

Straubing, 04 March 2004

TEST - REPORT

No. 56109-40074

for

AC4424-100

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

RSS 210, Issue 5, November 2001,
Section 6.2.2. (o)

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.

Table of Contents

1.	Administrative Data.....	3
2.	Identification of Test Laboratory	4
3.	Operation Mode of EUT.....	5
4.	Configuration	6
5.	Measuring Methods	7
5.1.	Maximum Transmitter Power	7
5.2.	Mean power of emissions 30 MHz – 1 GHz	9
5.3.	Radiated Emission > 1 GHz	10
6.	Photographs Taken During Testing	11
7.	List of Measurements	14
8.	Referenced Regulations	33
	Charts taken during testing	34

1. Administrative Data

Test item (EUT)	
Type designation	AC4424-100
Serial number(s):	001
Type of equipment:	RF Transceiver
Parts/accessories:	---
FCC-ID:	KQL-AC4424-100
Technical data	
Frequency range	2400 - 2483.5 MHz
Operational frequencies	FHSS
Type of modulation	N/A
Pulse frequency	N/A
Pulse width	N/A
Antenna	- Nearson S131AM-2450S (2.0 dBi gain) - Nearson S191FL-L-RMM-2450S 3.0 dBi gain) (used for testing)
Power supply	5.0 V DC
Applicant: (full address)	
AEROCOMM, Inc. 10981 Eicher Drive Lenexa, KS 66219, USA	
Contract identification:	---
Contact person:	Matthew Maslak
Manufacturer:	Applicant
Application details	
Receipt of EUT:	11 February 2004
Date of test:	27 February 2004
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. TTI-P-G 062/94-01
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.

4. Configuration

Configuration of the EUT
A full test setup was supplied by the applicant A Nearson S191FL-L-RMM-250S antenna was used for radiated emission testing

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 C63.4-1992

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 = 100 kHz, VBW = 100 kHz, span = 1 MHz, sweep = 20 ms (auto mode)

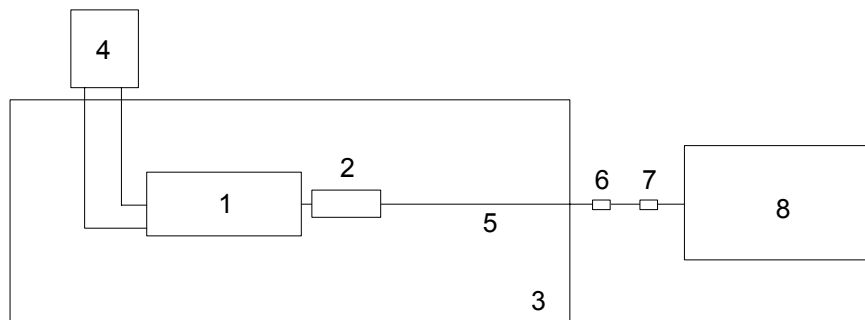


Figure 1: Measurement setup for testing on antenna connector

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

5.1.2. Radiated Maximum Transmitter Power

Radiated Maximum Transmitter Power was measured with detector-function of the spectrum analyzer set to positive peak and trace mode max hold:
RBW = 100 kHz, VBW = 100 kHz, span = 1 MHz, sweep = 15 s

For measurement setup and procedure see section 5.2

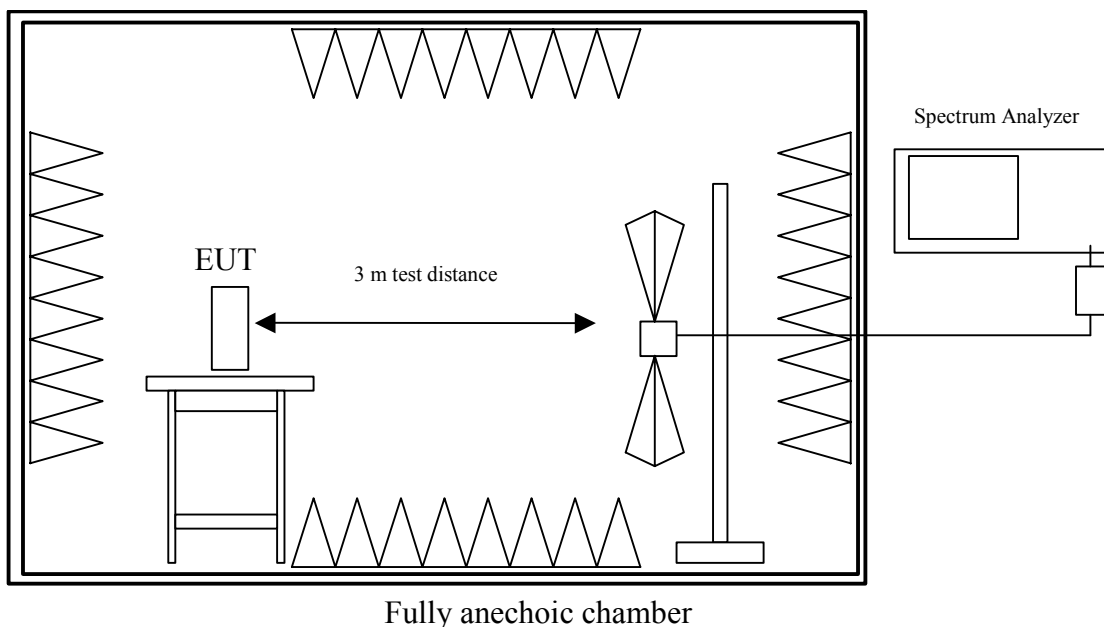
5.2. Mean power of emissions 30 MHz – 1 GHz

Rules and Specifications:	Section 15.247
Guide:	ANSI C63.4-1992

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.



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

5.3. Radiated Emission > 1 GHz

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

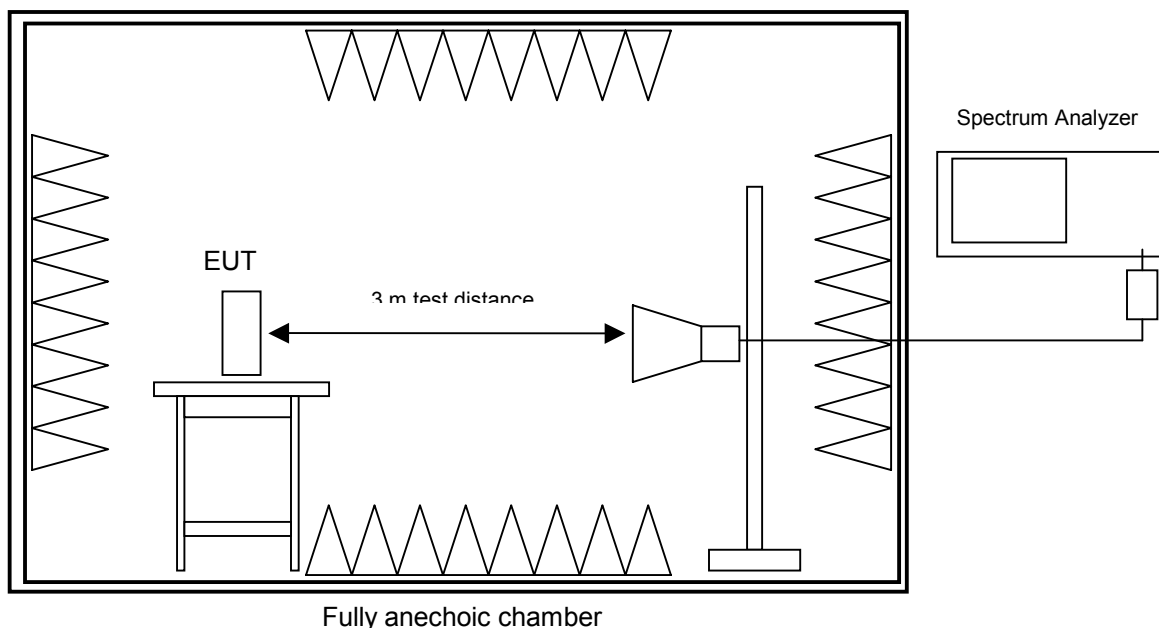
Measurement Procedure:

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).



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

6. Photographs Taken During Testing

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



Test setup for conducted AC Powerline Emission Measurement



7. List of Measurements

FCC Part 15 Subpart C			
Section(s):	Test	Page(s)	Result
	Transmitter:		
15.205	Restricted Bands	---	Pass
15.247 (a) (1)	Channel Bandwidth	16	Pass
15.247 (a) (1)	Hopping channel separation	18	Pass
15.247 (a) (1) (iii)	Number of Hopping Frequencies used	20	Pass
15.247 (a) (1) (iii)	Dwell Time of each frequency within a 10 Second Period of Time	21	Pass
15.247 (b) (2)	Maximum Peak Output Power	23	Pass
15.247 (c)	Spurious emissions - conducted	25	Pass
15.247 (c) 15.209	Spurious emissions - radiated	29	Pass
15.247 (g)	Compliance with applicable requirements for FHSS	---	
15.247 (h)	Limitation on avoidance on hopping in occupied channel	---	
15.203	Antenna Requirement	30	
2.1093	RF Exposure Requirement	31	Pass
15.207	Conducted AC Powerline Emissions	32	Pass
	Receiver		
15.111	Spurious emissions on antenna port	---	N/A
15.109	Radiated Emissions	33	Pass

RSS 210, Issue 5			
Section(s):	Test	Page(s)	Result
6.2.2 (o) (e3) (a) (a2) (a2) (a2) (a2) (a2) (e1) (e1) (e2) 14 6.6 7.2 7.3			
	Transmitter:		
	Restricted Bands	---	Pass
	Channel Bandwidth	16	Pass
	Hopping channel separation	18	Pass
	Number of Hopping Frequencies used	20	Pass
	Dwell Time of each frequency within a 10 Second Period of Time	21	Pass
	Maximum Peak Output Power	23	Pass
	Spurious emissions - conducted	25	Pass
	Spurious emissions - radiated	29	Pass
	Antenna Requirement	30	
	RF Exposure Requirement	31	Pass
	Conducted AC Powerline Emissions	32	Pass
	Receiver		
	Spurious emissions on antenna port	---	N/A
	Radiated Emissions	33	Pass

Channel Bandwidth

Rules and Specifications:	15.247 (a) (1)
Guide:	ANSI C63.4-1992
Limit:	Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth, whichever is greater.

Test Site:	Radio Lab.
Distance:	Conducted Measurement
Date of Test:	

Frequency	Channel Bandwidth in kHz	Standard	Result
Low (2406 MHz)	1250	---	---
Middle 2435 MHz	1250	---	---
High 2472.5 MHz	1250	---	---





DELTA MARKER 2

1.25 MHz

Ref 20 dBm

Att 20 dB

*RBW 30 kHz

Delta 2 [T1]

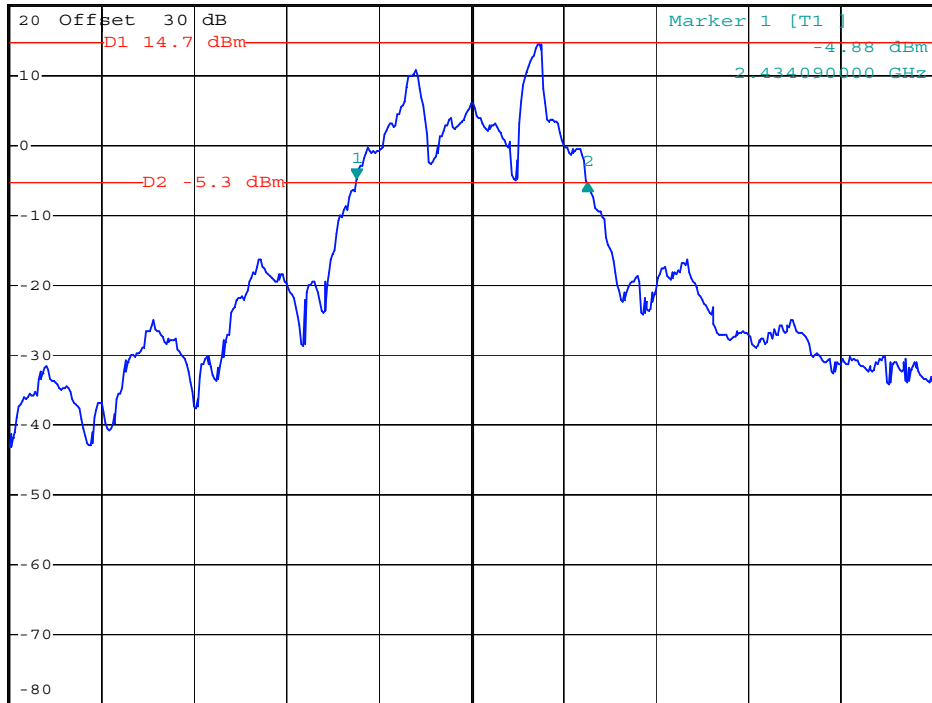
*VBW 30 kHz

-0.33 dB

*SWT 20 ms

1.25000000 MHz

1 PK
MAXH



DELTA MARKER 2

1.25 MHz

Ref 20 dBm

Att 20 dB

*RBW 30 kHz

Delta 2 [T1]

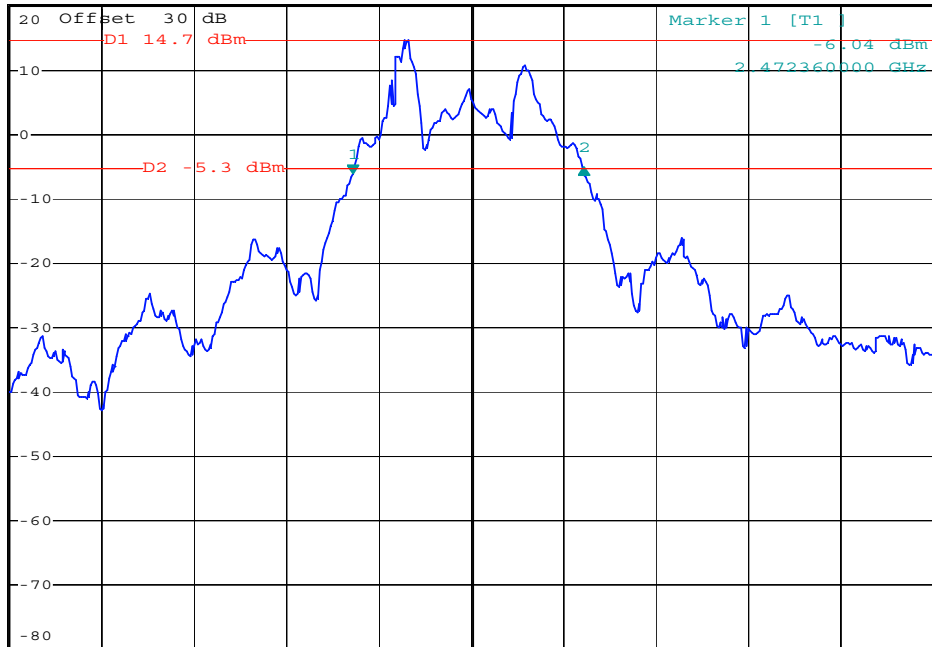
*VBW 30 kHz

1.10 dB

*SWT 20 ms

1.25000000 MHz

1 PK
MAXH

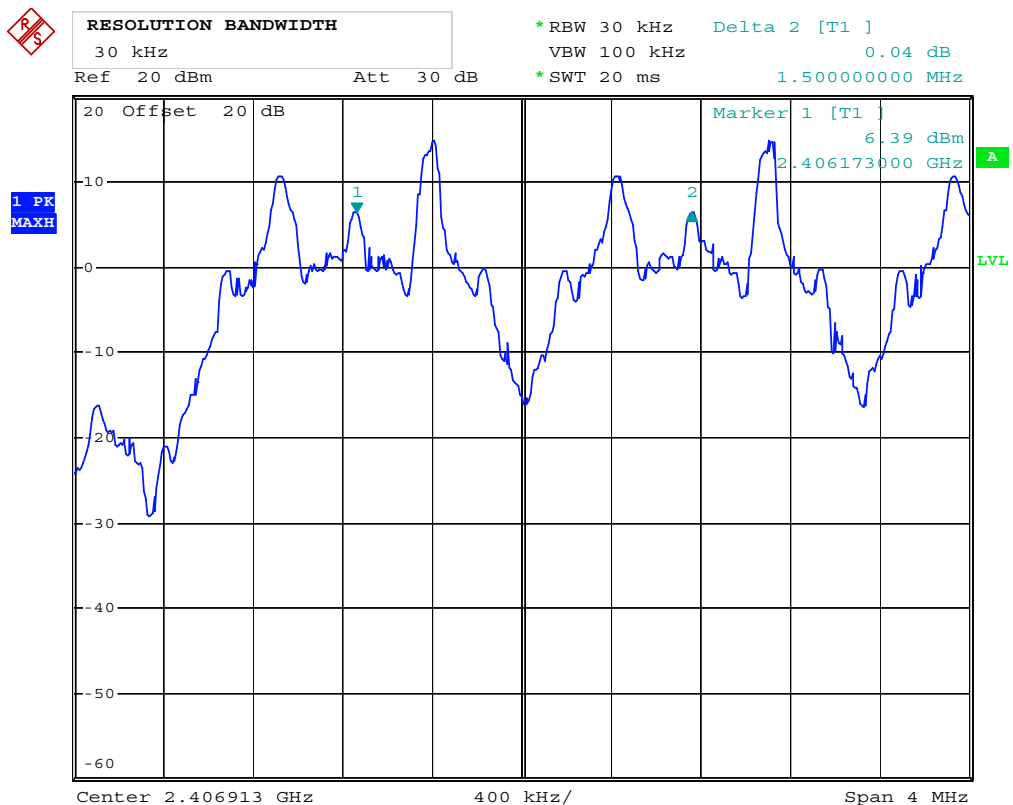


Hopping Channel Separation

Rules and Specifications:	15.247 (a) (1)
Guide:	ANSI C63.4-1992
Limit:	Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth, whichever is greater.

Test Site:	Radio Lab.
Distance:	Conducted Measurement
Date of Test:	

Channel Frequency	Measured	Required	Result
2406 MHz	1.500 MHz	> 1.250 MHz	Pass
2435 MHz	1.500 MHz	> 1.250 MHz	Pass
2472 MHz	1.500 MHz	> 1.250 MHz	Pass



Comment A: ARTCHIEF 4021: restricted band requirement acc.15.205
Date: 6.MAR.2004 13:16:55



MARKER 1

2.433216 GHz

Ref 20 dBm

Att 30 dB

*RBW 30 kHz

VBW 100 kHz

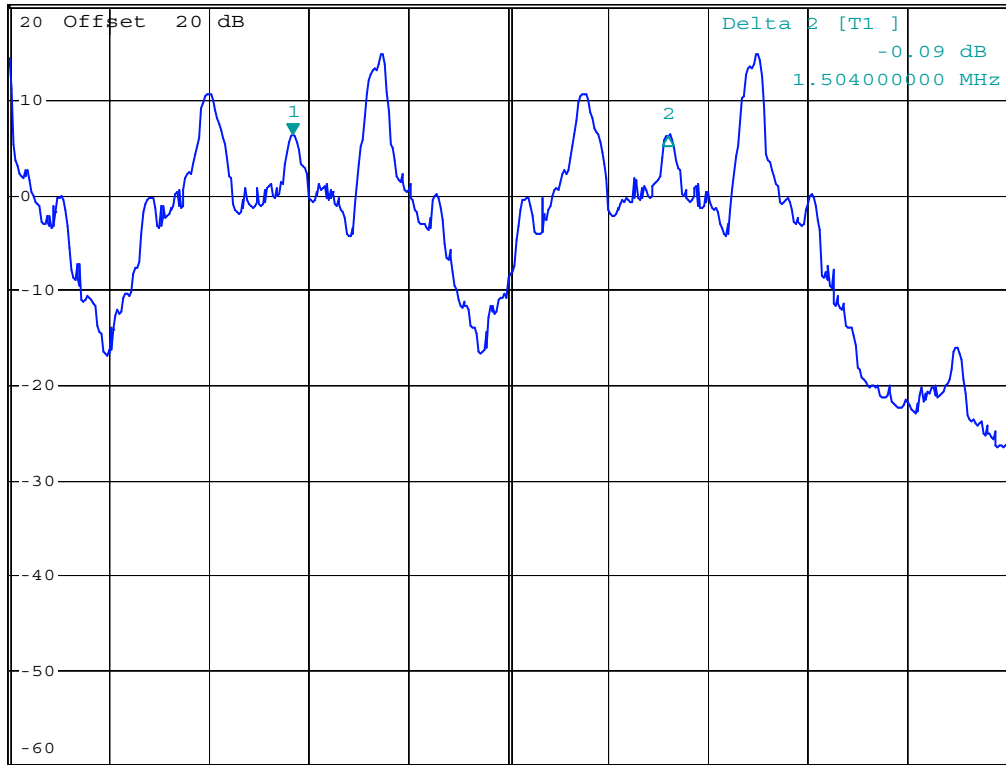
*SWT 20 ms

Marker 1 [T1]

6.42 dBm

2.433216000 GHz

1 PK
MAXH



2

LVL

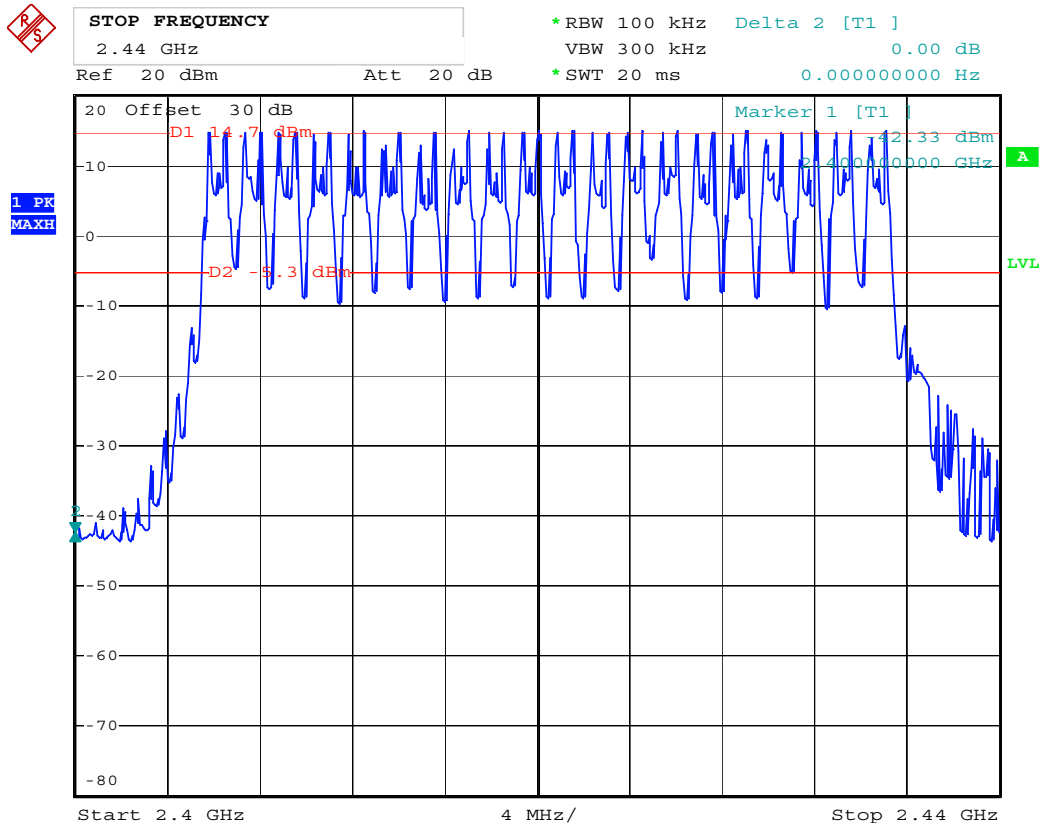
Comment A: ARTCHIEF 4021: restricted band requirement acc.15.205
Date: 6.MAR.2004 13:27:28

Number of Hopping Frequencies used

Rules and Specifications:	15.247 (a) (1) (iii)
Guide:	ANSI C63.4-1992
Limit:	Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 non-overlapping channels.

Test Site:	Radio Lab.
Distance:	Conducted Measurement
Date of Test:	

Number of Hopping Frequencies	Measured	Required	Result
	20	15	Pass



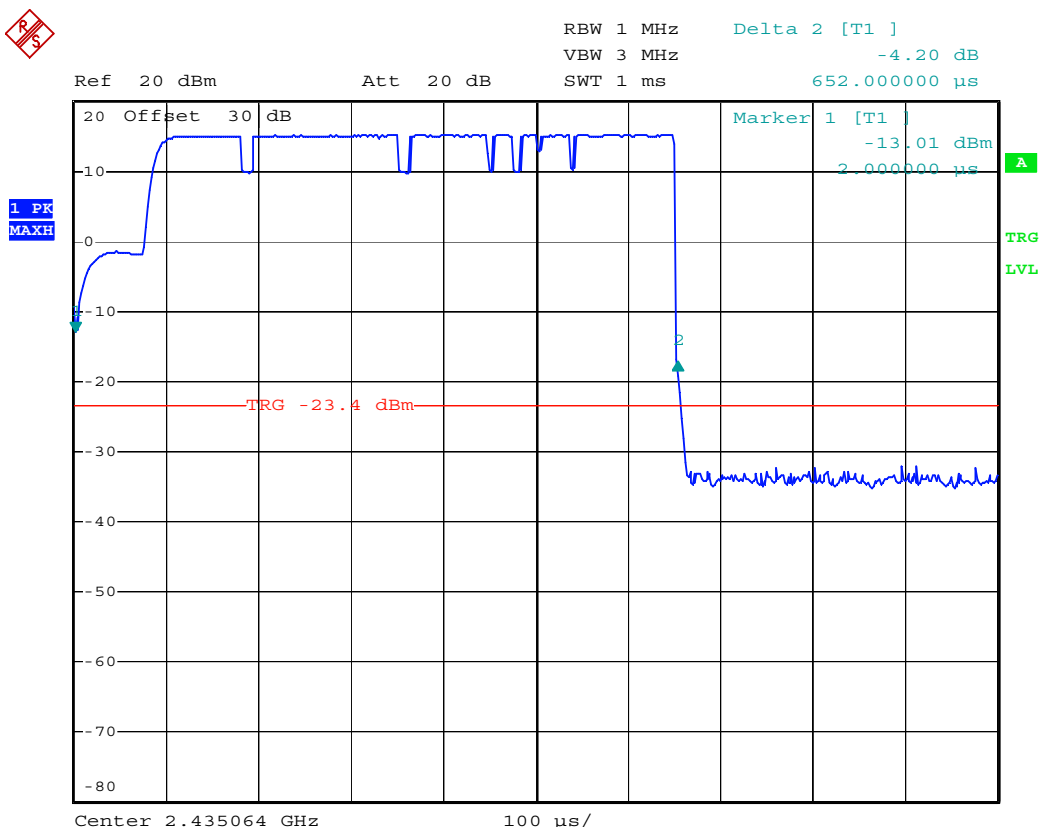
Date: 19.FEB.2004 15:30:13

Time Occupancy on any Channel

Rules and Specifications:	15.247 (a) (1) (iii)
Guide:	ANSI C63.4-1992
Limit:	The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

Test Site:	Radio Lab.
Distance:	Conducted Measurement
Date of Test:	27 February 2004

Time occupancy	Measured	Required	Result
	50 x 0.652 ms = 32.6 ms within a 8 seconds period	< 0.4 seconds within a 8 second period	Pass



Date: 19.FEB.2004 17:05:22



SWEEP TIME

8 s

RBW 30 kHz

Marker 1 [T1]

VBW 100 kHz

5.45 dBm

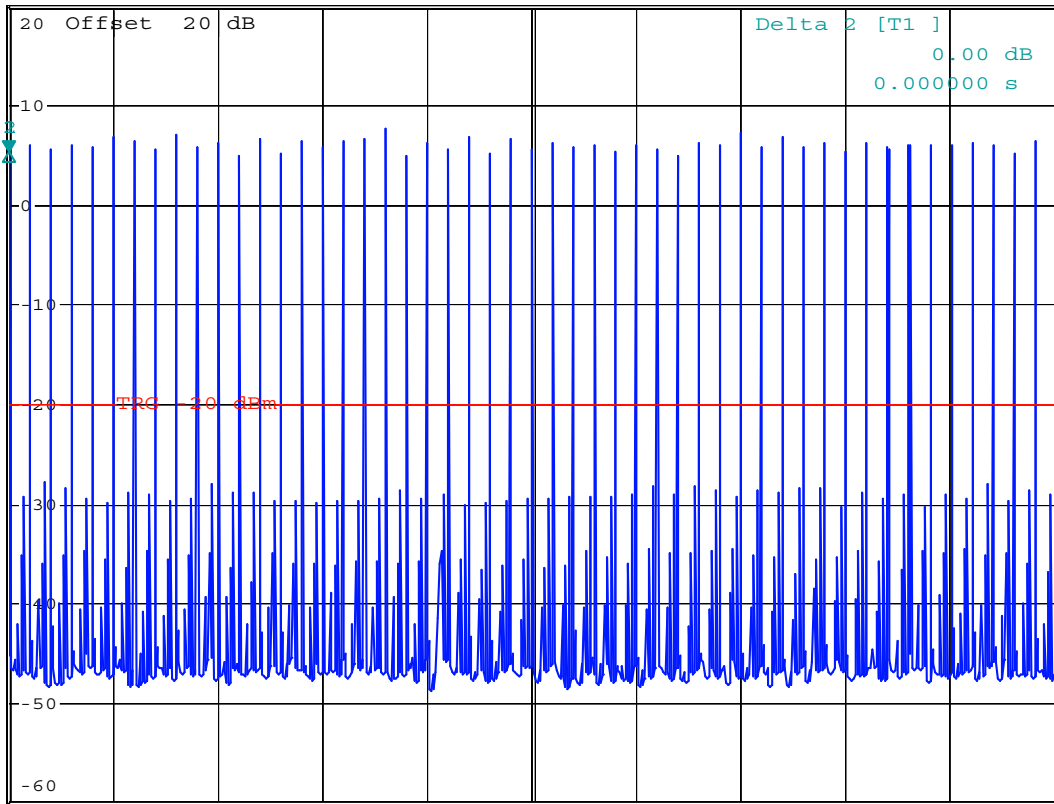
Ref 20 dBm

Att 30 dB

SWT 8 s

1.000000 ms

1 PK
MAXH



Center 2.435 GHz

800 ms/

A

SGL

TRG

LVL

Comment A: ARTCHIEF 4021: restricted band requirement acc.15.205

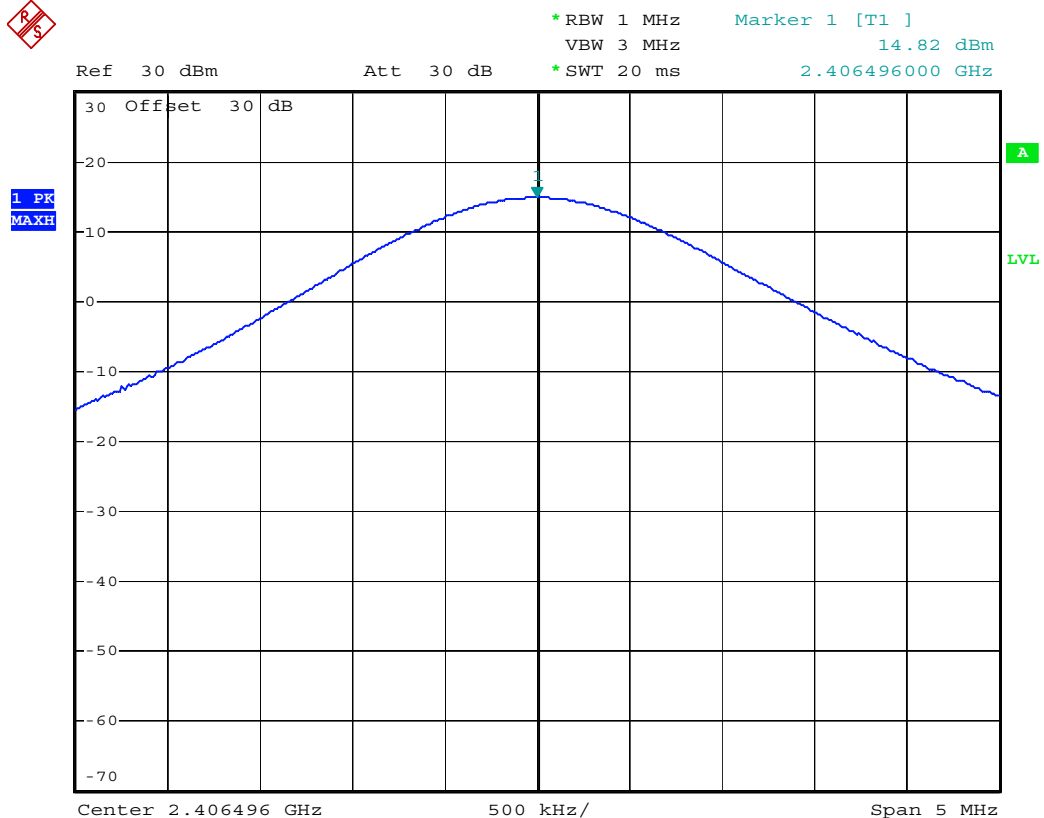
Date: 6.MAR.2004 13:47:40

Carrier Power Measurement

Rules and Specifications:	15.247 (b) (2)
Guide:	ANSI C63.4-1992
Limit:	For frequency hopping systems operating in the 902-928 MHz band: 1 watt for systems employing at least 50 hopping channels;

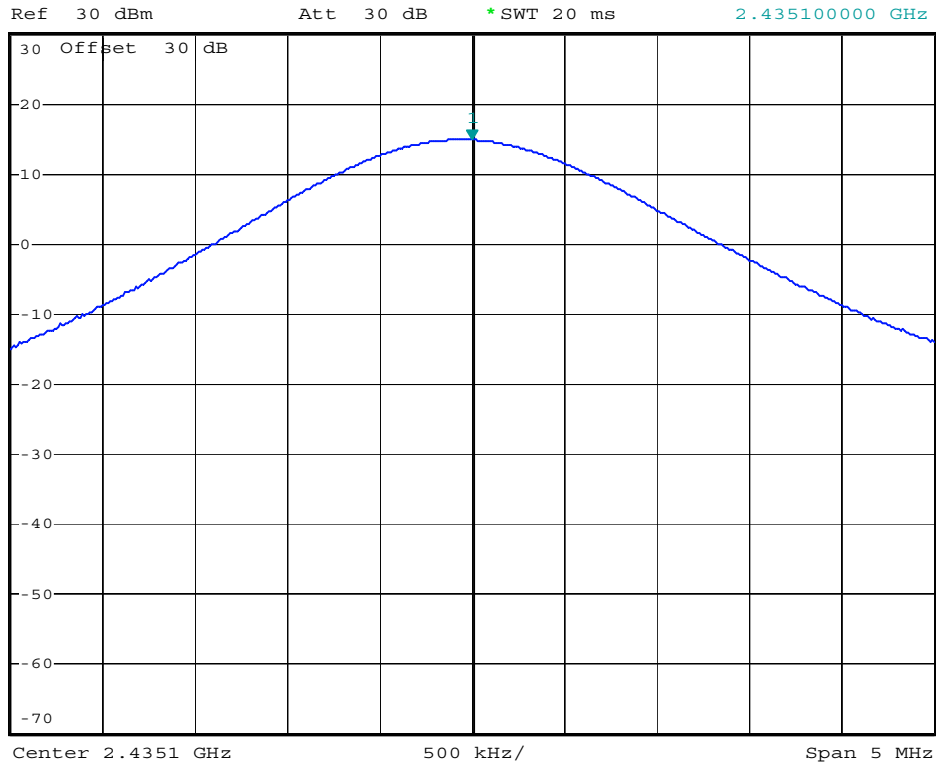
Test Site:	Radio Lab.
Distance:	Conducted Measurement
Date of Test:	27 February 2004

Frequency	Output Power in dBm	Output Power in W	Standard	Result
Low (2406 MHz)	14.82	0.030	$\leq 0.125W$	Pass
Middle 2435 MHz	14.82	0.030	$\leq 0.125W$	Pass
High 2472 MHz	14.86	0.030	$\leq 0.125W$	Pass

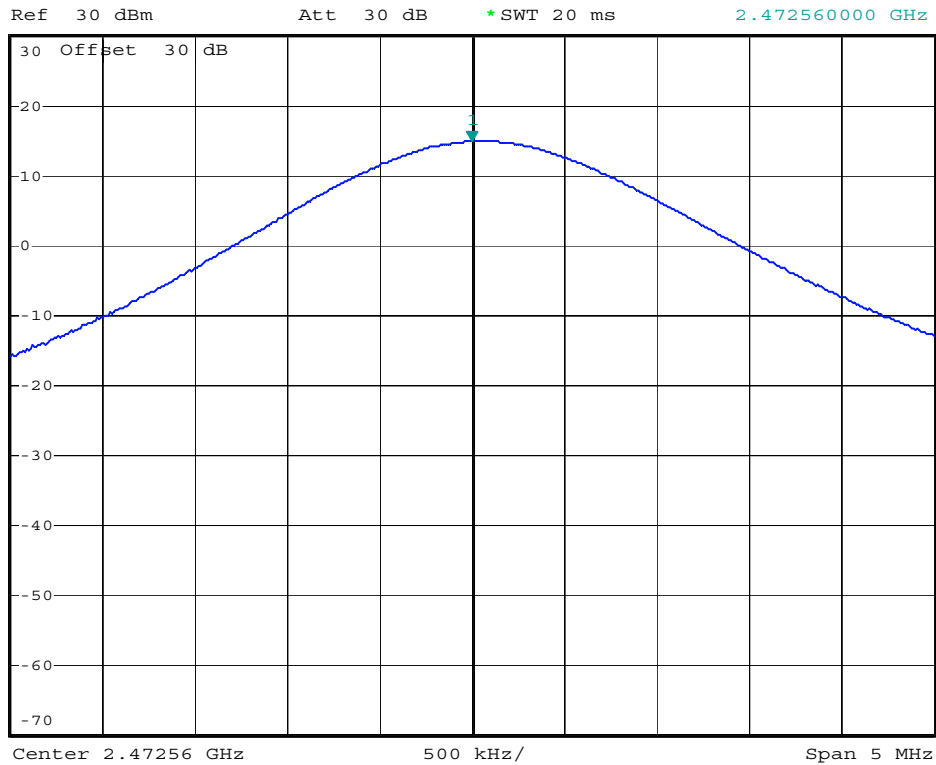




*RBW 1 MHz Marker 1 [T1]
 VBW 3 MHz 14.82 dBm
 *SWT 20 ms 2.435100000 GHz



*RBW 1 MHz Marker 1 [T1]
 VBW 3 MHz 14.86 dBm
 *SWT 20 ms 2.472560000 GHz



Spurious Emissions

Rules and Specifications:	15.247 (c)
Guide:	ANSI C63.4-1992
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
Date of Test:	27 February 2004

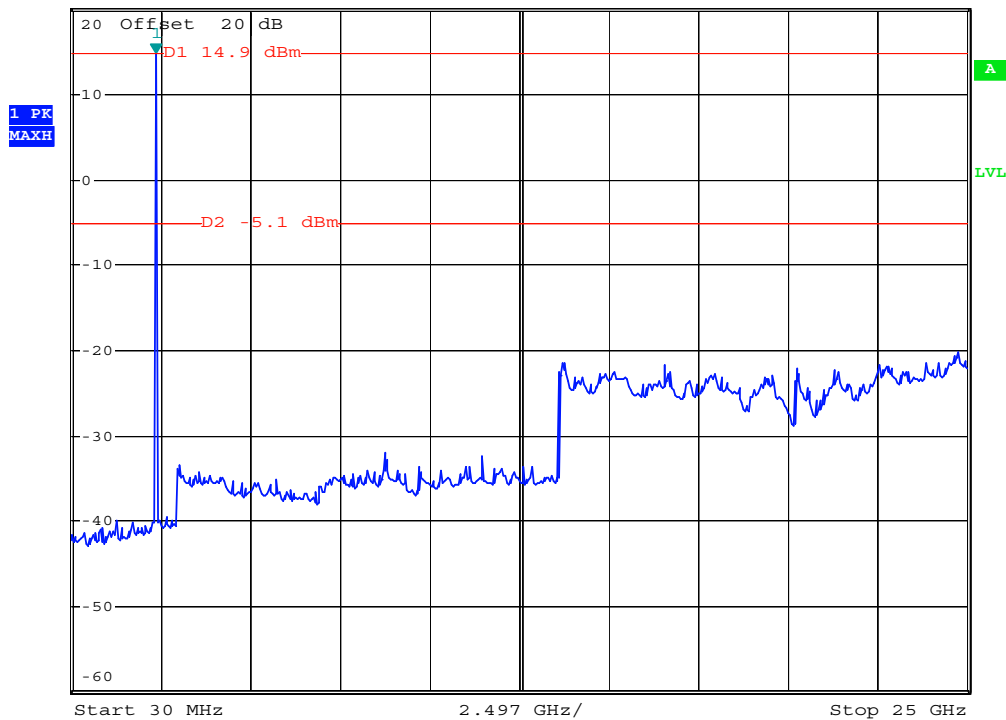
Frequency (MHz)	Measured Value (dBm)	Limit (dBm)	Margin (dB)	Result
2406	14.82	20.97	-6.15	Fundamental
2435	14.82	20.97	-6.15	Fundamental
2472	14.82	20.97	-6.16	Fundamental
See Note				

Note:No emissions other than fundamental frequencies detected



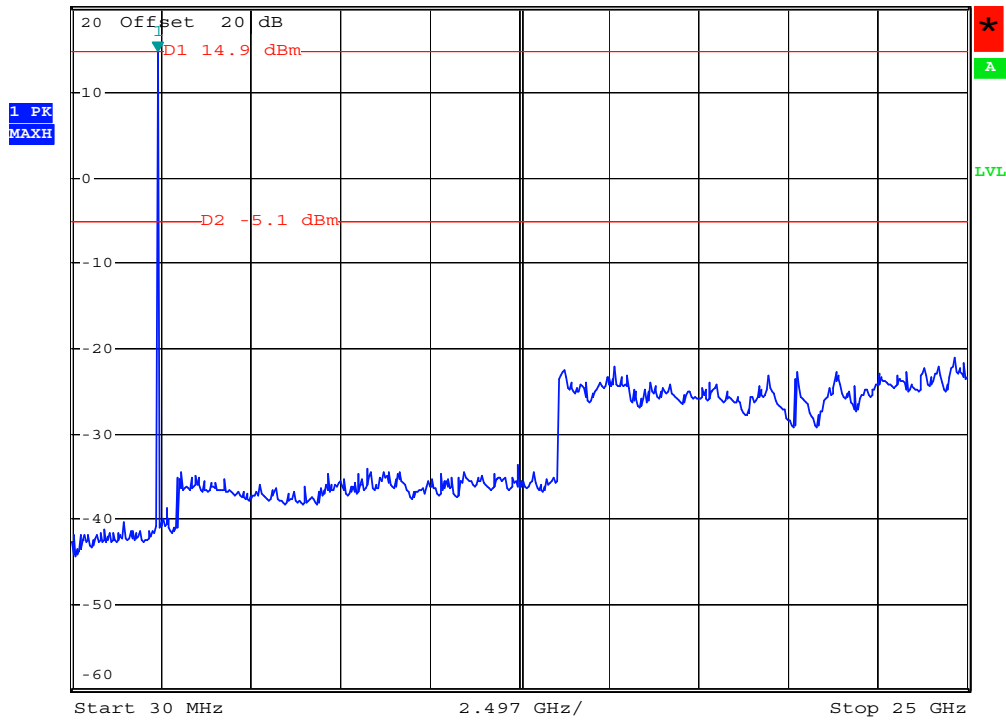
START FREQUENCY
30 MHz
Ref 20 dBm Att 30 dB

*RBW 100 kHz Marker 1 [T1]
VBW 300 kHz 14.92 dBm
*SWT 8 s 2.383060000 GHz



Ref 20 dBm Att 30 dB

*RBW 100 kHz Marker 1 [T1]
VBW 300 kHz 14.89 dBm
*SWT 8 s 2.433000000 GHz



Comment A: ARTCHIEF 4021: restricted band requirement acc.15.205
Date: 6.MAR.2004 14:00:54

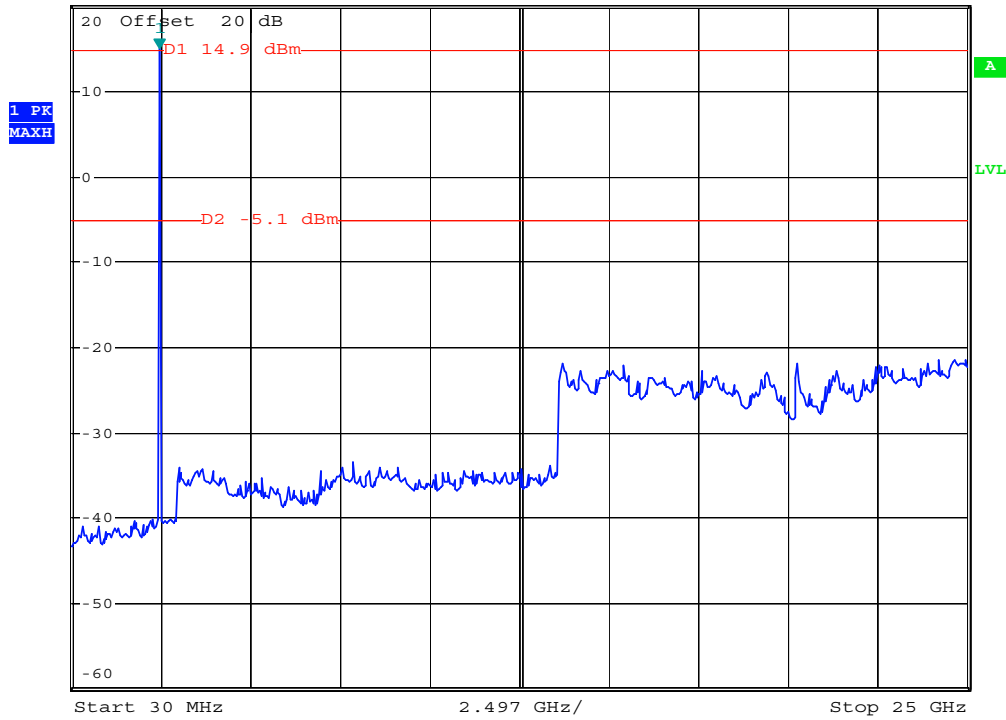
FCC-ID:

Test Report No. 56109-40074



MARKER 1
2.48294 GHz
Ref 20 dBm Att 30 dB

*RBW 100 kHz Marker 1 [T1]
VBW 300 kHz 14.99 dBm
*SWT 8 s 2.482940000 GHz



Comment A: ARTCHIEF 4021: restricted band requirement acc.15.205
Date: 6.MAR.2004 14:02:48

Spurious Emissions

Rules and Specifications:	15.247 (c)
Guide:	ANSI C63.4-1992
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:	27 February 2004

Frequency (MHz)	Antenna Polarisation	Meter Reading (dBμV)	Antenna Correction (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
2406.5	Vertical	78.11	34.60	112.71	---	Fundamental
2435.0	Vertical	79.20	34.72	113.92	---	Fundamental
2472.0	Vertical	78.22	34.88	113.10	---	Fundamental
696.7	Vertical	20.01	20.76	40.76	46.0	-5.24
1390.0	Vertical	20.04	26.95	46.99	54.0	-7.01
4812.6	Vertical	10.63	32.05	42.68	54.0	-11.32
4873.4	Vertical	15.58	32.08	47.66	54.0	-6.34
9628.0	Vertical	2.72	40.57	43.29	54.0	-10.71
9888.4	Vertical	3.92	40.74	44.66	54.0	-9.34

Frequencies < 1 GHz were measured with a quasi-peak detector

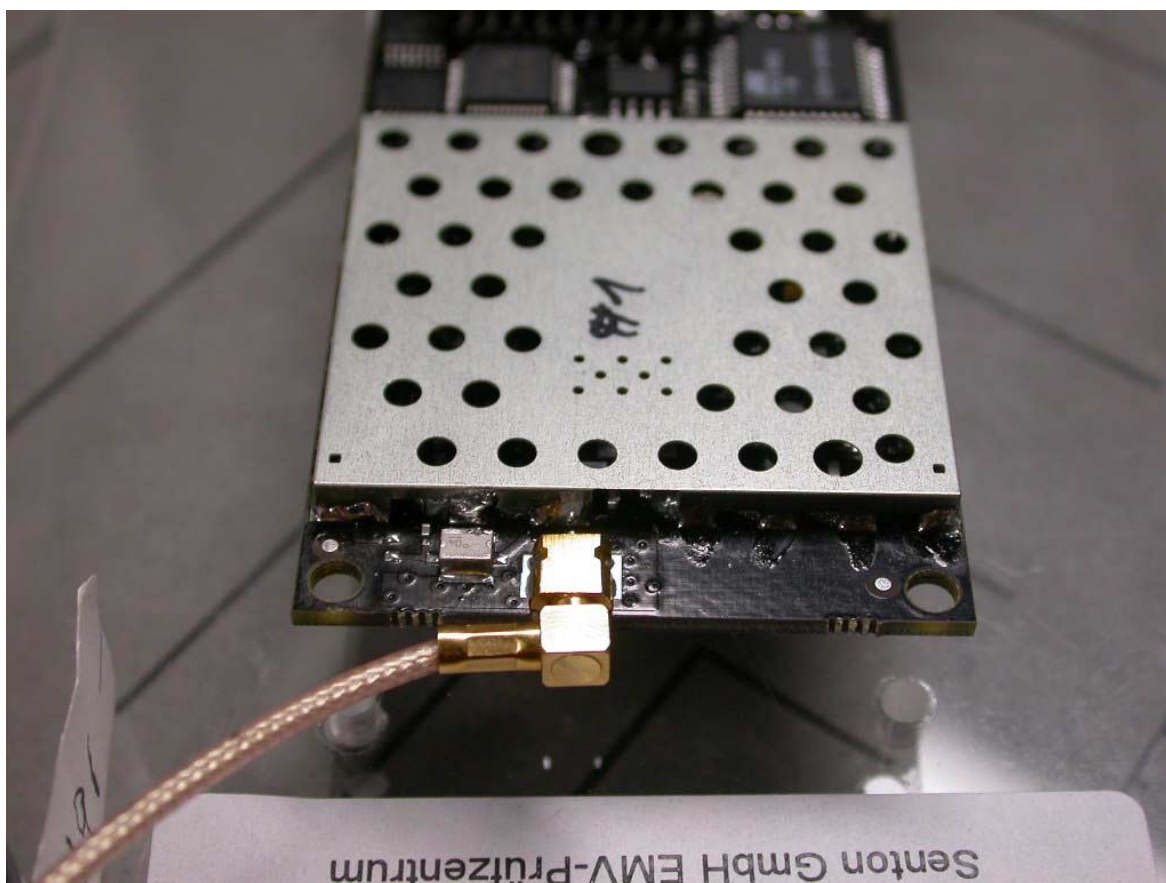
Frequencies > 1 GHz were measured with a peak detector

Sample calculation of field strength values:

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

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 a MMCX connector which meets the requirements for an unique antenna coupler



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)
1500-15000	---	---	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: **14.86 dBm = 30.3 mW**

Prediction distance: **20 cm**

Antenna gain: (Nearson S191FL-L-RMM-240S) **3.0 dBi = 2.00 (numerical gain)**

Power density at 20 cm: **0.012 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

Test Site:	EMC Lab. - Shielded Room 4
Distance:	Conducted Measurement
Date of Test:	02 March 2004

Frequency (MHz)	Detector	Analyzer Reading (dBμV)	Correction Factor (dB)	Final Value (dBμV)	Limit (dBμV)	Margin (dB)
0.535	Q.P.	33.7	0	33,7	56,0	-22,3
1,775	Q.P.	34.0	0	34	56,0	-22,0
2,205	Q.P.	29,80	0	29,8	56,0	-26,2

*** = No emissions above noise floor detected

Sample calculation of Final values:

$$\text{Final Value (dB}\mu\text{V)} = \text{Analyzer Reading (dB}\mu\text{V)} + \text{Correction Factor (dB)}$$

Test Results:	Pass	
----------------------	------	--

Spurious Radiation Measurement

Rules and Specifications:	15.109,	
Guide:	ANSI C63.4-1992	
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)
276,000	Q.P	Hor	25,28	13,52	38,80	46,00	-7,2
697,360	Q.P	Ver	19,88	20,76	40,64	46,00	-5,4
139,000	Peak	Ver	23,92	26,95	50,87	54,00	-3,1
4873,000	Peak	Ver	6,83	32,08	38,91	54,00	-15,1

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

Sample calculation of field strength values:

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

8. Referenced Regulations

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

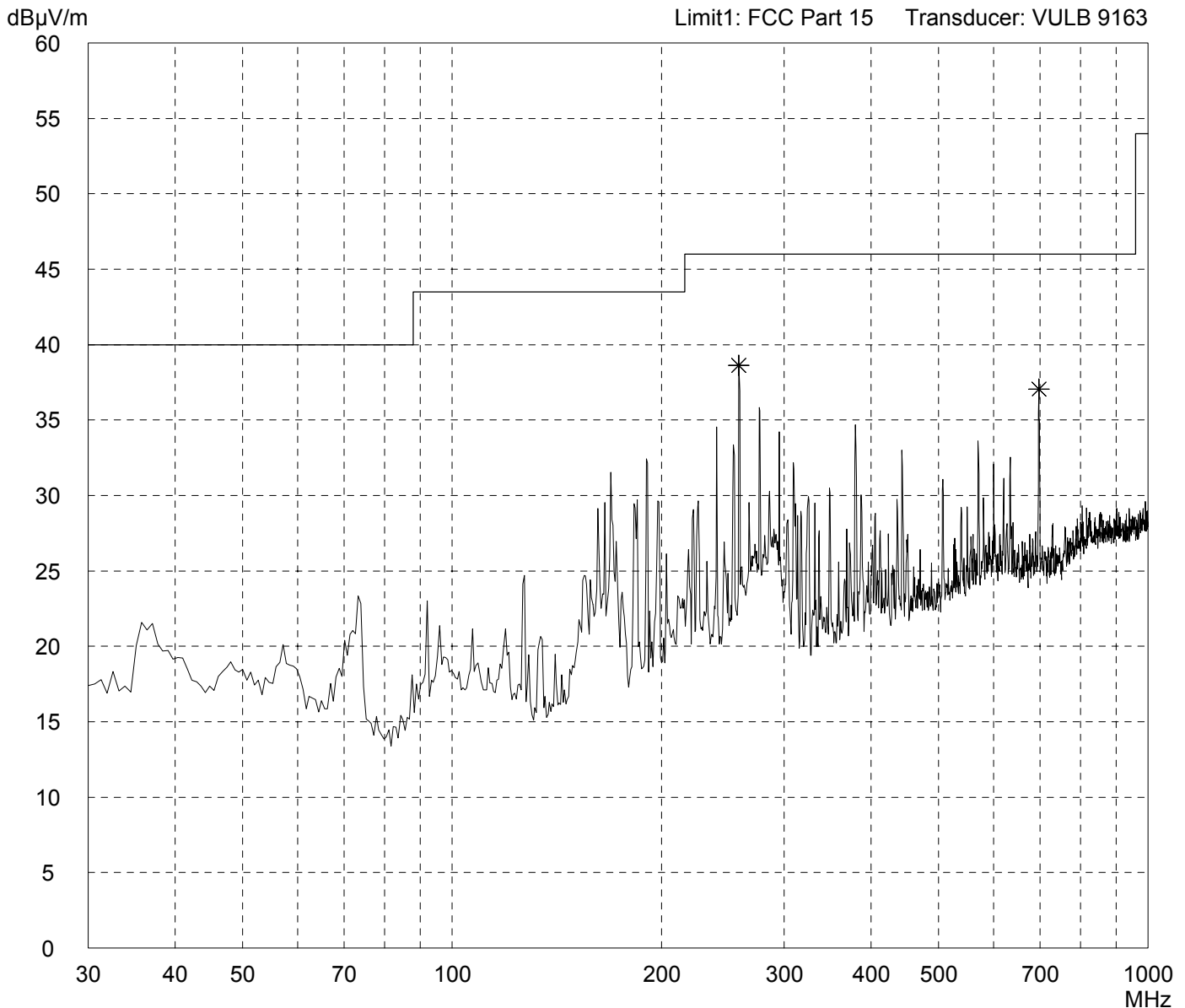
☒	FCC Part 2	Code of Federal Regulations Part 2 Frequency allocation and radio treaty matters; General rules and regulations	October 01, 1999
☒	FCC Part 15 Subpart A	Code of Regulations Part 15 (Radio Frequency Devices), Subpart A (General) of the Federal Communication Commission (FCC)	December 08, 2003
☐	FCC Part 15 Subpart B	Code of Regulations Part 15 (Radio Frequency Devices), Subpart B (Unintentional Radiators) of the Federal Communication Commission (FCC)	December 08, 2003
☒	FCC Part 15 Subpart C	Code of Regulations Part 15 (Radio Frequency Devices), Subpart C (Intentional Radiators) of the Federal Communication Commission (FCC)	December 08, 2003
☐	FCC Part 74 Subpart H	Code of Regulations Part 15 (Radio Frequency Devices), Subpart H (Low Power Auxiliary Stations) of the Federal Communication Commission (FCC)	October 20, 1997
☒	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 - 40 GHz	October, 1992
☒	RSS-210	Radio Standards Specification RSS-210 Issue 5 for Low Power Licence-Exempt Radiocommunication Devices of Industry Canada	November 2001

Charts taken during testing

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

Model: AC4424-100	Comment: TX CW lowest channel
Serial no.: #1	
Applicant: AEROCOMM	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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



Result: Prescan	Project file: 56109-40074
	Page of Pages

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

Model:
AC4424-100

Serial no.:
#1

Applicant:
AEROCOMM

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 metres
Vertical Polarization

Date of test:
02/16/2004

Operator:
J. Roidt

Test performed:
automatically

File name:
default.emi

Comment:
TX CW lowest channel

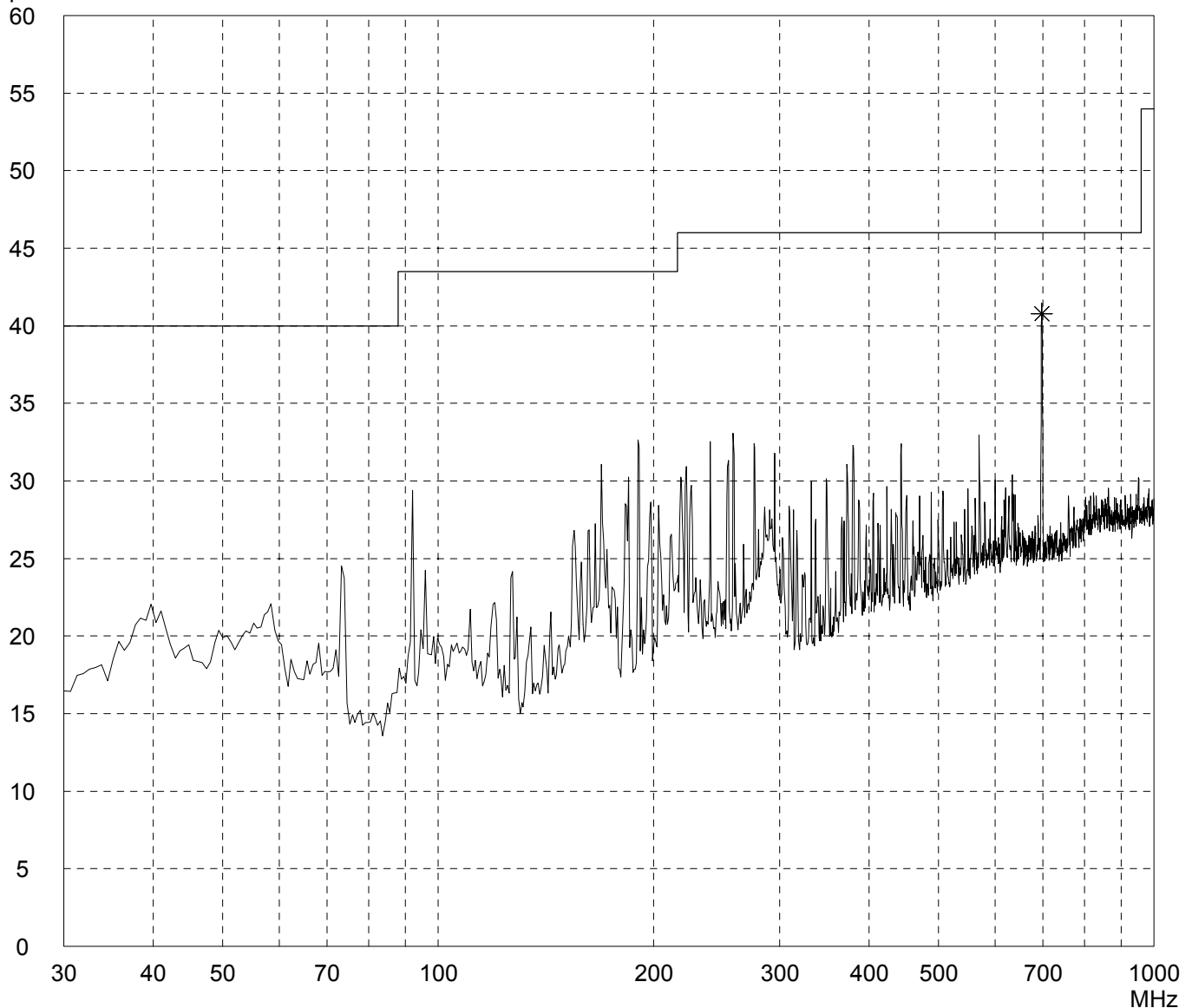
Detector:
Peak

List of values:
10 dB Margin

50 Subranges

dB μ V/m

Limit1: FCC Part 15 Transducer: VULB 9163



Result:
Prescan

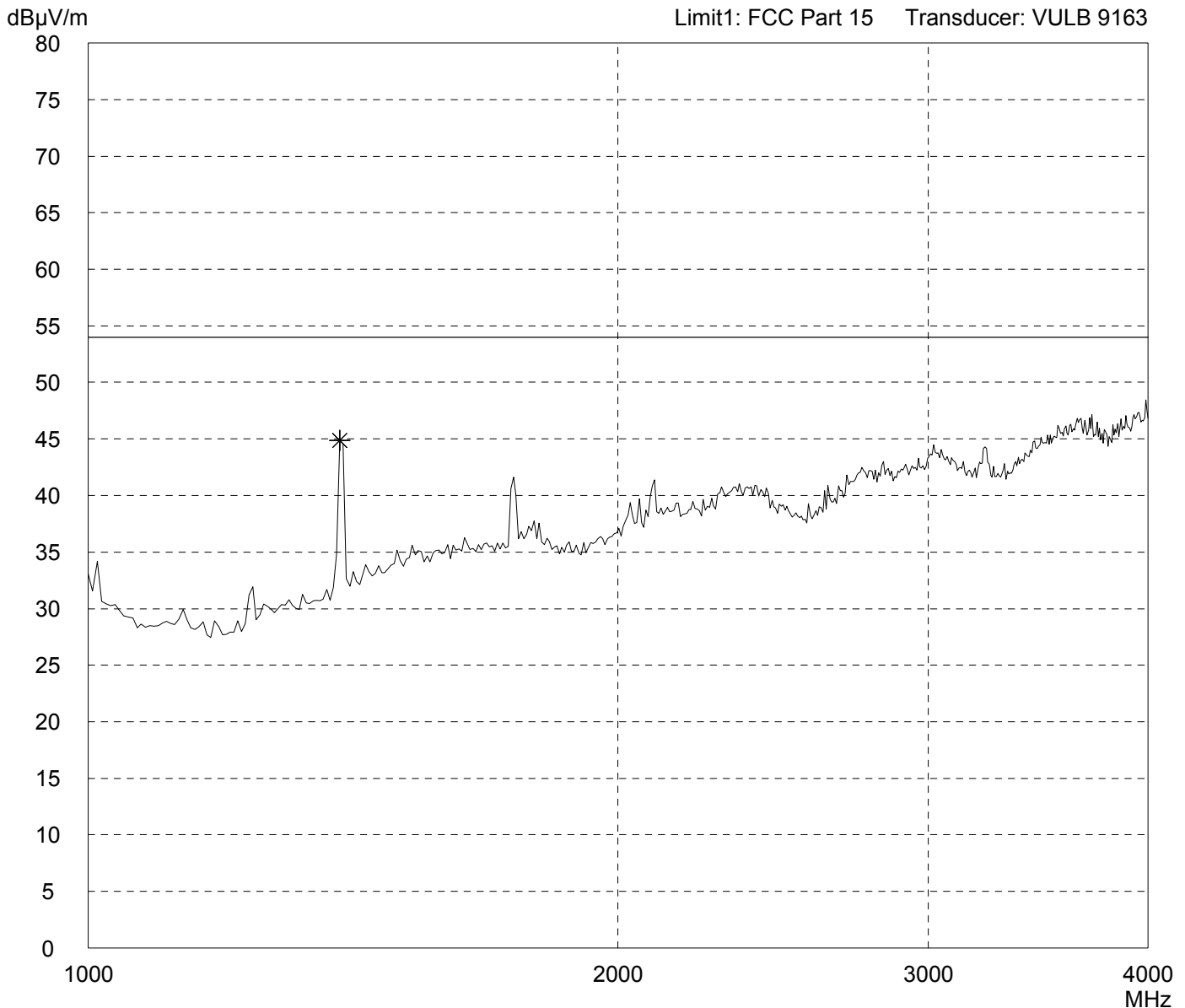
Project file:
56109-40074

Page of Pages

Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: AC4424-100	Comment: TX CW low channel Notch Filter on fundamental frequency
Serial no.: #1	
Applicant: AEROCOMM	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

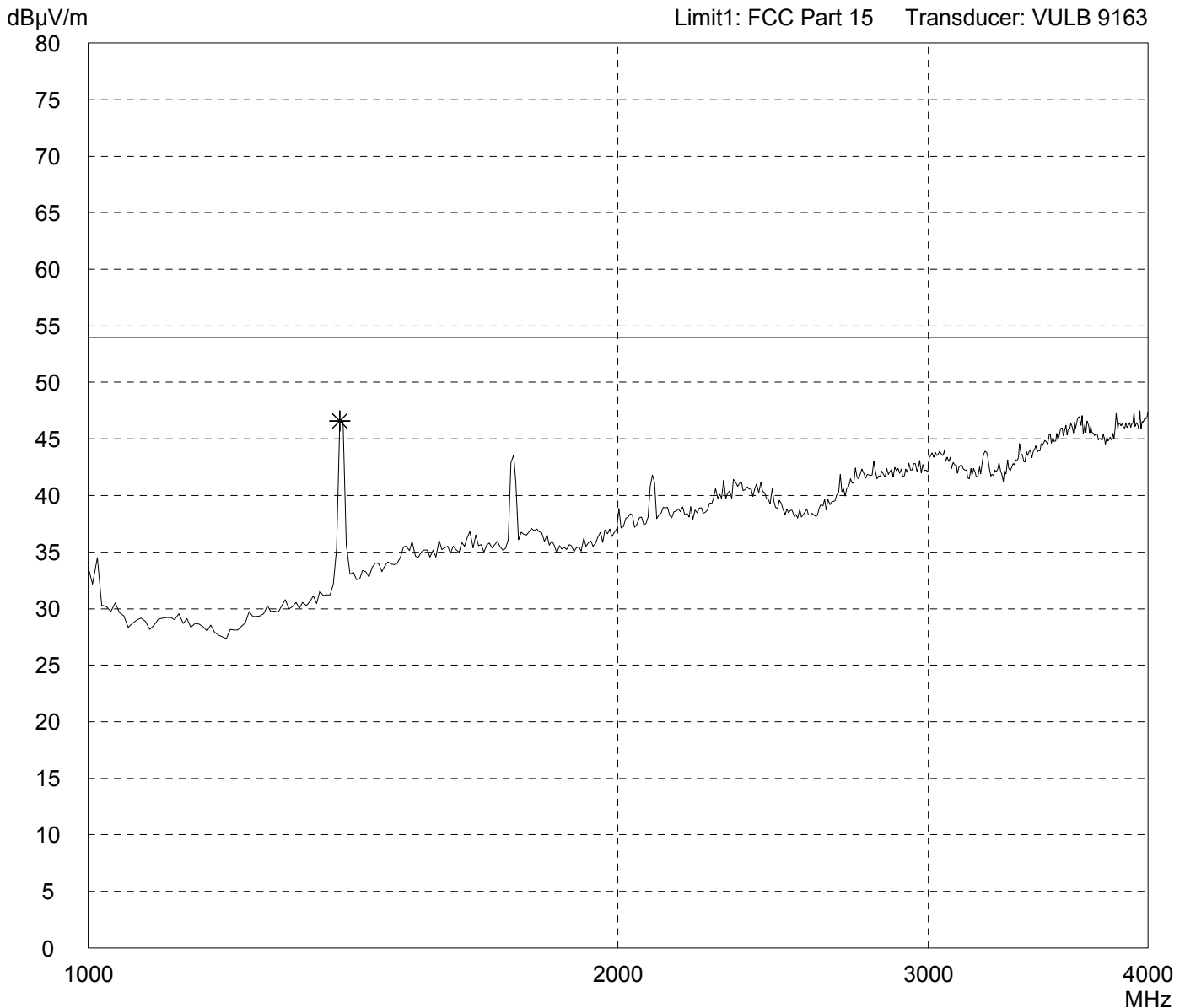


Result: Limit kept	Project file: 56109-40074
	Page of Pages

Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: AC4424-100	Comment: TX CW low channel Notch Filter on fundamental frequency
Serial no.: #1	
Applicant: AEROCOMM	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

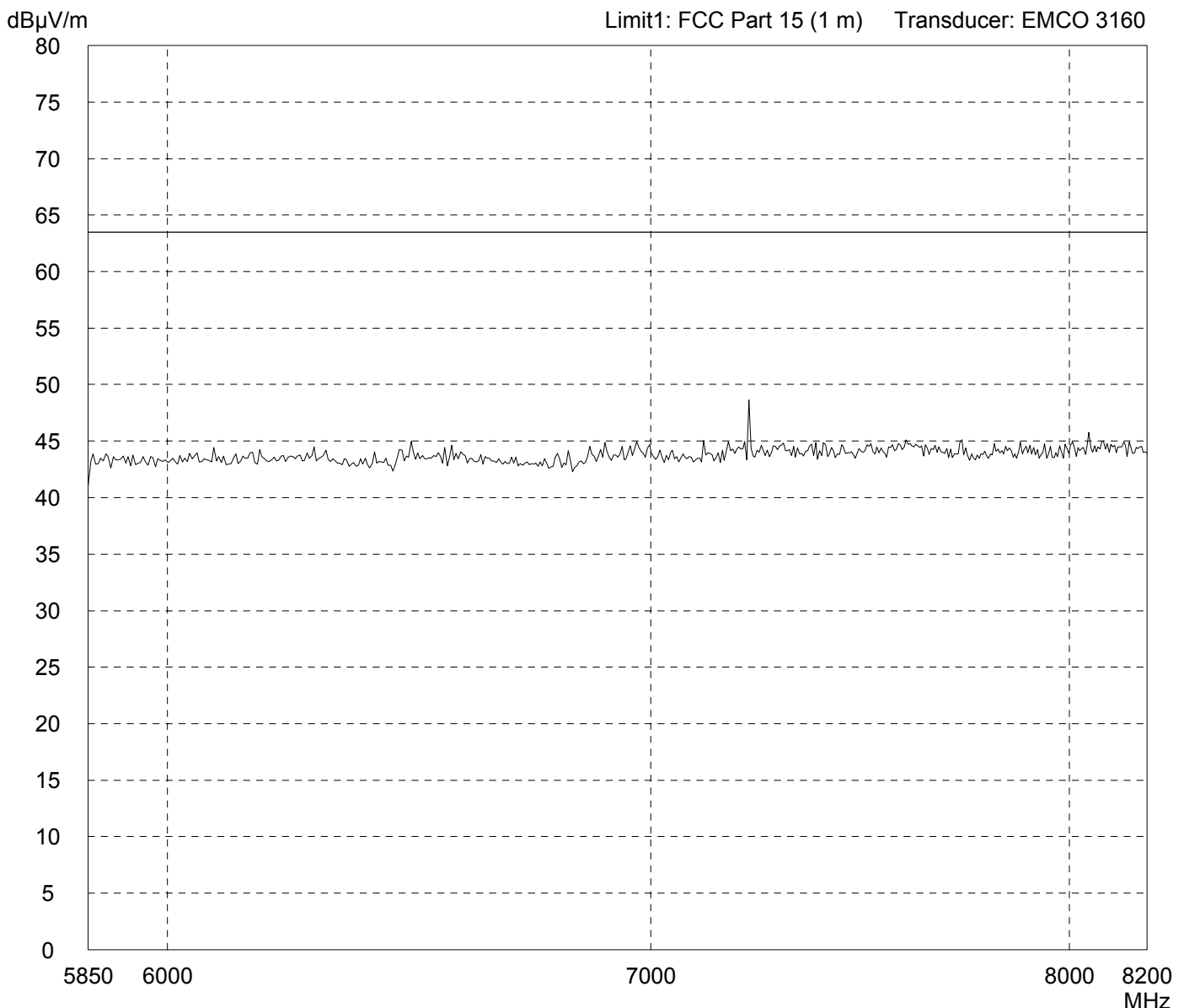


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC 4424-100	Comment: TX CW at low channel
Serial no.: # 1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

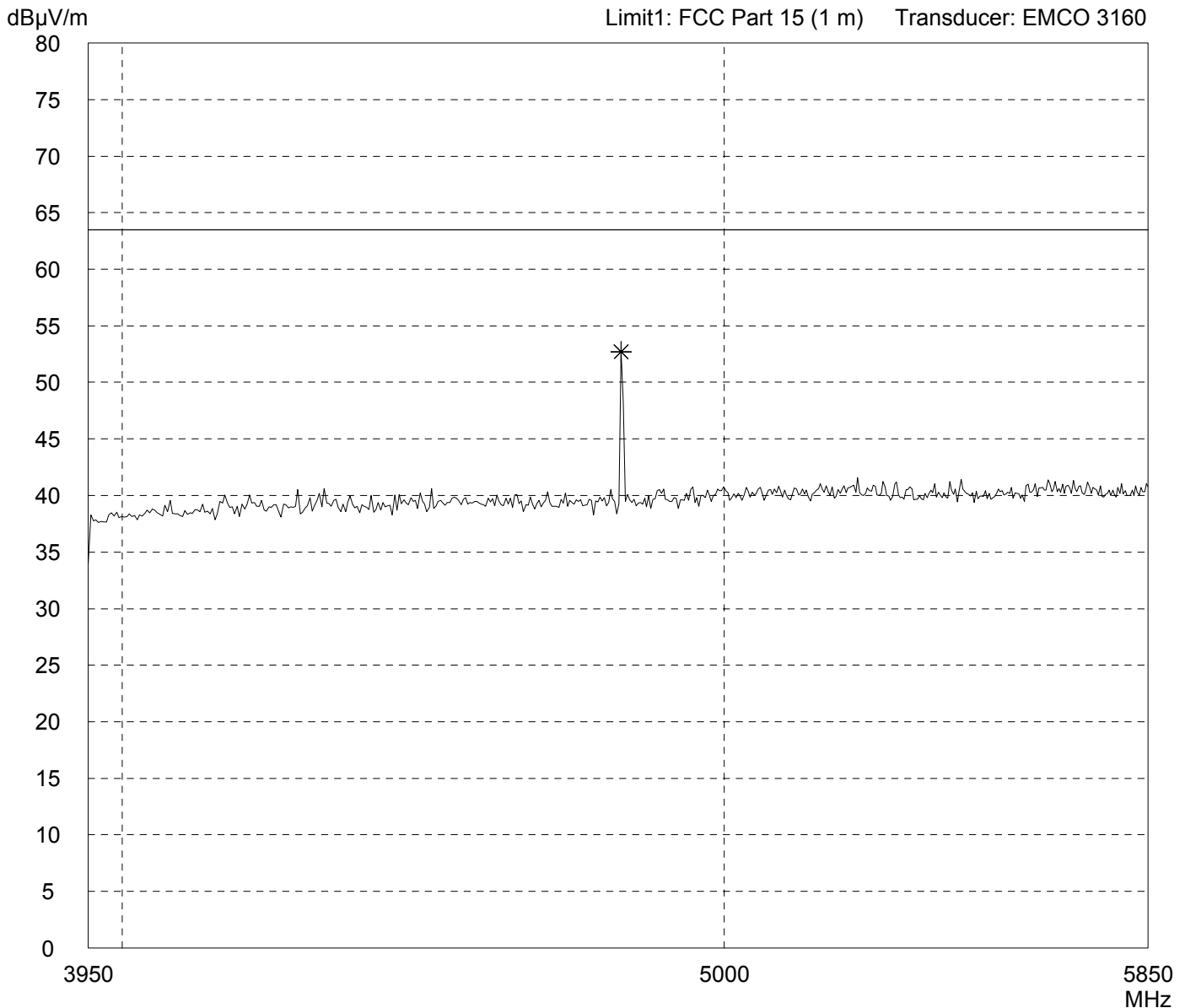


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC 4424-100	Comment: TX CW at low channel
Serial no.: # 1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

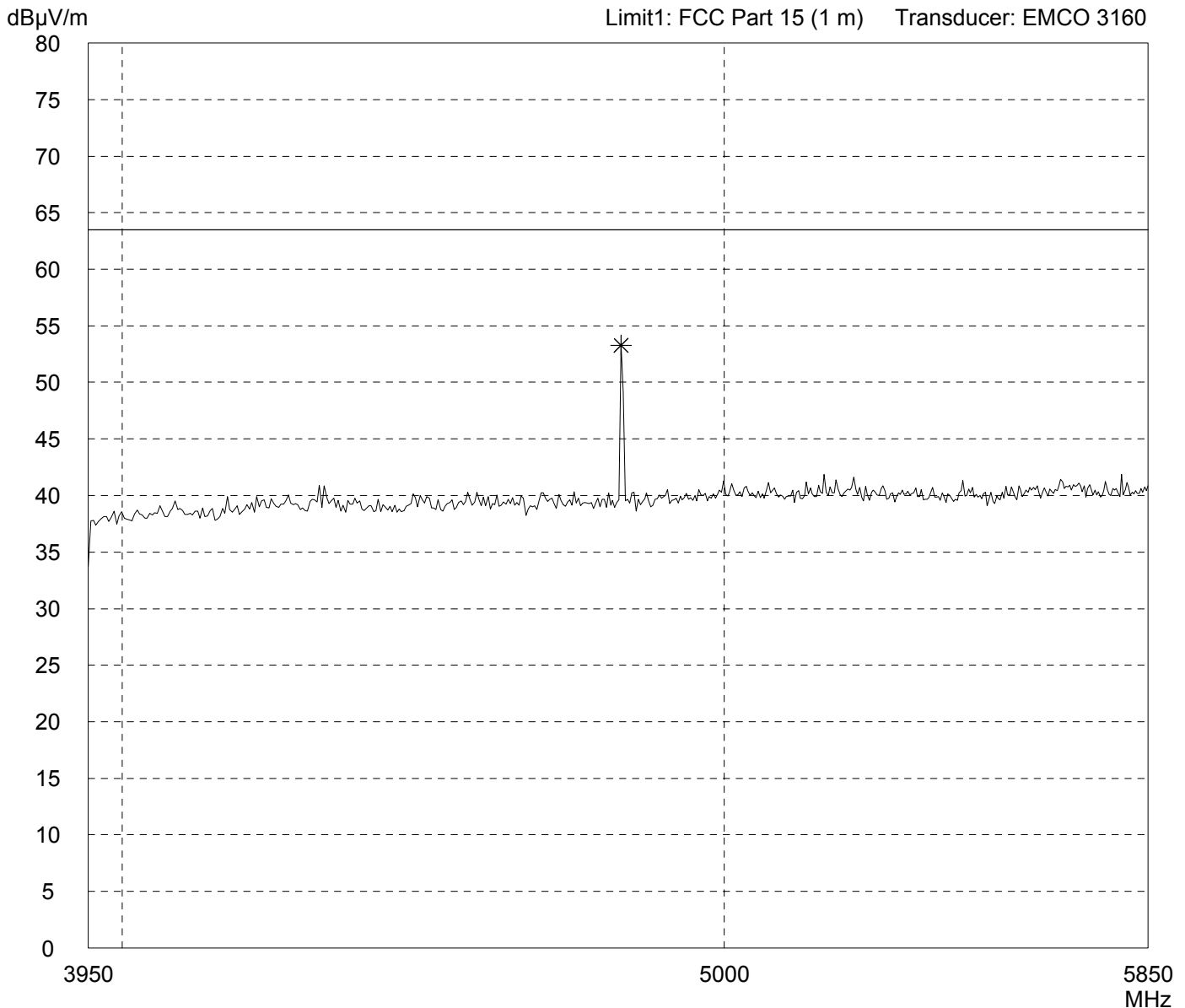


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC 4424-100	Comment: TX CW at low channel
Serial no.: # 1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

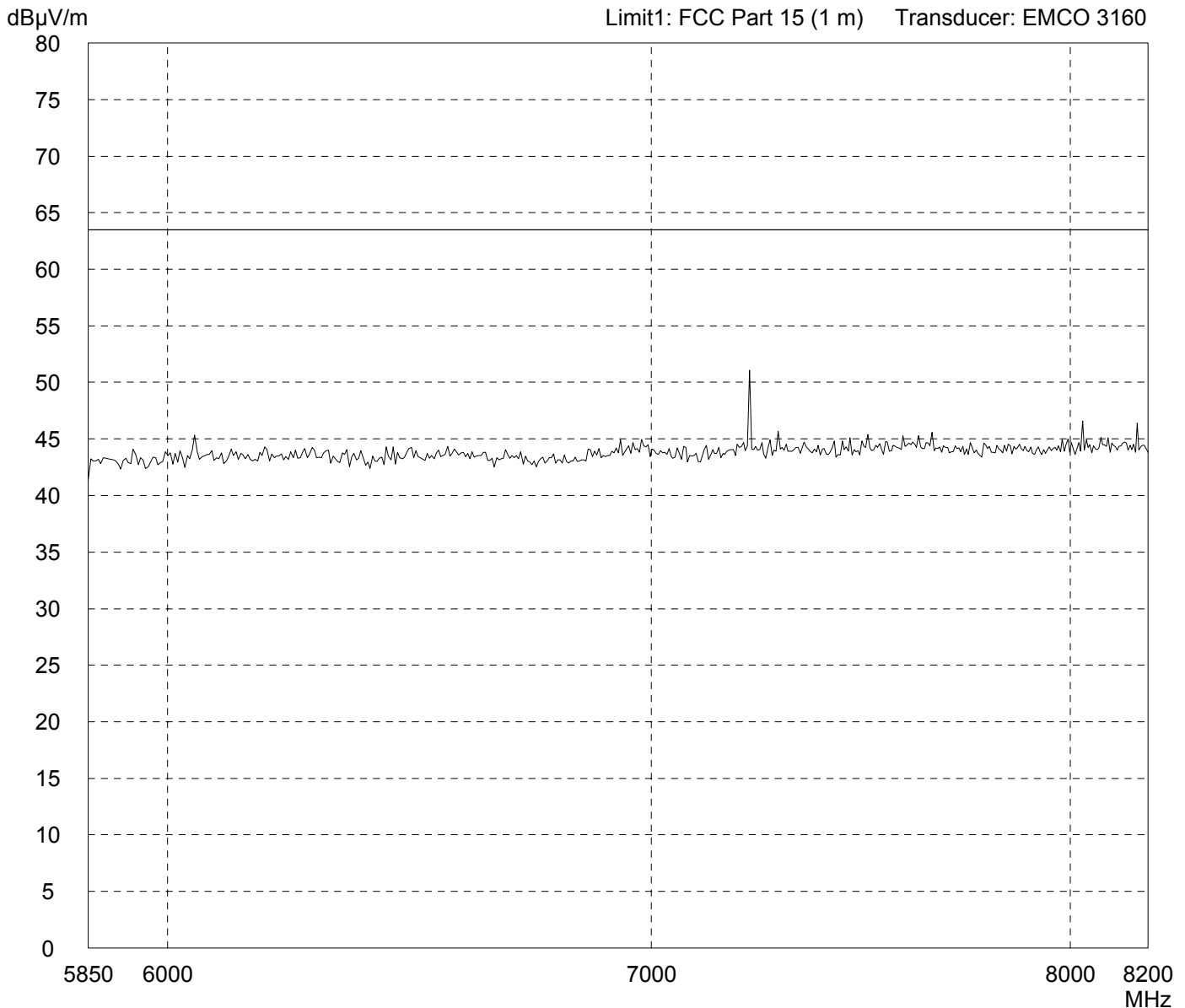


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC 4424-100	Comment: TX CW at low channel
Serial no.: # 1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

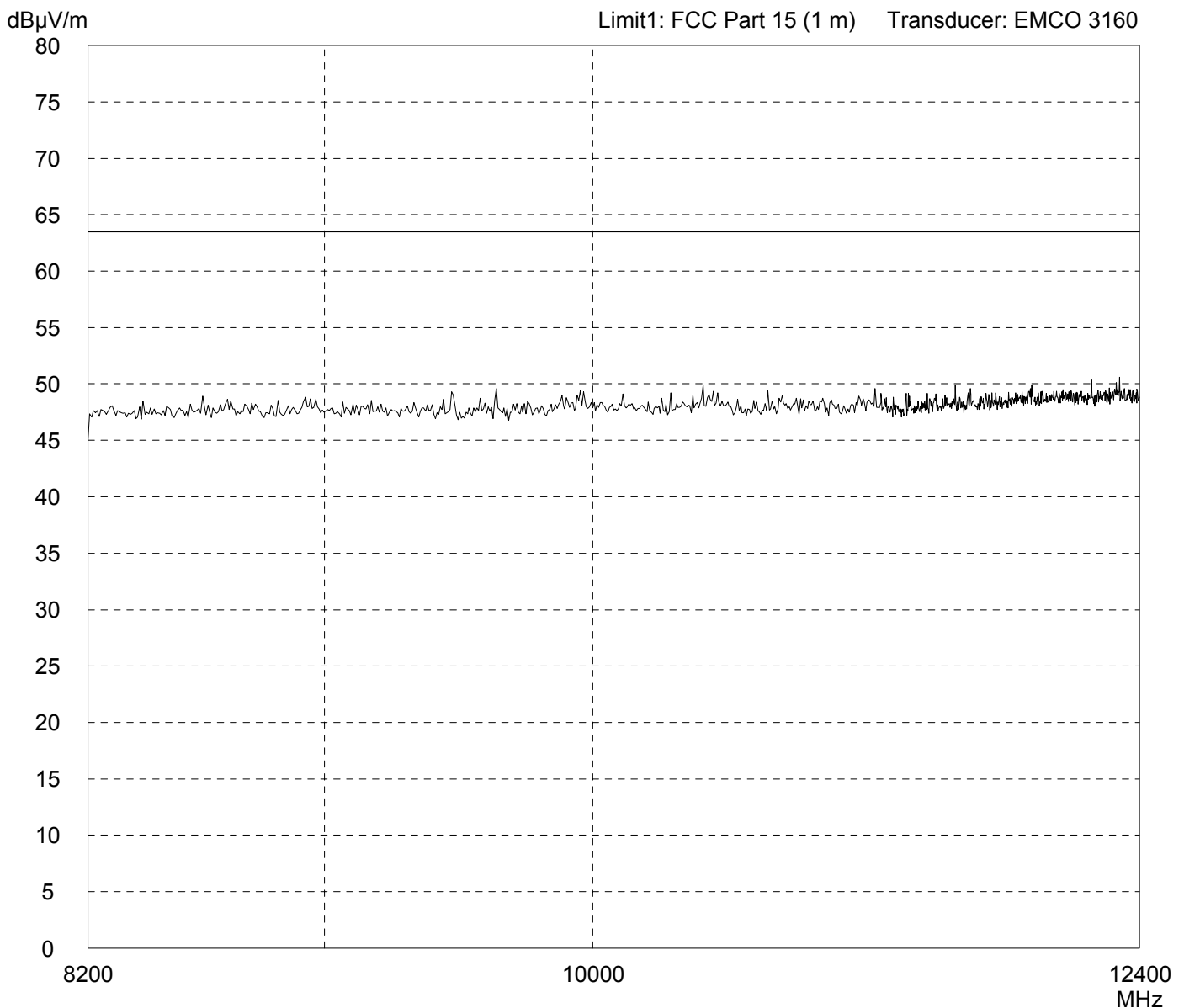


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: - TX at low channel -CW
Serial no.: #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 03/05/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

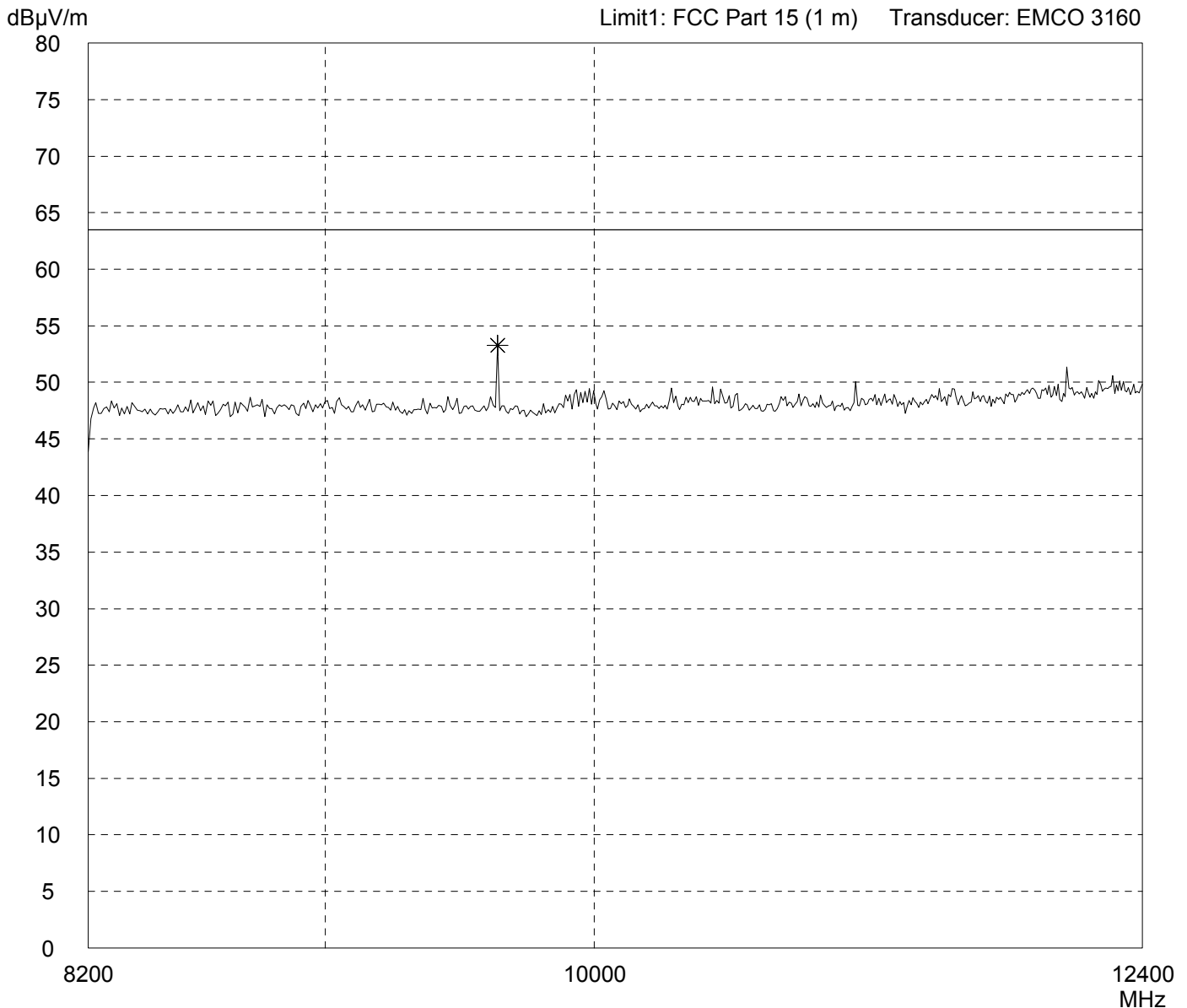


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: - TX at low channel -CW
Serial no.: #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 03/05/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

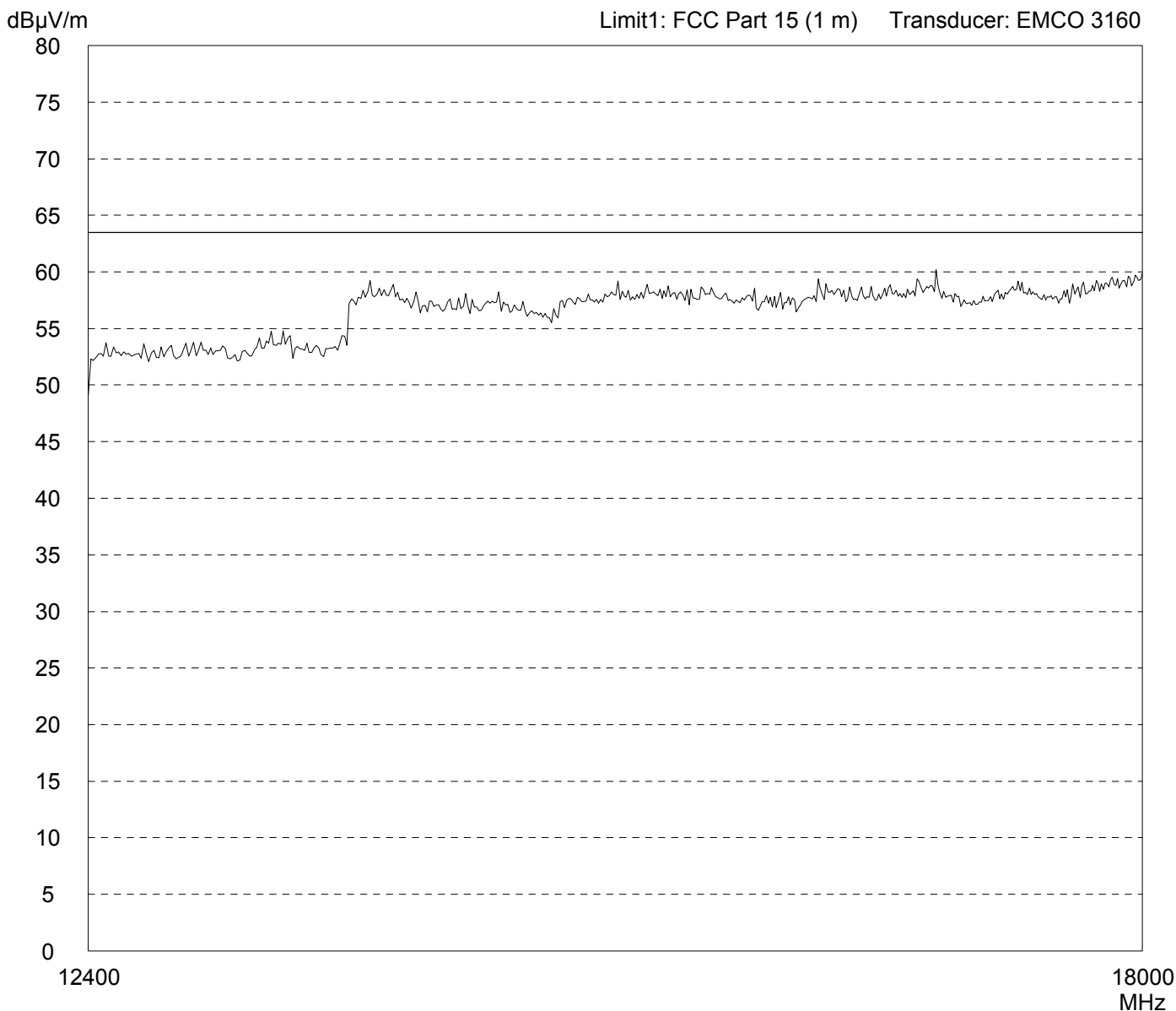


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: - TX at low channel -CW
Serial no.: #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 03/05/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

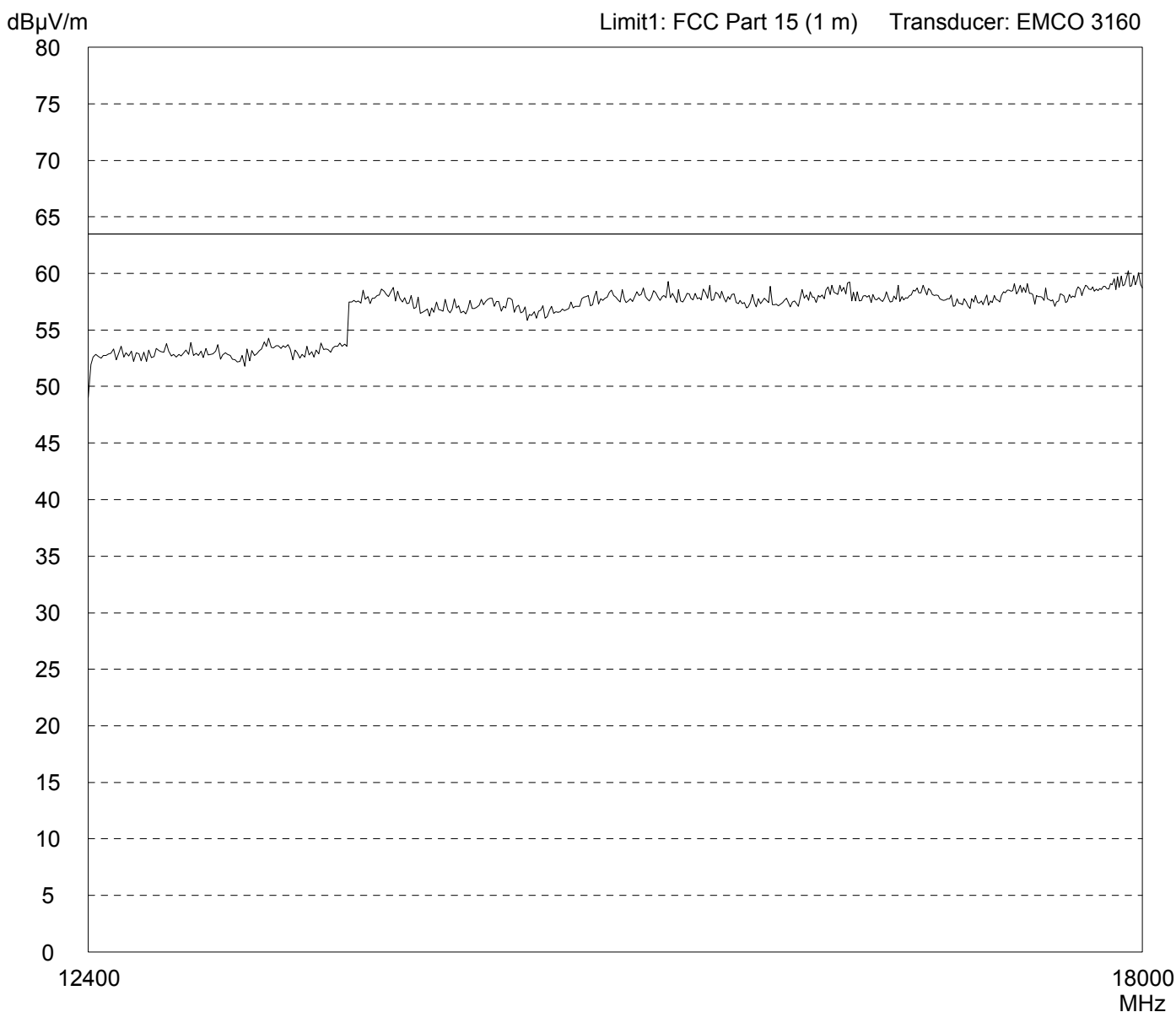


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: - TX at low channel -CW
Serial no.: #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 03/05/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

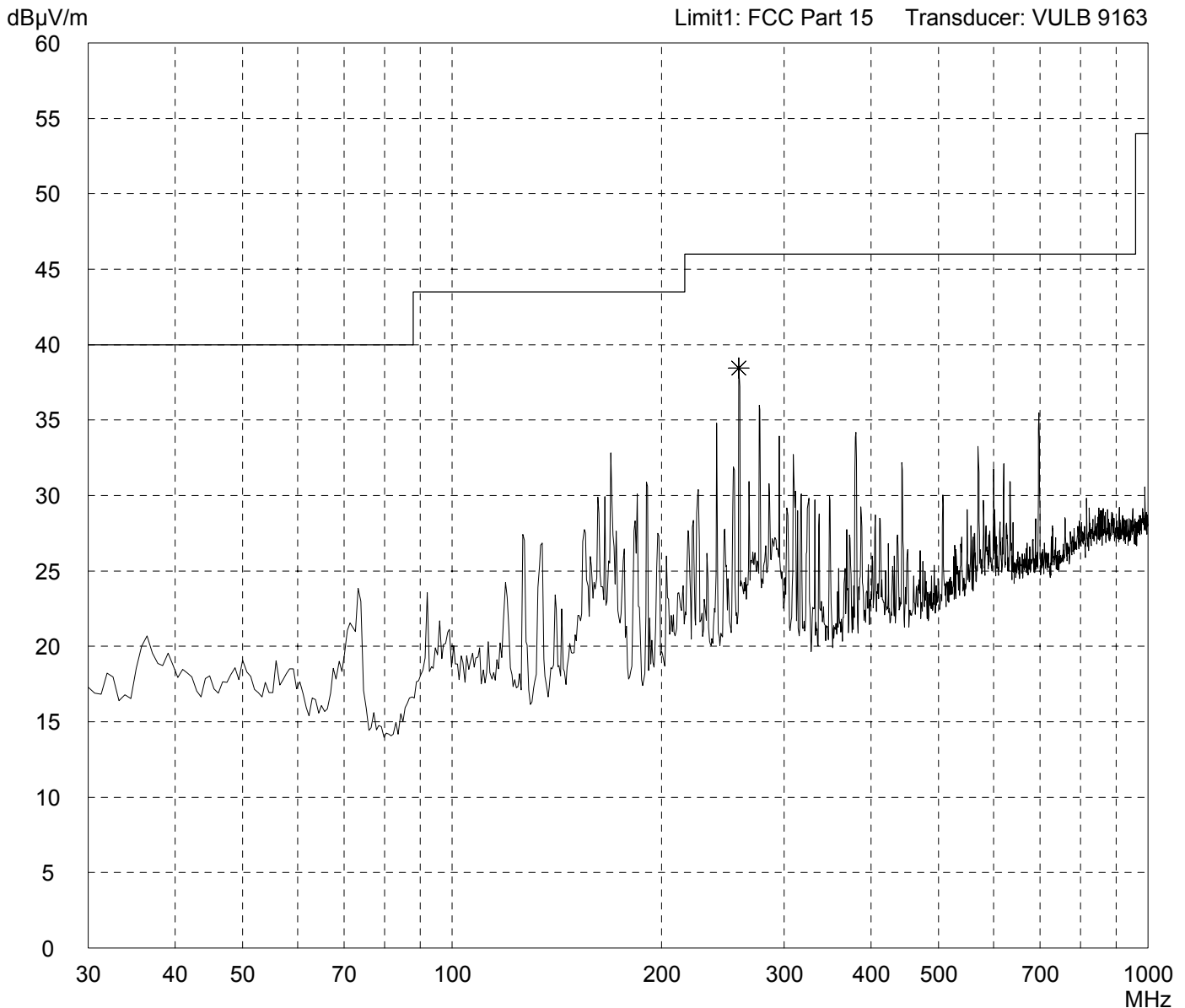


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: TX CW middle channel
Serial no.: #1	
Applicant: AEROCOMM	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

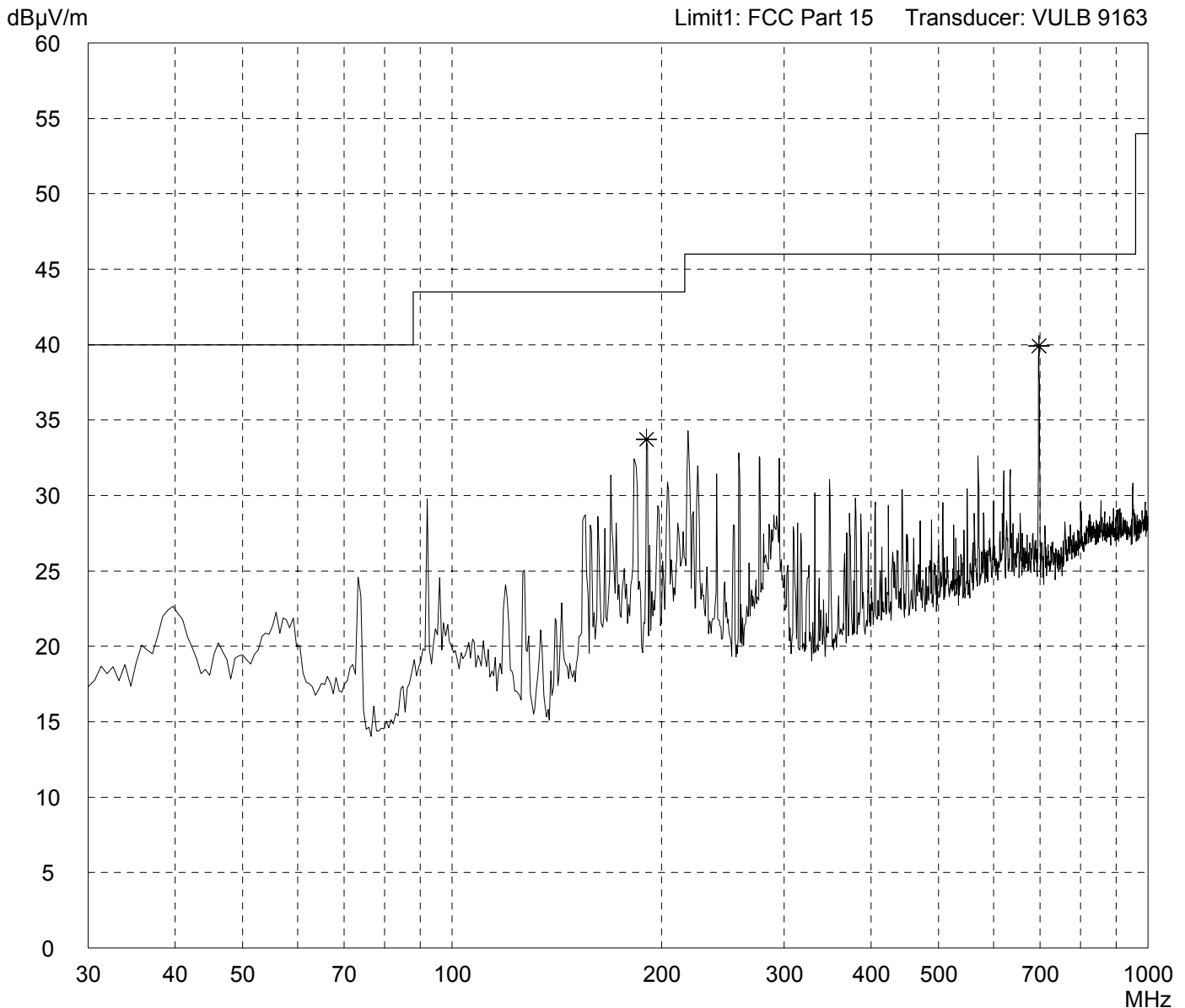


Result: Prescan	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: TX CW middle channel
Serial no.: #1	
Applicant: AEROCOMM	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

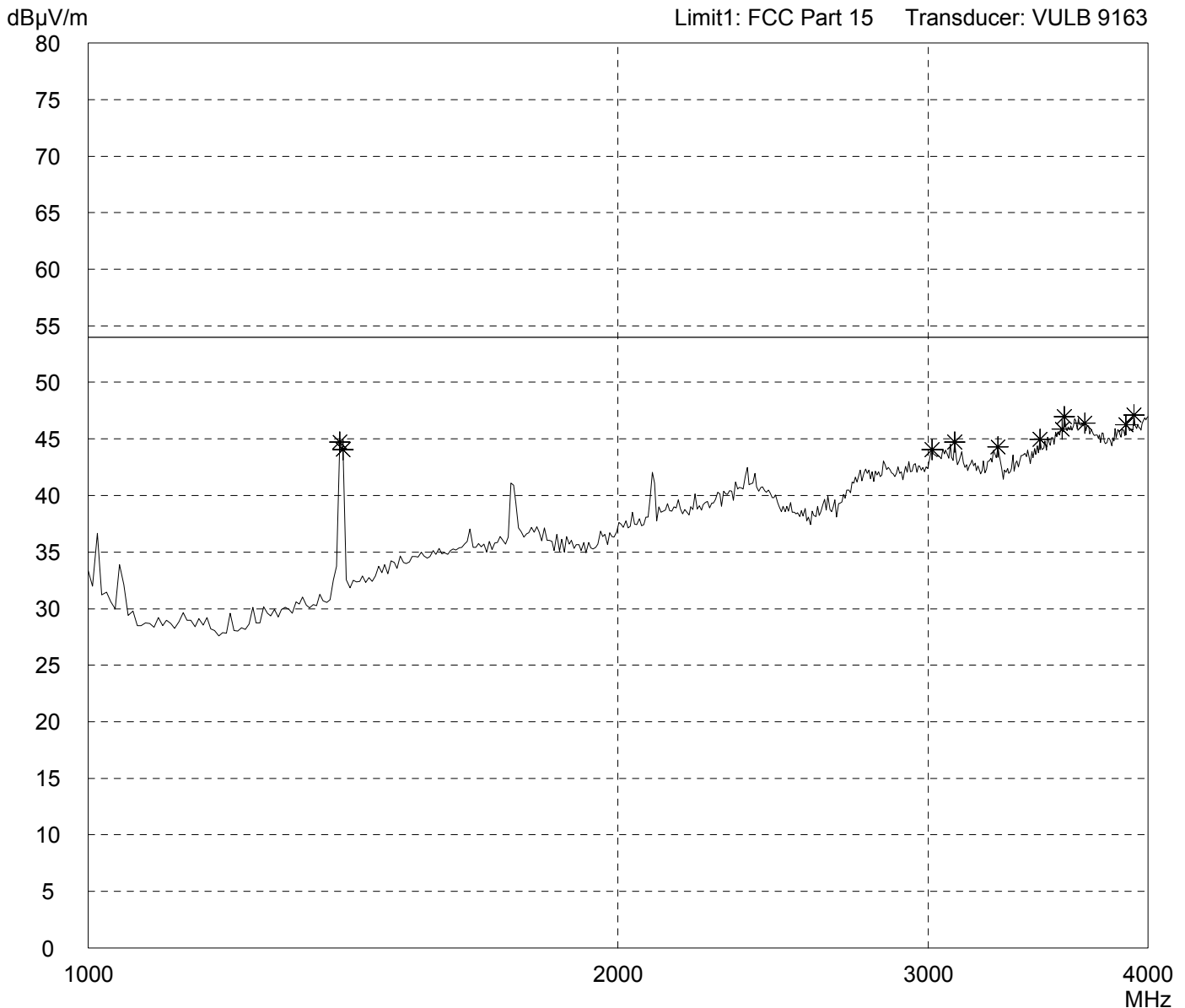


Result: Prescan	Project file: 56109-40074
	Page of Pages

Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: AC4424-100	Comment: TX CW middle channel Notch Filter on fundamental frequency
Serial no.: #1	
Applicant: AEROCOMM	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

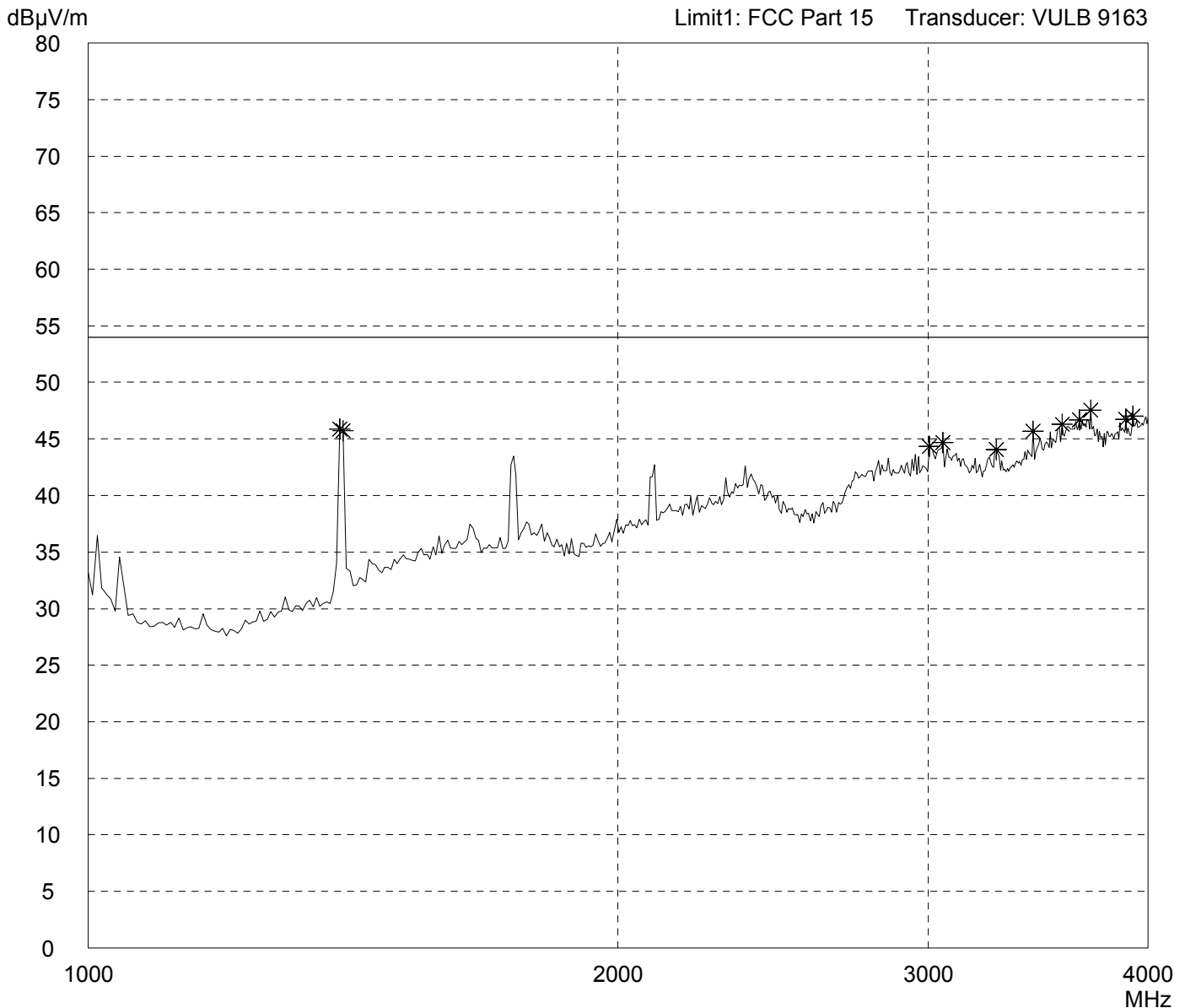


Result: Limit kept	Project file: 56109-40074
	Page of Pages

Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: AC4424-100	Comment: TX CW middle channel Notch Filter on fundamental frequency
Serial no.: #1	
Applicant: AEROCOMM	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

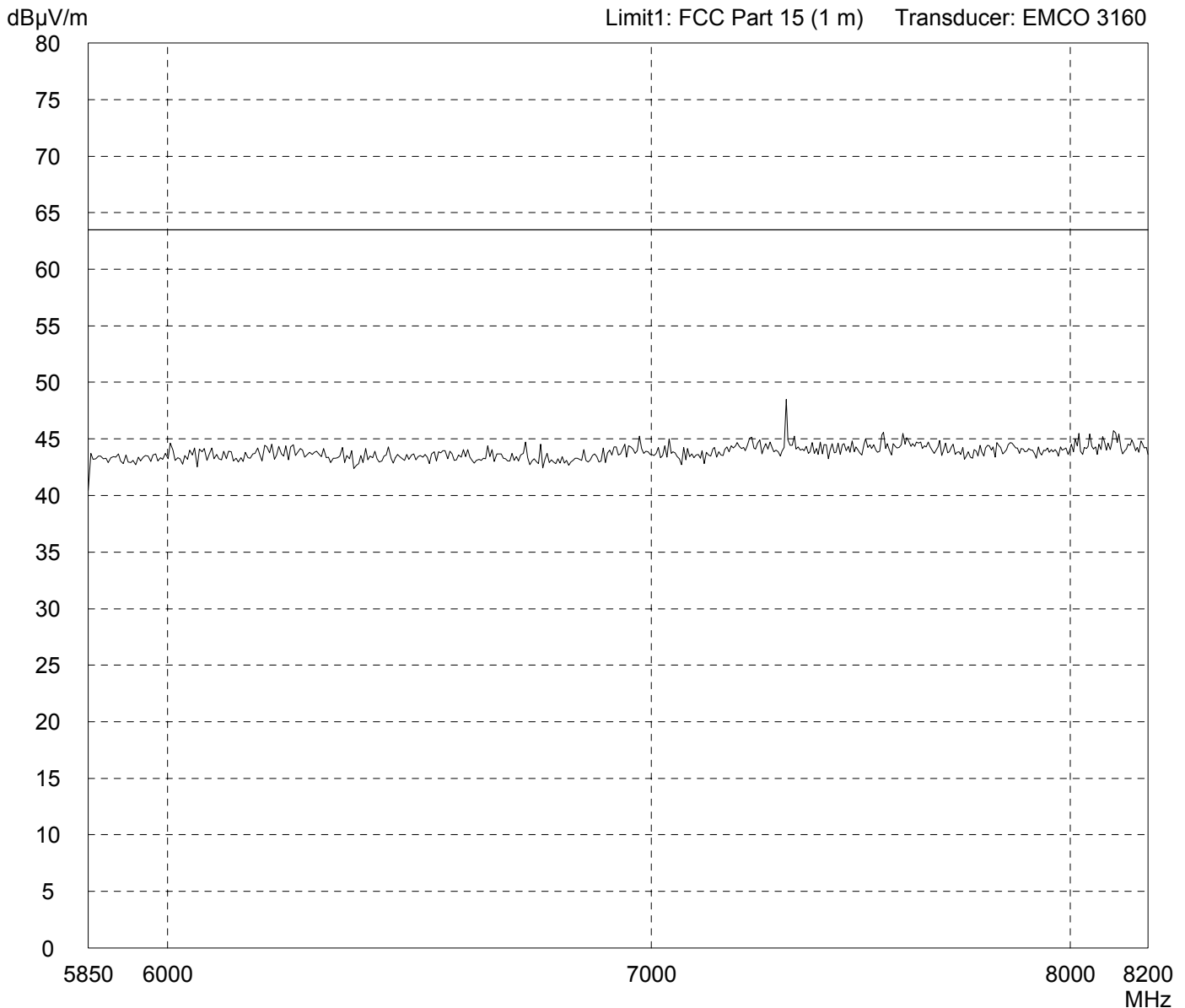


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC 4424-100	Comment: TX CW at middle channel
Serial no.: # 1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

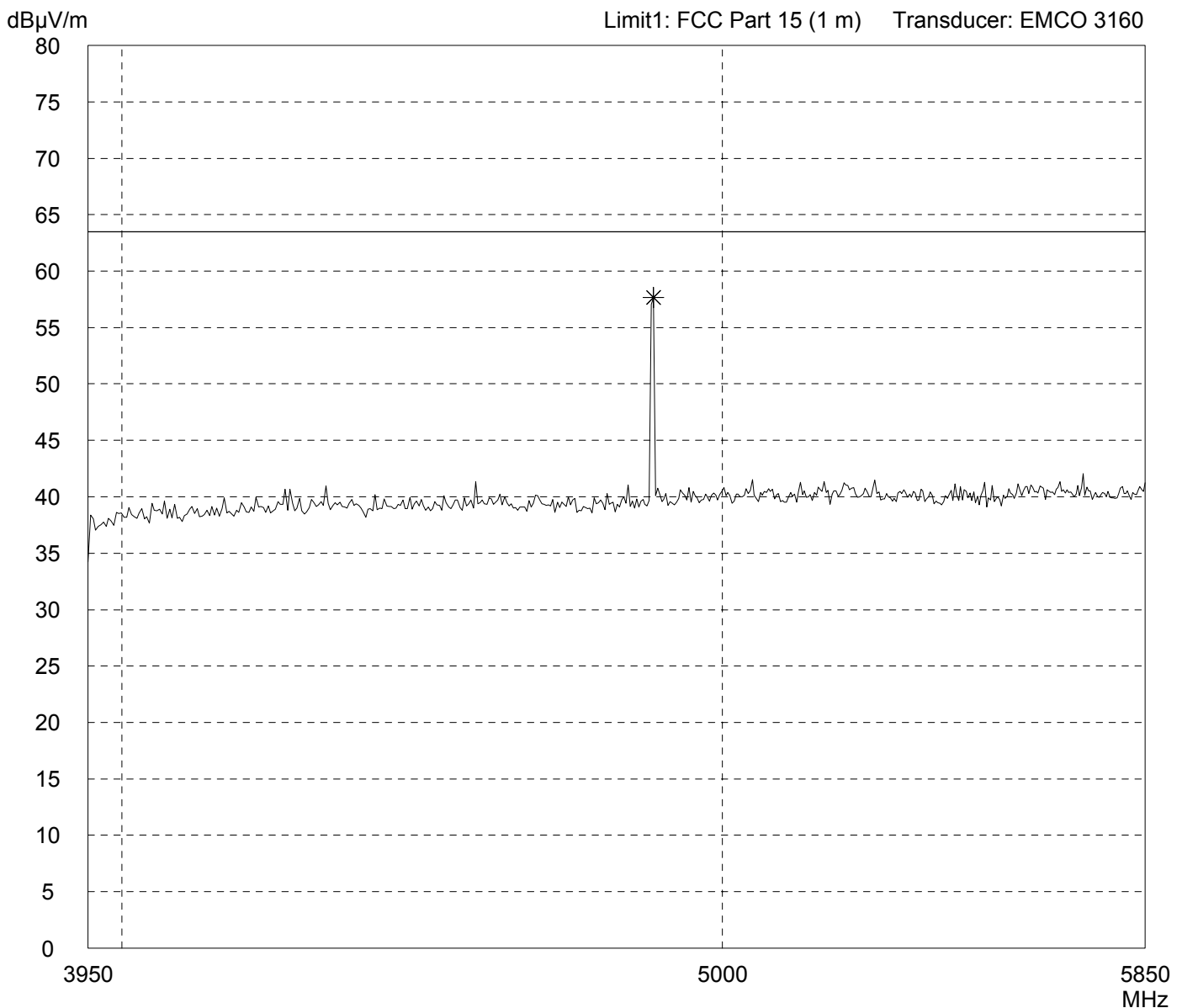


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC 4424-100	Comment: TX CW at middle channel
Serial no.: # 1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

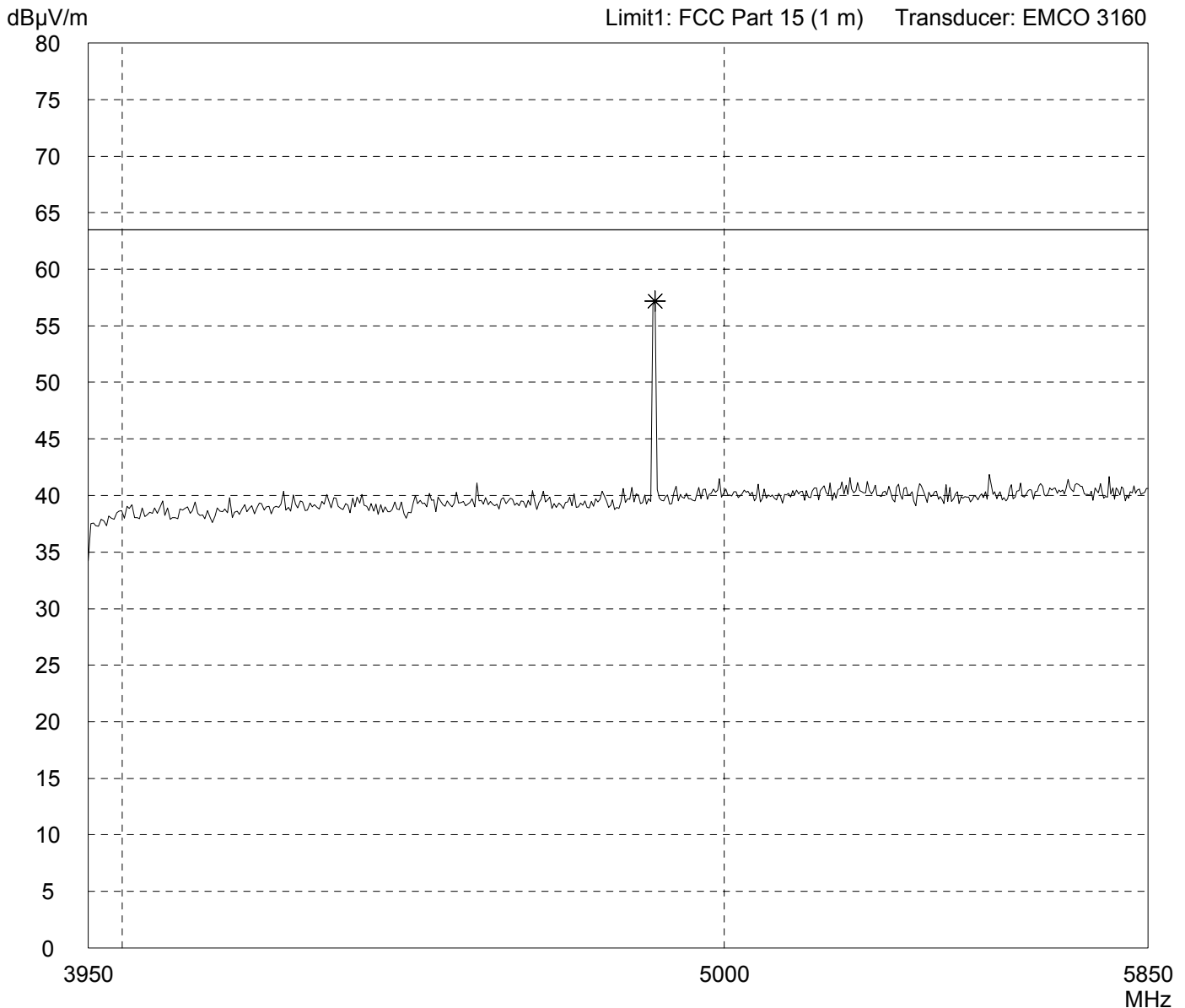


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC 4424-100	Comment: TX CW at middle channel
Serial no.: # 1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

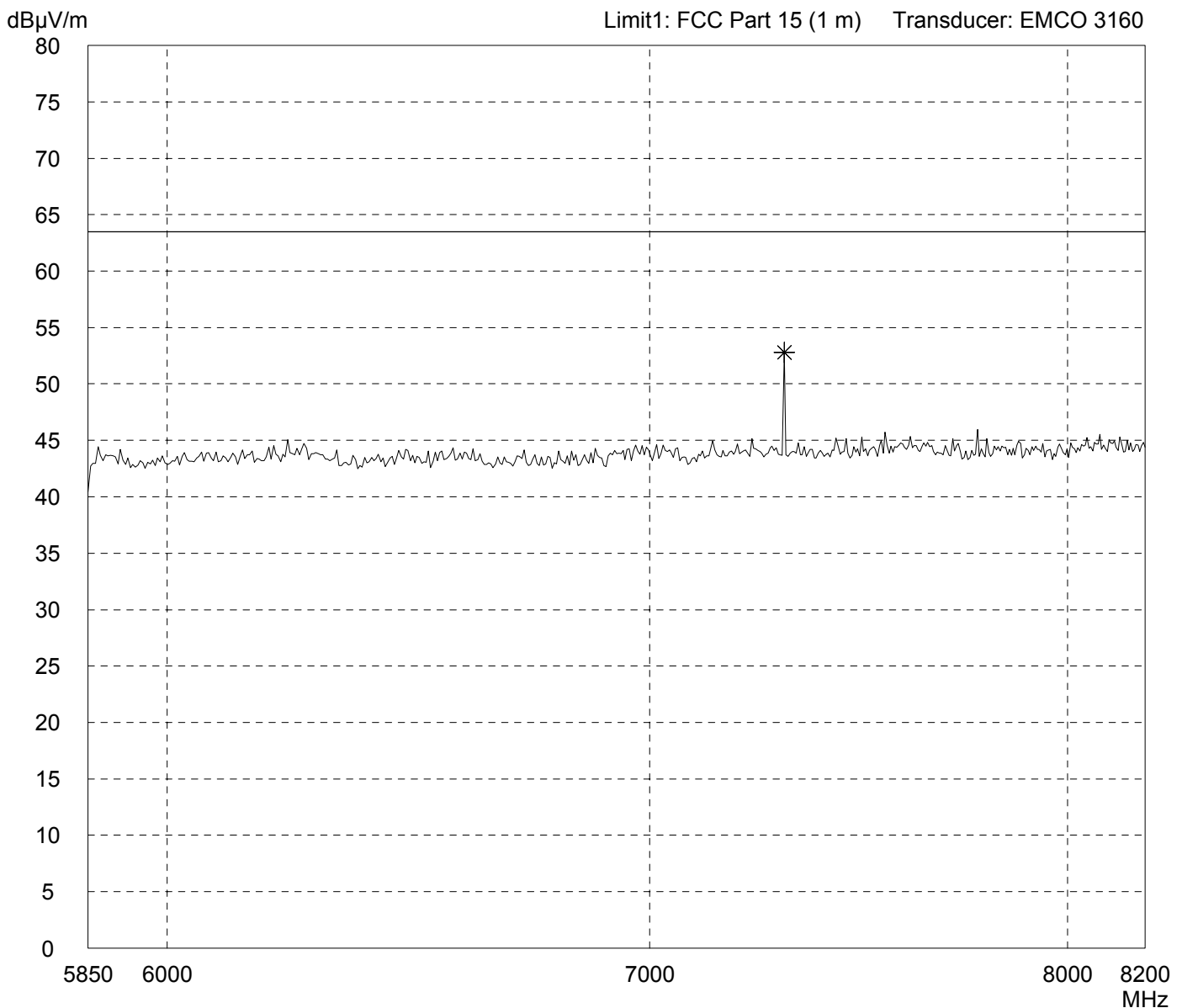


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC 4424-100	Comment: TX CW at middle channel
Serial no.: # 1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

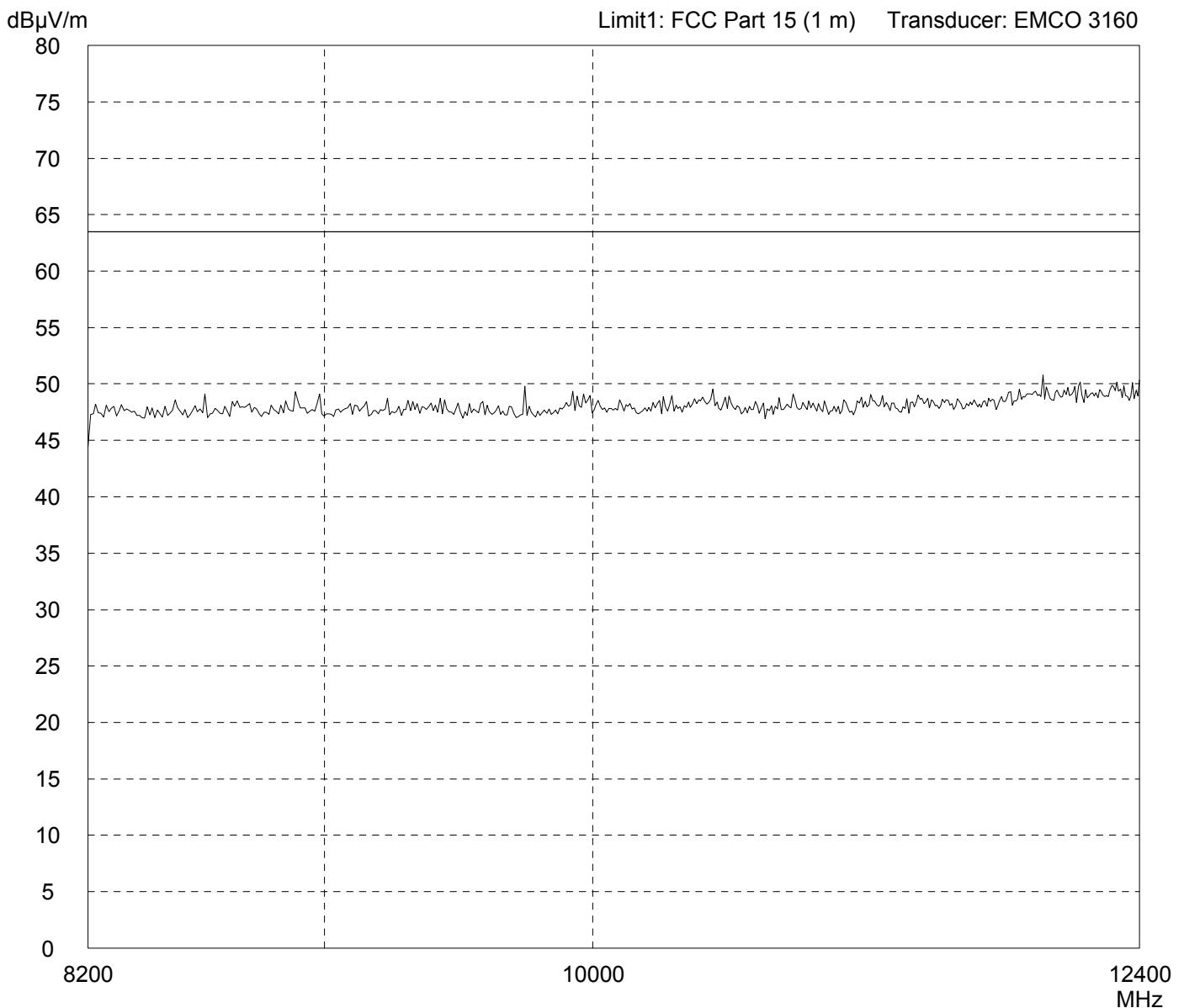


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: - TX at middle channel -CW
Serial no.: #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 03/05/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

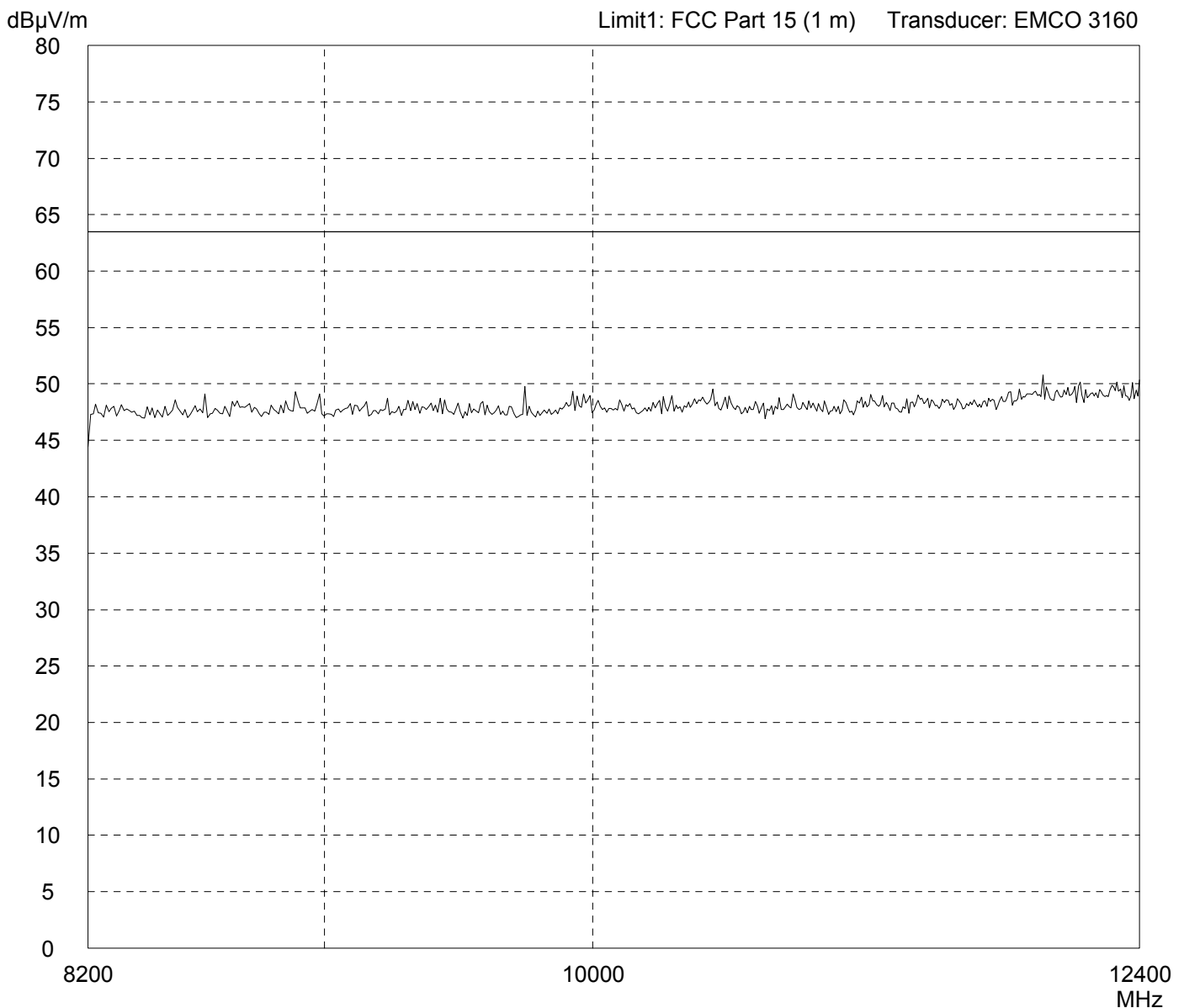


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: - TX at middle channel -CW
Serial no.: #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 03/05/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

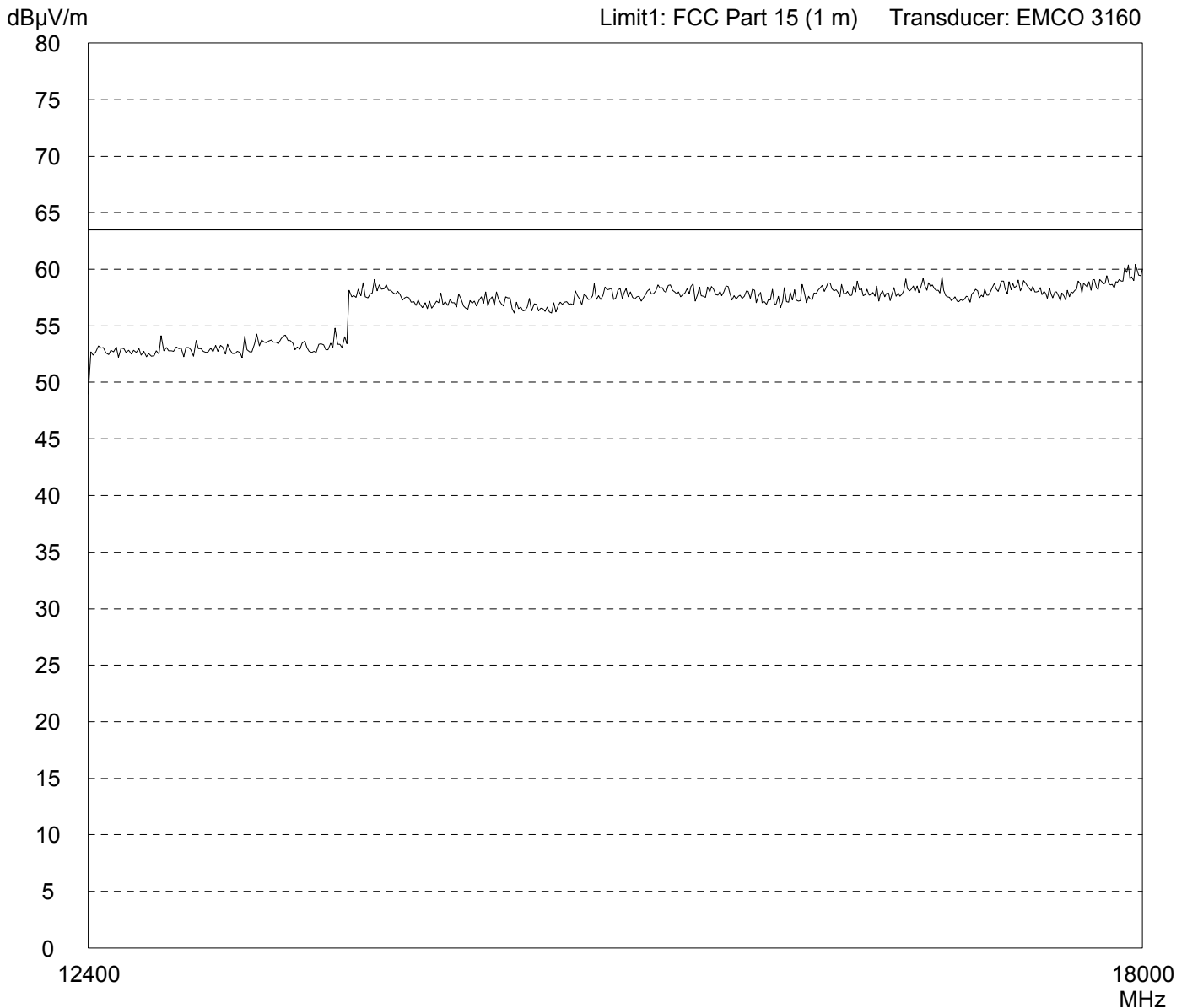


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: - TX at high channel -CW
Serial no.: #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 03/05/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

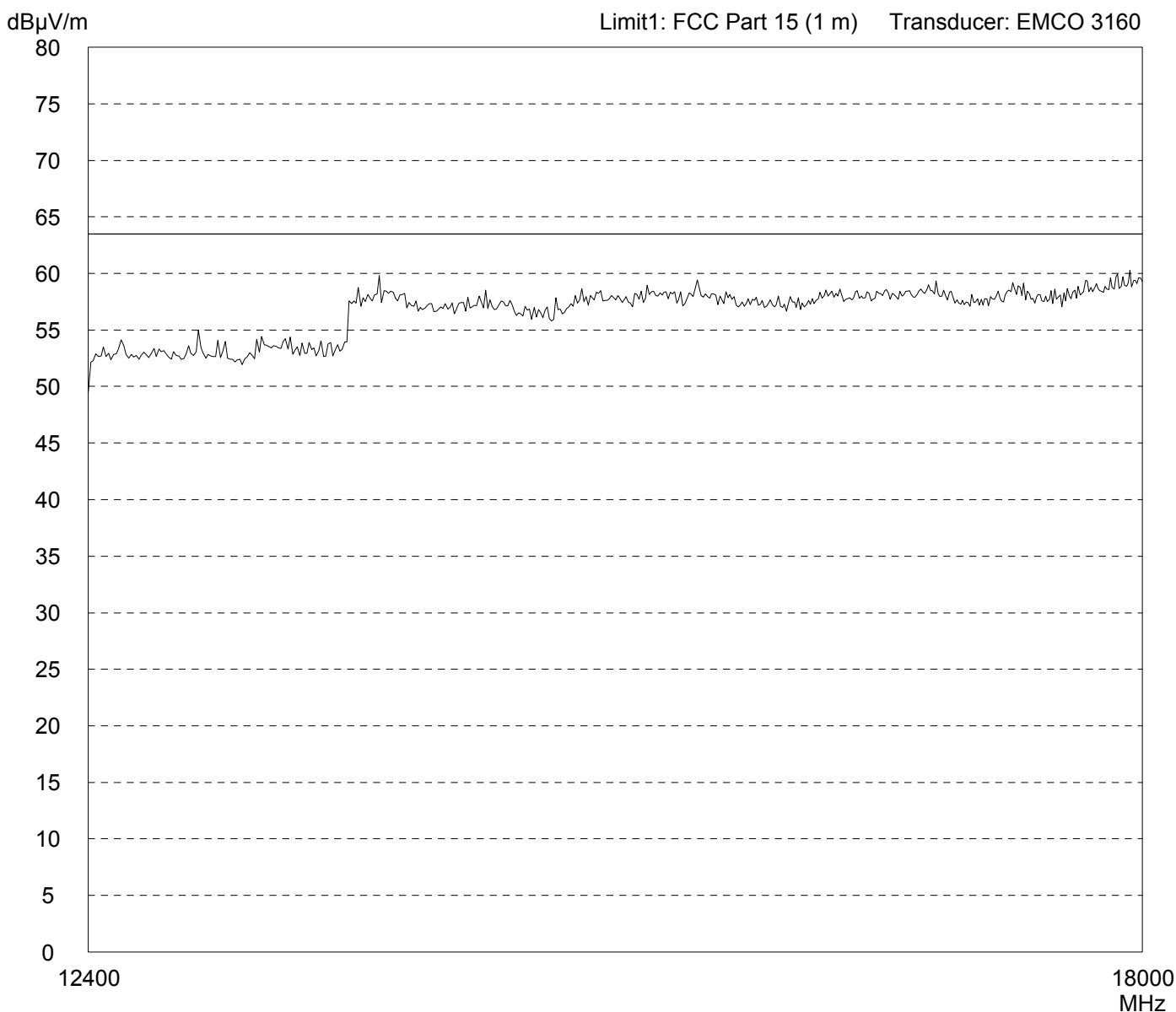


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: - TX at high channel -CW
Serial no.: #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 03/05/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

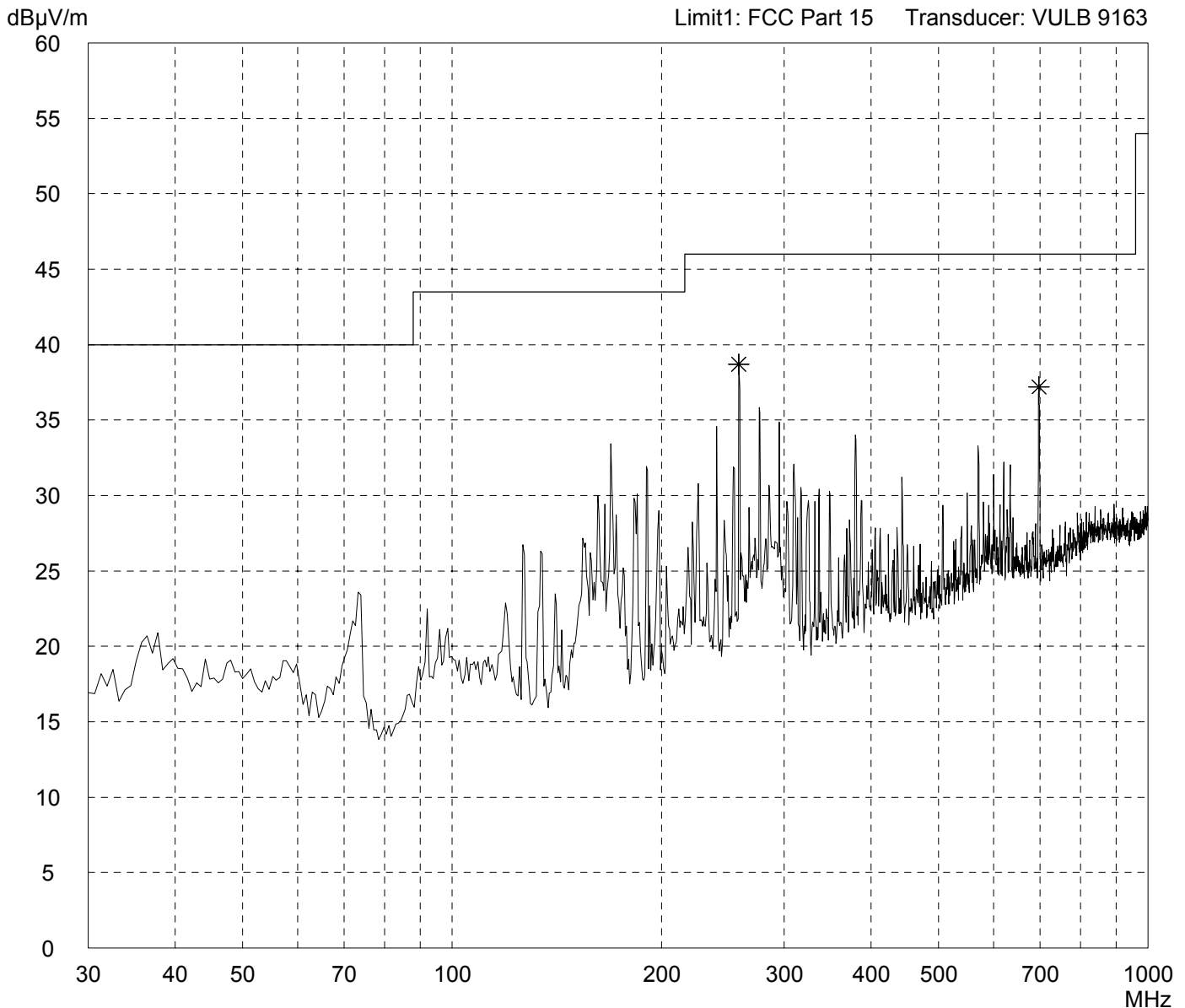


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: TX CW highest channel
Serial no.: #1	
Applicant: AEROCOMM	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

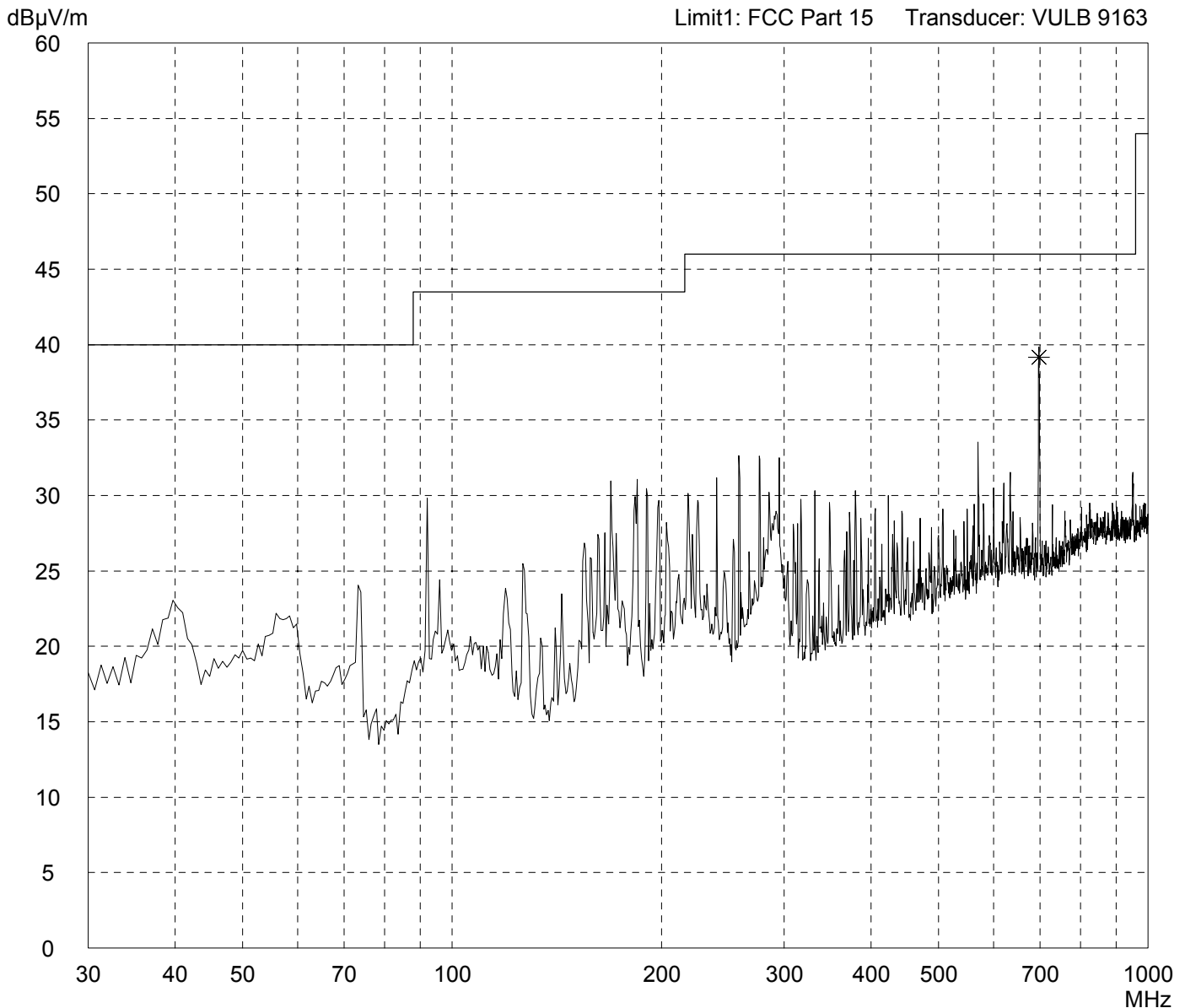


Result: Prescan	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: TX CW highest channel
Serial no.: #1	
Applicant: AEROCOMM	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

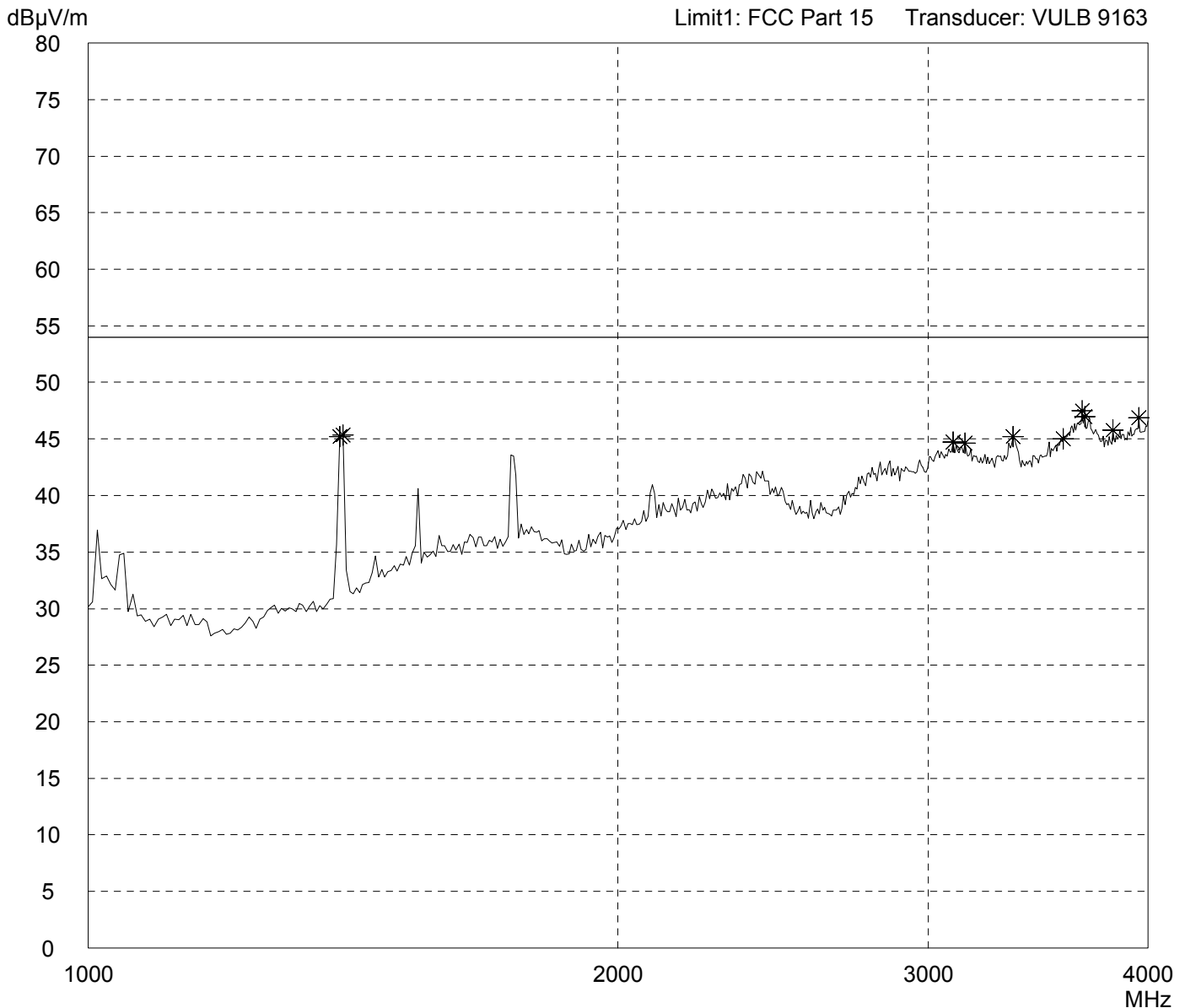


Result: Prescan	Project file: 56109-40074
	Page of Pages

Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: AC4424-100	Comment: TX CW highest channel Notch Filter on fundamental frequency
Serial no.: #1	
Applicant: AEROCOMM	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

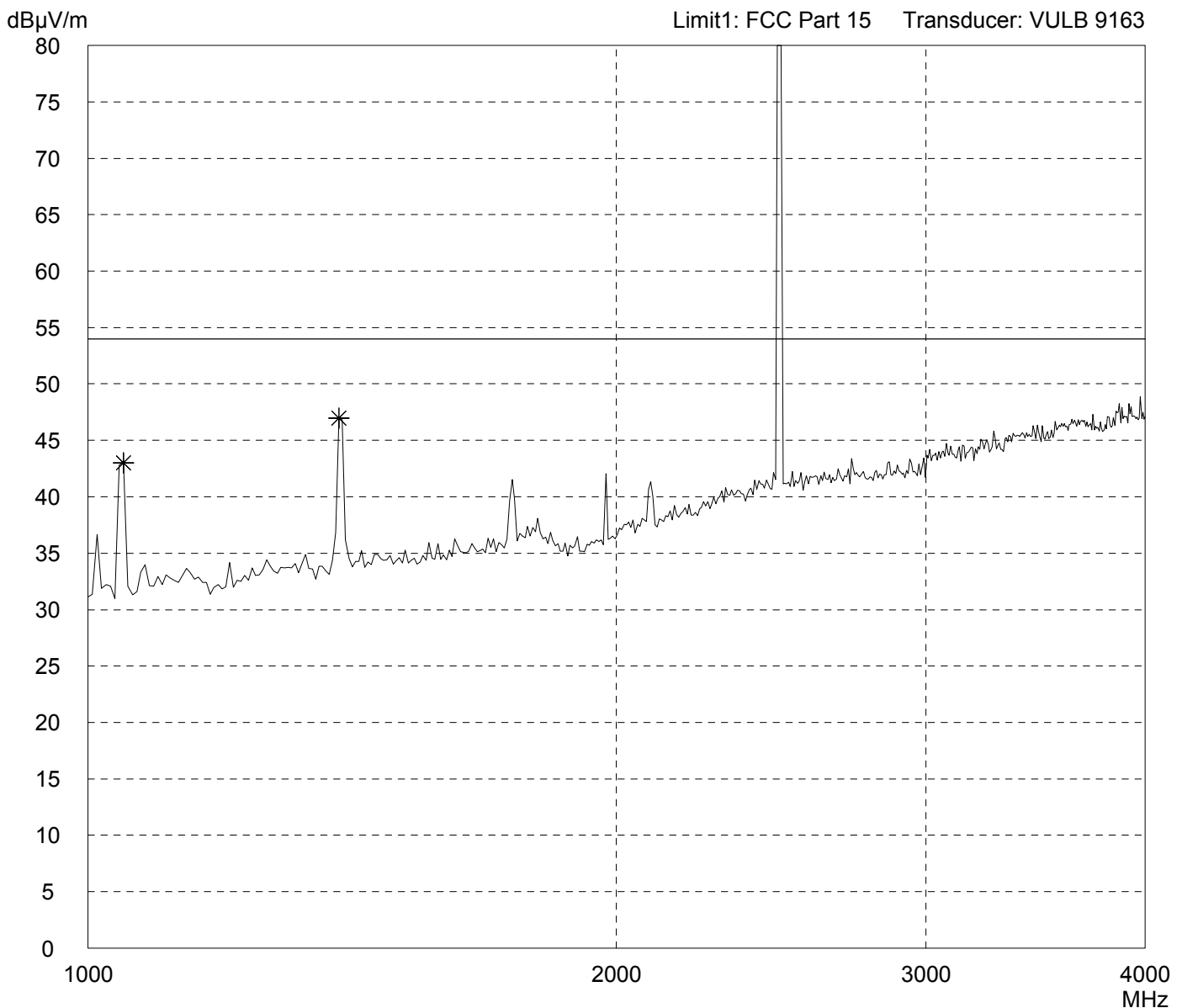


Result: Limit kept	Project file: 56109-40074
	Page of Pages

Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: AC4424-100	Comment: TX CW highest channel
Serial no.: #1	
Applicant: AEROCOMM	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

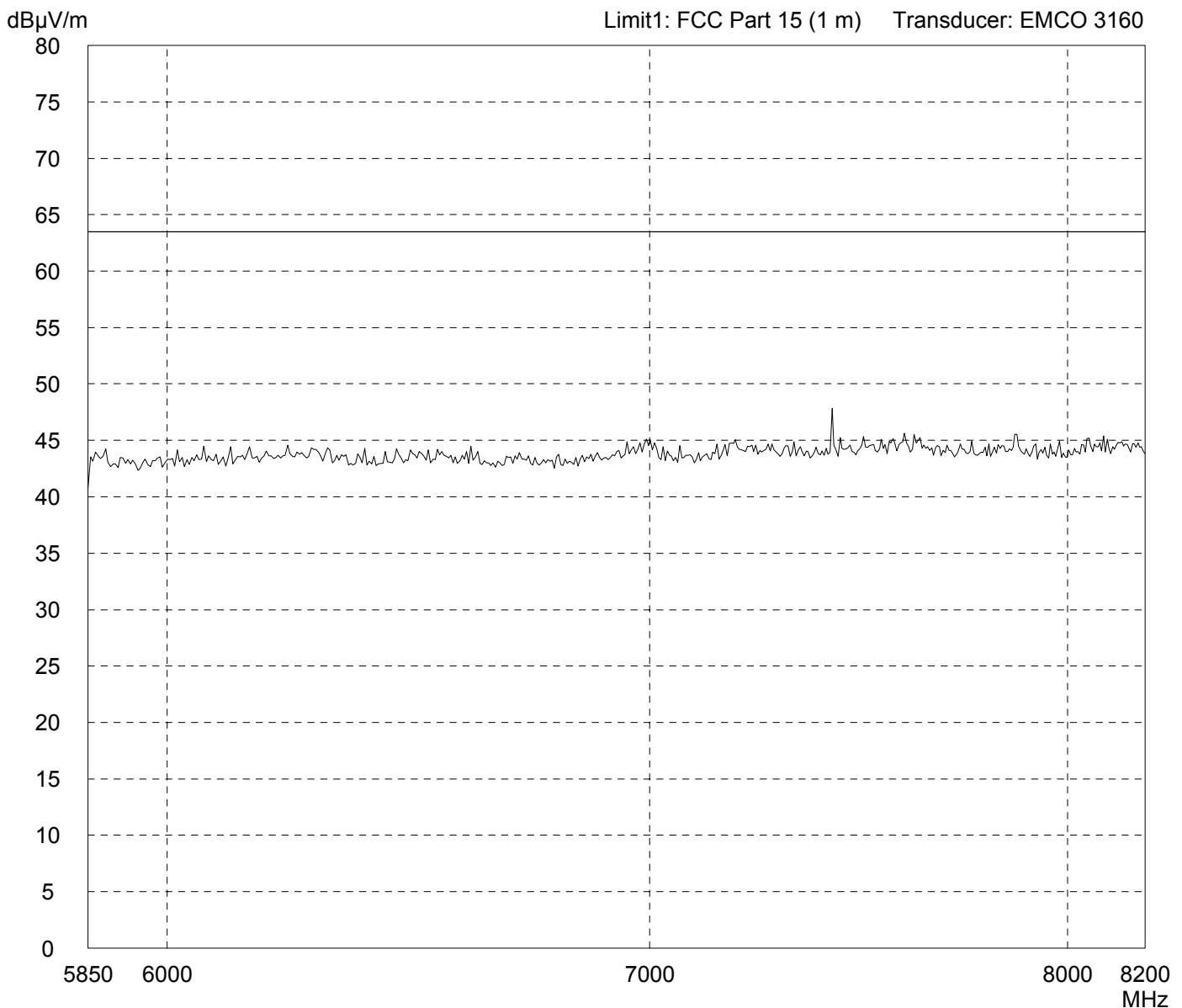


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC 4424-100	Comment: TX CW at high channel
Serial no.: # 1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

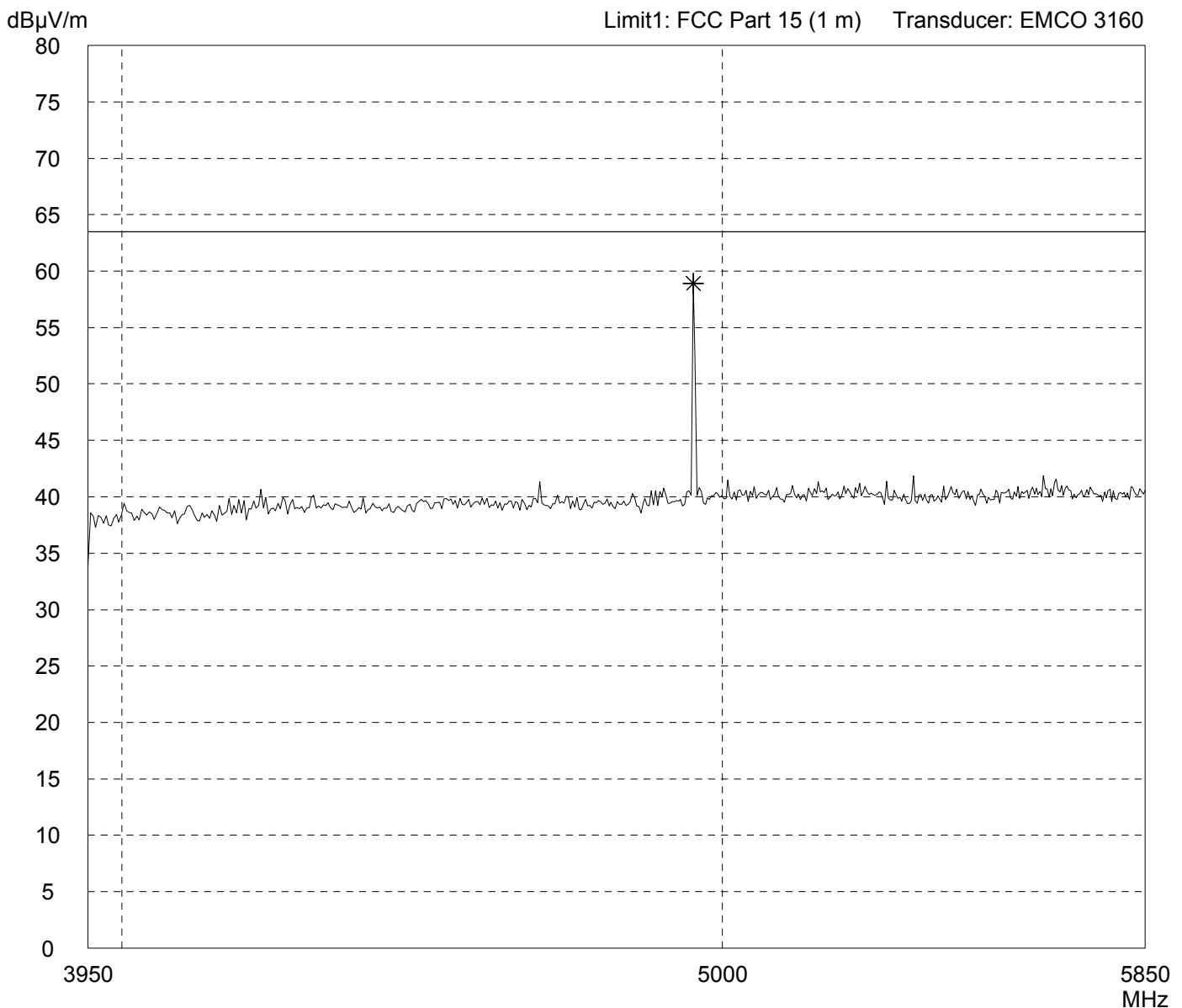


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC 4424-100	Comment: TX CW at high channel
Serial no.: # 1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

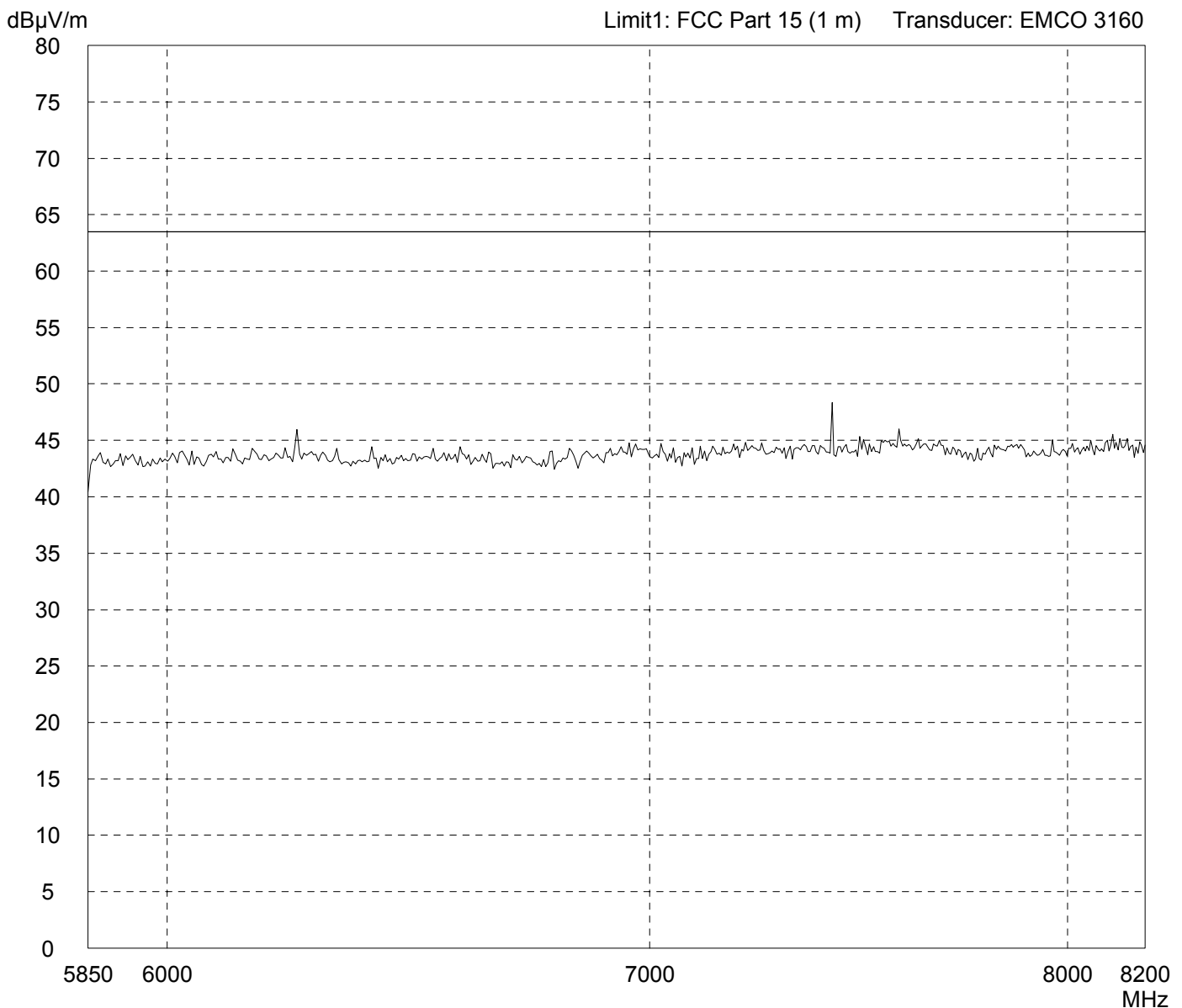


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC 4424-100	Comment: TX CW at high channel
Serial no.: # 1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

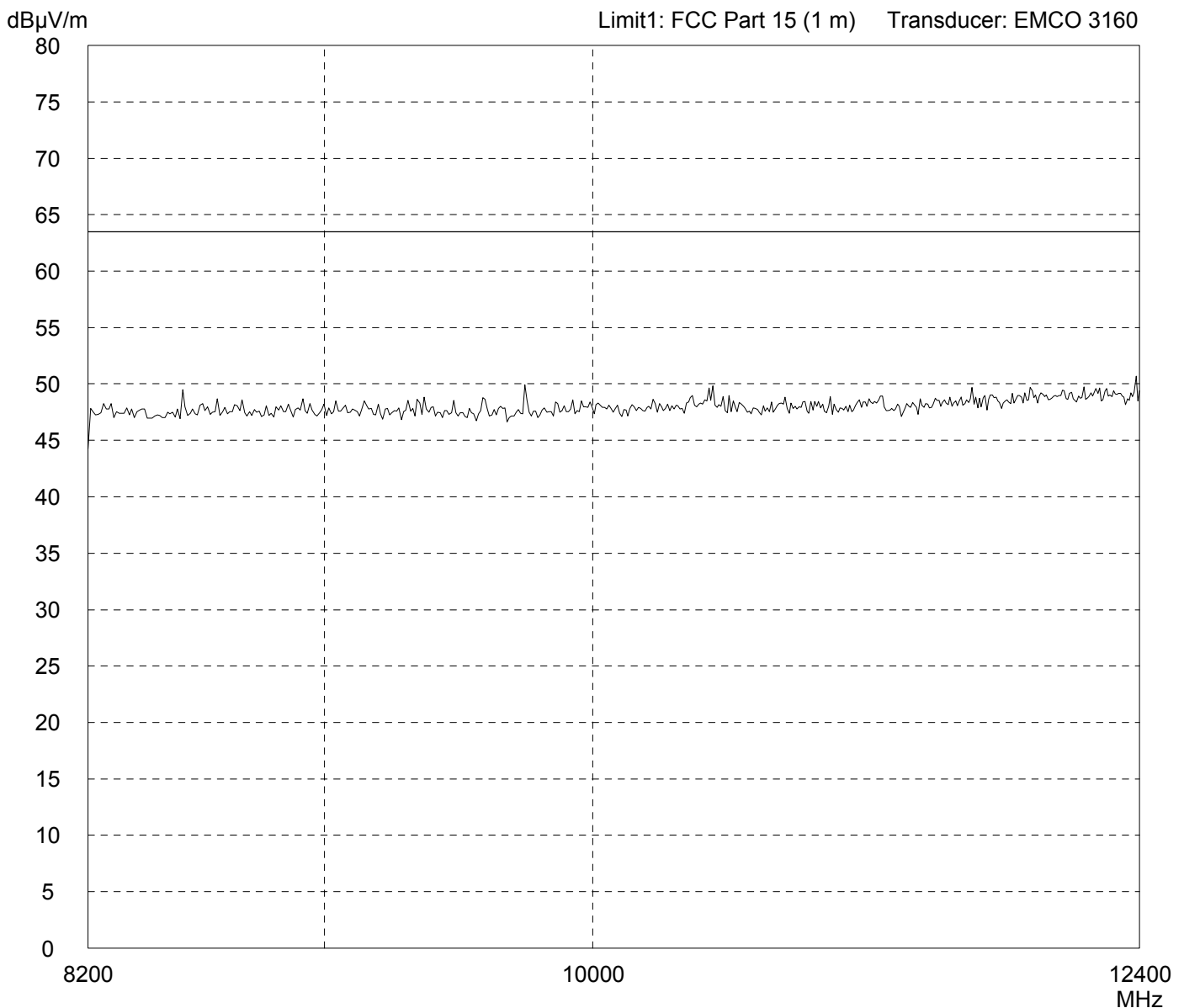


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: - TX at high channel -CW
Serial no.: #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 03/05/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

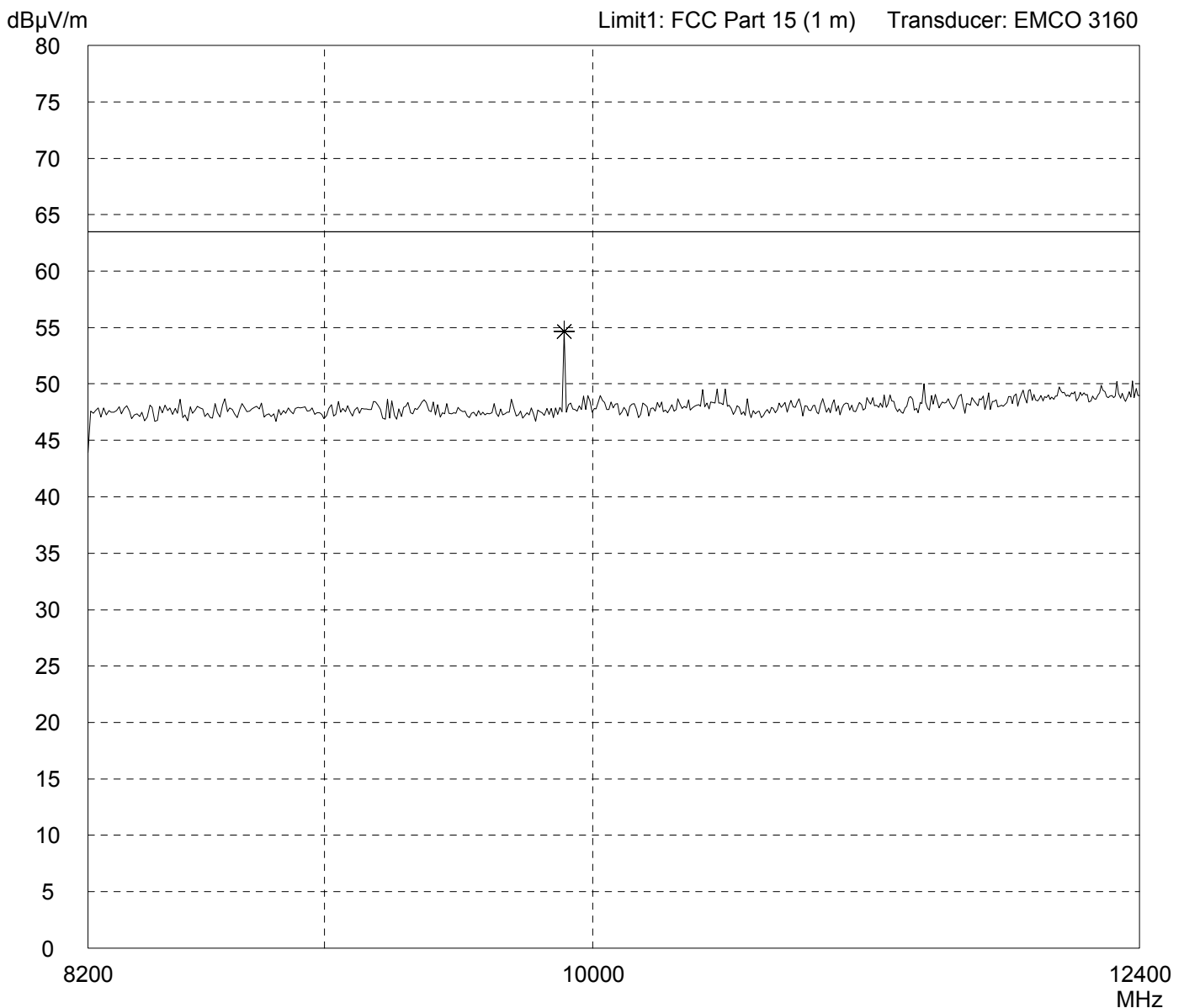


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: - TX at high channel -CW
Serial no.: #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 03/05/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

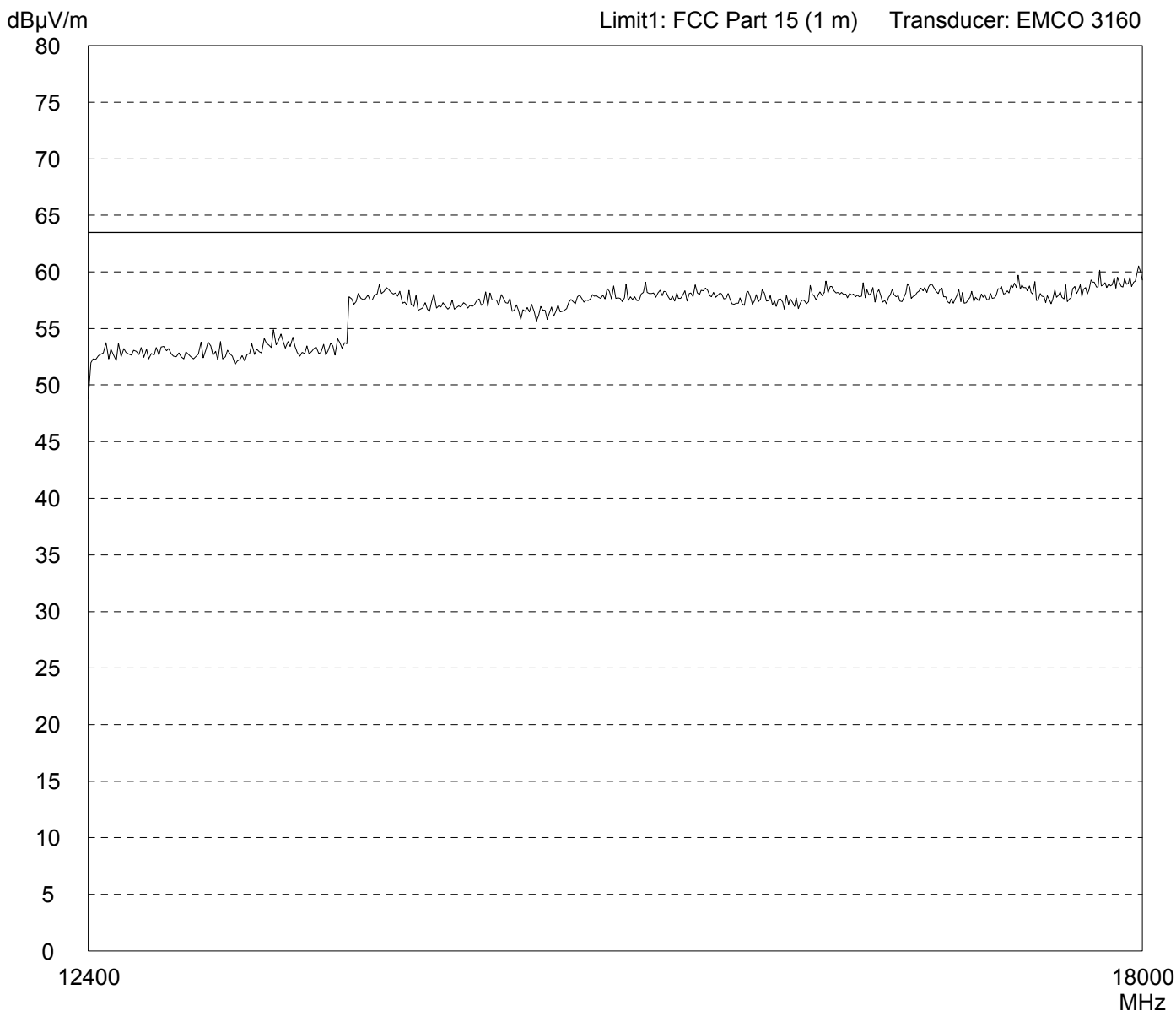


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: - TX at high channel -CW
Serial no.: #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 03/05/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

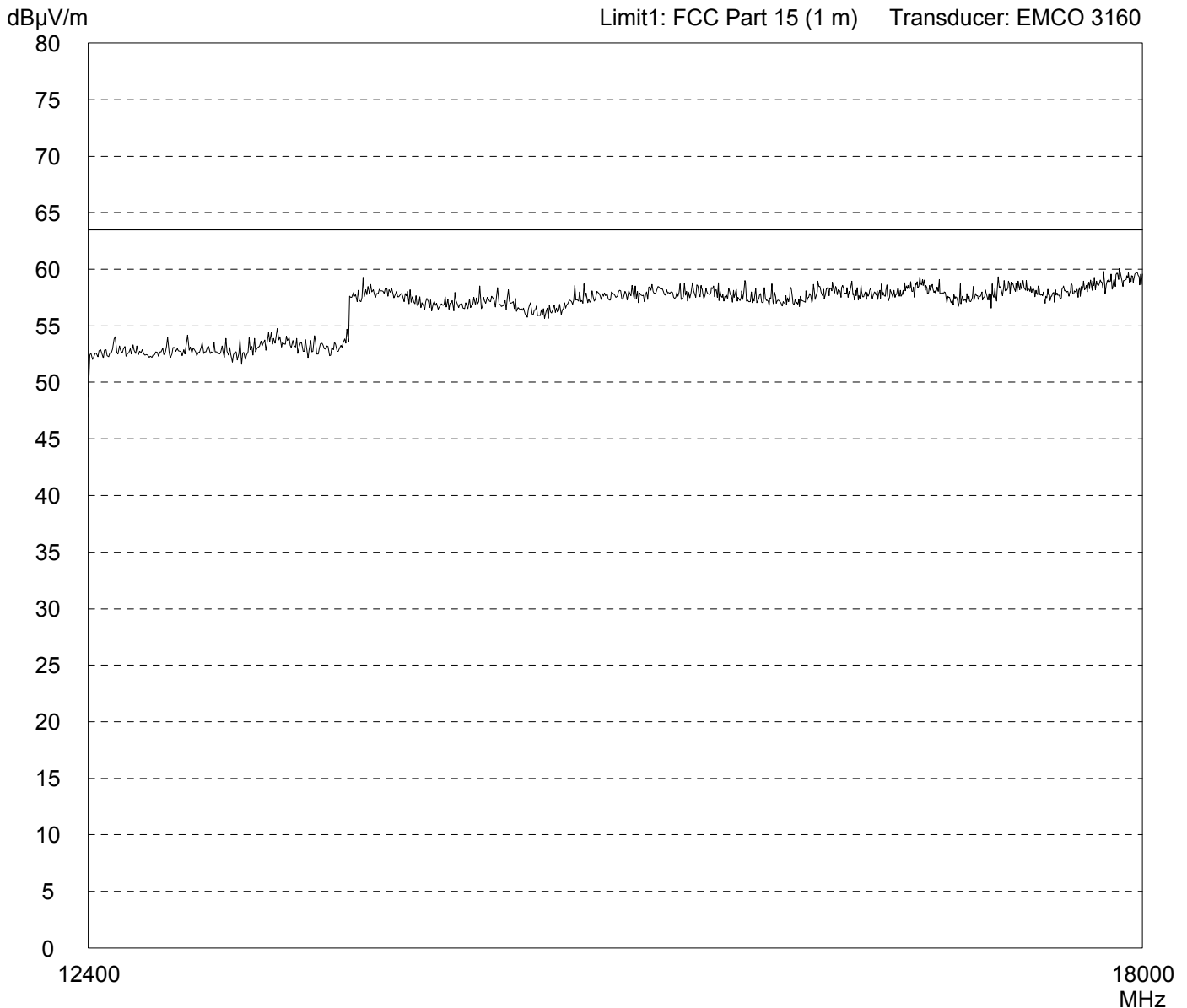


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: - TX at high channel -CW
Serial no.: #1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 03/05/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

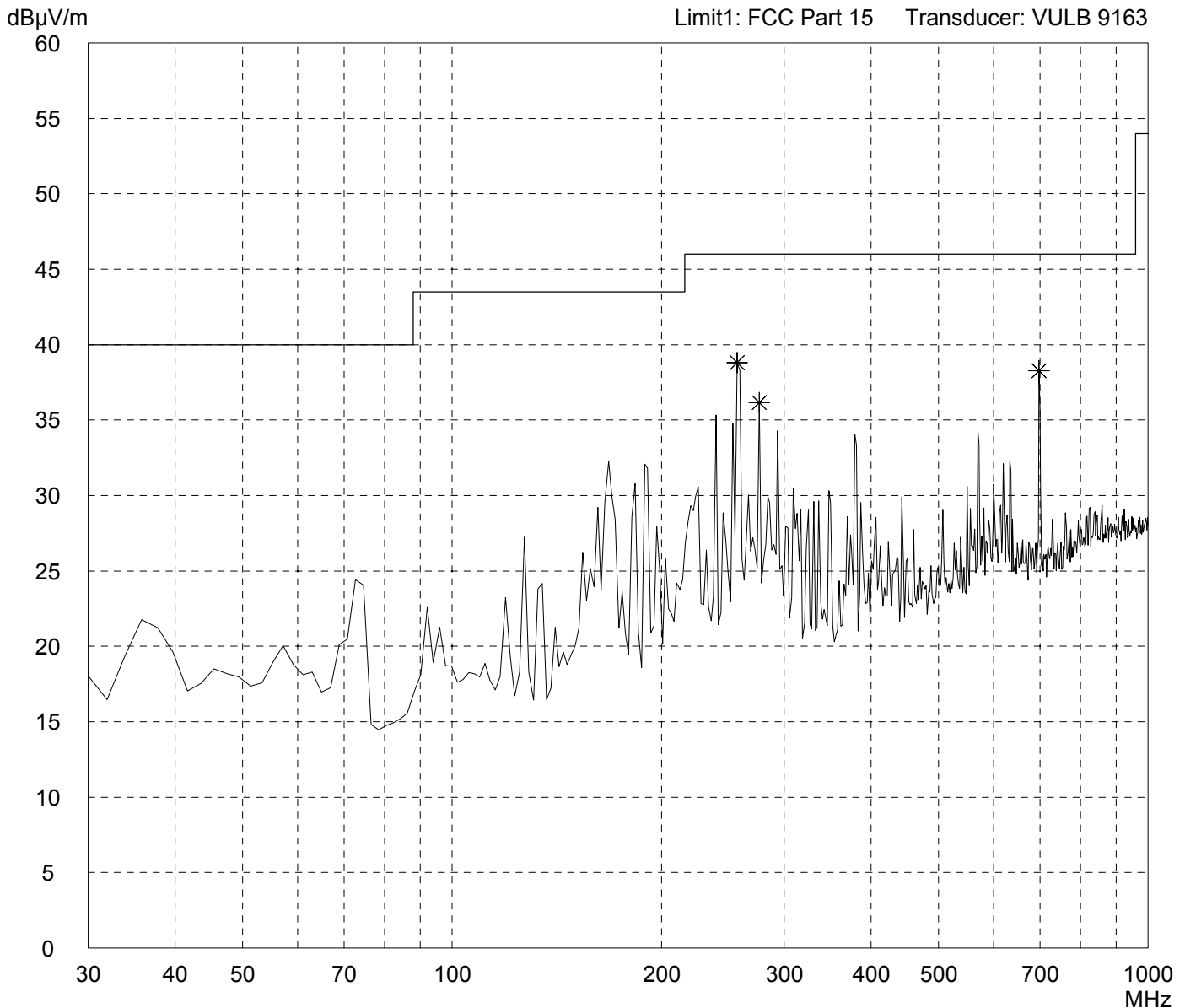


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: RX at middle channel
Serial no.: #1	
Applicant: AEROCOMM	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

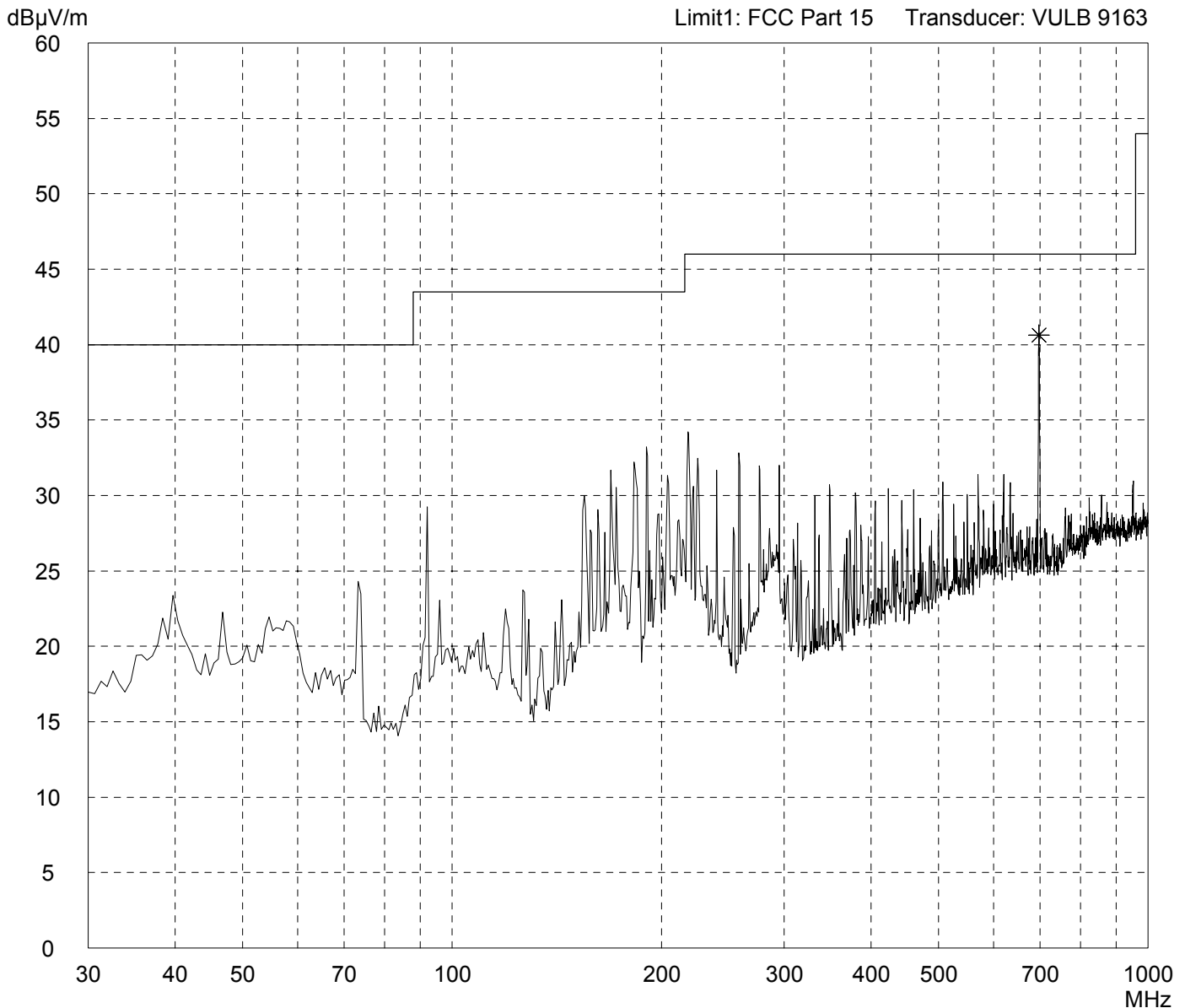


Result: Prescan	Project file: 56109-40074
	Page of Pages

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

Model: AC4424-100	Comment: RX at middle channel
Serial no.: #1	
Applicant: AEROCOMM	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

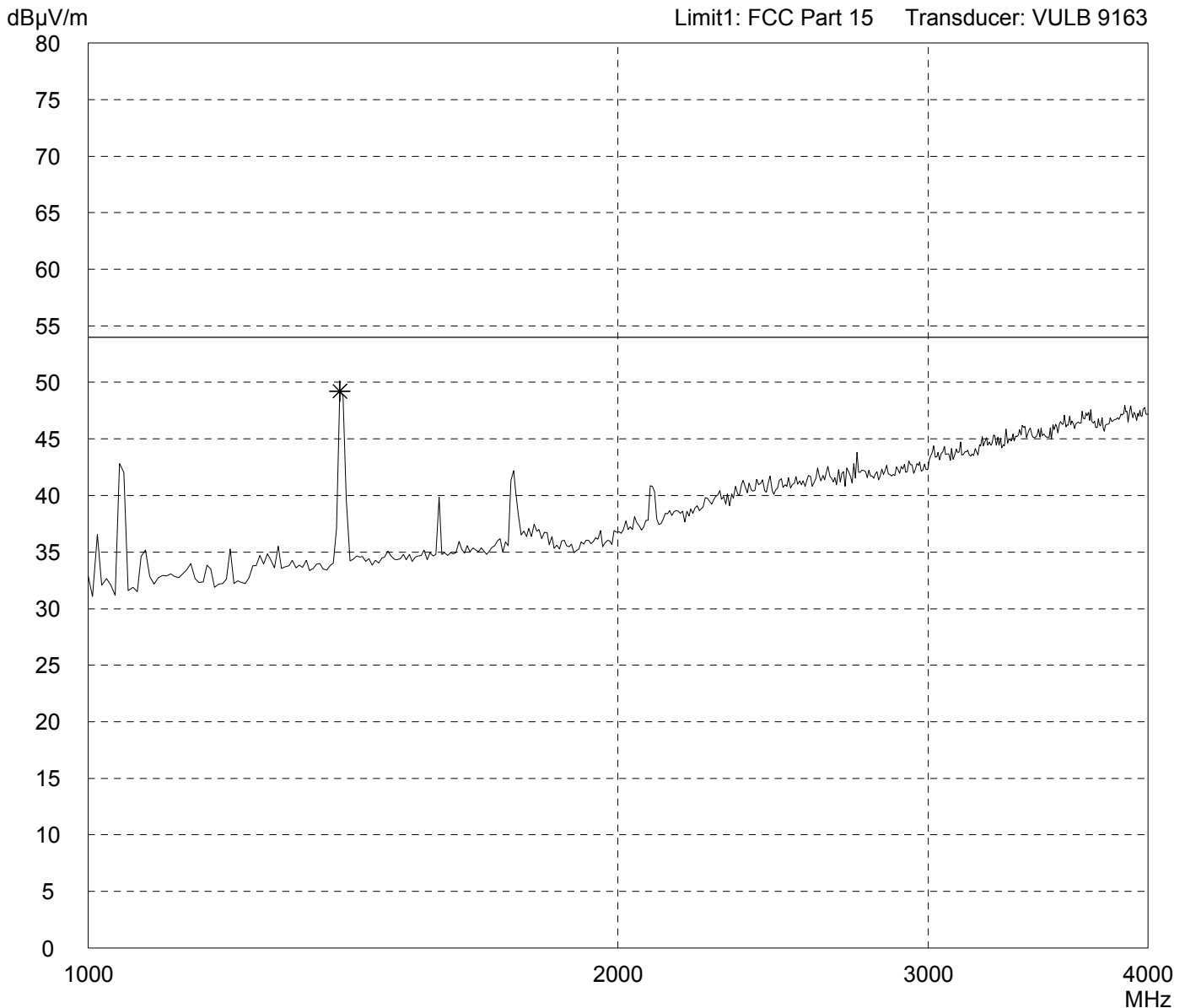


Result: Prescan	Project file: 56109-40074
	Page of Pages

Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: AC4424-100	Comment: RX middle channel
Serial no.: #1	
Applicant: AEROCOMM	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

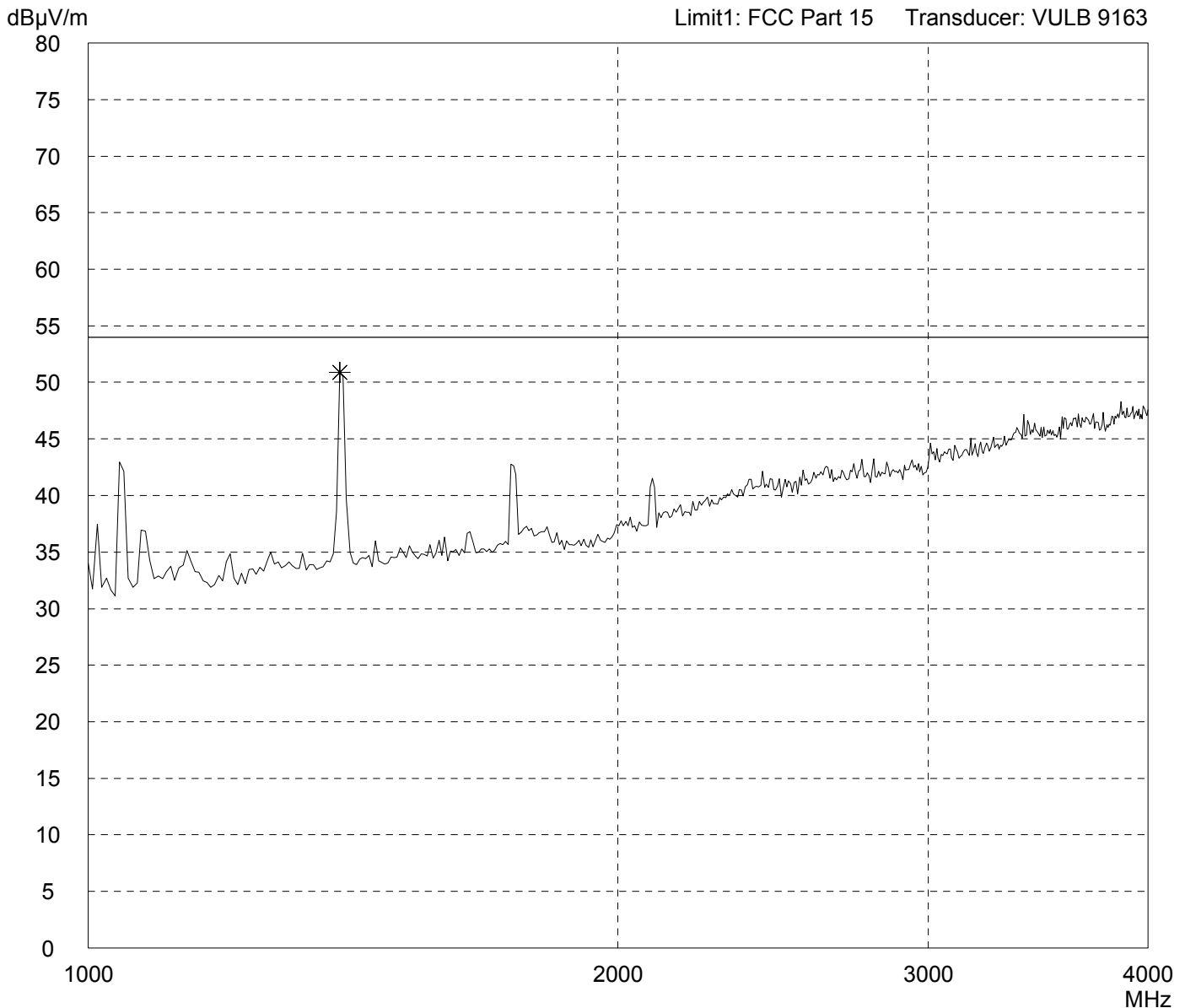


Result: Limit kept	Project file: 56109-40074
	Page of Pages

Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

Model: AC4424-100	Comment: RX middle channel
Serial no.: #1	
Applicant: AEROCOMM	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 3 metres Vertical Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

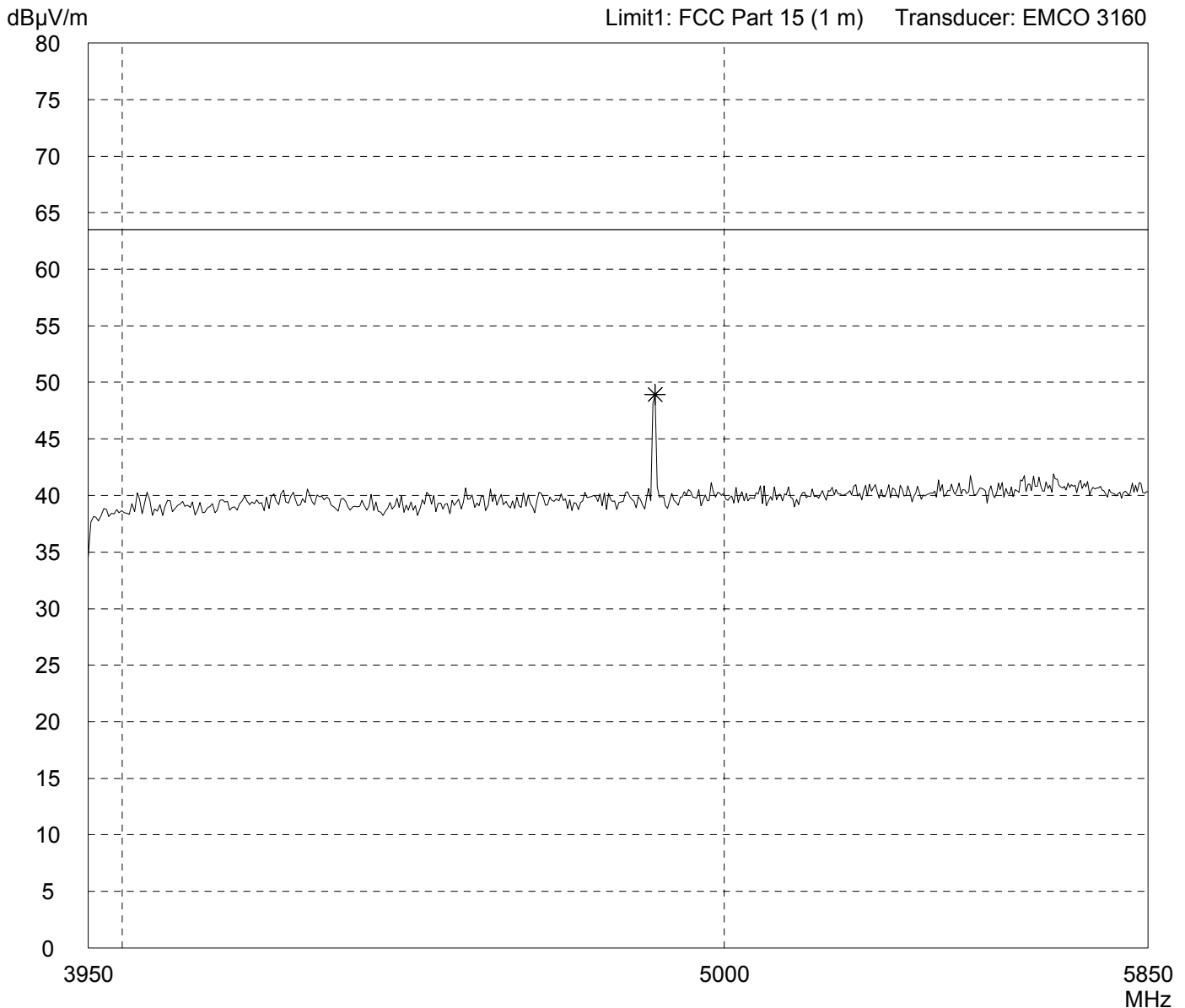


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC 4424-100	Comment: RX at middle channel
Serial no.: # 1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

Detector: Peak	List of values: Selected by hand
--------------------------	--

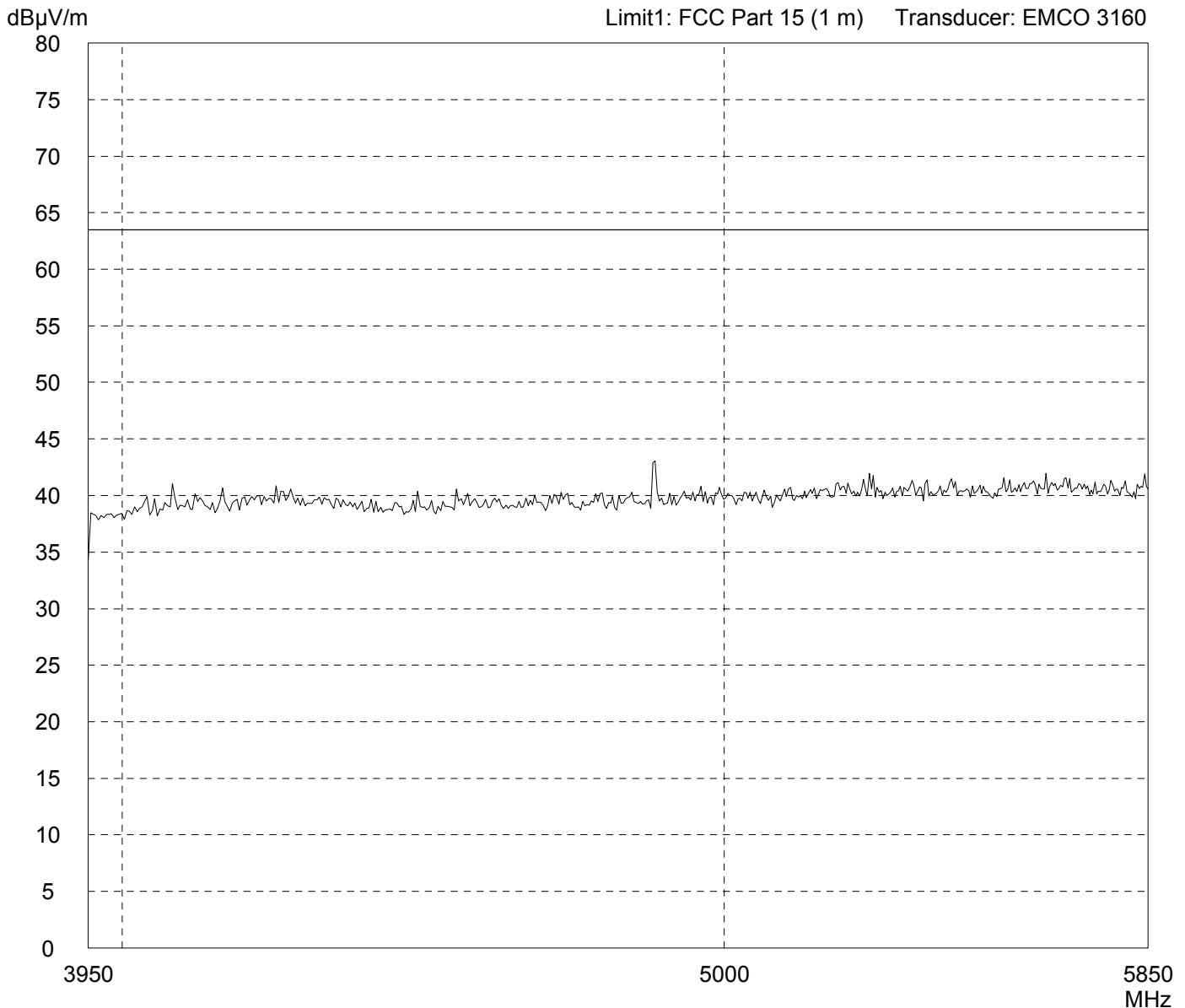


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC 4424-100	Comment: RX at middle channel
Serial no.: # 1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

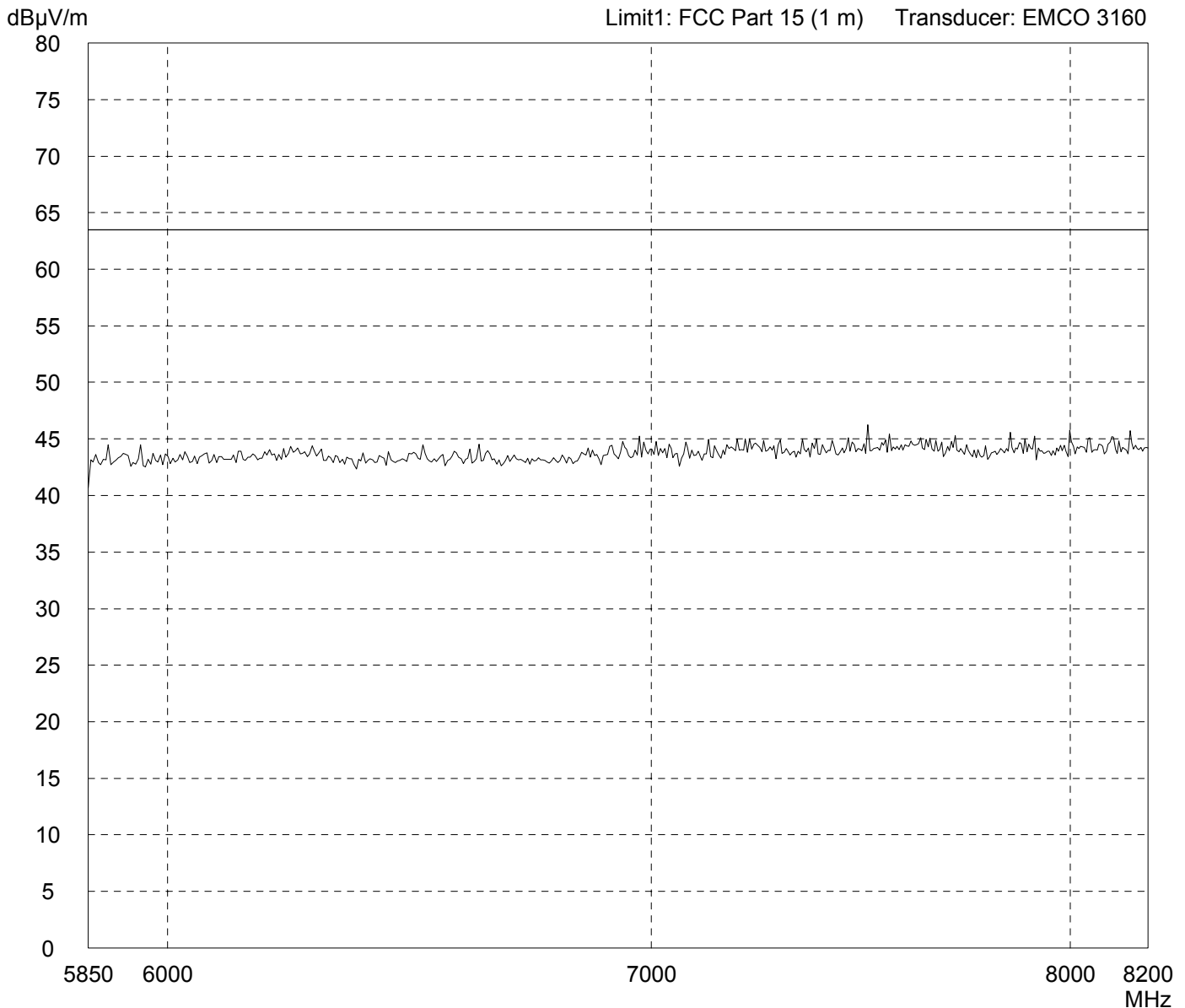


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC 4424-100	Comment: RX at middle channel
Serial no.: # 1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Horizontal Polarization	
Date of test: 02/16/2004	Operator: J. Roidt
Test performed: automatically	File name: default.emi

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

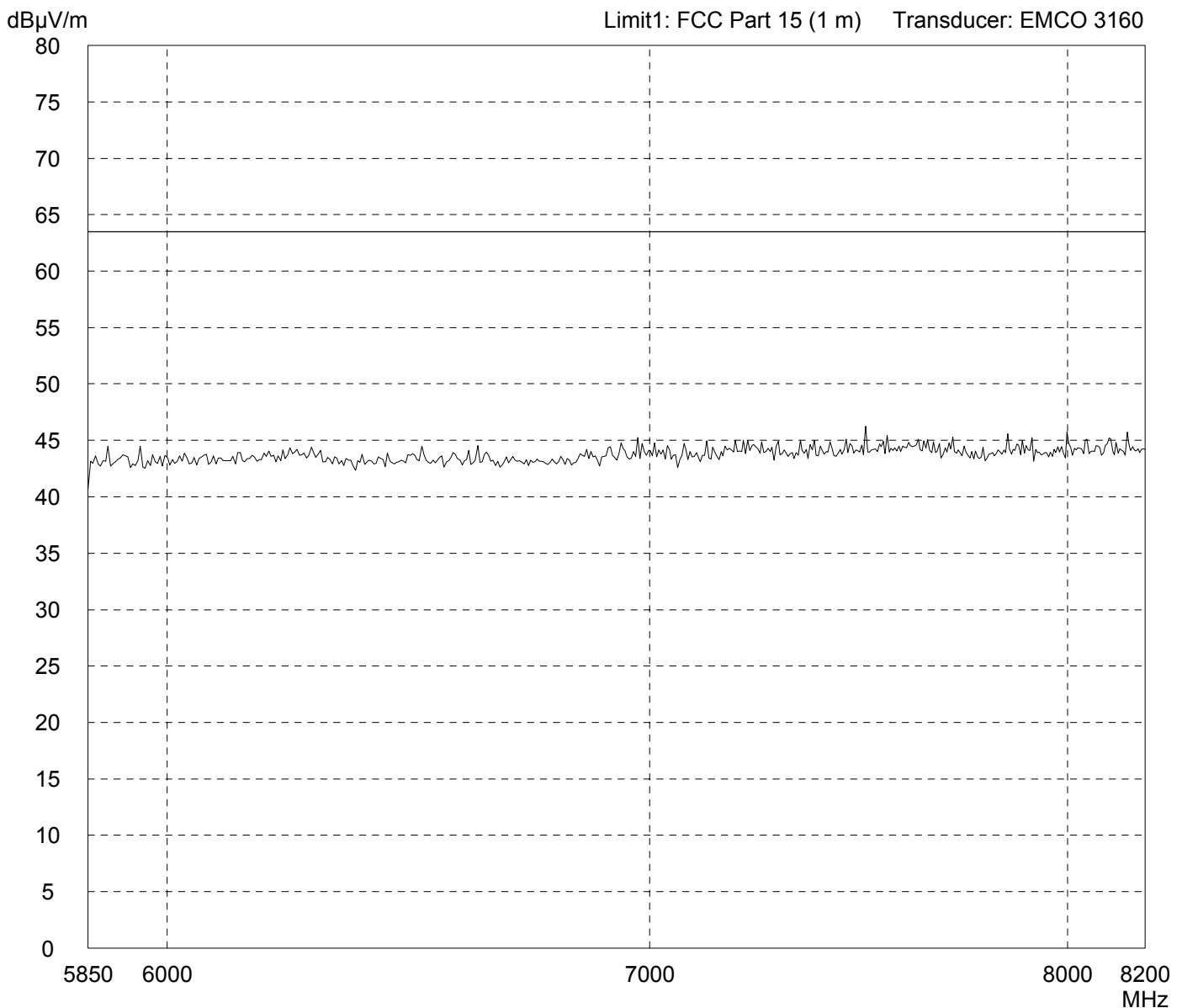


Result: Limit kept	Project file: 56109-40074
	Page of Pages

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

Model: AC 4424-100	Comment: RX at middle channel
Serial no.: # 1	
Applicant: AEROCOMM, Inc.	
Test site: Fully anechoic room, cabin no. 2	
Tested on: Test distance 1 meter Vertical Polarization	
Date of test: 02/16/2004	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: 56109-40074
	Page of Pages

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

Model:
AC4424-100

Serial no.:
#1

Applicant:
AEROCOMM, Inc.

Test site:
Shielded room, cabin no. 2

Tested on:
Linecord

Date of test:
03/06/2004

Operator:
J. Roidt

Test performed:
automatically

File name:

Mode:

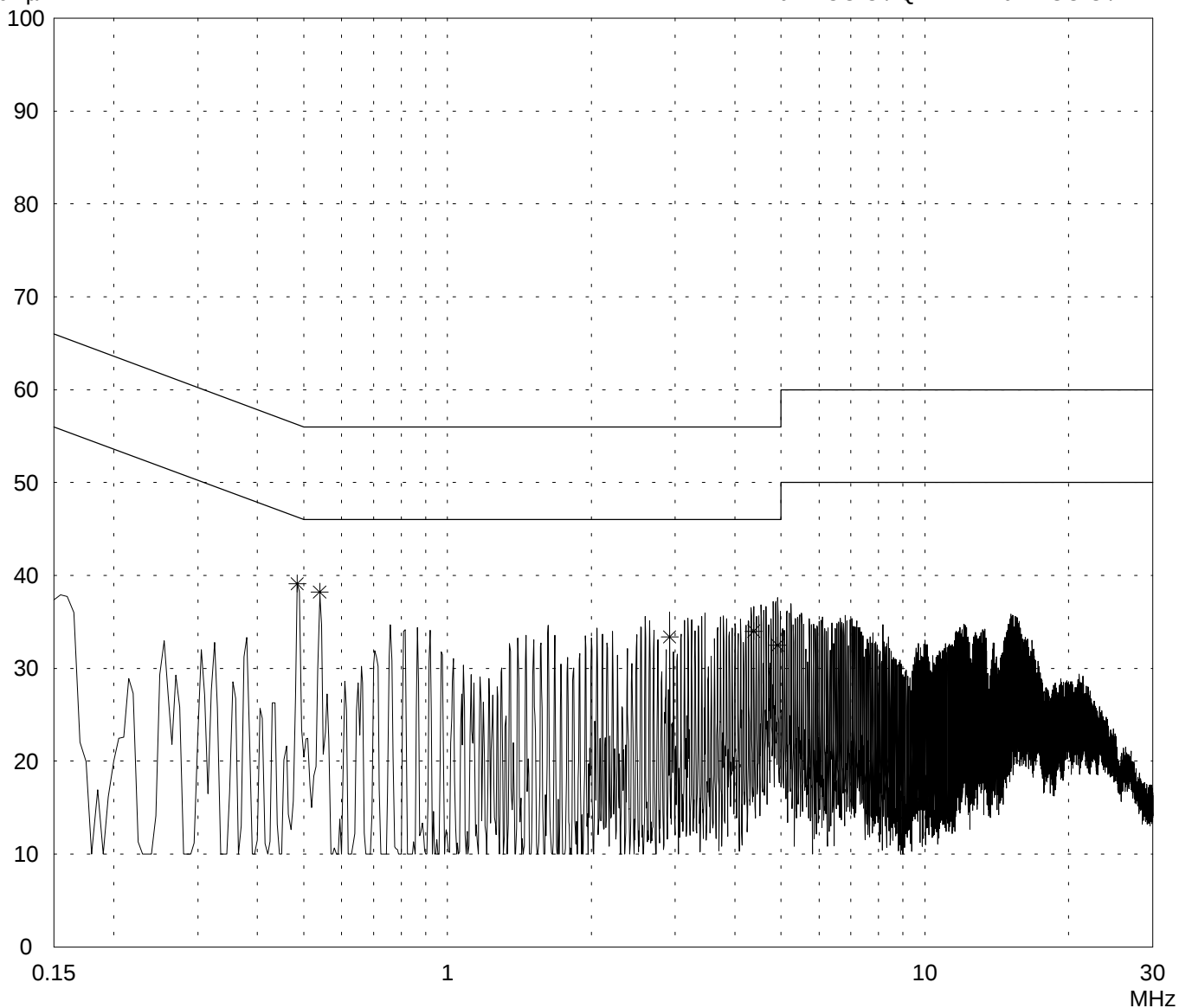
Detector:
Peak / Final Results: QP

Final results:
20 dB Margin

25 Subranges

dB μ V

Limit1: FCC C / QP Limit2: FCC C / AV



Result:
Limit kept

Project file:
56109-40074

Page of Pages

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

Model:
AC4424-100

Serial no.:
#1

Applicant:
AEROCOMM, Inc.

Test site:
Shielded room, cabin no. 2

Tested on:
**Linecord
Phase N**

Date of test:
03/06/2004

Operator:
J. Roidt

Test performed:
automatically

File name:

Mode:

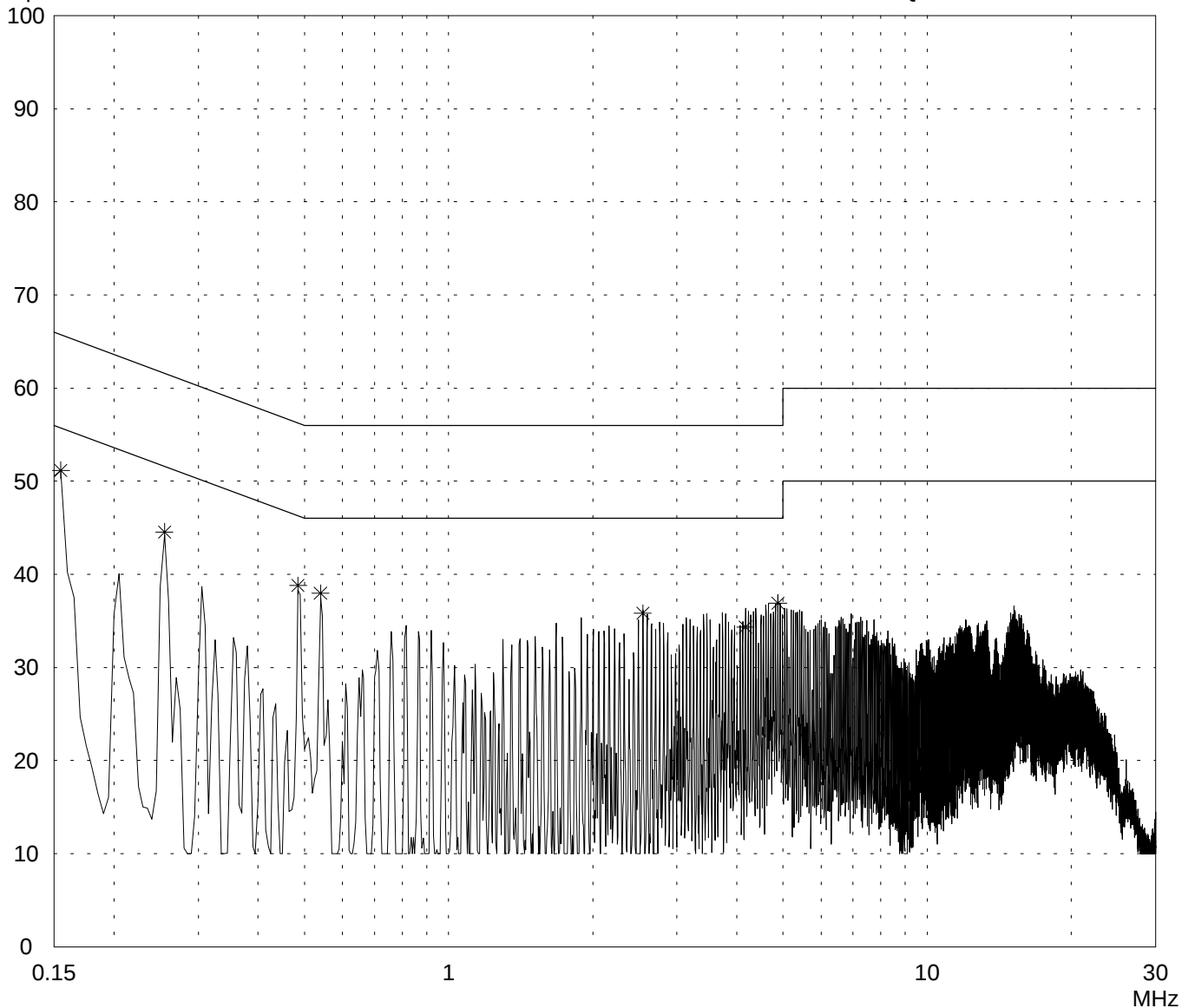
Detector:
Peak / Final Results: QP

Final results:
20 dB Margin

25 Subranges

dB μ V

Limit1: FCC C / QP Limit2: FCC C / AV



Result:
Limit kept

Project file:
56109-40074

Page of Pages