

Straubing, 20 August 2007

## **APPENDIX G**

### **to TEST-REPORT**

**No. 56109-061084-2 (Edition 2)**

**for**

**KQL-AC4X90-200 (RF Transceiver Module)**

- 1. AC4490-200M**
- 2. AC4490-200M-485**
- 3. AC4490LR-200M**  
Fully tested in 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 PC8910NRTN

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**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.

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## 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: | 05 February 2007                                           |

| Frequency (MHz)             | Antenna Polarisation | Meter Reading (dBµV) | Antenna Correction (dB) | Field Strength (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------------------|----------------------|----------------------|-------------------------|-------------------------|----------------|-------------|
| 902.208                     | Horizontal           | 84.95                | 24.19                   | 109.14                  | Fundamental    | ---         |
| 915.416                     | Horizontal           | 84.98                | 24.31                   | 109.29                  | Fundamental    | ---         |
| 927.532                     | Horizontal           | 84.97                | 24.41                   | 109.38                  | Fundamental    | ---         |
|                             |                      |                      |                         |                         |                |             |
| <b>Band Edge Compliance</b> |                      |                      |                         |                         |                |             |
| 902.0                       | Horizontal           | 4.10                 | 24.19                   | 28.29                   | 89.14          | N.R.B.      |
| 928.0                       | Horizontal           | 4.92                 | 24.41                   | 29.33                   | 89.38          | N.R.B.      |
|                             |                      |                      |                         |                         |                |             |
| <b>Low Channel</b>          |                      |                      |                         |                         |                |             |
| 734.22                      | Horizontal           | 32.72                | 22.01                   | 54.72                   | 89.14          | N.R.B.      |
| 790.48                      | Horizontal           | 40.22                | 22.79                   | 63.01                   | 89.14          | N.R.B.      |
| 846.74                      | Horizontal           | 38.48                | 23.52                   | 62.01                   | 89.14          | N.R.B.      |
| 1012.0                      | Horizontal           | 21.11                | 25.19                   | 46.30                   | 54.00          | 7.70        |
| 1180.0                      | Horizontal           | 13.24                | 26.65                   | 39.89                   | 54.00          | 14.11       |
| 1804.0                      | Horizontal           | 15.38                | 31.65                   | 47.03                   | 54.00          | 6.97        |
| 4510.6                      | Horizontal           | 19.22                | 33.99                   | 53.21                   | 54.00          | 0.79        |
| 5413.4                      | Vertical             | 5.51                 | 34.85                   | 40.36                   | 54.00          | 13.64       |
| 6315.3                      | Vertical             | 12.73                | 38.19                   | 50.92                   | 54.00          | 3.08        |
| 8124.8                      | Vertical             | 9.90                 | 39.70                   | 49.60                   | 54.00          | 4.40        |

| Frequency (MHz)       | Antenna Polarisation | Meter Reading (dBµV) | Antenna Correction (dB) | Field Strength (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------------|----------------------|----------------------|-------------------------|-------------------------|----------------|-------------|
| 9020.8                | Vertical             | 3.12                 | 43.72                   | 46.84                   | 54.00          | 7.16        |
| 9024.4                | Horizontal           | 0.67                 | 43.72                   | 44.39                   | 54.00          | 9.61        |
|                       |                      |                      |                         |                         |                |             |
| <b>Middle Channel</b> |                      |                      |                         |                         |                |             |
| 743.92                | Horizontal           | 33.62                | 22.15                   | 55.77                   | 89.29          | N.R.B.      |
| 802.12                | Horizontal           | 40.52                | 22.95                   | 63.47                   | 89.29          | N.R.B.      |
| 858.38                | Horizontal           | 39.16                | 23.67                   | 62.83                   | 89.29          | N.R.B.      |
| 1030.0                | Horizontal           | 16.48                | 25.45                   | 41.93                   | 54.00          | 12.07       |
| 1144.0                | Horizontal           | 11.83                | 26.55                   | 38.38                   | 54.00          | 15.62       |
| 1828.0                | Horizontal           | 19.58                | 31.31                   | 50.89                   | 54.00          | 3.11        |
| 4577.20               | Horizontal           | 18.17                | 34.05                   | 52.22                   | 54.00          | 1.78        |
| 6409.30               | Horizontal           | 12.28                | 38.27                   | 50.55                   | 54.00          | 3.45        |
| 7325.80               | Vertical             | 8.43                 | 39.07                   | 47.50                   | 54.00          | 6.50        |
| 8233.60               | Horizontal           | 9.08                 | 43.17                   | 52.25                   | 54.00          | 1.75        |
|                       |                      |                      |                         |                         |                |             |
| <b>High Channel</b>   |                      |                      |                         |                         |                |             |
| 755.56                | Horizontal           | 39.93                | 22.31                   | 62.25                   | 89.38          | N.R.B.      |
| 811.82                | Horizontal           | 45.47                | 23.08                   | 68.55                   | 89.38          | N.R.B.      |
| 870.02                | Horizontal           | 40.83                | 23.81                   | 64.64                   | 89.38          | N.R.B.      |
| 1156.0                | Horizontal           | 19.23                | 26.59                   | 45.82                   | 54.00          | 8.18        |
| 1858.0                | Vertical             | 17.53                | 30.89                   | 48.42                   | 54.00          | 5.58        |
| 4636.4                | Vertical             | 13.47                | 34.11                   | 47.58                   | 54.00          | 6.42        |
| 6493.9                | Vertical             | 10.43                | 38.34                   | 48.77                   | 54.00          | 5.23        |
| 7419.8                | Vertical             | 7.60                 | 39.17                   | 46.77                   | 54.00          | 7.23        |
| 8342.8                | Horizontal           | 3.44                 | 43.25                   | 46.69                   | 54.00          | 7.31        |
|                       |                      |                      |                         |                         |                |             |

N.R.B. = not in a restricted band

**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 <sup>2</sup> )                   | Averaging Time (minute) |
|-----------------------|-------------------------------|-------------------------------|-------------------------------------------------------|-------------------------|
| 30 - 1500             | ---                           | ---                           | $f/1500$<br>=<br>0.61 mW/cm <sup>2</sup><br>@ 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: **20.64 dBm = 116 mW**

Prediction distance: **20 cm**

Antenna gain: (**PC8910NRTN**) **11.0 dBd = 20.65 (numerical gain)**

Power density at 20 cm: **0.47 mW/cm<sup>2</sup>**

|                     |             |
|---------------------|-------------|
| <b>Test Result:</b> | <b>Pass</b> |
|---------------------|-------------|

## 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) |
|-----------------|----------|----------------------|-------------------------|--------------------------|-------------------------|----------------|-------------|
| 1330.000        | Peak     | Vertical             | 16.26                   | 29.02                    | 45.28                   | 54.00          | <b>8.7</b>  |
| 1468.000        | Peak     | Vertical             | 18.09                   | 29.49                    | 47.58                   | 54.00          | <b>6.4</b>  |
| 1738.000        | Peak     | Vertical             | 17.89                   | 30.95                    | 48.84                   | 54.00          | <b>5.2</b>  |
|                 |          |                      |                         |                          |                         |                |             |
|                 |          |                      |                         |                          |                         |                |             |
|                 |          |                      |                         |                          |                         |                |             |
|                 |          |                      |                         |                          |                         |                |             |

\*\*\* = 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 Subpart C (FAR)

Model:  
AC4490LR-200M

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: 02/05/2007  
Operator: J. Roidt

Test performed: automatically  
File name: default.emi

Comment:

- TX at Low channel
- Antenna: PC 8910N
- Notch Filter on Fundamental frequency

Detector:  
Peak

List of values:

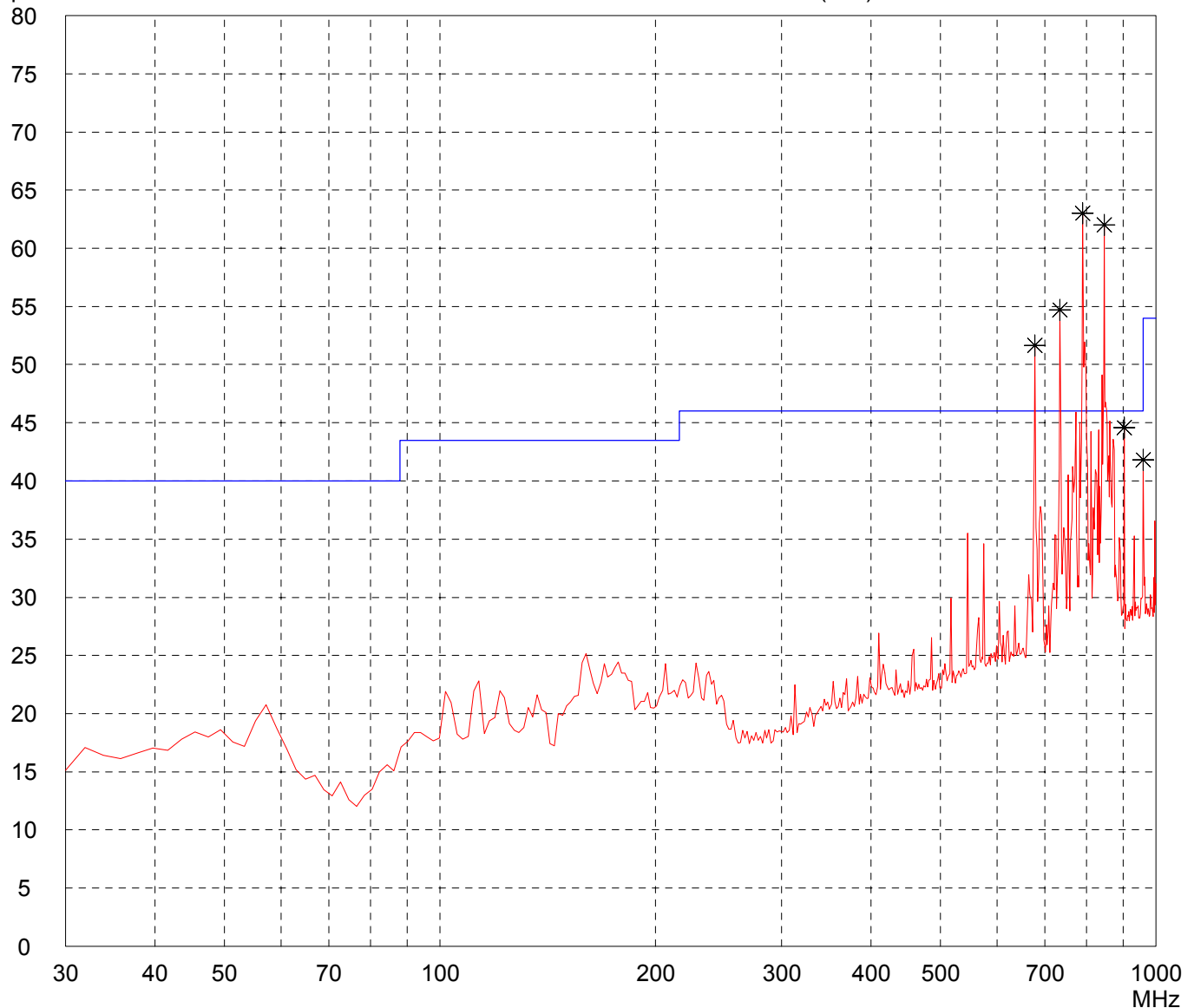
10 dB Margin

50 Subranges

dBµV/m

Limit1: FCC 15.209 (3 m)

Transducer: VULB 9163



Result:

Project file:  
56109-61084

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

Model:  
AC4490LR-200M

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: 02/05/2007  
Operator: J. Roidt

Test performed: automatically  
File name: default.emi

Comment:

- TX at Low channel
- Antenna: PC 8910N
- Notch Filter on Fundamental frequency

Detector:  
Peak

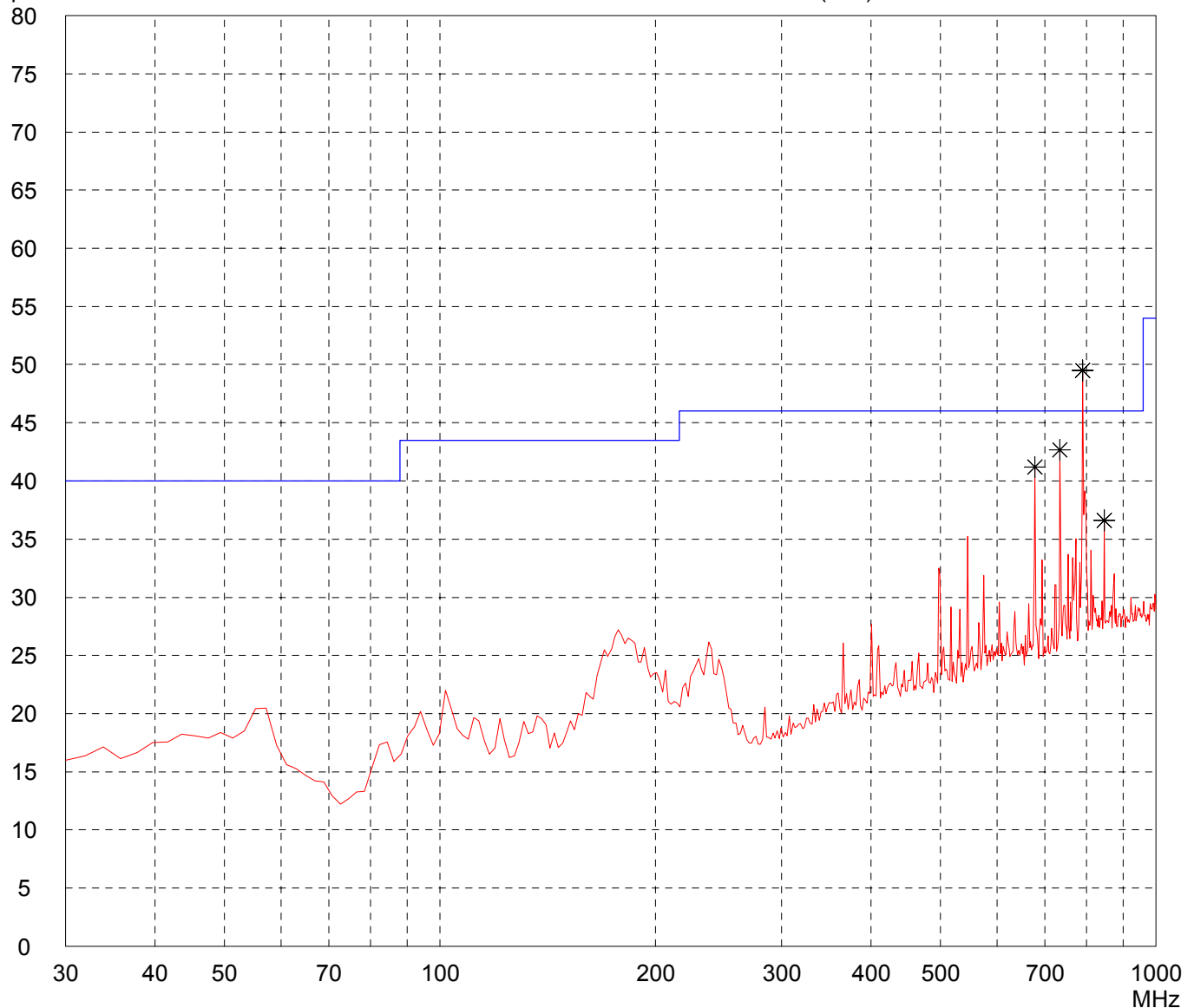
List of values:

10 dB Margin

50 Subranges

dBµV/m

Limit1: FCC 15.209 (3 m) Transducer: VULB 9163



Result:

Project file:  
56109-61084

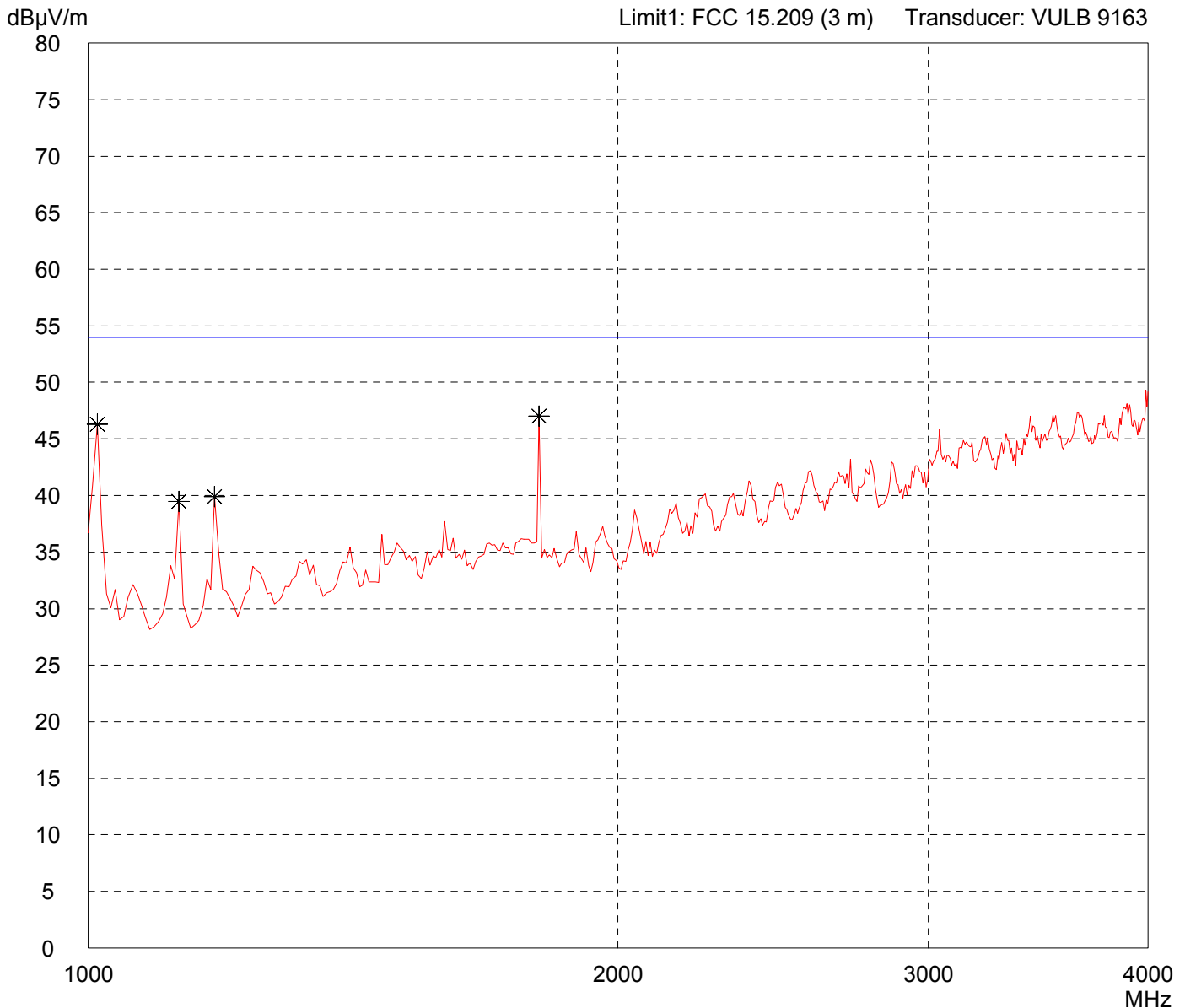
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# Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

|                                                                         |                                                                                                           |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                          | Comment:<br>- TX at low channel<br><br>- Antenna: PC 8910N<br><br>- Notch Filter on Fundamental frequency |
| Serial no.:<br><b>Test Sample #1</b>                                    |                                                                                                           |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                     |                                                                                                           |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                   |                                                                                                           |
| Tested on:<br><b>Test distance 3 metres<br/>Horizontal Polarization</b> |                                                                                                           |
| Date of test:<br><b>02/05/2007</b>                                      | Operator:<br><b>J. Roidt</b>                                                                              |
| Test performed:<br><b>automatically</b>                                 | File name:<br><b>default.emi</b>                                                                          |

|                          |                                            |
|--------------------------|--------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>Selected by hand</b> |
|--------------------------|--------------------------------------------|



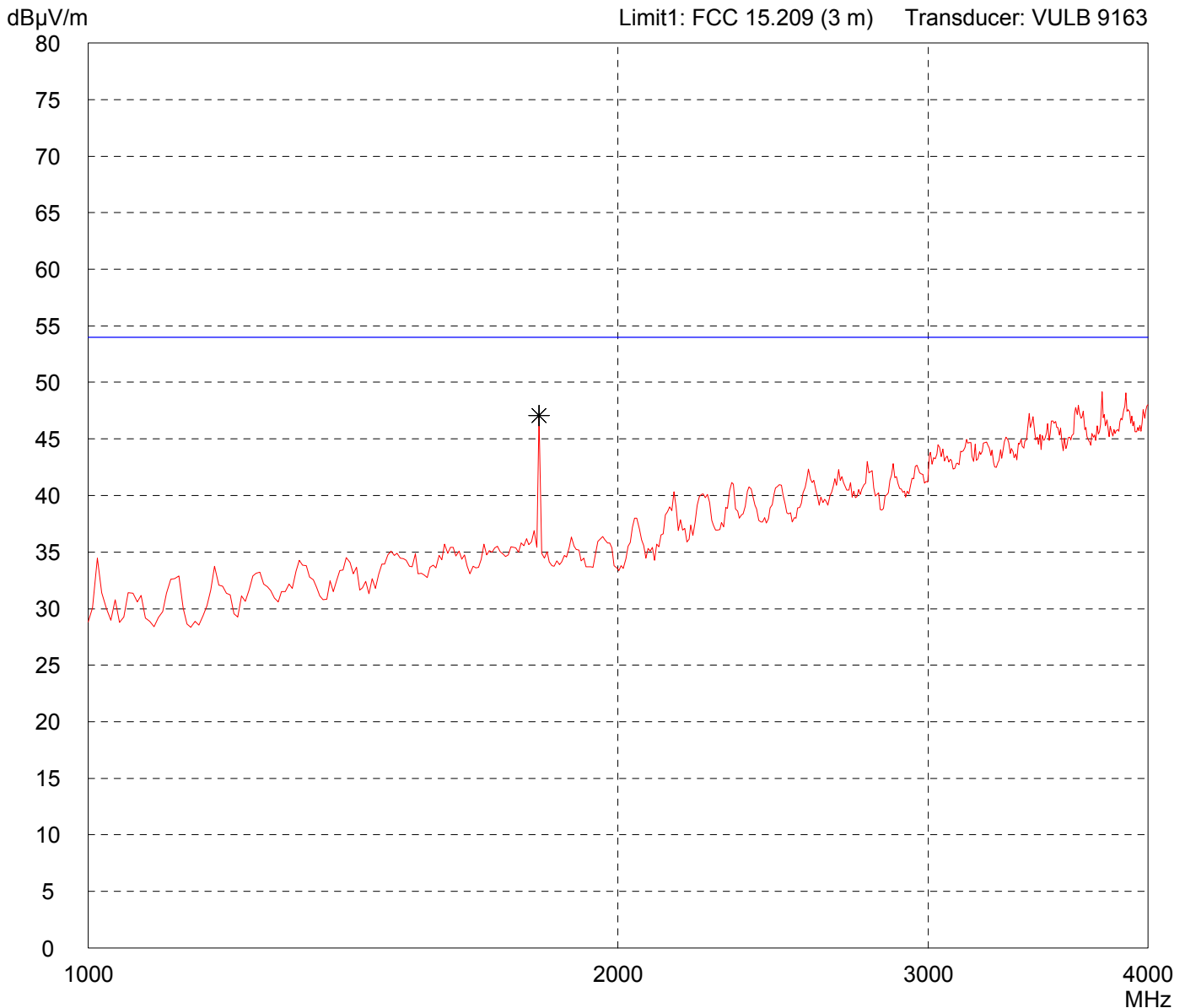
|         |                                     |
|---------|-------------------------------------|
| Result: | Project file:<br><b>56109-61084</b> |
|         | Page    of    Pages                 |

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

|                                                                       |                                                                                                           |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                        | Comment:<br>- TX at low channel<br><br>- Antenna: PC 8910N<br><br>- Notch Filter on Fundamental frequency |
| Serial no.:<br><b>Test Sample #1</b>                                  |                                                                                                           |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                   |                                                                                                           |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                 |                                                                                                           |
| Tested on:<br><b>Test distance 3 metres<br/>Vertical Polarization</b> |                                                                                                           |
| Date of test:<br><b>02/05/2007</b>                                    | Operator:<br><b>J. Roidt</b>                                                                              |
| Test performed:<br><b>automatically</b>                               | File name:<br><b>default.emi</b>                                                                          |

|                          |                                            |
|--------------------------|--------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>Selected by hand</b> |
|--------------------------|--------------------------------------------|



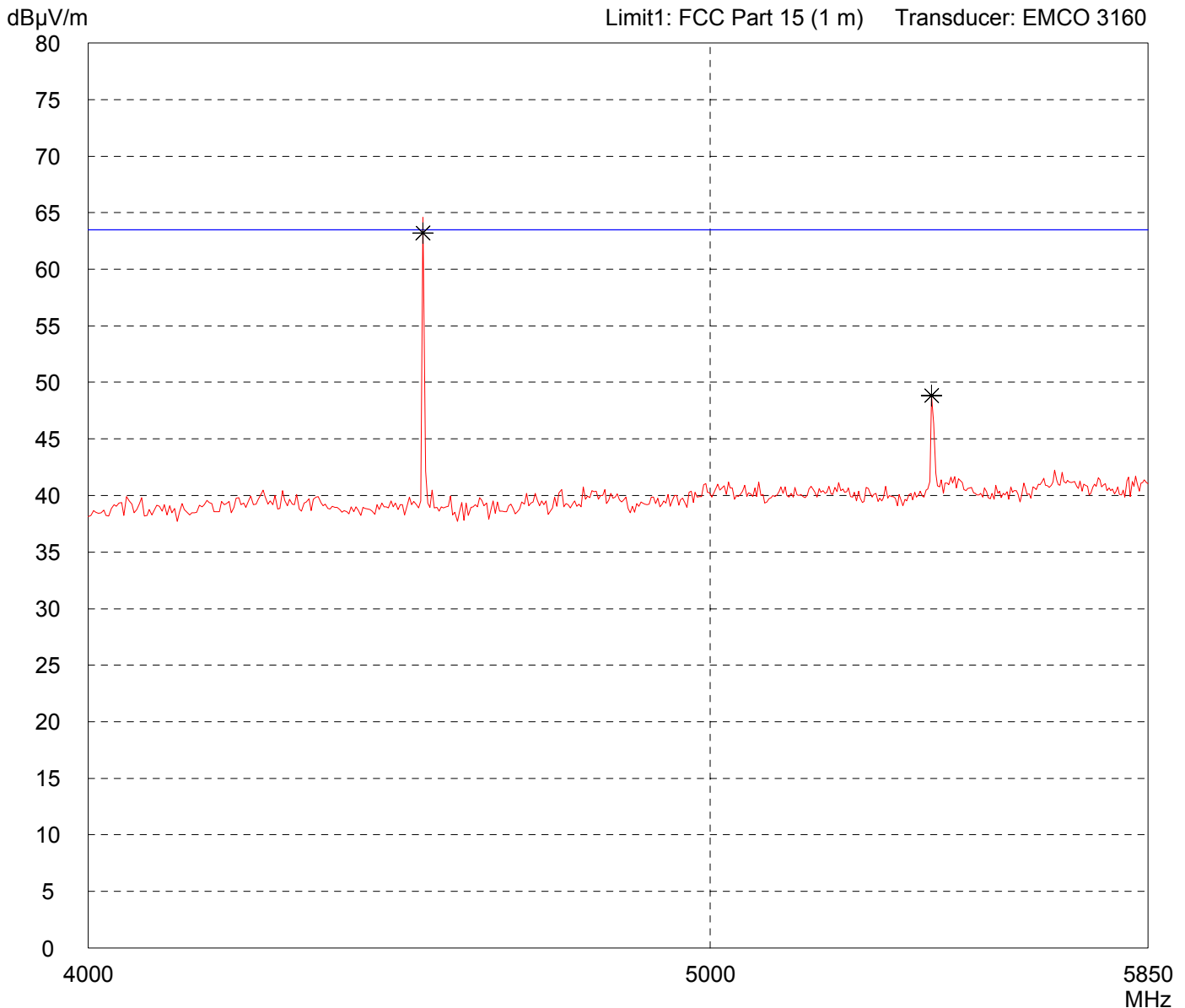
|         |                                     |
|---------|-------------------------------------|
| Result: | Project file:<br><b>56109-61084</b> |
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# Radiated Emission Test 4 GHz - 5.85 GHz acc. to FCC Part 15 (EMCO 3160)

|                                                                              |                                                              |
|------------------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                               | Comment:<br><br>- TX at 902.20 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                         |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                          |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                        |                                                              |
| Tested on:<br><b>Test distance 1 meter</b><br><b>Horizontal Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                           | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                                      | File name:<br><b>default.emi</b>                             |

|                                        |                                            |
|----------------------------------------|--------------------------------------------|
| Detector:<br><b>Peak ( AV manual )</b> | List of values:<br><b>Selected by hand</b> |
|----------------------------------------|--------------------------------------------|

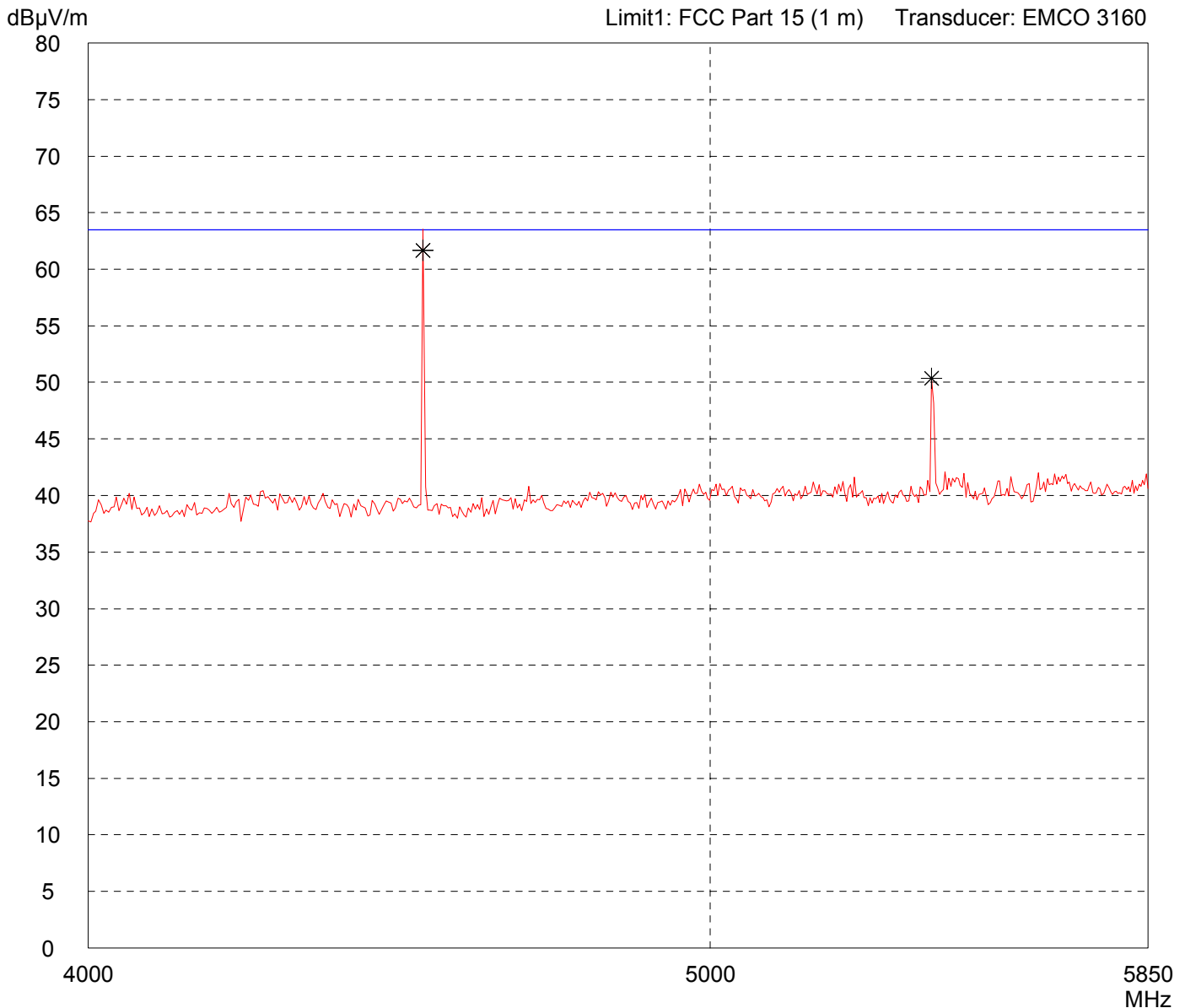


|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

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

|                                                                            |                                                              |
|----------------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                             | Comment:<br><br>- TX at 902.20 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                       |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                        |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                      |                                                              |
| Tested on:<br><b>Test distance 1 meter</b><br><b>Vertical Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                         | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                                    | File name:<br><b>default.emi</b>                             |

|                                        |                                            |
|----------------------------------------|--------------------------------------------|
| Detector:<br><b>Peak ( AV manual )</b> | List of values:<br><b>Selected by hand</b> |
|----------------------------------------|--------------------------------------------|



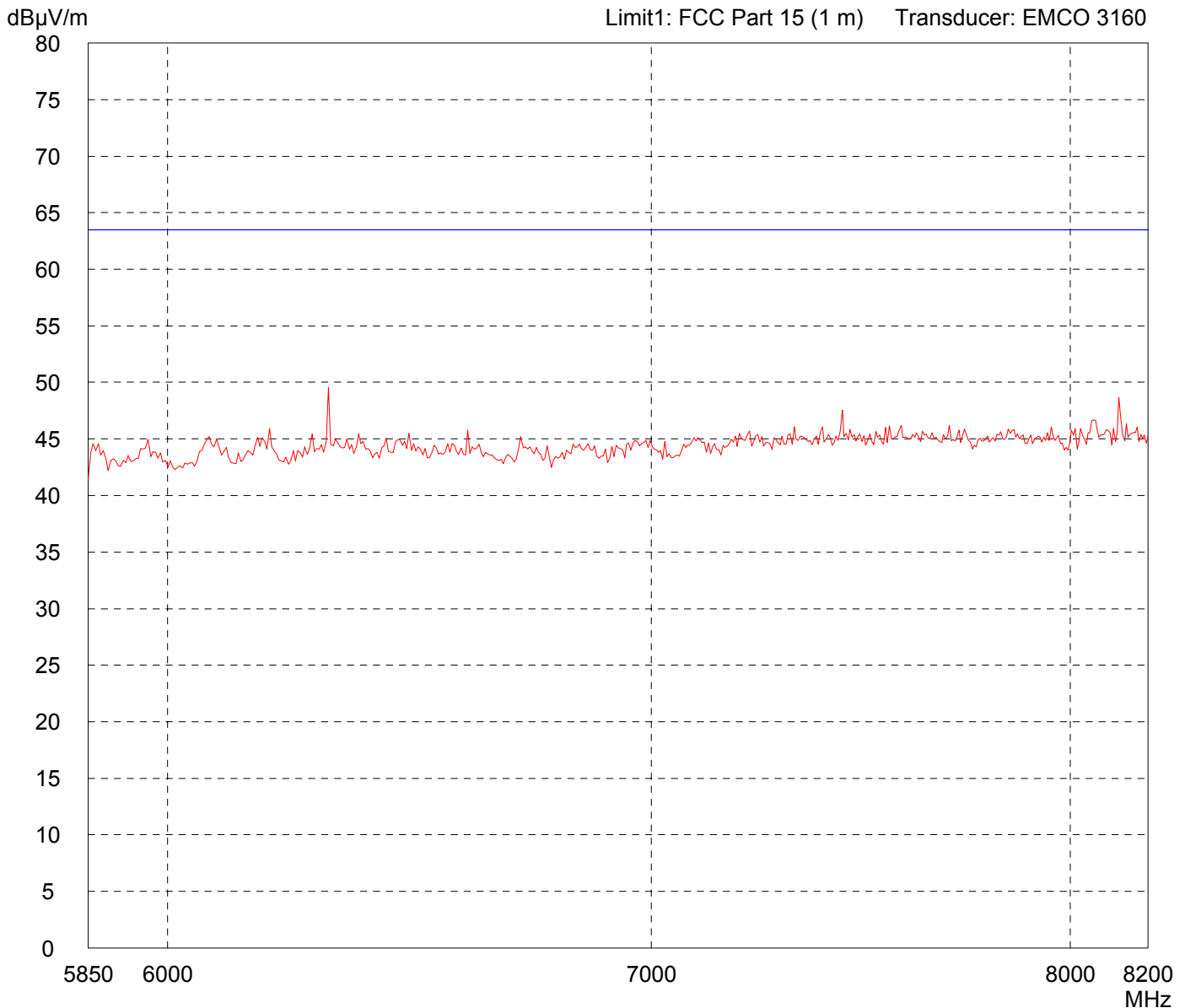
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

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

|                                                                        |                                                                                                           |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                         | Comment:<br>- TX at low channel<br><br>- Antenna: PC 8910N<br><br>- Notch Filter on Fundamental frequency |
| Serial no.:<br><b>Test Sample #1</b>                                   |                                                                                                           |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                    |                                                                                                           |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                  |                                                                                                           |
| Tested on:<br><b>Test distance 1 meter<br/>Horizontal Polarization</b> |                                                                                                           |
| Date of test:<br><b>02/05/2007</b>                                     | Operator:<br><b>J. Roidt</b>                                                                              |
| Test performed:<br><b>automatically</b>                                | File name:<br><b>default.emi</b>                                                                          |

|                          |                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><div style="display: flex; justify-content: space-between;"> <span><b>10 dB Margin</b></span> <span><b>50 Subranges</b></span> </div> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|



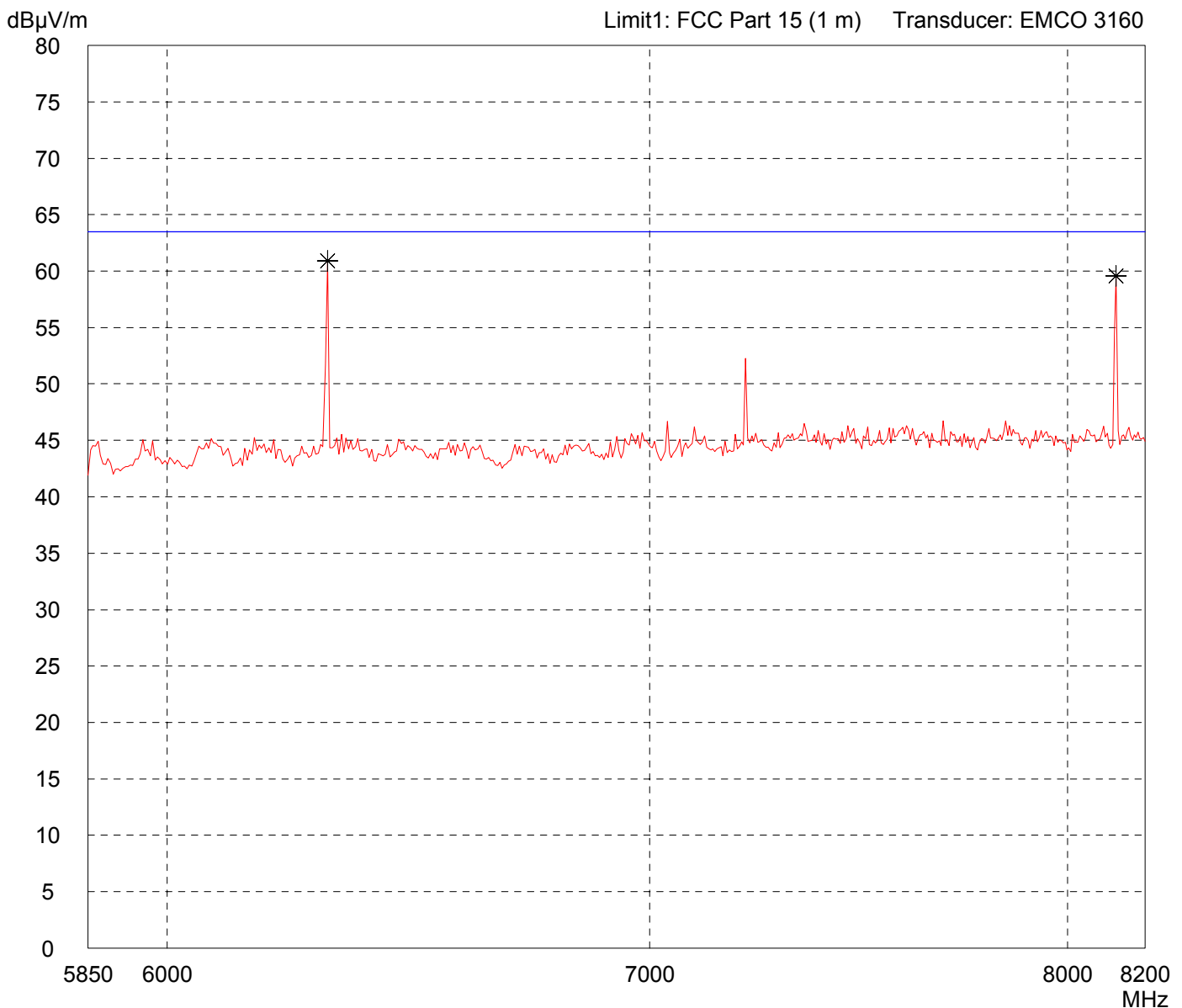
|         |                                     |
|---------|-------------------------------------|
| Result: | Project file:<br><b>56109-61084</b> |
|         | Page    of    Pages                 |

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

|                                                                      |                                                                                                           |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                       | Comment:<br>- TX at low channel<br><br>- Antenna: PC 8910N<br><br>- Notch Filter on Fundamental frequency |
| Serial no.:<br><b>Test Sample #1</b>                                 |                                                                                                           |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                  |                                                                                                           |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                |                                                                                                           |
| Tested on:<br><b>Test distance 1 meter<br/>Vertical Polarization</b> |                                                                                                           |
| Date of test:<br><b>02/05/2007</b>                                   | Operator:<br><b>J. Roidt</b>                                                                              |
| Test performed:<br><b>automatically</b>                              | File name:<br><b>default.emi</b>                                                                          |

|                          |                                        |
|--------------------------|----------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>10 dB Margin</b> |
|                          | <b>50 Subranges</b>                    |



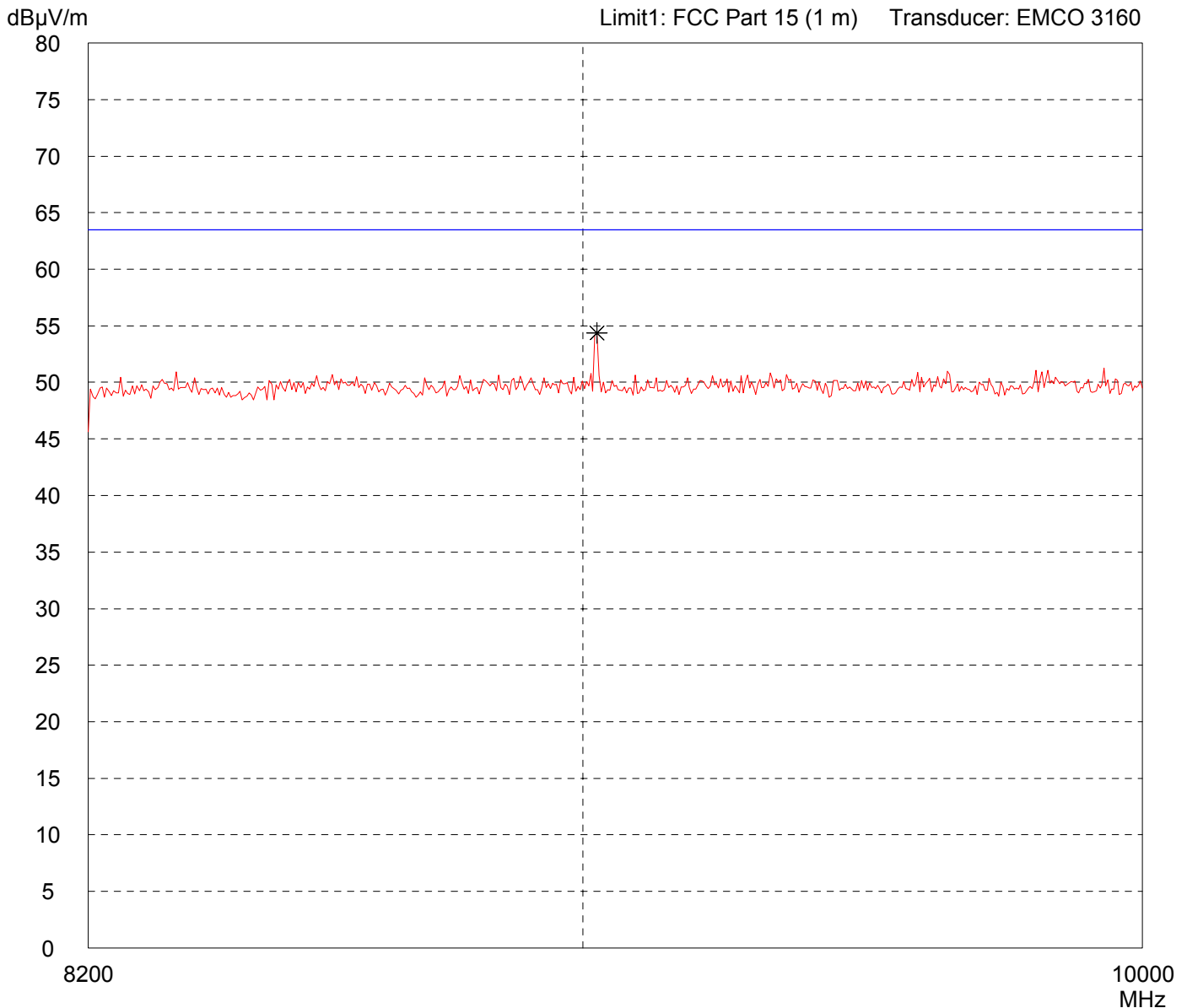
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

# Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 (EMCO 3160)

|                                                                              |                                                              |
|------------------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                               | Comment:<br><br>- TX at 902.20 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                         |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                          |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                        |                                                              |
| Tested on:<br><b>Test distance 1 meter</b><br><b>Horizontal Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                           | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                                      | File name:<br><b>default.emi</b>                             |

|                          |                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><div style="display: flex; justify-content: space-between;"> <span><b>10 dB Margin</b></span> <span><b>50 Subranges</b></span> </div> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

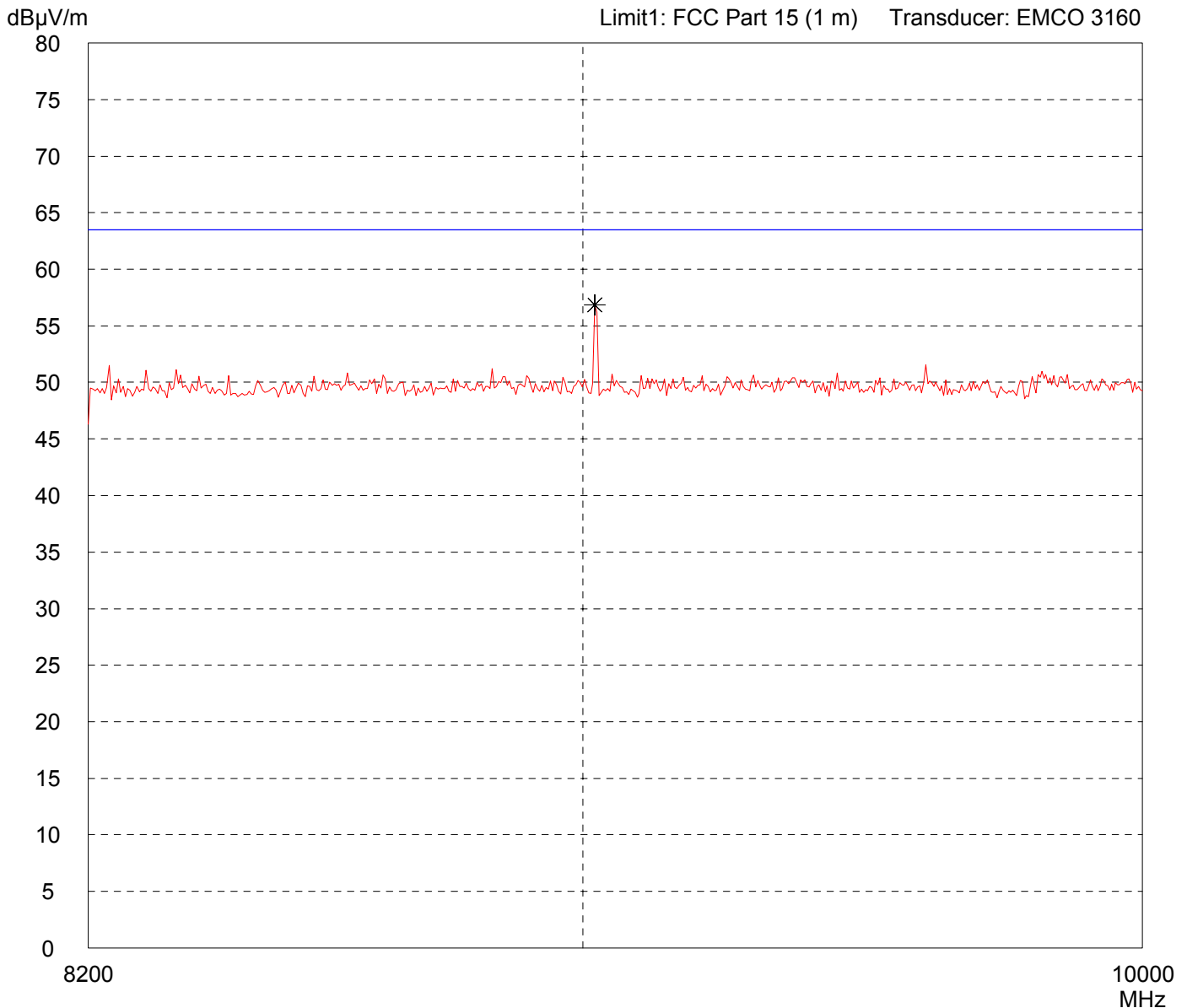


|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

# Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 (EMCO 3160)

|                                                                            |                                                              |
|----------------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                             | Comment:<br><br>- TX at 902.20 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                       |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                        |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                      |                                                              |
| Tested on:<br><b>Test distance 1 meter</b><br><b>Vertical Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                         | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                                    | File name:<br><b>default.emi</b>                             |

|                          |                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><div style="display: flex; justify-content: space-between;"> <span><b>10 dB Margin</b></span> <span><b>50 Subranges</b></span> </div> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|



|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

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

Model:  
AC4490LR-200M

Serial no.:  
Test Sample #1

Applicant:  
AEROCOMM, Inc.

Test site:  
Fully anechoic room, cabin no. 2

Tested on:  
Test distance 3 metres  
Horizontal Polarization

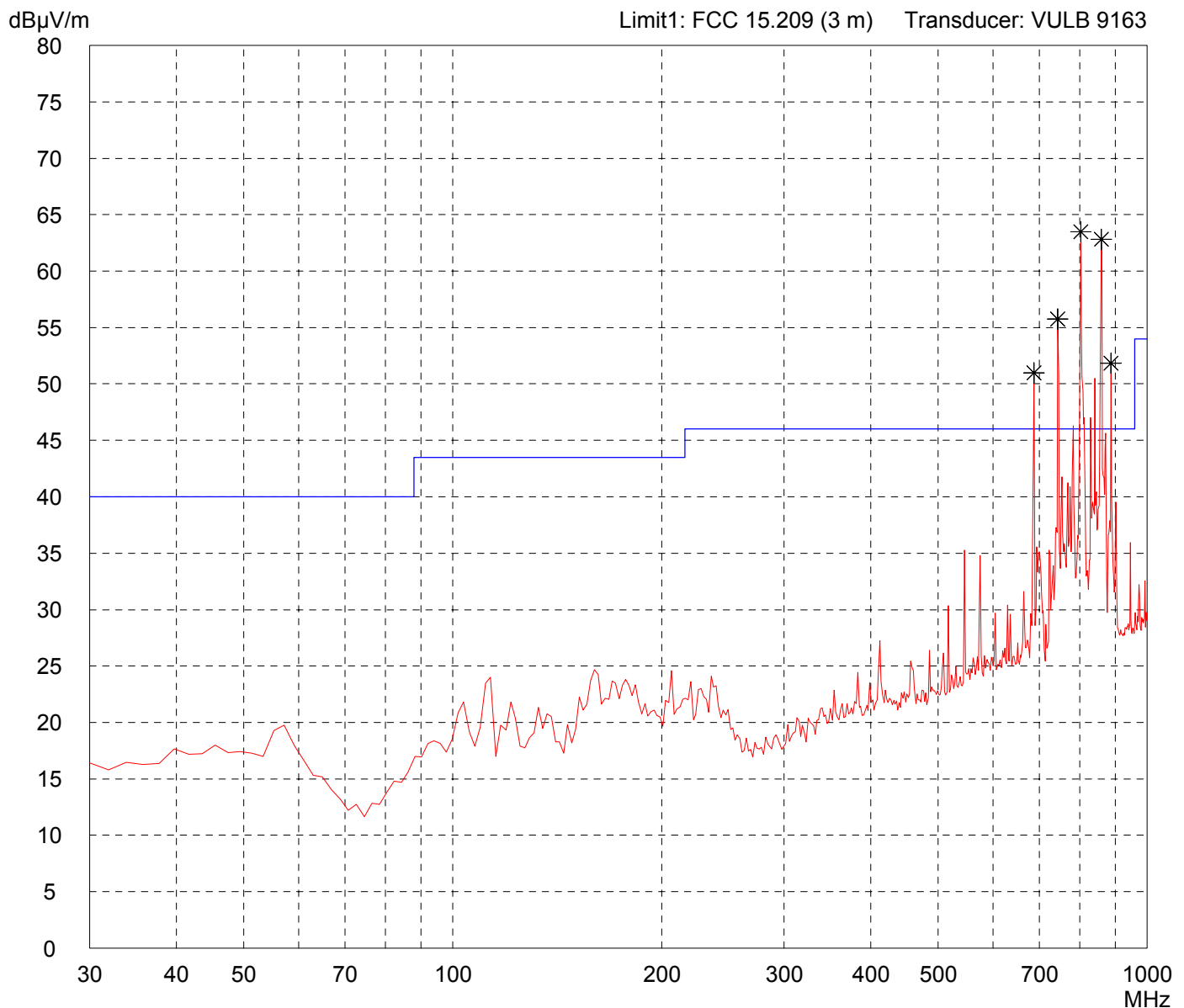
Date of test: 02/05/2007  
Operator: J. Roidt

Test performed: automatically  
File name: default.emi

Comment:  
- TX at middle channel  
- Antenna: PC 8910N  
- Notch Filter on Fundamental frequency

Detector:  
Peak

List of values:  
10 dB Margin 50 Subranges



Result:

Project file:  
56109-61084

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

Model:  
AC4490LR-200M

Serial no.:  
Test Sample #1

Applicant:  
AEROCOMM, Inc.

Test site:  
Fully anechoic room, cabin no. 2

Tested on:  
Test distance 3 metres  
Vertical Polarization

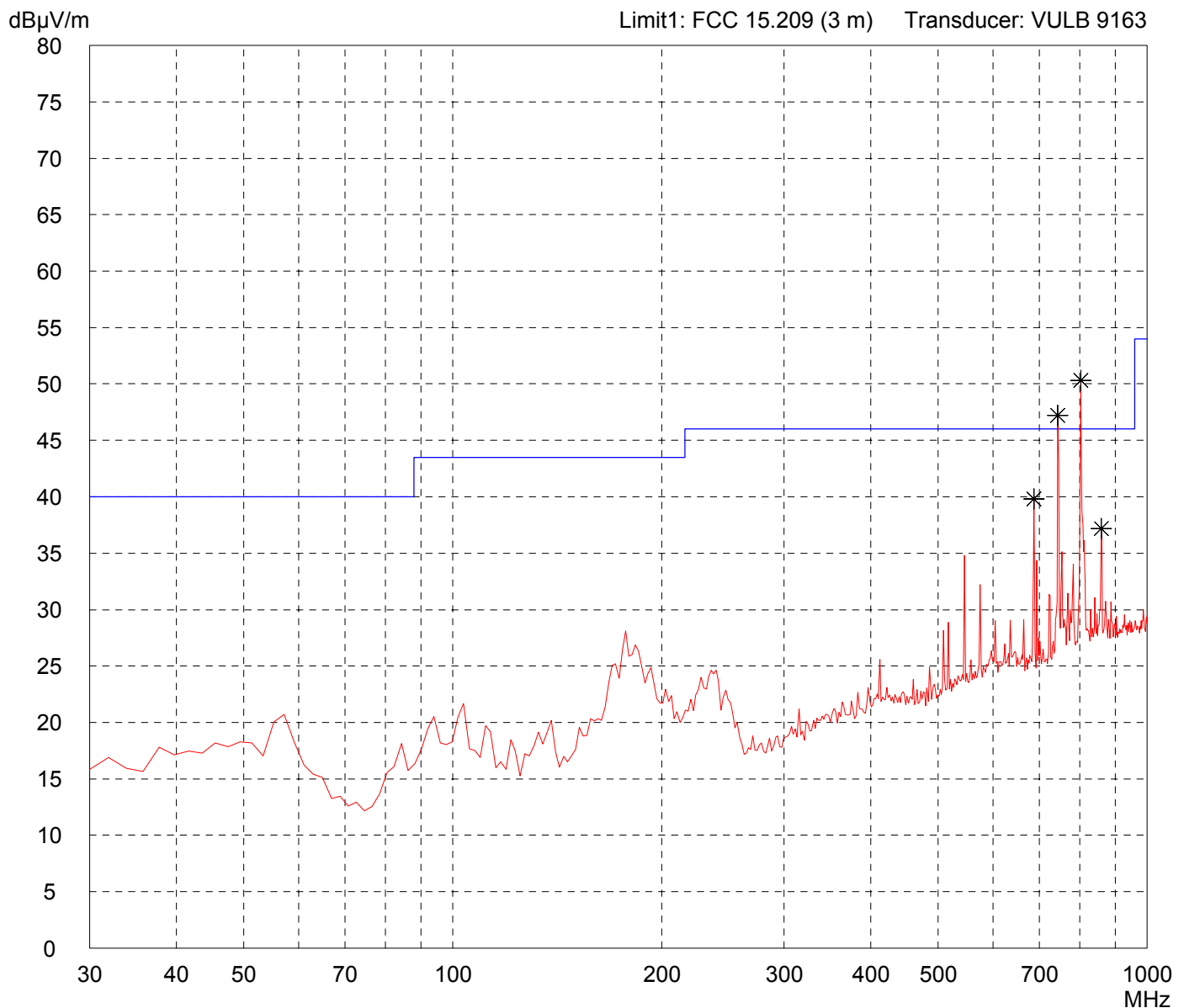
Date of test: 02/05/2007  
Operator: J. Roidt

Test performed: automatically  
File name: default.emi

Comment:  
- TX at middle channel  
- Antenna: PC 8910N  
- Notch Filter on Fundamental frequency

Detector:  
Peak

List of values:  
10 dB Margin 50 Subranges



Result:

Project file:  
56109-61084

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

Model:  
AC4490LR-200M

Serial no.:  
Test Sample #1

Applicant:  
AEROCOMM, Inc.

Test site:  
Fully anechoic room, cabin no. 2

Tested on:  
Test distance 3 metres  
Horizontal Polarization

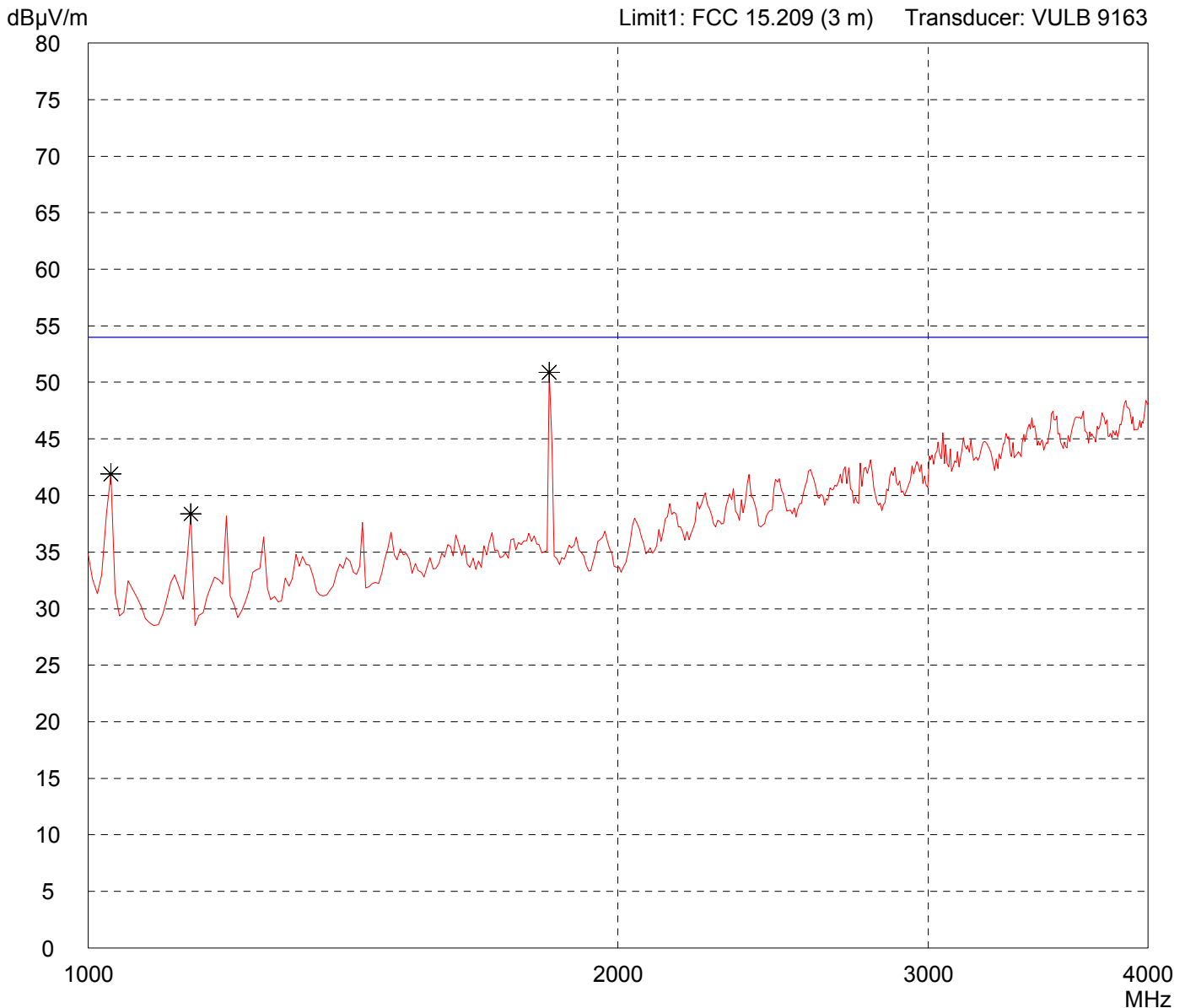
Date of test: 02/05/2007  
Operator: J. Roidt

Test performed: automatically  
File name: default.emi

Comment:  
- TX at middle channel  
  
- Antenna: PC 8910N  
  
- Notch Filter on Fundamental frequency

Detector:  
Peak

List of values:  
Selected by hand



Result:

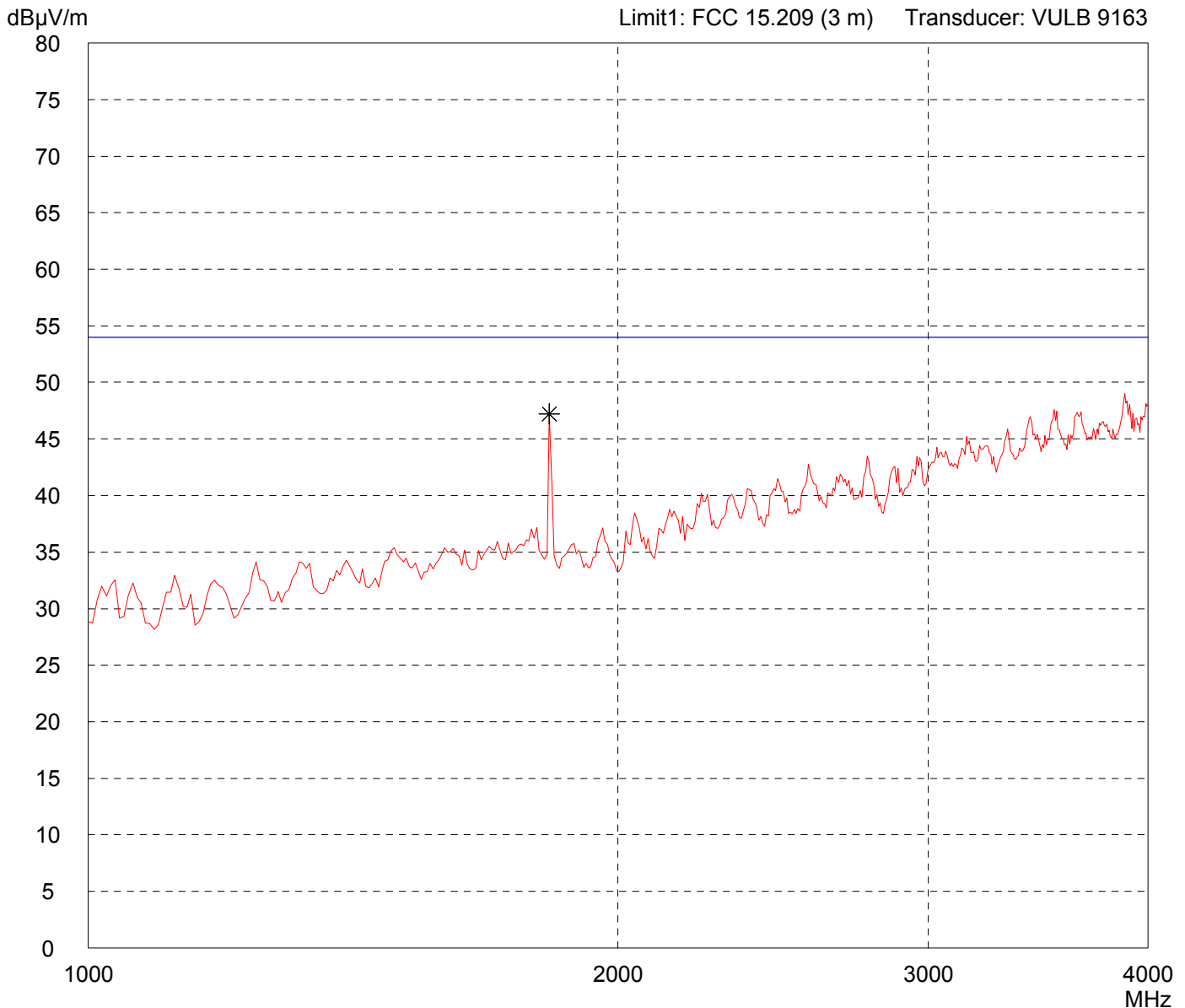
Project file:  
56109-61084

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

|                                                                       |                                                                                                              |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                        | Comment:<br>- TX at middle channel<br><br>- Antenna: PC 8910N<br><br>- Notch Filter on Fundamental frequency |
| Serial no.:<br><b>Test Sample #1</b>                                  |                                                                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                   |                                                                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                 |                                                                                                              |
| Tested on:<br><b>Test distance 3 metres<br/>Vertical Polarization</b> |                                                                                                              |
| Date of test:<br><b>02/05/2007</b>                                    | Operator:<br><b>J. Roidt</b>                                                                                 |
| Test performed:<br><b>automatically</b>                               | File name:<br><b>default.emi</b>                                                                             |

|                          |                                            |
|--------------------------|--------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>Selected by hand</b> |
|--------------------------|--------------------------------------------|



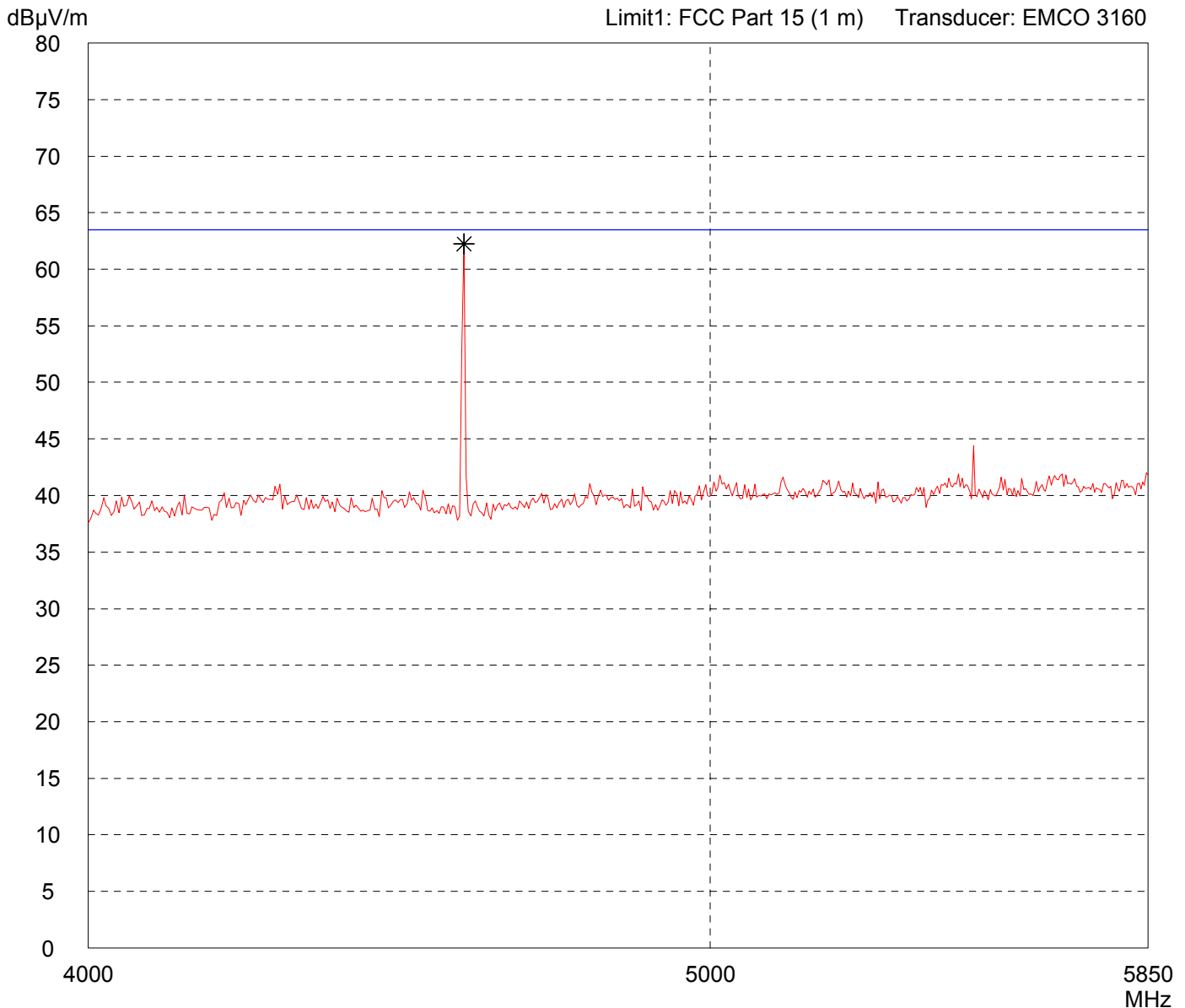
|         |                                     |
|---------|-------------------------------------|
| Result: | Project file:<br><b>56109-61084</b> |
|         | Page    of    Pages                 |

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

|                                                                        |                                                              |
|------------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                         | Comment:<br><br>- TX at 915.38 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                   |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                    |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                  |                                                              |
| Tested on:<br><b>Test distance 1 meter<br/>Horizontal Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                     | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                                | File name:<br><b>default.emi</b>                             |

|                          |                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><div style="display: flex; justify-content: space-between;"> <span><b>10 dB Margin</b></span> <span><b>50 Subranges</b></span> </div> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

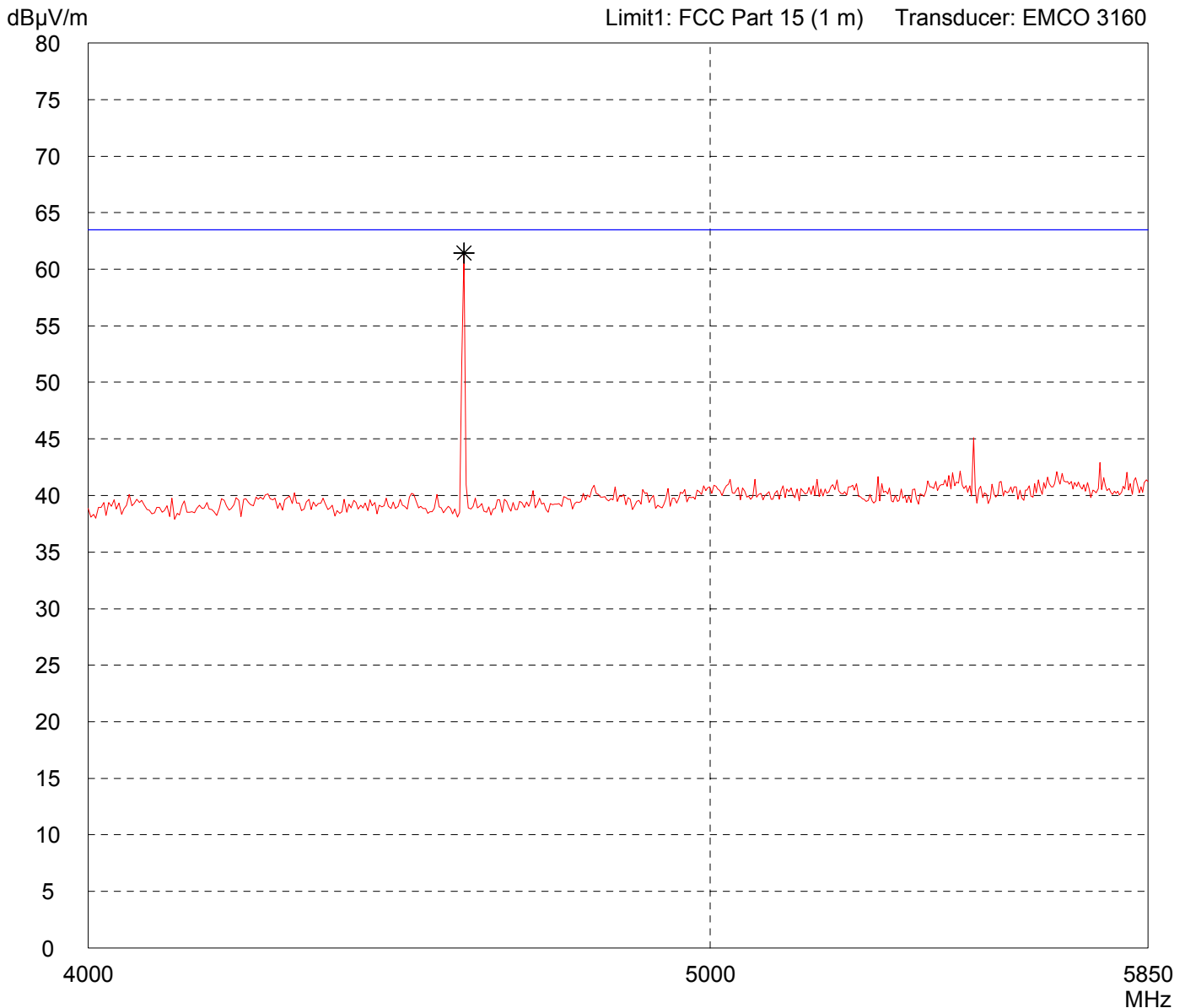


|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

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

|                                                                      |                                                              |
|----------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                       | Comment:<br><br>- TX at 915.38 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                 |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                  |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                |                                                              |
| Tested on:<br><b>Test distance 1 meter<br/>Vertical Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                   | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                              | File name:<br><b>default.emi</b>                             |

|                          |                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><div style="display: flex; justify-content: space-between;"> <span><b>10 dB Margin</b></span> <span><b>50 Subranges</b></span> </div> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|



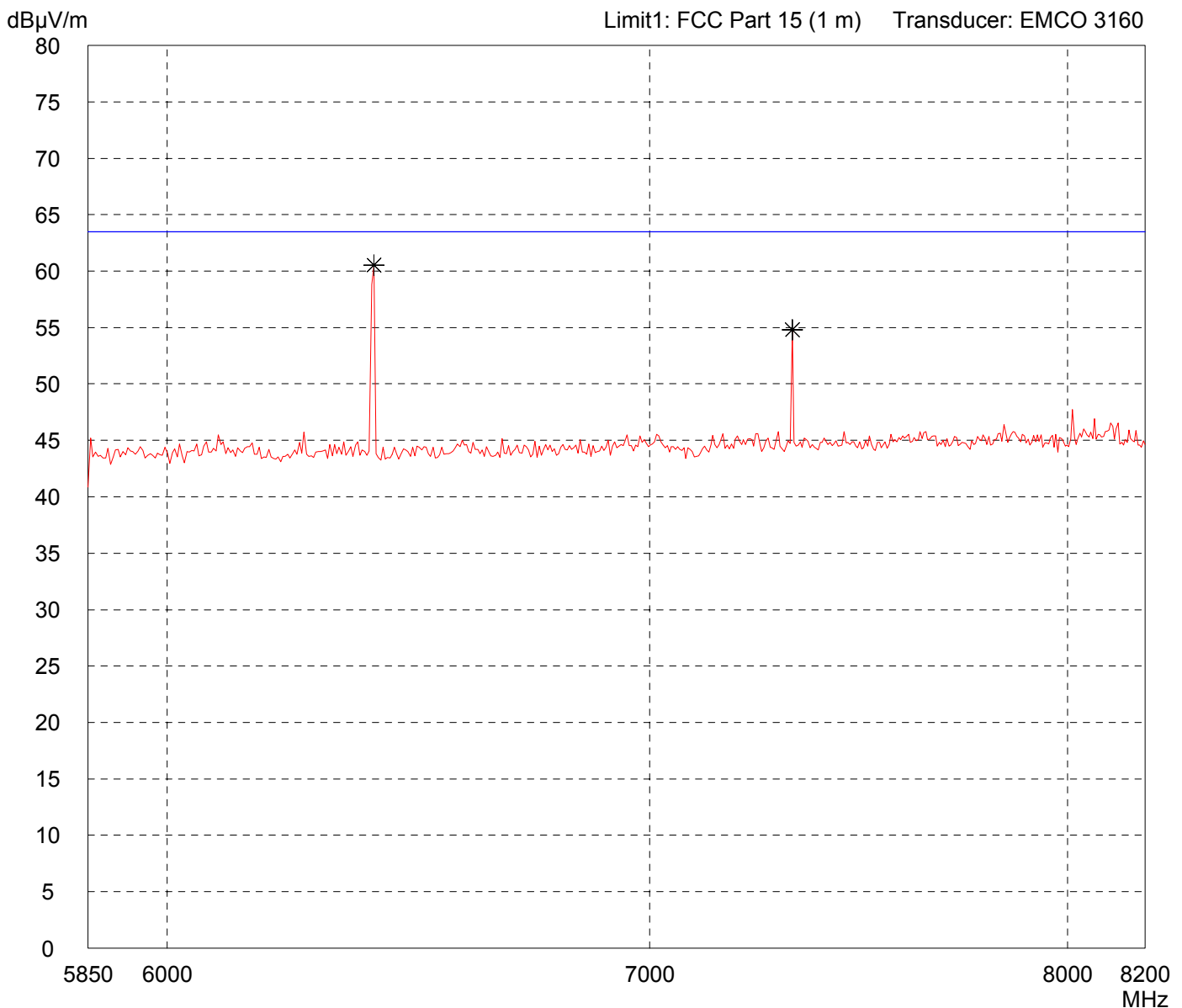
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

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

|                                                                              |                                                              |
|------------------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                               | Comment:<br><br>- TX at 915.38 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                         |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                          |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                        |                                                              |
| Tested on:<br><b>Test distance 1 meter</b><br><b>Horizontal Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                           | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                                      | File name:<br><b>default.emi</b>                             |

|                          |                                        |
|--------------------------|----------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>10 dB Margin</b> |
|                          | <b>50 Subranges</b>                    |



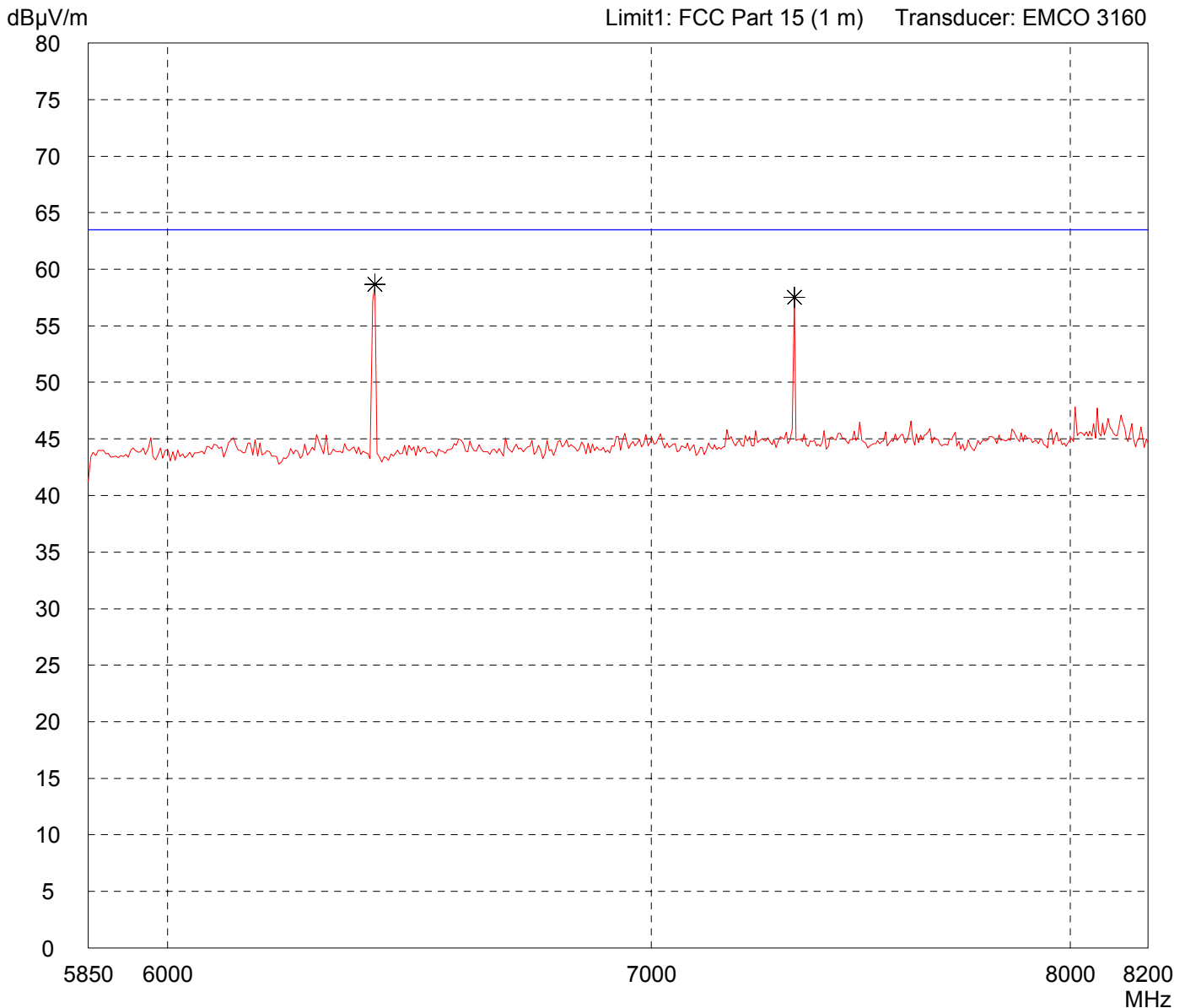
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
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# Radiated Emission Test 5.85 GHz - 8.2 GHz acc. to FCC Part 15 (EMCO 3160)

|                                                                            |                                                              |
|----------------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                             | Comment:<br><br>- TX at 915.38 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                       |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                        |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                      |                                                              |
| Tested on:<br><b>Test distance 1 meter</b><br><b>Vertical Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                         | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                                    | File name:<br><b>default.emi</b>                             |

|                          |                                        |
|--------------------------|----------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>10 dB Margin</b> |
|                          | <b>50 Subranges</b>                    |



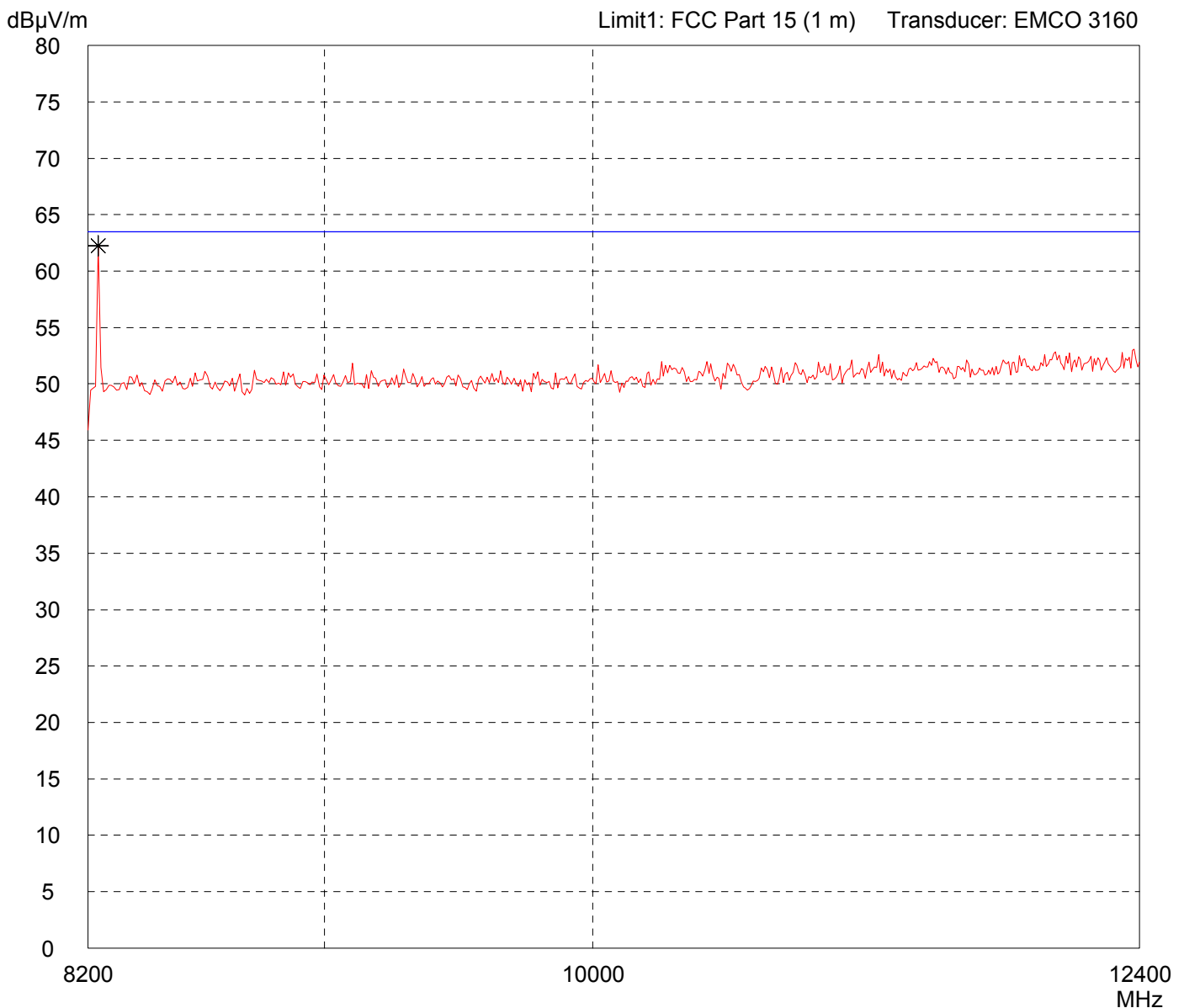
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
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# Radiated Emission Test 8.2 GHz - 12.4 GHz acc. to FCC Part 15 (EMCO 3160)

|                                                                        |                                                                                                              |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                         | Comment:<br>- TX at middle channel<br><br>- Antenna: PC 8910N<br><br>- Notch Filter on Fundamental frequency |
| Serial no.:<br><b>Test Sample #1</b>                                   |                                                                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                    |                                                                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                  |                                                                                                              |
| Tested on:<br><b>Test distance 1 meter<br/>Horizontal Polarization</b> |                                                                                                              |
| Date of test:<br><b>02/05/2007</b>                                     | Operator:<br><b>J. Roidt</b>                                                                                 |
| Test performed:<br><b>automatically</b>                                | File name:<br><b>default.emi</b>                                                                             |

|                          |                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><div style="display: flex; justify-content: space-between;"> <span><b>10 dB Margin</b></span> <span><b>50 Subranges</b></span> </div> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|



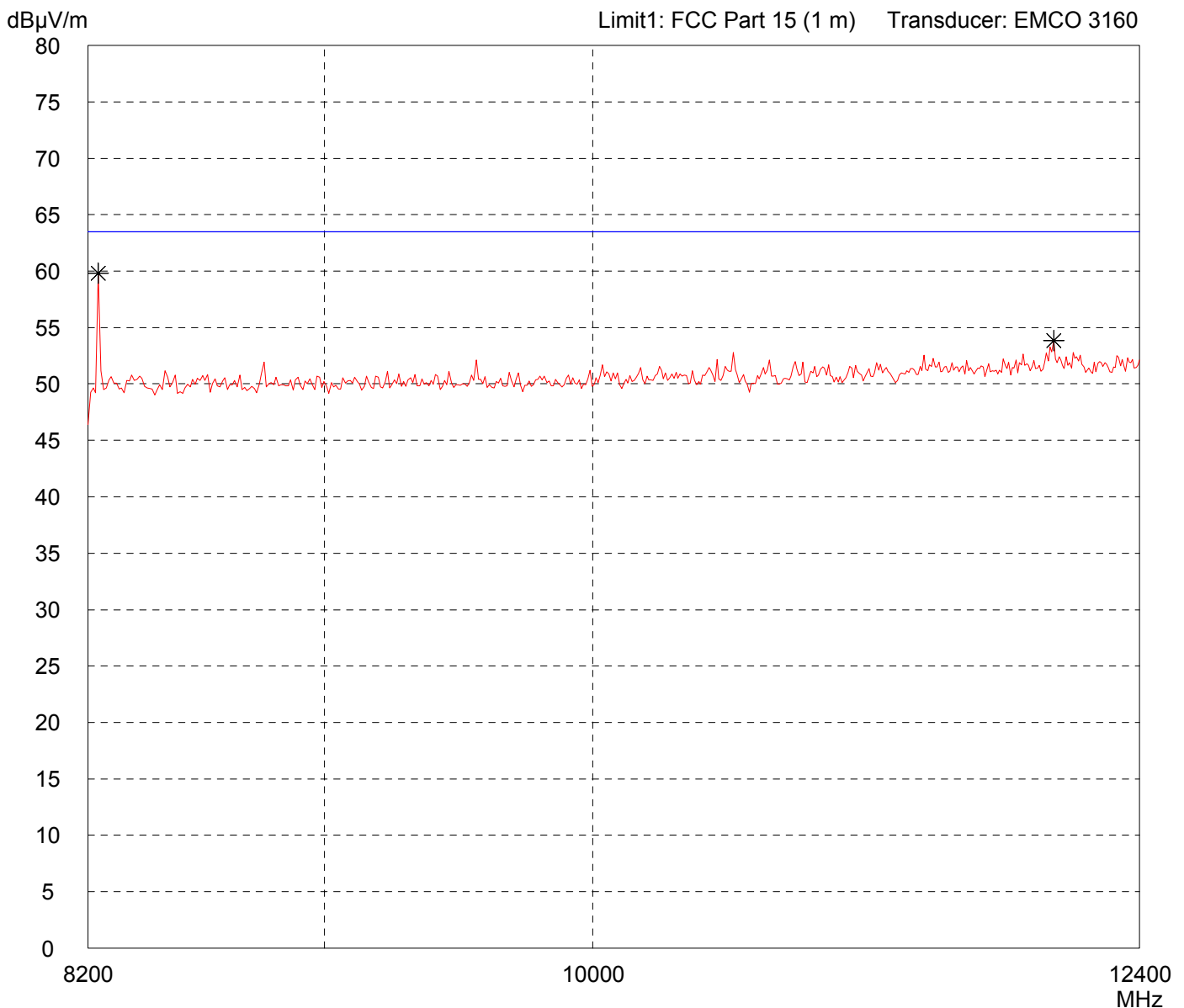
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

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

|                                                                      |                                                                                                              |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                       | Comment:<br>- TX at middle channel<br><br>- Antenna: PC 8910N<br><br>- Notch Filter on Fundamental frequency |
| Serial no.:<br><b>Test Sample #1</b>                                 |                                                                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                  |                                                                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                |                                                                                                              |
| Tested on:<br><b>Test distance 1 meter<br/>Vertical Polarization</b> |                                                                                                              |
| Date of test:<br><b>02/05/2007</b>                                   | Operator:<br><b>J. Roidt</b>                                                                                 |
| Test performed:<br><b>automatically</b>                              | File name:<br><b>default.emi</b>                                                                             |

|                          |                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><div style="display: flex; justify-content: space-between;"> <span><b>10 dB Margin</b></span> <span><b>50 Subranges</b></span> </div> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|



|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

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

Model:  
AC4490LR-200M

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: 02/05/2007  
Operator: J. Roidt

Test performed: automatically  
File name: default.emi

Comment:

- TX at High channel
- Antenna: PC 8910N
- Notch Filter on Fundamental frequency

Detector:  
Peak

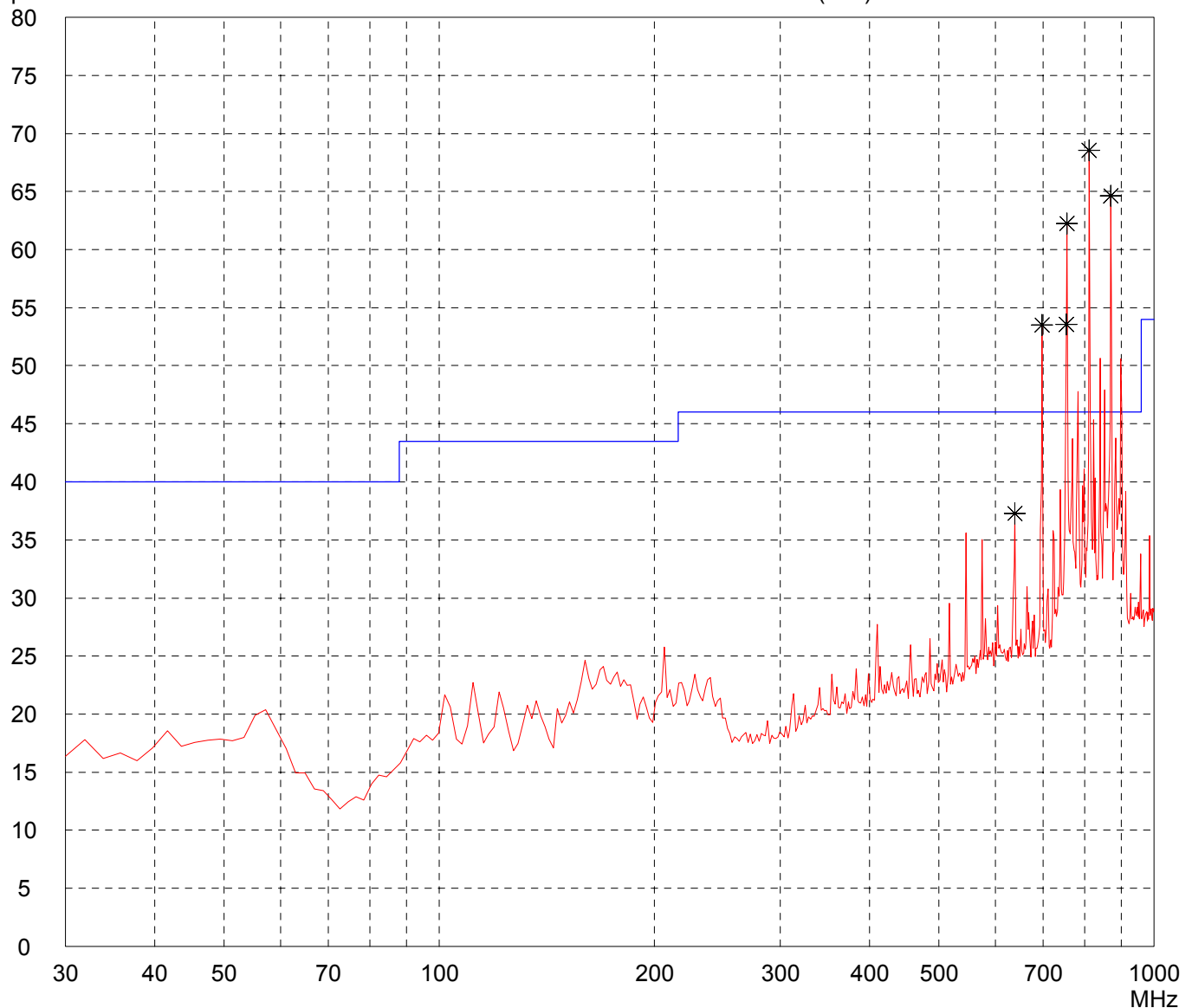
List of values:

10 dB Margin

50 Subranges

dBµV/m

Limit1: FCC 15.209 (3 m) Transducer: VULB 9163



Result:

Project file:  
56109-61084

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

Model:  
AC4490LR-200M

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: 02/05/2007  
Operator: J. Roidt

Test performed: automatically  
File name: default.emi

Comment:

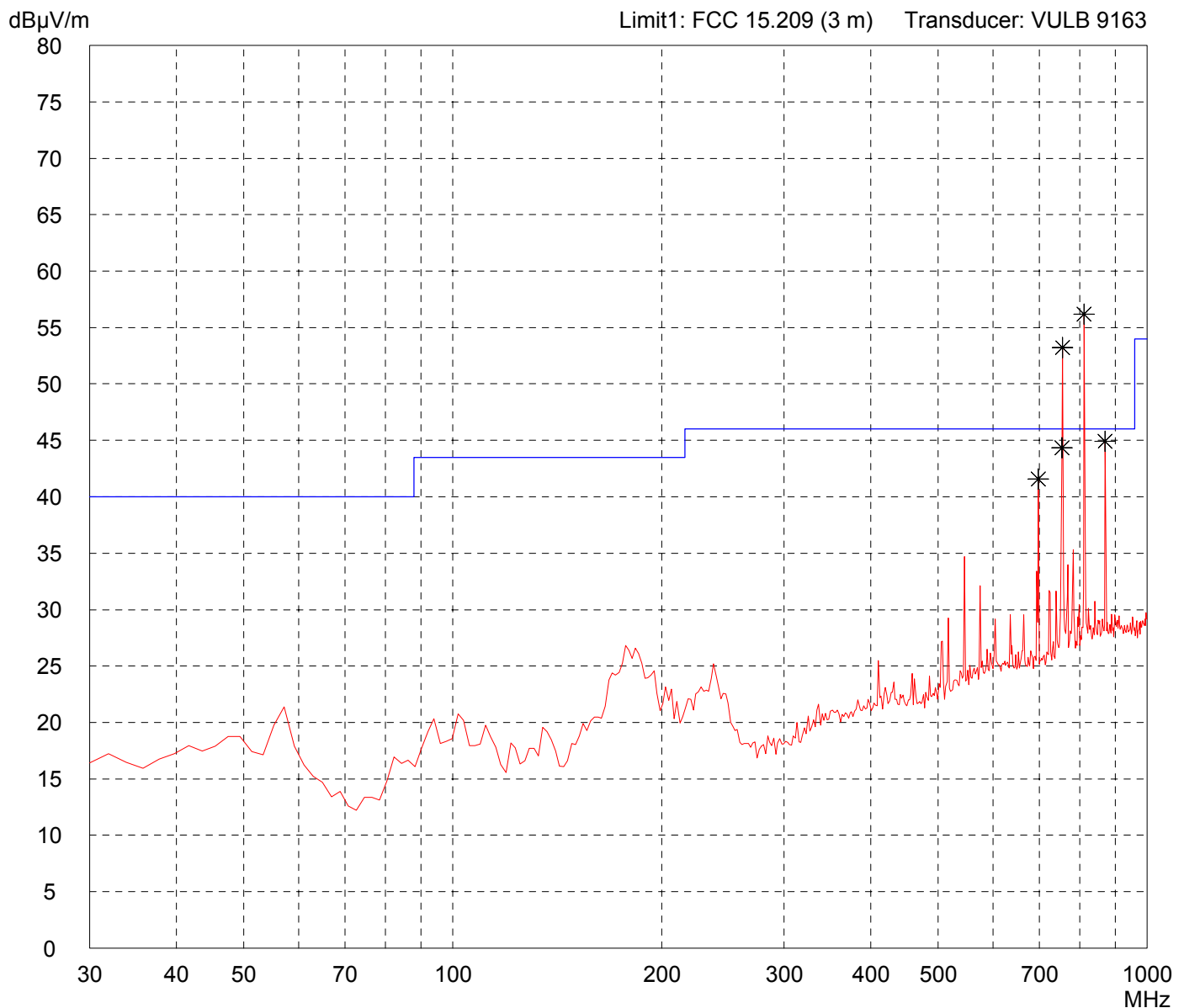
- TX at High channel
- Antenna: PC 8910N
- Notch Filter on Fundamental frequency

Detector:  
Peak

List of values:

10 dB Margin

50 Subranges



Result:

Project file:  
56109-61084

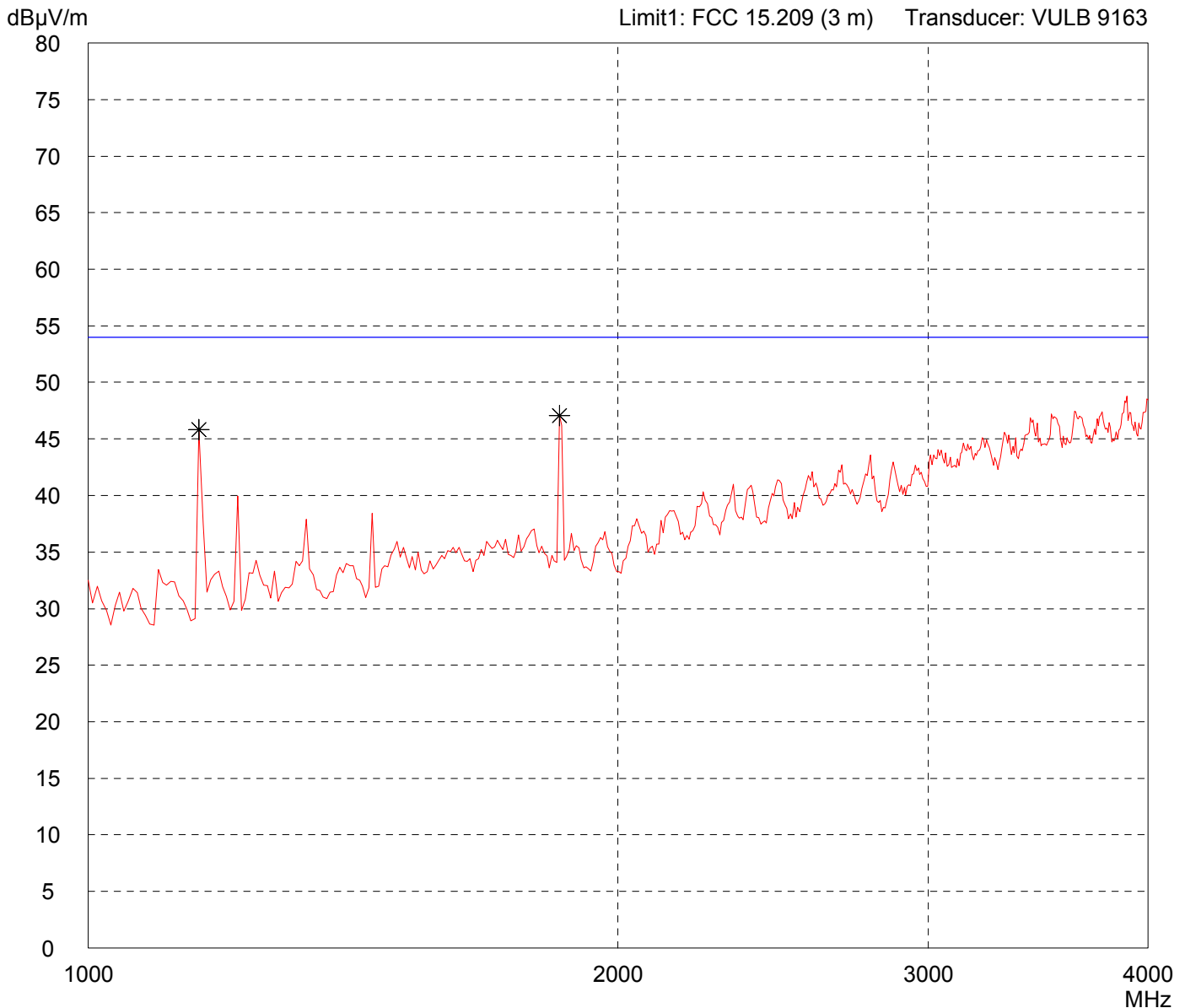
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# Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 Subpart C (FAR)

|                                                                         |                                                                                                            |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                          | Comment:<br>- TX at High channel<br><br>- Antenna: PC 8910N<br><br>- Notch Filter on Fundamental frequency |
| Serial no.:<br><b>Test Sample #1</b>                                    |                                                                                                            |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                     |                                                                                                            |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                   |                                                                                                            |
| Tested on:<br><b>Test distance 3 metres<br/>Horizontal Polarization</b> |                                                                                                            |
| Date of test:<br><b>02/05/2007</b>                                      | Operator:<br><b>J. Roidt</b>                                                                               |
| Test performed:<br><b>automatically</b>                                 | File name:<br><b>default.emi</b>                                                                           |

|                          |                                            |
|--------------------------|--------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>Selected by hand</b> |
|--------------------------|--------------------------------------------|



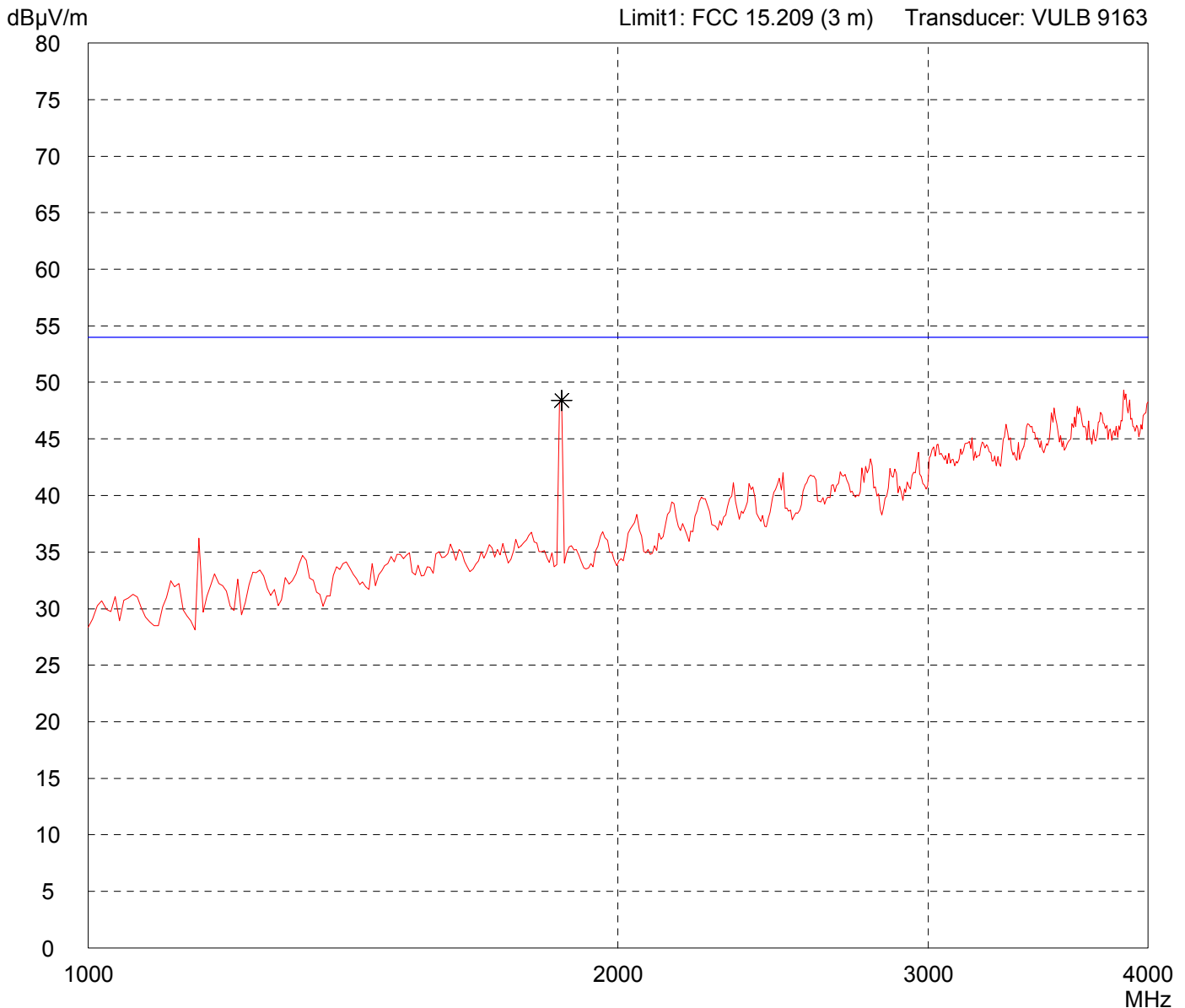
|         |                                     |
|---------|-------------------------------------|
| Result: | Project file:<br><b>56109-61084</b> |
|         | Page    of    Pages                 |

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

|                                                                       |                                                                                                            |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                        | Comment:<br>- TX at High channel<br><br>- Antenna: PC 8910N<br><br>- Notch Filter on Fundamental frequency |
| Serial no.:<br><b>Test Sample #1</b>                                  |                                                                                                            |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                   |                                                                                                            |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                 |                                                                                                            |
| Tested on:<br><b>Test distance 3 metres<br/>Vertical Polarization</b> |                                                                                                            |
| Date of test:<br><b>02/05/2007</b>                                    | Operator:<br><b>J. Roidt</b>                                                                               |
| Test performed:<br><b>automatically</b>                               | File name:<br><b>default.emi</b>                                                                           |

|                          |                                            |
|--------------------------|--------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>Selected by hand</b> |
|--------------------------|--------------------------------------------|



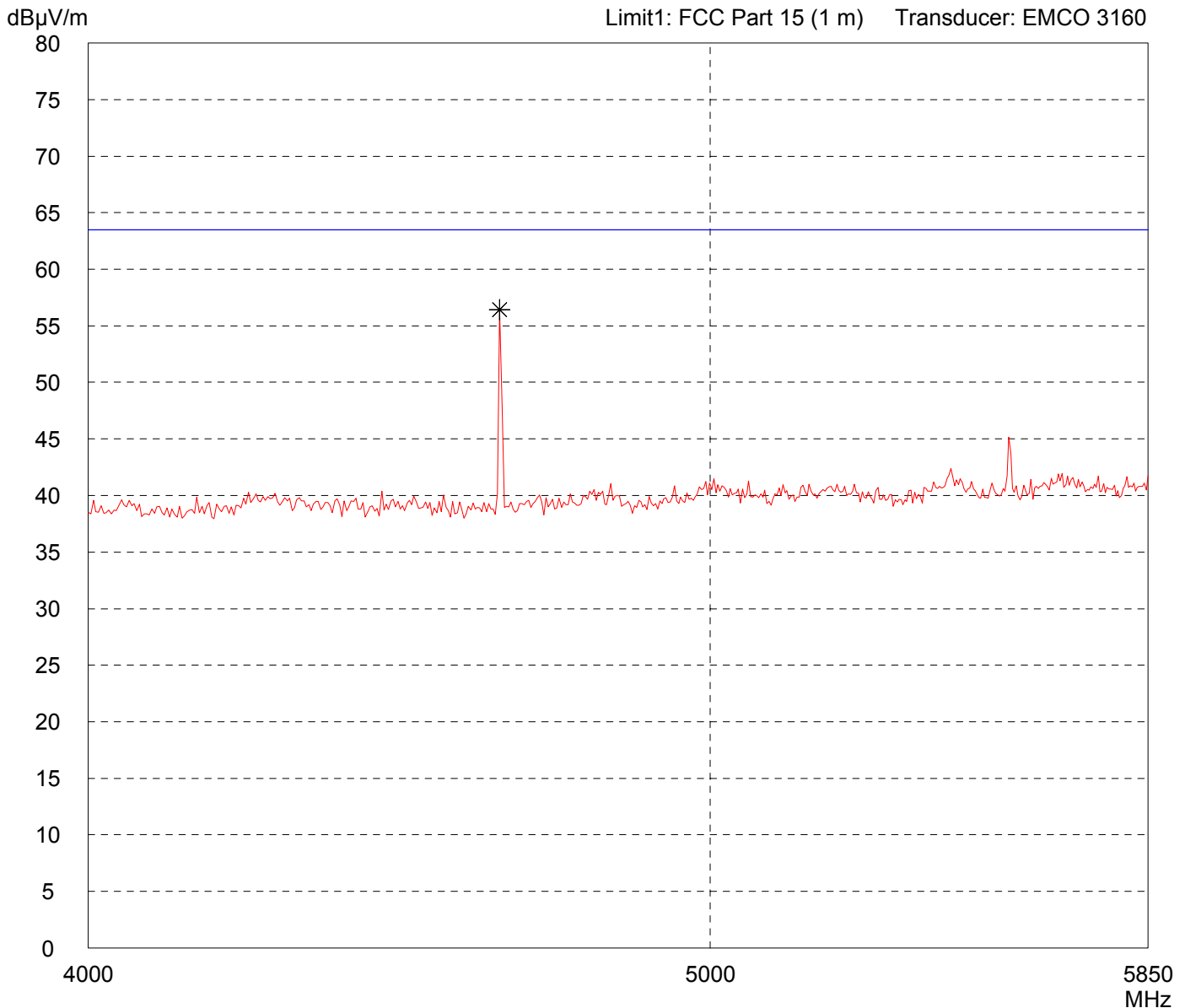
|         |                                     |
|---------|-------------------------------------|
| Result: | Project file:<br><b>56109-61084</b> |
|         | Page    of    Pages                 |

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

|                                                                              |                                                              |
|------------------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                               | Comment:<br><br>- TX at 927.50 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                         |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                          |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                        |                                                              |
| Tested on:<br><b>Test distance 1 meter</b><br><b>Horizontal Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                           | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                                      | File name:<br><b>default.emi</b>                             |

|                          |                                        |
|--------------------------|----------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>10 dB Margin</b> |
|                          | <b>50 Subranges</b>                    |



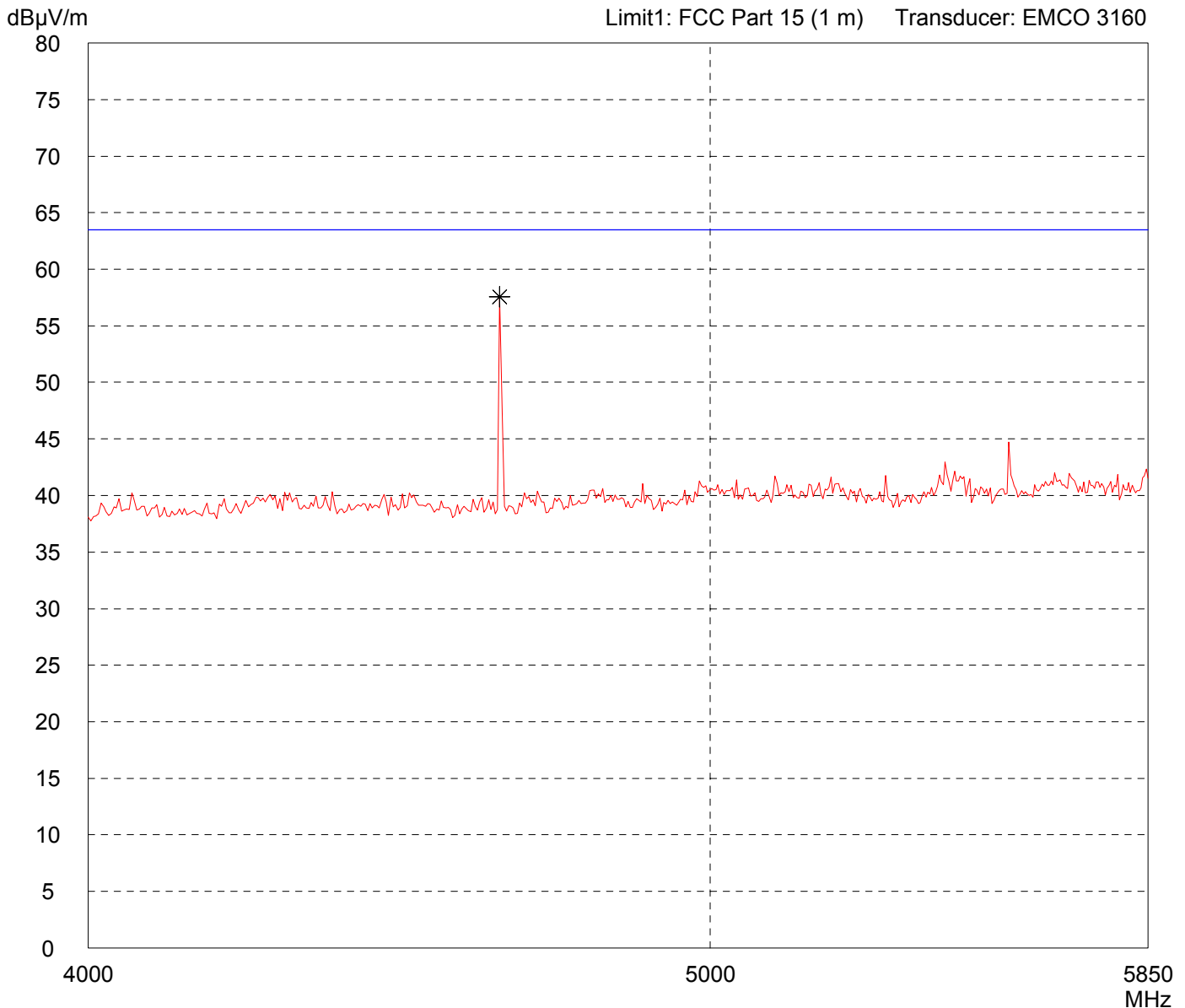
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

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

|                                                                      |                                                              |
|----------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                       | Comment:<br><br>- TX at 927.50 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                 |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                  |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                |                                                              |
| Tested on:<br><b>Test distance 1 meter<br/>Vertical Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                   | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                              | File name:<br><b>default.emi</b>                             |

|                          |                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><div style="display: flex; justify-content: space-between;"> <span><b>10 dB Margin</b></span> <span><b>50 Subranges</b></span> </div> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|



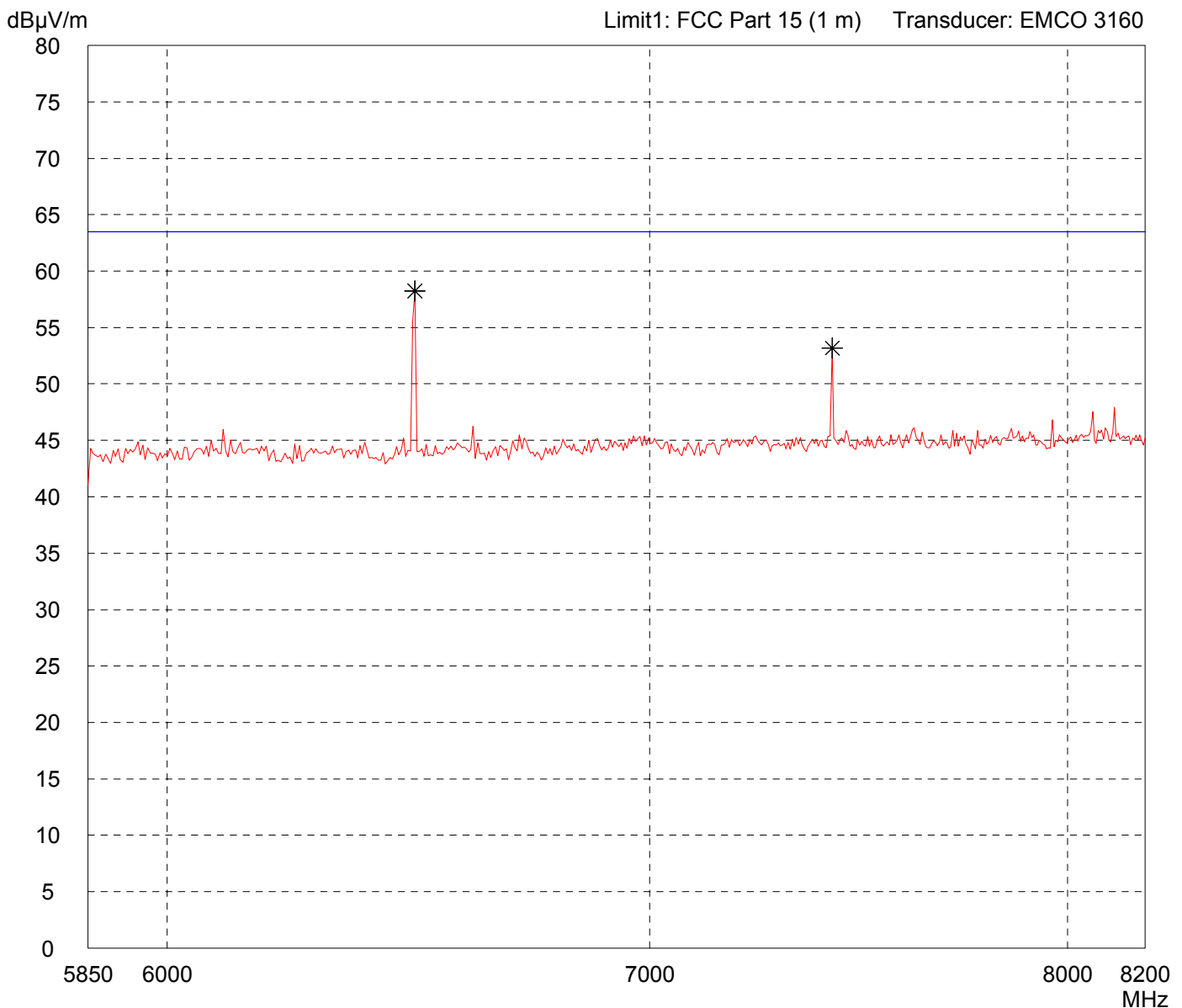
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

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

|                                                                              |                                                              |
|------------------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                               | Comment:<br><br>- TX at 927.50 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                         |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                          |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                        |                                                              |
| Tested on:<br><b>Test distance 1 meter</b><br><b>Horizontal Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                           | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                                      | File name:<br><b>default.emi</b>                             |

|                          |                                            |
|--------------------------|--------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>Selected by hand</b> |
|--------------------------|--------------------------------------------|



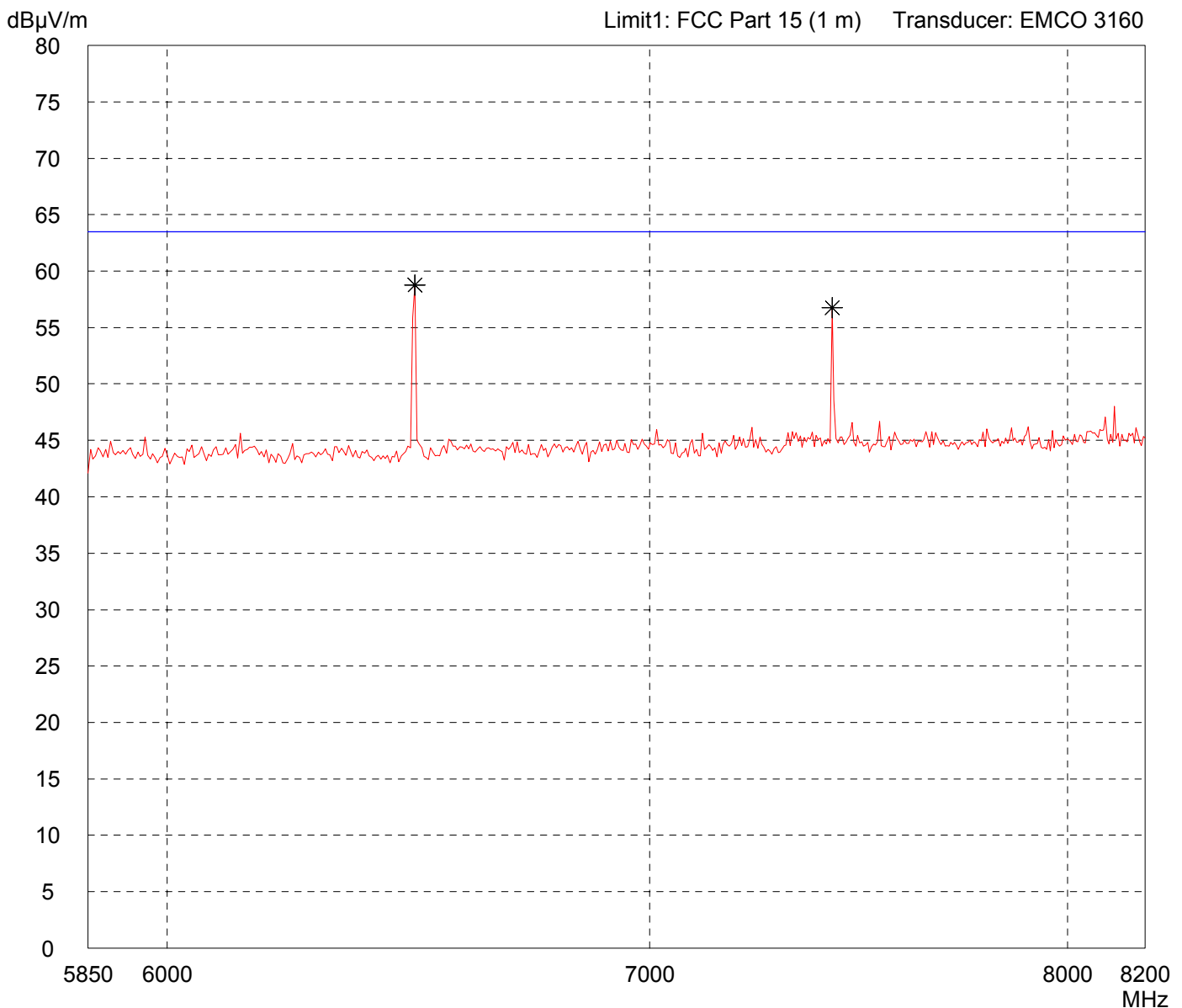
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

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

|                                                                      |                                                              |
|----------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                       | Comment:<br><br>- TX at 927.50 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                 |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                  |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                |                                                              |
| Tested on:<br><b>Test distance 1 meter<br/>Vertical Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                   | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                              | File name:<br><b>default.emi</b>                             |

|                          |                                        |
|--------------------------|----------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>10 dB Margin</b> |
|                          | <b>50 Subranges</b>                    |



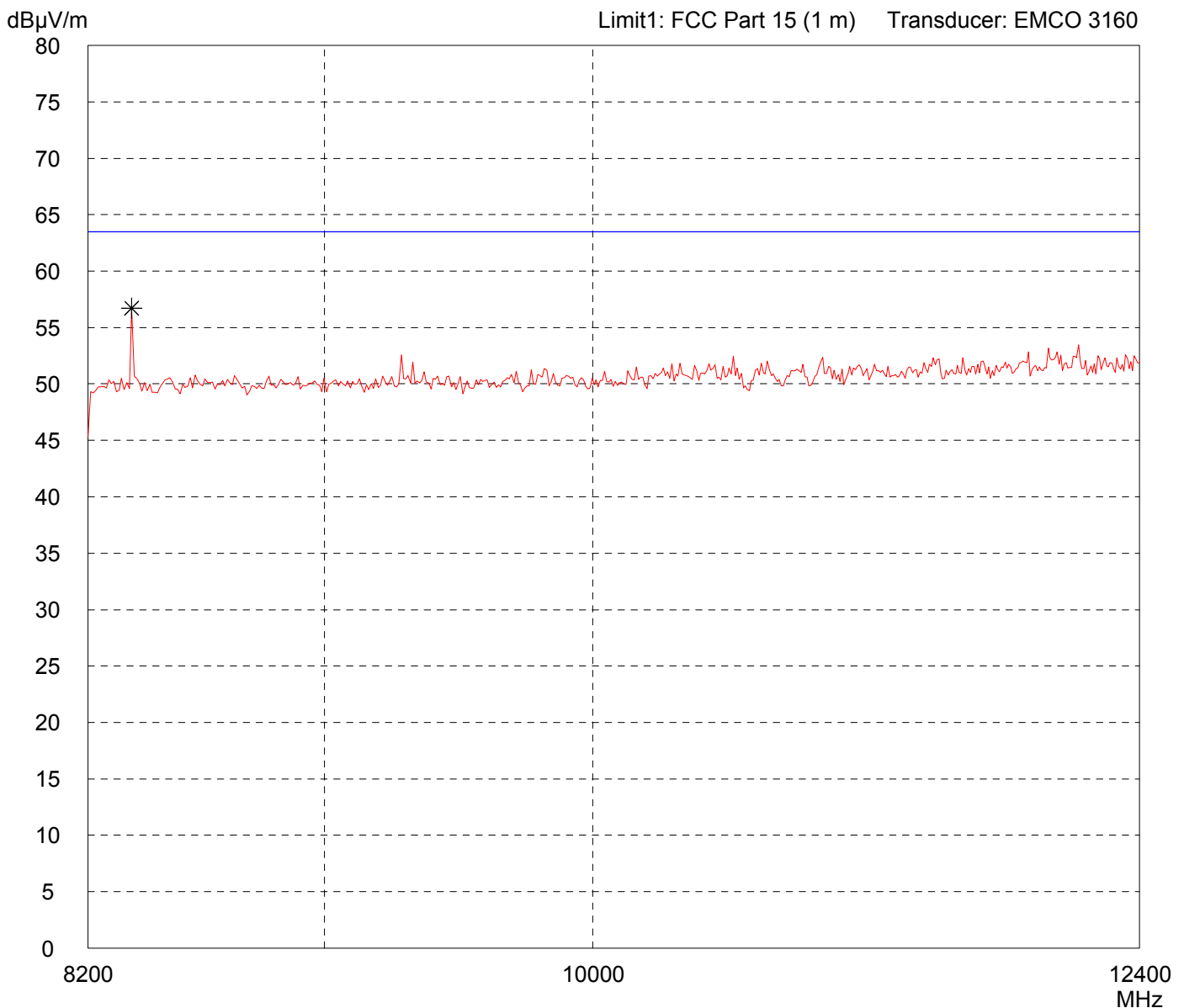
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

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

|                                                                        |                                                                                                            |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                         | Comment:<br>- TX at high channel<br><br>- Antenna: PC 8910N<br><br>- Notch Filter on Fundamental frequency |
| Serial no.:<br><b>Test Sample #1</b>                                   |                                                                                                            |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                    |                                                                                                            |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                  |                                                                                                            |
| Tested on:<br><b>Test distance 1 meter<br/>Horizontal Polarization</b> |                                                                                                            |
| Date of test:<br><b>02/05/2007</b>                                     | Operator:<br><b>J. Roidt</b>                                                                               |
| Test performed:<br><b>automatically</b>                                | File name:<br><b>default.emi</b>                                                                           |

|                          |                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><div style="display: flex; justify-content: space-between;"> <span><b>10 dB Margin</b></span> <span><b>50 Subranges</b></span> </div> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|



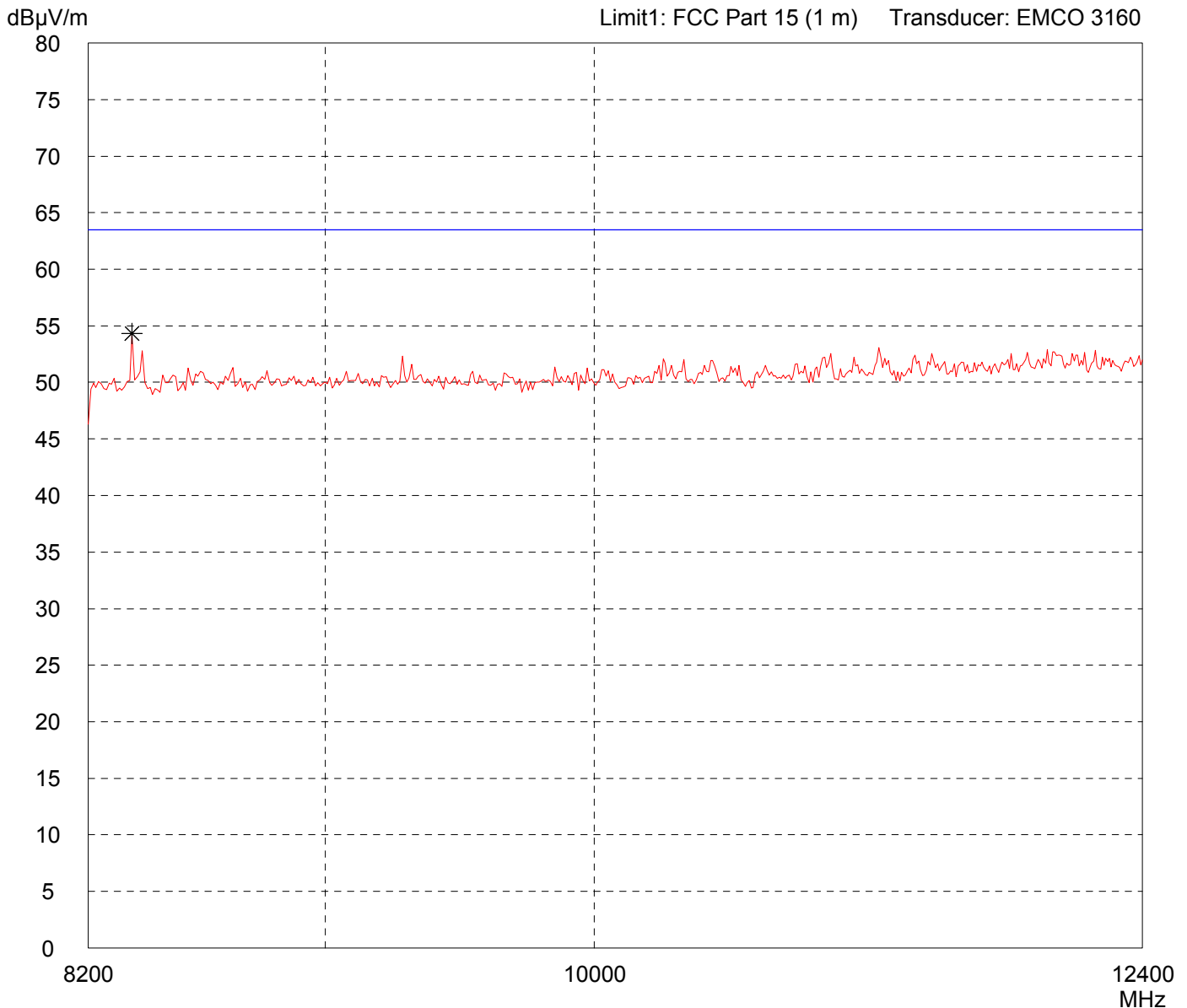
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
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# Radiated Emission Test 8.2 GHz - 12.4 GHz acc. to FCC Part 15 (EMCO 3160)

|                                                                      |                                                                                                            |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                       | Comment:<br>- TX at high channel<br><br>- Antenna: PC 8910N<br><br>- Notch Filter on Fundamental frequency |
| Serial no.:<br><b>Test Sample #1</b>                                 |                                                                                                            |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                  |                                                                                                            |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                |                                                                                                            |
| Tested on:<br><b>Test distance 1 meter<br/>Vertical Polarization</b> |                                                                                                            |
| Date of test:<br><b>02/05/2007</b>                                   | Operator:<br><b>J. Roidt</b>                                                                               |
| Test performed:<br><b>automatically</b>                              | File name:<br><b>default.emi</b>                                                                           |

|                          |                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><div style="display: flex; justify-content: space-between;"> <span><b>10 dB Margin</b></span> <span><b>50 Subranges</b></span> </div> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|



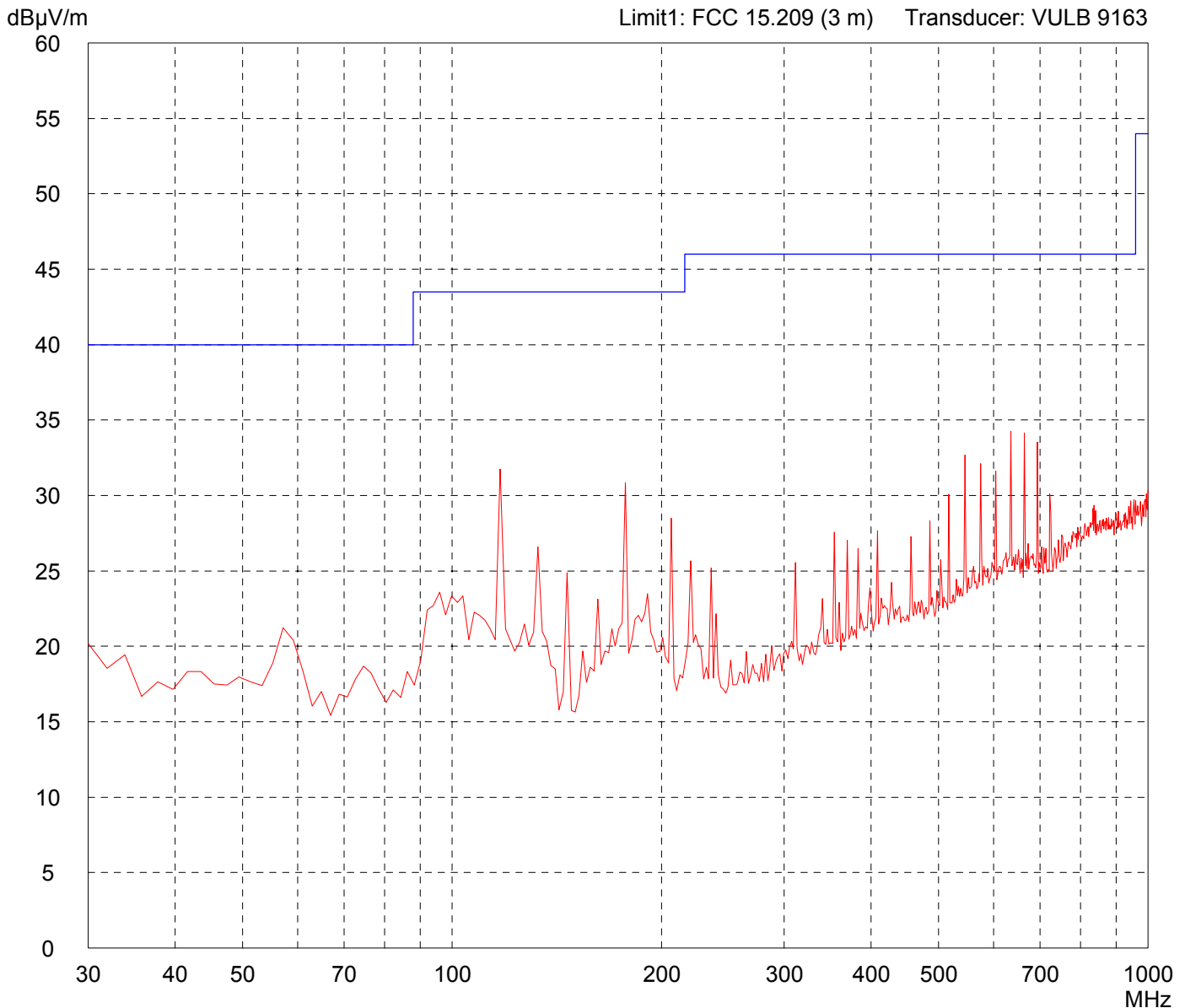
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
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# Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

|                                                                         |                                                               |
|-------------------------------------------------------------------------|---------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                          | Comment:<br>- RX at middle channel<br><br>- Antenna: PC 8910N |
| Serial no.:<br><b>Test Sample #1</b>                                    |                                                               |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                     |                                                               |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                   |                                                               |
| Tested on:<br><b>Test distance 3 metres<br/>Horizontal Polarization</b> |                                                               |
| Date of test:<br><b>02/05/2007</b>                                      | Operator:<br><b>J. Roidt</b>                                  |
| Test performed:<br><b>automatically</b>                                 | File name:<br><b>default.emi</b>                              |

|                          |                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><div style="display: flex; justify-content: space-between;"> <span><b>10 dB Margin</b></span> <span><b>50 Subranges</b></span> </div> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|



|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
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# Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 Subpart C (FAR)

Model:  
AC4490LR-200M

Serial no.:  
Test Sample #1

Applicant:  
AEROCOMM, Inc.

Test site:  
Fully anechoic room, cabin no. 2

Tested on:  
Test distance 3 metres  
Vertical Polarization

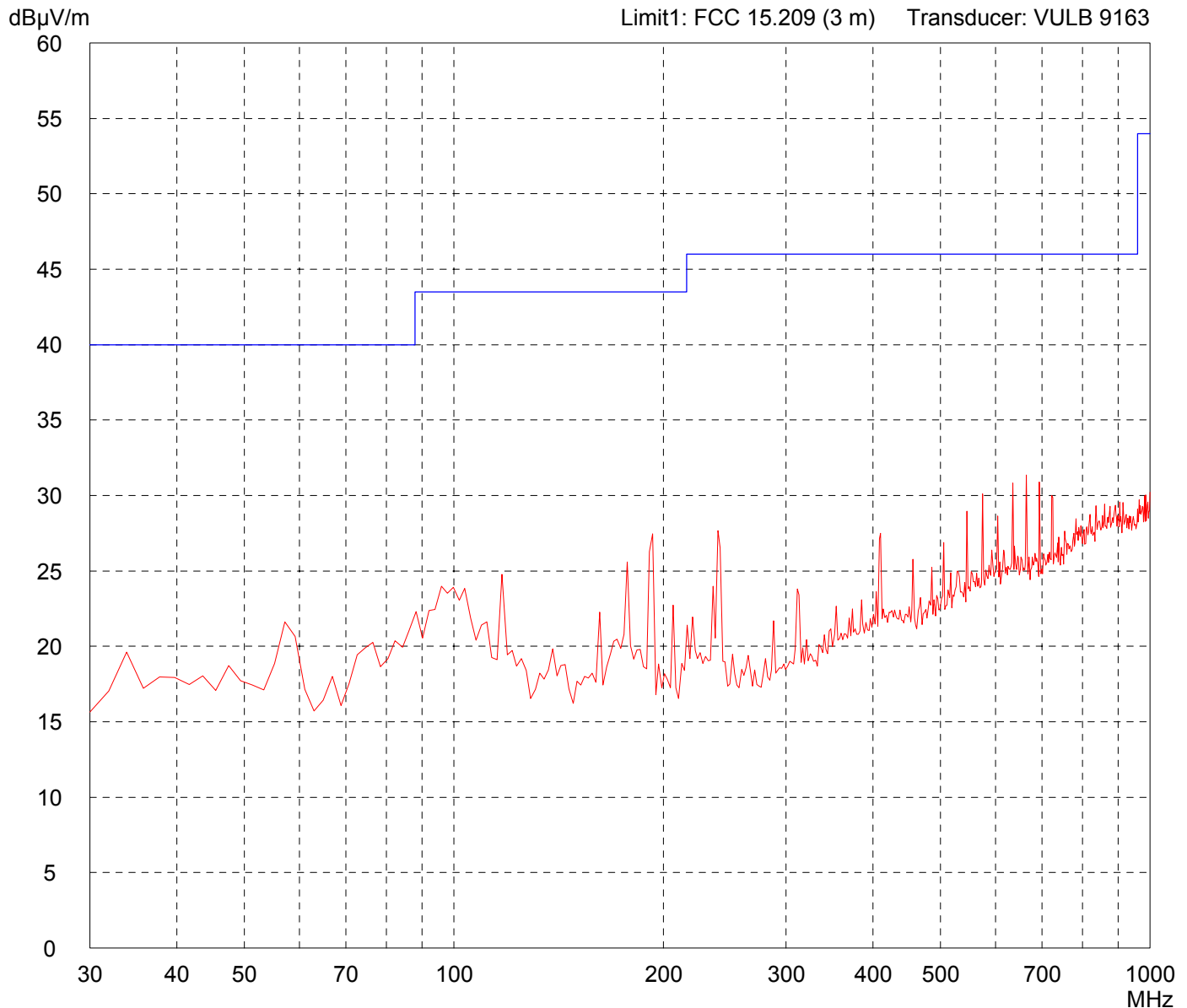
Date of test: 02/05/2007  
Operator: J. Roidt

Test performed: automatically  
File name: default.emi

Comment:  
- RX at middle channel  
  
- Antenna: PC 8910N

Detector:  
Peak

List of values:  
10 dB Margin 50 Subranges



Result:  
Limit kept

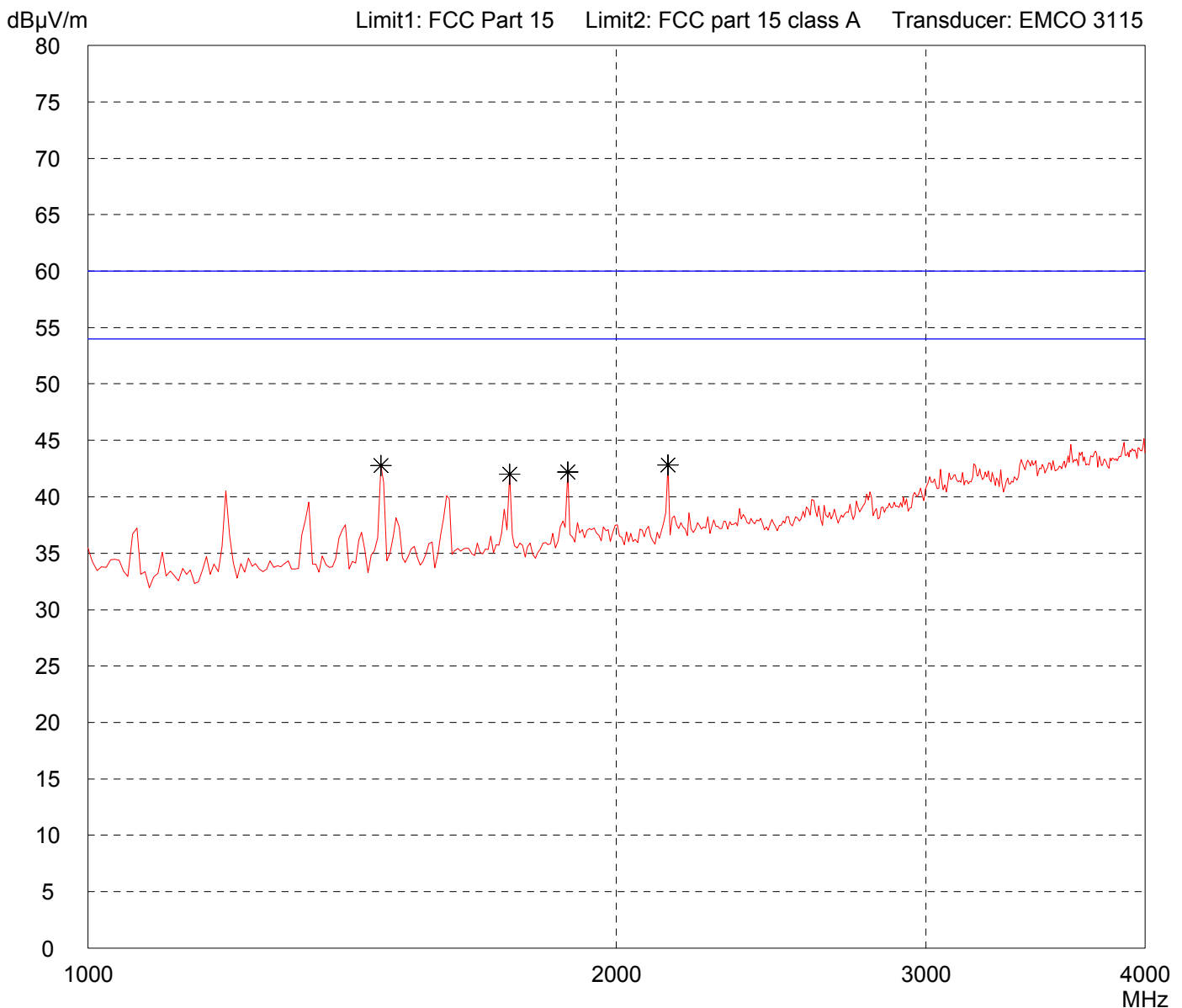
Project file:  
56109-61084

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

|                                                                         |                                                              |
|-------------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                          | Comment:<br><br>- RX at 915.38 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                    |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                     |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                   |                                                              |
| Tested on:<br><b>Test distance 3 metres<br/>Horizontal Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                      | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                                 | File name:<br><b>default.emi</b>                             |

|                          |                                            |
|--------------------------|--------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>Selected by hand</b> |
|--------------------------|--------------------------------------------|



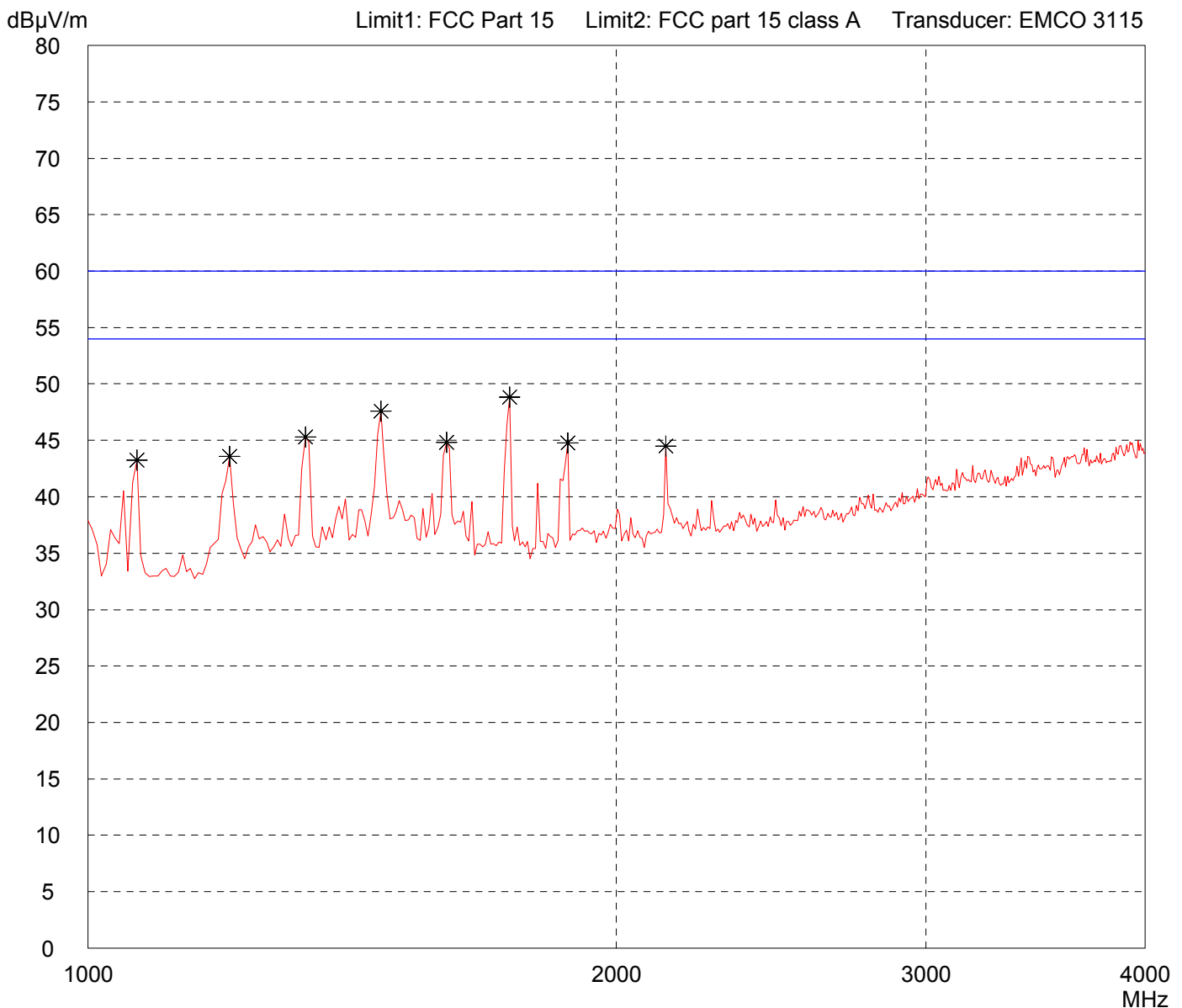
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
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# Radiated Emission Test 1 GHz - 4 GHz acc. to FCC Part 15 (EMCO 3115)

|                                                                       |                                                              |
|-----------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                        | Comment:<br><br>- RX at 915.38 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                  |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                   |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                 |                                                              |
| Tested on:<br><b>Test distance 3 metres<br/>Vertical Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                    | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                               | File name:<br><b>default.emi</b>                             |

|                          |                                            |
|--------------------------|--------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>Selected by hand</b> |
|--------------------------|--------------------------------------------|



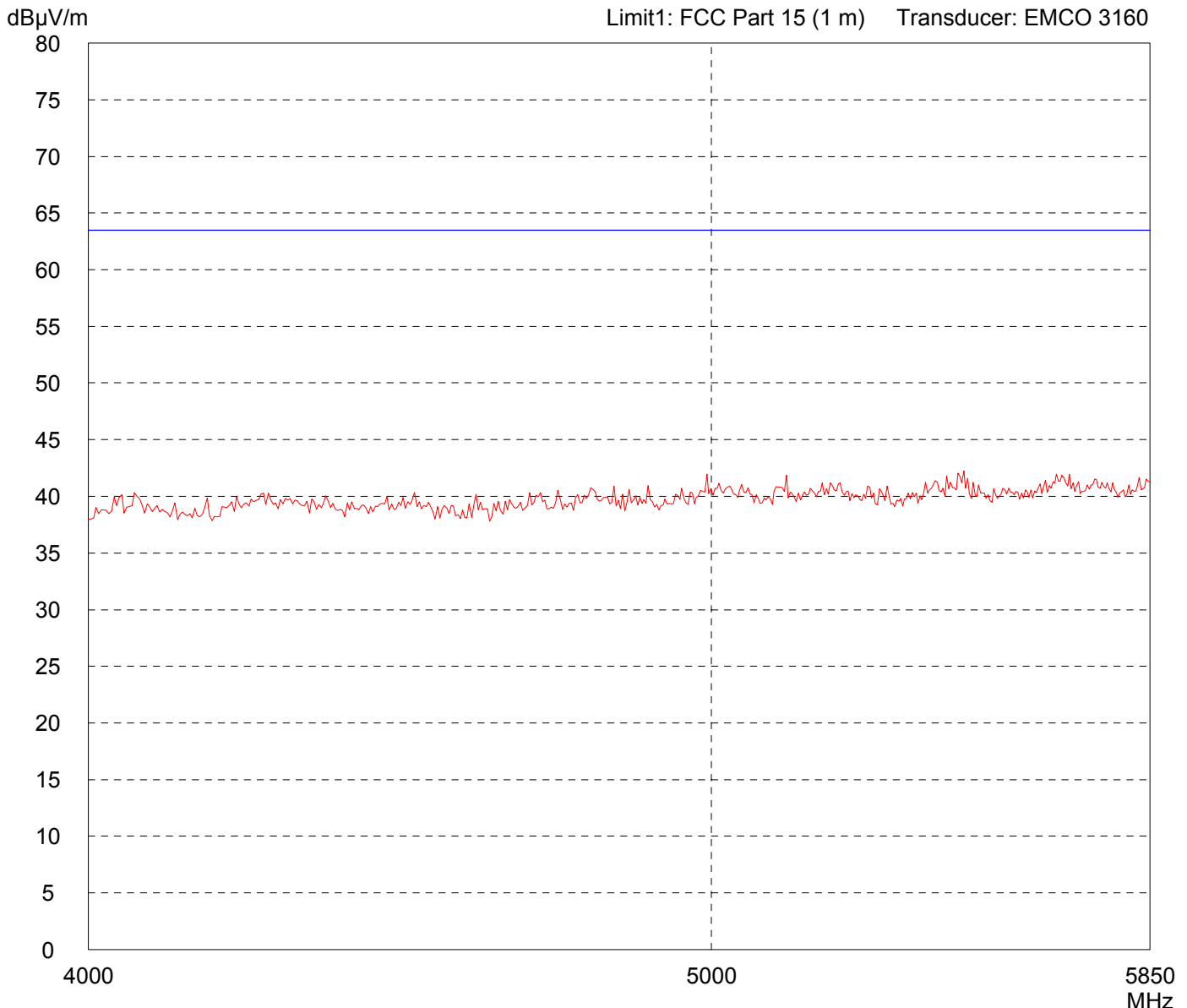
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
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# Radiated Emission Test 4 GHz - 5.85 GHz acc. to FCC Part 15 (EMCO 3160)

|                                                                        |                                                              |
|------------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                         | Comment:<br><br>- RX at 915.38 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                   |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                    |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                  |                                                              |
| Tested on:<br><b>Test distance 1 meter<br/>Horizontal Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                     | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                                | File name:<br><b>default.emi</b>                             |

|                          |                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><div style="display: flex; justify-content: space-between;"> <span><b>10 dB Margin</b></span> <span><b>50 Subranges</b></span> </div> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|



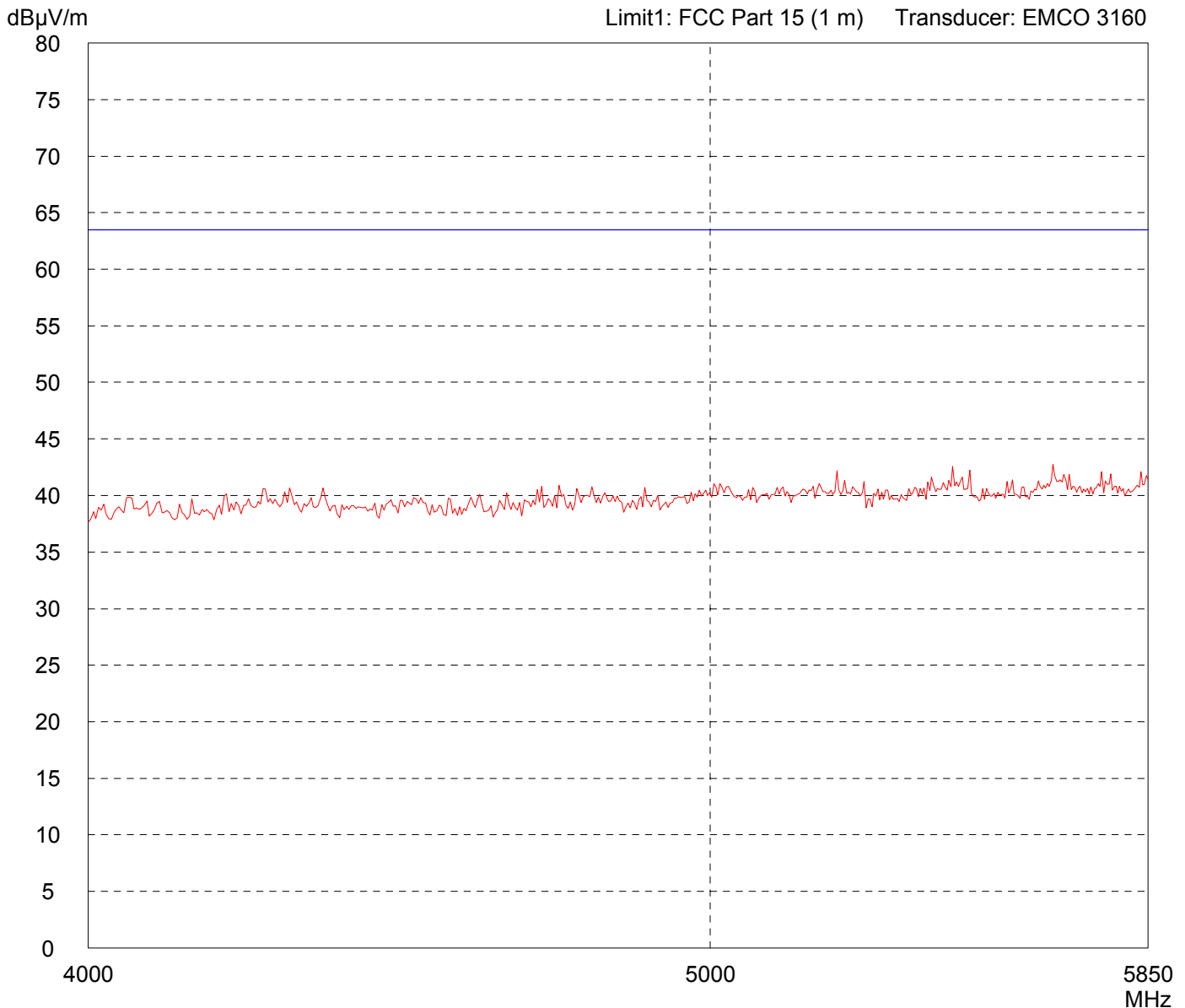
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
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# Radiated Emission Test 4 GHz - 5.85 GHz acc. to FCC Part 15 (EMCO 3160)

|                                                                            |                                                              |
|----------------------------------------------------------------------------|--------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                             | Comment:<br><br>- RX at 915.38 MHz<br><br>- Antenna: PC8910N |
| Serial no.:<br><b>Test Sample #1</b>                                       |                                                              |
| Applicant:<br><b>AEROCOMM, Inc.</b>                                        |                                                              |
| Test site:<br><b>Fully anechoic room, cabin no. 2</b>                      |                                                              |
| Tested on:<br><b>Test distance 1 meter</b><br><b>Vertical Polarization</b> |                                                              |
| Date of test:<br><b>02/05/2007</b>                                         | Operator:<br><b>A. Stübinger</b>                             |
| Test performed:<br><b>automatically</b>                                    | File name:<br><b>default.emi</b>                             |

|                          |                                        |
|--------------------------|----------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>10 dB Margin</b> |
|                          | <b>50 Subranges</b>                    |



|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
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