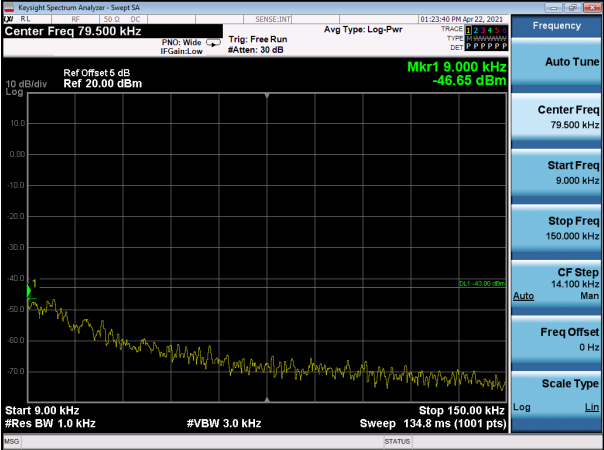
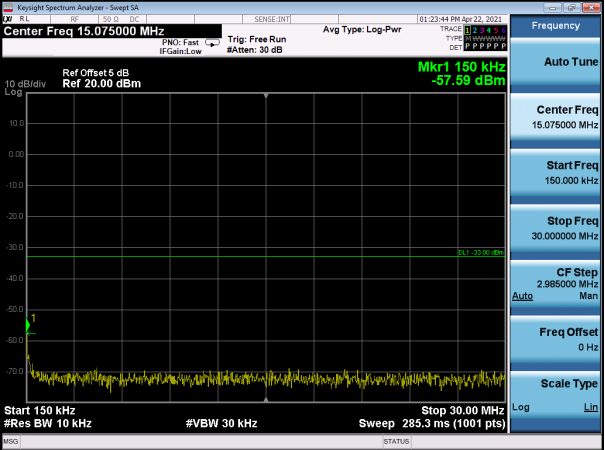
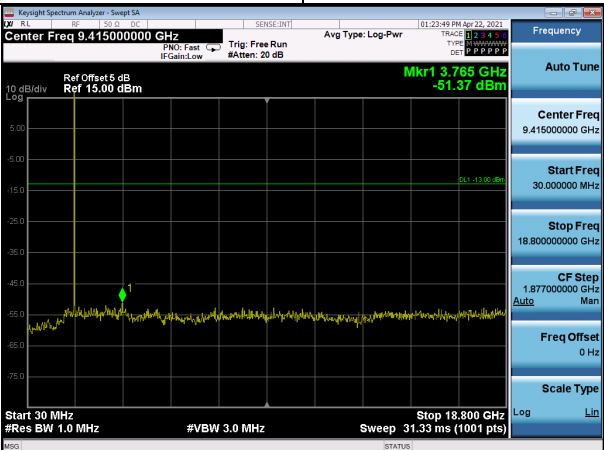
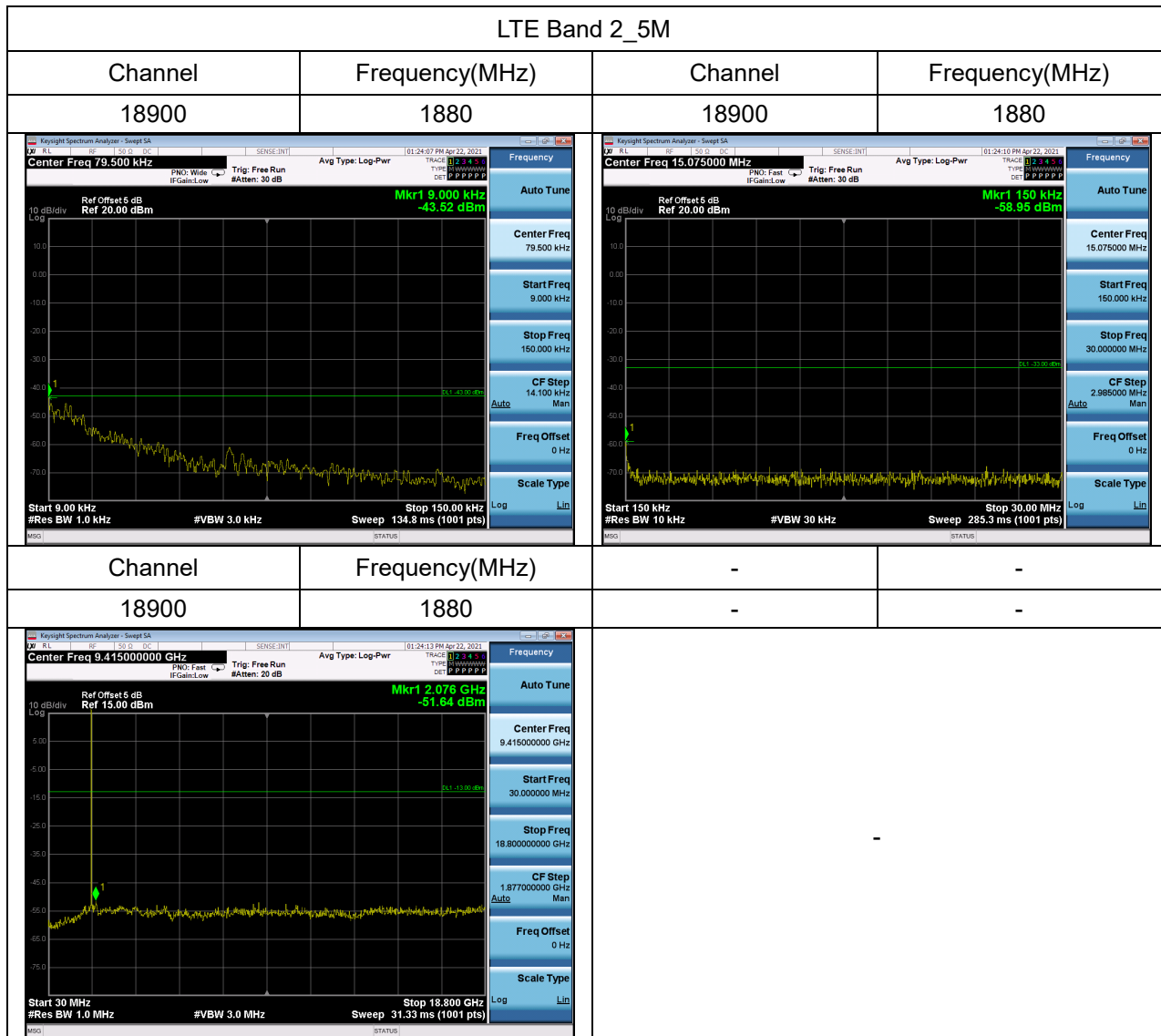
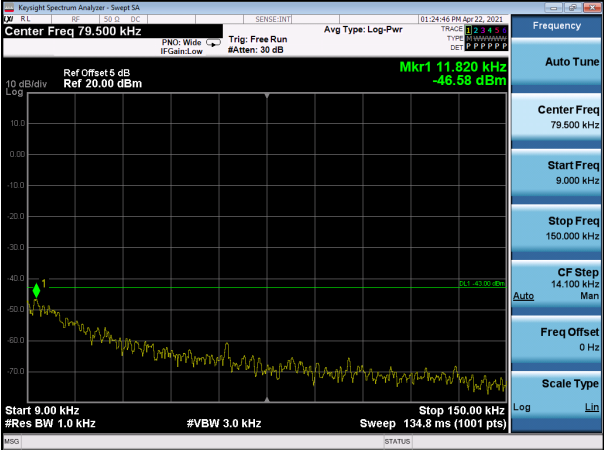
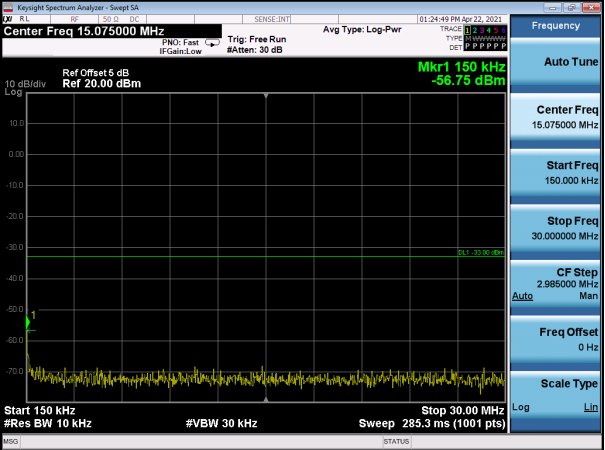
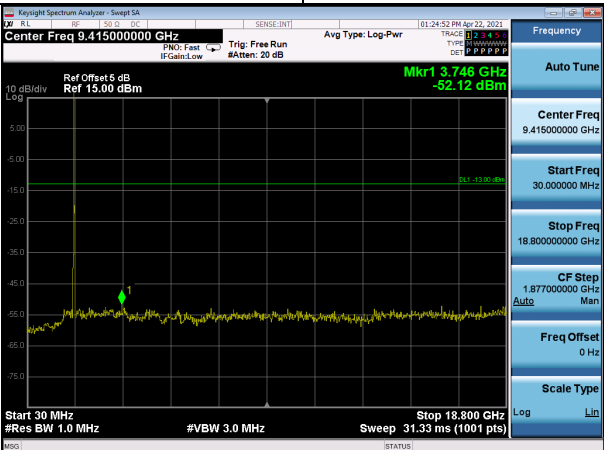


| LTE Band 2_1.4M                                                                    |                |                                                                                    |                |
|------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------|----------------|
| Channel                                                                            | Frequency(MHz) | Channel                                                                            | Frequency(MHz) |
| 18900                                                                              | 1880           | 18900                                                                              | 1880           |
|   |                |  |                |
| Channel                                                                            | Frequency(MHz) | -                                                                                  | -              |
| 18900                                                                              | 1880           | -                                                                                  | -              |
|  |                |                                                                                    |                |



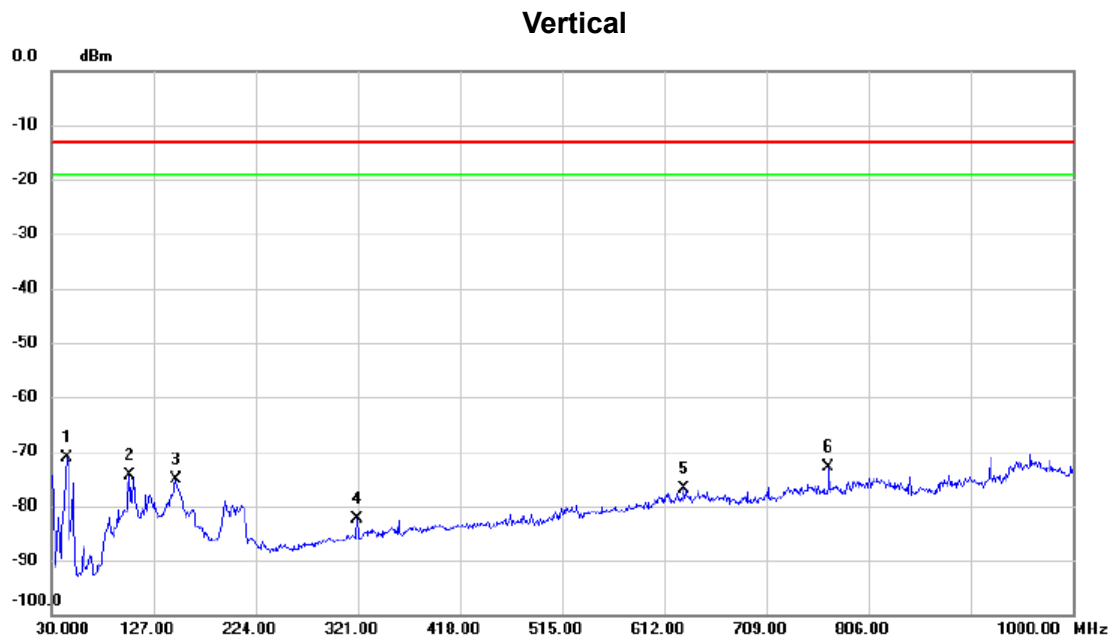
| LTE Band 2_20M                                                                     |                |                                                                                    |                |
|------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------|----------------|
| Channel                                                                            | Frequency(MHz) | Channel                                                                            | Frequency(MHz) |
| 18900                                                                              | 1880           | 18900                                                                              | 1880           |
|   |                |  |                |
| Channel                                                                            | Frequency(MHz) | -                                                                                  | -              |
| 18900                                                                              | 1880           | -                                                                                  | -              |
|  |                |                                                                                    |                |

## **APPENDIX D - RADIATED EMISSION (9KHZ TO 30MHZ)**

Note: Below 30MHz, The measured value have enough margin over 20dB than the limit, therefore they are not reported.

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

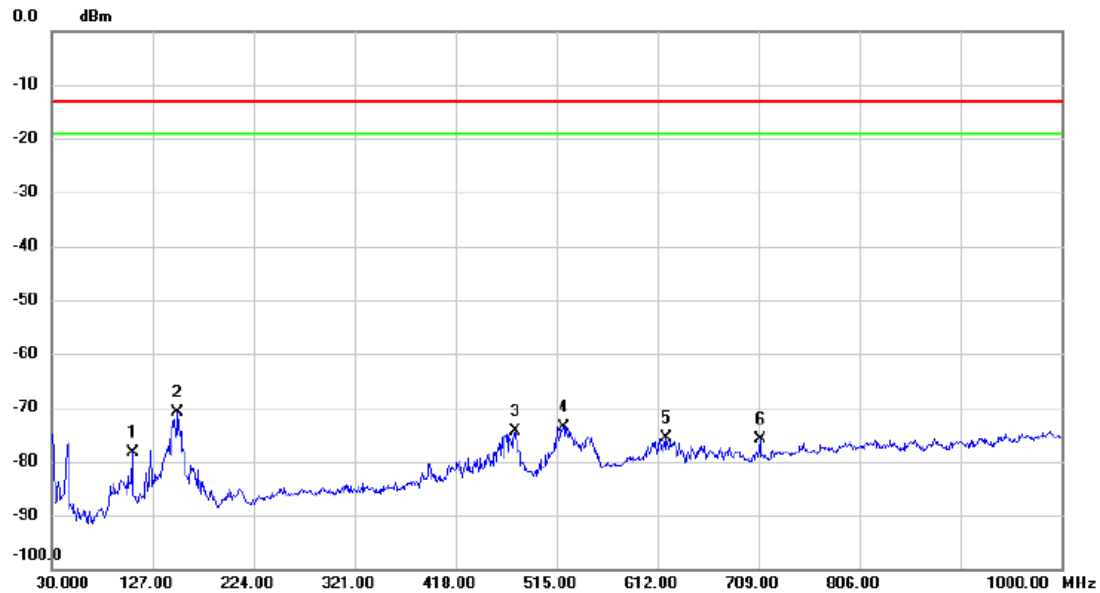
|            |                   |
|------------|-------------------|
| Test Mode: | PCS1900_TX CH661_ |
|------------|-------------------|



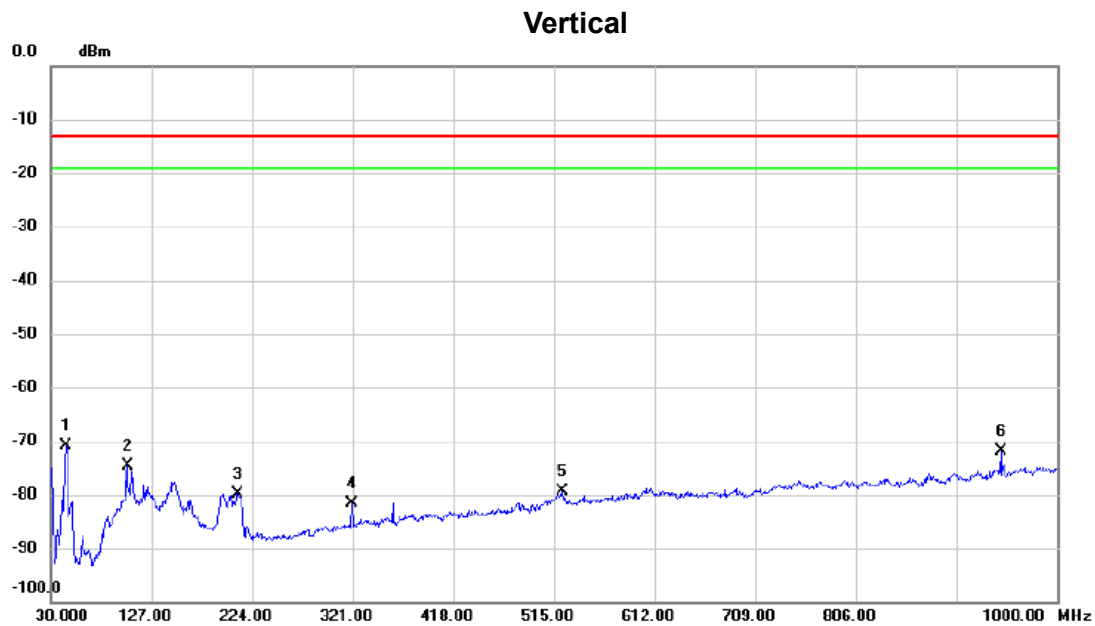
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   | *   | 45.0350      | -60.01                  | -11.18                  | -71.19                  | -13.00       | -58.19       | RMS      |         |
| 2   |     | 103.7200     | -76.82                  | 2.44                    | -74.38                  | -13.00       | -61.38       | RMS      |         |
| 3   |     | 148.3400     | -75.78                  | 0.57                    | -75.21                  | -13.00       | -62.21       | RMS      |         |
| 4   |     | 320.0300     | -81.32                  | -1.00                   | -82.32                  | -13.00       | -69.32       | RMS      |         |
| 5   |     | 630.9150     | -81.06                  | 4.11                    | -76.95                  | -13.00       | -63.95       | RMS      |         |
| 6   |     | 768.1700     | -78.58                  | 5.70                    | -72.88                  | -13.00       | -59.88       | RMS      |         |

Test Mode: PCS1900\_TX CH661\_

## Horizontal



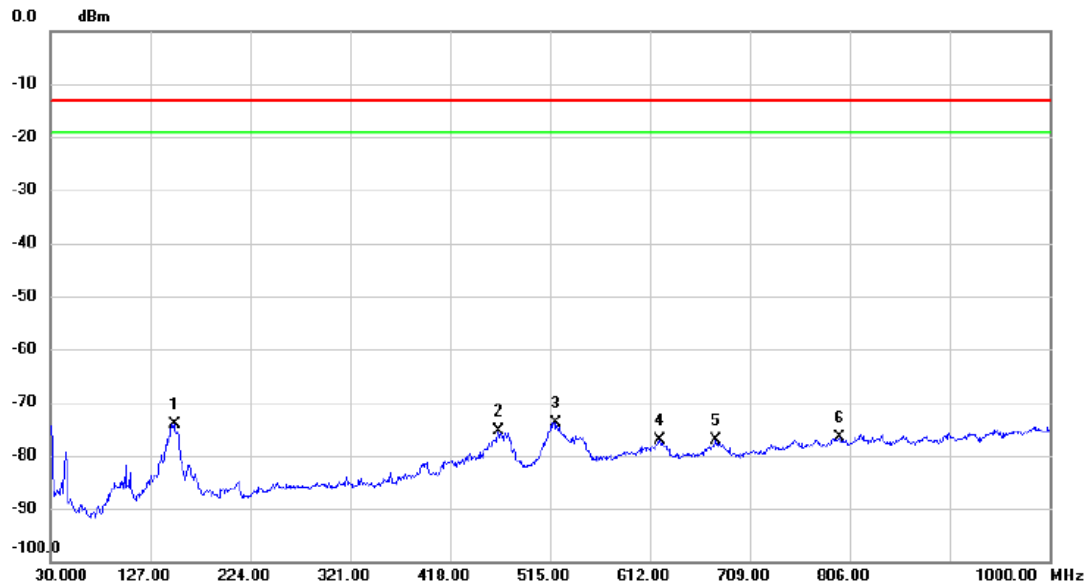
Test Mode: WCDMA Band II\_TX Mode



| 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   | *   | 45.0350      | -59.74                  | -11.18                  | -70.92                  | -13.00       | -57.92       | RMS      |         |
| 2   |     | 103.7200     | -77.08                  | 2.44                    | -74.64                  | -13.00       | -61.64       | RMS      |         |
| 3   |     | 210.4200     | -76.41                  | -3.53                   | -79.94                  | -13.00       | -66.94       | RMS      |         |
| 4   |     | 320.0300     | -80.56                  | -1.00                   | -81.56                  | -13.00       | -68.56       | RMS      |         |
| 5   |     | 523.2450     | -81.45                  | 2.10                    | -79.35                  | -13.00       | -66.35       | RMS      |         |
| 6   |     | 946.1650     | -79.00                  | 7.17                    | -71.83                  | -13.00       | -58.83       | RMS      |         |

Test Mode: WCDMA Band II\_TX Mode

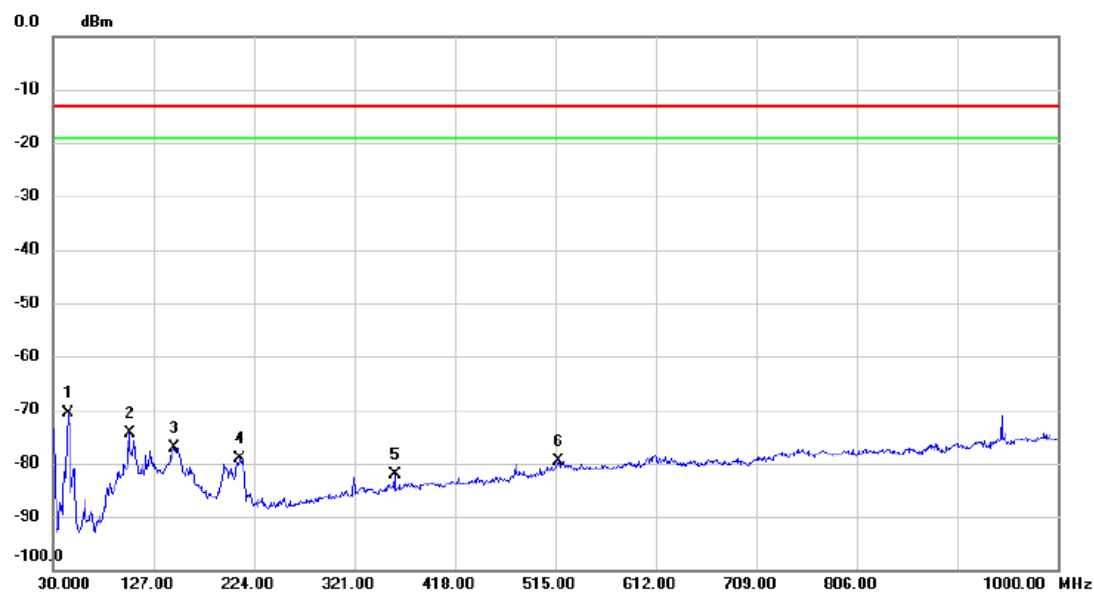
## Horizontal



| 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   |     | 150.2800     | -71.26                  | -2.82                   | -74.08                  | -13.00       | -61.08       | RMS      |         |
| 2   |     | 465.0450     | -76.50                  | 1.09                    | -75.41                  | -13.00       | -62.41       | RMS      |         |
| 3   | *   | 520.3350     | -75.99                  | 2.20                    | -73.79                  | -13.00       | -60.79       | RMS      |         |
| 4   |     | 621.7000     | -81.23                  | 4.10                    | -77.13                  | -13.00       | -64.13       | RMS      |         |
| 5   |     | 676.0200     | -81.26                  | 4.11                    | -77.15                  | -13.00       | -64.15       | RMS      |         |
| 6   |     | 796.3000     | -82.86                  | 6.36                    | -76.50                  | -13.00       | -63.50       | RMS      |         |

Test Mode: LTE Band 2\_TX CH18900\_20M

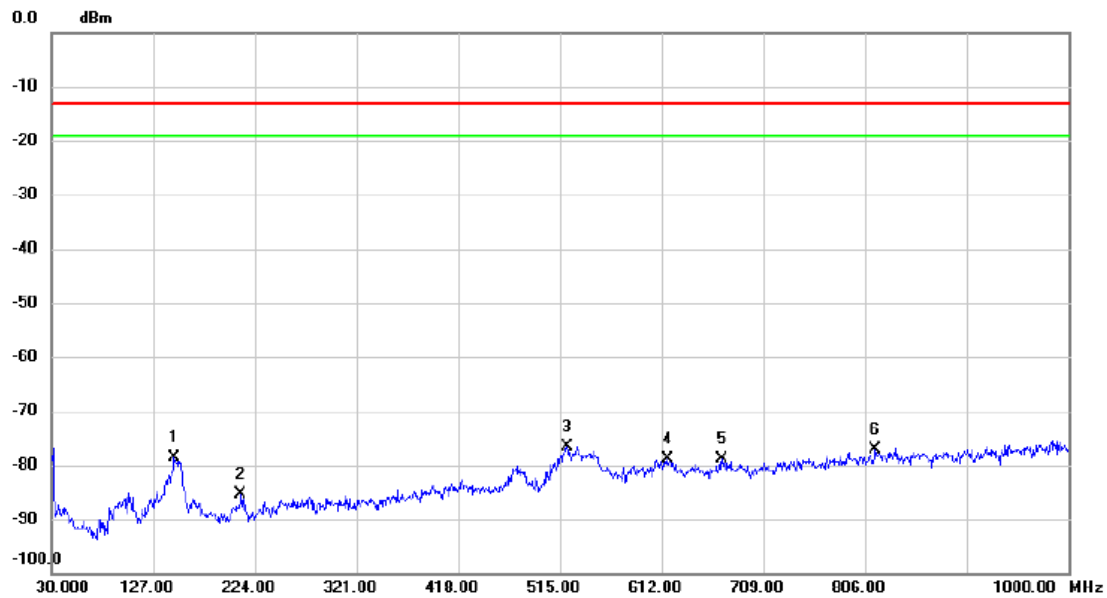
## Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Margin |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm          | dBm    | dB     | Detector | Comment |
| 1   | *   | 45.0350  | -59.51        | -11.18         | -70.69       | -13.00 | -57.69 | RMS      |         |
| 2   |     | 103.7200 | -76.92        | 2.44           | -74.48       | -13.00 | -61.48 | RMS      |         |
| 3   |     | 146.4000 | -77.82        | 0.65           | -77.17       | -13.00 | -64.17 | RMS      |         |
| 4   |     | 210.9050 | -75.54        | -3.53          | -79.07       | -13.00 | -66.07 | RMS      |         |
| 5   |     | 359.8000 | -81.89        | -0.14          | -82.03       | -13.00 | -69.03 | RMS      |         |
| 6   |     | 517.9100 | -81.64        | 1.93           | -79.71       | -13.00 | -66.71 | RMS      |         |

Test Mode: LTE Band 2\_TX CH18900\_20M

### Horizontal

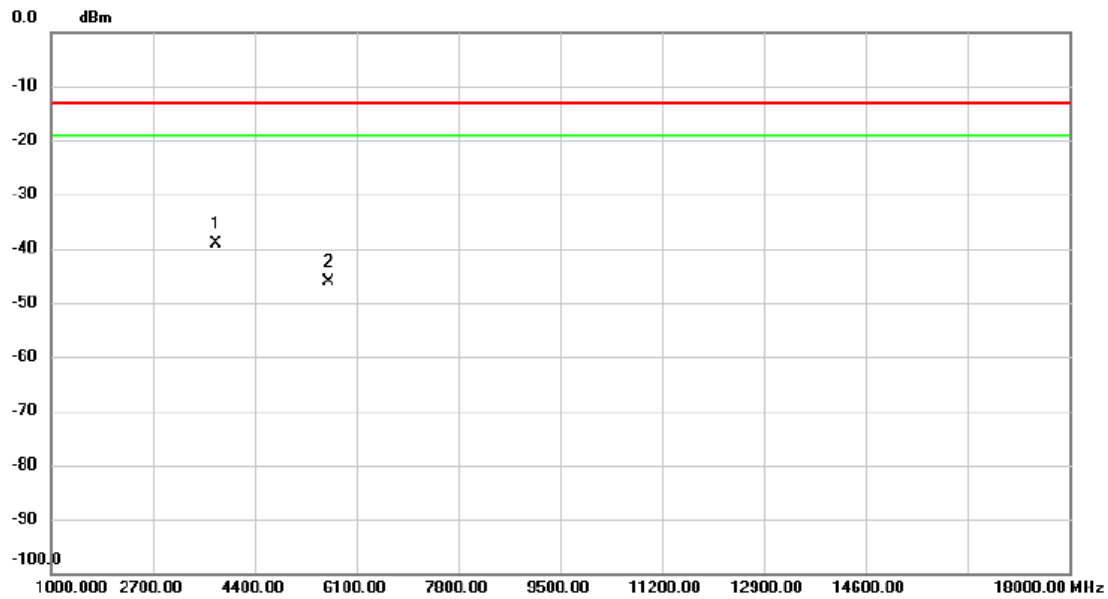


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 147.3700     | -75.72                  | -3.02                   | -78.74                  | -13.00       | -65.74       | RMS      |         |
| 2   |     | 210.9050     | -81.78                  | -3.58                   | -85.36                  | -13.00       | -72.36       | RMS      |         |
| 3   | *   | 522.2750     | -78.97                  | 2.26                    | -76.71                  | -13.00       | -63.71       | RMS      |         |
| 4   |     | 617.3350     | -82.90                  | 4.10                    | -78.80                  | -13.00       | -65.80       | RMS      |         |
| 5   |     | 669.7150     | -82.95                  | 4.11                    | -78.84                  | -13.00       | -65.84       | RMS      |         |
| 6   |     | 815.7000     | -83.51                  | 6.41                    | -77.10                  | -13.00       | -64.10       | RMS      |         |

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

Test Mode: PCS1900\_TX CH661\_

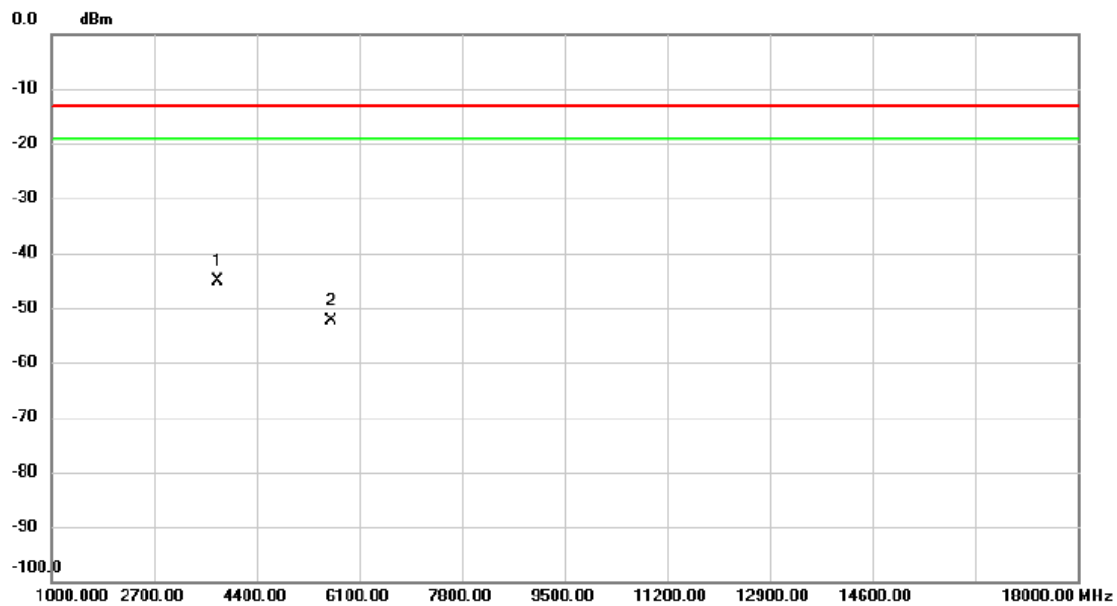
## Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     | Detector | Comment |
| 1   | *   | 3760.120 | -40.42        | 1.35           | -39.07      | -13.00 | -26.07 | RMS      |         |
| 2   |     | 5640.126 | -50.59        | 4.36           | -46.23      | -13.00 | -33.23 | RMS      |         |

|            |                   |
|------------|-------------------|
| Test Mode: | PCS1900_TX CH661_ |
|------------|-------------------|

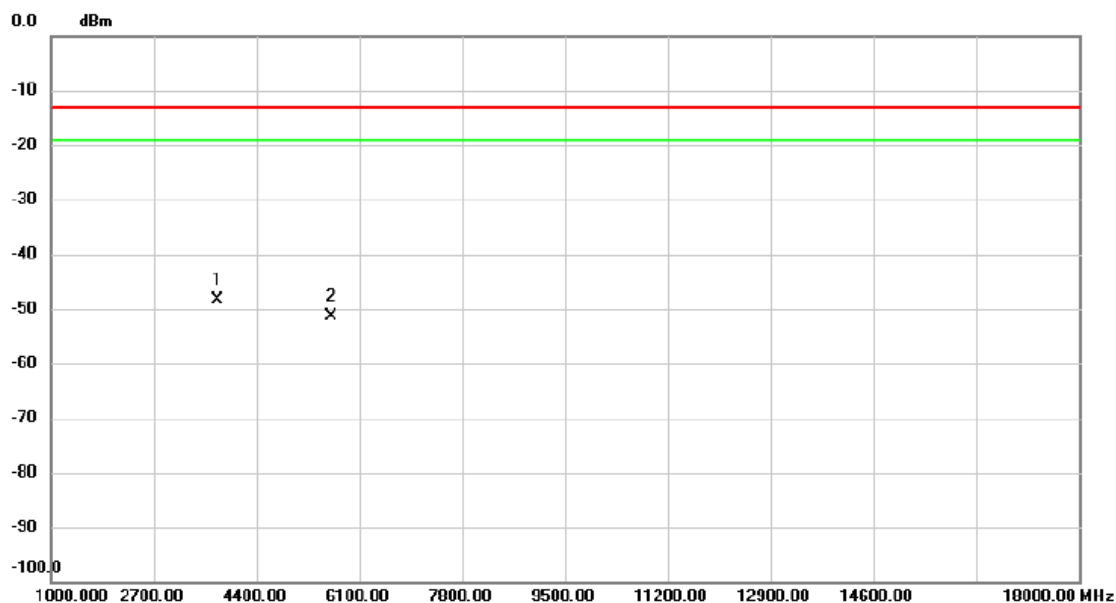
### Horizontal



| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Margin |          |         |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|---------|
|     |     | MHz      | Level   | Factor  | ment     |        |        | Detector | Comment |
|     |     |          | dBm     | dB      | dBm      | dBm    | dB     |          |         |
| 1   | *   | 3759.910 | -46.19  | 1.01    | -45.18   | -13.00 | -32.18 | RMS      |         |
| 2   |     | 5640.011 | -56.38  | 4.06    | -52.32   | -13.00 | -39.32 | RMS      |         |

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

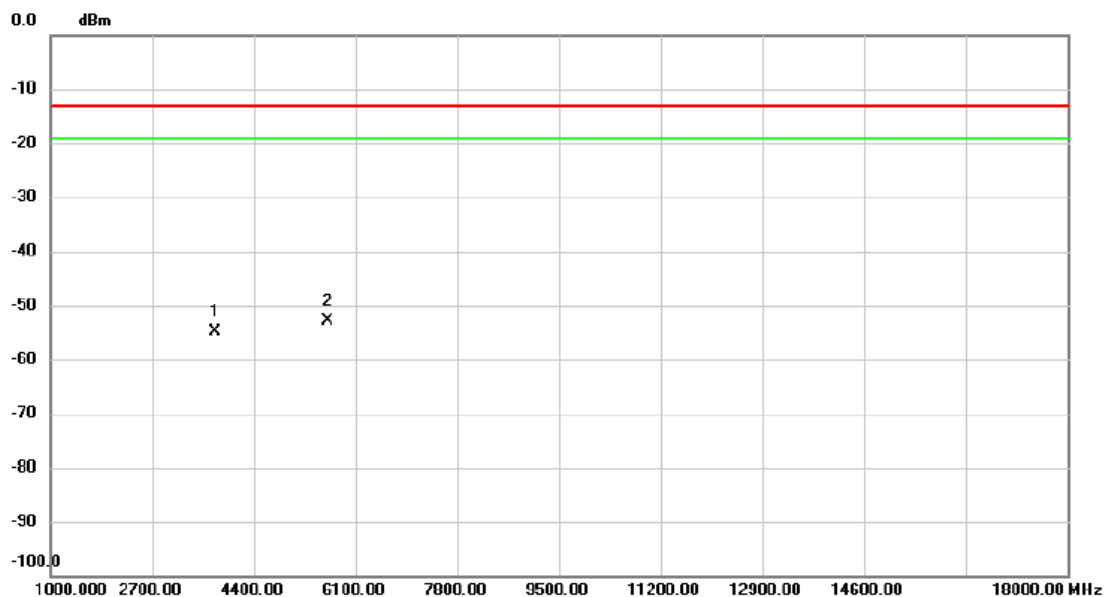
## Vertical



| 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   | *   | 3758.368     | -49.74                  | 1.35                    | -48.39                  | -13.00       | -35.39       | RMS      |         |
| 2   |     | 5637.462     | -55.73                  | 4.36                    | -51.37                  | -13.00       | -38.37       | RMS      |         |

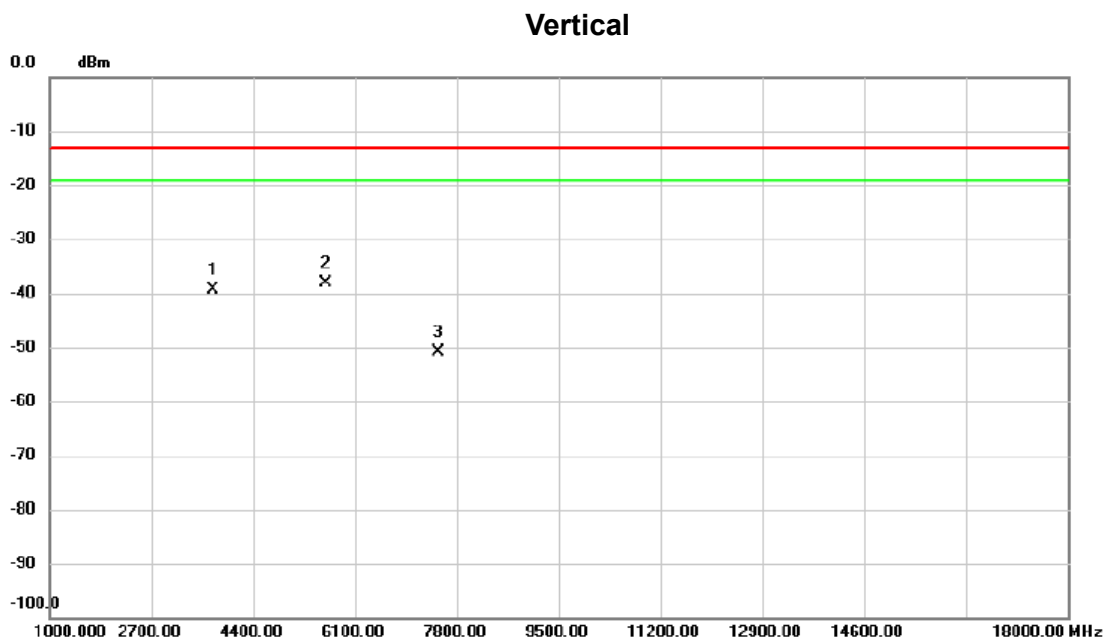
Test Mode: WCDMA Band II\_TX CH9400

### Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Margin |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm          | dBm    | dB     | Detector | Comment |
| 1   |     | 3758.406 | -55.95        | 1.01           | -54.94       | -13.00 | -41.94 | RMS      |         |
| 2   | *   | 5636.861 | -57.03        | 4.06           | -52.97       | -13.00 | -39.97 | RMS      |         |

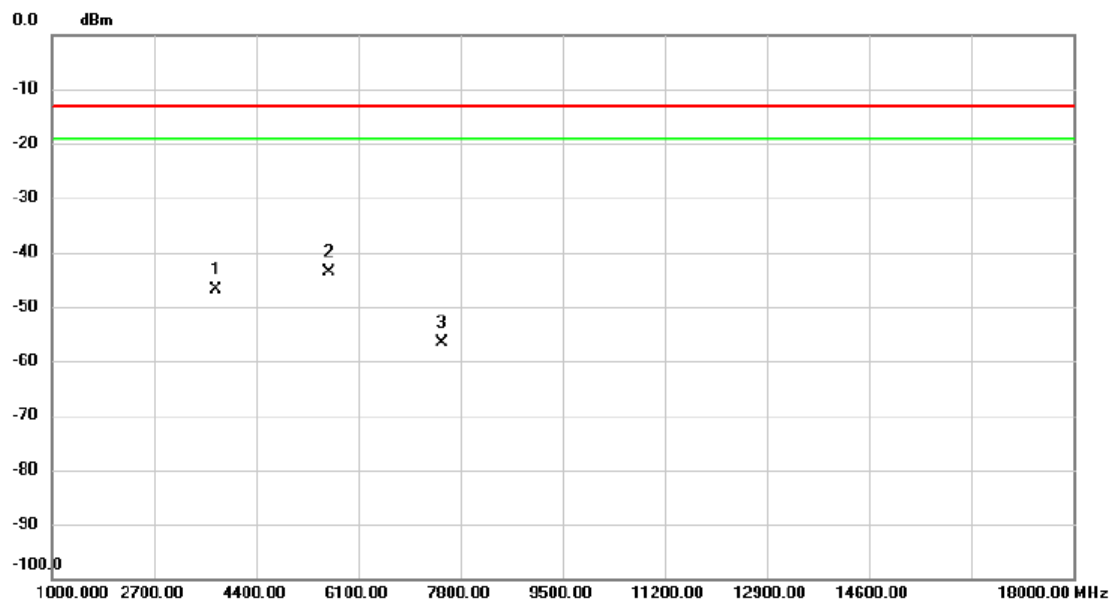
Test Mode: LTE Band 2\_TX CH18900\_20M



| 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   |     | 3742.148     | -40.78                  | 1.34                    | -39.44                  | -13.00       | -26.44       | RMS      |         |
| 2   | *   | 5613.349     | -42.47                  | 4.32                    | -38.15                  | -13.00       | -25.15       | RMS      |         |
| 3   |     | 7483.800     | -61.35                  | 10.49                   | -50.86                  | -13.00       | -37.86       | RMS      |         |

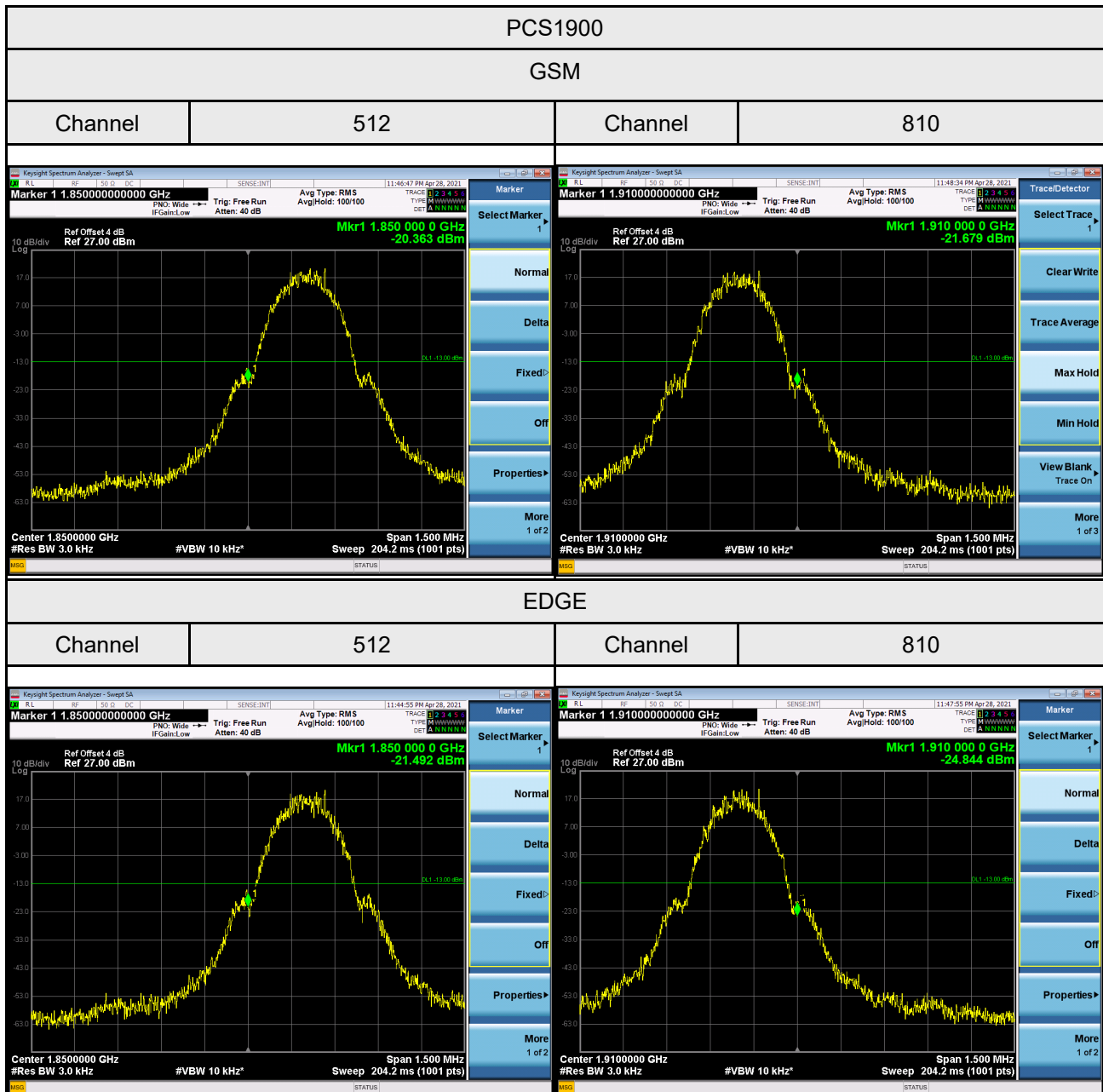
Test Mode: LTE Band 2\_TX CH18900\_20M

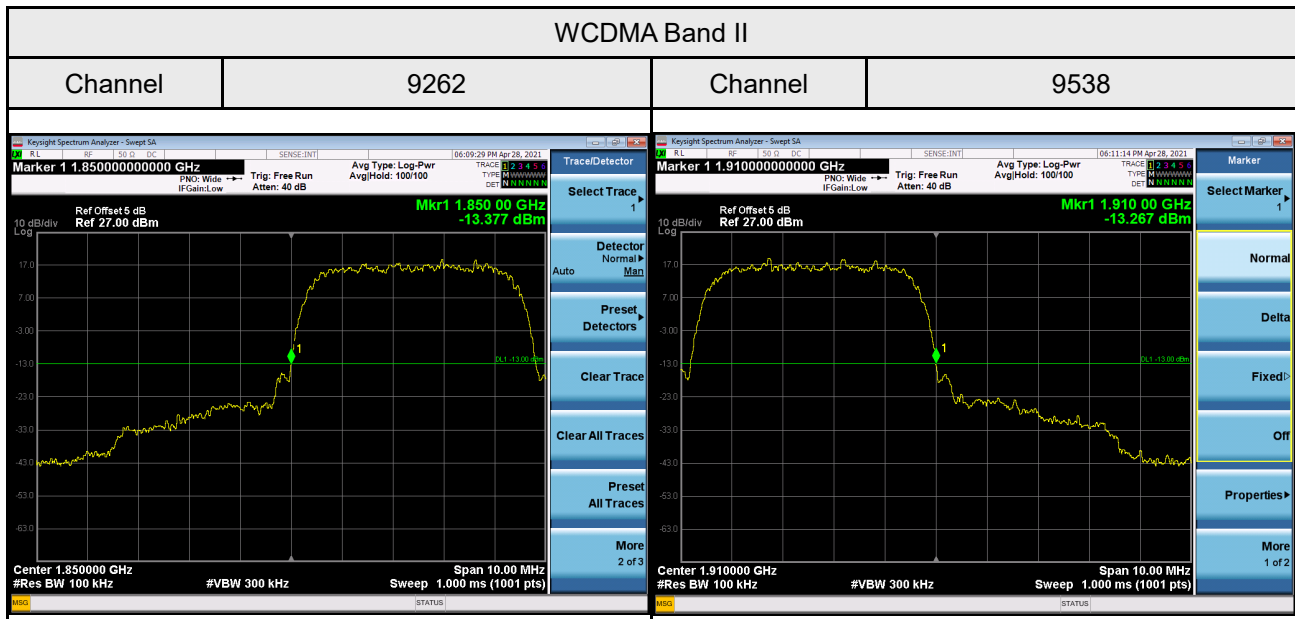
## Horizontal

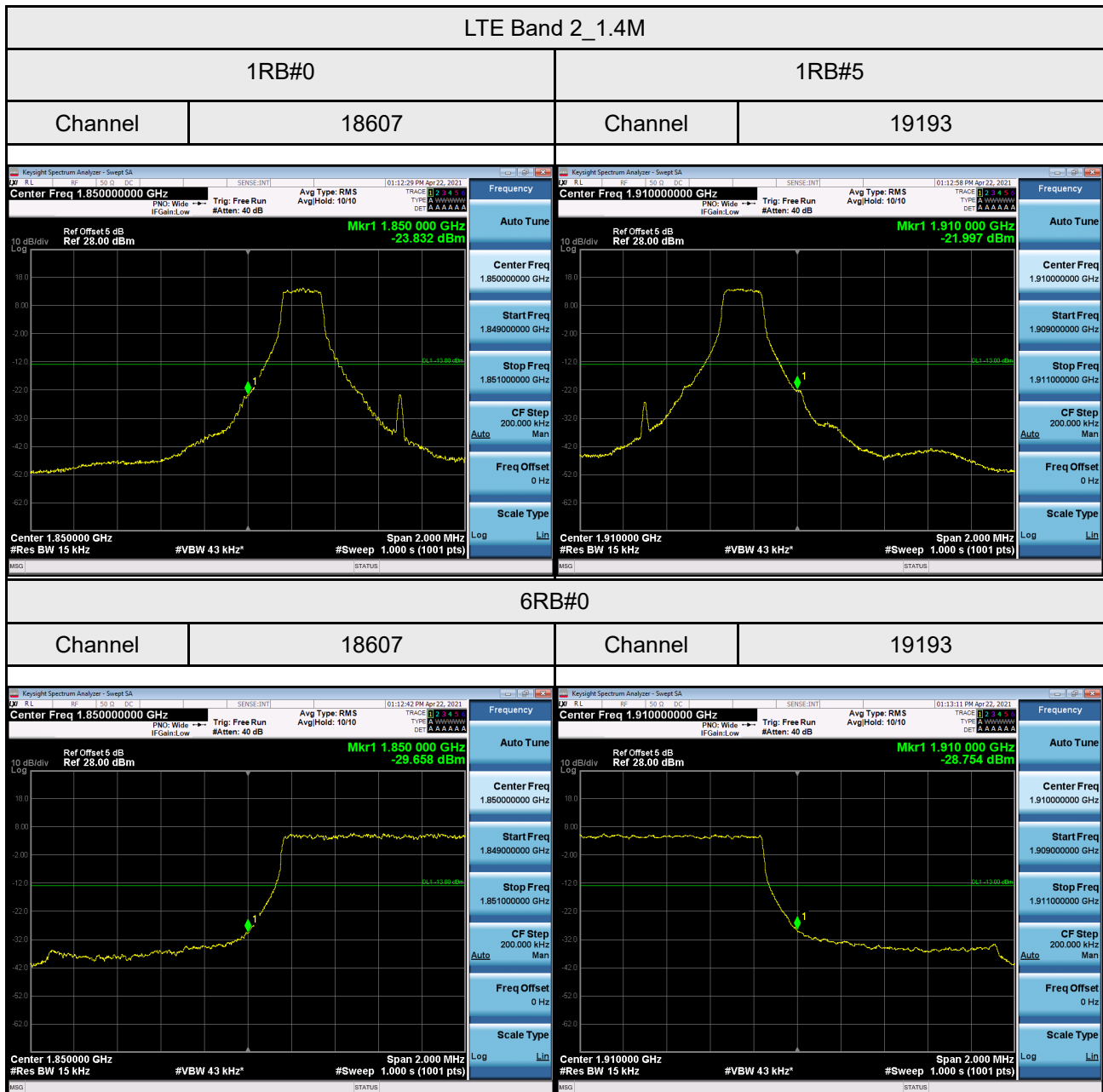


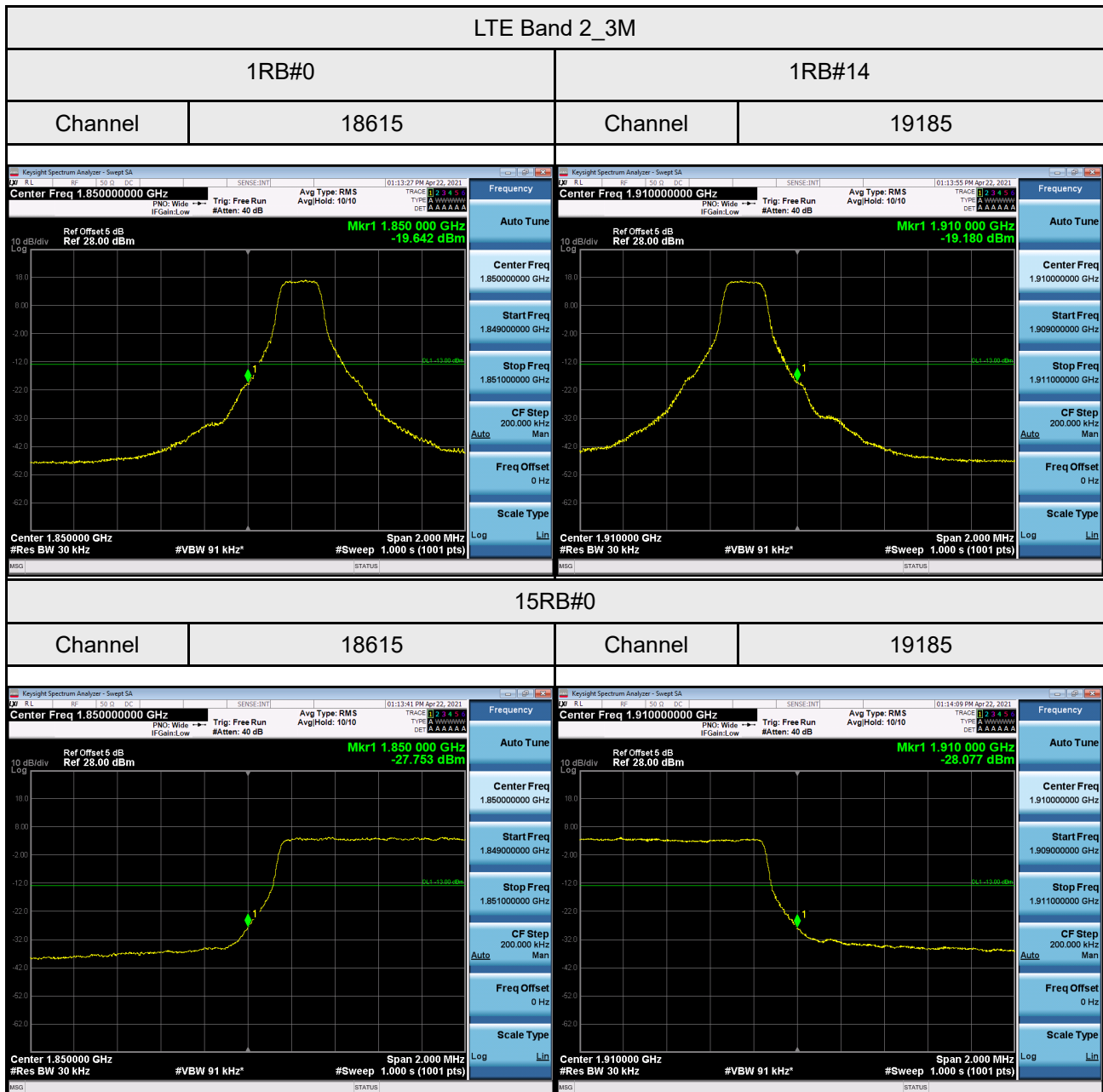
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBm | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBm | Limit<br>dBm | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1   |     | 3742.075     | -47.90                  | 0.94                    | -46.96                  | -13.00       | -33.96       | RMS      |         |
| 2   | *   | 5613.308     | -47.73                  | 4.05                    | -43.68                  | -13.00       | -30.68       | RMS      |         |
| 3   |     | 7483.980     | -66.84                  | 10.14                   | -56.70                  | -13.00       | -43.70       | RMS      |         |

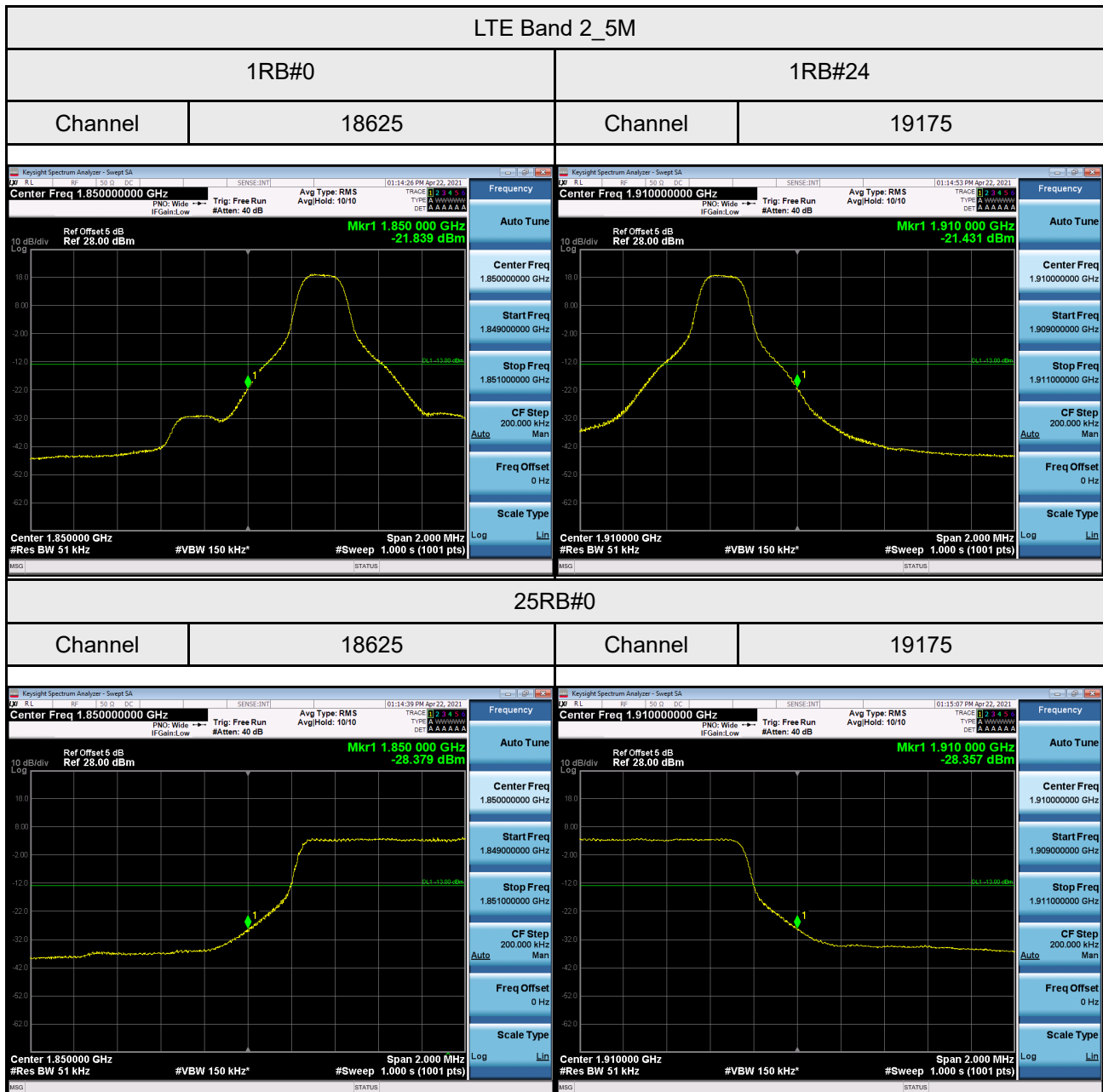
## **APPENDIX G - BAND EDGE**

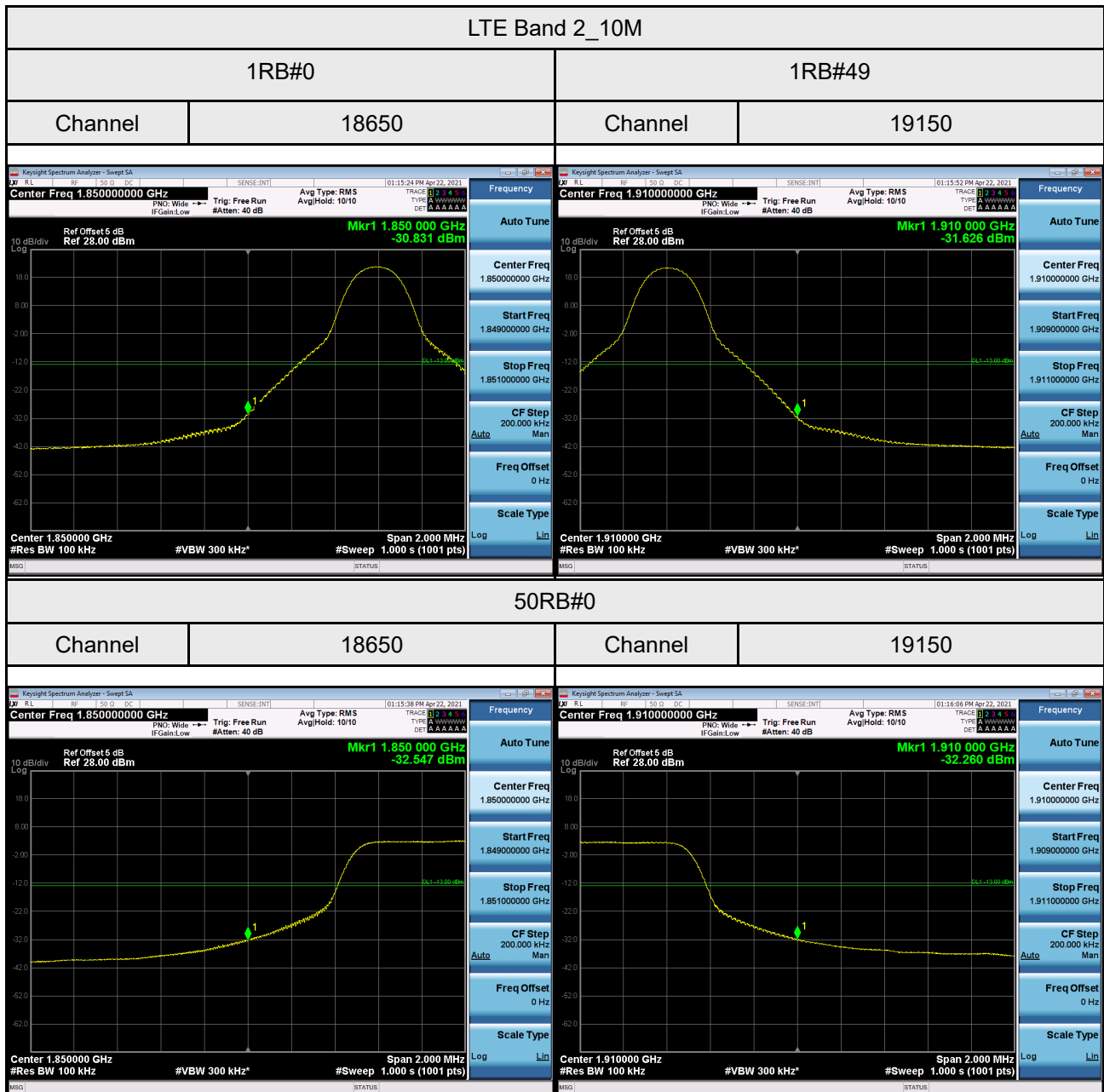


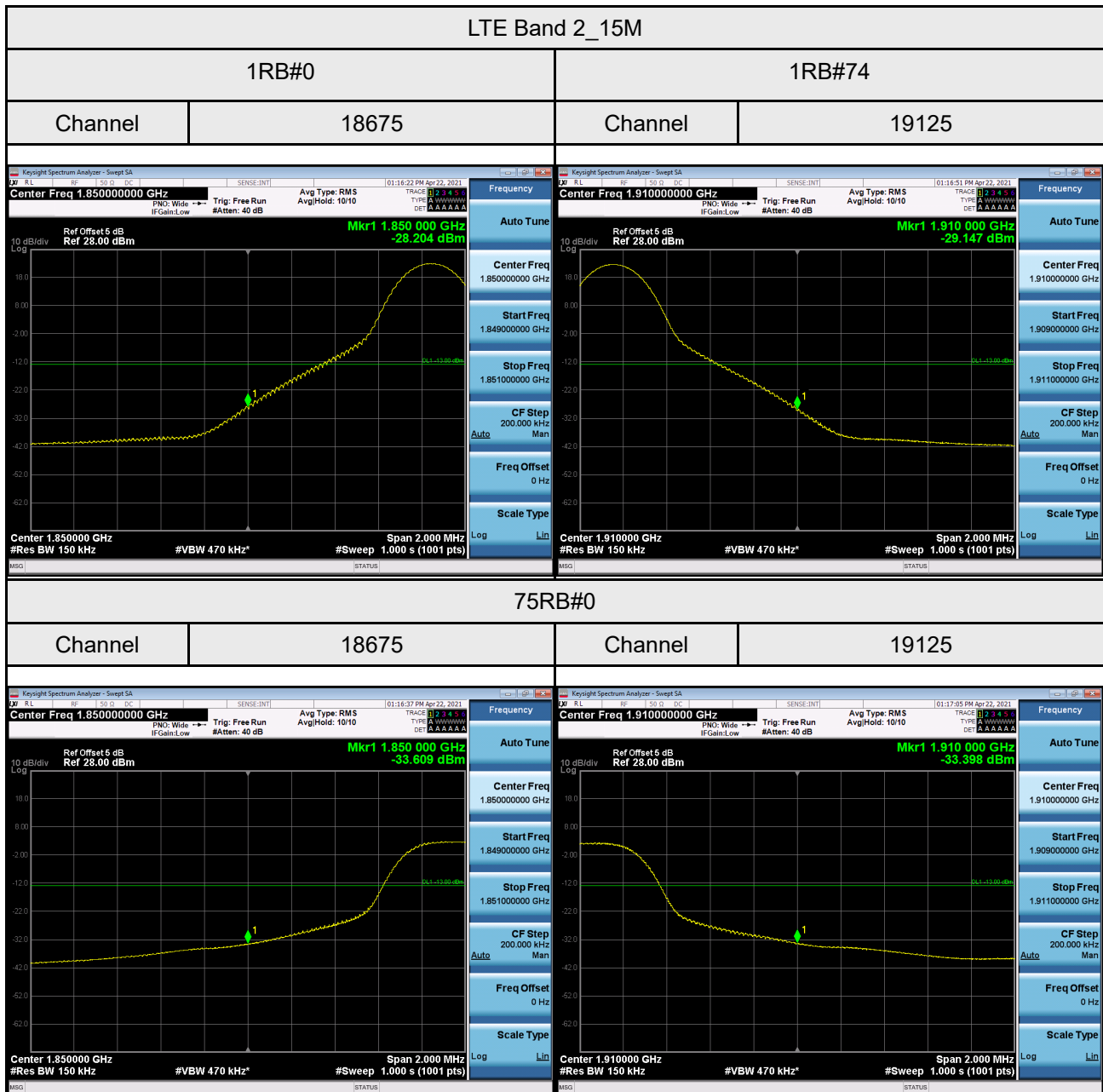


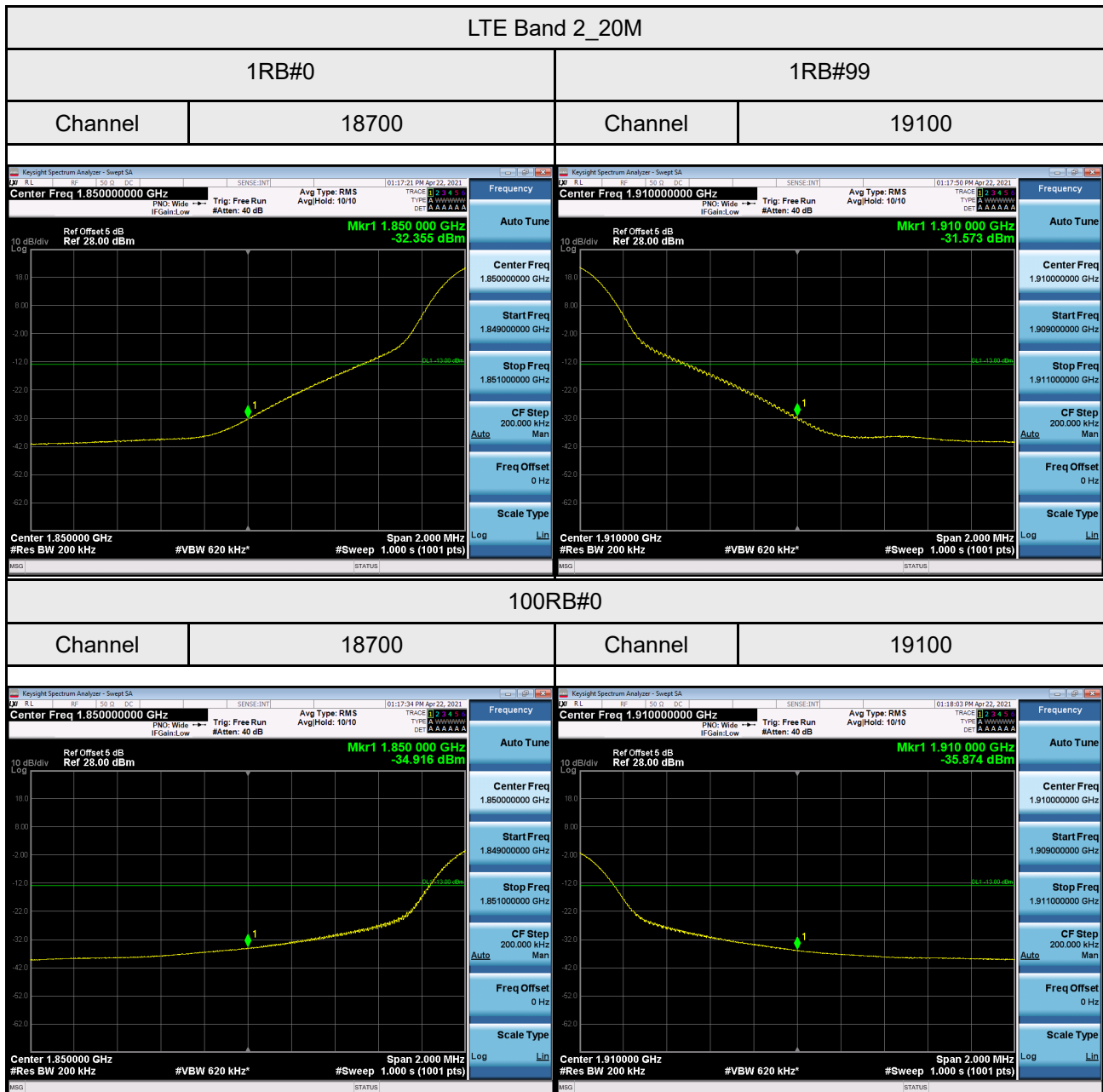










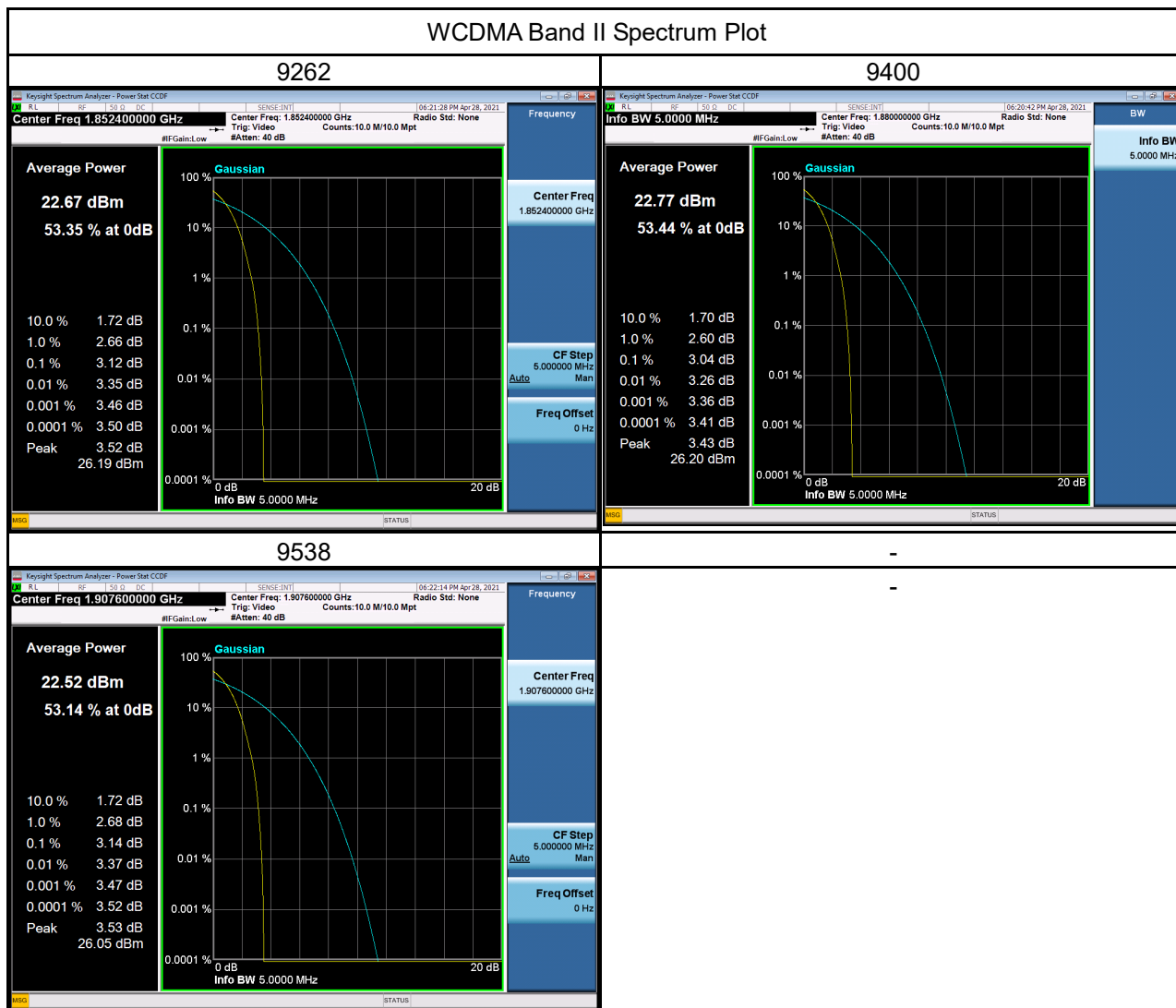


## **APPENDIX H - PEAK TO AVERAGE RATIO**

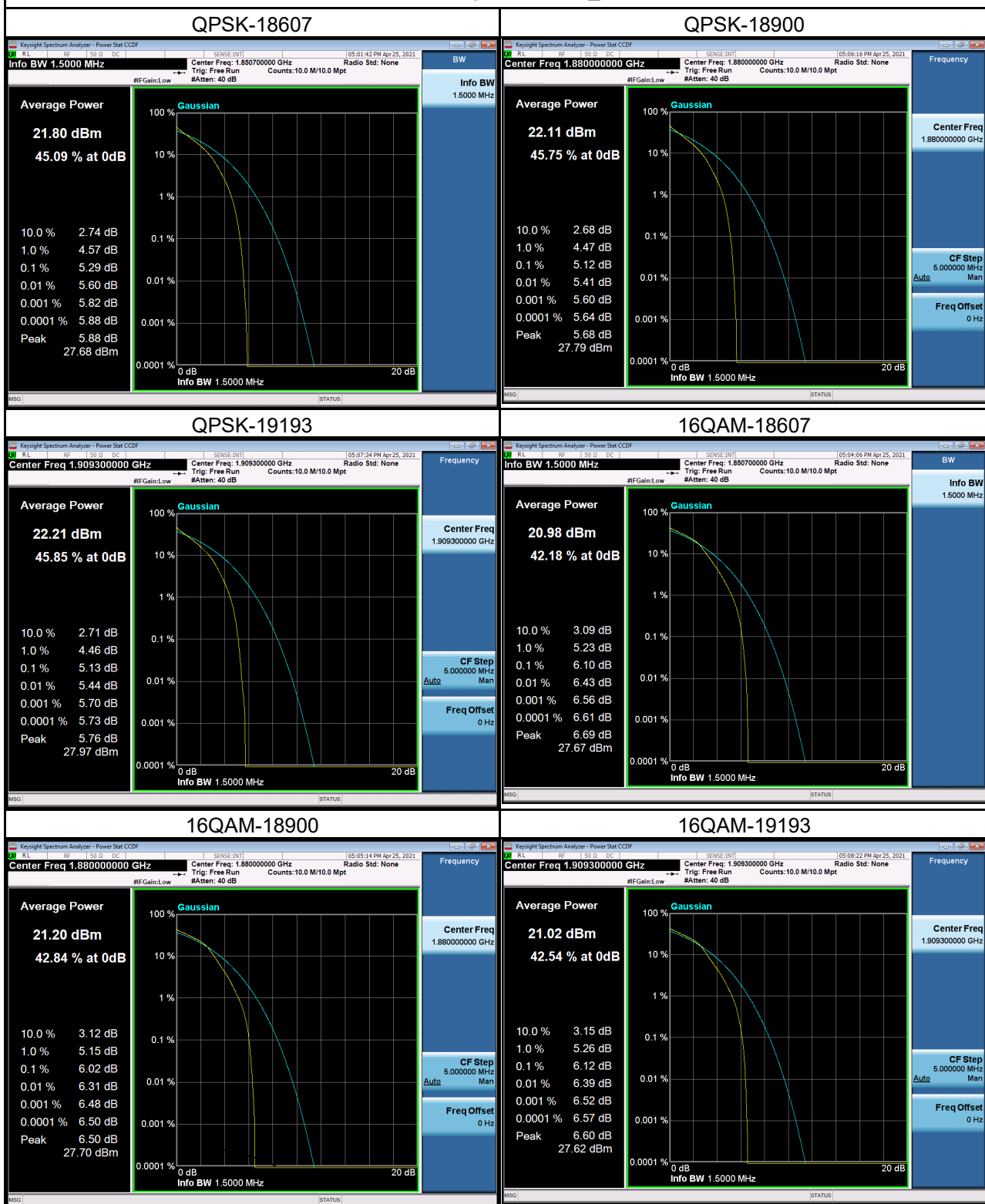
## PCS1900 Spectrum Plot



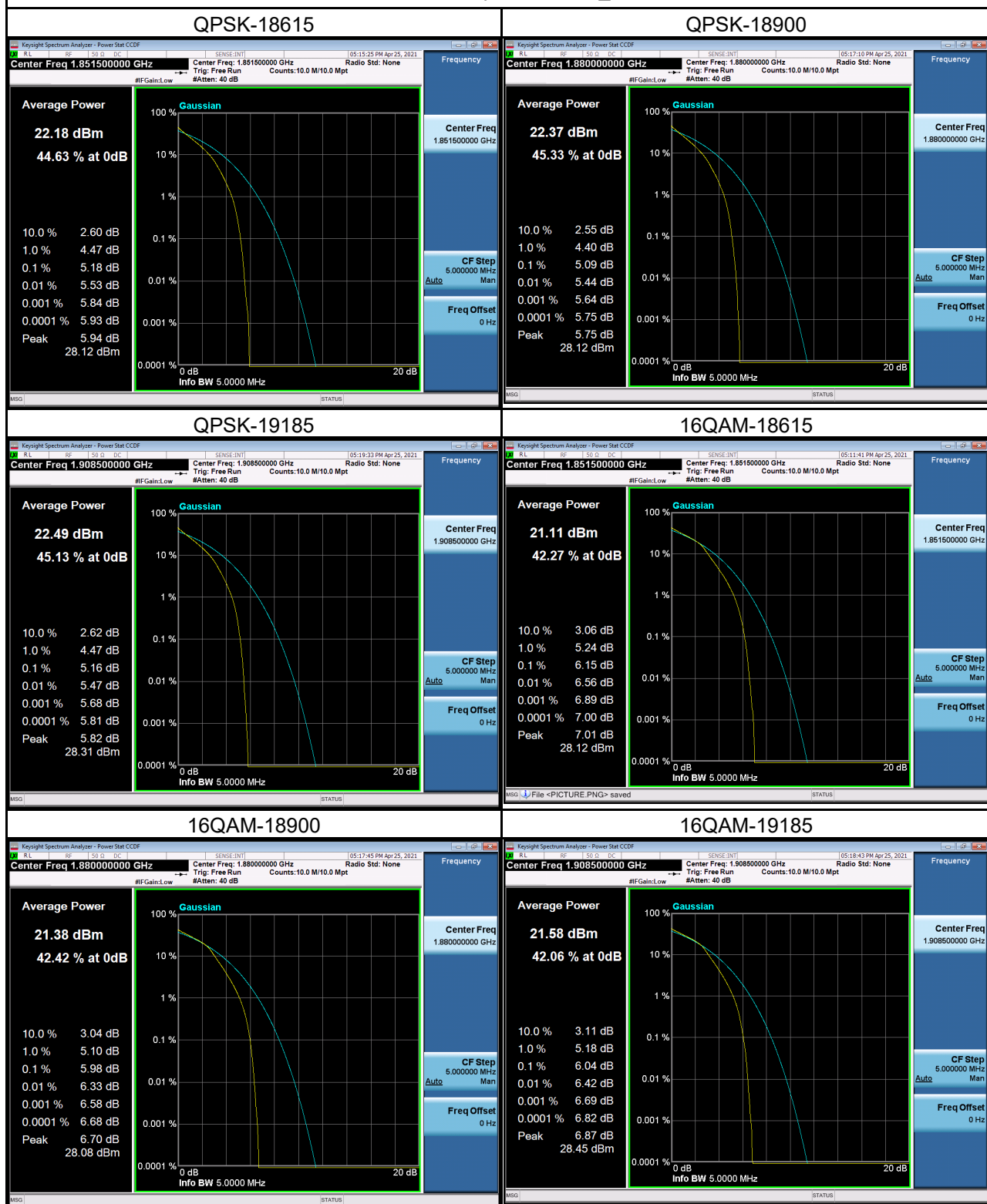
## WCDMA Band II Spectrum Plot



## LTE Band 2 Spectrum Plot\_1.4M



## LTE Band 2 Spectrum Plot\_3M



## LTE Band 2 Spectrum Plot\_5M



# LTE Band 2 Spectrum Plot\_10M

