

# Compliance Lab Data Packet



|                         |                                        |
|-------------------------|----------------------------------------|
| Customer Name           | Qualcomm                               |
| Test Title              | G* SM TUV Pre-Test                     |
| Test Type               | Conducted                              |
| UT Name                 | QC-ETHYL                               |
| UT Serial Number        | SN10650WH7                             |
| UT Model Number         | GSP-1600                               |
| UT HW Version           | 10-70695-7 X5/X8                       |
| UT SW Version           | UT =PRER 4.4.01, Cal = R03             |
| UT Test Voltage         |                                        |
| UT Test Current Limit   | 4.00A                                  |
| UTDM Version            | 7.22                                   |
| Anritsu SW Version      | Pre-R32                                |
| Test Station HW Version | 1.0                                    |
| Test Station SW Version | 2.0                                    |
| Operator Name           | D. Gosnell                             |
| File Name               | QC-ETHYL_SN10650WH7_12021999174257.mdb |
| Test Start Time         | 2:45:01 PM Thursday, December 02, 1999 |
| Test Stop Time          | 5:42:57 PM Thursday, December 02, 1999 |

# Compliance Lab Data Summary



| <i>Time</i>           | <i>Test Name</i>                       | <i>Test #</i>           | <i>Test Description</i>                         | <i>Fwd Chnl</i> | <i>Rev Chnl</i> | <i>Low</i> | <i>Actual</i> | <i>High Units</i> | <i>Temp Volts</i>  | <i>Status</i> |
|-----------------------|----------------------------------------|-------------------------|-------------------------------------------------|-----------------|-----------------|------------|---------------|-------------------|--------------------|---------------|
| 12/2/99<br>2:47:21 PM | Equipment Identity                     | ETSI TBR<br>041 p10     | Anritsu=310006195551234<br>UTDM=310006195551234 | 63              | 4               | 0          | 0             | 0 MSID            | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>2:47:21 PM | Equipment Identity                     | ETSI TBR<br>041 p10     | Anritsu=B3092833 UTDM=B3092833                  | 63              | 4               | 0          | 0             | 0 ESN             | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>2:47:54 PM | Maximum RF Output Power                | ETSI TBR<br>041, sec. 7 | Peak EIRP Density                               | 63              | 4               | -50        | -24.904851    | -3 dBW/4KHz       | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>3:25:58 PM | Maximum RF Output Power                | ETSI TBR<br>041, sec. 7 | Peak EIRP Density                               | 63              | 250             | -50        | -25.438348    | -3 dBW/4KHz       | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>3:39:33 PM | Maximum RF Output Power                | ETSI TBR<br>041, sec. 7 | Peak EIRP Density                               | 63              | 332             | -50        | -25.186902    | -3 dBW/4KHz       | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>2:47:53 PM | Maximum RF Output Power<br>FSEM 20     | MPS 3.4.5               | Lower Limit                                     | 63              | 4               | -9         | -6.4268507    | 9.9 dBW/1.23MHz   | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>2:47:53 PM | Maximum RF Output Power<br>FSEM 20     | MPS 3.4.5               | Min Averaged Power                              | 63              | 4               | -4         | -2.3268507    | 9.9 dBW/1.23MHz   | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>2:47:53 PM | Maximum RF Output Power<br>FSEM 20     | MPS 3.4.5               | Upper Limit                                     | 63              | 4               | -9         | -0.0268507    | 9.9 dBW/1.23MHz   | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>3:25:58 PM | Maximum RF Output Power<br>FSEM 20     | MPS 3.4.5               | Lower Limit                                     | 63              | 250             | -9         | -6.7603480    | 9.9 dBW/1.23MHz   | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>3:25:58 PM | Maximum RF Output Power<br>FSEM 20     | MPS 3.4.5               | Min Averaged Power                              | 63              | 250             | -4         | -2.7603480    | 9.9 dBW/1.23MHz   | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>3:25:58 PM | Maximum RF Output Power<br>FSEM 20     | MPS 3.4.5               | Upper Limit                                     | 63              | 250             | -9         | -0.5603480    | 9.9 dBW/1.23MHz   | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>3:39:32 PM | Maximum RF Output Power<br>FSEM 20     | MPS 3.4.5               | Lower Limit                                     | 63              | 332             | -9         | -8.408902     | 9.9 dBW/1.23MHz   | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>3:39:32 PM | Maximum RF Output Power<br>FSEM 20     | MPS 3.4.5               | Min Averaged Power                              | 63              | 332             | -4         | -3.008902     | 9.9 dBW/1.23MHz   | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>3:39:32 PM | Maximum RF Output Power<br>FSEM 20     | MPS 3.4.5               | Upper Limit                                     | 63              | 332             | -9         | -0.308902     | 9.9 dBW/1.23MHz   | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>2:47:53 PM | Maximum RF Output Power<br>Power Meter | MPS 3.4.5               | Lower Limit                                     | 63              | 4               | -9         | -6.3952582    | 9.9 dBW/1.23MHz   | 25.00 *C<br>8.40 V |               |

| <i>Time</i>           | <i>Test Name</i>                       | <i>Test #</i> | <i>Test Description</i> | <i>Fwd Chnl</i> | <i>Rev Chnl</i> | <i>Low</i> | <i>Actual</i> | <i>High</i> | <i>Units</i> | <i>Temp Volts</i>  | <i>Status</i> |
|-----------------------|----------------------------------------|---------------|-------------------------|-----------------|-----------------|------------|---------------|-------------|--------------|--------------------|---------------|
| 12/2/99<br>2:47:54 PM | Maximum RF Output Power<br>Power Meter | MPS 3.4.5     | Min Averaged Power      | 63              | 4               | -4         | -2.2952582    | 9.9         | dBW/1.23MHz  | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>2:47:54 PM | Maximum RF Output Power<br>Power Meter | MPS 3.4.5     | Upper Limit             | 63              | 4               | -9         | 0.00474175    | 9.9         | dBW/1.23MHz  | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>3:25:58 PM | Maximum RF Output Power<br>Power Meter | MPS 3.4.5     | Lower Limit             | 63              | 250             | -9         | -6.9601046    | 9.9         | dBW/1.23MHz  | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>3:25:58 PM | Maximum RF Output Power<br>Power Meter | MPS 3.4.5     | Min Averaged Power      | 63              | 250             | -4         | -2.9601046    | 9.9         | dBW/1.23MHz  | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>3:25:58 PM | Maximum RF Output Power<br>Power Meter | MPS 3.4.5     | Upper Limit             | 63              | 250             | -9         | -0.7601046    | 9.9         | dBW/1.23MHz  | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>3:39:32 PM | Maximum RF Output Power<br>Power Meter | MPS 3.4.5     | Lower Limit             | 63              | 332             | -9         | -8.5344693    | 9.9         | dBW/1.23MHz  | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>3:39:33 PM | Maximum RF Output Power<br>Power Meter | MPS 3.4.5     | Min Averaged Power      | 63              | 332             | -4         | -3.1344693    | 9.9         | dBW/1.23MHz  | 25.00 *C<br>8.40 V |               |
| 12/2/99<br>3:39:33 PM | Maximum RF Output Power<br>Power Meter | MPS 3.4.5     | Upper Limit             | 63              | 332             | -9         | -0.4344693    | 9.9         | dBW/1.23MHz  | 25.00 *C<br>8.40 V |               |

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| <i><b>Plot Title</b></i>                                                                    | <i><b>Plot Number</b></i> |
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| <i><b>Plot Title</b></i>                                                                    | <i><b>Plot Number</b></i> |
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# Globalstar Compliance Lab Data Plots

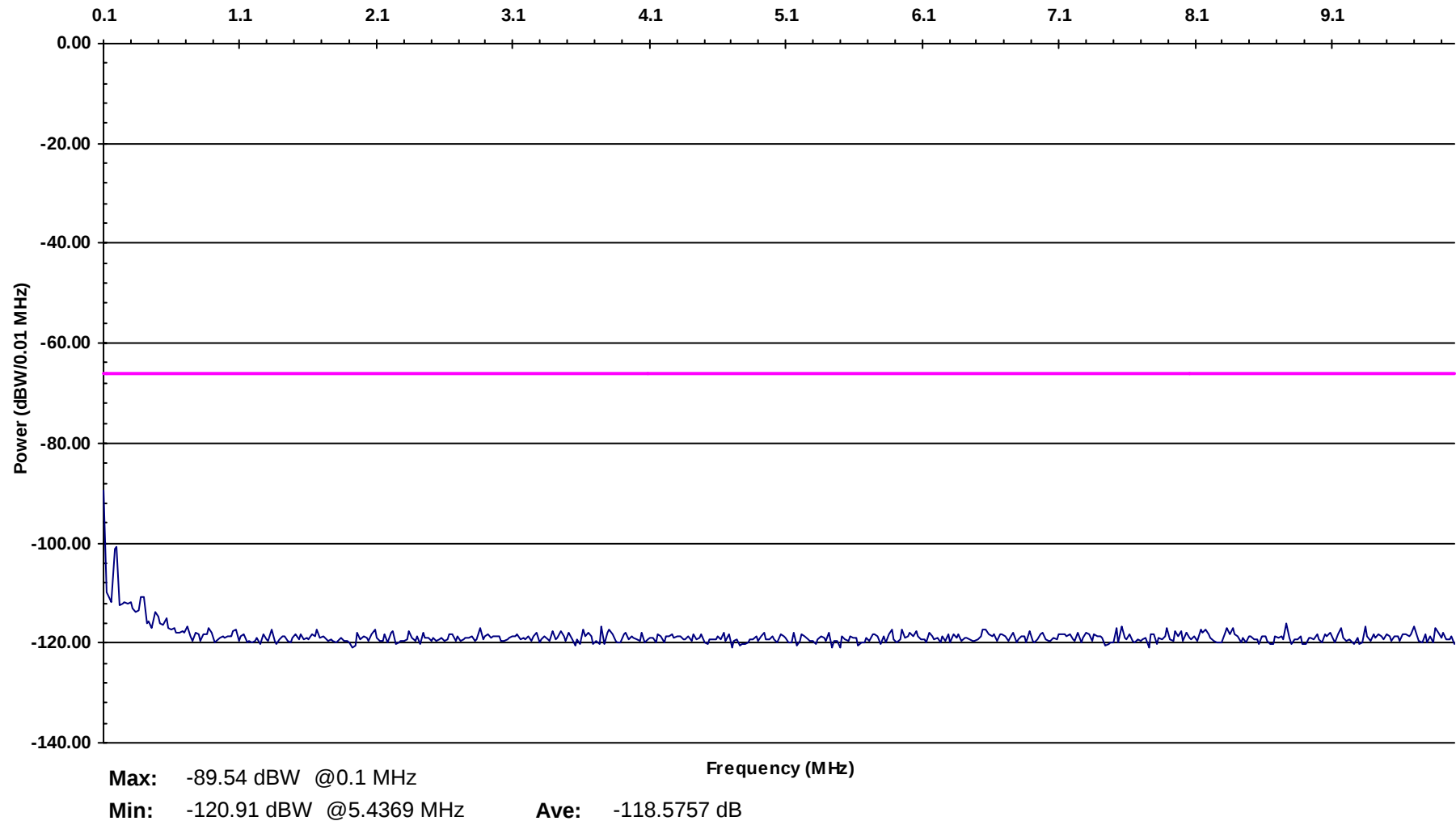


PlotTitle

Plot Number

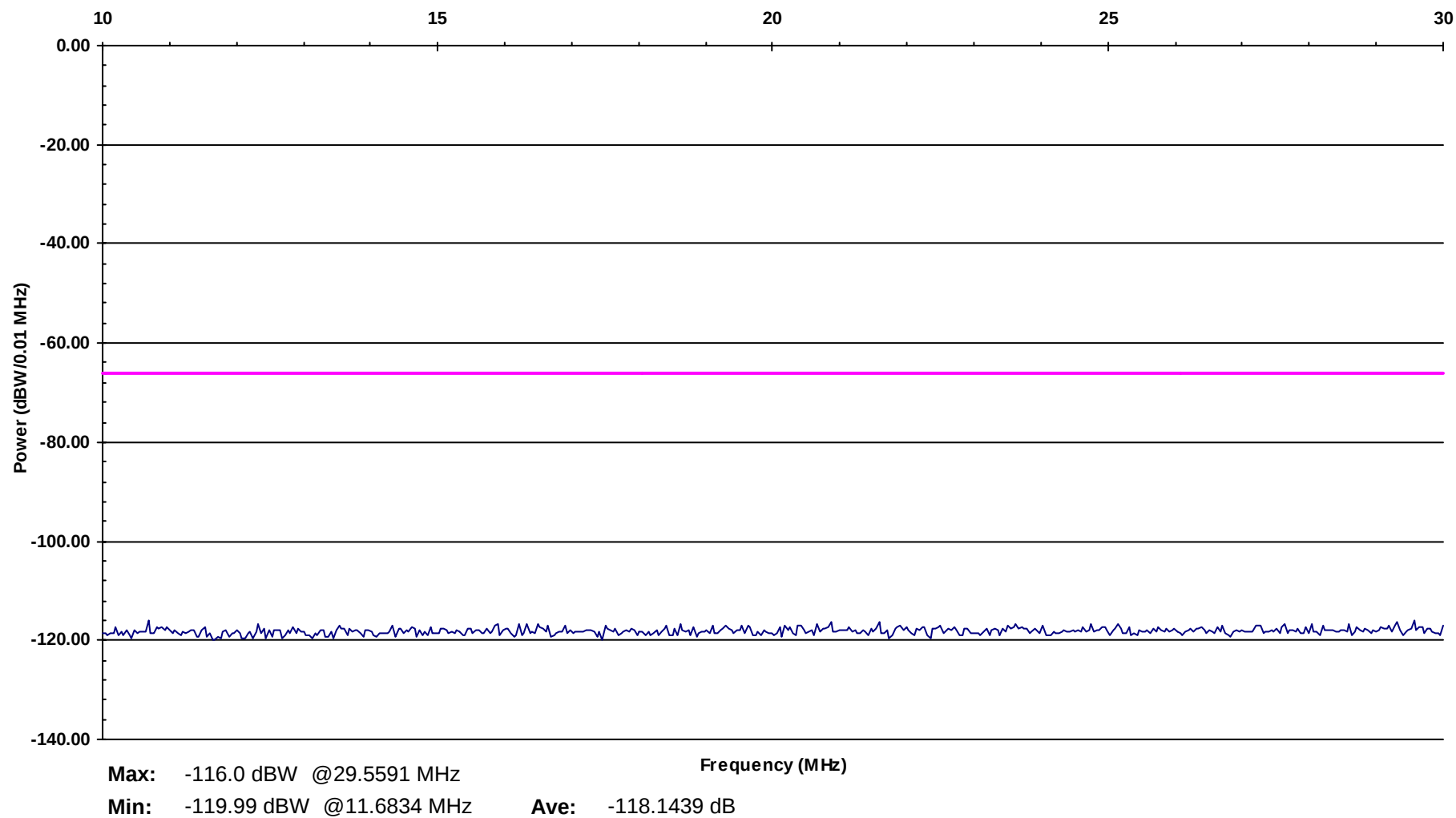
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 0.10MHz to 10.00MHz

6



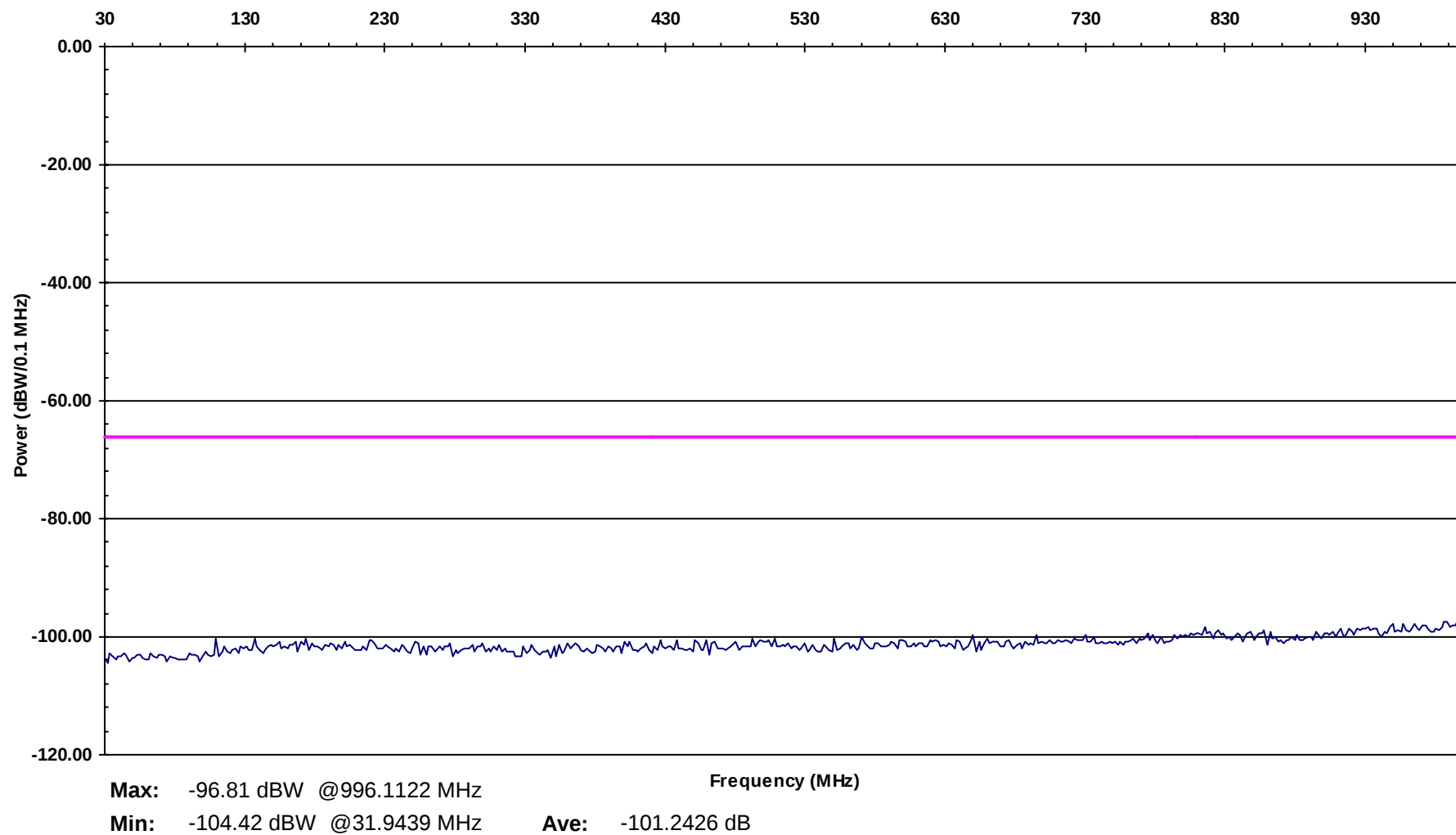
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 10.00MHz to 30.00MHz

7



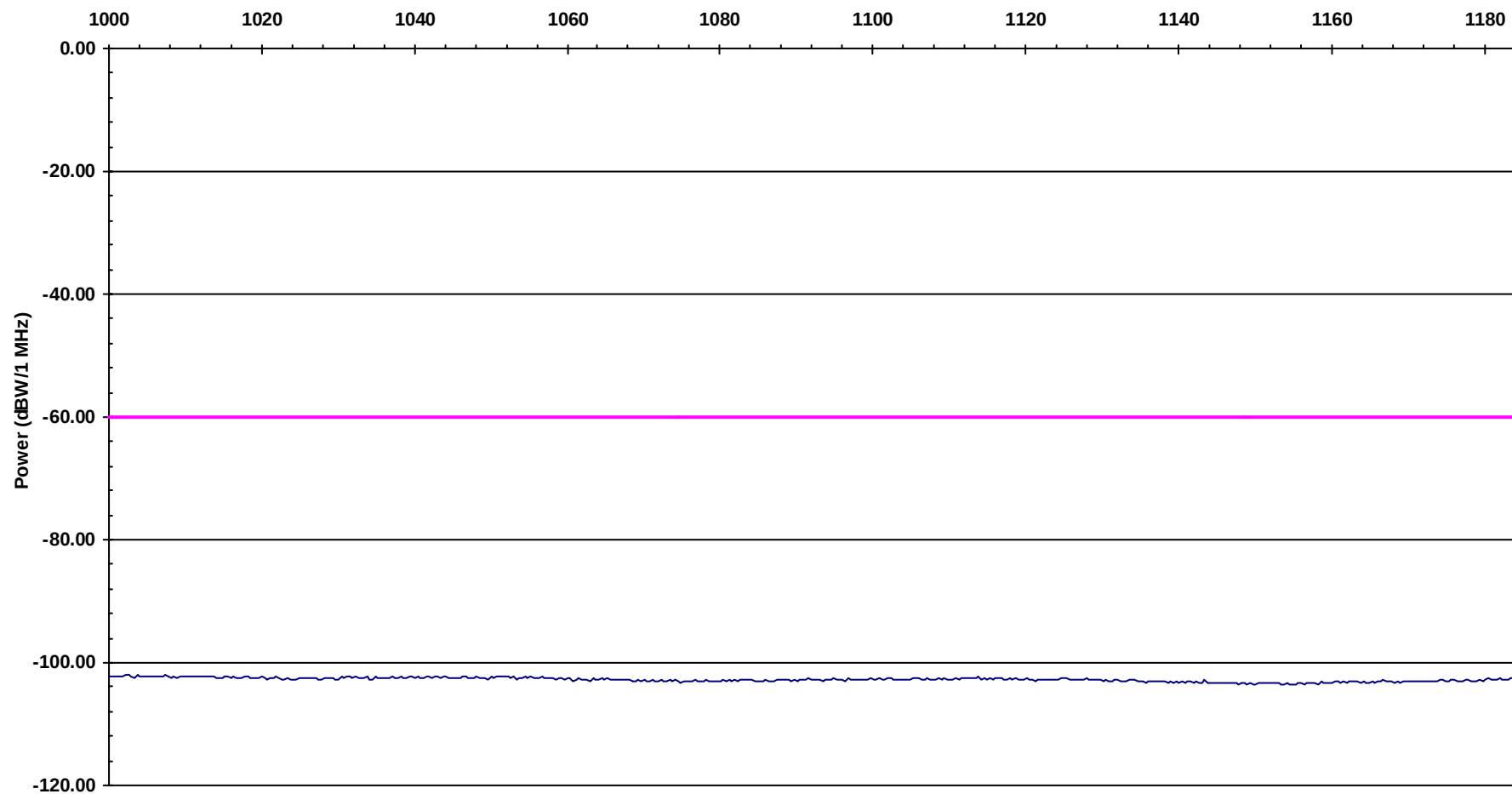
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 30.00MHz to 1000.00MHz

8



Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1000.00MHz to 1185.00MHz

9



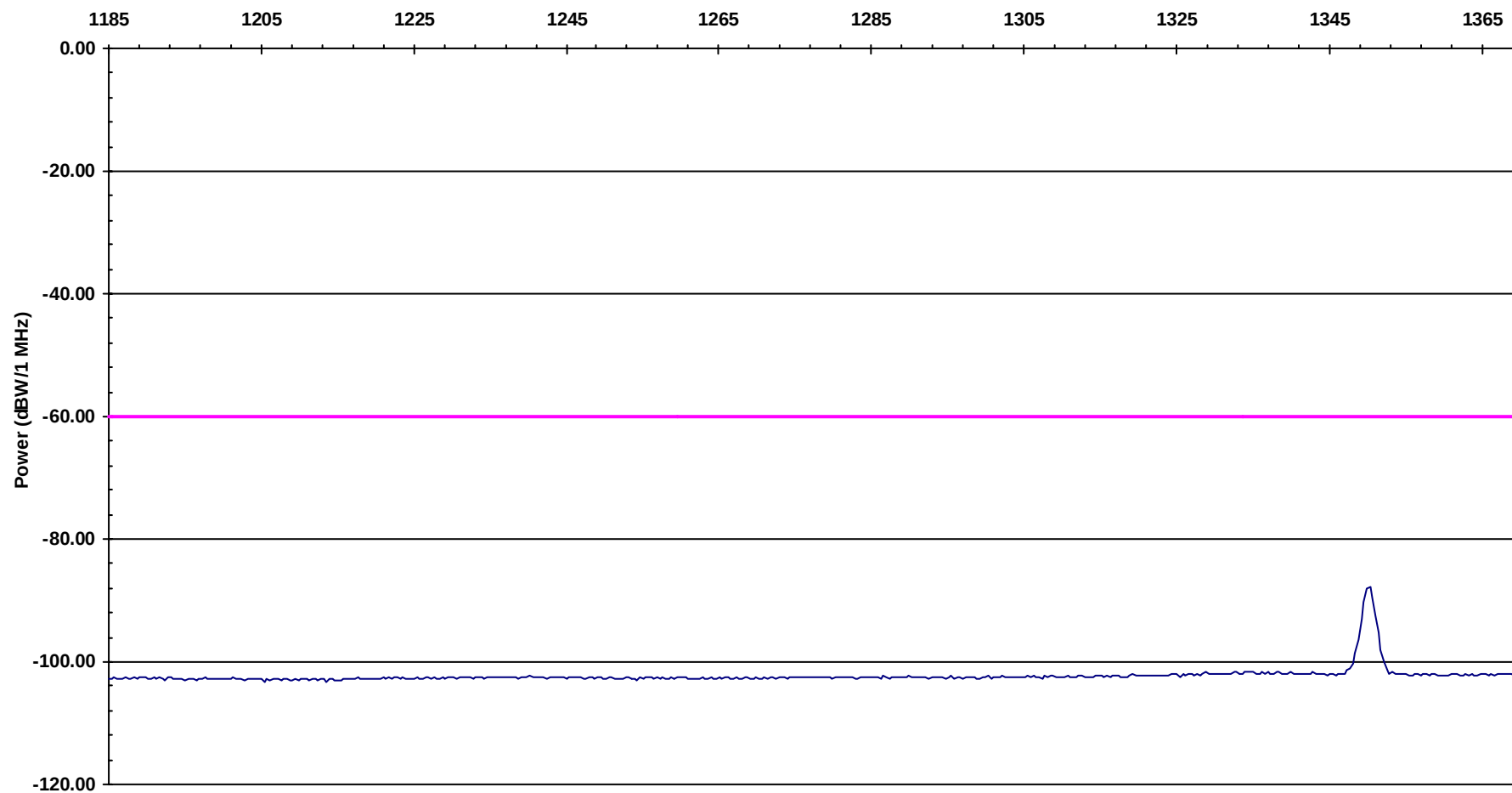
Max: -101.95 dBW @1007.4148 MHz

Frequency (MHz)

Min: -103.65 dBW @1153.8577 MHz Ave: -102.7632 dB

Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1185.00MHz to 1370.00MHz

10

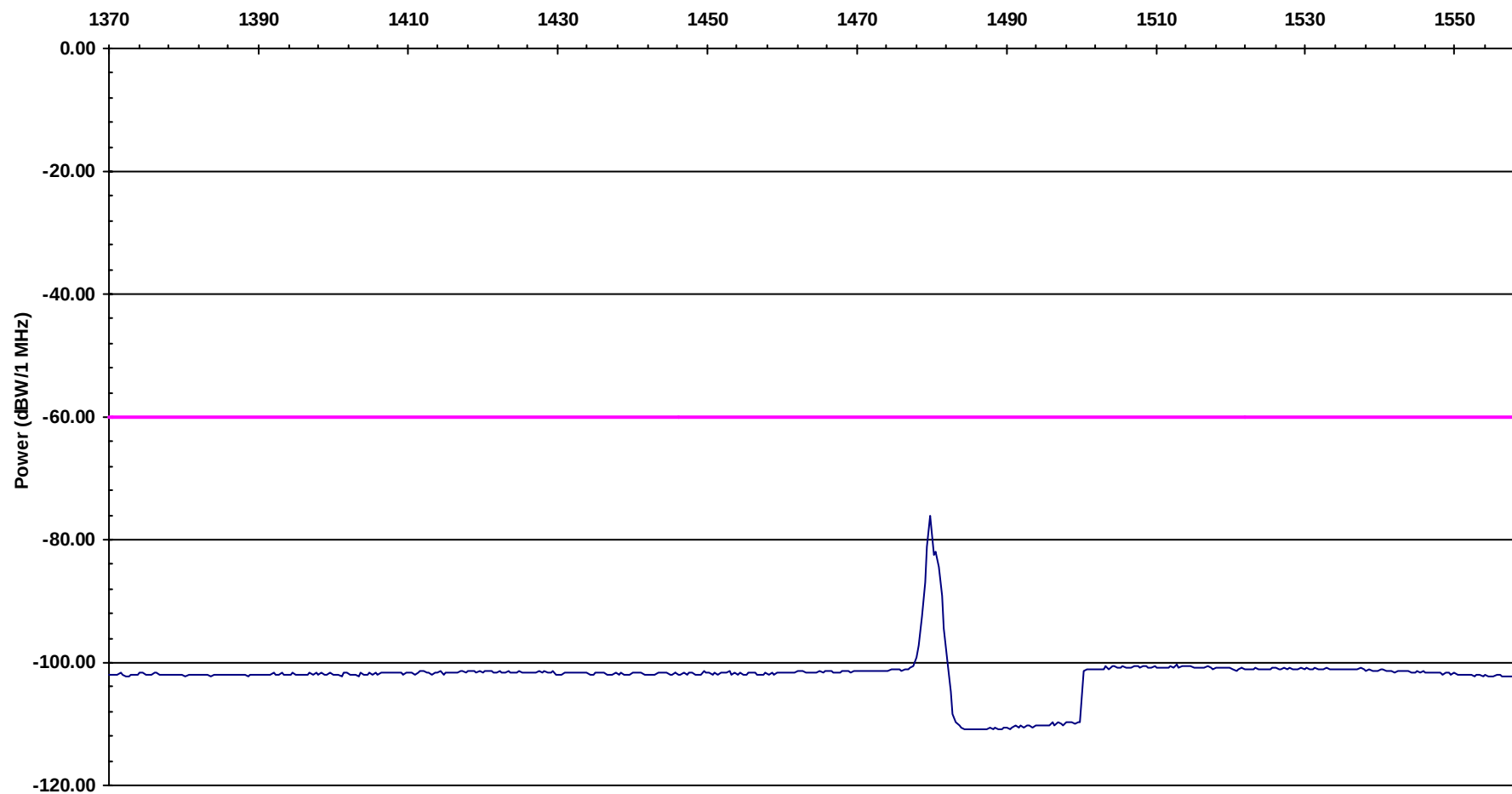


Max: -87.77 dBW @1350.3507 MHz

Min: -103.22 dBW @1205.3908 MHz Ave: -102.259 dB

Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1370.00MHz to 1559.00MHz

11

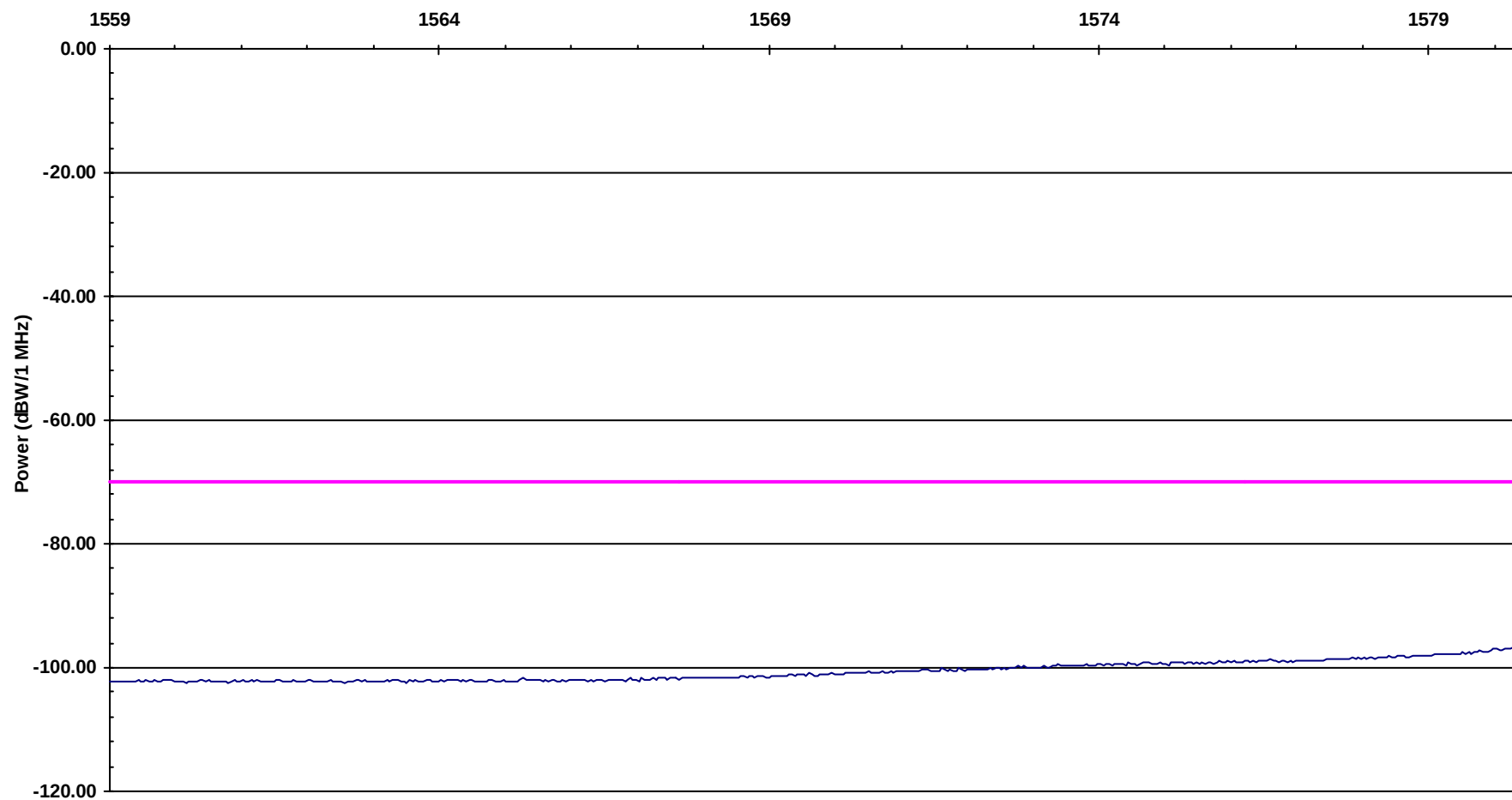


Max: -76.09 dBW @1479.8397 MHz

Min: -110.95 dBW @1484.7635 MHz Ave: -102.0588 dB

Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1559.00MHz to 1580.42MHz

12



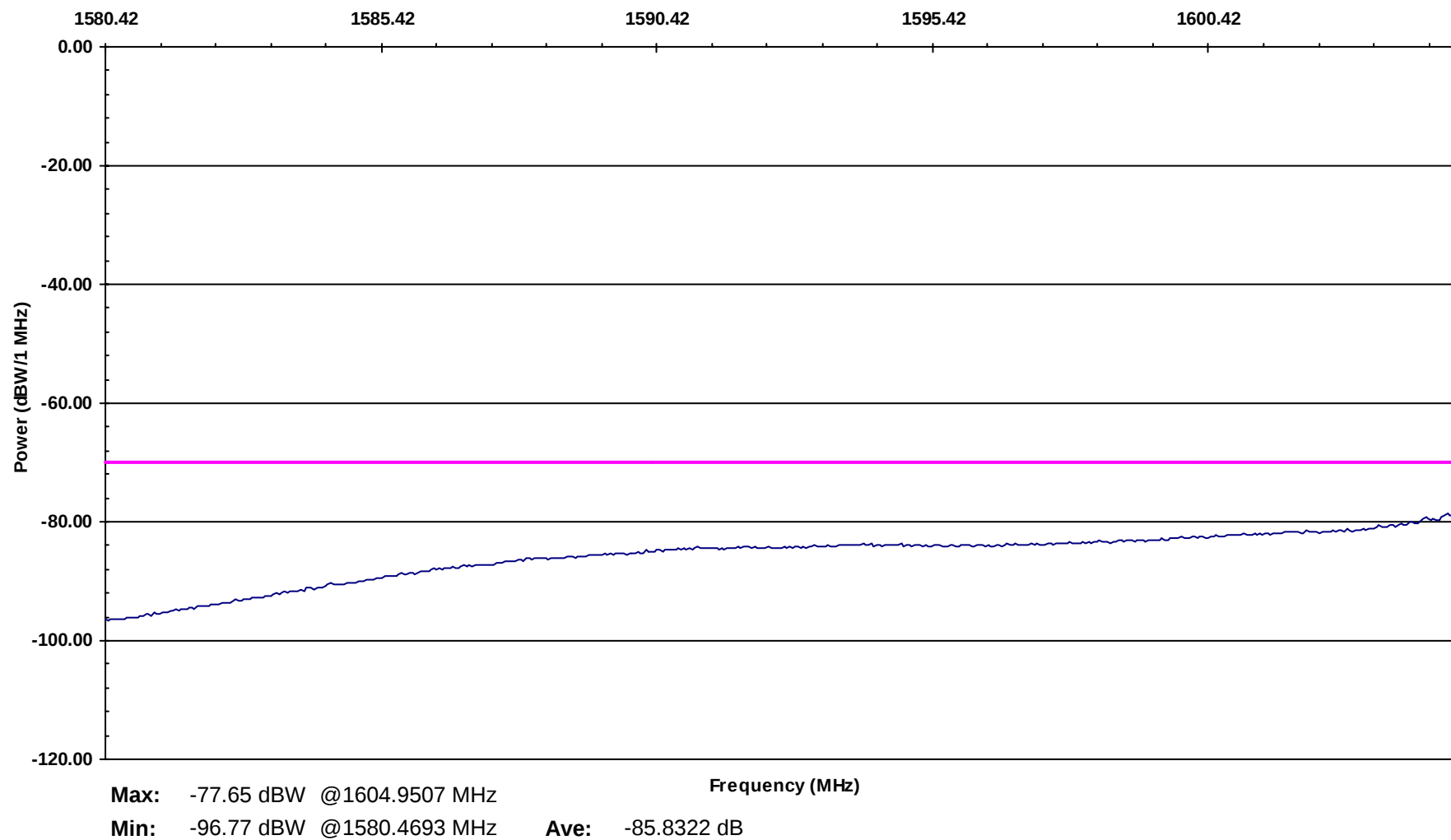
Max: -96.68 dBW @1580.42 MHz

Frequency (MHz)

Min: -102.45 dBW @1560.8029 MHz Ave: -100.6294 dB

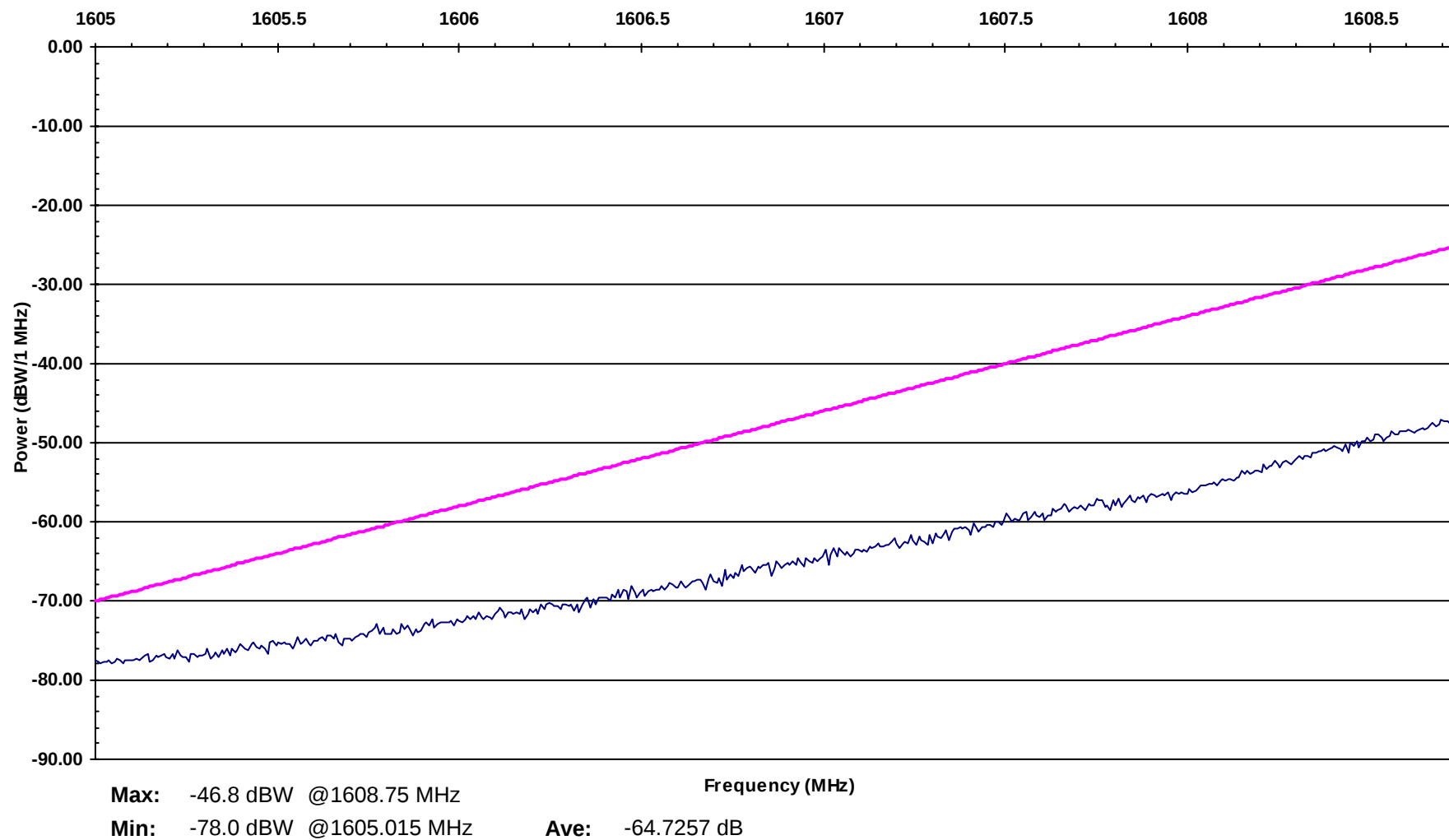
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1580.42MHz to 1605.00MHz

13



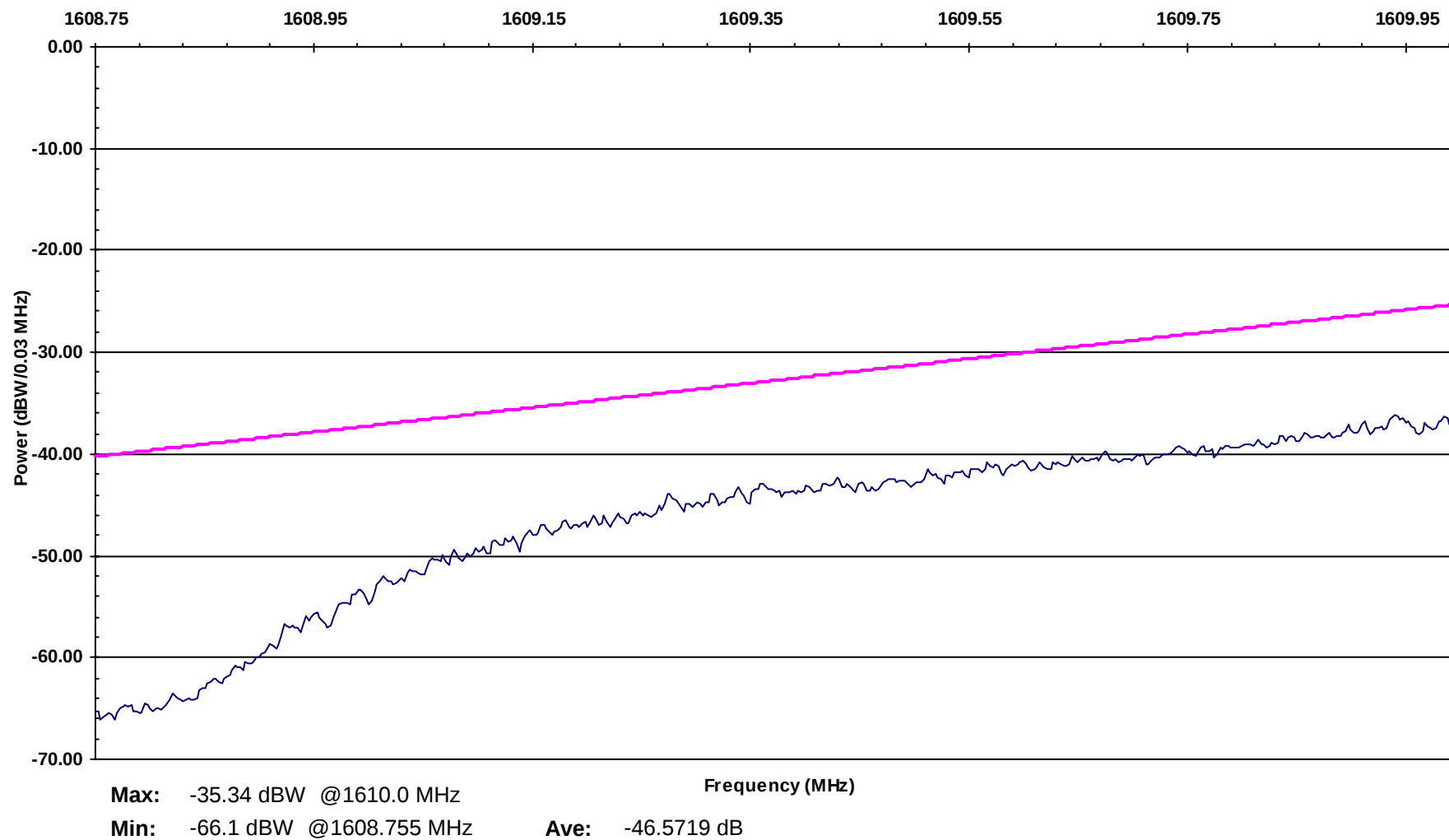
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1605.00MHz to 1608.75MHz

14



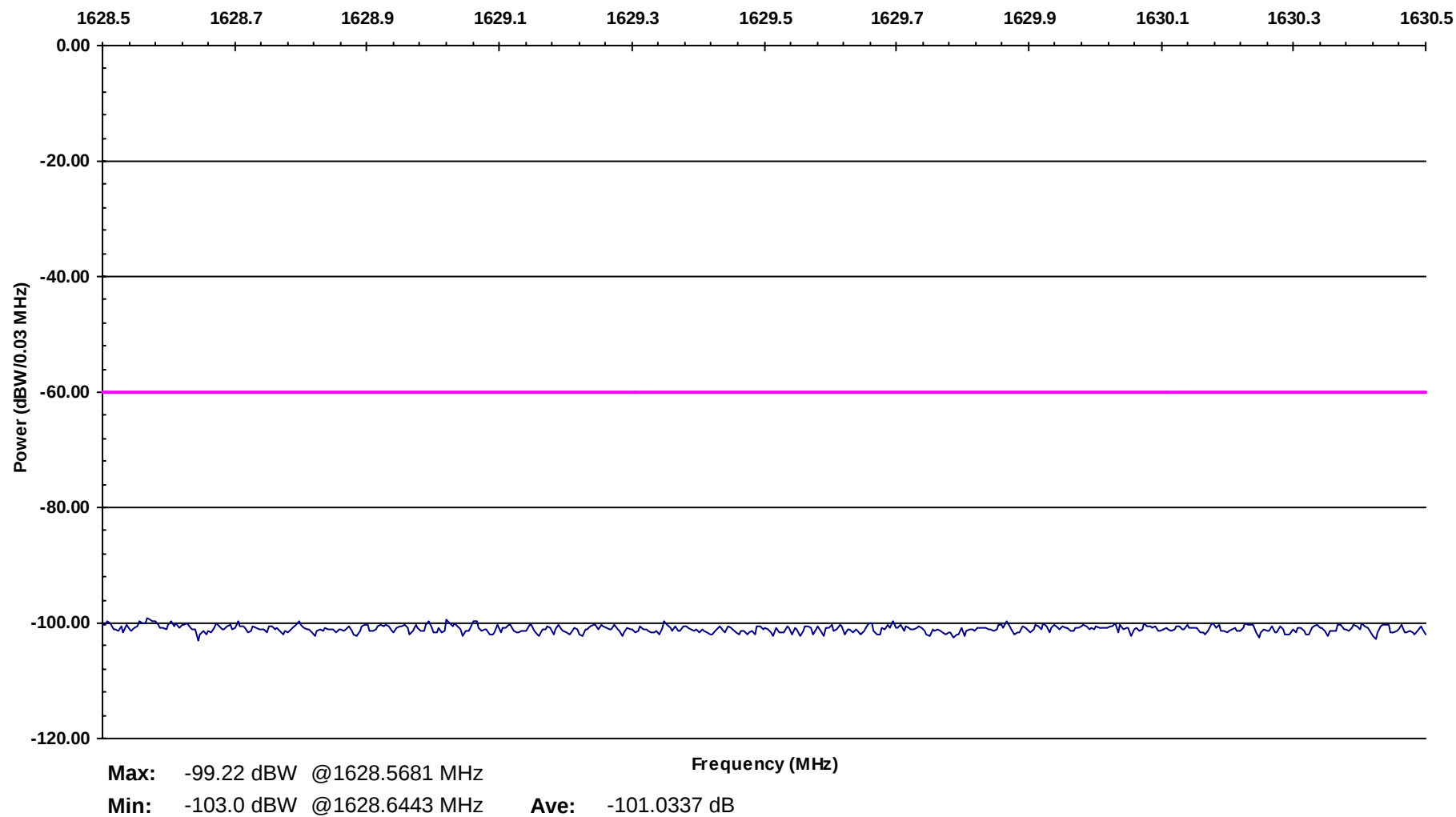
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1608.75MHz to 1610.00MHz

15



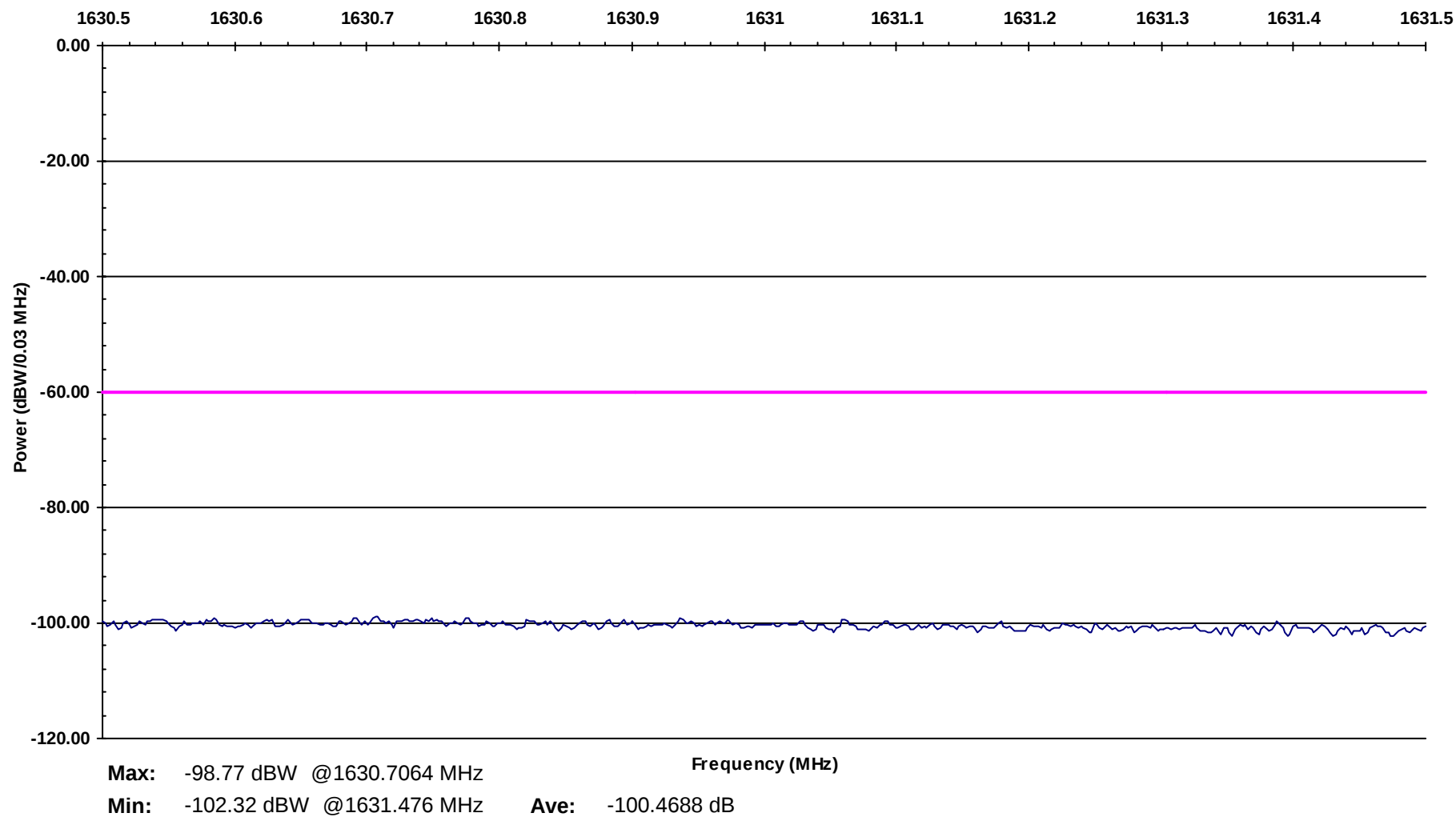
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1628.50MHz to 1630.50MHz

16



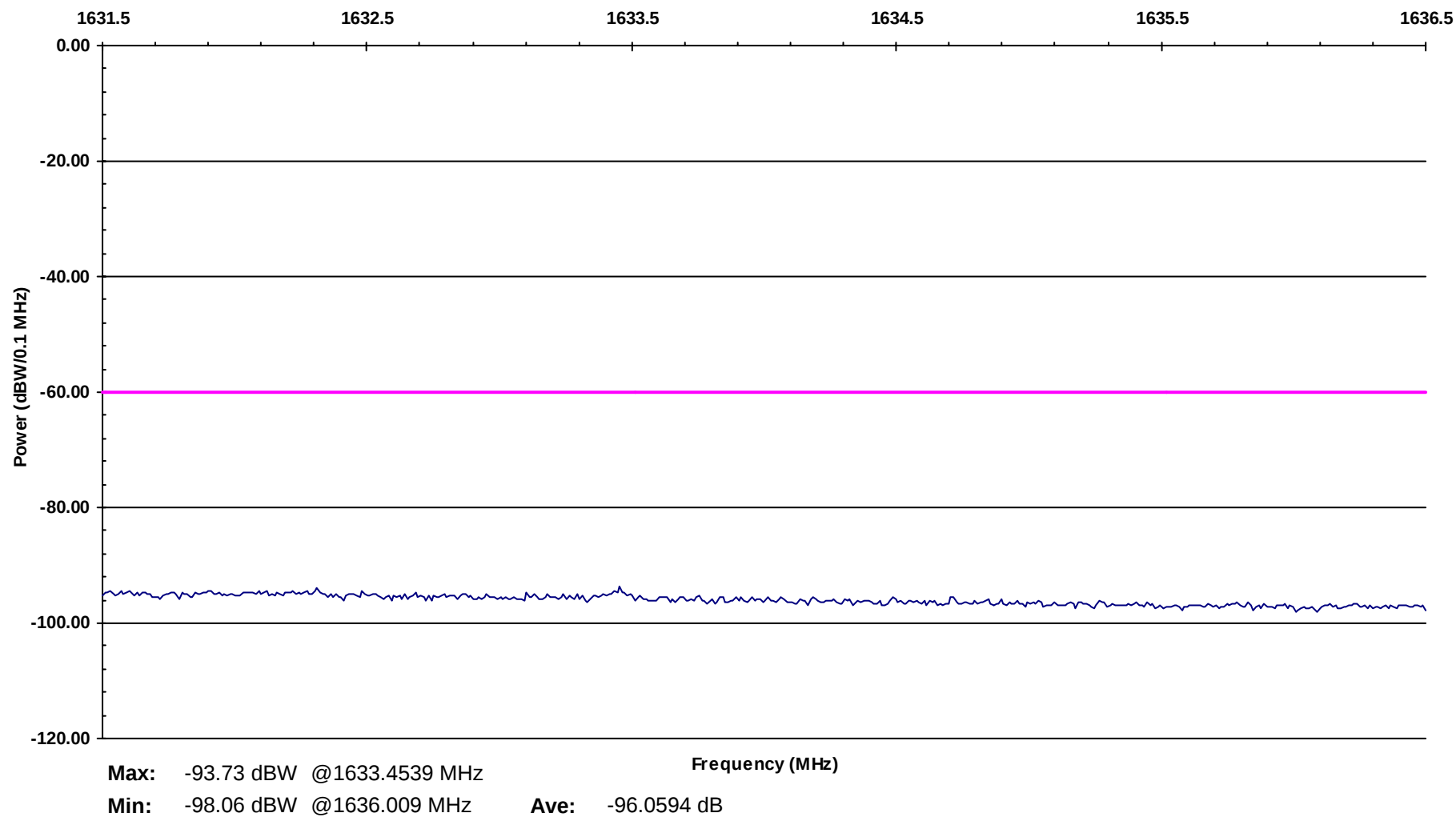
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1630.50MHz to 1631.50MHz

17



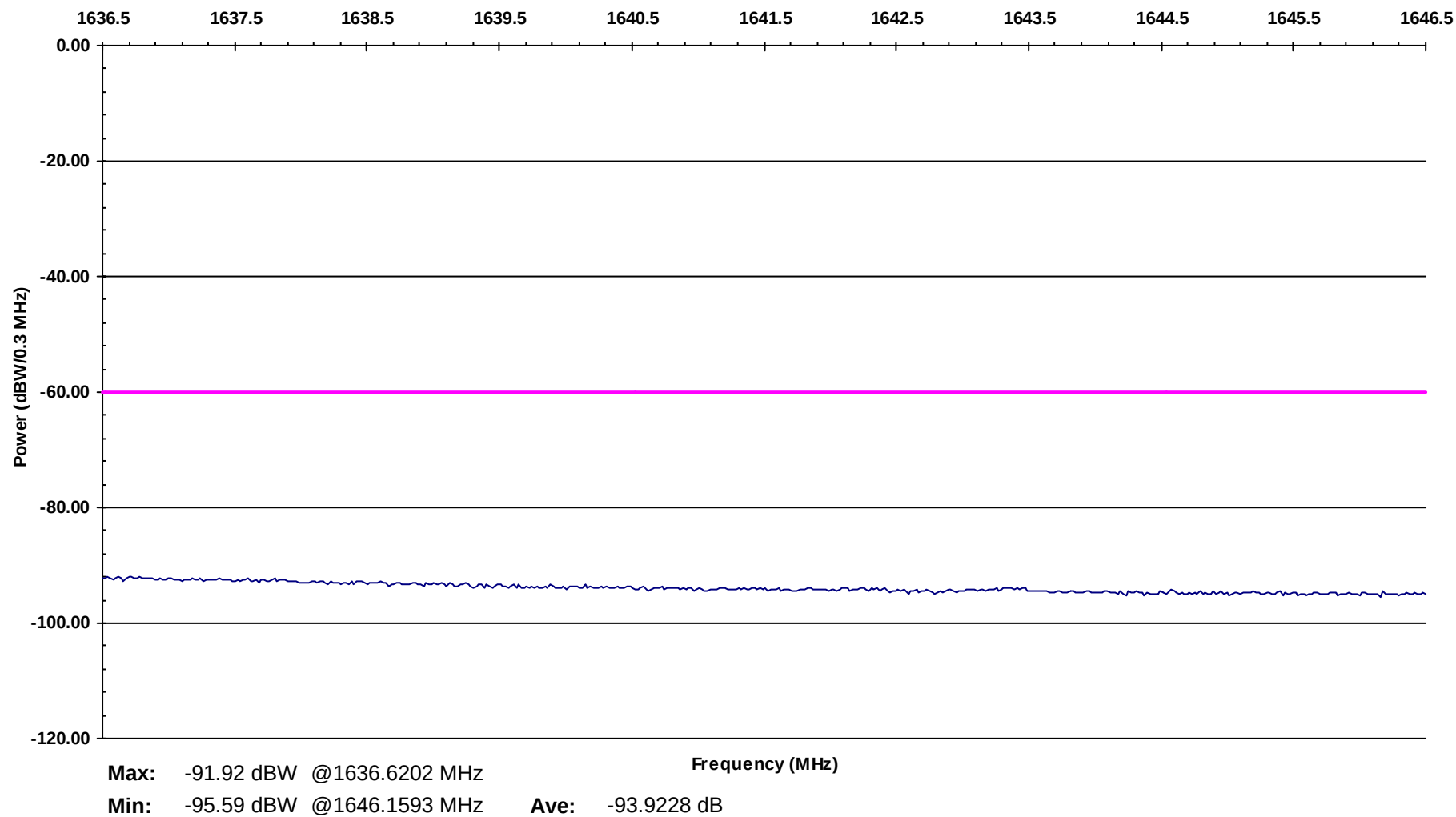
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1631.50MHz to 1636.50MHz

18



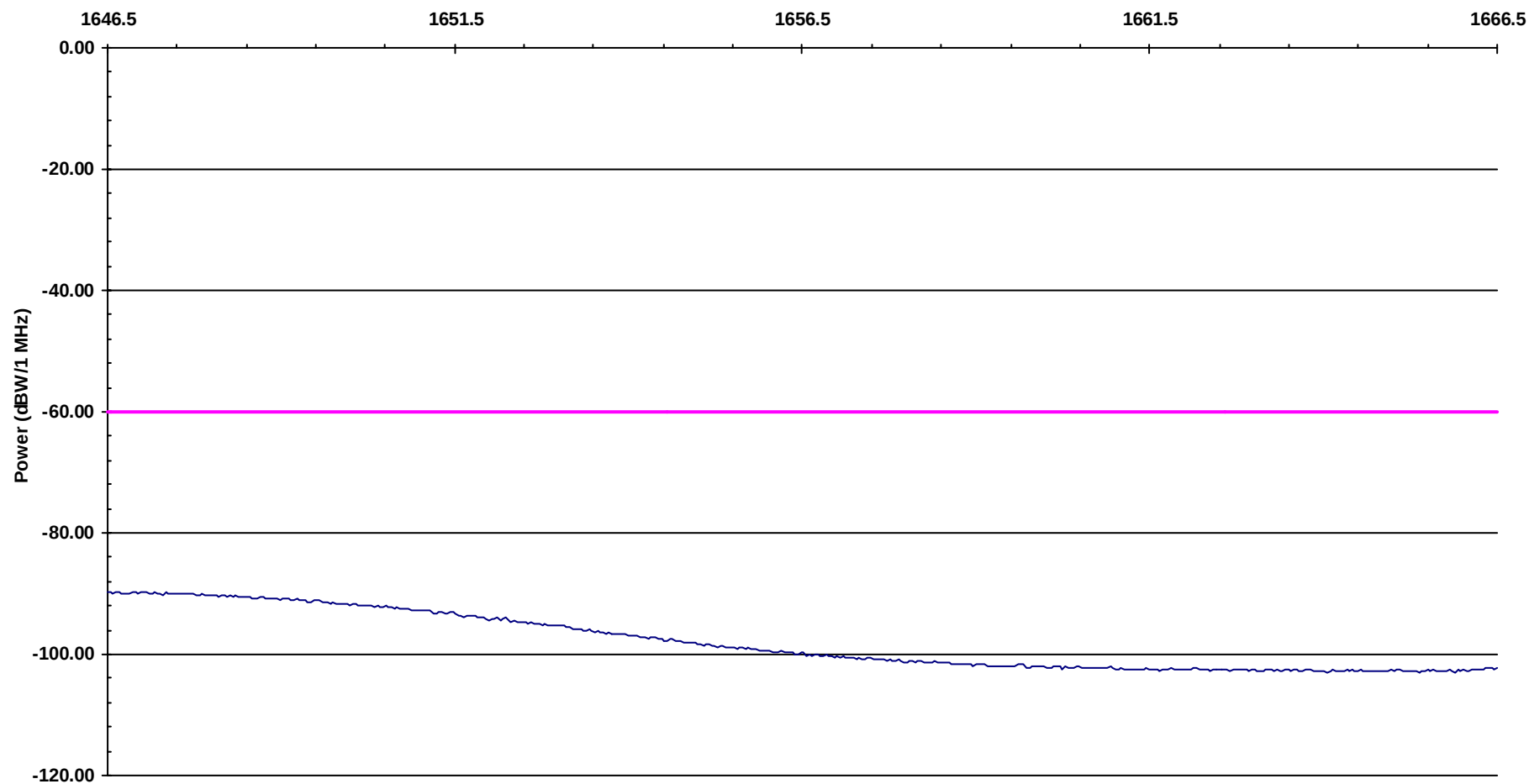
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1636.50MHz to 1646.50MHz

19



Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1646.50MHz to 1666.50MHz

20



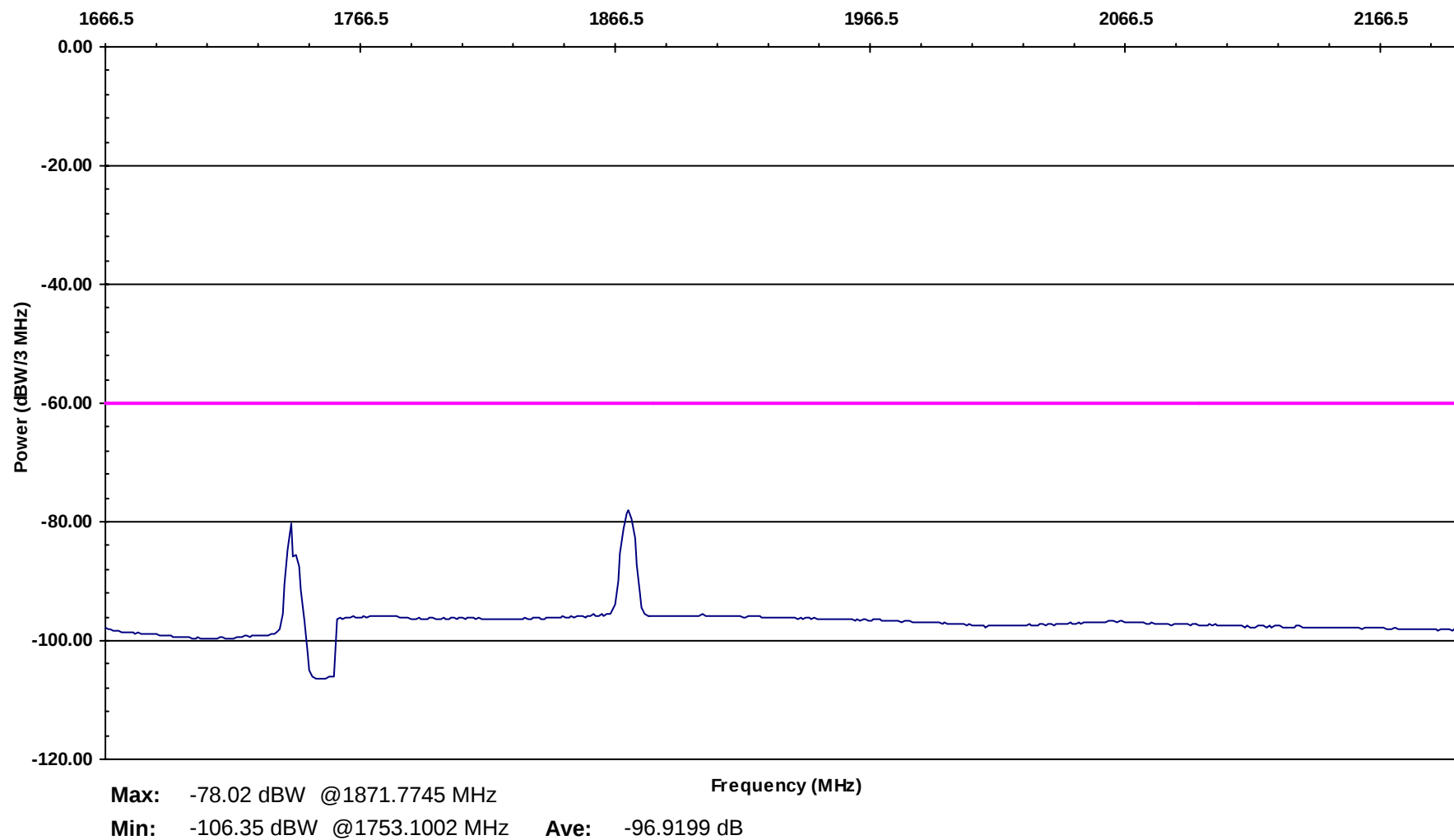
Max: -89.61 dBW @1646.5 MHz

Frequency (MHz)

Min: -103.0 dBW @1664.0551 MHz Ave: -98.0158 dB

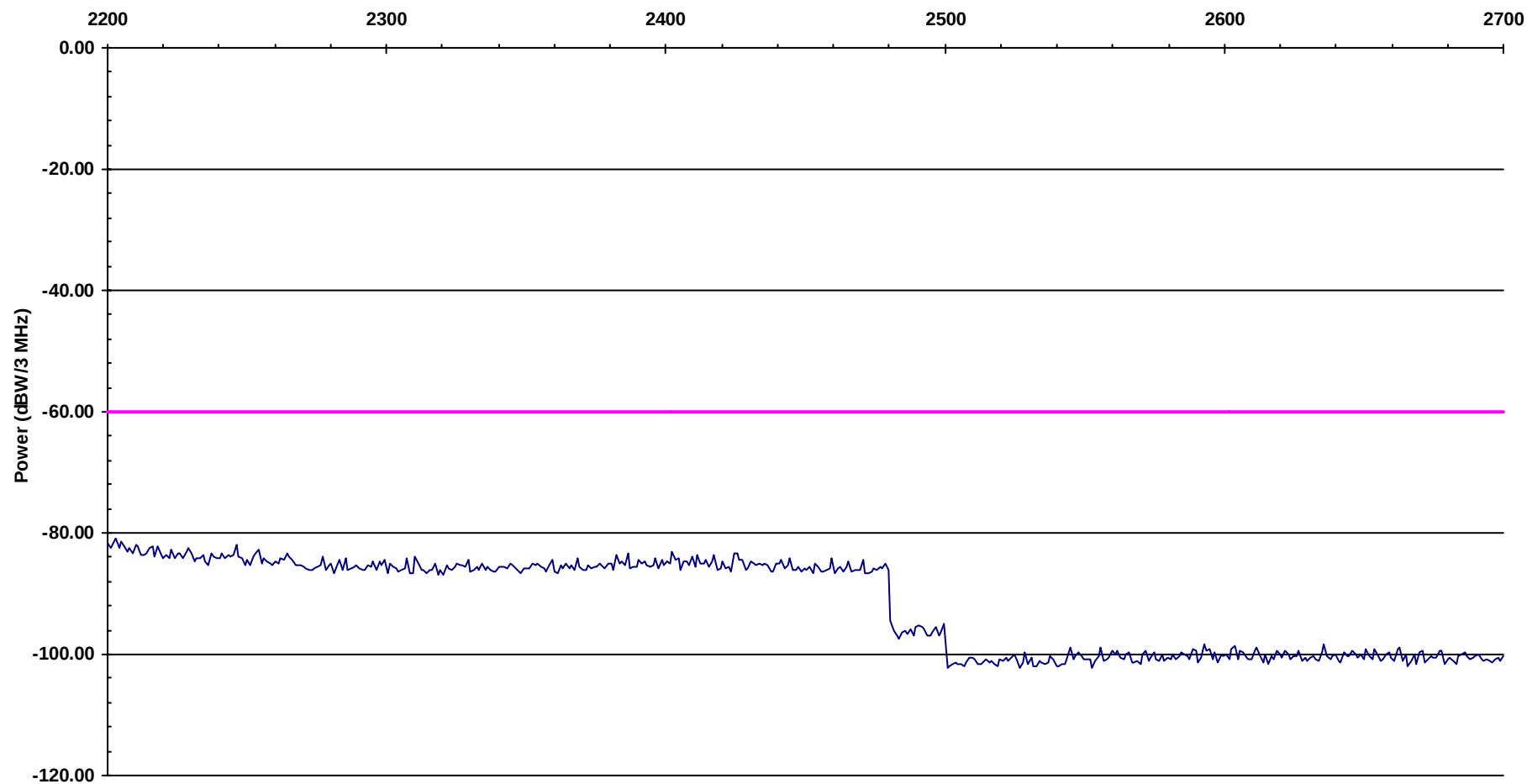
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1666.50MHz to 2200.00MHz

21



Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 2200.00MHz to 2700.00MHz

22

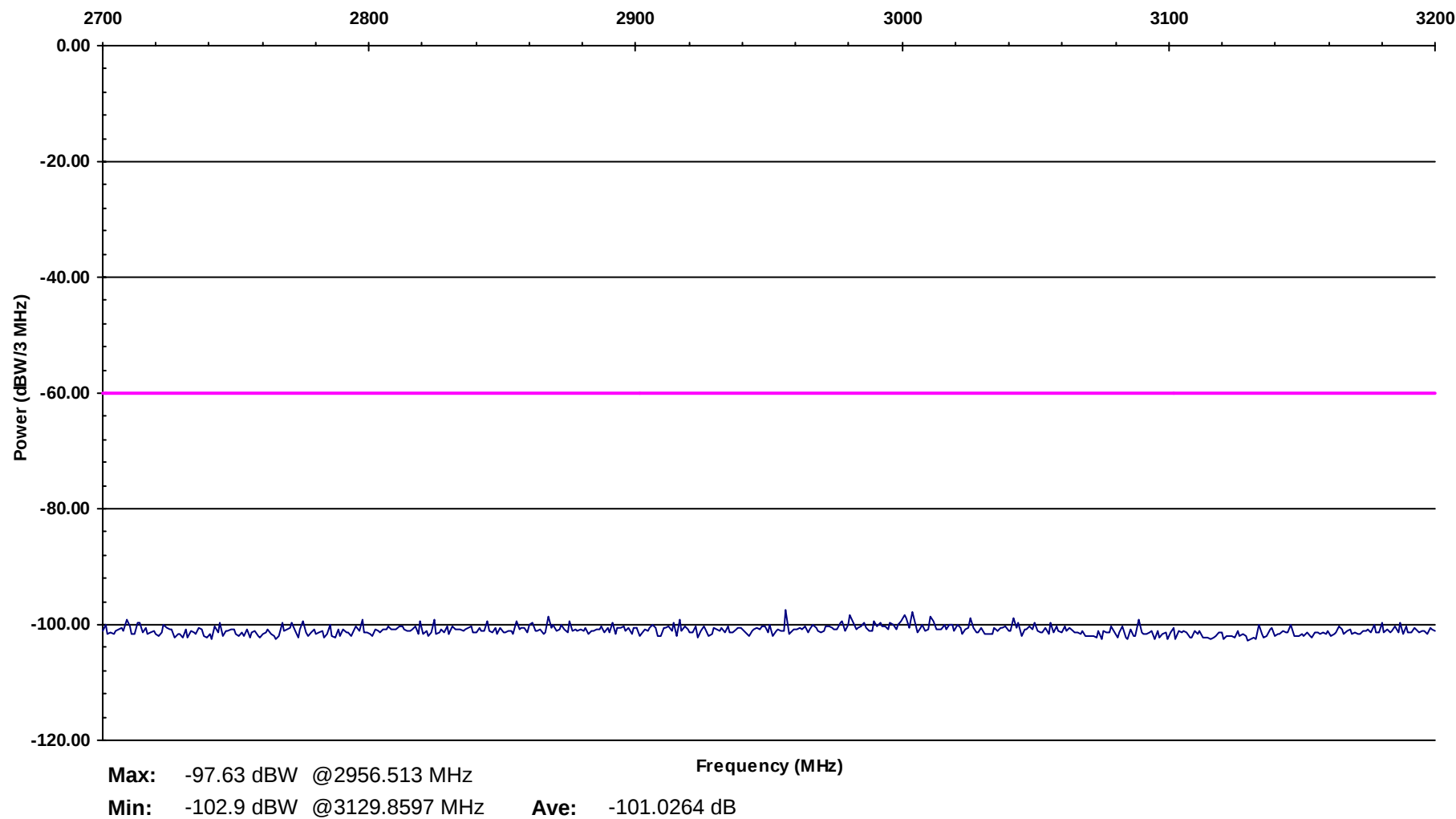


Max: -80.82 dBW @2203.006 MHz

Min: -102.32 dBW @2500.6012 MHz Ave: -91.6822 dB

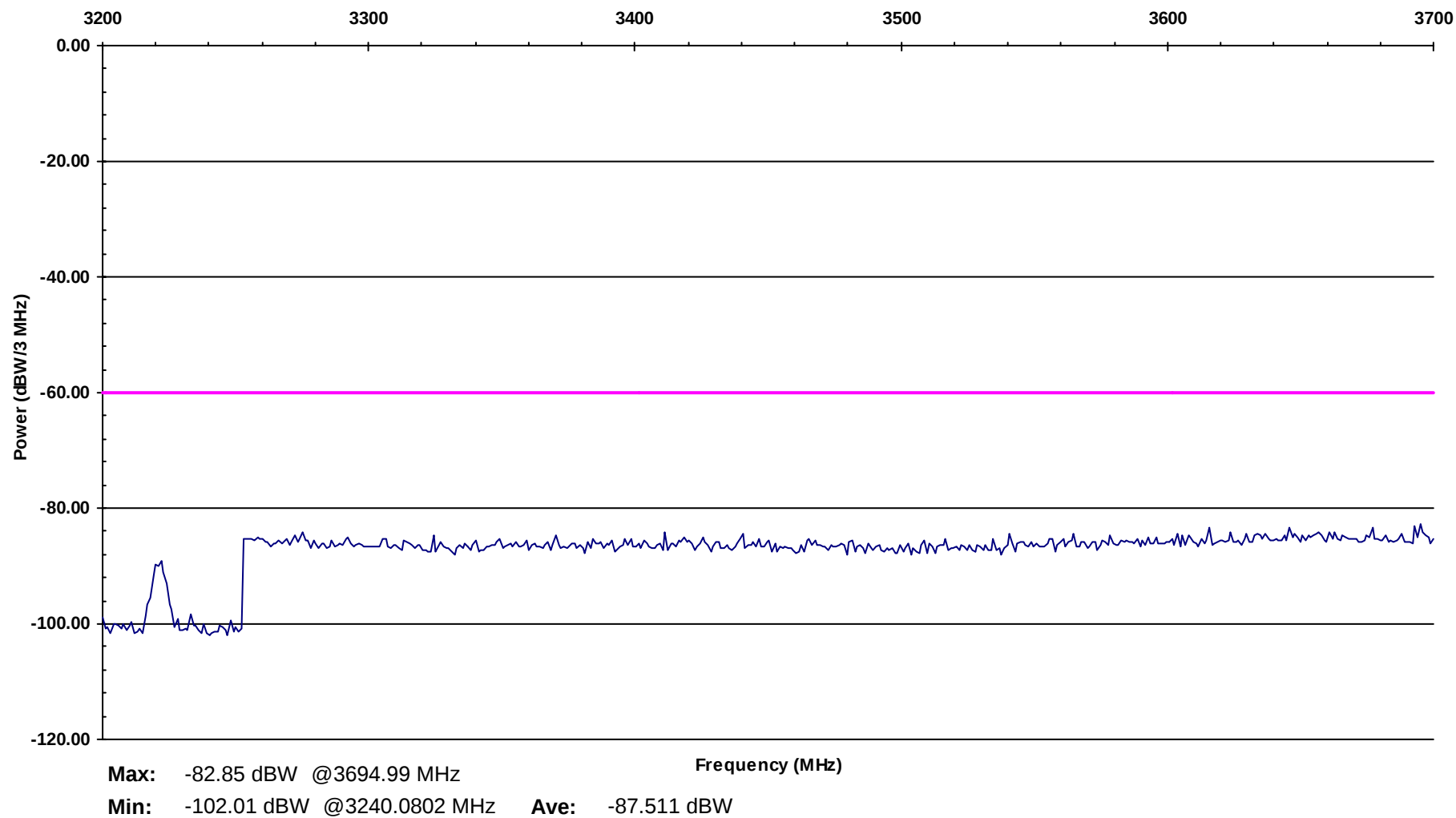
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 2700.00MHz to 3200.00MHz

23



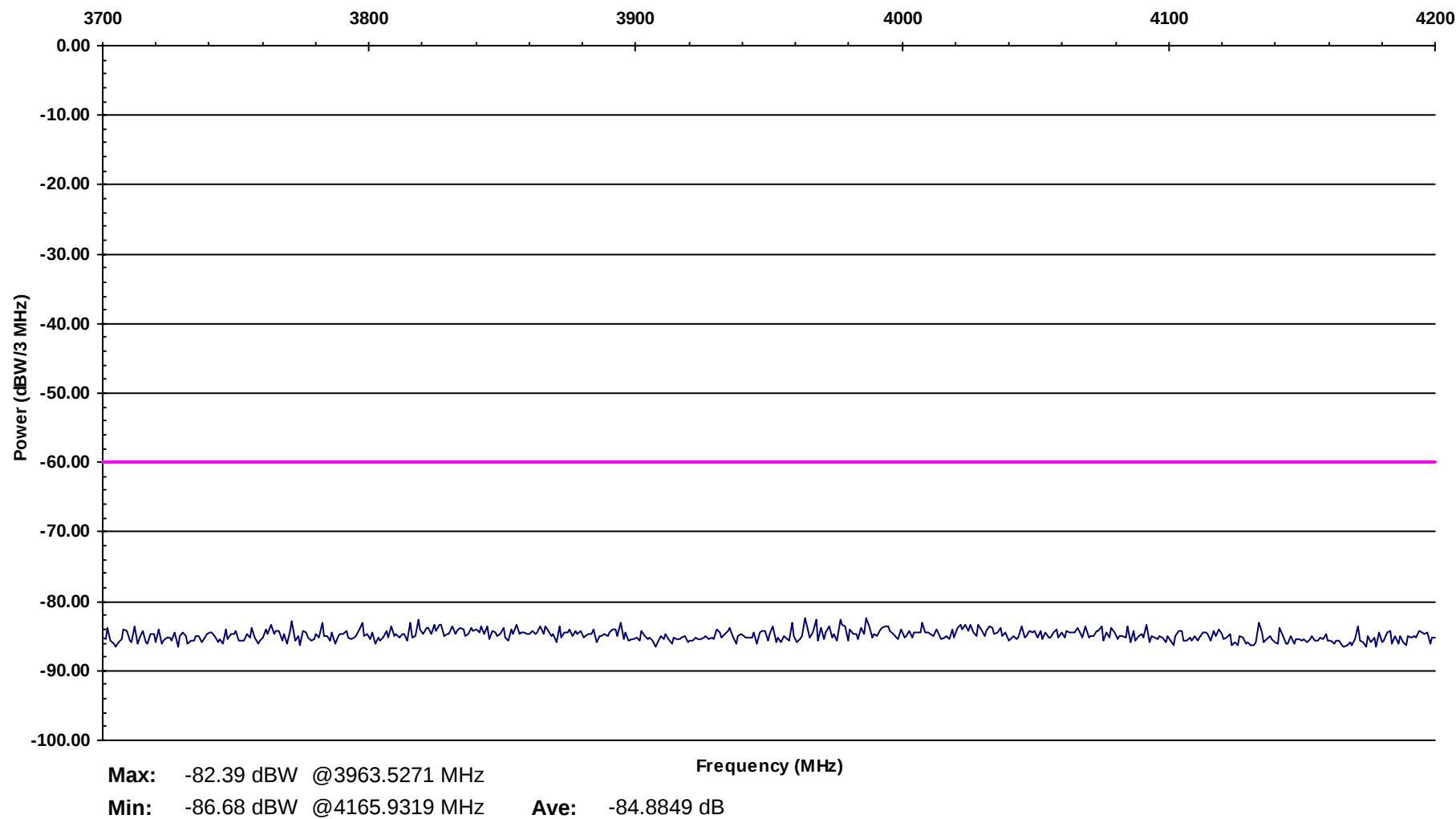
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 3200.00MHz to 3700.00MHz

24



Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 3700.00MHz to 4200.00MHz

25

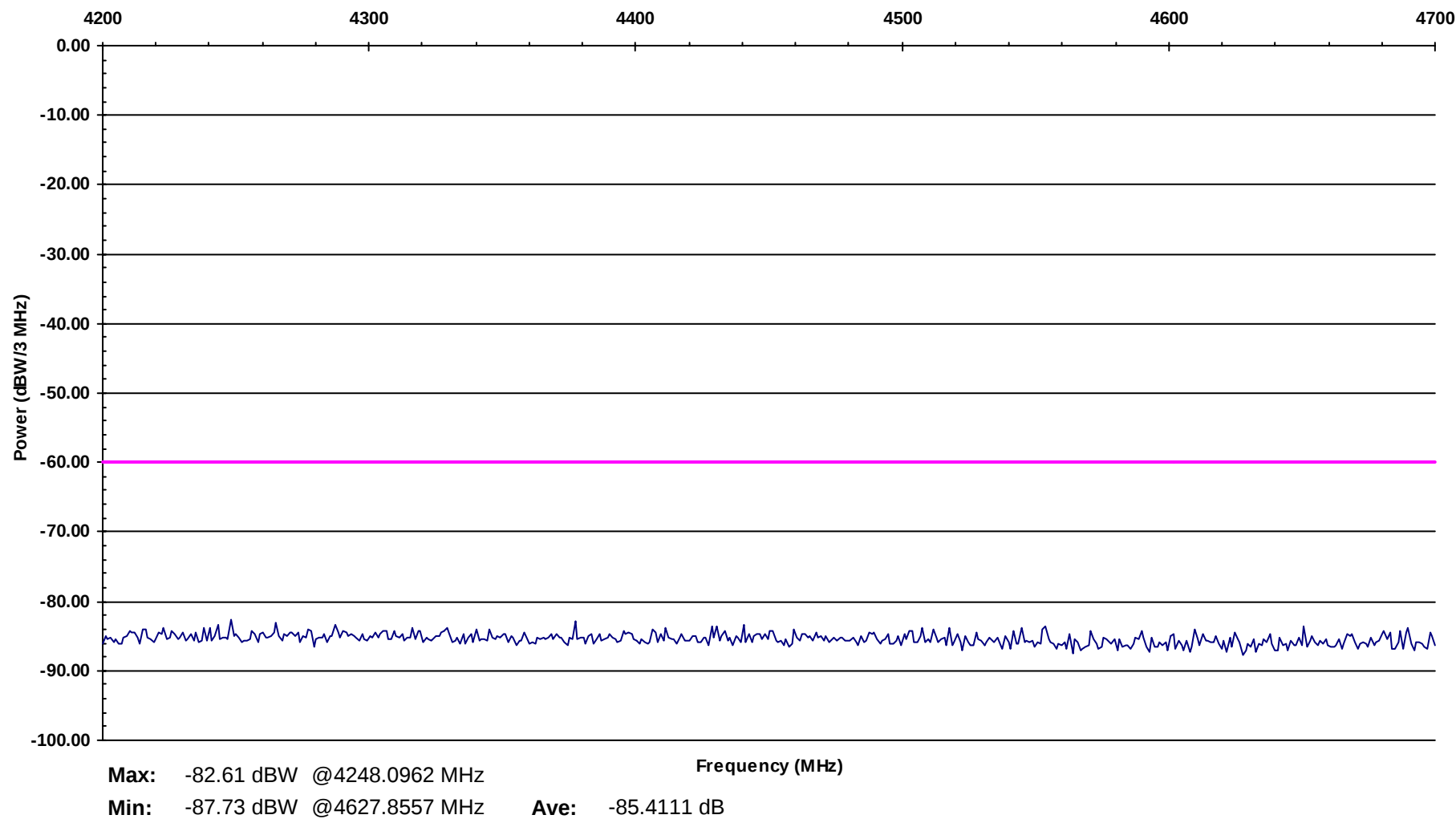


*PlotTitle*

*Plot Number*

Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 4200.00MHz to 4700.00MHz

26

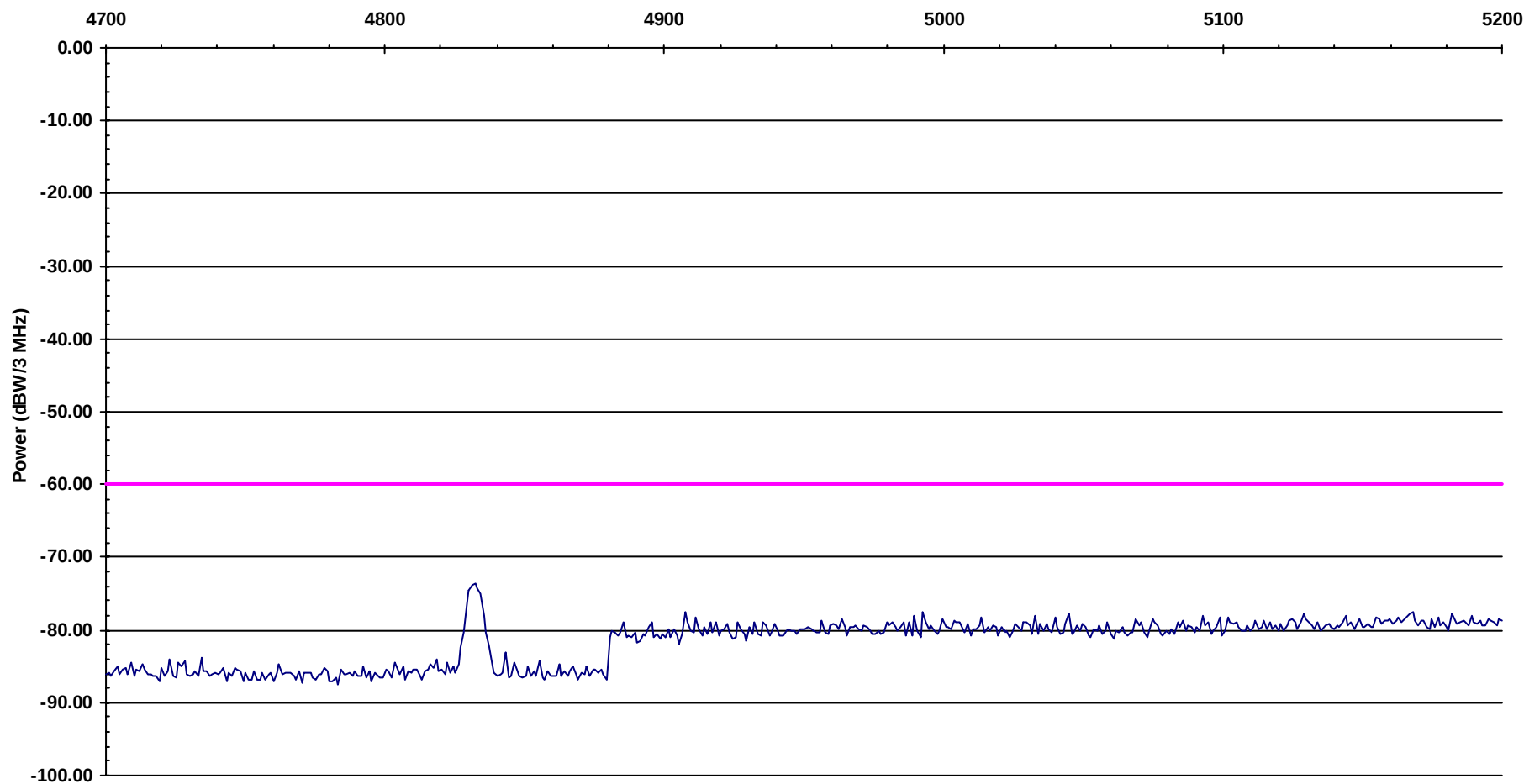


*PlotTitle*

*Plot Number*

Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 4700.00MHz to 5200.00MHz

27

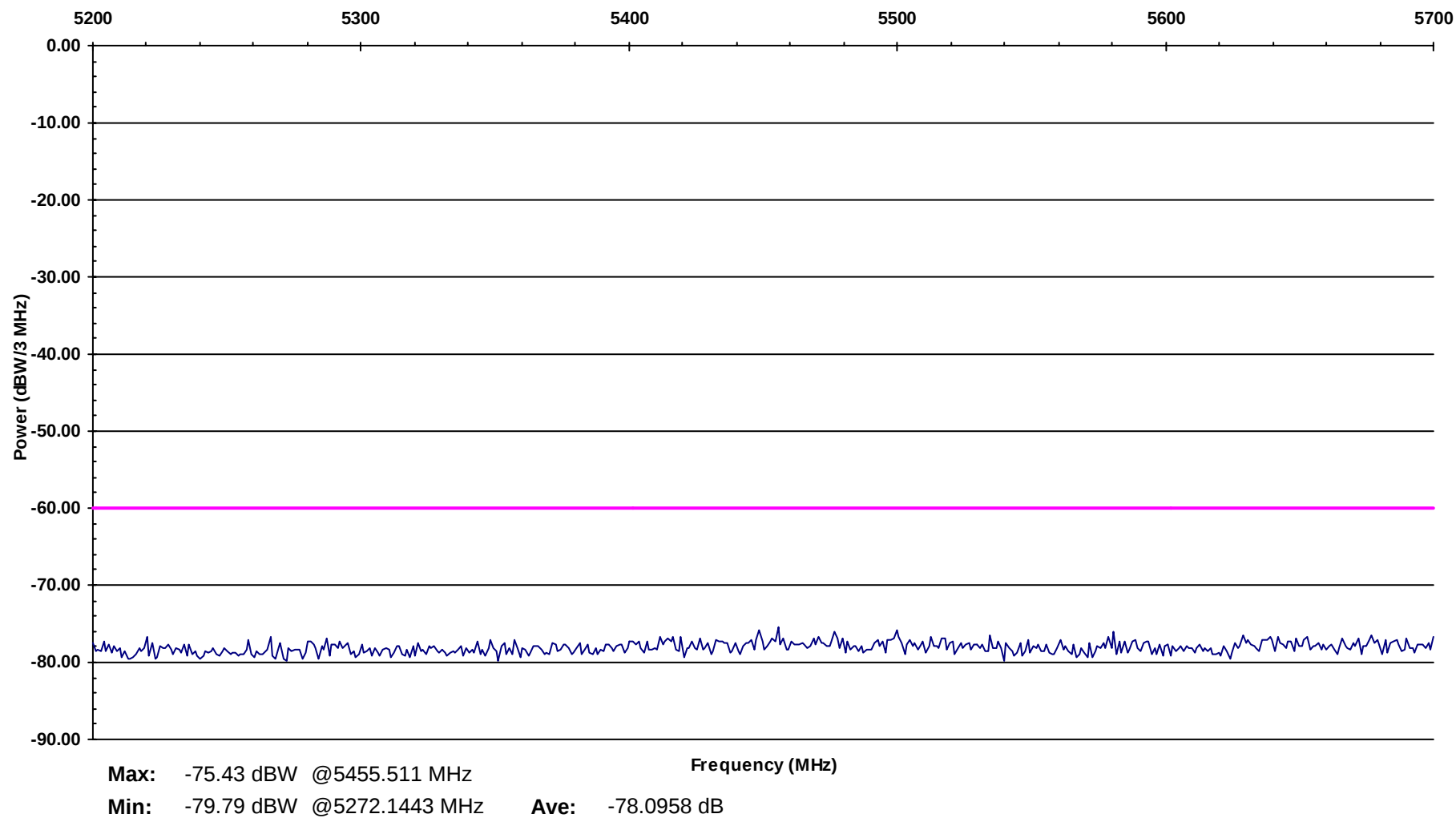


**Max:** -73.54 dBW @4832.2645 MHz

**Min:** -87.45 dBW @4783.1663 MHz    **Ave:** -81.6997 dB

Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 5200.00MHz to 5700.00MHz

28

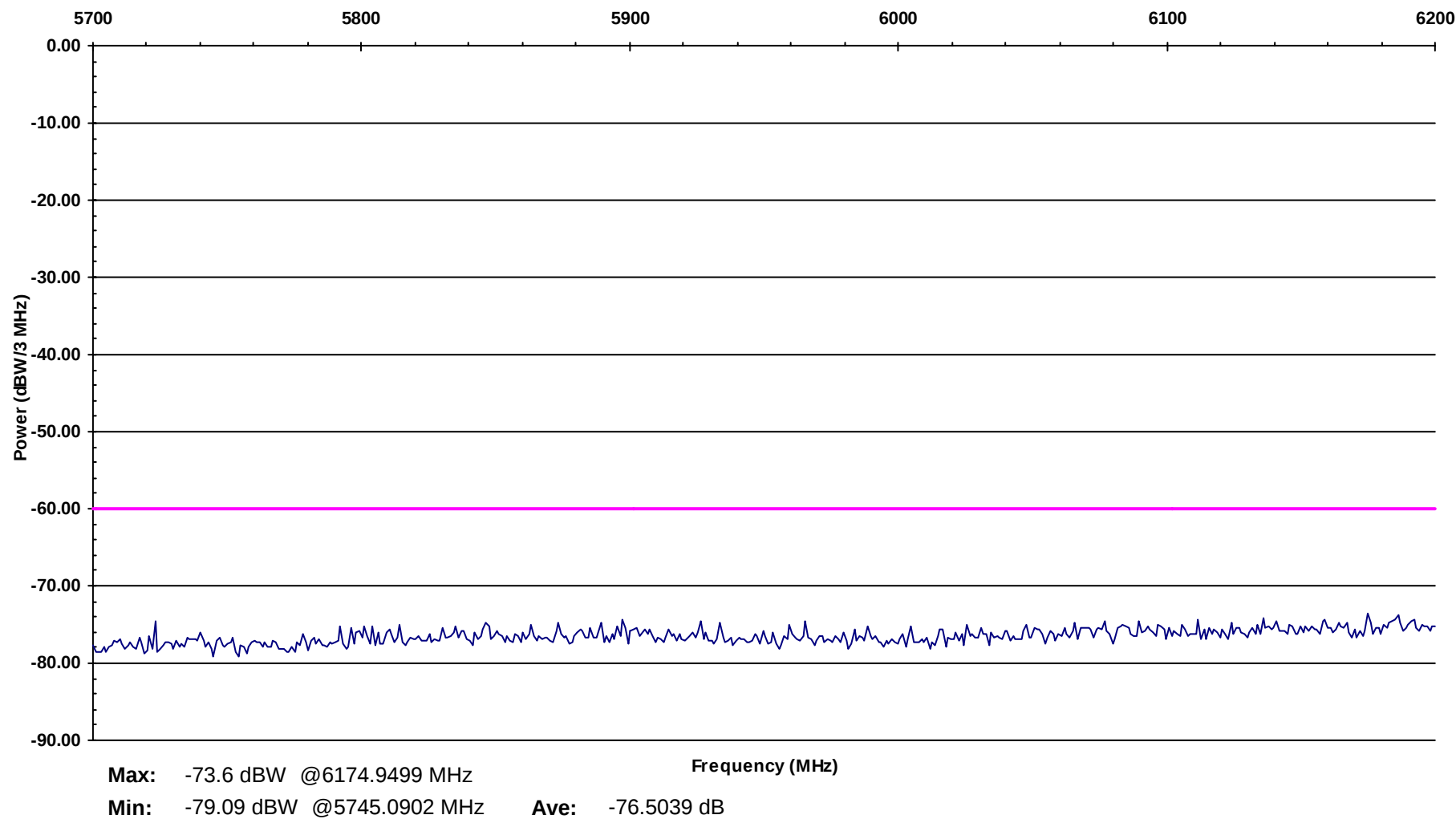


*PlotTitle*

*Plot Number*

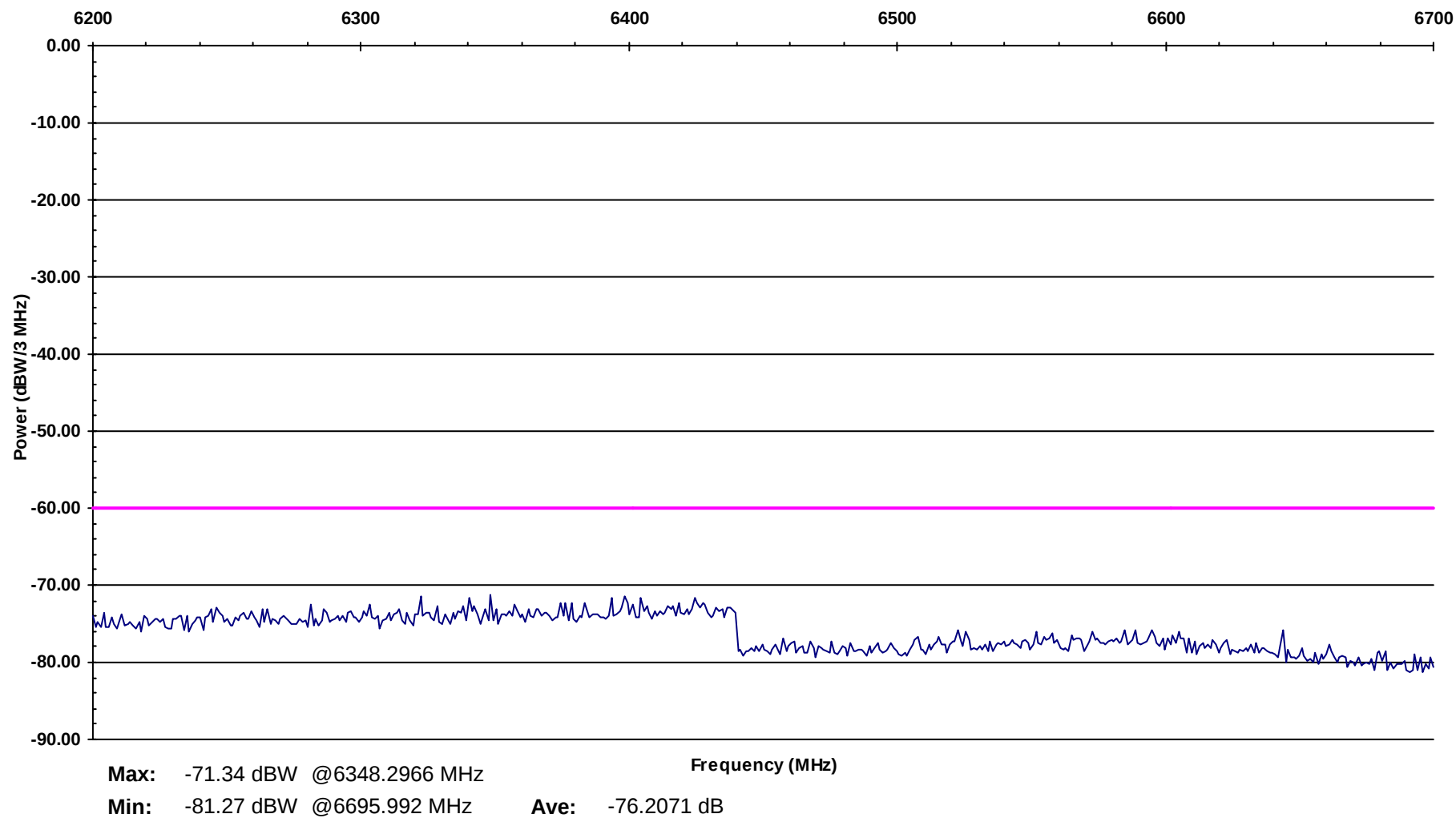
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 5700.00MHz to 6200.00MHz

29



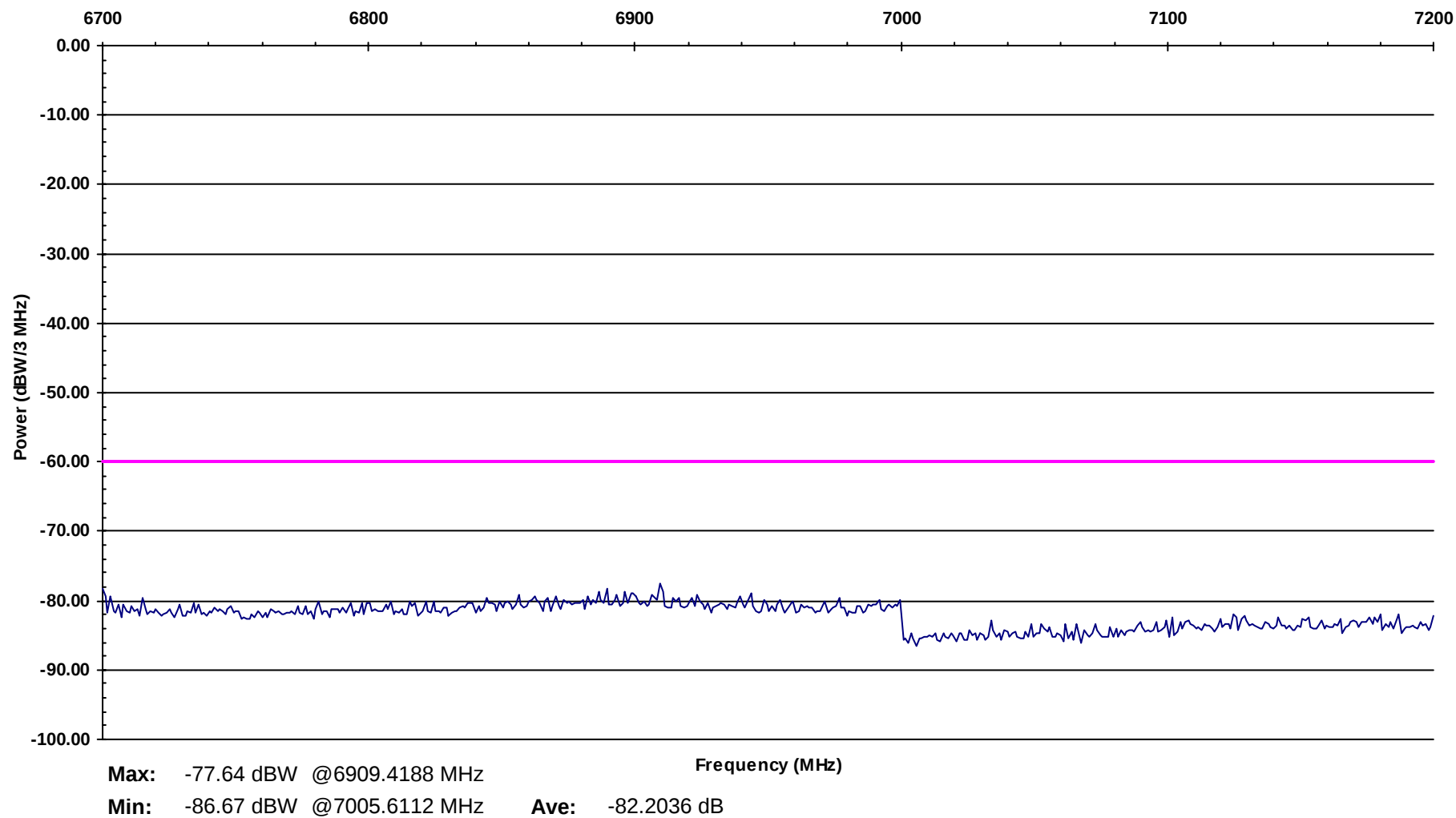
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 6200.00MHz to 6700.00MHz

30



Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 6700.00MHz to 7200.00MHz

31

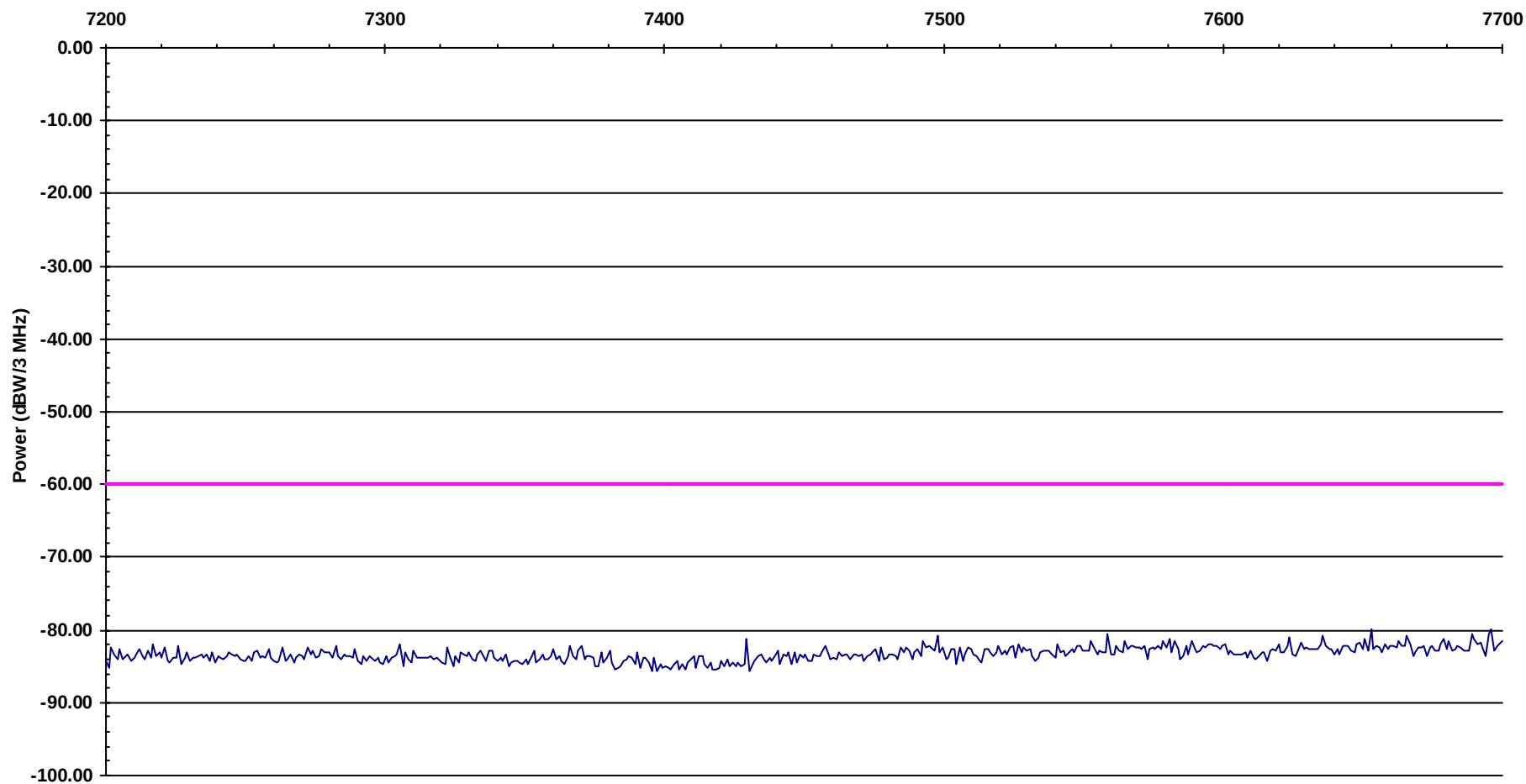


*PlotTitle*

*Plot Number*

Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 7200.00MHz to 7700.00MHz

32

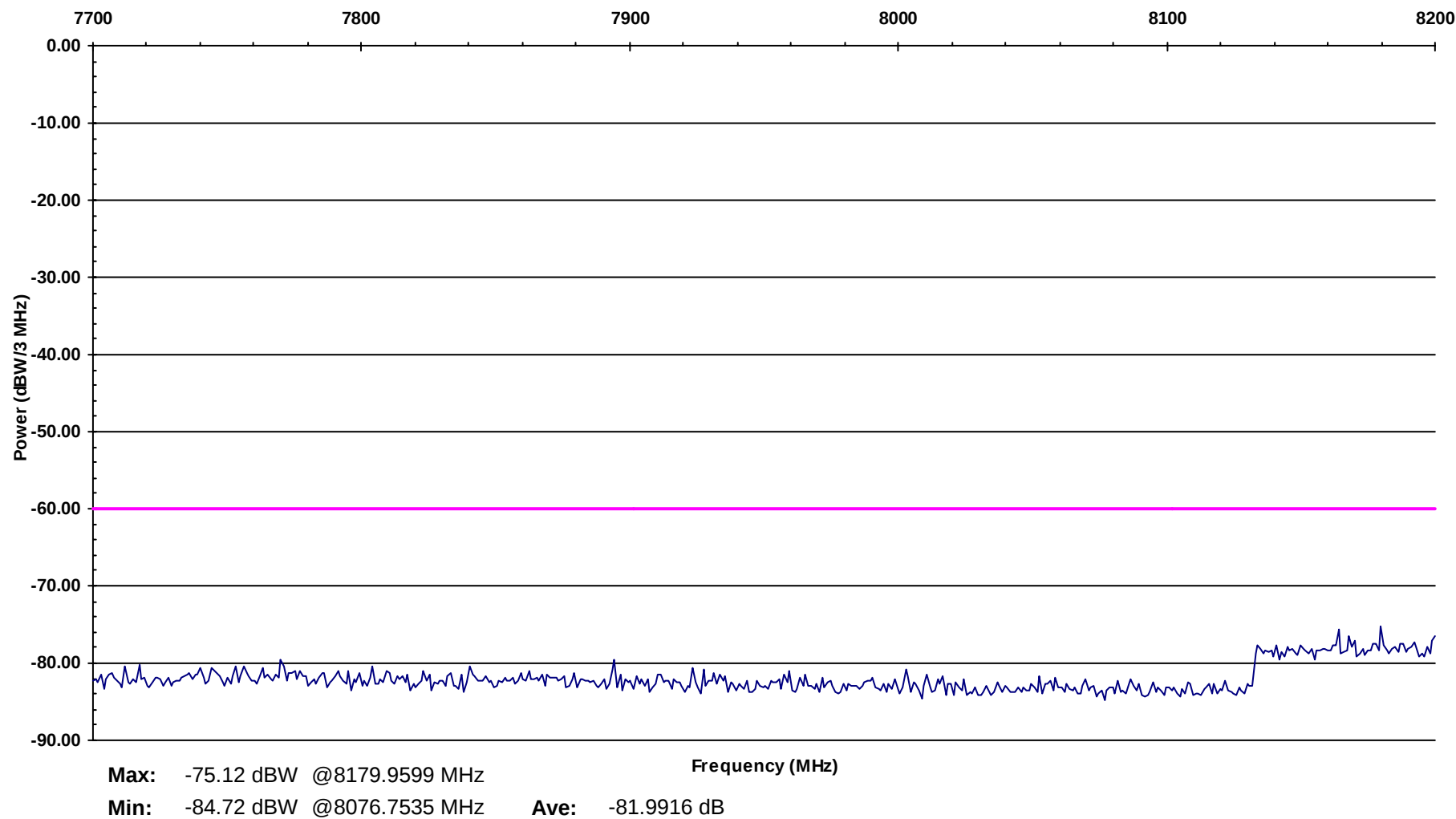


**Max:** -79.79 dBW @7695.992 MHz

**Min:** -85.74 dBW @7397.3948 MHz    **Ave:** -83.3141 dB

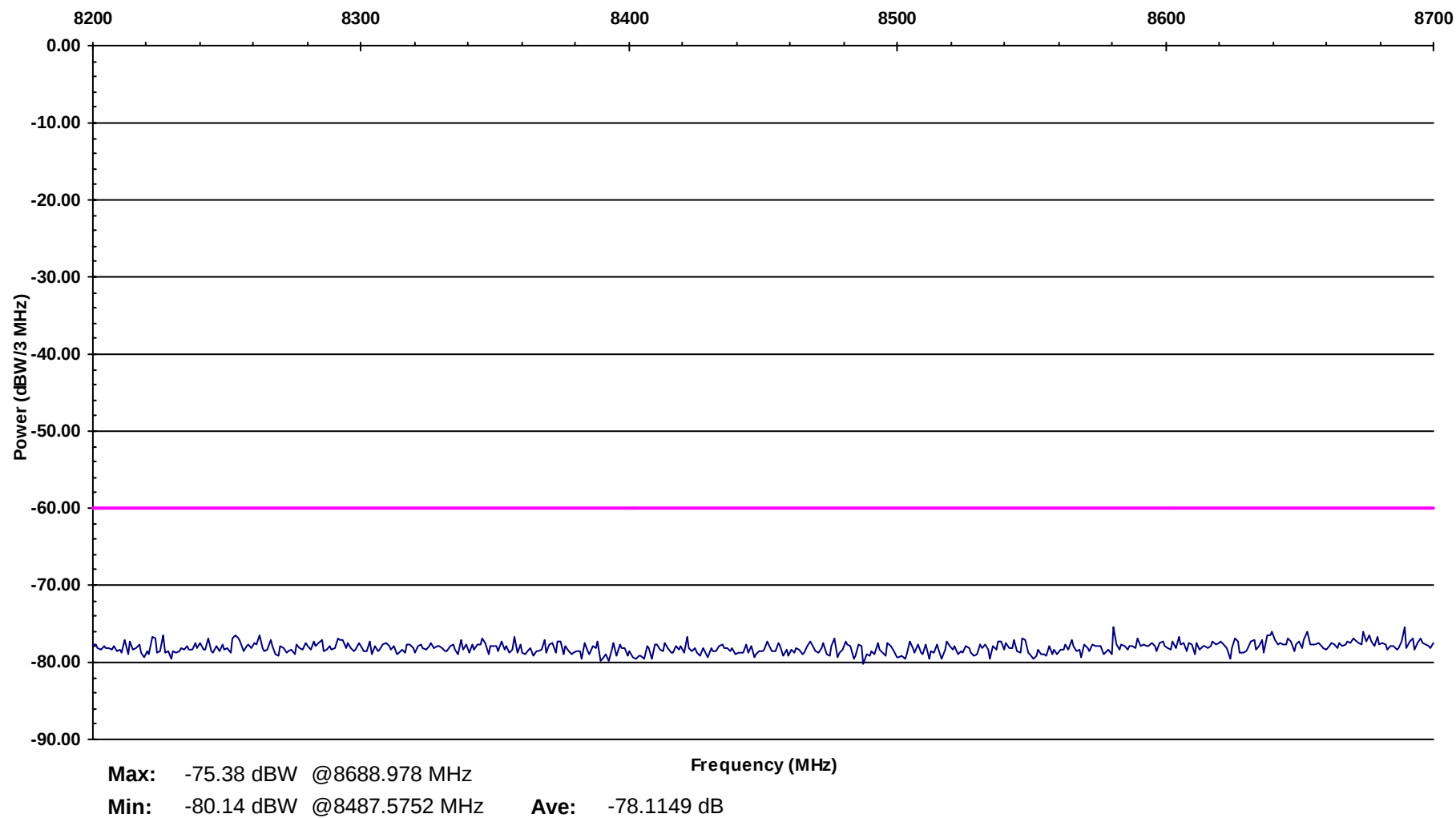
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 7700.00MHz to 8200.00MHz

33



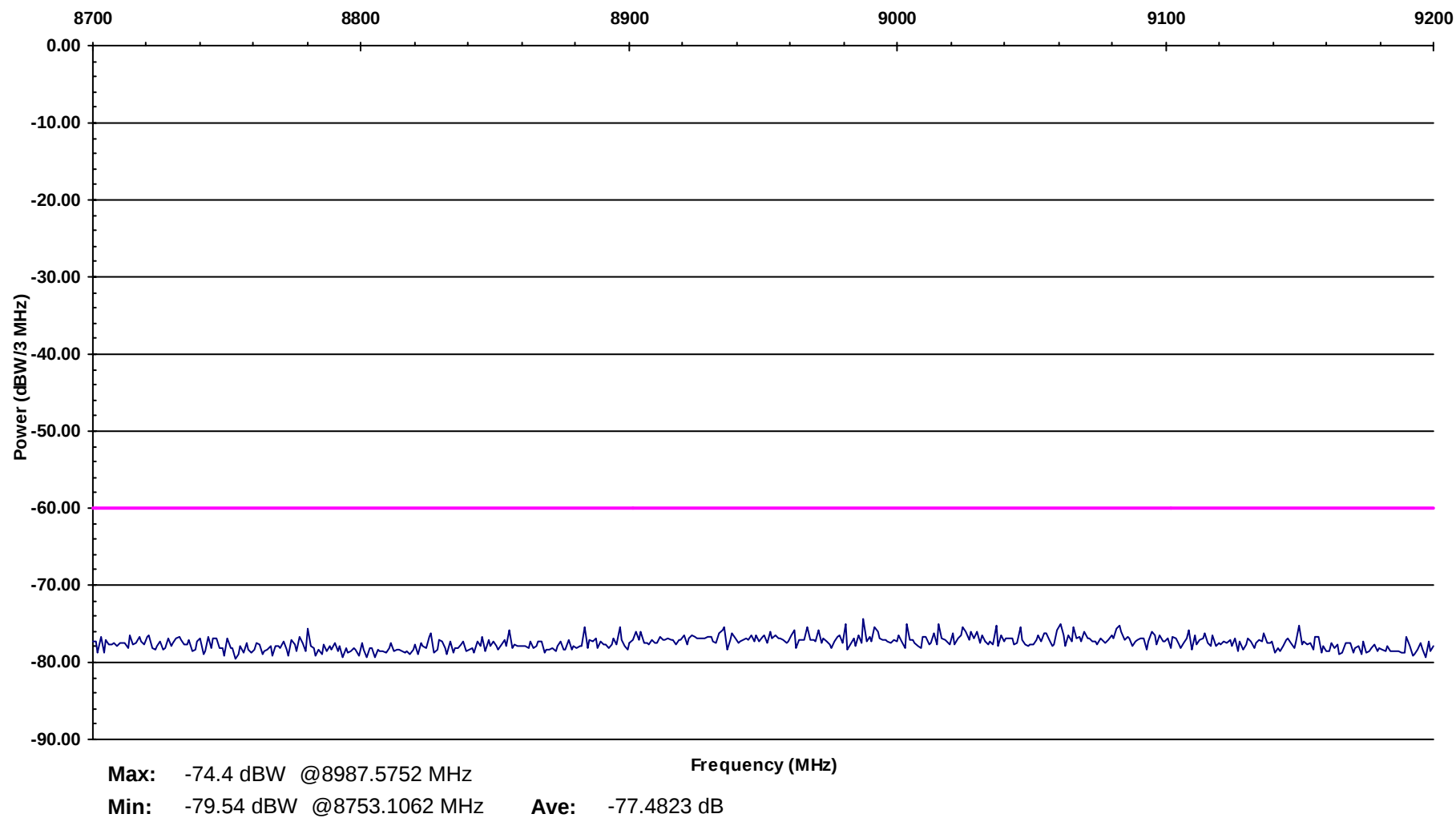
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 8200.00MHz to 8700.00MHz

34



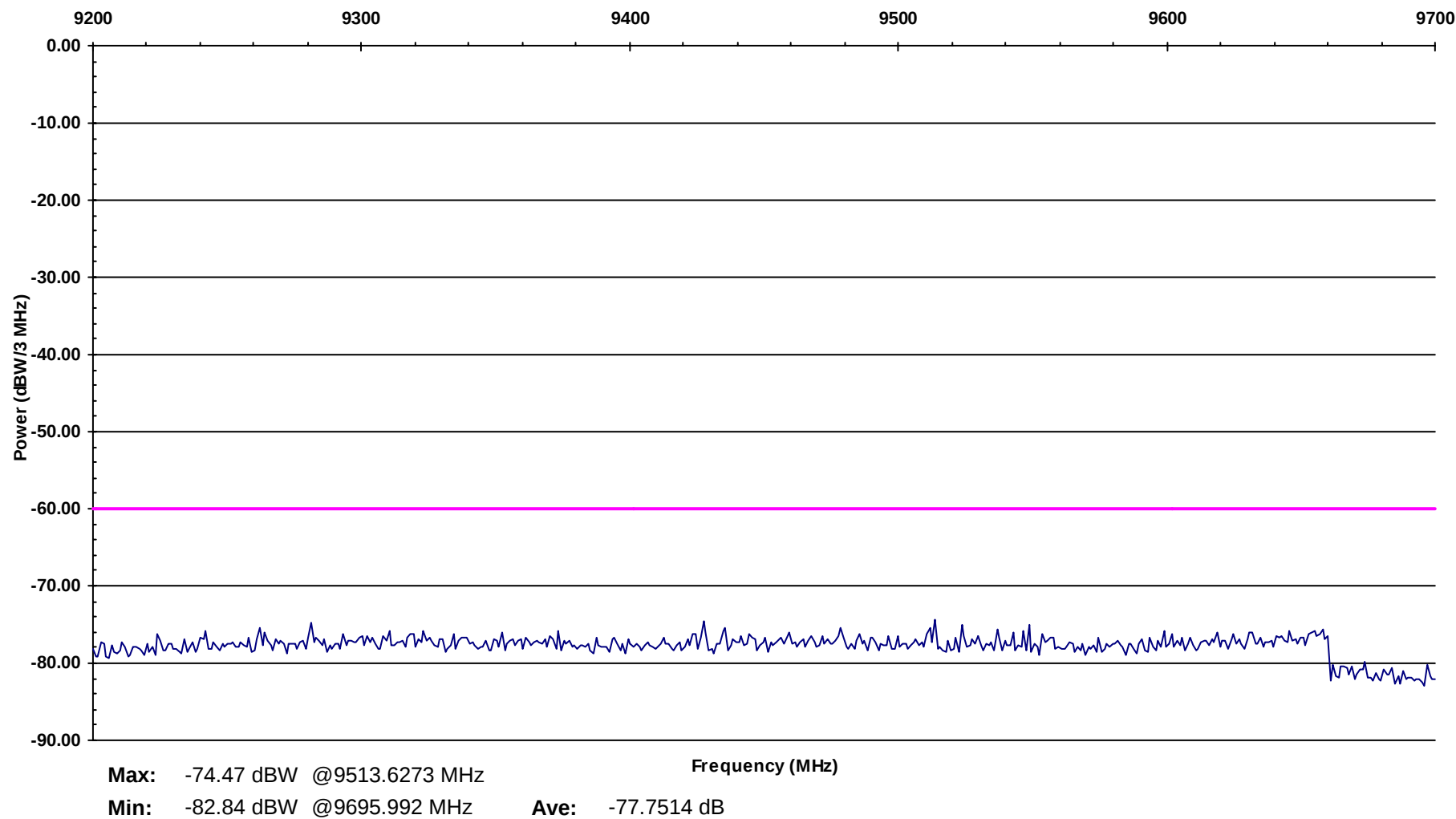
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 8700.00MHz to 9200.00MHz

35



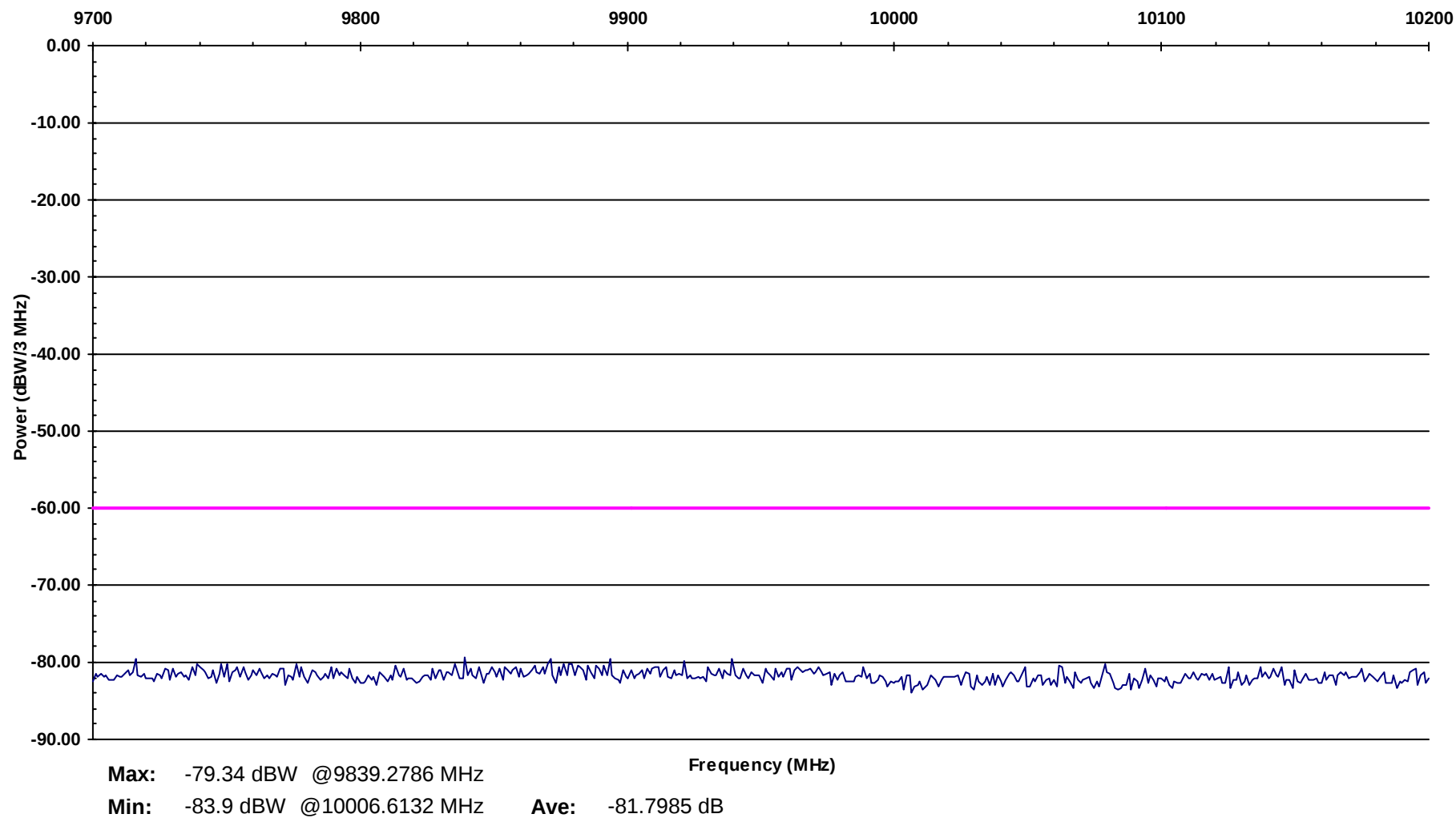
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 9200.00MHz to 9700.00MHz

36



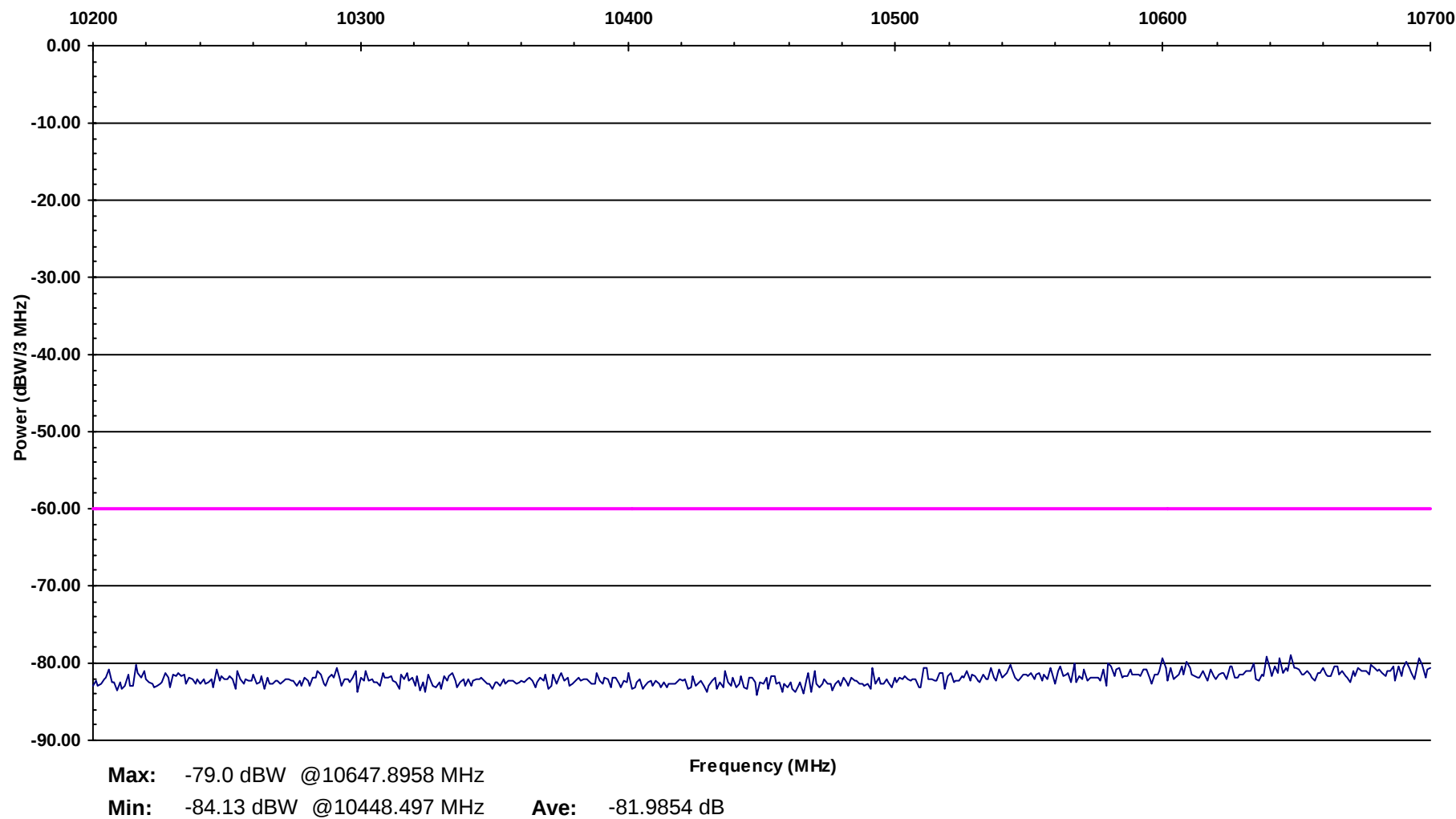
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 9700.00MHz to 10200.00MHz

37



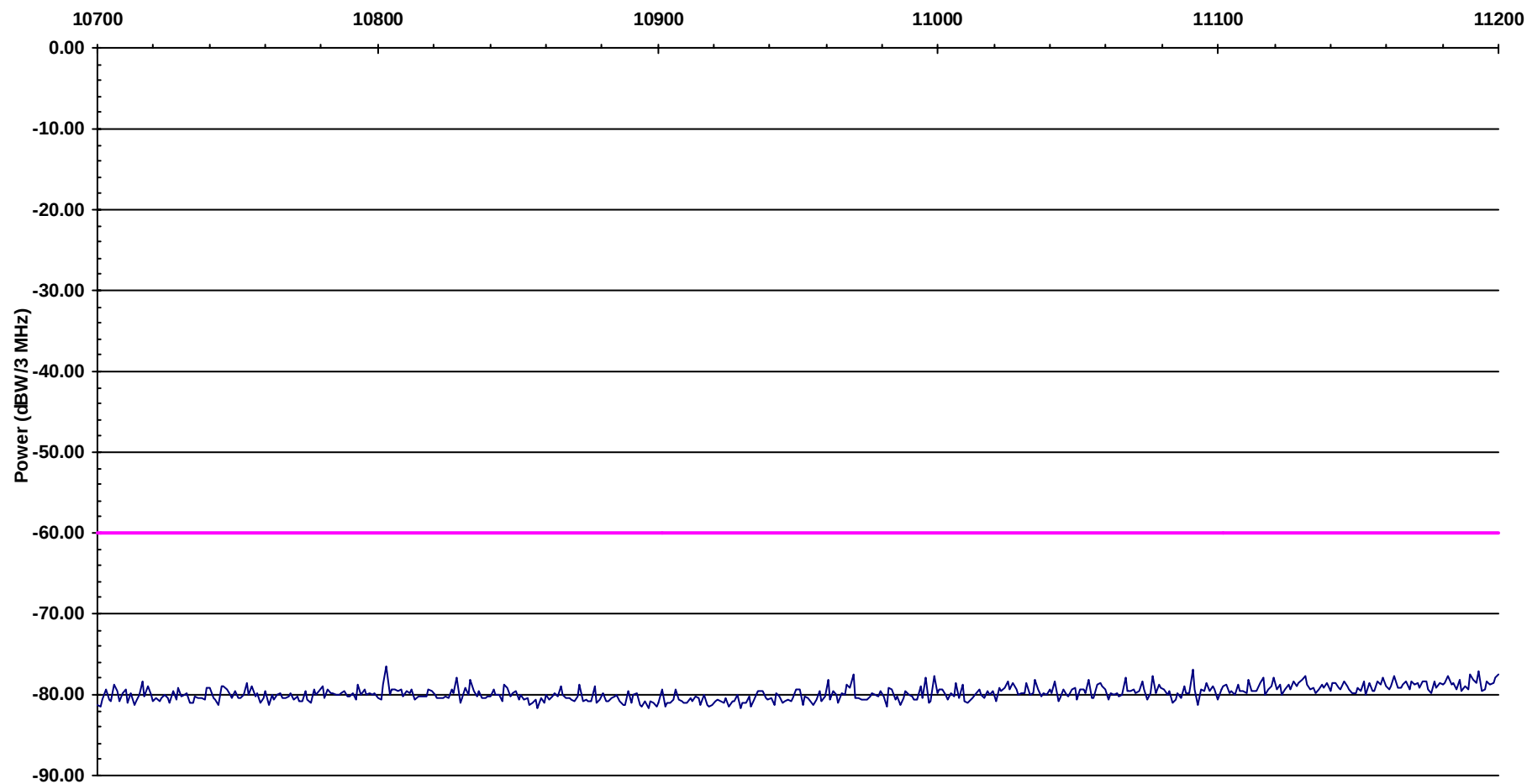
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 10200.00MHz to 10700.00MHz

38



Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 10700.00MHz to 11200.00MHz

39

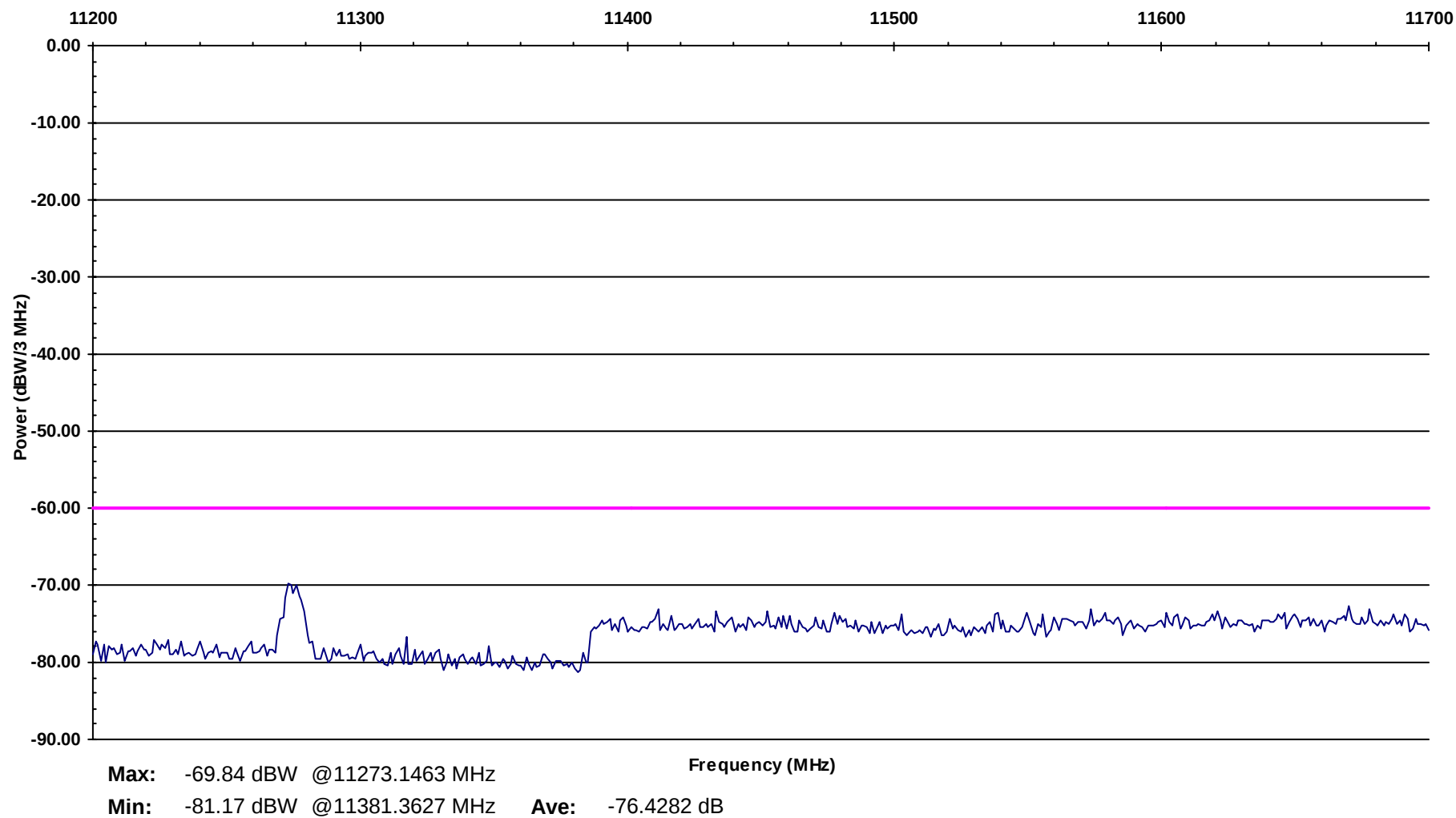


Max: -76.54 dBW @10803.2064 MHz

Min: -81.7 dBW @10929.4589 MHz Ave: -79.8245 dB

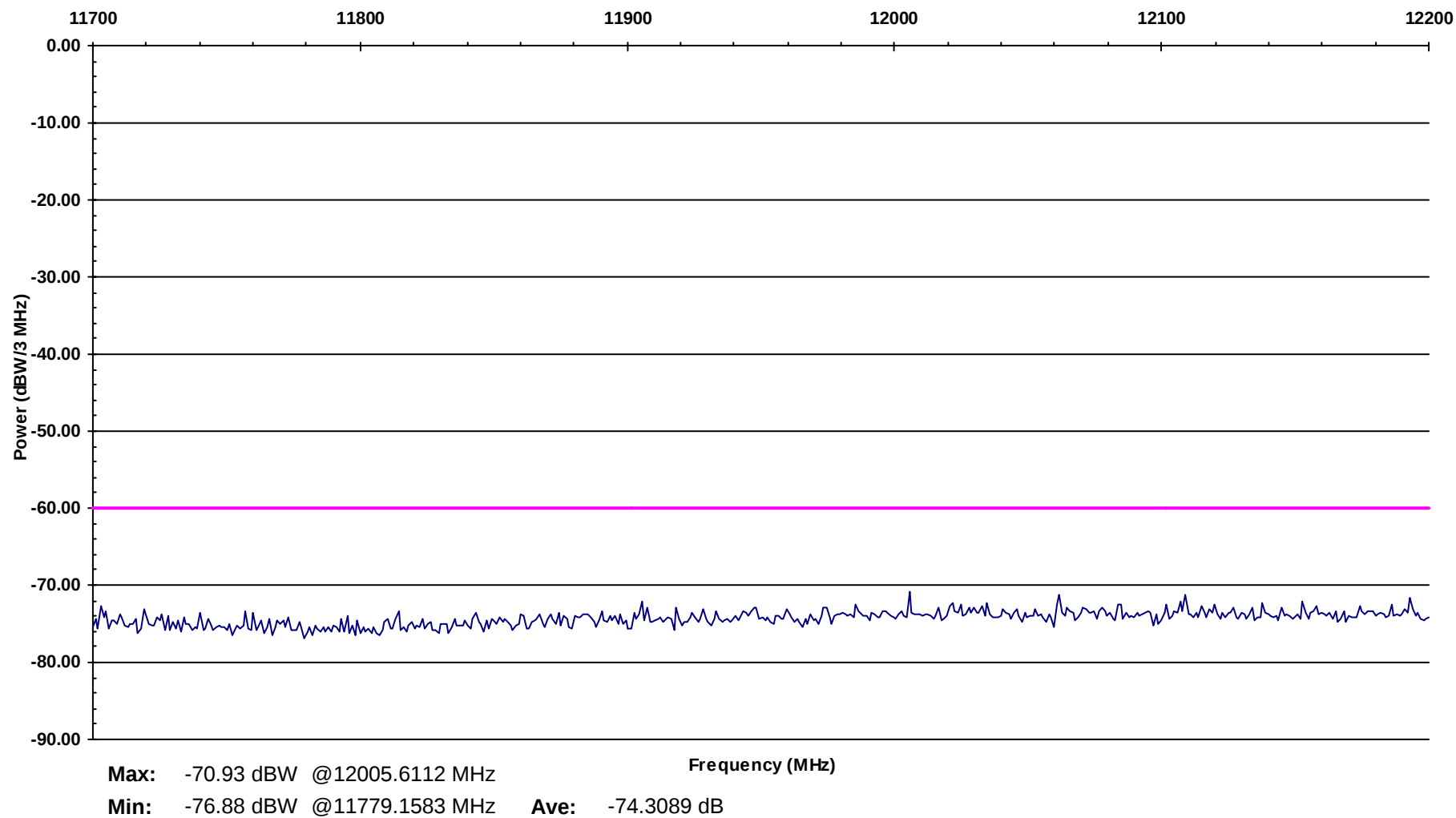
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 11200.00MHz to 11700.00MHz

40



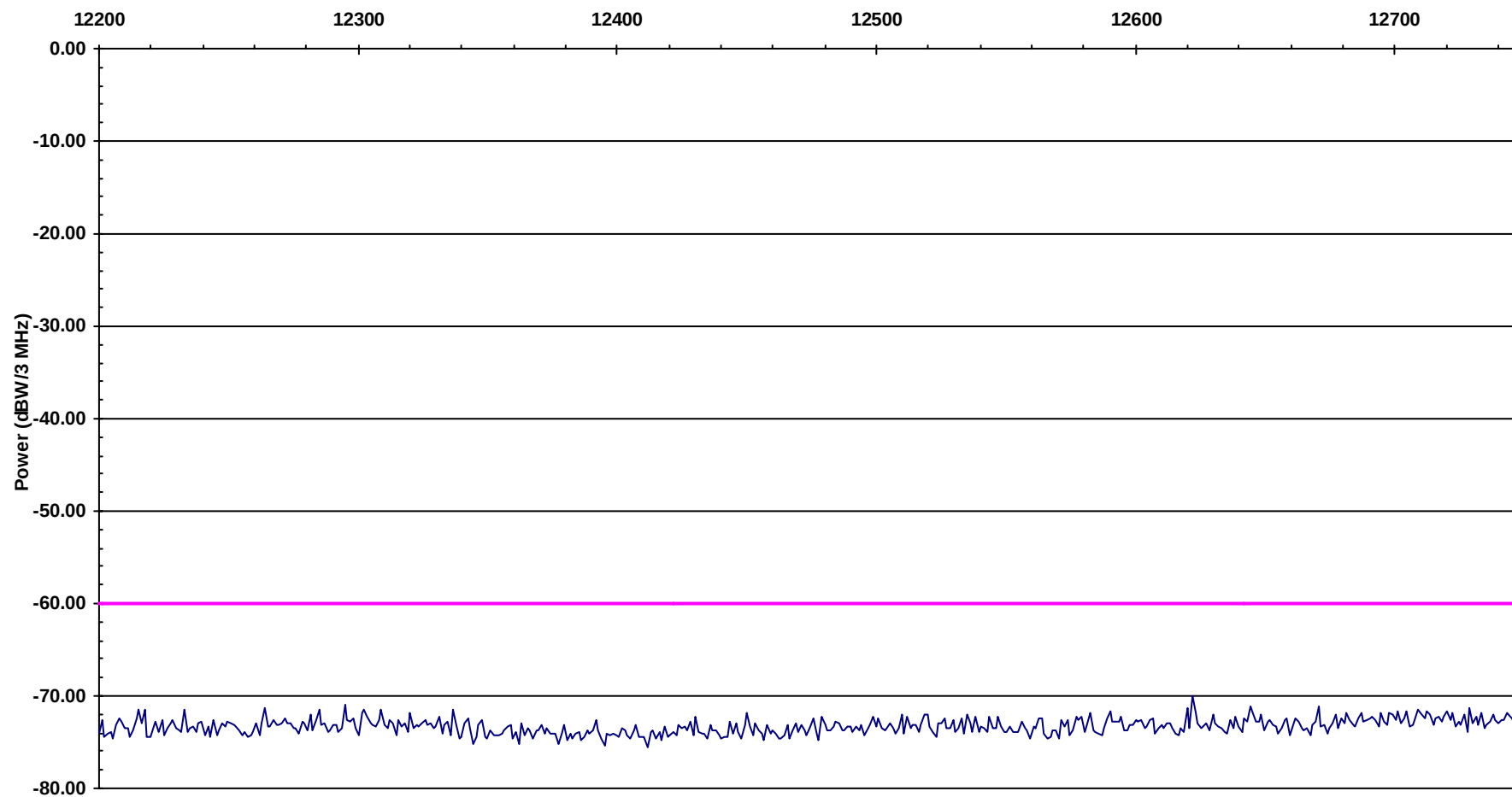
Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 11700.00MHz to 12200.00MHz

41



Channel# 4 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 12200.00MHz to 12750.00MHz

42



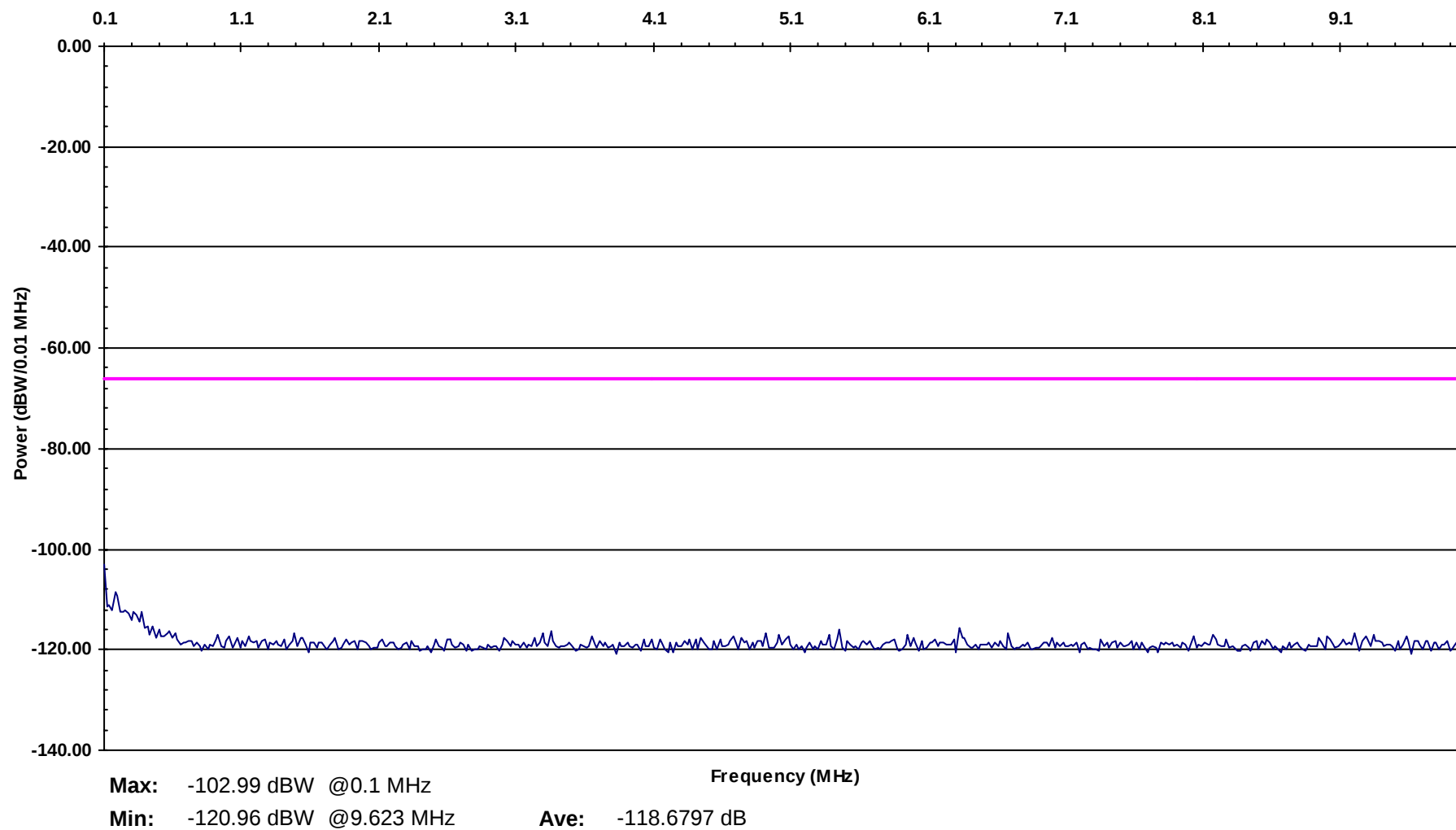
Max: -70.09 dBW @12622.1443 MHz

Frequency (MHz)

Min: -75.52 dBW @12411.6232 MHz Ave: -73.2885 dB

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 0.10MHz to 10.00MHz

57

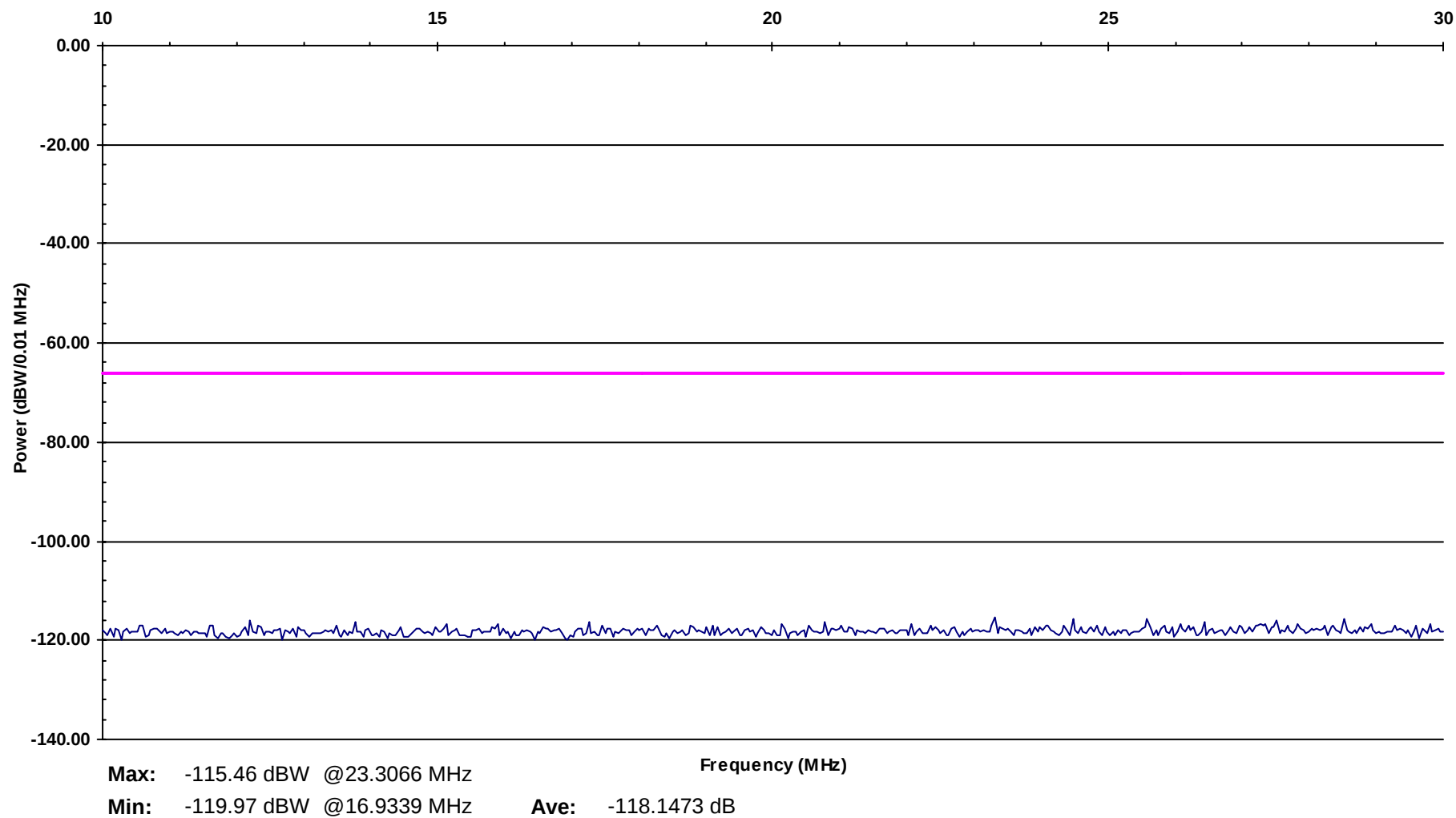


*PlotTitle*

*Plot Number*

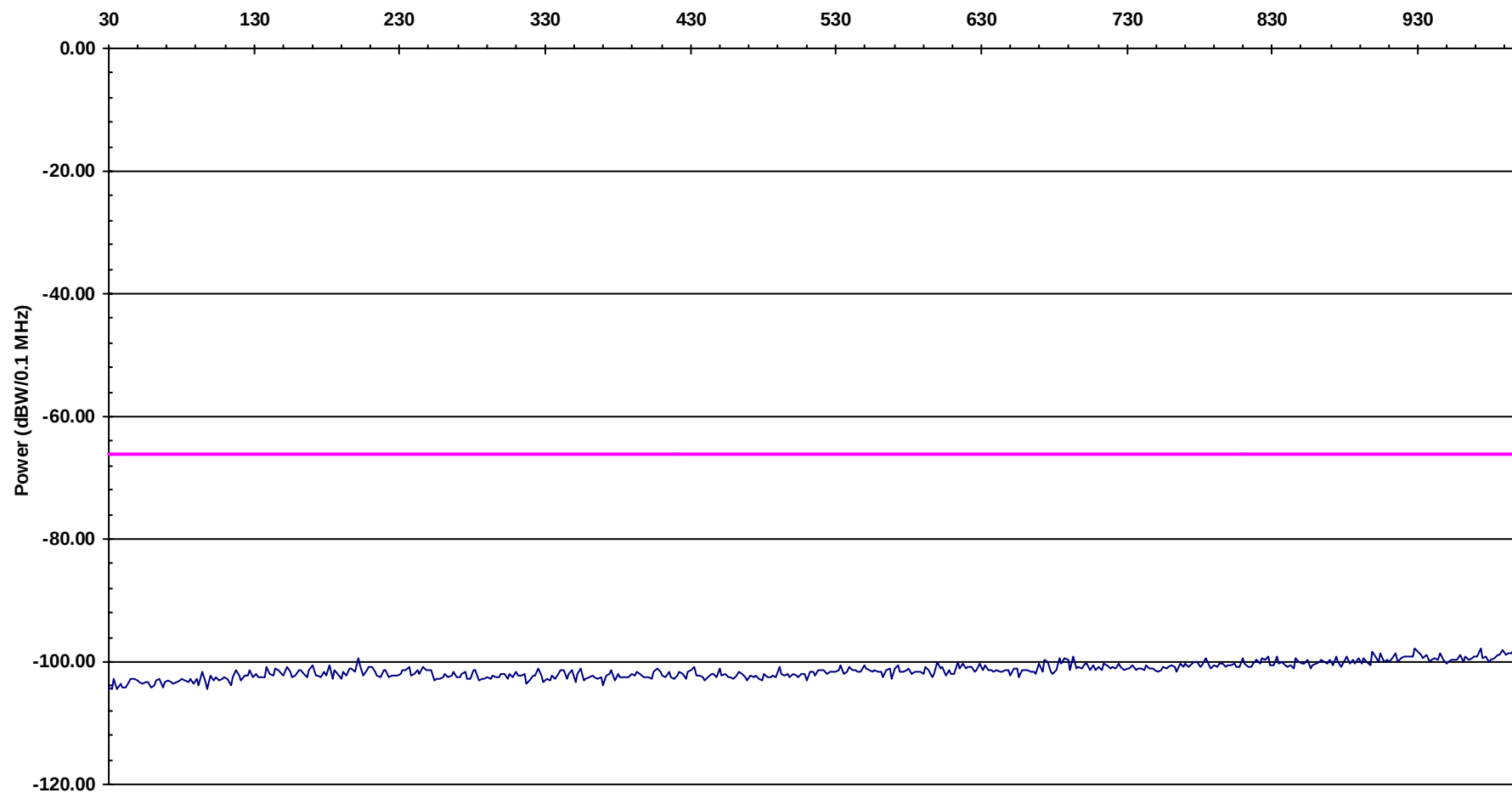
Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 10.00MHz to 30.00MHz

58



Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 30.00MHz to 1000.00MHz

59



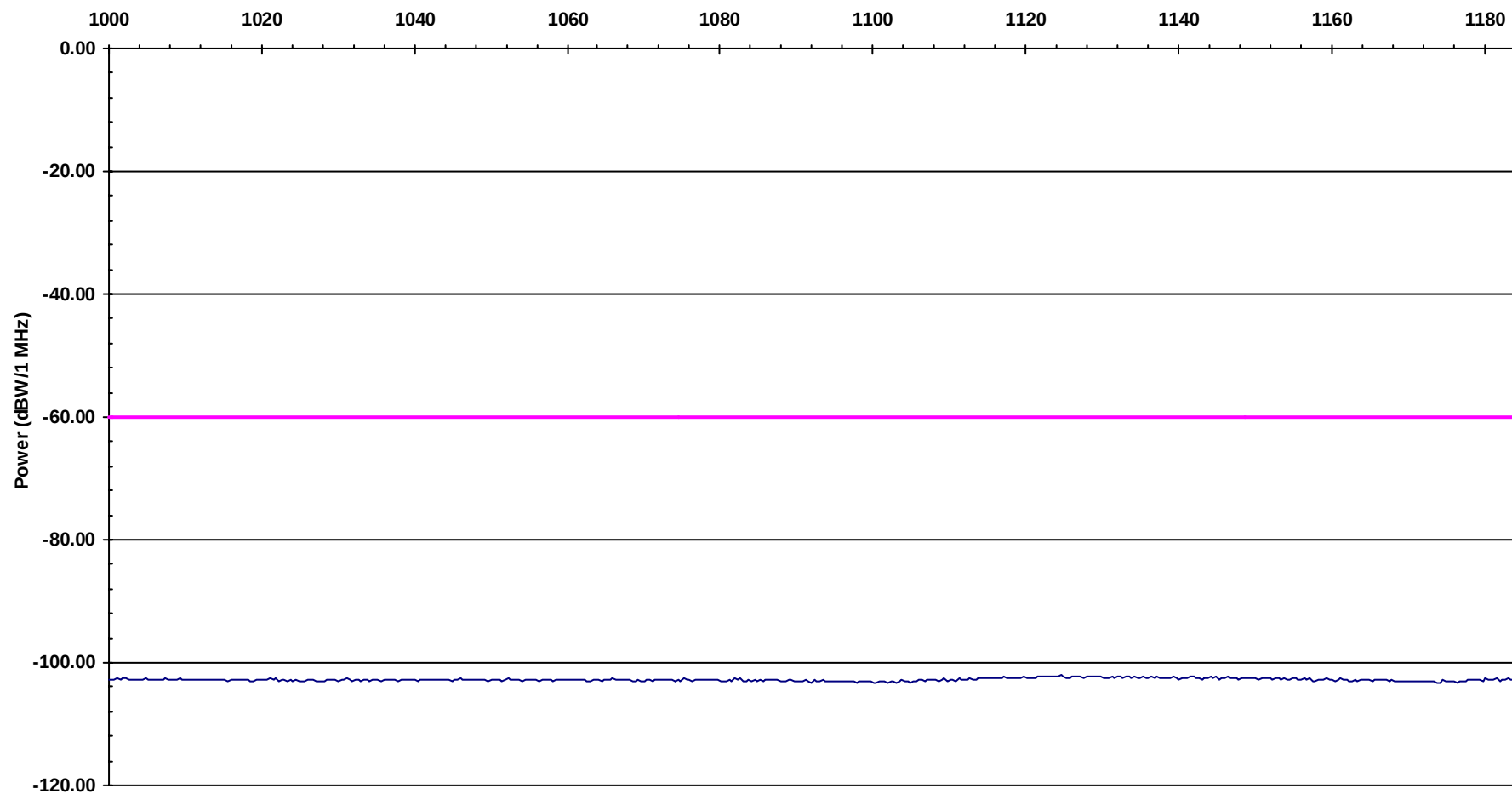
Max: -97.61 dBW @998.0561 MHz

Min: -104.56 dBW @31.9439 MHz

Ave: -101.4052 dB

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1000.00MHz to 1185.00MHz

60

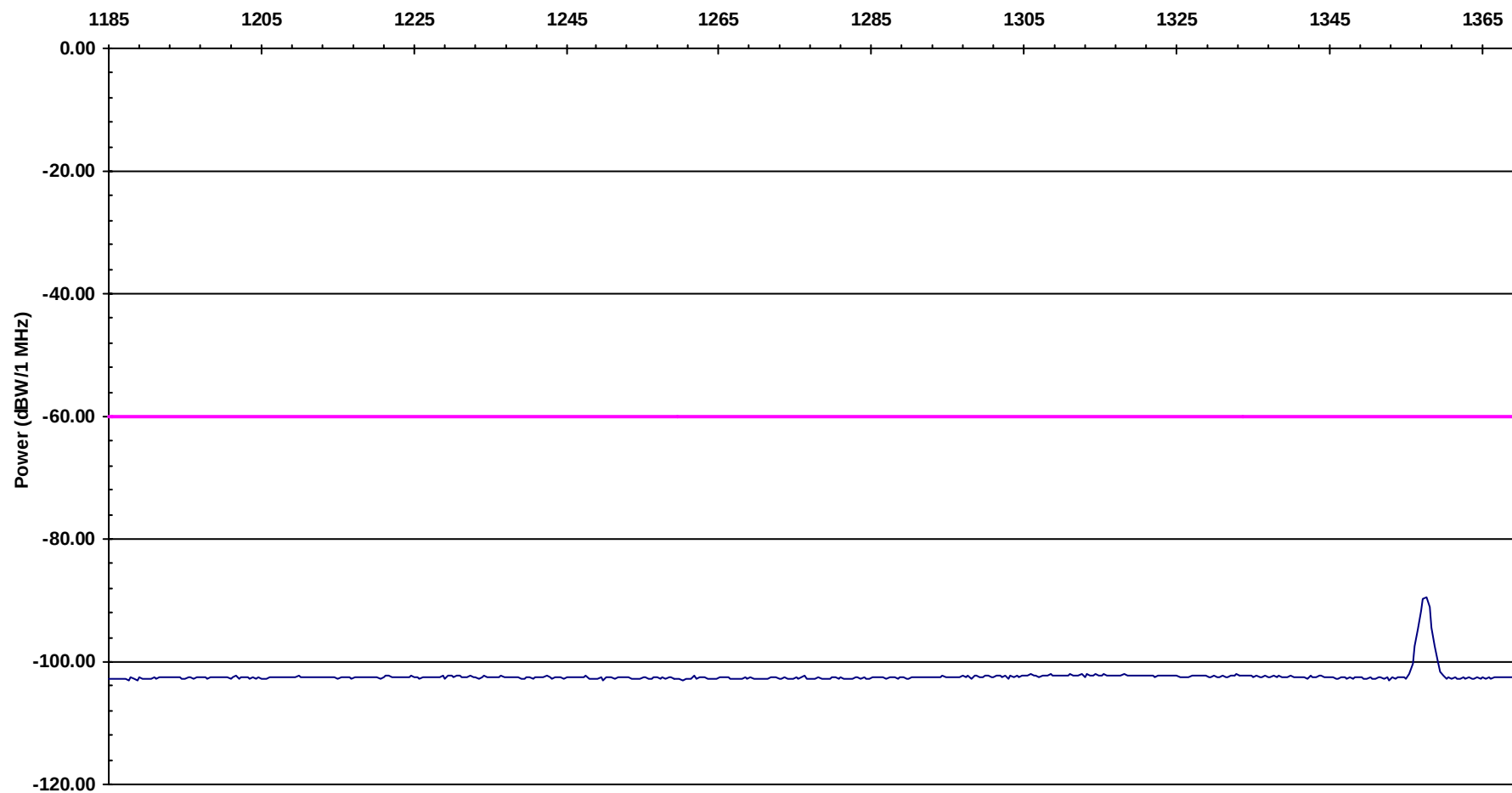


Max: -102.05 dBW @1124.5691 MHz

Min: -103.45 dBW @1100.1002 MHz Ave: -102.7655 dB

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1185.00MHz to 1370.00MHz

61

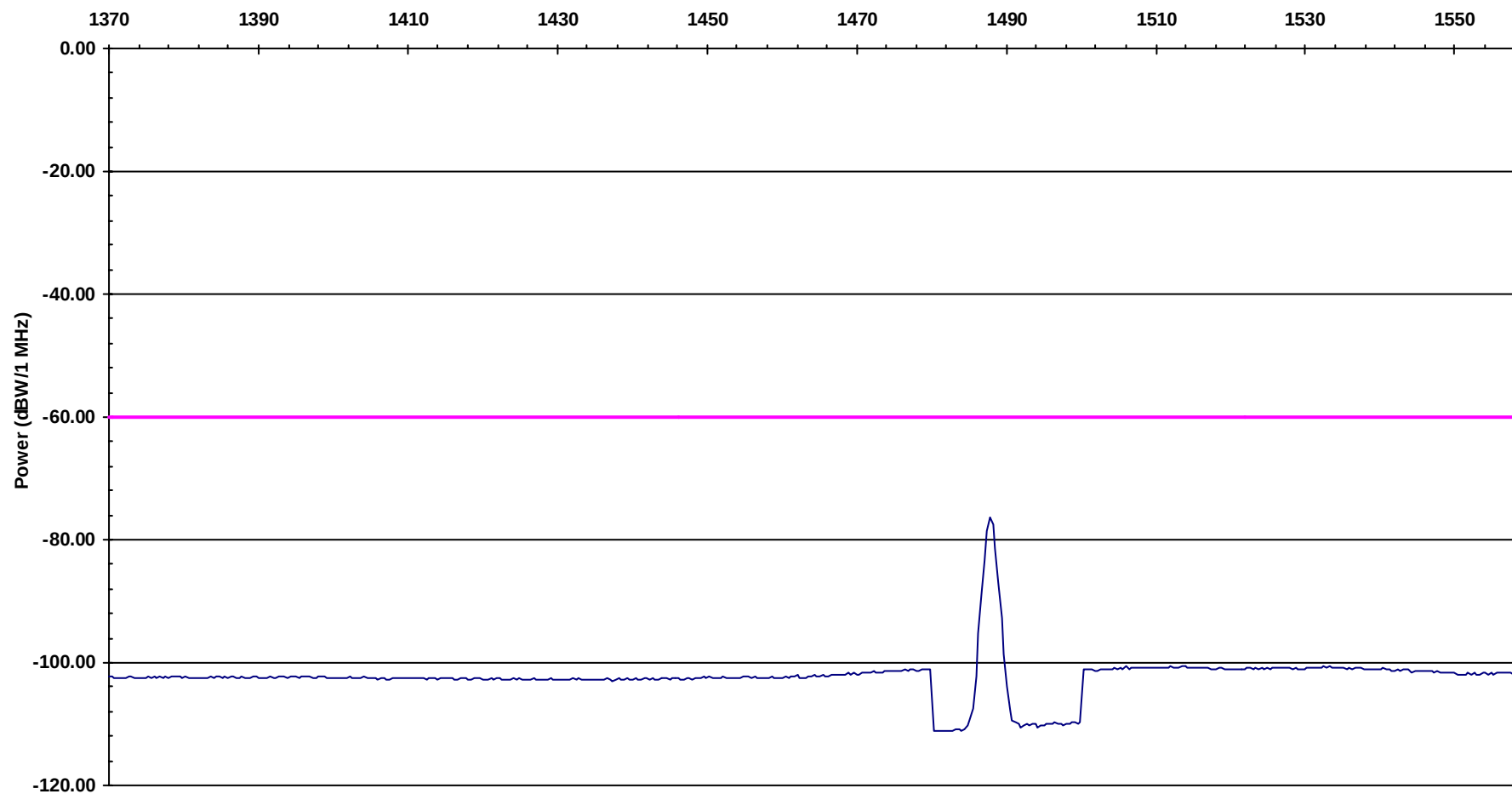


Max: -89.55 dBW @1357.7655 MHz

Min: -102.95 dBW @1187.5952 MHz Ave: -102.3573 dB

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1370.00MHz to 1559.00MHz

62



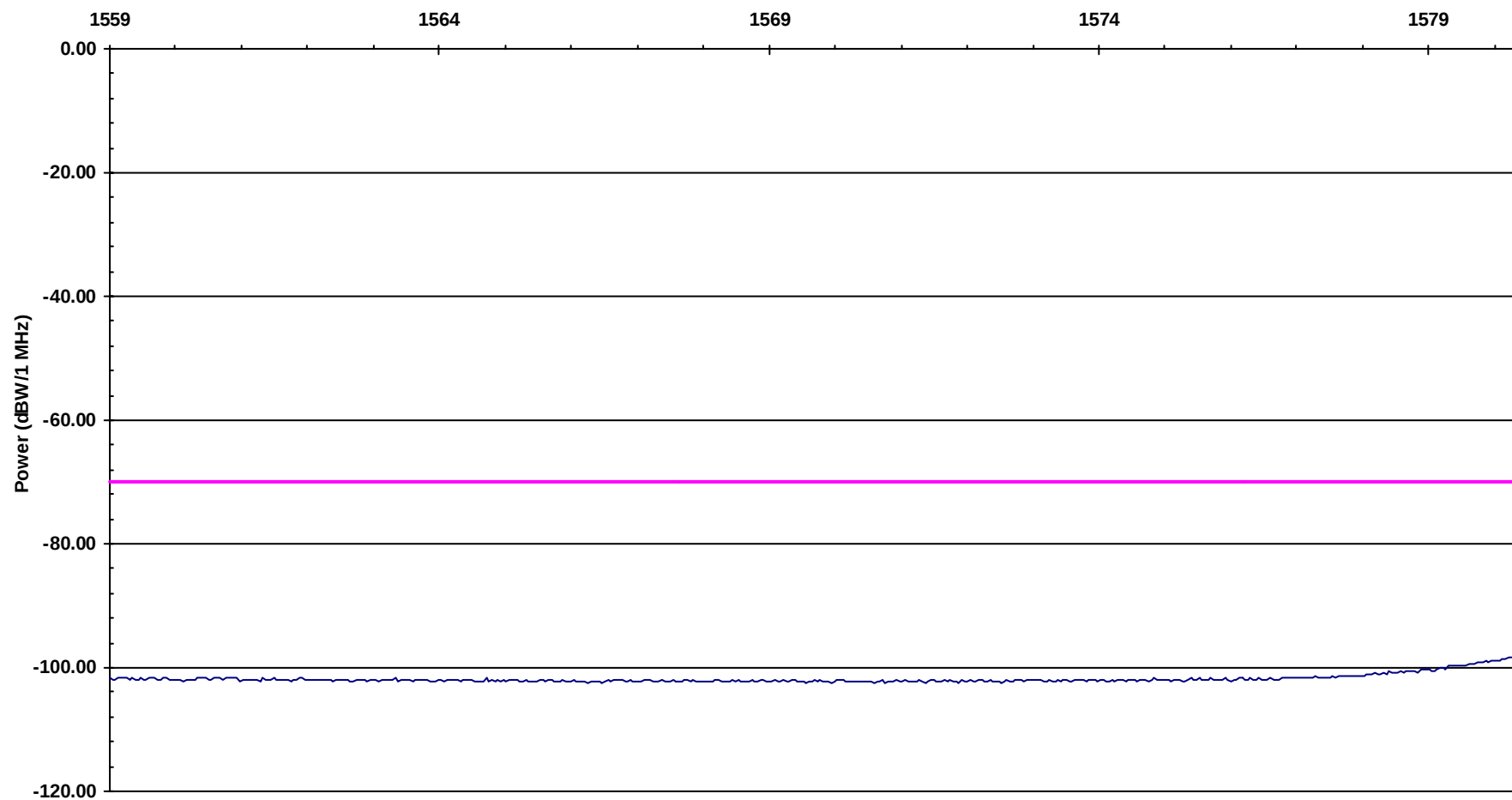
Max: -76.44 dBW @1487.7936 MHz

Frequency (MHz)

Min: -111.25 dBW @1480.5972 MHz Ave: -102.3064 dB

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1559.00MHz to 1580.42MHz

63

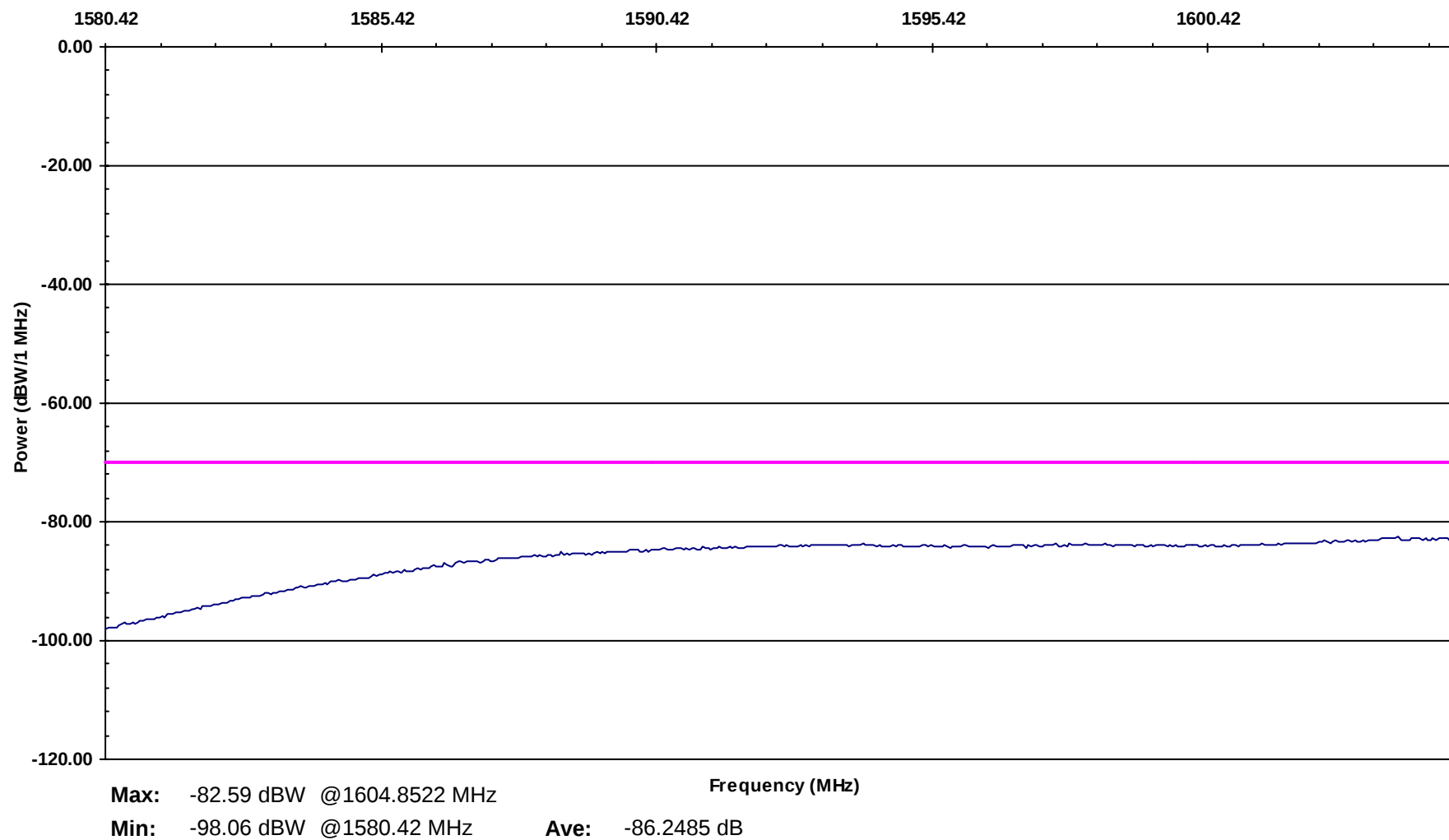


Max: -98.06 dBW @1580.3771 MHz

Min: -102.44 dBW @1570.7617 MHz Ave: -101.7651 dB

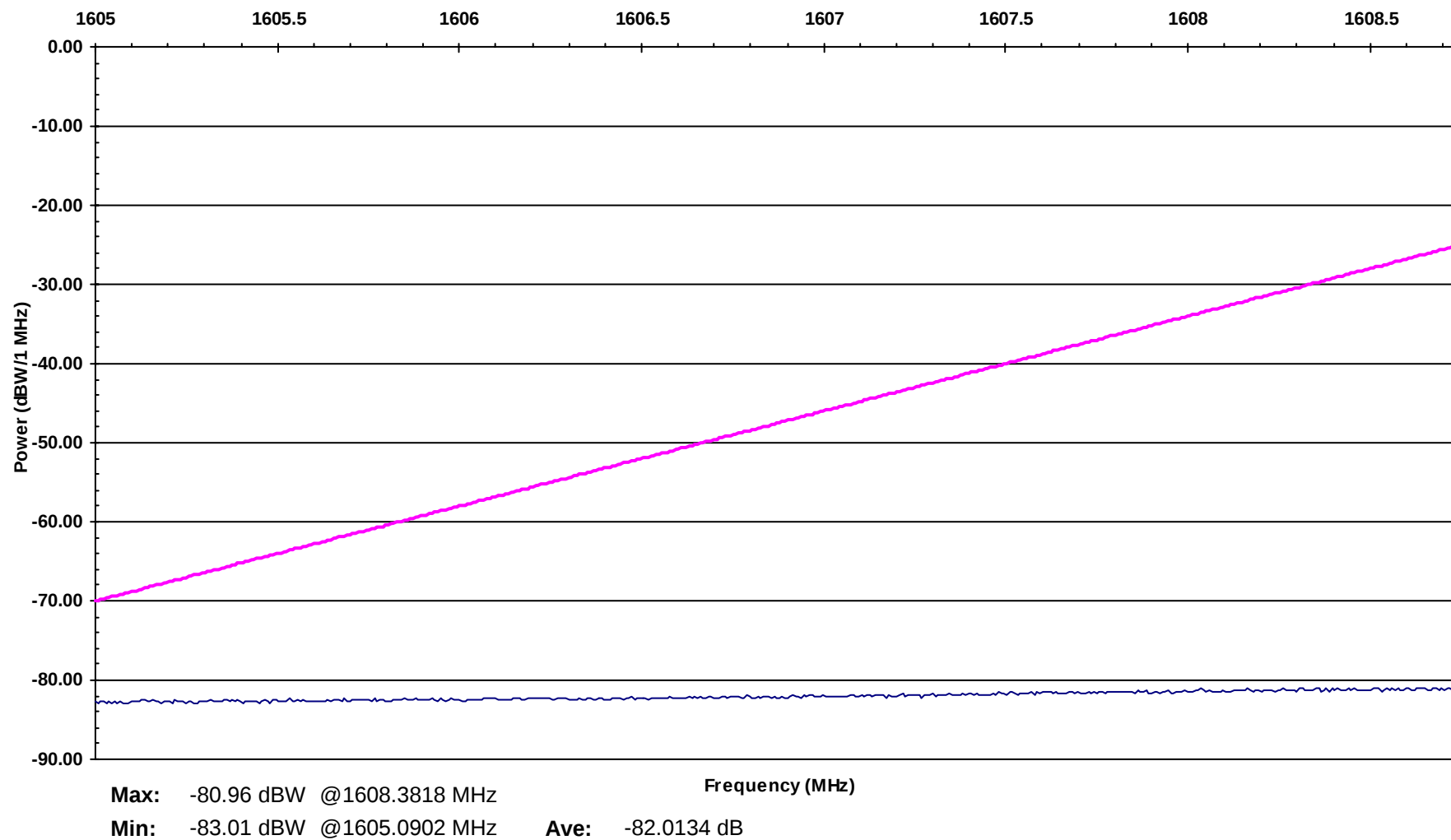
Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1580.42MHz to 1605.00MHz

64



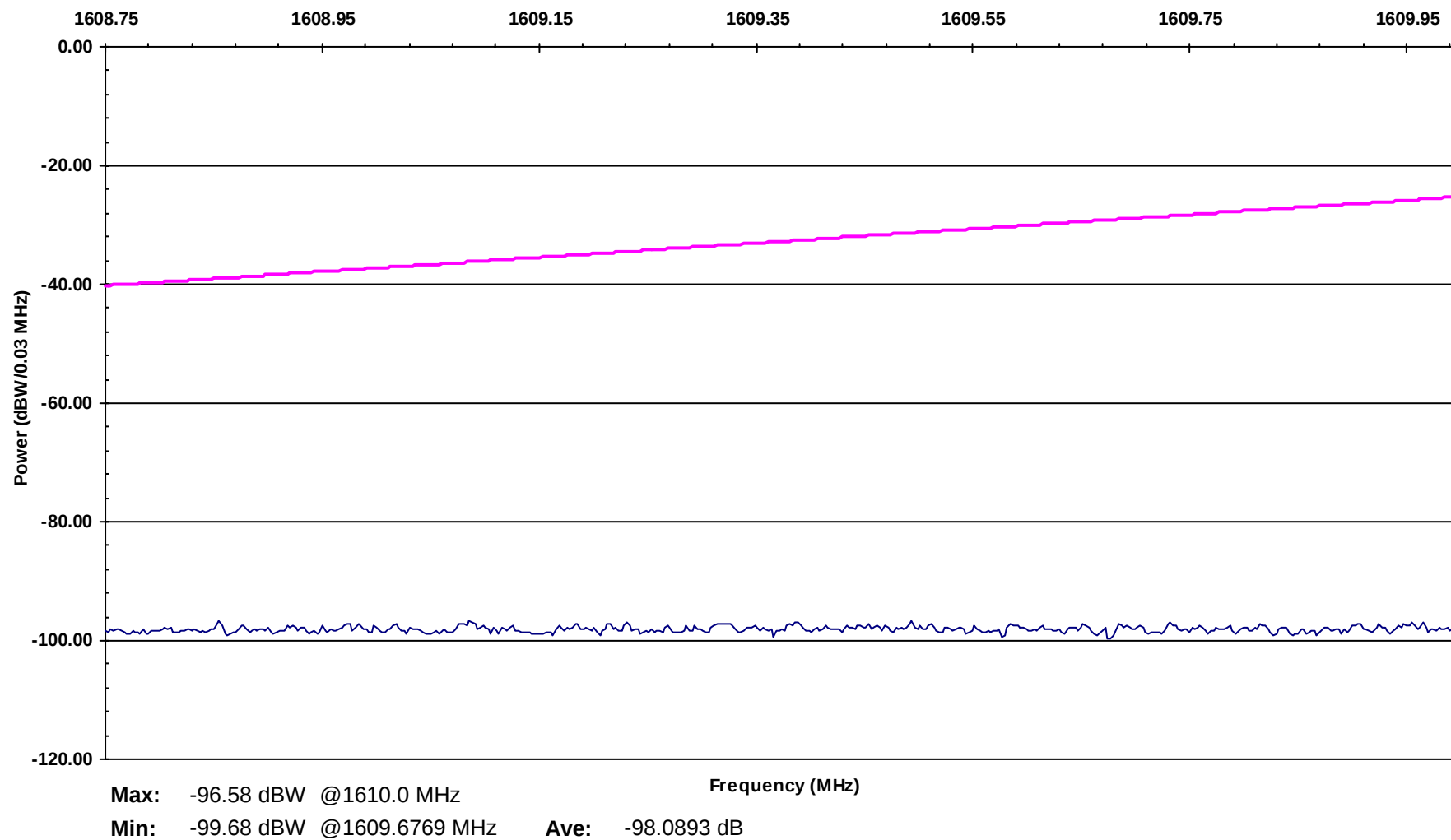
Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1605.00MHz to 1608.75MHz

65



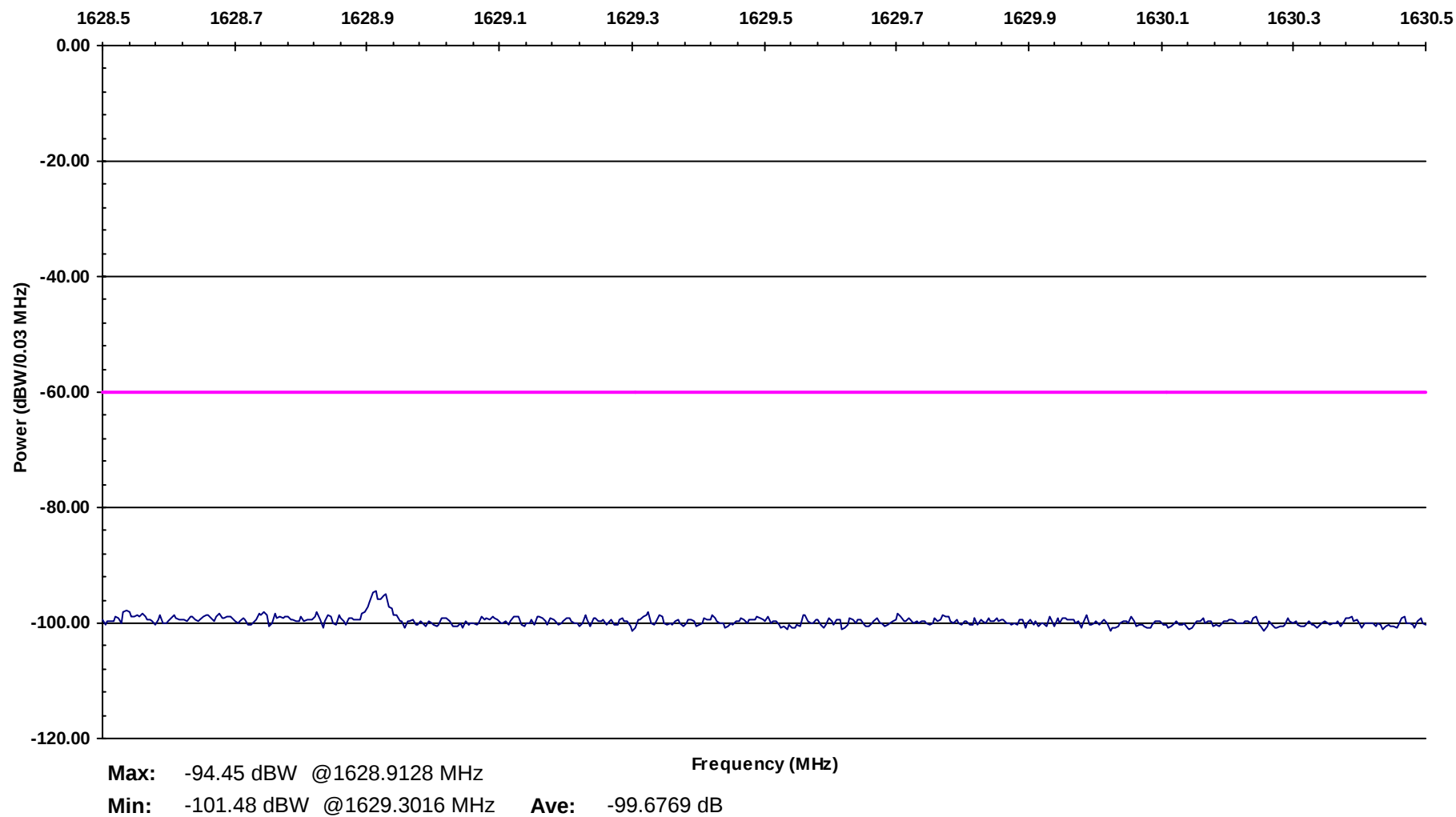
Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1608.75MHz to 1610.00MHz

66



Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1628.50MHz to 1630.50MHz

67

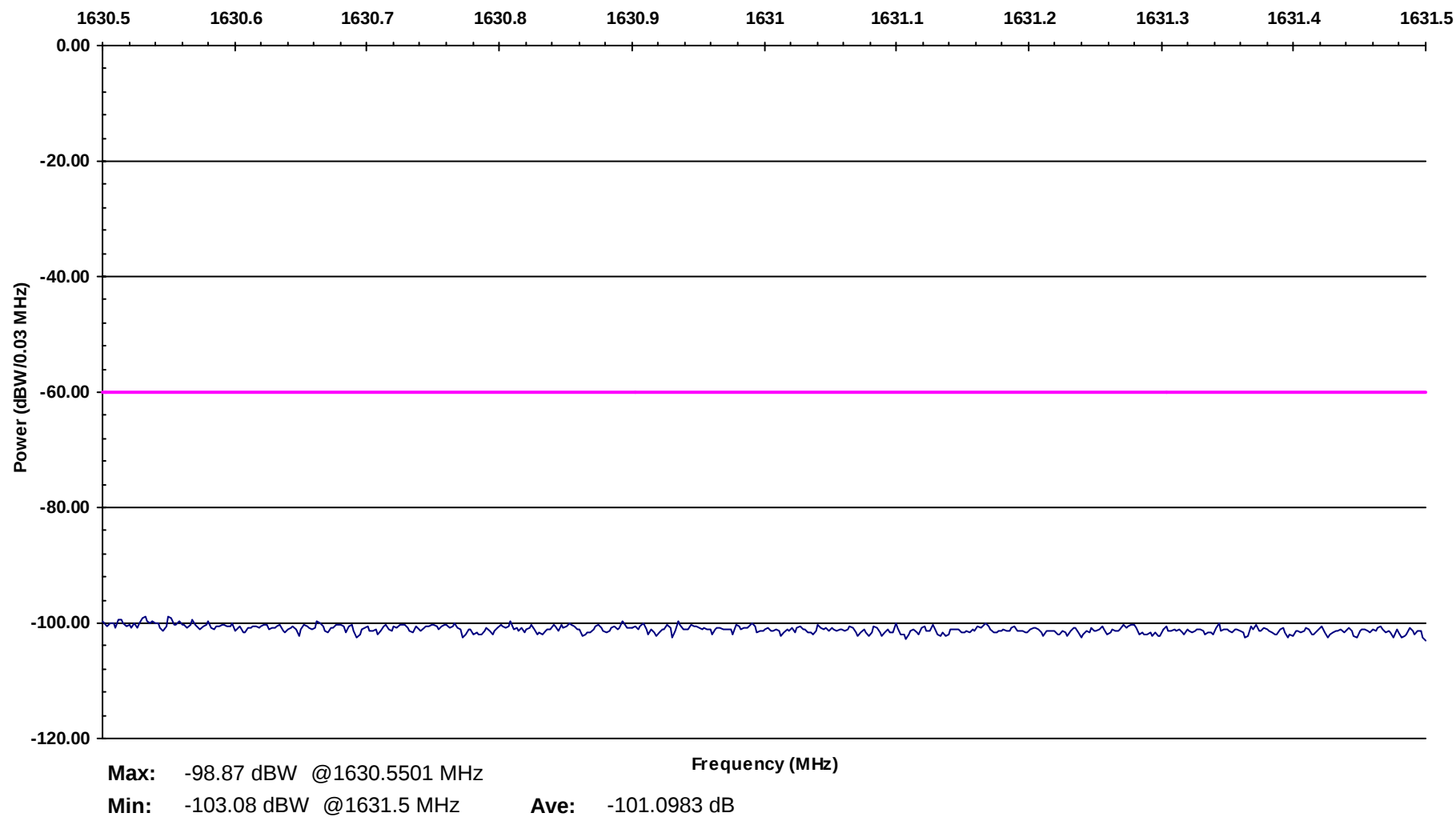


*PlotTitle*

*Plot Number*

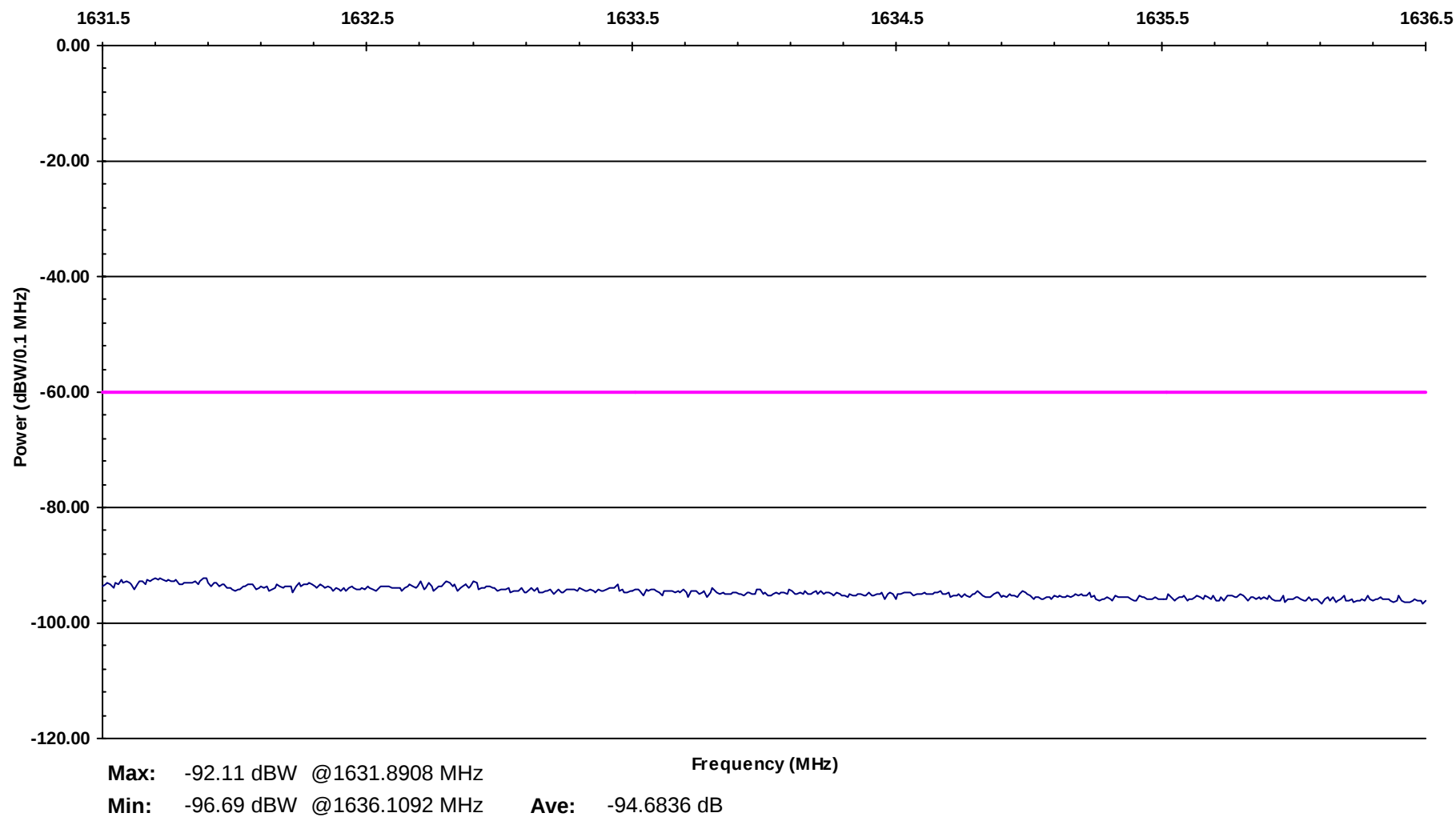
Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 1630.50MHz to 1631.50MHz

68



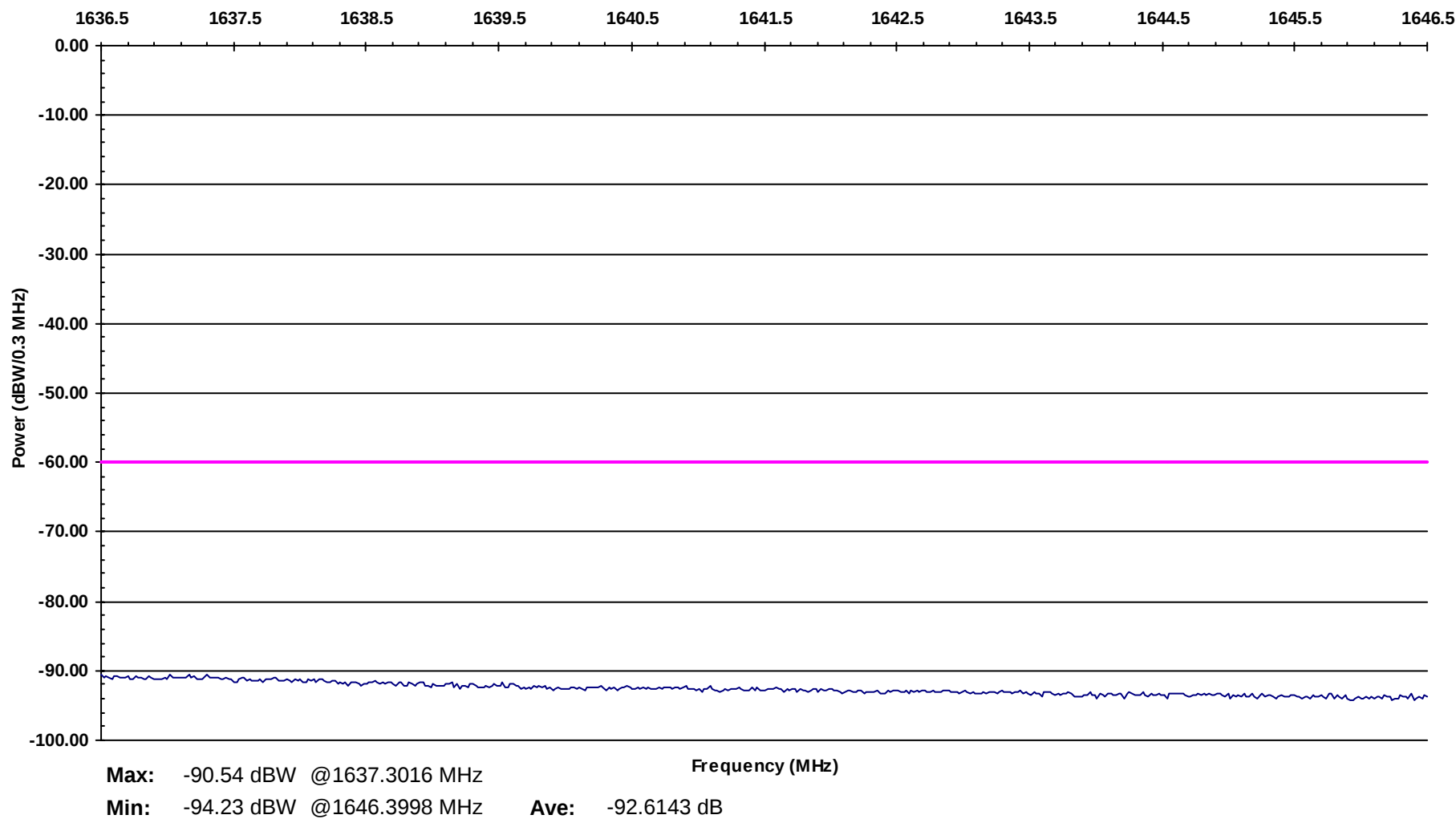
Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1631.50MHz to 1636.50MHz

69



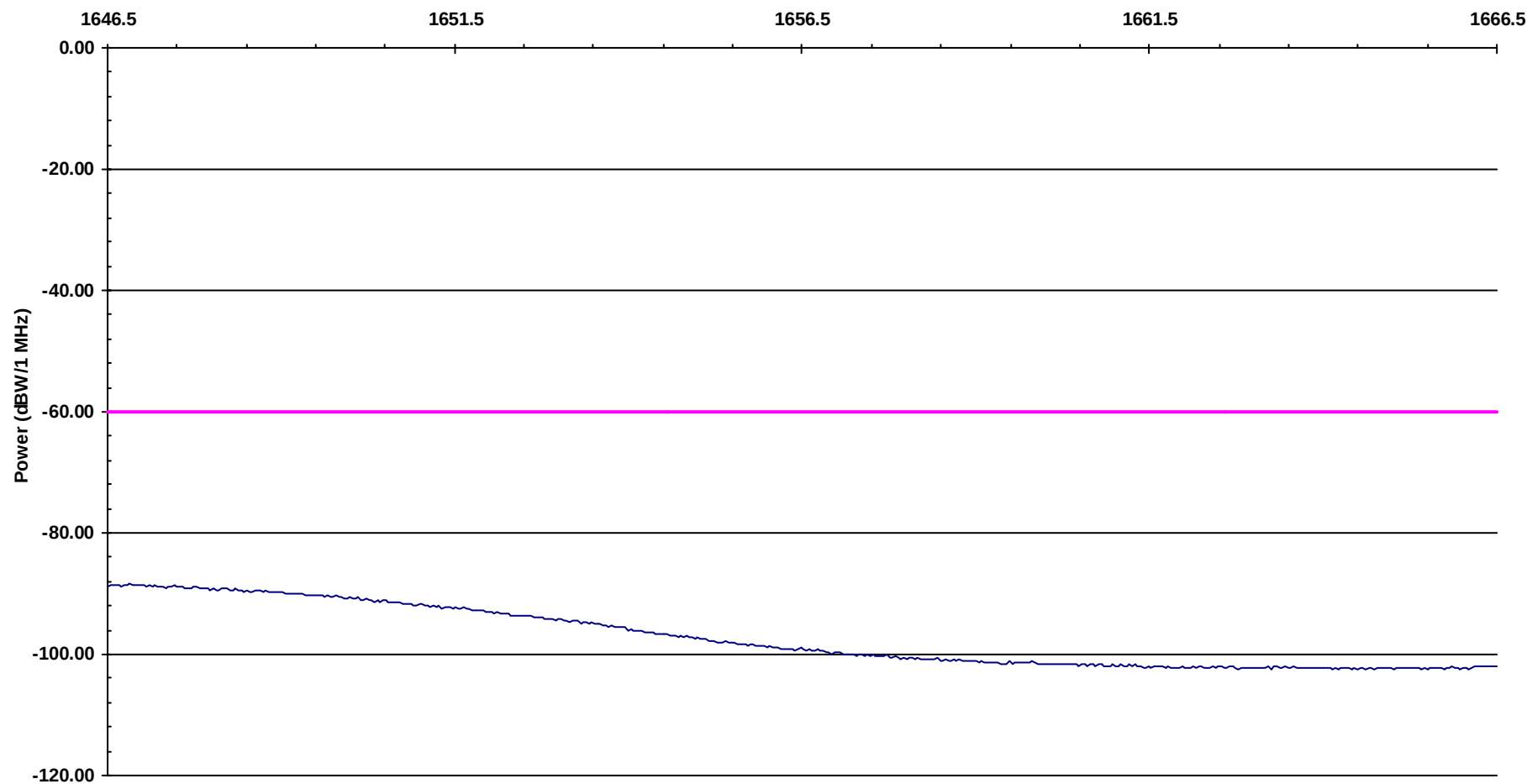
Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1636.50MHz to 1646.50MHz

70



Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1646.50MHz to 1666.50MHz

71

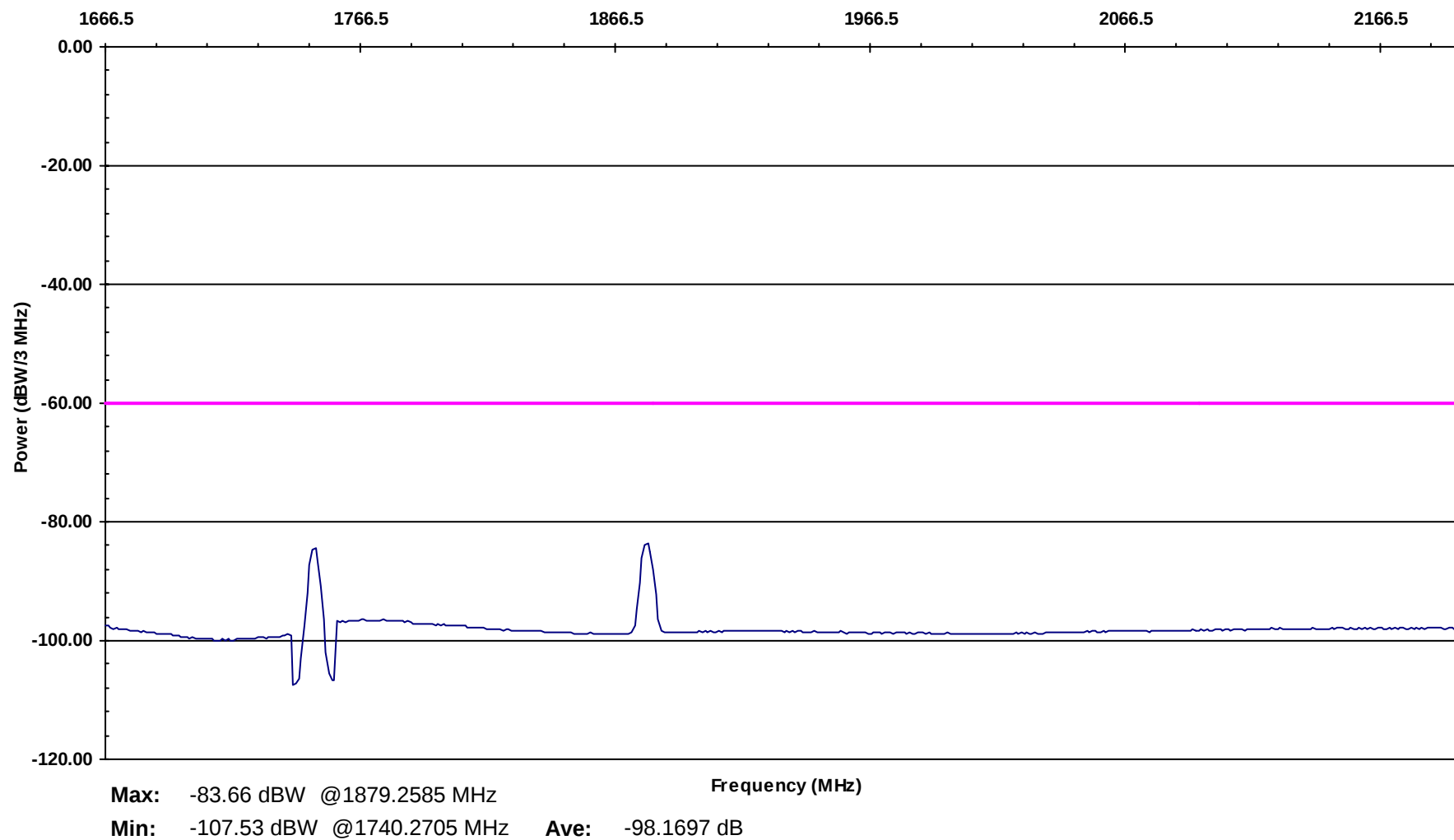


Max: -88.46 dBW @1646.8206 MHz

Min: -102.49 dBW @1664.6162 MHz Ave: -97.2817 dB

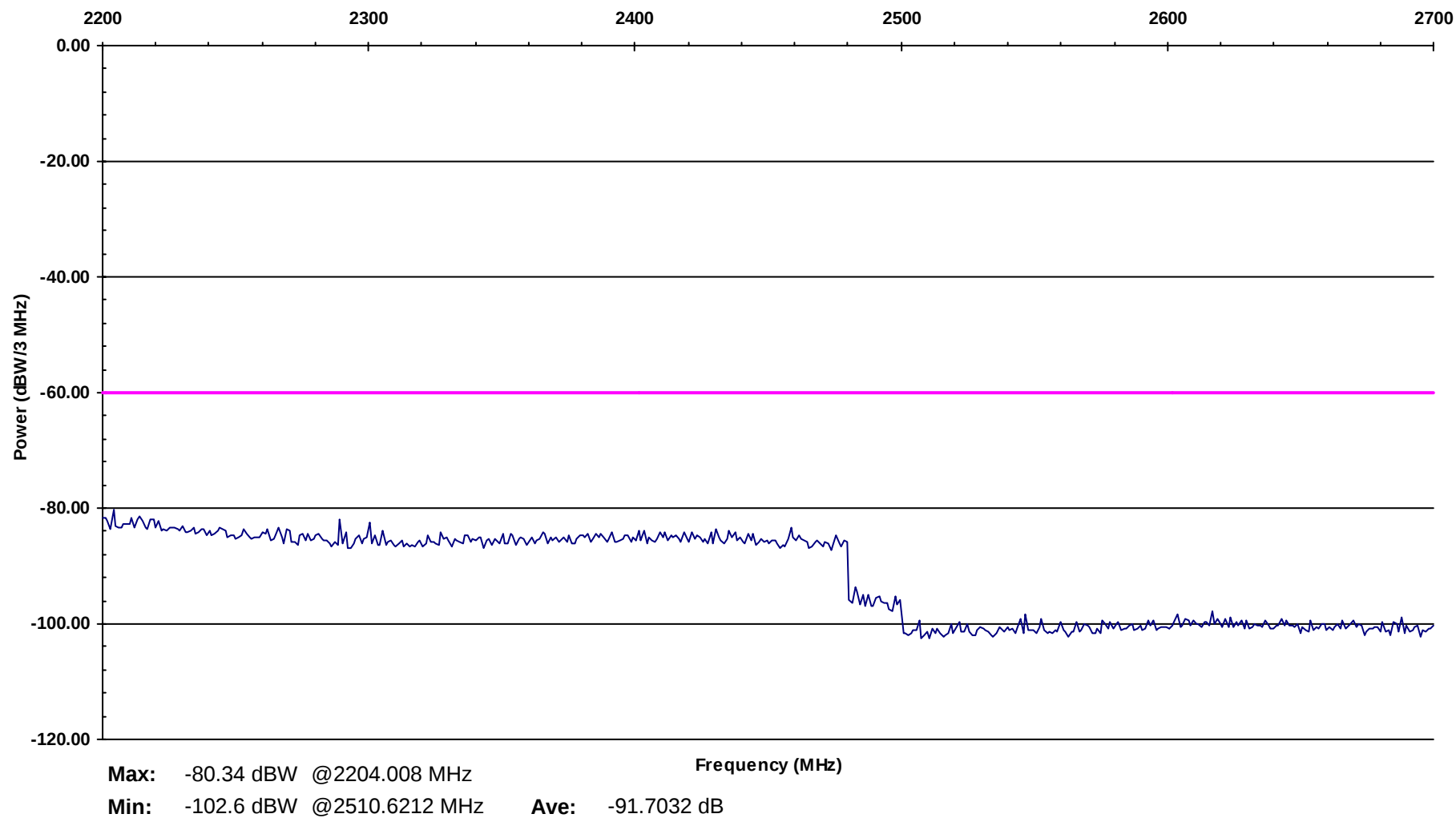
Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1666.50MHz to 2200.00MHz

72



Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 2200.00MHz to 2700.00MHz

73

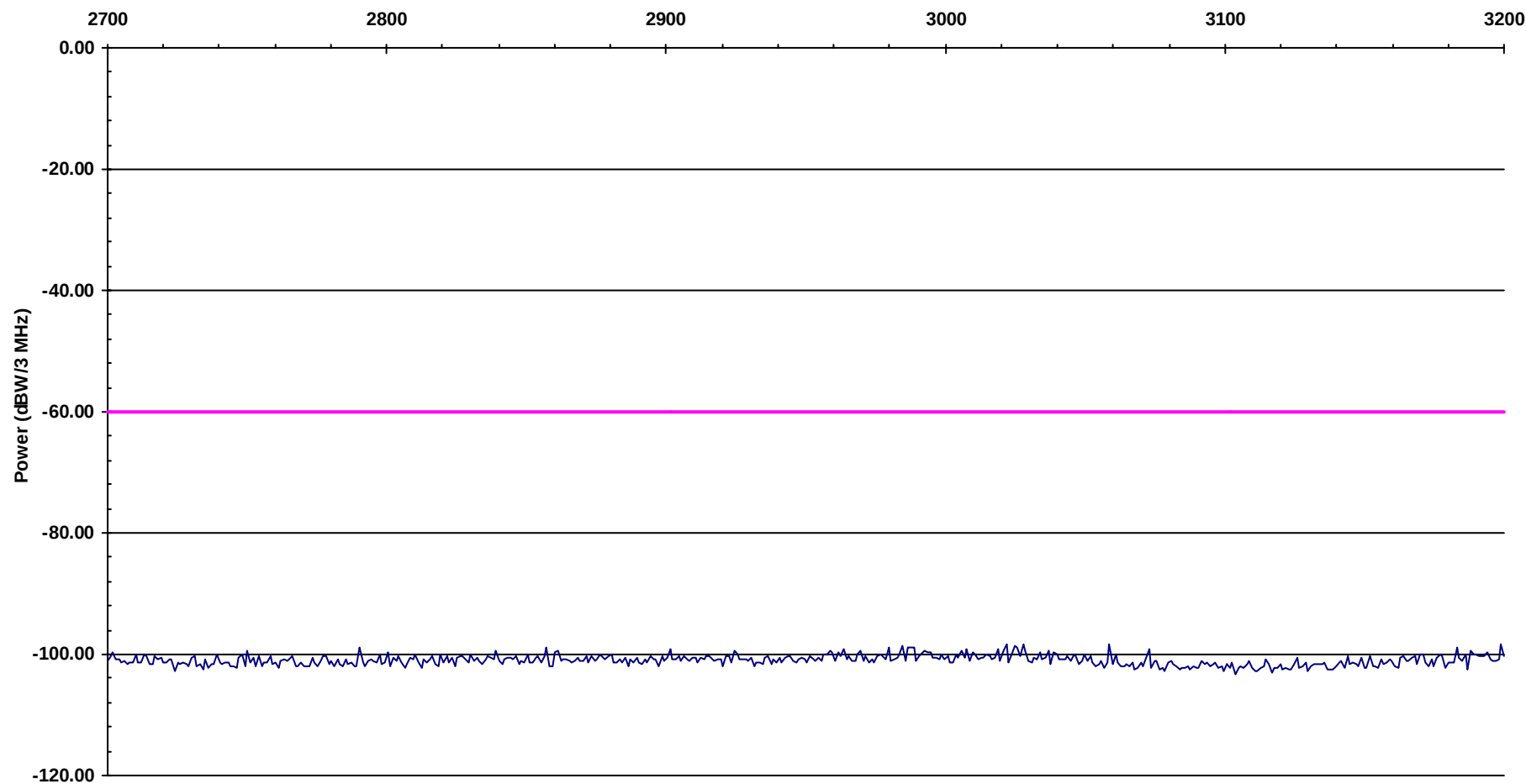


*PlotTitle*

*Plot Number*

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 2700.00MHz to 3200.00MHz

74

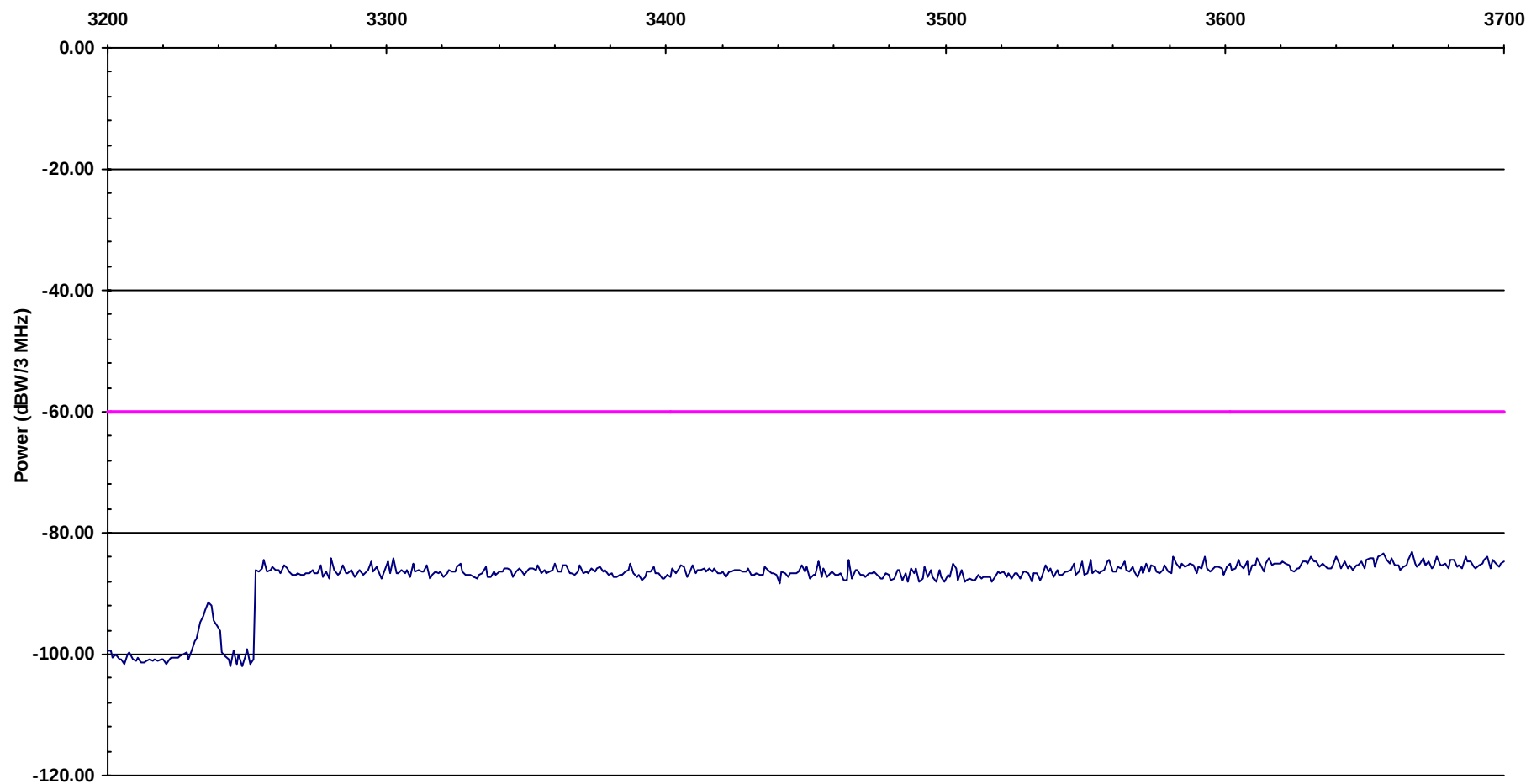


**Max:** -98.28 dBW @3058.7174 MHz

**Min:** -103.22 dBW @3103.8076 MHz    **Ave:** -101.0039 dB

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 3200.00MHz to 3700.00MHz

75



Max: -83.05 dBW @3666.9339 MHz

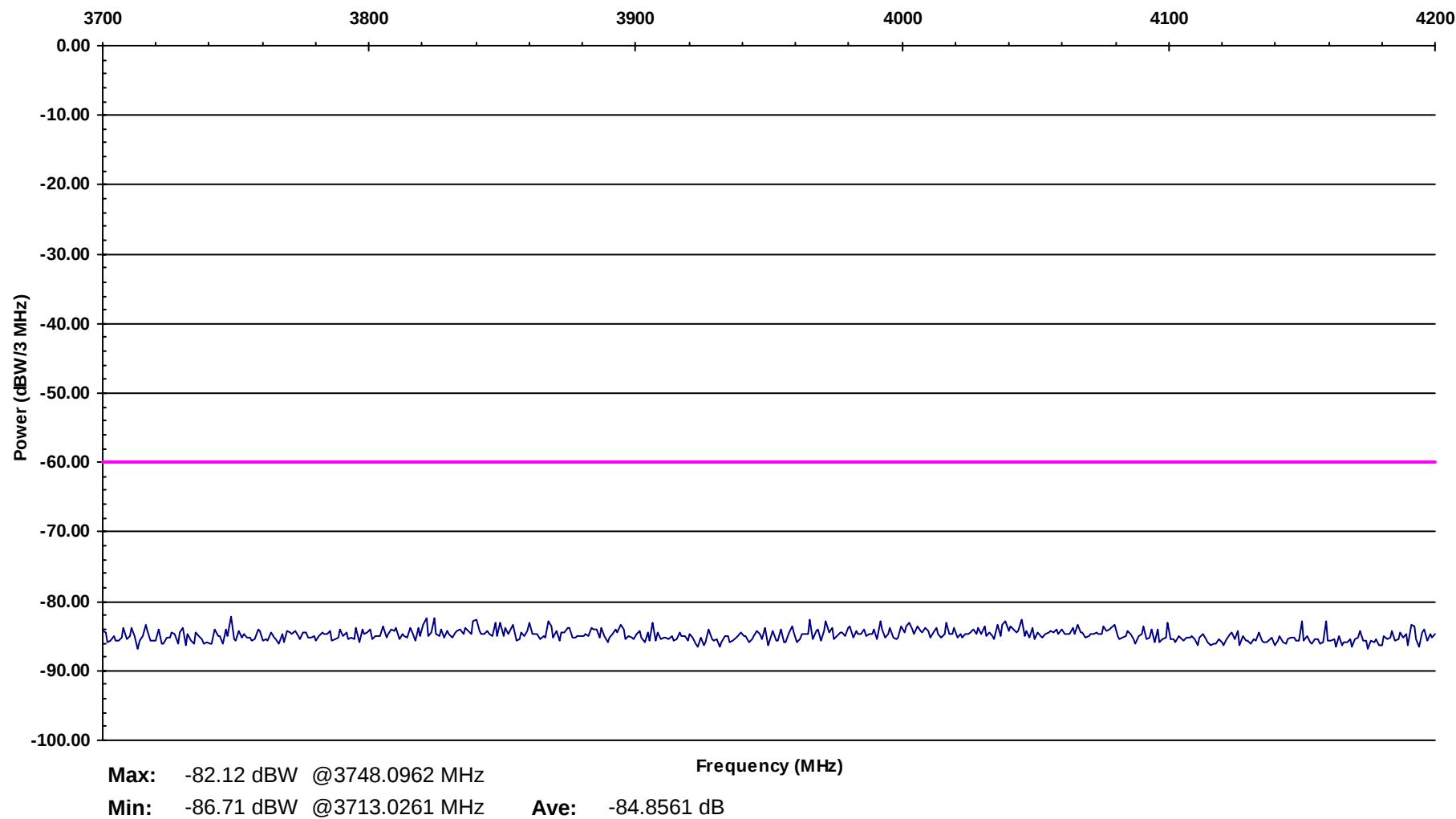
Min: -102.05 dBW @3244.0882 MHz Ave: -87.5411 dB

*PlotTitle*

*Plot Number*

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 3700.00MHz to 4200.00MHz

76

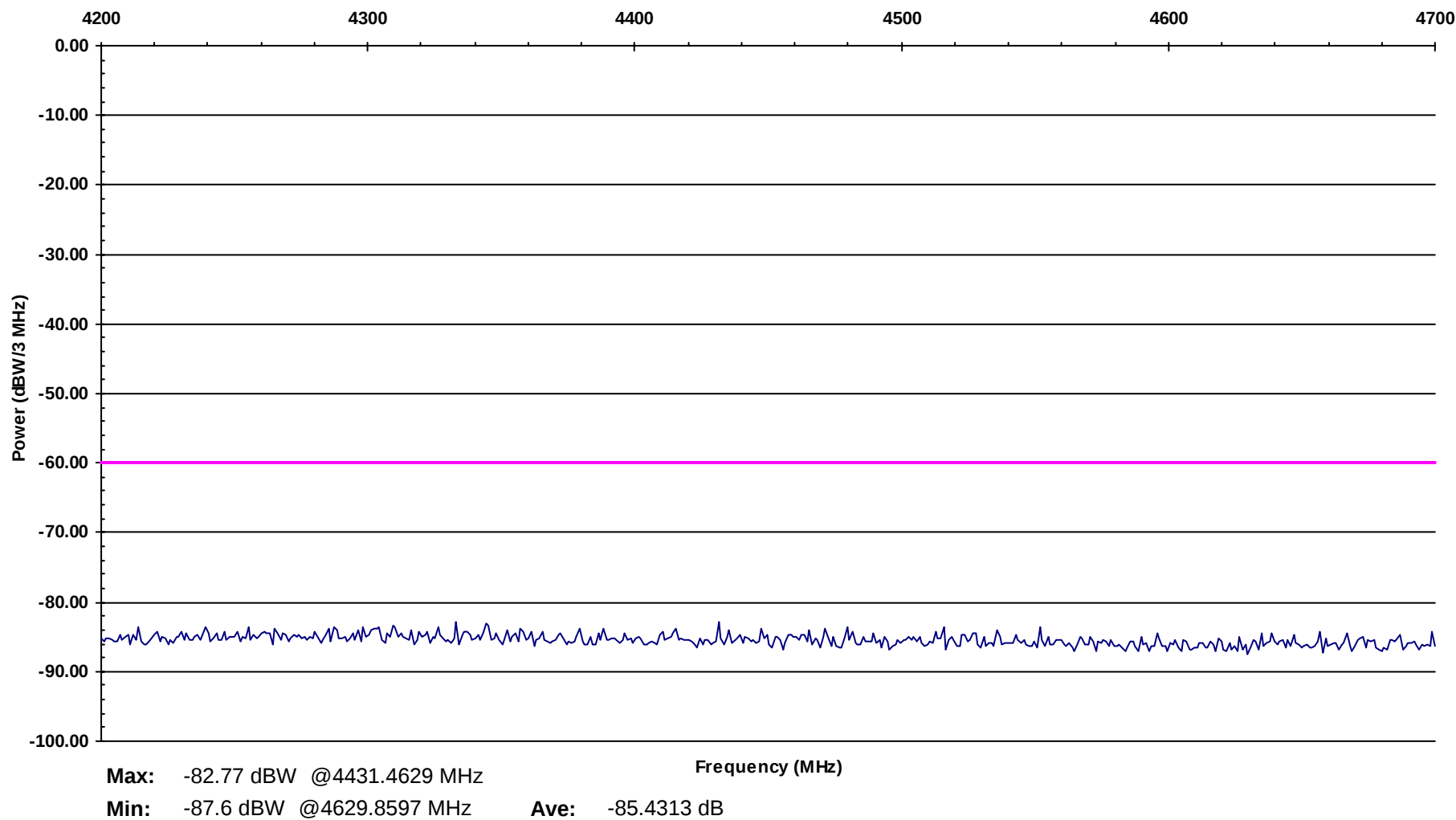


*PlotTitle*

*Plot Number*

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 4200.00MHz to 4700.00MHz

77

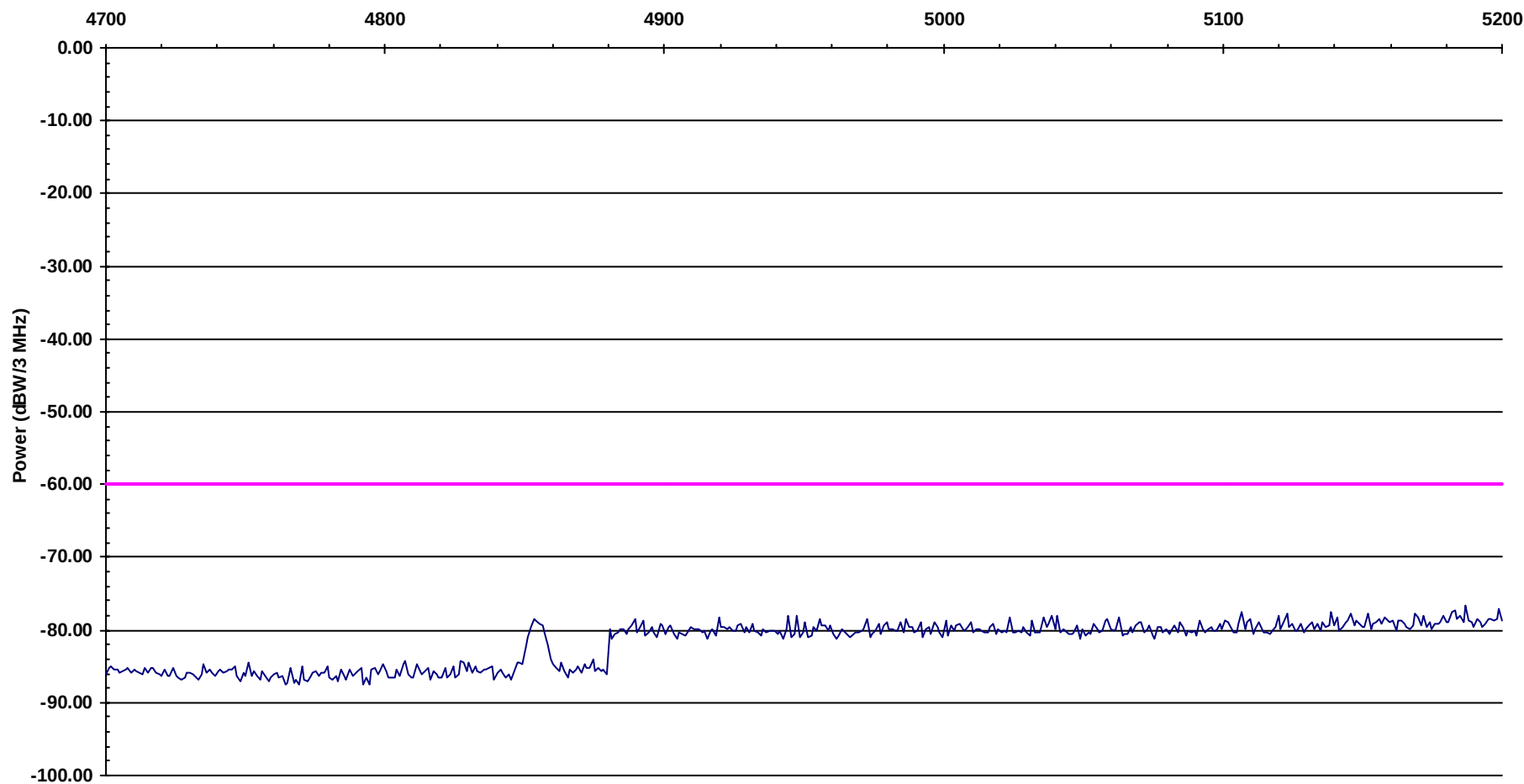


*PlotTitle*

*Plot Number*

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 4700.00MHz to 5200.00MHz

78



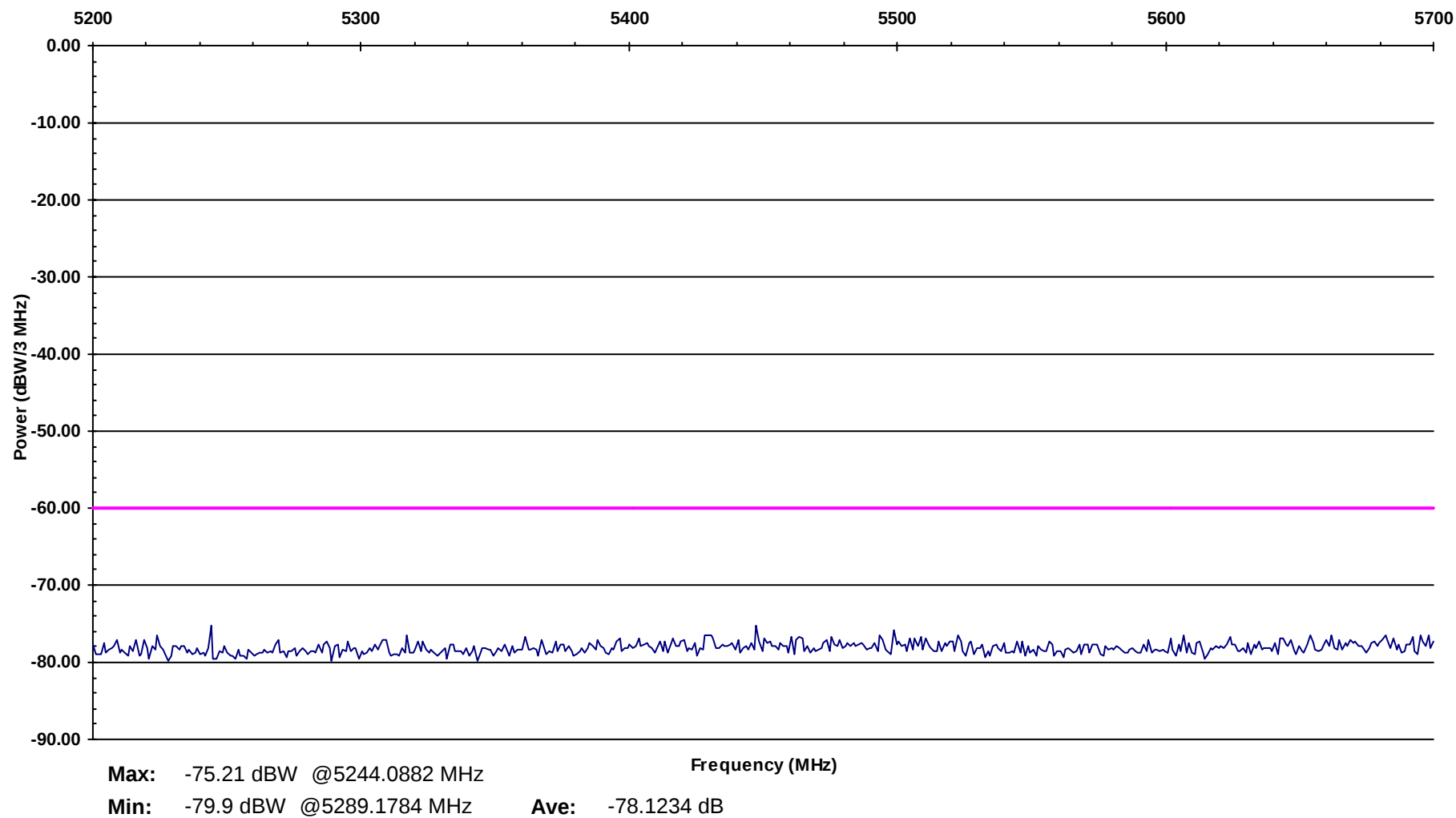
**Max:** -76.65 dBW @5186.9739 MHz

**Min:** -87.6 dBW @4769.1383 MHz

**Ave:** -81.7771 dB

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 5200.00MHz to 5700.00MHz

79

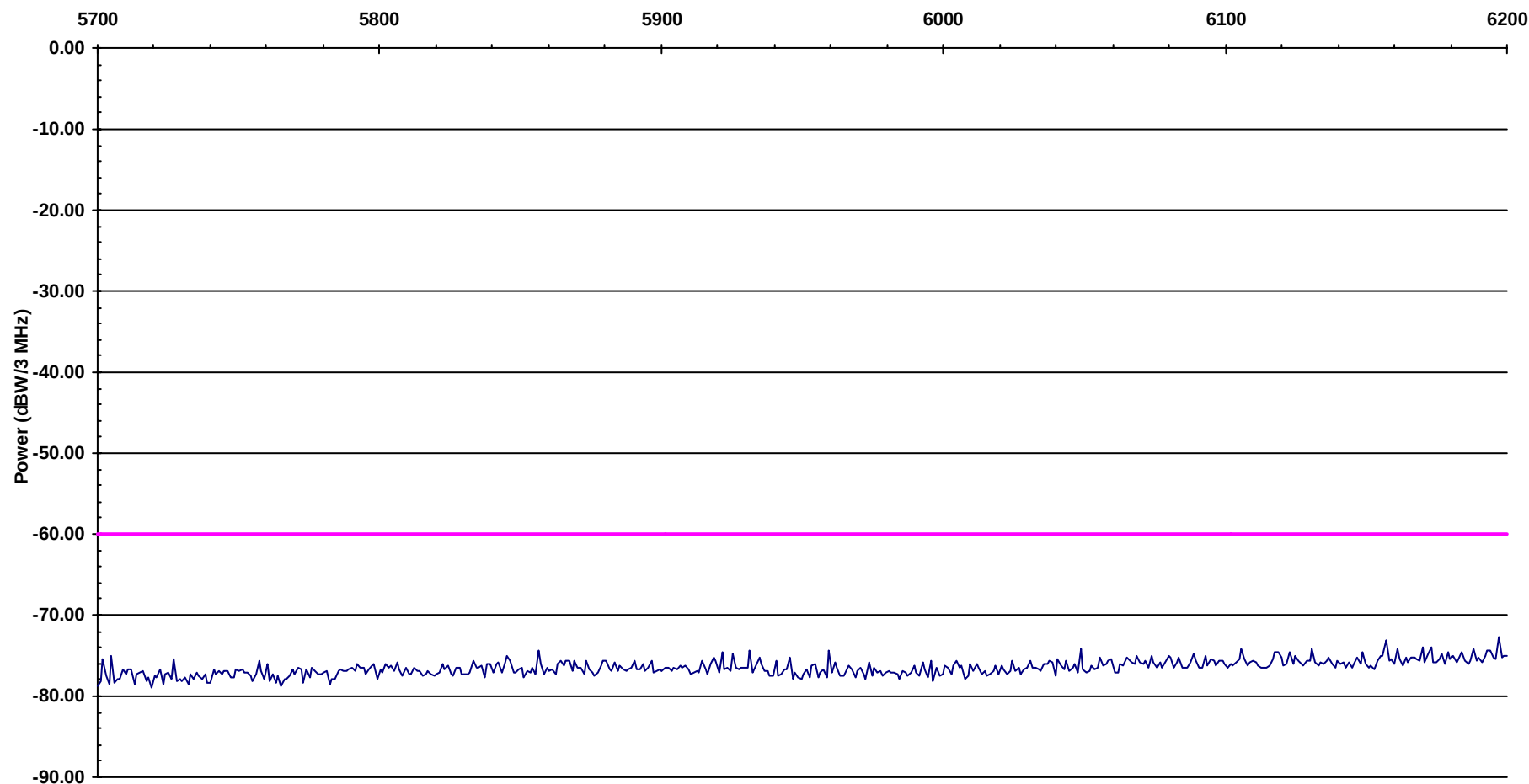


*PlotTitle*

*Plot Number*

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 5700.00MHz to 6200.00MHz

80



**Max:** -72.61 dBW @6196.994 MHz

**Min:** -78.86 dBW @5719.0381 MHz

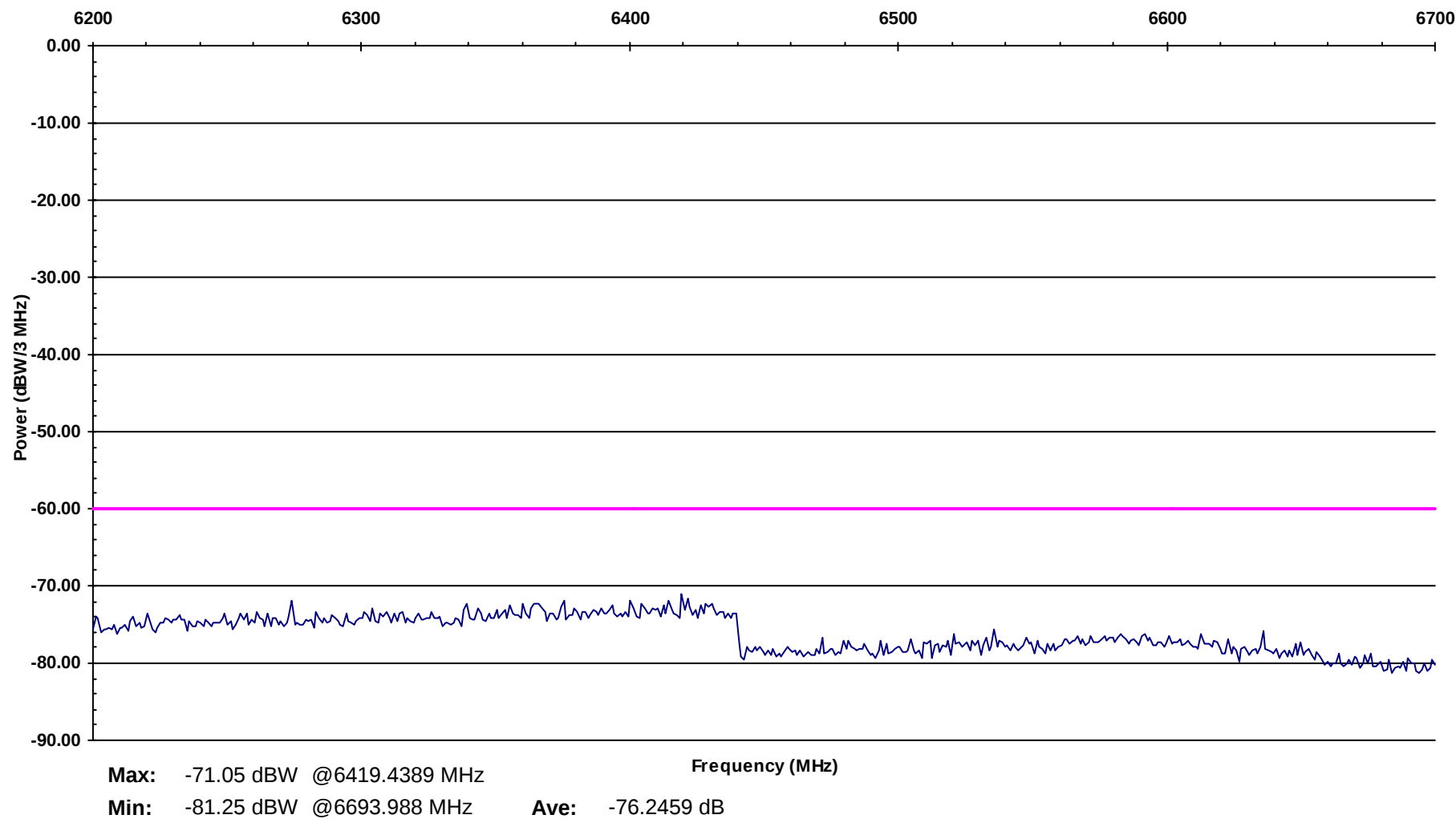
**Ave:** -76.4713 dB

*PlotTitle*

*Plot Number*

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 6200.00MHz to 6700.00MHz

81

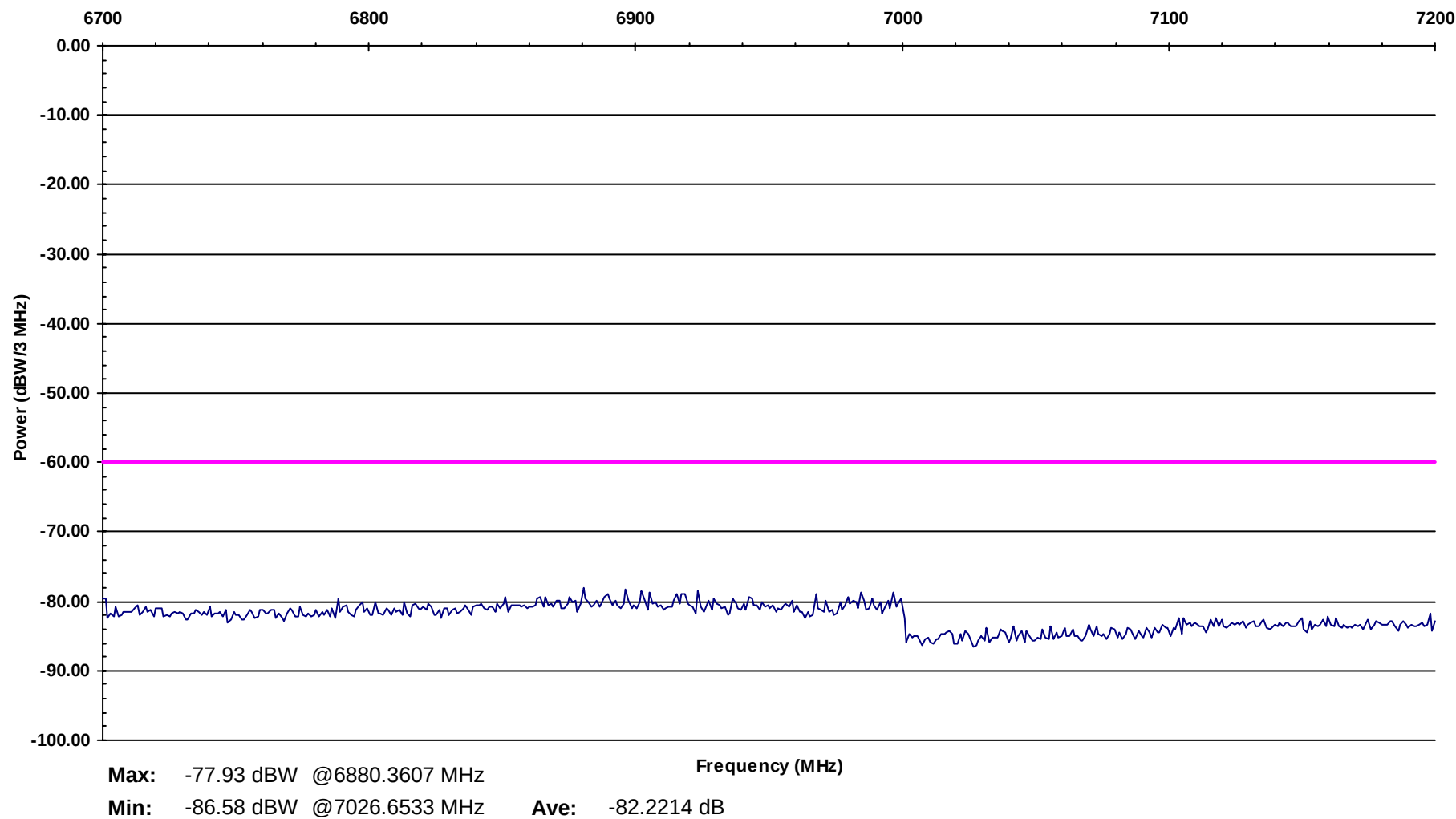


*PlotTitle*

*Plot Number*

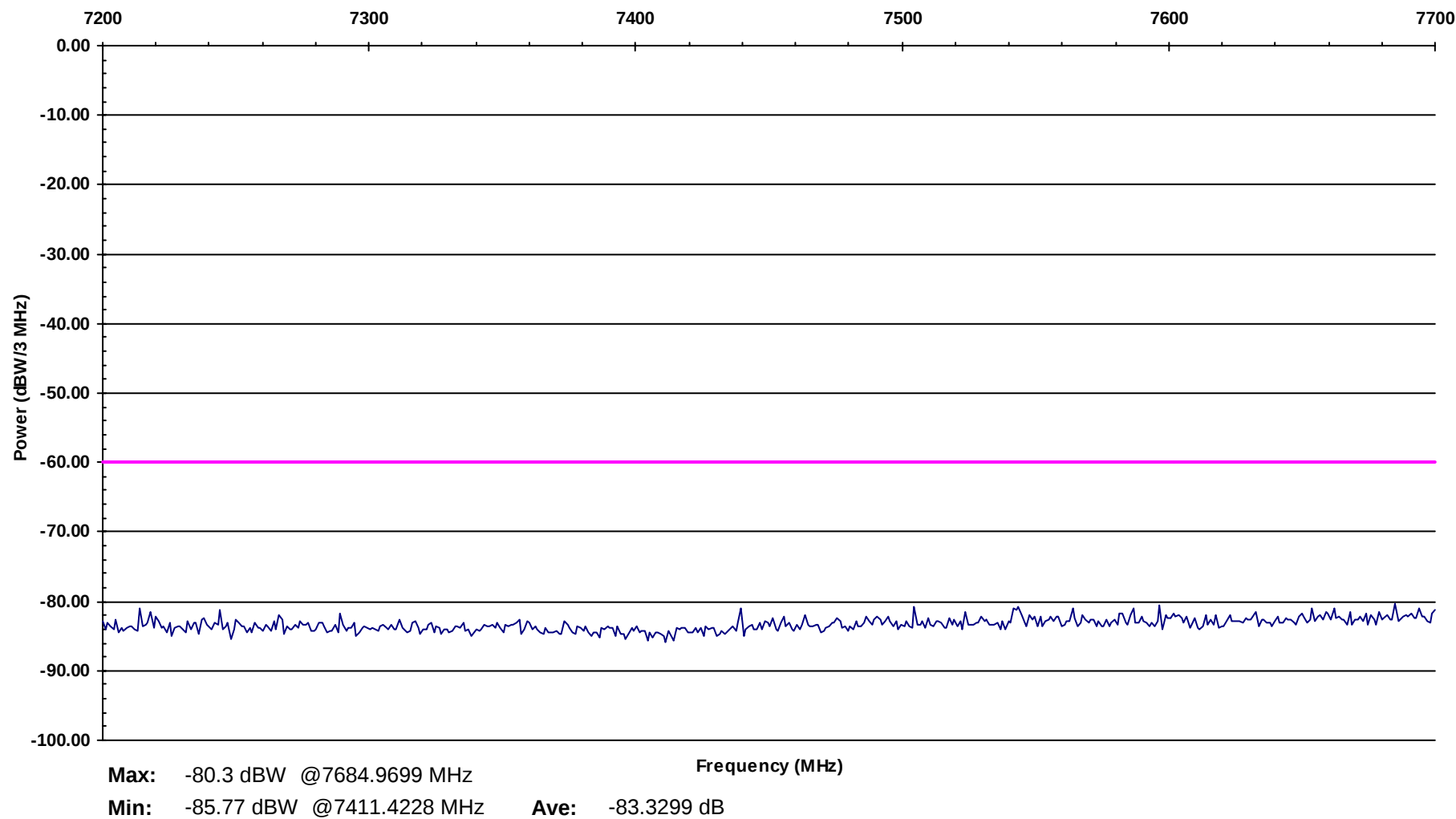
Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 6700.00MHz to 7200.00MHz

82



Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 7200.00MHz to 7700.00MHz

83

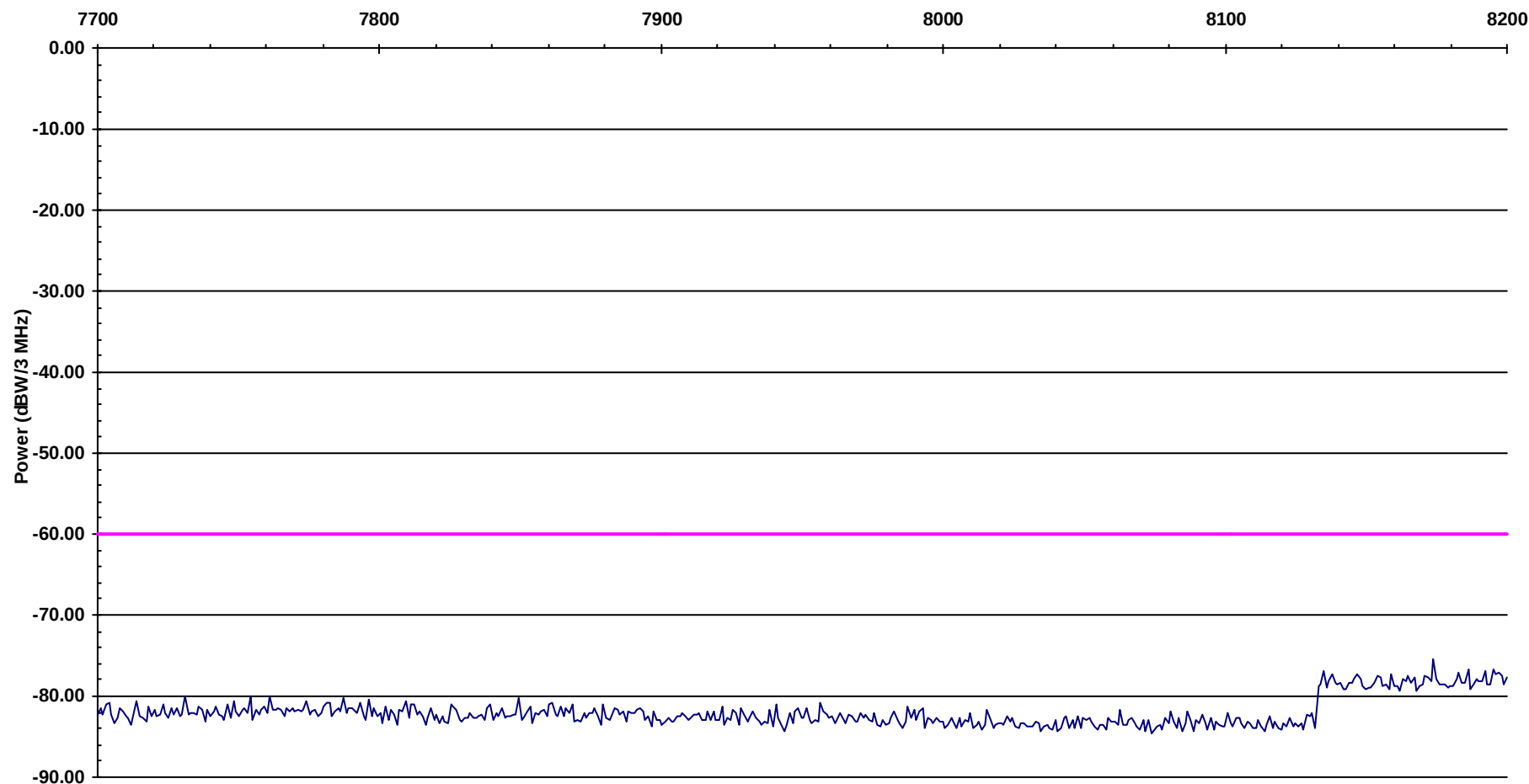


*PlotTitle*

*Plot Number*

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 7700.00MHz to 8200.00MHz

84

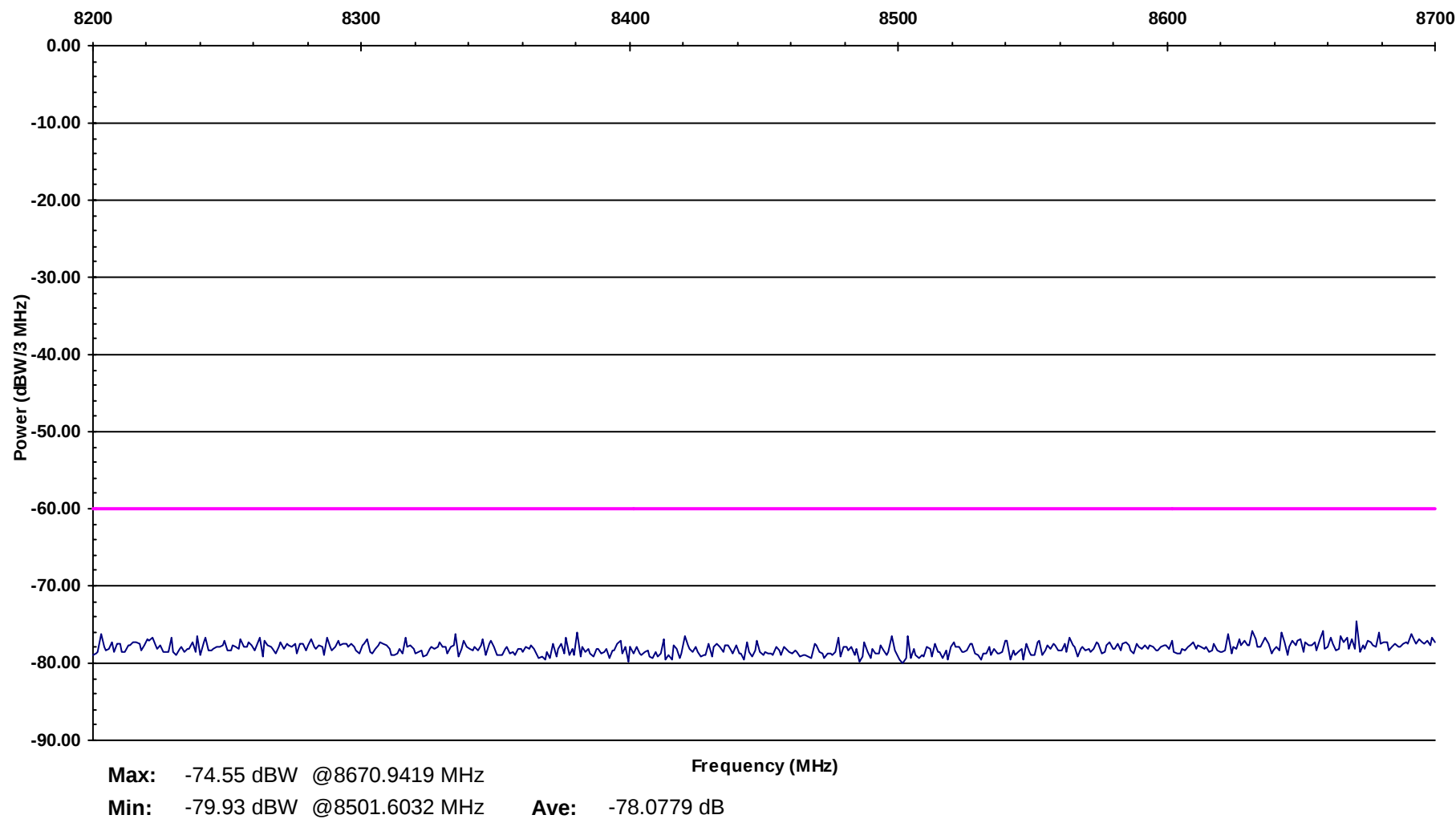


**Max:** -75.39 dBW @8173.9479 MHz

**Min:** -84.57 dBW @8073.7475 MHz    **Ave:** -81.9962 dB

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 8200.00MHz to 8700.00MHz

85

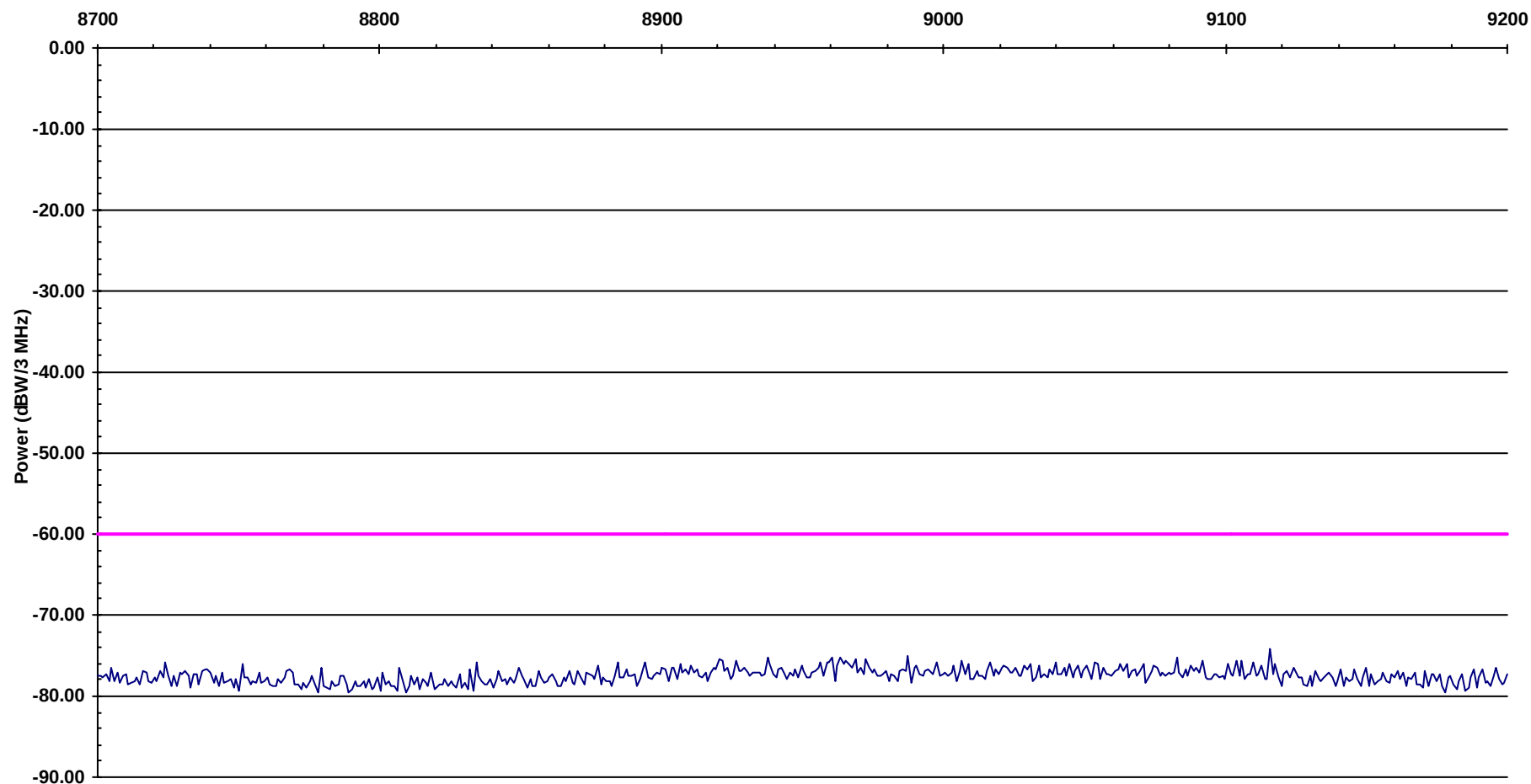


*PlotTitle*

*Plot Number*

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 8700.00MHz to 9200.00MHz

86



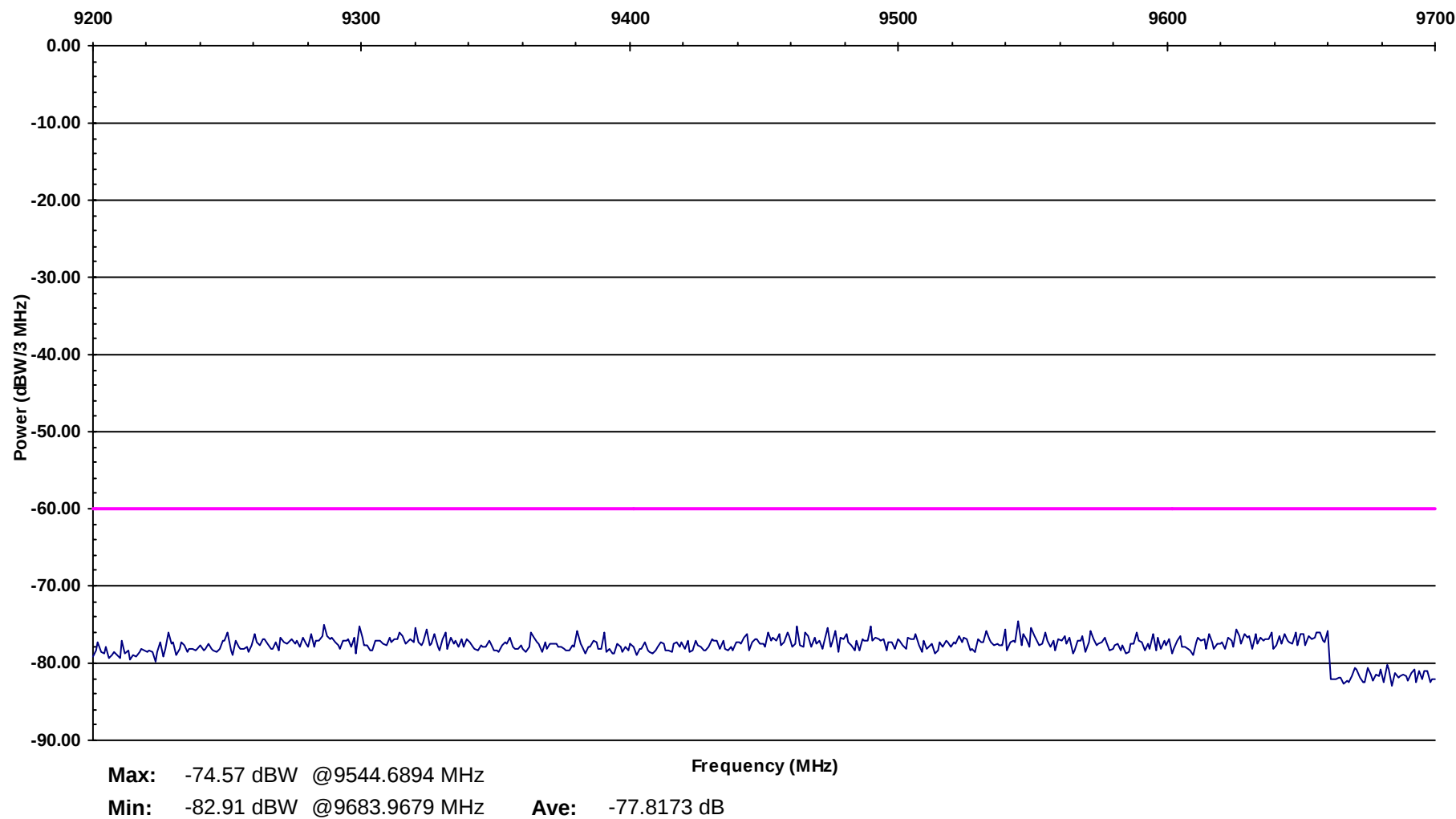
Max: -74.09 dBW @9115.8317 MHz  
Min: -79.63 dBW @9177.9559 MHz Ave: -77.4915 dB

*PlotTitle*

*Plot Number*

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 9200.00MHz to 9700.00MHz

87

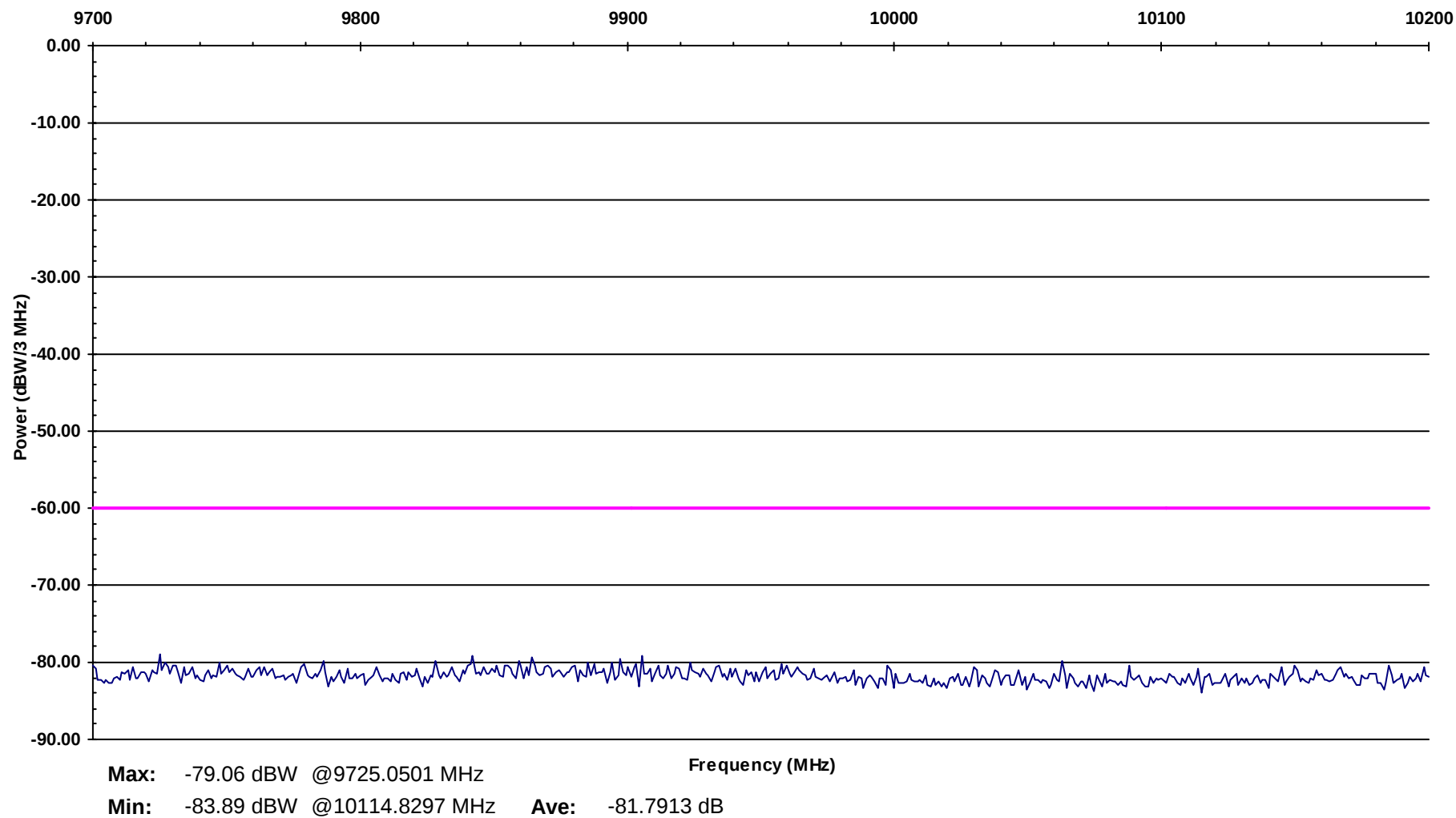


*PlotTitle*

*Plot Number*

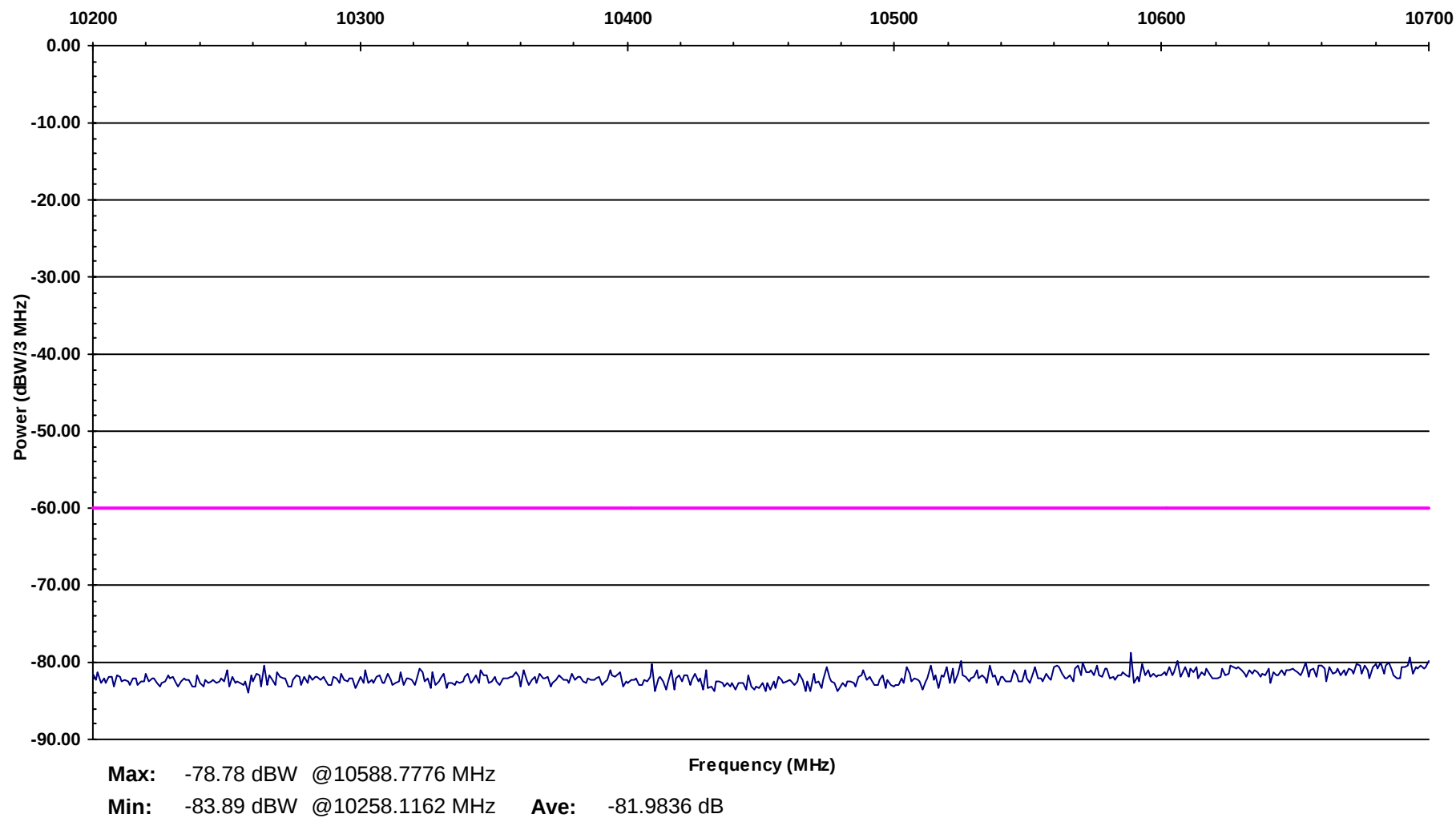
Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 9700.00MHz to 10200.00MHz

88



Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 10200.00MHz to 10700.00MHz

89

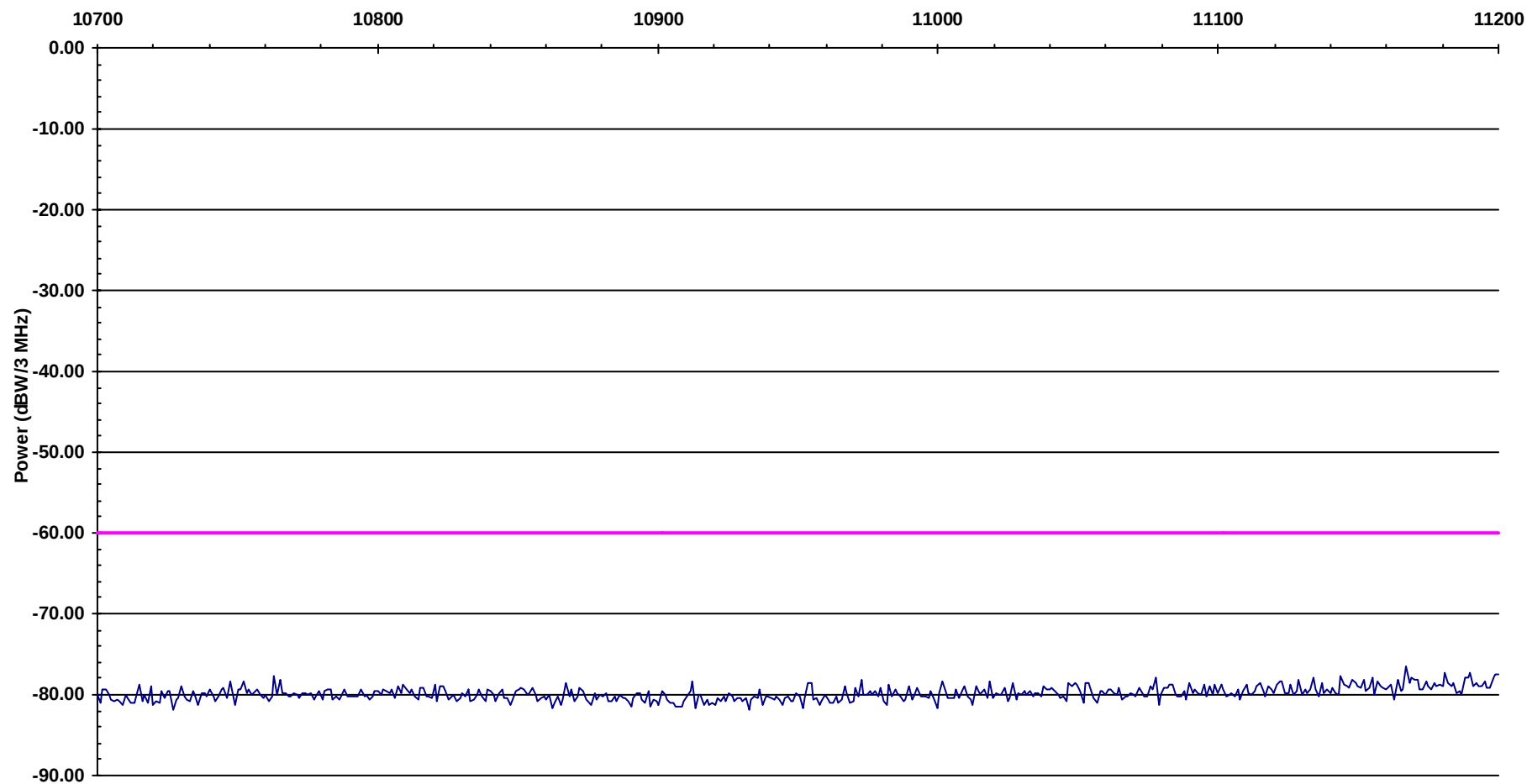


*PlotTitle*

*Plot Number*

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 10700.00MHz to 11200.00MHz

90



**Max:** -76.36 dBW @11166.9339 MHz

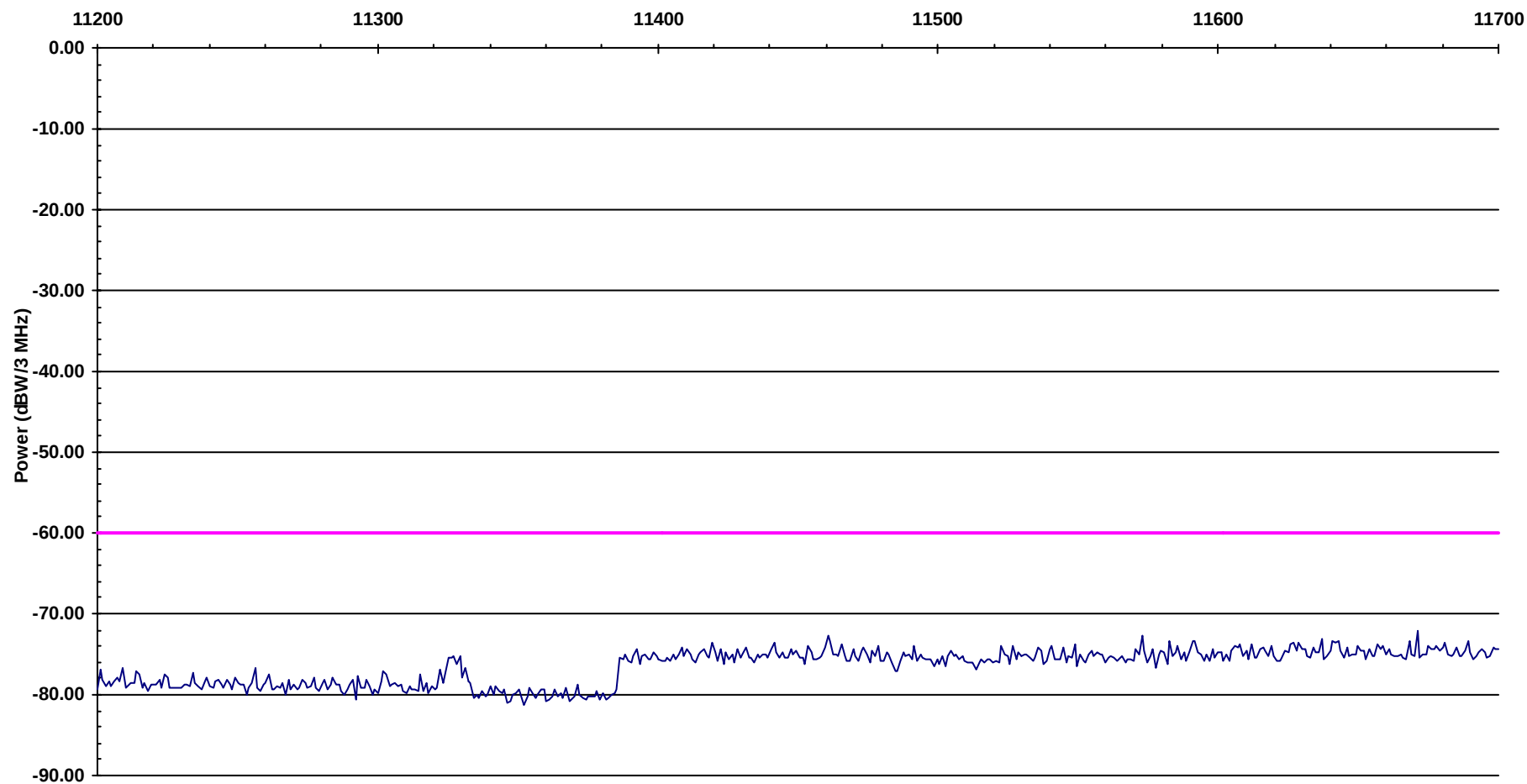
**Min:** -81.94 dBW @10932.4649 MHz    **Ave:** -79.8483 dB

*PlotTitle*

*Plot Number*

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 11200.00MHz to 11700.00MHz

91



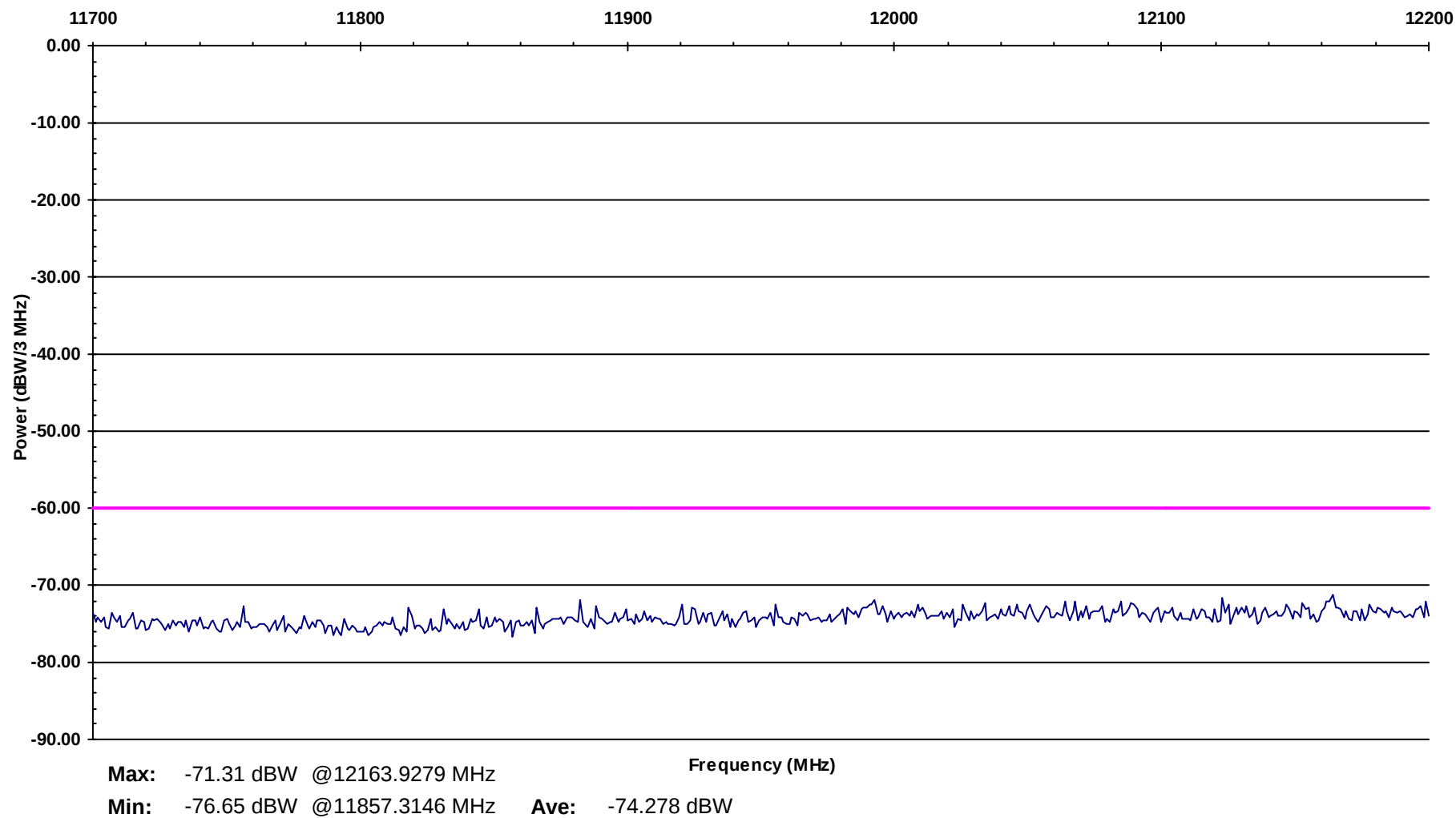
**Max:** -72.11 dBW @11670.9419 MHz

**Min:** -81.3 dBW @11352.3046 MHz

**Ave:** -76.5065 dB

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 11700.00MHz to 12200.00MHz

92

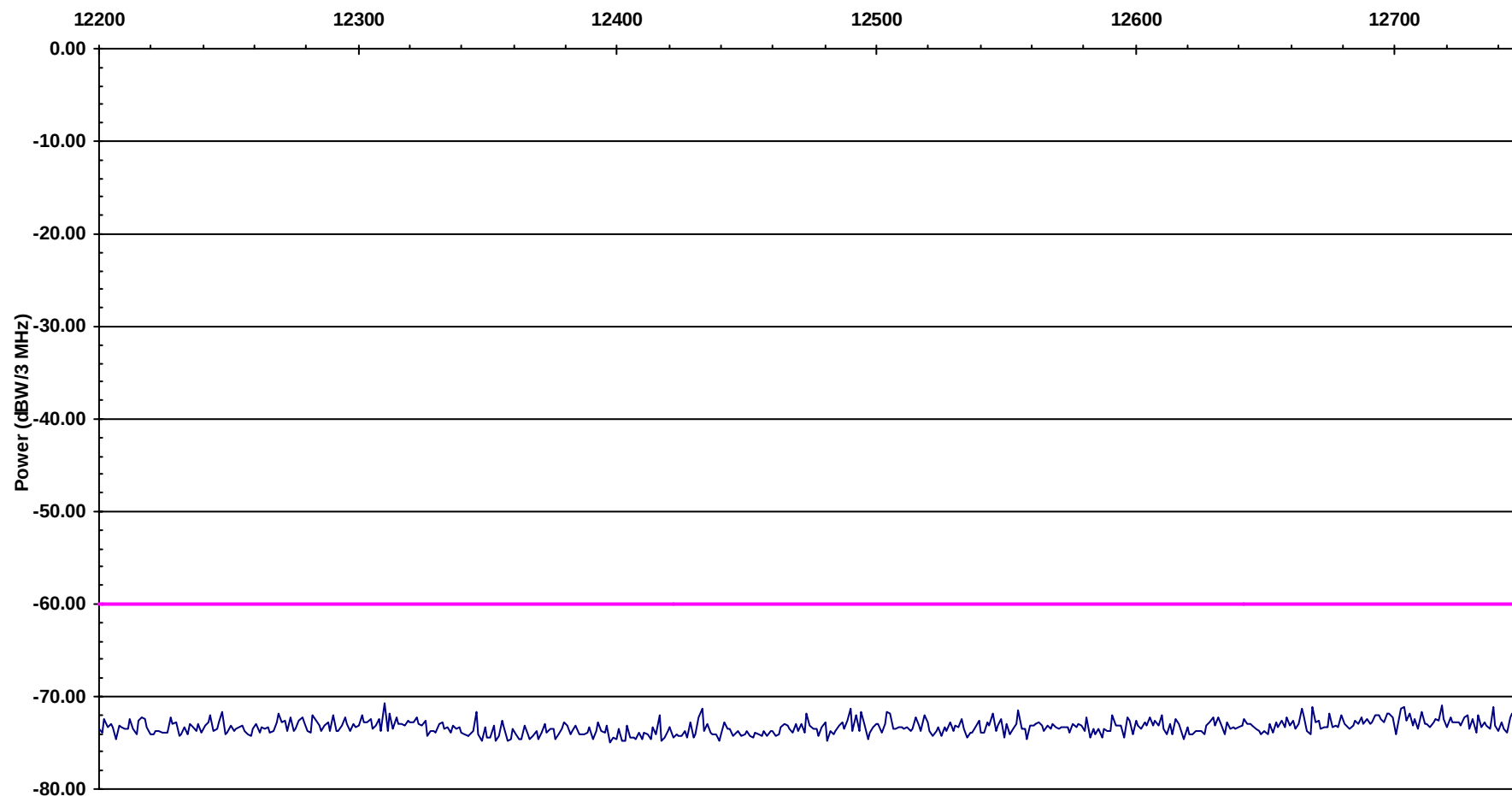


*PlotTitle*

*Plot Number*

Channel# 250 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 12200.00MHz to 12750.00MHz

93

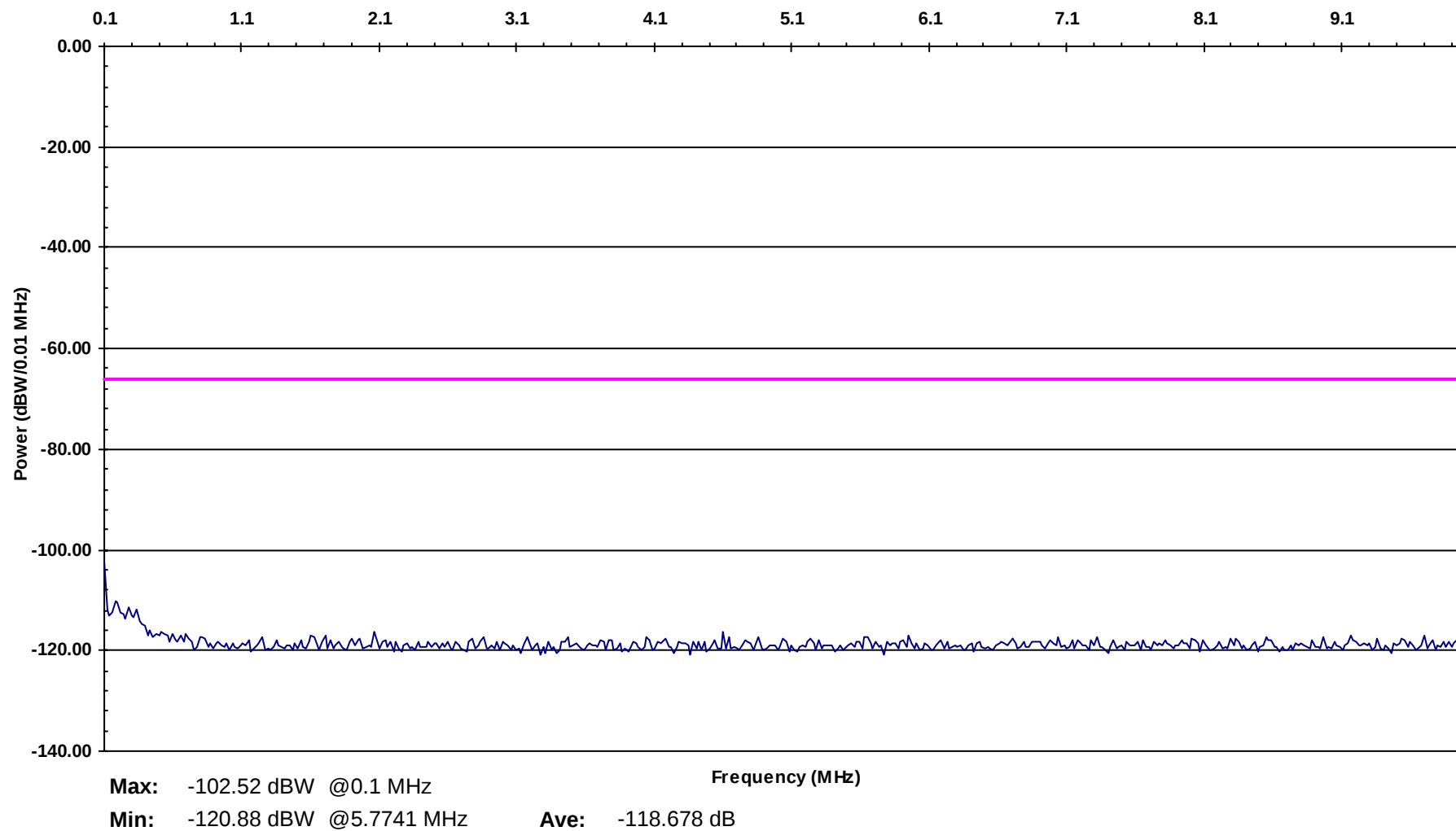


**Max:** -70.76 dBW @12310.2204 MHz

**Min:** -75.06 dBW @12397.2946 MHz    **Ave:** -73.2973 dB

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 0.10MHz to 10.00MHz

114

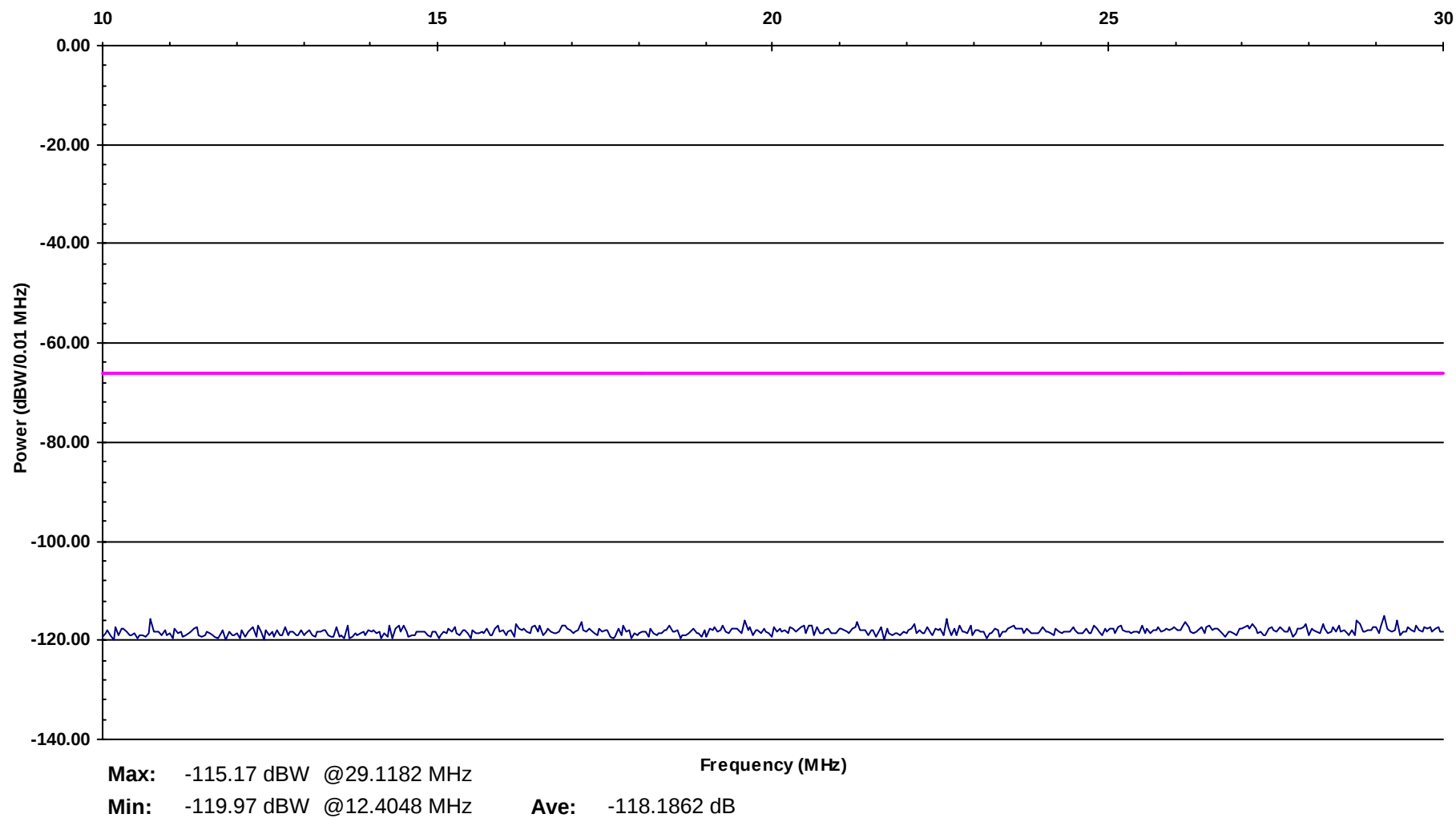


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 10.00MHz to 30.00MHz

115

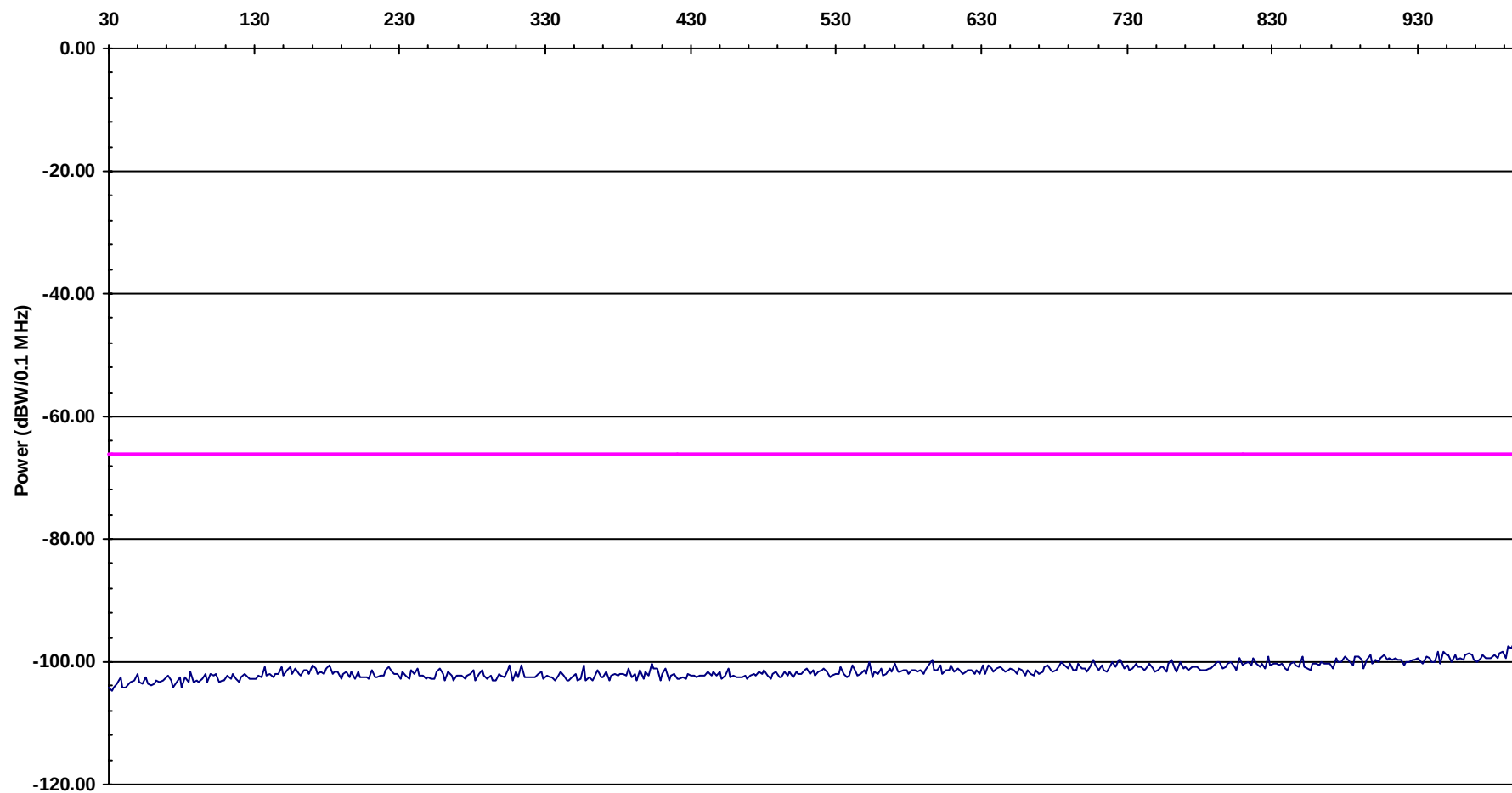


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 30.00MHz to 1000.00MHz

116



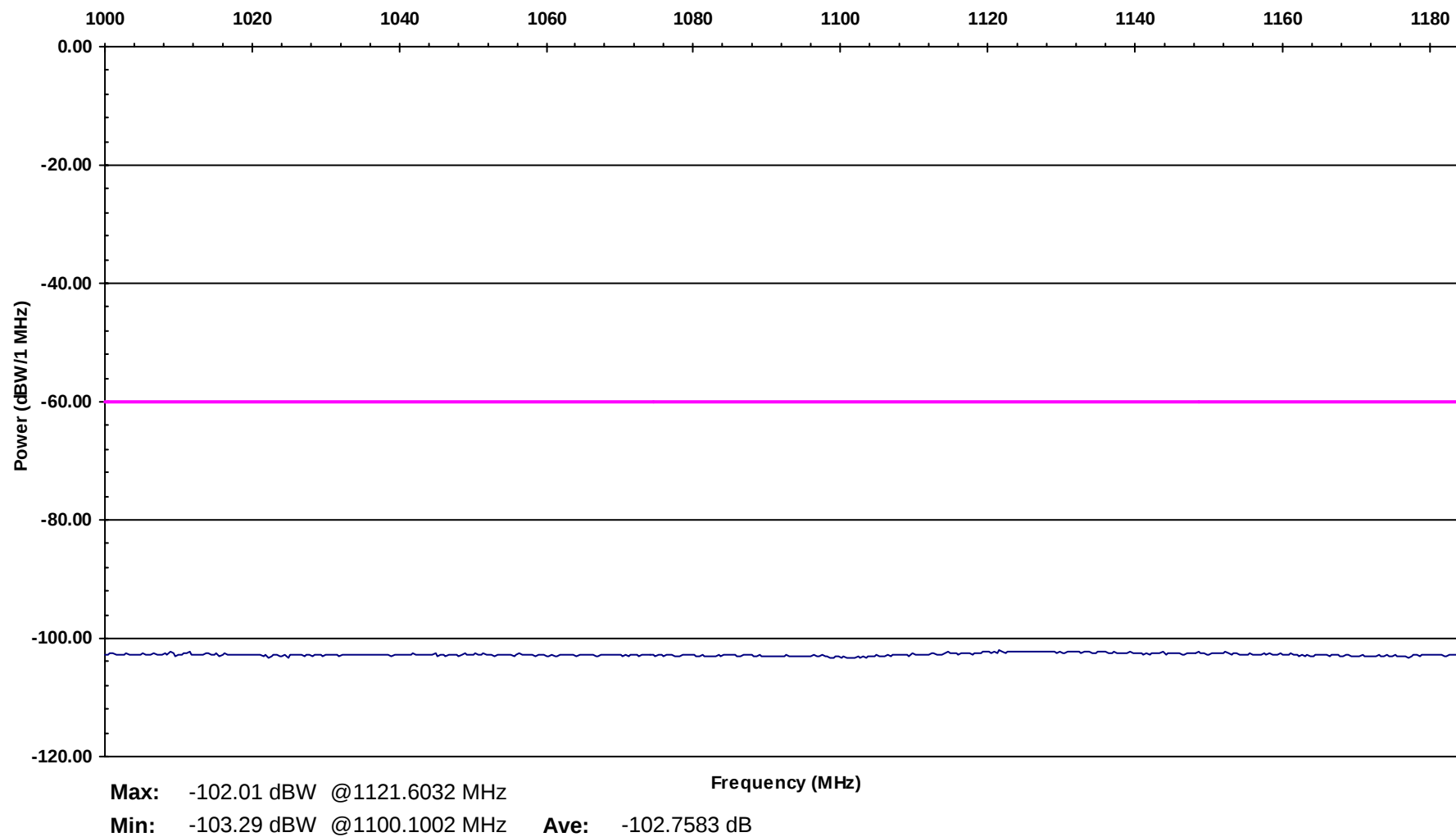
**Max:** -96.75 dBW @996.1122 MHz

**Min:** -104.74 dBW @31.9439 MHz

**Ave:** -101.4481 dB

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1000.00MHz to 1185.00MHz

117

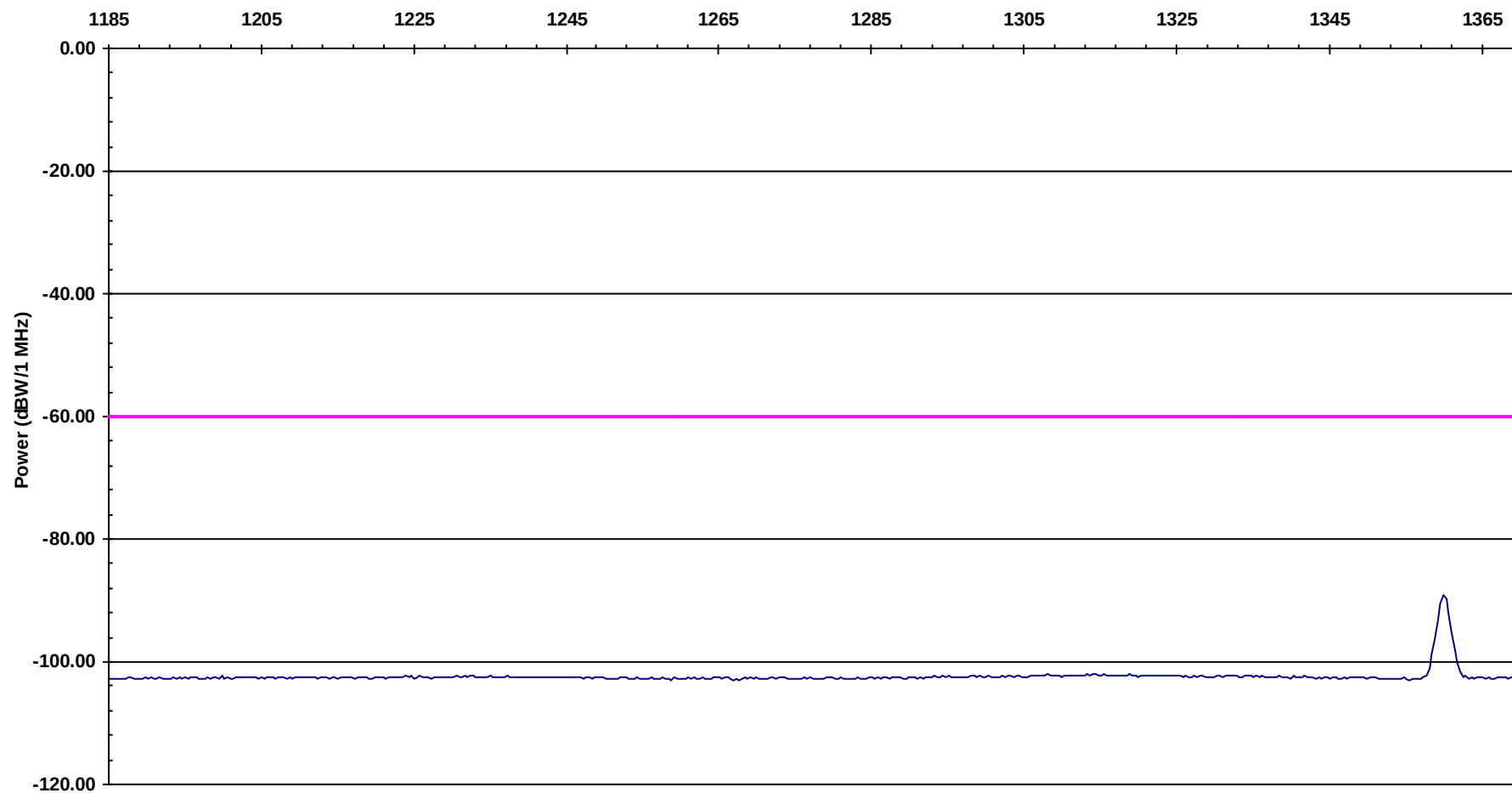


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 1185.00MHz to 1370.00MHz

118

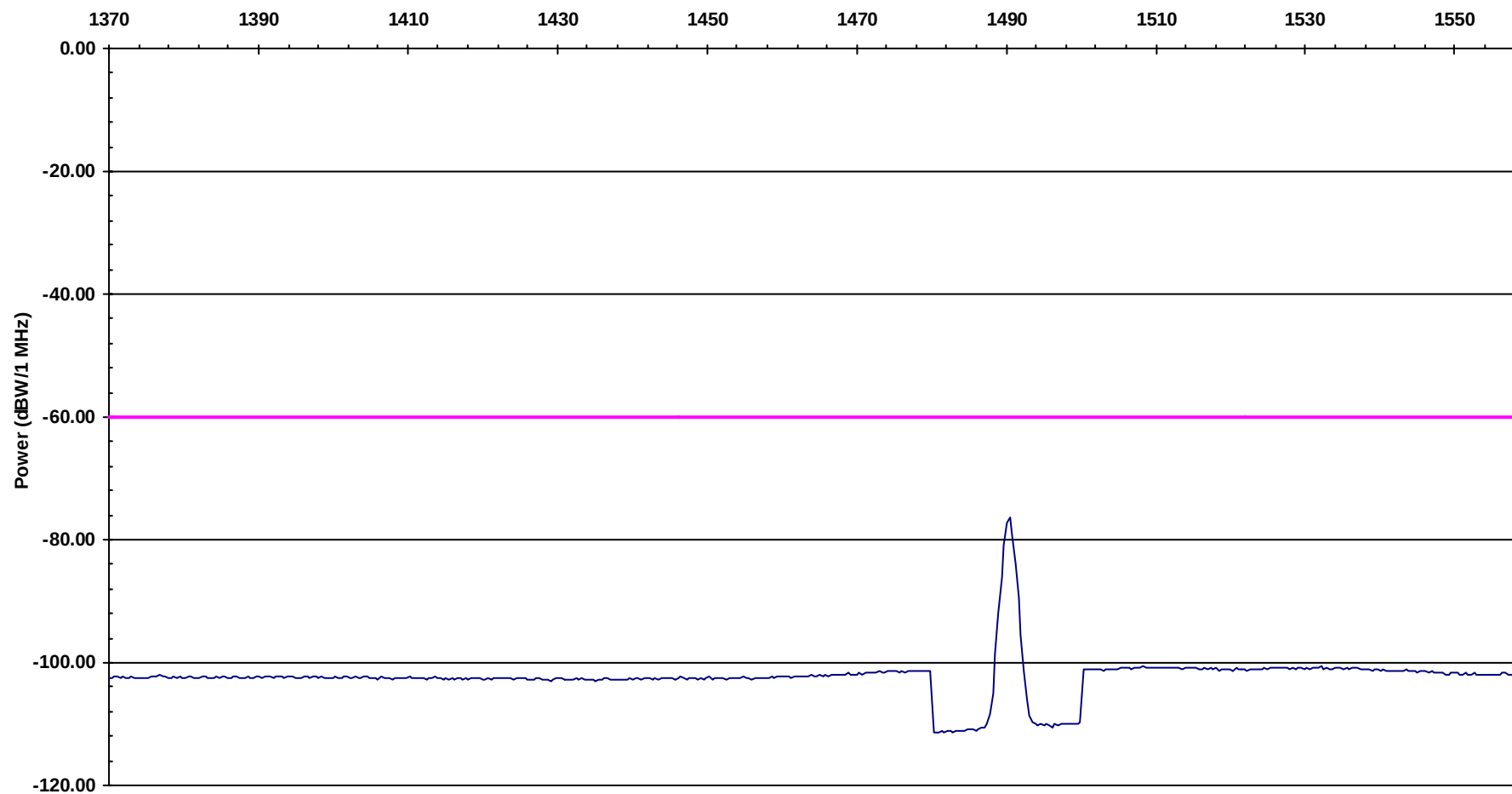


**Max:** -89.18 dBW @1359.99 MHz

**Min:** -103.07 dBW @1267.6754 MHz    **Ave:** -102.3627 dB

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1370.00MHz to 1559.00MHz

119



Max: -76.36 dBW @1490.4449 MHz

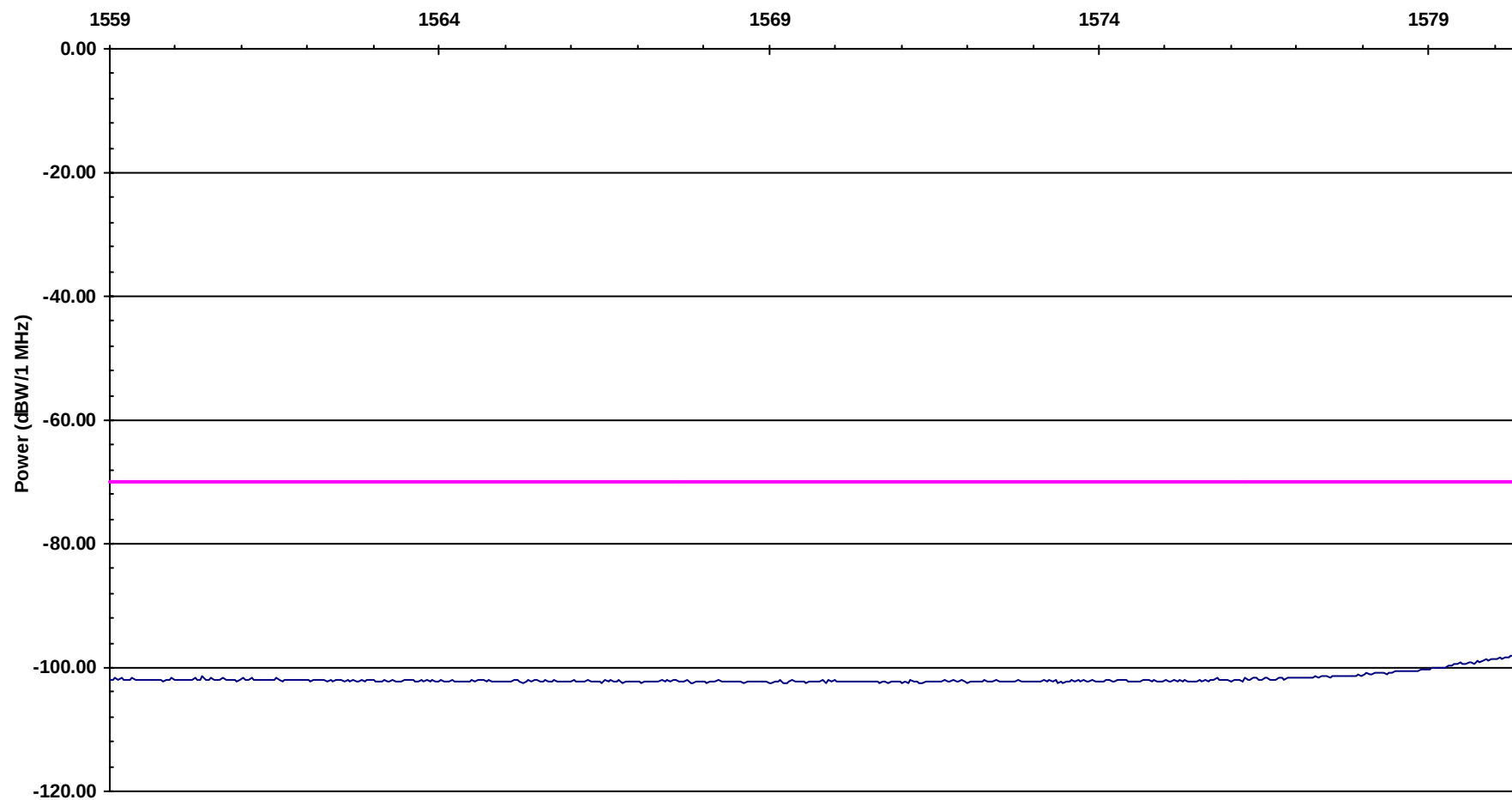
Min: -111.39 dBW @1480.5972 MHz Ave: -102.338 dB

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 1559.00MHz to 1580.42MHz

120

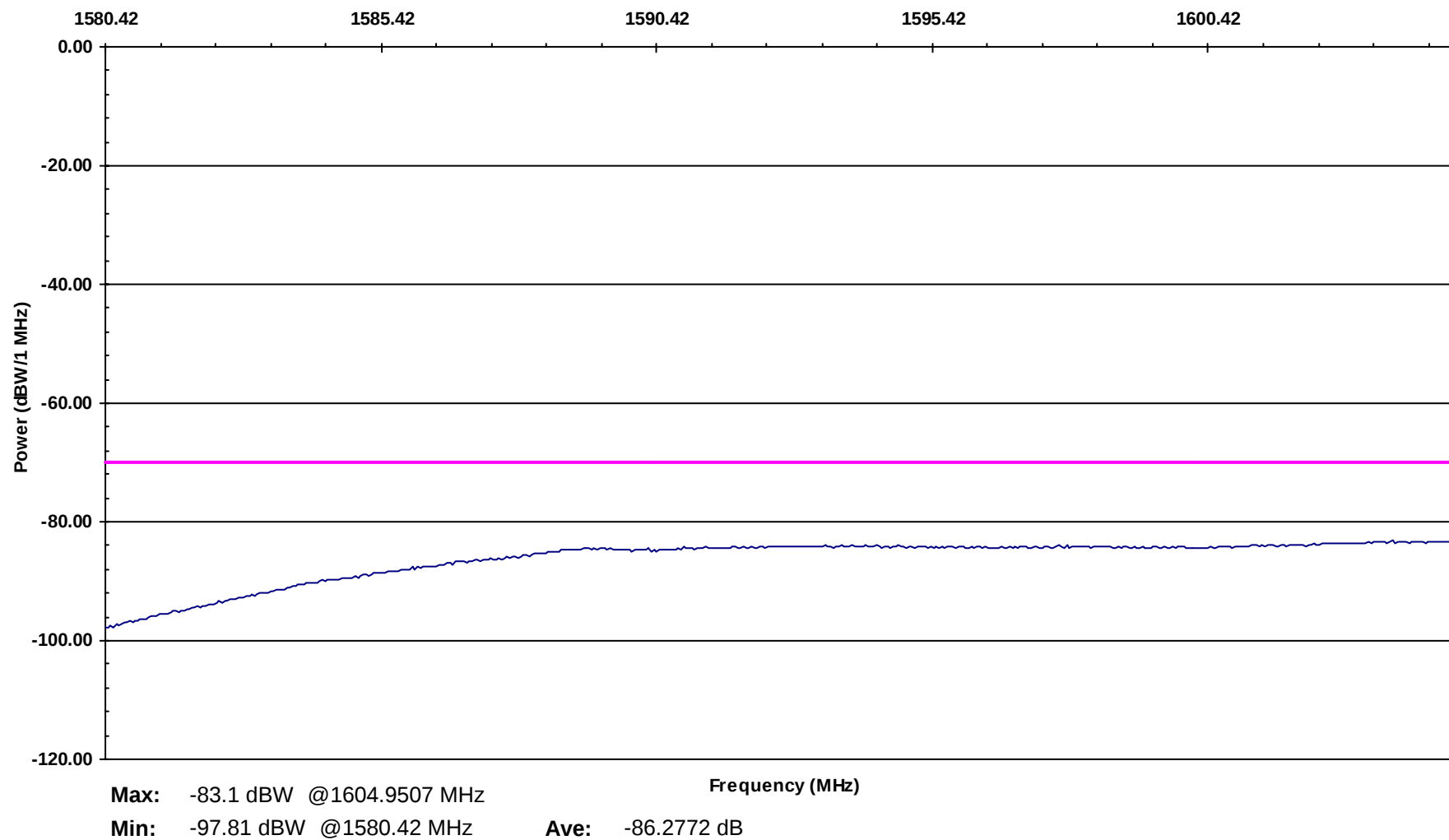


**Max:** -97.91 dBW @1580.3771 MHz

**Min:** -102.51 dBW @1568.6154 MHz    **Ave:** -101.8062 dB

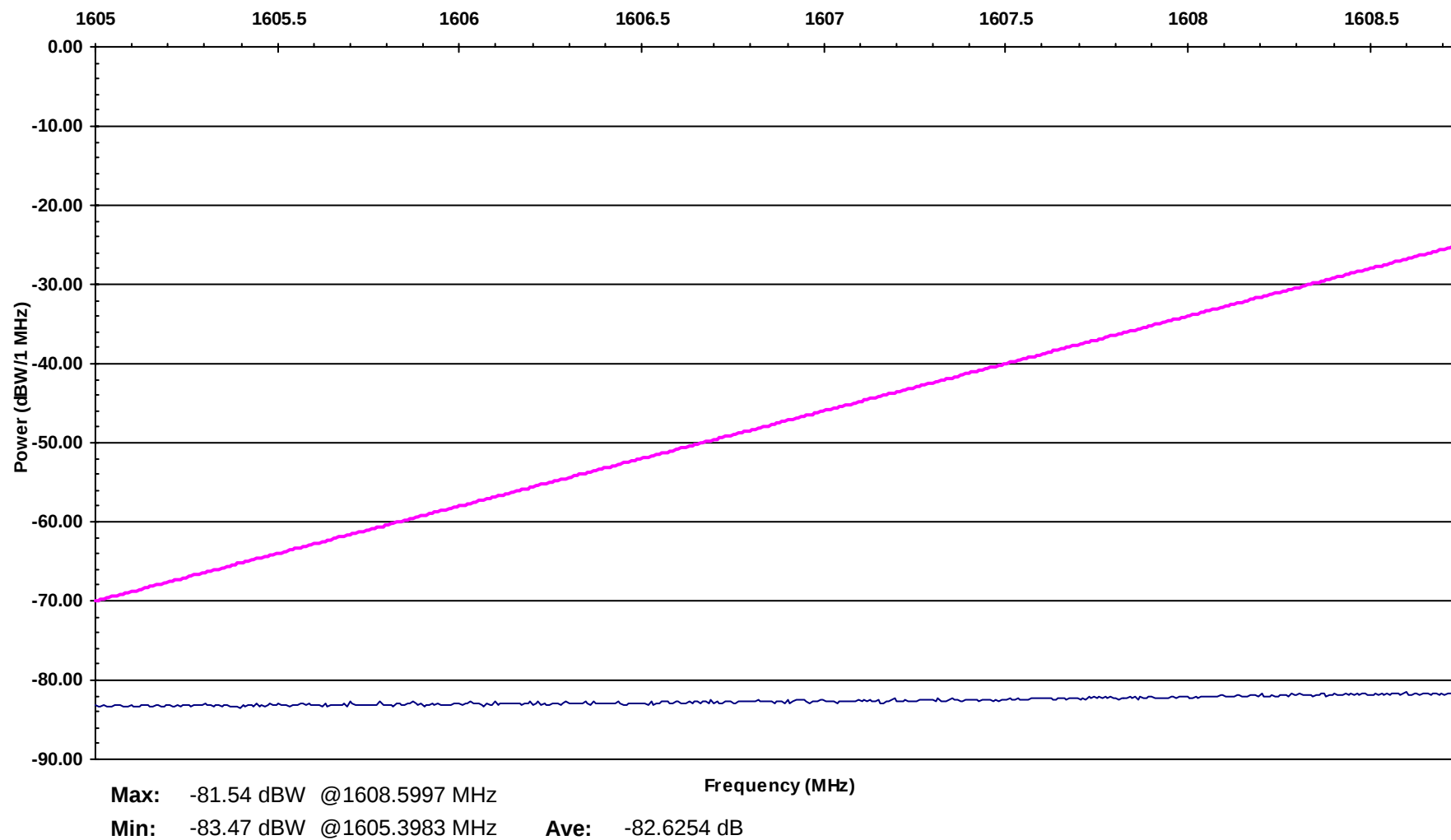
Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1580.42MHz to 1605.00MHz

121



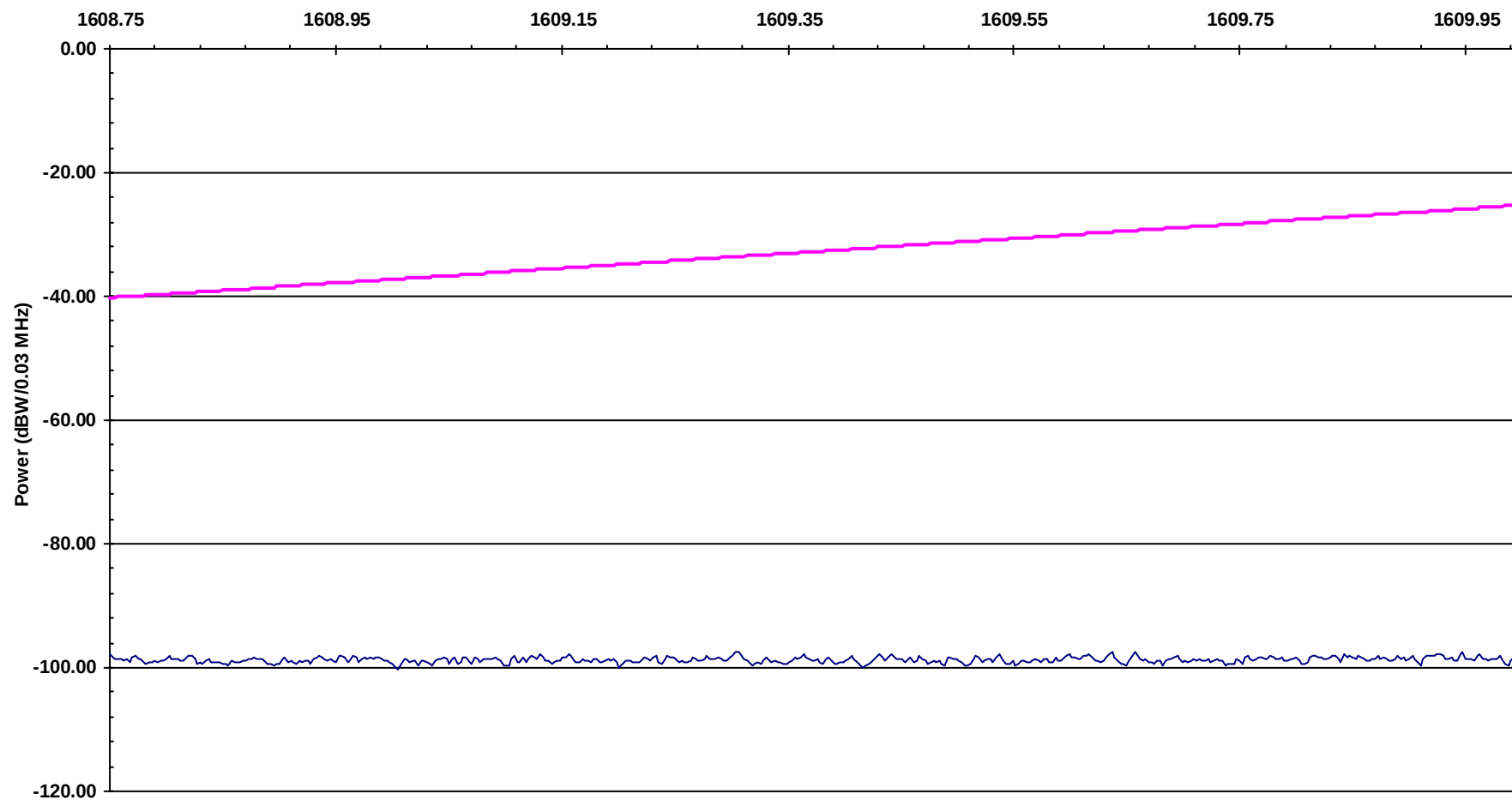
Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1605.00MHz to 1608.75MHz

122



Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1608.75MHz to 1610.00MHz

123



Max: -97.37 dBW @1609.6568 MHz

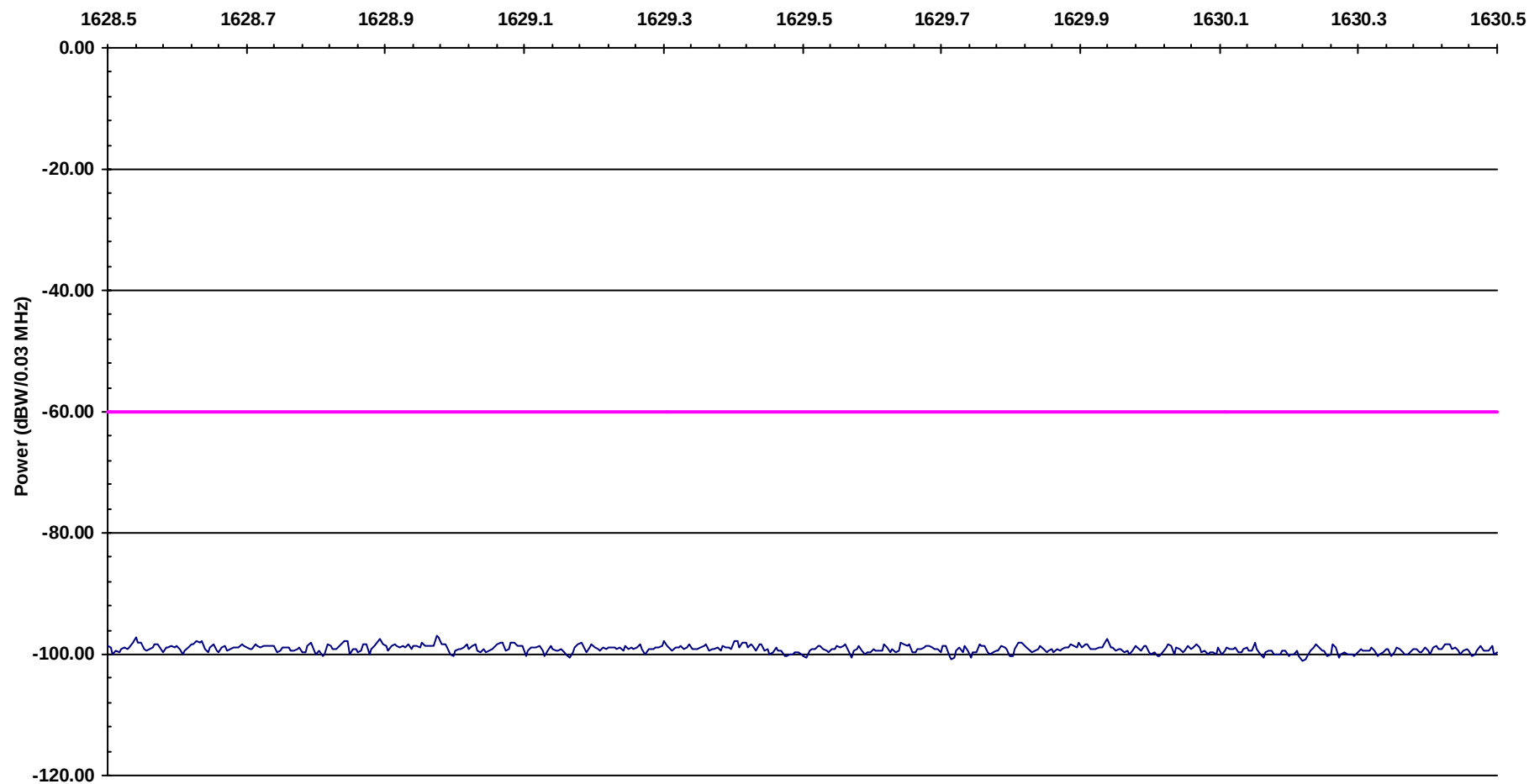
Min: -100.31 dBW @1609.0055 MHz Ave: -98.7539 dB

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 1628.50MHz to 1630.50MHz

124



**Max:** -97.01 dBW @1628.9729 MHz

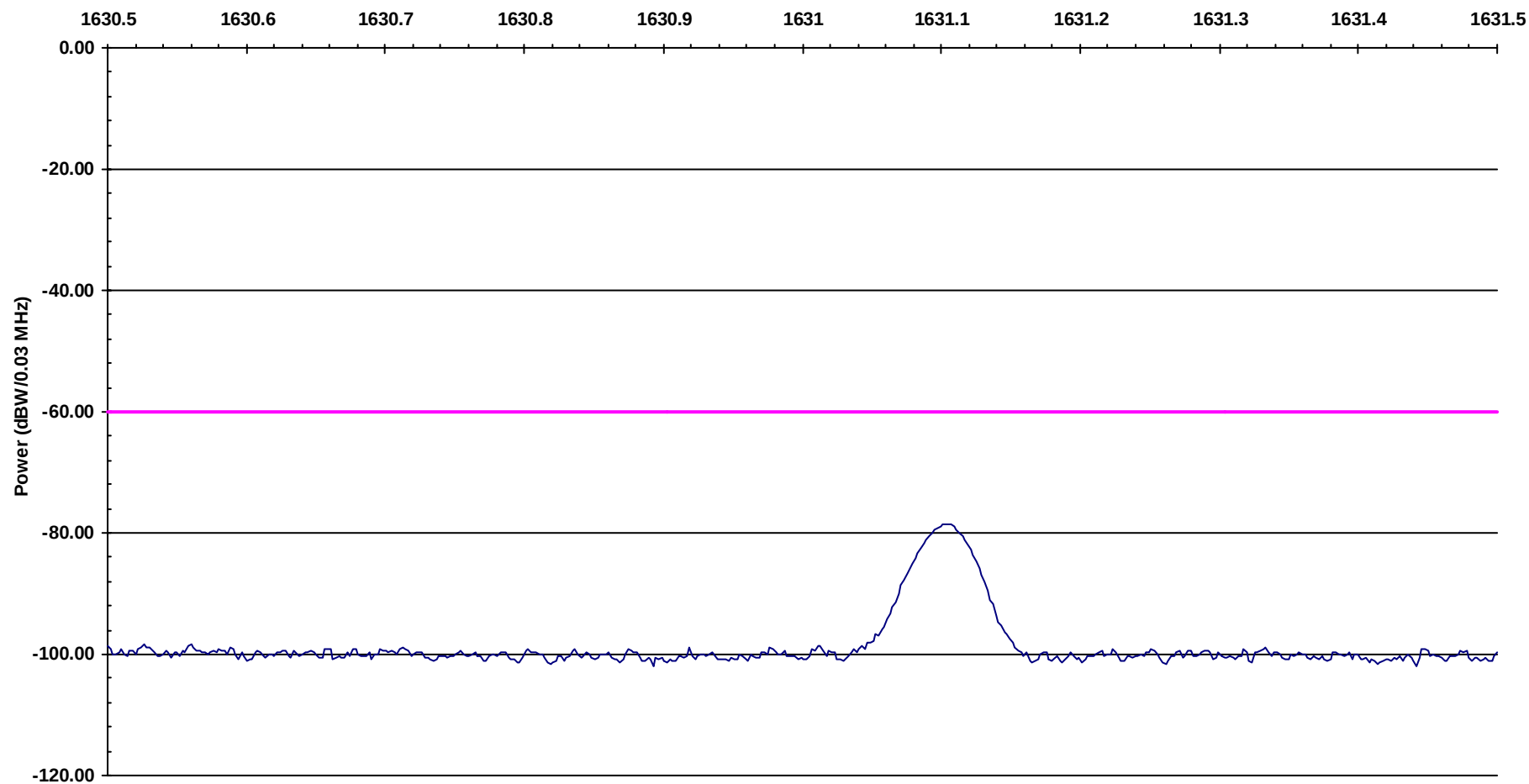
**Min:** -101.04 dBW @1630.2194 MHz    **Ave:** -99.1342 dB

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 1630.50MHz to 1631.50MHz

125



**Max:** -78.49 dBW @1631.1032 MHz

Frequency (MHz)

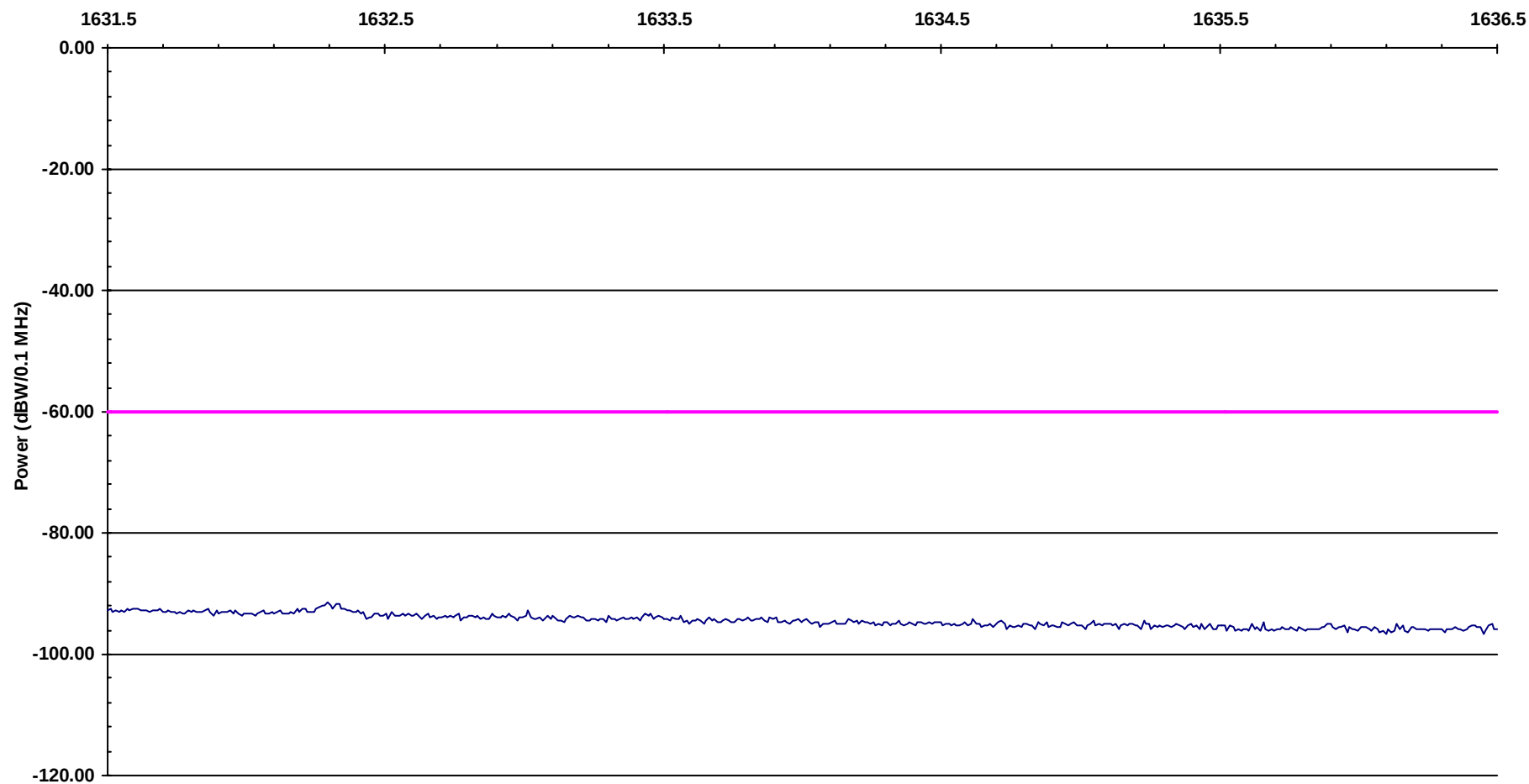
**Min:** -101.97 dBW @1630.8928 MHz    **Ave:** -98.818 dBW

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 1631.50MHz to 1636.50MHz

126



**Max:** -91.4 dBW @1632.2916 MHz

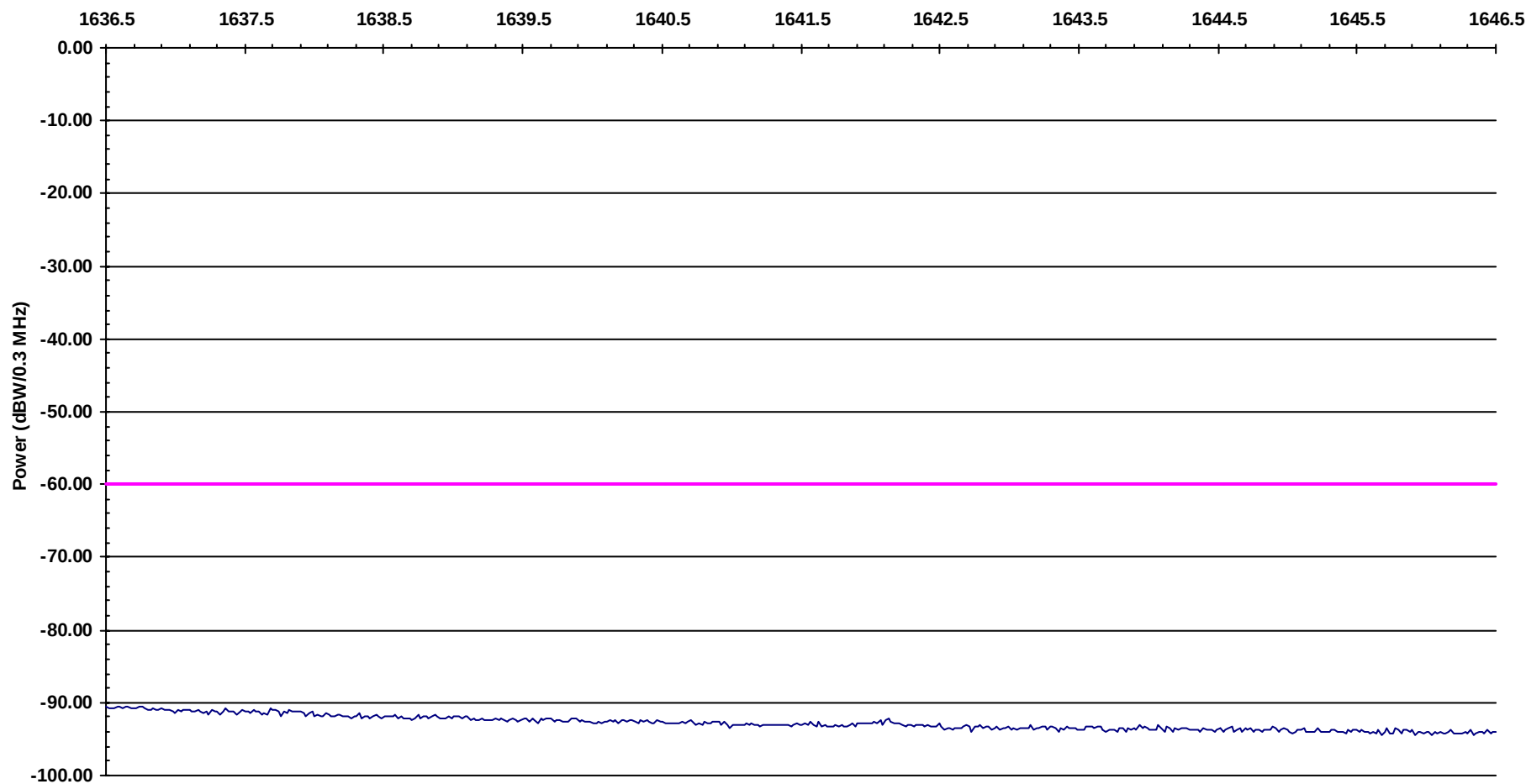
**Min:** -96.72 dBW @1636.0992 MHz    **Ave:** -94.4864 dB

PlotTitle

Plot Number

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 1636.50MHz to 1646.50MHz

127



Max: -90.43 dBW @1636.7405 MHz

Min: -94.45 dBW @1645.6784 MHz

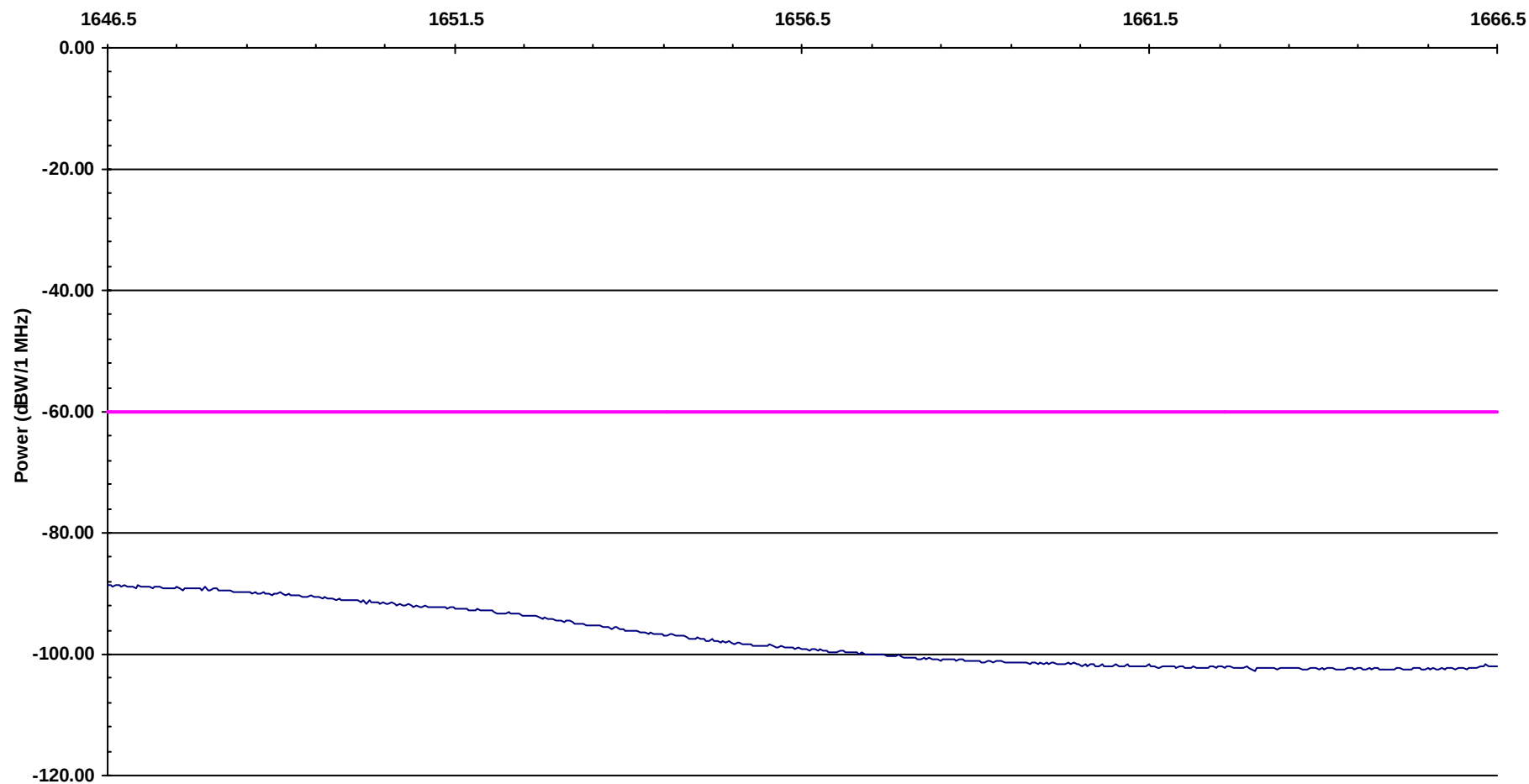
Ave: -92.7972 dB

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 1646.50MHz to 1666.50MHz

128



**Max:** -88.65 dBW @1646.7405 MHz

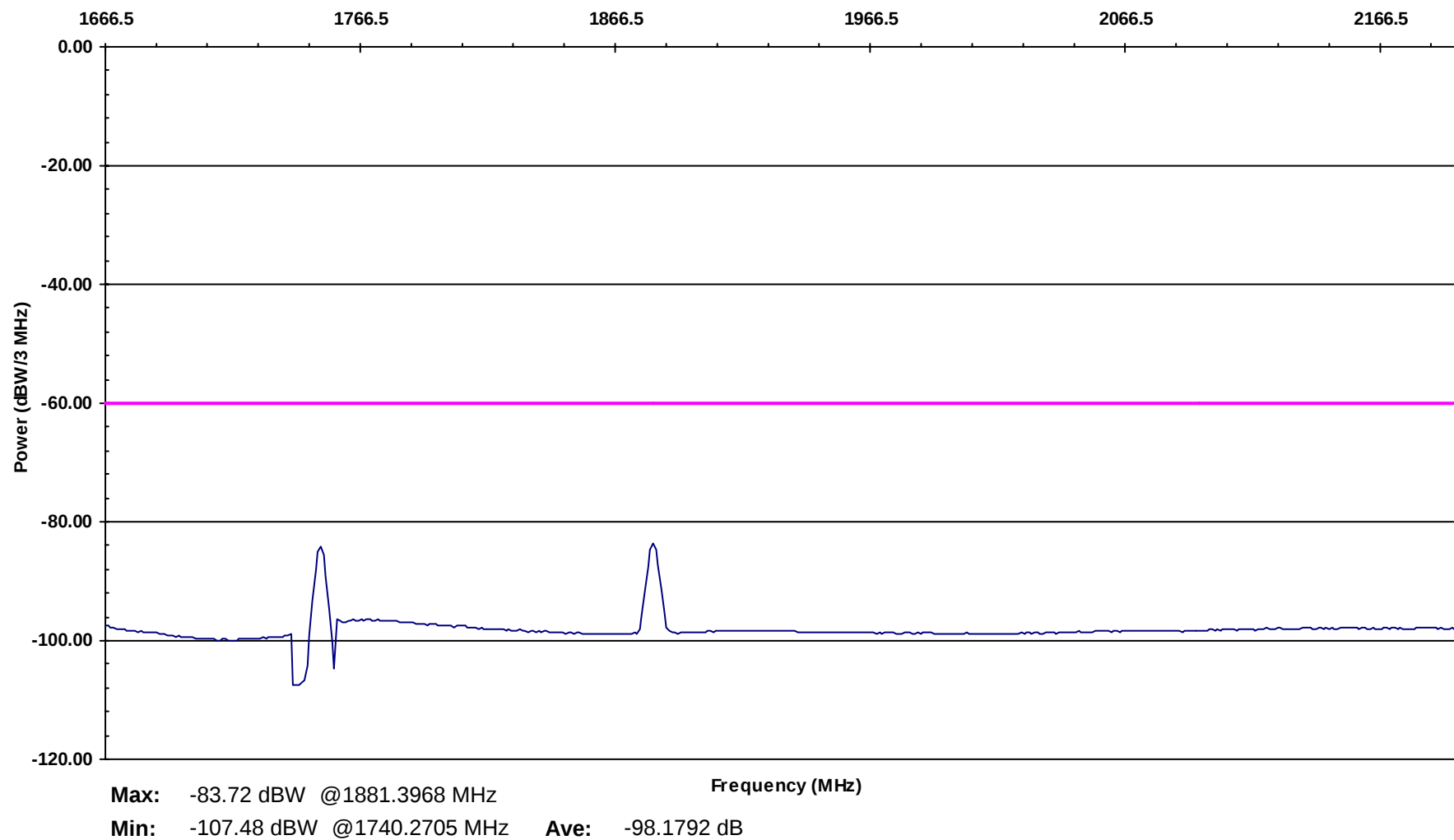
Frequency (MHz)

**Min:** -102.65 dBW @1663.013 MHz

**Ave:** -97.3384 dB

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 1666.50MHz to 2200.00MHz

129

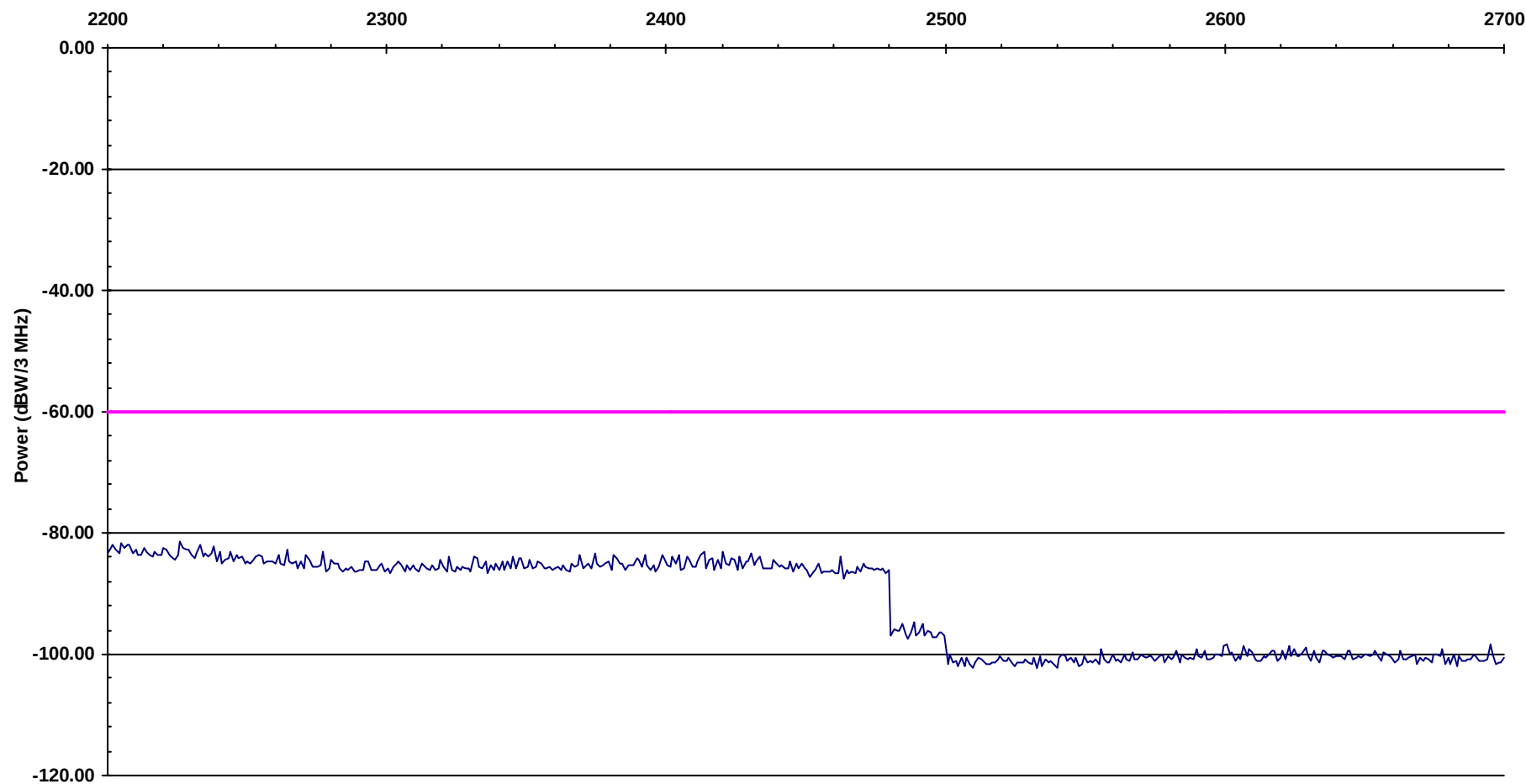


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 2200.00MHz to 2700.00MHz

130



**Max:** -81.52 dBW @2226.0521 MHz

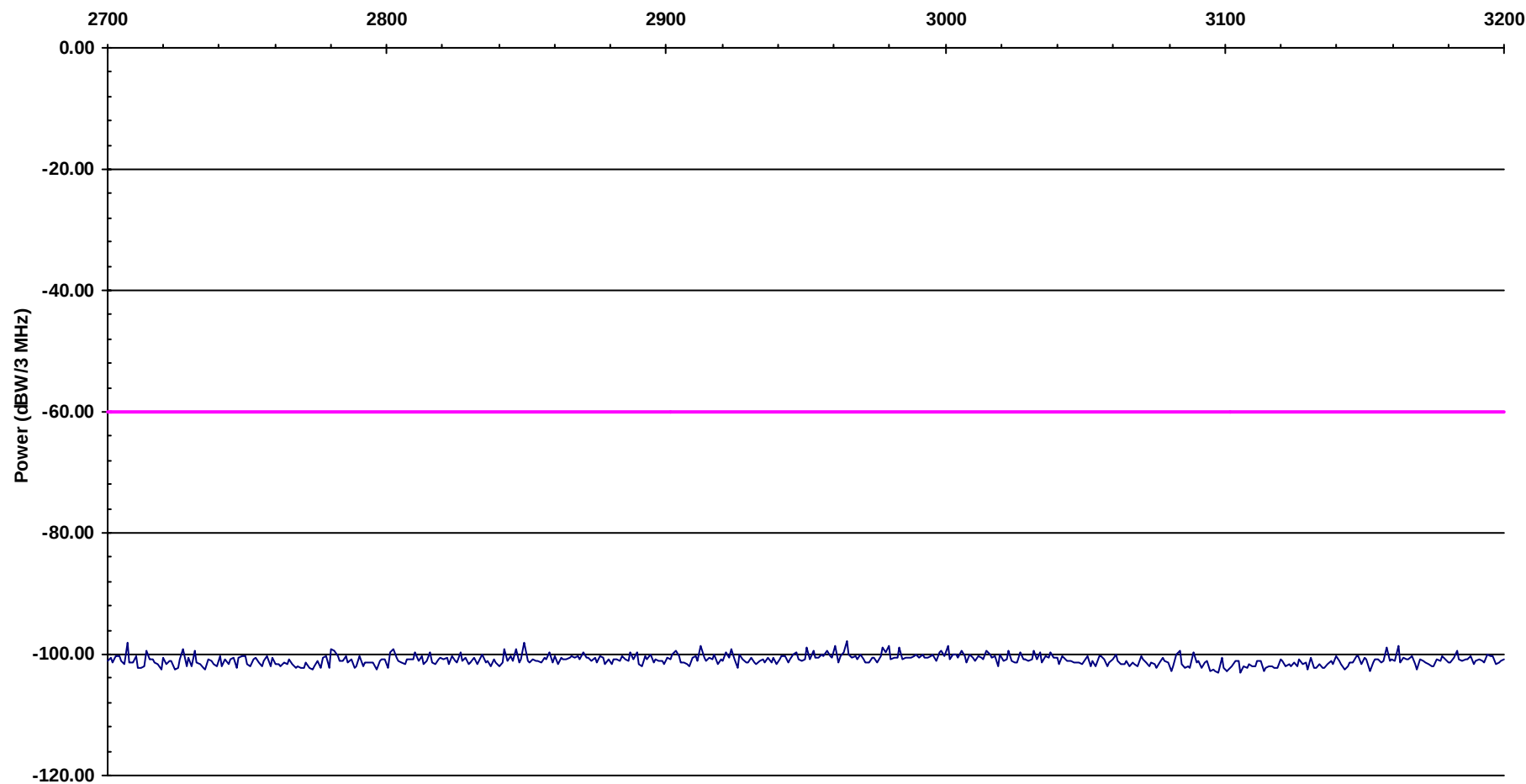
**Min:** -102.11 dBW @2539.6794 MHz    **Ave:** -91.6727 dB

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 2700.00MHz to 3200.00MHz

131

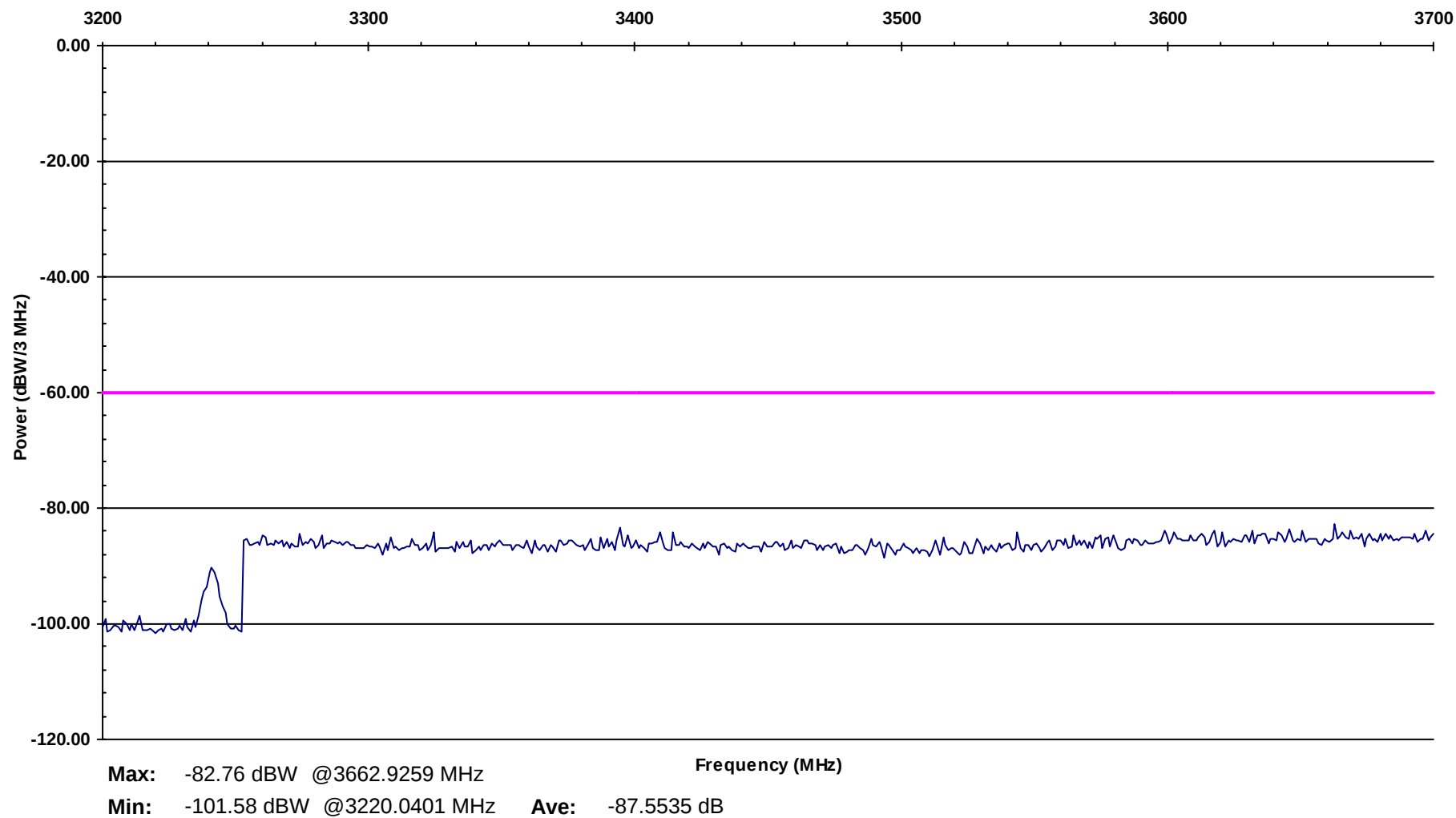


**Max:** -97.87 dBW @2964.5291 MHz

**Min:** -103.12 dBW @3097.7956 MHz    **Ave:** -100.9724 dB

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise &amp; Spurious: 3200.00MHz to 3700.00MHz

132

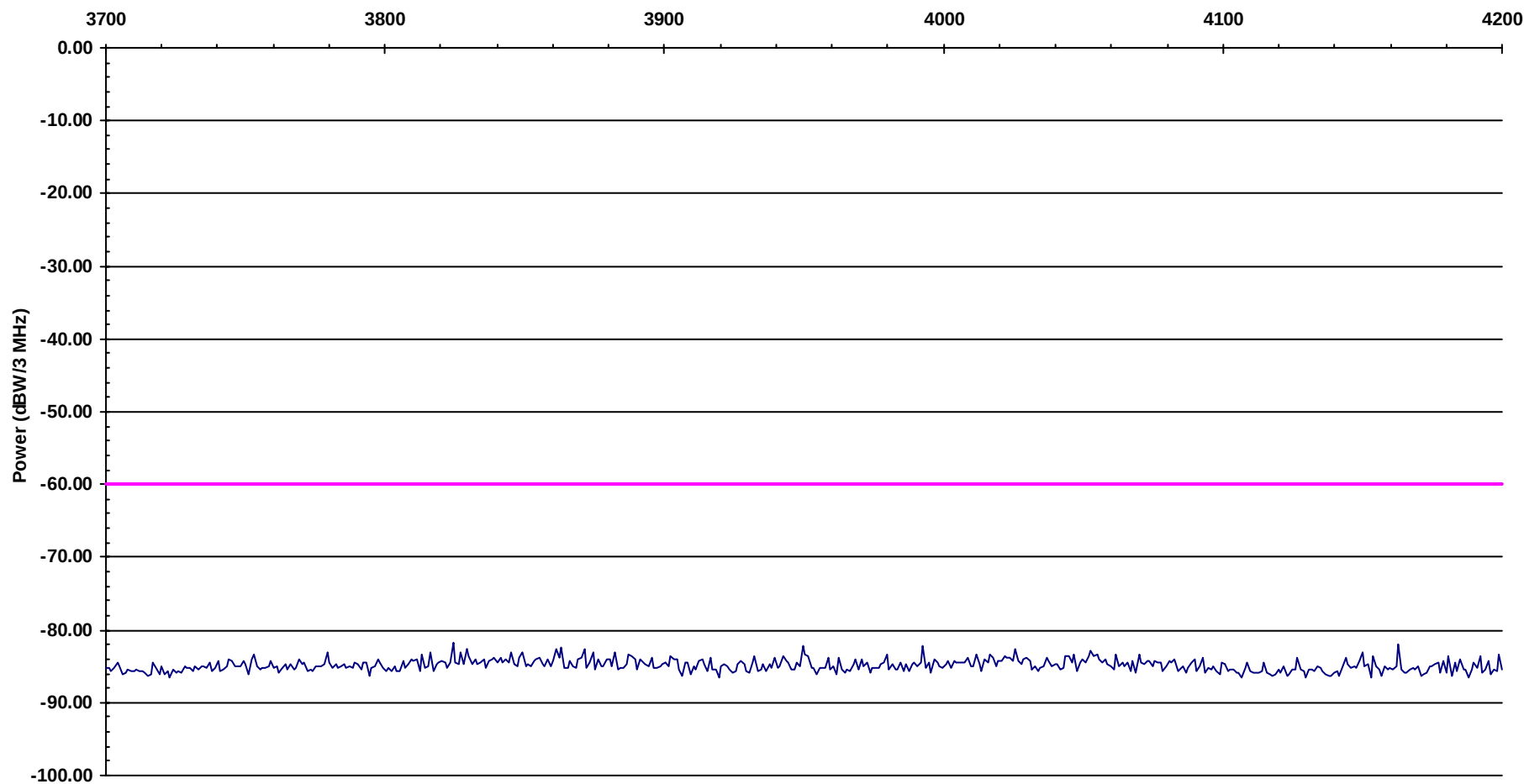


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 3700.00MHz to 4200.00MHz

133



**Max:** -81.75 dBW @3824.2485 MHz

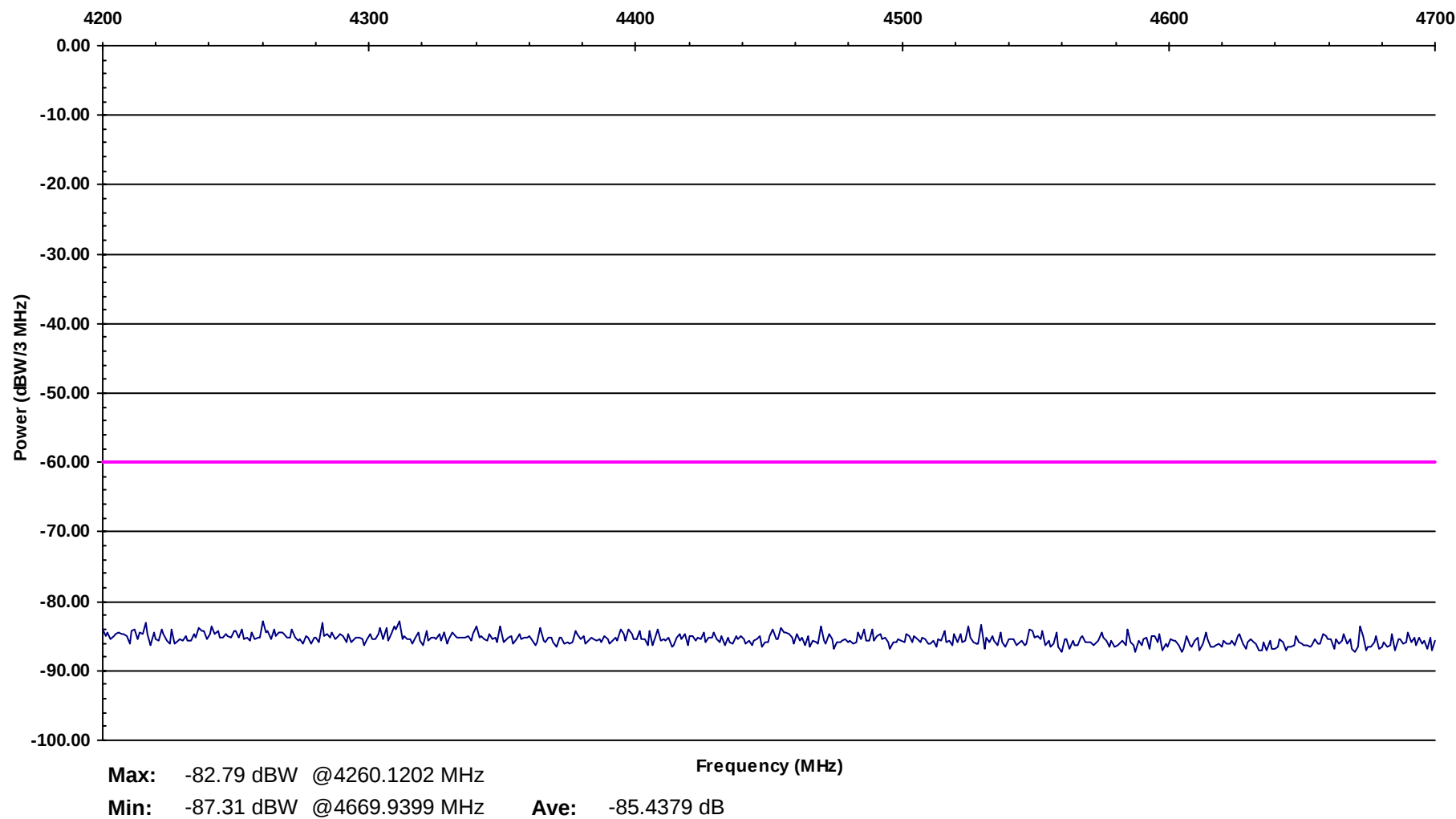
**Min:** -86.65 dBW @4129.8597 MHz    **Ave:** -84.851 dBW

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 4200.00MHz to 4700.00MHz

134

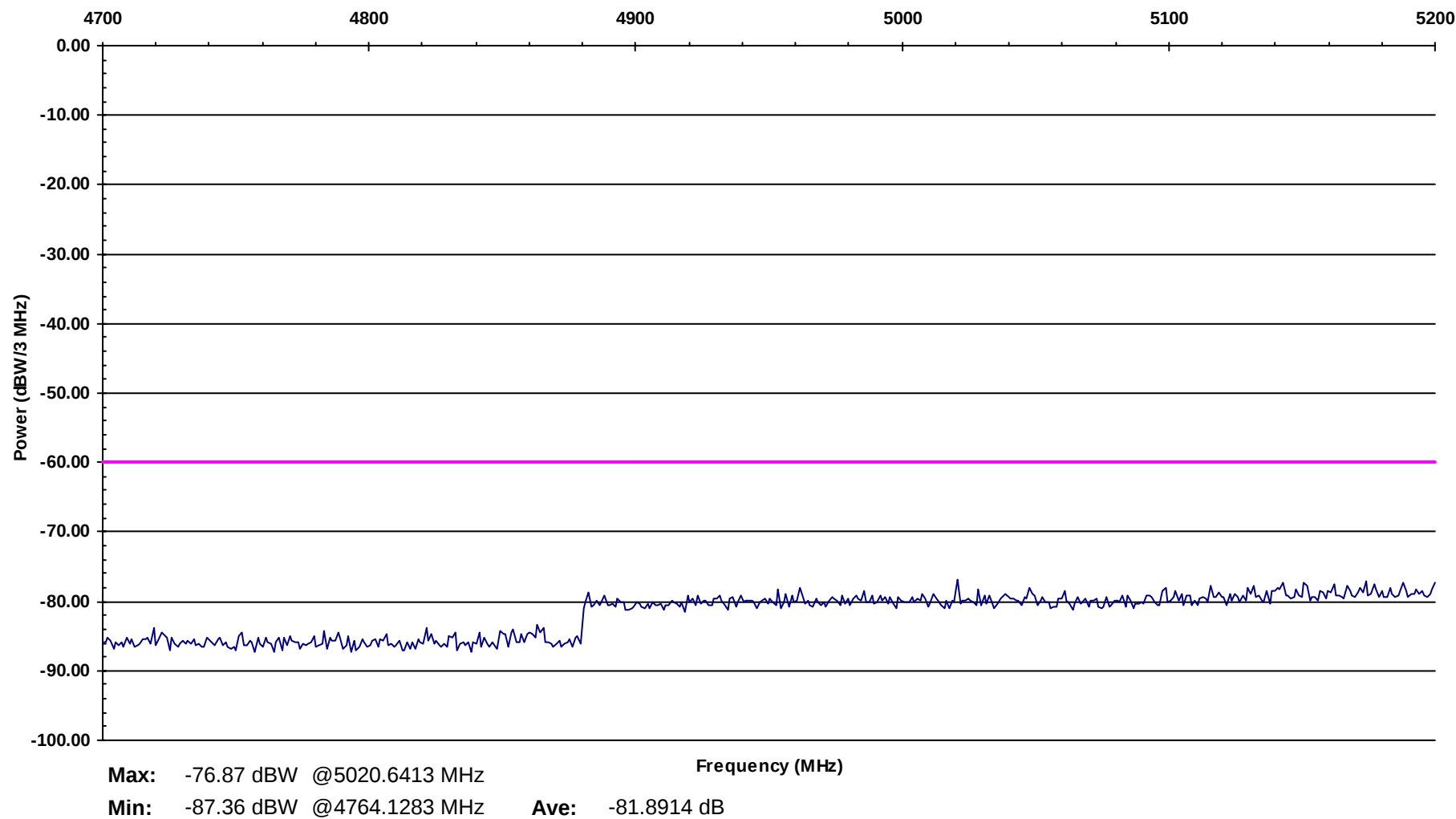


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 4700.00MHz to 5200.00MHz

135

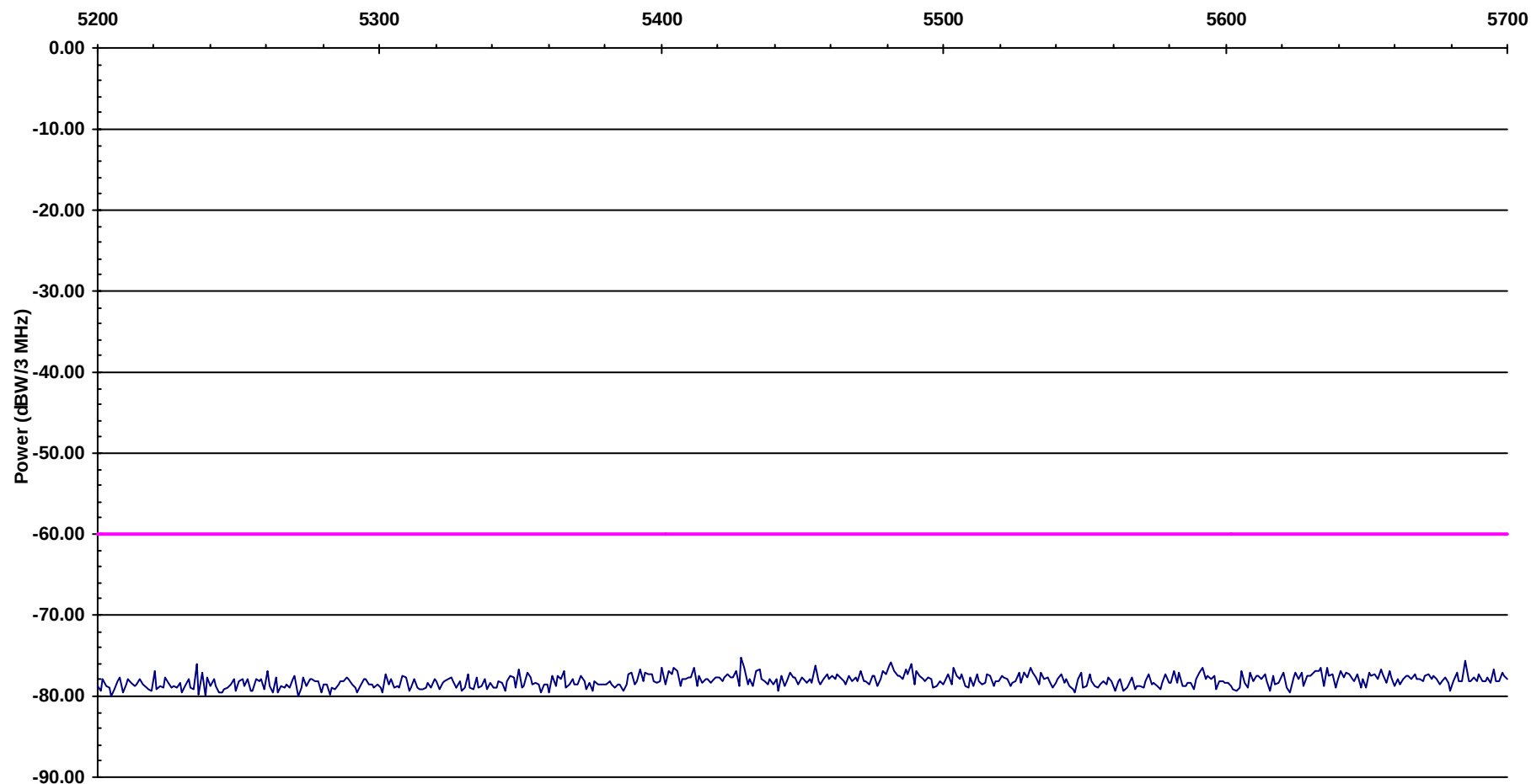


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 5200.00MHz to 5700.00MHz

136



**Max:** -75.22 dBW @5428.4569 MHz

**Min:** -80.1 dBW @5238.0762 MHz

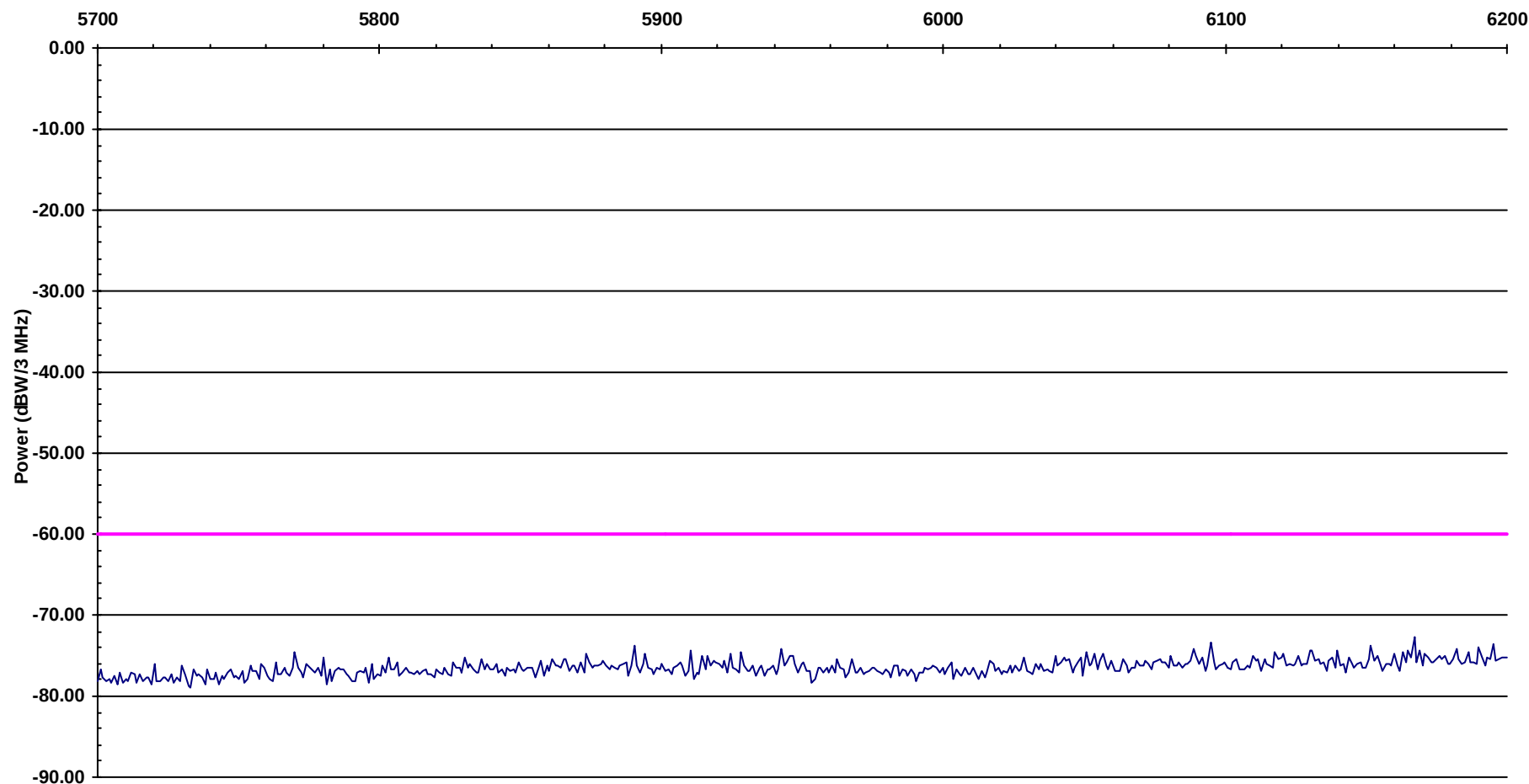
**Ave:** -78.1302 dB

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 5700.00MHz to 6200.00MHz

137



**Max:** -72.79 dBW @6166.9339 MHz

**Min:** -78.97 dBW @5733.0661 MHz

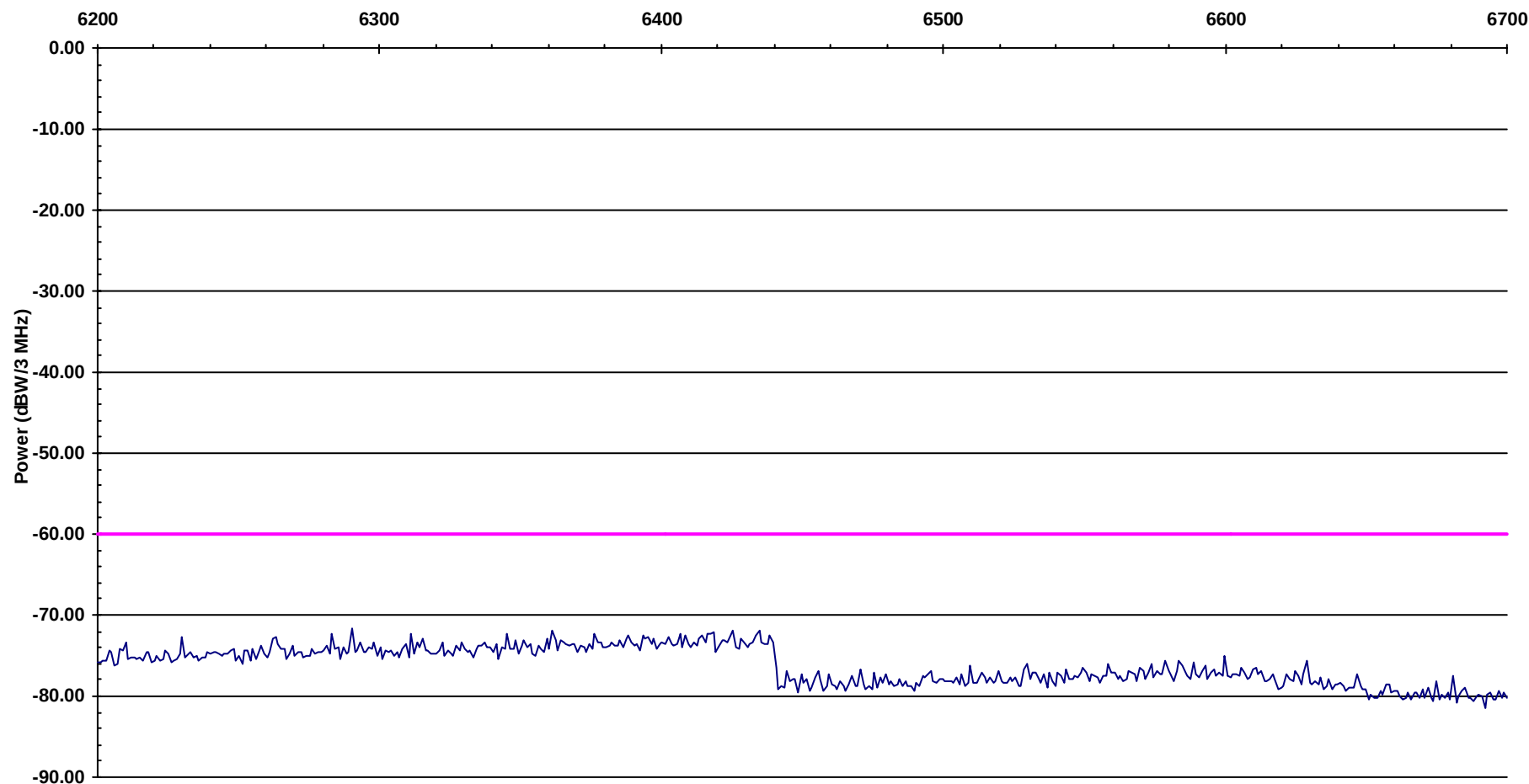
**Ave:** -76.4697 dB

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 6200.00MHz to 6700.00MHz

138



**Max:** -71.69 dBW @6290.1804 MHz

**Min:** -81.36 dBW @6691.984 MHz

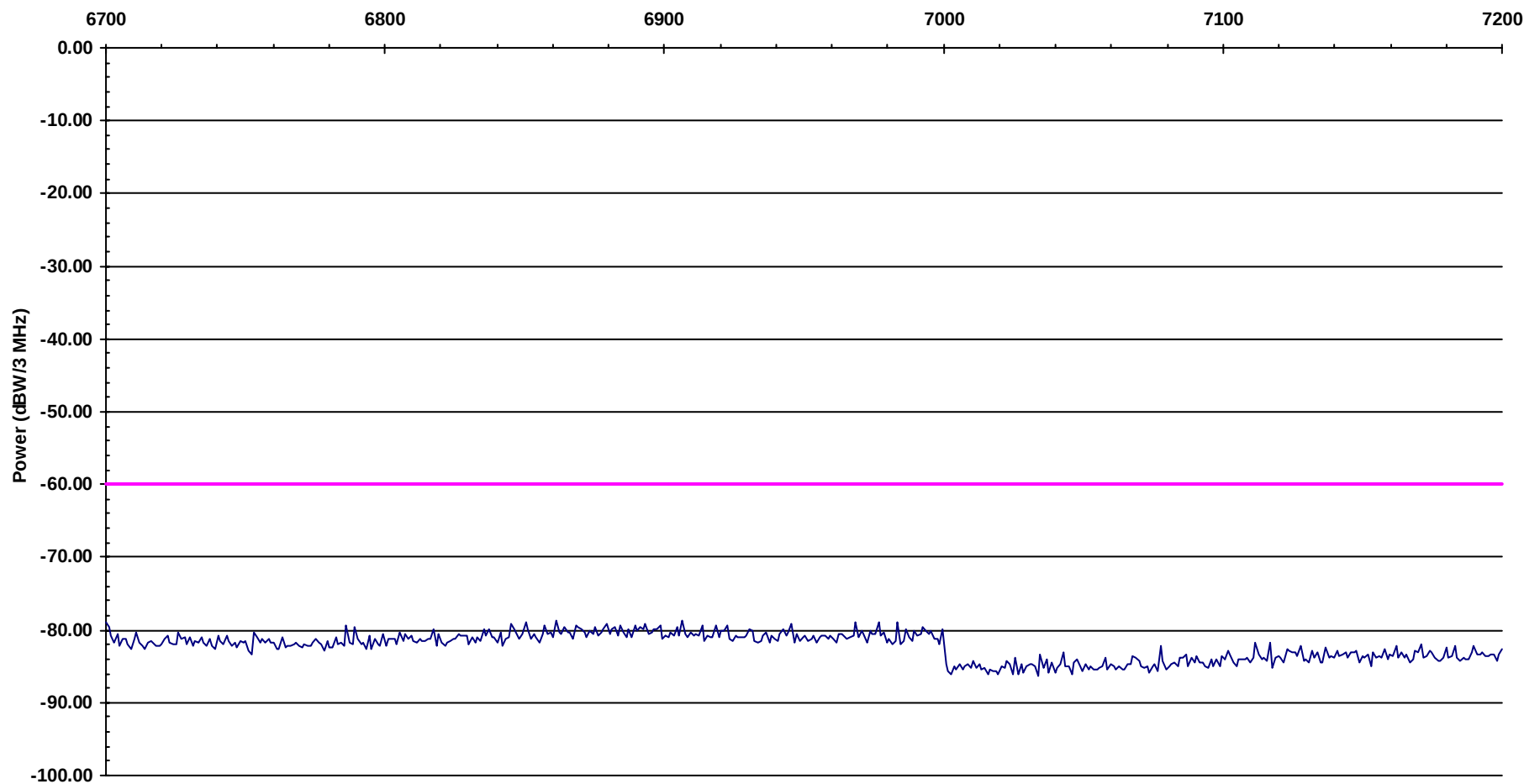
**Ave:** -76.2429 dB

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 6700.00MHz to 7200.00MHz

139



**Max:** -78.67 dBW @6861.3226 MHz

**Min:** -86.3 dBW @7033.6673 MHz

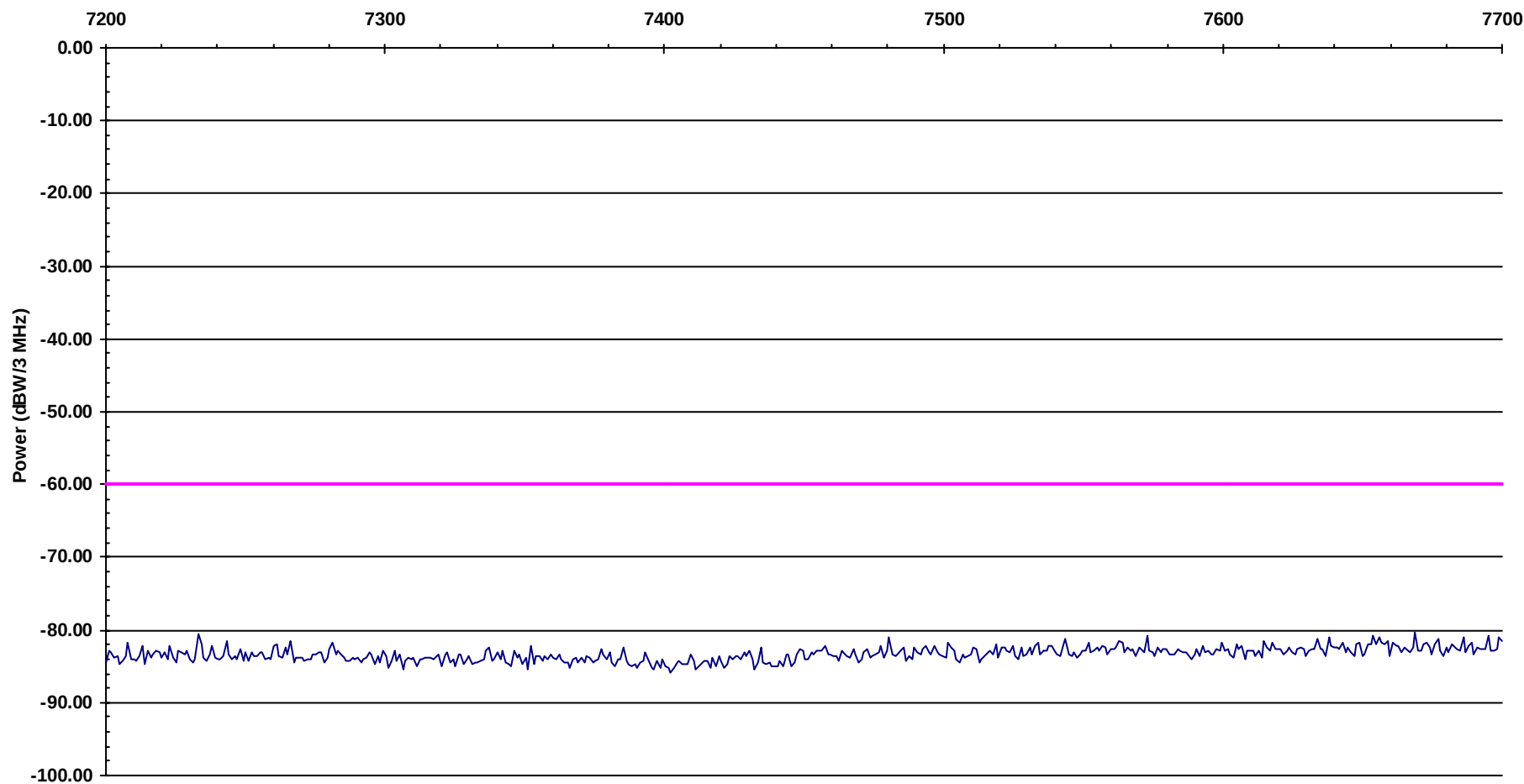
**Ave:** -82.2743 dB

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 7200.00MHz to 7700.00MHz

140



**Max:** -80.37 dBW @7668.9379 MHz

**Min:** -85.87 dBW @7402.4048 MHz

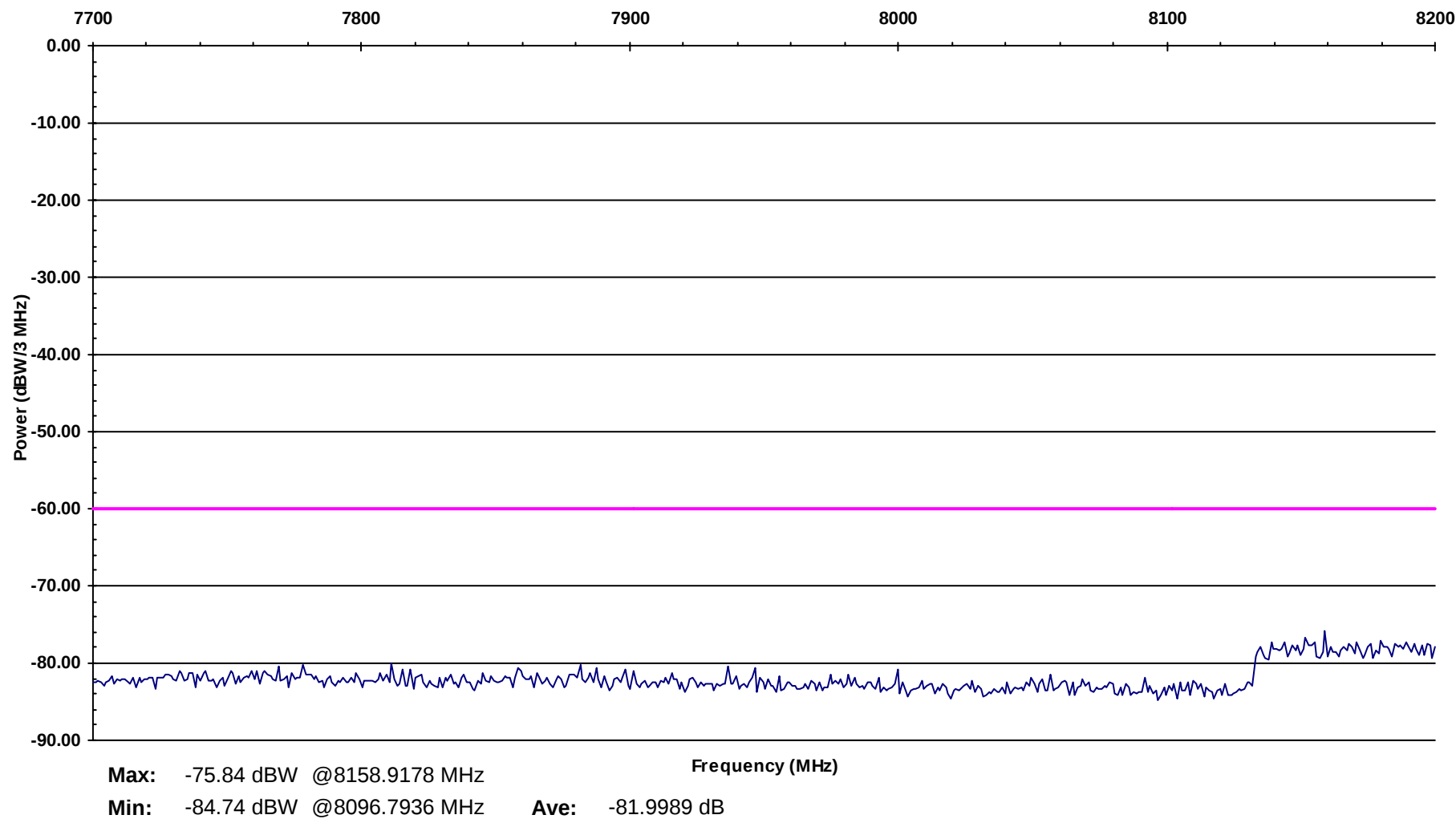
**Ave:** -83.3295 dB

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 7700.00MHz to 8200.00MHz

141

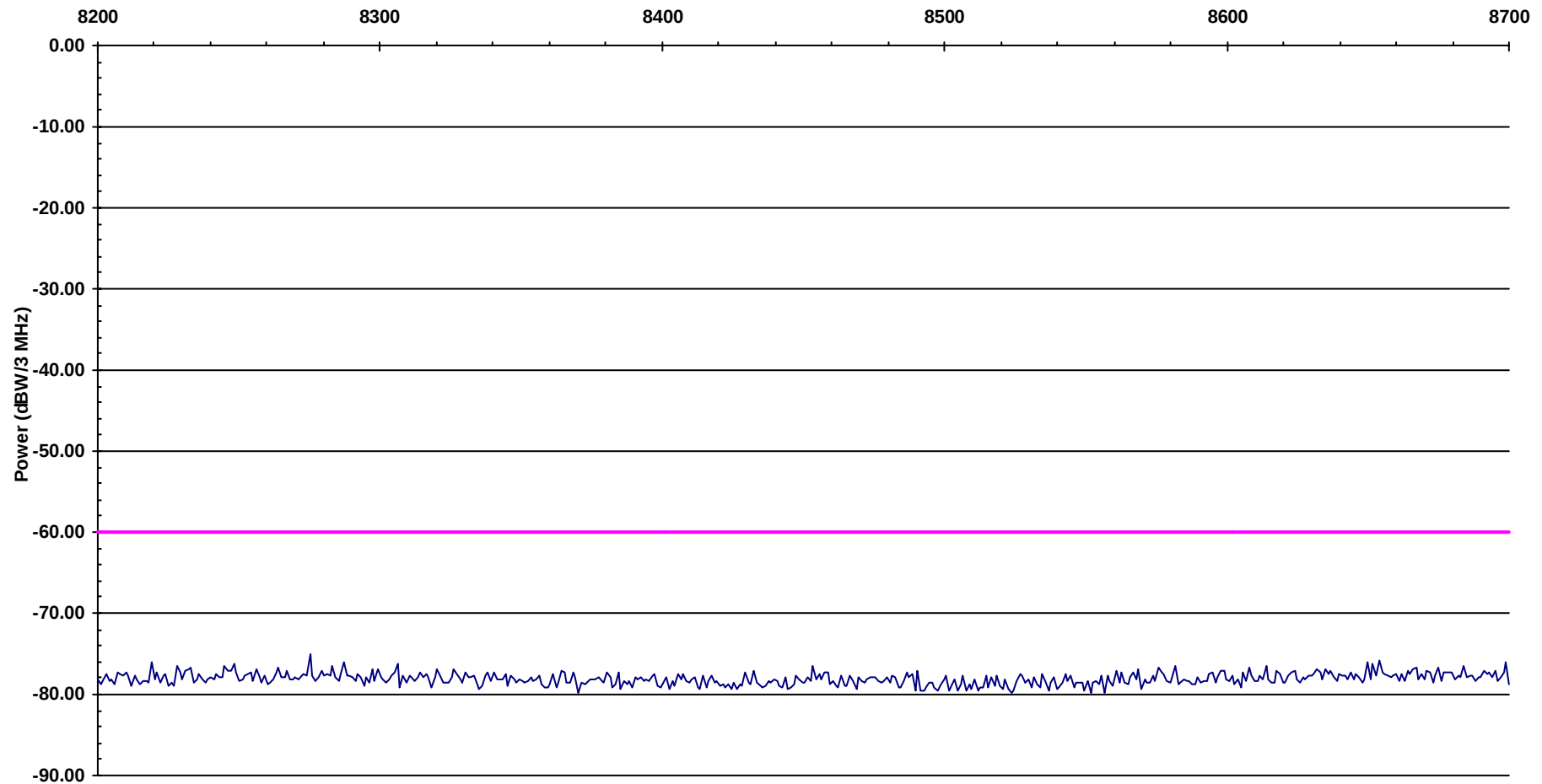


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 8200.00MHz to 8700.00MHz

142



**Max:** -75.03 dBW @8275.1503 MHz

**Min:** -79.76 dBW @8551.7034 MHz

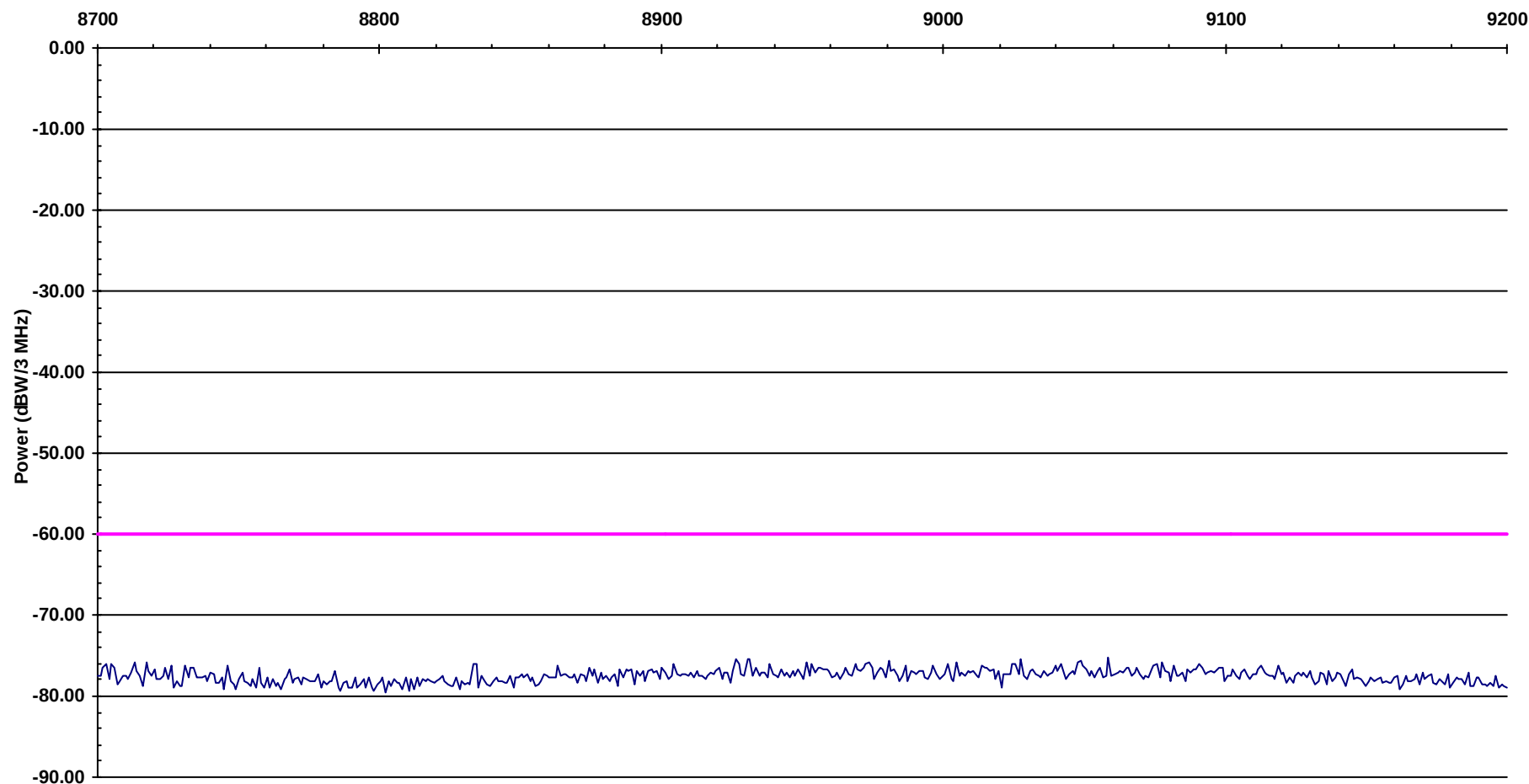
**Ave:** -78.0846 dB

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 8700.00MHz to 9200.00MHz

143



**Max:** -75.23 dBW @9058.7174 MHz

**Min:** -79.64 dBW @8802.2044 MHz

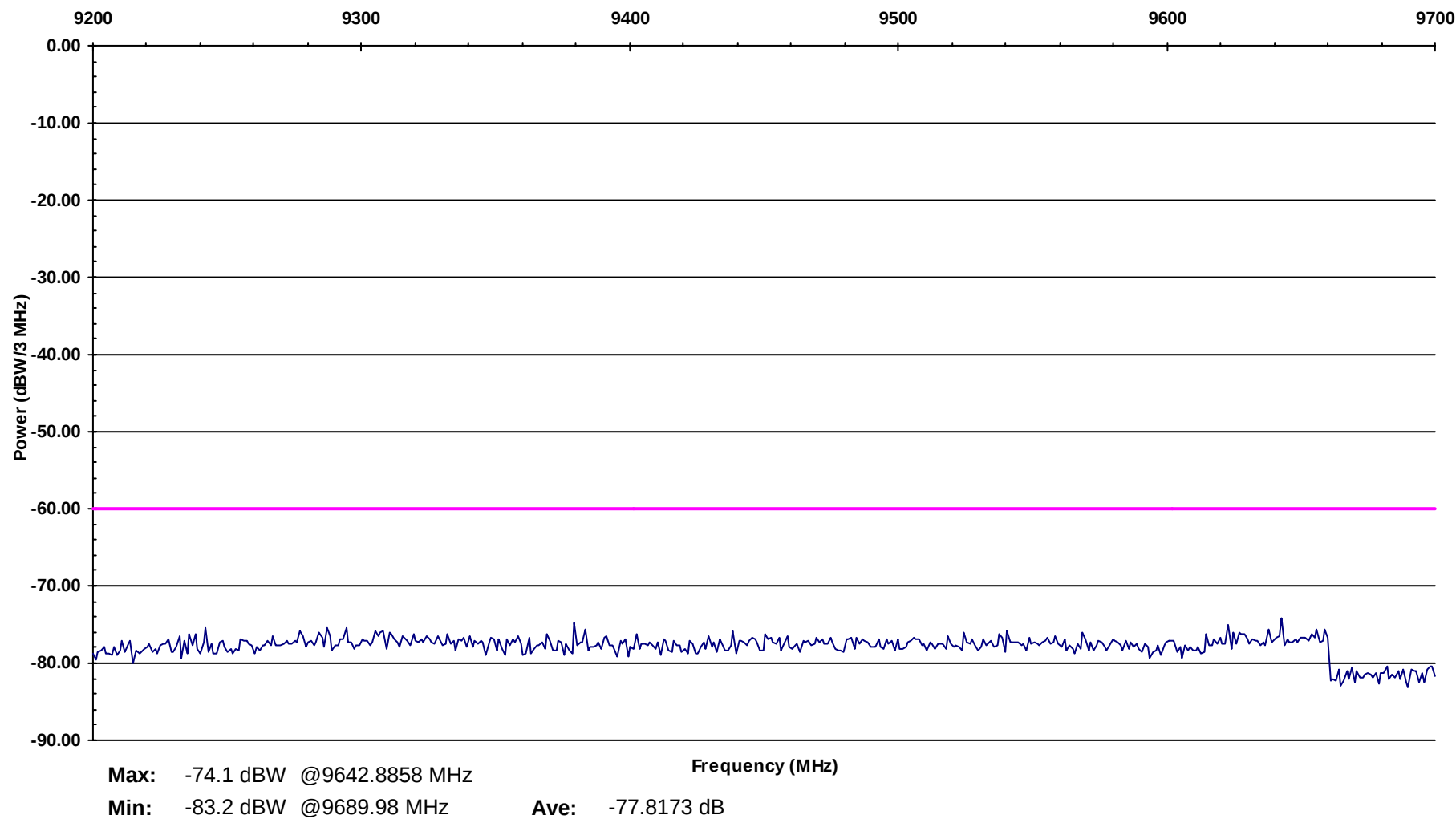
**Ave:** -77.5152 dB

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 9200.00MHz to 9700.00MHz

144

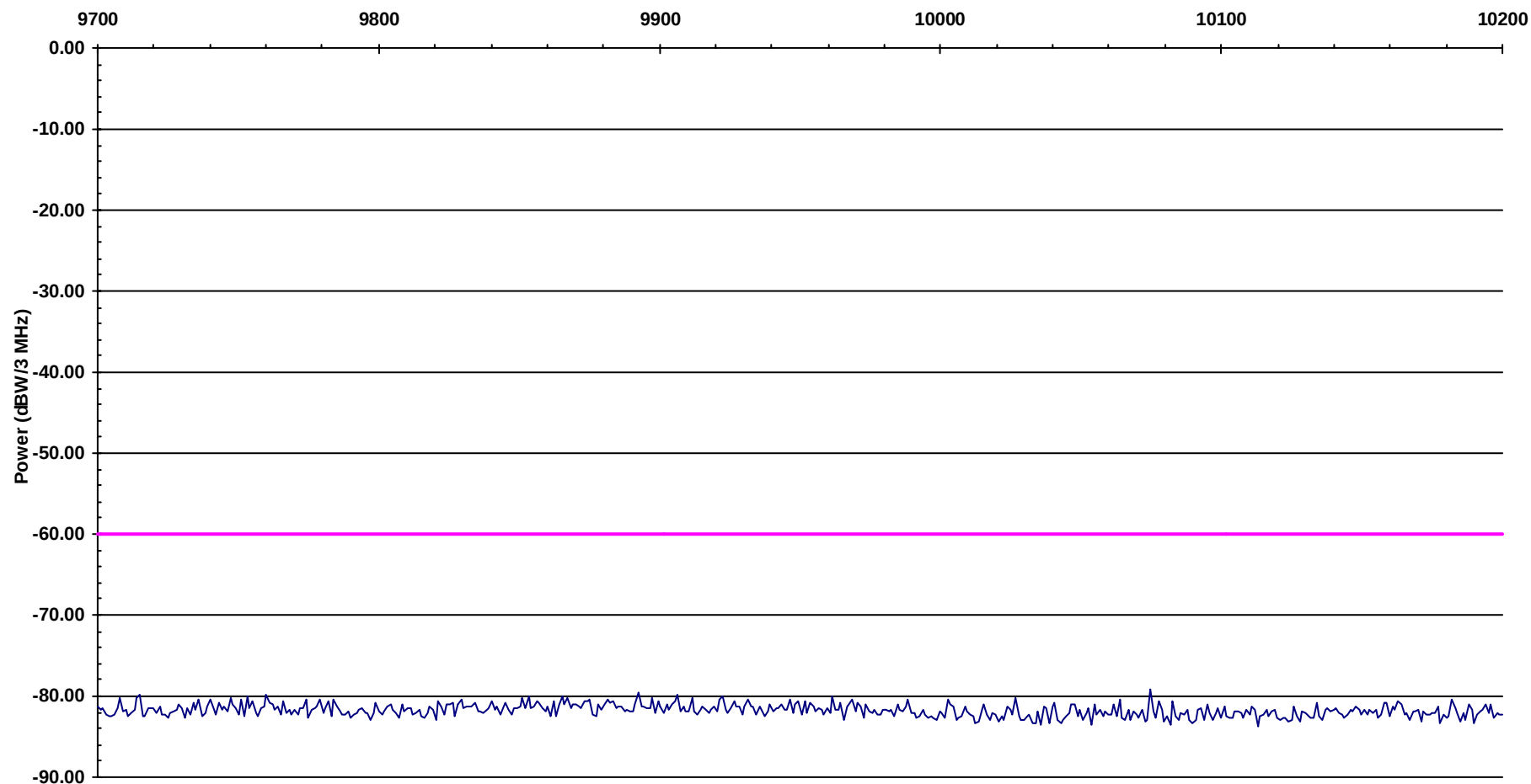


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 9700.00MHz to 10200.00MHz

145



**Max:** -79.19 dBW @10074.7495 MHz

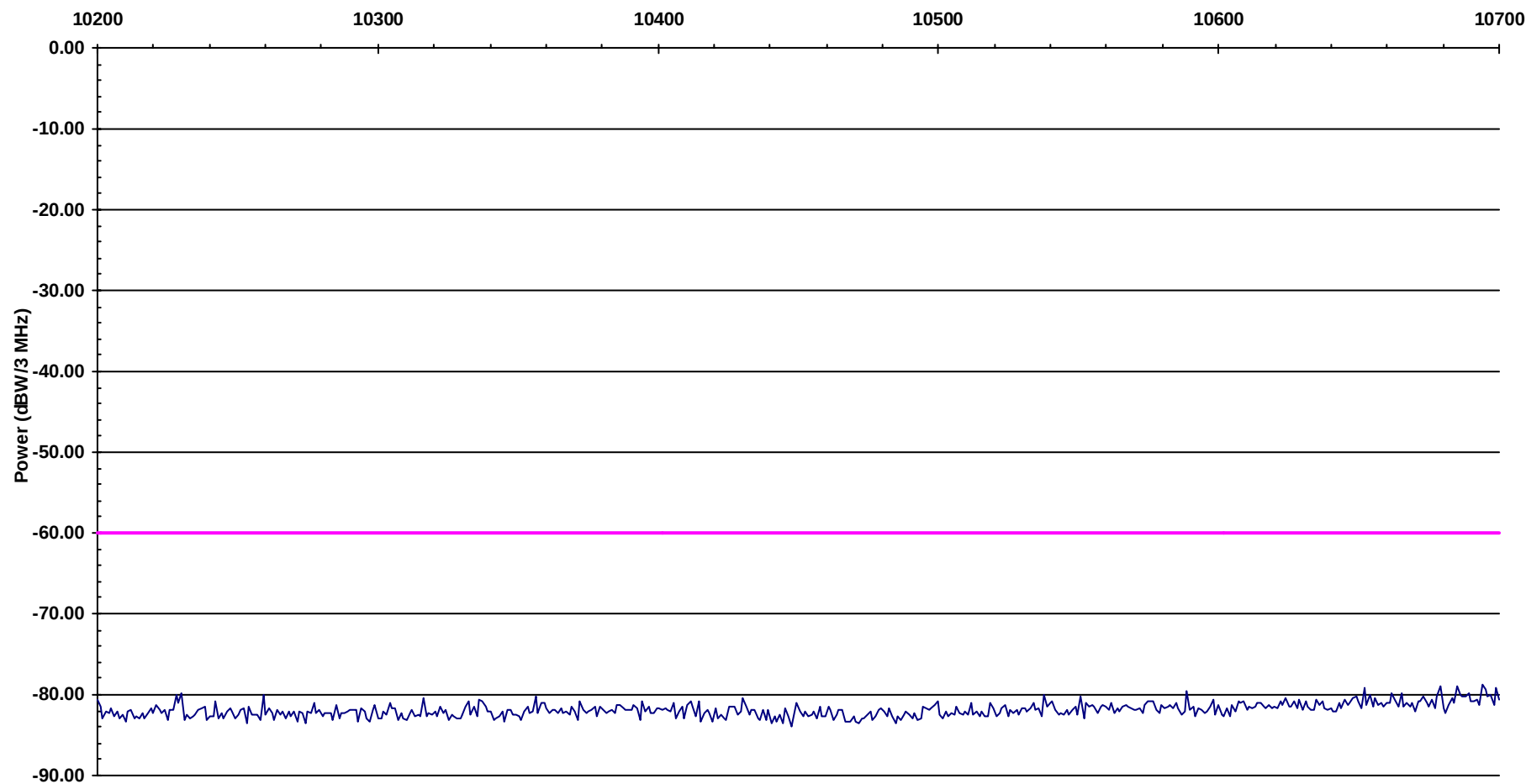
**Min:** -83.78 dBW @10112.8257 MHz    **Ave:** -81.7663 dB

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 10200.00MHz to 10700.00MHz

146



**Max:** -78.77 dBW @10693.988 MHz

**Min:** -84.0 dBW @10447.495 MHz

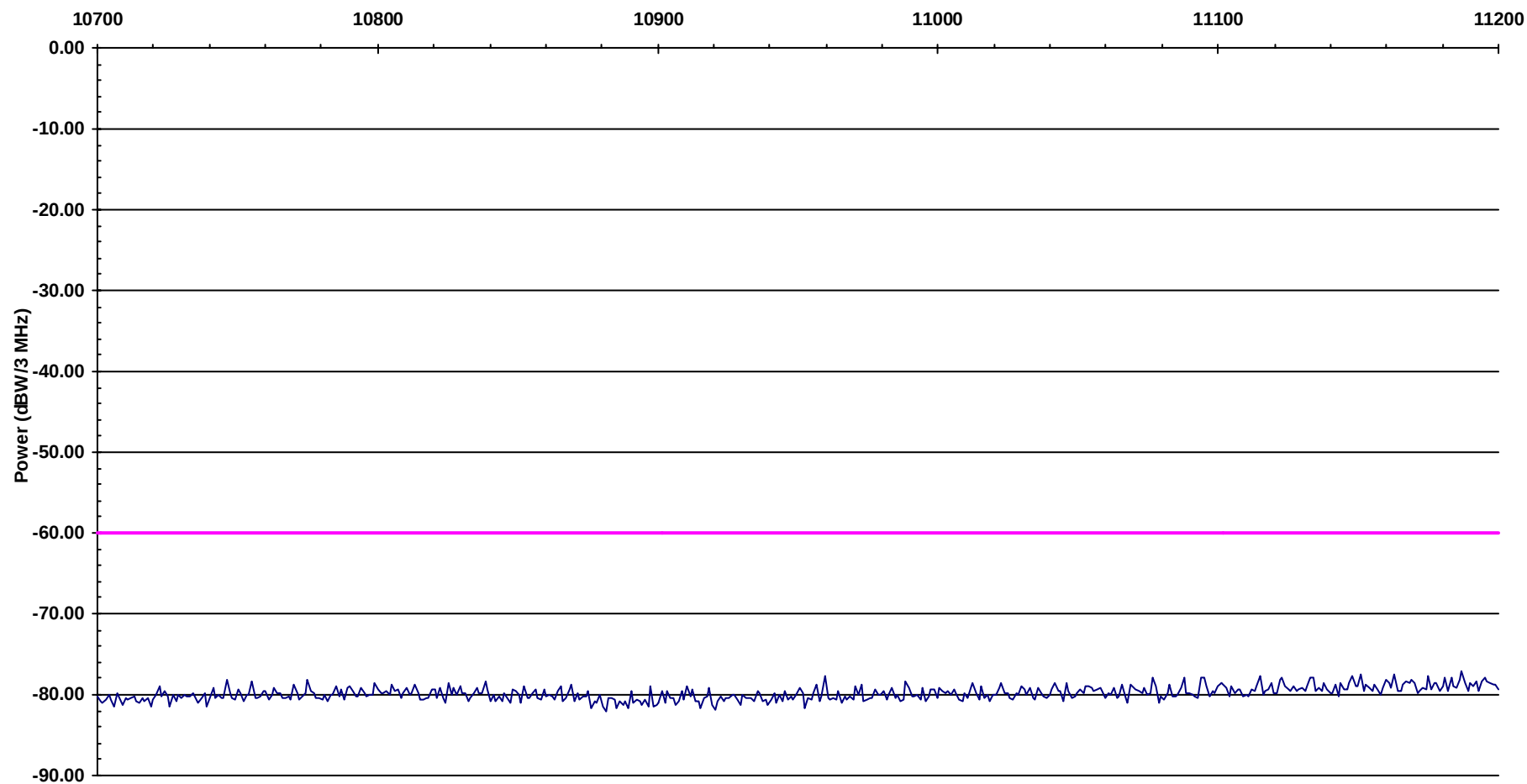
**Ave:** -81.8867 dB

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 10700.00MHz to 11200.00MHz

147



**Max:** -77.02 dBW @11186.9739 MHz

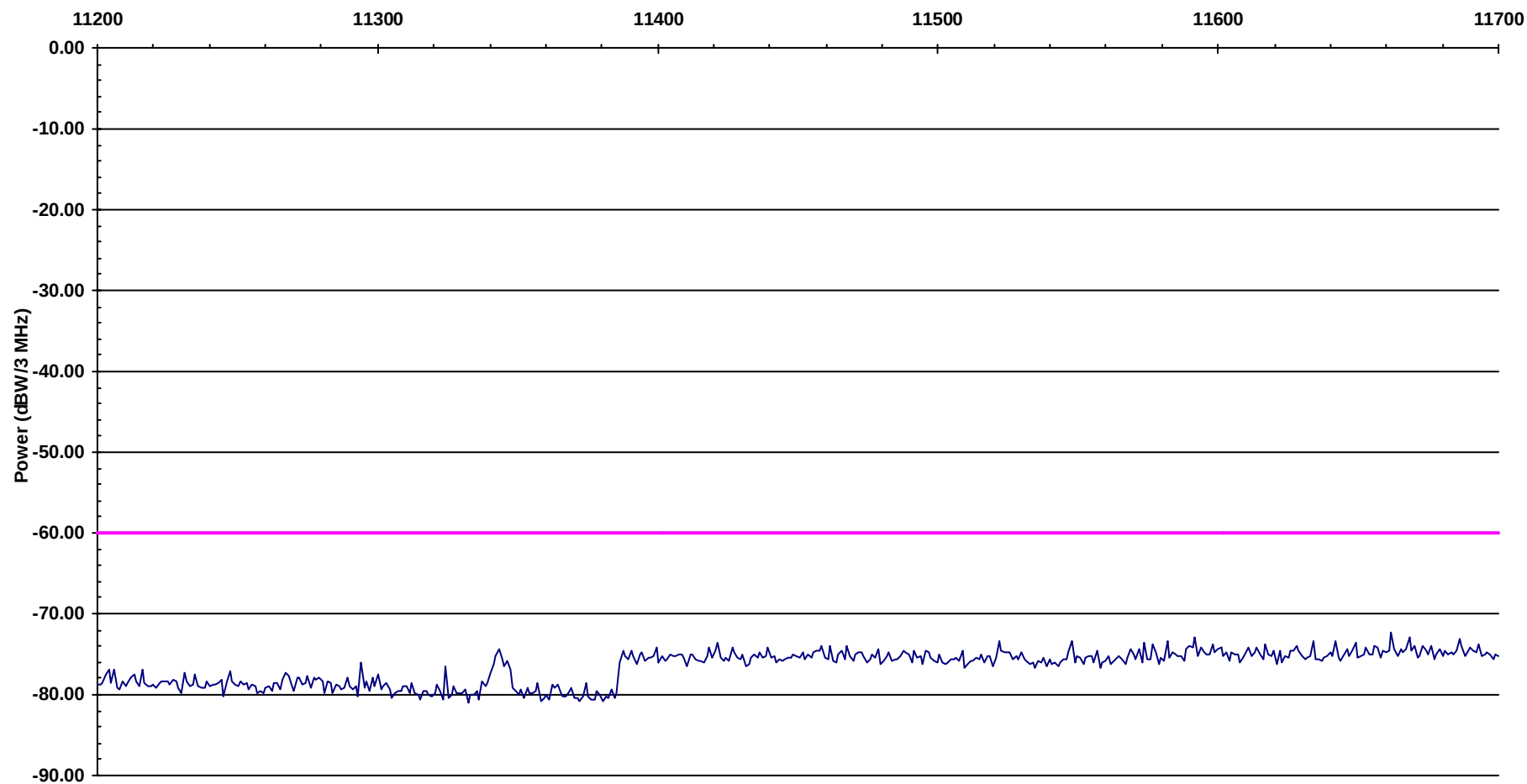
**Min:** -82.05 dBW @10881.3627 MHz **Ave:** -79.826 dBW

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 11200.00MHz to 11700.00MHz

148



**Max:** -72.26 dBW @11661.9238 MHz

Frequency (MHz)

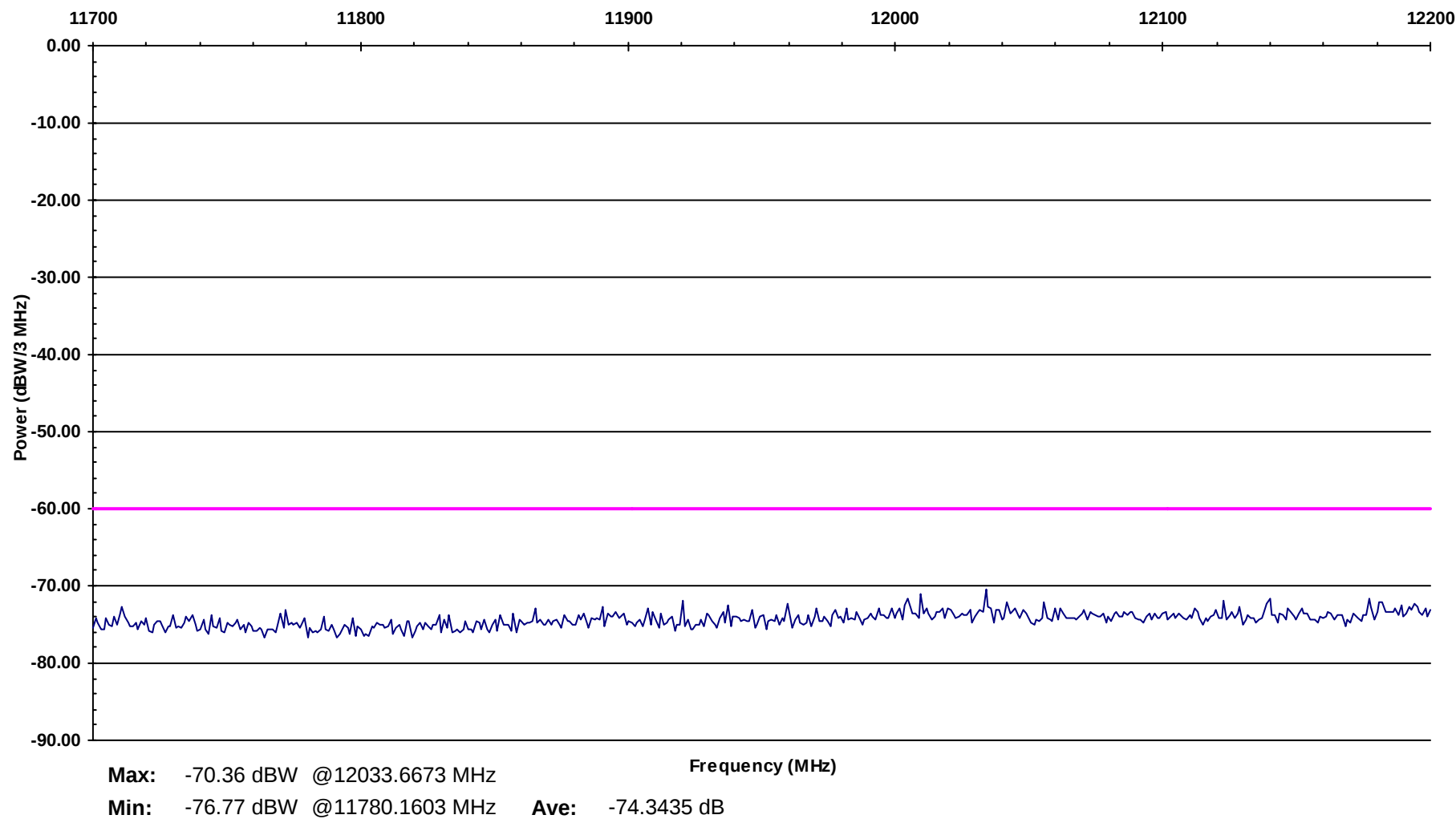
**Min:** -80.98 dBW @11332.2645 MHz    **Ave:** -76.5551 dB

*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 11700.00MHz to 12200.00MHz

149

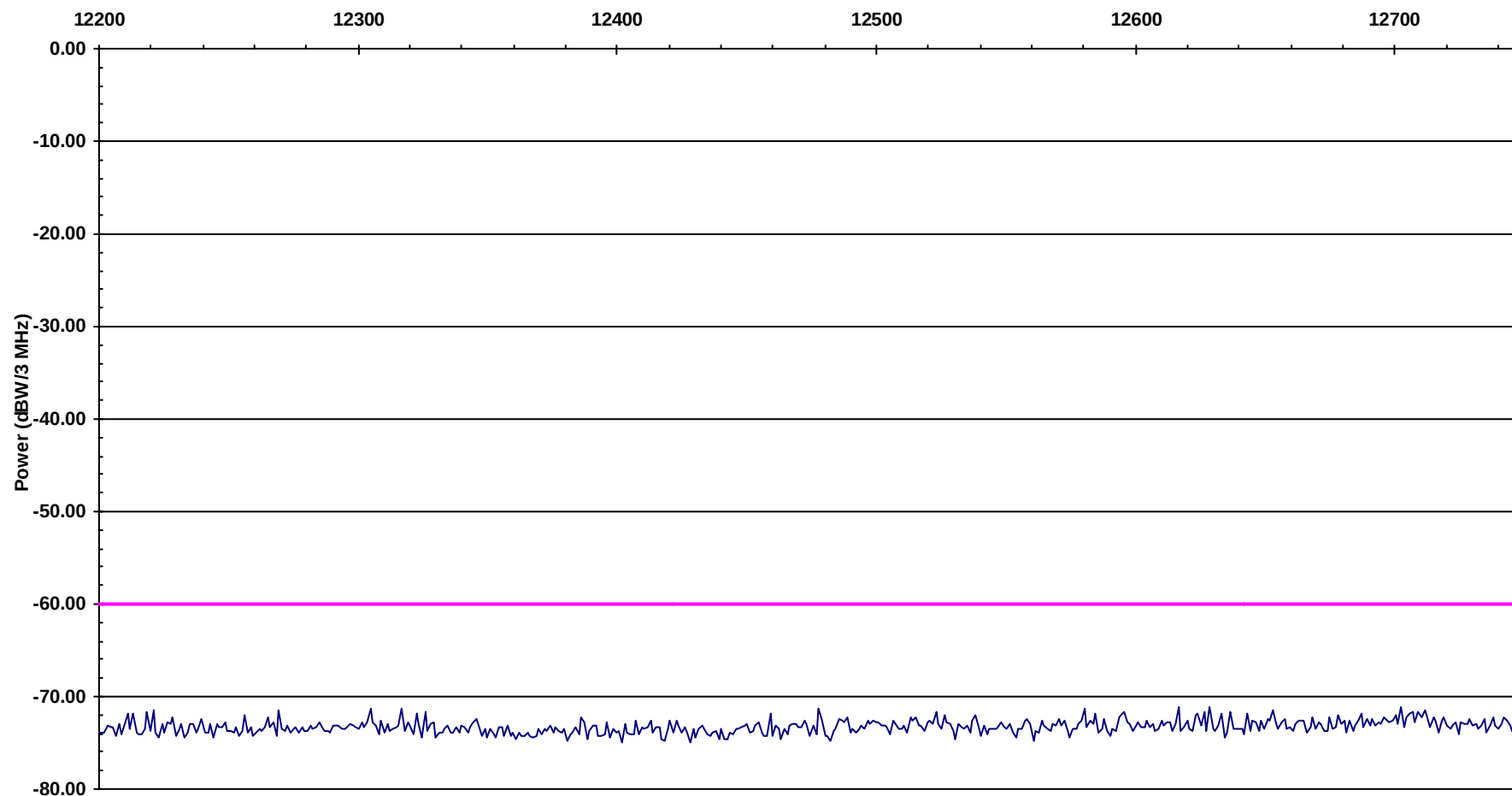


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: ETSI Out-of-band Noise & Spurious: 12200.00MHz to 12750.00MHz

150



**Max:** -71.11 dBW @12702.6052 MHz

**Min:** -75.05 dBW @12401.7034 MHz **Ave:** -73.2622 dB

# Compliance Lab Data Plot Index



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| Channel# 4 @25.00°C, 8.40V: In-band Noise & Spurious: 1611.95 to 1612.11 MHz (Offset: 0.00 to 0.16 M  | 1                 |
| Channel# 4 @25.00°C, 8.40V: In-band Noise & Spurious: 1612.11 to 1614.25 MHz (Offset: 0.16 to 2.30 M  | 2                 |
| Channel# 4 @25.00°C, 8.40V: In-band Noise & Spurious: 1614.25 to 1630.45 MHz (Offset: 2.30 to 18.50   | 3                 |
| Channel# 250 @25.00°C, 8.40V: In-band Noise & Spurious: 1598.38 to 1614.58 MHz (Offset: -18.50 to -2. | 50                |
| Channel# 250 @25.00°C, 8.40V: In-band Noise & Spurious: 1614.58 to 1616.72 MHz (Offset: -2.30 to -0.1 | 51                |
| Channel# 250 @25.00°C, 8.40V: In-band Noise & Spurious: 1616.72 to 1616.88 MHz (Offset: -0.16 to 0.00 | 52                |
| Channel# 250 @25.00°C, 8.40V: In-band Noise & Spurious: 1619.33 to 1619.49 MHz (Offset: 0.00 to 0.16  | 53                |
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| Channel# 250 @25.00°C, 8.40V: In-band Noise & Spurious: 1621.63 to 1637.83 MHz (Offset: 2.30 to 18.5  | 55                |
| Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1602.84 to 1617.54 MHz (Offset: -16.50 to -1. | 101               |
| Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1617.54 to 1617.98 MHz (Offset: -1.80 to -1.3 | 102               |
| Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1617.98 to 1618.69 MHz (Offset: -1.37 to -0.6 | 103               |
| Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1618.69 to 1619.12 MHz (Offset: -0.65 to -0.2 | 104               |
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| Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1619.18 to 1619.34 MHz (Offset: -0.16 to 0.00 | 106               |
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| Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1621.57 to 1622.00 MHz (Offset: 0.23 to 0.65  | 109               |
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| Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1622.71 to 1623.15 MHz (Offset: 1.37 to 1.80  | 111               |
| Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1623.15 to 1637.85 MHz (Offset: 1.80 to 16.5  | 112               |

# Globalstar Compliance Lab Data Plots

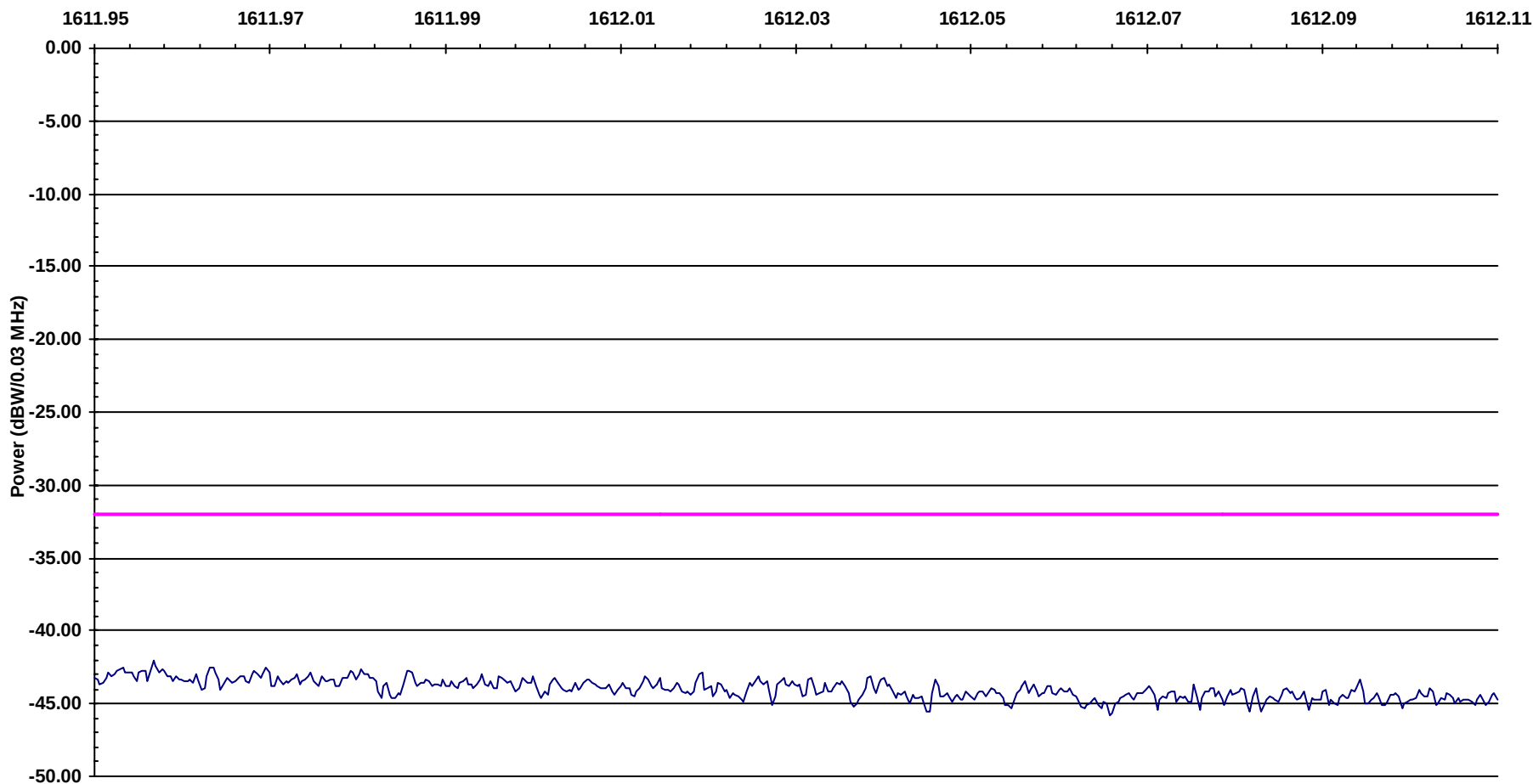


PlotTitle

Plot Number

Channel# 4 @25.00°C, 8.40V: In-band Noise & Spurious: 1611.95 to 1612.11 MHz (Offset: 0.00 to 0.16 Mhz)

1



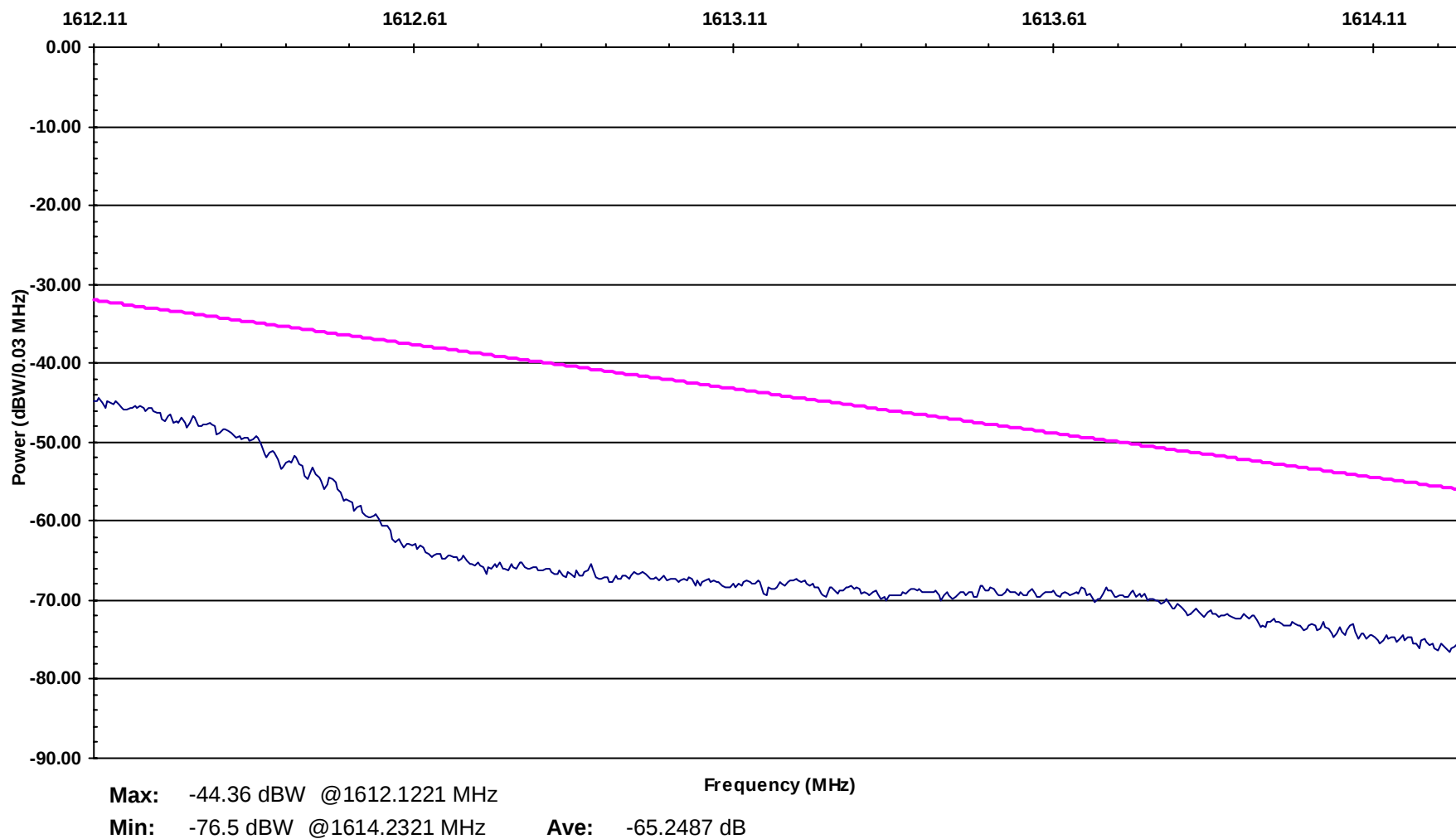
Max: -42.11 dBW @1611.9602 MHz

Min: -45.74 dBW @1612.0693 MHz

Ave: -44.0081 dB

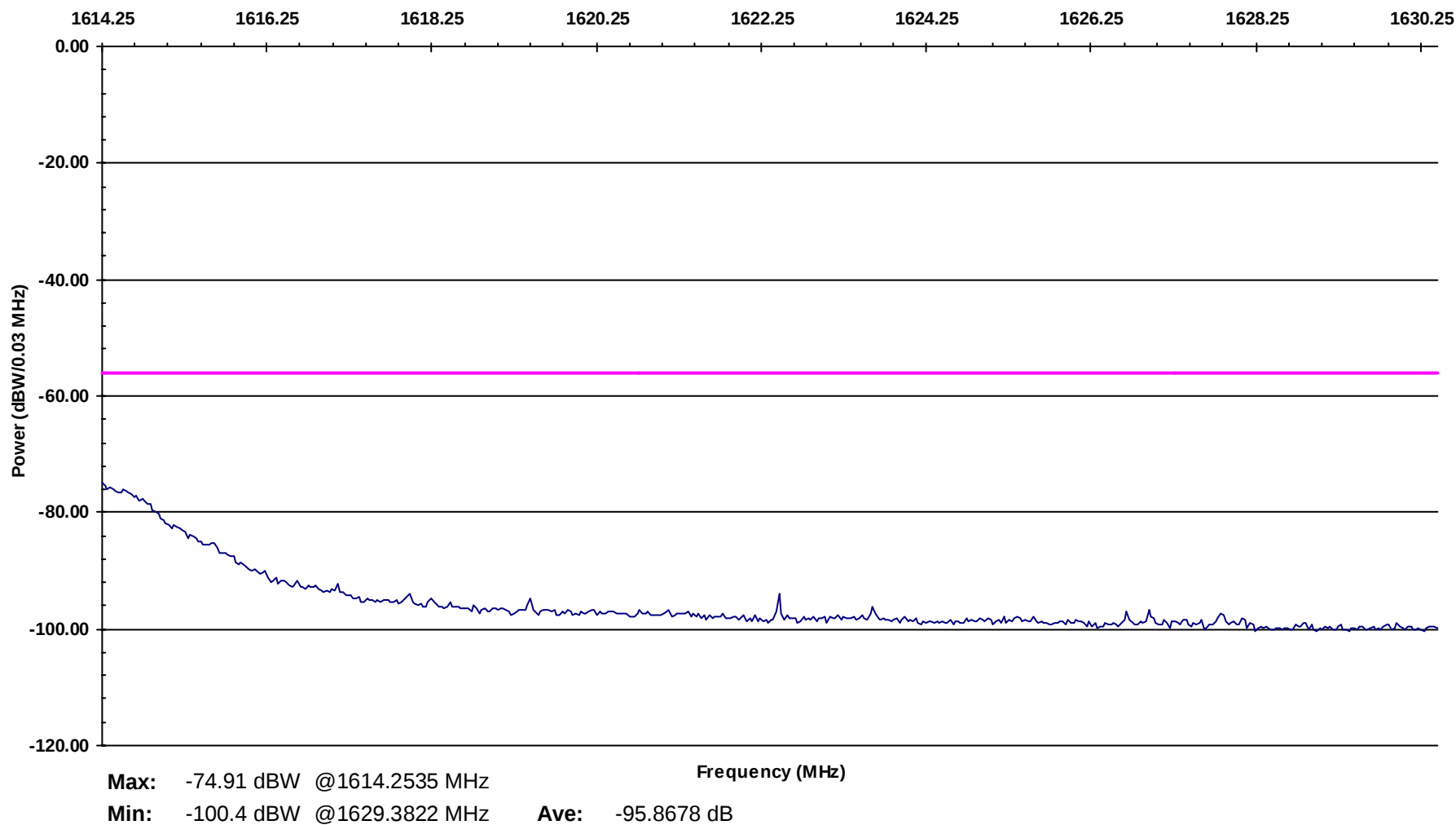
Channel# 4 @25.00°C, 8.40V: In-band Noise &amp; Spurious: 1612.11 to 1614.25 MHz (Offset: 0.16 to 2.30 Mhz)

2



Channel# 4 @25.00°C, 8.40V: In-band Noise &amp; Spurious: 1614.25 to 1630.45 MHz (Offset: 2.30 to 18.50 Mhz)

3

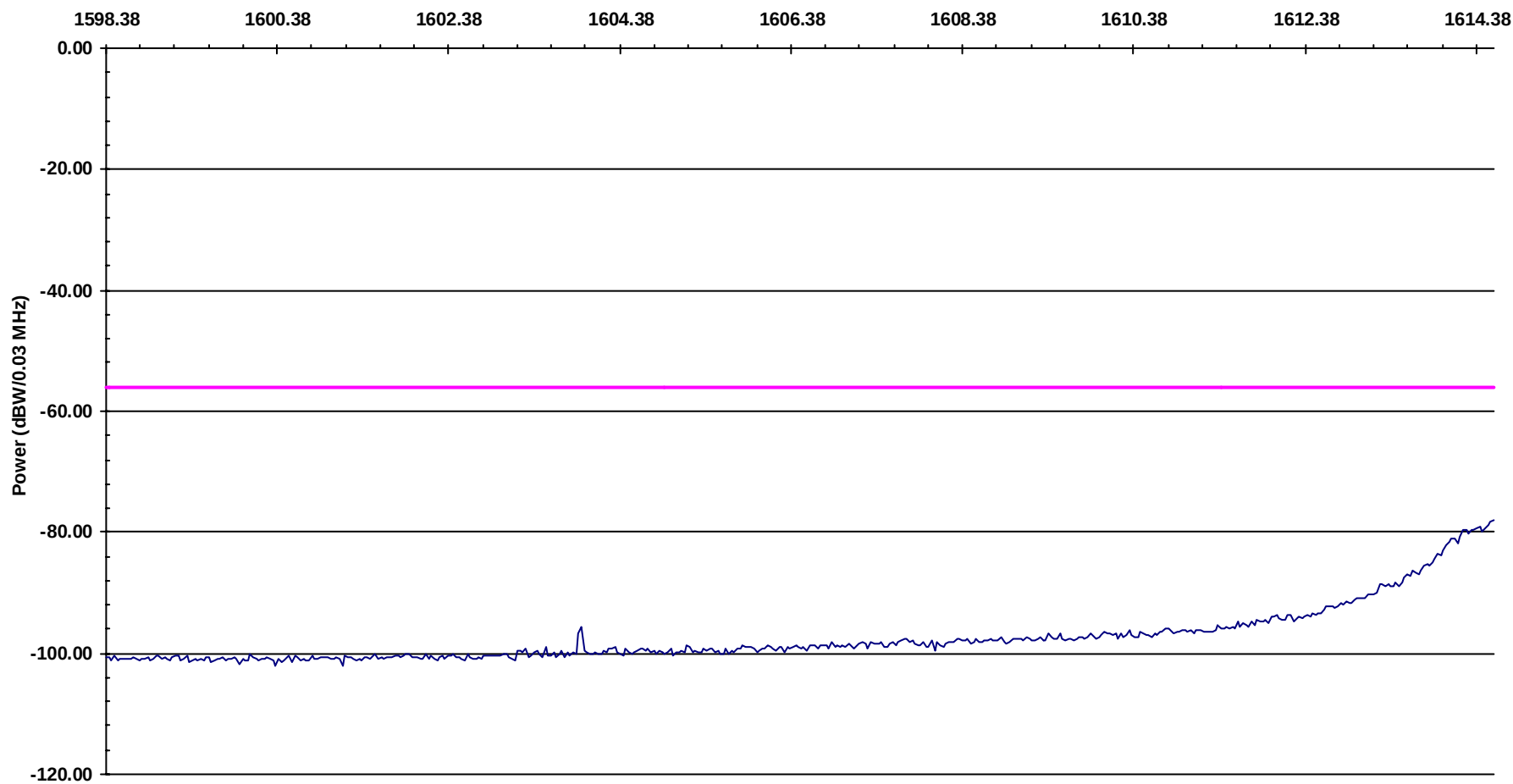


*PlotTitle*

*Plot Number*

Channel# 250 @25.00°C, 8.40V: In-band Noise & Spurious: 1598.38 to 1614.58 MHz (Offset: -18.50 to -2.30 Mhz)

50

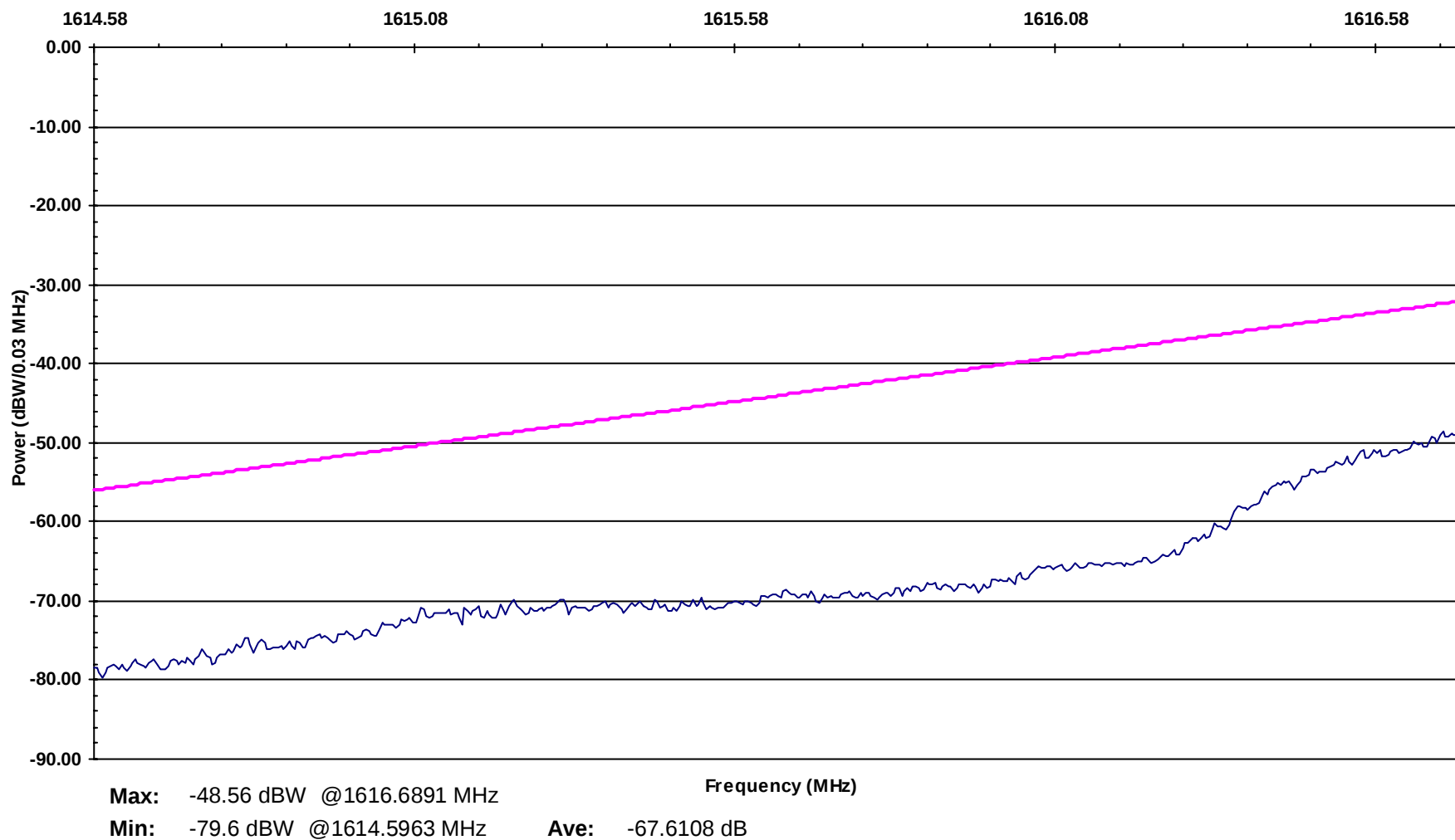


**Max:** -77.85 dBW @1614.5834 MHz

**Min:** -102.03 dBW @1600.3638 MHz    **Ave:** -97.3423 dB

Channel# 250 @25.00°C, 8.40V: In-band Noise &amp; Spurious: 1614.58 to 1616.72 MHz (Offset: -2.30 to -0.16 Mhz)

51

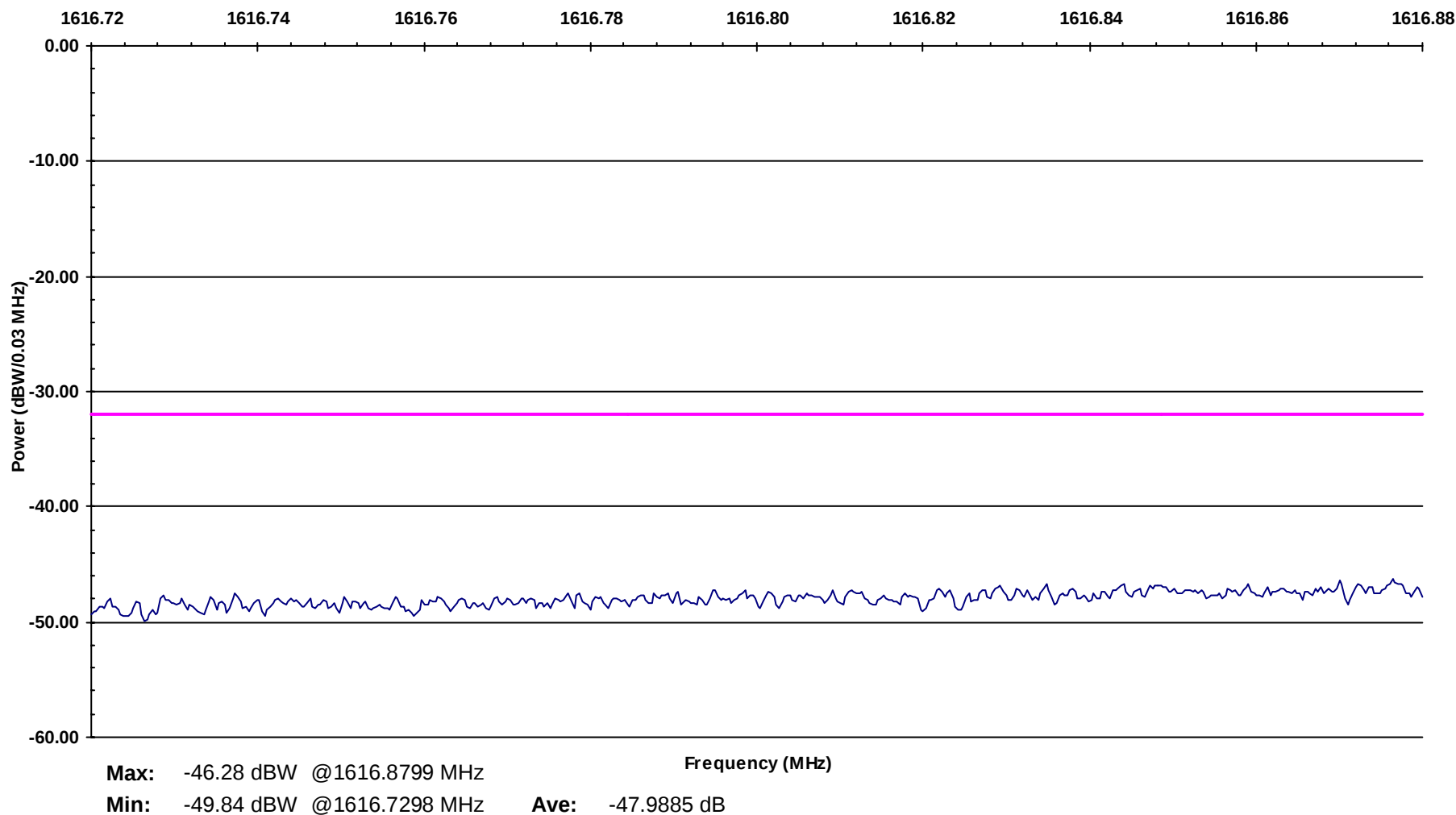


*PlotTitle*

*Plot Number*

Channel# 250 @25.00°C, 8.40V: In-band Noise & Spurious: 1616.72 to 1616.88 MHz (Offset: -0.16 to 0.00 Mhz)

52

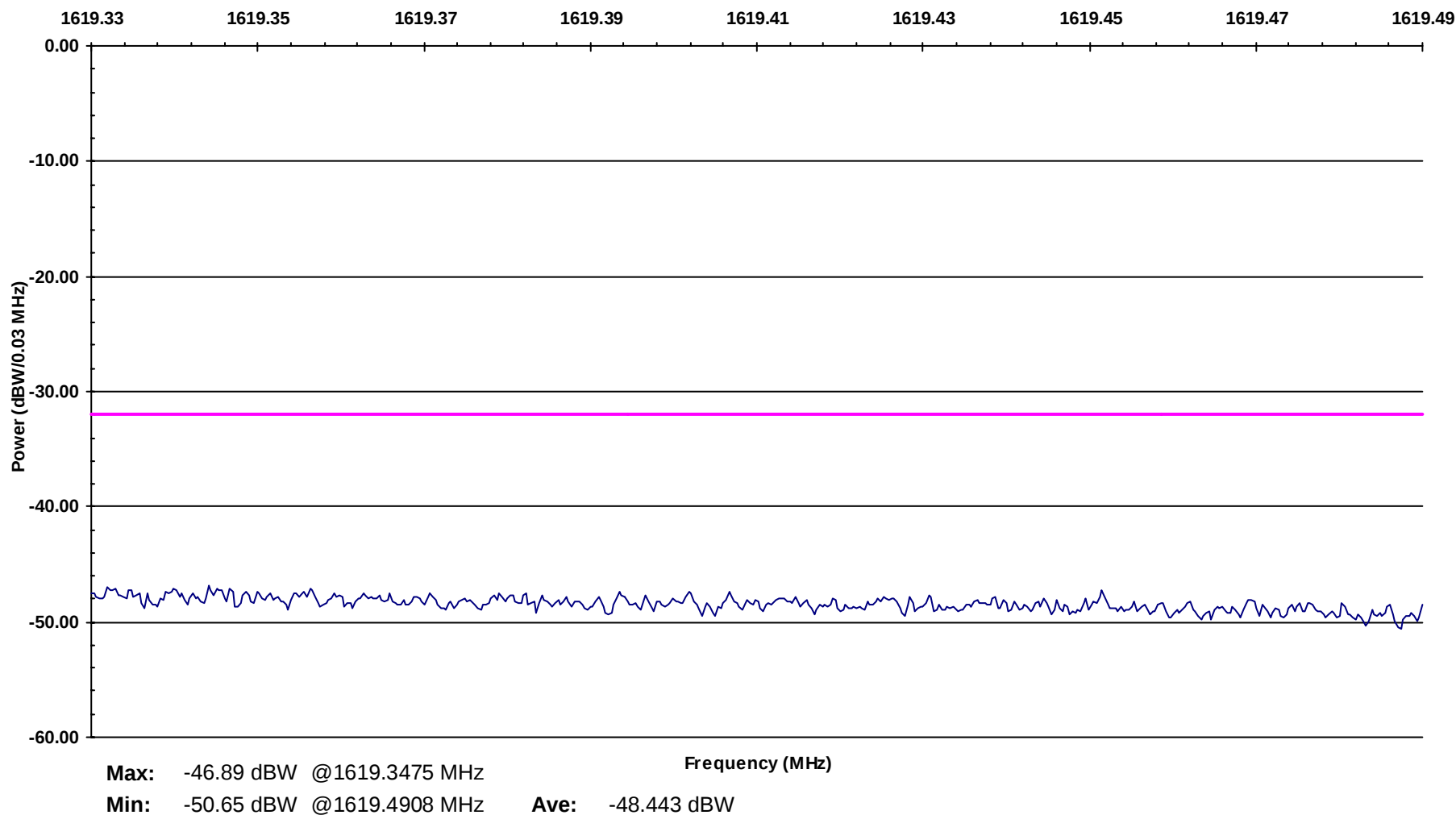


*PlotTitle*

*Plot Number*

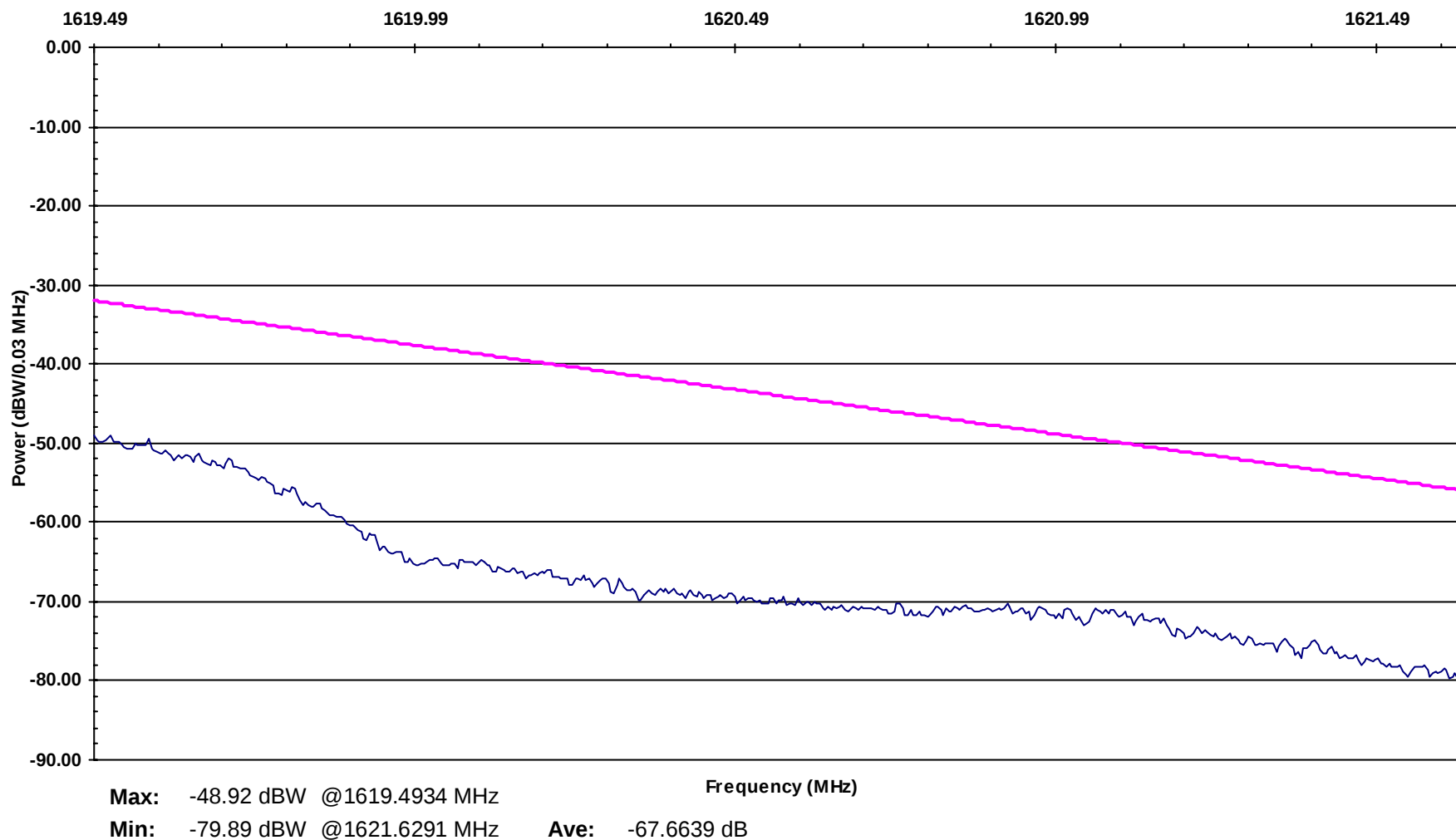
Channel# 250 @25.00°C, 8.40V: In-band Noise & Spurious: 1619.33 to 1619.49 MHz (Offset: 0.00 to 0.16 Mhz)

53



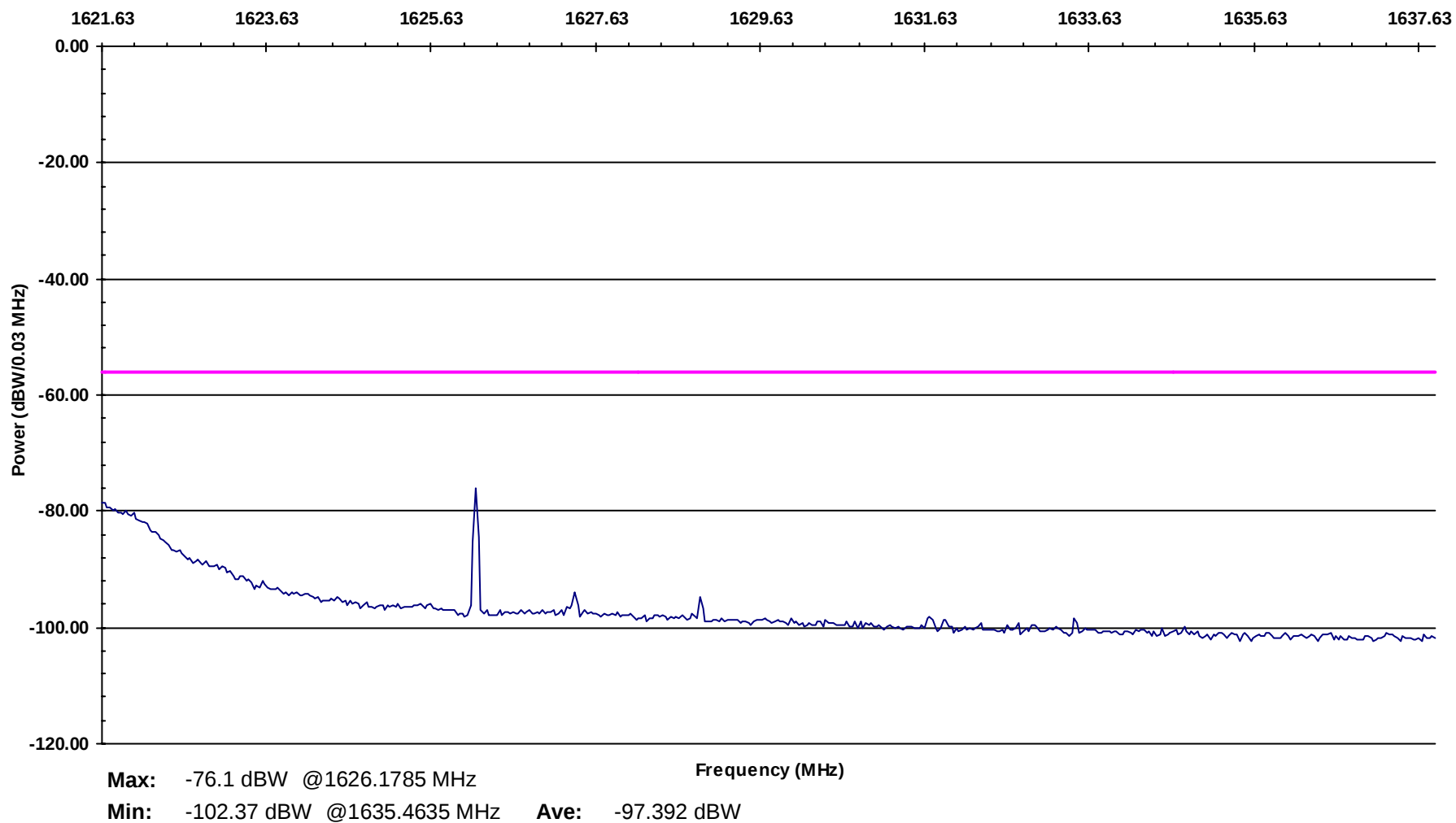
Channel# 250 @25.00°C, 8.40V: In-band Noise &amp; Spurious: 1619.49 to 1621.63 MHz (Offset: 0.16 to 2.30 Mhz)

54



Channel# 250 @25.00°C, 8.40V: In-band Noise &amp; Spurious: 1621.63 to 1637.83 MHz (Offset: 2.30 to 18.50 Mhz)

55

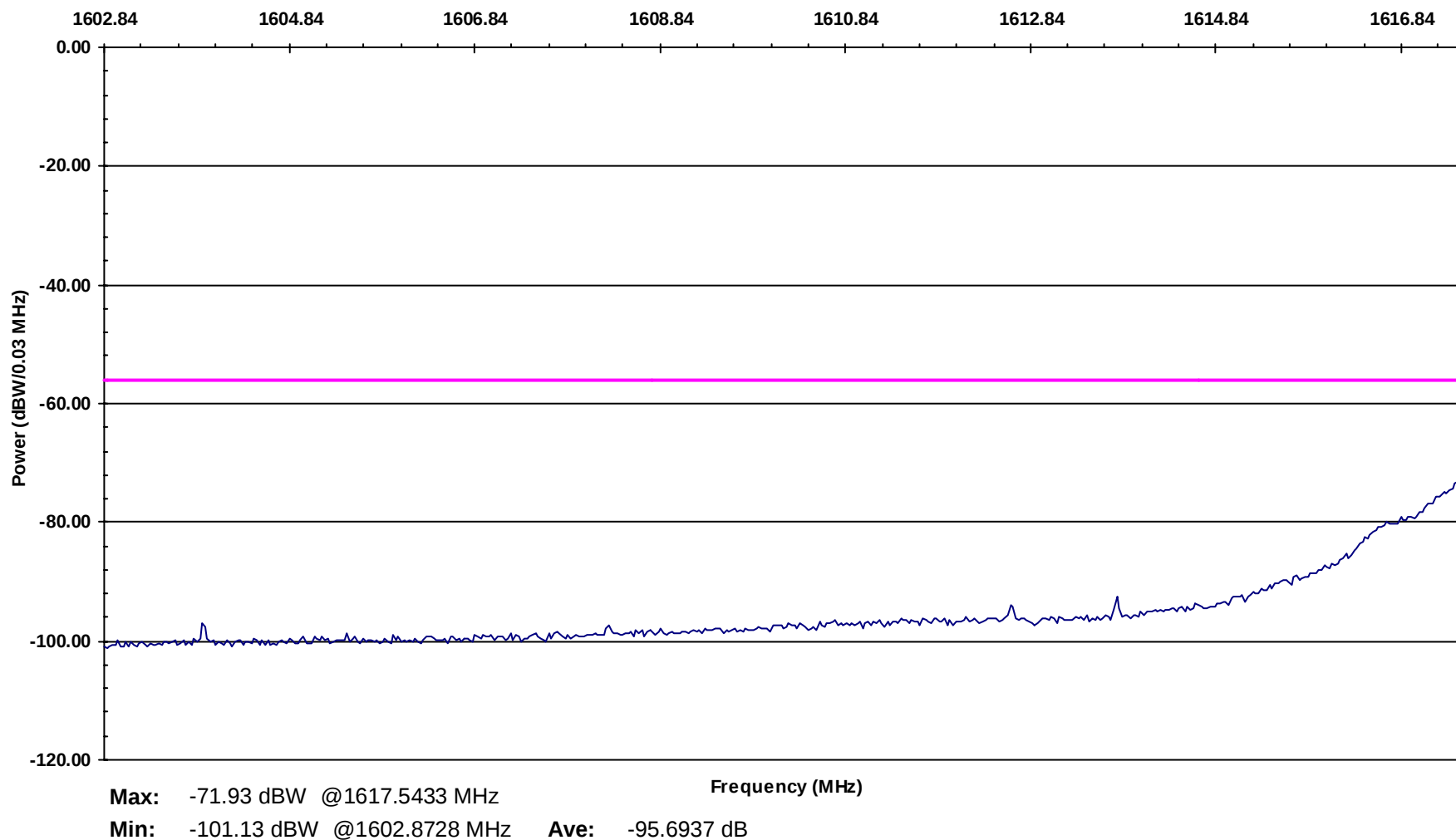


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1602.84 to 1617.54 MHz (Offset: -16.50 to -1.80 Mhz)

101

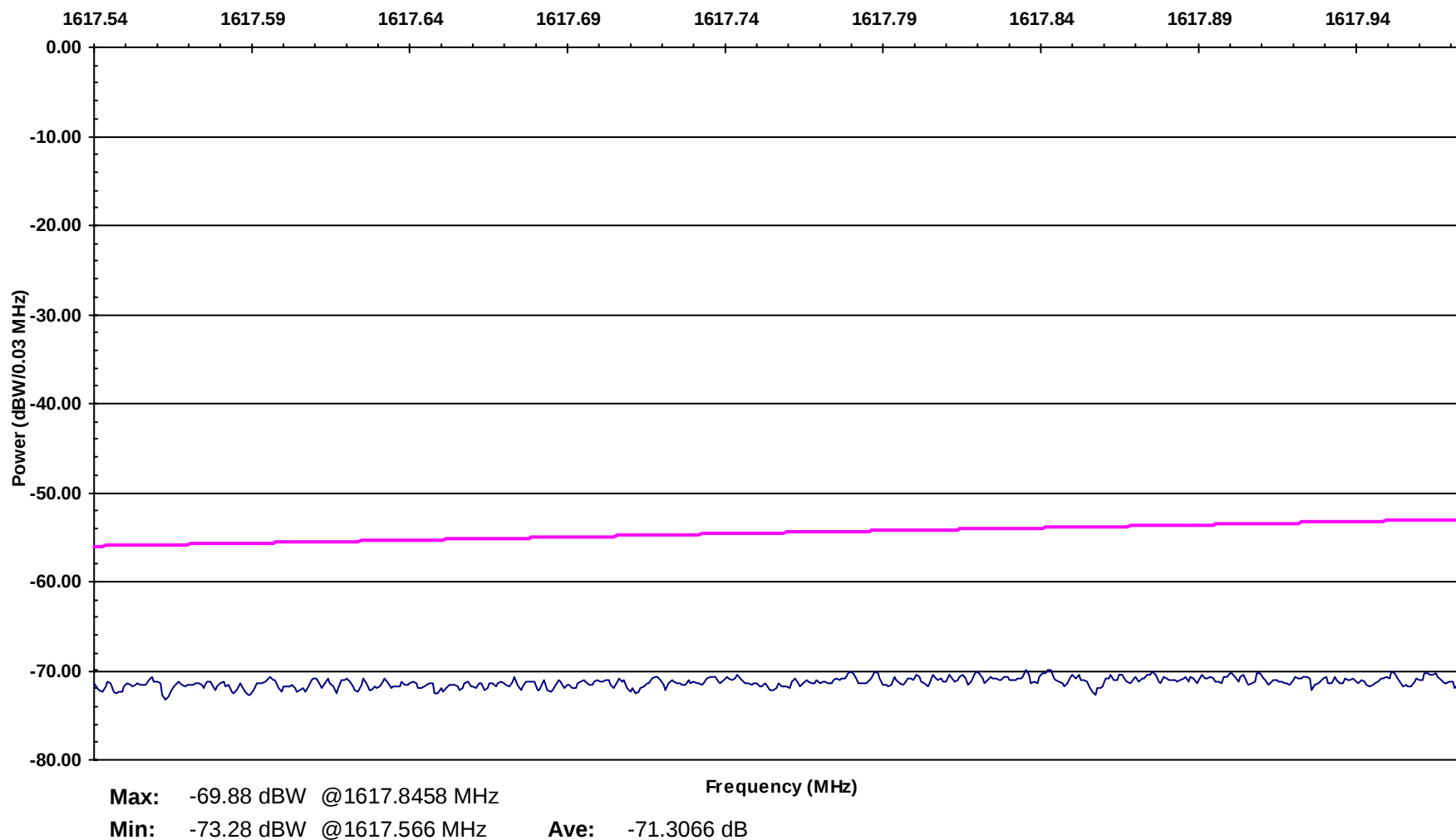


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1617.54 to 1617.98 MHz (Offset: -1.80 to -1.37 Mhz)

102

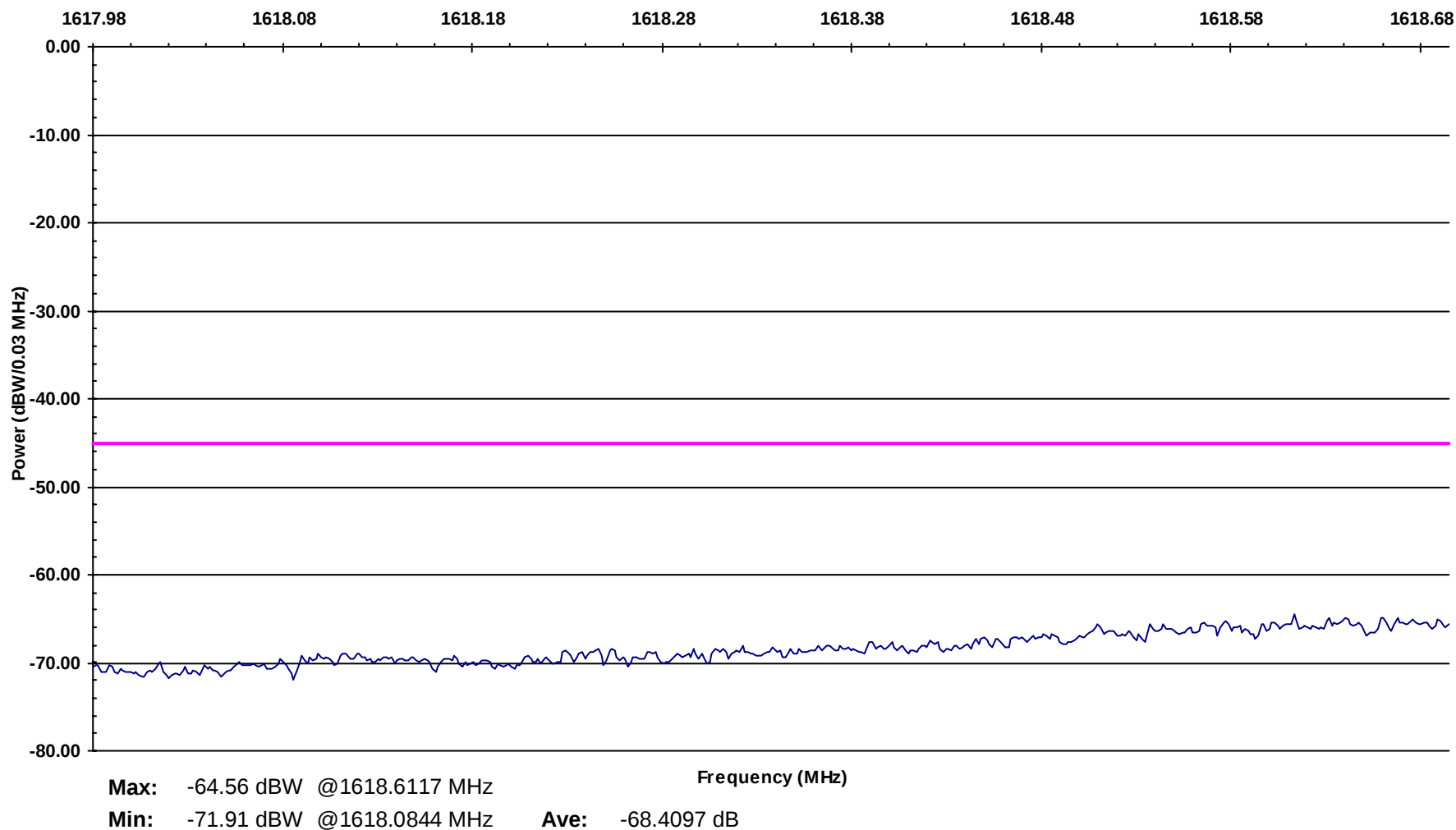


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1617.98 to 1618.69 MHz (Offset: -1.37 to -0.65 Mhz)

103

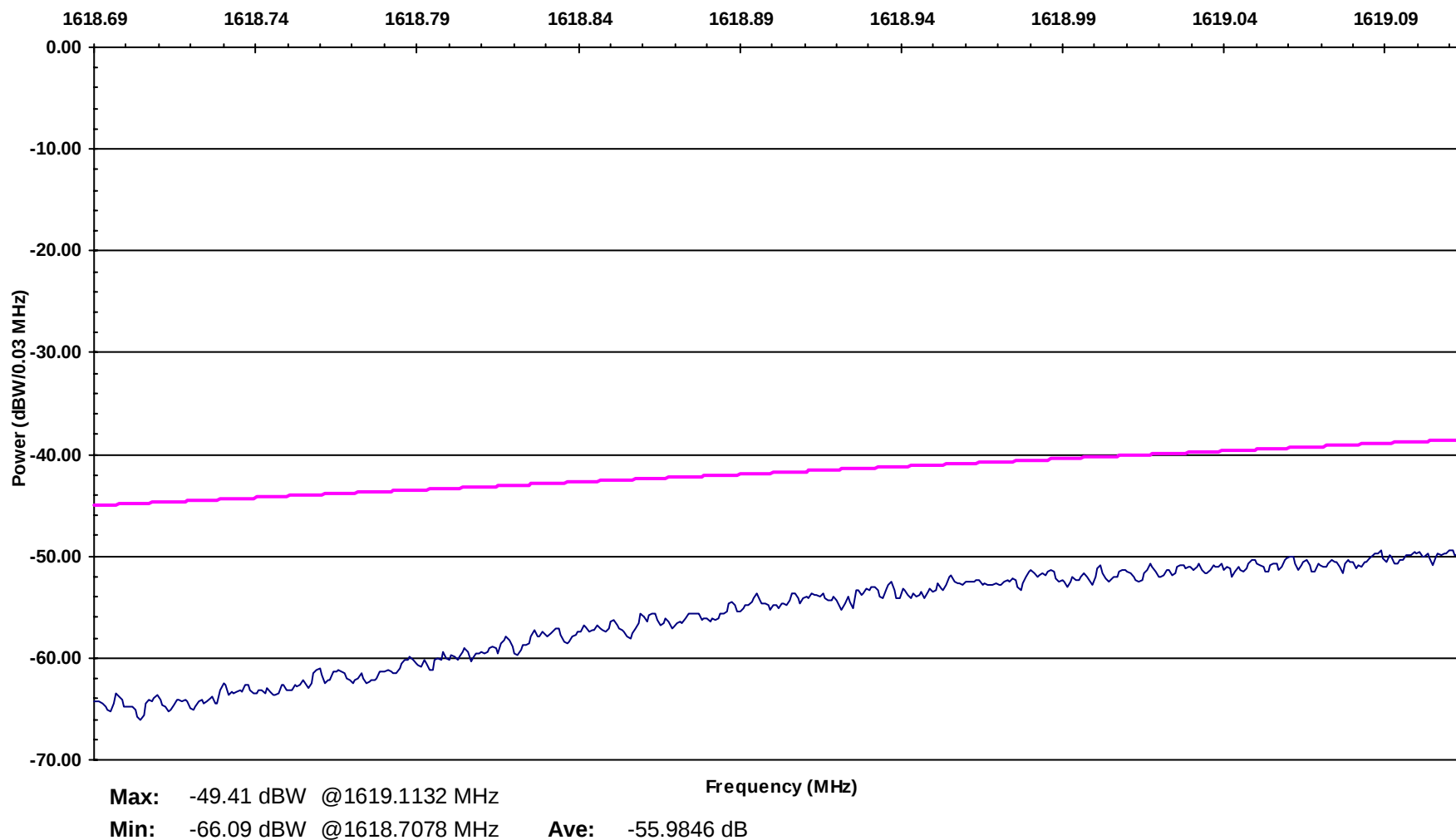


PlotTitle

Plot Number

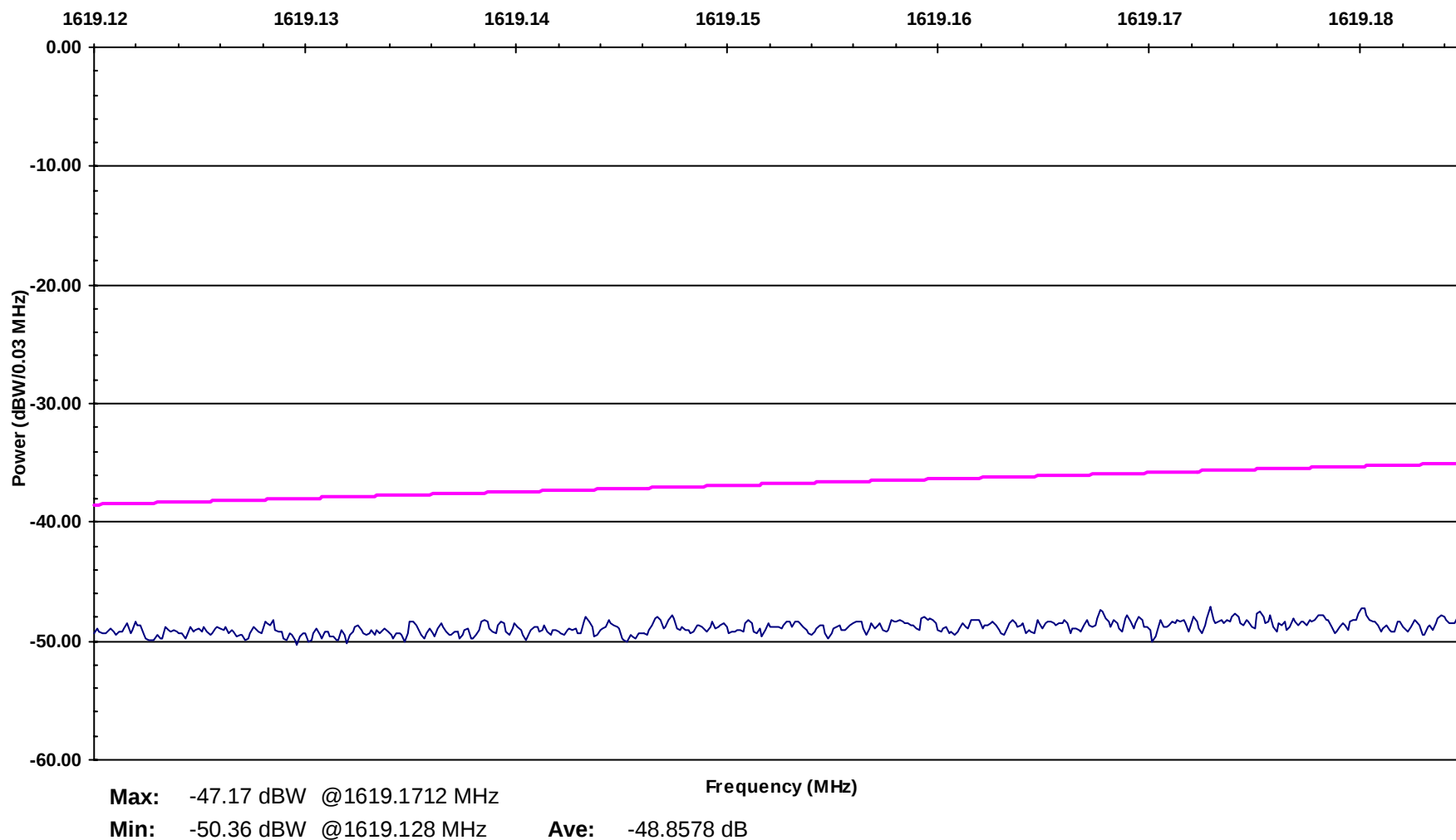
Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1618.69 to 1619.12 MHz (Offset: -0.65 to -0.23 Mhz)

104



Channel# 332 @25.00°C, 8.40V: In-band Noise &amp; Spurious: 1619.12 to 1619.18 MHz (Offset: -0.23 to -0.16 Mhz)

105

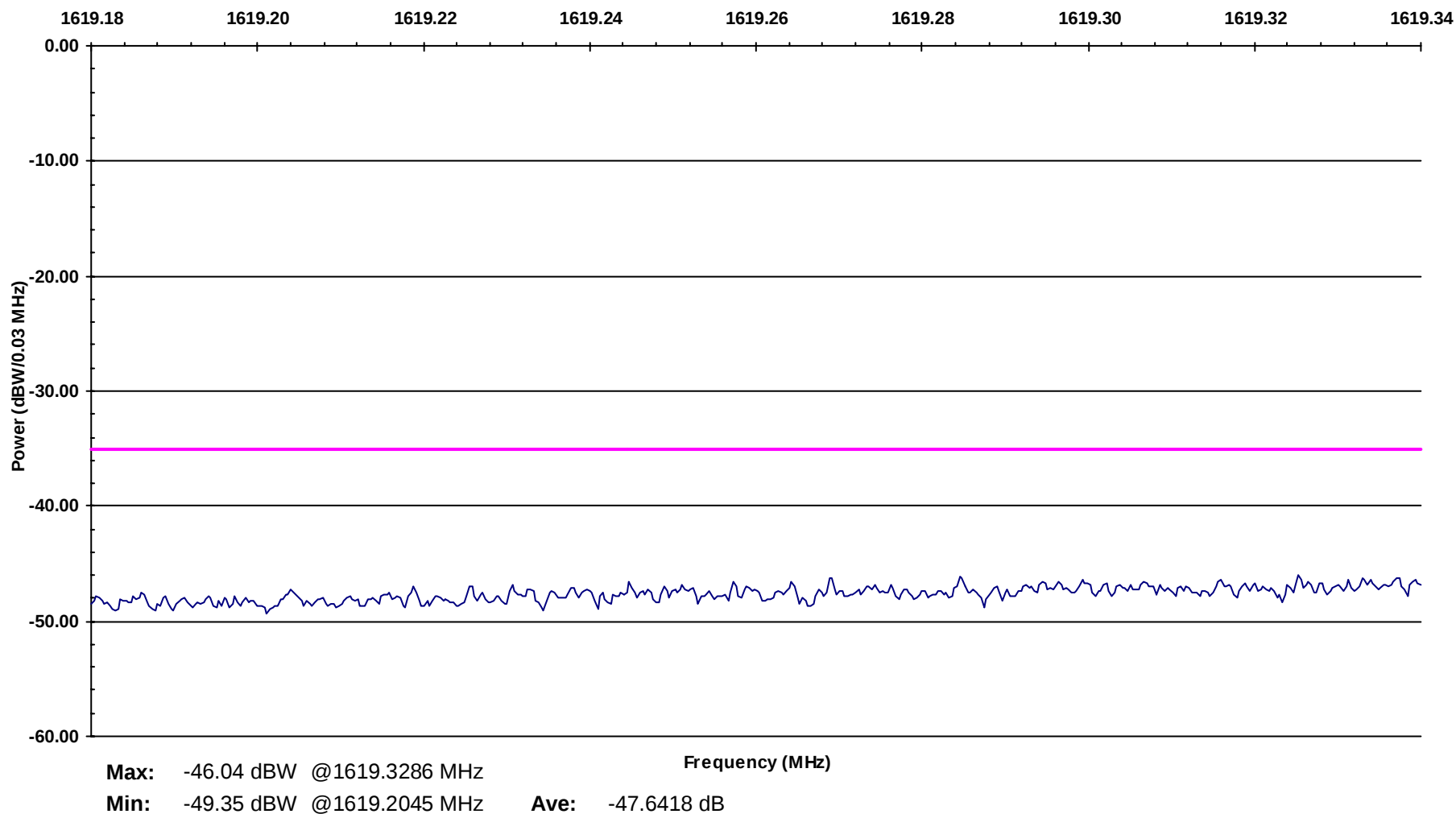


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1619.18 to 1619.34 MHz (Offset: -0.16 to 0.00 Mhz)

106

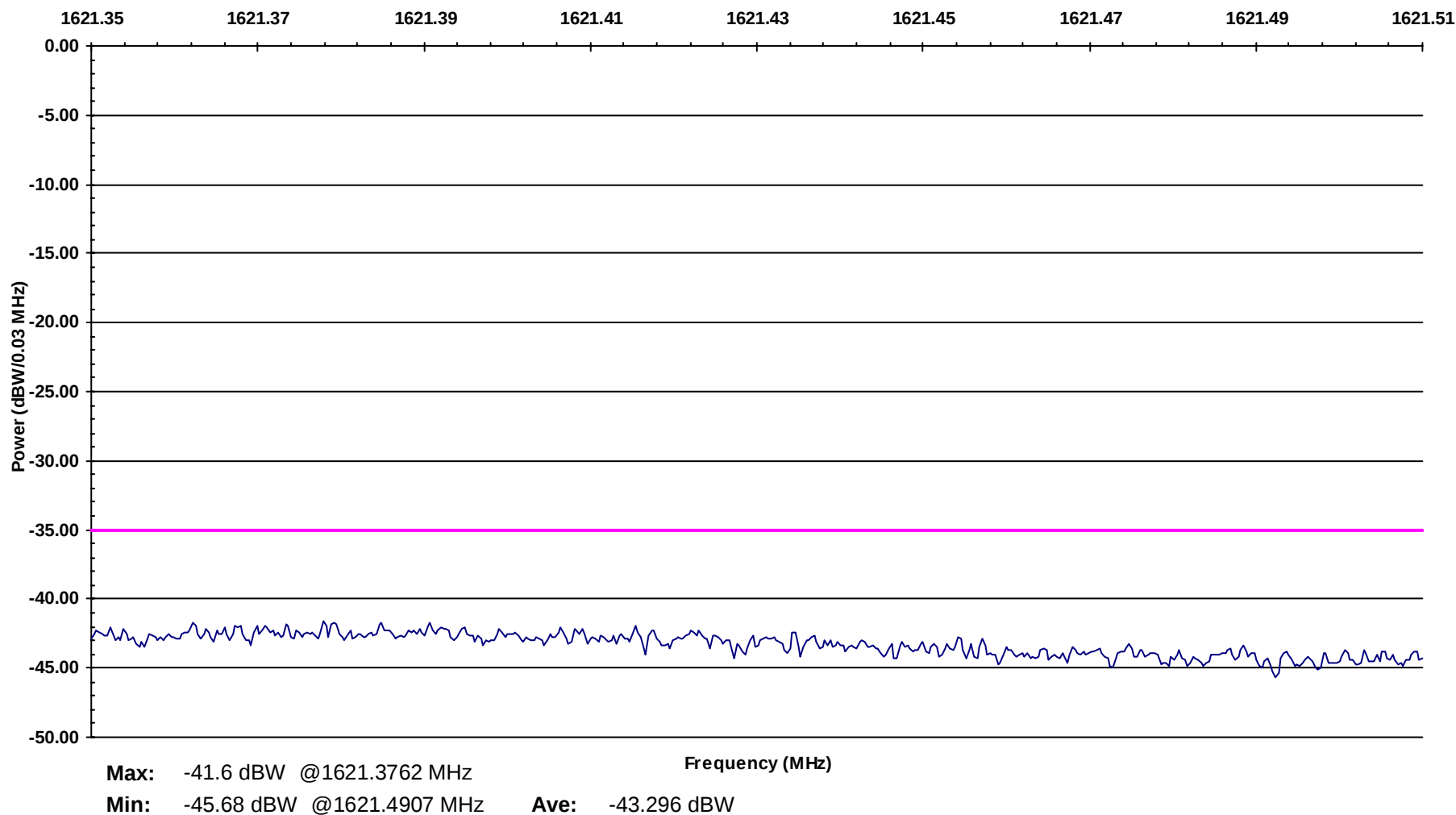


*PlotTitle*

*Plot Number*

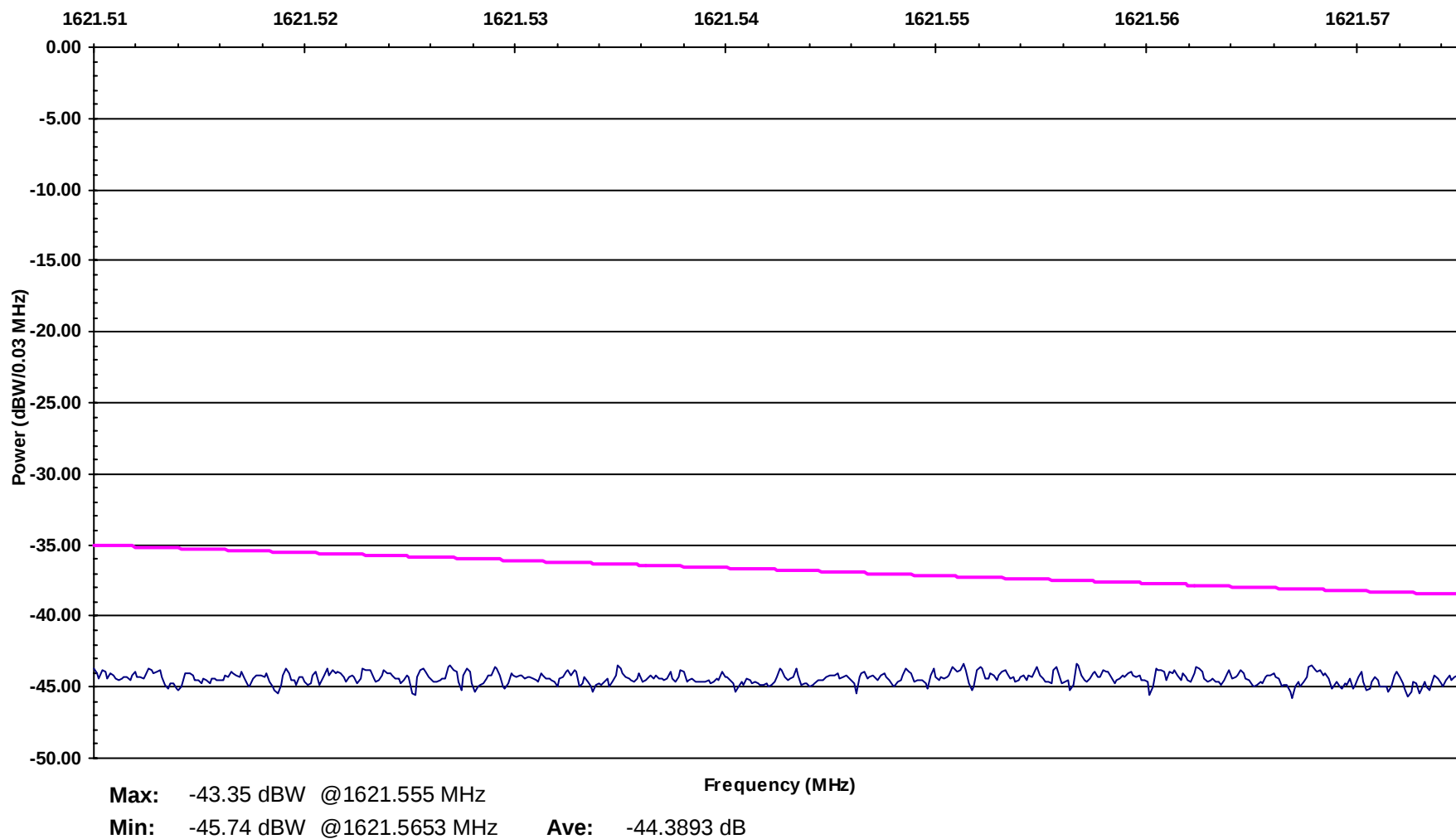
**Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1621.35 to 1621.51 MHz (Offset: 0.00 to 0.16 Mhz)**

**107**



Channel# 332 @25.00°C, 8.40V: In-band Noise &amp; Spurious: 1621.51 to 1621.57 MHz (Offset: 0.16 to 0.23 Mhz)

108

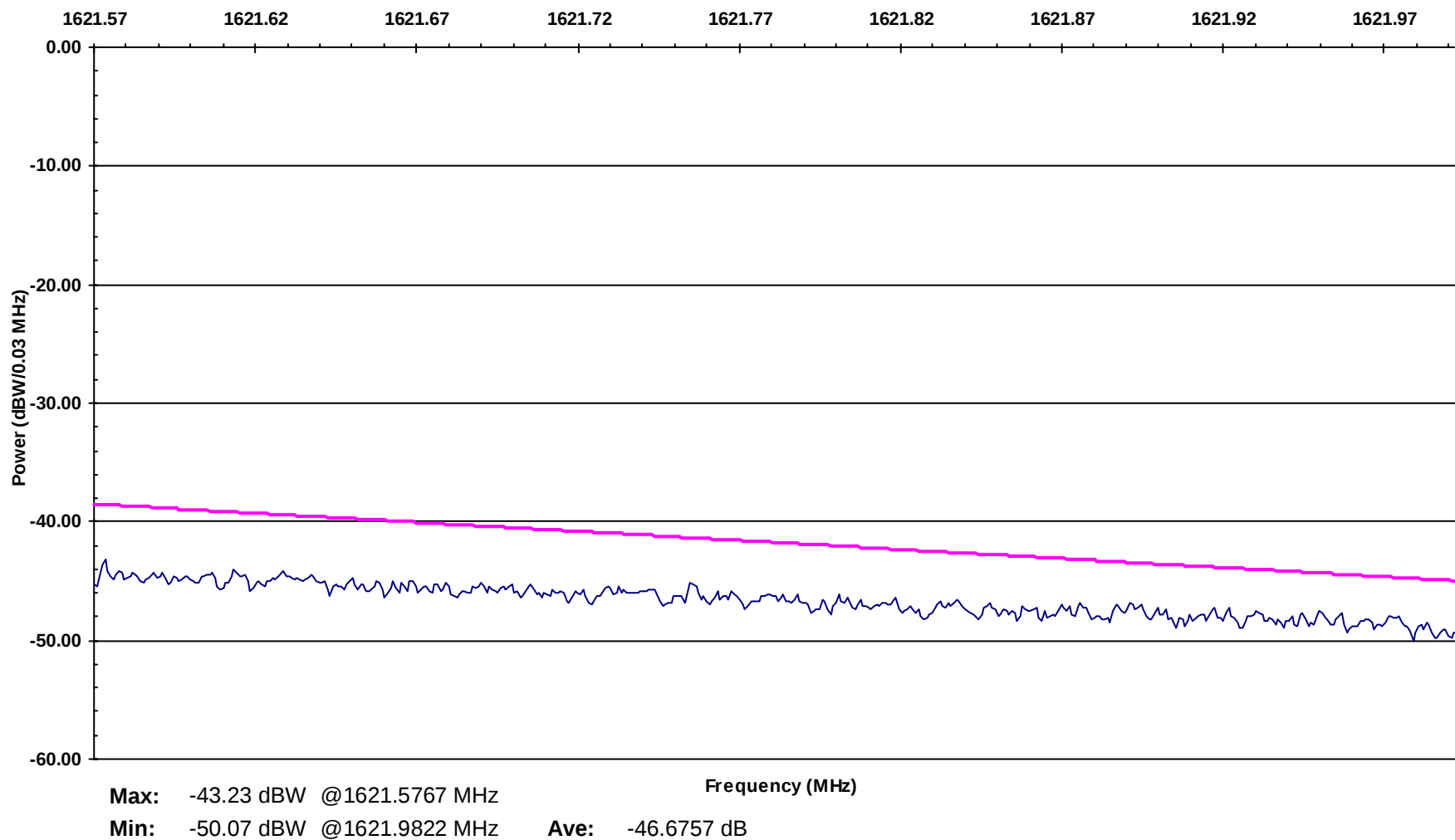


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1621.57 to 1622.00 MHz (Offset: 0.23 to 0.65 Mhz)

109

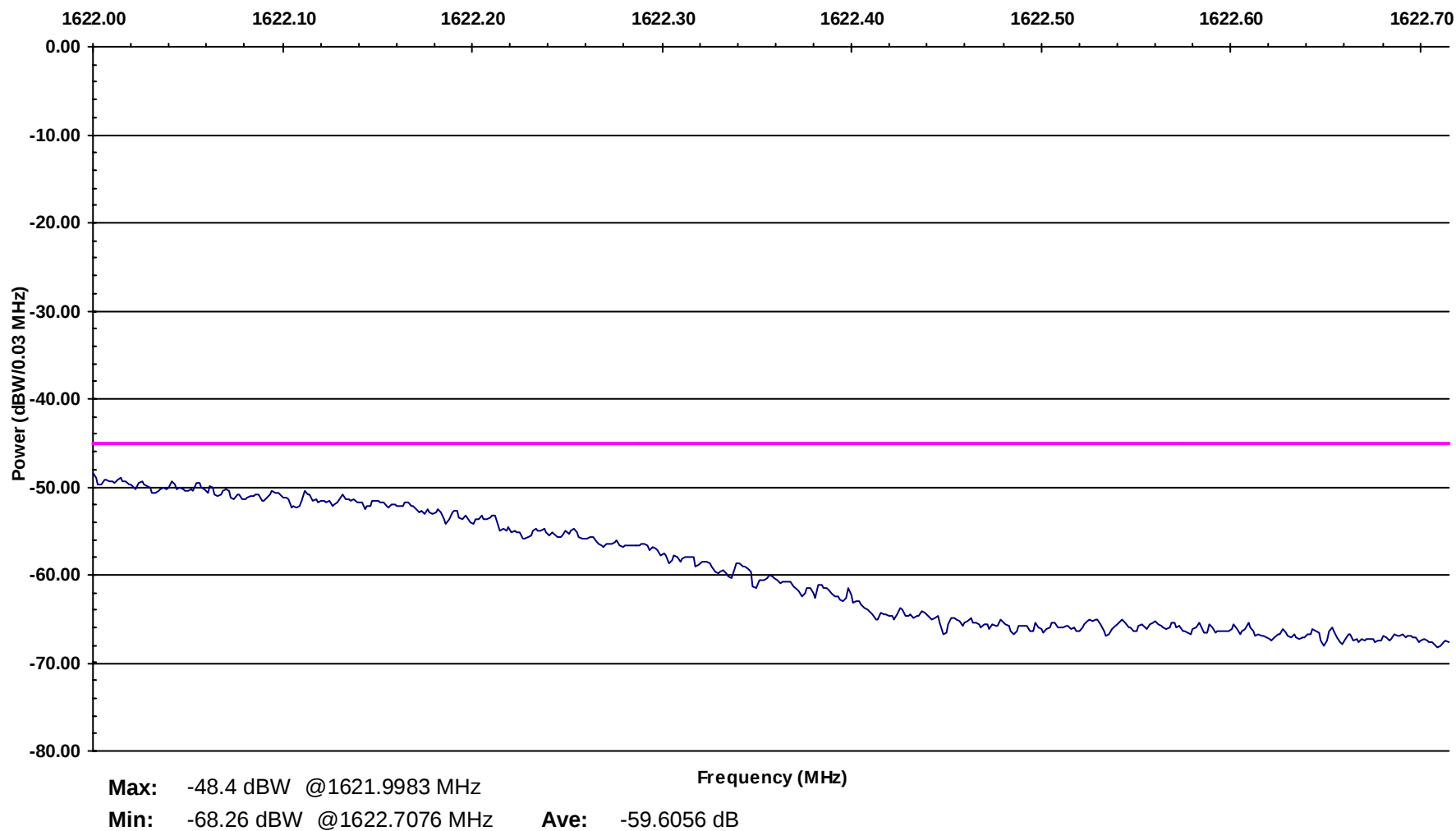


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1622.00 to 1622.71 MHz (Offset: 0.65 to 1.37 Mhz)

110

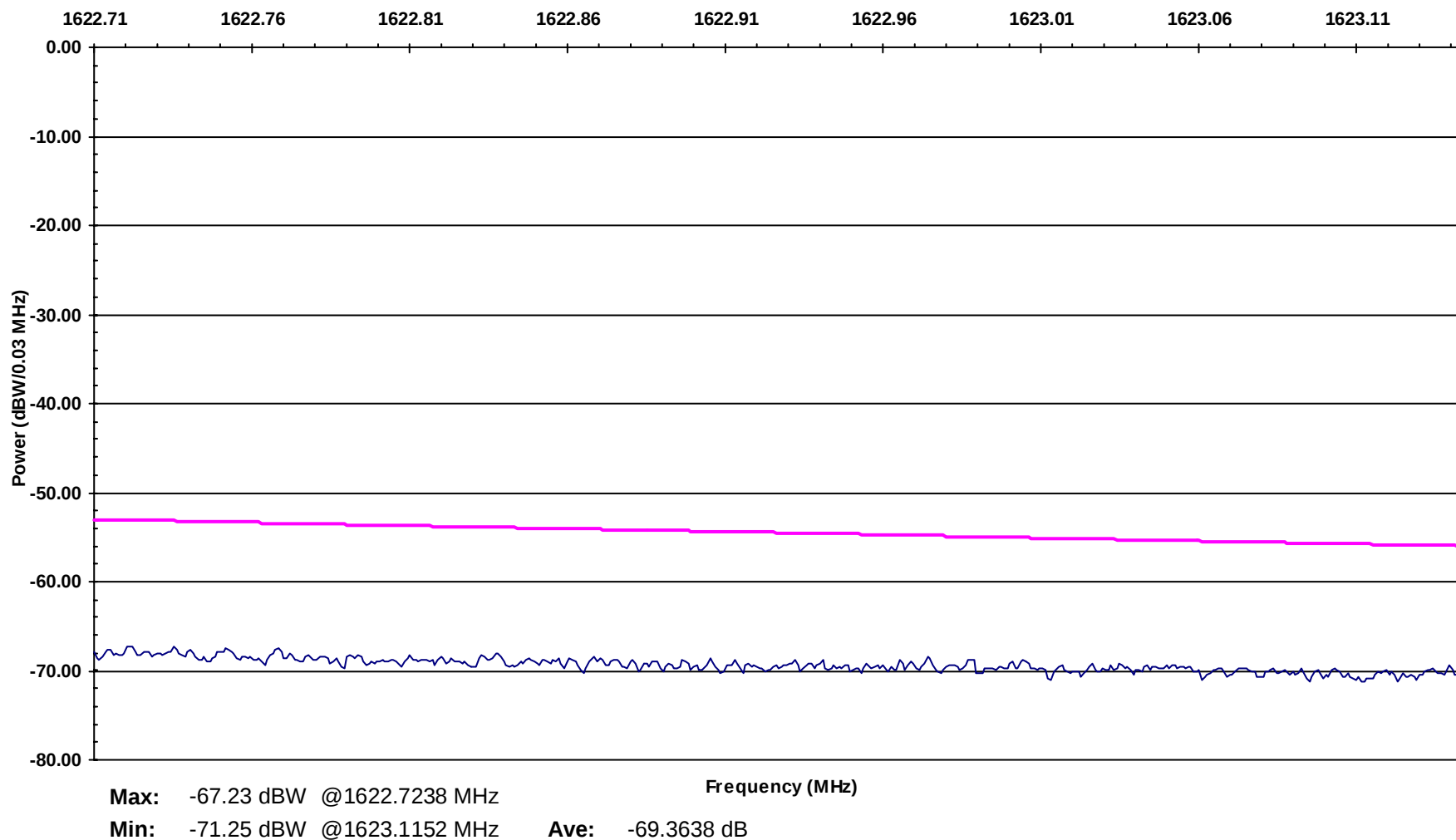


*PlotTitle*

*Plot Number*

Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1622.71 to 1623.15 MHz (Offset: 1.37 to 1.80 Mhz)

111



PlotTitle

Plot Number

Channel# 332 @25.00°C, 8.40V: In-band Noise & Spurious: 1623.15 to 1637.85 MHz (Offset: 1.80 to 16.50 Mhz)

112

