

Straubing, 28 June 2007

**APPENDIX E**  
**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 S161AH-915R

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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: | 30 January 2007                                            |

| Frequency (MHz)             | Antenna Polarisation | Meter Reading (dBµV) | Antenna Correction (dB) | Field Strength (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------------------|----------------------|----------------------|-------------------------|-------------------------|----------------|-------------|
| 902.20                      | Vertical             | 90.79                | 24.19                   | 114.98                  | Fundamenta<br> | ---         |
| 915.40                      | Vertical             | 90.58                | 24.31                   | 114.89                  | Fundamenta<br> | ---         |
| 927.50                      | Vertical             | 90.53                | 24.41                   | 114.94                  | Fundamenta<br> | ---         |
|                             |                      |                      |                         |                         |                |             |
| <b>Band Edge Compliance</b> |                      |                      |                         |                         |                |             |
| 902.0                       | Vertical             | 4.11                 | 24.19                   | 28.30                   | 94.98          | N.R.B.      |
| 928.0                       | Vertical             | 4.90                 | 24.41                   | 29.31                   | 94.94          | N.R.B.      |
|                             |                      |                      |                         |                         |                |             |
| <b>Low Channel</b>          |                      |                      |                         |                         |                |             |
| 677.96                      | Vertical             | 31.58                | 21.39                   | 52.97                   | 94.98          | N.R.B.      |
| 734.22                      | Vertical             | 29.04                | 22.01                   | 51.05                   | 94.98          | N.R.B.      |
| 790.48                      | Vertical             | 37.39                | 22.79                   | 60.18                   | 94.98          | N.R.B.      |
| 846.74                      | Vertical             | 27.24                | 23.52                   | 50.76                   | 94.98          | N.R.B.      |
| 1012.0                      | Vertical             | 22.20                | 25.19                   | 47.39                   | 54.00          | 6.61        |
| 1126.0                      | Vertical             | 22.45                | 26.50                   | 48.26                   | 54.00          | 5.74        |
| 1804.0                      | Vertical             | 12.31                | 31.65                   | 43.96                   | 54.00          | 10.04       |
| 4510.6                      | Horizontal           | 2.53                 | 33.99                   | 36.52                   | 54.00          | 17.48       |

| Frequency (MHz)       | Antenna Polarisation | Meter Reading (dBµV) | Antenna Correction (dB) | Field Strength (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------------|----------------------|----------------------|-------------------------|-------------------------|----------------|-------------|
| 5413.4                | Vertical             | 3.45                 | 34.85                   | 38.30                   | 54.00          | 15.70       |
| 6315.3                | Vertical             | 12.34                | 38.19                   | 50.53                   | 54.00          | 3.47        |
| 7217.7                | Vertical             | 5.89                 | 38.95                   | 44.85                   | 54.00          | 9.15        |
| 8124.8                | Horizontal           | 13.03                | 39.70                   | 52.73                   | 54.00          | 1.26        |
| 9024.4                | Horizontal           | 2.45                 | 43.72                   | 46.17                   | 54.00          | 7.83        |
|                       |                      |                      |                         |                         |                |             |
| <b>Middle Channel</b> |                      |                      |                         |                         |                |             |
| 687.66                | Vertical             | 35.71                | 21.44                   | 57.15                   | 94.89          | N.R.B.      |
| 743.92                | Vertical             | 31.53                | 22.15                   | 53.67                   | 94.89          | N.R.B.      |
| 802.12                | Vertical             | 38.34                | 22.95                   | 61.29                   | 94.89          | N.R.B.      |
| 858.38                | Vertical             | 29.10                | 23.67                   | 52.77                   | 94.89          | N.R.B.      |
| 1030.0                | Vertical             | 20.69                | 25.45                   | 46.14                   | 54.00          | 7.86        |
| 1144.0                | Vertical             | 23.93                | 26.55                   | 50.48                   | 54.00          | 3.52        |
| 4577.20               | Horizontal           | 2.02                 | 34.05                   | 46.07                   | 54.00          | 7.93        |
| 5494.80               | Vertical             | 2.76                 | 34.93                   | 37.69                   | 54.00          | 16.31       |
| 6409.30               | Vertical             | 2.40                 | 38.27                   | 50.67                   | 54.00          | 3.33        |
| 7325.80               | Vertical             | 20.53                | 39.07                   | 49.60                   | 54.00          | 4.40        |
| 8239.60               | Horizontal           | 8.12                 | 43.17                   | 51.29                   | 54.00          | 2.71        |
| 9154.00               | Horizontal           | 1.16                 | 43.81                   | 44.97                   | 54.00          | 9.03        |
|                       |                      |                      |                         |                         |                |             |
| <b>High Channel</b>   |                      |                      |                         |                         |                |             |
| 697.36                | Vertical             | 40.03                | 21.49                   | 61.51                   | 94.94          | N.R.B.      |
| 753.62                | Vertical             | 26.99                | 22.28                   | 49.28                   | 94.94          | N.R.B.      |
| 755.56                | Vertical             | 35.80                | 22.31                   | 58.11                   | 94.94          | N.R.B.      |
| 811.82                | Vertical             | 41.89                | 23.08                   | 64.97                   | 94.94          | N.R.B.      |
| 870.02                | Vertical             | 32.51                | 23.81                   | 56.32                   | 94.94          | N.R.B.      |
| 1156.0                | Vertical             | 24.46                | 26.59                   | 51.05                   | 54.00          | 2.95        |
| 1852.0                | Vertical             | 15.02                | 30.98                   | 46.00                   | 54.00          | 8.00        |
| 4636.4                | Horizontal           | 16.72                | 34.11                   | 50.82                   | 54.00          | 3.18        |
| 5565.10               | Vertical             | 3.82                 | 35.00                   | 38.82                   | 54.00          | 15.18       |
| 6493.9                | Vertical             | 12.20                | 38.34                   | 50.55                   | 54.00          | 3.45        |
| 7419.8                | Horizontal           | 6.40                 | 39.17                   | 45.57                   | 54.00          | 8.43        |
| 8120.1                | Horizontal           | 5.85                 | 39.69                   | 45.54                   | 54.00          | 8.46        |
| 8347.60               | Horizontal           | 1.75                 | 43.25                   | 45.00                   | 54.00          | 9.00        |
| 9276.4                | Horizontal           | 1.18                 | 43.90                   | 45.08                   | 54.00          | 8.92        |



## 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: (Nearson S161AH-915R)

**2.5 dBi = 1.77 (numerical gain)**

Power density at 20 cm:

**0.04 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) |
|-----------------|----------|----------------------|-------------------------|--------------------------|-------------------------|----------------|-------------|
| 171.620         | Peak     | Vertical             | 26.20                   | 10.80                    | 37.00                   | 43.50          | <b>6.5</b>  |
| 212.360         | Peak     | Vertical             | 23.09                   | 12.76                    | 35.85                   | 43.50          | <b>7.7</b>  |
| 214.300         | Peak     | Vertical             | 23.91                   | 12.83                    | 36.74                   | 43.50          | <b>6.8</b>  |
| 1198.000        | Peak     | Vertical             | 22.02                   | 28.53                    | 50.55                   | 54.00          | <b>3.5</b>  |
| 1468.000        | Peak     | Vertical             | 19.45                   | 29.49                    | 48.94                   | 54.00          | <b>5.1</b>  |
| 1738.000        | Peak     | Vertical             | 20.07                   | 30.95                    | 51.02                   | 54.00          | <b>3.0</b>  |
|                 |          |                      |                         |                          |                         |                |             |

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

Sample calculation of erp values:

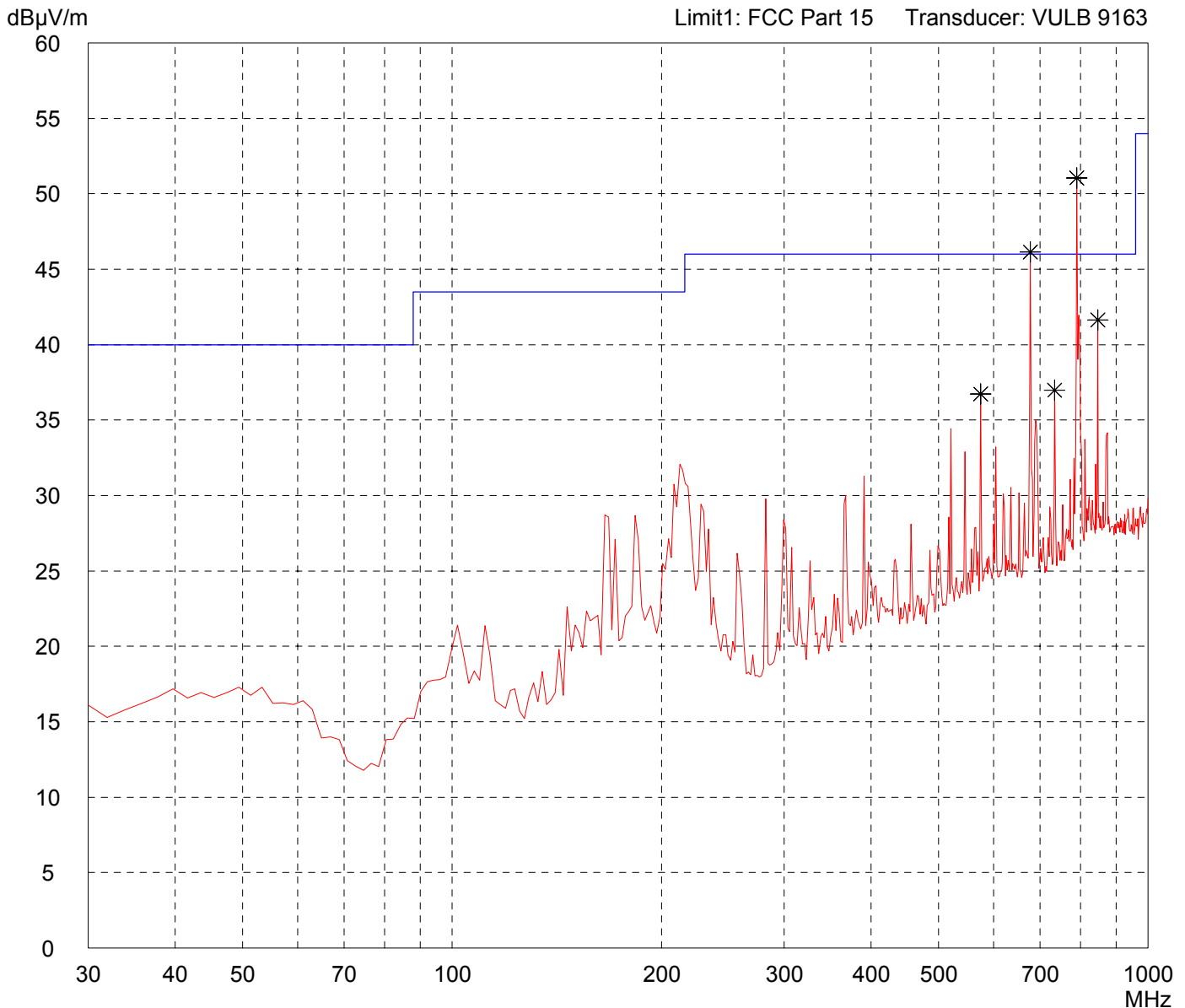
$$\text{Field Strength (dB}\mu\text{V/m)} = \text{Analyzer Reading (dB}\mu\text{V)} + \text{Correction Factor (dB/m)}$$

## Charts taken during testing

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

|                                                                         |                                                                                                     |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                          | Comment:<br>- TX at 902.20 MHz<br>- Antenna: S161AH-915R<br>- Notch Filter at 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>01/30/2007</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> <div style="text-align: right;"><b>50 Subranges</b></div> |
|--------------------------|--------------------------------------------------------------------------------------------------|

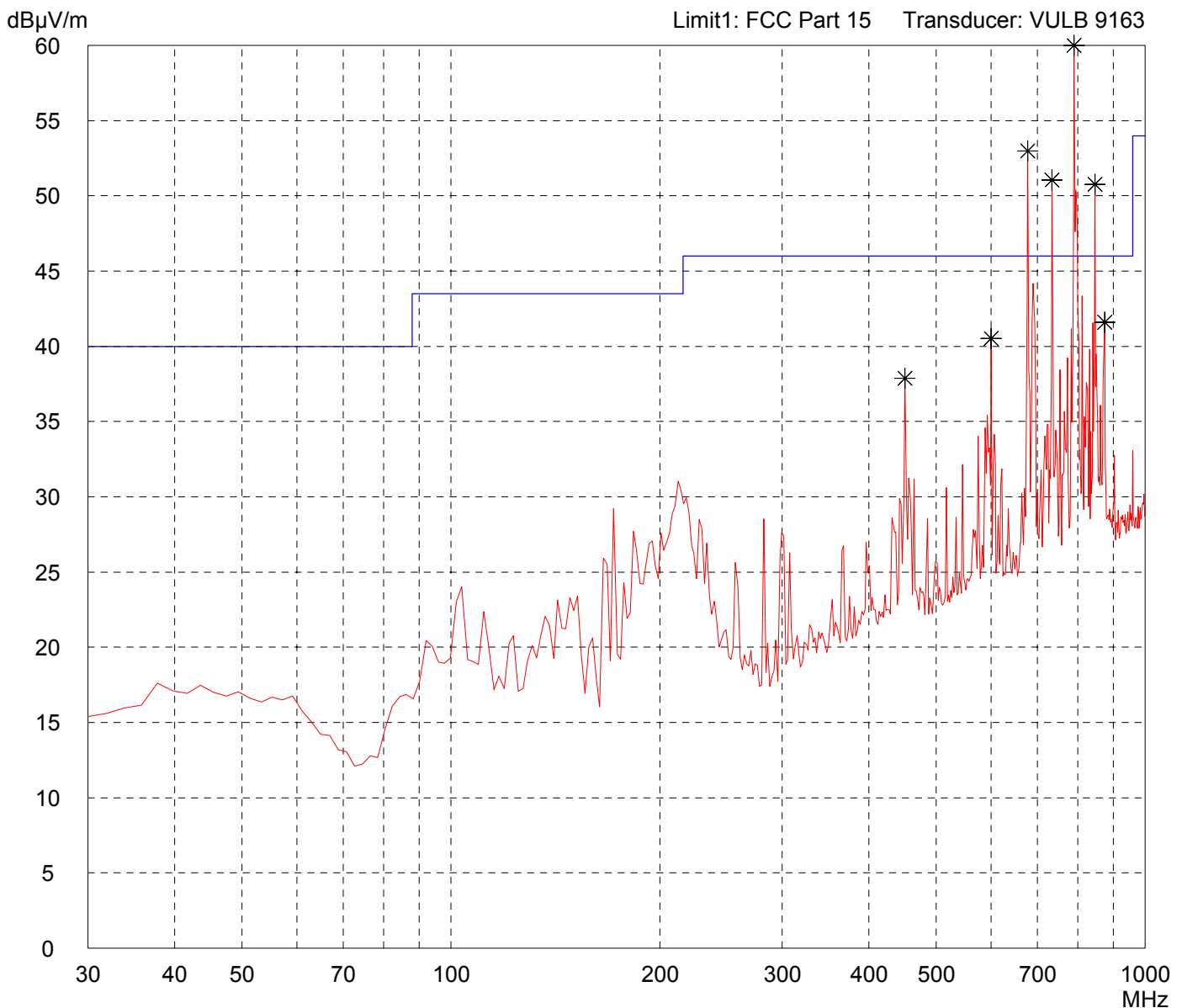


|                           |                                     |
|---------------------------|-------------------------------------|
| Result:<br><b>Prescan</b> | Project file:<br><b>56109-61084</b> |
|                           | Page    of    Pages                 |

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

|                                                                       |                                                                                                     |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                        | Comment:<br>- TX at 902.20 MHz<br>- Antenna: S161AH-915R<br>- Notch Filter at 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>01/30/2007</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>                    |



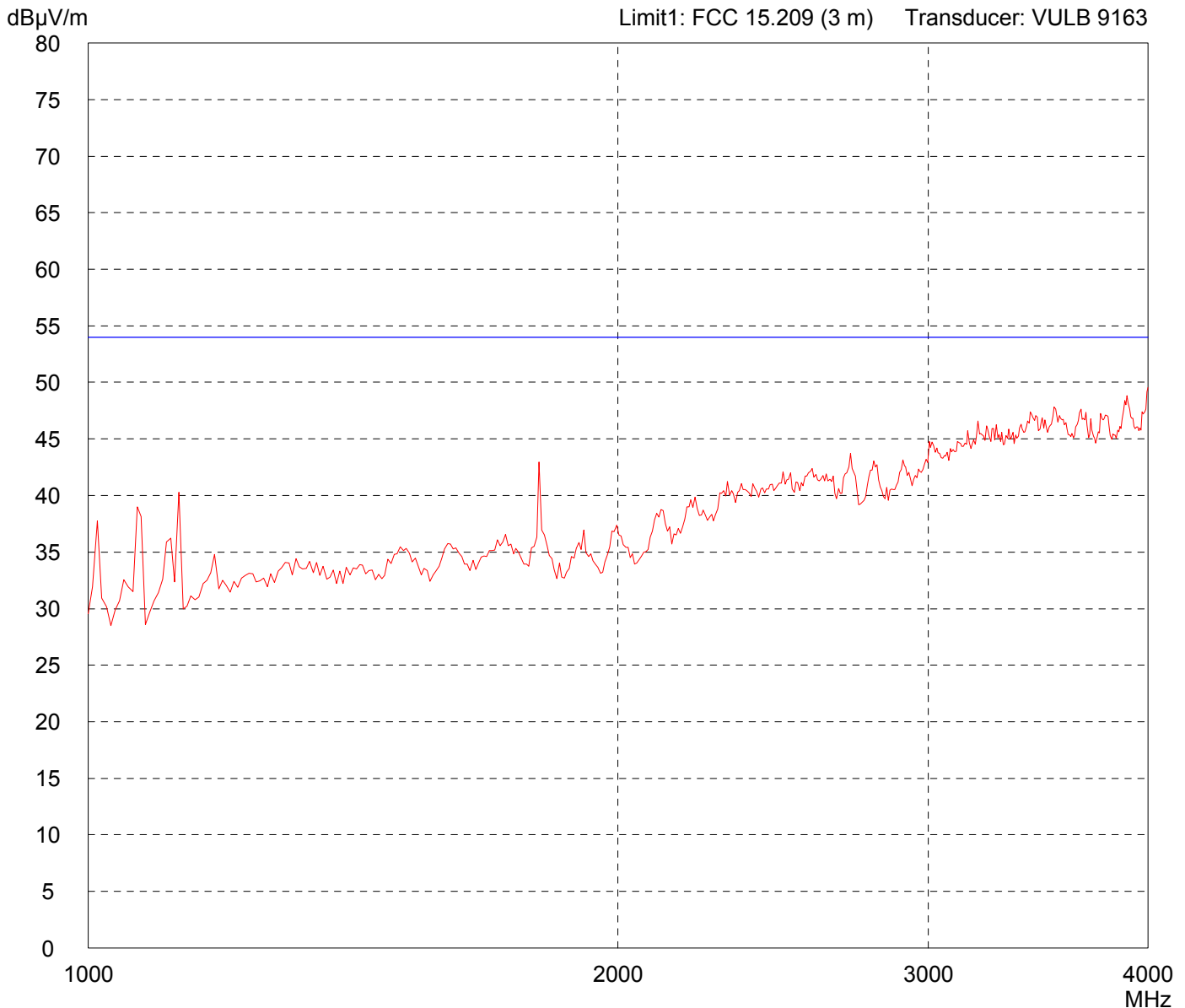
|                           |                                     |
|---------------------------|-------------------------------------|
| Result:<br><b>Prescan</b> | Project file:<br><b>56109-61084</b> |
|                           | Page    of    Pages                 |

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

|                                                                         |                                                                                                           |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC-4490LR-200M</b>                                         | Comment:<br>- TX Mode on Low Channel<br>- Antenna: S161AH-915R<br>- Notch Filter on Fundamental frequency |
| Serial no.:                                                             |                                                                                                           |
| 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>07/13/2007</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> |
|--------------------------|--------------------------------------------|



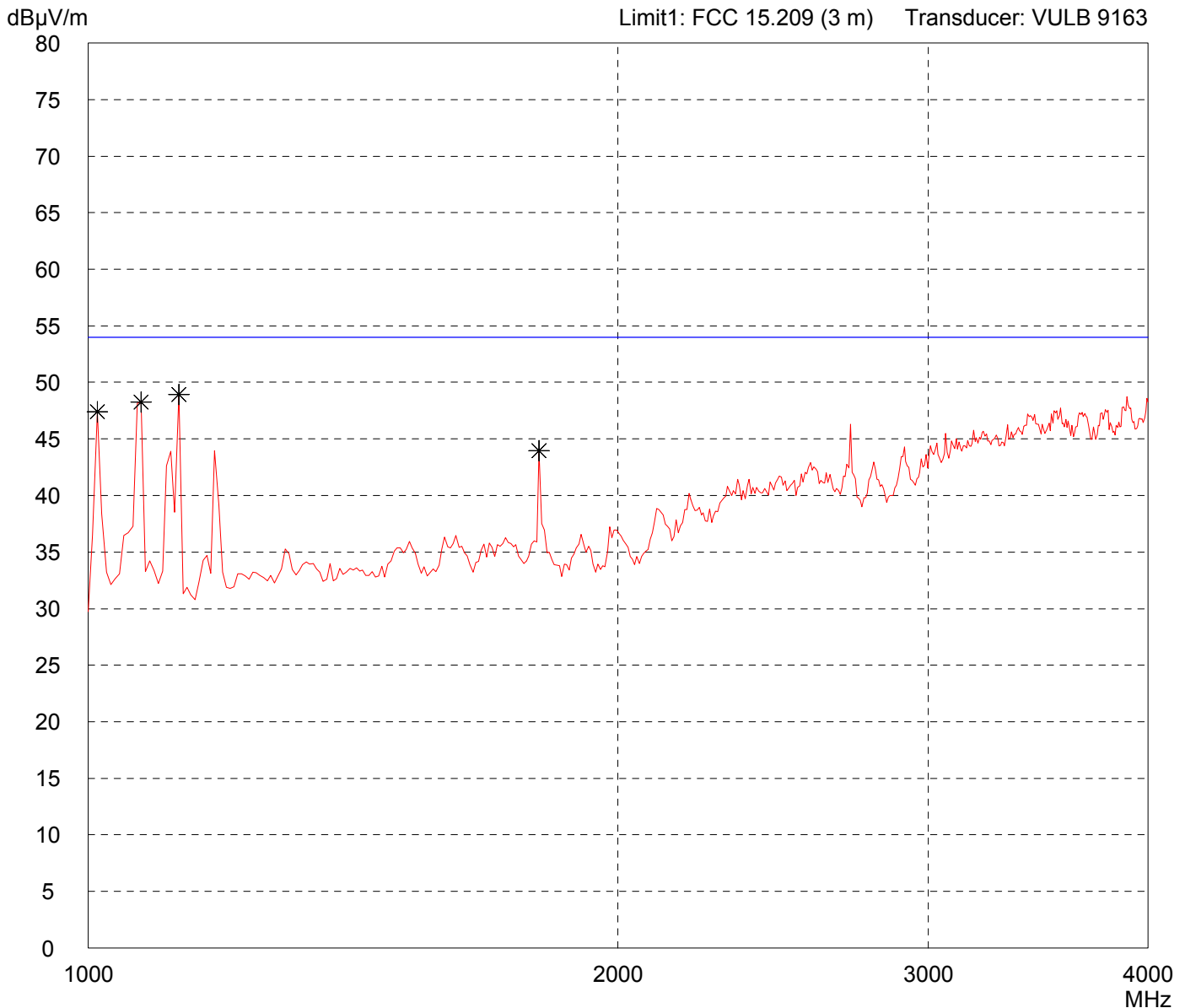
|                              |                                       |
|------------------------------|---------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084-2</b> |
|                              | Page    of    Pages                   |

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

|                                                                       |                                                                                                           |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC-4490LR-200M</b>                                       | Comment:<br>- TX Mode on Low Channel<br>- Antenna: S161AH-915R<br>- Notch Filter on Fundamental frequency |
| Serial no.:                                                           |                                                                                                           |
| 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>07/13/2007</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> |
|--------------------------|--------------------------------------------|



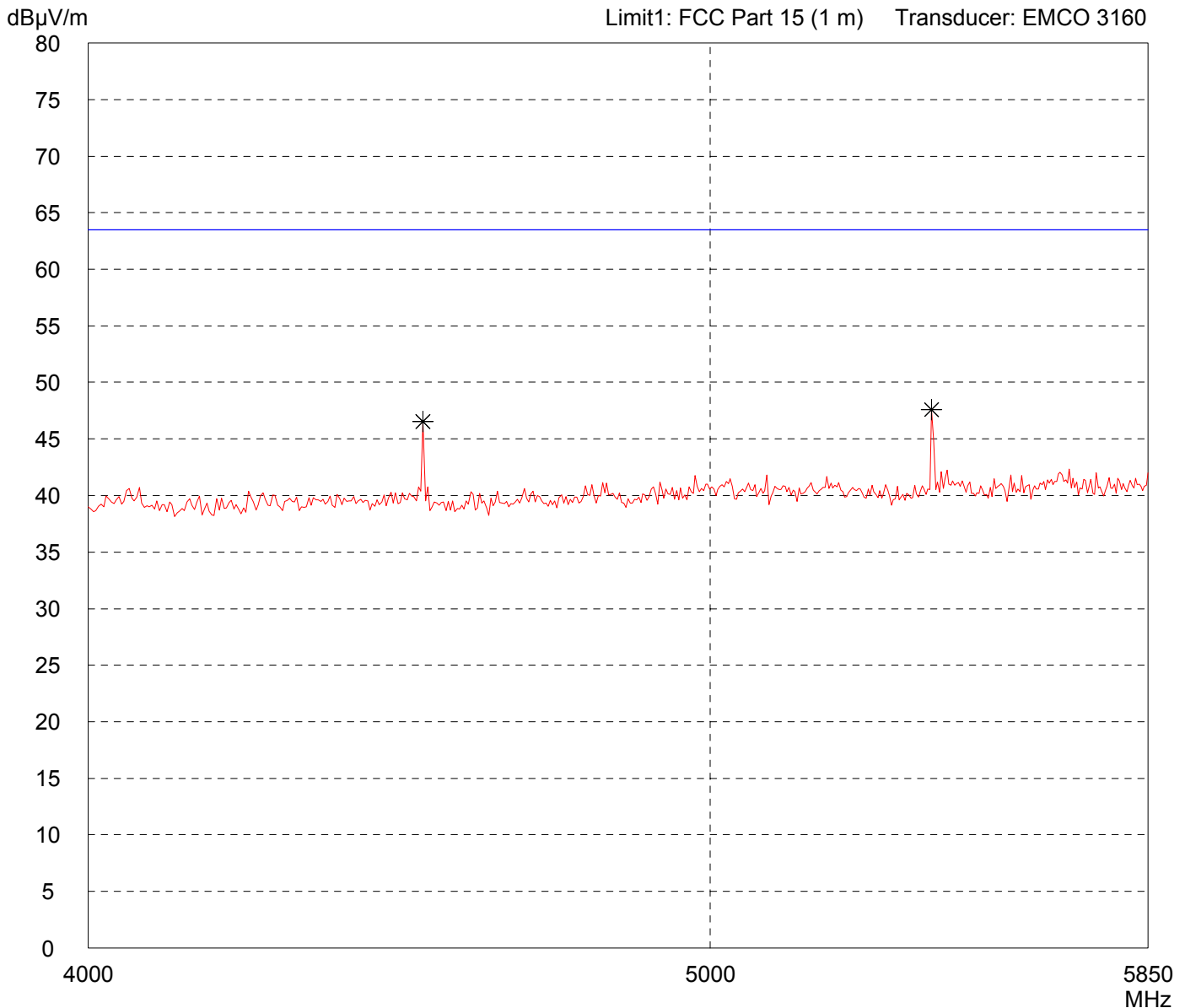
|                              |                                       |
|------------------------------|---------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084-2</b> |
|                              | Page    of    Pages                   |

# 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: S161AH-915R |
| 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> |
|--------------------------|--------------------------------------------|



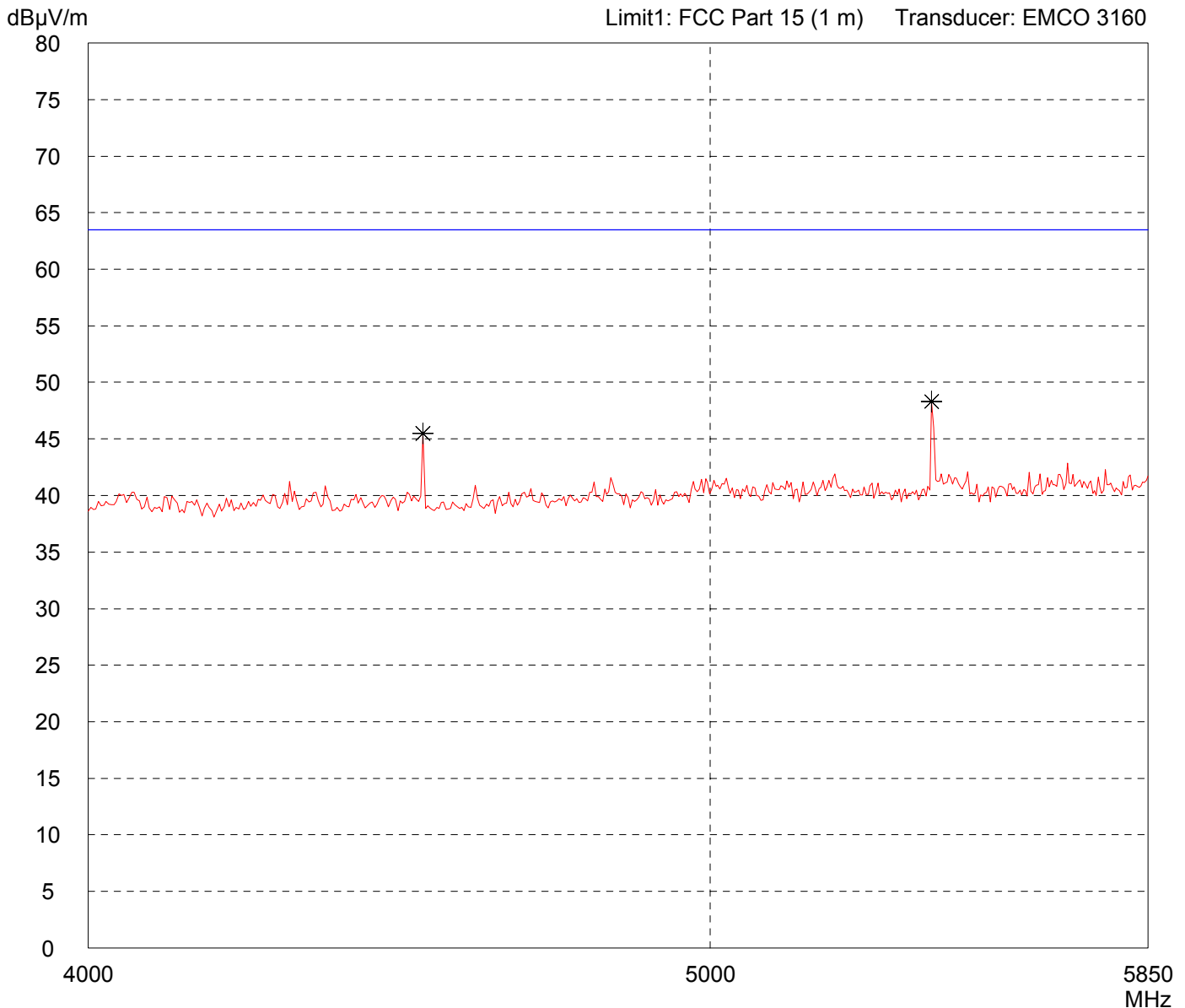
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

# Radiated Emission Test 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: S161AH-915R |
| 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>Selected by hand</b> |
|--------------------------|--------------------------------------------|



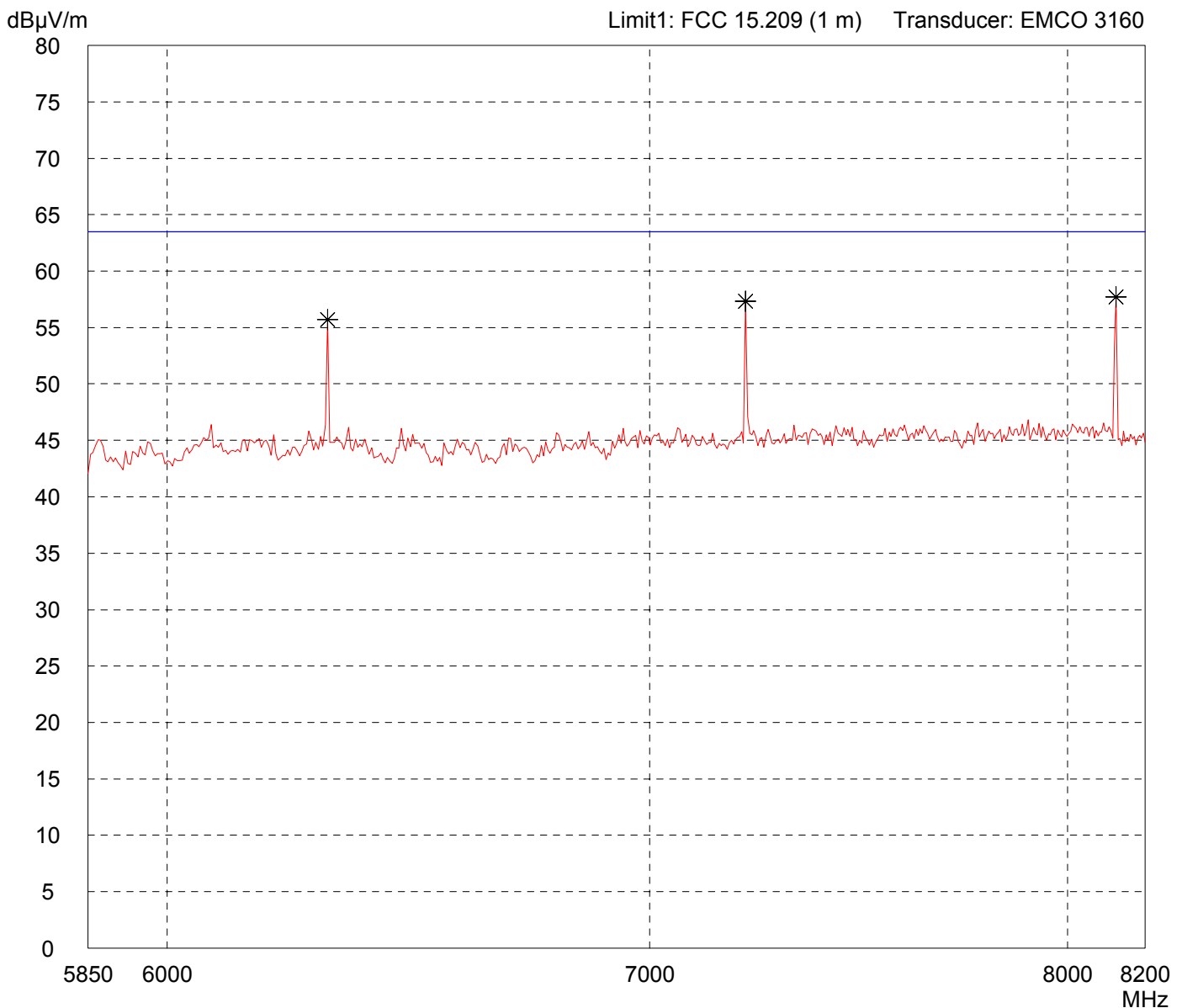
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

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

|                                                                        |                                                                                                           |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC-4490LR-200M</b>                                        | Comment:<br>- TX Mode on Low Channel<br>- Antenna: S161AH-915R<br>- Notch Filter on Fundamental frequency |
| Serial no.:                                                            |                                                                                                           |
| 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>07/13/2007</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>                    |



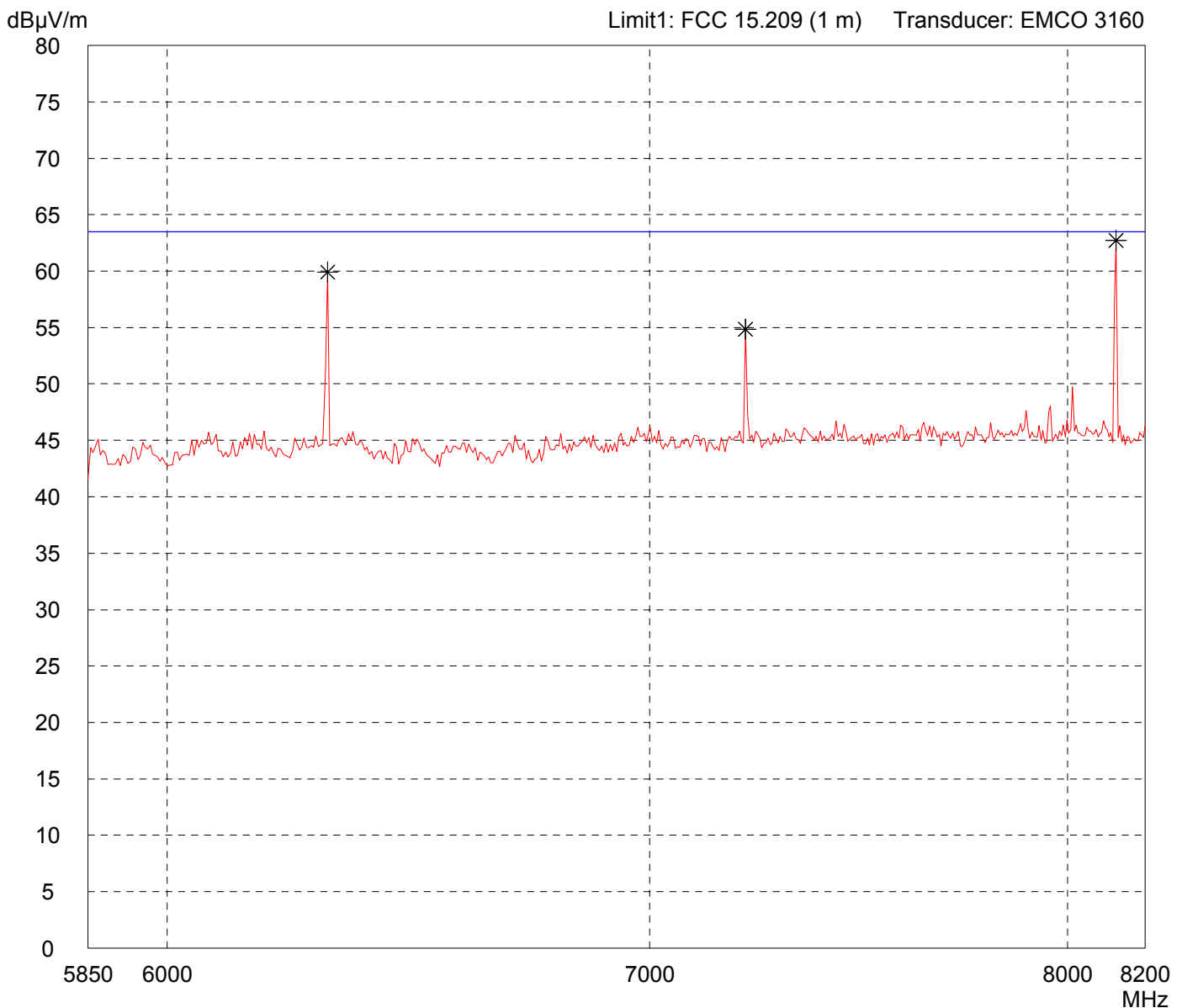
|                        |                                       |
|------------------------|---------------------------------------|
| Result:<br><b>Pass</b> | Project file:<br><b>56109-61084-2</b> |
|                        | Page    of    Pages                   |

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

|                                                                      |                                                                                                           |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC-4490LR-200M</b>                                      | Comment:<br>- TX Mode on Low Channel<br>- Antenna: S161AH-915R<br>- Notch Filter on Fundamental frequency |
| Serial no.:                                                          |                                                                                                           |
| 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>07/13/2007</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>                    |



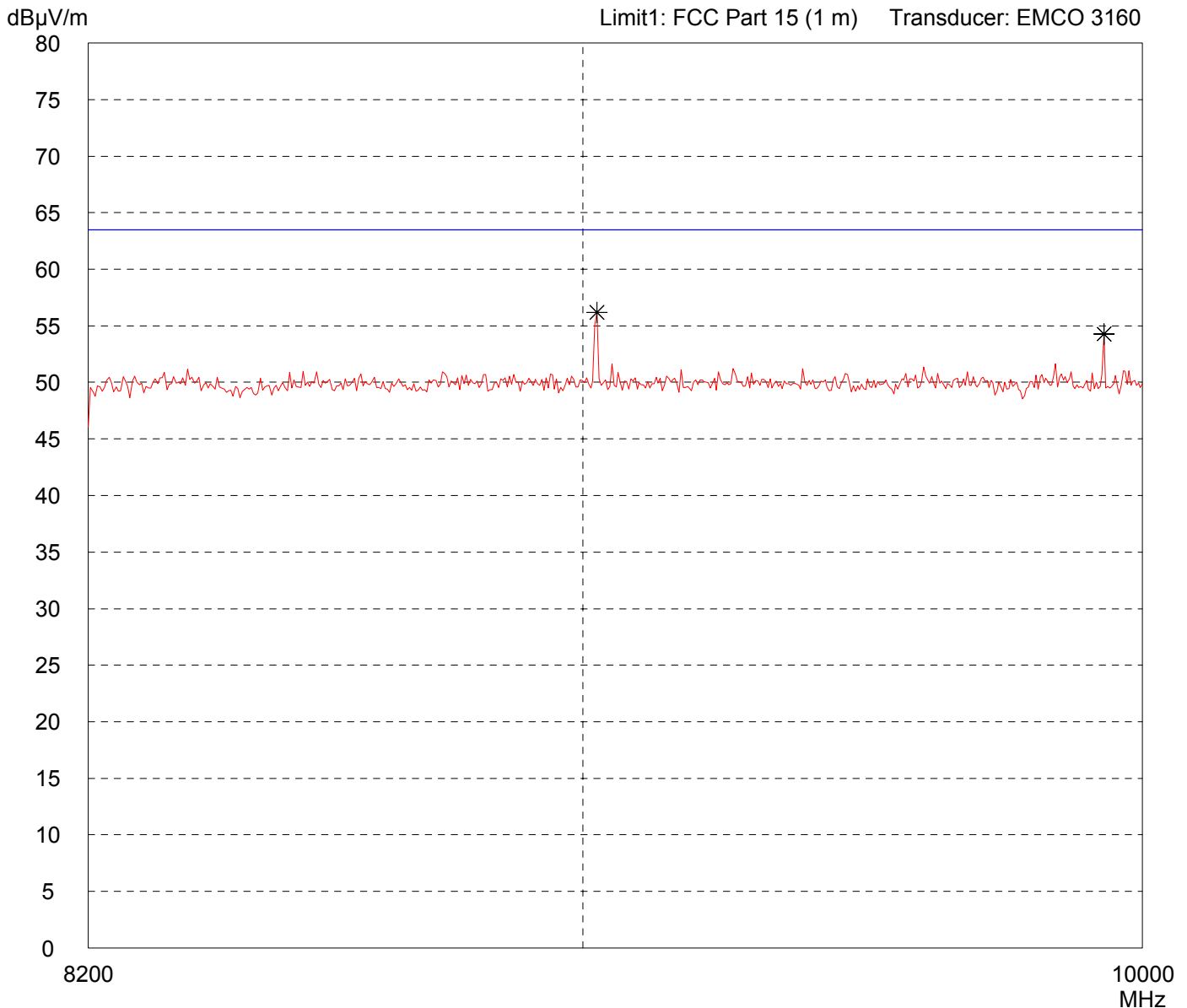
|                        |                                       |
|------------------------|---------------------------------------|
| Result:<br><b>Pass</b> | Project file:<br><b>56109-61084-2</b> |
|                        | Page    of    Pages                   |

# 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: S161AH-915R |
| 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> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

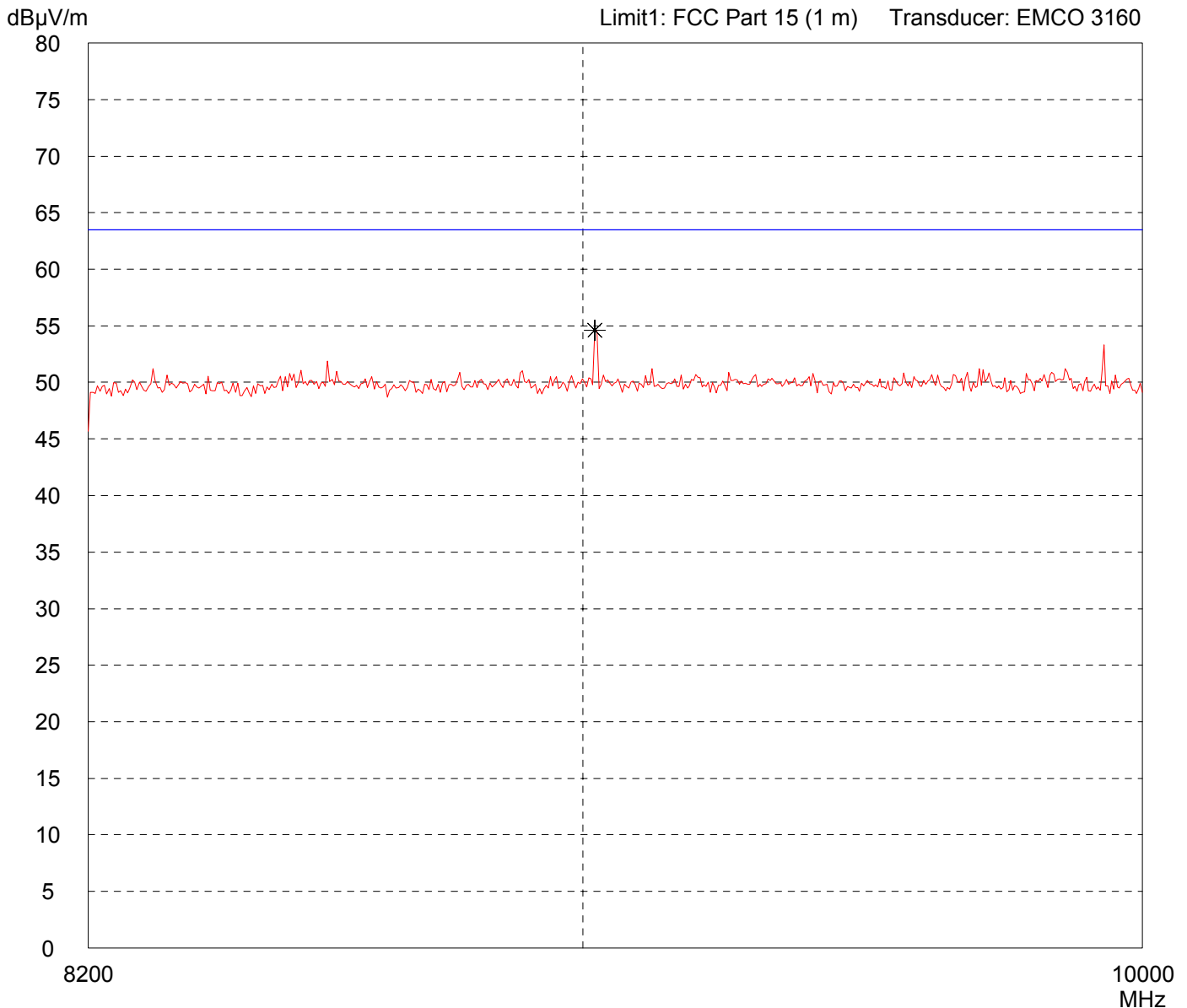


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|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

# 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: S161AH-915R |
| 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>                                 |

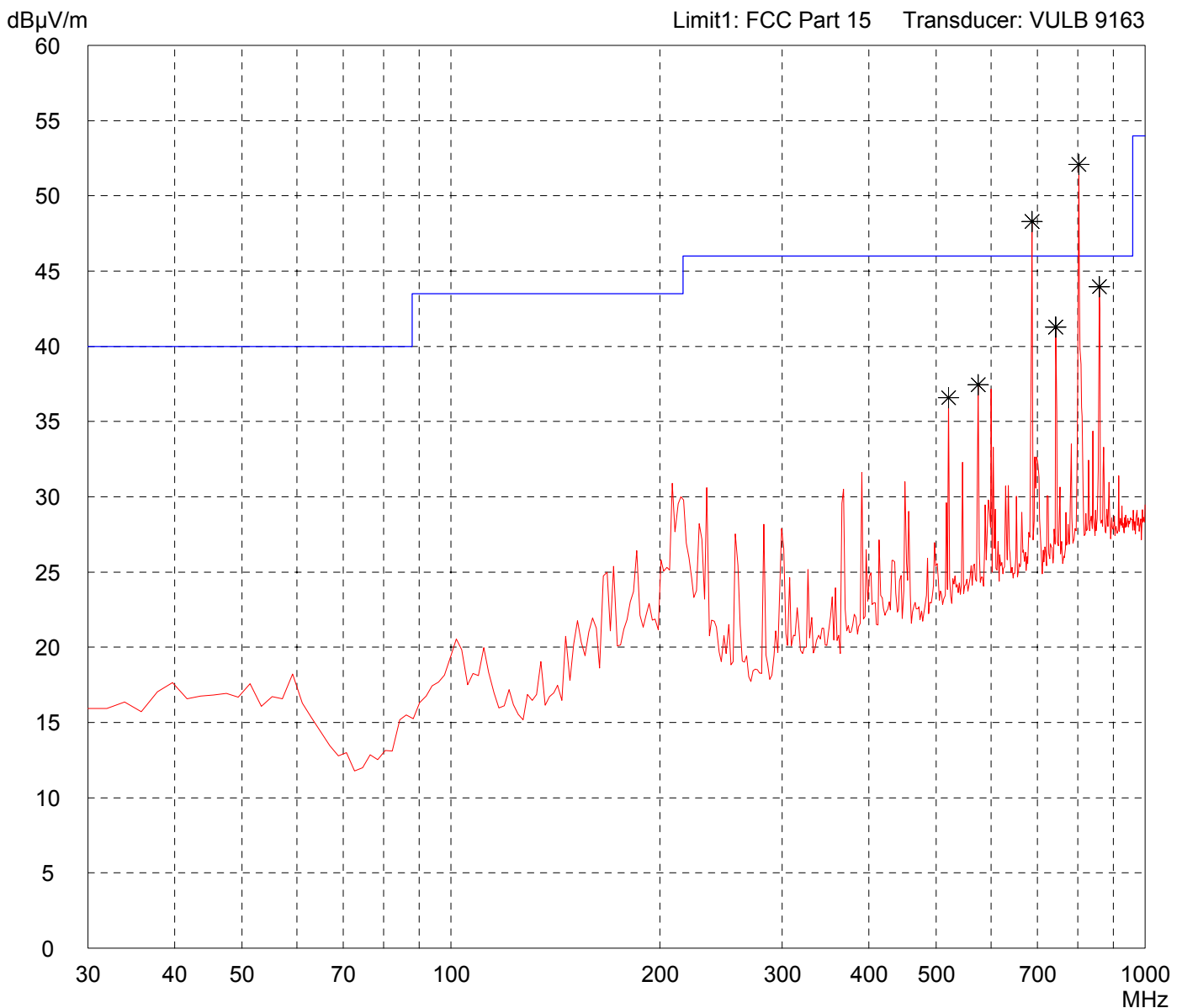
|                          |                                        |
|--------------------------|----------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>10 dB Margin</b> |
|                          | <b>50 Subranges</b>                    |



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

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

|                                                                         |                                  |                                                                                                                 |
|-------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                          |                                  | Comment:<br><br>- TX at 915.38 MHz<br><br>- Antenna: S161AH-915R<br><br>- Notch Filter at 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>01/30/2007</b>                                      | Operator:<br><b>A. Stübinger</b> | List of values:<br><b>10 dB Margin</b> <div style="float: right;"><b>50 Subranges</b></div>                     |
| Test performed:<br><b>automatically</b>                                 | File name:<br><b>default.emi</b> |                                                                                                                 |
| Detector:<br><b>Peak</b>                                                |                                  |                                                                                                                 |

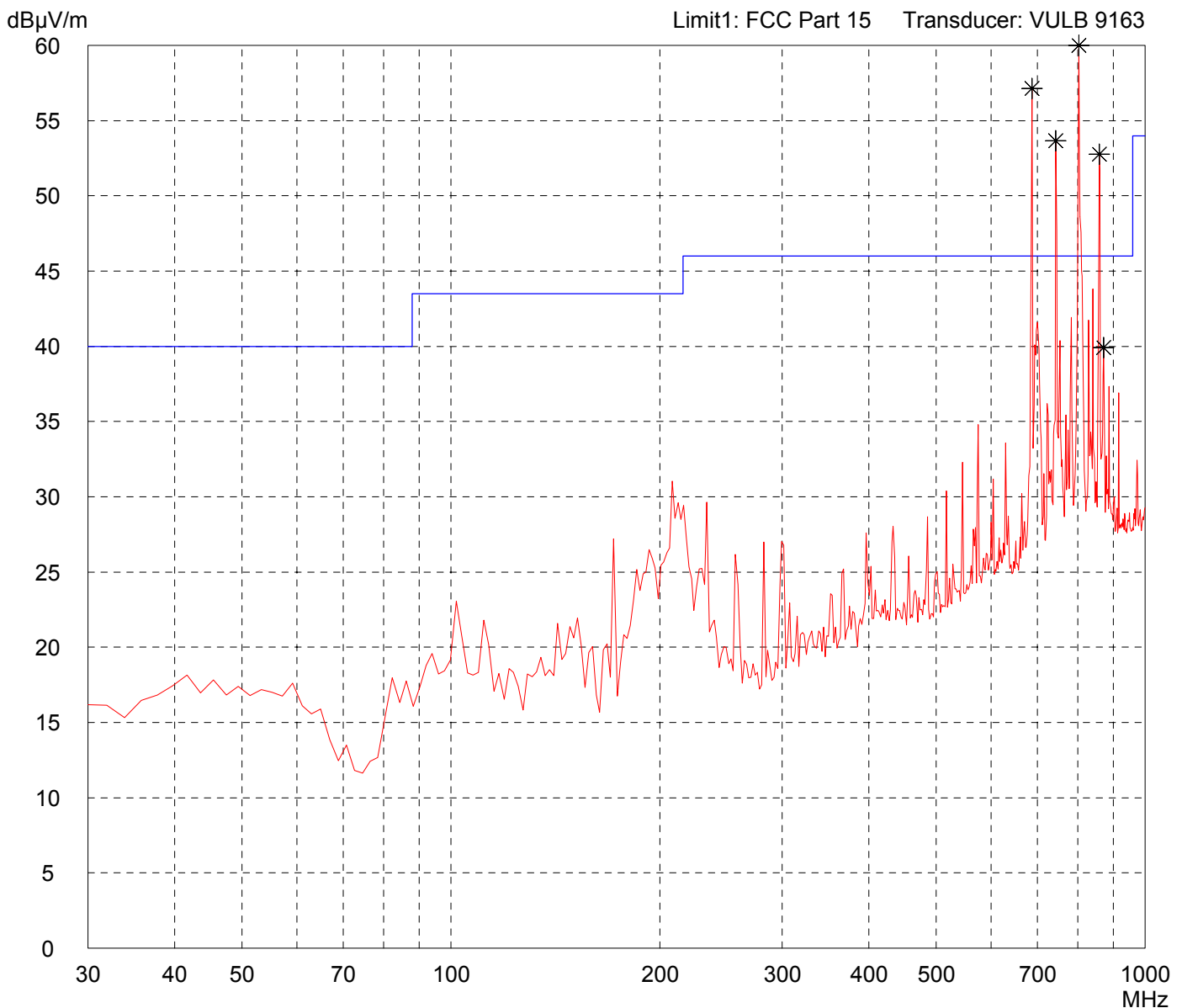


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|---------------------------|-------------------------------------|---------------------|
| Result:<br><b>Prescan</b> | Project file:<br><b>56109-61084</b> | Page    of    Pages |
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# Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

|                                                                       |                                                                                                                 |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                        | Comment:<br><br>- TX at 915.38 MHz<br><br>- Antenna: S161AH-915R<br><br>- Notch Filter at 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>01/30/2007</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>                    |

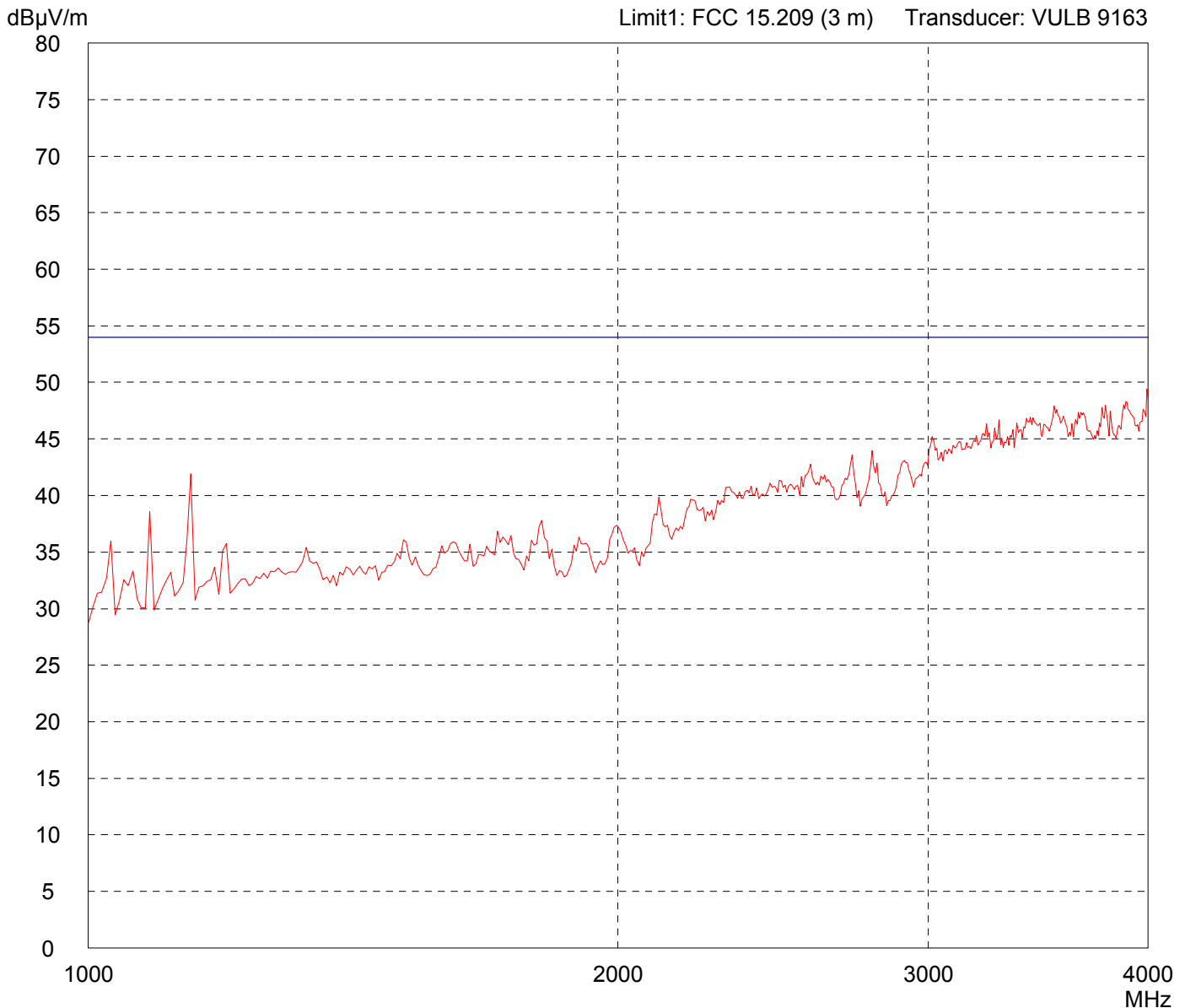


|                           |                                     |
|---------------------------|-------------------------------------|
| Result:<br><b>Prescan</b> | Project file:<br><b>56109-61084</b> |
|                           | Page    of    Pages                 |

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

|                                                                         |                                                                                                              |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC-4490LR-200M</b>                                         | Comment:<br>- TX Mode on Middle Channel<br>- Antenna: S161AH-915R<br>- Notch Filter on Fundamental frequency |
| Serial no.:                                                             |                                                                                                              |
| 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>07/13/2007</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> |
|--------------------------|--------------------------------------------|

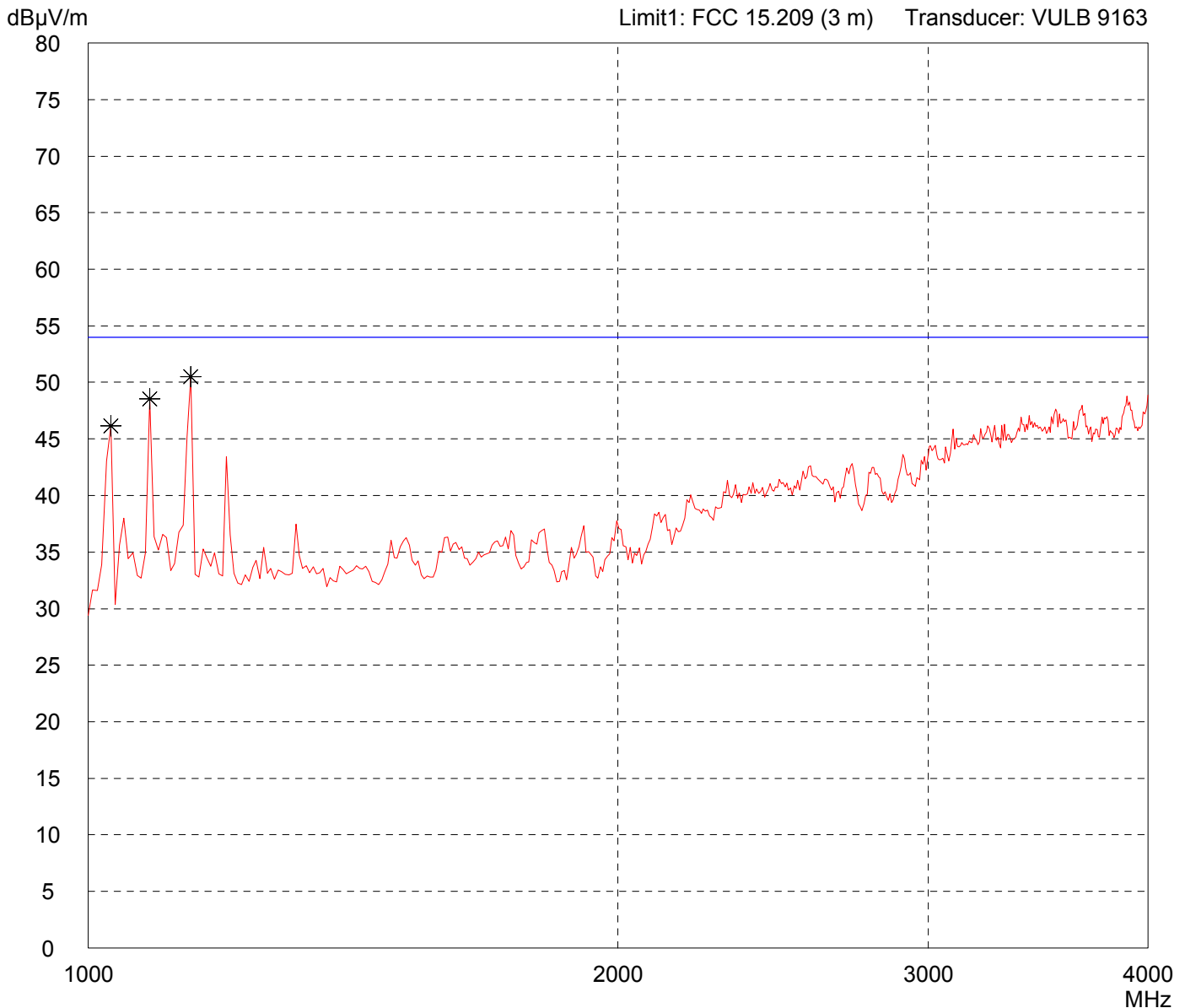


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|------------------------------|---------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084-2</b> |
|                              | Page    of    Pages                   |

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

|                                                                       |                                                                                                              |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC-4490LR-200M</b>                                       | Comment:<br>- TX Mode on Middle Channel<br>- Antenna: S161AH-915R<br>- Notch Filter on Fundamental frequency |
| Serial no.:                                                           |                                                                                                              |
| 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>07/13/2007</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> |
|--------------------------|--------------------------------------------|



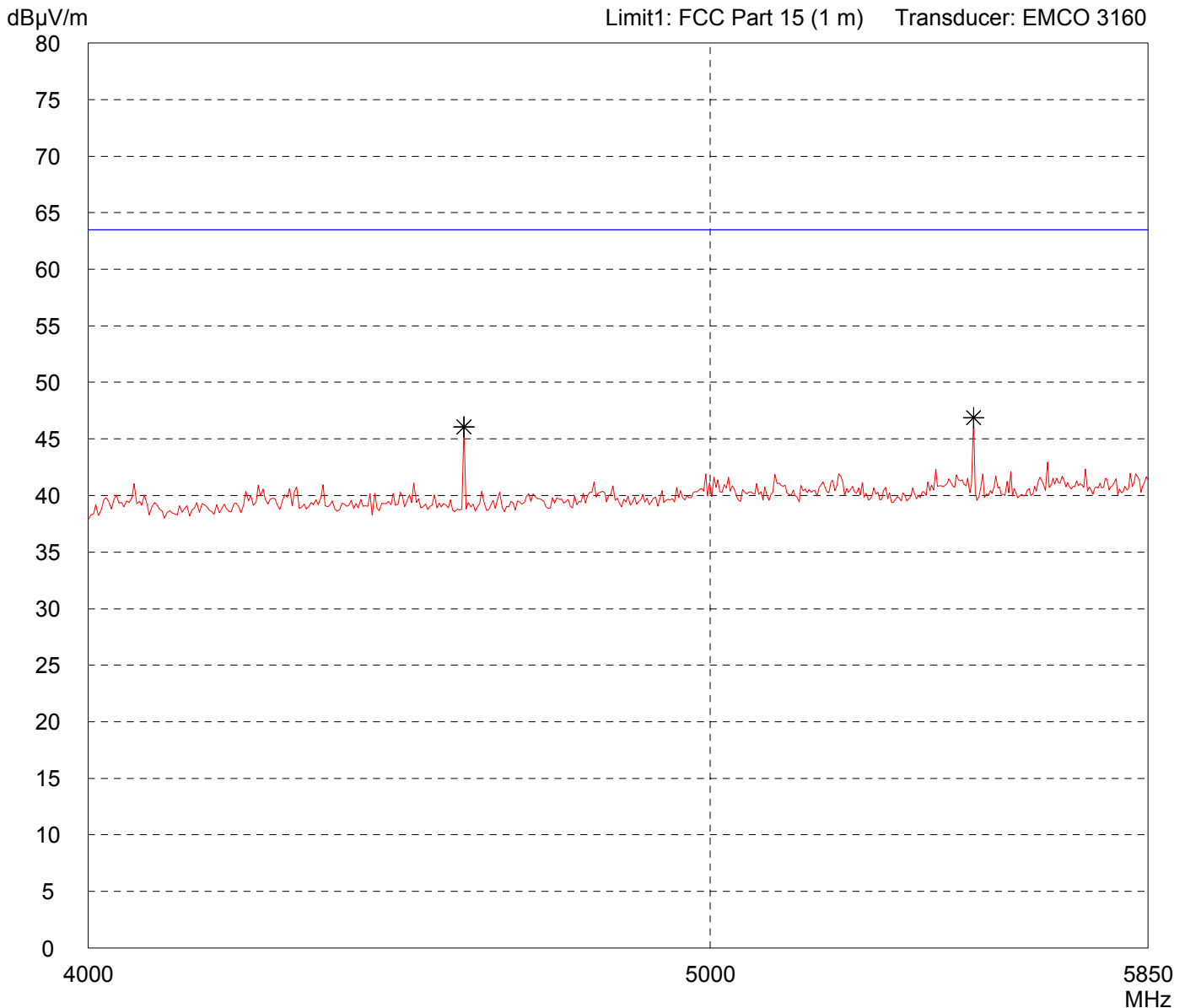
|                              |                                       |
|------------------------------|---------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084-2</b> |
|                              | Page    of    Pages                   |

# 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: S161AH-915R |
| 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><b>Selected by hand</b> |
|--------------------------|--------------------------------------------|



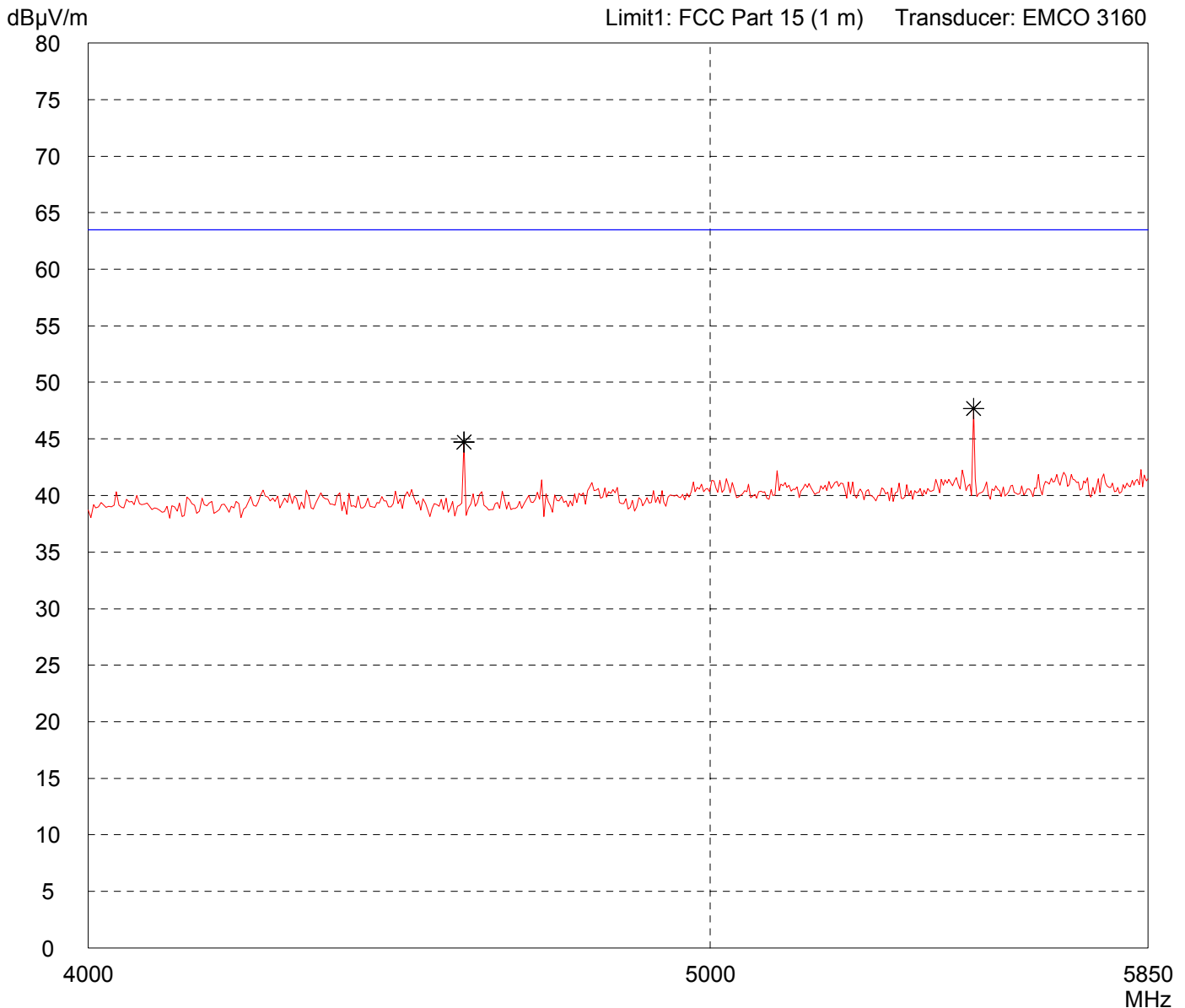
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|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

# 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: S161AH-915R |
| 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>Selected by hand</b> |
|--------------------------|--------------------------------------------|



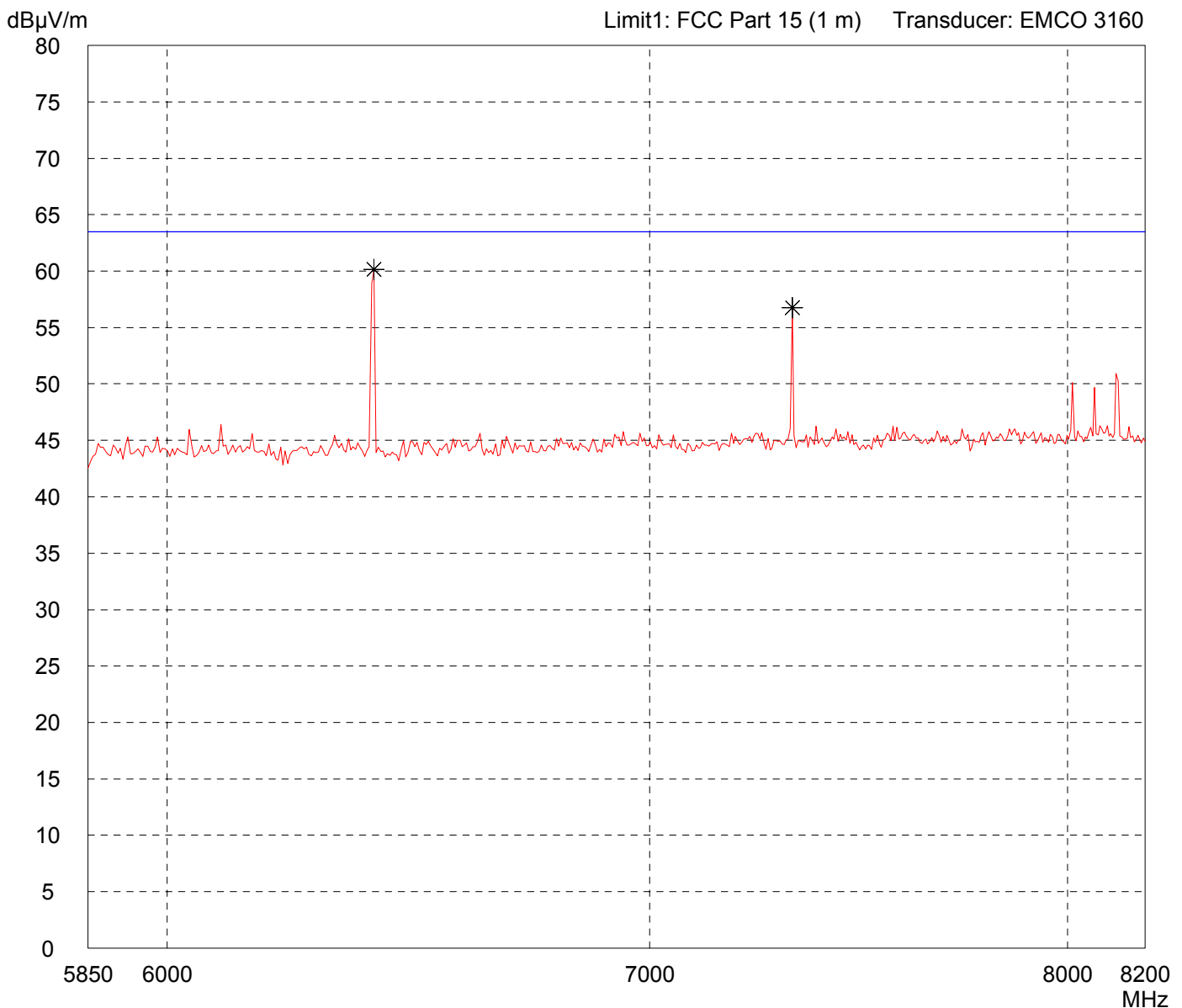
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|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

# 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: S161AH-915R |
| 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>                    |



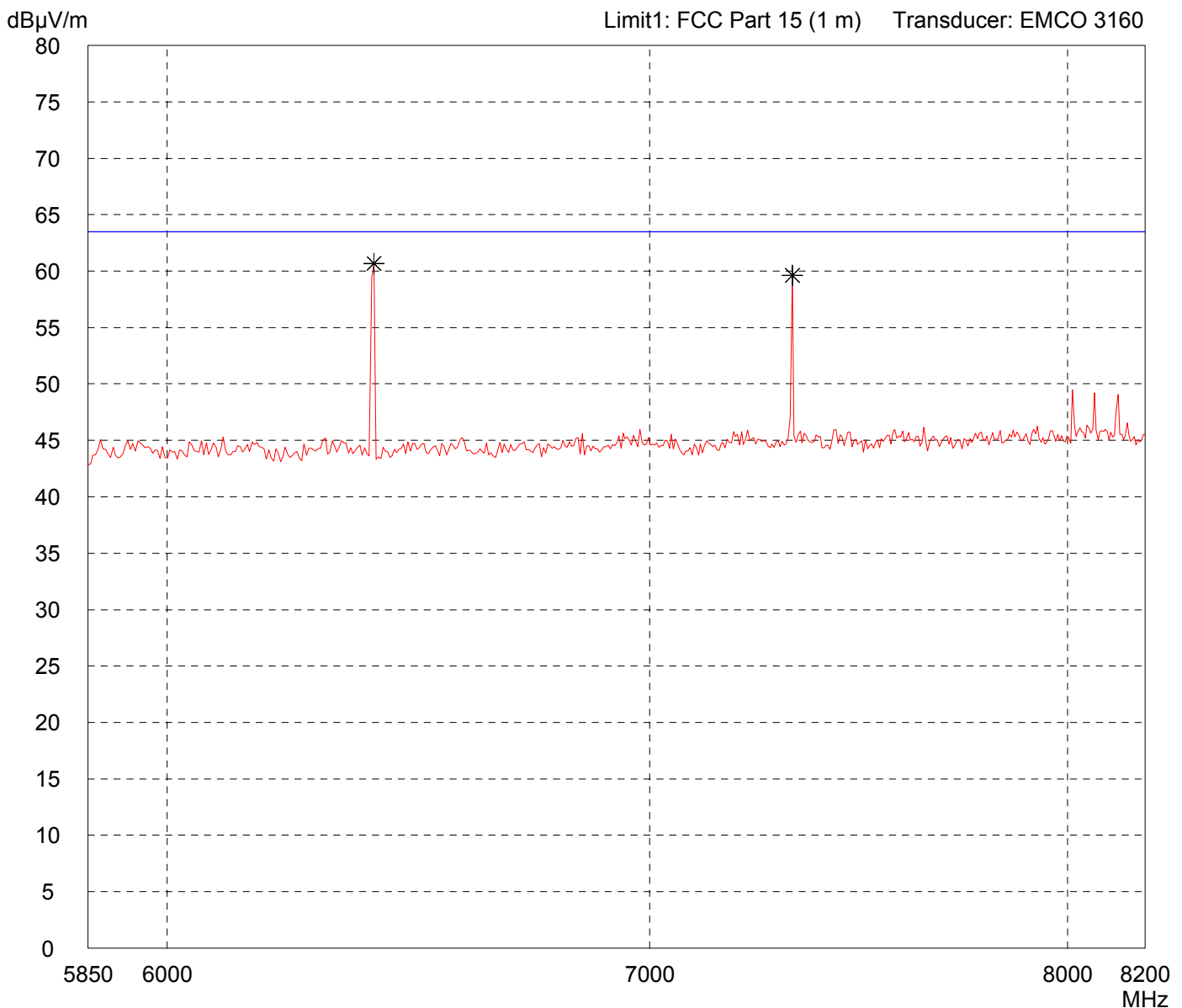
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|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

# 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: S161AH-915R |
| 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>                    |

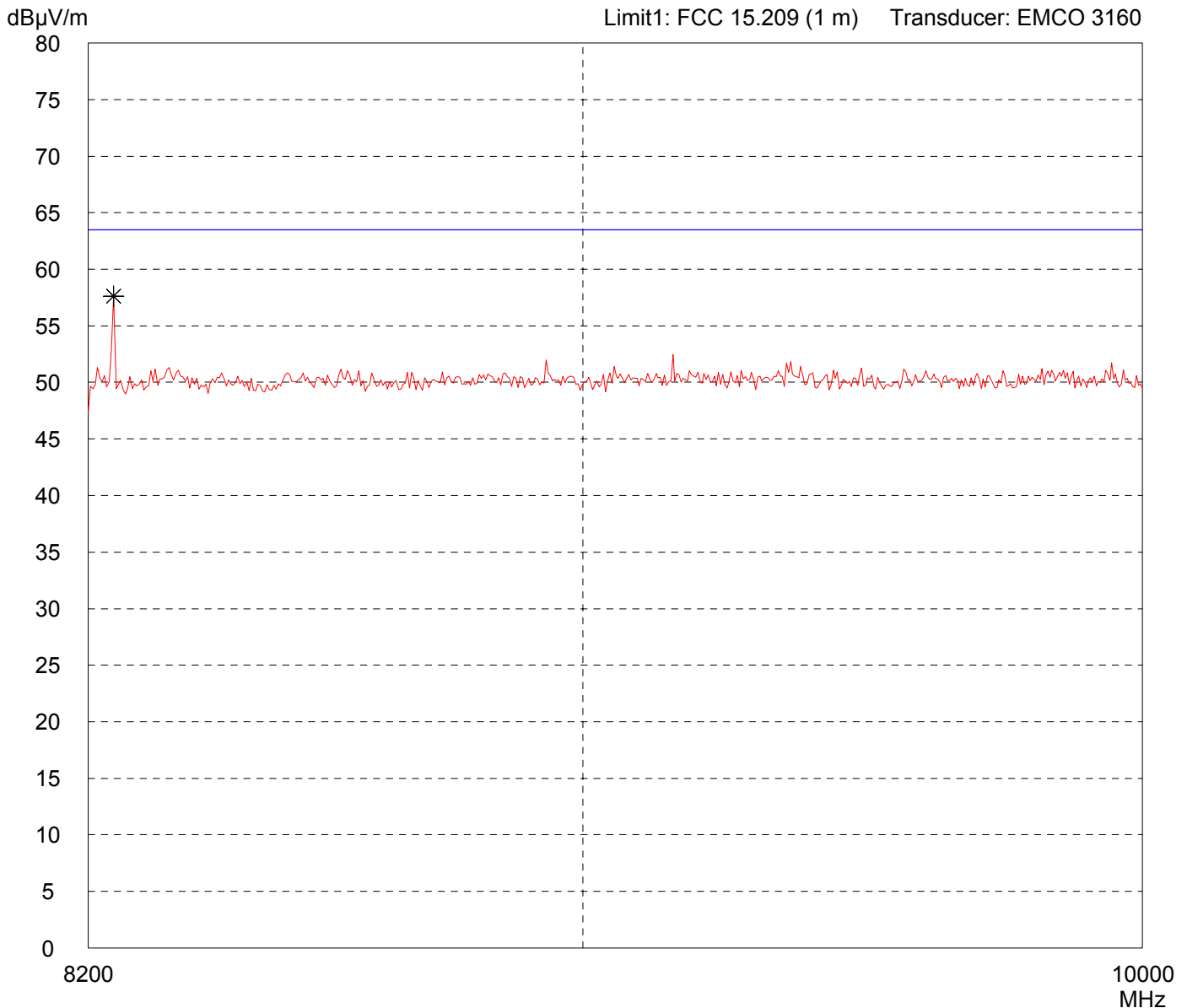


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|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

# Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

|                                                                        |                                  |                                                                                                                          |
|------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC-4490LR-200M</b>                                        |                                  | Comment:<br><br>- TX Mode on Middle Channel<br><br>- Antenna: S161AH-915R<br><br>- Notch Filter on Fundamental frequency |
| Serial no.:                                                            |                                  |                                                                                                                          |
| 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>07/13/2007</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                      50 Subranges</b> |
|--------------------------|--------------------------------------------------------------------------|

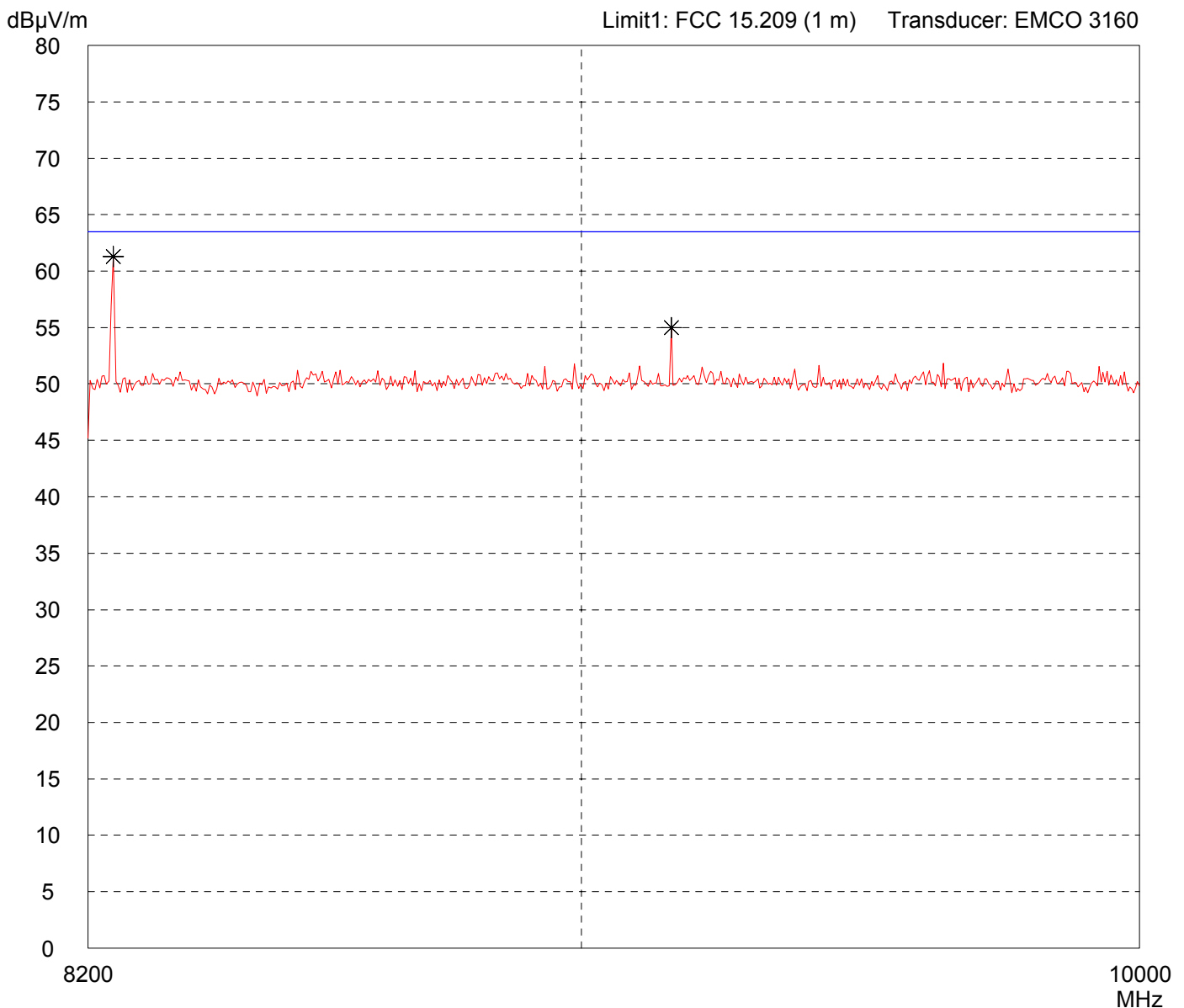


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|------------------------------|---------------------------------------|---------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084-2</b> | Page    of    Pages |
|------------------------------|---------------------------------------|---------------------|

# Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

|                                                                      |                                  |                                                                                                                          |
|----------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC-4490LR-200M</b>                                      |                                  | Comment:<br><br>- TX Mode on Middle Channel<br><br>- Antenna: S161AH-915R<br><br>- Notch Filter on Fundamental frequency |
| Serial no.:                                                          |                                  |                                                                                                                          |
| 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>07/13/2007</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> |
|--------------------------|----------------------------------------|---------------------|

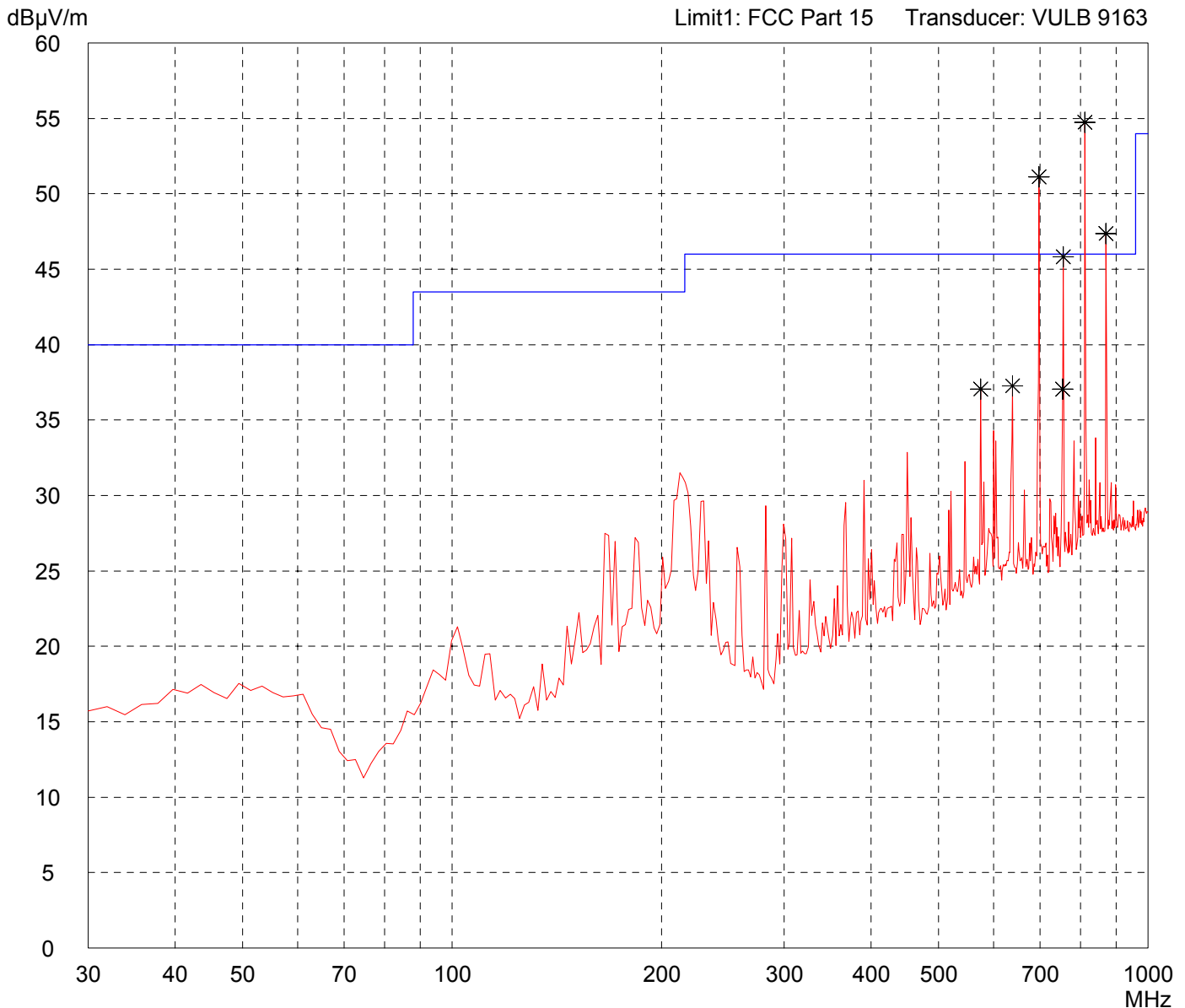


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|------------------------------|---------------------------------------|---------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084-2</b> | Page    of    Pages |
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# Radiated Emission Test 30 MHz - 1 GHz acc. to FCC Part 15 (Fully Anechoic Chamber)

|                                                                         |                                                                                                    |
|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                          | Comment:<br>- TX at 927.5 MHz<br>- Antenna: S161AH-915R<br>- Notch Filter at 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>01/30/2007</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> <div style="text-align: right;"><b>50 Subranges</b></div> |
|--------------------------|--------------------------------------------------------------------------------------------------|

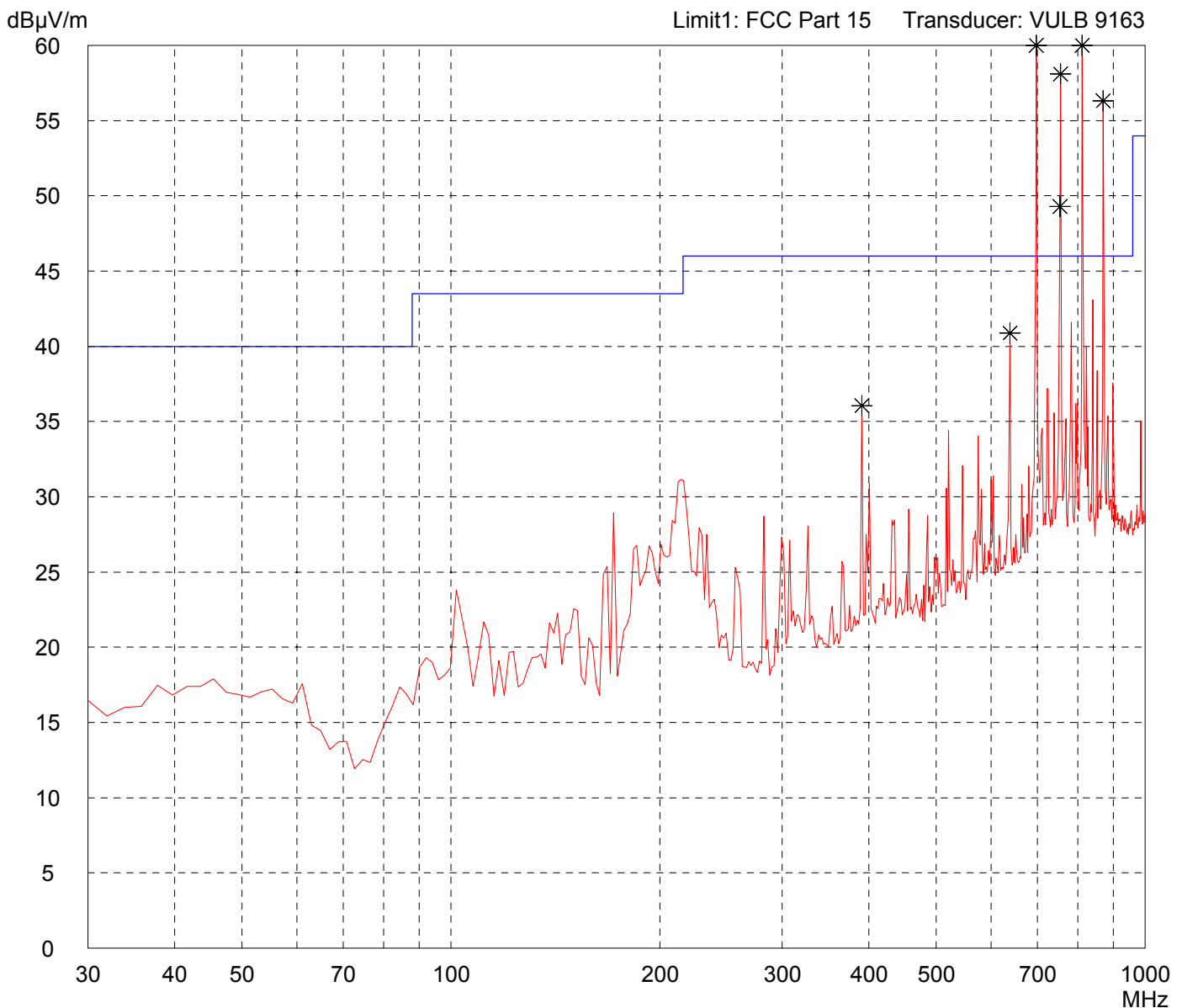


|                           |                                     |
|---------------------------|-------------------------------------|
| Result:<br><b>Prescan</b> | Project file:<br><b>56109-61084</b> |
|                           | Page    of    Pages                 |

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

|                                                                       |                                                                                                    |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                        | Comment:<br>- TX at 927.5 MHz<br>- Antenna: S161AH-915R<br>- Notch Filter at 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>01/30/2007</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> <div style="text-align: right;"><b>50 Subranges</b></div> |
|--------------------------|--------------------------------------------------------------------------------------------------|



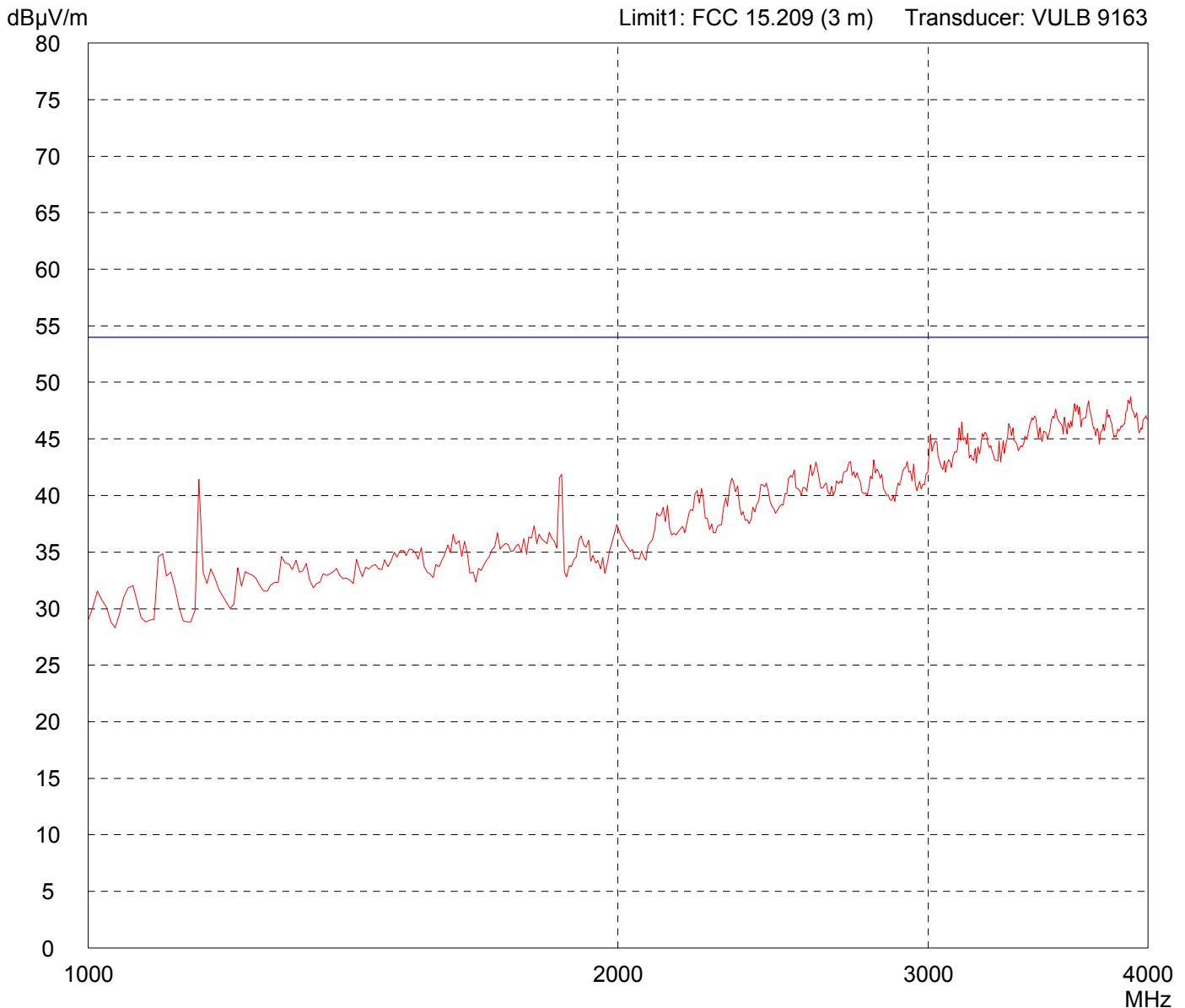
|                           |                                     |
|---------------------------|-------------------------------------|
| Result:<br><b>Prescan</b> | Project file:<br><b>56109-61084</b> |
|                           | Page    of    Pages                 |

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

|                                                                         |                                                                                                            |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC-4490LR-200M</b>                                         | Comment:<br>- TX Mode on High Channel<br>- Antenna: S161AH-915R<br>- Notch Filter on Fundamental frequency |
| Serial no.:                                                             |                                                                                                            |
| 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>07/13/2007</b>                                      | Operator:<br><b>J. Roidt</b>                                                                               |
| Test performed:<br><b>automatically</b>                                 | File name:<br><b>default.emi</b>                                                                           |

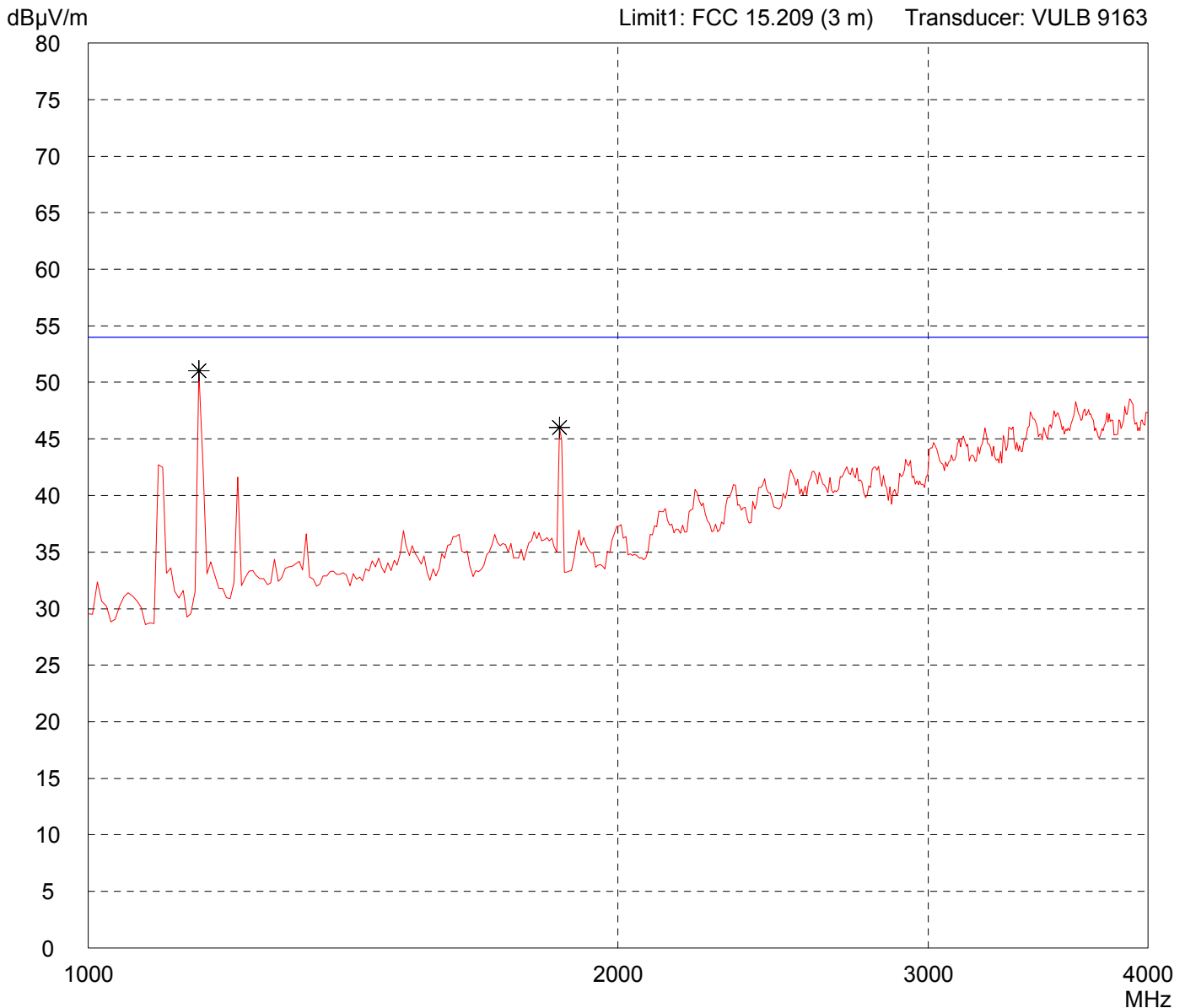
|                          |                                            |
|--------------------------|--------------------------------------------|
| Detector:<br><b>Peak</b> | List of values:<br><b>Selected by hand</b> |
|--------------------------|--------------------------------------------|



|                              |                                       |
|------------------------------|---------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084-2</b> |
|                              | Page    of    Pages                   |

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

|                                                                       |                                  |                                                                                                                        |
|-----------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC-4490LR-200M</b>                                       |                                  | Comment:<br><br>- TX Mode on High Channel<br><br>- Antenna: S161AH-915R<br><br>- Notch Filter on Fundamental frequency |
| Serial no.:                                                           |                                  |                                                                                                                        |
| 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>07/13/2007</b>                                    | Operator:<br><b>J. Roidt</b>     | List of values:<br><b>Selected by hand</b>                                                                             |
| Test performed:<br><b>automatically</b>                               | File name:<br><b>default.emi</b> |                                                                                                                        |
| Detector:<br><b>Peak</b>                                              |                                  |                                                                                                                        |



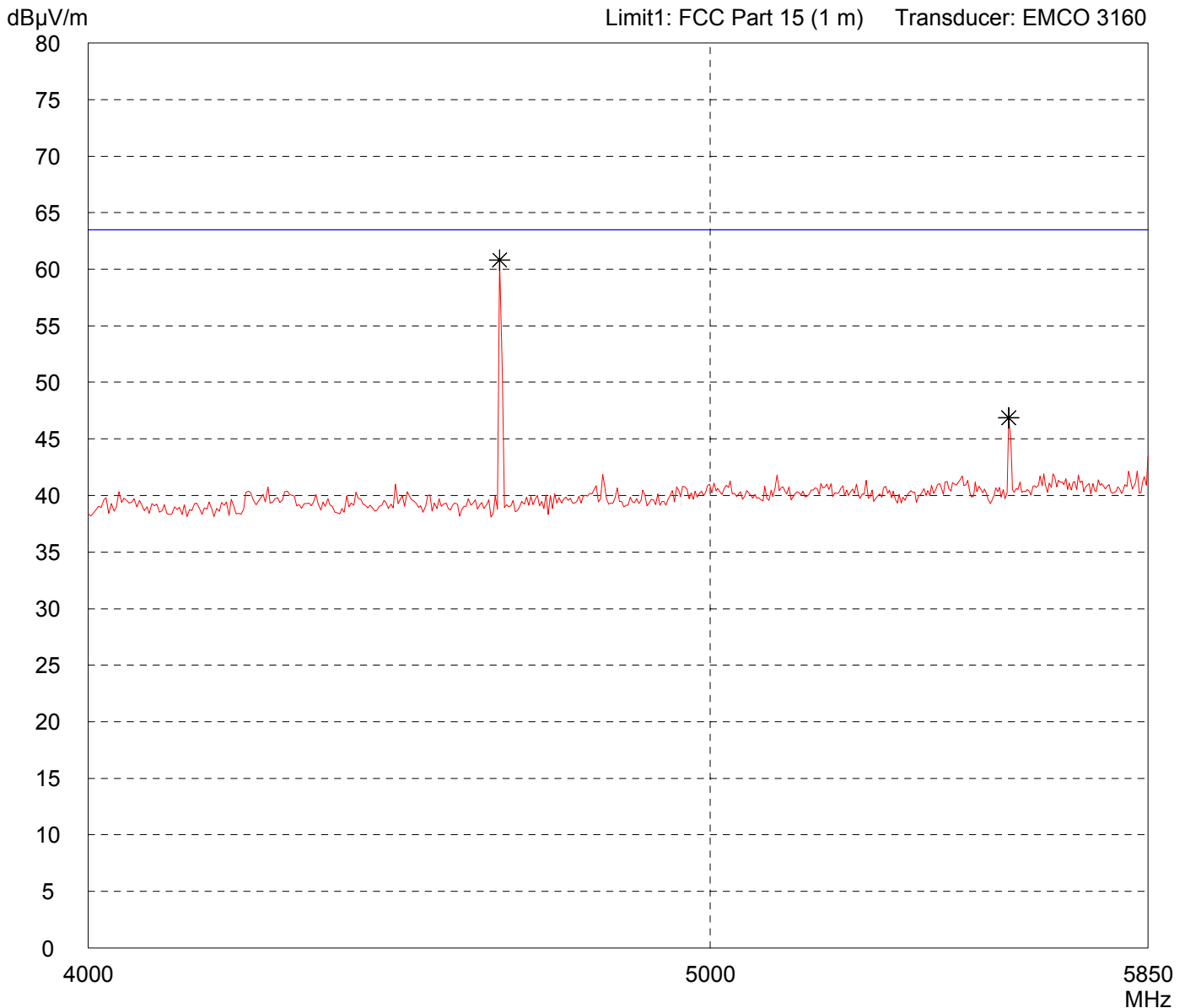
|                              |                                       |                     |
|------------------------------|---------------------------------------|---------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084-2</b> | Page    of    Pages |
|------------------------------|---------------------------------------|---------------------|

# 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: S161AH-915R |
| 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> |
|--------------------------|--------------------------------------------|



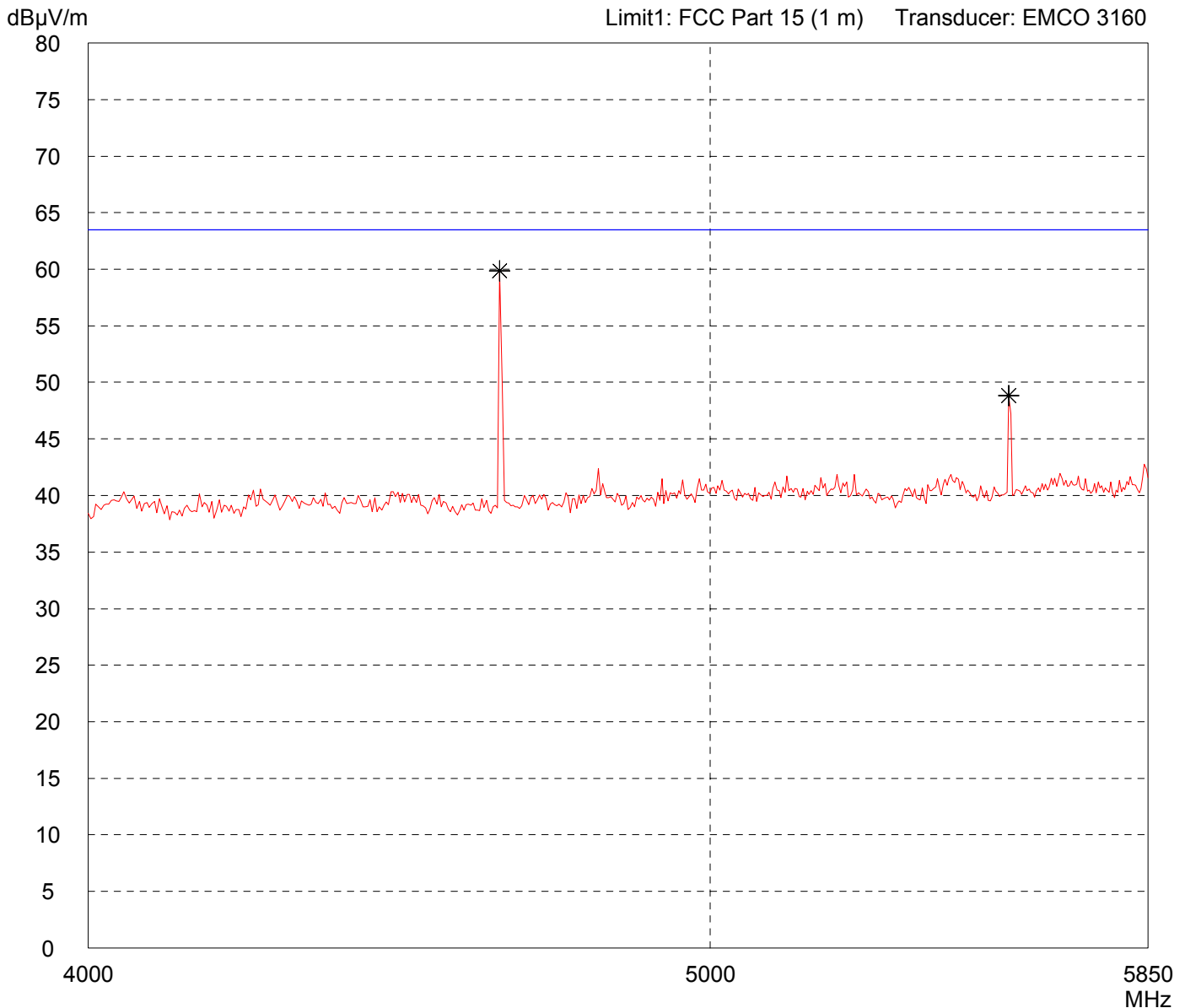
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

# Radiated Emission Test 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: S161AH-915R |
| 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>Selected by hand</b> |
|--------------------------|--------------------------------------------|



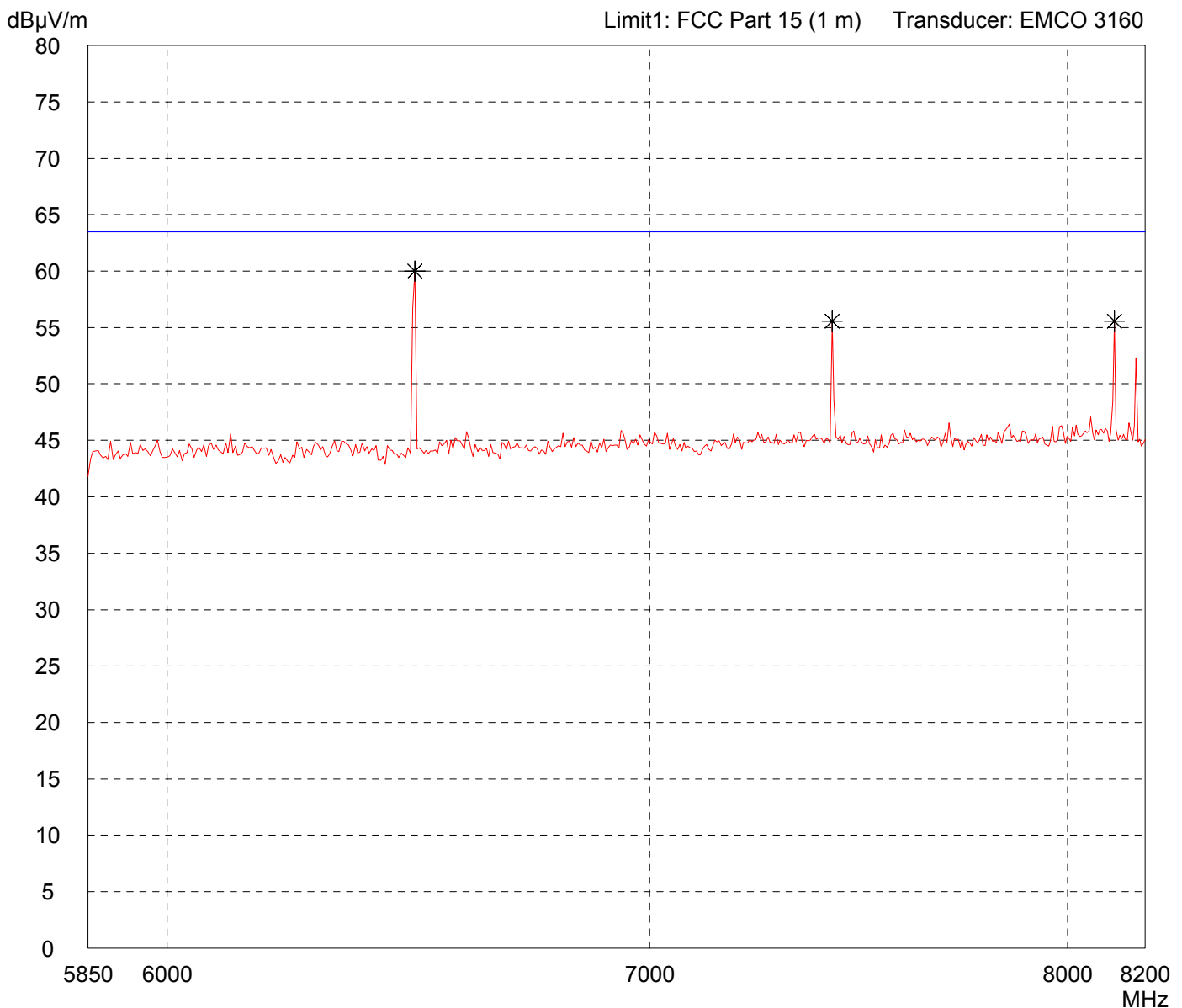
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

# 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: S161AH-915R |
| 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><b>10 dB Margin</b> |
|                          | <b>50 Subranges</b>                    |

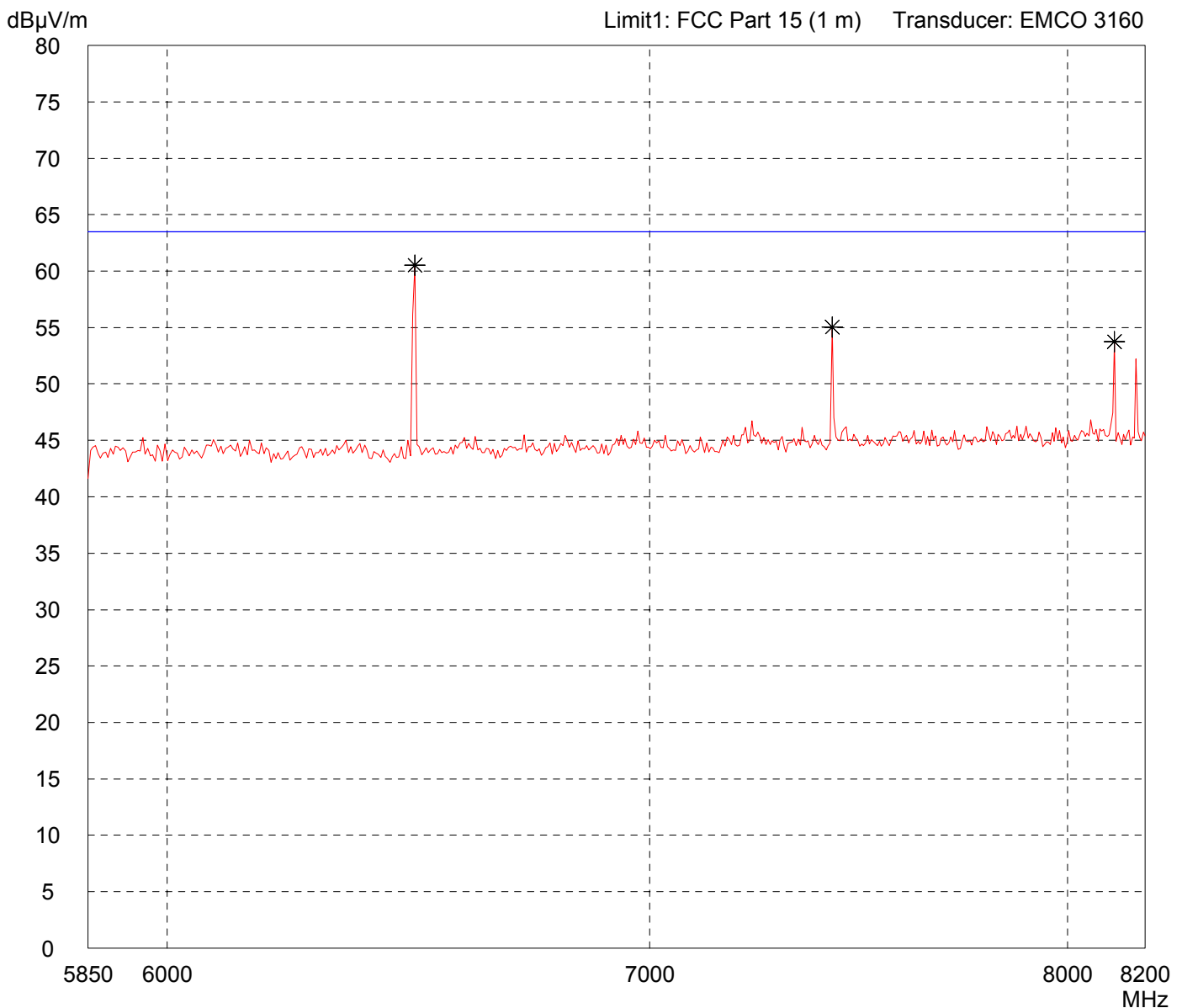


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|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

# 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: S161AH-915R |
| 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>                    |

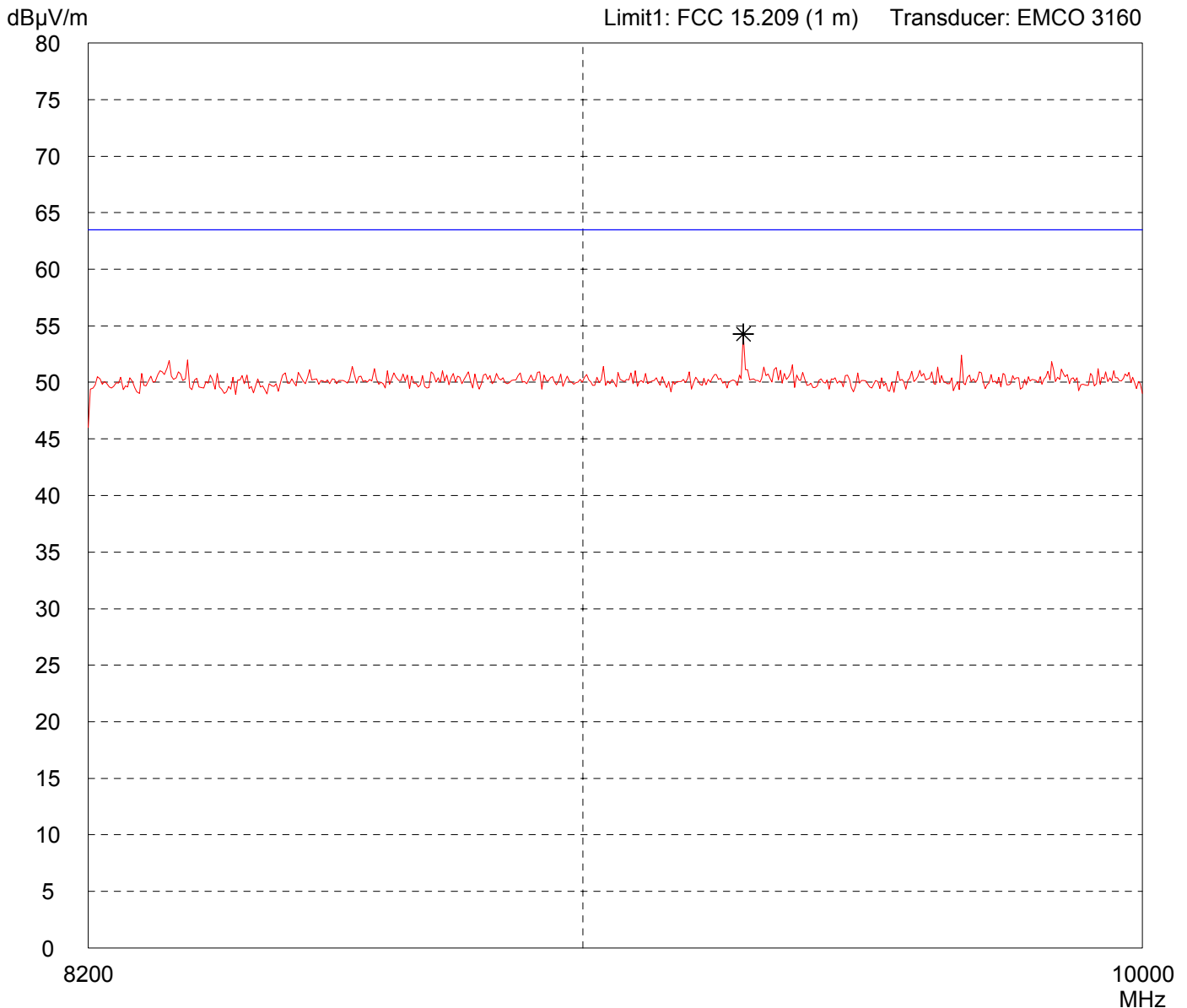


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|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

# Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

|                                                                        |                                                                                                            |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC-4490LR-200M</b>                                        | Comment:<br>- TX Mode on High Channel<br>- Antenna: S161AH-915R<br>- Notch Filter on Fundamental frequency |
| Serial no.:                                                            |                                                                                                            |
| 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>07/13/2007</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> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

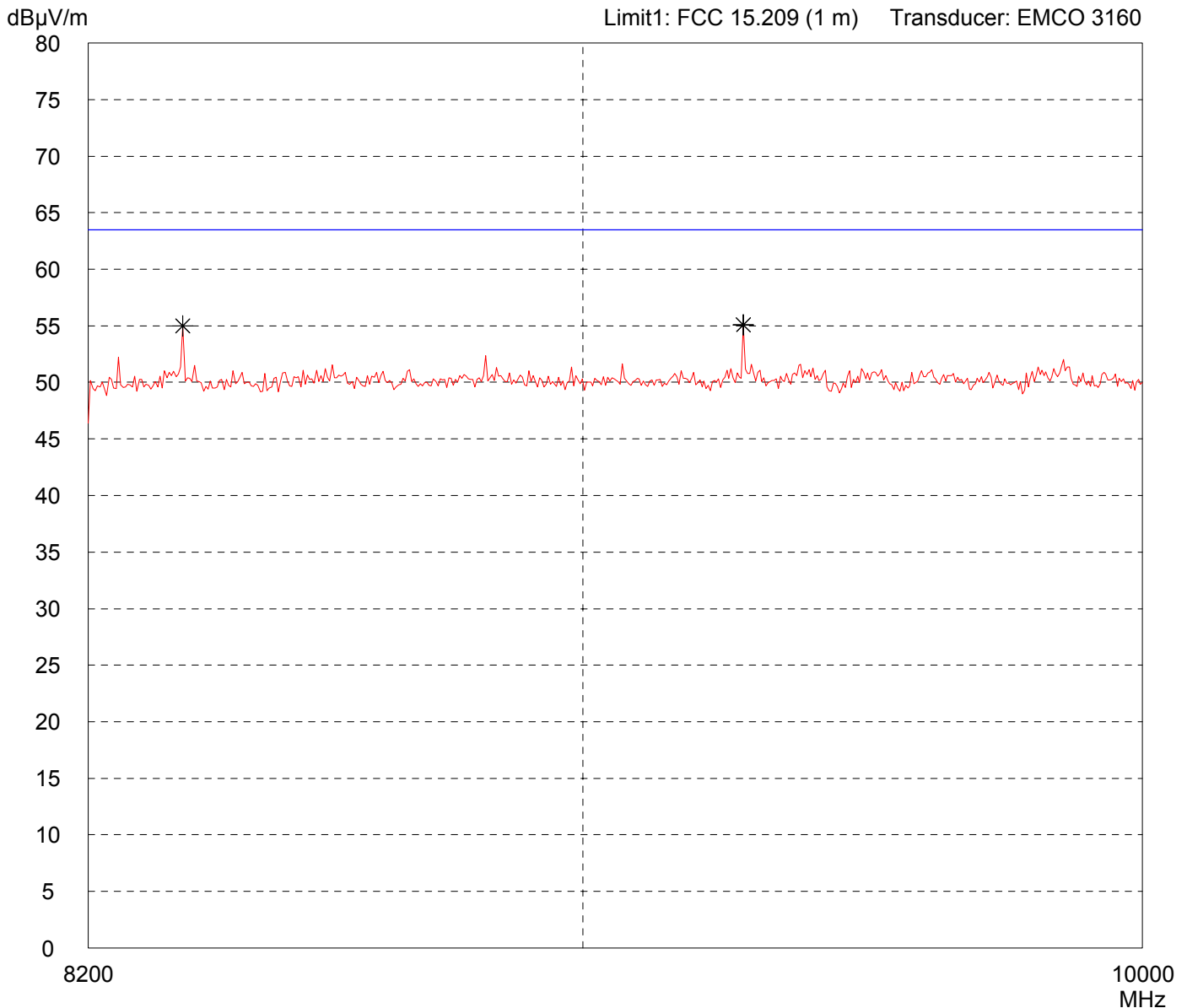


|                              |                                       |
|------------------------------|---------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084-2</b> |
|                              | Page      of      Pages               |

# Radiated Emission Test 8.2 GHz - 10 GHz acc. to FCC Part 15 Subpart C (FAR)

|                                                                      |                                  |                                                                                                                        |
|----------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Model:<br><b>AC-4490LR-200M</b>                                      |                                  | Comment:<br><br>- TX Mode on High Channel<br><br>- Antenna: S161AH-915R<br><br>- Notch Filter on Fundamental frequency |
| Serial no.:                                                          |                                  |                                                                                                                        |
| 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>07/13/2007</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> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|



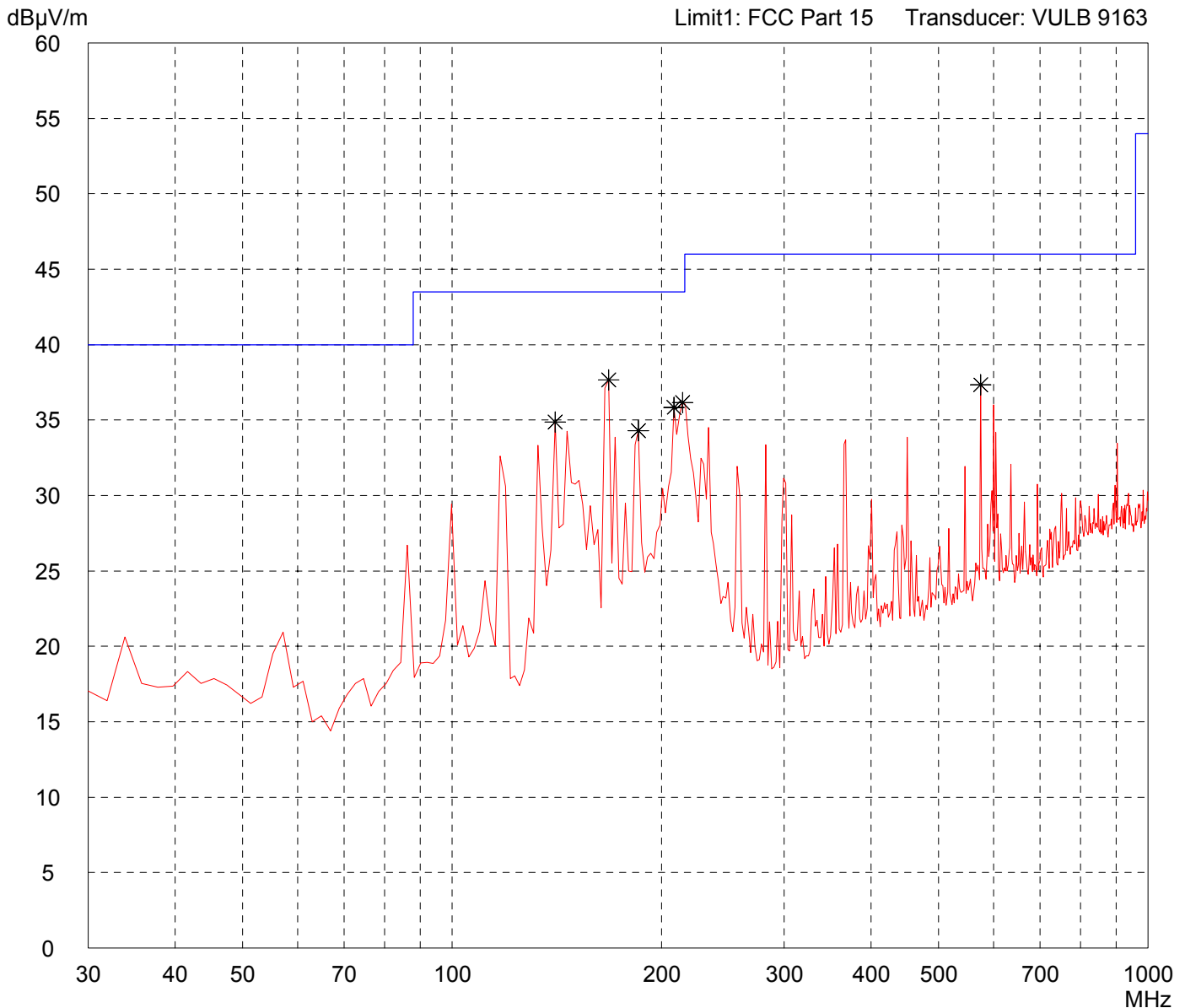
|                              |                                                                                                                                                          |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Result:<br><b>Limit kept</b> | <div style="display: flex; justify-content: space-between;"> <span>Project file:<br/><b>56109-61084-2</b></span> <span>Page    of    Pages</span> </div> |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

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

|                                                                         |                                                                  |
|-------------------------------------------------------------------------|------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                          | Comment:<br><br>- RX at 915.38 MHz<br><br>- Antenna: S161AH-915R |
| 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>01/30/2007</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>                    |



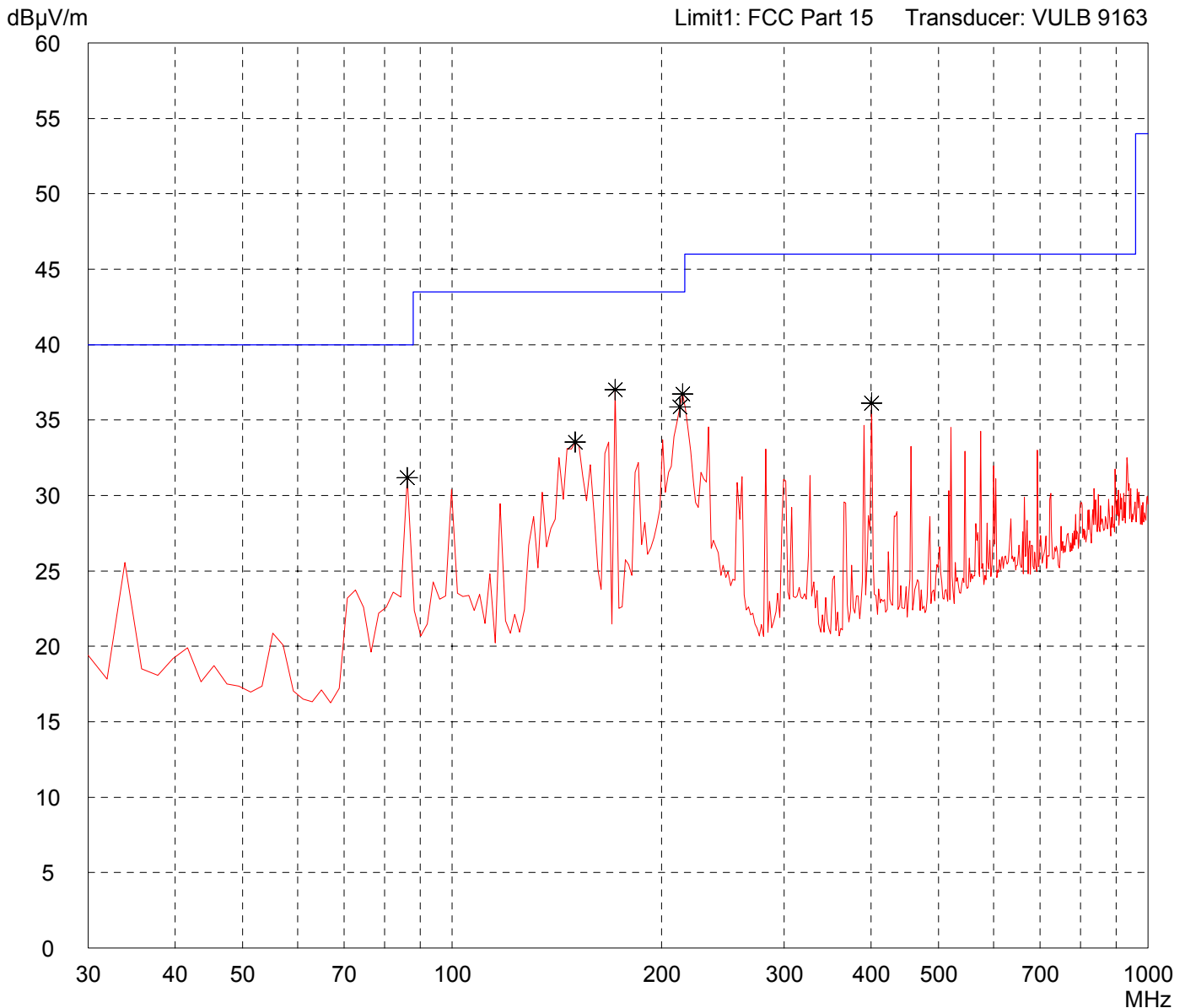
|                           |                                     |
|---------------------------|-------------------------------------|
| Result:<br><b>Prescan</b> | Project file:<br><b>56109-61084</b> |
|                           | Page    of    Pages                 |

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

|                                                                       |                                                                  |
|-----------------------------------------------------------------------|------------------------------------------------------------------|
| Model:<br><b>AC4490LR-200M</b>                                        | Comment:<br><br>- RX at 915.38 MHz<br><br>- Antenna: S161AH-915R |
| 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>01/30/2007</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>                    |



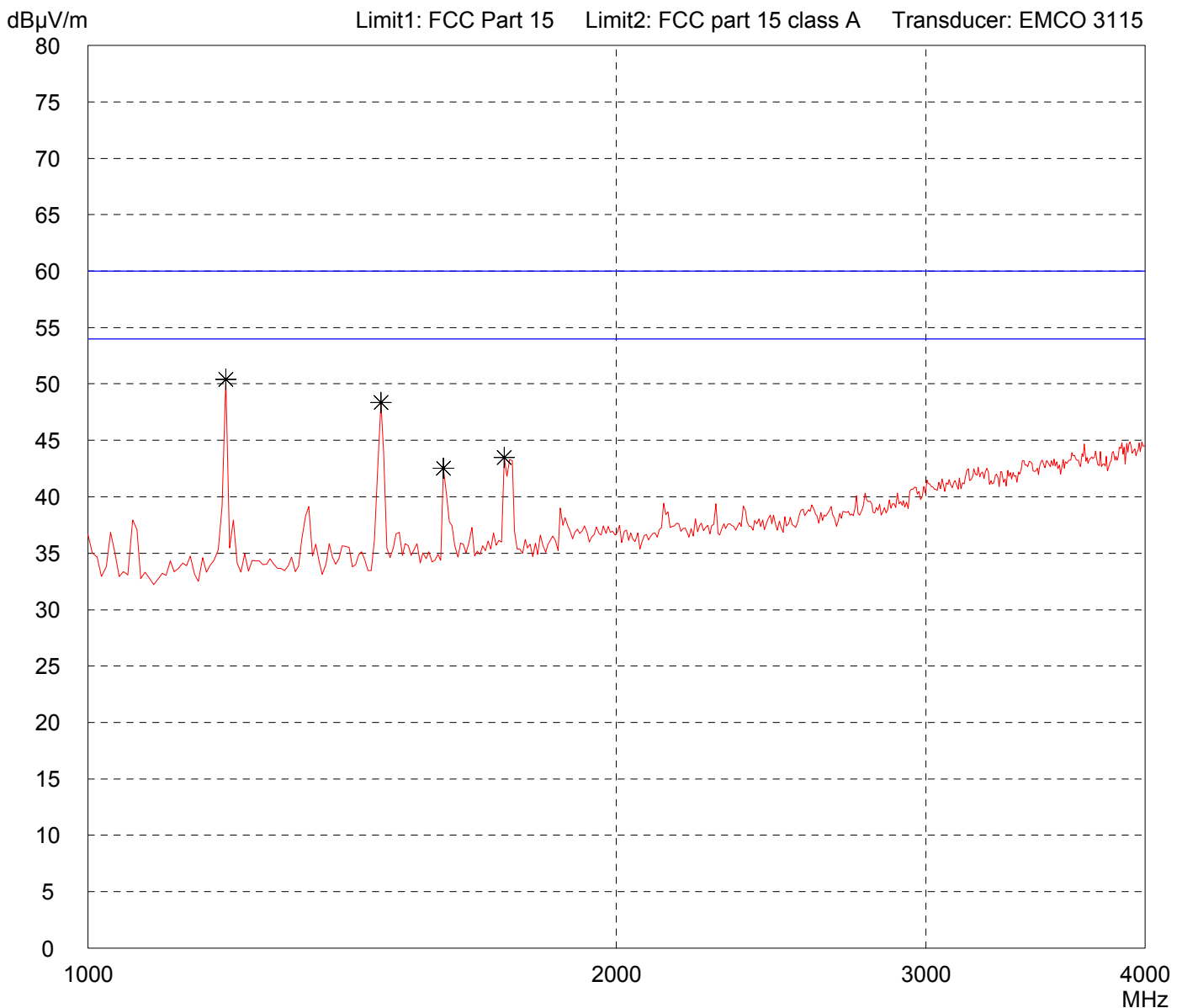
|                           |                                     |
|---------------------------|-------------------------------------|
| Result:<br><b>Prescan</b> | Project file:<br><b>56109-61084</b> |
|                           | Page    of    Pages                 |

# 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: S161AH-915R |
| 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>01/30/2007</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> |
|--------------------------|--------------------------------------------|



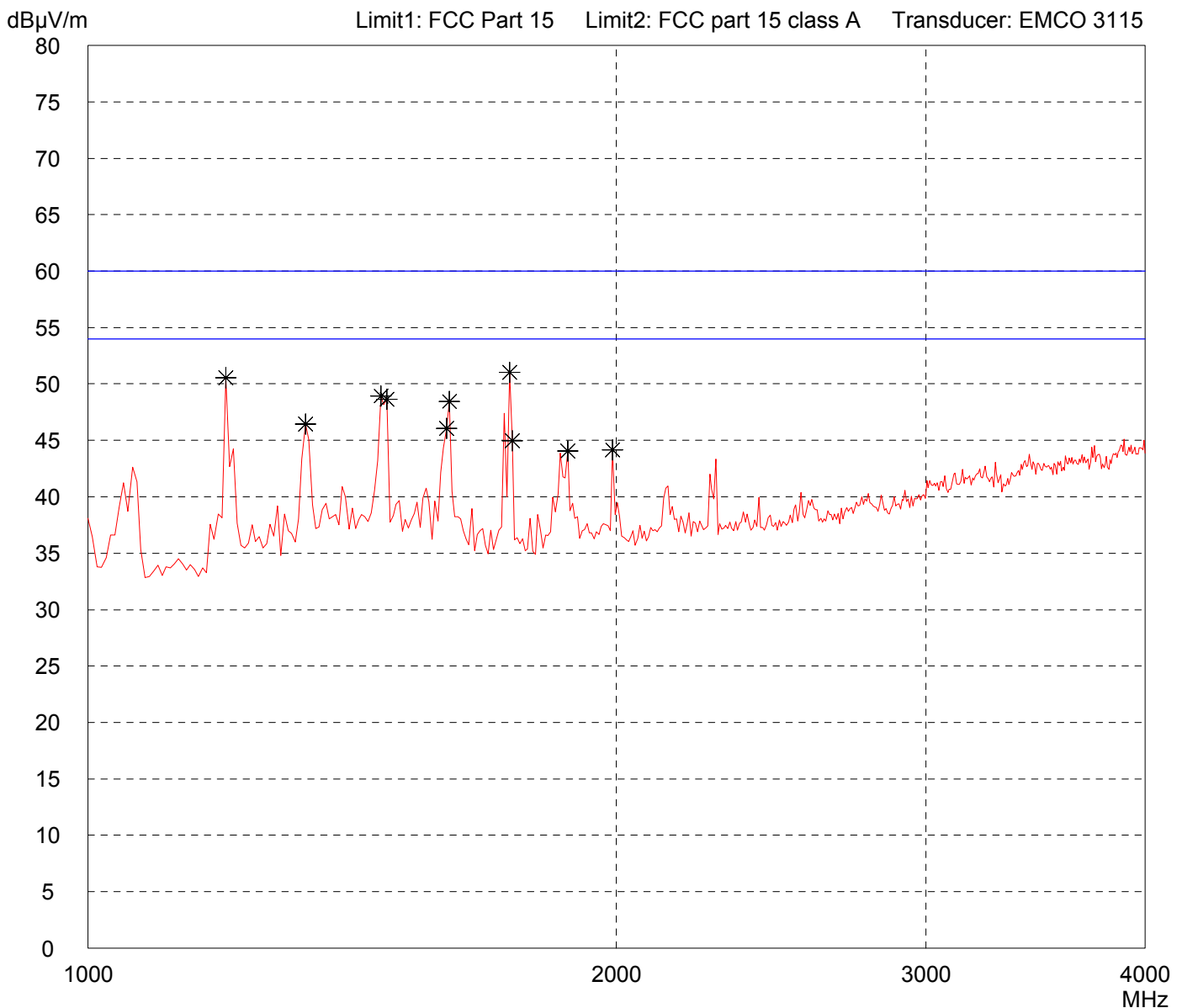
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

# Radiated Emission Test 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: S161AH-915R |
| 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>01/30/2007</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> |
|--------------------------|--------------------------------------------|



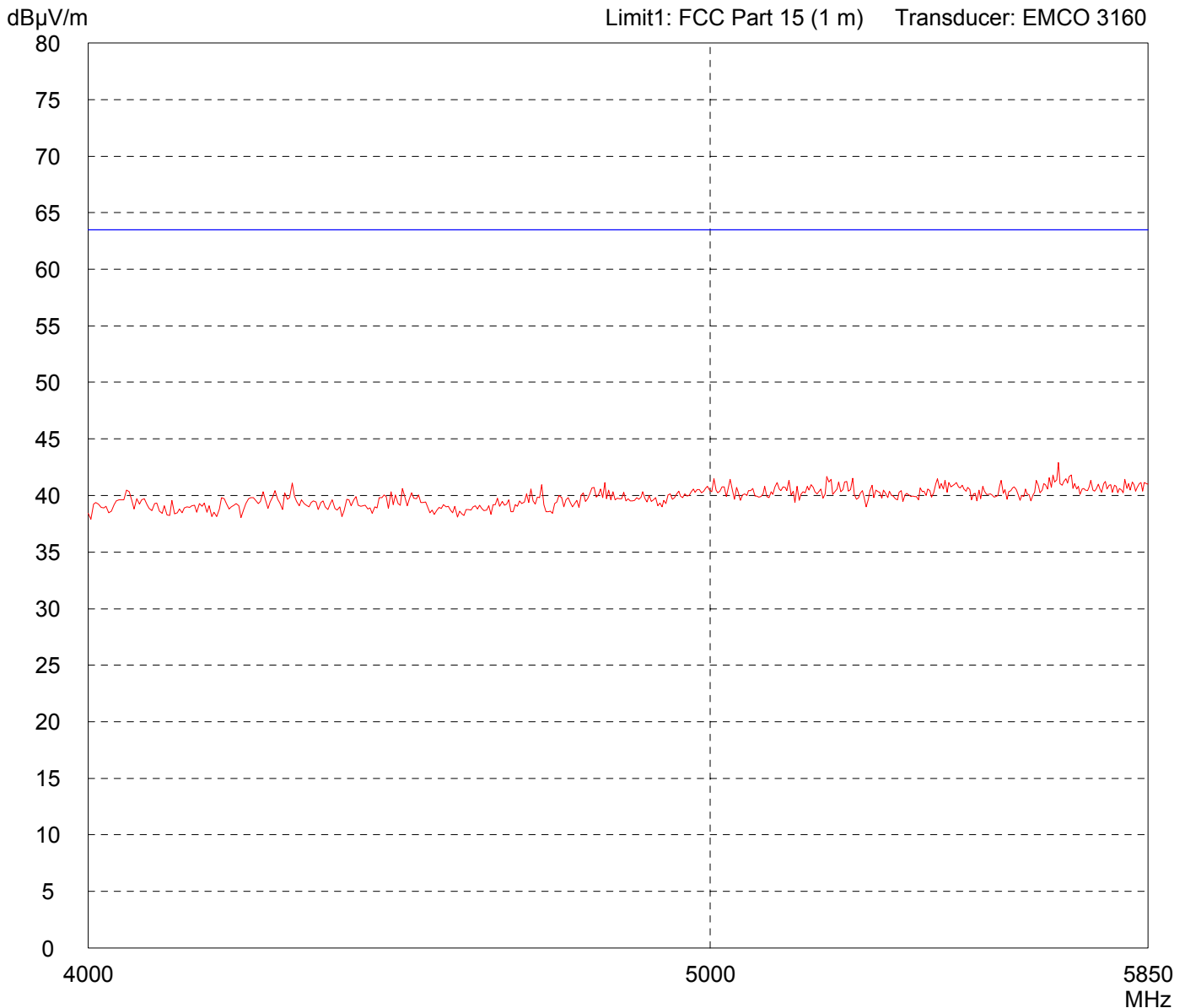
|                              |                                     |
|------------------------------|-------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> |
|                              | Page    of    Pages                 |

# Radiated Emission Test 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: S161AH-915R |
| 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> <div style="text-align: right;"><b>50 Subranges</b></div> |
|--------------------------|--------------------------------------------------------------------------------------------------|



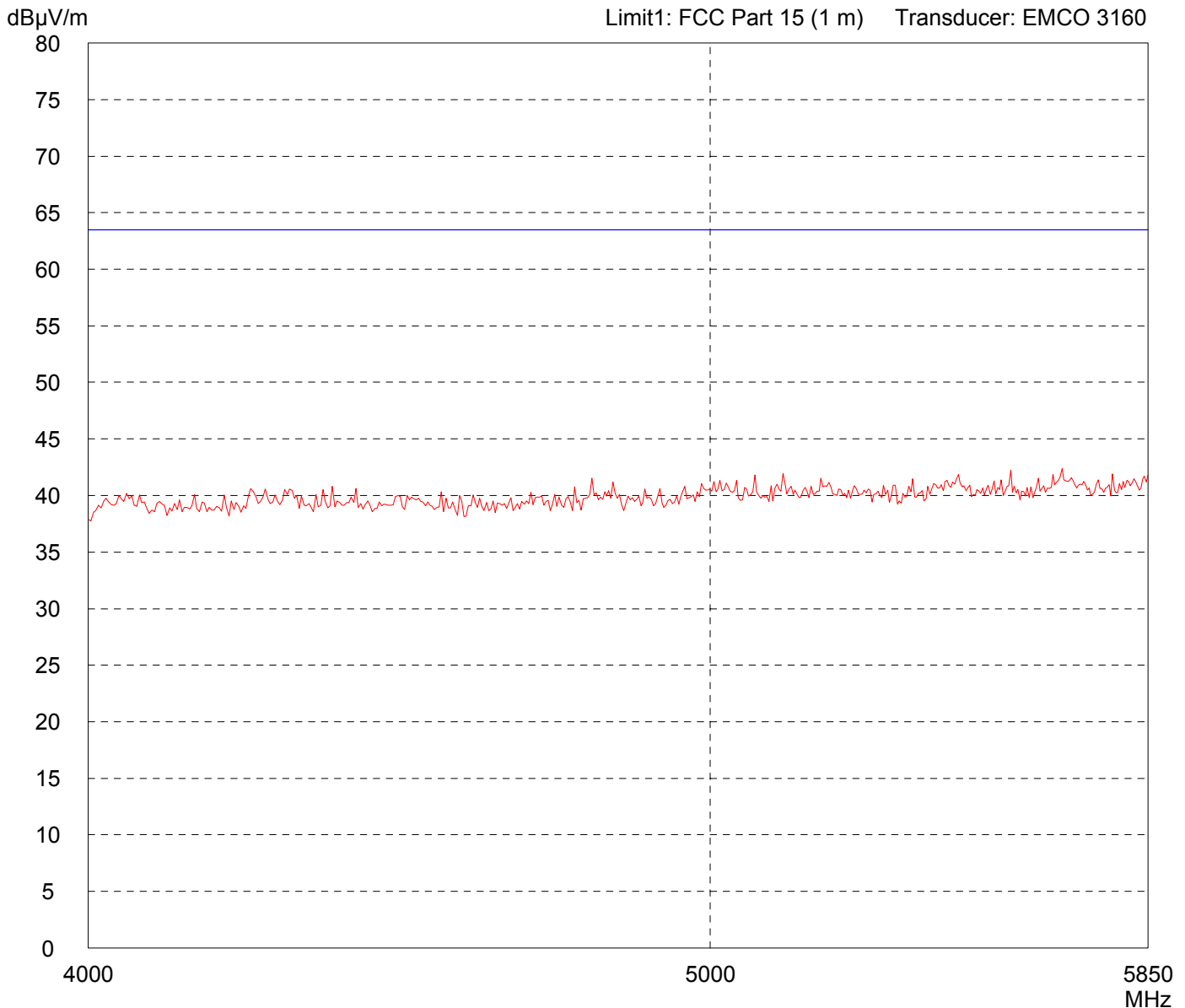
|                              |                                                                                               |
|------------------------------|-----------------------------------------------------------------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> <div style="text-align: right;">Page    of    Pages</div> |
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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: S161AH-915R |
| 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> <div style="text-align: right;"><b>50 Subranges</b></div> |
|--------------------------|--------------------------------------------------------------------------------------------------|



|                              |                                                                                               |
|------------------------------|-----------------------------------------------------------------------------------------------|
| Result:<br><b>Limit kept</b> | Project file:<br><b>56109-61084</b> <div style="text-align: right;">Page    of    Pages</div> |
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