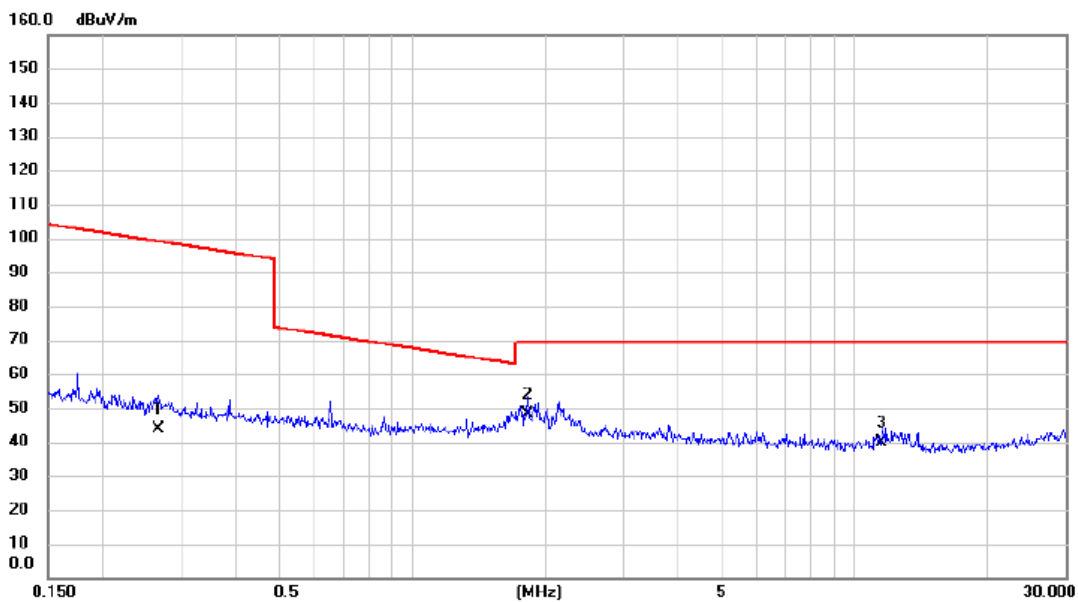


Test Mode: TX Mode\_Adapter AMS135-1201000FU

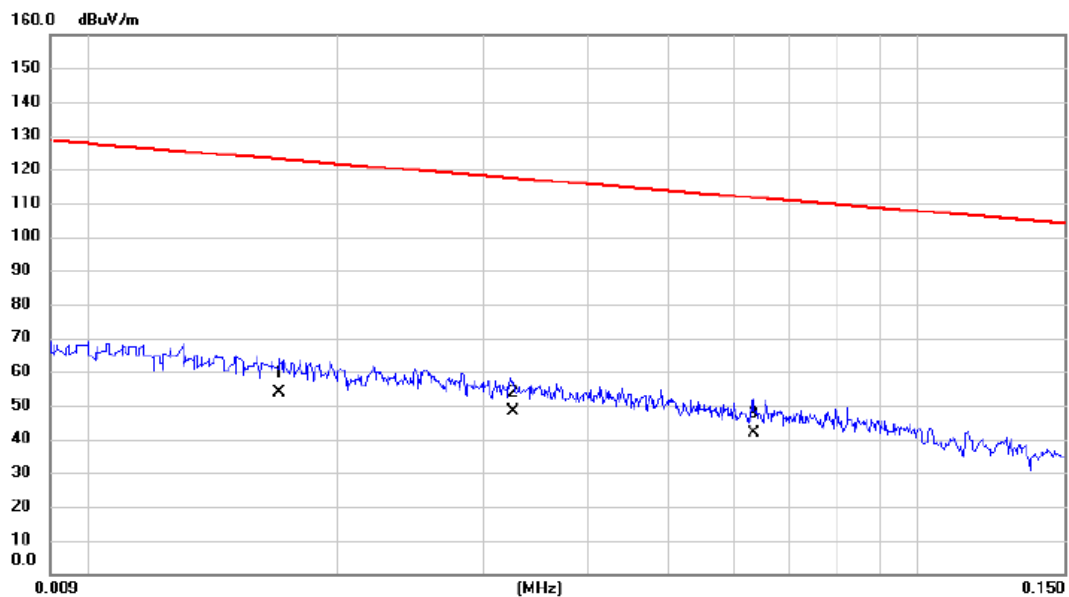
Ant 0°



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 0.2672       | 26.80                    | 17.05                   | 43.85                      | 99.07           | -55.22       | AVG      |         |
| 2   | *   | 1.8288       | 31.30                    | 17.02                   | 48.32                      | 69.54           | -21.22       | QP       |         |
| 3   |     | 11.5594      | 25.40                    | 14.46                   | 39.86                      | 69.54           | -29.68       | QP       |         |

Test Mode: TX Mode\_Adapter AMS135-1201000FU

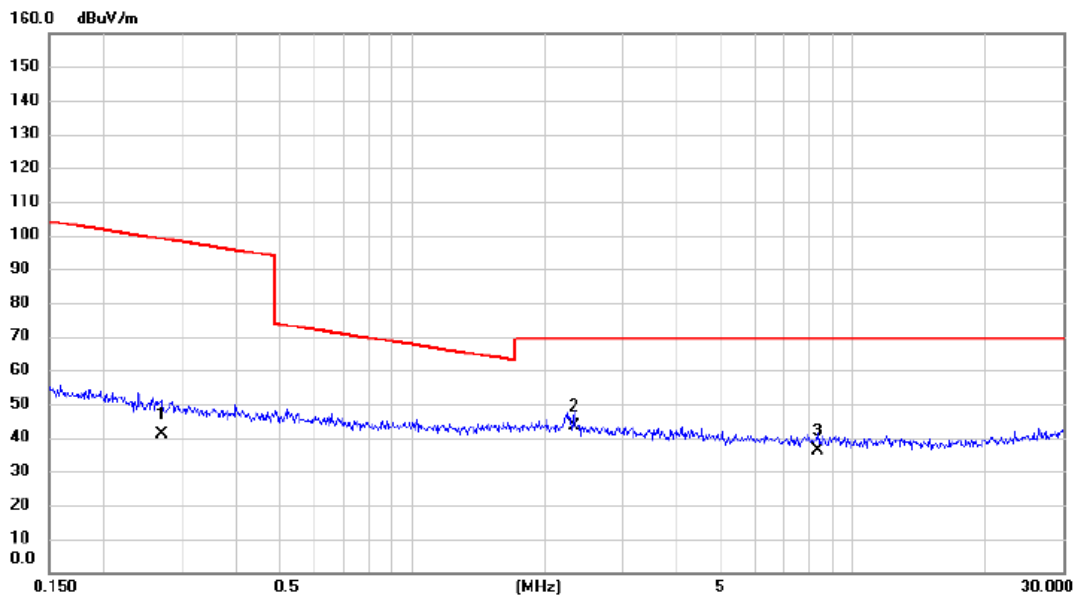
Ant 90°



| No. | Mk. | Freq.  | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |         |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz    | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 0.0170 | 33.20         | 20.44          | 53.64       | 123.00 | -69.36 | AVG      |         |
| 2   | *   | 0.0325 | 28.50         | 19.82          | 48.32       | 117.37 | -69.05 | AVG      |         |
| 3   |     | 0.0634 | 22.50         | 19.26          | 41.76       | 111.56 | -69.80 | AVG      |         |

Test Mode: TX Mode\_Adapter AMS135-1201000FU

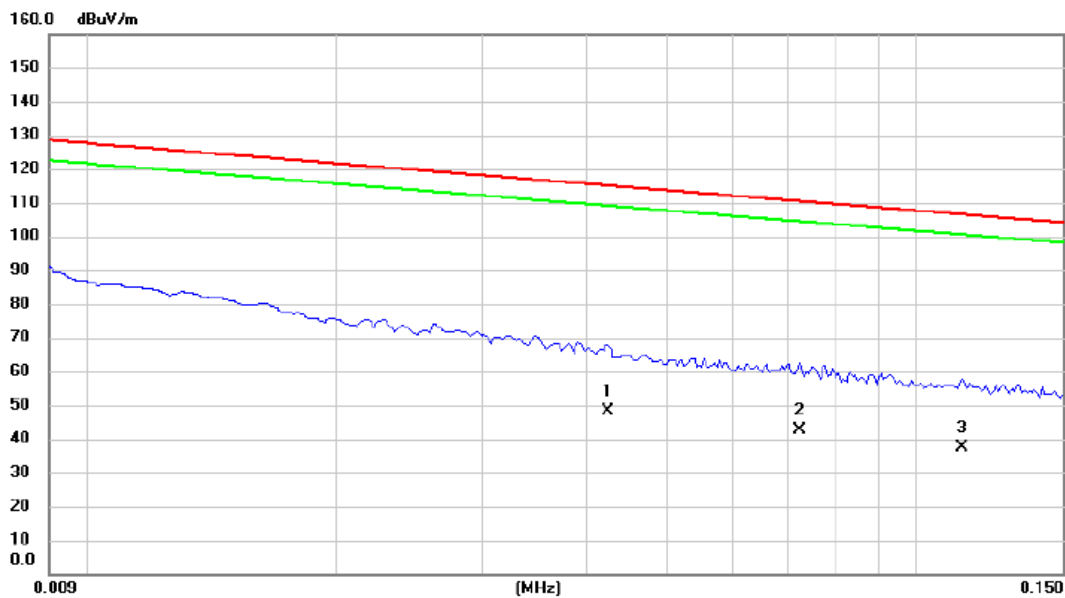
Ant 90°



| No. | Mk. | Freq.  | Reading Level | Correct Factor | Measure-ment | Limit  | Margin |          |         |
|-----|-----|--------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz    | dBuV          | dB             | dBuV/m       | dBuV/m | dB     | Detector | Comment |
| 1   |     | 0.2701 | 23.80         | 17.05          | 40.85        | 98.97  | -58.12 | AVG      |         |
| 2   | *   | 2.3336 | 26.50         | 16.92          | 43.42        | 69.54  | -26.12 | QP       |         |
| 3   |     | 8.3228 | 21.70         | 14.61          | 36.31        | 69.54  | -33.23 | QP       |         |

Test Mode: TX Mode\_Adapter AD120A120100UV

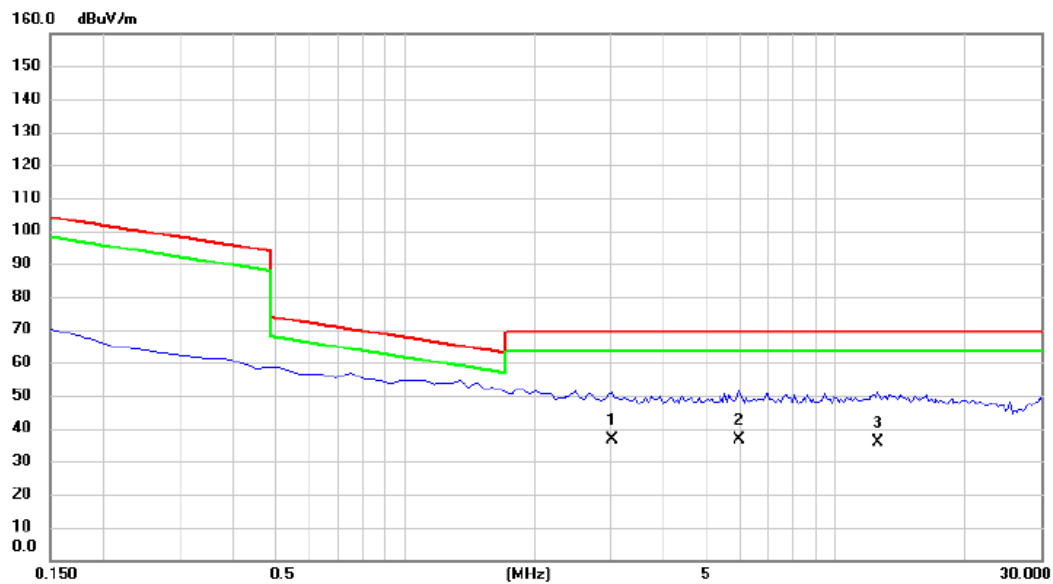
Ant 0°



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   | *   | 0.0425       | -17.91                   | 66.08                   | 48.17                      | 115.04          | -66.87     | AVG      |         |
| 2   |     | 0.0723       | -18.42                   | 61.02                   | 42.60                      | 110.42          | -67.82     | AVG      |         |
| 3   |     | 0.1135       | -19.97                   | 57.20                   | 37.23                      | 106.51          | -69.28     | AVG      |         |

Test Mode: TX Mode\_Adapter AD120A120100UV

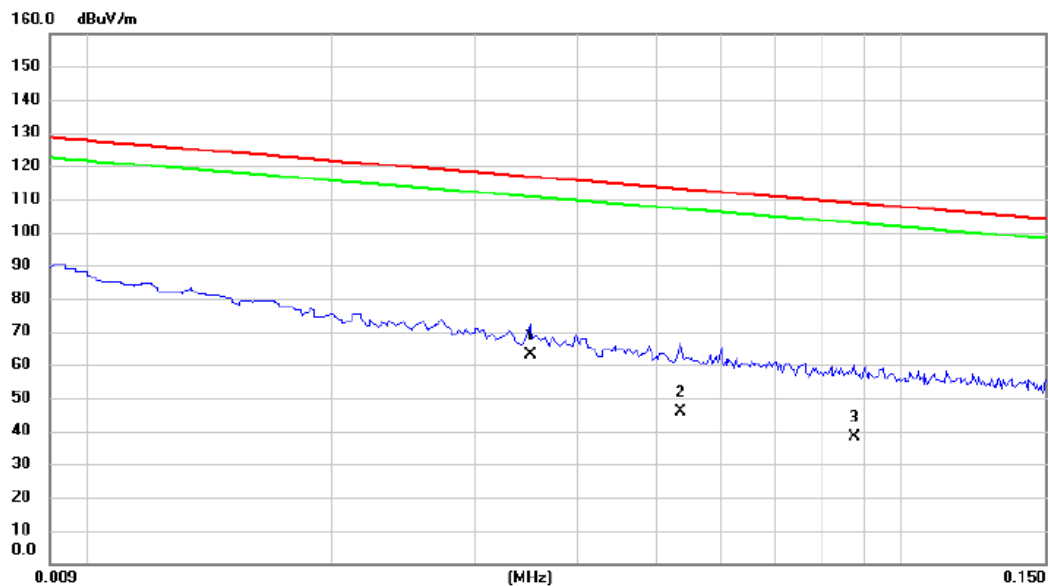
Ant 0°



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 3.0213       | -1.45                    | 38.00                   | 36.55                      | 69.54           | -32.99     | QP       |         |
| 2   | *   | 5.9525       | -1.08                    | 37.80                   | 36.72                      | 69.54           | -32.82     | QP       |         |
| 3   |     | 12.5327      | -1.96                    | 37.92                   | 35.96                      | 69.54           | -33.58     | QP       |         |

Test Mode: TX Mode\_Adapter AD120A120100UV

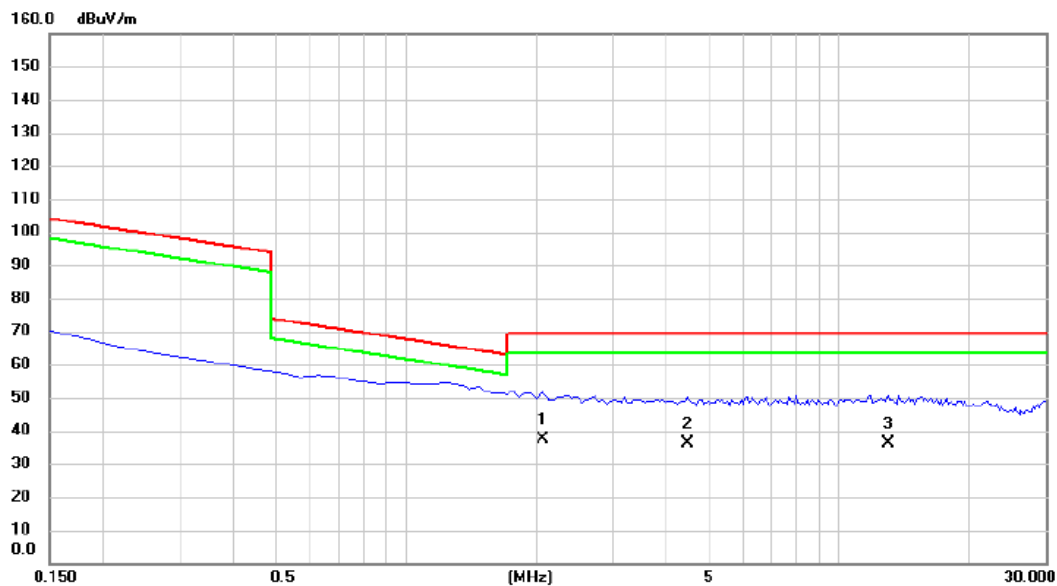
Ant 90°



| No. | Mk. | Freq.  | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz    | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 0.0350 | -5.19         | 68.20          | 63.01       | 116.72 | -53.71 | AVG      |         |
| 2   |     | 0.0536 | -18.05        | 63.70          | 45.65       | 113.02 | -67.37 | AVG      |         |
| 3   |     | 0.0875 | -21.17        | 59.43          | 38.26       | 108.76 | -70.50 | AVG      |         |

Test Mode: TX Mode\_Adapter AD120A120100UV

Ant 90°



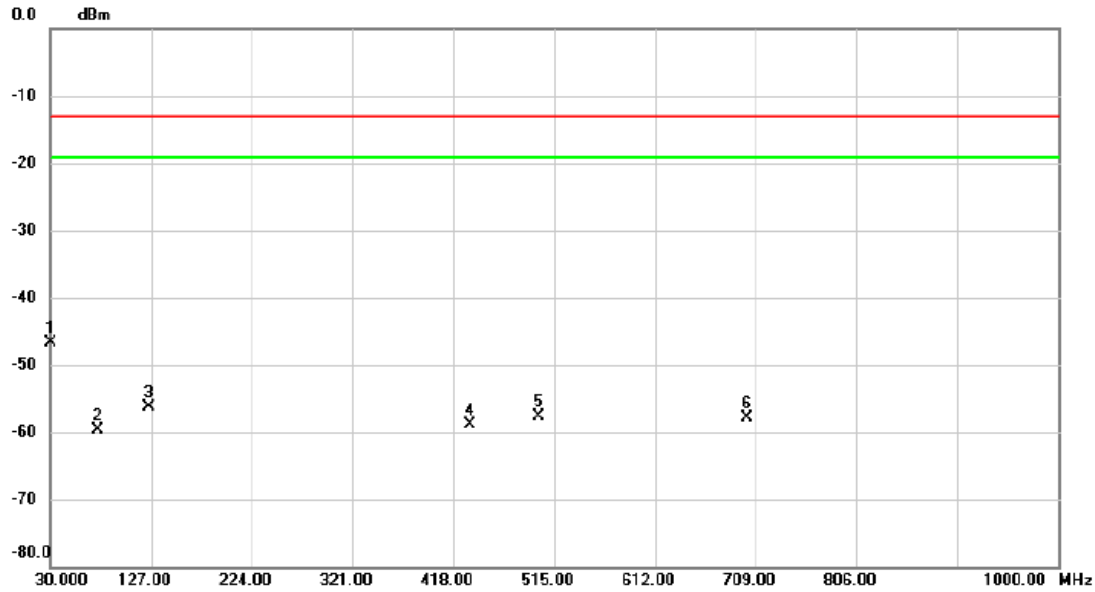
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   | *   | 2.0641       | -1.48                    | 38.75                   | 37.27                      | 69.54           | -32.27     | QP       |         |
| 2   |     | 4.4570       | -1.43                    | 37.81                   | 36.38                      | 69.54           | -33.16     | QP       |         |
| 3   |     | 12.9514      | -1.96                    | 37.97                   | 36.01                      | 69.54           | -33.53     | QP       |         |

## APPENDIX E - RADIATED EMISSION (30MHZ TO 1GHZ)



Test Mode: LTE Band 5\_TX CH20525\_1.4M\_Adapter AMS135-1201000FU

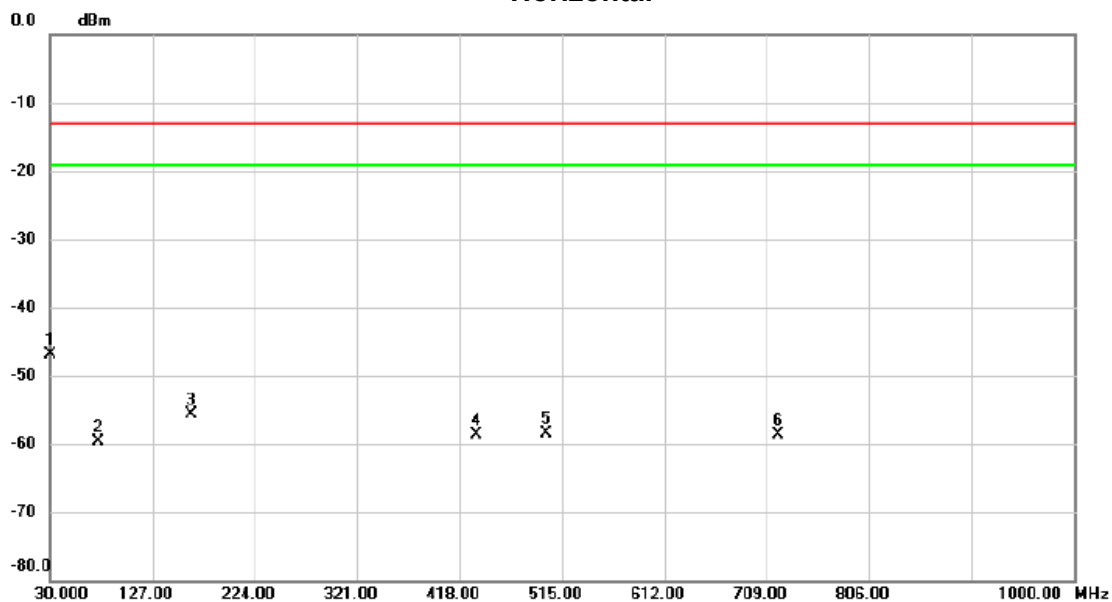
Vertical



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Over<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|------------|----------|---------|
| 1   | *   | 30.0000      | -38.70                  | -8.08                   | -46.78                  | -13.00       | -33.78     | peak     |         |
| 2   |     | 75.5900      | -48.70                  | -10.91                  | -59.61                  | -13.00       | -46.61     | peak     |         |
| 3   |     | 125.0600     | -48.47                  | -7.84                   | -56.31                  | -13.00       | -43.31     | peak     |         |
| 4   |     | 433.5200     | -55.48                  | -3.33                   | -58.81                  | -13.00       | -45.81     | peak     |         |
| 5   |     | 499.4800     | -55.51                  | -2.14                   | -57.65                  | -13.00       | -44.65     | peak     |         |
| 6   |     | 700.2700     | -58.23                  | 0.36                    | -57.87                  | -13.00       | -44.87     | peak     |         |

Test Mode: LTE Band 5\_TX CH20525\_1.4M\_Adapter AMS135-1201000FU

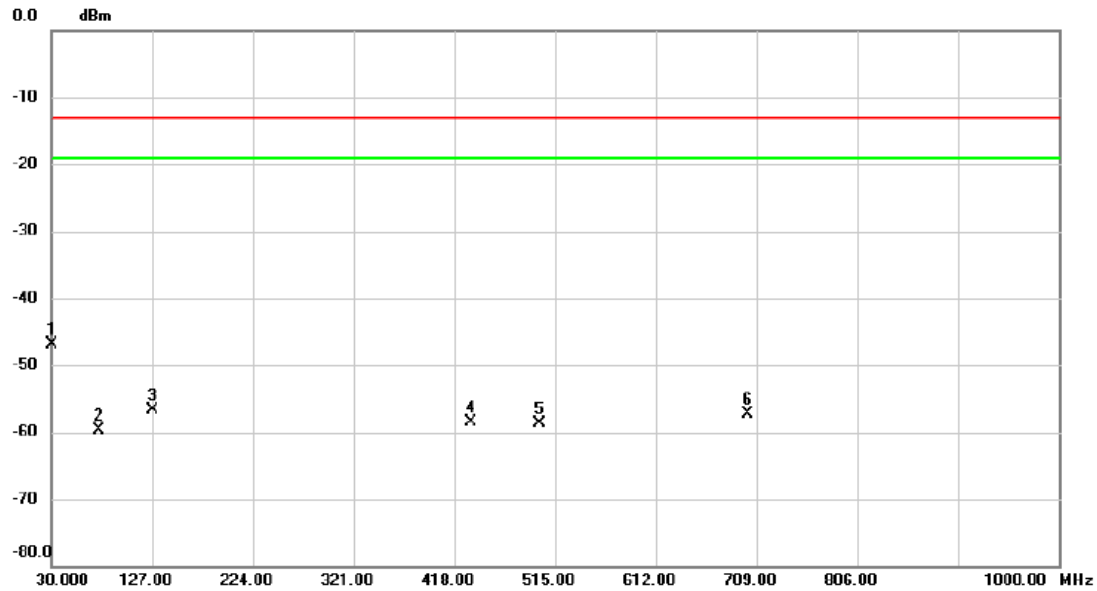
### Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm          | dBm    | dB     | Detector | Comment |
| 1   | *   | 30.0000  | -38.88        | -8.08          | -46.96       | -13.00 | -33.96 | peak     |         |
| 2   |     | 75.5900  | -48.73        | -10.91         | -59.64       | -13.00 | -46.64 | peak     |         |
| 3   |     | 163.8600 | -49.35        | -6.44          | -55.79       | -13.00 | -42.79 | peak     |         |
| 4   |     | 433.5200 | -55.33        | -3.33          | -58.66       | -13.00 | -45.66 | peak     |         |
| 5   |     | 499.4800 | -56.27        | -2.14          | -58.41       | -13.00 | -45.41 | peak     |         |
| 6   |     | 719.6700 | -59.47        | 0.85           | -58.62       | -13.00 | -45.62 | peak     |         |

Test Mode: LTE Band 5\_TX CH20525\_5M\_Adapter AMS135-1201000FU

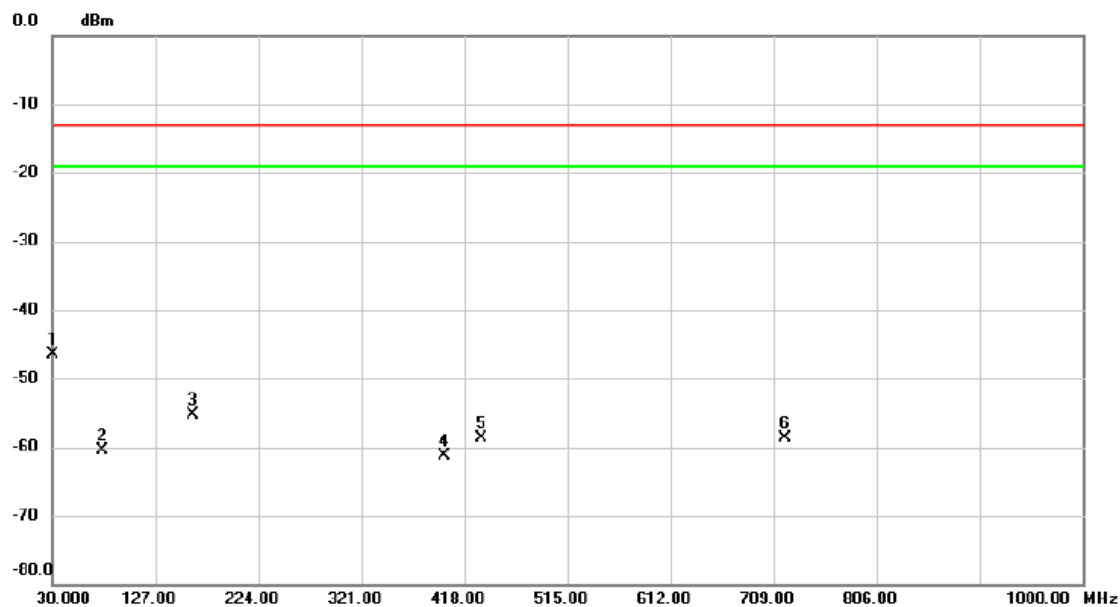
**Vertical**



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Over<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|------------|----------|---------|
| 1   | *   | 30.0000      | -38.90                  | -8.08                   | -46.98                  | -13.00       | -33.98     | peak     |         |
| 2   |     | 75.5900      | -48.70                  | -10.91                  | -59.61                  | -13.00       | -46.61     | peak     |         |
| 3   |     | 127.0000     | -48.86                  | -7.76                   | -56.62                  | -13.00       | -43.62     | peak     |         |
| 4   |     | 433.5200     | -55.23                  | -3.33                   | -58.56                  | -13.00       | -45.56     | peak     |         |
| 5   |     | 500.4500     | -56.49                  | -2.12                   | -58.61                  | -13.00       | -45.61     | peak     |         |
| 6   |     | 700.2700     | -57.75                  | 0.36                    | -57.39                  | -13.00       | -44.39     | peak     |         |

Test Mode: LTE Band 5\_TX CH20525\_5M\_Adapter AMS135-1201000FU

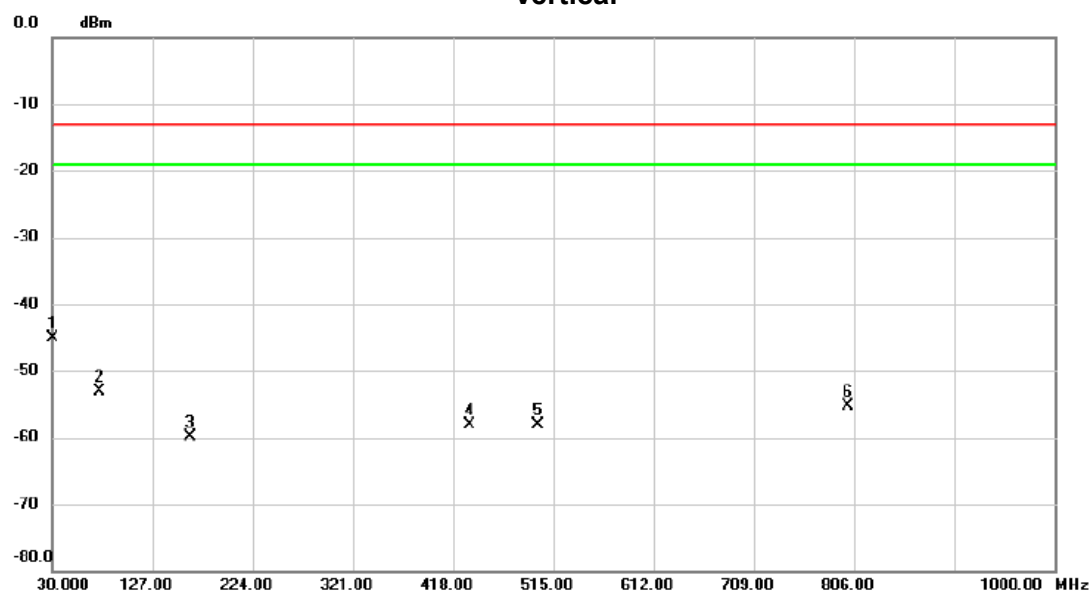
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Over<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|------------|----------|---------|
| 1   | *   | 30.0000      | -38.42                  | -8.08                   | -46.50                  | -13.00       | -33.50     | peak     |         |
| 2   |     | 77.5300      | -49.26                  | -11.15                  | -60.41                  | -13.00       | -47.41     | peak     |         |
| 3   |     | 162.8900     | -48.97                  | -6.39                   | -55.36                  | -13.00       | -42.36     | peak     |         |
| 4   |     | 399.5700     | -56.67                  | -4.57                   | -61.24                  | -13.00       | -48.24     | peak     |         |
| 5   |     | 433.5200     | -55.31                  | -3.33                   | -58.64                  | -13.00       | -45.64     | peak     |         |
| 6   |     | 719.6700     | -59.60                  | 0.85                    | -58.75                  | -13.00       | -45.75     | peak     |         |

Test Mode: LTE Band 5\_TX CH20525\_10M\_Adapter AMS135-1201000FU

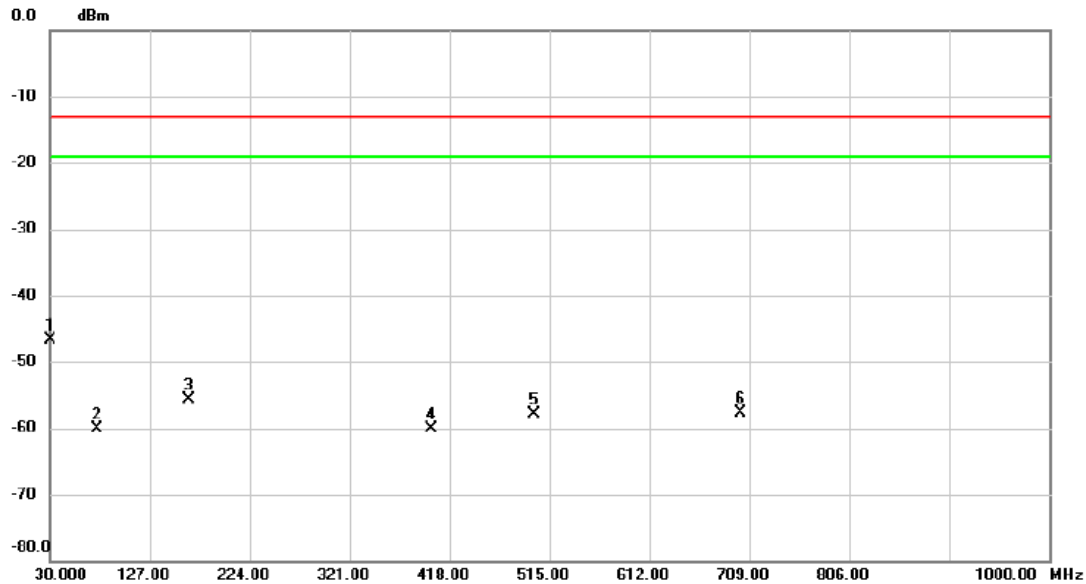
### Vertical



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Over<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|------------|----------|---------|
| 1   | *   | 30.0000      | -37.04                  | -8.08                   | -45.12                  | -13.00       | -32.12     | peak     |         |
| 2   |     | 75.5900      | -42.12                  | -10.91                  | -53.03                  | -13.00       | -40.03     | peak     |         |
| 3   |     | 163.8600     | -53.42                  | -6.44                   | -59.86                  | -13.00       | -46.86     | peak     |         |
| 4   |     | 433.5200     | -54.79                  | -3.33                   | -58.12                  | -13.00       | -45.12     | peak     |         |
| 5   |     | 500.4500     | -55.94                  | -2.12                   | -58.06                  | -13.00       | -45.06     | peak     |         |
| 6   |     | 800.1800     | -57.38                  | 1.99                    | -55.39                  | -13.00       | -42.39     | peak     |         |

Test Mode: LTE Band 5\_TX CH20525\_10M\_Adapter AMS135-1201000FU

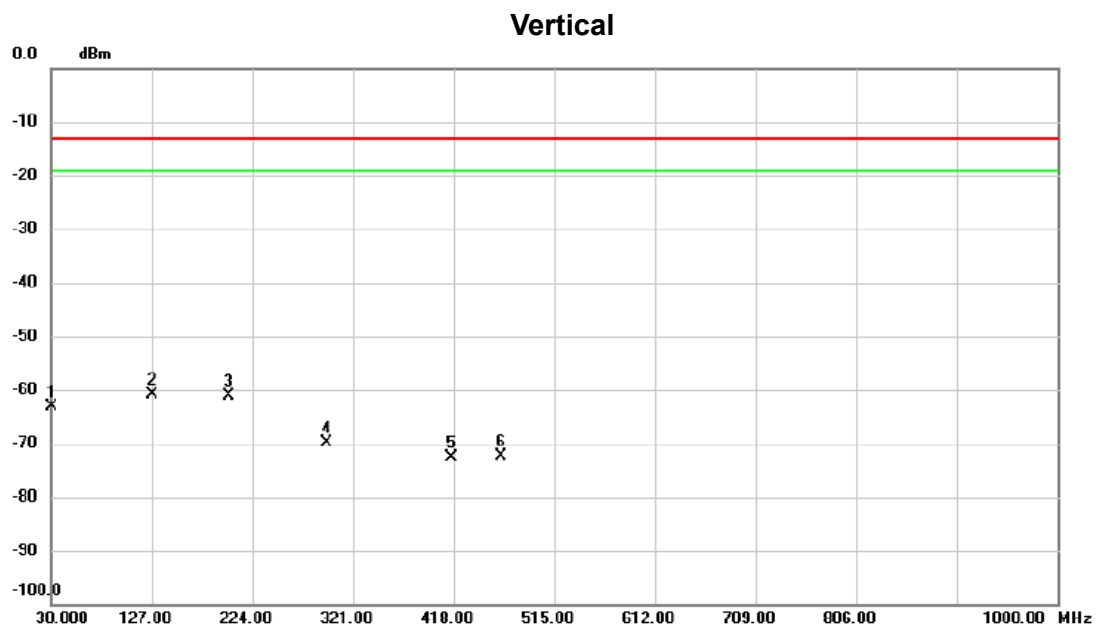
### Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 30.0000  | -38.64        | -8.08          | -46.72      | -13.00 | -33.72 | peak     |         |
| 2   |     | 75.5900  | -49.23        | -10.91         | -60.14      | -13.00 | -47.14 | peak     |         |
| 3   |     | 164.8300 | -49.24        | -6.49          | -55.73      | -13.00 | -42.73 | peak     |         |
| 4   |     | 400.5400 | -55.59        | -4.55          | -60.14      | -13.00 | -47.14 | peak     |         |
| 5   |     | 500.4500 | -55.79        | -2.12          | -57.91      | -13.00 | -44.91 | peak     |         |
| 6   |     | 700.2700 | -58.01        | 0.36           | -57.65      | -13.00 | -44.65 | peak     |         |

Test Mode:

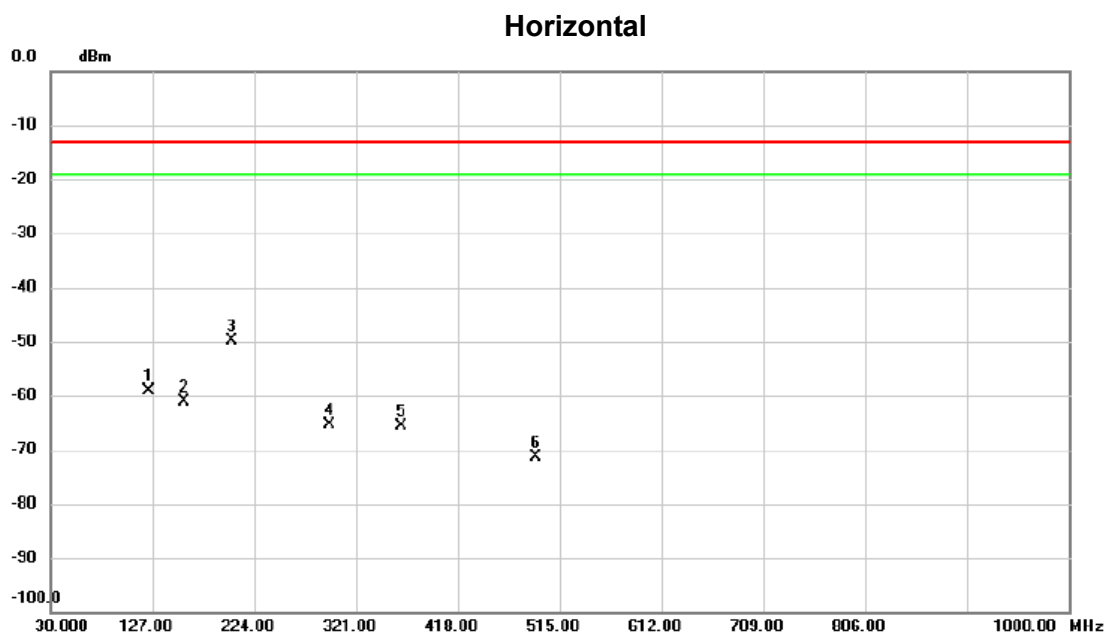
LTE Band 5\_TX CH20525\_1.4M\_Adapter AD120A120100UV



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     |          |         |
| 1   | *   | 30.9700  | -45.50        | -17.61         | -63.11      | -13.00 | -50.11 | peak     |         |
| 2   | *   | 127.0000 | -43.57        | -17.35         | -60.92      | -13.00 | -47.92 | peak     |         |
| 3   | *   | 201.6900 | -41.33        | -19.79         | -61.12      | -13.00 | -48.12 | peak     |         |
| 4   | *   | 295.7800 | -53.52        | -16.24         | -69.76      | -13.00 | -56.76 | peak     |         |
| 5   | *   | 416.0600 | -58.98        | -13.53         | -72.51      | -13.00 | -59.51 | peak     |         |
| 6   | *   | 463.5900 | -60.08        | -12.34         | -72.42      | -13.00 | -59.42 | peak     |         |

Test Mode:

LTE Band 5\_TX CH20525\_1.4M\_Adapter AD120A120100UV



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm          | dBm    | dB     | Detector | Comment |
| 1   |     | 124.0900 | -41.74        | -17.47         | -59.21       | -13.00 | -46.21 | peak     |         |
| 2   |     | 157.0700 | -45.29        | -15.73         | -61.02       | -13.00 | -48.02 | peak     |         |
| 3   | *   | 202.6600 | -30.17        | -19.76         | -49.93       | -13.00 | -36.93 | peak     |         |
| 4   |     | 295.7800 | -49.03        | -16.24         | -65.27       | -13.00 | -52.27 | peak     |         |
| 5   |     | 364.6500 | -51.49        | -14.19         | -65.68       | -13.00 | -52.68 | peak     |         |
| 6   |     | 491.7200 | -59.46        | -11.91         | -71.37       | -13.00 | -58.37 | peak     |         |



Test Mode: LTE Band 5\_TX CH20525\_5M\_Adapter AD120A120100UV

### Vertical

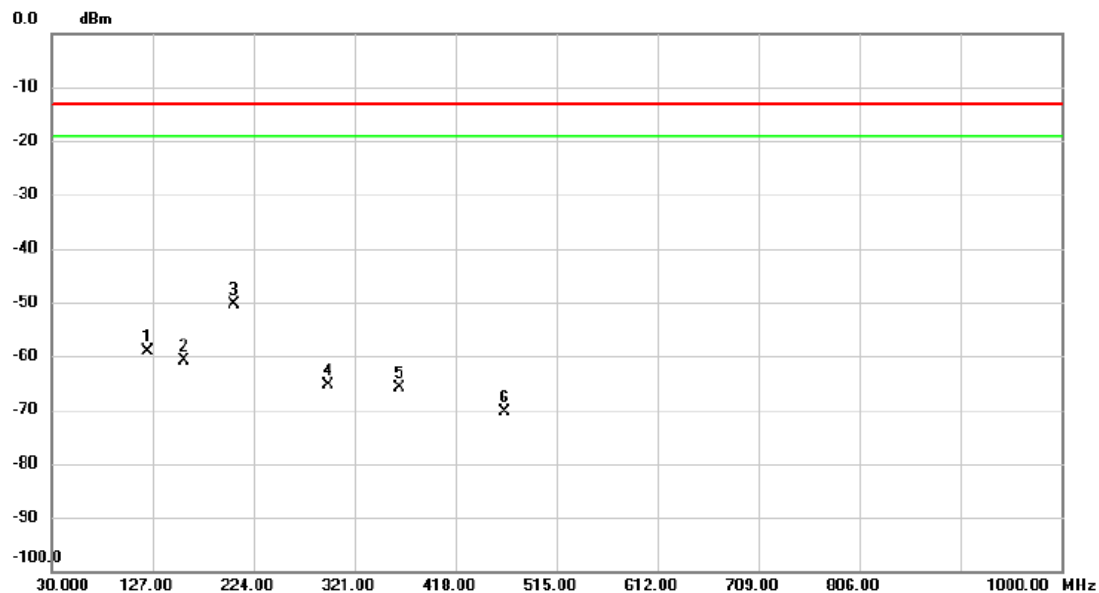


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Over<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|------------|----------|---------|
| 1   |     | 30.0000      | -45.00                  | -17.67                  | -62.67                  | -13.00       | -49.67     | peak     |         |
| 2   |     | 122.1500     | -43.47                  | -17.57                  | -61.04                  | -13.00       | -48.04     | peak     |         |
| 3   |     | 148.3400     | -48.01                  | -15.68                  | -63.69                  | -13.00       | -50.69     | peak     |         |
| 4   | *   | 204.6000     | -40.97                  | -19.67                  | -60.64                  | -13.00       | -47.64     | peak     |         |
| 5   |     | 293.8400     | -53.44                  | -16.33                  | -69.77                  | -13.00       | -56.77     | peak     |         |
| 6   |     | 462.6200     | -60.29                  | -12.35                  | -72.64                  | -13.00       | -59.64     | peak     |         |

Test Mode:

LTE Band 5\_TX CH20525\_5M\_Adapter AD120A120100UV

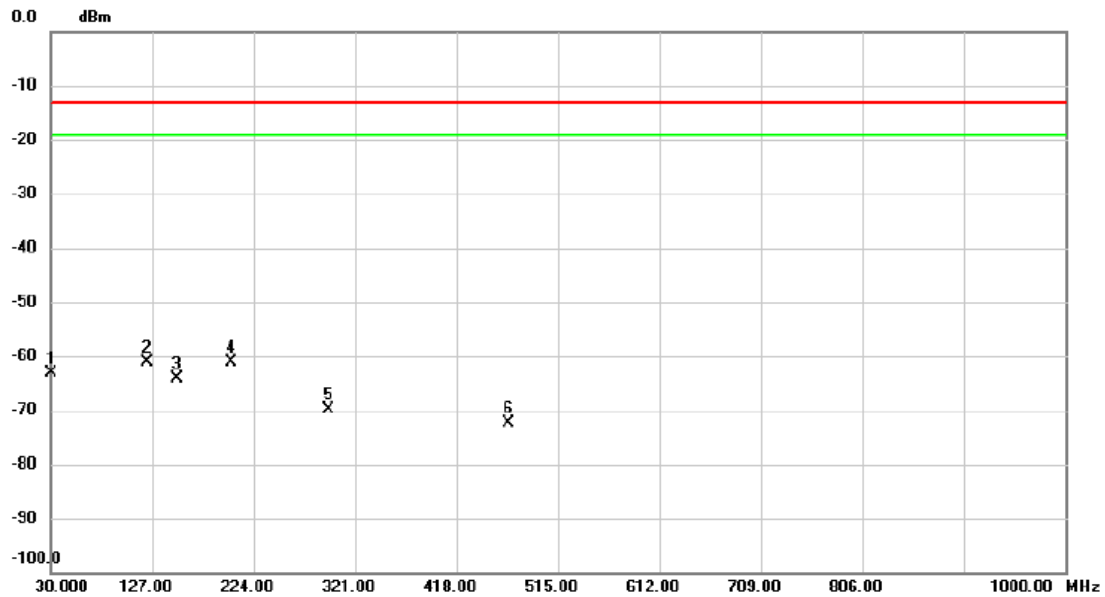
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Over<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|------------|----------|---------|
| 1   |     | 122.1500     | -41.45                  | -17.57                  | -59.02                  | -13.00       | -46.02     | peak     |         |
| 2   |     | 157.0700     | -45.02                  | -15.73                  | -60.75                  | -13.00       | -47.75     | peak     |         |
| 3   | *   | 204.6000     | -30.64                  | -19.67                  | -50.31                  | -13.00       | -37.31     | peak     |         |
| 4   |     | 295.7800     | -49.08                  | -16.24                  | -65.32                  | -13.00       | -52.32     | peak     |         |
| 5   |     | 363.6800     | -51.63                  | -14.17                  | -65.80                  | -13.00       | -52.80     | peak     |         |
| 6   |     | 465.5300     | -58.09                  | -12.34                  | -70.43                  | -13.00       | -57.43     | peak     |         |

Test Mode: LTE Band 5\_TX CH20525\_10M\_Adapter AD120A120100UV

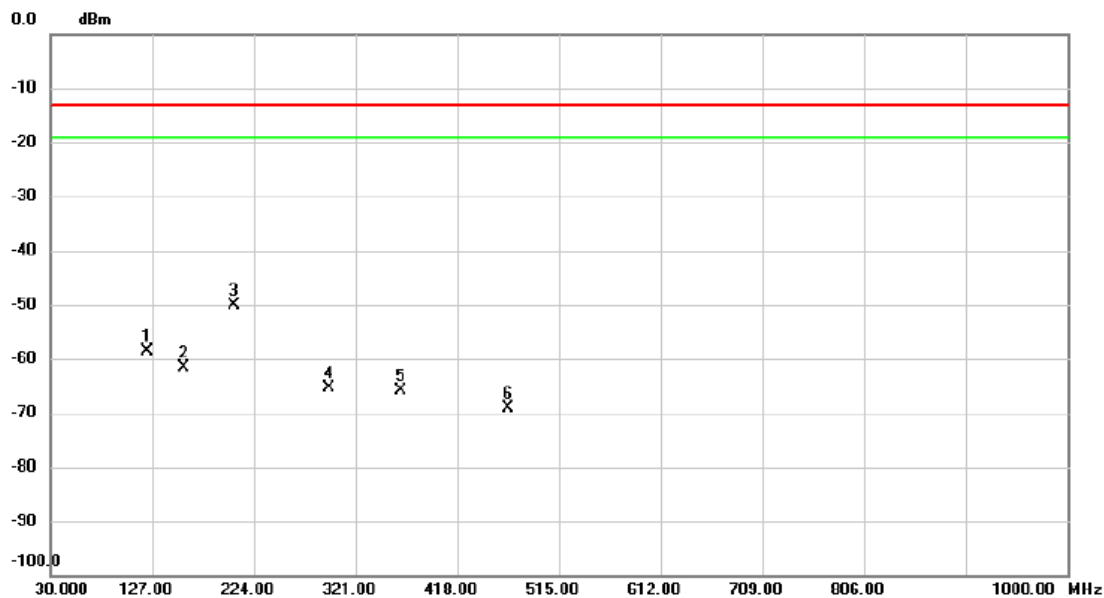
Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   |     | 30.9700  | -45.58        | -17.61         | -63.19      | -13.00 | -50.19 | peak     |         |
| 2   | *   | 122.1500 | -43.48        | -17.57         | -61.05      | -13.00 | -48.05 | peak     |         |
| 3   |     | 150.2800 | -48.54        | -15.55         | -64.09      | -13.00 | -51.09 | peak     |         |
| 4   |     | 202.6600 | -41.41        | -19.76         | -61.17      | -13.00 | -48.17 | peak     |         |
| 5   |     | 295.7800 | -53.52        | -16.24         | -69.76      | -13.00 | -56.76 | peak     |         |
| 6   |     | 467.4700 | -60.13        | -12.33         | -72.46      | -13.00 | -59.46 | peak     |         |

Test Mode: LTE Band 5\_TX CH20525\_10M\_Adapter AD120A120100UV

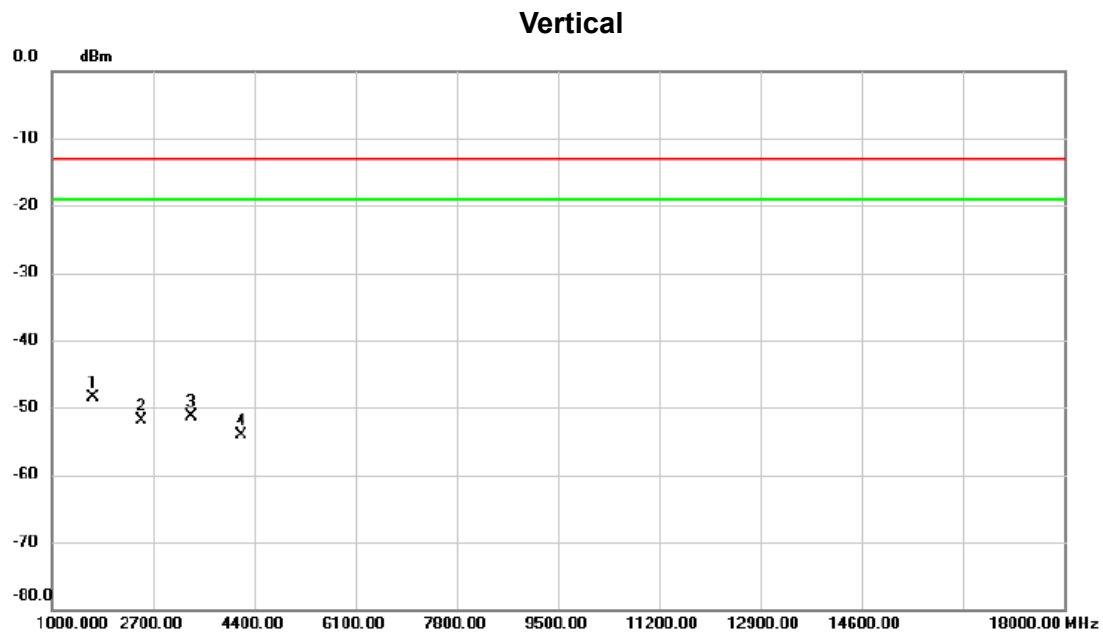
### Horizontal



| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Over   |          |         |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|---------|
|     |     | MHz      | Level   | Factor  | ment     |        |        | Detector | Comment |
|     |     |          | dBm     | dB      | dBm      | dBm    | dB     |          |         |
| 1   |     | 122.1500 | -41.16  | -17.57  | -58.73   | -13.00 | -45.73 | peak     |         |
| 2   |     | 157.0700 | -45.86  | -15.73  | -61.59   | -13.00 | -48.59 | peak     |         |
| 3   | *   | 204.6000 | -30.57  | -19.67  | -50.24   | -13.00 | -37.24 | peak     |         |
| 4   |     | 295.7800 | -49.07  | -16.24  | -65.31   | -13.00 | -52.31 | peak     |         |
| 5   |     | 364.6500 | -51.69  | -14.19  | -65.88   | -13.00 | -52.88 | peak     |         |
| 6   |     | 466.5000 | -56.88  | -12.33  | -69.21   | -13.00 | -56.21 | peak     |         |

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

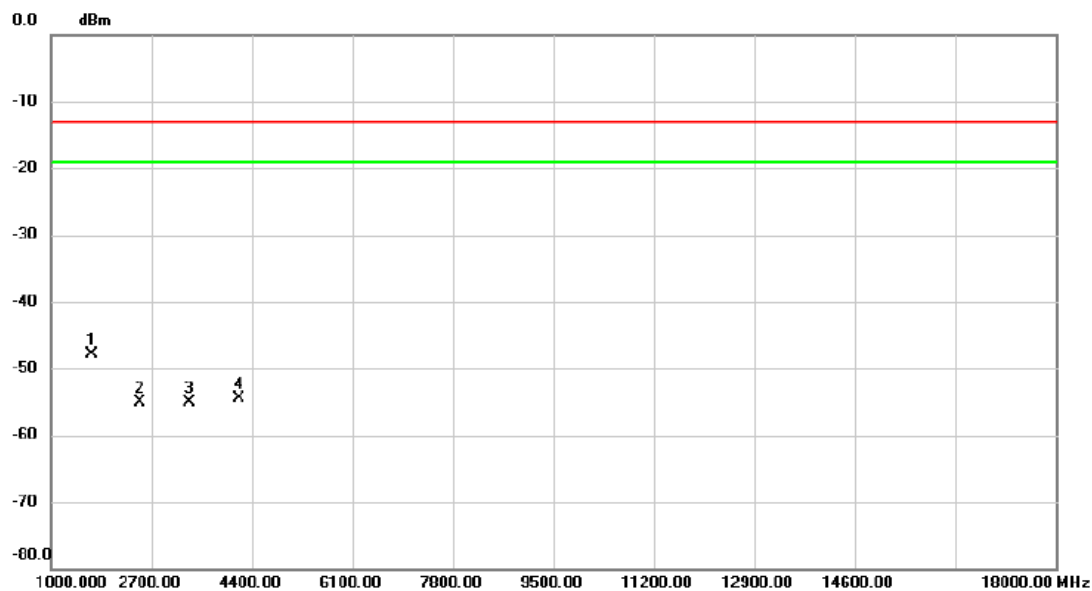
|            |                            |
|------------|----------------------------|
| Test Mode: | LTE Band 5_TX CH20525_1.4M |
|------------|----------------------------|



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Over<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|------------|----------|---------|
| 1   | *   | 1680.000     | -40.58                  | -7.96                   | -48.54                  | -13.00       | -35.54     | peak     |         |
| 2   |     | 2513.000     | -46.69                  | -5.13                   | -51.82                  | -13.00       | -38.82     | peak     |         |
| 3   |     | 3346.000     | -48.19                  | -3.20                   | -51.39                  | -13.00       | -38.39     | peak     |         |
| 4   |     | 4179.000     | -53.03                  | -1.03                   | -54.06                  | -13.00       | -41.06     | peak     |         |

Test Mode: LTE Band 5\_TX CH20525\_1.4M

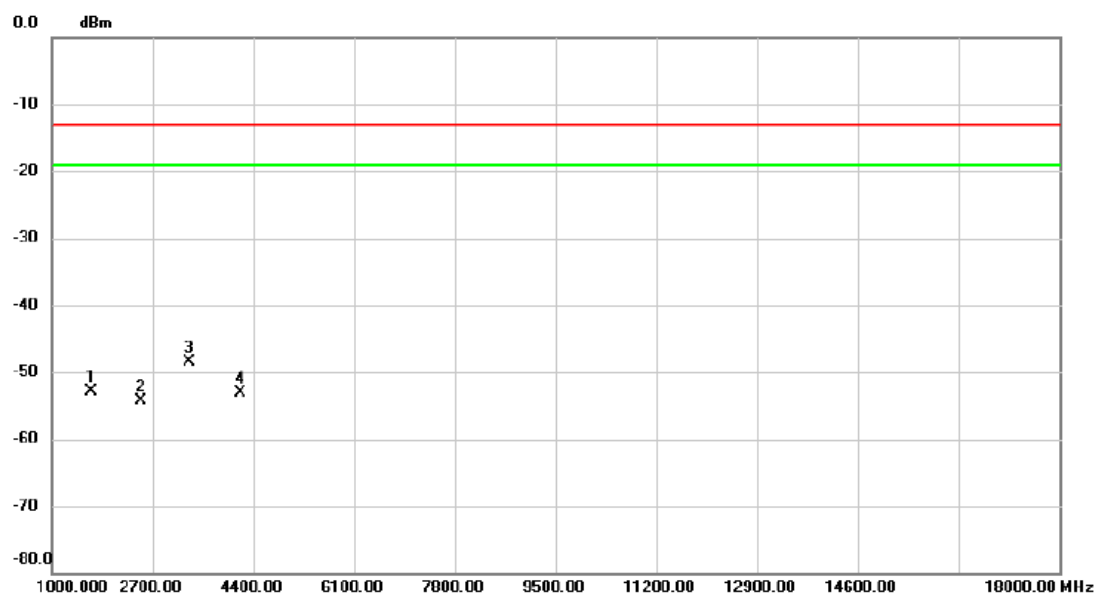
### Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Over<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|------------|----------|---------|
| 1   | *   | 1680.000     | -40.00                  | -7.96                   | -47.96                  | -13.00       | -34.96     | peak     |         |
| 2   |     | 2509.500     | -50.06                  | -5.13                   | -55.19                  | -13.00       | -42.19     | peak     |         |
| 3   |     | 3346.000     | -51.83                  | -3.20                   | -55.03                  | -13.00       | -42.03     | peak     |         |
| 4   |     | 4179.000     | -53.45                  | -1.03                   | -54.48                  | -13.00       | -41.48     | peak     |         |

|            |                          |
|------------|--------------------------|
| Test Mode: | LTE Band 5_TX CH20525_5M |
|------------|--------------------------|

### Vertical

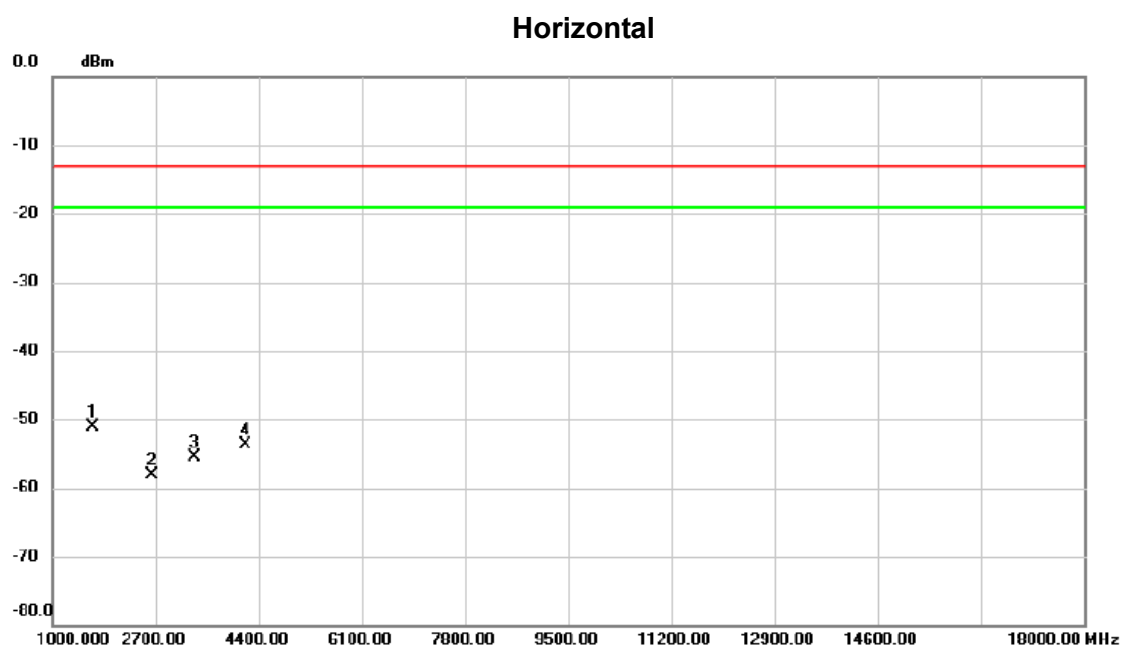


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Over<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|------------|----------|---------|
| 1   |     | 1663.000     | -44.78                  | -8.03                   | -52.81                  | -13.00       | -39.81     | peak     |         |
| 2   |     | 2496.000     | -49.14                  | -5.17                   | -54.31                  | -13.00       | -41.31     | peak     |         |
| 3   | *   | 3329.000     | -45.25                  | -3.23                   | -48.48                  | -13.00       | -35.48     | peak     |         |
| 4   |     | 4179.000     | -52.04                  | -1.03                   | -53.07                  | -13.00       | -40.07     | peak     |         |



Test Mode:

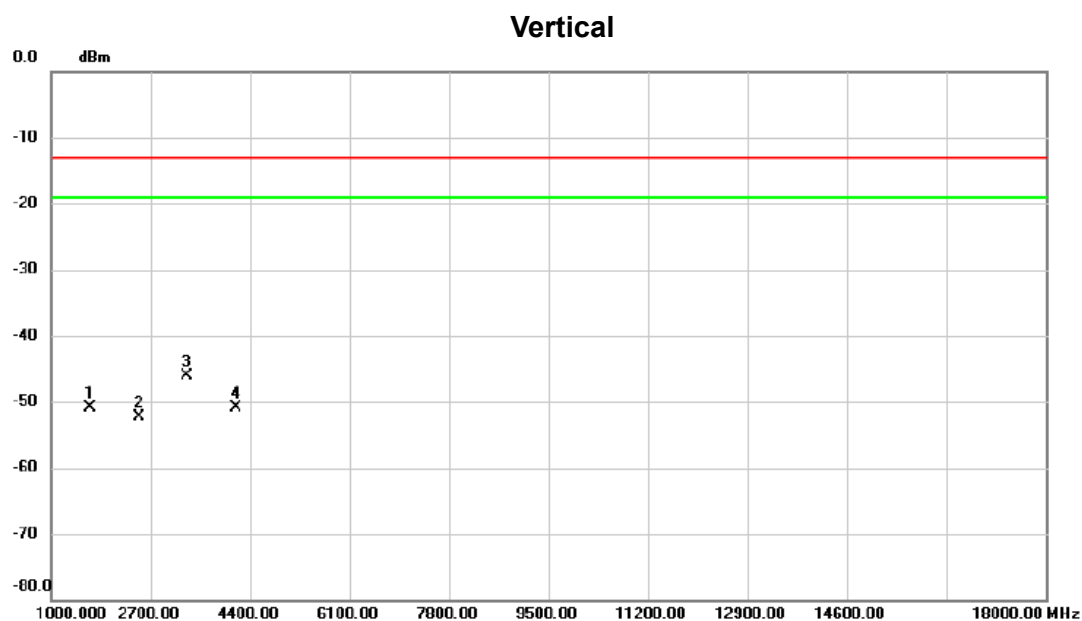
LTE Band 5\_TX CH20525\_5M



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm          | dBm    | dB     | Detector | Comment |
| 1   | *   | 1663.000 | -43.05        | -8.03          | -51.08       | -13.00 | -38.08 | peak     |         |
| 2   |     | 2649.000 | -53.45        | -4.74          | -58.19       | -13.00 | -45.19 | peak     |         |
| 3   |     | 3346.000 | -52.27        | -3.20          | -55.47       | -13.00 | -42.47 | peak     |         |
| 4   |     | 4179.000 | -52.64        | -1.03          | -53.67       | -13.00 | -40.67 | peak     |         |

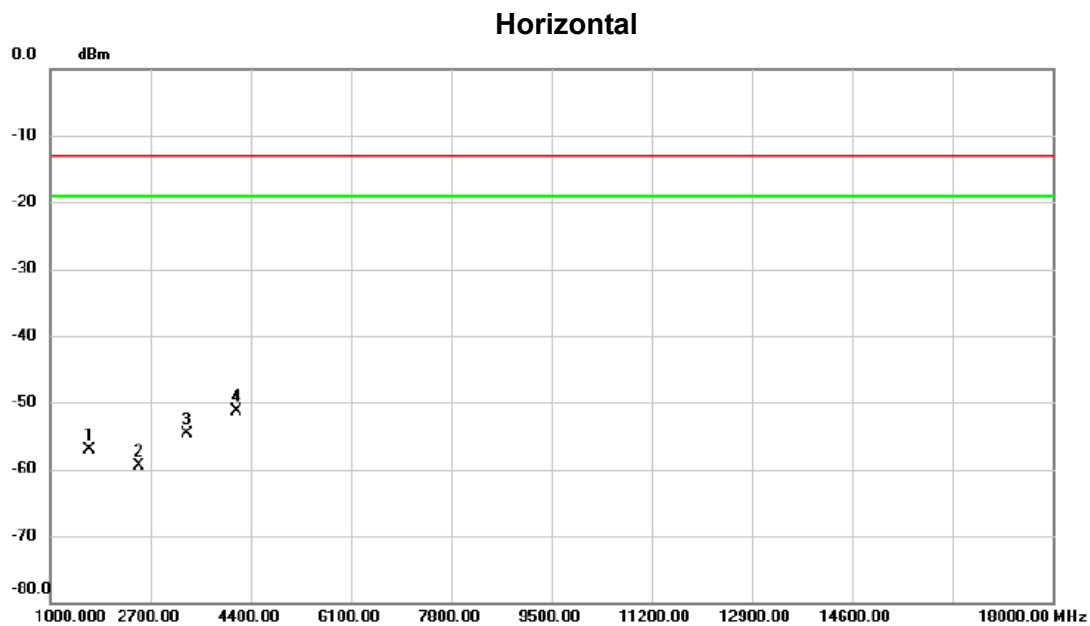
Test Mode:

LTE Band 5\_TX CH20525\_10M



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   |     | 1663.000 | -42.79        | -8.03          | -50.82      | -13.00 | -37.82 | peak     |         |
| 2   |     | 2496.000 | -47.18        | -5.17          | -52.35      | -13.00 | -39.35 | peak     |         |
| 3   | *   | 3329.000 | -42.83        | -3.23          | -46.06      | -13.00 | -33.06 | peak     |         |
| 4   |     | 4162.000 | -49.85        | -1.07          | -50.92      | -13.00 | -37.92 | peak     |         |

|            |                           |
|------------|---------------------------|
| Test Mode: | LTE Band 5_TX CH20525_10M |
|------------|---------------------------|



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Over<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|------------|----------|---------|
| 1   |     | 1663.000     | -48.99                  | -8.03                   | -57.02                  | -13.00       | -44.02     | peak     |         |
| 2   |     | 2496.000     | -54.37                  | -5.17                   | -59.54                  | -13.00       | -46.54     | peak     |         |
| 3   |     | 3329.000     | -51.42                  | -3.23                   | -54.65                  | -13.00       | -41.65     | peak     |         |
| 4   | *   | 4162.000     | -50.23                  | -1.07                   | -51.30                  | -13.00       | -38.30     | peak     |         |

## APPENDIX G - BAND EDGE

LTE Band 5\_1.4M

1RB0

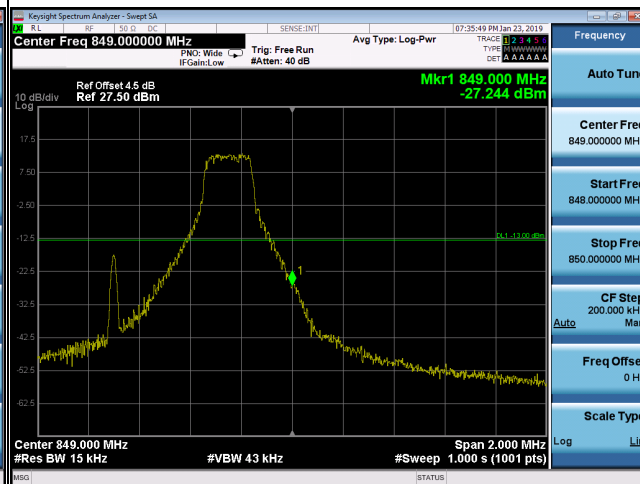
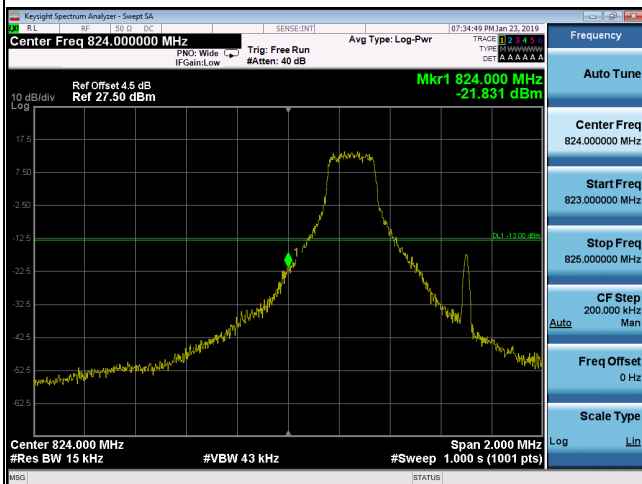
1RB5

Channel

20407

Channel

20643



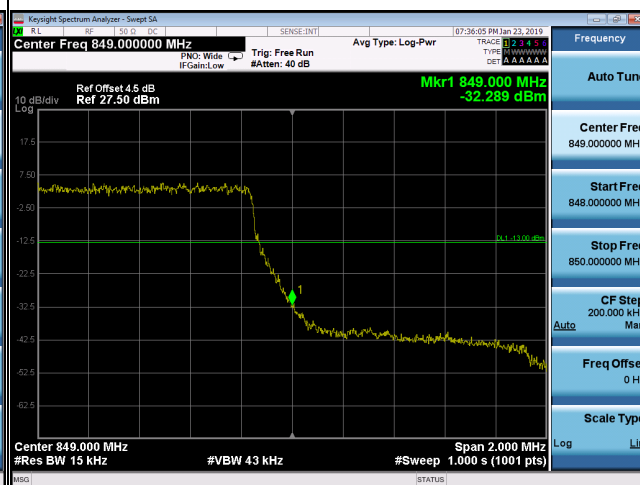
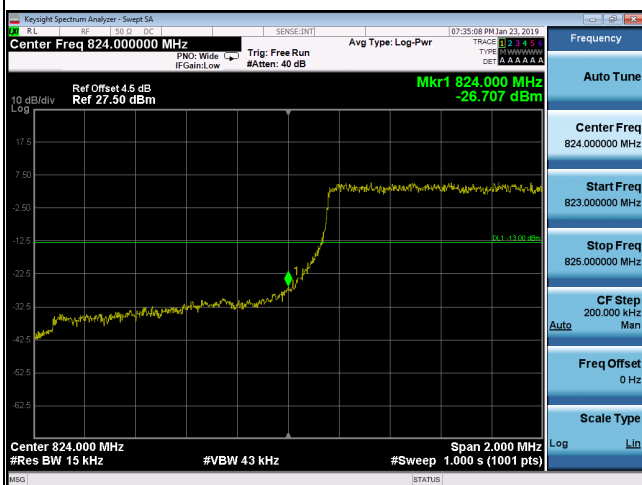
6RB0

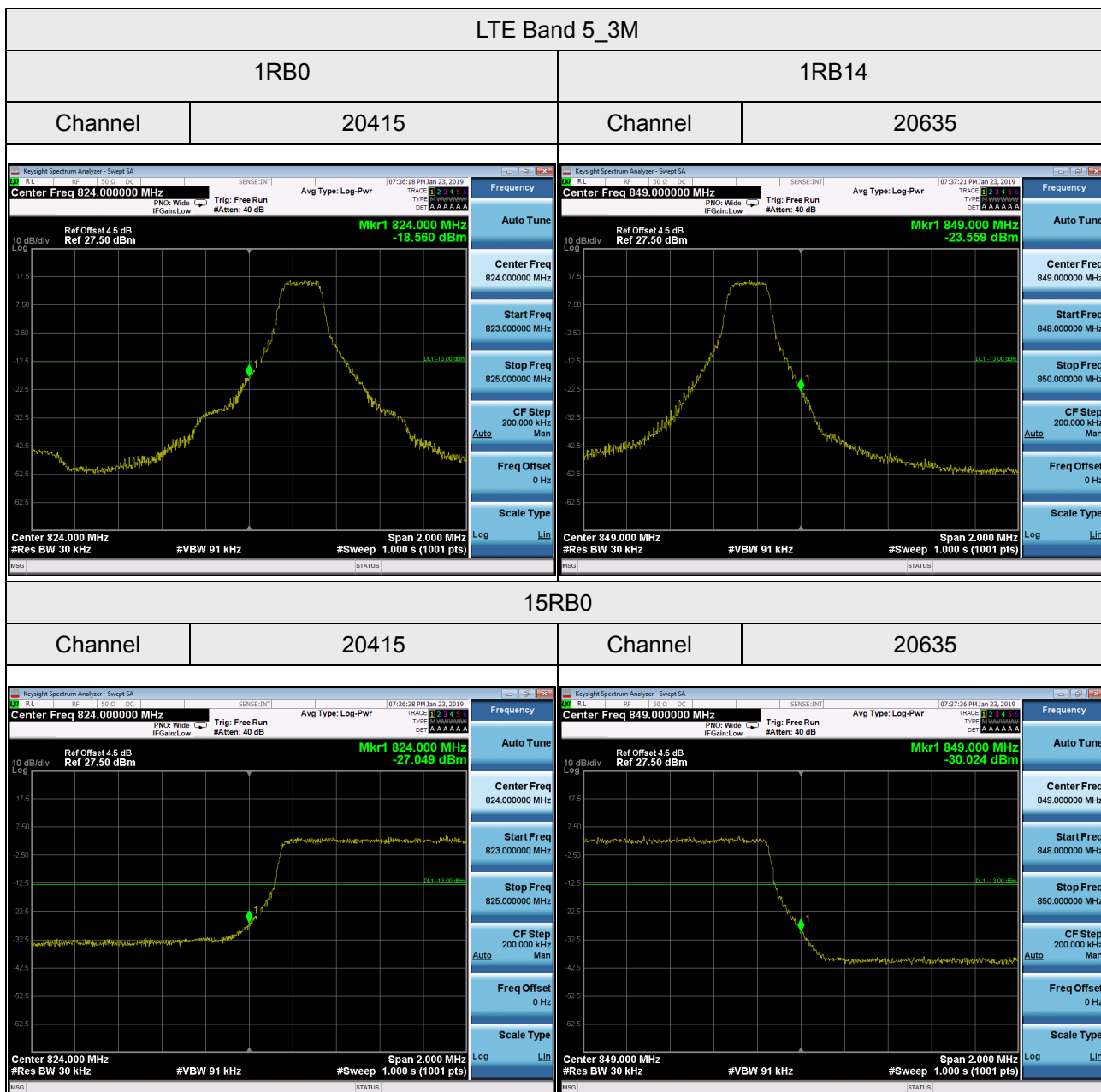
Channel

20407

Channel

20643





LTE Band 5\_5M

1RB0

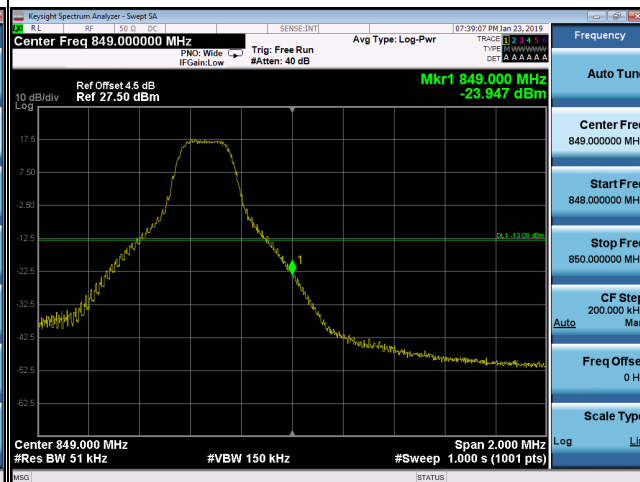
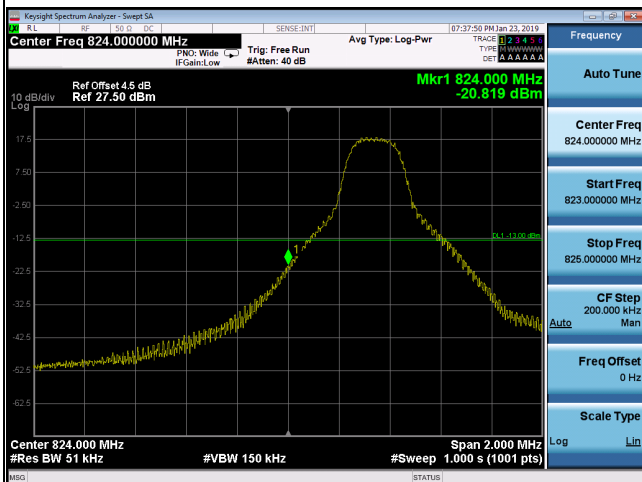
1RB24

Channel

20425

Channel

20625



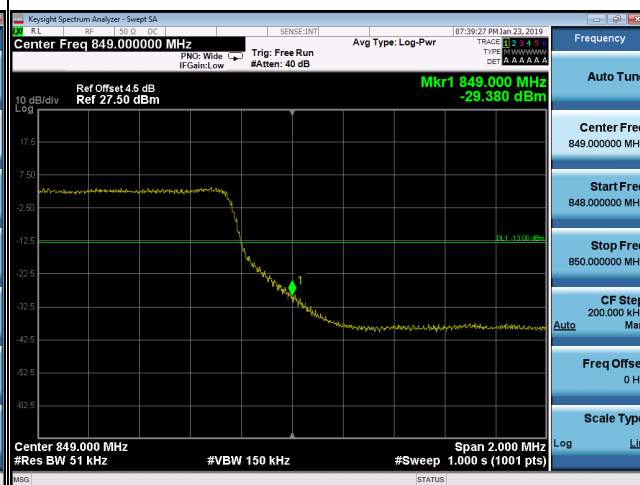
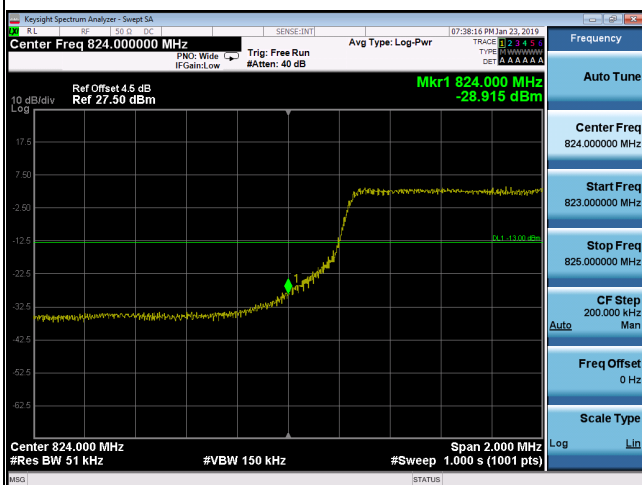
25RB0

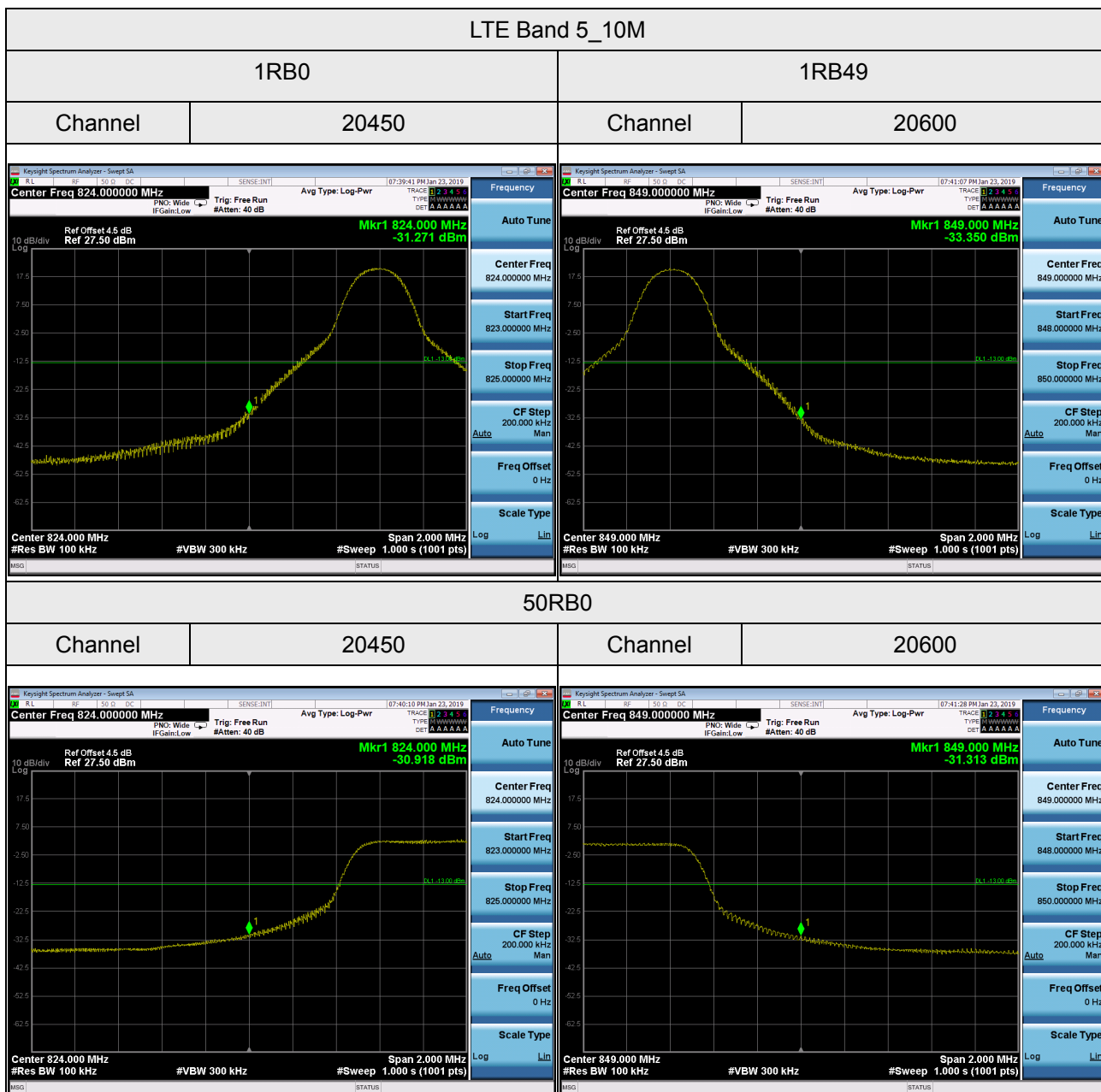
Channel

20425

Channel

20625



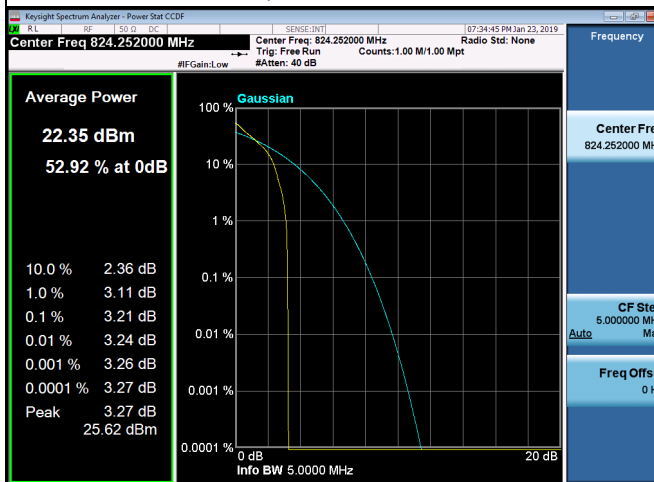




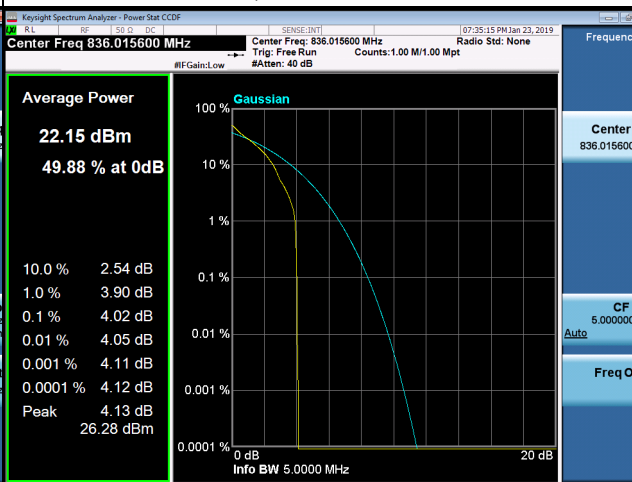
## APPENDIX H - PEAK TO AVERAGE RATIO

# LTE Band 5 Spectrum Plot\_1.4M

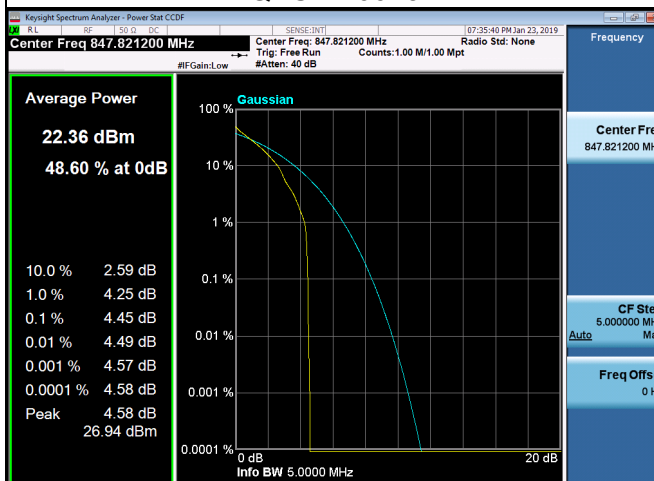
## QPSK-20407



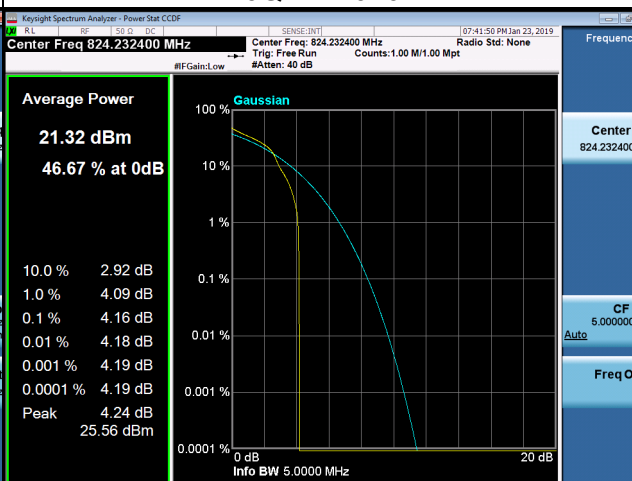
## QPSK-20525



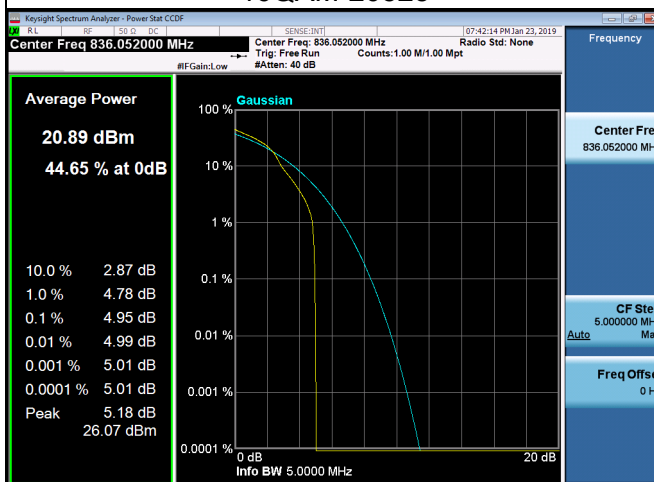
## QPSK-20643



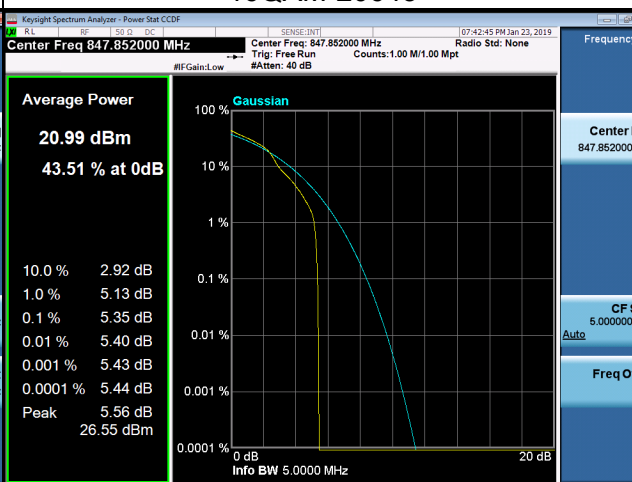
## 16QAM-20407



## 16QAM-20525

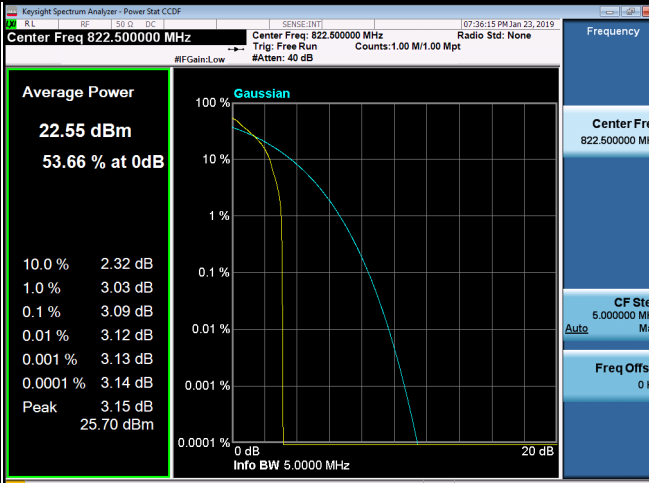


## 16QAM-20643

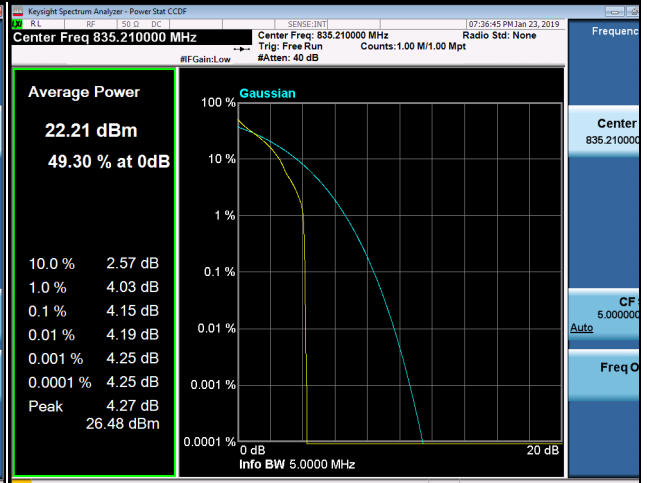


# LTE Band 5 Spectrum Plot\_3M

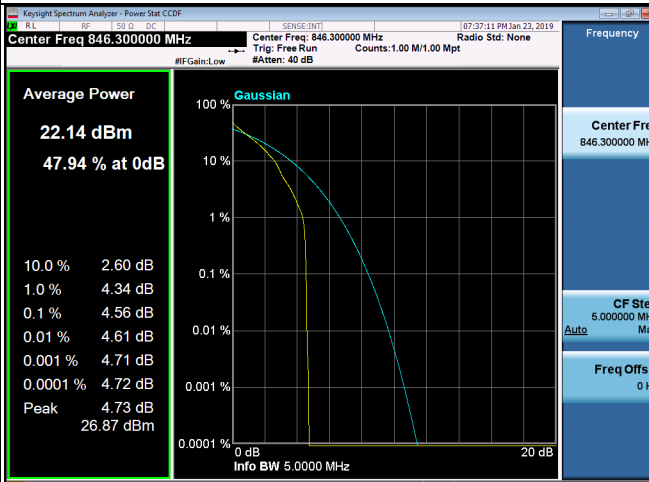
## QPSK-20415



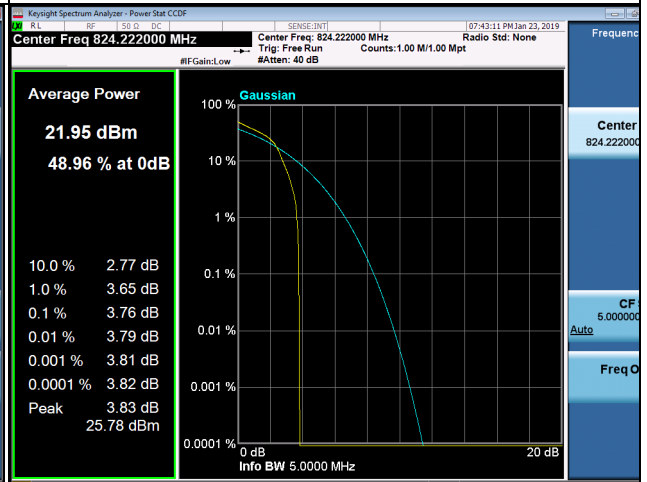
## QPSK-20525



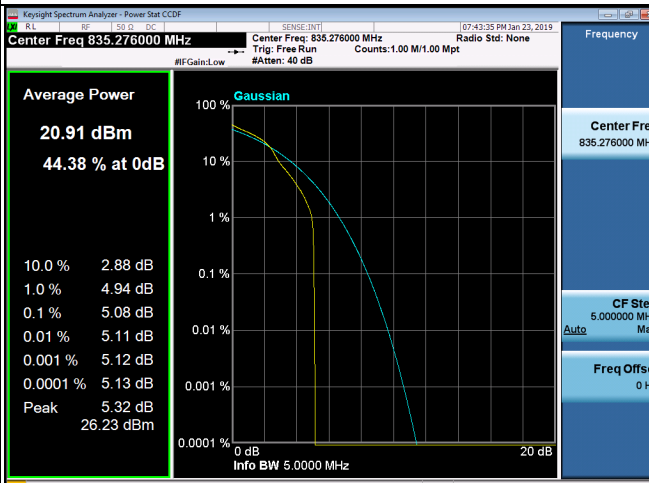
## QPSK-20635



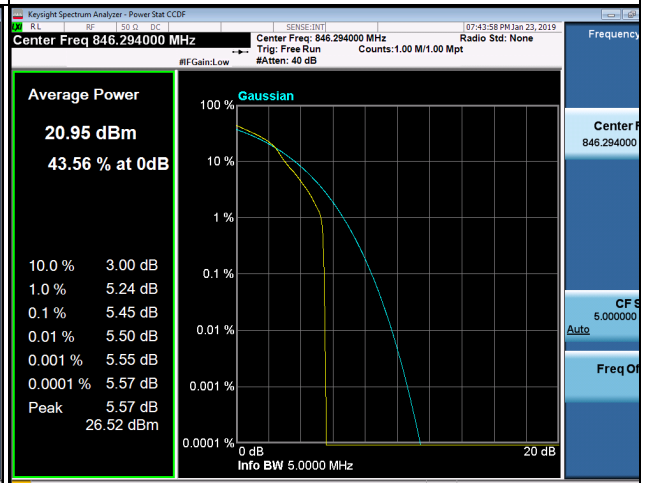
## 16QAM-20415



## 16QAM-20525

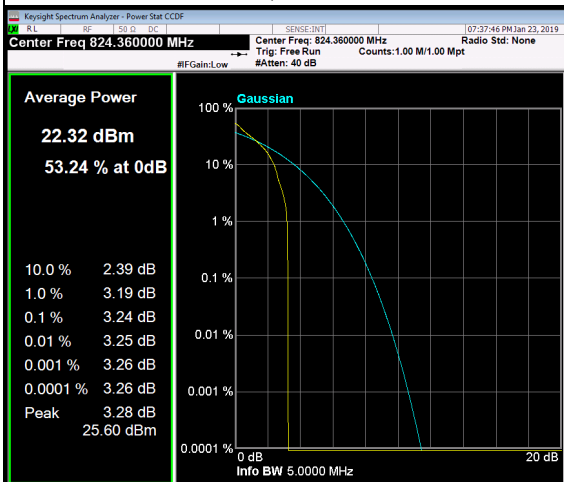


## 16QAM-20635

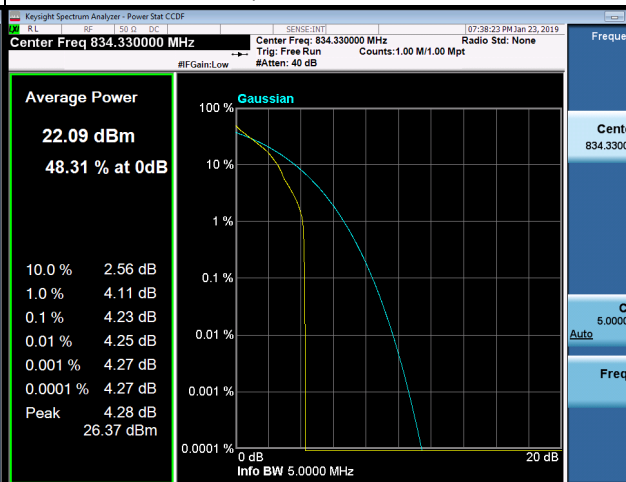


# LTE Band 5 Spectrum Plot\_5M

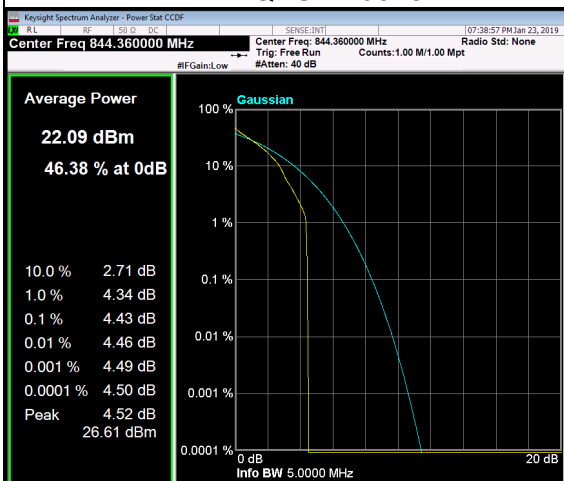
## QPSK-20425



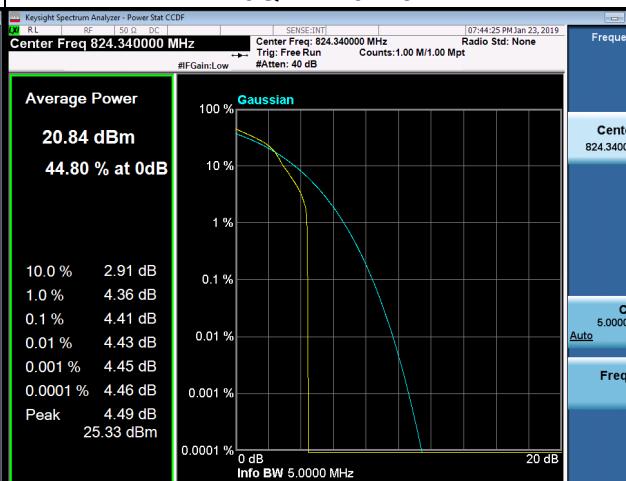
## QPSK-20525



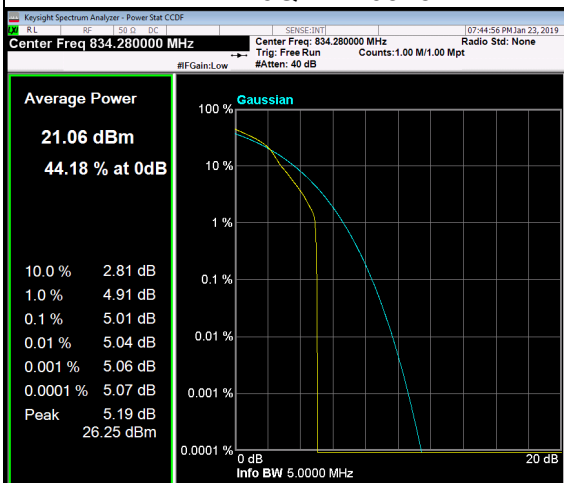
## QPSK-20625



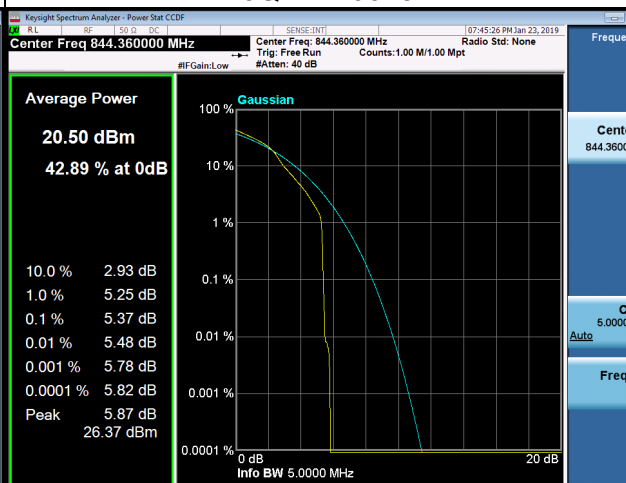
## 16QAM-20425



## 16QAM-20525

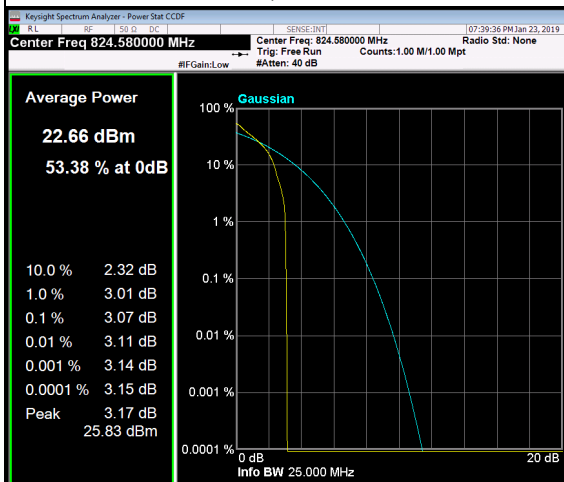


## 16QAM-20625

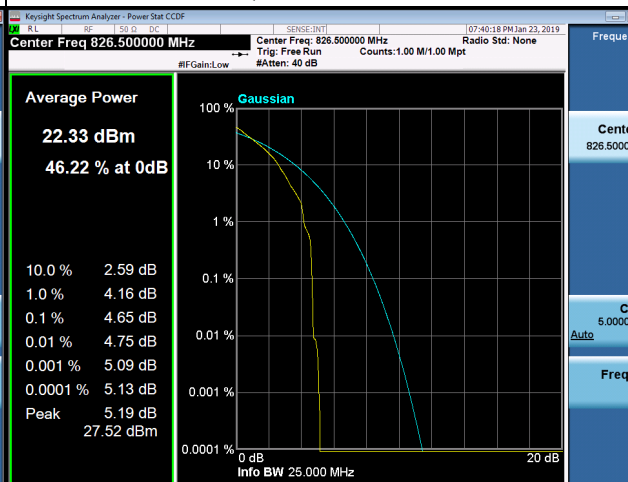


# LTE Band 5 Spectrum Plot\_10M

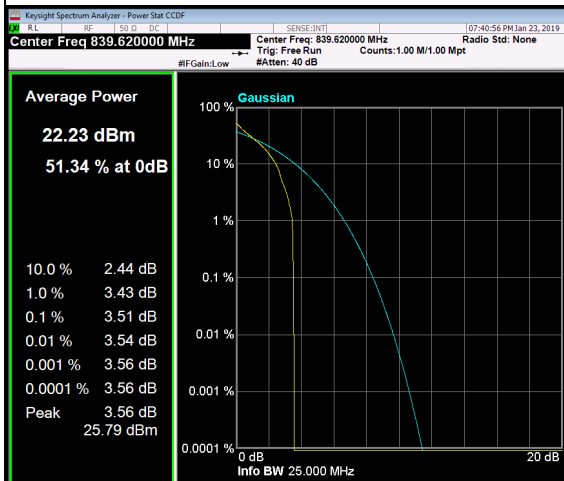
## QPSK-20450



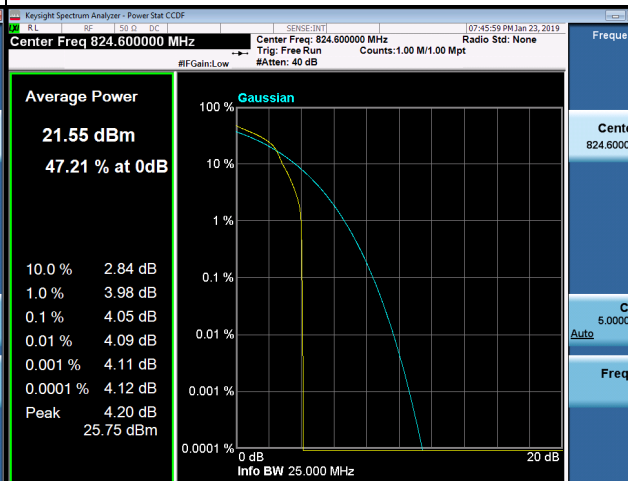
## QPSK-20525



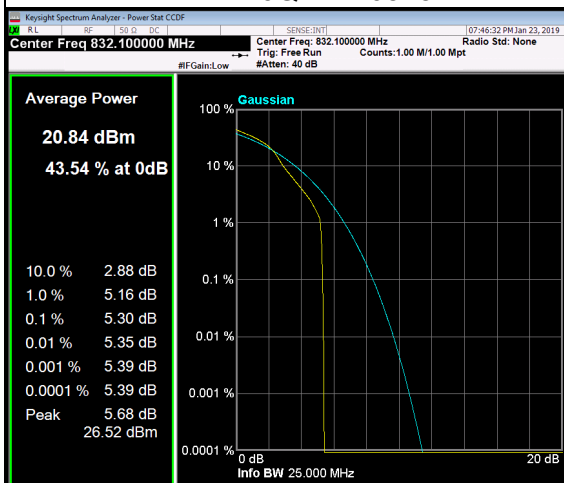
## QPSK-20600



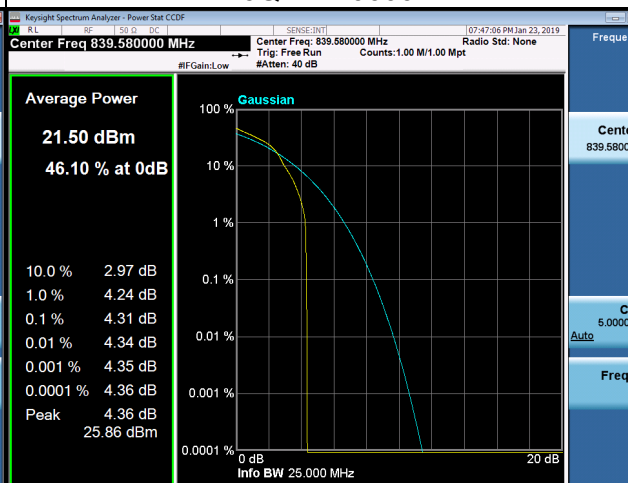
## 16QAM-20450



## 16QAM-20525



## 16QAM-20600



## APPENDIX G - FREQUENCY STABILITY

|            |                         |
|------------|-------------------------|
| Test Mode: | LTE Band 5_CH20525_1.4M |
|------------|-------------------------|

#### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -10                  | -5.33                | -0.006371787          | ± 2.5      |
| 0                    | -3.46                | -0.004136282          |            |
| 10                   | -2.94                | -0.003514644          |            |
| 20                   | 5.21                 | 0.006228332           |            |
| 30                   | -3.17                | -0.0037896            |            |
| 40                   | -2.35                | -0.002809325          |            |
| 50                   | 3.68                 | 0.004399283           |            |
| 55                   | 4.64                 | 0.005546922           |            |
| Max. Deviation (ppm) | -5.33                | -0.006371787          |            |

#### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 13.2                 | 2.91                 | 0.003478781           | ± 2.5      |
| 12                   | 2.98                 | 0.003562463           |            |
| 10.8                 | -3.41                | -0.004076509          |            |
| Max. Deviation (ppm) | -3.41                | -0.004076509          |            |

|            |                       |
|------------|-----------------------|
| Test Mode: | LTE Band 5_CH20525_3M |
|------------|-----------------------|

### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -10                  | 3.46                 | 0.004136282           | ± 2.5      |
| 0                    | 4.62                 | 0.005523013           |            |
| 10                   | 5.51                 | 0.00658697            |            |
| 20                   | -3.13                | -0.003741781          |            |
| 30                   | 4.52                 | 0.005403467           |            |
| 40                   | -3.67                | -0.004387328          |            |
| 50                   | 2.13                 | 0.002546324           |            |
| 55                   | 3.96                 | 0.004734011           |            |
| Max. Deviation (ppm) | 5.51                 | 0.00658697            |            |

### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 13.2                 | -2.94                | -0.003514644          | ± 2.5      |
| 12                   | 2.65                 | 0.003167962           |            |
| 10.8                 | -3.53                | -0.004219964          |            |
| Max. Deviation (ppm) | -3.53                | -0.004219964          |            |



|            |                       |
|------------|-----------------------|
| Test Mode: | LTE Band 5_CH20525_5M |
|------------|-----------------------|

### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -10                  | 3.75                 | 0.004482965           | ± 2.5      |
| 0                    | -1.36                | -0.001625822          |            |
| 10                   | 4.53                 | 0.005415421           |            |
| 20                   | -2.75                | -0.003287507          |            |
| 30                   | 4.10                 | 0.004901375           |            |
| 40                   | 5.24                 | 0.006264196           |            |
| 50                   | 3.60                 | 0.004303646           |            |
| 55                   | -2.64                | -0.003156007          |            |
| Max. Deviation (ppm) | 5.24                 | 0.006264196           |            |

### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 13.2                 | -3.54                | -0.004231919          | ± 2.5      |
| 12                   | -4.86                | -0.005809922          |            |
| 10.8                 | -2.55                | -0.003048416          |            |
| Max. Deviation (ppm) | -4.86                | -0.005809922          |            |

|            |                        |
|------------|------------------------|
| Test Mode: | LTE Band 5_CH20525_10M |
|------------|------------------------|

### Temperature vs. Frequency Stability

| Temperature(°C)      | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -10                  | 6.81                 | 0.008141064           | ±2.5       |
| 0                    | 1.80                 | 0.002151823           |            |
| 10                   | -4.21                | -0.005032875          |            |
| 20                   | -2.37                | -0.002833234          |            |
| 30                   | -5.72                | -0.006838016          |            |
| 40                   | 6.46                 | 0.007722654           |            |
| 50                   | 2.35                 | 0.002809325           |            |
| 55                   | 1.84                 | 0.002199641           |            |
| Max. Deviation (ppm) | 6.81                 | 0.008141064           |            |

### Voltage vs. Frequency Stability

| Voltage(Volts)       | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 13.2                 | -3.46                | -0.004136282          | ±2.5       |
| 12                   | -3.02                | -0.003610281          |            |
| 10.8                 | 3.41                 | 0.004076509           |            |
| Max. Deviation (ppm) | -3.46                | -0.004136282          |            |

End of Test Report