

Straubing, 28 June 2007

APPENDIX B
to TEST-REPORT

No. 56109-061084-1 (Edition 2)

for

KQL-AC4X90-200 (RF Transceiver Module)

1. AC4490-200M
2. AC4490-200M-485
3. AC4490LR-200M
Fully tested, see test report no. 56109-061084-2
4. AC4490LR-200M-485
5. AC4790-200M
6. AC4790-200M-485
Fully tested in test report no. 56109-060184-1
7. AC4790LR-200M
8. AC4790LR-200M-485

Applicant: AEROCOMM, Inc.

Additional tests to cover
antenna GM113

Note:

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

Spurious Emissions

Rules and Specifications:	15.247 (c)
Guide:	ANSI C63.4
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the 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
Date of Test:	03 January 2007

Frequency (MHz)	Antenna Polarisation	Meter Reading (dBµV)	Antenna Correction (dB)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
902.20	Vertical	83.86	24.19	108.05	Fundamenta 	---
915.38	Vertical	83.32	24.31	107.63	Fundamenta 	---
927.50	Vertical	82.97	24.41	107.38	Fundamenta 	---
Band Edge Compliance						
902.0	Vertical	4.09	24.19	28.28	88.05	N.R.B.
928.0	Vertical	4.89	24.41	29.30	87.38	N.R.B.
Low Channel						
790.48	Vertical	24.49	22.79	47.29	98.05	N.R.B.
846.74	Vertical	19.88	23.52	43.41	98.05	N.R.B.
903.00	Vertical	37.79	24.20	61.98	98.05	N.R.B.
1012.0	Vertical	24.88	27.74	52.62	54.00	1.38
1474.0	Vertical	19.86	29.51	49.37	54.00	4.63
1804.0	Vertical	19.17	31.29	50.46	54.00	3.54
5413.0	Vertical	11.51	34.85	46.36	54.00	7.64
6315.3	Vertical	15.61	38.19	53.80	54.00	0.2

Frequency (MHz)	Antenna Polarisation	Meter Reading (dBμV)	Antenna Correction (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
7217.7	Vertical	11.61	38.95	50.56	54.00	3.44
8124.8	Vertical	10.85	39.70	50.55	54.00	3.45
9020.8	Vertical	2.08	43.72	45.80	54.00	8.20
Middle Channel						
802.12	Vertical	25.57	22.95	48.52	87.38	N.R.B.
860.32	Vertical	17.18	23.69	40.88	87.38	N.R.B.
1024.0	Vertical	24.00	27.79	51.79	54.00	2.21
1030.0	Vertical	25.03	27.82	52.85	54.00	1.15
1144.0	Vertical	24.88	28.31	53.19	54.00	0.81
4577.2	Horizontal	0.95	34.05	35.00	54.00	19.00
5494.80	Horizontal	4.34	34.93	39.27	54.00	14.63
6409.3	Vertical	6.51	38.27	44.78	54.00	9.22
7325.8	Vertical	1.29	39.07	40.36	54.00	13.64
8239.6	Vertical	8.19	43.17	51.36	54.00	2.64
9154.0	Vertical	3.29	43.81	47.10	54.00	16.9
High Channel						
755.56	Vertical	22.88	22.31	45.20	87.38	N.R.B.
811.82	Vertical	30.35	23.08	53.42	87.38	N.R.B.
870.02	Vertical	20.21	23.81	44.02	87.38	N.R.B.
1042.0	Vertical	25.90	27.87	53.77	54.00	0.23
1096.0	Vertical	24.12	28.11	52.23	54.00	1.77
1156.0	Vertical	23.3	28.36	51.66	54.00	2.34
4636.4	Horizontal	15.39	34.11	49.49	54.00	4.51
5565.1	Horizontal	4.10	35.00	39.10	54.00	14.90
6493.9	Vertical	8.11	38.34	46.45	54.00	7.55
7419.80	Vertical	2.44	39.17	41.61	54.00	12.39
8437.6	Vertical	7.04	43.25	50.29	54.00	3.71

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 Permissible Exposure (MPE) General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minute)
30 - 1500	---	---	$f/1500$ $=$ 0.61 mW/cm ² @ 915 MHz	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: **20.78 dBm = 119.6 mW**

Prediction distance: **20 cm**

Antenna gain: (**V.Torch GM113**) **3.5 dBi = 2.23 (numerical gain)**

Power density at 20 cm:

0.053 mW/cm²

Test Result:	Pass	
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Spurious Radiation Measurement

Rules and Specifications:	15.109,	
Guide:	ANSI C63.4	
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, middle RF Channel
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)
167,740	Peak	Horizontal	28,78	10,61	39,39	43,50	4,1
212,360	Q:P	Horizontal	29,45	12,76	42,21	43,50	1,3
214,300	Q:P	Horizontal	28,2	12,83	41,03	43,50	2,5
1198,000	Peak	Vertical	18,61	28,53	47,14	54,00	6,9
1456,000	Peak	Vertical	17,76	29,45	47,21	54,00	6,8
1738,000	Peak	Vertical	16,31	30,95	47,26	54,0	6,7

*** = All emissions showed more than 20 dB margin to the limit

Sample calculation of erp values:

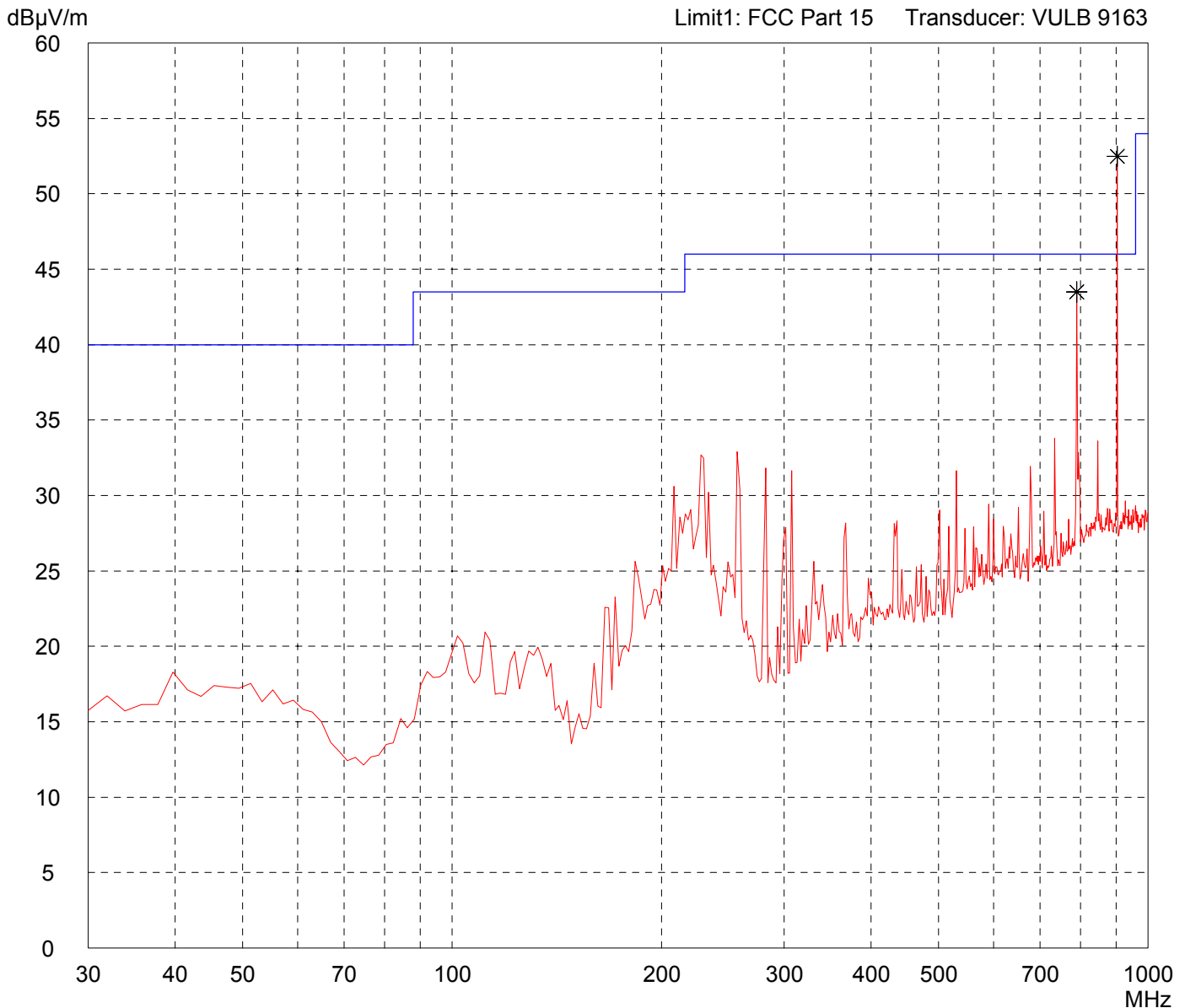
$$\text{Field Strength (dB}\mu\text{V/m)} = \text{Analyzer Reading (dB}\mu\text{V)} + \text{Correction Factor (dB/m)}$$

Charts taken during testing

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

Model: AC4790-200M-485	Comment: - TX at 902.20 MHz - Antenna: GM113 - Notch Filter at Fundamental frequency
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

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

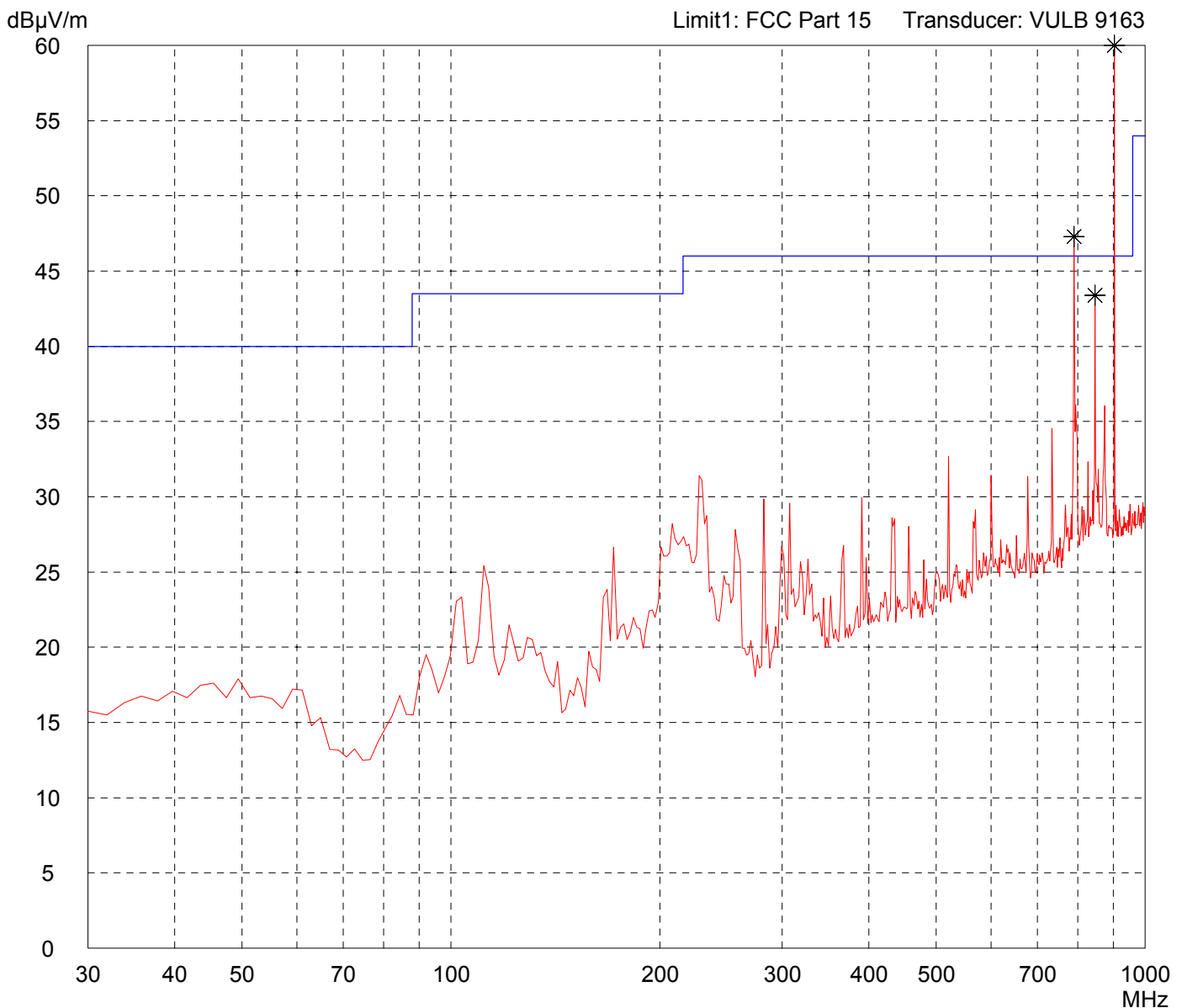


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: AC4790-200M-485	Comment: - TX at 902.20 MHz - Antenna: GM113 - Notch Filter at Fundamental frequency
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

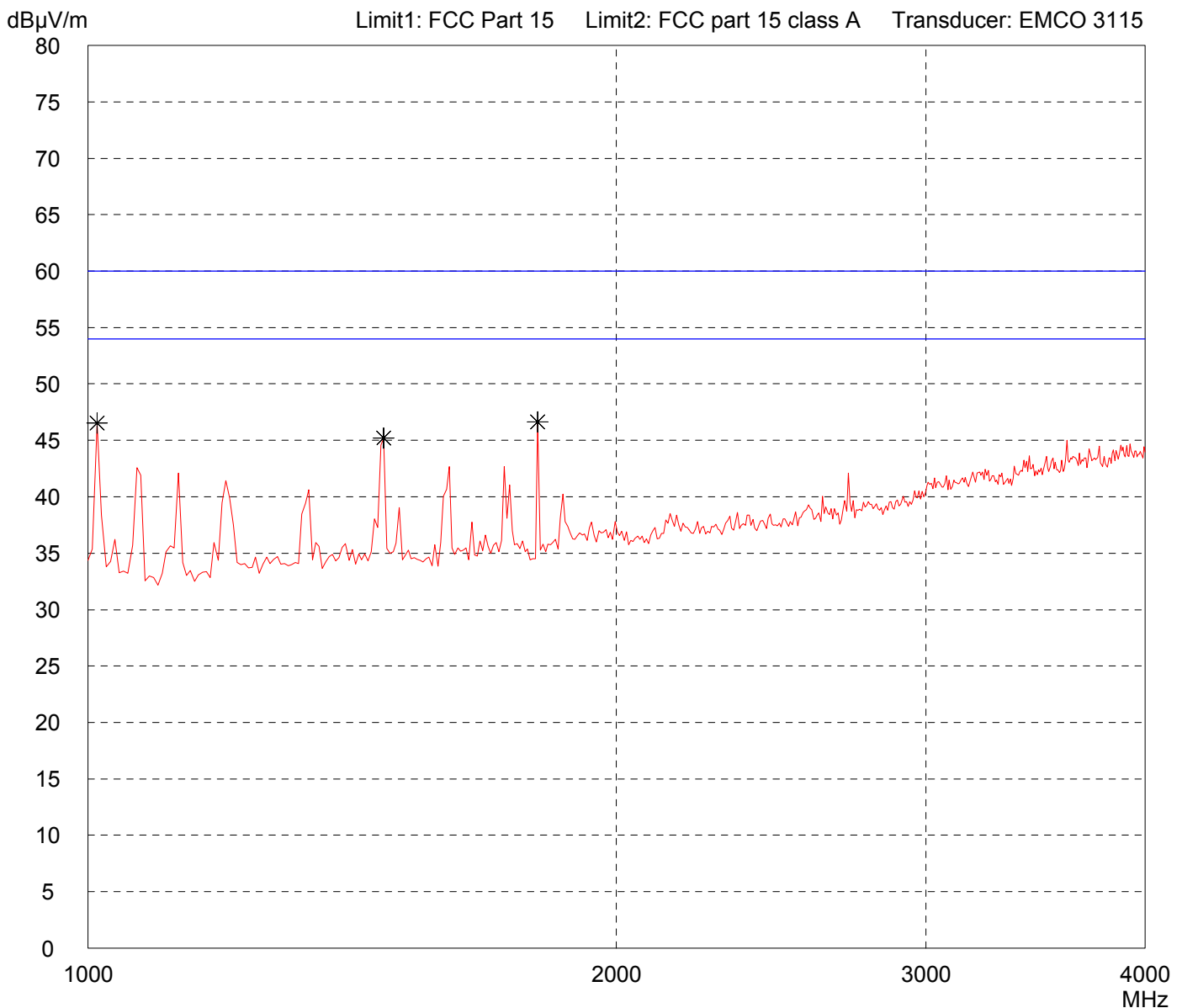
Detector: Peak	List of values: 10 dB Margin 50 Subranges
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Result: Limit kept	Project file: 56109-61084-1 Page of Pages
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Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (EMCO 3115)

Model: AC4790-200M-485		Comment: - TX at 902.20 MHz - Antenna: GM113
Serial no.: Test Sample #1		
Applicant: AEROCOMM, Inc.		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 metres Horizontal Polarization		
Date of test: 01/25/2007	Operator: T. Eberl	List of values: Selected by hand
Test performed: automatically	File name: default.emi	
Detector: Peak		

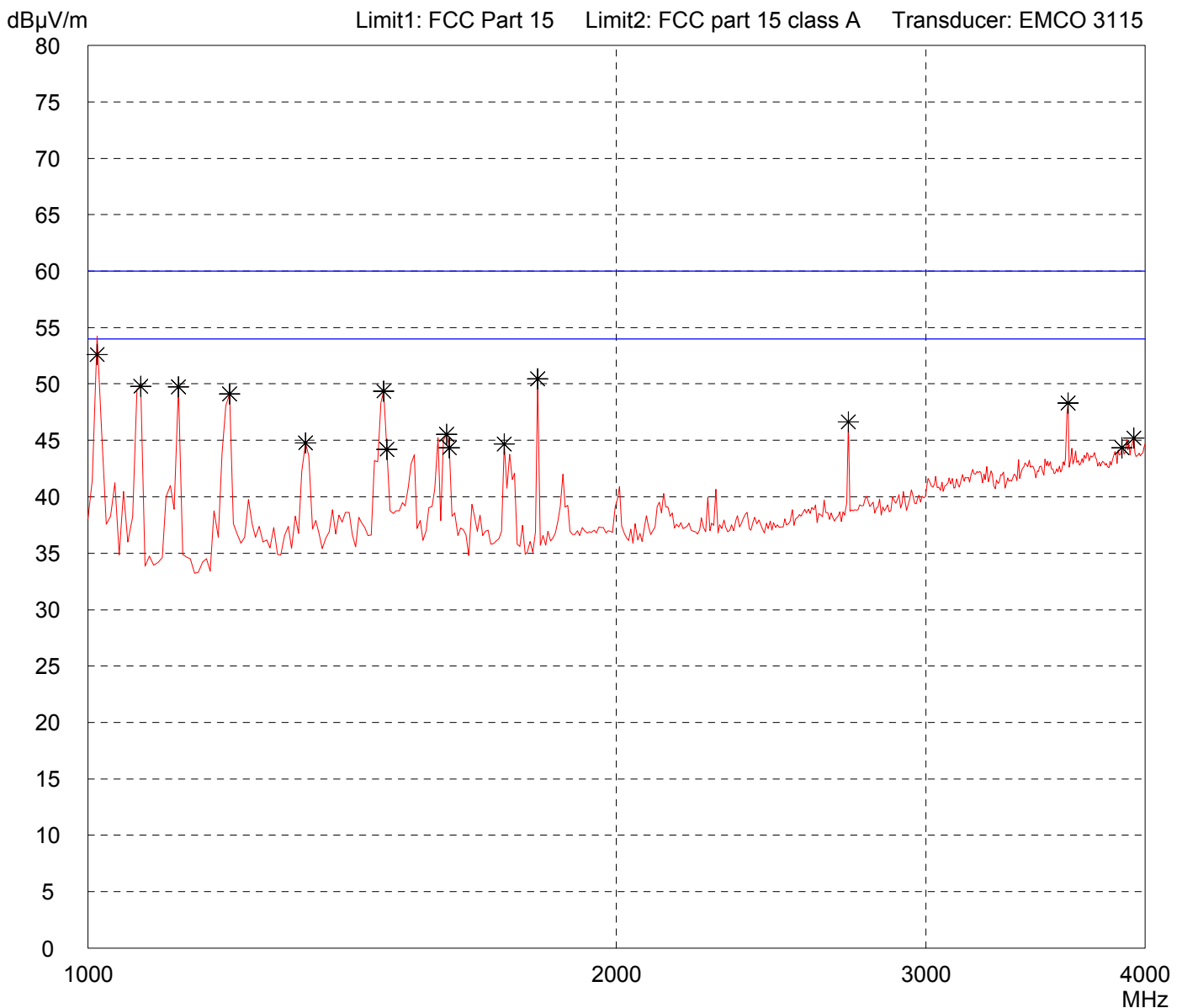


Result: Limit kept	Project file: 56109-61084-1	Page of Pages
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Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (EMCO 3115)

Model: AC4790-200M-485	Comment: - TX at 902.20 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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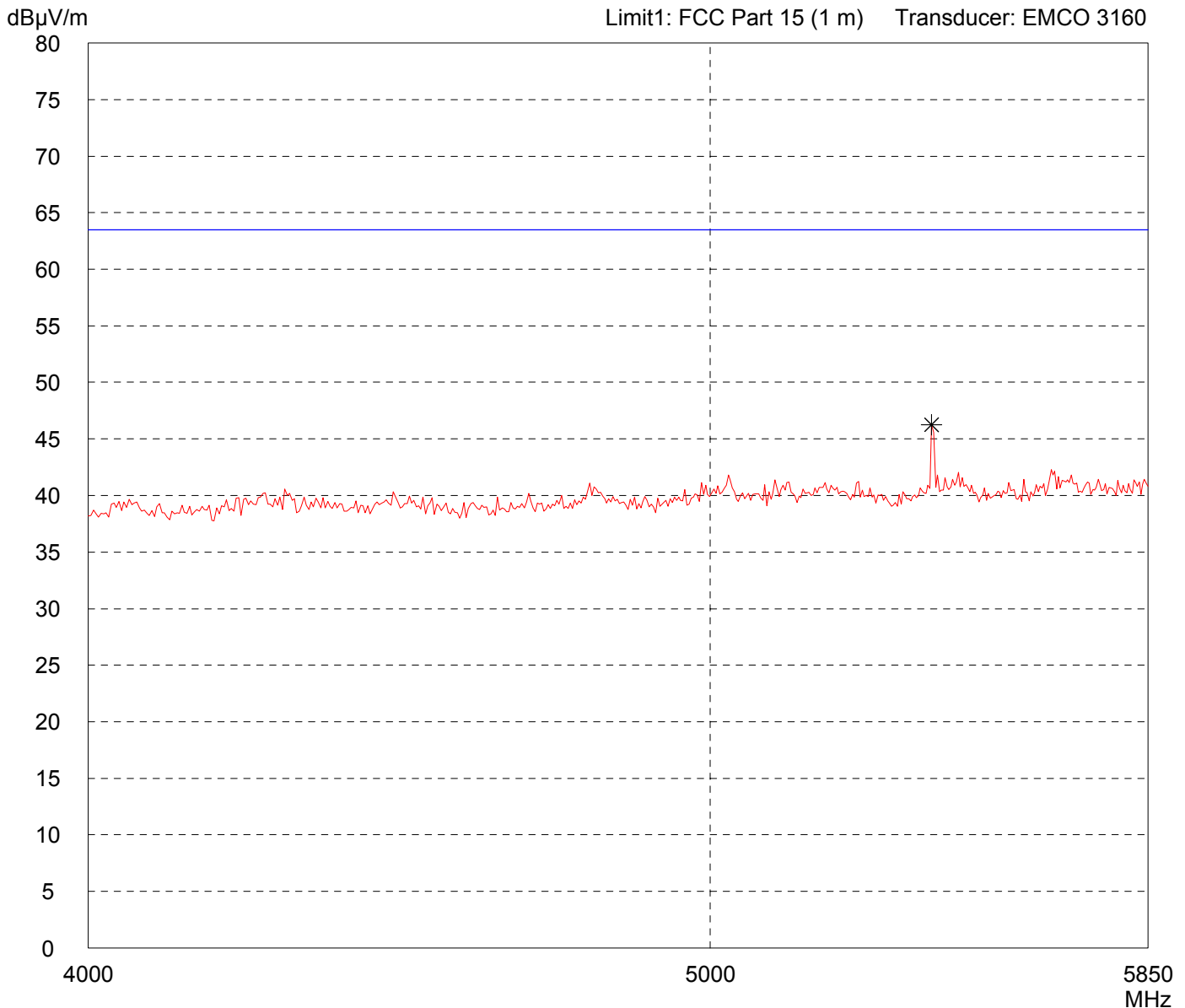


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 4 GHz - 5,85 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 902.20 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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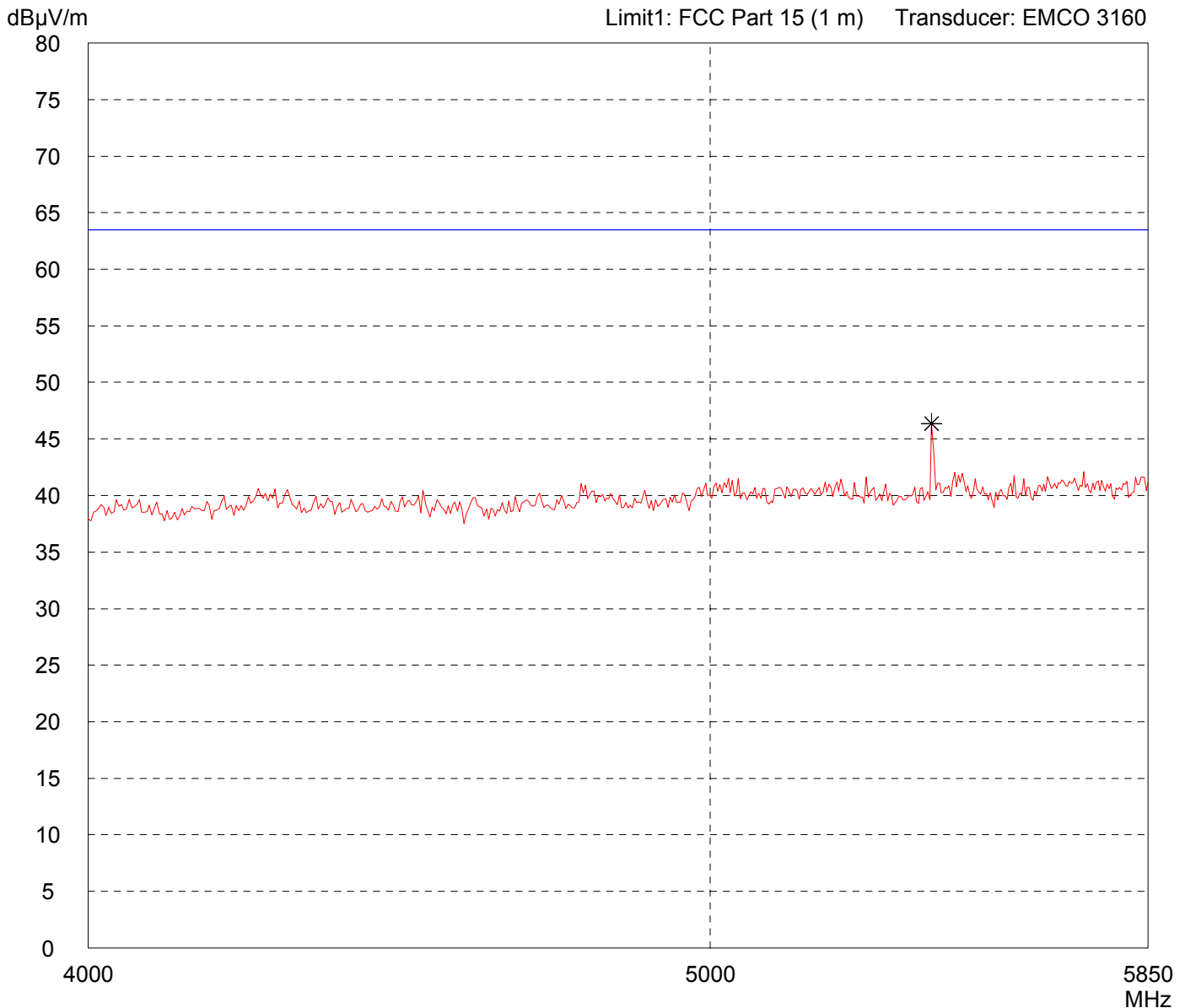


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 4 GHz - 5,85 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 902.20 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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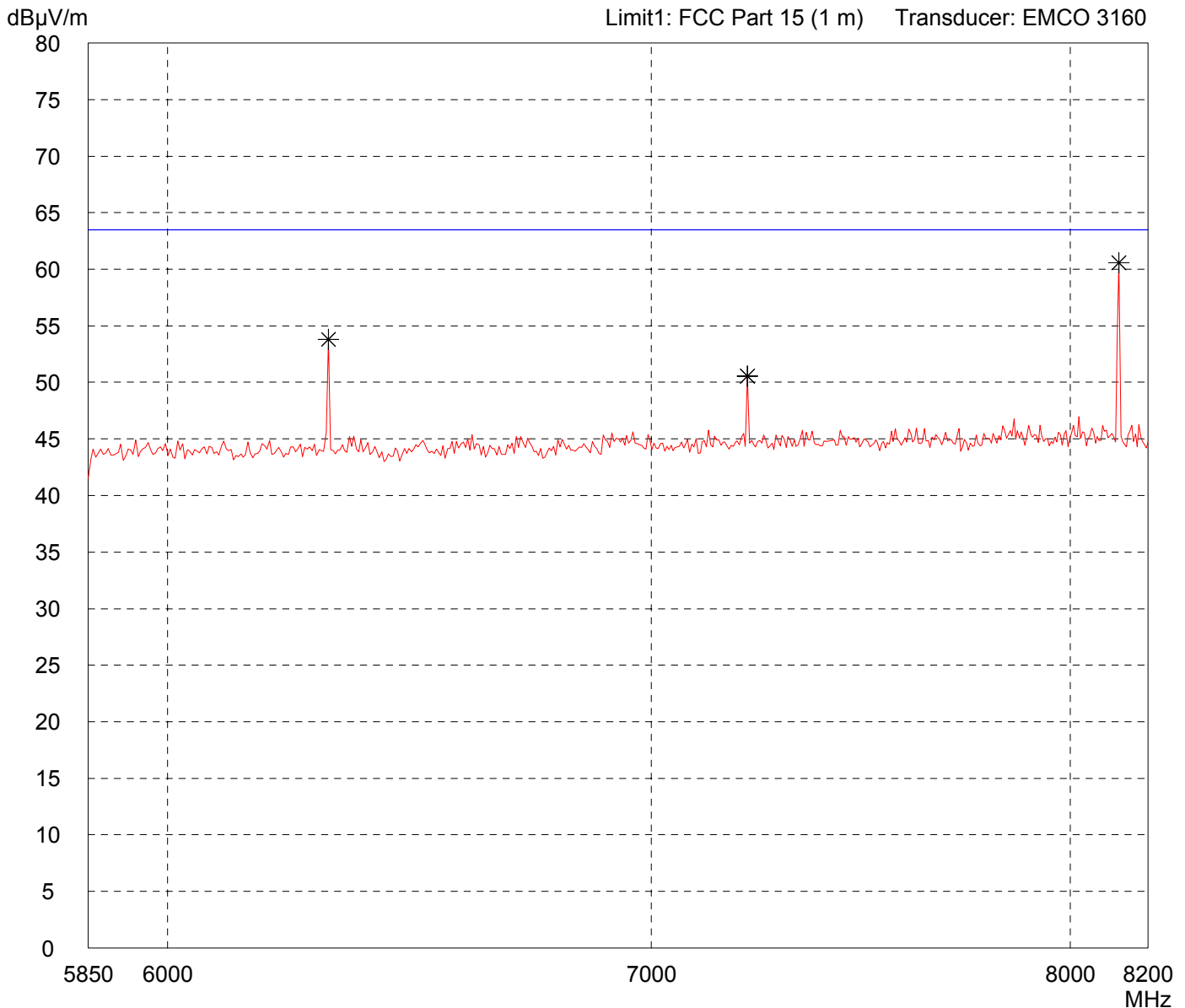


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 5,85 GHz - 8,2 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 902.20 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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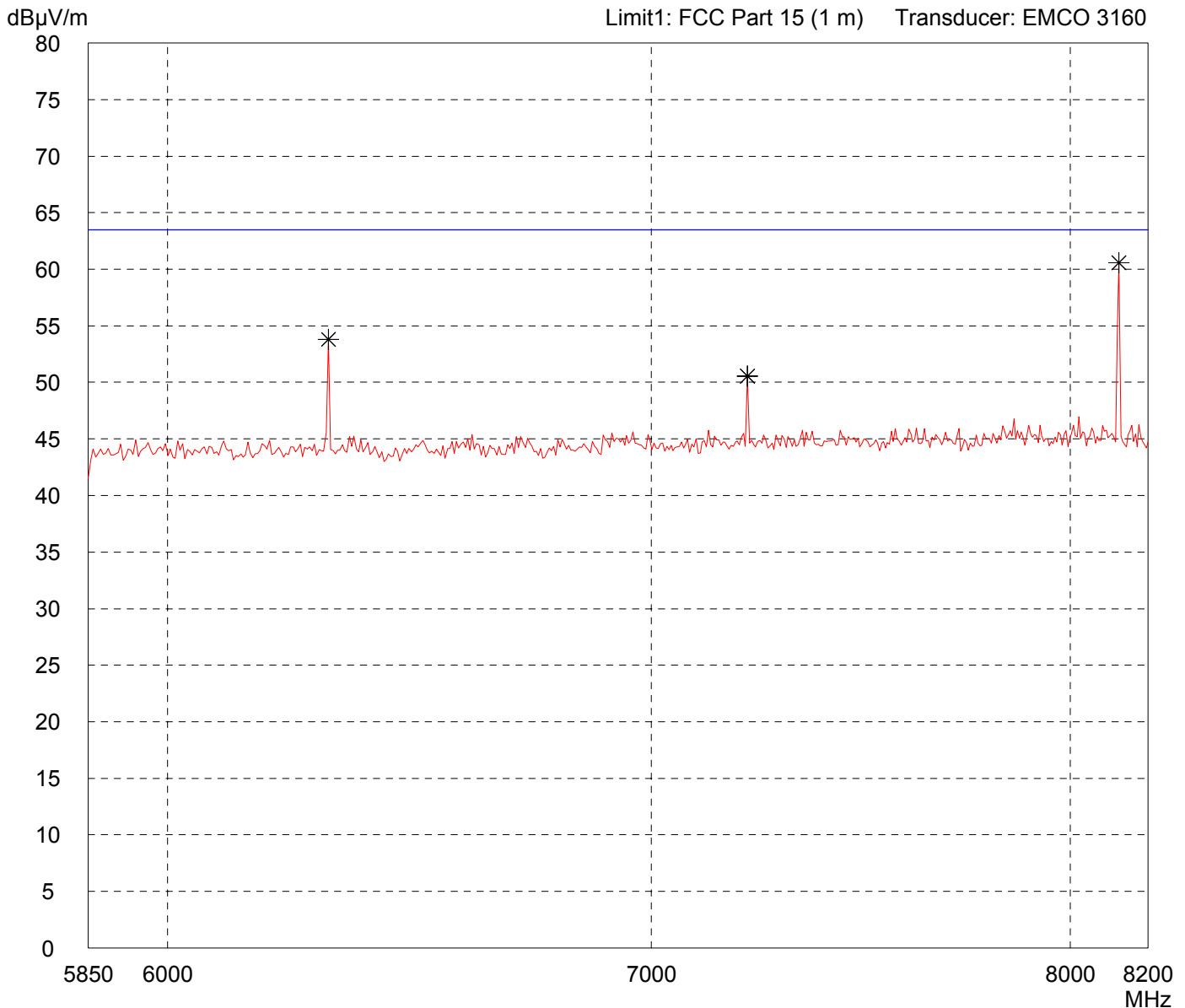


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 5,85 GHz - 8,2 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 902.20 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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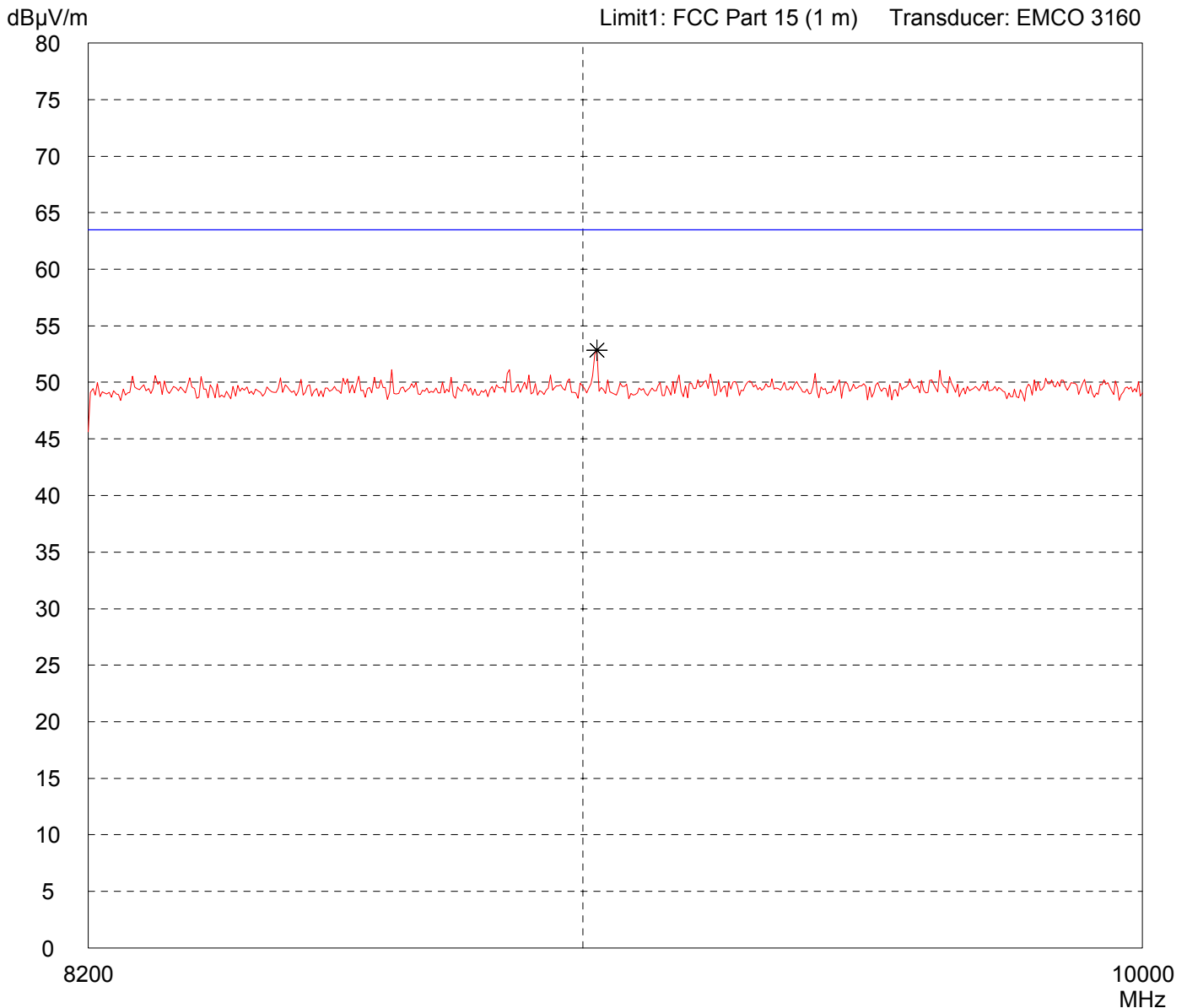


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 8,2 GHz - 10 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 902.20 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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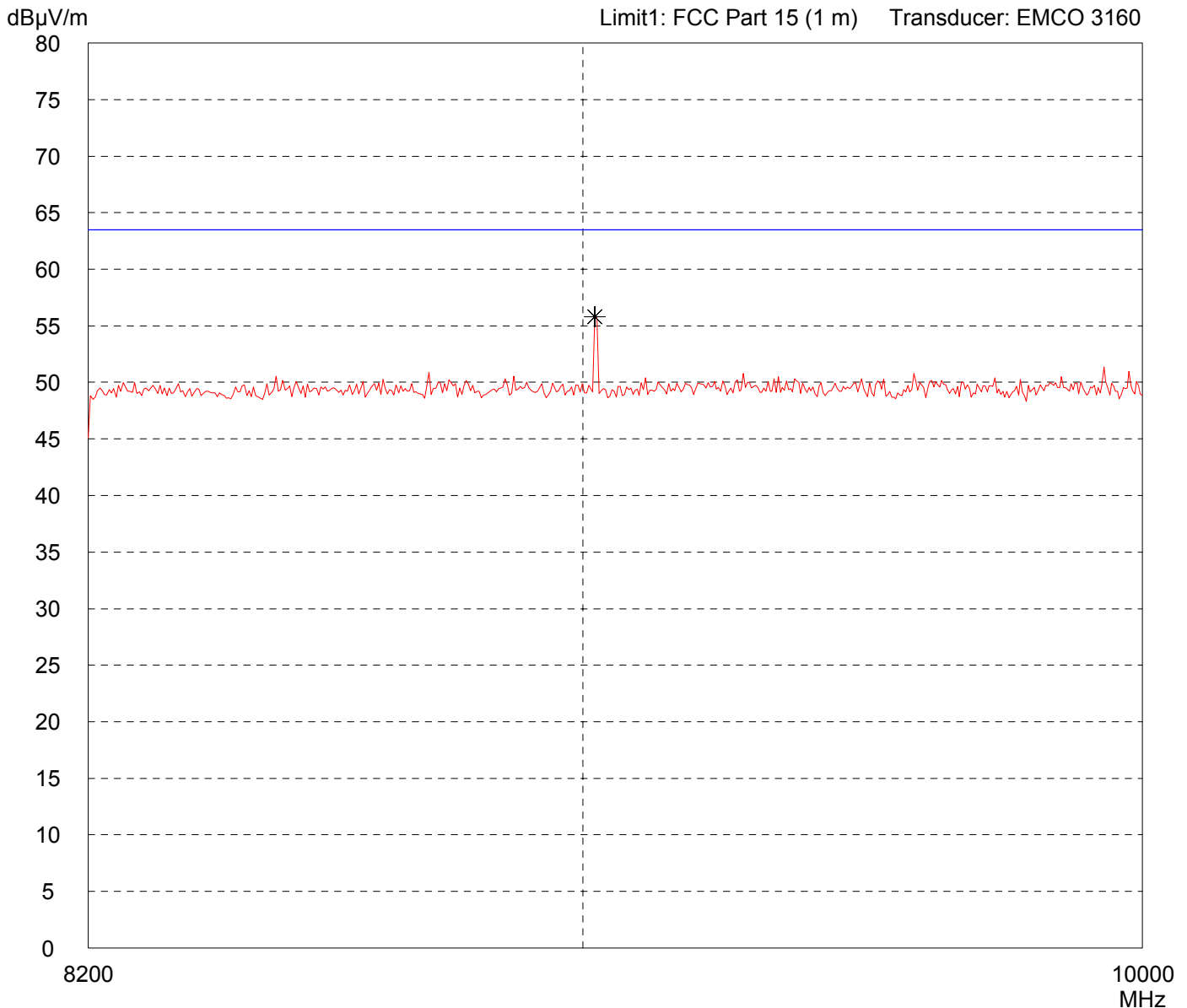


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 8,2 GHz - 10 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 902.20 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

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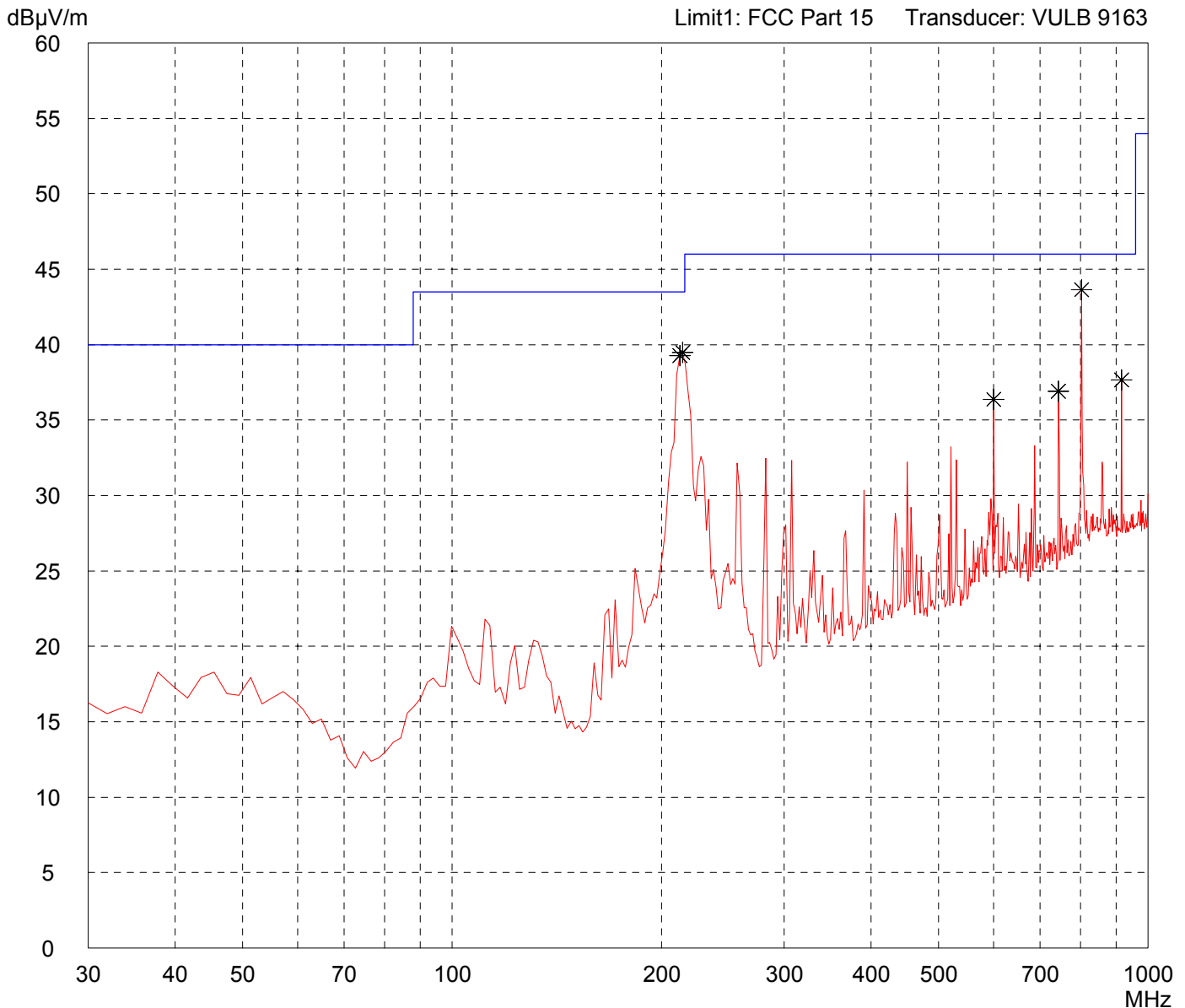


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: AC4790-200M-485	Comment: - TX at 915.38 MHz - Antenna: GM113 - Notch Filter at Fundamental frequency
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

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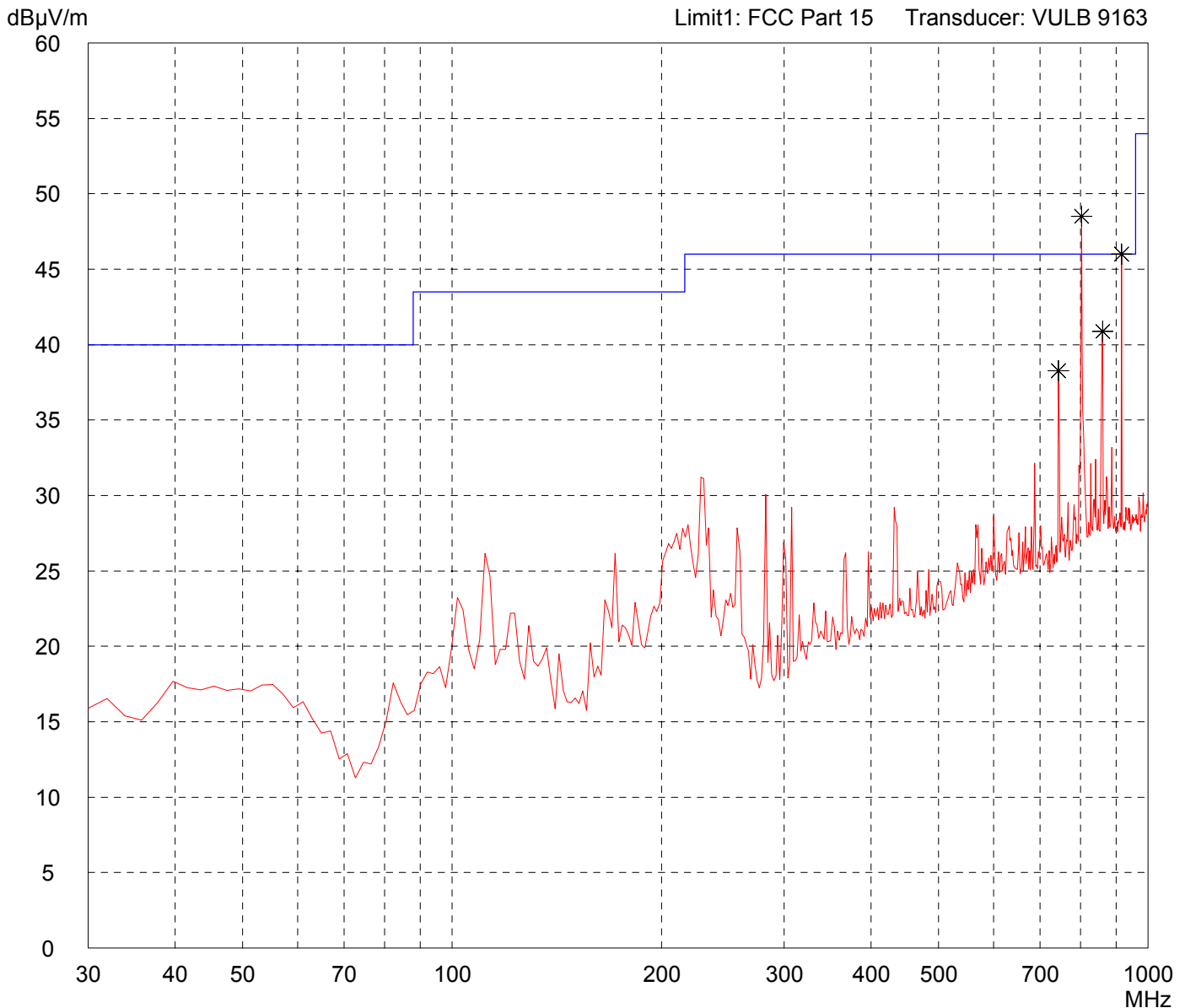


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: AC4790-200M-485	Comment: - TX at 915.38 MHz - Antenna: GM113 - Notch Filter at Fundamental frequency
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

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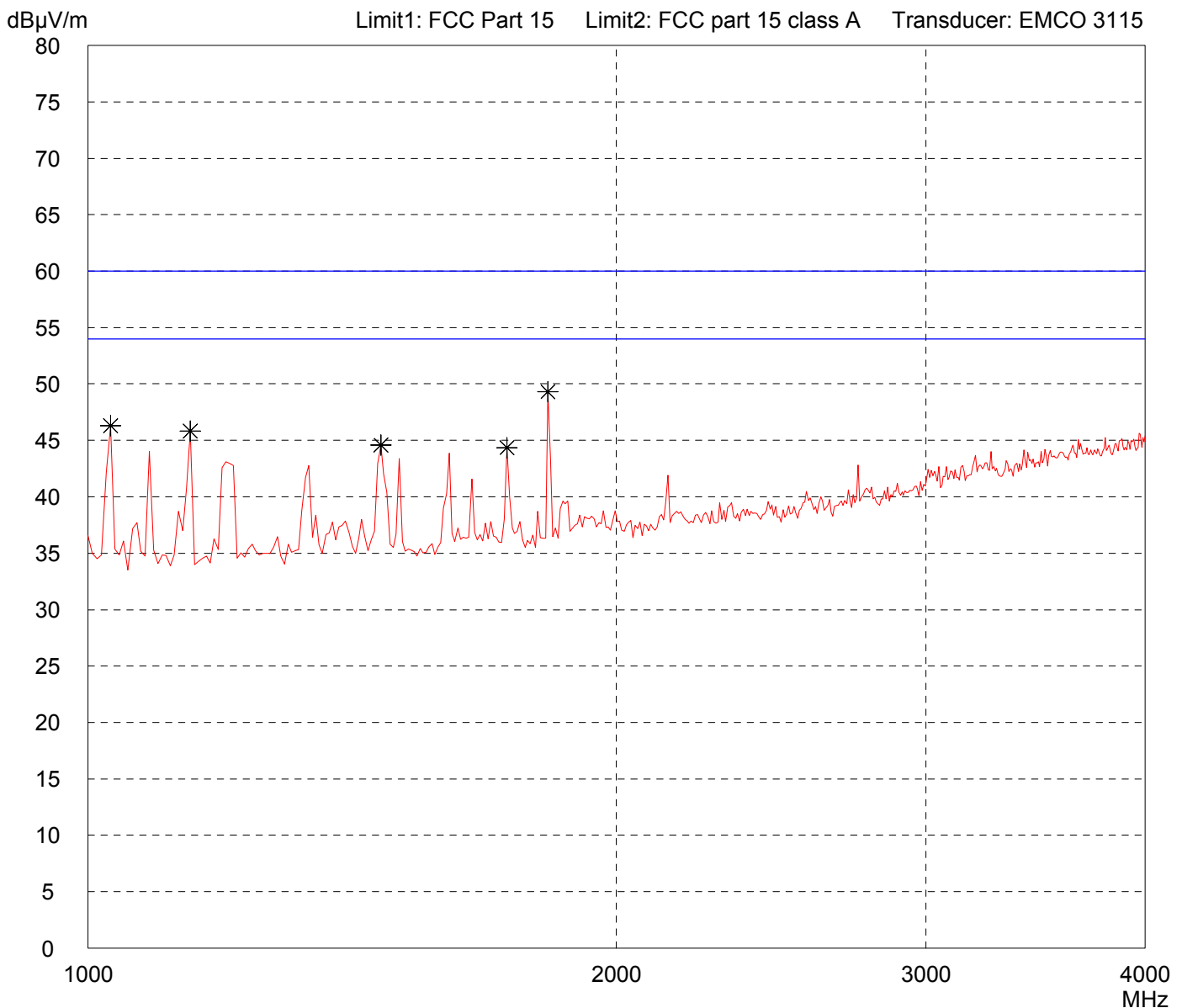


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (EMCO 3115)

Model: AC4790-200M-485	Comment: - TX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/26/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

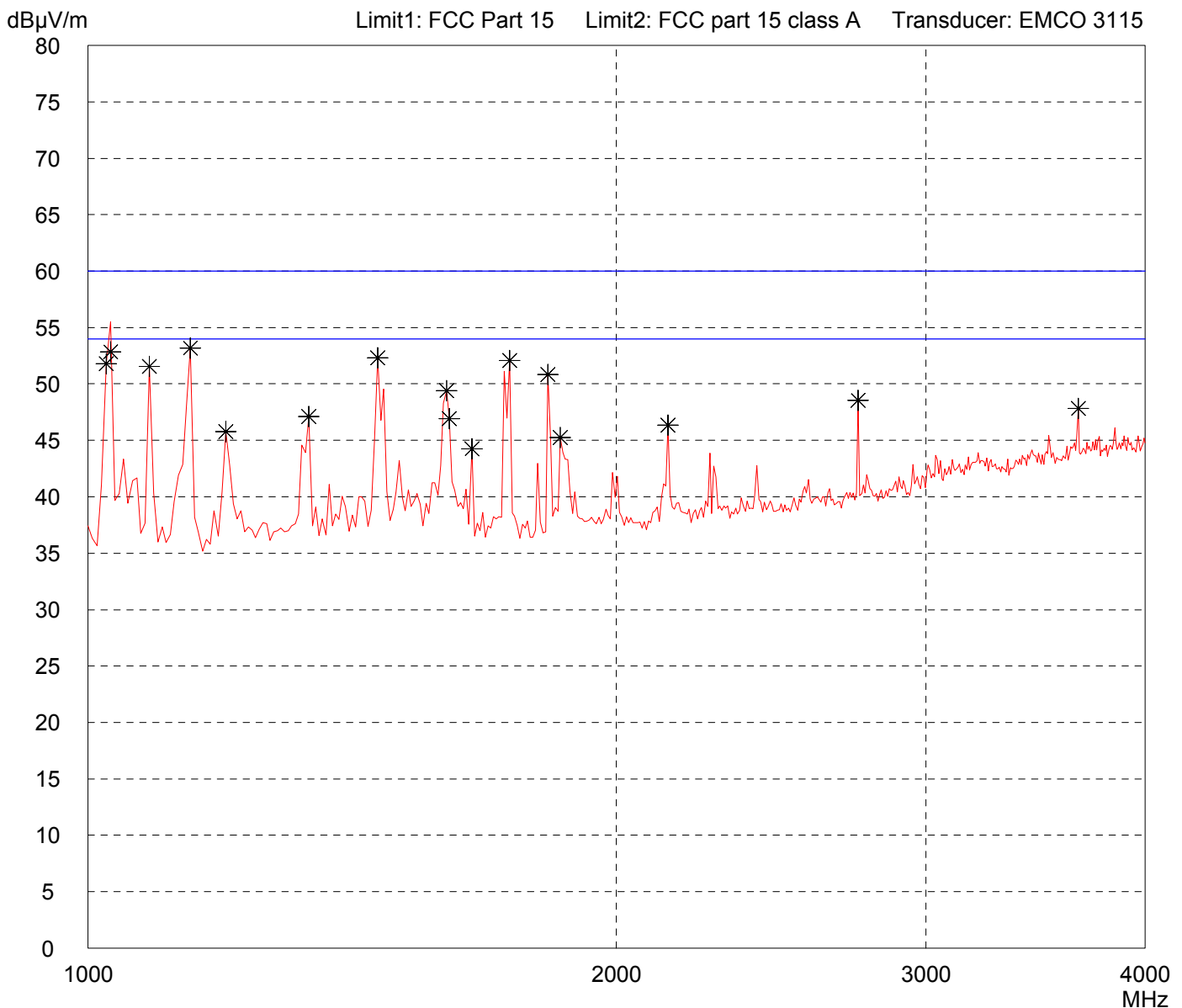
Detector: Peak	List of values: Selected by hand
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Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (EMCO 3115)

Model: AC4790-200M-485		Comment: - TX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1		
Applicant: AEROCOMM, Inc.		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 metres Vertical Polarization		
Date of test: 01/26/2007	Operator: T. Eberl	List of values: Selected by hand
Test performed: automatically	File name: default.emi	
Detector: Peak (AV manual)		

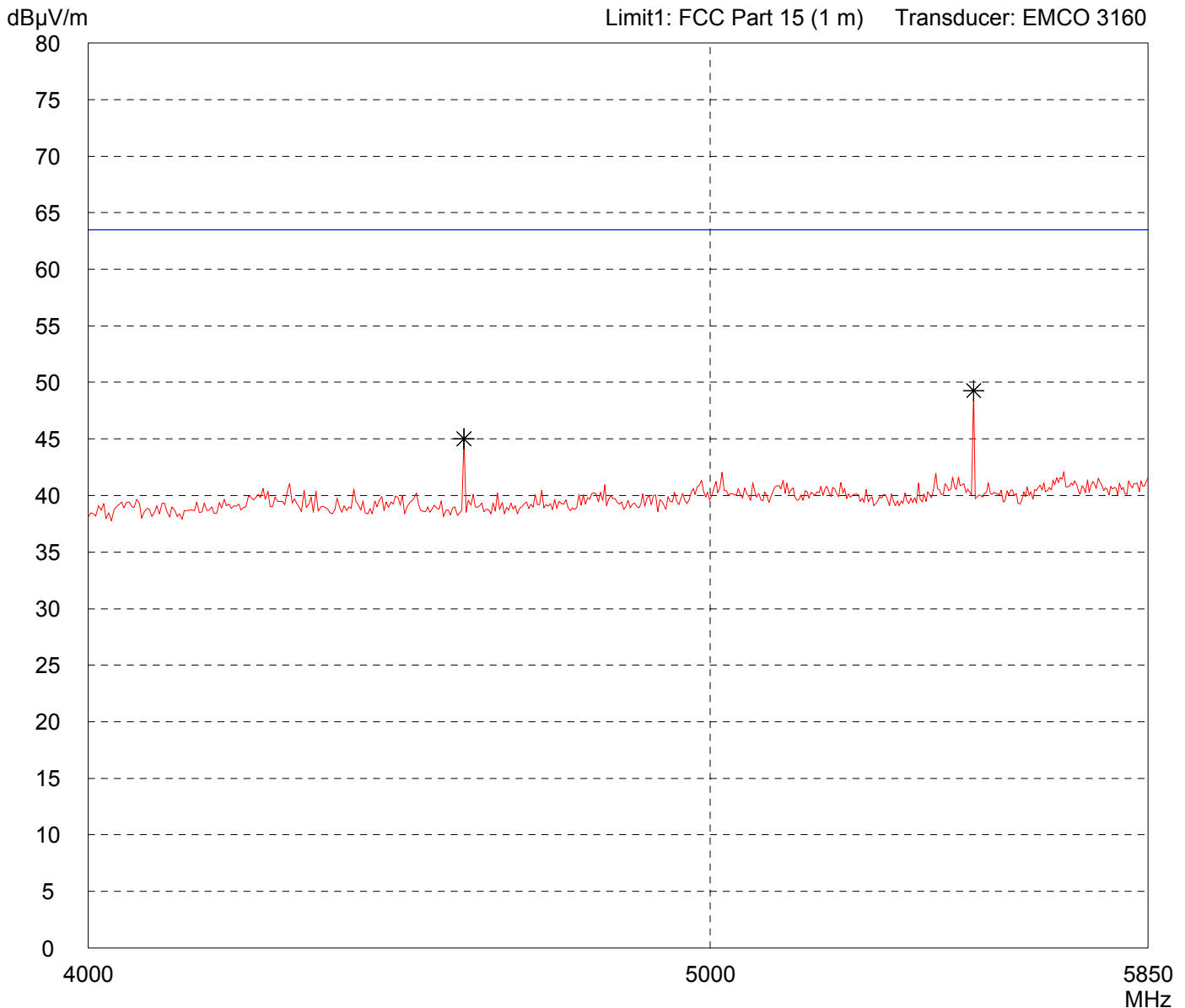


Result: Limit kept	Project file: 56109-61084-1	Page of Pages
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Radiated Emission Test 4 GHz - 5,85 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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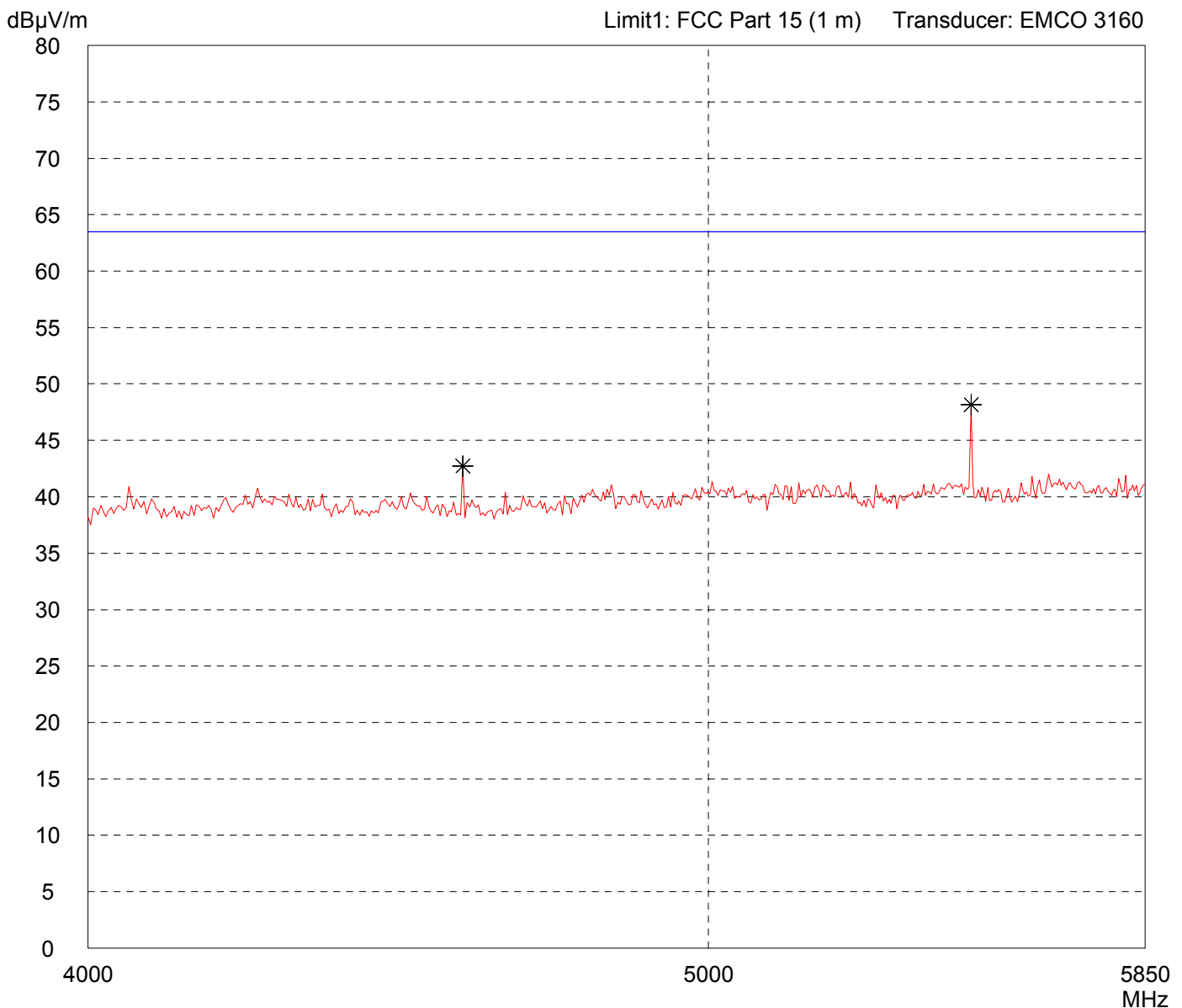


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 4 GHz - 5,85 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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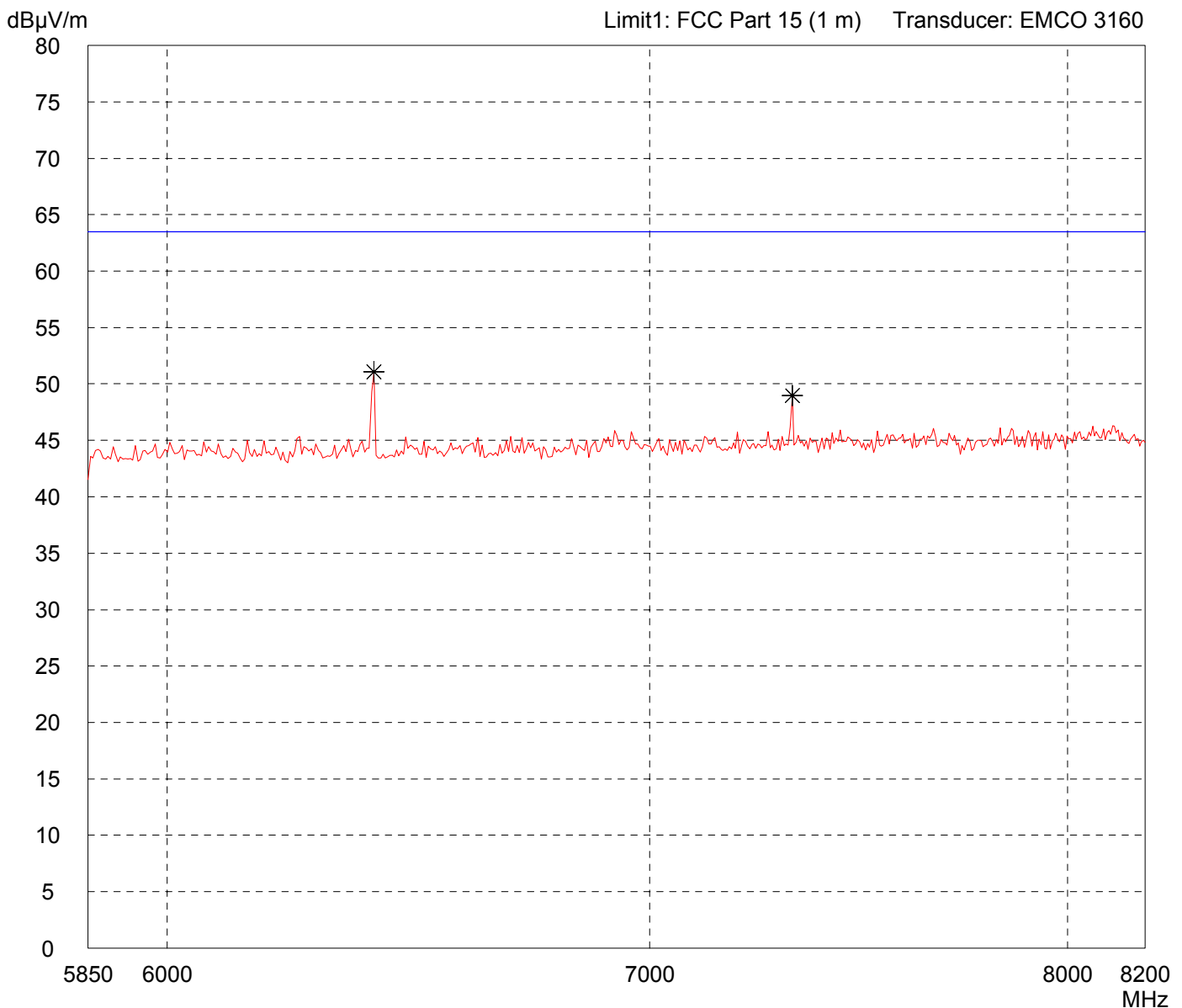


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 5,85 GHz - 8,2 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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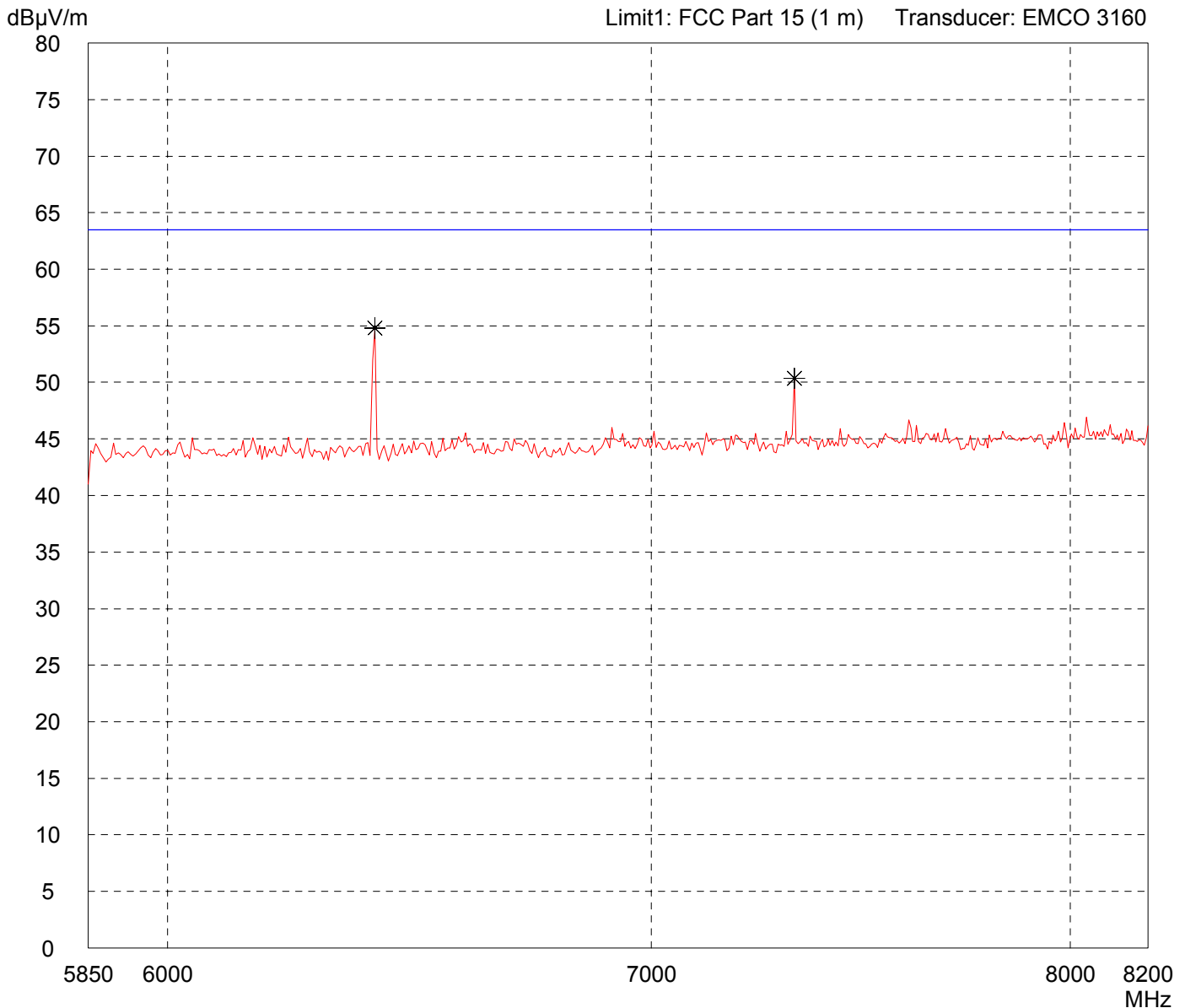


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 5,85 GHz - 8,2 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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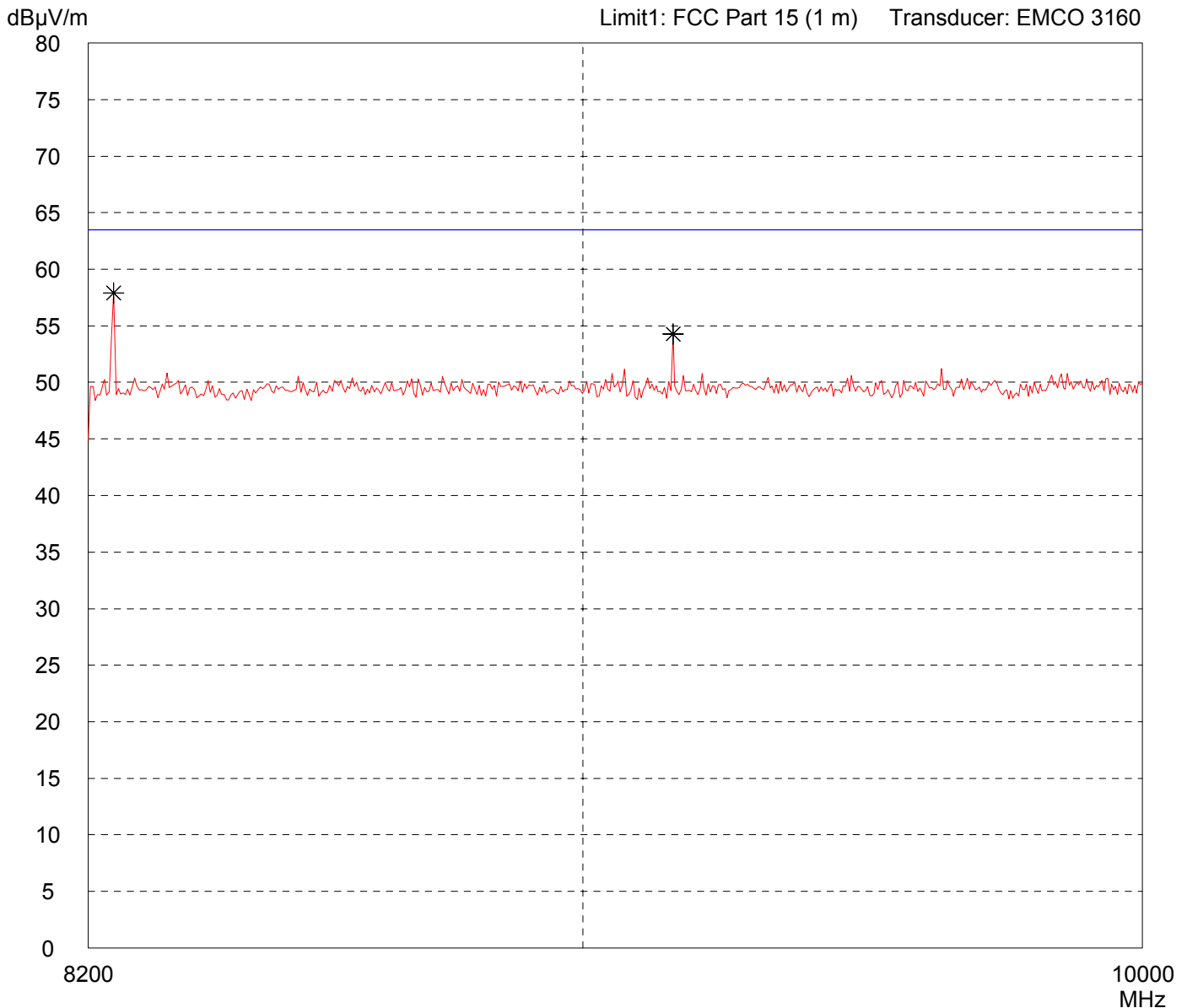


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 8,2 GHz - 10 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

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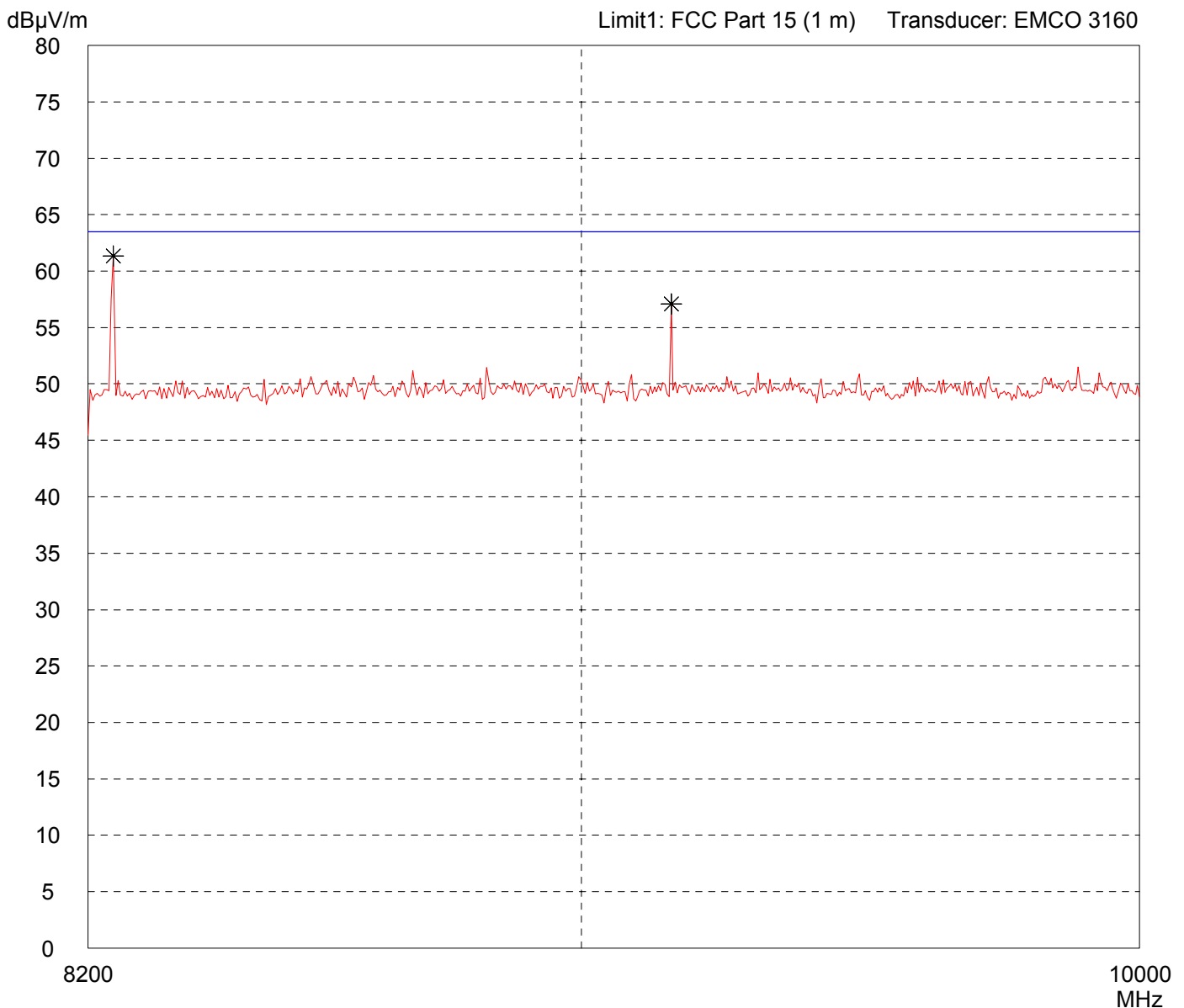


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Radiated Emission Test 8,2 GHz - 10 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

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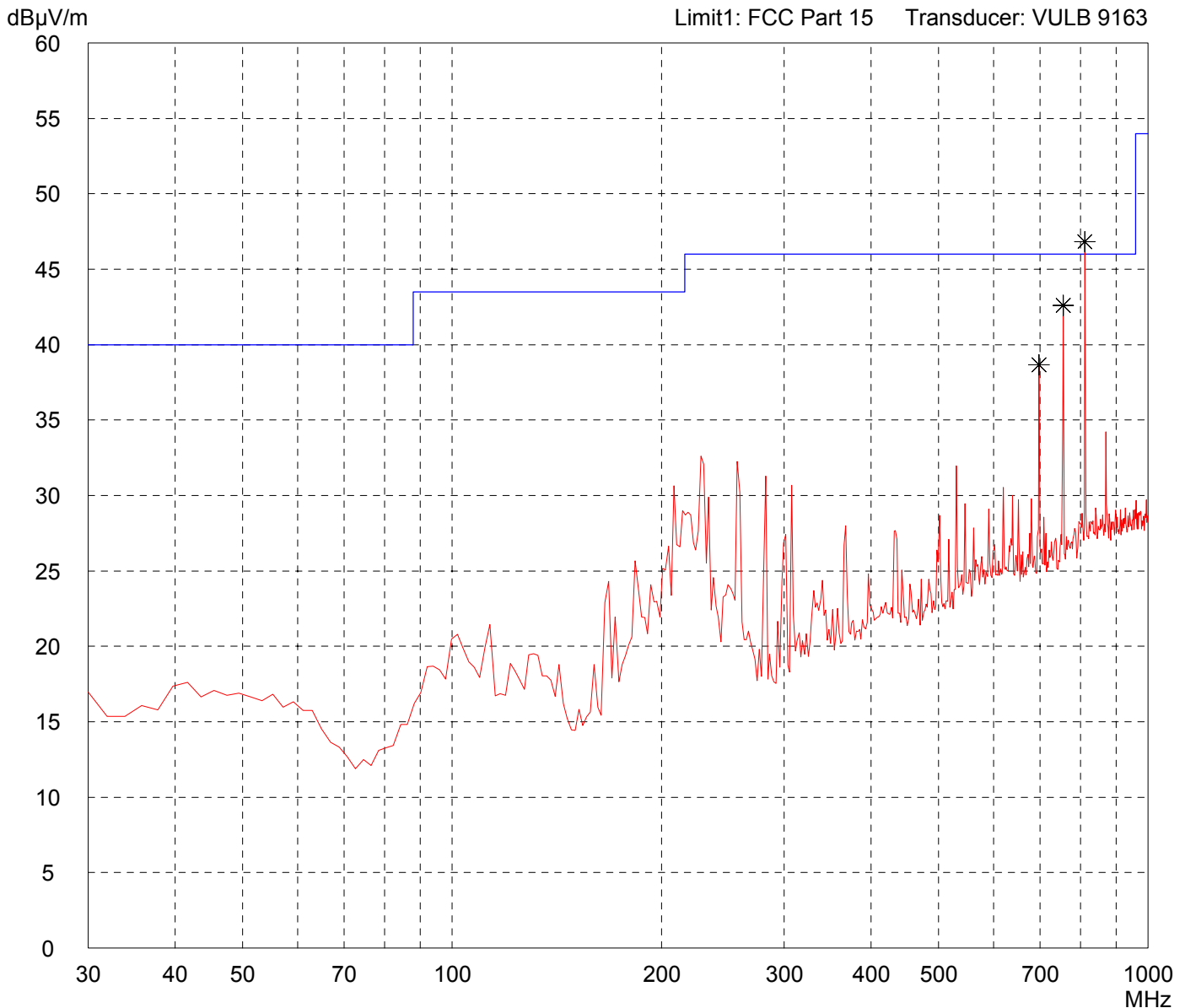


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: AC4790-200M-485	Comment: - TX at 927.50 MHz - Antenna: GM113 - Notch Filter at Fundamental frequency
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

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

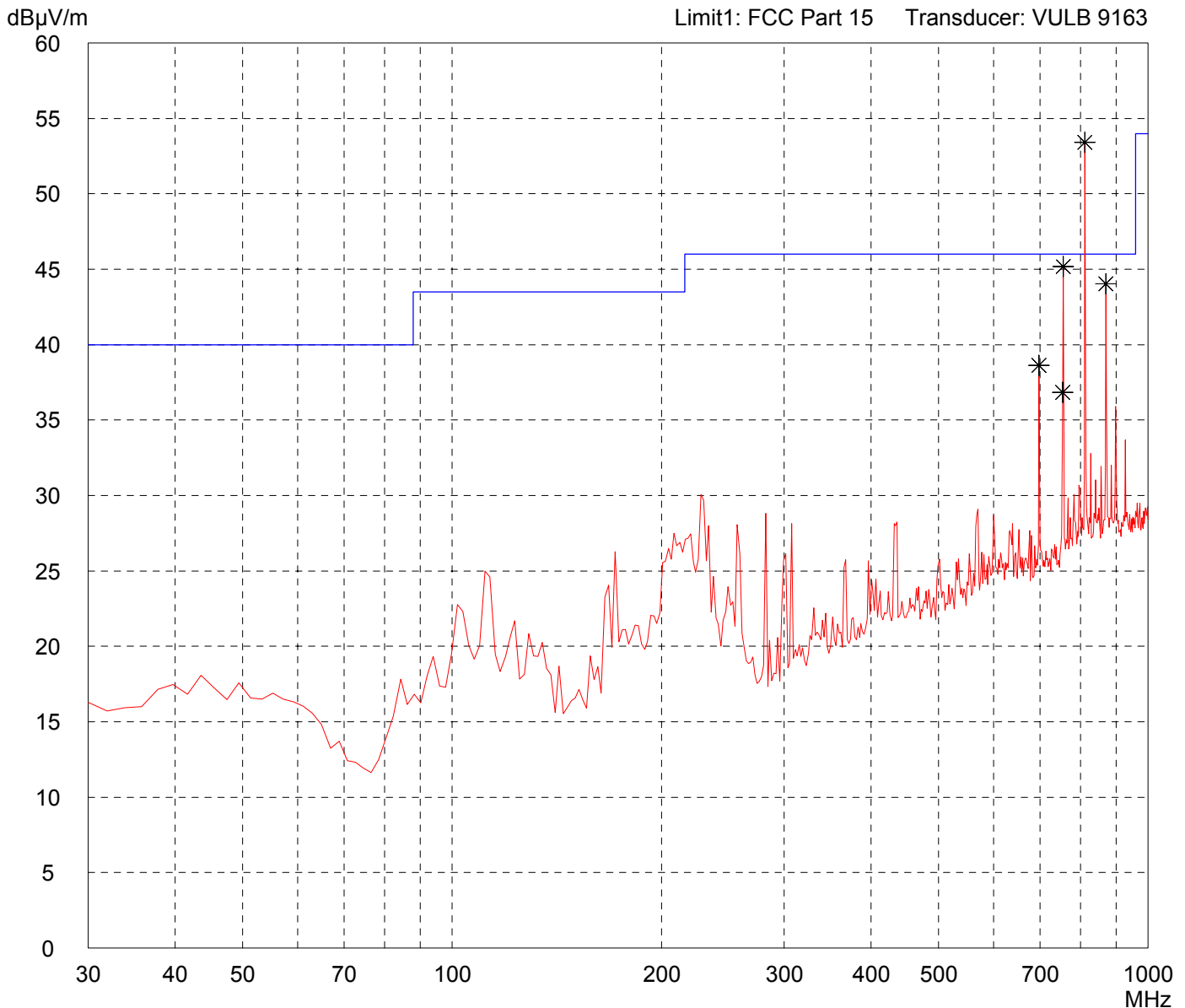


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: AC4790-200M-485	Comment: - TX at 927.50 MHz - Antenna: GM113 - Notch Filter at Fundamental frequency
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

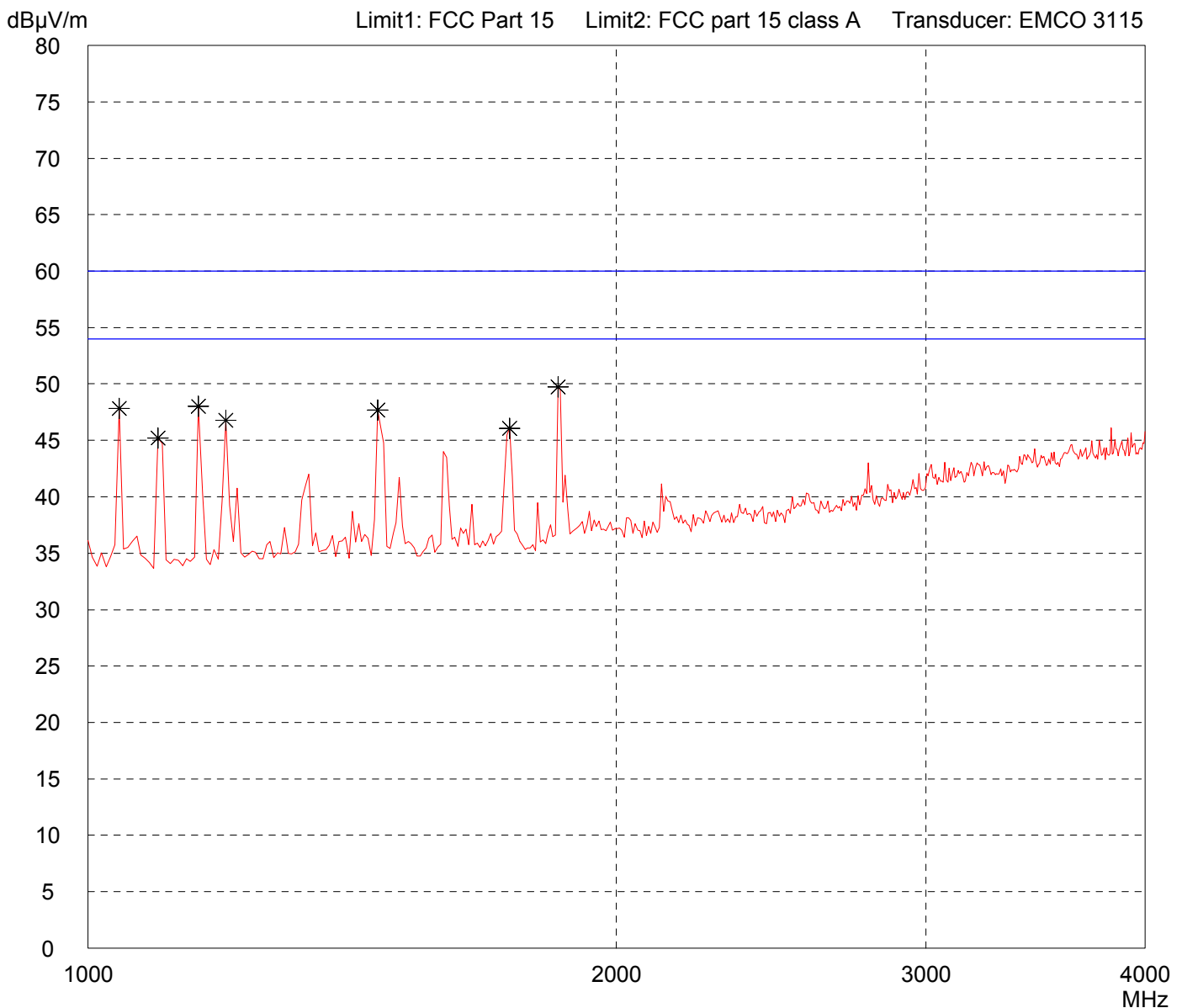
Detector: Peak	List of values: 10 dB Margin 50 Subranges
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Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (EMCO 3115)

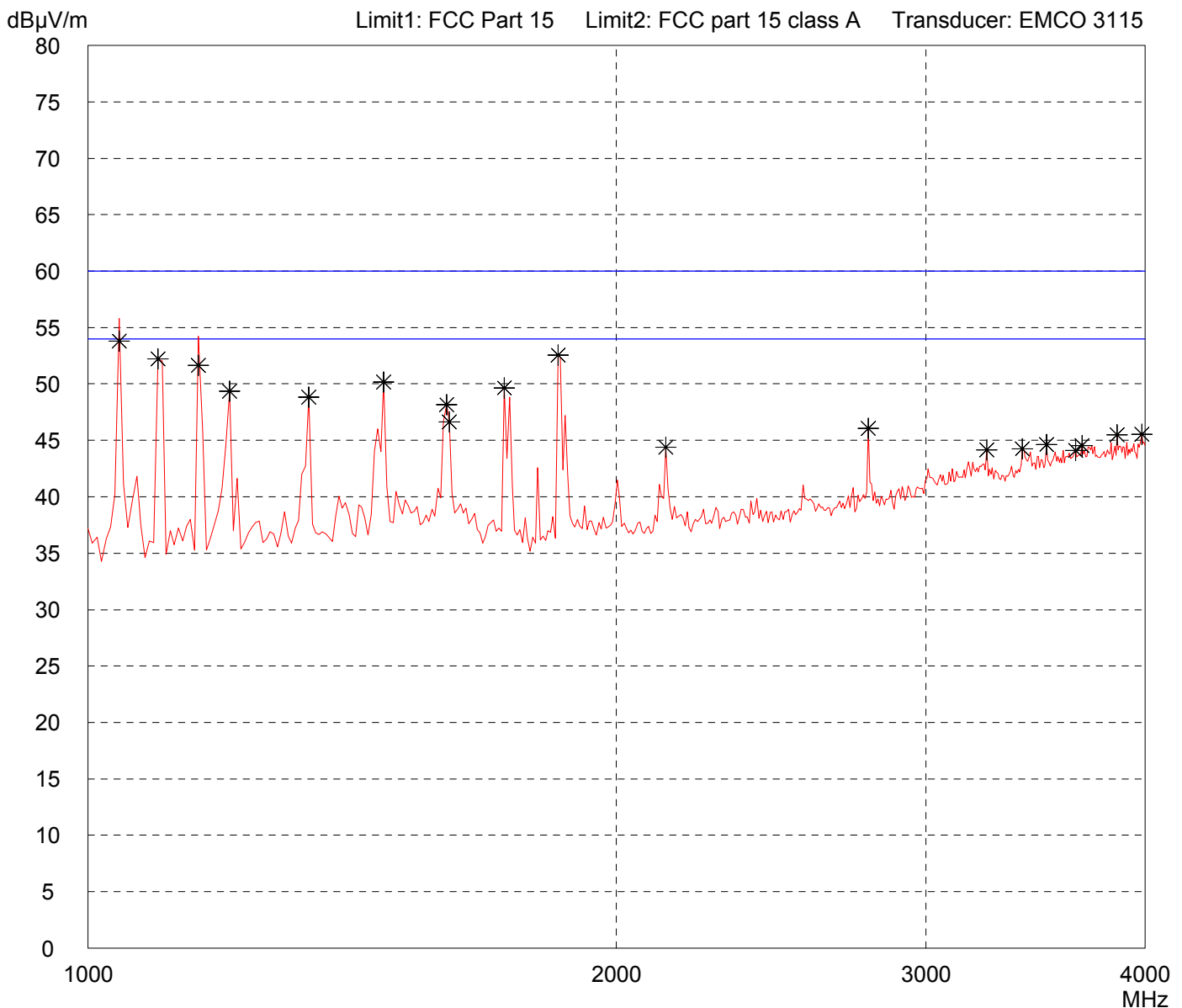
Model: AC4790-200M-485		Comment: - TX at 927.50 MHz - Antenna: GM113
Serial no.: Test Sample #1		
Applicant: AEROCOMM, Inc.		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 metres Horizontal Polarization		
Date of test: 01/26/2007	Operator: T. Eberl	List of values: Selected by hand
Test performed: automatically	File name: default.emi	
Detector: Peak		



Result: Limit kept	Project file: 56109-61084-1	Page of Pages
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Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (EMCO 3115)

Model: AC4790-200M-485		Comment: - TX at 927.50 MHz - Antenna: GM113
Serial no.: Test Sample #1		
Applicant: AEROCOMM, Inc.		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 metres Vertical Polarization		
Date of test: 01/26/2007	Operator: T. Eberl	List of values: Selected by hand
Test performed: automatically	File name: default.emi	
Detector: Peak (AV manual)		

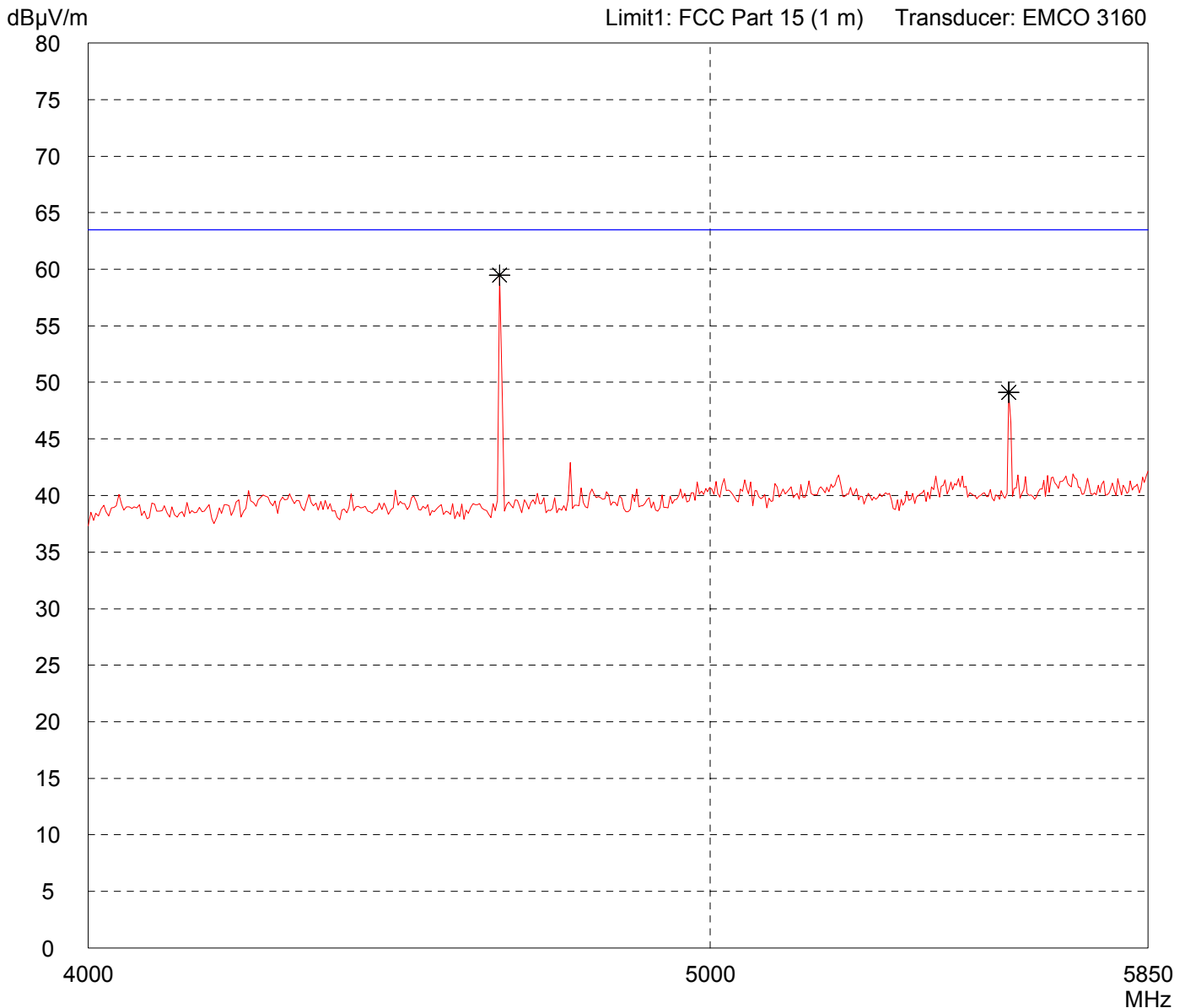


Result: Limit kept	Project file: 56109-61084-1	Page of Pages
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Radiated Emission Test 4 GHz - 5,85 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 927.50 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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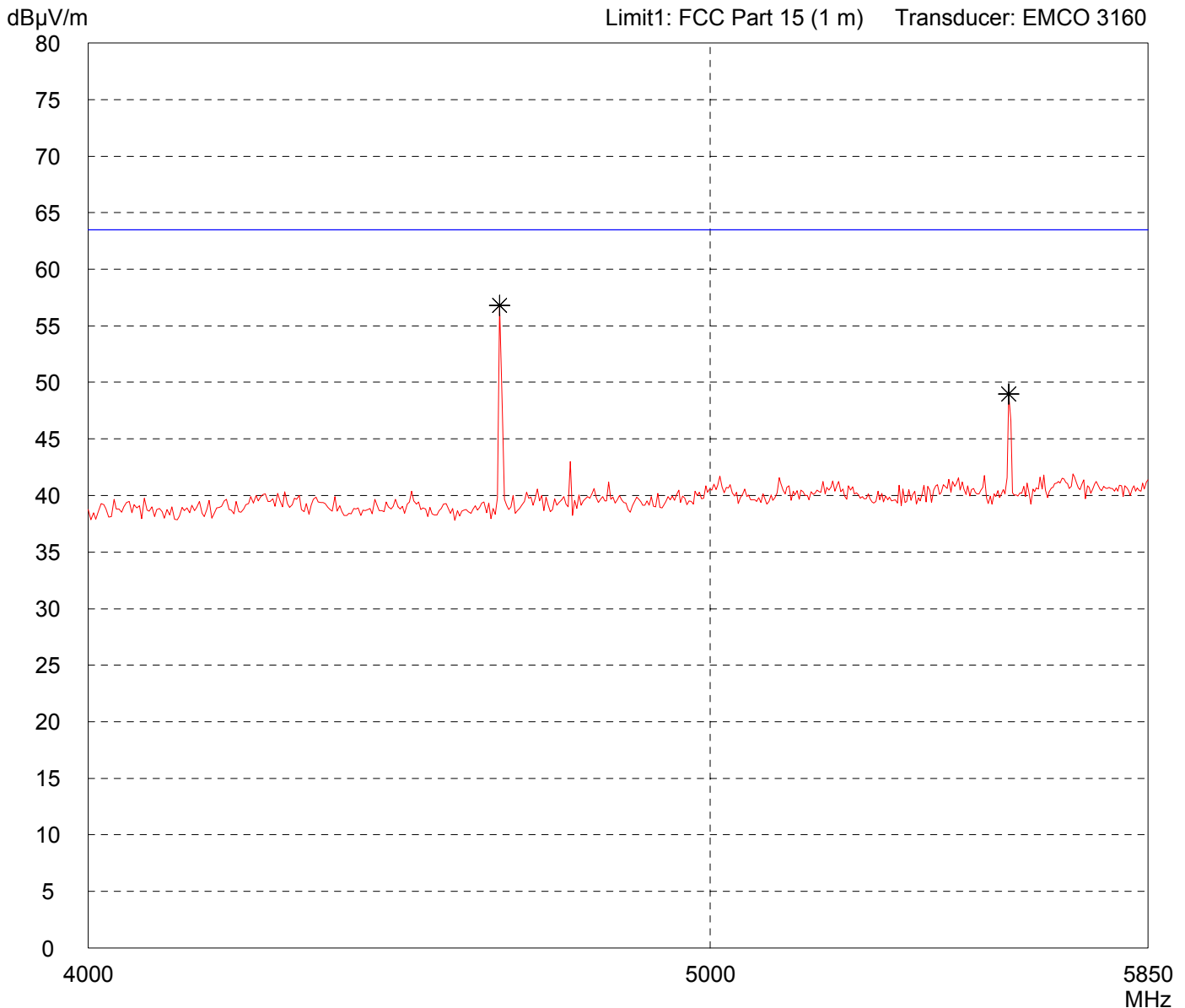


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 4 GHz - 5,85 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 927.50 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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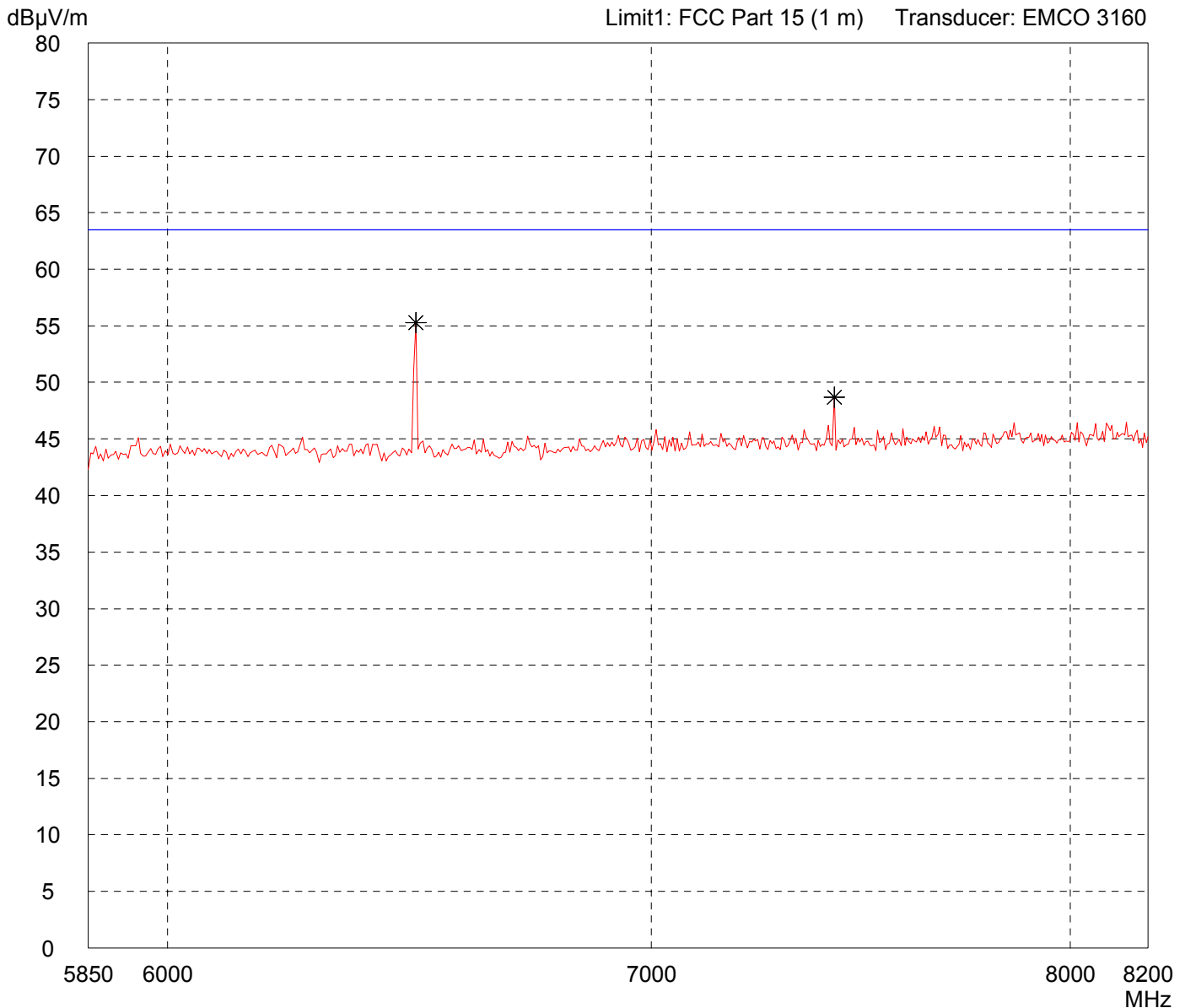


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 5,85 GHz - 8,2 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 927.50 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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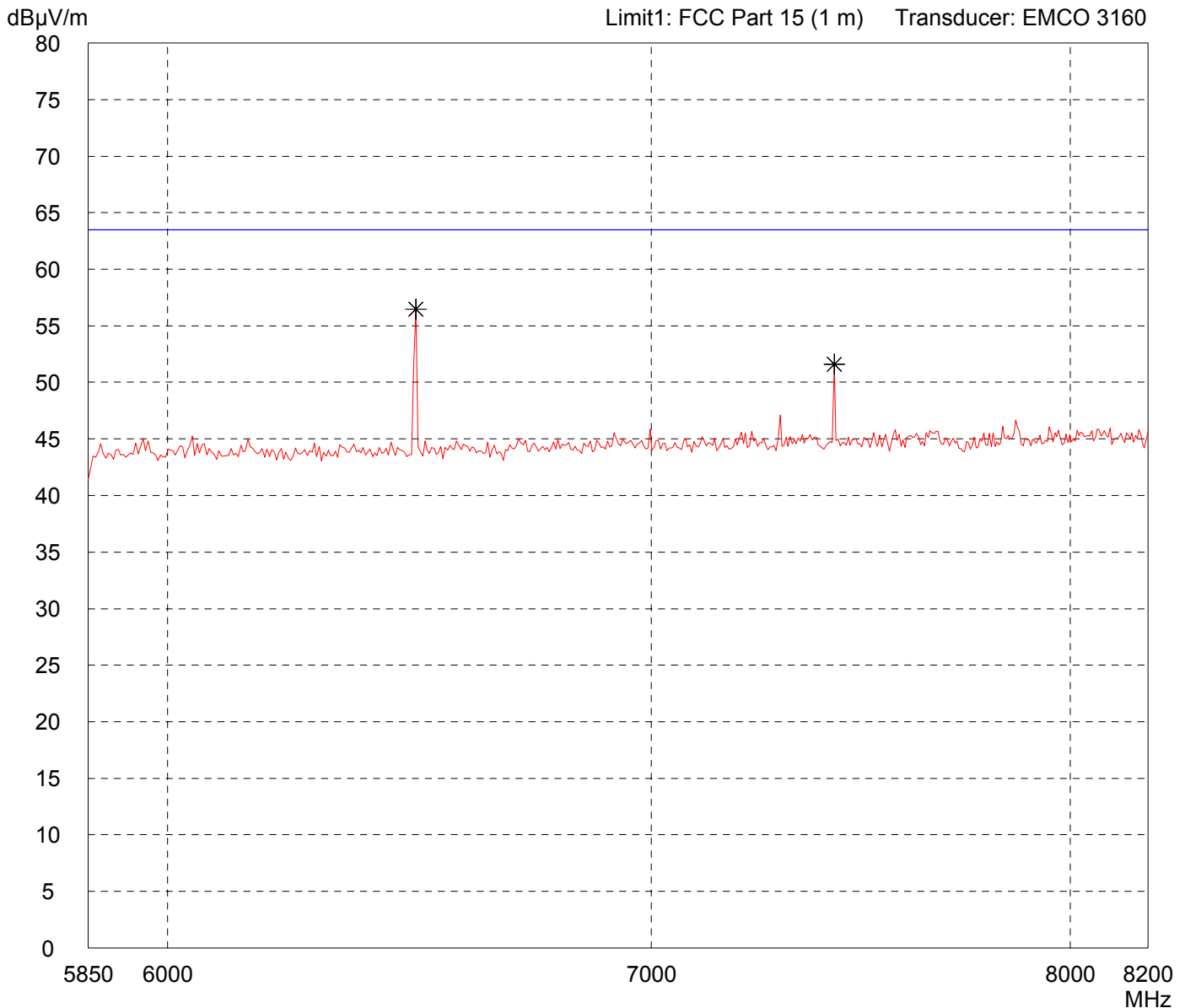


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 5,85 GHz - 8,2 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 927.50 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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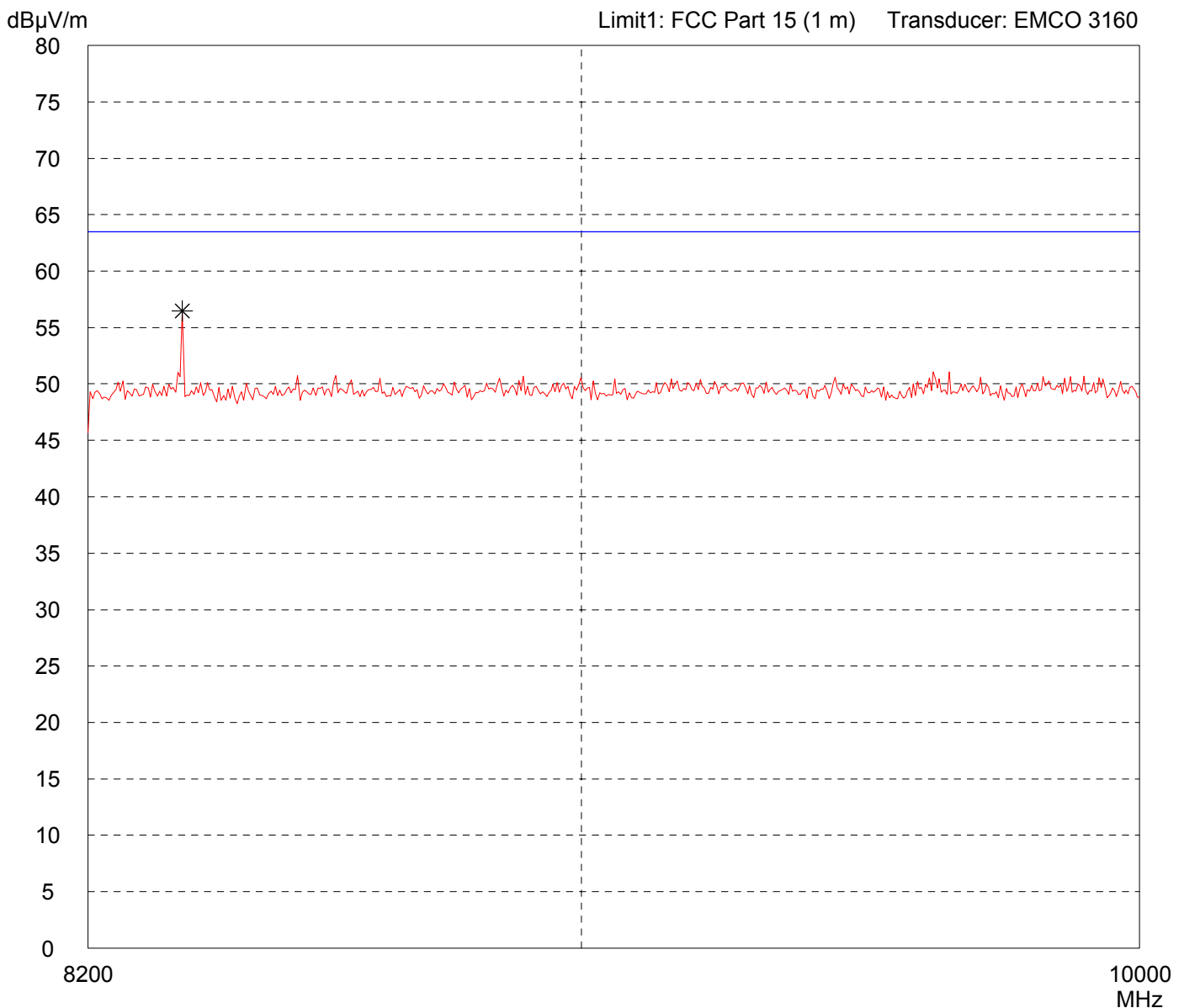


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 8,2 GHz - 10 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485		Comment: - TX at 927.50 MHz - Antenna: GM113
Serial no.: Test Sample #1		
Applicant: AEROCOMM, Inc.		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 1 meter Horizontal Polarization		
Date of test: 01/25/2007	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

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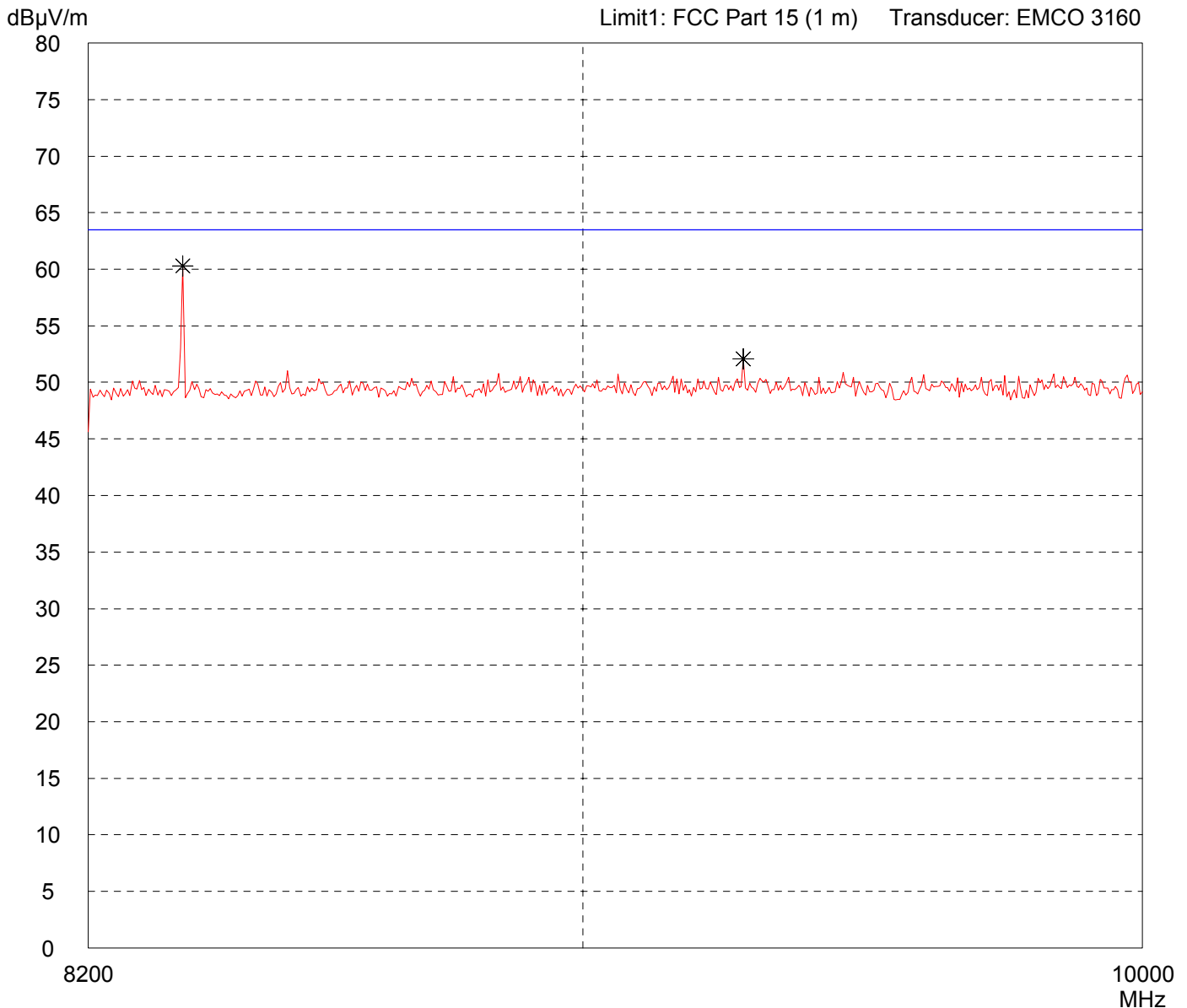


Result: Limit kept	Project file: 56109-61084-1 Page of Pages
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Radiated Emission Test 8,2 GHz - 10 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - TX at 927.50 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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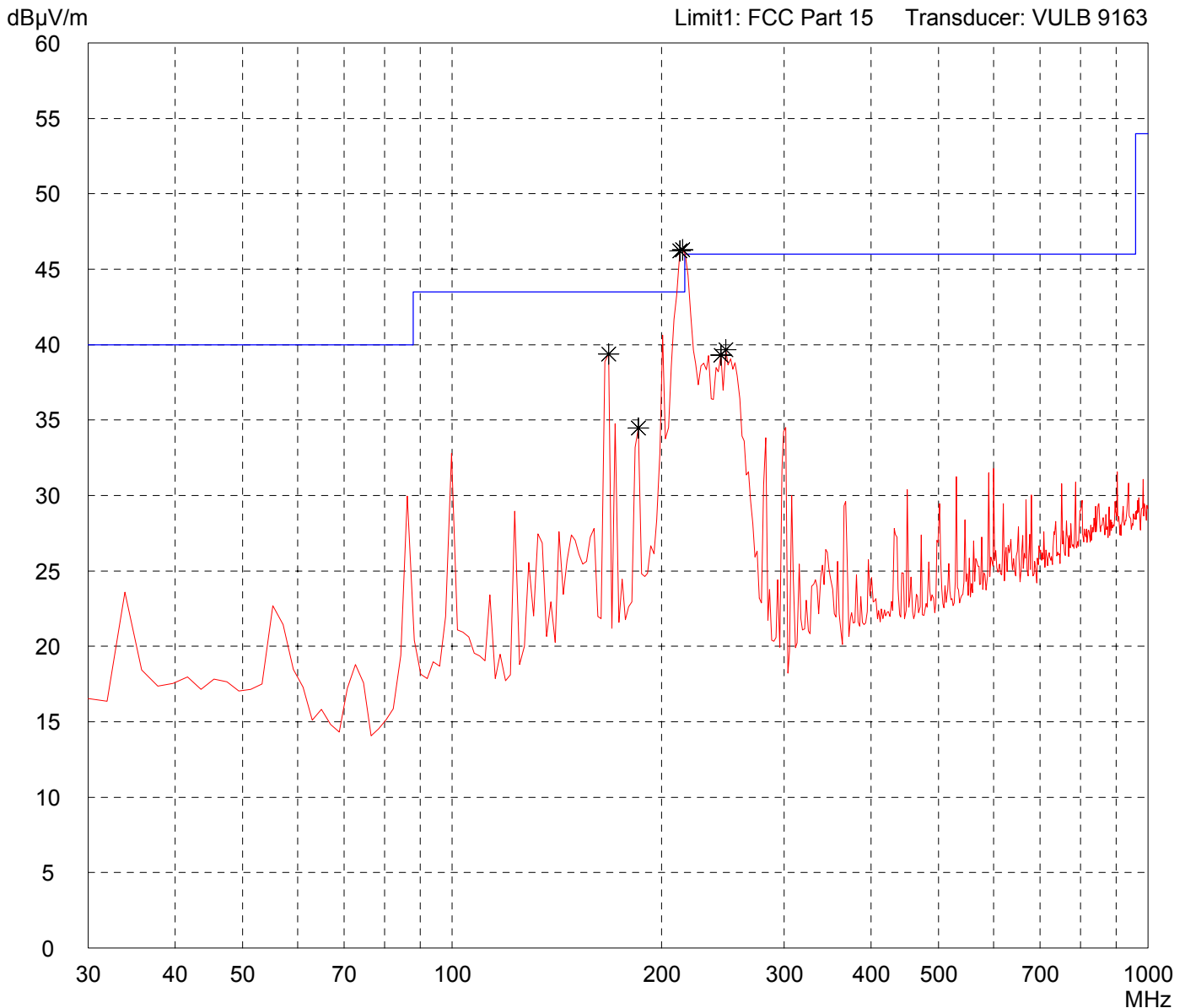


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: AC4790-200M-485	Comment: - TX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

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

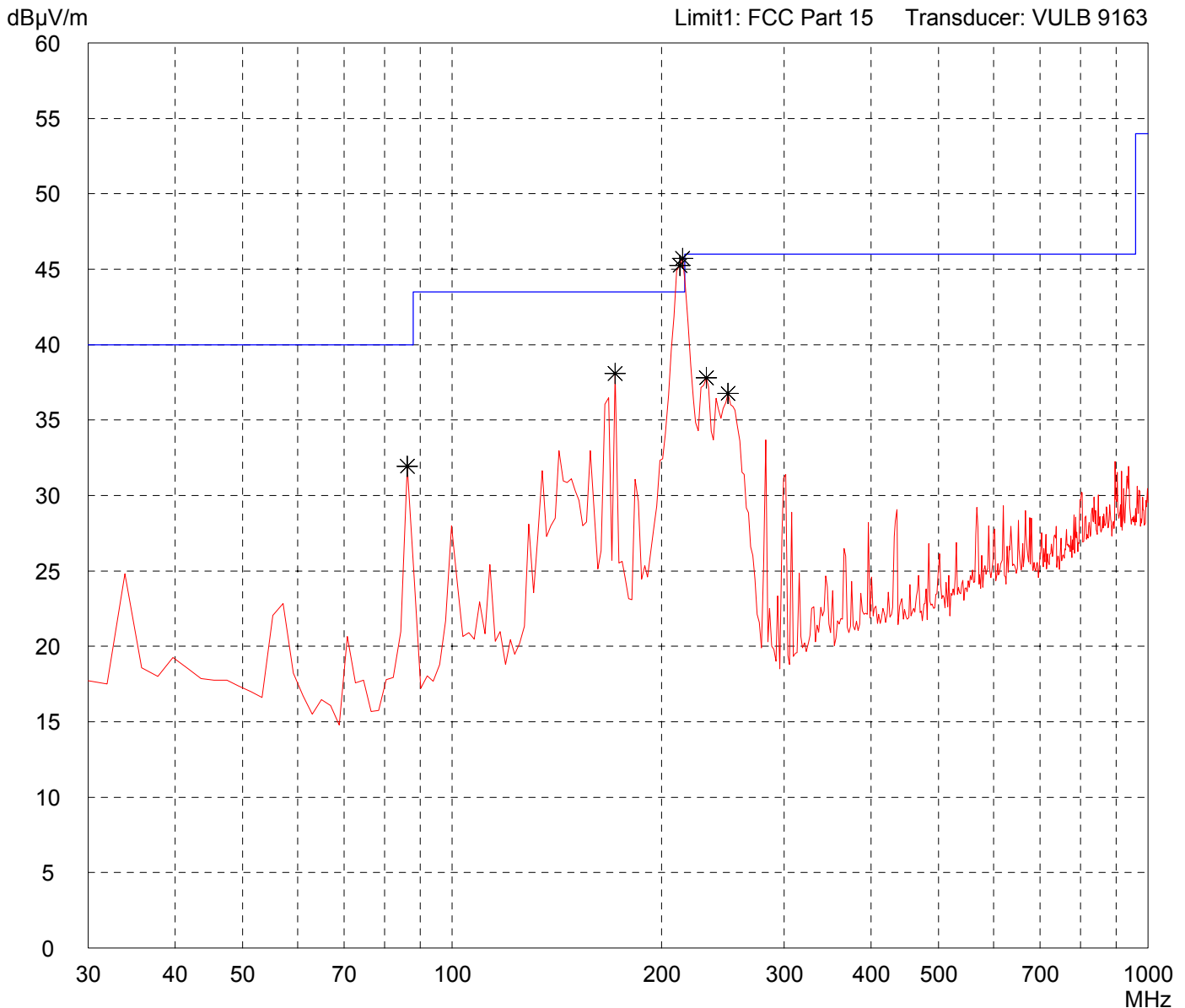


Result: Prescan	Project file: 56109-61084-1
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Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: AC4790-200M-485	Comment: - TX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

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

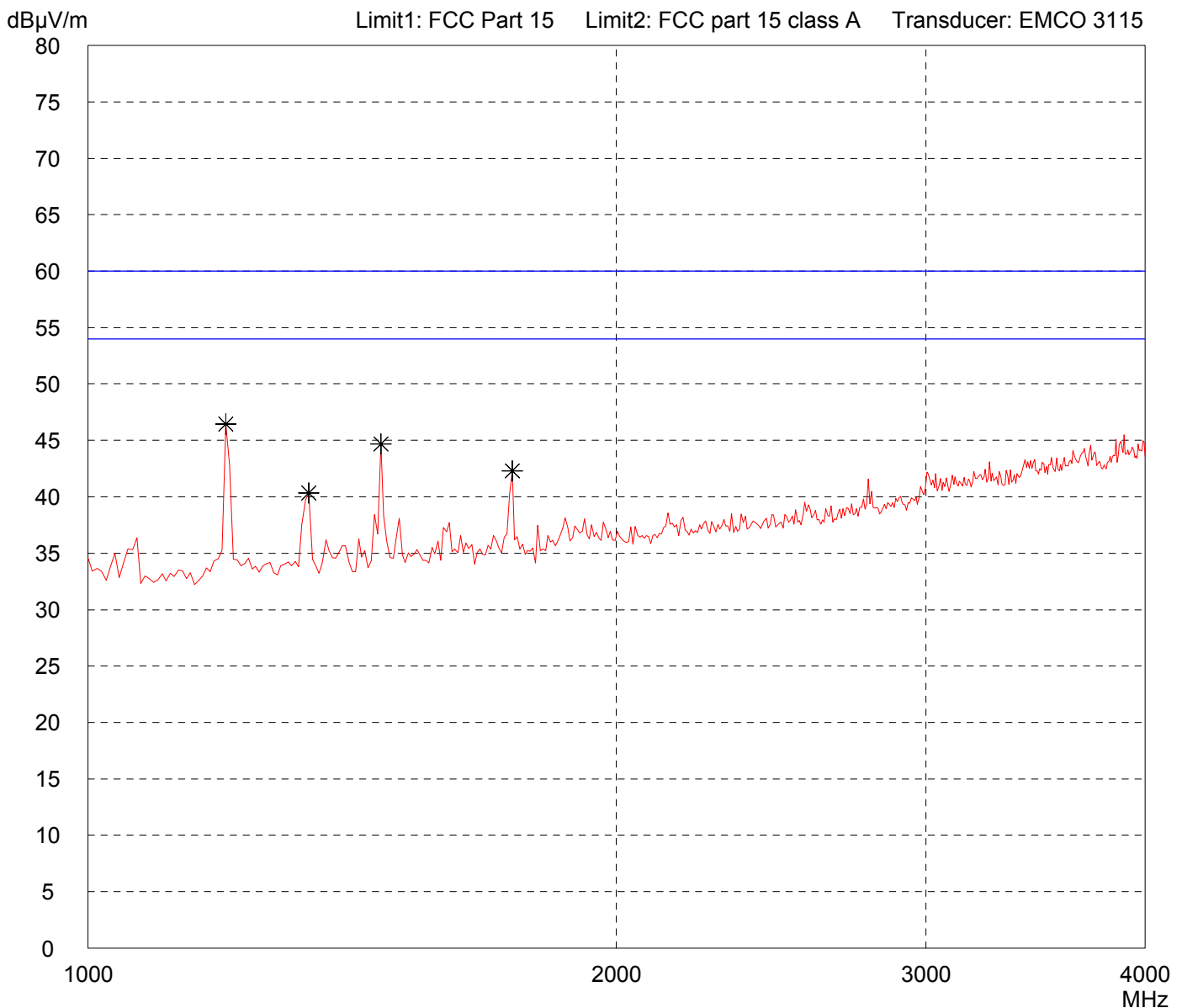


Result: Prescan	Project file: 56109-61084-1
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Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (EMCO 3115)

Model: AC4790-200M-485	Comment: - RX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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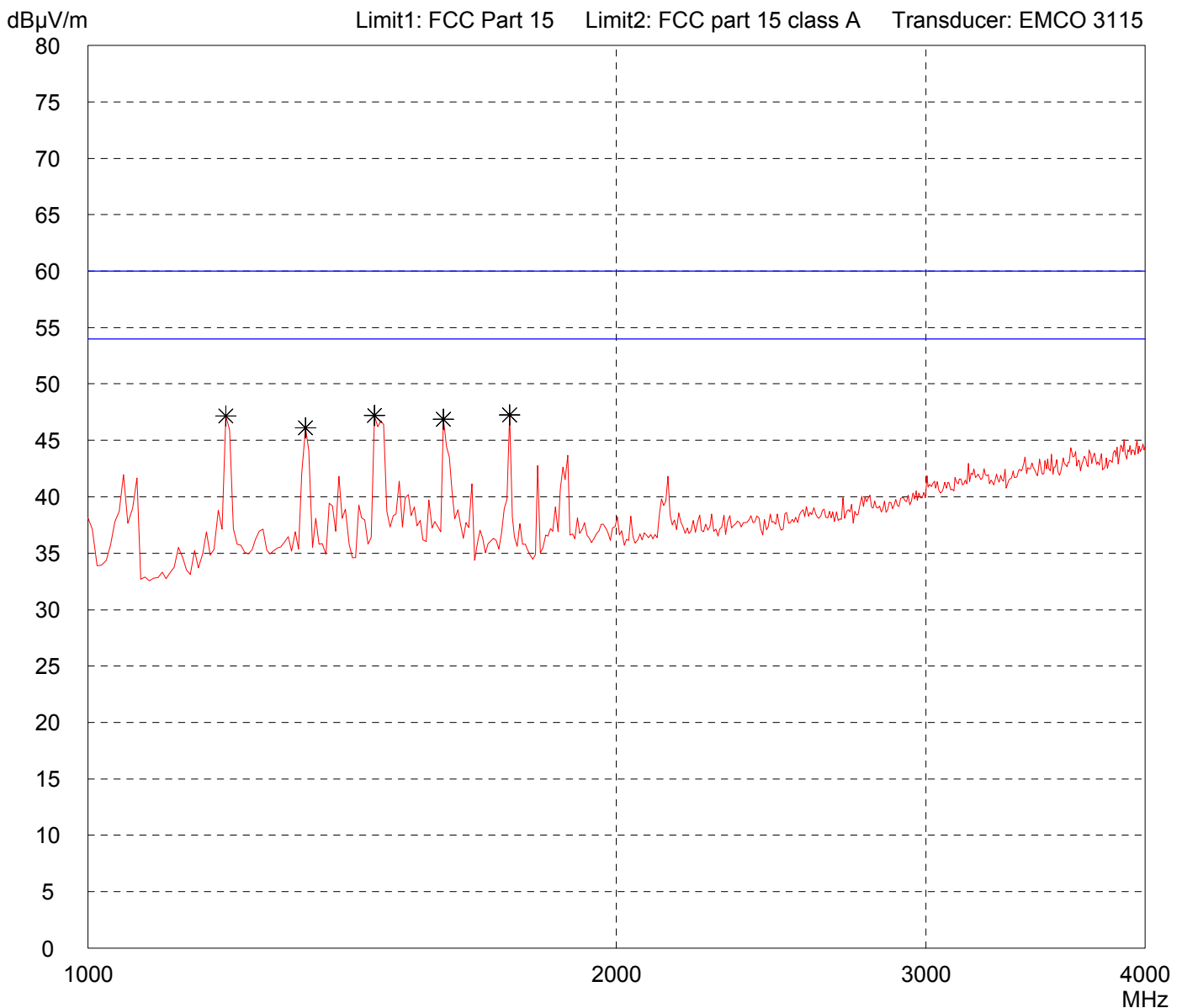


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (EMCO 3115)

Model: AC4790-200M-485	Comment: - RX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
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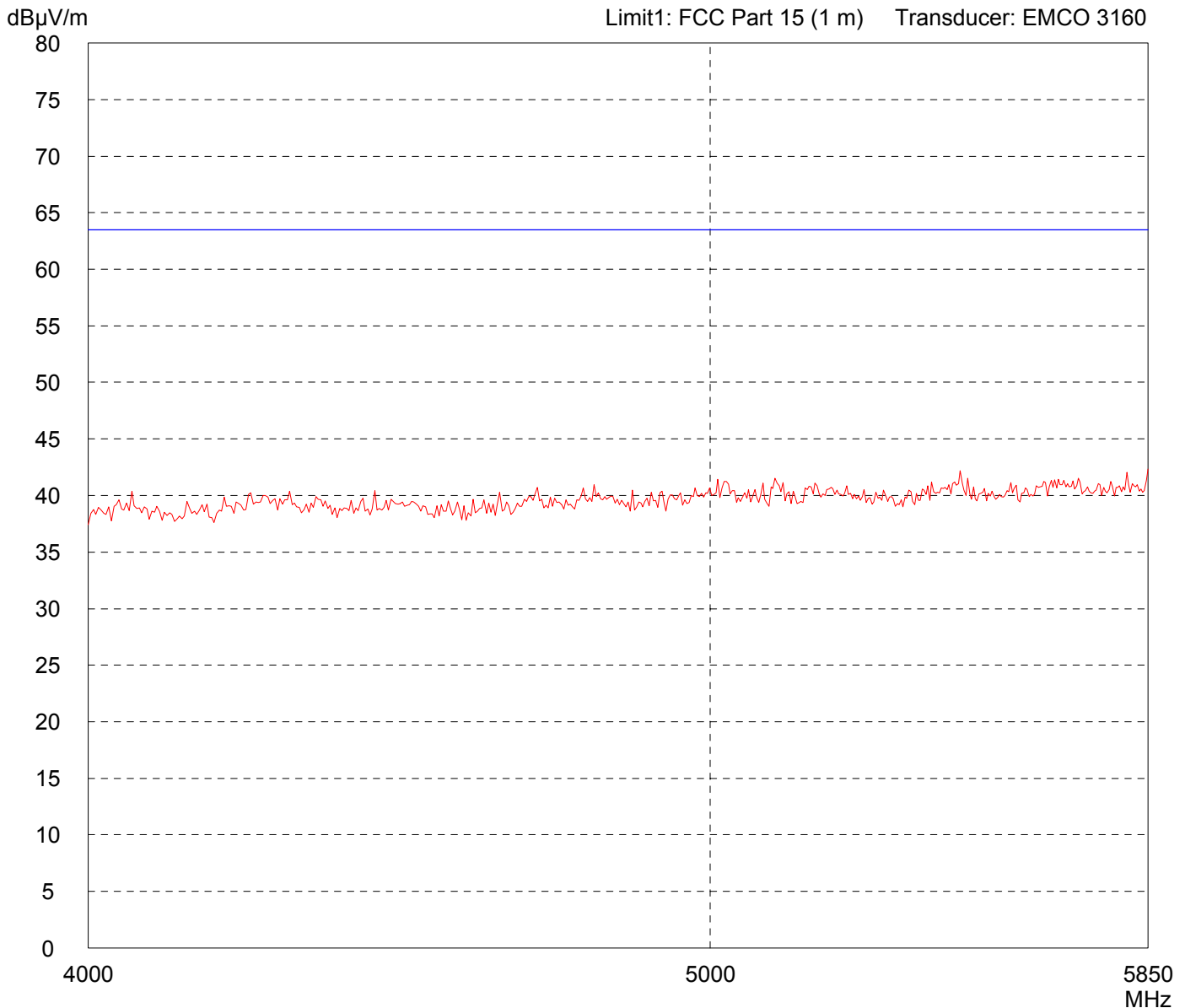


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 4 GHz - 5,85 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - RX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

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

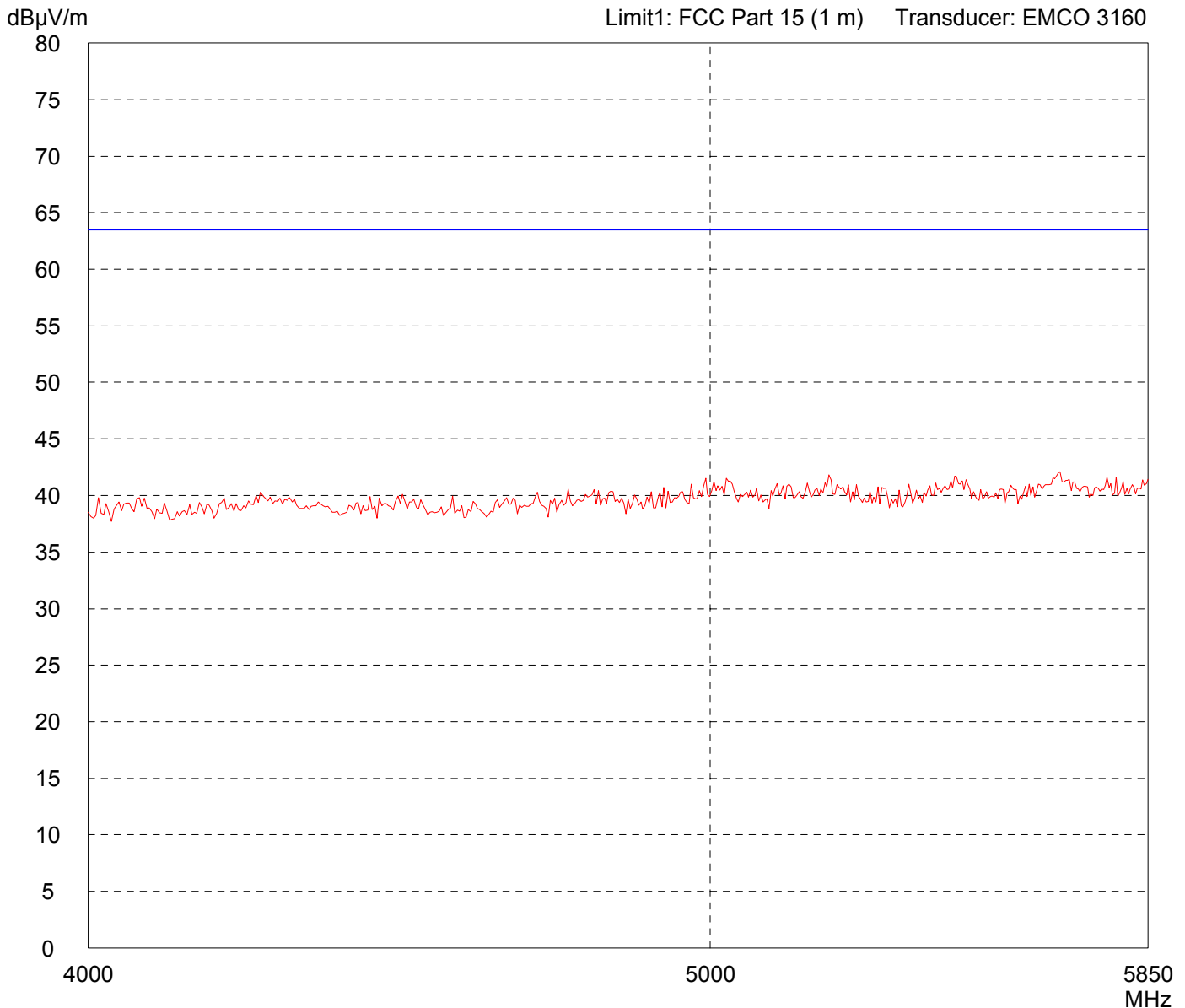


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 4 GHz - 5,85 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - RX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

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

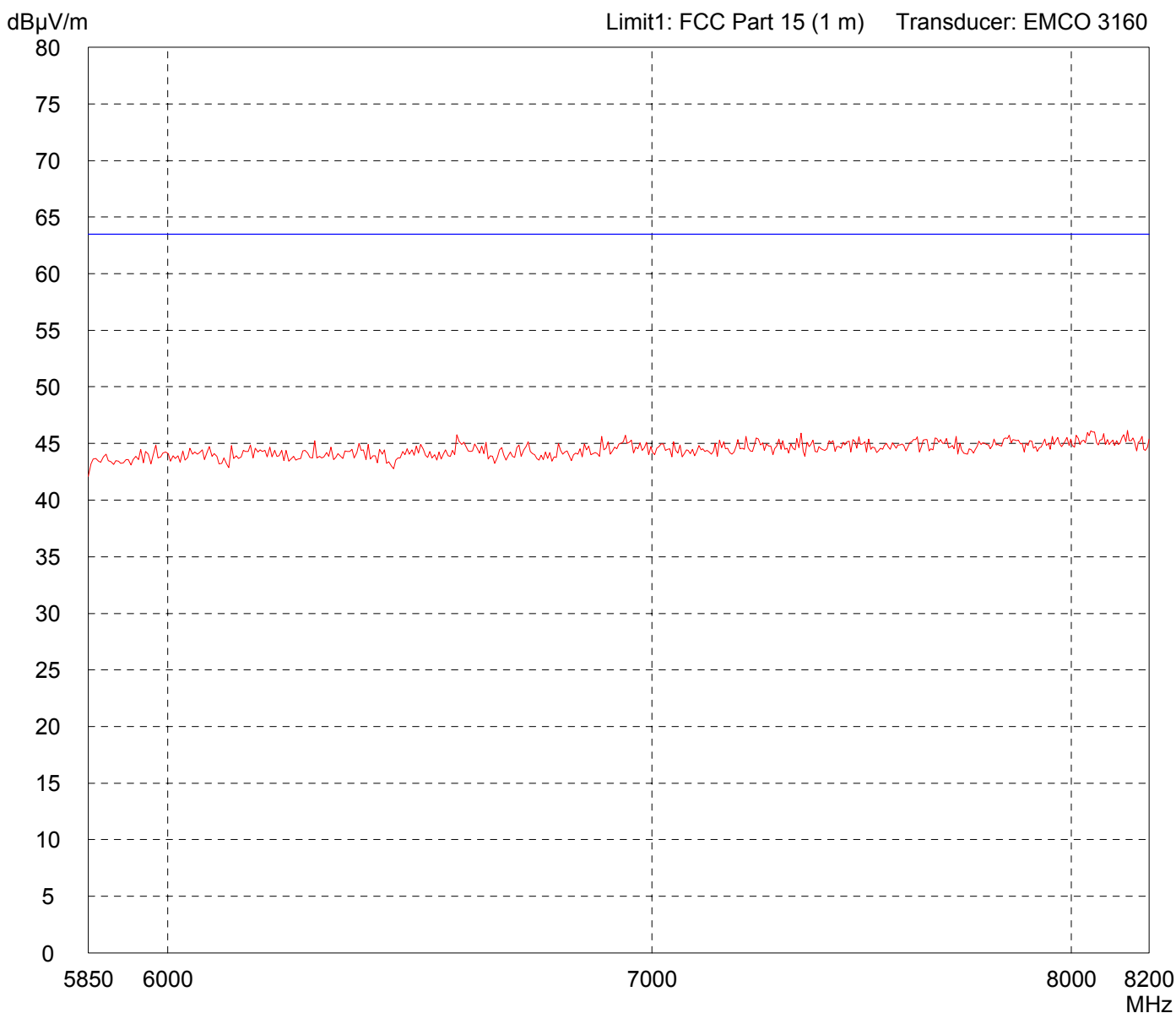


Result: Limit kept	Project file: 56109-61084-1
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Radiated Emission Test 5,85 GHz - 8,2 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - RX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

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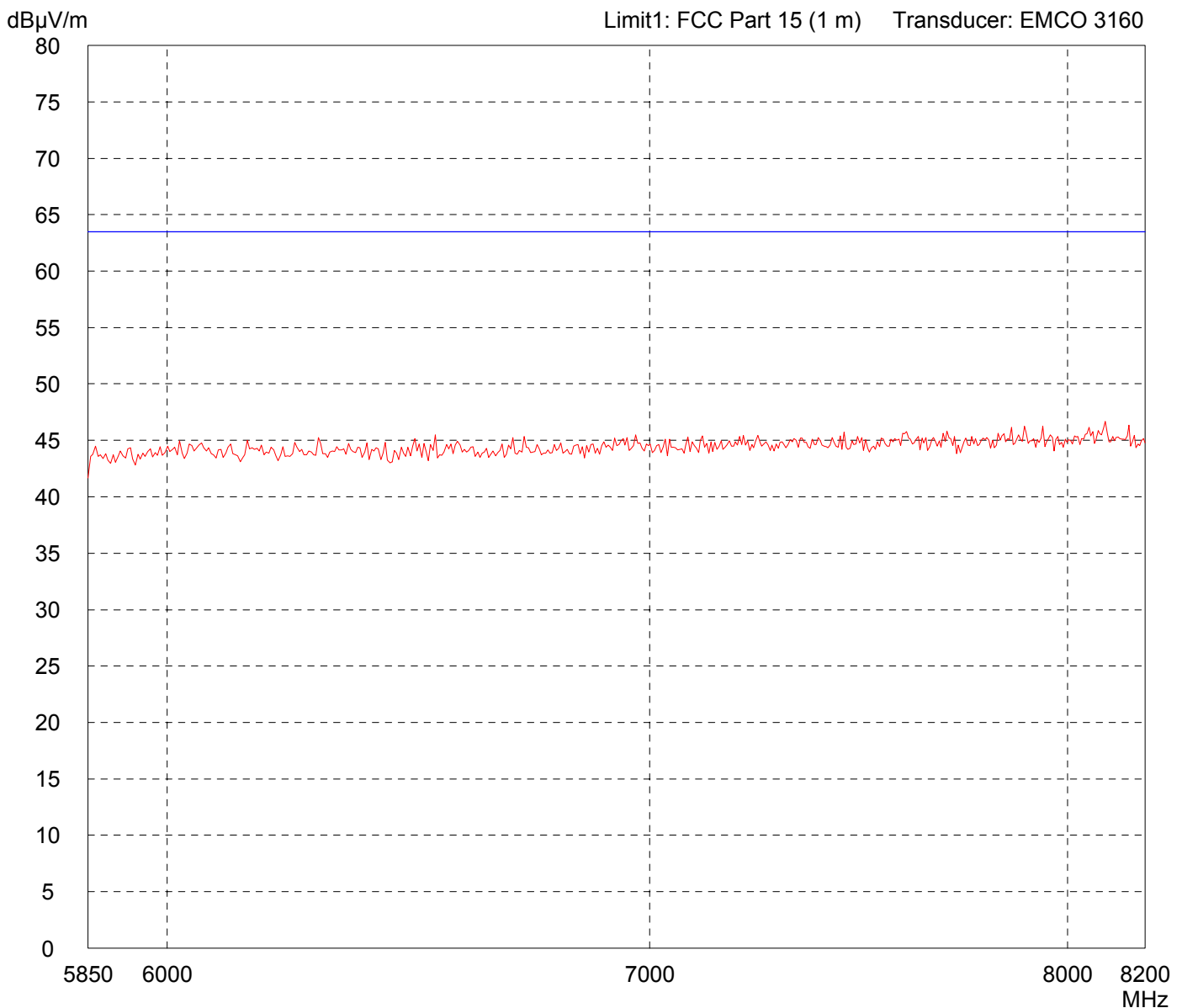


Result: Limit kept	Project file: 56109-61084-1 Page of Pages
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Radiated Emission Test 5,85 GHz - 8,2 GHz acc. to FCC Part 15 (EMCO 3160)

Model: AC4790-200M-485	Comment: - RX at 915.38 MHz - Antenna: GM113
Serial no.: Test Sample #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 01/25/2007	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: 10 dB Margin 50 Subranges
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Result: Limit kept	Project file: 56109-61084-1 Page of Pages
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