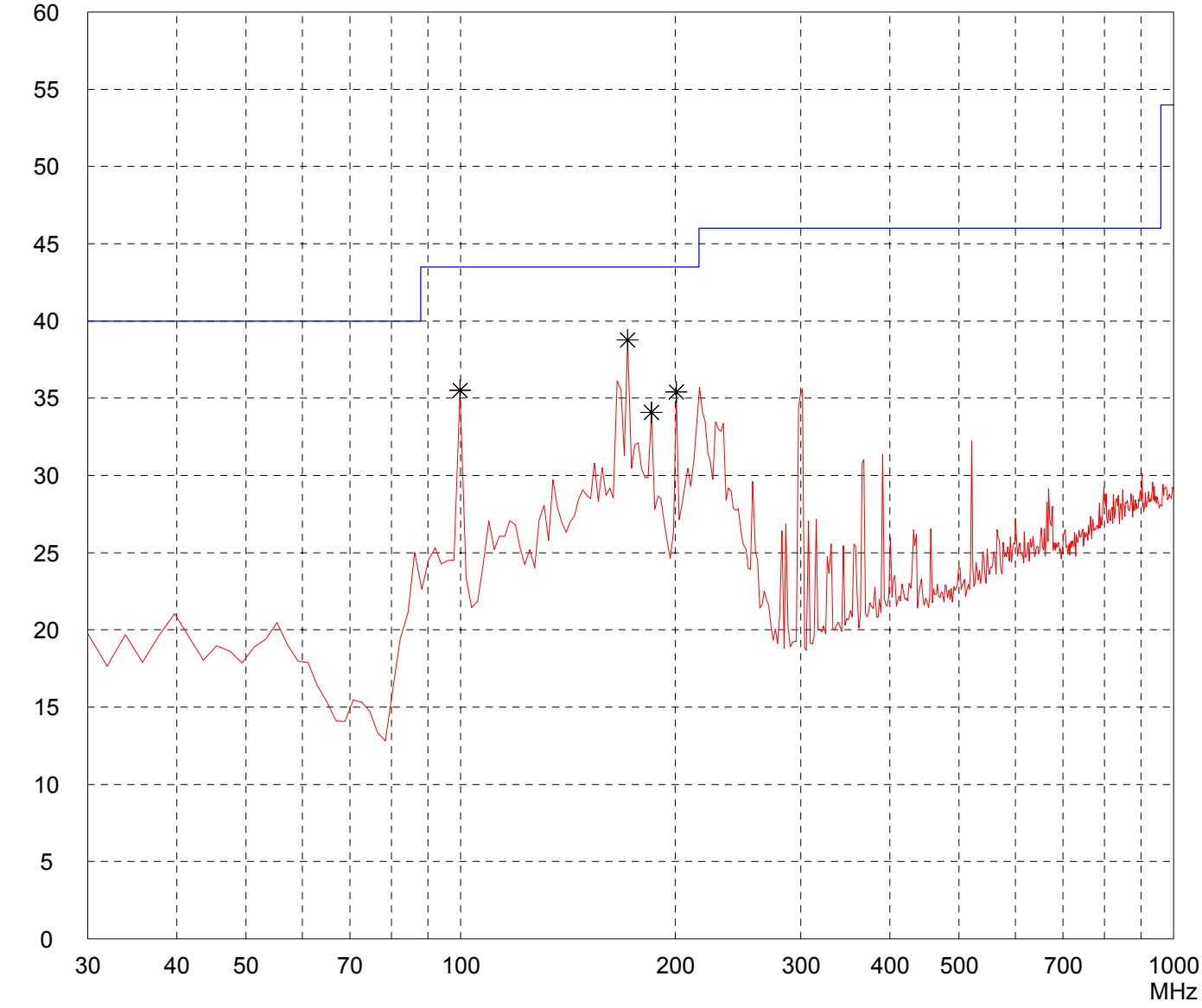
Senton GmbH / Aeussere Fruehlingstrasse 45 / D-94315 Straubing / Germany / Tel. +49 (0)9421 5522-0 / Fax +49 (0)9421 5522-99

Radiated Emission Test 30 MHz - 1 GHz
acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: ZB2430-100	Comment: - TX at channel 15 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/09/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

dBµV/m — Limit1: FCC Part 15 — Transducer: VULB 9163



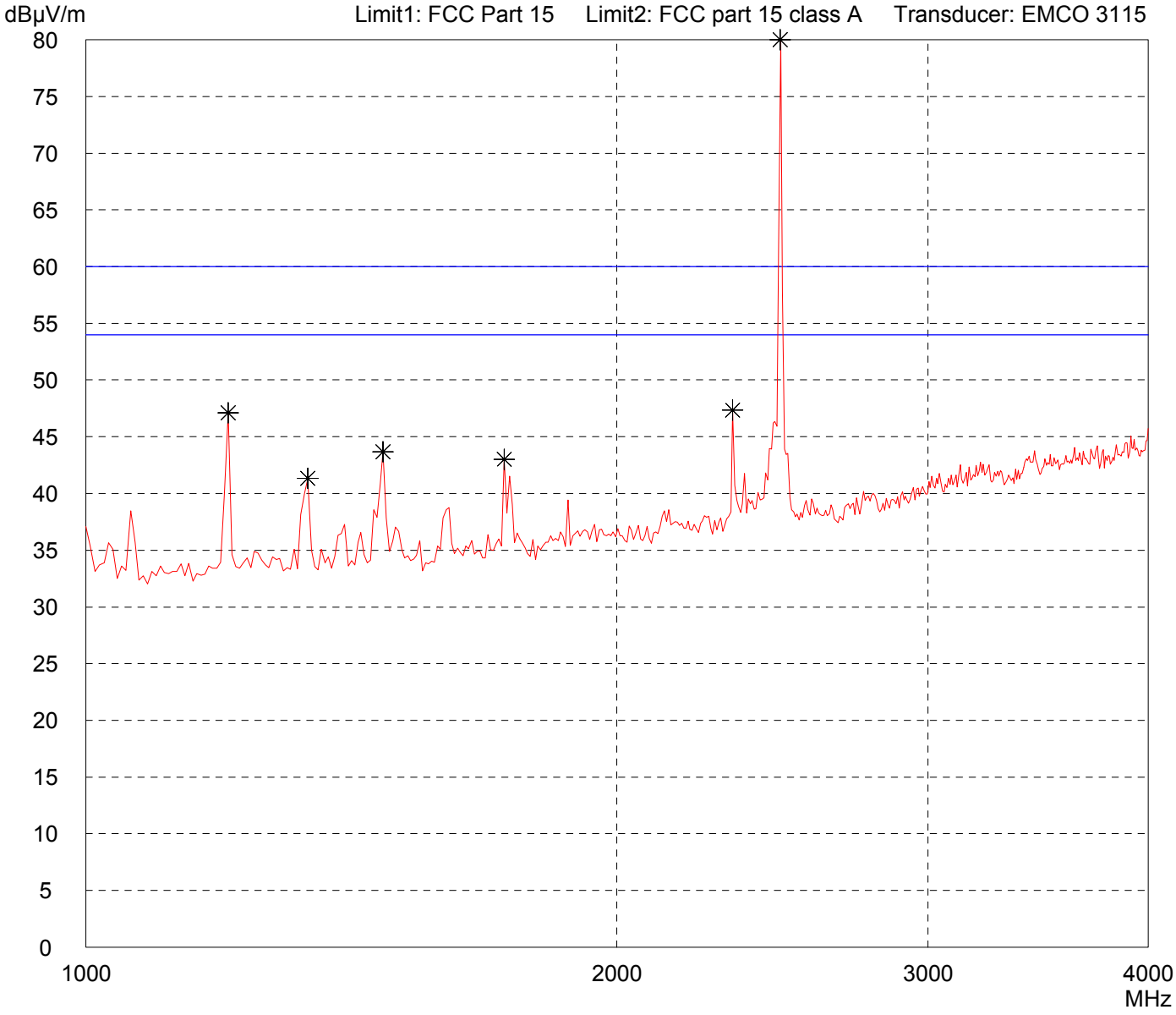
Result: Prescan	Project file: 56109-70012

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 (EMCO 3115)

Model: ZB2430-100	Comment: - TX at channel 15 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

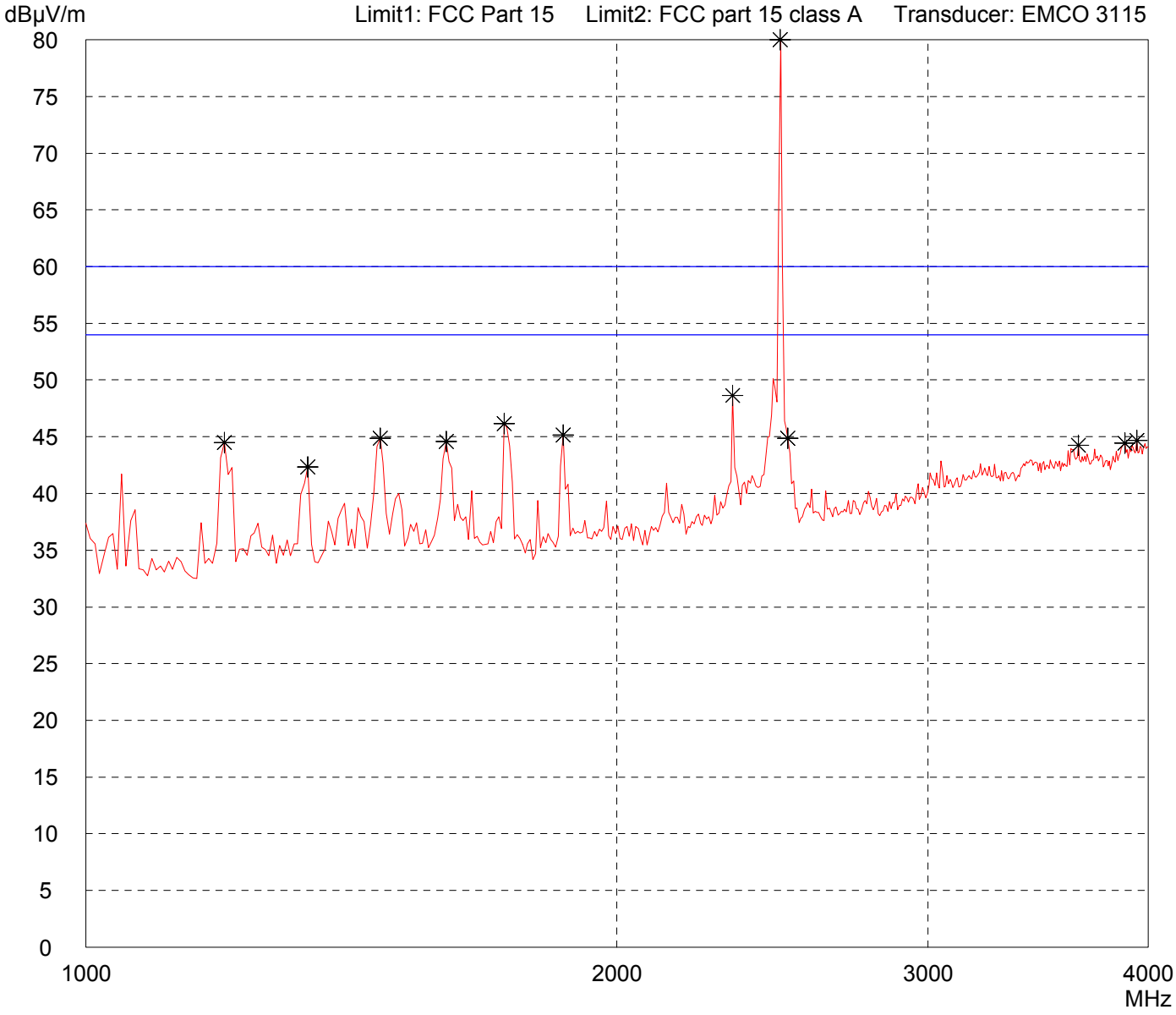


Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 1 GHz - 4 GHz
acc. to FCC Part 15 (EMCO 3115)

Model: ZB2430-100	Comment: - TX at channel 15 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand



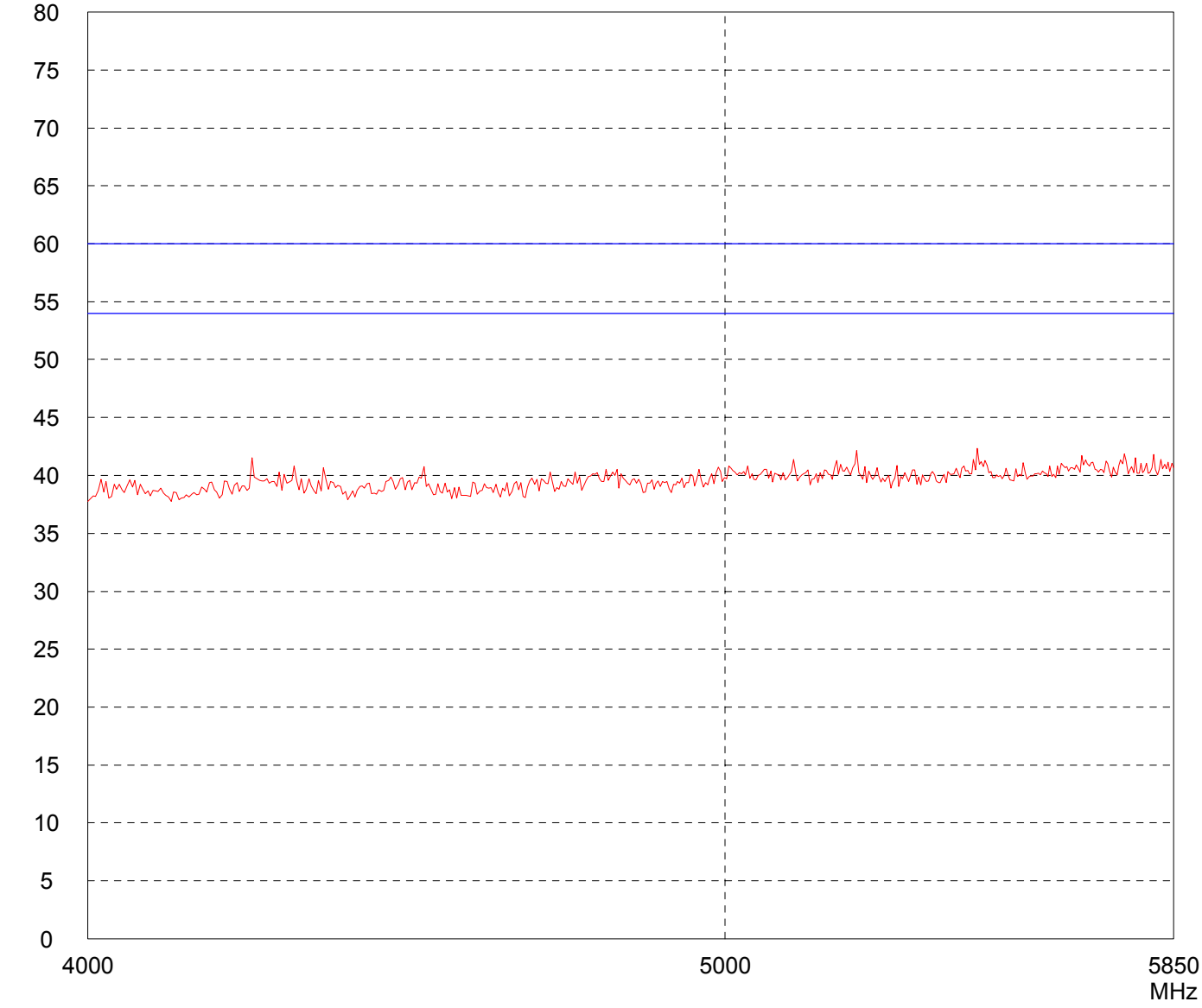
Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 4 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 15 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

dBµV/m Limit1: FCC Part 15 Limit2: FCC part 15 class A Transducer: EMCO 3160

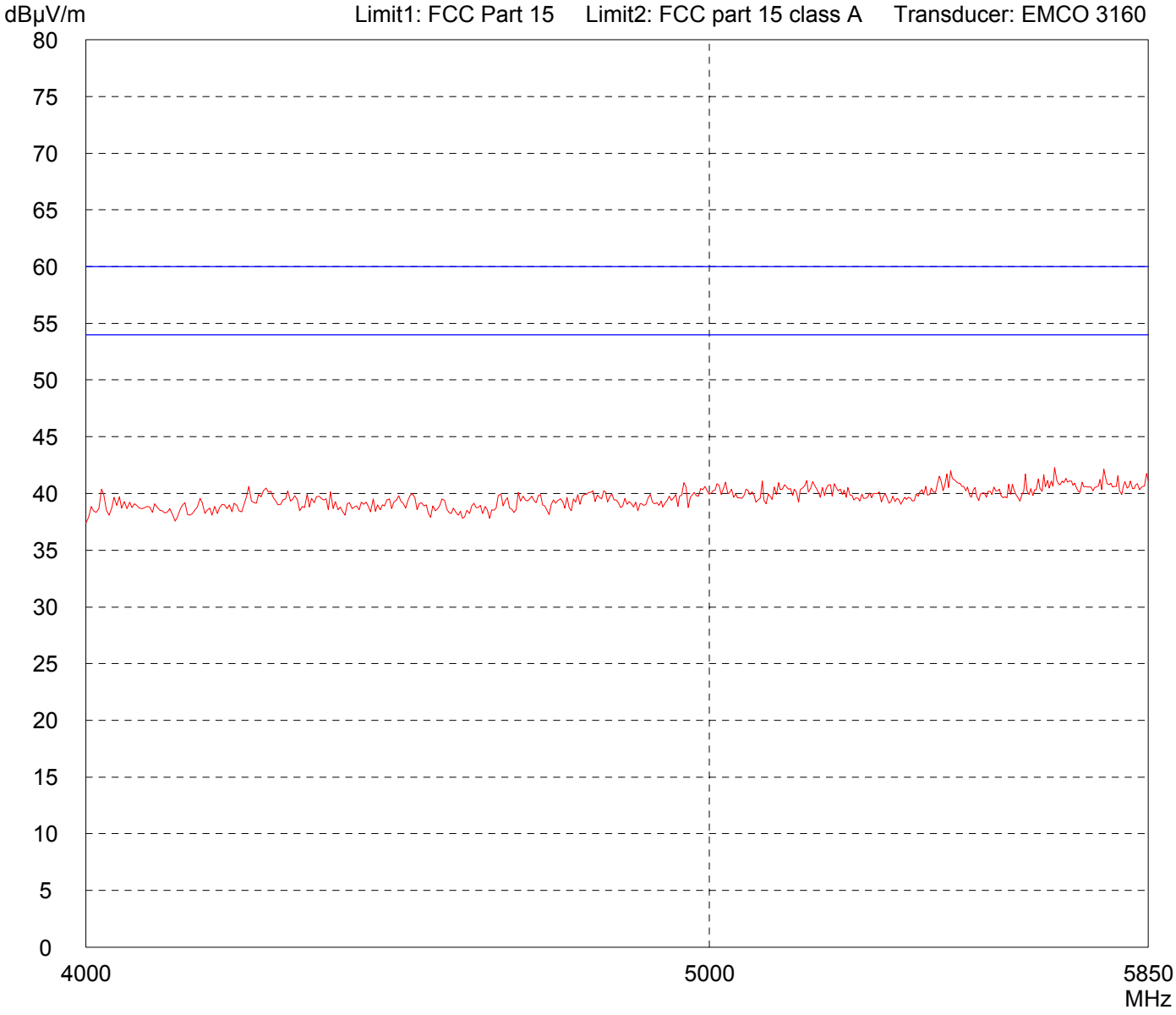


Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 4 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 15 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



Result: Limit kept	Project file: 56109-70012

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

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at Channel 15 -
Serial no.: Unit B with integrated antenna	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 03/10/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

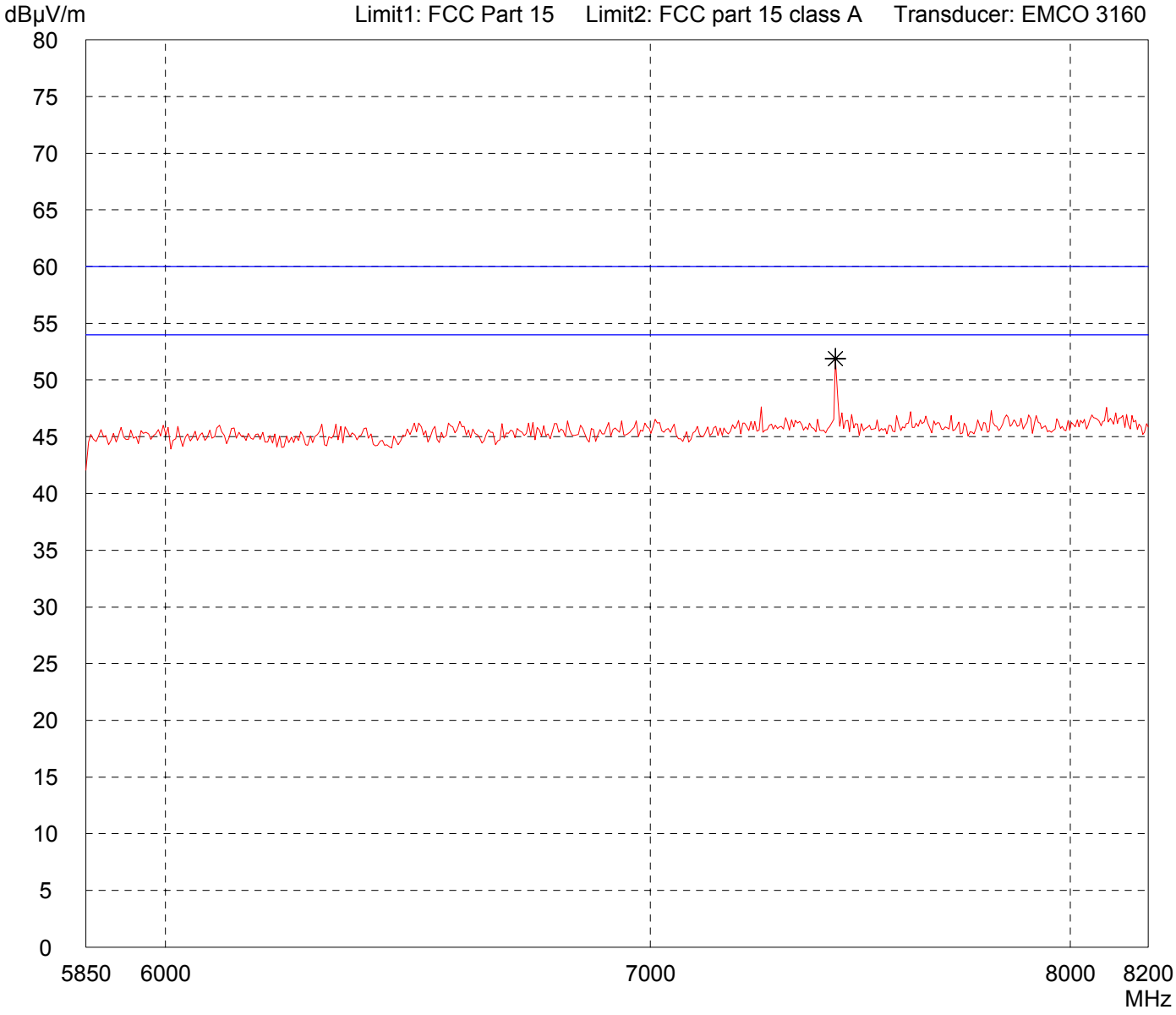
Detector: Peak	List of values: 10 dB Margin / 50 Subranges

Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at Channel 15 -
Serial no.: Unit B with integrated antenna	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 03/10/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

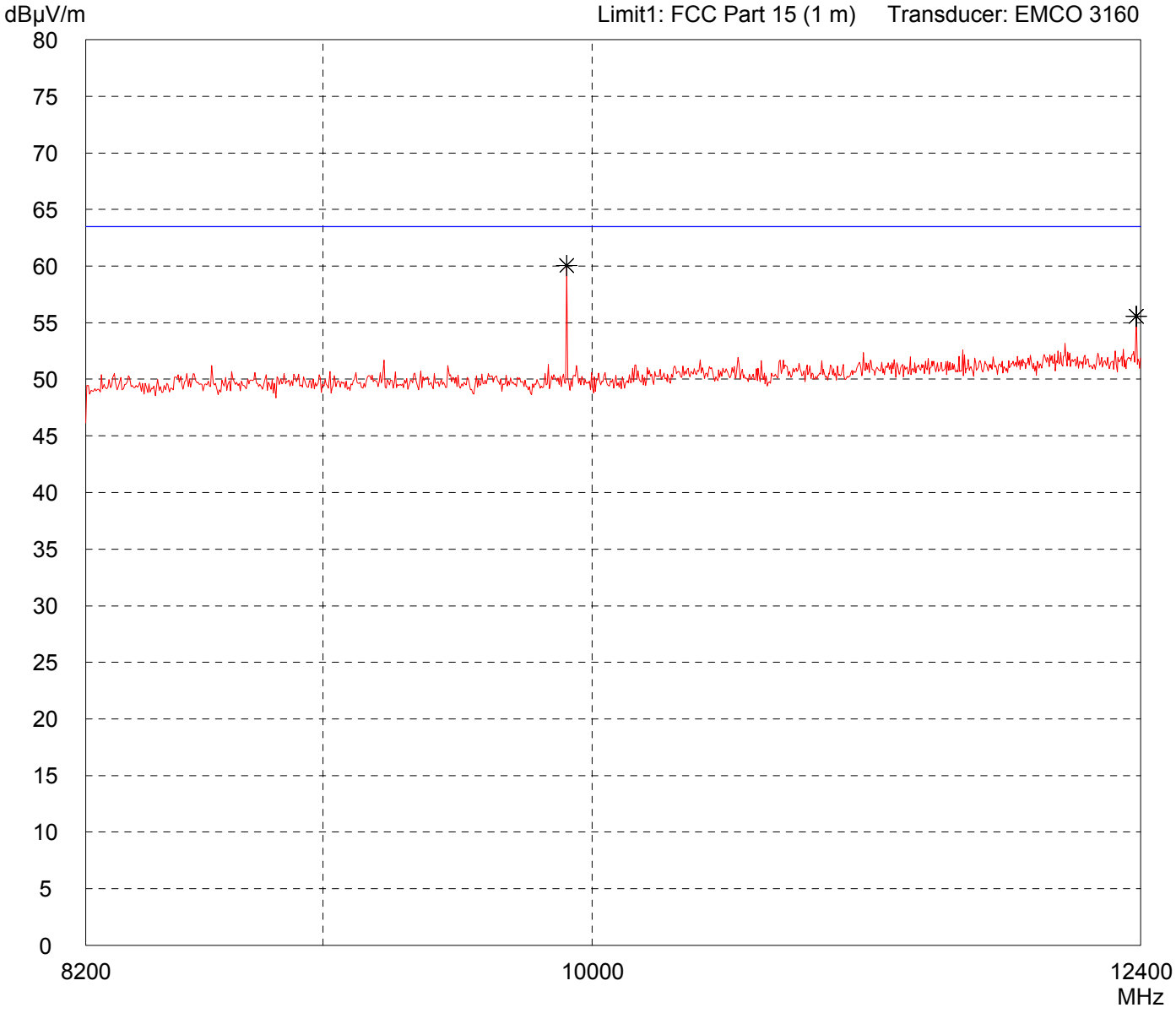


Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 15 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

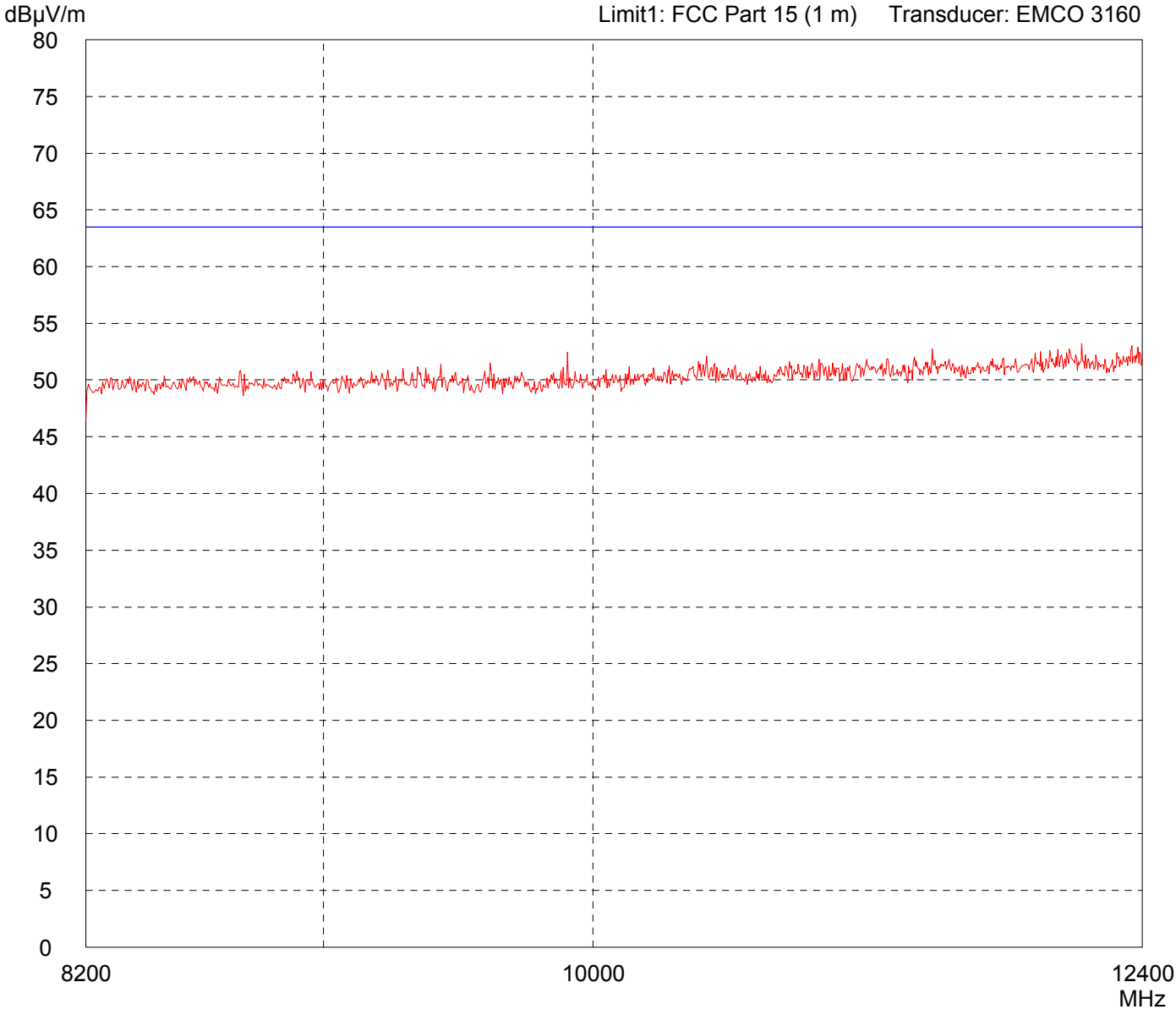


Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 15 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



Result: Limit kept	Project file: 56109-70012

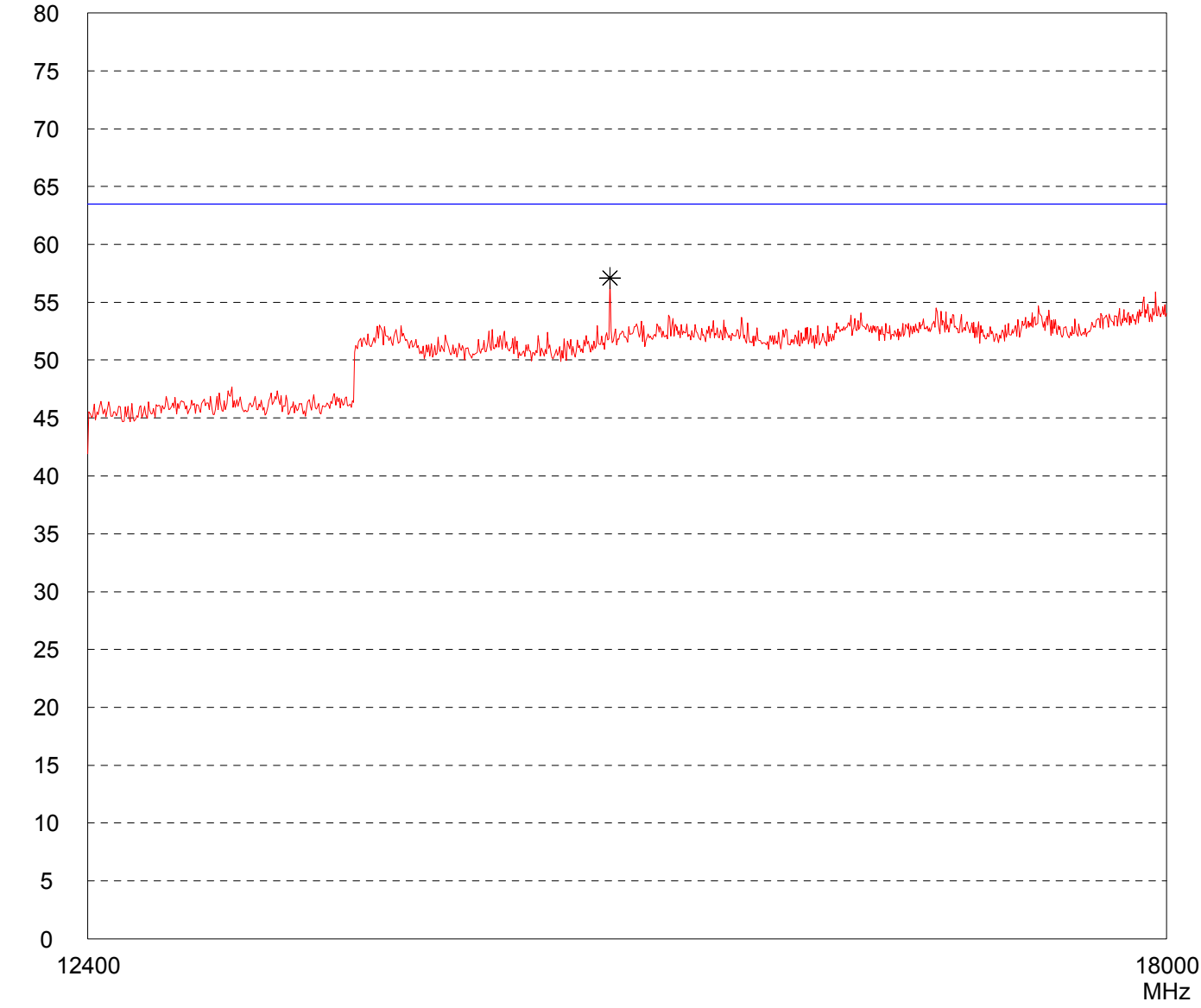
Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 15 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

Limit1: FCC Part 15 (1 m) Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

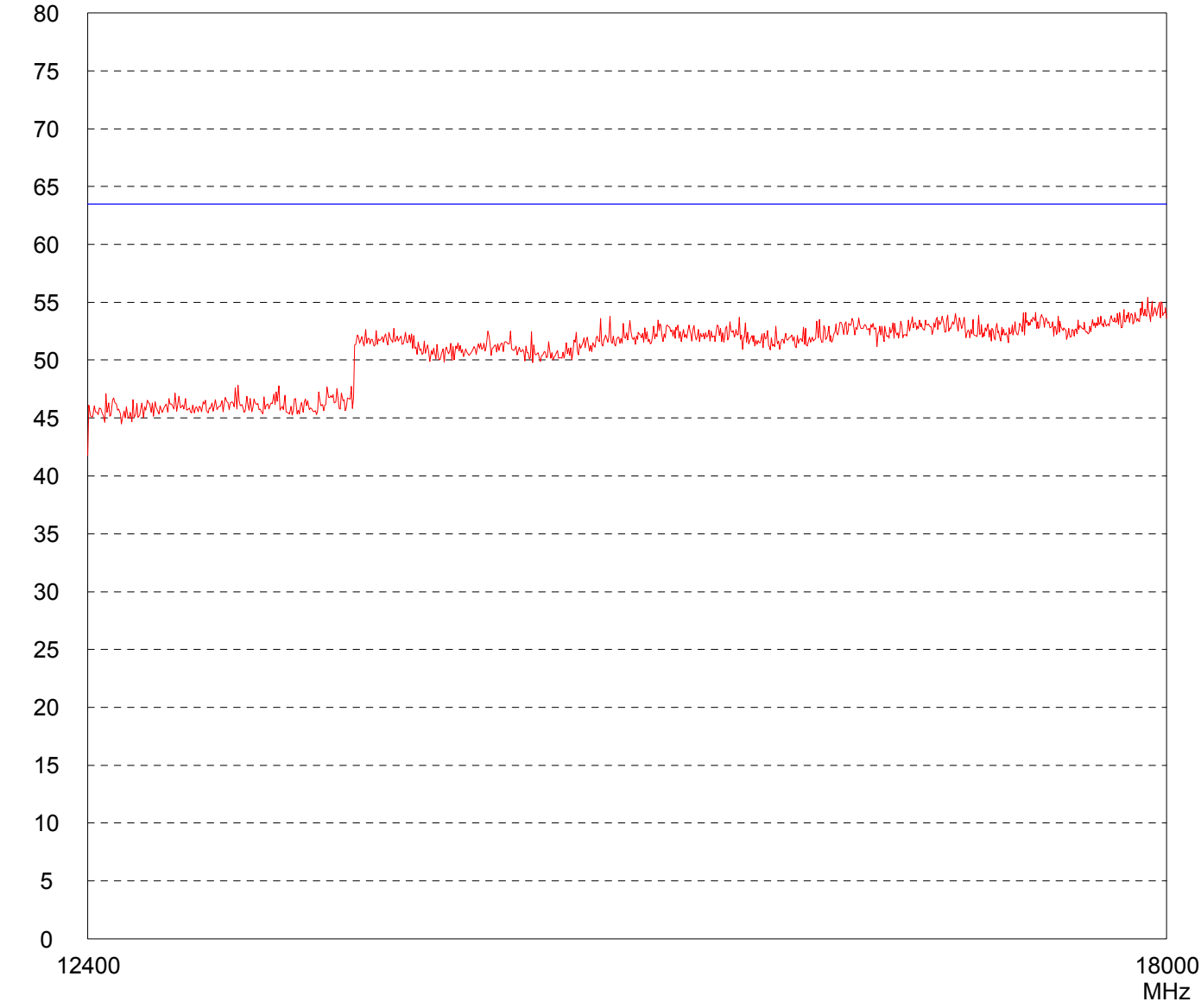
Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at channel 15 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

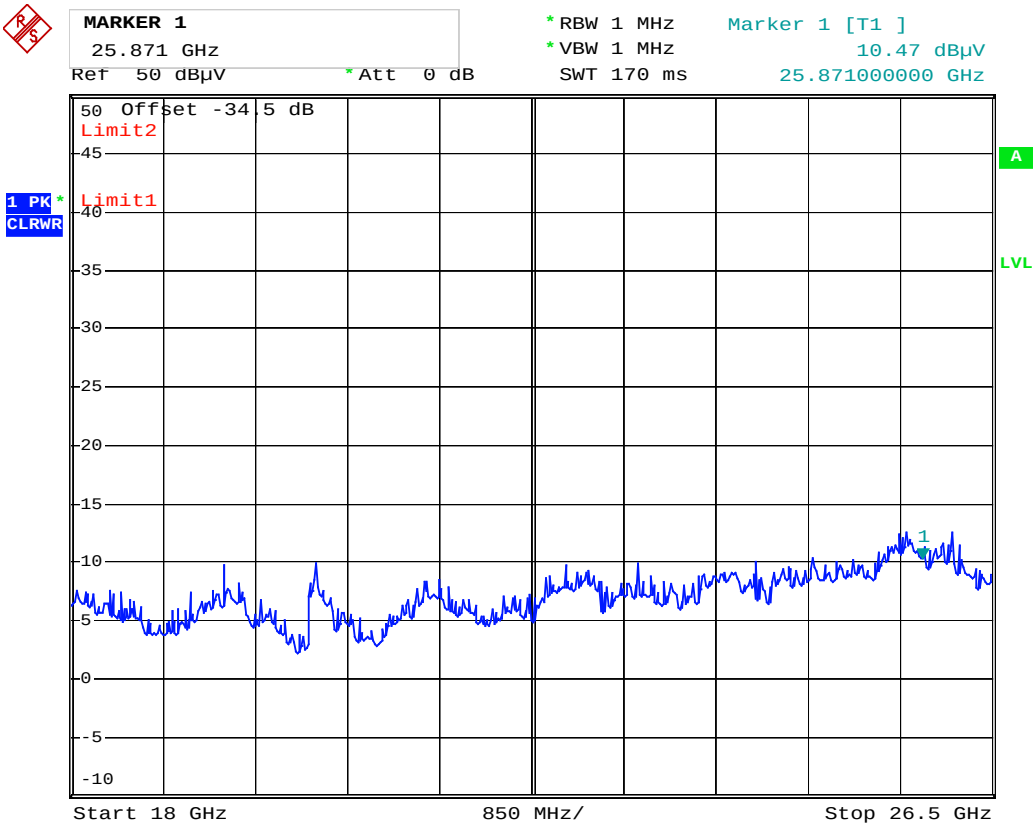
Limit1: FCC Part 15 (1 m) Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 18 GHz – 26.5 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at RF channel 15 -
Serial No. Unit B with integrated Chip Antenna	
Applicant: AEROCOMM, Inc.	
Test Site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 metres Horizontal Polarisation	
Date of Test: 10 March 2007 / Operator: J. Roidt	
Detector: Peak	

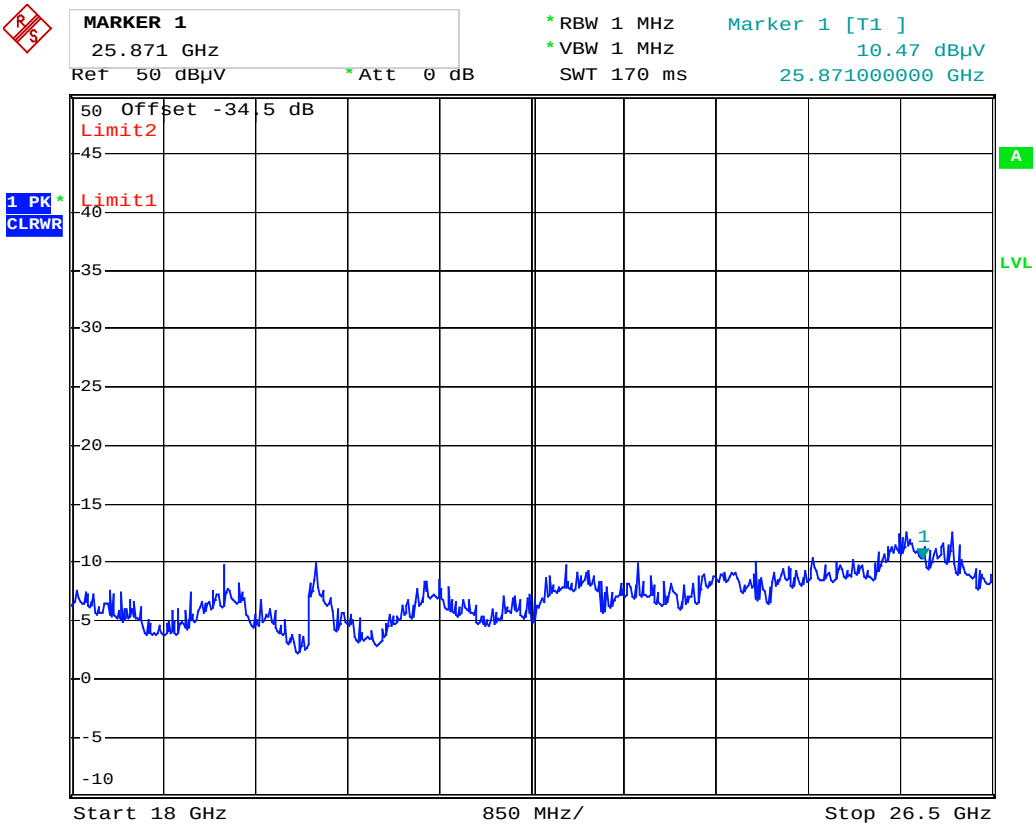


Date: 10.MAR.2007 12:03:41

Result: Pass	Project file: 56409-70012

Radiated Emission Test 18 GHz – 26.5 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - TX at RF channel 15 -
Serial No. Unit B with integrated Chip Antenna	
Applicant: AEROCOMM, Inc.	
Test Site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 metres Vertical Polarisation	
Date of Test: 10 March 2007 / Operator: J. Roidt	
Detector: Peak	



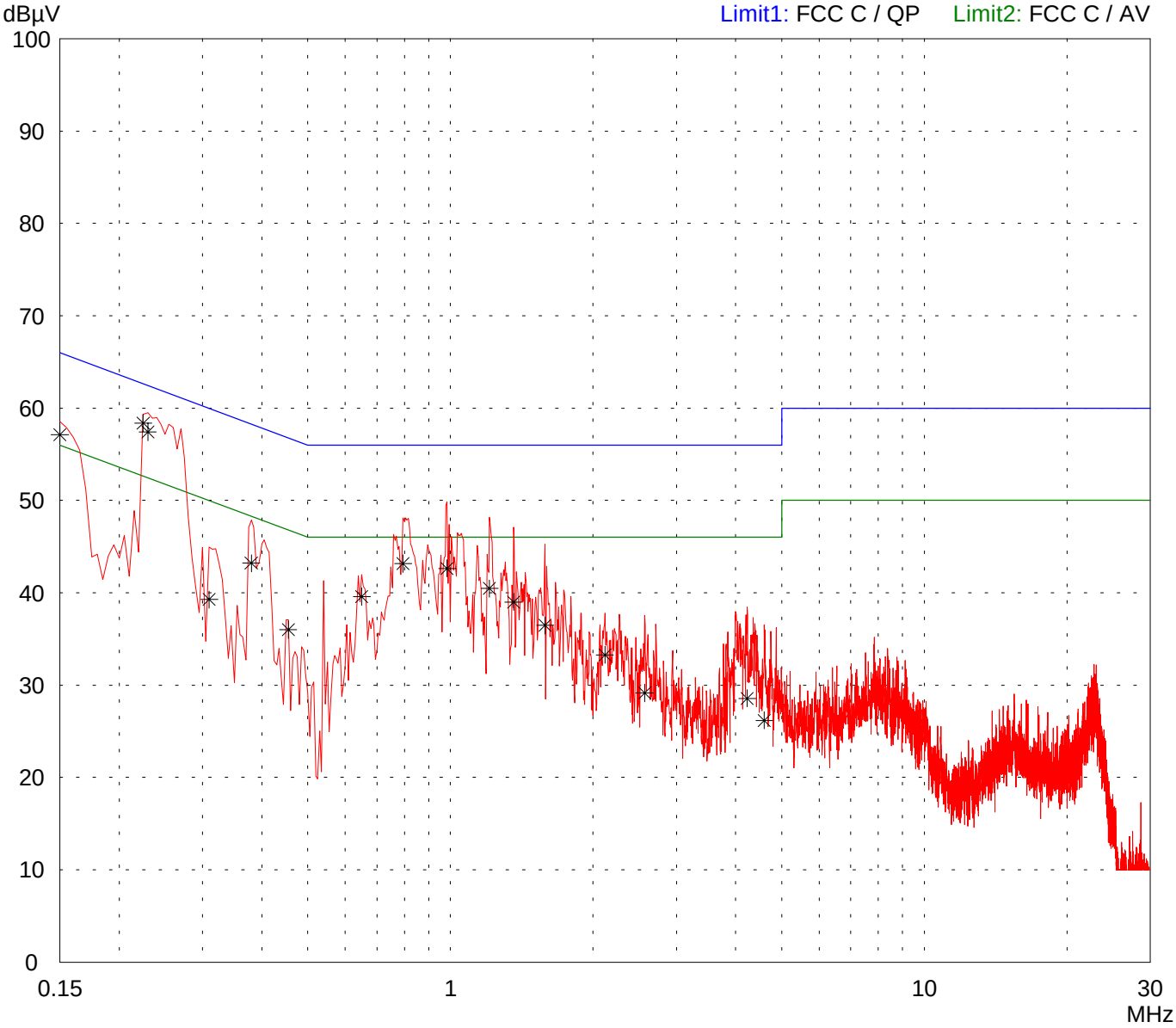
Date: 10.MAR.2007 12:03:41

Result: Pass	Project file: 56409-70012

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

Model: ZB2430-100	Mode: TX mode, Channel 8
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Shielded room, cabin no. 1	
Tested on: Linecord AC Powerline, Live Wire	
Date of test: 02/27/2007 / Operator: J. Roidt	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges

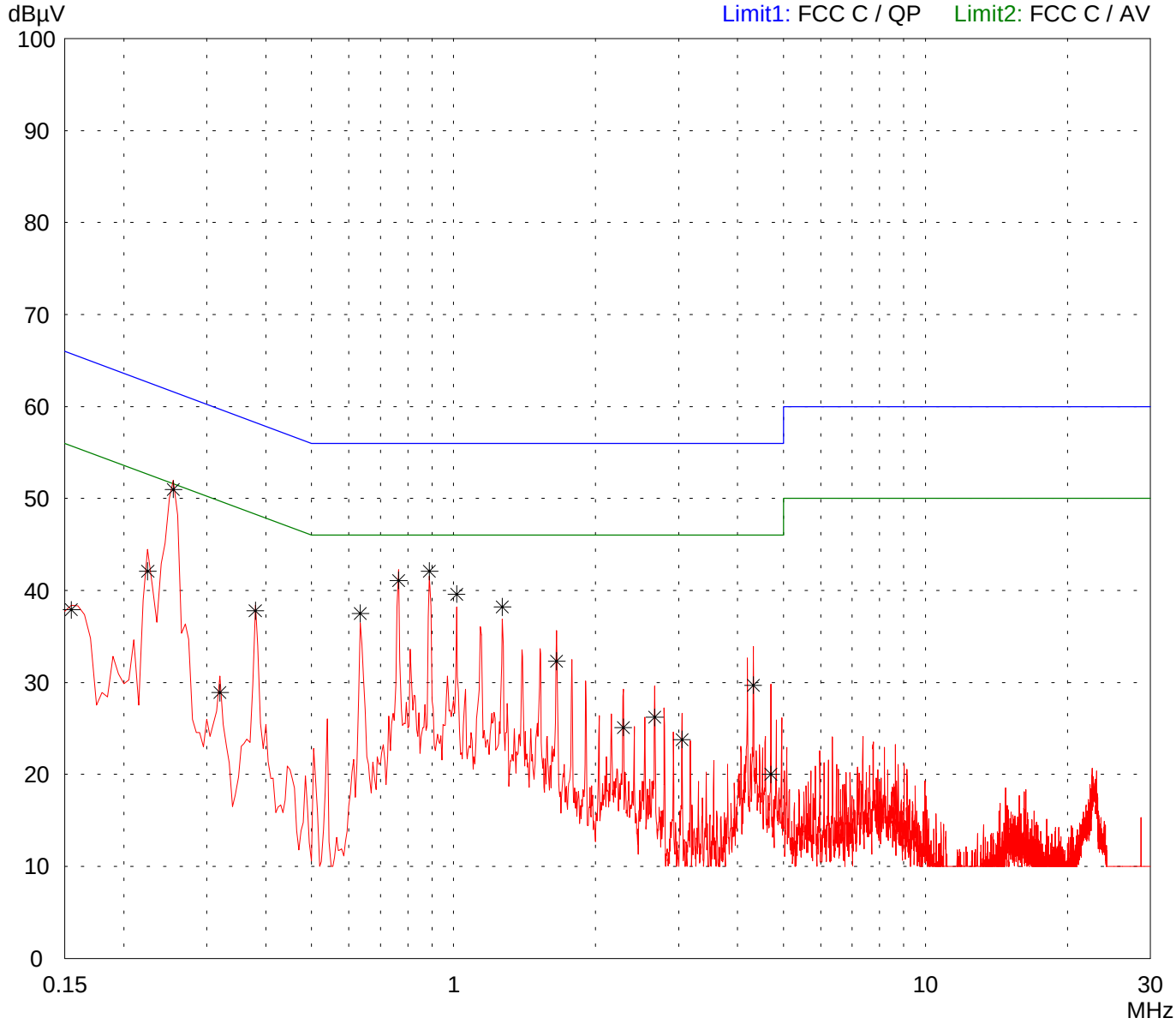


Result: Limit kept	Project file: 56109-070012

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

Model: ZB2430-100	Mode: TX mode, Channel 8
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Shielded room, cabin no. 1	
Tested on: Linecord AC Powerline, Live Wire	
Date of test: 02/27/2007 / Operator: J. Roidt	
Test performed: automatically / File name:	

Detector: Average / Final Results: AV	Final results: 20 dB Margin 25 Subranges

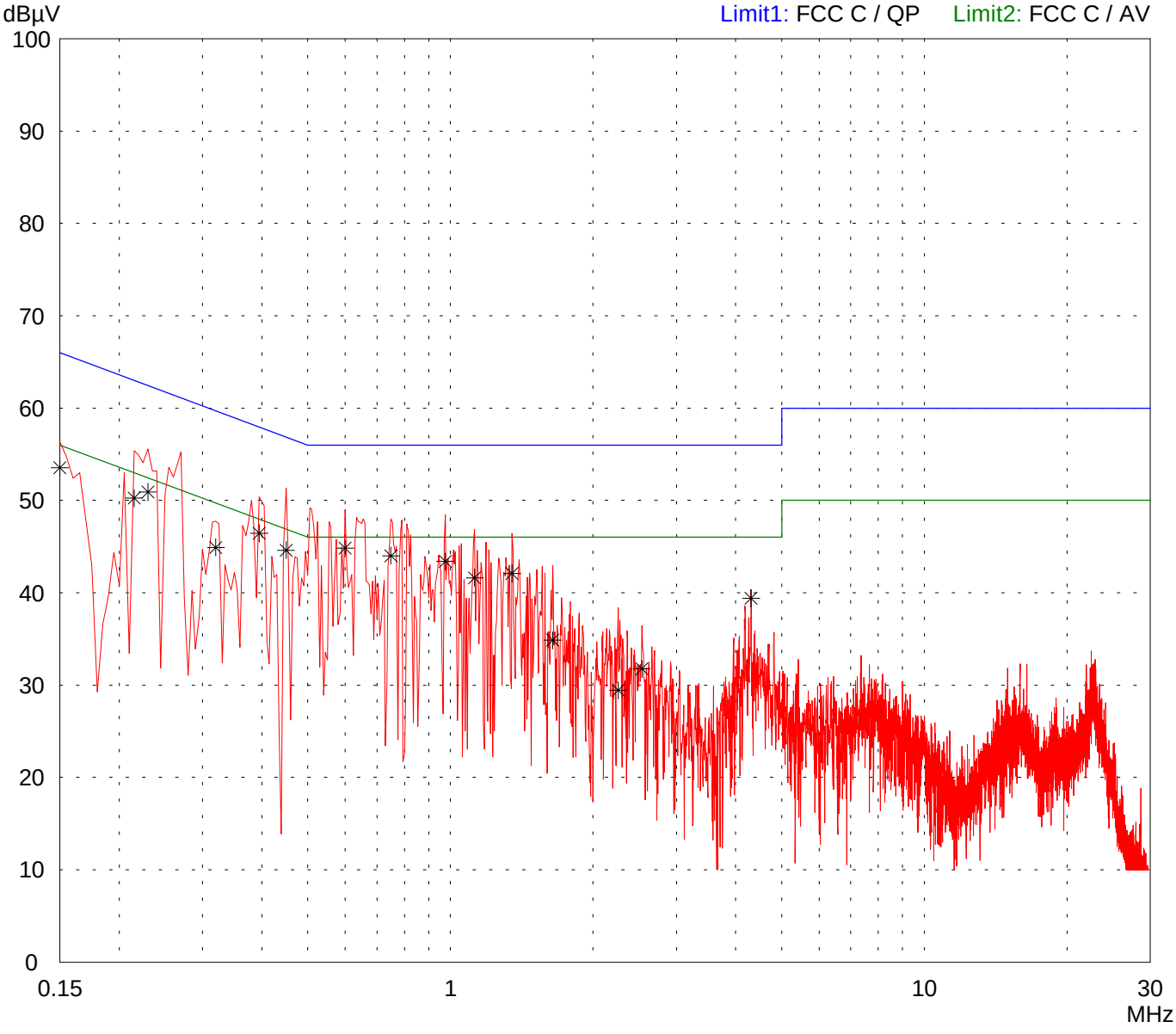


Result: Limit kept	Project file: 56109-070012

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

Model: ZB2430-100	Mode: TX mode, Channel 8
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Shielded room, cabin no. 1	
Tested on: Linecord AC Powerline, Neutral Wire	
Date of test: 02/27/2007 / Operator: J. Roidt	
Test performed: automatically / File name:	

Detector: Peak / Final Results: QP	Final results: 20 dB Margin 25 Subranges

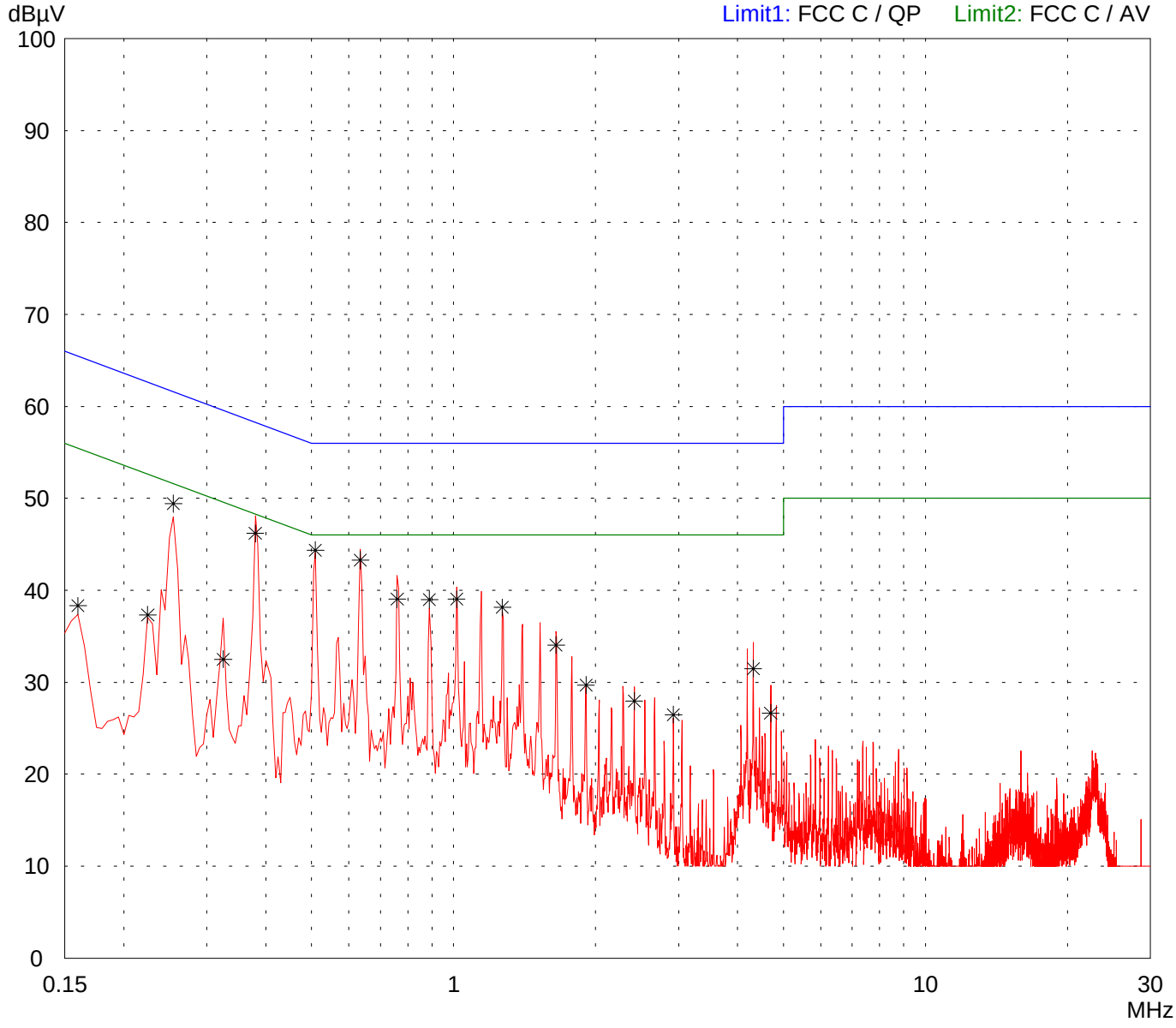


Result: Limit kept	Project file: 56109-070012

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

Model: ZB2430-100	Mode: TX mode, Channel 8
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Shielded room, cabin no. 1	
Tested on: Linecord AC Powerline, Neutral Wire	
Date of test: 02/27/2007 / Operator: J. Roidt	
Test performed: automatically / File name:	

Detector: Average / Final Results: AV	Final results: 20 dB Margin 25 Subranges



Result: Limit kept	Project file: 56109-070012

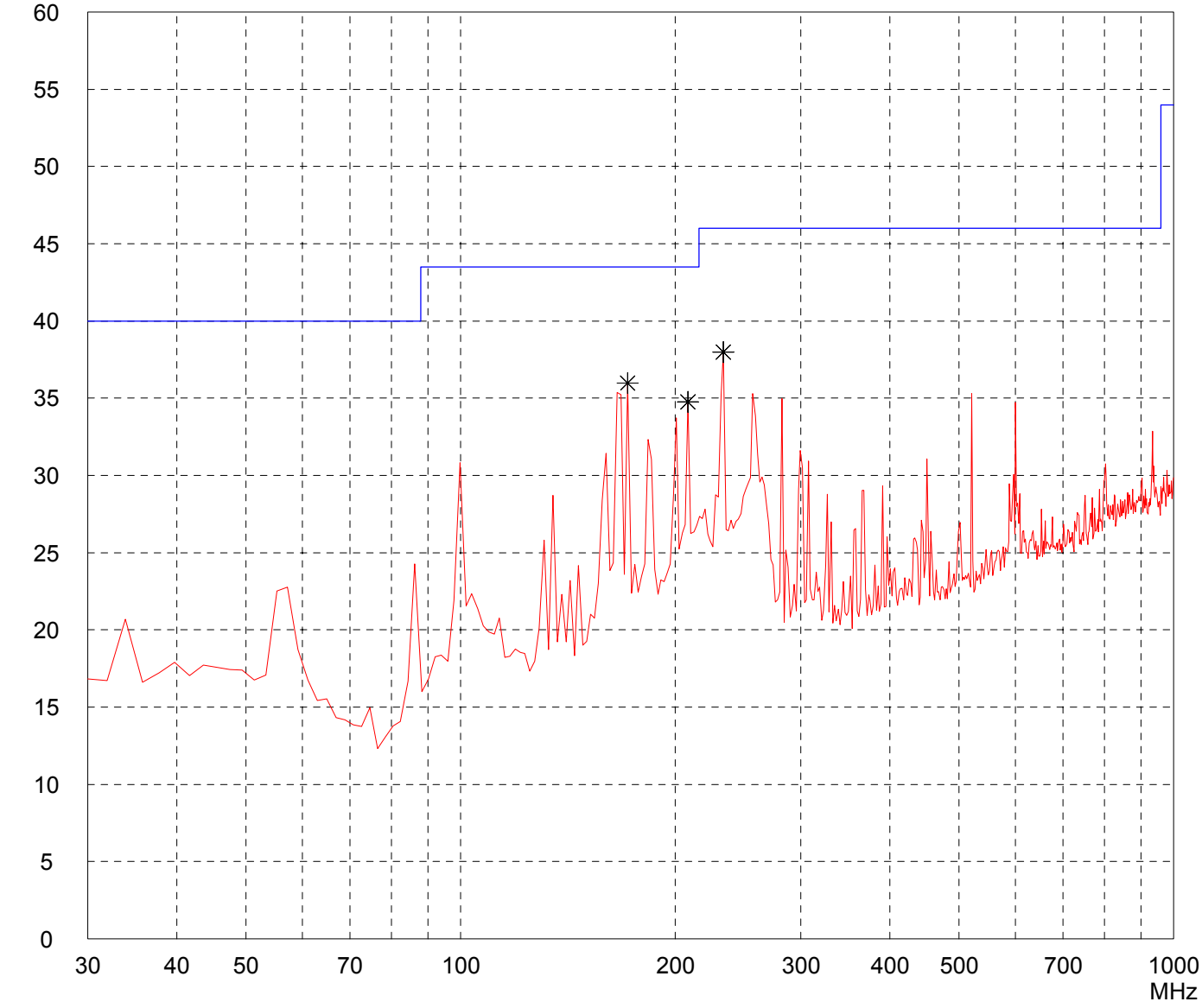
Messung der Funkstörfeldstärke 30 MHz - 1 GHz
nach FCC Part 15 (Fully Anechoic Chamber)

Modell: ZB2430-100	Kommentar:
Geräte-Nr.: Unit A	- RX at channel 01
Auftraggeber: AEROCOMM, Inc.	- Dipole antenna 5 dBi
Meßplatz: Absorberhalle (FAR), Kabine 2	
Meßbezug: Meßentfernung 3 Meter Horizontale Polarisation	
Prüfdatum: 22.01.2007 / Prüfer: J. Roidt	
Durchführung: automatisch / Dateiname: default.emi	

Detektor: Spitzenwert	Meßwertliste: 10 dB Abstand 50 Unterbereiche

dBµV/m

Limit1: FCC Part 15 Transducer: VULB 9163

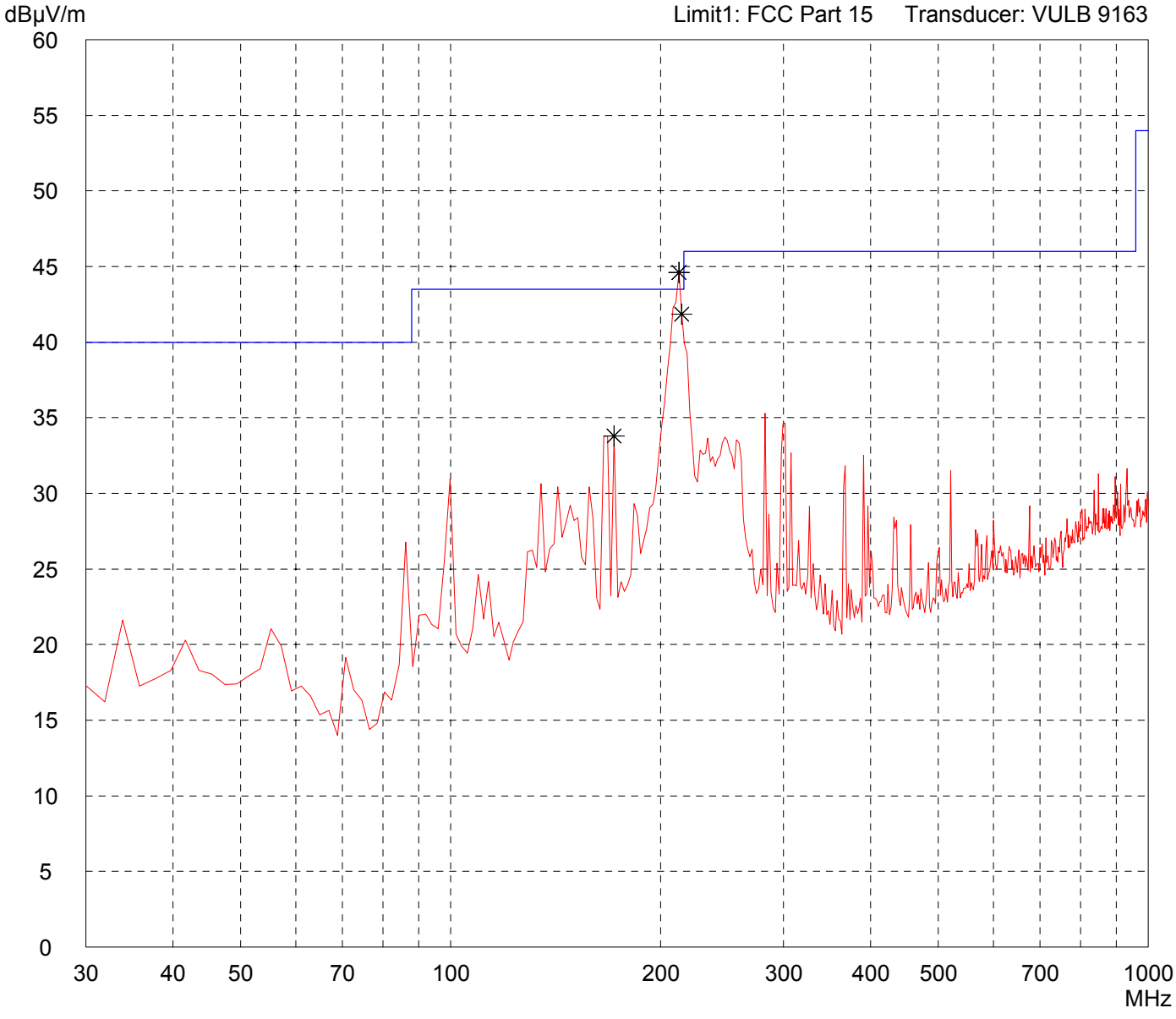


Beurteilung:	Projekt-Nr.: 56409-70012

Radiated Emission Test 30 MHz - 1 GHz
acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: ZB2430-100	Comment: - RX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/22/2007 — Operator: J. Roidt	
Test performed: automatically — File name: default.emi	

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

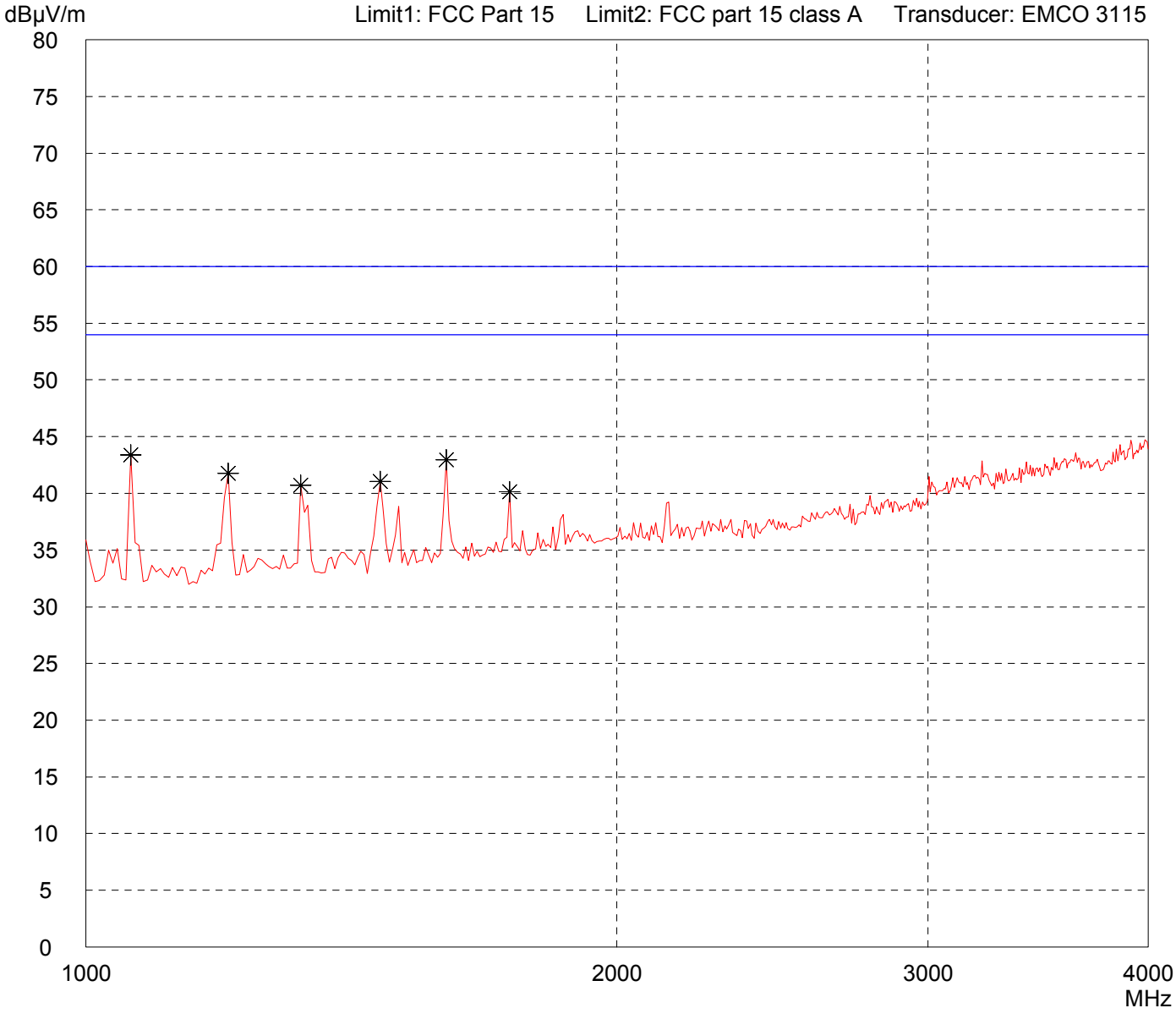


Result: Prescan	Project file: 56409-70012

Radiated Emission Test 1 GHz - 4 GHz
acc. to FCC Part 15 (EMCO 3115)

Model: ZB2430-100	Comment: - RX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/19/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

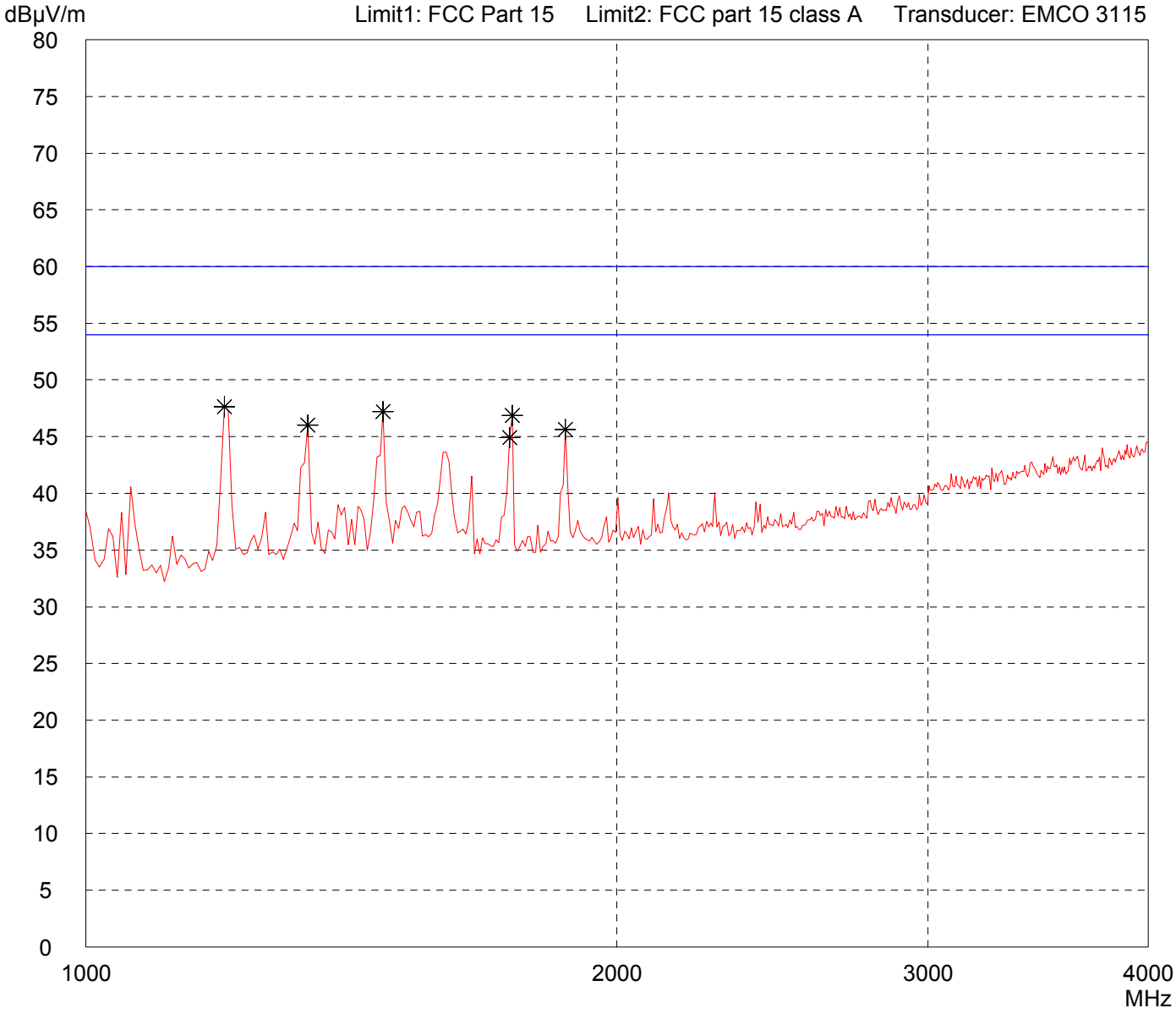


Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 1 GHz - 4 GHz
acc. to FCC Part 15 (EMCO 3115)

Model: ZB2430-100	Comment: - RX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/19/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

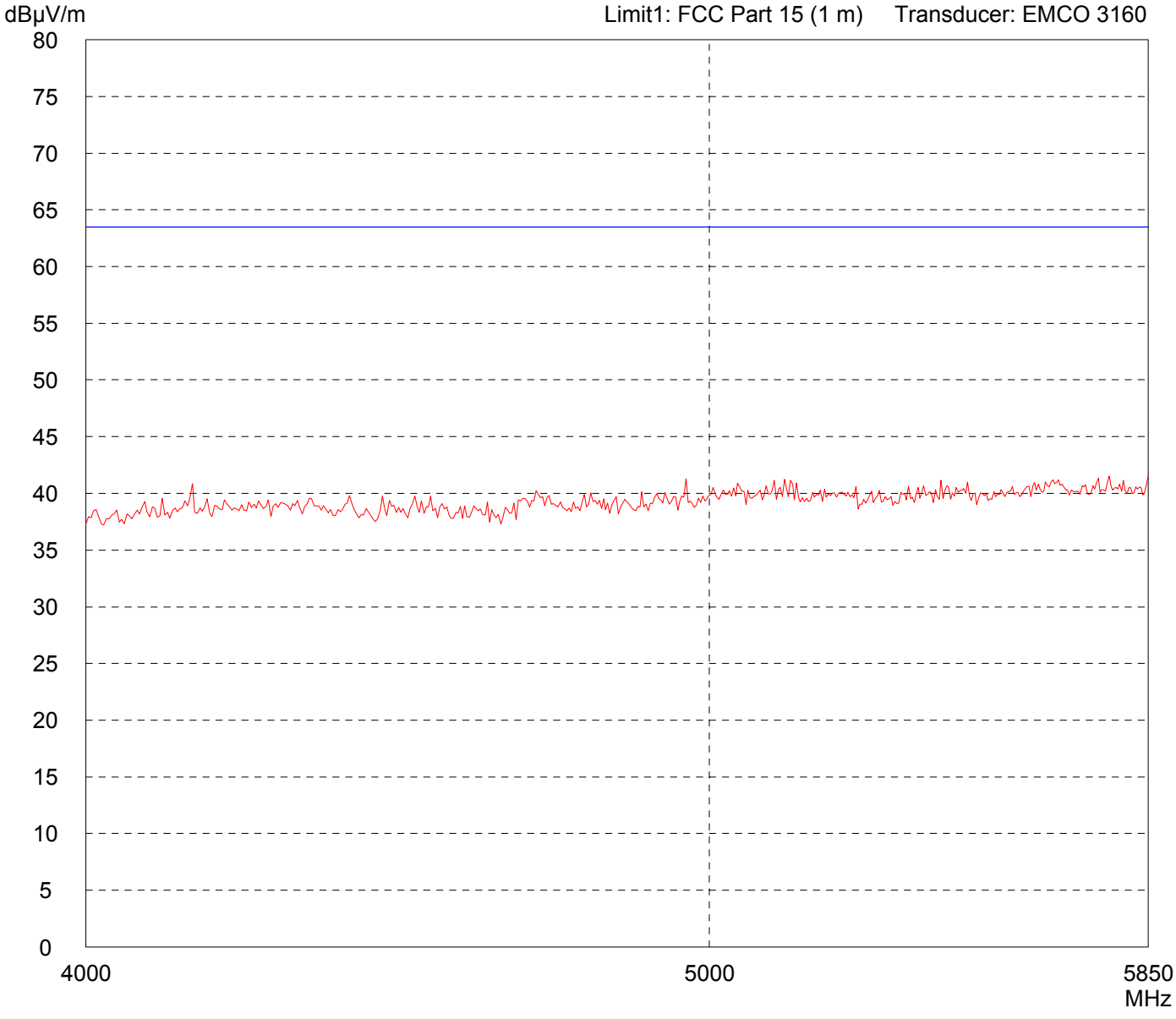


Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 4 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/19/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



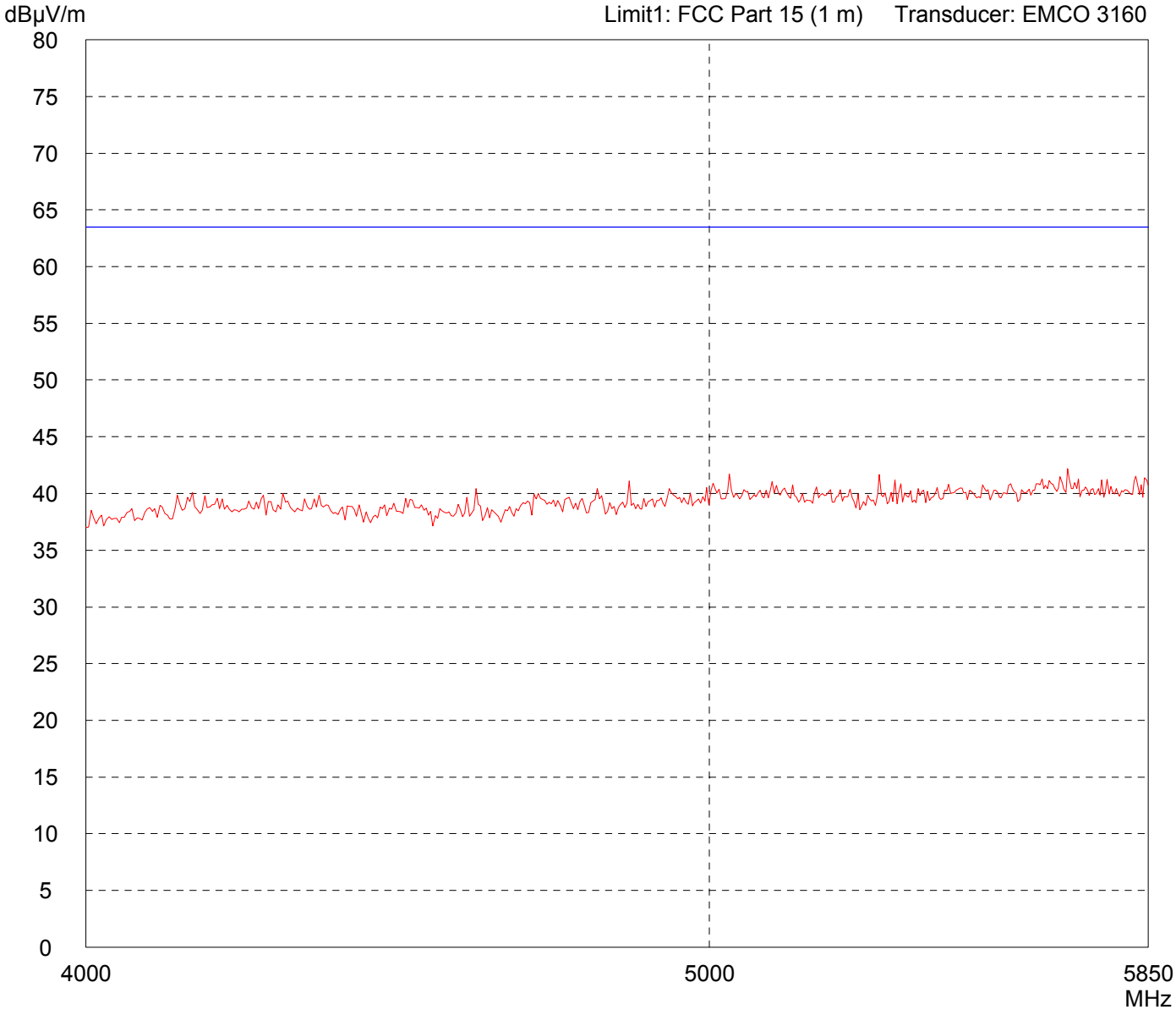
Result: Limit kept	Project file: 56409-70012

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

Radiated Emission Test 4 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/19/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



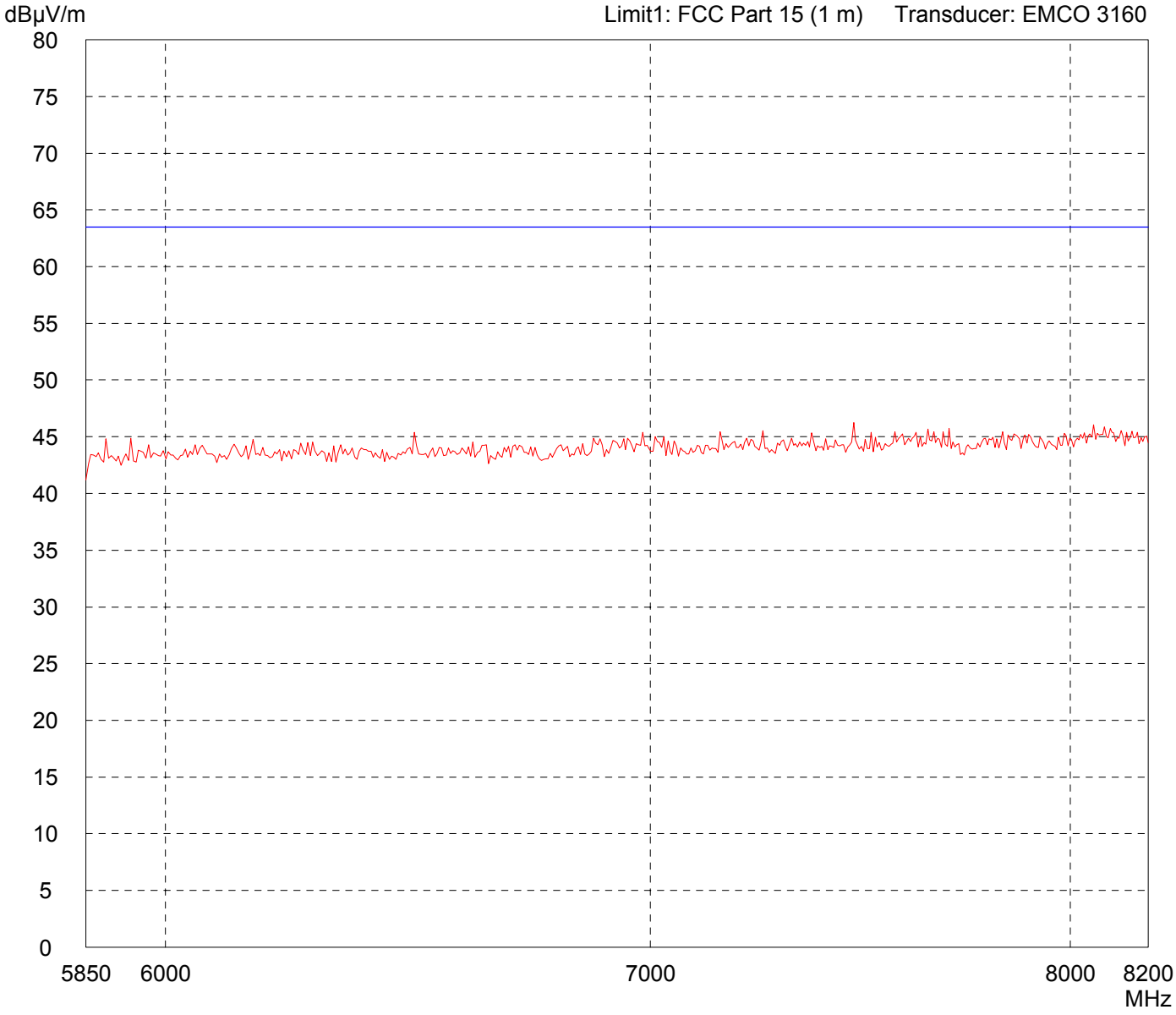
Result: Limit kept	Project file: 56409-70012

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

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/19/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

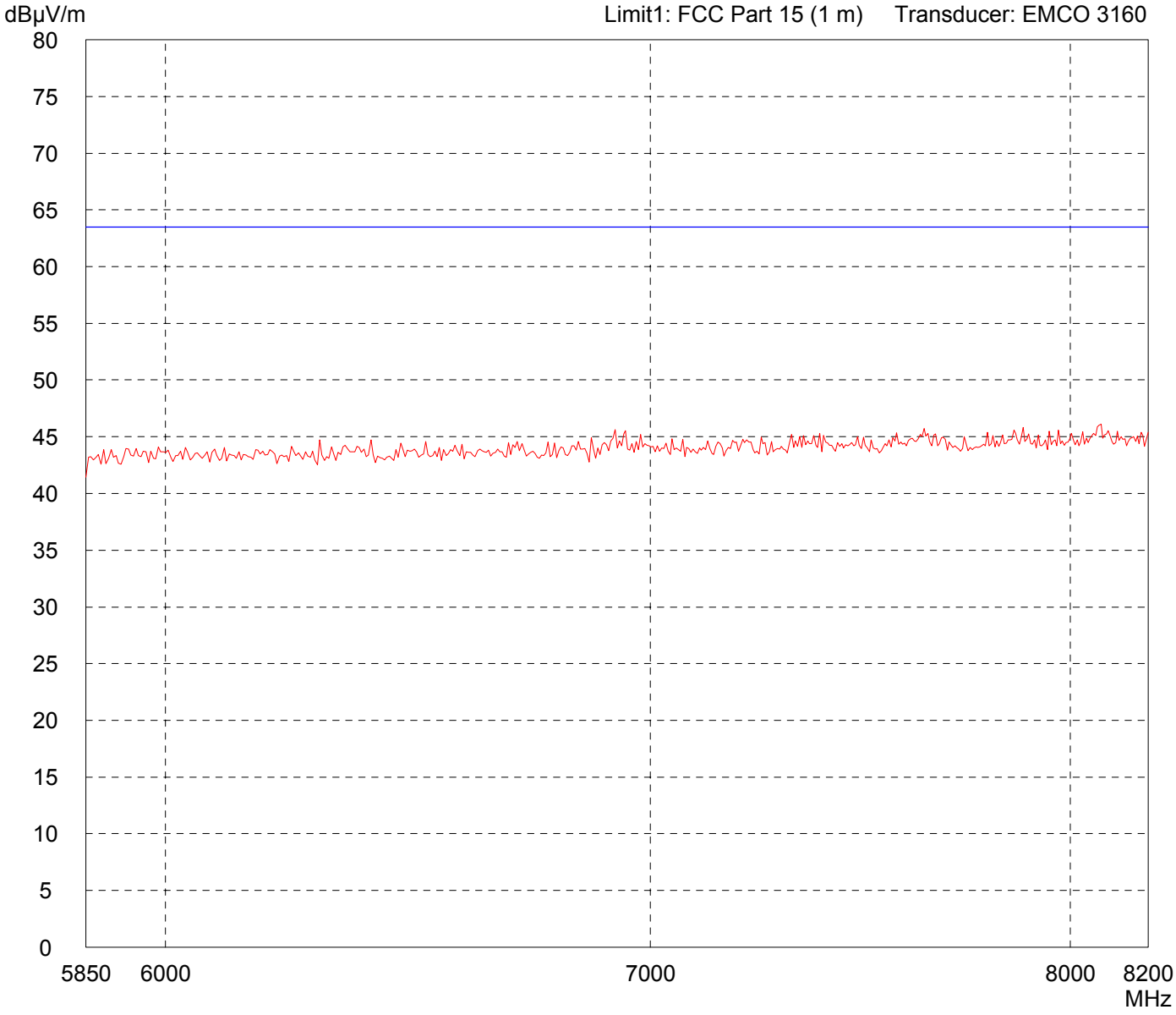


Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/19/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



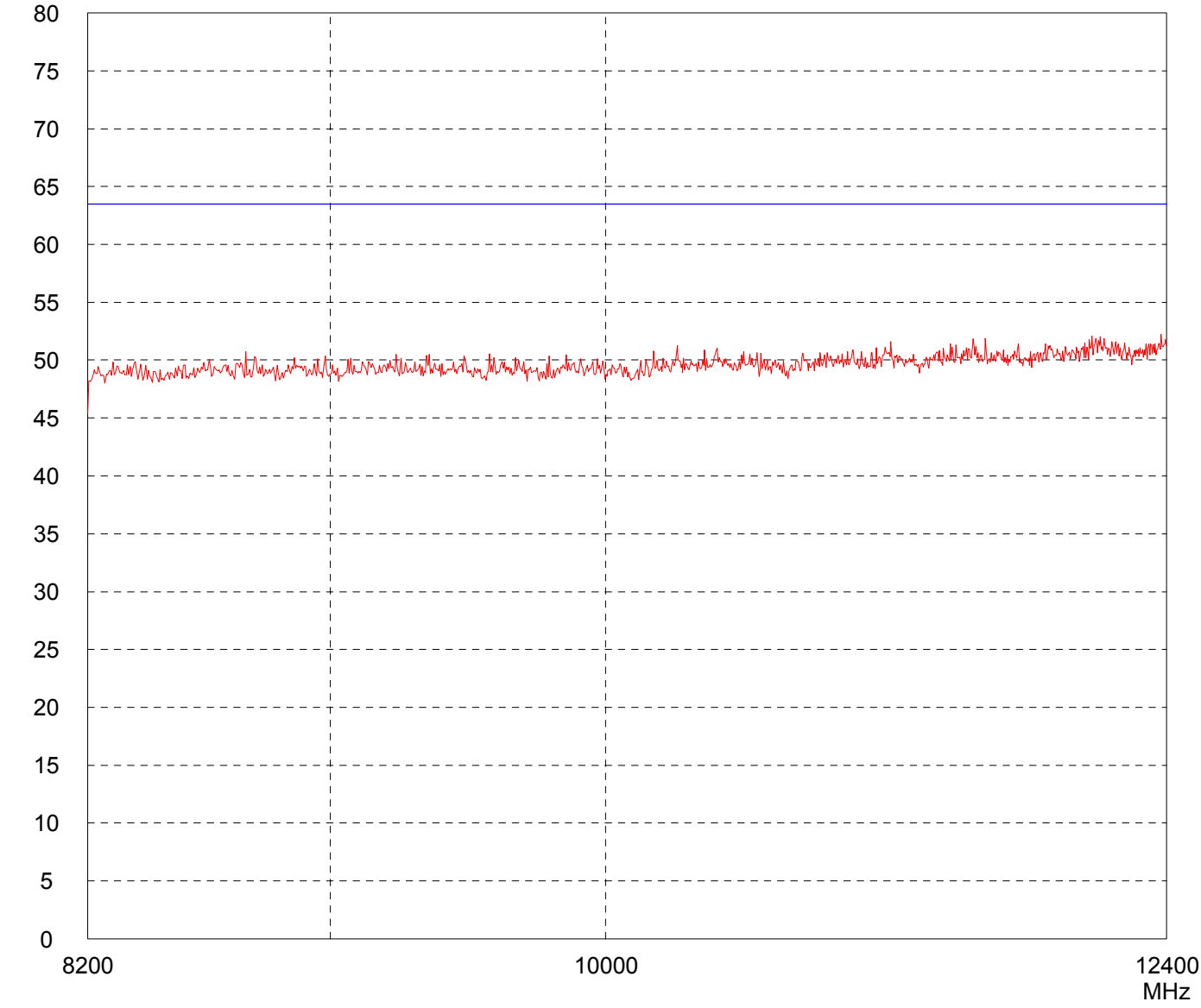
Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/19/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

dBµV/m — Limit1: FCC Part 15 (1 m) — Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

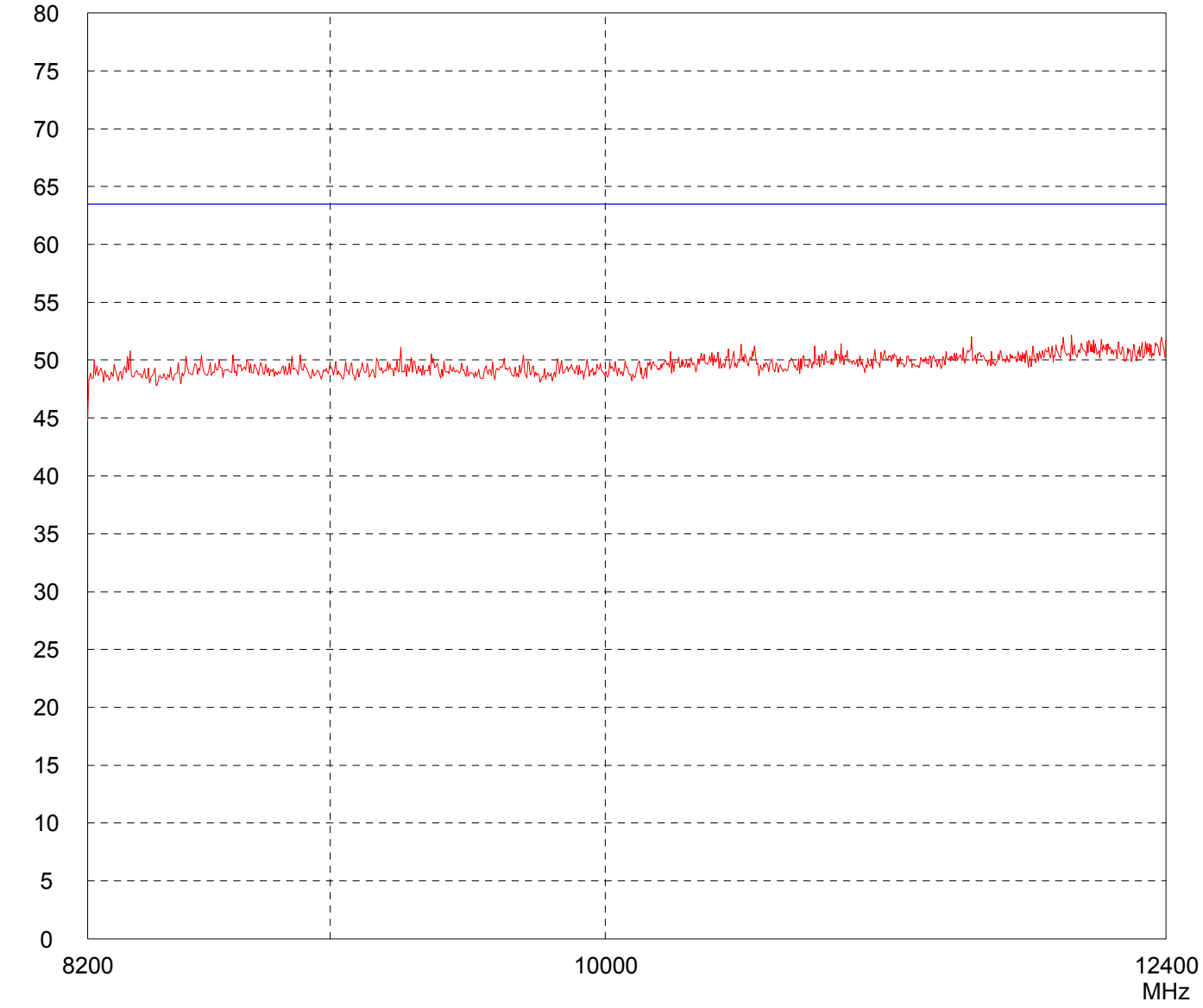
Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/19/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

dBµV/m

Limit1: FCC Part 15 (1 m) Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

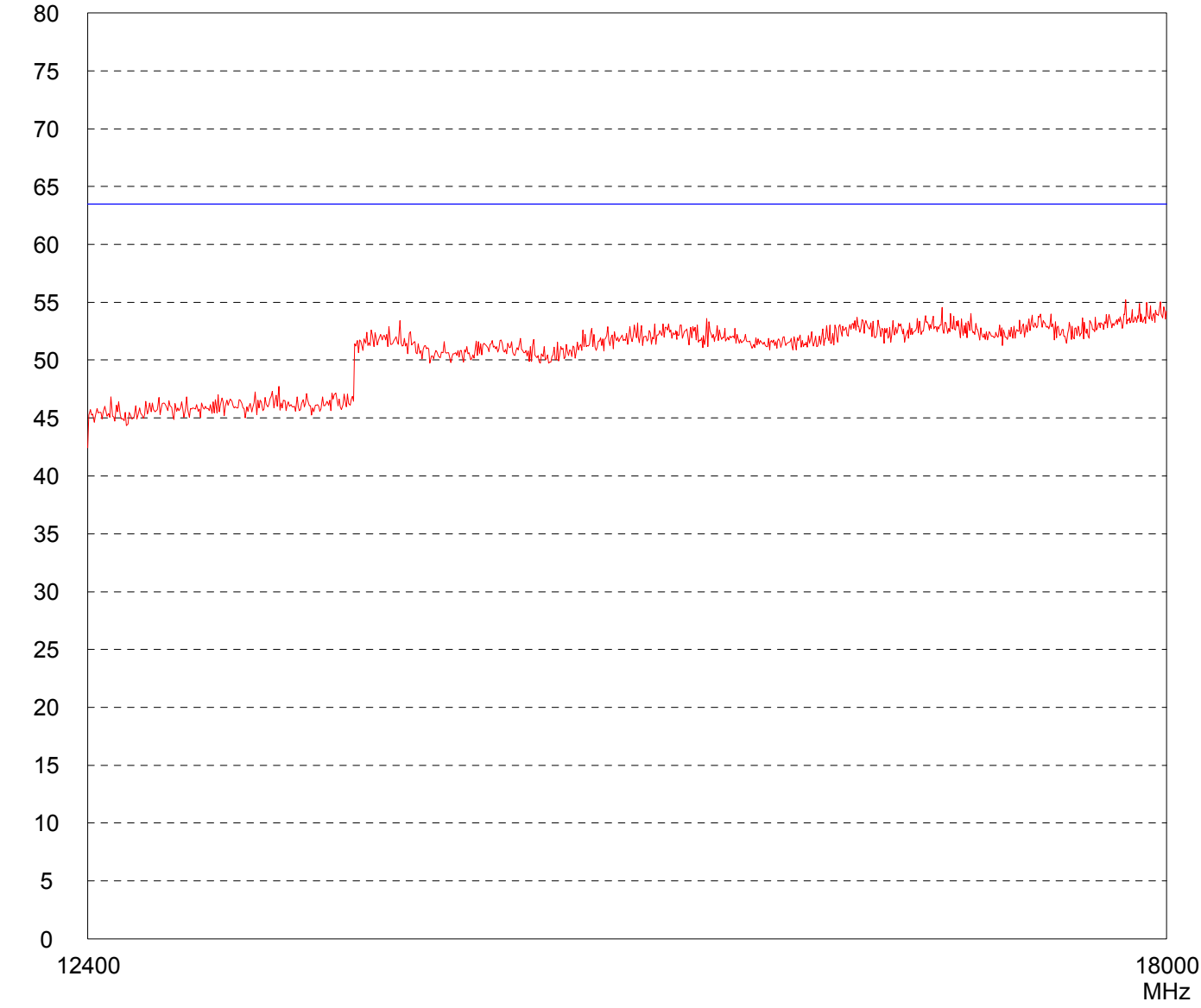
Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/19/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

Limit1: FCC Part 15 (1 m) Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

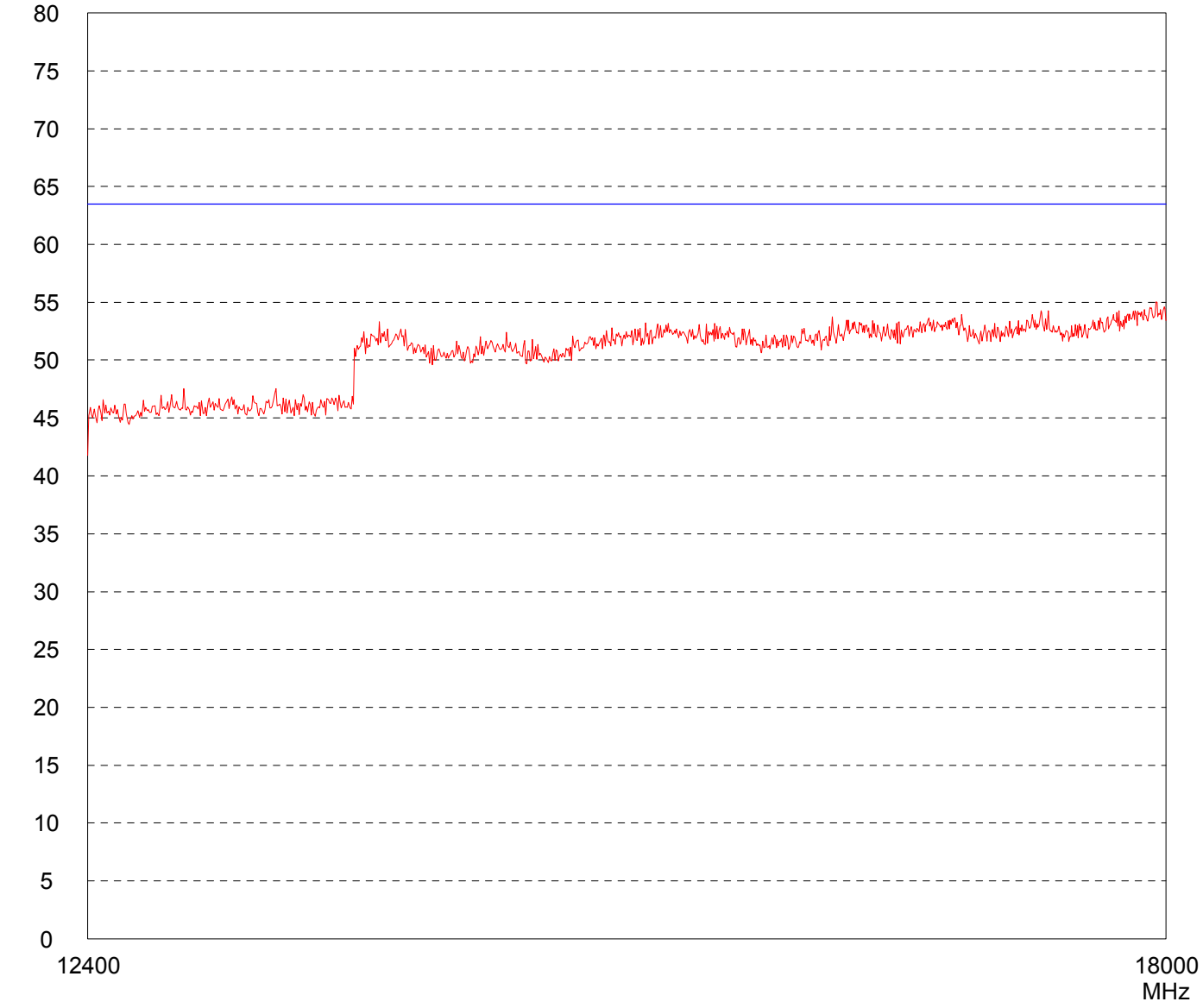
Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 01 - Dipole antenna 5 dBi
Serial no.: Unit A	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/19/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

Limit1: FCC Part 15 (1 m) Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 30 MHz - 1 GHz
acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: ZB2430-100	Comment: - TX at channel 1 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

dBµV/m — Limit1: FCC Part 15 — Transducer: VULB 9163

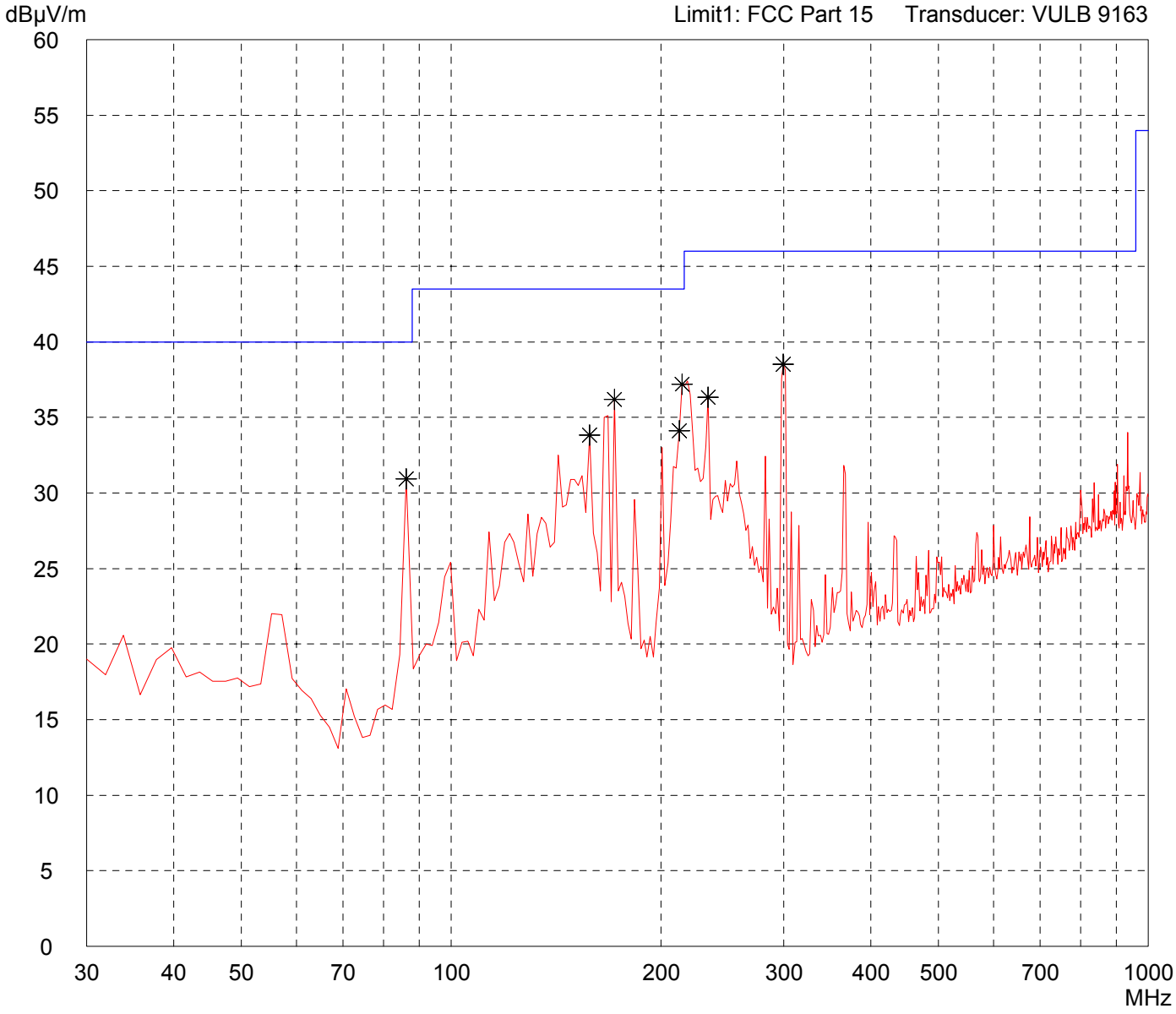
Result: Prescan	Project file: 56109-70012

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

Radiated Emission Test 30 MHz - 1 GHz
acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: ZB2430-100	Comment: - TX at channel 1 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

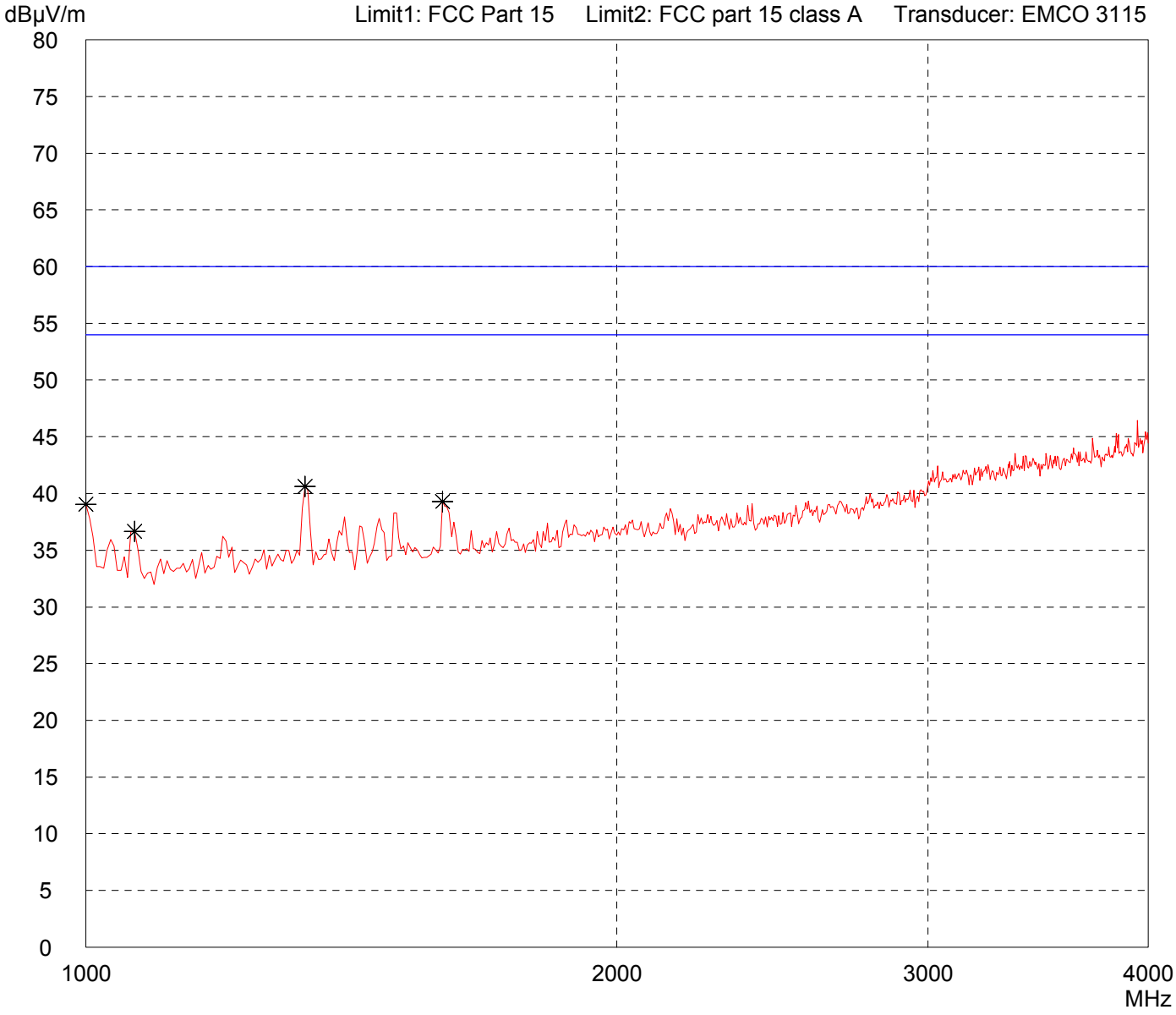


Result: Prescan	Project file: 56109-70012

Radiated Emission Test 1 GHz - 4 GHz
acc. to FCC Part 15 (EMCO 3115)

Model: ZB2430-100	Comment: - RX at channel 1 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

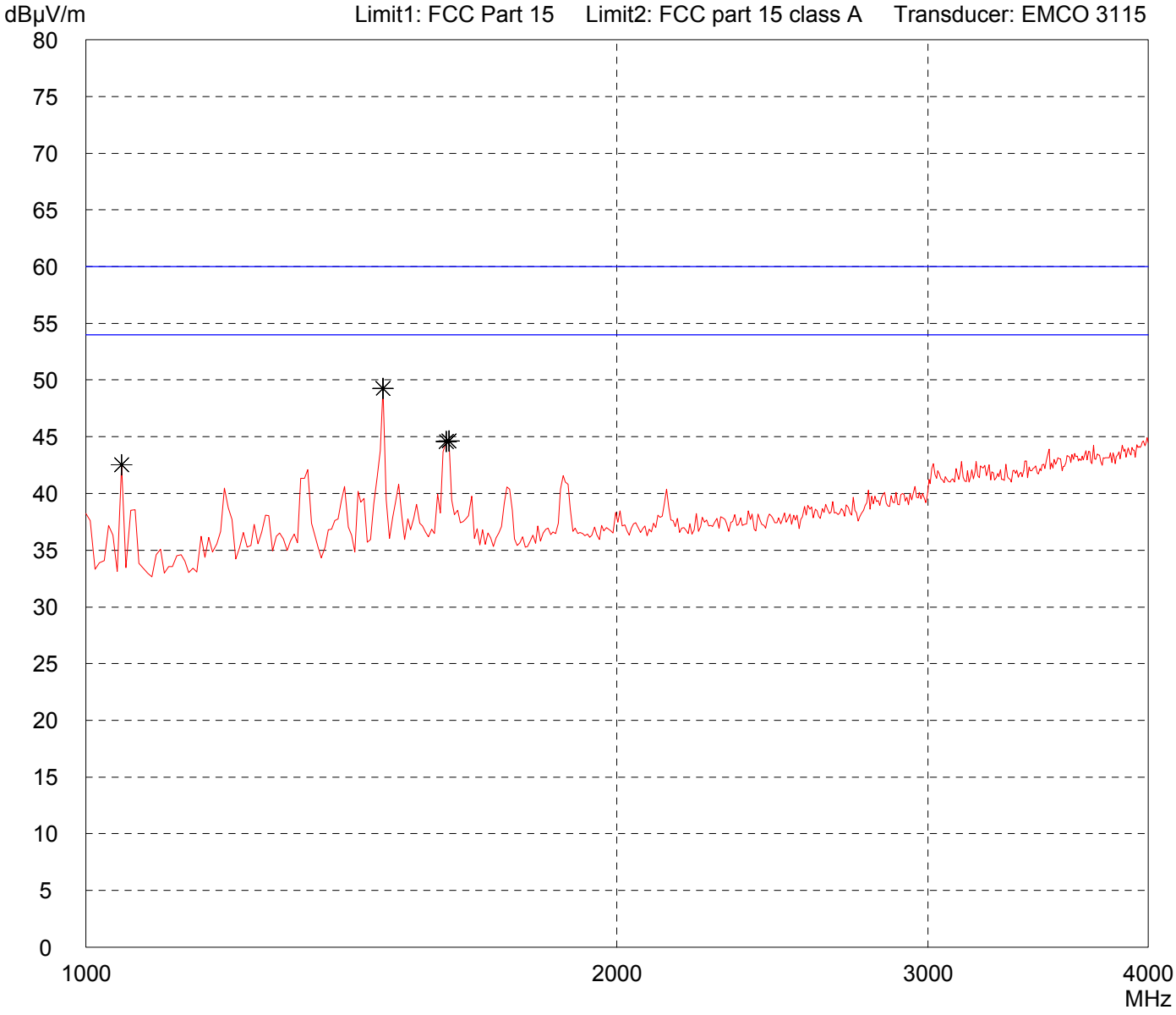


Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 1 GHz - 4 GHz
acc. to FCC Part 15 (EMCO 3115)

Model: ZB2430-100	Comment: - RX at channel 1 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand



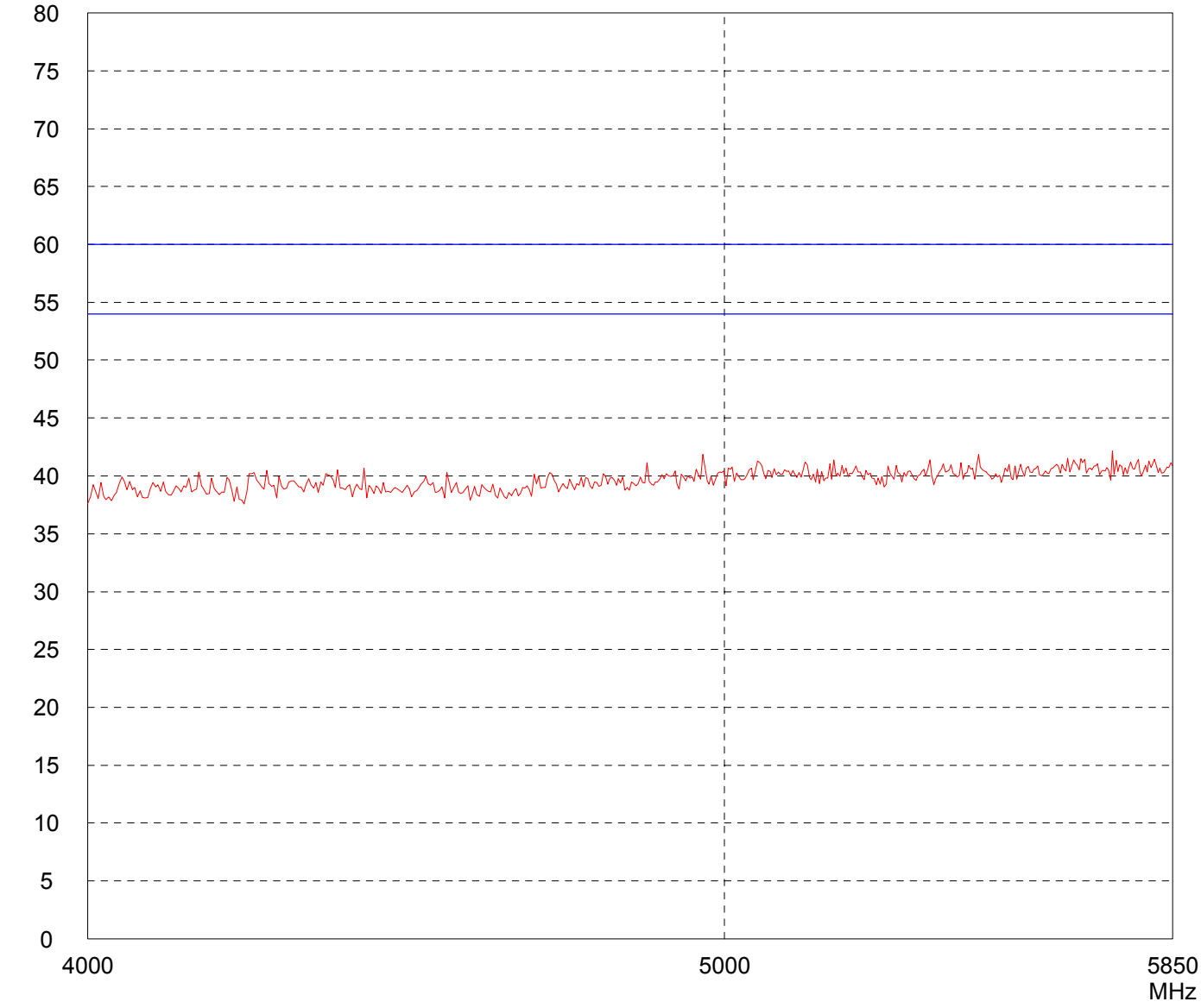
Result: Limit kept	Project file: 56109-70012

Radiated Emission Test 4 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 1 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m Limit1: FCC Part 15 Limit2: FCC part 15 class A Transducer: EMCO 3160



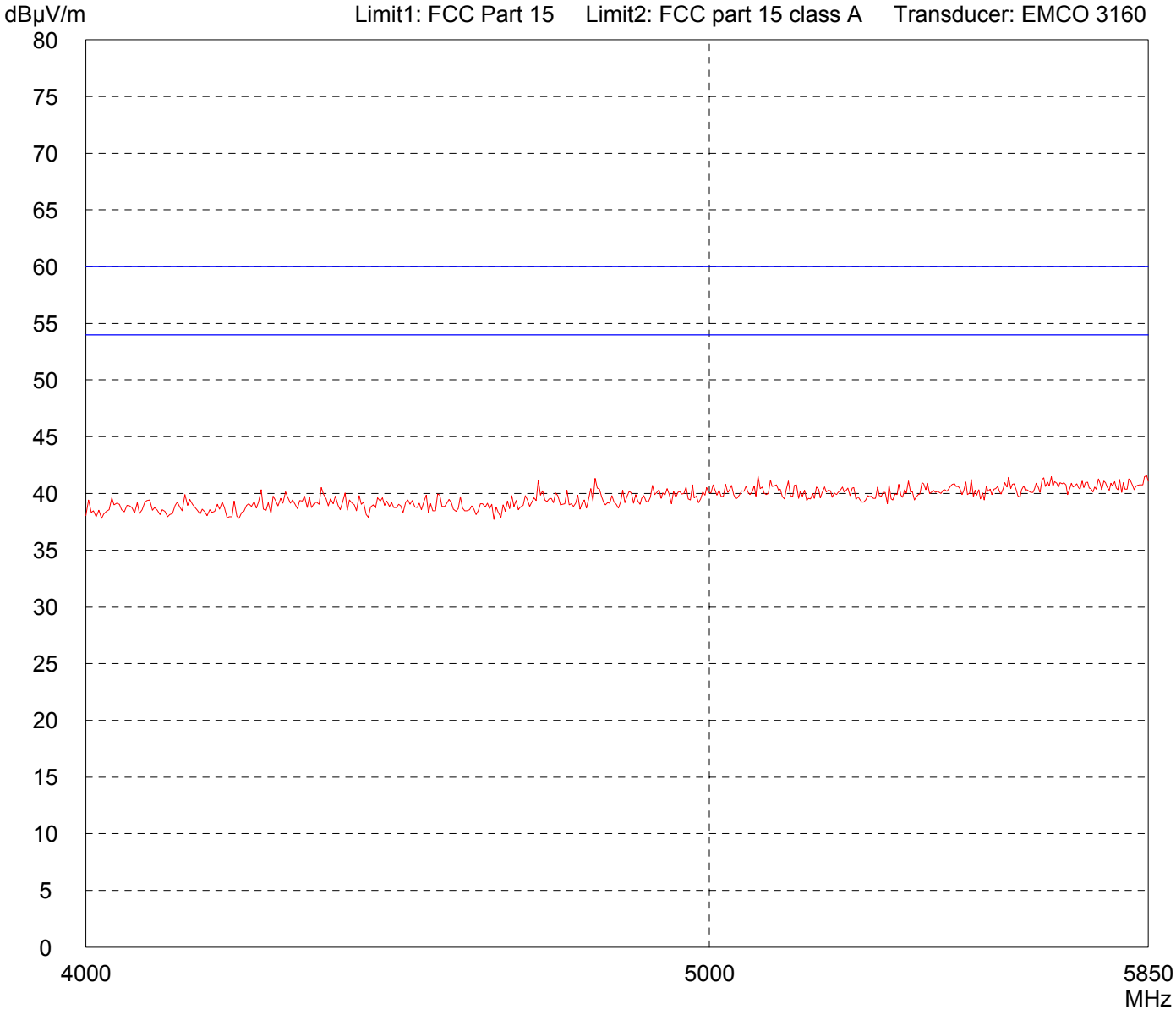
Result: Limit kept	Project file: 56109-70012

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

Radiated Emission Test 4 GHz - 5.85 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 1 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/16/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



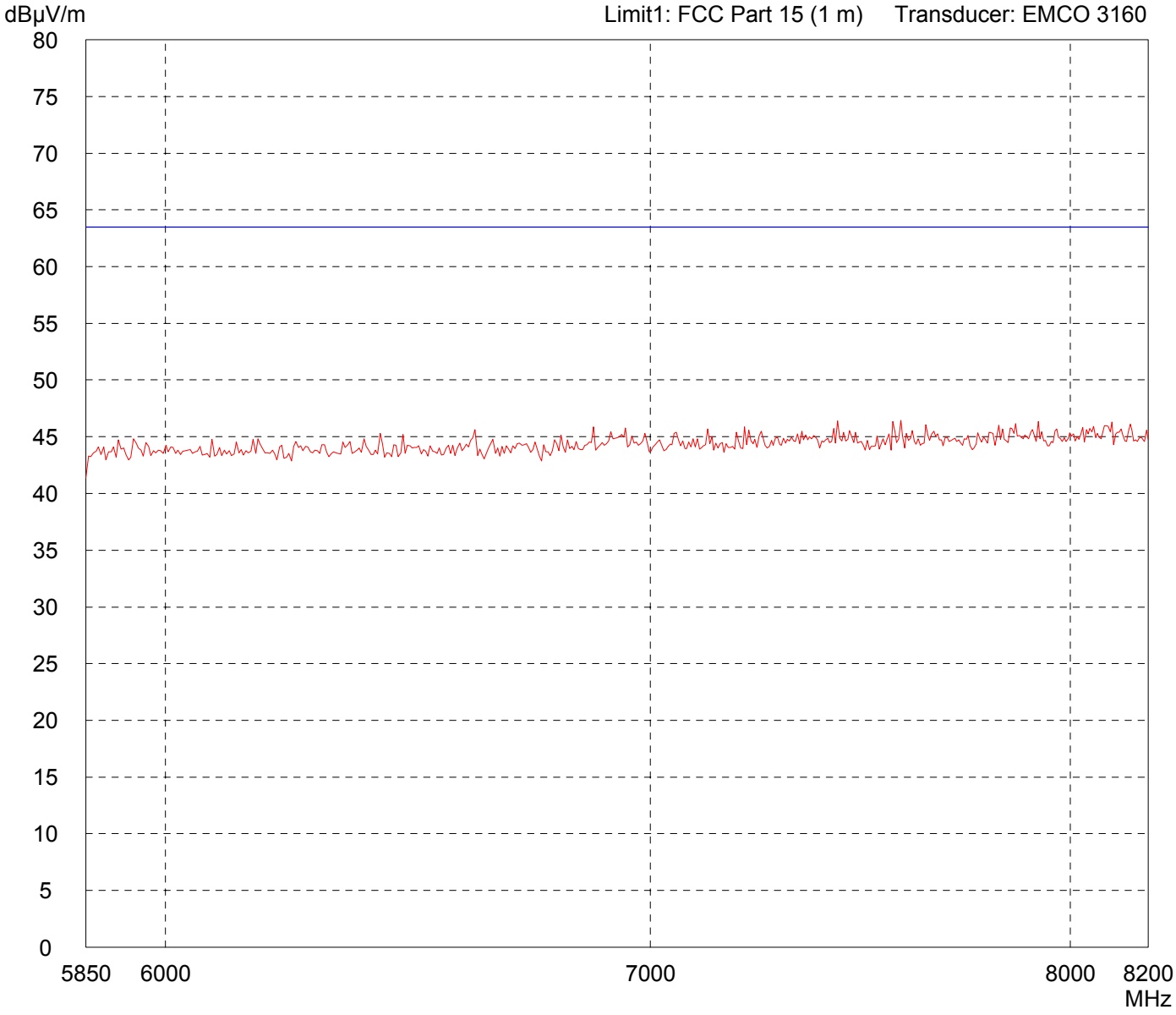
Result: Limit kept	Project file: 56109-70012

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

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 01 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

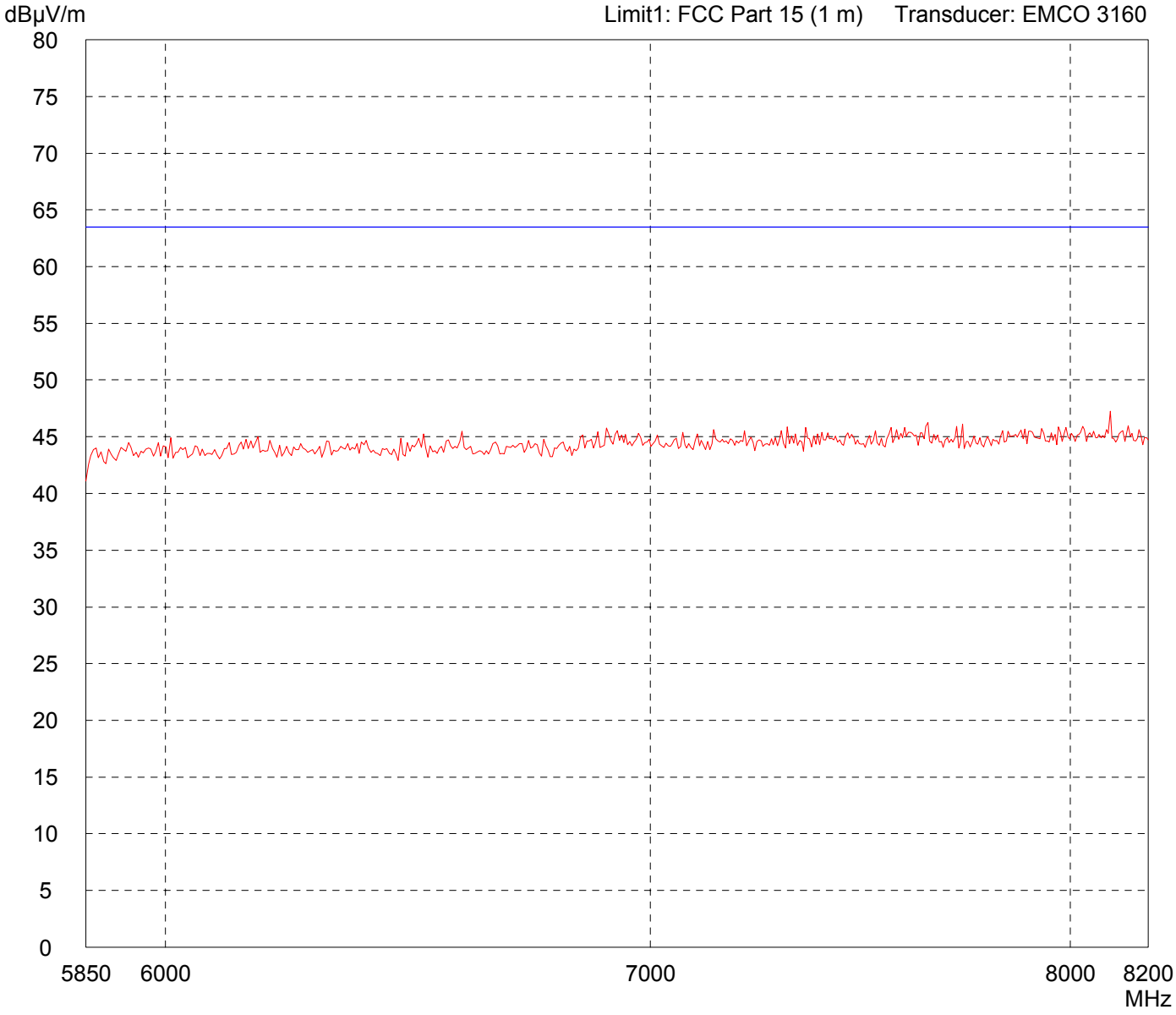


Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 5.85 GHz - 8.2 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 01 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



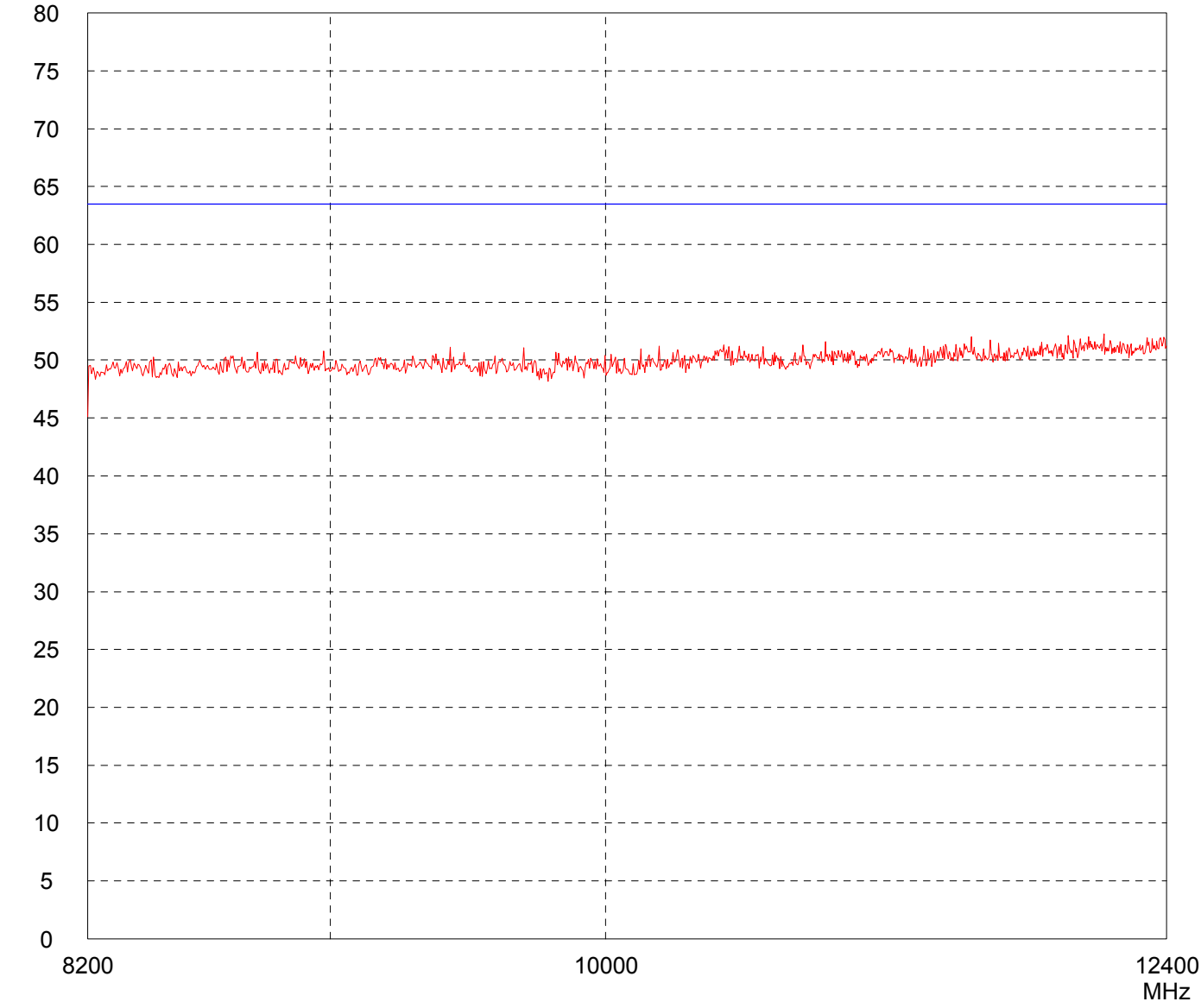
Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 01 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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

dBµV/m — Limit1: FCC Part 15 (1 m) — Transducer: EMCO 3160

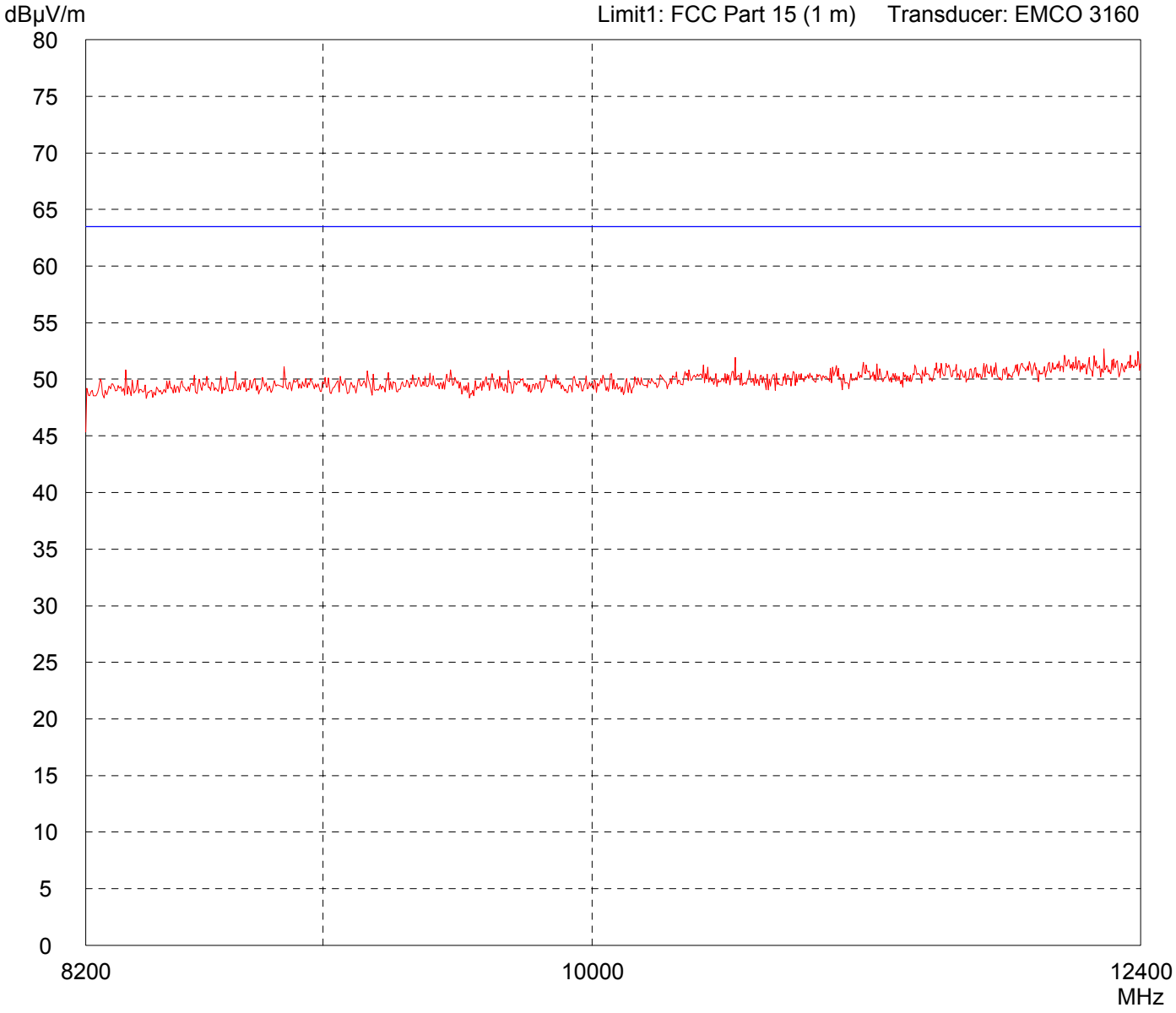


Result: Limit kept	Project file: 56409-70012

Radiated Emission Test 8.2 GHz - 12.4 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 01 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

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



Result: Limit kept	Project file: 56409-70012

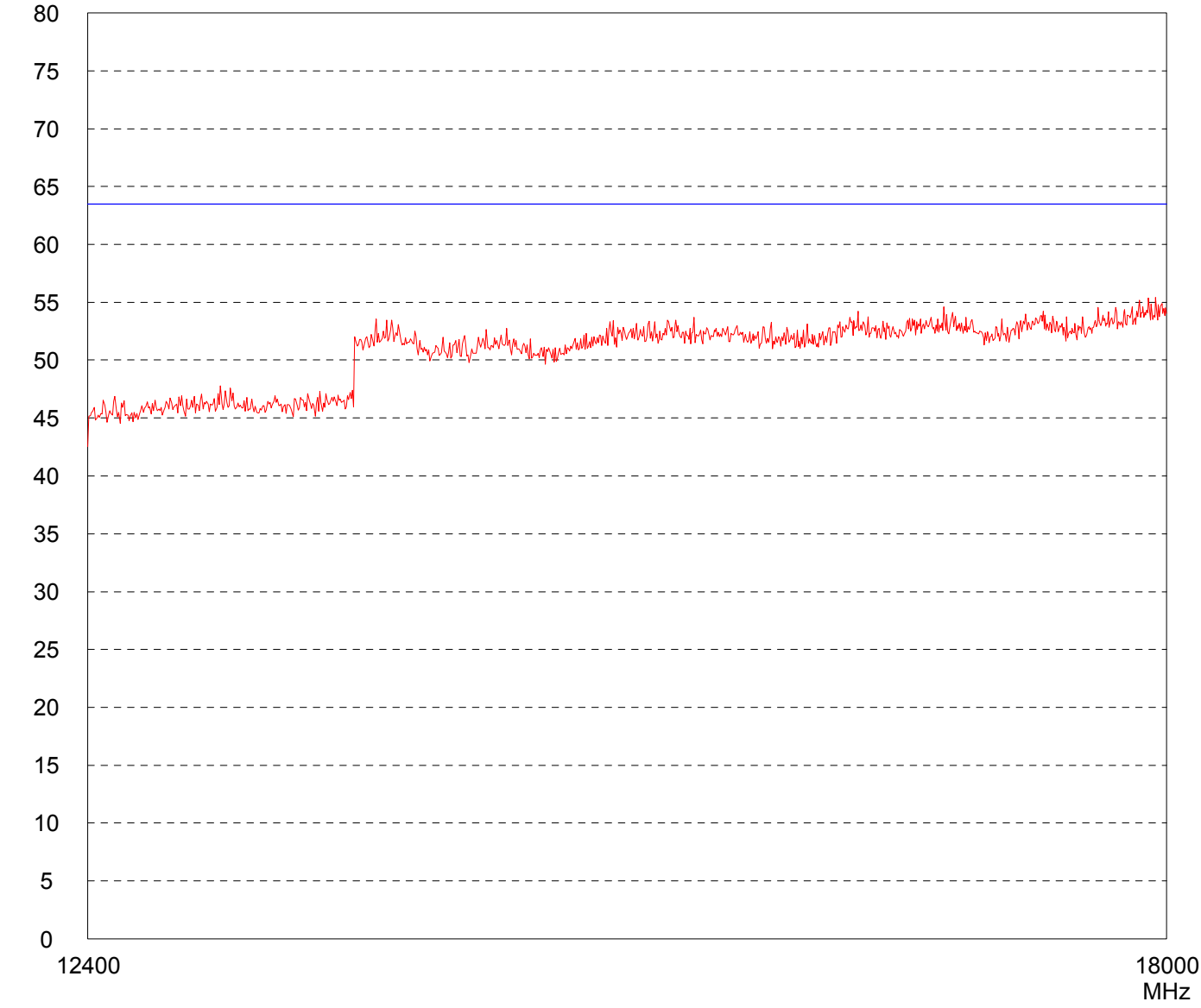
Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 01 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

Limit1: FCC Part 15 (1 m) Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012

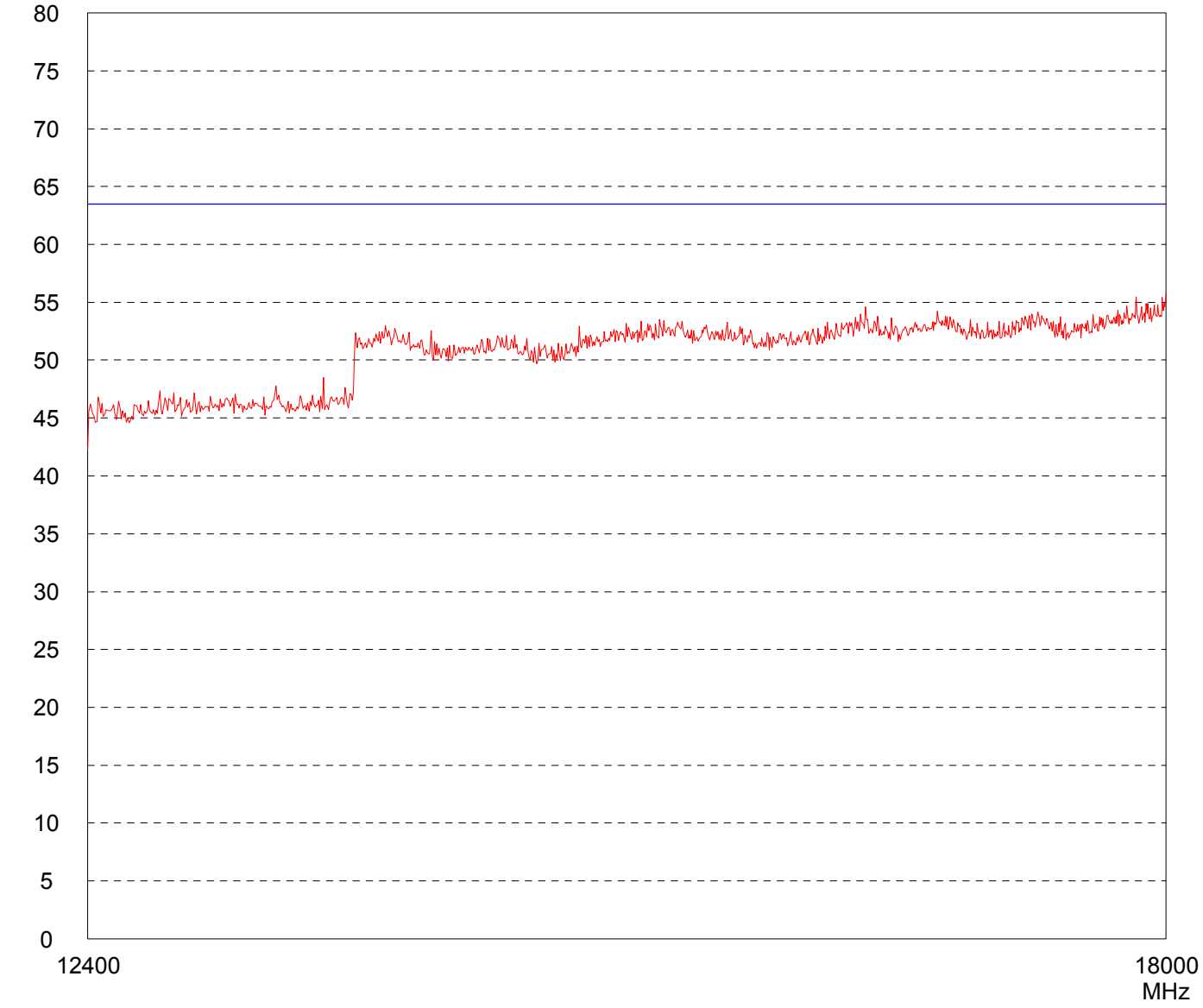
Radiated Emission Test 12.4 GHz - 18 GHz
acc. to FCC Part 15 (EMCO 3160)

Model: ZB2430-100	Comment: - RX at channel 01 - Chip Antenna
Serial no.: Unit B	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/17/2007 / Operator: J. Roidt	
Test performed: automatically / File name: default.emi	

Detector: Peak	List of values: Selected by hand

dBµV/m

Limit1: FCC Part 15 (1 m) Transducer: EMCO 3160



Result: Limit kept	Project file: 56409-70012