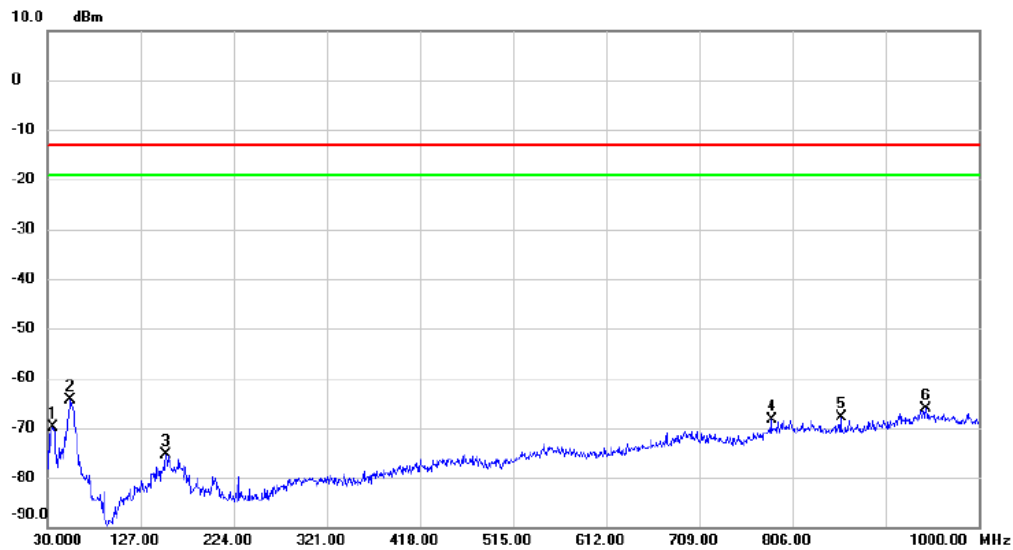


Test Mode:

PCS1900\_TX CH661\_EDGE\_without Earphone

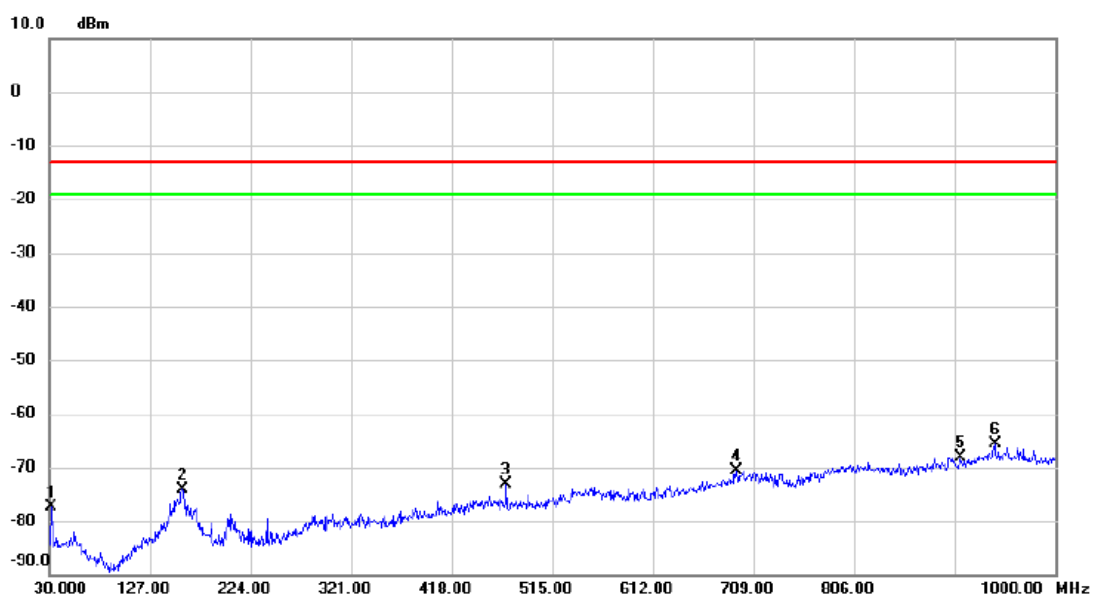
### Vertical



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 35.820       | -64.41                  | -5.38                   | -69.79                  | -13.00       | -56.79       | peak     |         |
| 2   | *   | 54.250       | -58.96                  | -5.37                   | -64.33                  | -13.00       | -51.33       | peak     |         |
| 3   |     | 153.675      | -73.84                  | -1.58                   | -75.42                  | -13.00       | -62.42       | peak     |         |
| 4   |     | 784.175      | -75.99                  | 7.59                    | -68.40                  | -13.00       | -55.40       | peak     |         |
| 5   |     | 856.440      | -75.73                  | 7.93                    | -67.80                  | -13.00       | -54.80       | peak     |         |
| 6   |     | 945.195      | -76.92                  | 10.81                   | -66.11                  | -13.00       | -53.11       | peak     |         |

Test Mode: PCS1900\_TX CH661\_EDGE\_without Earphone

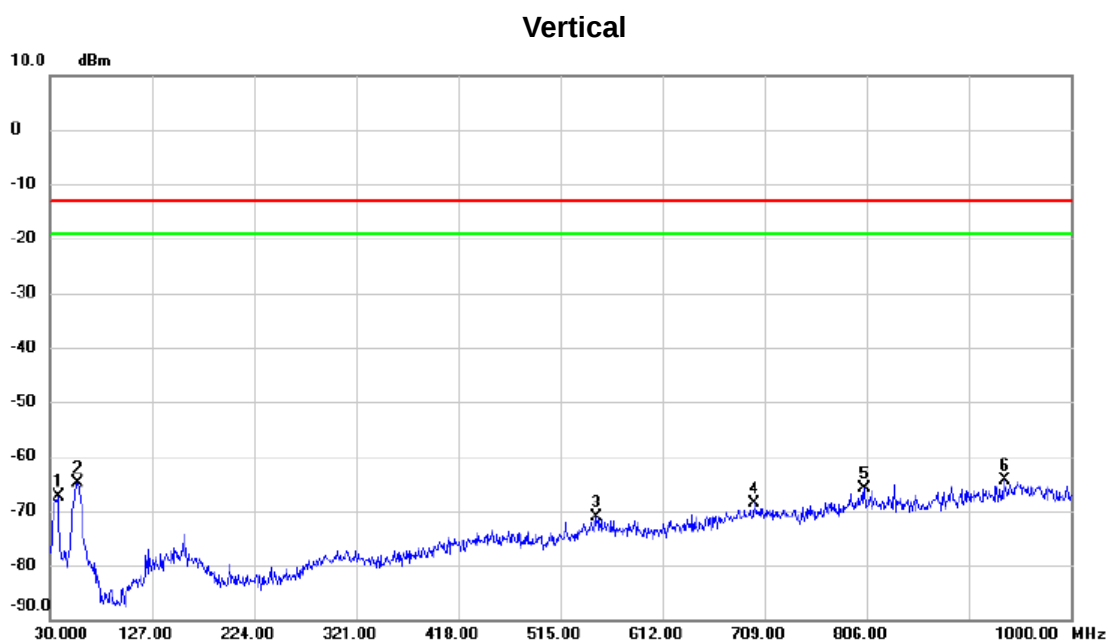
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 31.455       | -71.93                  | -5.43                   | -77.36                  | -13.00       | -64.36       | peak     |         |
| 2   |     | 158.525      | -72.97                  | -1.14                   | -74.11                  | -13.00       | -61.11       | peak     |         |
| 3   |     | 470.380      | -74.86                  | 1.73                    | -73.13                  | -13.00       | -60.13       | peak     |         |
| 4   |     | 692.510      | -77.10                  | 6.48                    | -70.62                  | -13.00       | -57.62       | peak     |         |
| 5   |     | 908.335      | -77.40                  | 9.32                    | -68.08                  | -13.00       | -55.08       | peak     |         |
| 6   | *   | 941.800      | -76.39                  | 10.66                   | -65.73                  | -13.00       | -52.73       | peak     |         |

Test Mode:

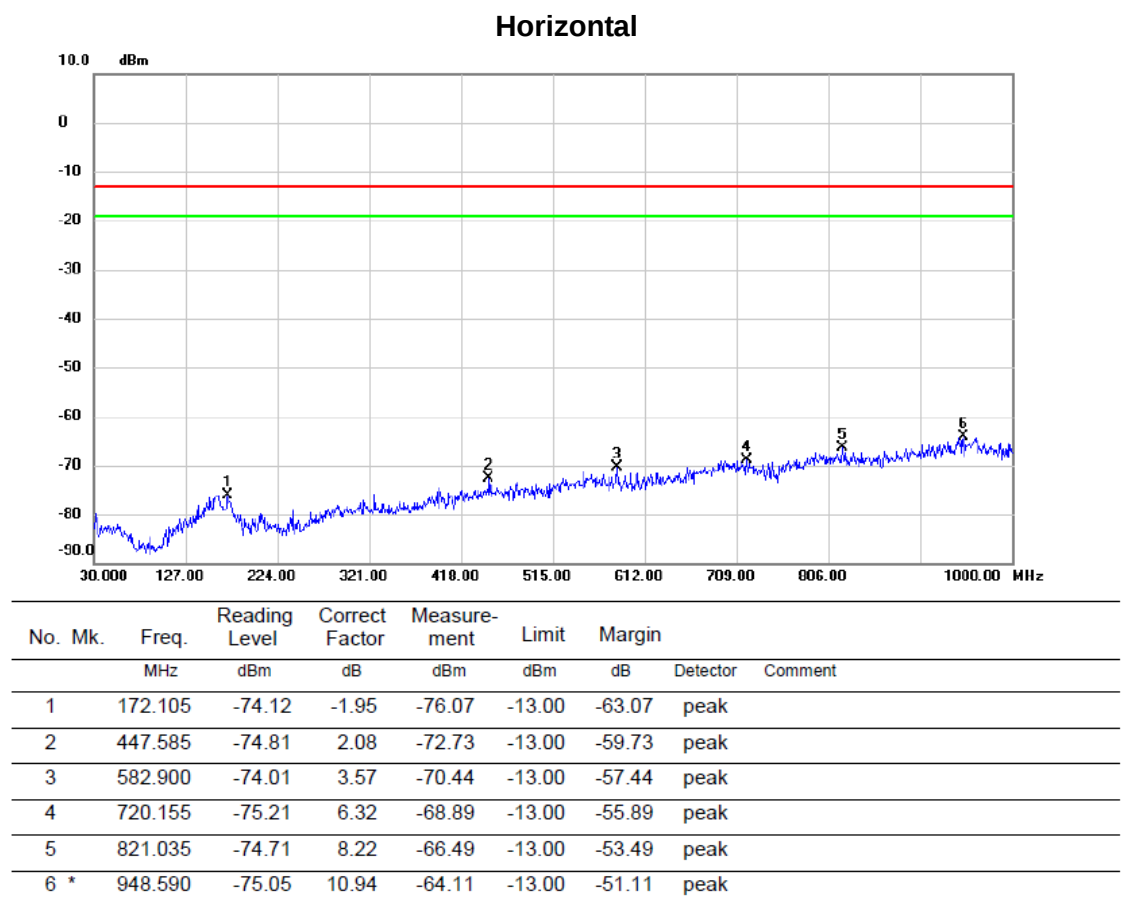
WCDMA Band II\_TX CH9400



| No. | Mk. | Freq.   | Reading | Correct | Measure- | Limit  | Margin |          |         |
|-----|-----|---------|---------|---------|----------|--------|--------|----------|---------|
|     |     | MHz     | Level   | Factor  | ment     |        |        | Detector | Comment |
|     |     |         | dBm     | dB      | dBm      | dBm    | dB     |          |         |
| 1   |     | 37.760  | -62.29  | -5.12   | -67.41   | -13.00 | -54.41 | peak     |         |
| 2   |     | 56.190  | -59.27  | -5.48   | -64.75   | -13.00 | -51.75 | peak     |         |
| 3   |     | 549.435 | -75.13  | 4.09    | -71.04   | -13.00 | -58.04 | peak     |         |
| 4   |     | 699.785 | -75.47  | 6.83    | -68.64   | -13.00 | -55.64 | peak     |         |
| 5   |     | 804.545 | -74.28  | 8.48    | -65.80   | -13.00 | -52.80 | peak     |         |
| 6   | *   | 936.950 | -74.87  | 10.48   | -64.39   | -13.00 | -51.39 | peak     |         |

Test Mode:

WCDMA Band II\_TX CH9400



Test Mode: LTE Band 2\_TX CH18900\_1.4M

### Vertical



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 36.790       | -61.84                  | -5.27                   | -67.11                  | -13.00       | -54.11       | peak     |         |
| 2   |     | 56.190       | -63.90                  | -5.48                   | -69.38                  | -13.00       | -56.38       | peak     |         |
| 3   |     | 145.915      | -75.71                  | -2.14                   | -77.85                  | -13.00       | -64.85       | peak     |         |
| 4   |     | 553.315      | -76.97                  | 4.07                    | -72.90                  | -13.00       | -59.90       | peak     |         |
| 5   |     | 715.305      | -77.18                  | 6.45                    | -70.73                  | -13.00       | -57.73       | peak     |         |
| 6   | *   | 943.255      | -77.03                  | 10.73                   | -66.30                  | -13.00       | -53.30       | peak     |         |

Test Mode: LTE Band 2\_TX CH18900\_1.4M

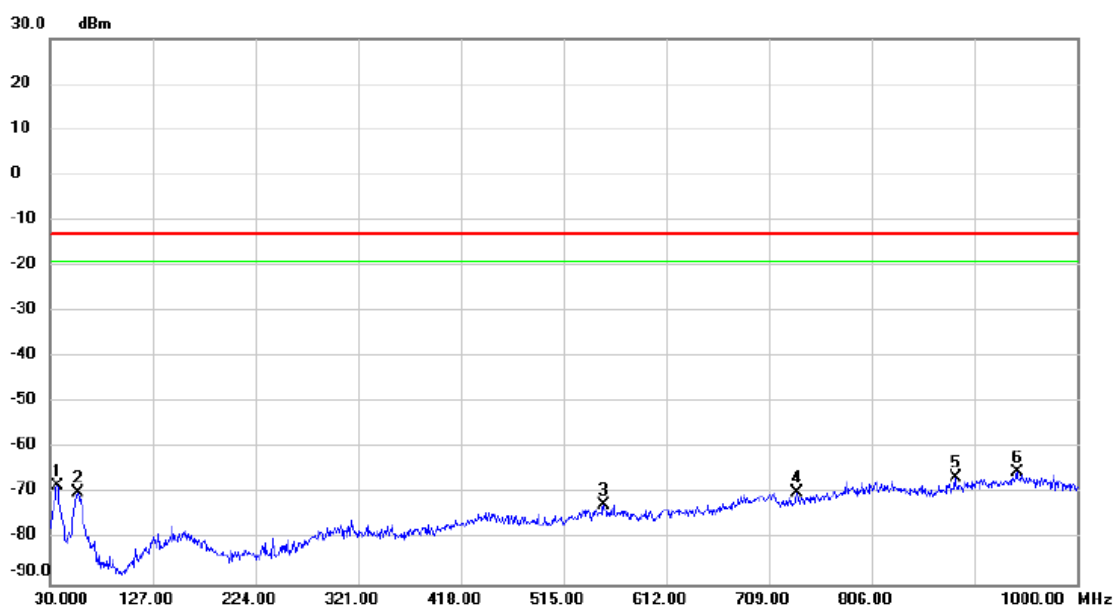
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 152.705      | -72.51                  | -1.66                   | -74.17                  | -13.00       | -61.17       | peak     |         |
| 2   |     | 239.520      | -67.10                  | -5.10                   | -72.20                  | -13.00       | -59.20       | peak     |         |
| 3   |     | 484.445      | -75.98                  | 1.41                    | -74.57                  | -13.00       | -61.57       | peak     |         |
| 4   |     | 640.615      | -75.59                  | 4.20                    | -71.39                  | -13.00       | -58.39       | peak     |         |
| 5   |     | 725.005      | -75.11                  | 6.19                    | -68.92                  | -13.00       | -55.92       | peak     |         |
| 6   | *   | 951.985      | -76.54                  | 10.95                   | -65.59                  | -13.00       | -52.59       | peak     |         |

Test Mode: LTE Band 2\_ TX CH18900\_5M

**Vertical**



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 36.790       | -62.84                  | -5.27                   | -68.11                  | -13.00       | -55.11       | peak     |         |
| 2   |     | 56.190       | -64.40                  | -5.48                   | -69.88                  | -13.00       | -56.88       | peak     |         |
| 3   |     | 553.315      | -76.47                  | 4.07                    | -72.40                  | -13.00       | -59.40       | peak     |         |
| 4   |     | 735.190      | -75.58                  | 5.93                    | -69.65                  | -13.00       | -56.65       | peak     |         |
| 5   |     | 885.055      | -75.22                  | 8.62                    | -66.60                  | -13.00       | -53.60       | peak     |         |
| 6   | *   | 943.255      | -76.03                  | 10.73                   | -65.30                  | -13.00       | -52.30       | peak     |         |

Test Mode: LTE Band 2\_ TX CH18900\_5M

### Horizontal



| No. Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|---------|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1       | 152.705      | -73.01                  | -1.66                   | -74.67                  | -13.00       | -61.67       | peak     |         |
| 2       | 548.950      | -75.72                  | 4.06                    | -71.66                  | -13.00       | -58.66       | peak     |         |
| 3       | 725.005      | -75.11                  | 6.19                    | -68.92                  | -13.00       | -55.92       | peak     |         |
| 4       | 784.175      | -72.92                  | 7.59                    | -65.33                  | -13.00       | -52.33       | peak     |         |
| 5       | 894.755      | -73.97                  | 8.87                    | -65.10                  | -13.00       | -52.10       | peak     |         |
| 6 *     | 951.985      | -75.04                  | 10.95                   | -64.09                  | -13.00       | -51.09       | peak     |         |

Test Mode: LTE Band 2\_TX CH18900\_20M

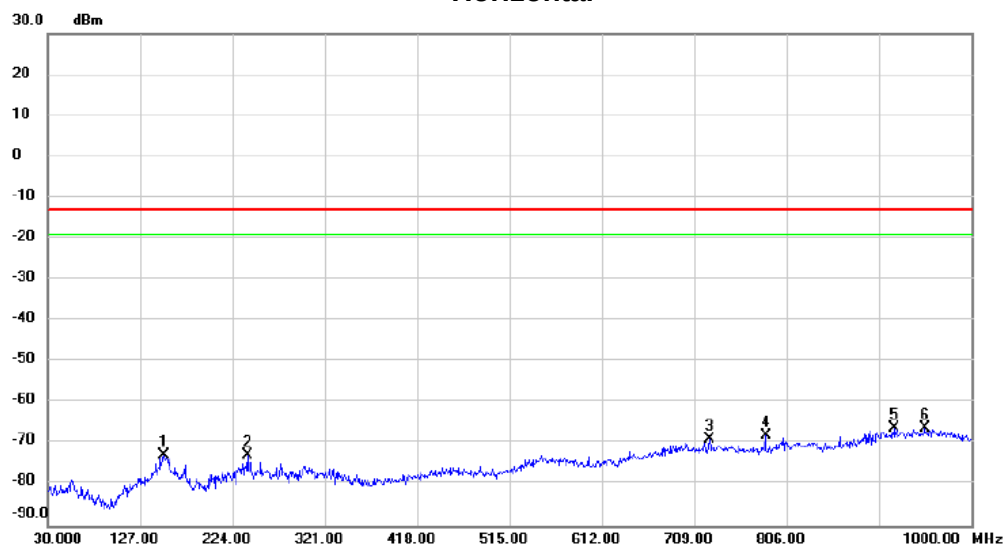
### Vertical



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 36.790       | -62.84                  | -5.27                   | -68.11                  | -13.00       | -55.11       | peak     |         |
| 2   |     | 56.190       | -64.40                  | -5.48                   | -69.88                  | -13.00       | -56.88       | peak     |         |
| 3   |     | 158.525      | -76.64                  | -1.14                   | -77.78                  | -13.00       | -64.78       | peak     |         |
| 4   |     | 434.490      | -75.11                  | 1.58                    | -73.53                  | -13.00       | -60.53       | peak     |         |
| 5   |     | 553.315      | -75.97                  | 4.07                    | -71.90                  | -13.00       | -58.90       | peak     |         |
| 6   | *   | 943.255      | -75.03                  | 10.73                   | -64.30                  | -13.00       | -51.30       | peak     |         |

Test Mode: LTE Band 2\_TX CH18900\_20M

### Horizontal

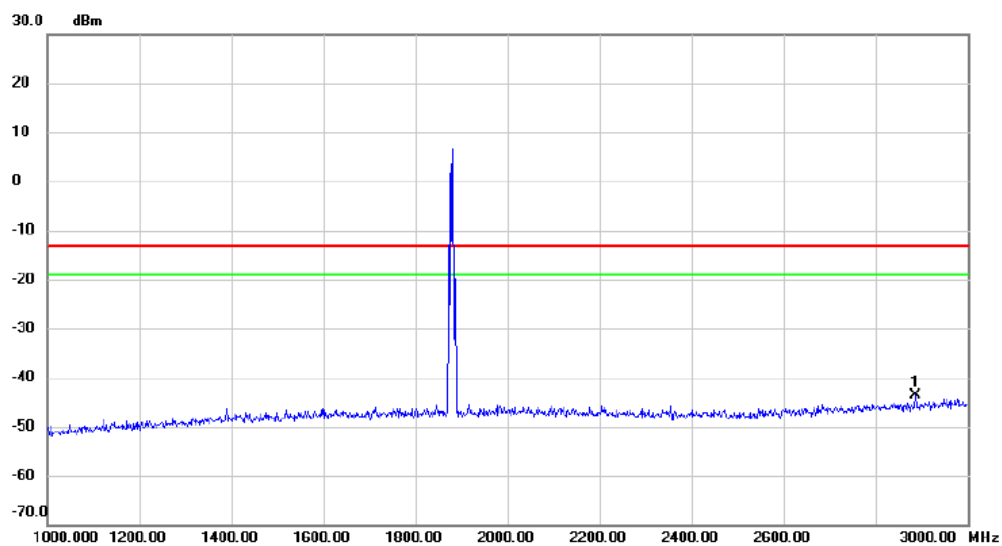


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 152.705      | -71.01                  | -1.66                   | -72.67                  | -13.00       | -59.67       | peak     |         |
| 2   |     | 239.520      | -67.60                  | -5.10                   | -72.70                  | -13.00       | -59.70       | peak     |         |
| 3   |     | 725.005      | -75.11                  | 6.19                    | -68.92                  | -13.00       | -55.92       | peak     |         |
| 4   |     | 784.175      | -75.42                  | 7.59                    | -67.83                  | -13.00       | -54.83       | peak     |         |
| 5   |     | 919.490      | -75.90                  | 9.77                    | -66.13                  | -13.00       | -53.13       | peak     |         |
| 6   | *   | 951.985      | -77.04                  | 10.95                   | -66.09                  | -13.00       | -53.09       | peak     |         |

## APPENDIX F - RADIATED EMISSION (ABOVE 1GHZ)

Test Mode: PCS1900\_TX CH661\_GSM\_with Earphone

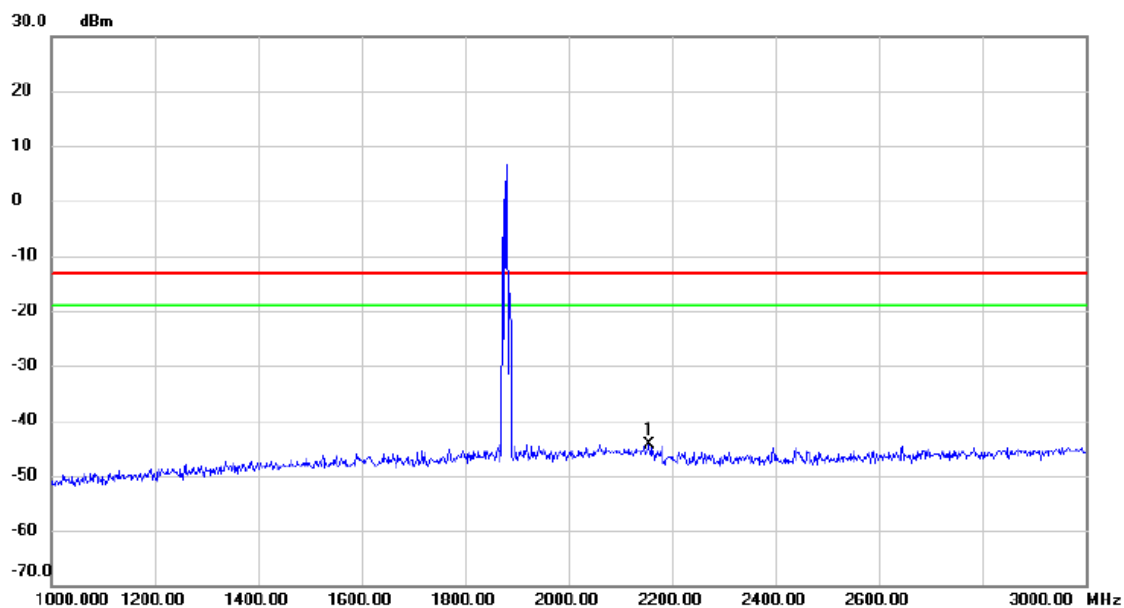
**Vertical**



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 2886.000     | -65.08                  | 21.40                   | -43.68                  | -13.00       | -30.68       | peak     |         |

Test Mode: PCS1900\_TX CH661\_GSM\_with Earphone

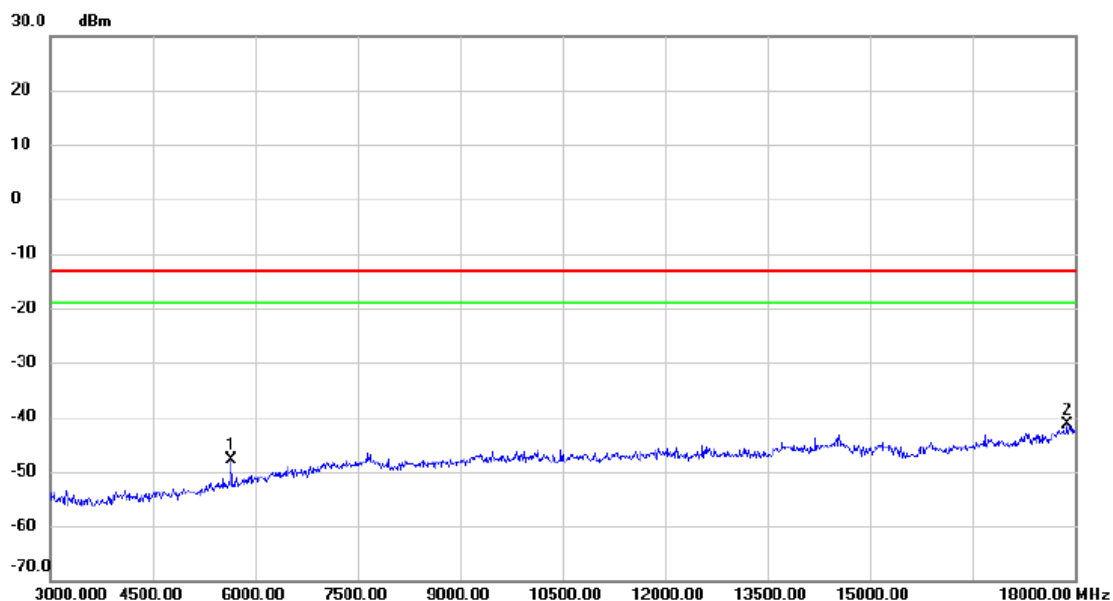
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 2157.000     | -63.59                  | 19.31                   | -44.28                  | -13.00       | -31.28       | peak     |         |

Test Mode: PCS1900\_TX CH661\_GSM\_with Earphone

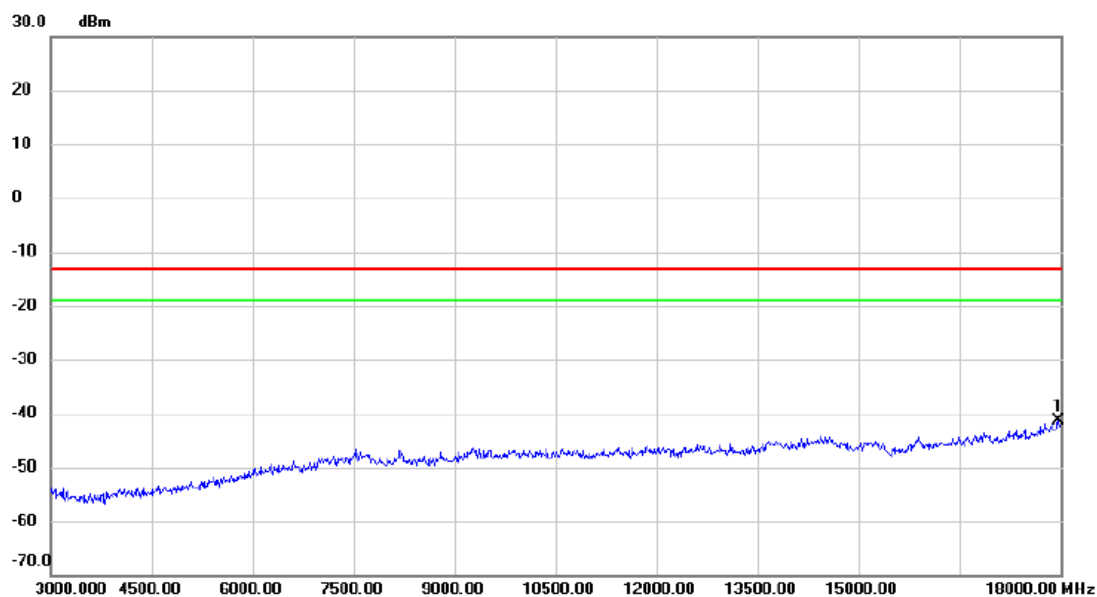
### Vertical



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 5640.000     | -65.31                  | 17.47                   | -47.84                  | -13.00       | -34.84       | peak     |         |
| 2   | *   | 17880.000    | -70.46                  | 29.15                   | -41.31                  | -13.00       | -28.31       | peak     |         |

Test Mode: PCS1900\_TX CH661\_GSM\_with Earphone

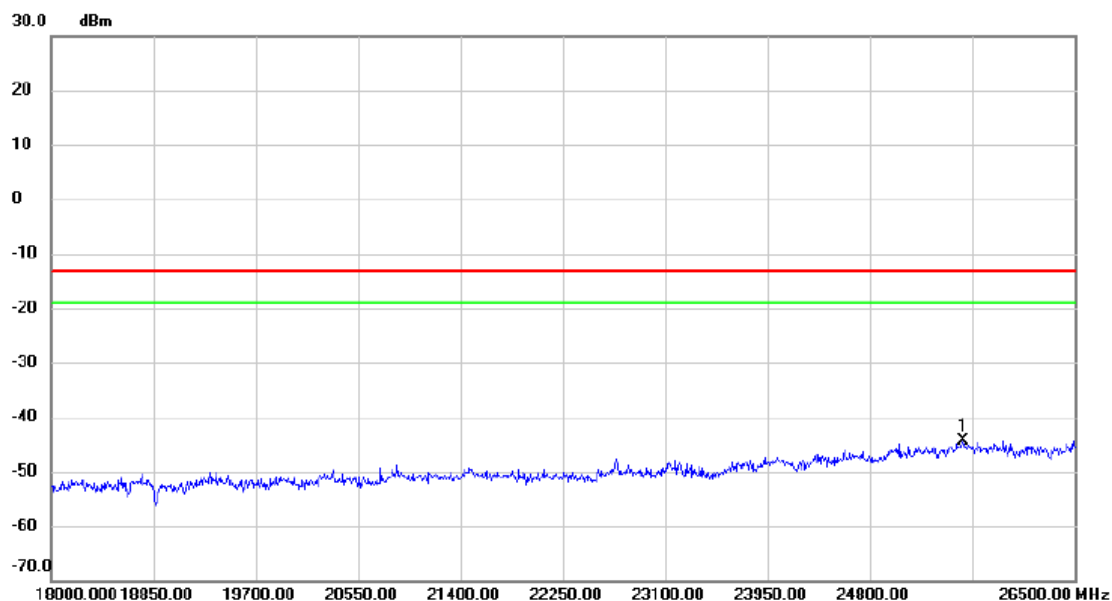
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 17970.000    | -70.90                  | 29.42                   | -41.48                  | -13.00       | -28.48       | peak     |         |

Test Mode: PCS1900\_TX CH661\_GSM\_with Earphone

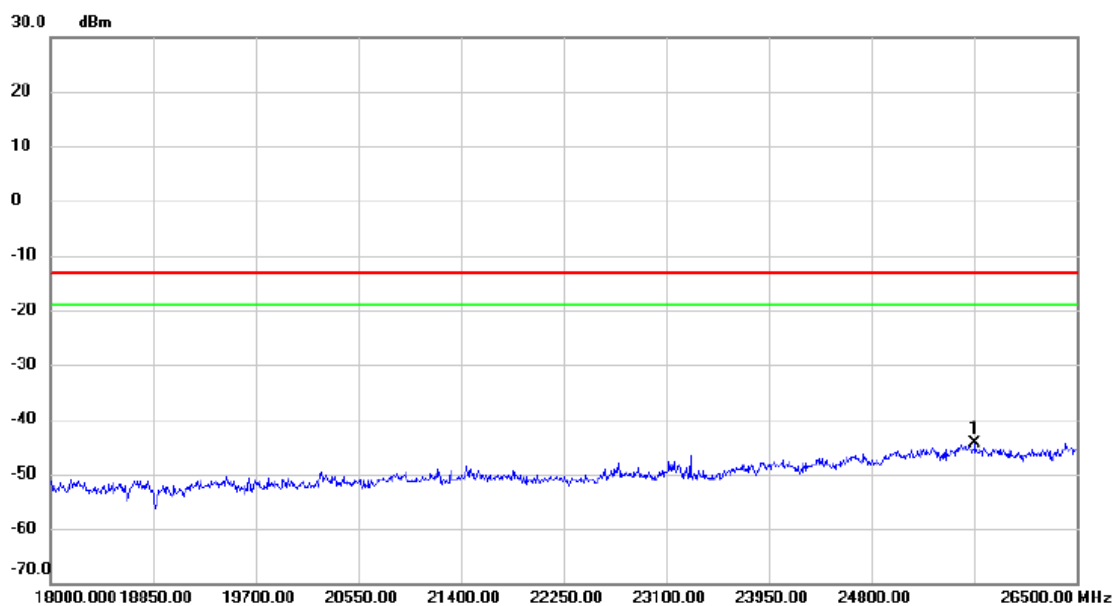
**Vertical**



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 25577.750    | -67.33                  | 22.96                   | -44.37                  | -13.00       | -31.37       | peak     |         |

Test Mode: PCS1900\_TX CH661\_GSM\_with Earphone

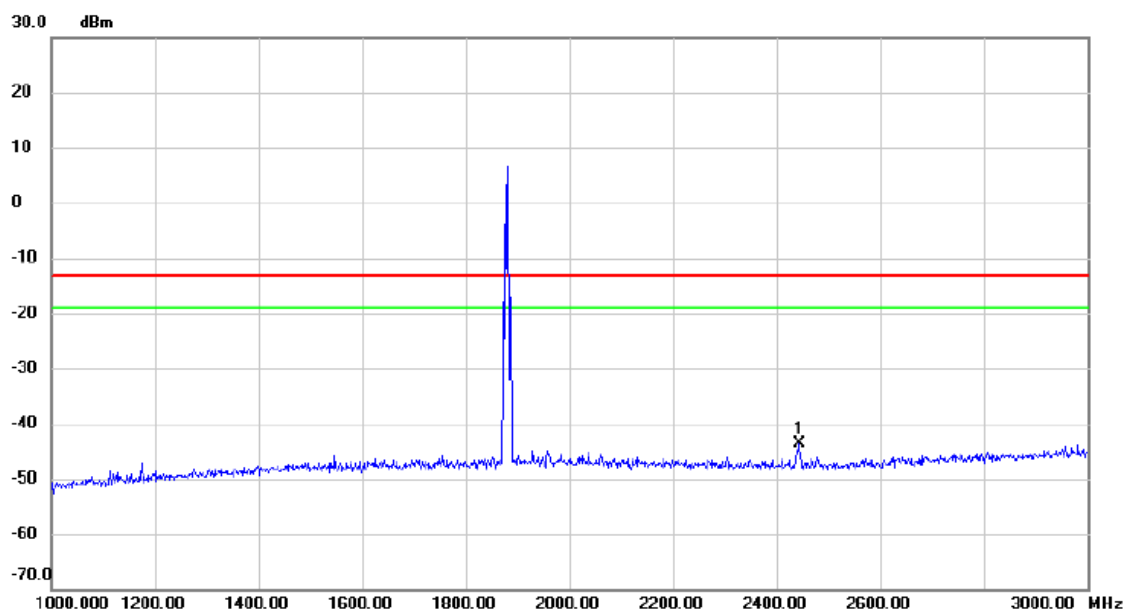
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 25658.500    | -67.24                  | 22.86                   | -44.38                  | -13.00       | -31.38       | peak     |         |

Test Mode: PCS1900\_TX CH661\_GSM\_without Earphone

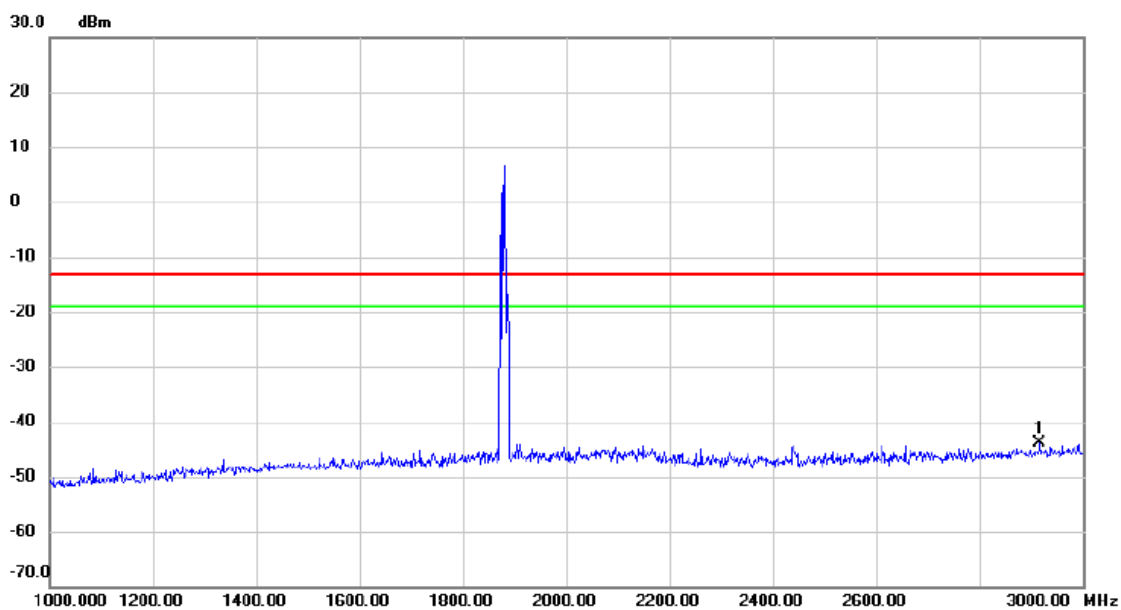
**Vertical**



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 2445.000     | -62.76                  | 19.09                   | -43.67                  | -13.00       | -30.67       | peak     |         |

|            |                                       |
|------------|---------------------------------------|
| Test Mode: | PCS1900_TX CH661_GSM_without Earphone |
|------------|---------------------------------------|

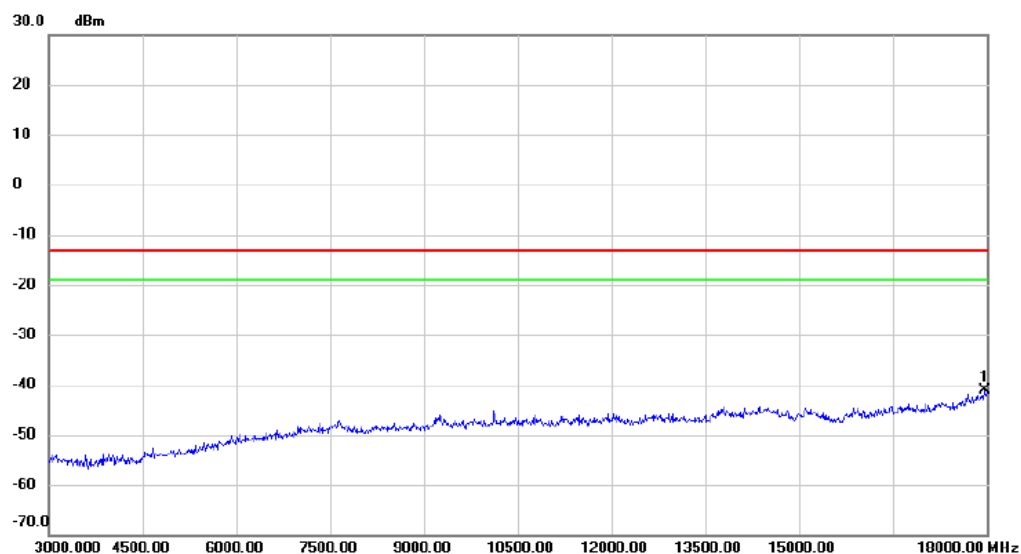
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 2916.000     | -65.41                  | 21.58                   | -43.83                  | -13.00       | -30.83       | peak     |         |

|            |                                       |
|------------|---------------------------------------|
| Test Mode: | PCS1900_TX CH661_GSM_without Earphone |
|------------|---------------------------------------|

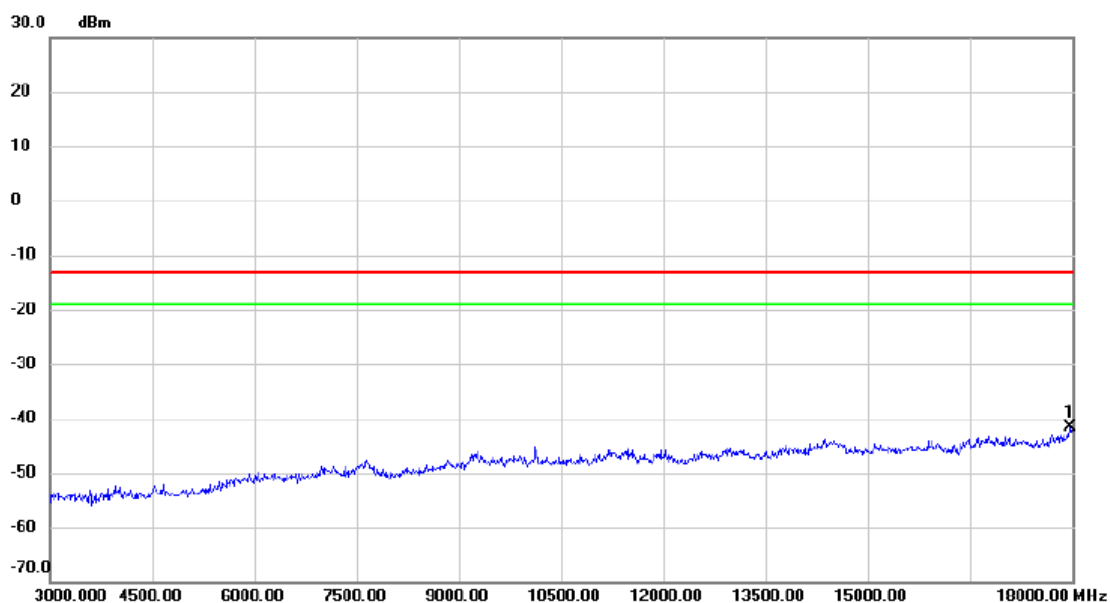
### Vertical



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 17962.500    | -70.61                  | 29.39                   | -41.22                  | -13.00       | -28.22       | peak     |         |

|            |                                       |
|------------|---------------------------------------|
| Test Mode: | PCS1900_TX CH661_GSM_without Earphone |
|------------|---------------------------------------|

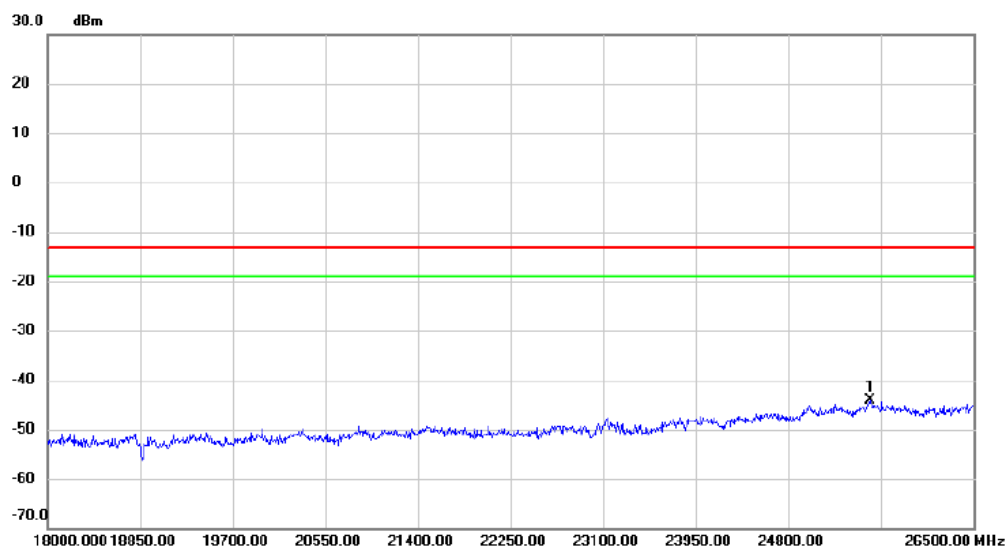
### Horizontal



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz       | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 17969.970 | -71.11        | 29.42          | -41.69      | -13.00 | -28.69 | peak     |         |

Test Mode: PCS1900\_TX CH661\_GSM\_without Earphone

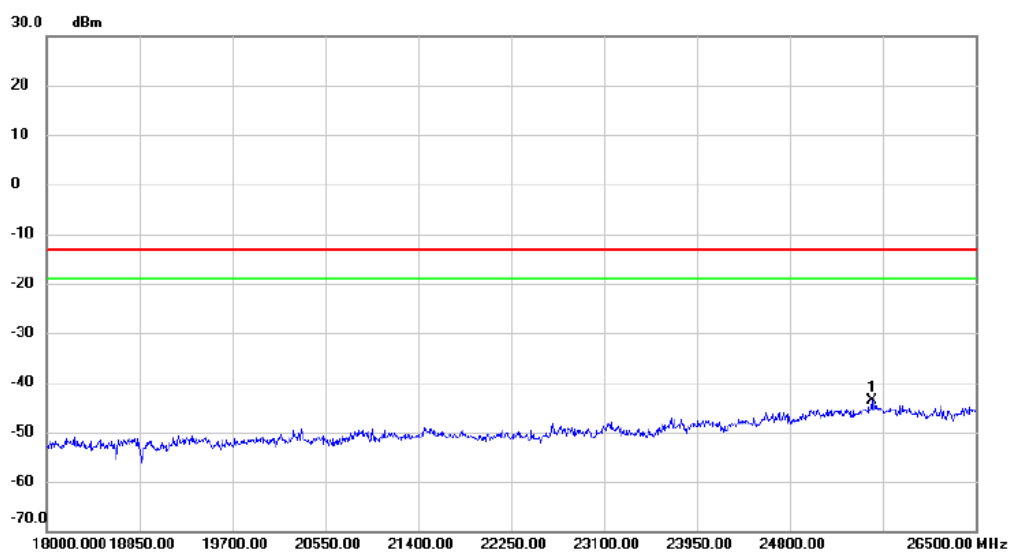
**Vertical**



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 25548.000    | -67.20                  | 23.00                   | -44.20                  | -13.00       | -31.20       | peak     |         |

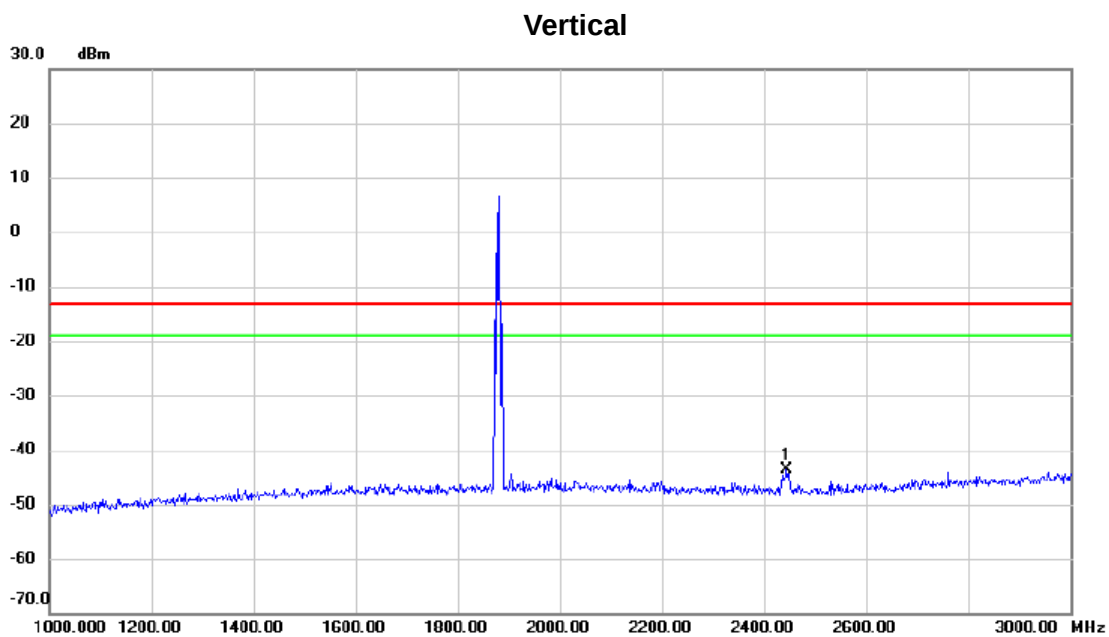
|            |                                       |
|------------|---------------------------------------|
| Test Mode: | PCS1900_TX CH661_GSM_without Earphone |
|------------|---------------------------------------|

### Horizontal



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz       | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 25552.250 | -66.58        | 22.98          | -43.60      | -13.00 | -30.60 | peak     |         |

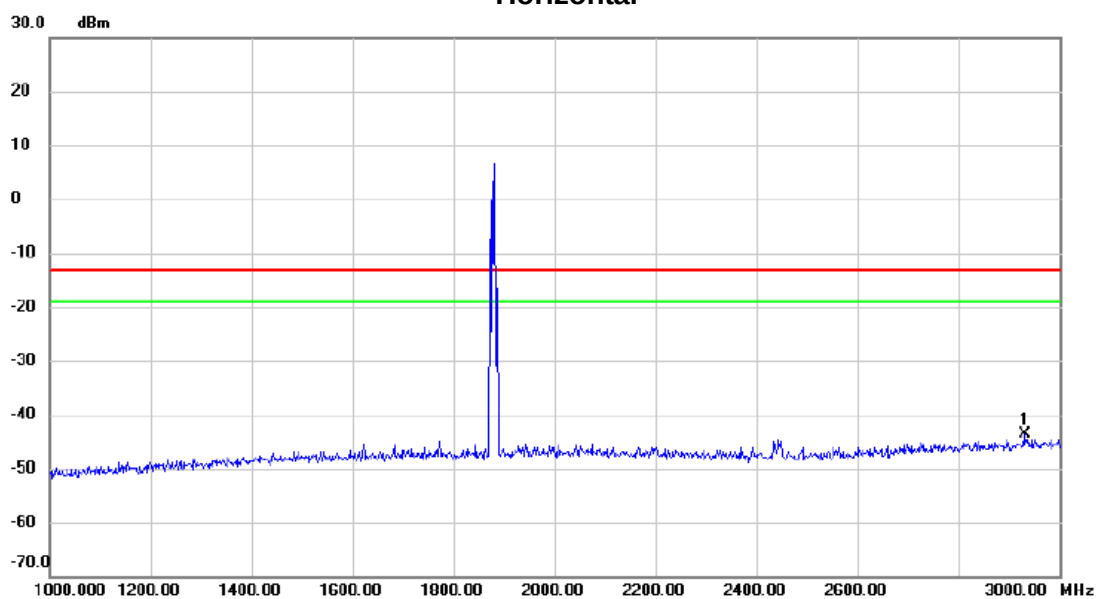
Test Mode: PCS1900\_TX CH661\_EDGE\_with Earphone



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 2444.000     | -62.69                  | 19.09                   | -43.60                  | -13.00       | -30.60       | peak     |         |

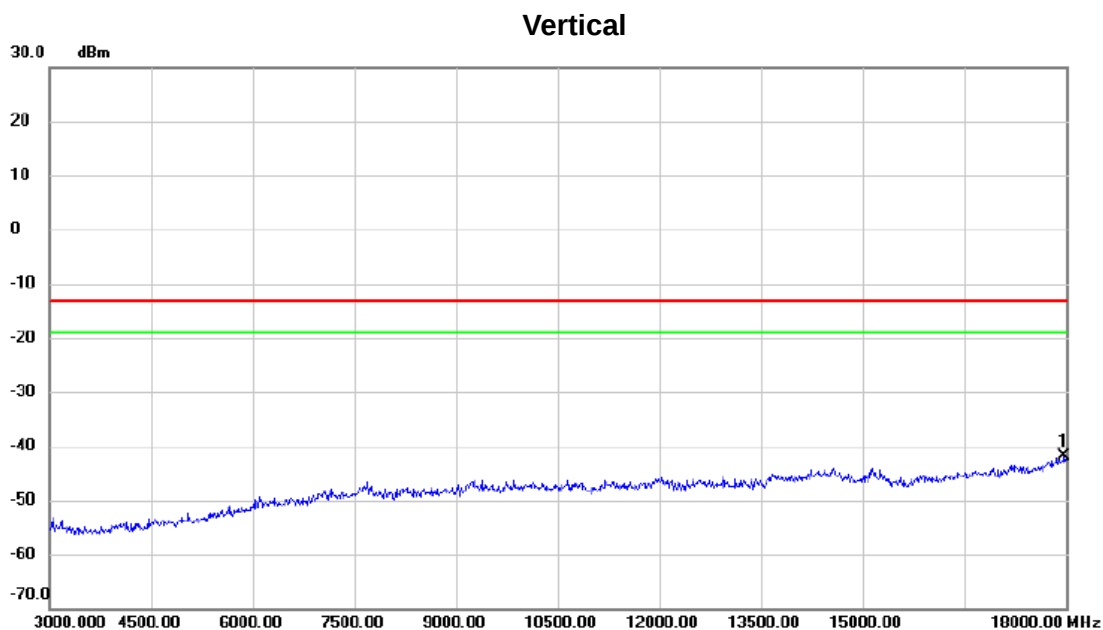
Test Mode: PCS1900\_TX CH661\_EDGE\_with Earphone

### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 2931.000     | -65.41                  | 21.67                   | -43.74                  | -13.00       | -30.74       | peak     |         |

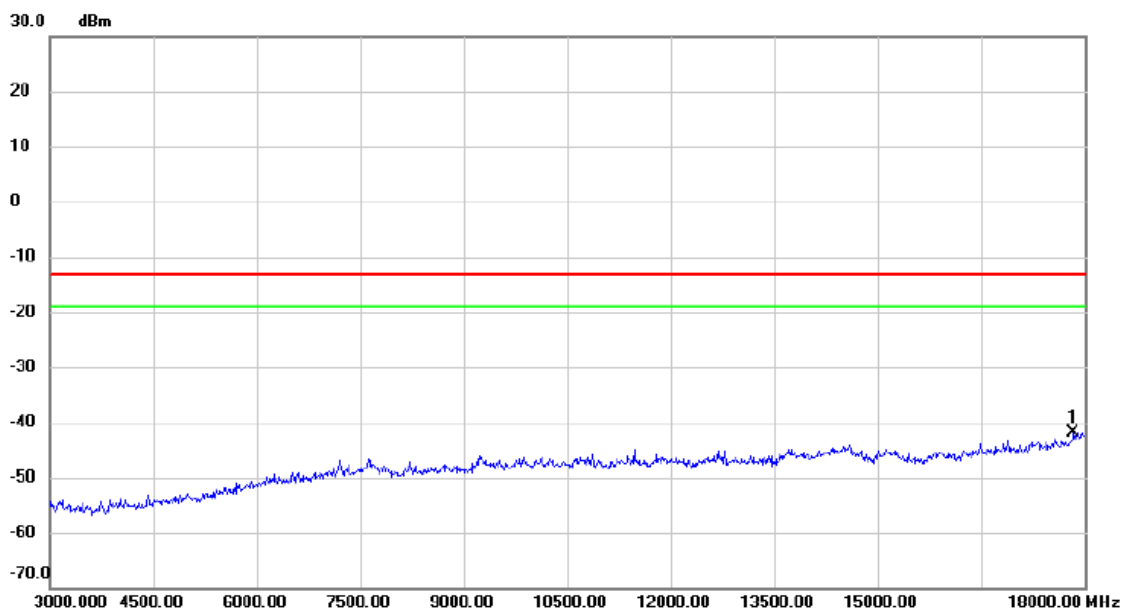
|            |                                     |
|------------|-------------------------------------|
| Test Mode: | PCS1900_TX CH661_EDGE_with Earphone |
|------------|-------------------------------------|



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz       | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 17970.000 | -71.32        | 29.42          | -41.90      | -13.00 | -28.90 | peak     |         |

Test Mode: PCS1900\_TX CH661\_EDGE\_with Earphone

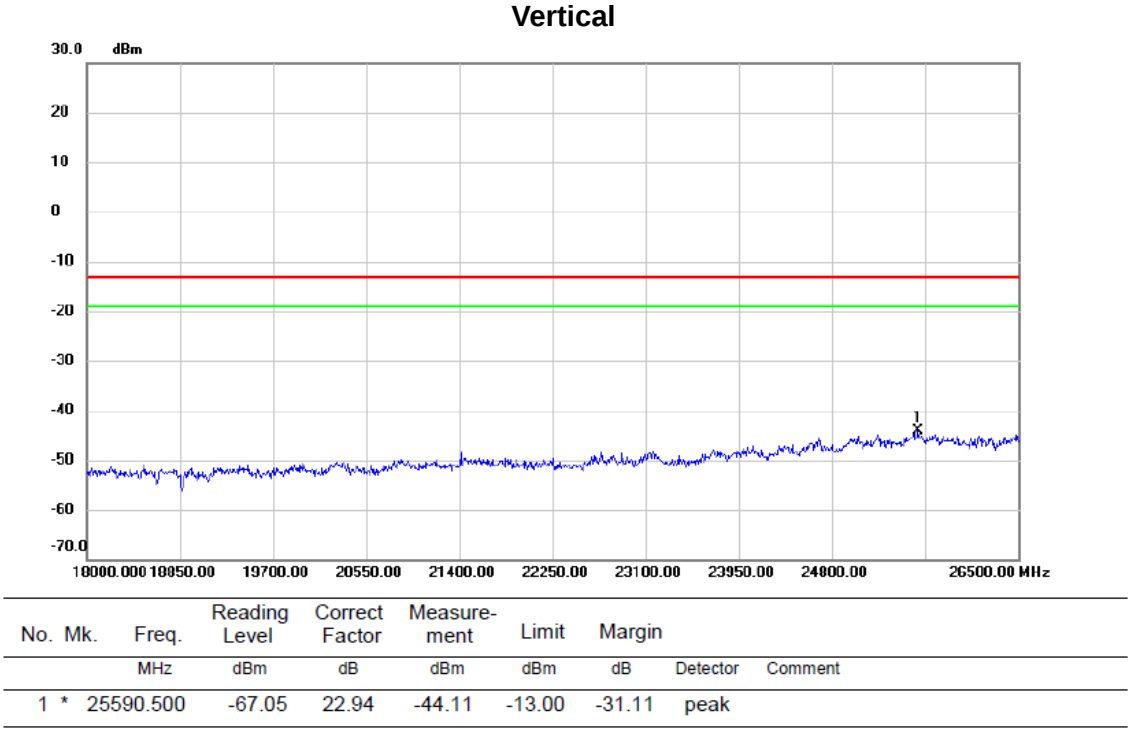
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 17835.000    | -70.87                  | 29.02                   | -41.85                  | -13.00       | -28.85       | peak     |         |

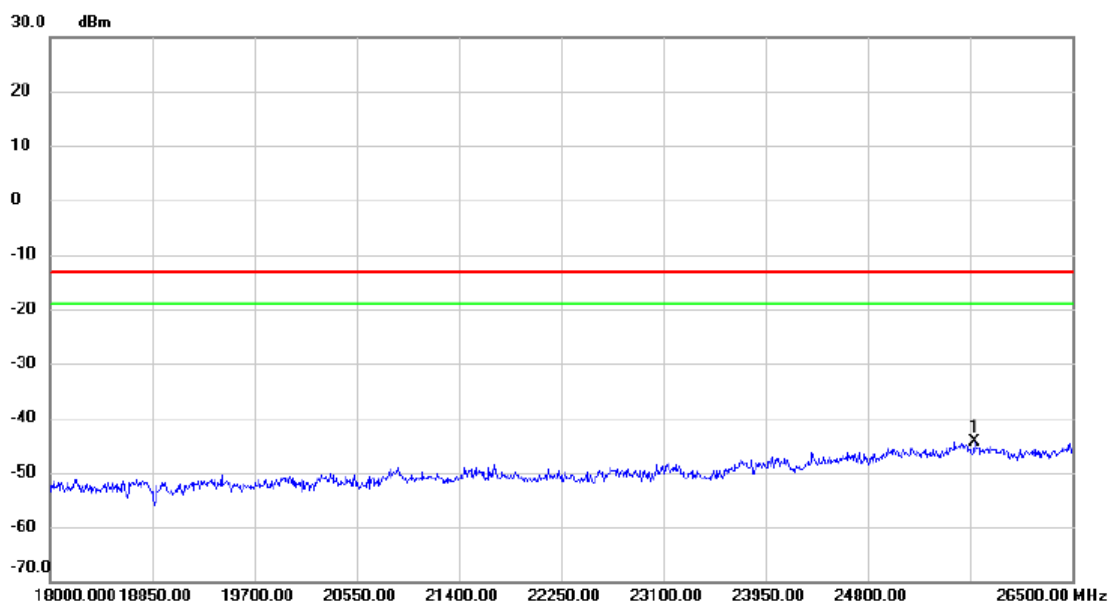
Test Mode:

PCS1900\_TX CH661\_EDGE\_with Earphone



Test Mode: PCS1900\_TX CH661\_EDGE\_with Earphone

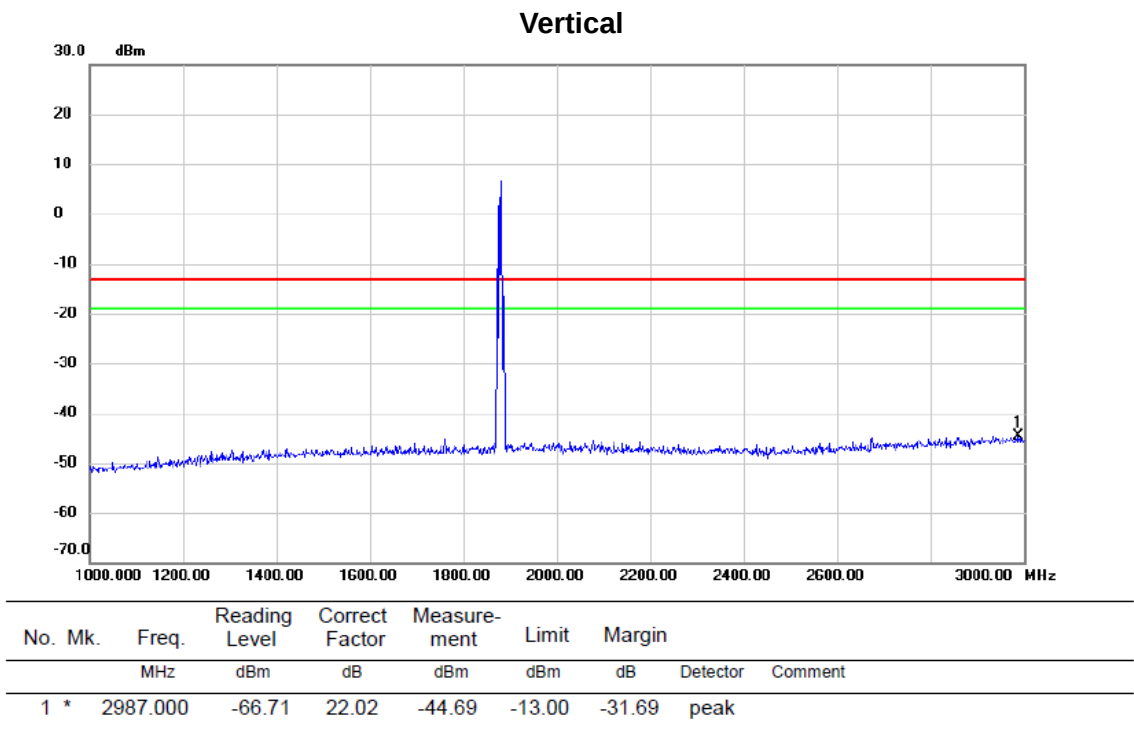
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 25684.000    | -67.14                  | 22.83                   | -44.31                  | -13.00       | -31.31       | peak     |         |

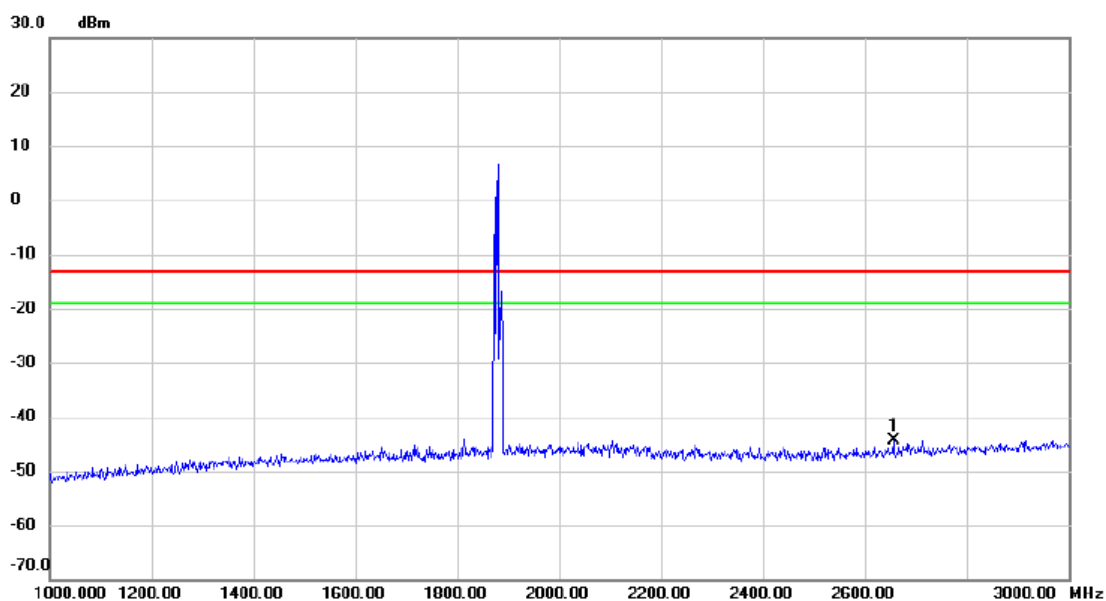
Test Mode:

PCS1900\_TX CH661\_EDGE\_without Earphone



Test Mode: PCS1900\_TX CH661\_EDGE\_without Earphone

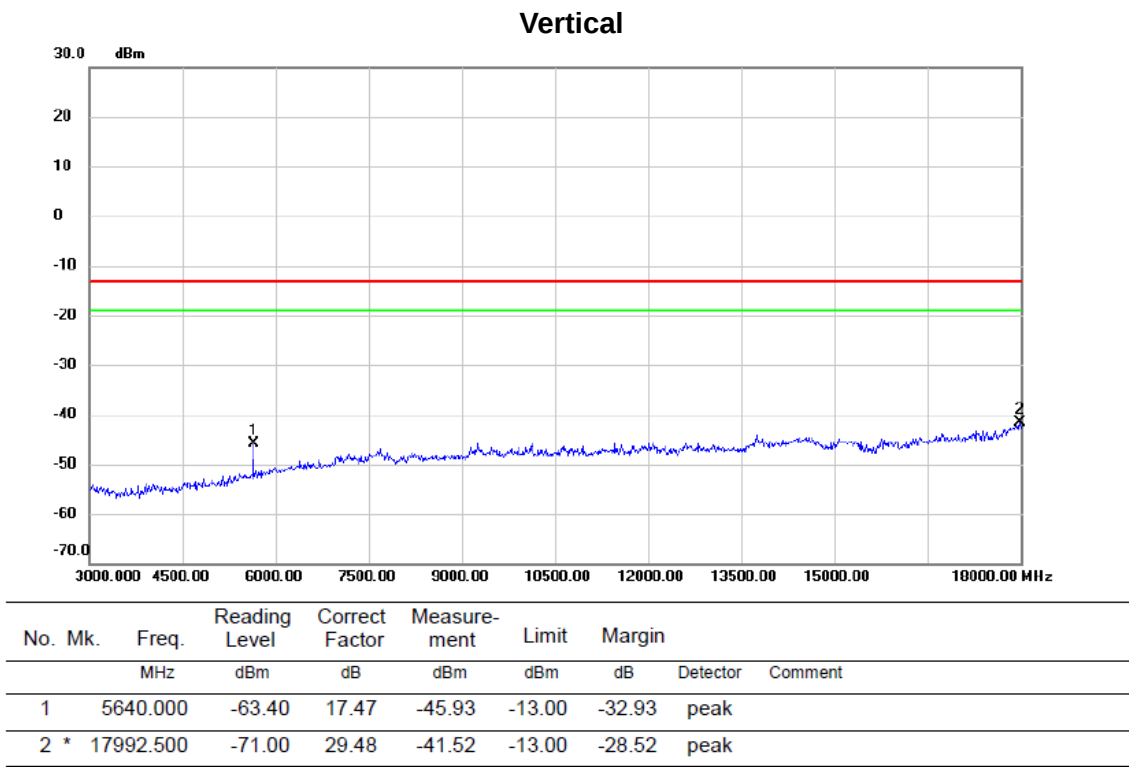
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 2656.000     | -64.32                  | 19.99                   | -44.33                  | -13.00       | -31.33       | peak     |         |

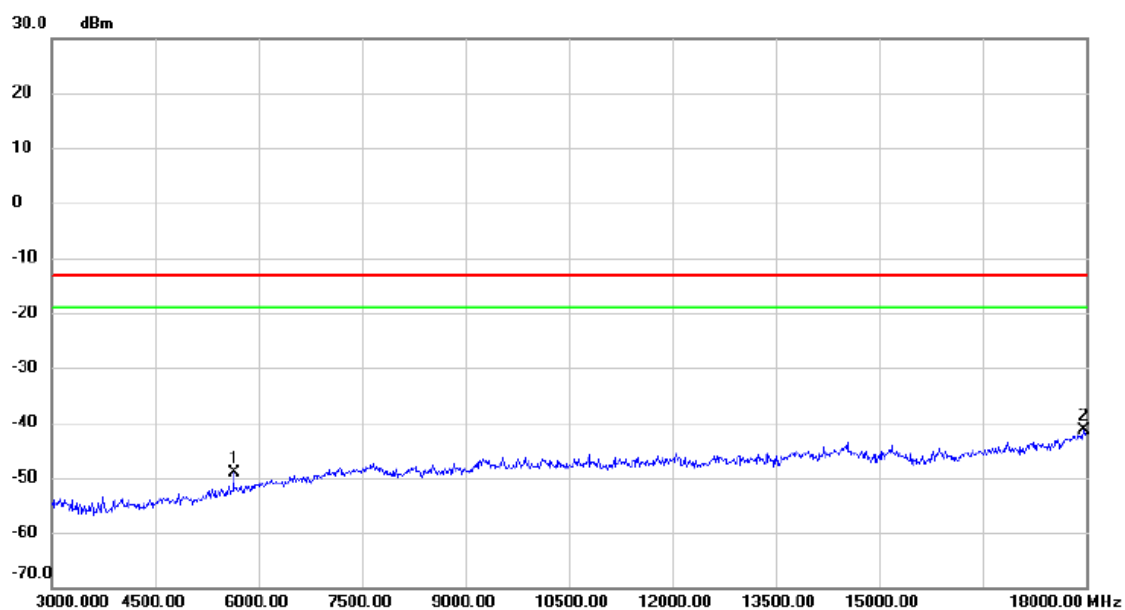
Test Mode:

PCS1900\_TX CH661\_EDGE\_without Earphone



Test Mode: PCS1900\_TX CH661\_EDGE\_without Earphone

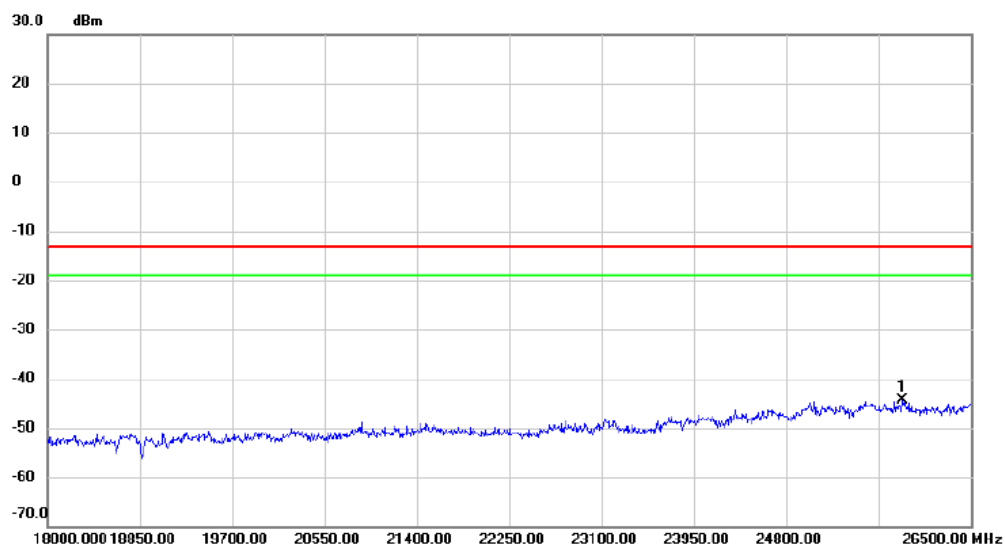
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 5640.000     | -66.56                  | 17.47                   | -49.09                  | -13.00       | -36.09       | peak     |         |
| 2   | *   | 17970.000    | -70.75                  | 29.42                   | -41.33                  | -13.00       | -28.33       | peak     |         |

Test Mode: PCS1900\_TX CH661\_EDGE\_without Earphone

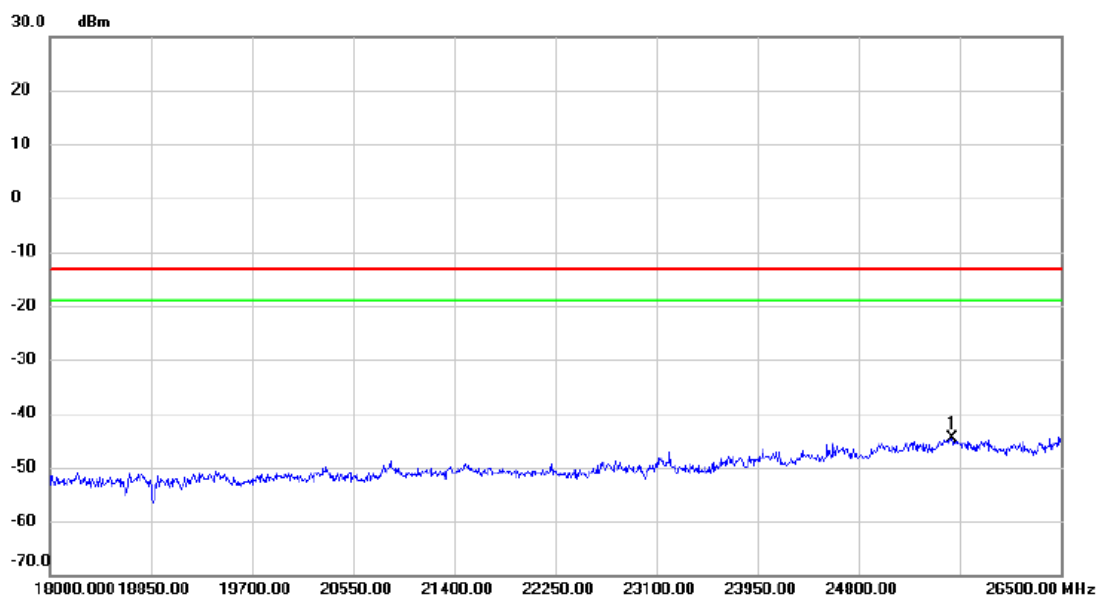
**Vertical**



| No. Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Margin | Detector | Comment |
|---------|-----------|---------------|----------------|-------------|--------|--------|----------|---------|
|         | MHz       | dBm           | dB             | dBm         | dBm    | dB     |          |         |
| 1 *     | 25871.000 | -67.01        | 22.62          | -44.39      | -13.00 | -31.39 | peak     |         |

Test Mode: PCS1900\_TX CH661\_EDGE\_without Earphone

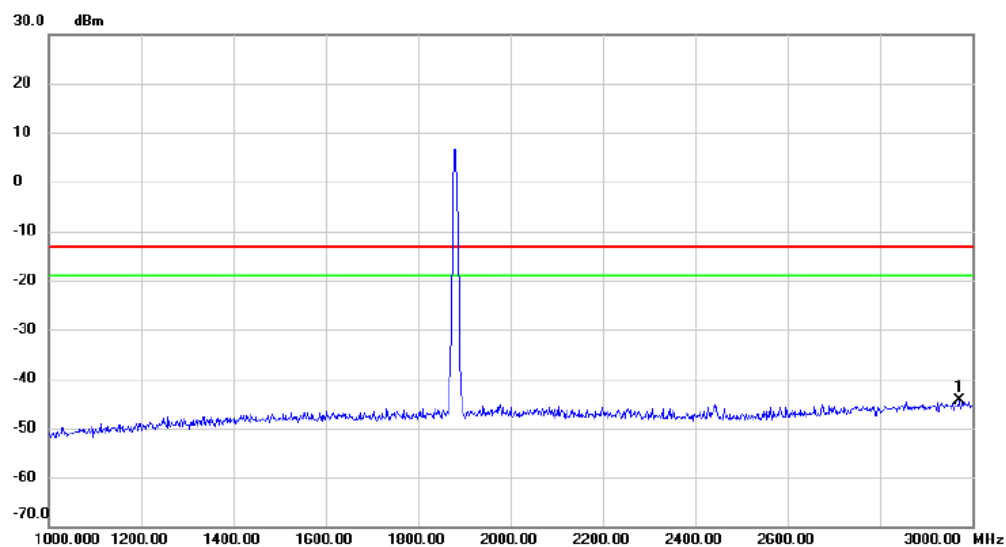
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 25586.250    | -67.52                  | 22.95                   | -44.57                  | -13.00       | -31.57       | peak     |         |

Test Mode: WCDMA Band II\_TX CH9400

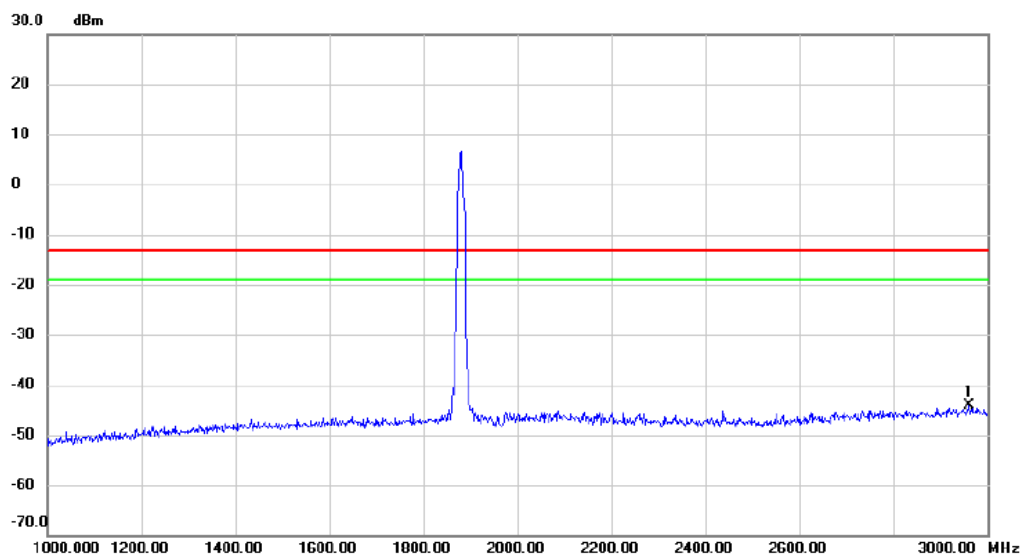
### Vertical



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 2971.000     | -66.39                  | 21.92                   | -44.47                  | -13.00       | -31.47       | peak     |         |

|            |                         |
|------------|-------------------------|
| Test Mode: | WCDMA Band II_TX CH9400 |
|------------|-------------------------|

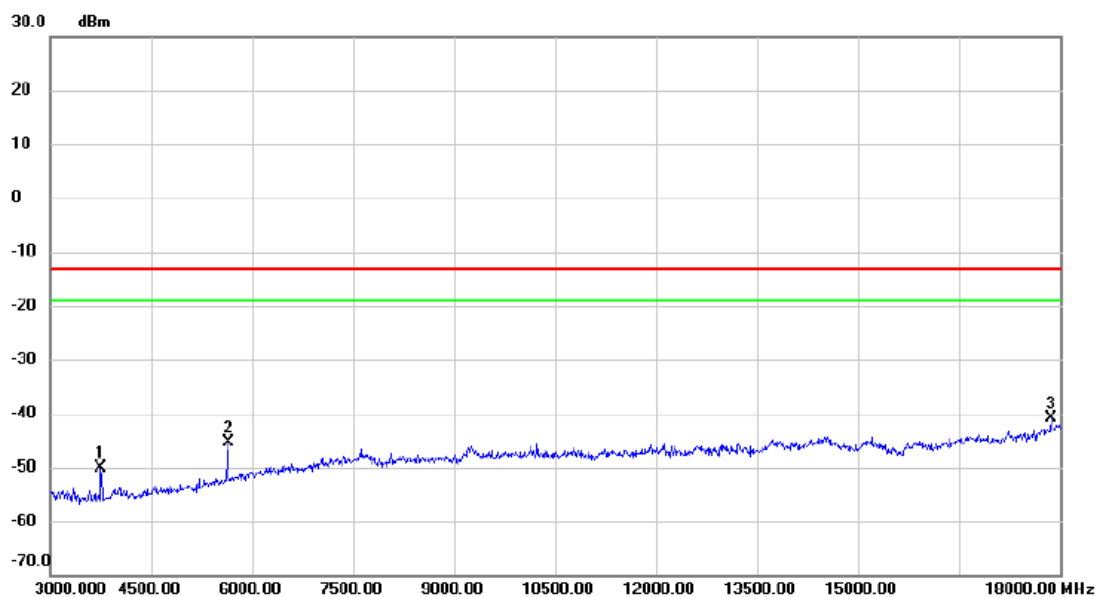
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 2961.000     | -66.09                  | 21.86                   | -44.23                  | -13.00       | -31.23       | peak     |         |

Test Mode: WCDMA Band II\_TX CH9400

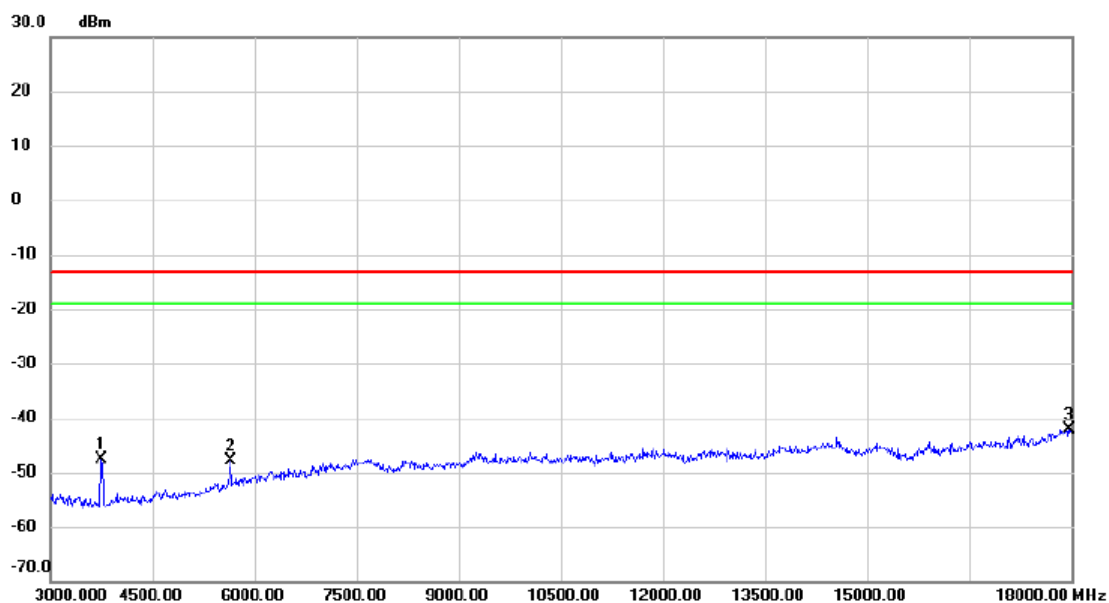
### Vertical



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 3757.500     | -62.86                  | 12.76                   | -50.10                  | -13.00       | -37.10       | peak     |         |
| 2   |     | 5640.000     | -62.93                  | 17.47                   | -45.46                  | -13.00       | -32.46       | peak     |         |
| 3   | *   | 17865.000    | -69.99                  | 29.10                   | -40.89                  | -13.00       | -27.89       | peak     |         |

Test Mode: WCDMA Band II\_TX CH9400

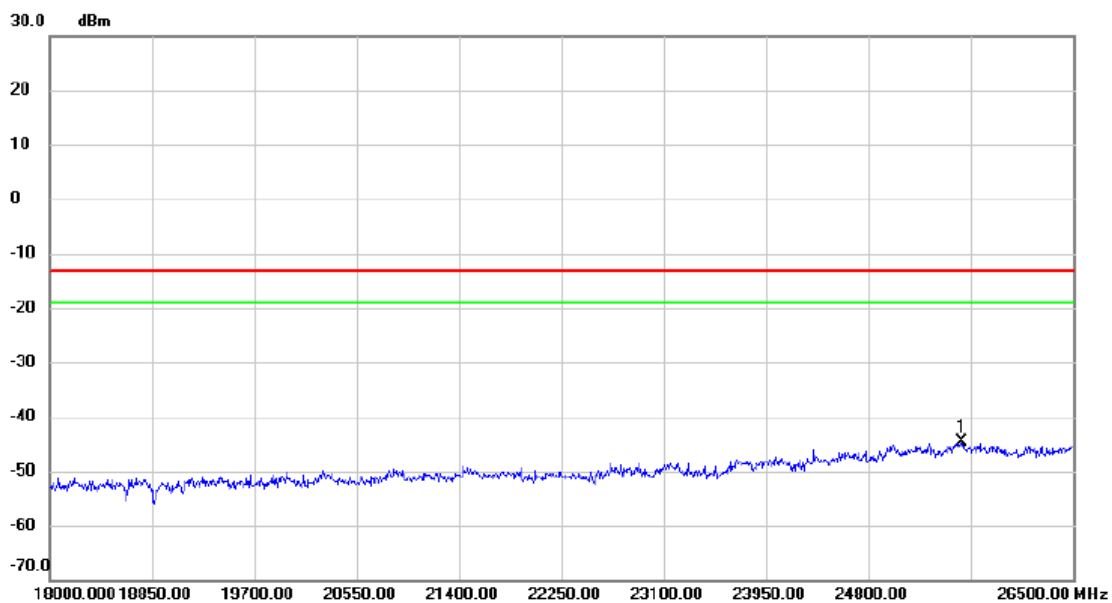
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 3757.500     | -60.43                  | 12.76                   | -47.67                  | -13.00       | -34.67       | peak     |         |
| 2   |     | 5640.000     | -65.23                  | 17.47                   | -47.76                  | -13.00       | -34.76       | peak     |         |
| 3   | *   | 17977.500    | -71.66                  | 29.44                   | -42.22                  | -13.00       | -29.22       | peak     |         |

|            |                         |
|------------|-------------------------|
| Test Mode: | WCDMA Band II_TX CH9400 |
|------------|-------------------------|

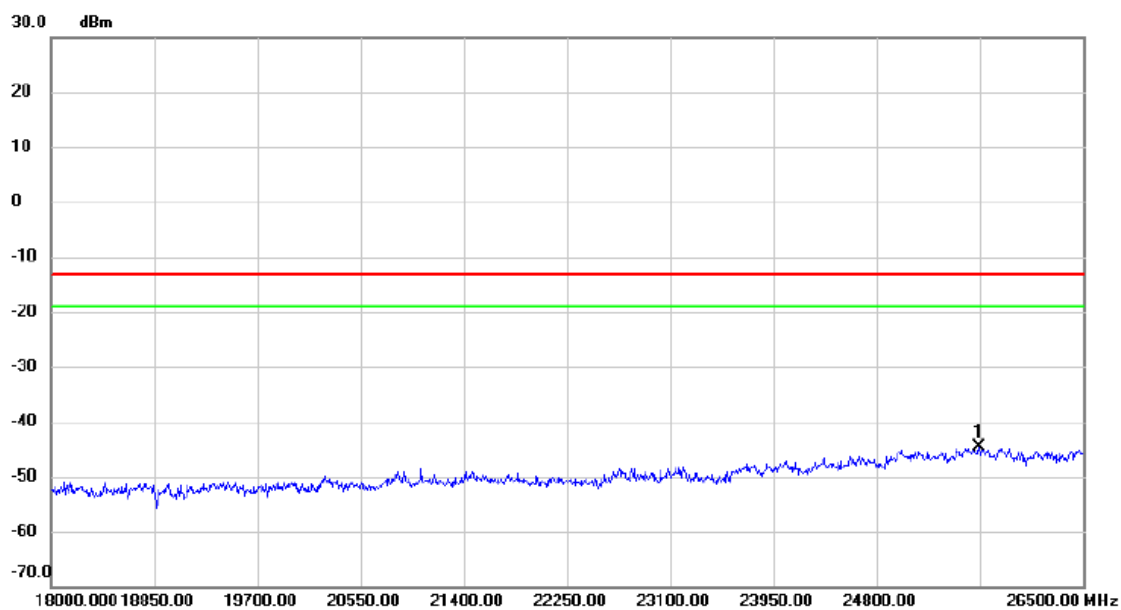
### Vertical



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 25577.750    | -67.46                  | 22.96                   | -44.50                  | -13.00       | -31.50       | peak     |         |

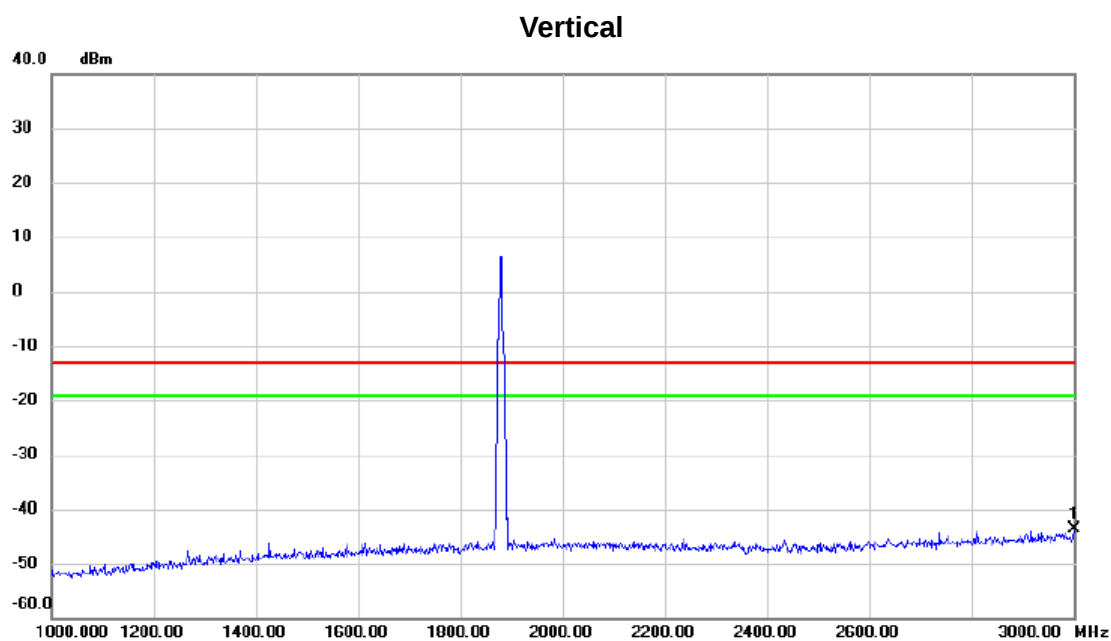
Test Mode: WCDMA Band II\_TX CH9400

### Horizontal



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz       | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 25645.750 | -67.42        | 22.88          | -44.54      | -13.00 | -31.54 | peak     |         |

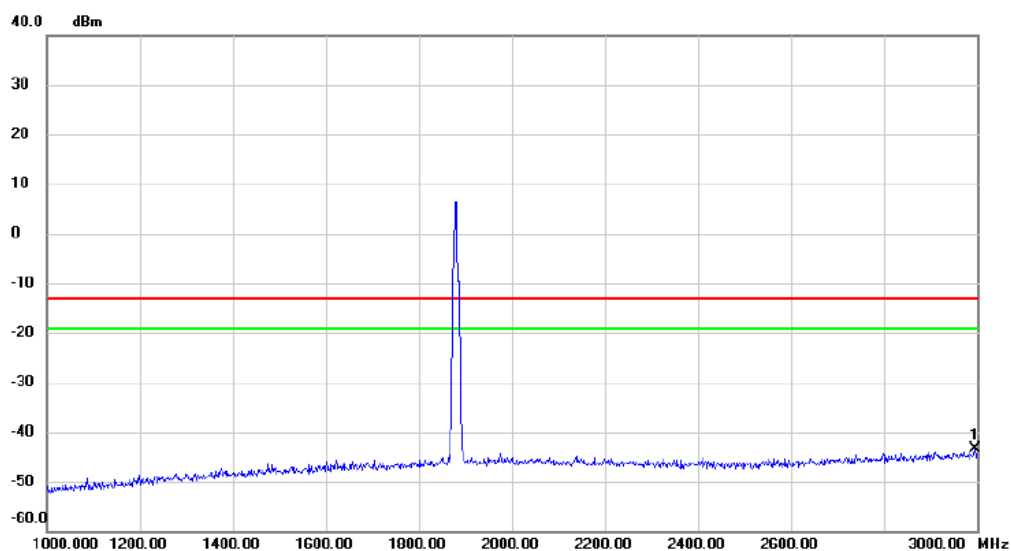
Test Mode: LTE Band 2\_TX CH18900\_1.4M



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 3000.000 | -65.66        | 22.15          | -43.51      | -13.00 | -30.51 | peak     |         |

|            |                            |
|------------|----------------------------|
| Test Mode: | LTE Band 2_TX CH18900_1.4M |
|------------|----------------------------|

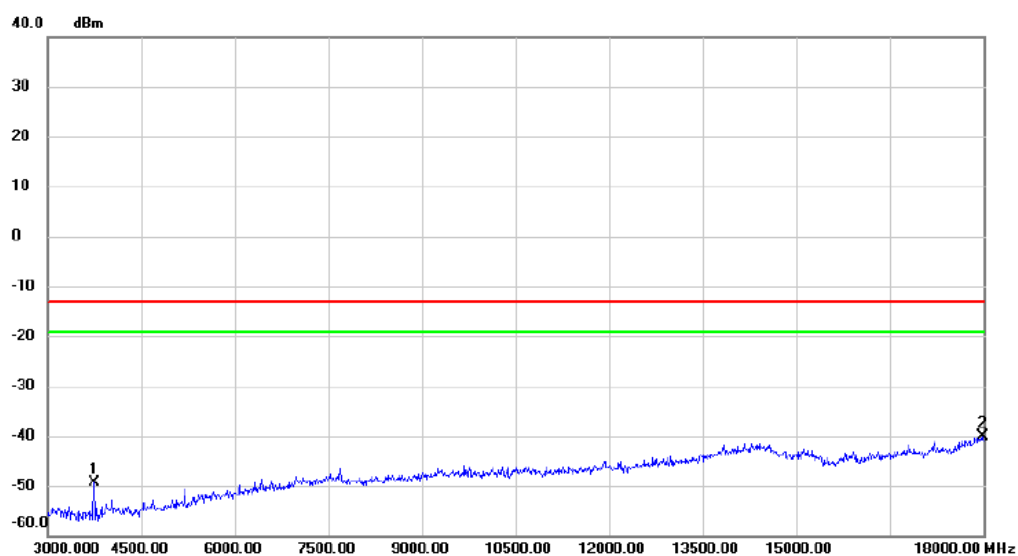
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 2997.000     | -65.56                  | 22.13                   | -43.43                  | -13.00       | -30.43       | peak     |         |

Test Mode: LTE Band 2\_TX CH18900\_1.4M

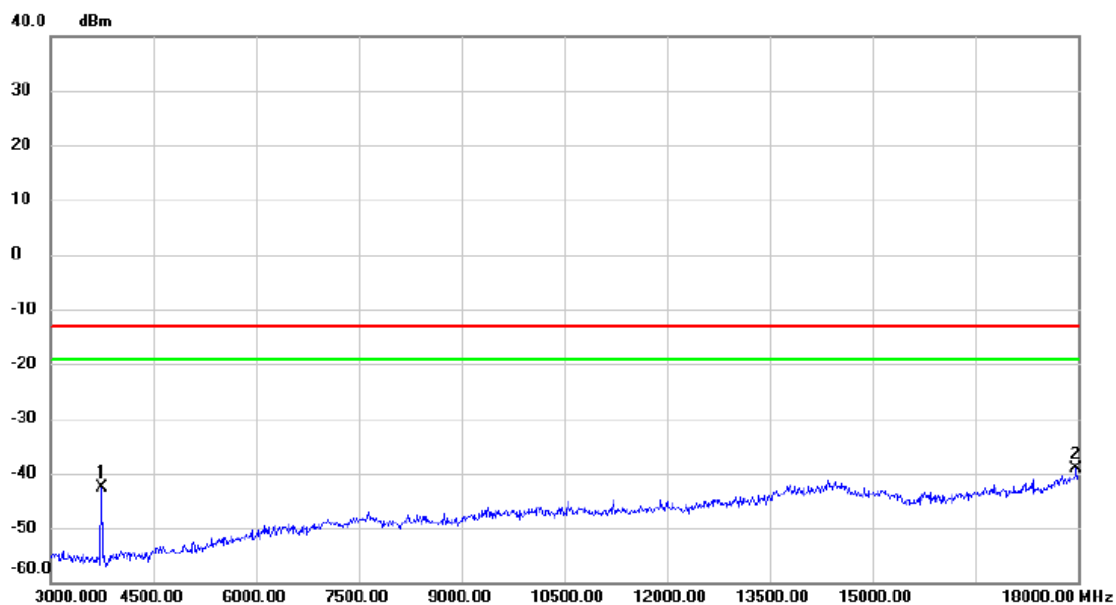
### Vertical



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 3757.500     | -62.10                  | 12.84                   | -49.26                  | -13.00       | -36.26       | peak     |         |
| 2   | *   | 17992.500    | -71.00                  | 30.98                   | -40.02                  | -13.00       | -27.02       | peak     |         |

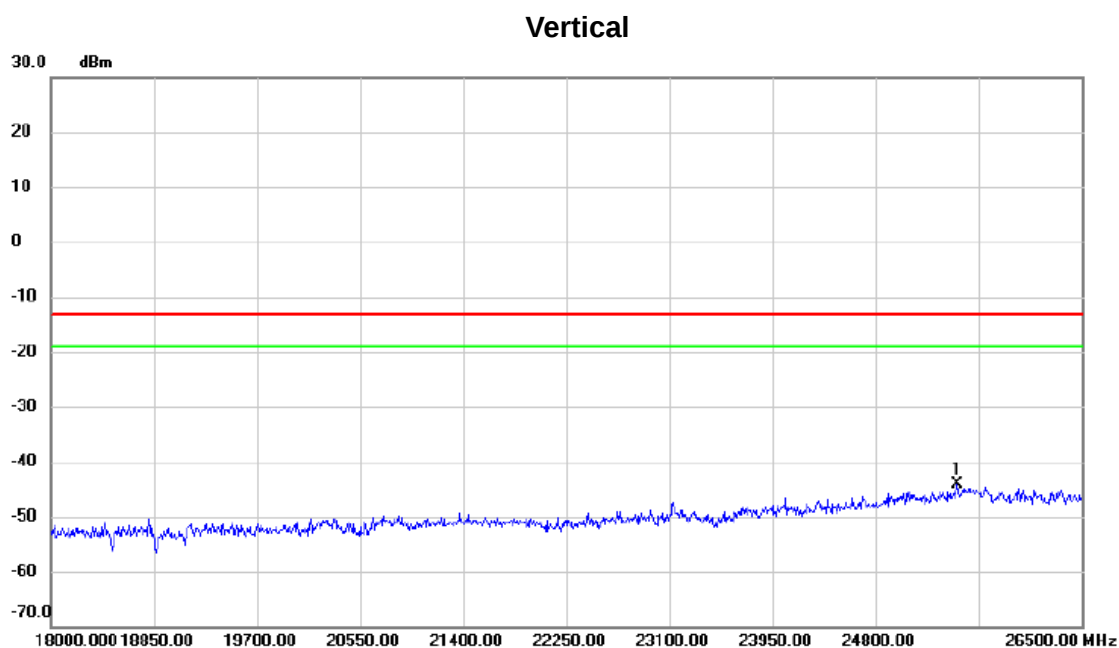
Test Mode: LTE Band 2\_TX CH18900\_1.4M

### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 3757.500     | -55.51                  | 12.84                   | -42.67                  | -13.00       | -29.67       | peak     |         |
| 2   | *   | 17970.000    | -70.08                  | 30.92                   | -39.16                  | -13.00       | -26.16       | peak     |         |

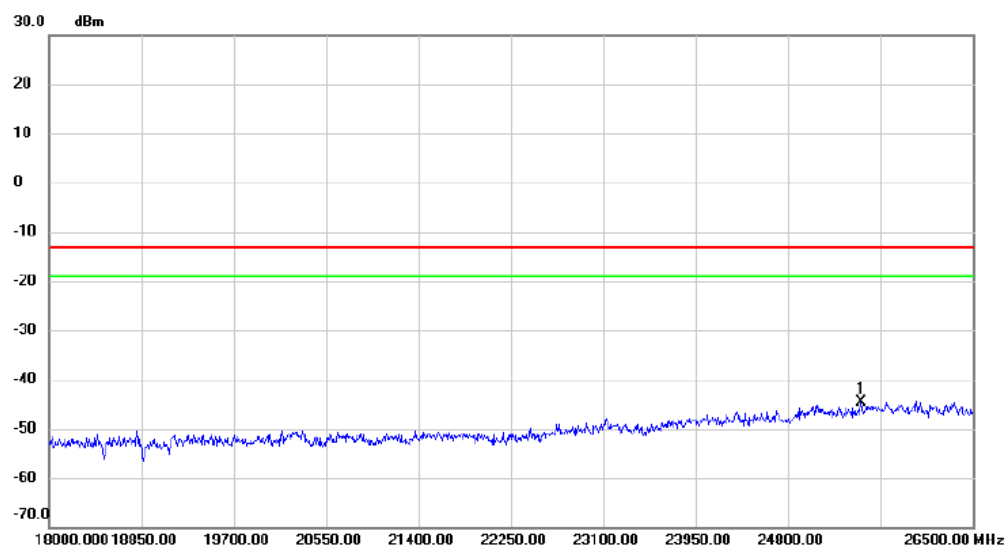
|            |                            |
|------------|----------------------------|
| Test Mode: | LTE Band 2_TX CH18900_1.4M |
|------------|----------------------------|



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz       | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 25471.500 | -67.11        | 23.02          | -44.09      | -13.00 | -31.09 | peak     |         |

|            |                            |
|------------|----------------------------|
| Test Mode: | LTE Band 2_TX CH18900_1.4M |
|------------|----------------------------|

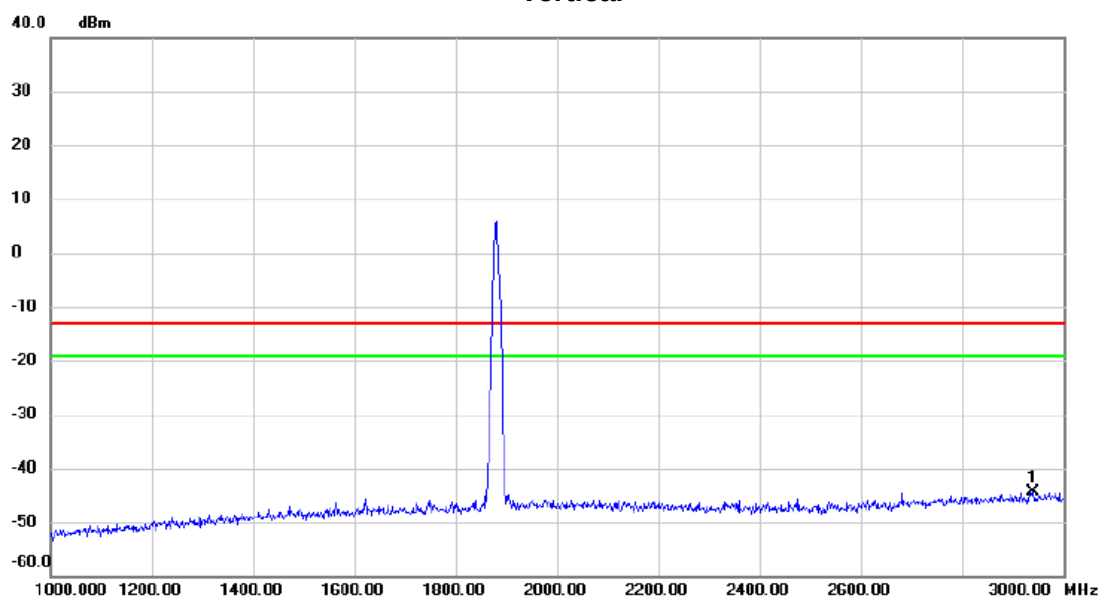
### Horizontal



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Margin | Detector | Comment |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz       | dBm           | dB             | dBm         | dBm    | dB     |          |         |
| 1   | *   | 25471.500 | -67.61        | 23.02          | -44.59      | -13.00 | -31.59 | peak     |         |

Test Mode: LTE Band 2\_ TX CH18900\_5M

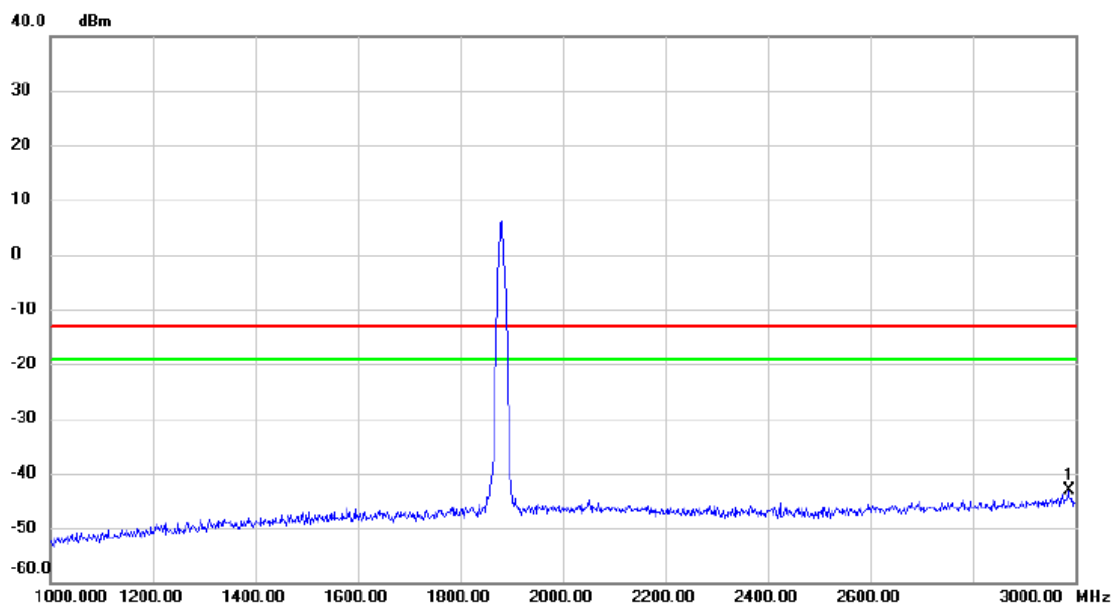
**Vertical**



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 2941.000     | -66.27                  | 21.79                   | -44.48                  | -13.00       | -31.48       | peak     |         |

Test Mode: LTE Band 2\_ TX CH18900\_5M

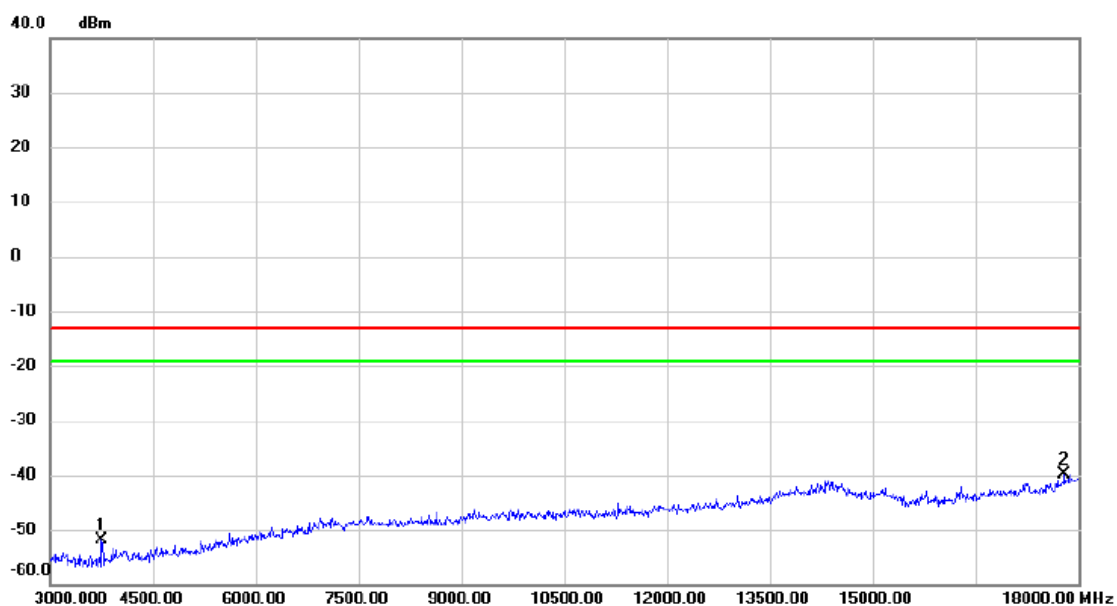
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 2987.000     | -65.26                  | 22.07                   | -43.19                  | -13.00       | -30.19       | peak     |         |

Test Mode: LTE Band 2\_ TX CH18900\_5M

### Vertical

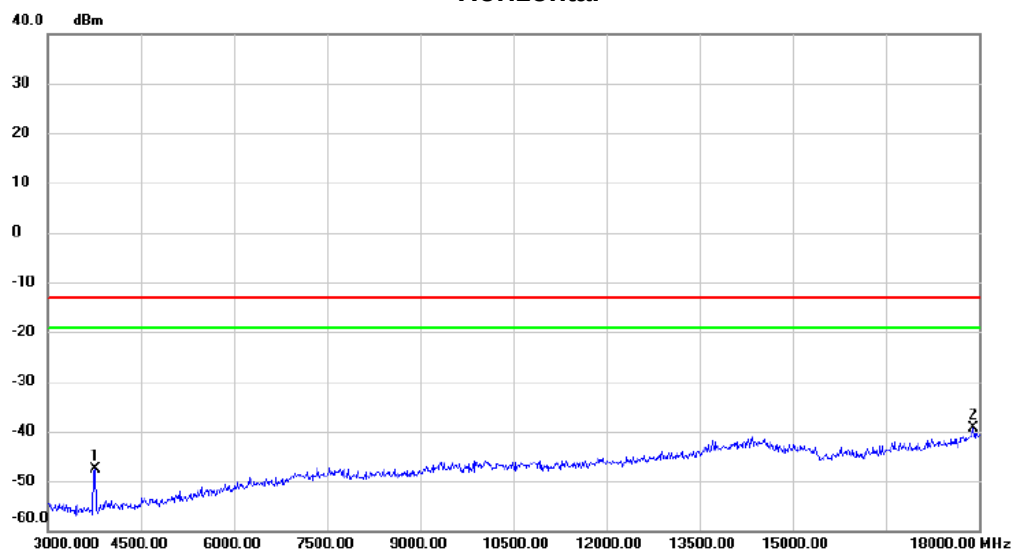


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 3757.500     | -64.67                  | 12.84                   | -51.83                  | -13.00       | -38.83       | peak     |         |
| 2   | *   | 17797.500    | -70.27                  | 30.39                   | -39.88                  | -13.00       | -26.88       | peak     |         |

Test Mode:

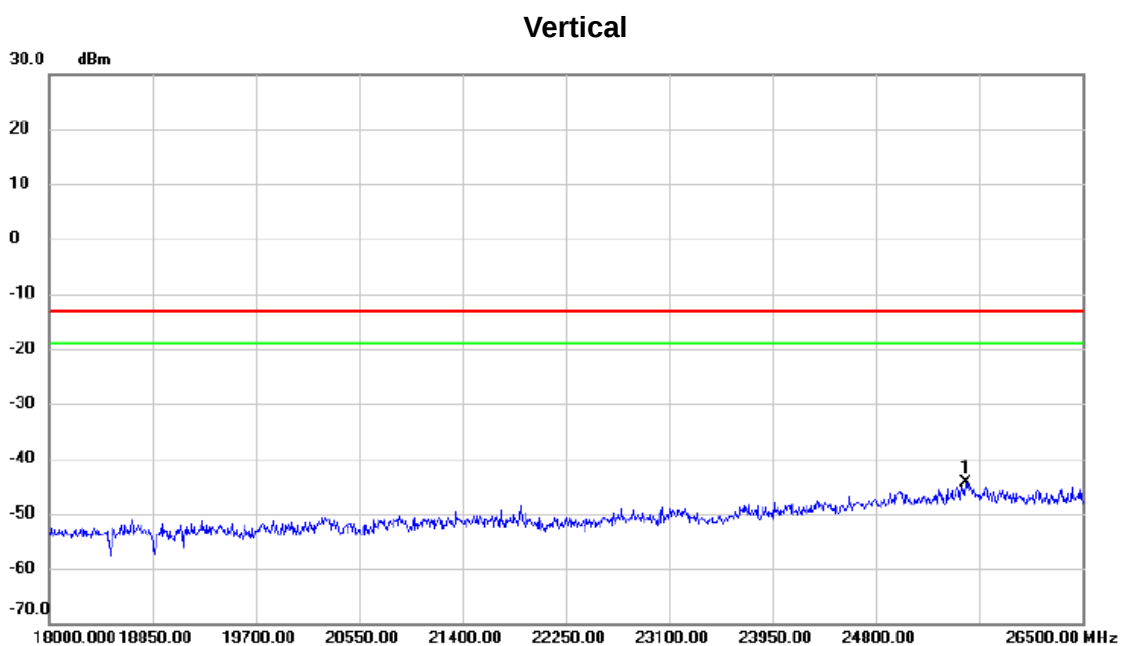
LTE Band 2\_ TX CH18900\_5M

### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 3765.000     | -60.49                  | 12.87                   | -47.62                  | -13.00       | -34.62       | peak     |         |
| 2   | *   | 17917.500    | -70.21                  | 30.76                   | -39.45                  | -13.00       | -26.45       | peak     |         |

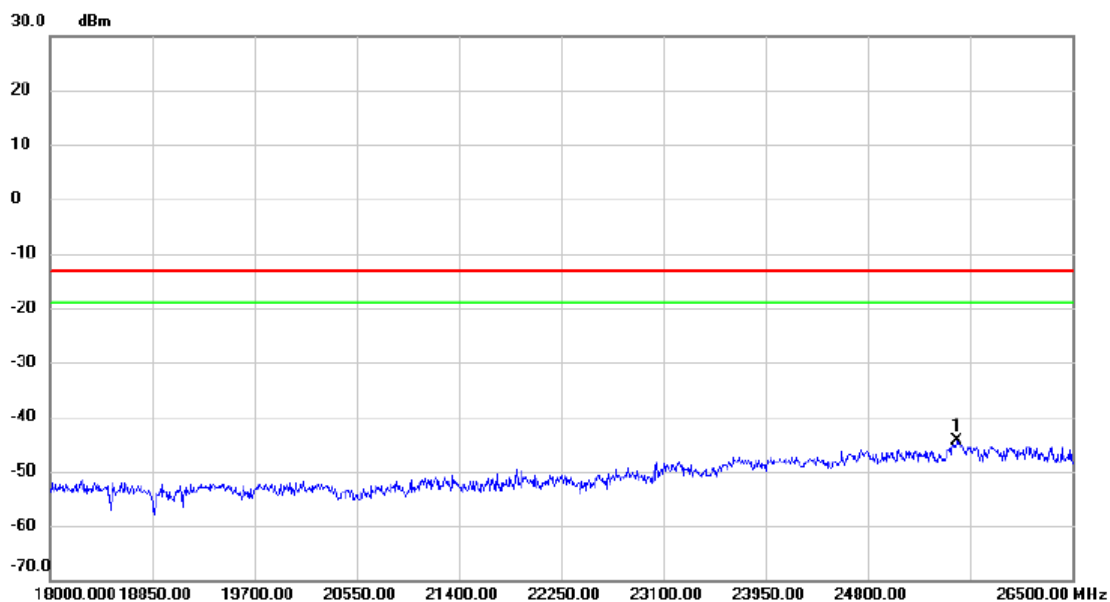
Test Mode: LTE Band 2\_ TX CH18900\_5M



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz       | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 25543.750 | -67.34        | 23.00          | -44.34      | -13.00 | -31.34 | peak     |         |

Test Mode: LTE Band 2\_ TX CH18900\_5M

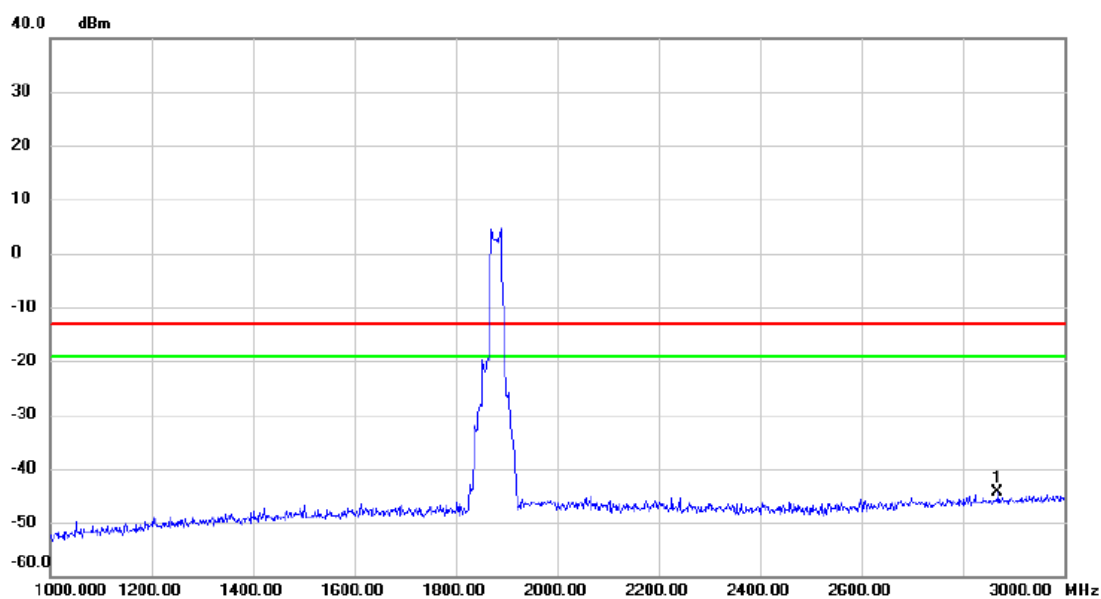
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 25543.750    | -67.34                  | 23.00                   | -44.34                  | -13.00       | -31.34       | peak     |         |

Test Mode: LTE Band 2\_TX CH18900\_20M

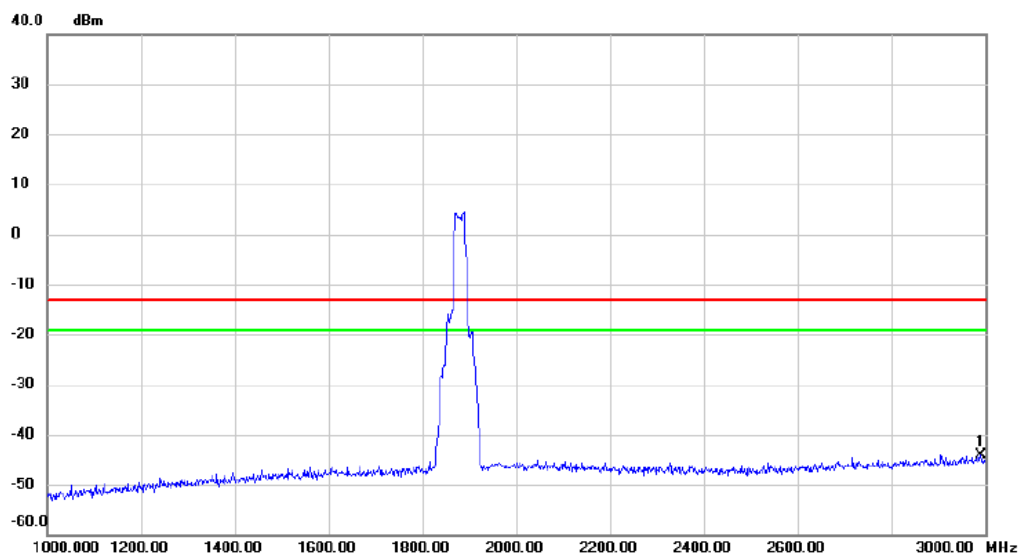
### Vertical



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 2869.000     | -65.75                  | 21.34                   | -44.41                  | -13.00       | -31.41       | peak     |         |

|            |                           |
|------------|---------------------------|
| Test Mode: | LTE Band 2_TX CH18900_20M |
|------------|---------------------------|

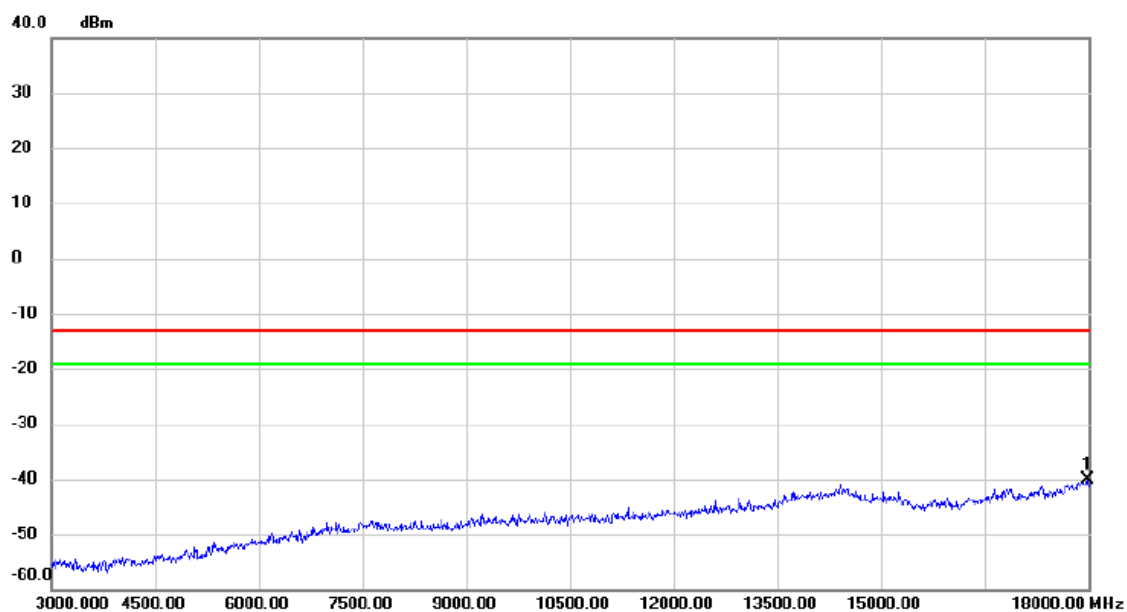
### Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 2990.000 | -66.21        | 22.08          | -44.13      | -13.00 | -31.13 | peak     |         |

|            |                           |
|------------|---------------------------|
| Test Mode: | LTE Band 2_TX CH18900_20M |
|------------|---------------------------|

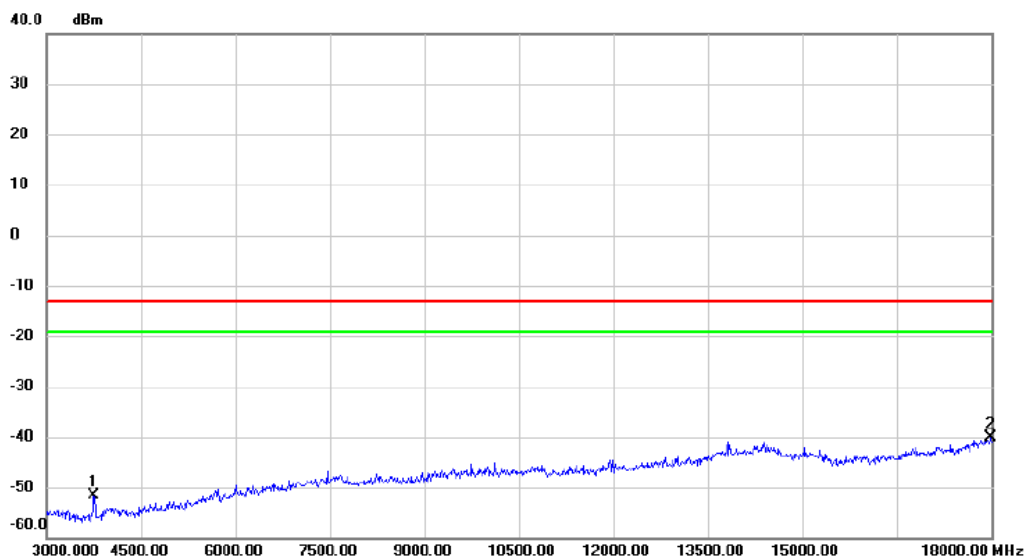
### Vertical



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 17985.000    | -71.07                  | 30.97                   | -40.10                  | -13.00       | -27.10       | peak     |         |

Test Mode: LTE Band 2\_TX CH18900\_20M

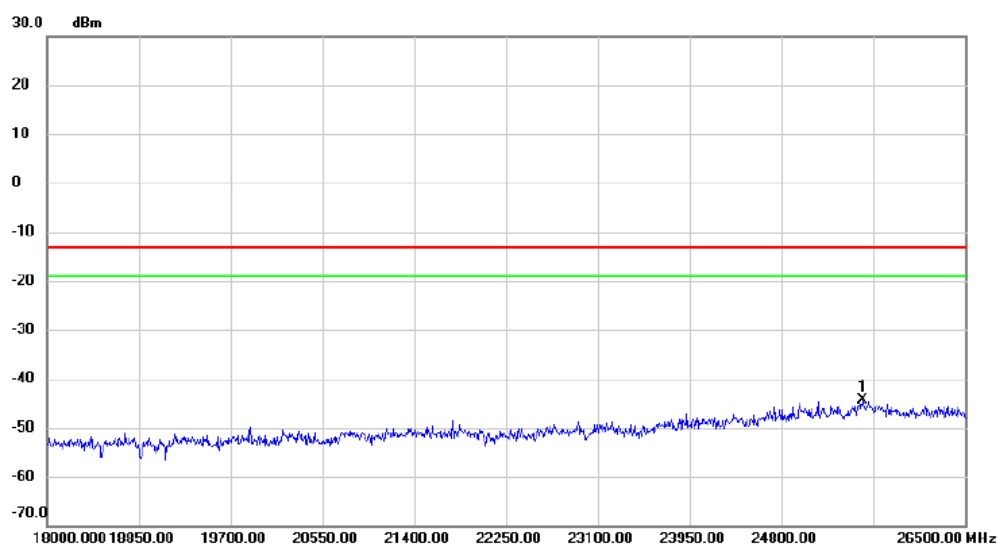
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 3757.500     | -64.57                  | 12.84                   | -51.73                  | -13.00       | -38.73       | peak     |         |
| 2   | *   | 17985.000    | -71.09                  | 30.97                   | -40.12                  | -13.00       | -27.12       | peak     |         |

Test Mode: LTE Band 2\_TX CH18900\_20M

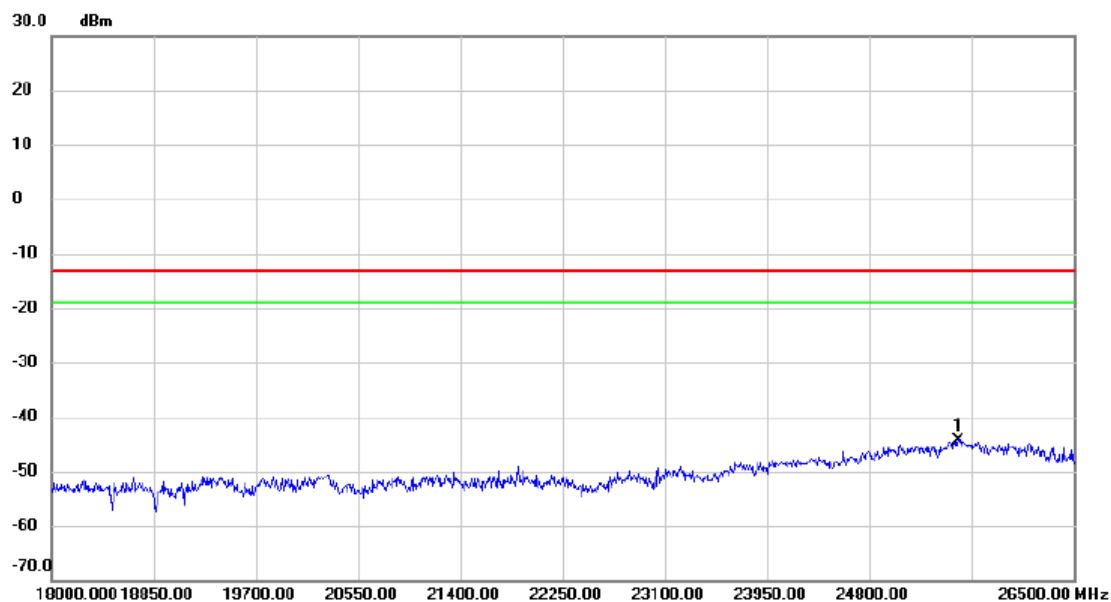
### Vertical



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 25556.500    | -67.24                  | 22.98                   | -44.26                  | -13.00       | -31.26       | peak     |         |

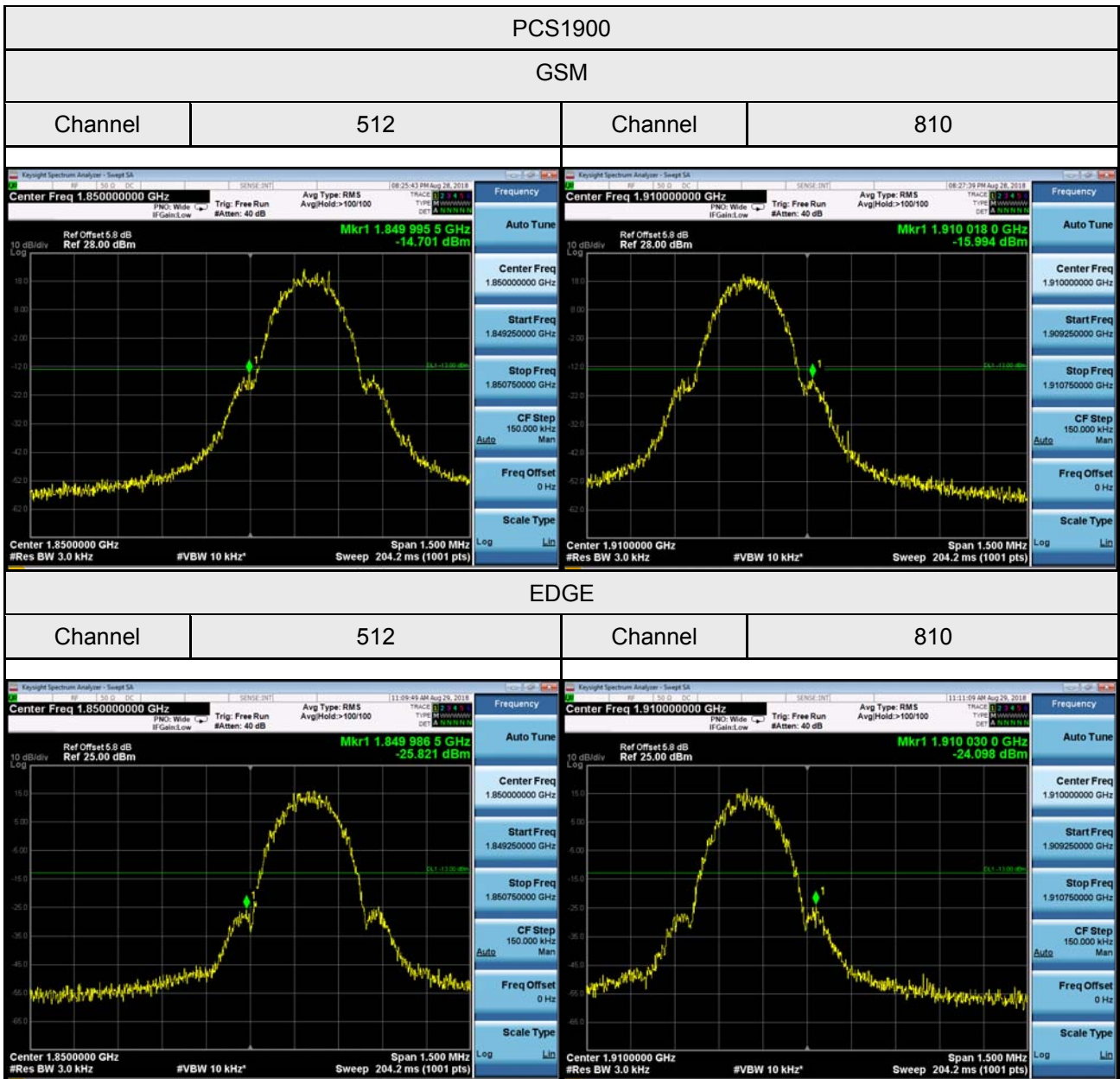
|            |                           |
|------------|---------------------------|
| Test Mode: | LTE Band 2_TX CH18900_20M |
|------------|---------------------------|

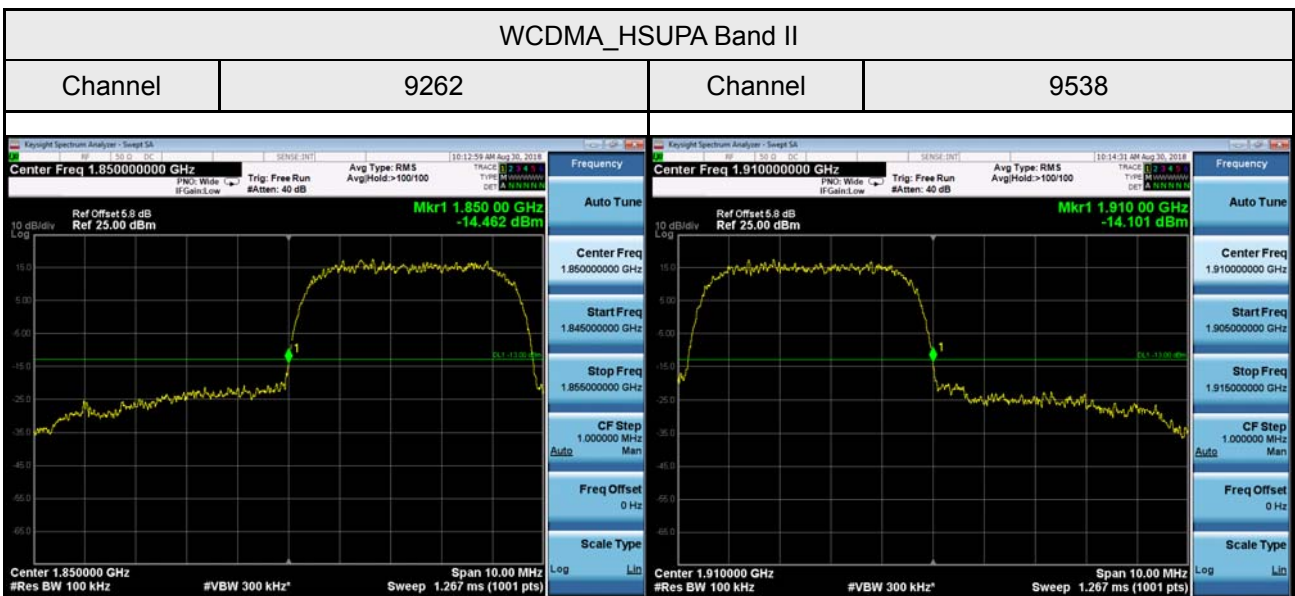
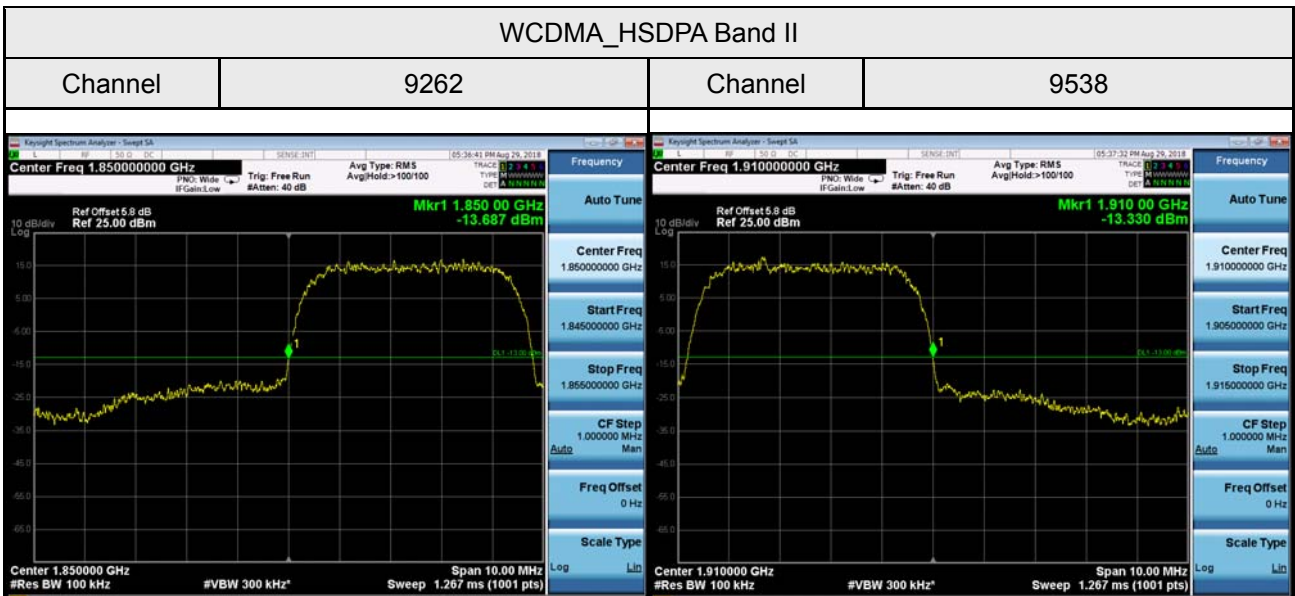
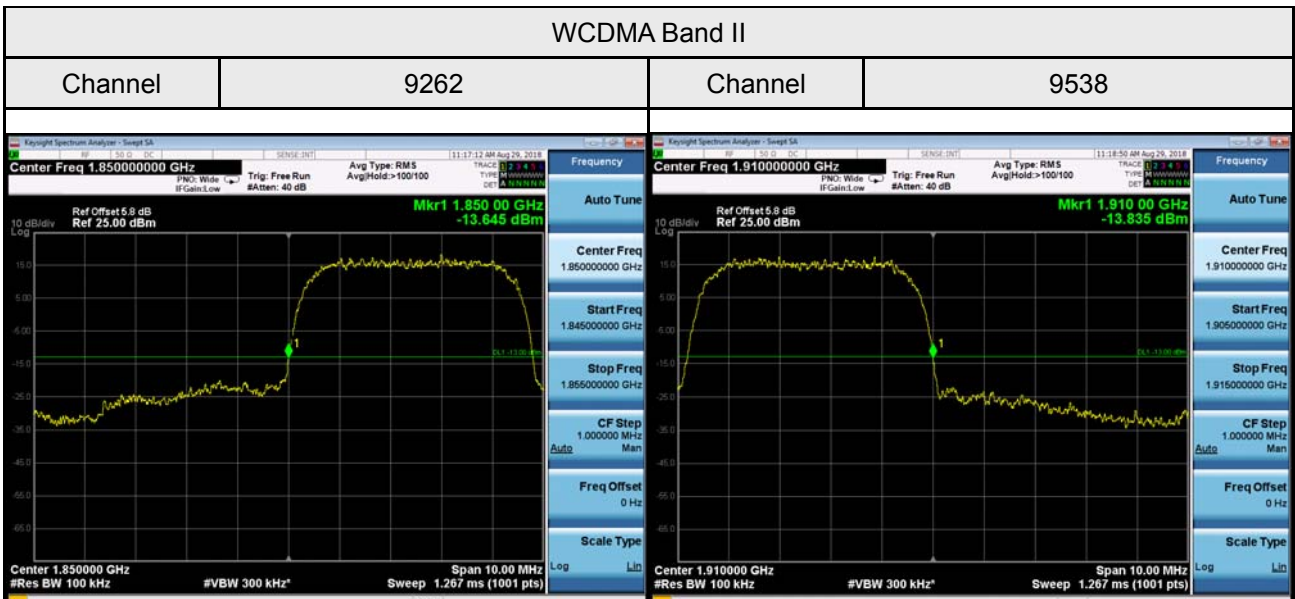
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 25543.750    | -67.34                  | 23.00                   | -44.34                  | -13.00       | -31.34       | peak     |         |

## APPENDIX G - BAND EDGE





LTE Band 2\_1.4M

1RB0

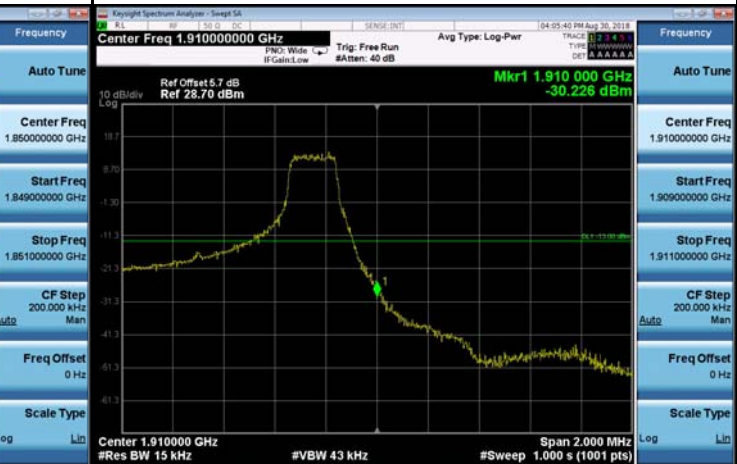
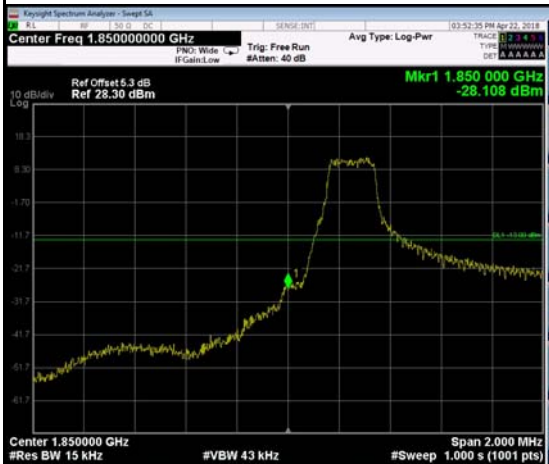
1RB24

Channel

18607

Channel

19193



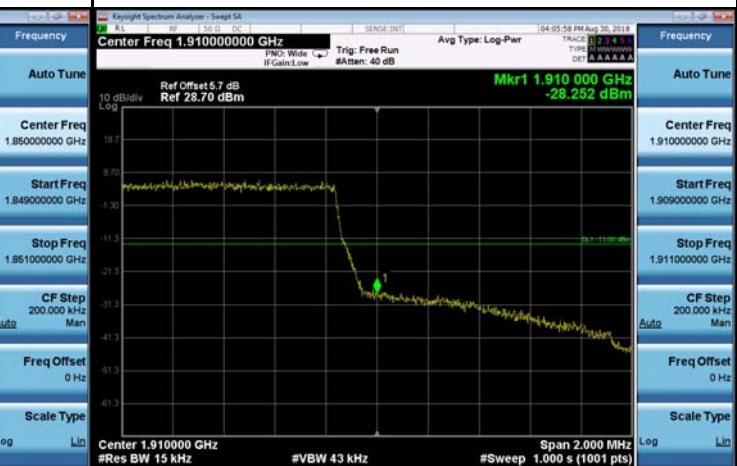
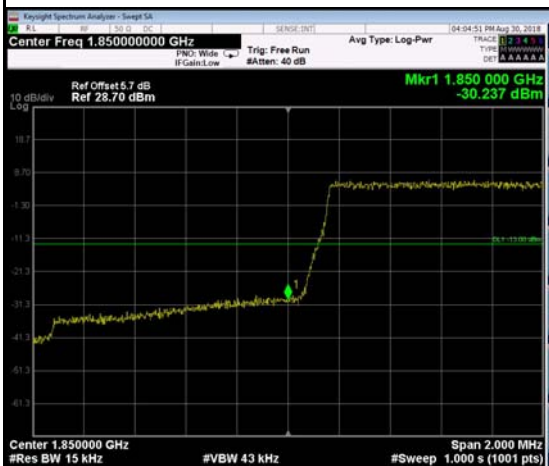
6RB0

Channel

18607

Channel

19193



LTE Band 2\_3M

1RB0

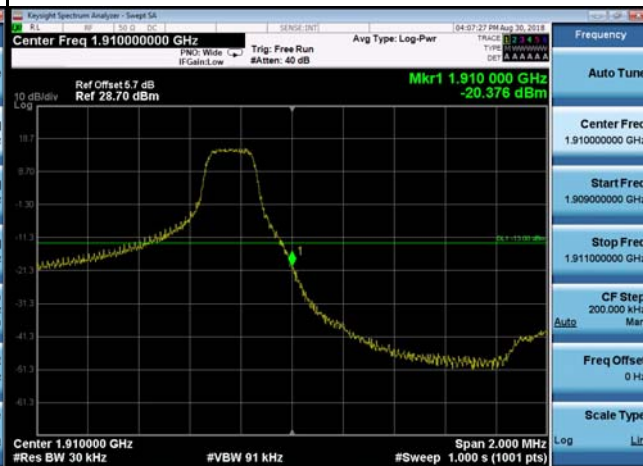
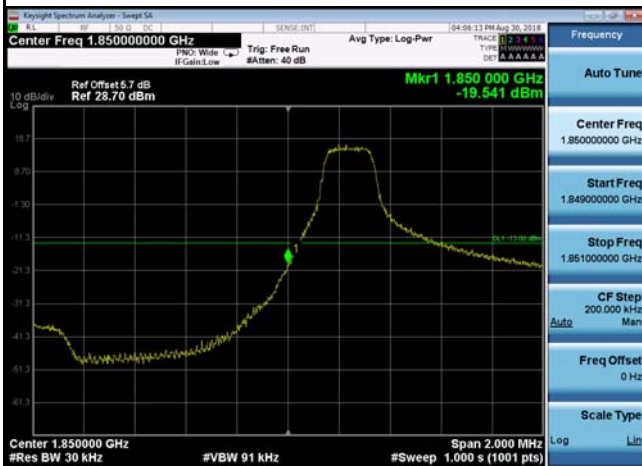
1RB24

Channel

18615

Channel

19185



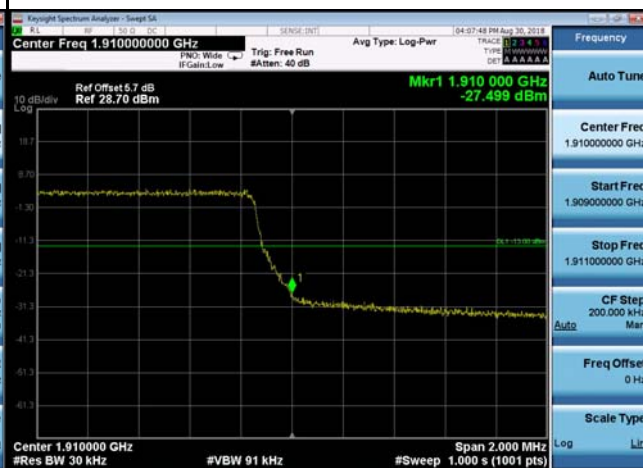
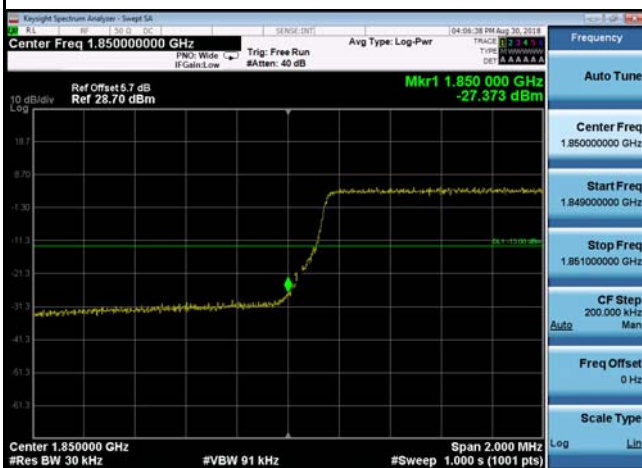
15RB0

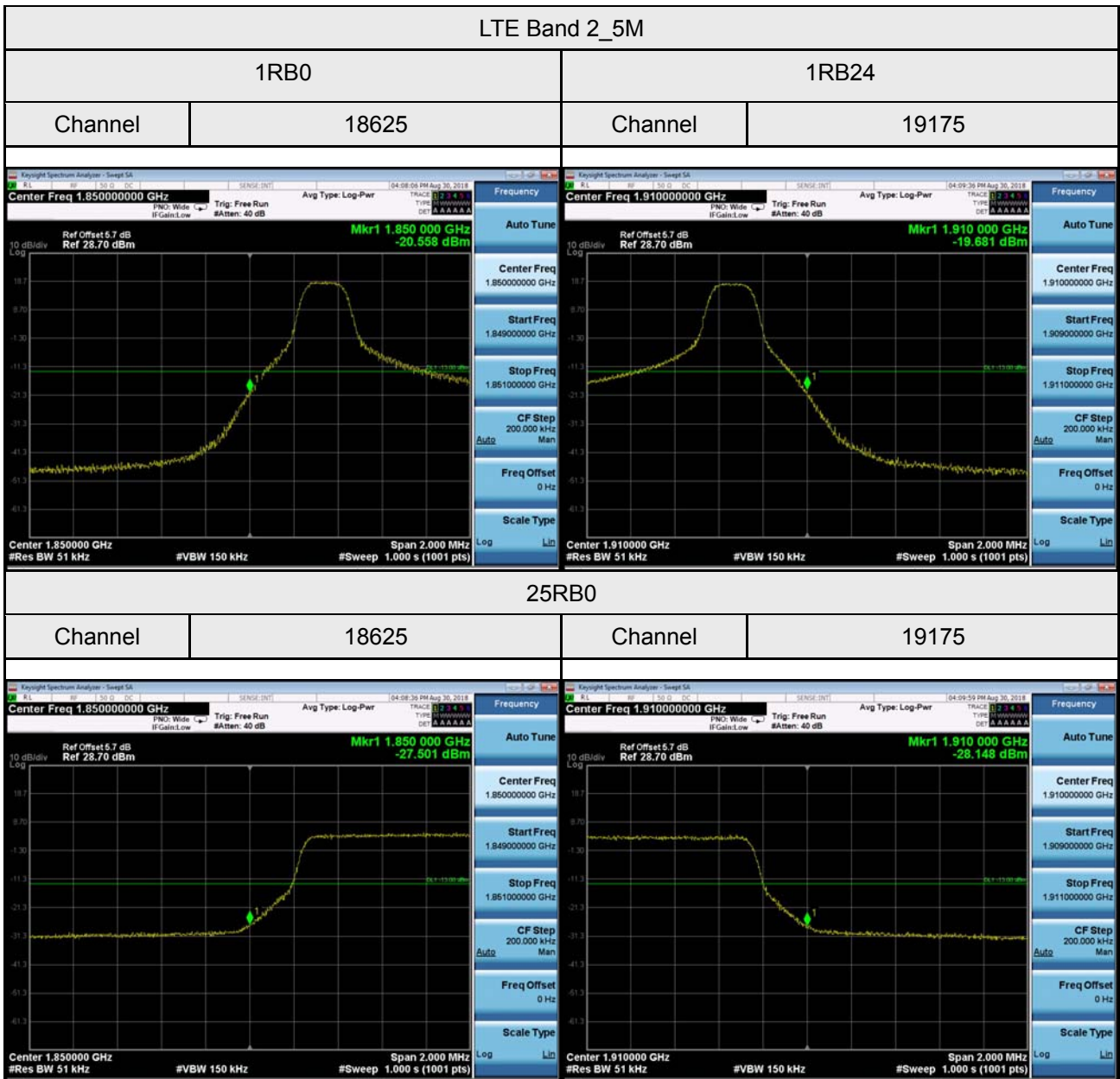
Channel

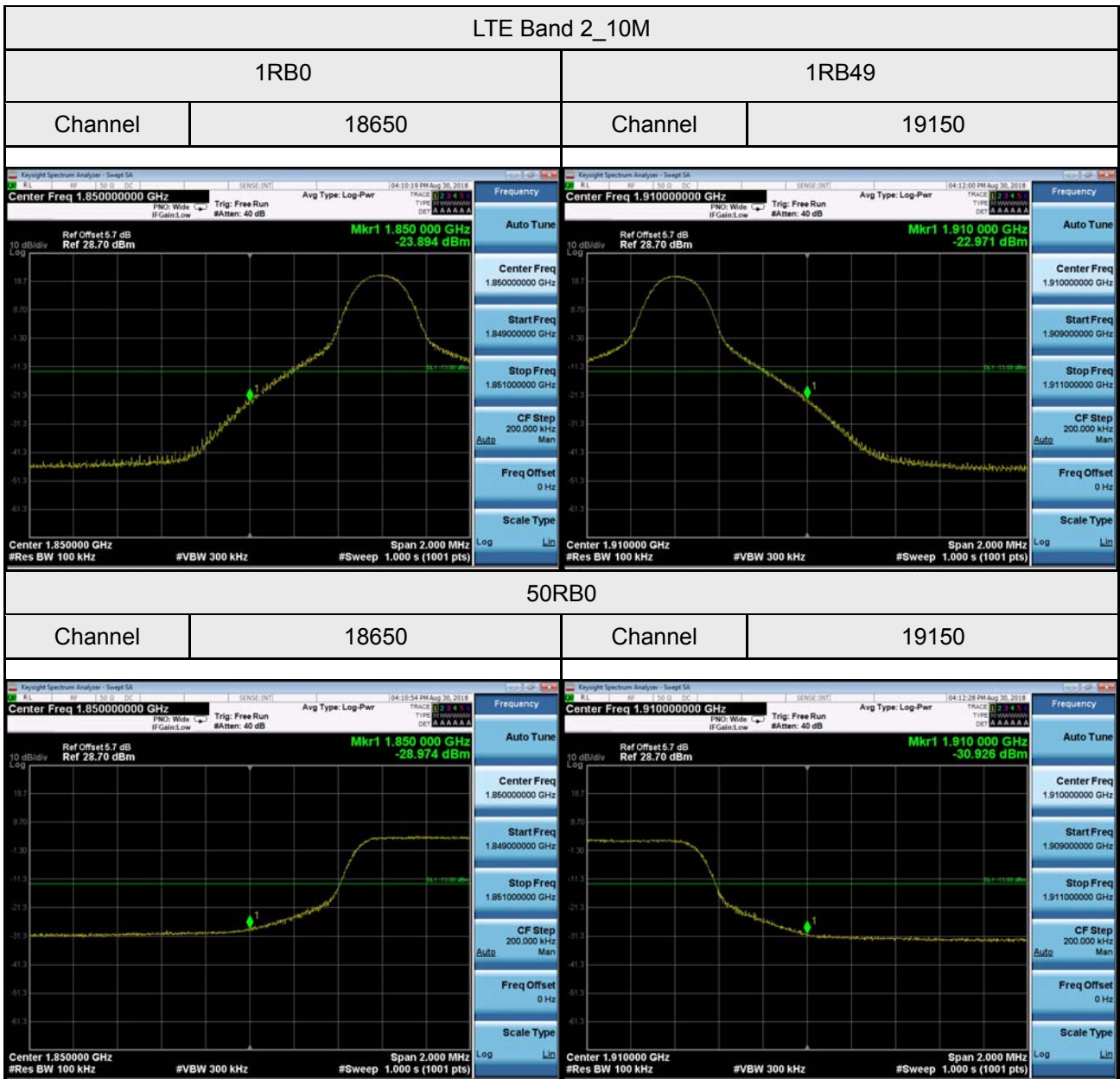
18615

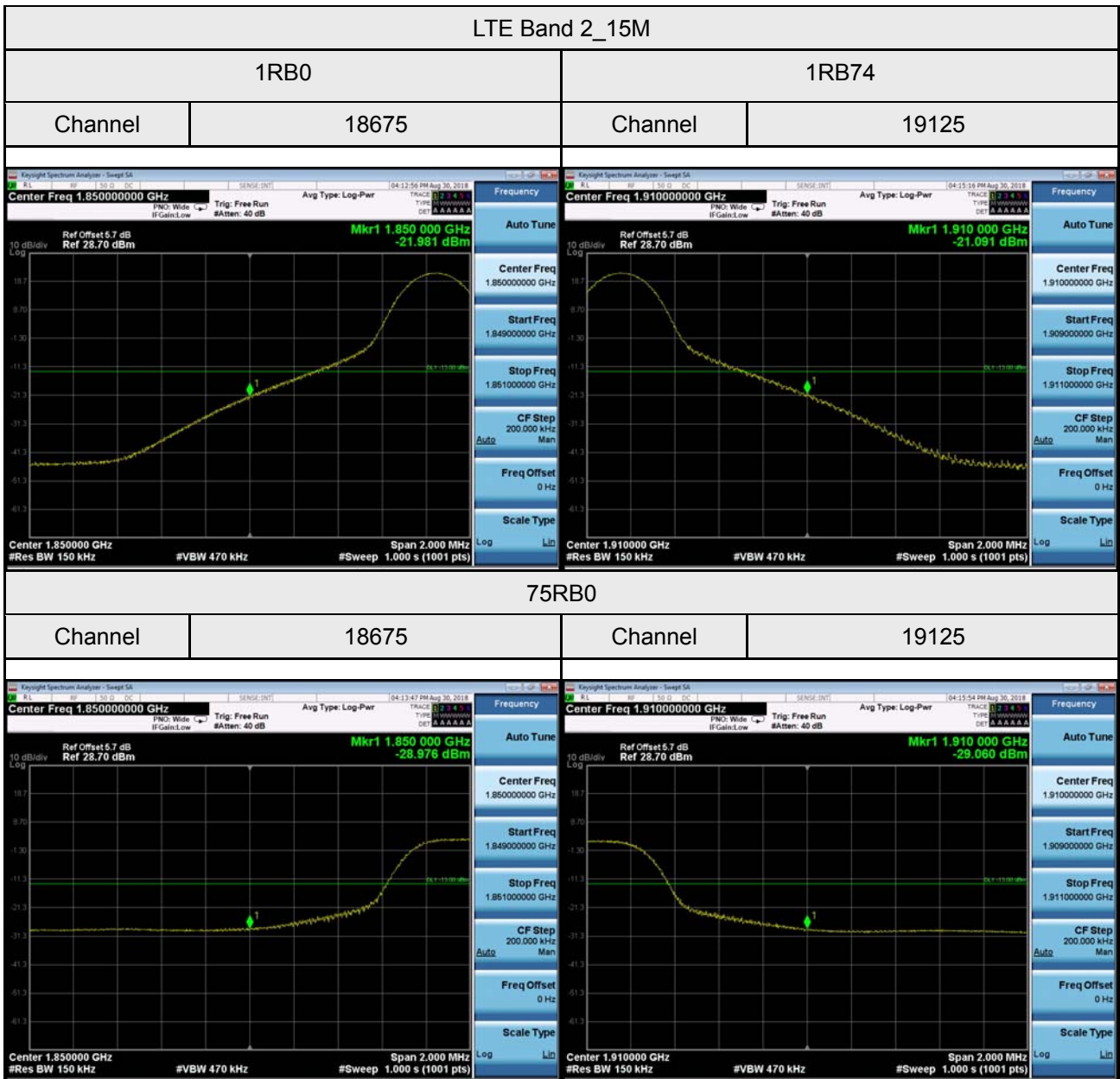
Channel

19185









LTE Band 2\_20M

1RB0

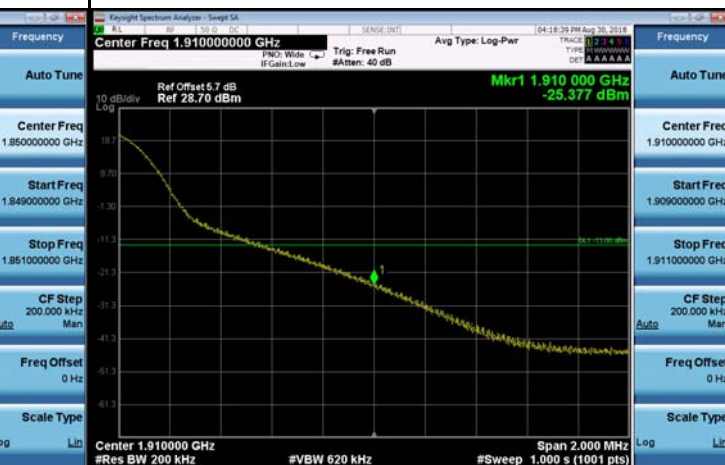
1RB99

Channel

18700

Channel

19100



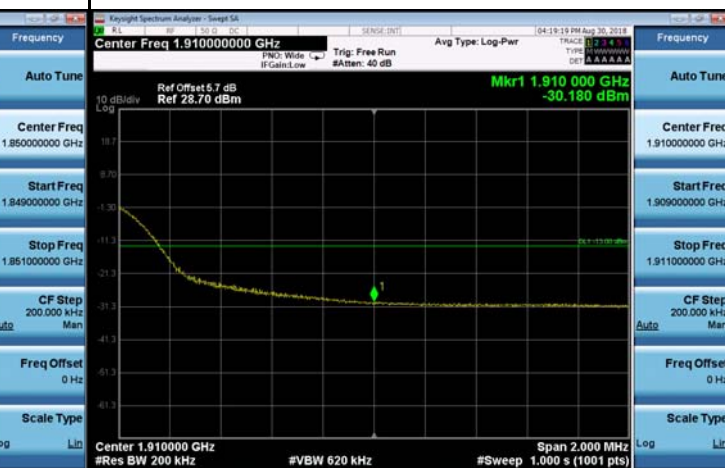
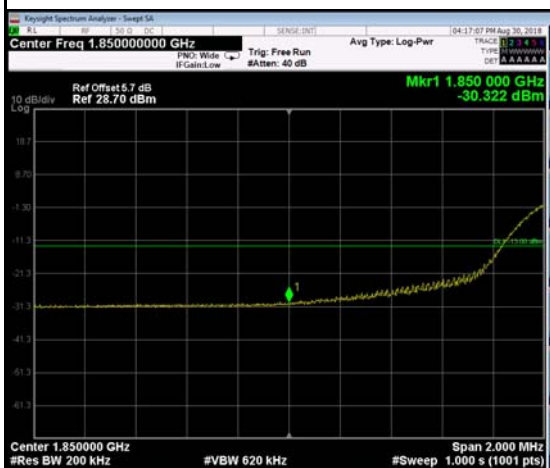
100RB0

Channel

18700

Channel

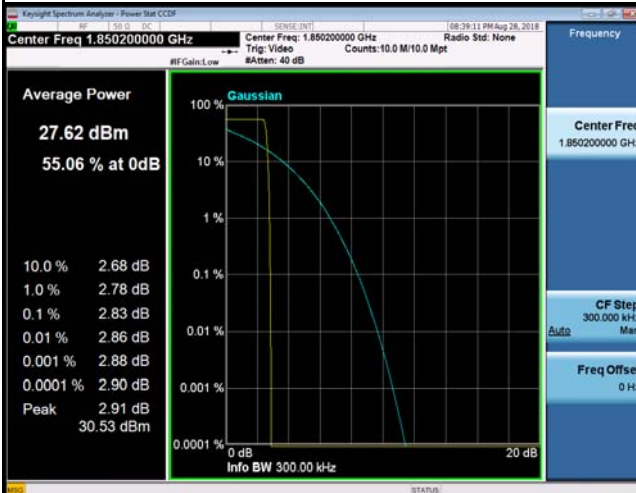
19100



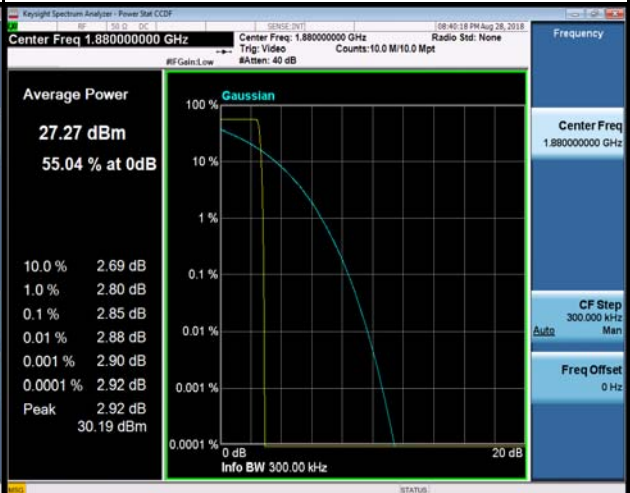
## APPENDIX H - PEAK TO AVERAGE RATIO

# PCS1900 Spectrum Plot

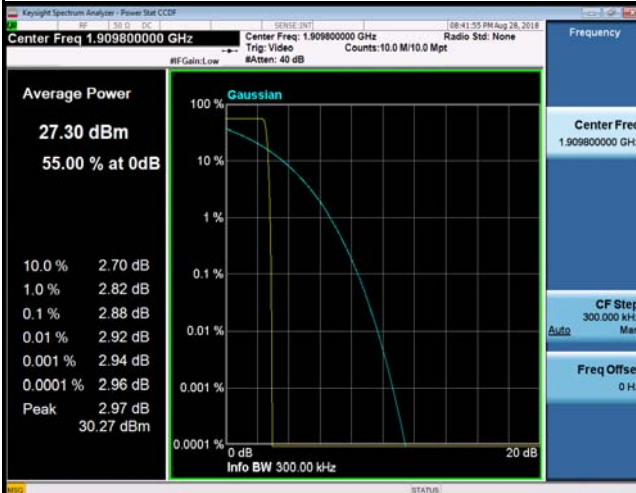
GSM -512



GSM-661



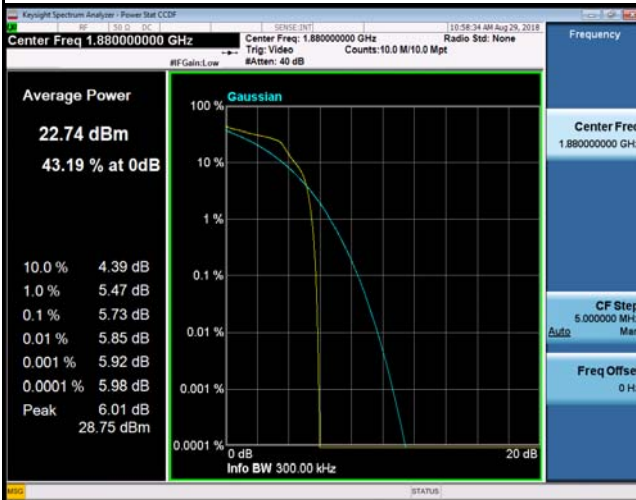
GSM-810



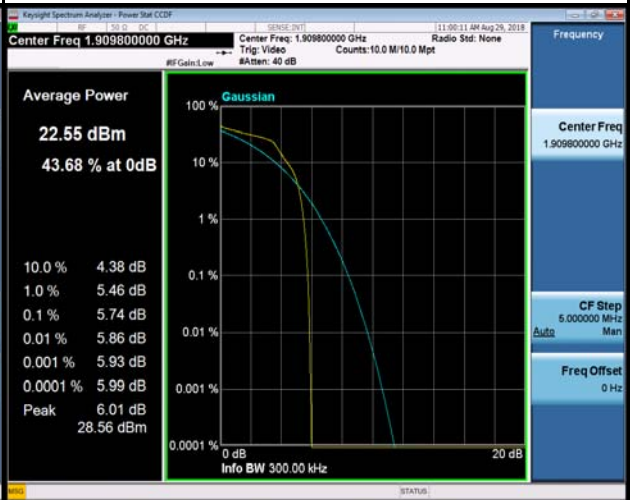
EDGE-512



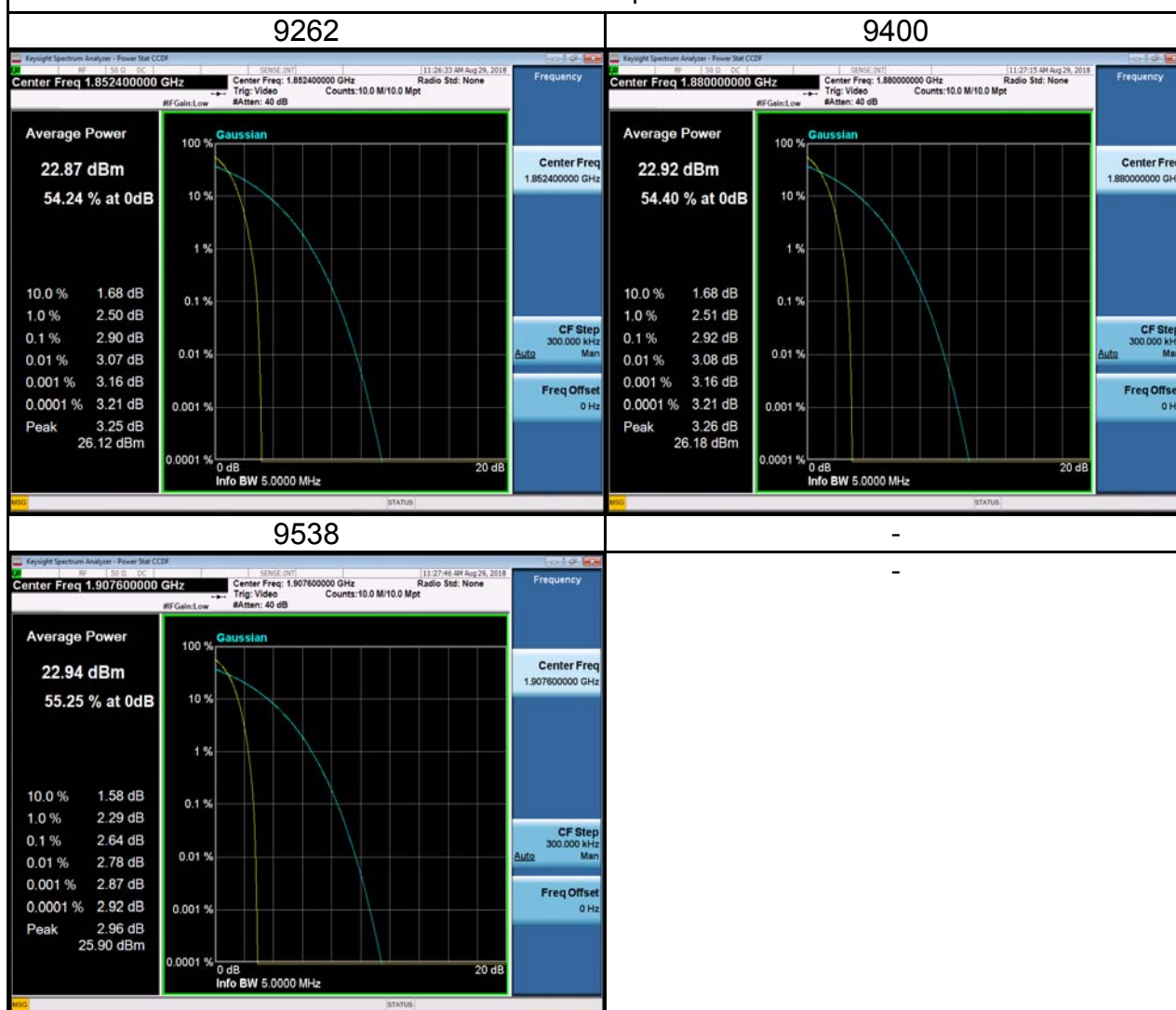
EDGE-661



EDGE-810



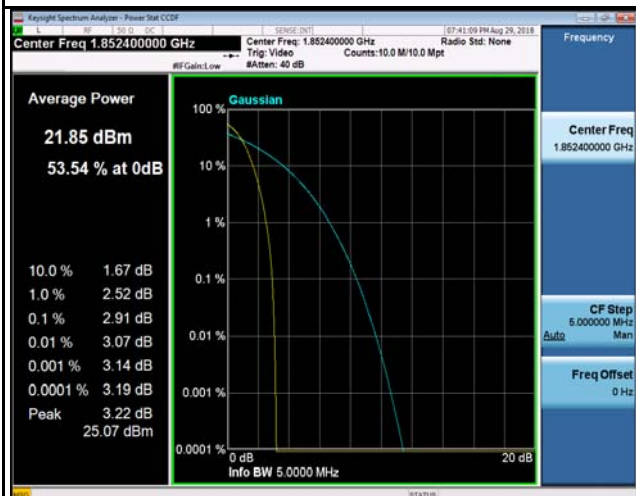
# WCDMA Band II Spectrum Plot



# WCDMA\_HSDPA Band II Spectrum Plot

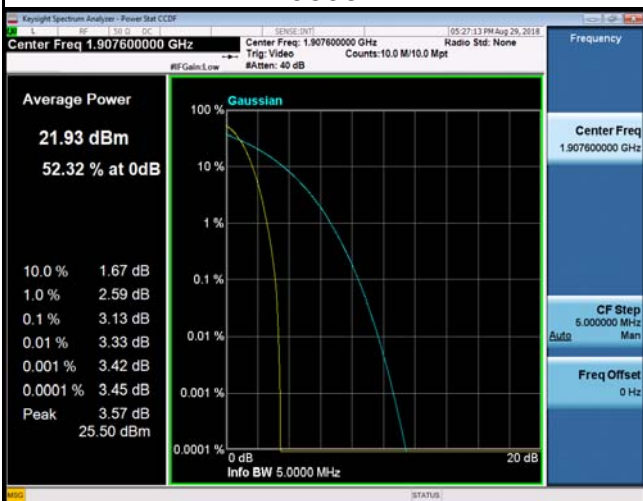
9262

9400



9538

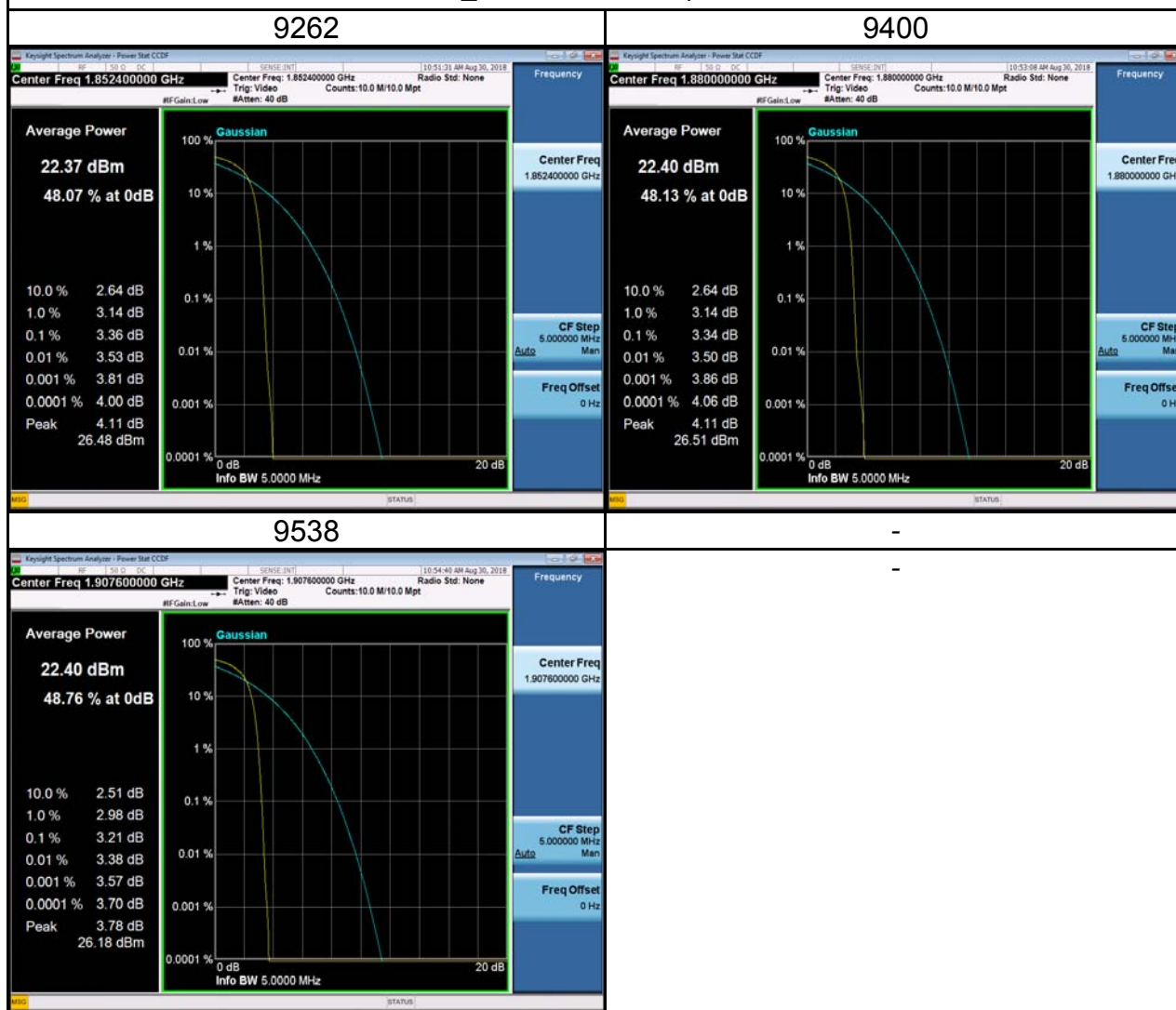
-



-

-

# WCDMA\_HSUPA Band II Spectrum Plot



# LTE Band 2 Spectrum Plot\_1.4M

## QPSK-18607



## QPSK-18900



## QPSK-19193



## 16QAM-18607



## 16QAM-18900



## 16QAM-19193



# LTE Band 2 Spectrum Plot\_3M

## QPSK-18615



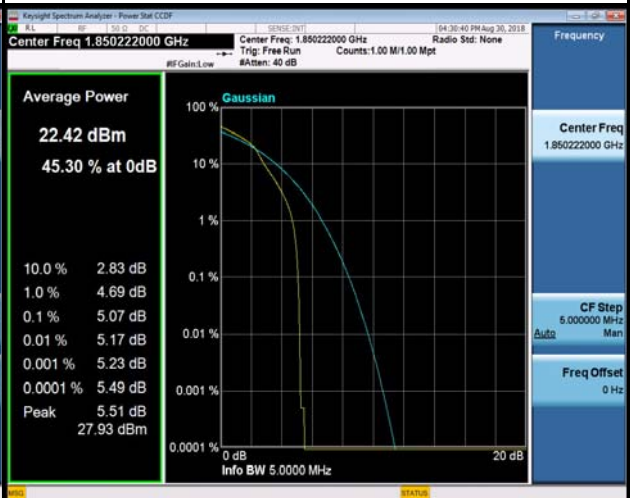
## QPSK-18900



## QPSK-19185



## 16QAM-18615



## 16QAM-18900



## 16QAM-19185



# LTE Band 2 Spectrum Plot\_5M

## QPSK-18625



## QPSK-18900



## QPSK-19175



## 16QAM-18625



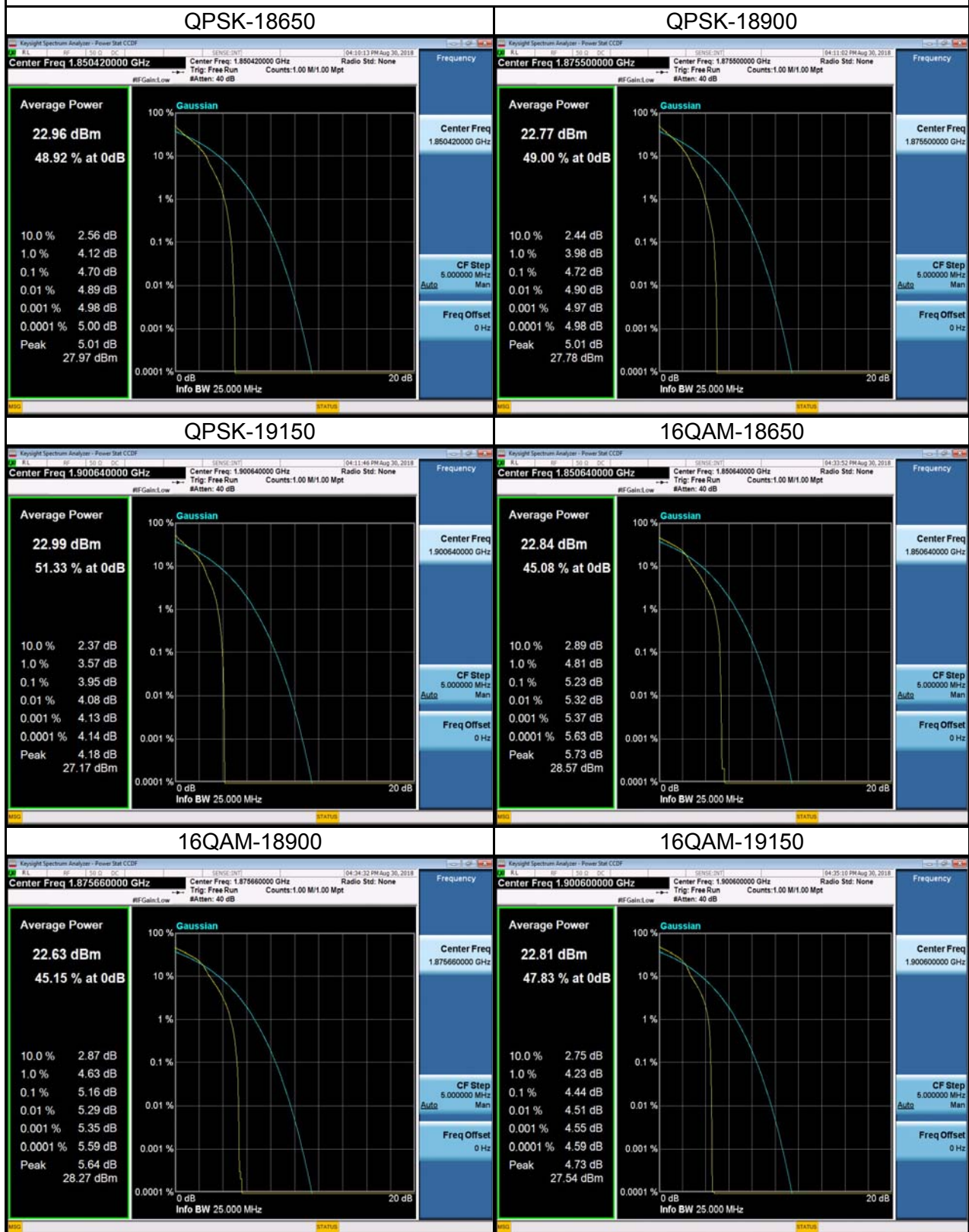
## 16QAM-18900



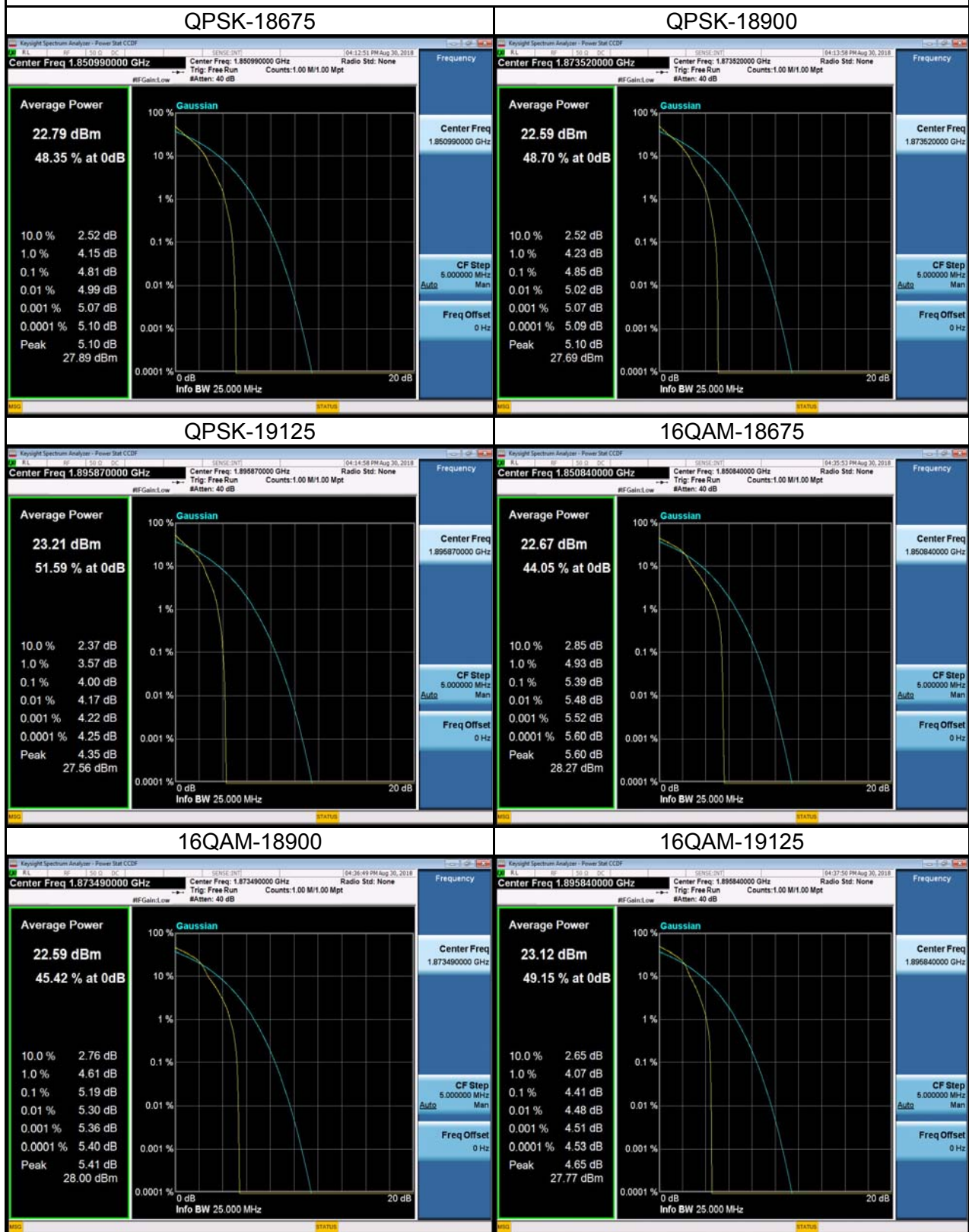
## 16QAM-19175



# LTE Band 2 Spectrum Plot\_10M



# LTE Band 2 Spectrum Plot\_15M



# LTE Band 2 Spectrum Plot\_20M

## QPSK-18700



## QPSK-18900



## QPSK-19100



## 16QAM-18700



## 16QAM-18900



## 16QAM-19100



## APPENDIX I - FREQUENCY STABILITY

|            |               |
|------------|---------------|
| Test Mode: | PCS1900_CH661 |
|------------|---------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -30                  | 3.68                 | 0.001957447           | ±2.5       |
| -20                  | 4.34                 | 0.002308511           |            |
| -10                  | 5.95                 | 0.003164894           |            |
| 0                    | 5.24                 | 0.002787234           |            |
| 10                   | 3.88                 | 0.00206383            |            |
| 20                   | 5.09                 | 0.002707447           |            |
| 30                   | 5.82                 | 0.003095745           |            |
| 40                   | 3.88                 | 0.00206383            |            |
| 50                   | 4.39                 | 0.002335106           |            |
| Max. Deviation (ppm) | 5.95                 | 0.003164894           |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.35                 | 3.83                 | 0.002037234           | ±2.5       |
| 3.82                 | 3.43                 | 0.001824468           |            |
| 3.60                 | 3.76                 | 0.002                 |            |
| Max. Deviation (ppm) | 3.83                 | 0.002037234           |            |

|            |                      |
|------------|----------------------|
| Test Mode: | WCDMA Band II_CH9400 |
|------------|----------------------|

### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -30                  | 9.17                 | 0.00487766            | ±2.5       |
| -20                  | 6.59                 | 0.003505319           |            |
| -10                  | 5.84                 | 0.003106383           |            |
| 0                    | 8                    | 0.004255319           |            |
| 10                   | 7.57                 | 0.004026596           |            |
| 20                   | 8.44                 | 0.004489362           |            |
| 30                   | 6.91                 | 0.003675532           |            |
| 40                   | 7.68                 | 0.004085106           |            |
| 50                   | 6.23                 | 0.00331383            |            |
| Max. Deviation (ppm) | 9.17                 | 0.00487766            |            |

### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.35                 | 6.69                 | 0.003558511           | ±2.5       |
| 3.82                 | 8.31                 | 0.004420213           |            |
| 3.60                 | 8.38                 | 0.004457447           |            |
| Max. Deviation (ppm) | 8.38                 | 0.004457447           |            |

|            |                         |
|------------|-------------------------|
| Test Mode: | LTE Band 2_CH18900_1.4M |
|------------|-------------------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -30                  | 5.00                 | 0.002659574           | ±2.5       |
| -20                  | -5.02                | -0.002670213          |            |
| -10                  | 4.87                 | 0.002590426           |            |
| 0                    | -2.75                | -0.001462766          |            |
| 10                   | -0.90                | -0.000478723          |            |
| 20                   | 0.06                 | 3.19149E-05           |            |
| 30                   | 1.67                 | 0.000888298           |            |
| 40                   | -2.45                | -0.001303191          |            |
| 50                   | 5.09                 | 0.002707447           |            |
| Max. Deviation (ppm) | 5.09                 | 0.002707447           |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.35                 | 4.23                 | 0.00225               | ±2.5       |
| 3.82                 | -1.38                | -0.000734043          |            |
| 3.60                 | 5.70                 | 0.003031915           |            |
| Max. Deviation (ppm) | 5.70                 | 0.003031915           |            |

|            |                       |
|------------|-----------------------|
| Test Mode: | LTE Band 2_CH18900_3M |
|------------|-----------------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -30                  | 3.64                 | 0.00193617            | ±2.5       |
| -20                  | -6.21                | -0.003303191          |            |
| -10                  | -4.54                | -0.002414894          |            |
| 0                    | -4.14                | -0.002202128          |            |
| 10                   | 4.18                 | 0.002223404           |            |
| 20                   | 3.34                 | 0.001776596           |            |
| 30                   | -2.96                | -0.001574468          |            |
| 40                   | -5.46                | -0.002904255          |            |
| 50                   | 4.93                 | 0.00262234            |            |
| Max. Deviation (ppm) | -6.21                | -0.003303191          |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.35                 | -4.66                | -0.002478723          | ±2.5       |
| 3.82                 | -6.83                | -0.003632979          |            |
| 3.60                 | 3.45                 | 0.001835106           |            |
| Max. Deviation (ppm) | -6.83                | -0.003632979          |            |

|            |                       |
|------------|-----------------------|
| Test Mode: | LTE Band 2_CH18900_5M |
|------------|-----------------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -30                  | 2.98                 | 0.001585106           | ±2.5       |
| -20                  | 4.19                 | 0.002228723           |            |
| -10                  | -6.37                | -0.003388298          |            |
| 0                    | -4.10                | -0.002180851          |            |
| 10                   | 1.95                 | 0.001037234           |            |
| 20                   | -9.13                | -0.004856383          |            |
| 30                   | -2.57                | -0.001367021          |            |
| 40                   | 4.92                 | 0.002617021           |            |
| 50                   | 1.67                 | 0.000888298           |            |
| Max. Deviation (ppm) | -9.13                | -0.004856383          |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.35                 | 2.59                 | 0.00137766            | ±2.5       |
| 3.82                 | -4.96                | -0.002638298          |            |
| 3.60                 | -1.47                | -0.000781915          |            |
| Max. Deviation (ppm) | -4.96                | -0.002638298          |            |

|            |                        |
|------------|------------------------|
| Test Mode: | LTE Band 2_CH18900_10M |
|------------|------------------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -30                  | 4.21                 | 0.002239362           | ±2.5       |
| -20                  | -1.87                | -0.000994681          |            |
| -10                  | -2.85                | -0.001515957          |            |
| 0                    | -1.91                | -0.001015957          |            |
| 10                   | 2.31                 | 0.001228723           |            |
| 20                   | 3.87                 | 0.002058511           |            |
| 30                   | 4.46                 | 0.00237234            |            |
| 40                   | 4.78                 | 0.002542553           |            |
| 50                   | 4.29                 | 0.002281915           |            |
| Max. Deviation (ppm) | 4.78                 | 0.002542553           |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.35                 | 3.32                 | 0.001765957           | ±2.5       |
| 3.82                 | 4.40                 | 0.002340426           |            |
| 3.60                 | 4.77                 | 0.002537234           |            |
| Max. Deviation (ppm) | 4.77                 | 0.002537234           |            |

|            |                        |
|------------|------------------------|
| Test Mode: | LTE Band 2_CH18900_15M |
|------------|------------------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -30                  | 2.25                 | 0.001196809           | ±2.5       |
| -20                  | 5.88                 | 0.00312766            |            |
| -10                  | 3.96                 | 0.002106383           |            |
| 0                    | -1.92                | -0.001021277          |            |
| 10                   | -4.10                | -0.002180851          |            |
| 20                   | 6.19                 | 0.003292553           |            |
| 30                   | 4.66                 | 0.002478723           |            |
| 40                   | 1.68                 | 0.000893617           |            |
| 50                   | 5.83                 | 0.003101064           |            |
| Max. Deviation (ppm) | 6.19                 | 0.003292553           |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.35                 | 1.55                 | 0.000824468           | ±2.5       |
| 3.82                 | -1.70                | -0.000904255          |            |
| 3.60                 | 6.12                 | 0.003255319           |            |
| Max. Deviation (ppm) | 6.12                 | 0.003255319           |            |

|            |                        |
|------------|------------------------|
| Test Mode: | LTE Band 2_CH18900_20M |
|------------|------------------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -30                  | 4.24                 | 0.002255319           | ±2.5       |
| -20                  | 3.58                 | 0.001904255           |            |
| -10                  | -2.64                | -0.001404255          |            |
| 0                    | -1.48                | -0.000787234          |            |
| 10                   | 7.35                 | 0.003909574           |            |
| 20                   | 3.05                 | 0.00162234            |            |
| 30                   | 6.02                 | 0.003202128           |            |
| 40                   | -2.78                | -0.001478723          |            |
| 50                   | 6.10                 | 0.003244681           |            |
| Max. Deviation (ppm) | 7.35                 | 0.003909574           |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 4.35                 | 5.76                 | 0.00306383            | ±2.5       |
| 3.82                 | 3.04                 | 0.001617021           |            |
| 3.60                 | -2.36                | -0.001255319          |            |
| Max. Deviation (ppm) | 5.76                 | 0.00306383            |            |