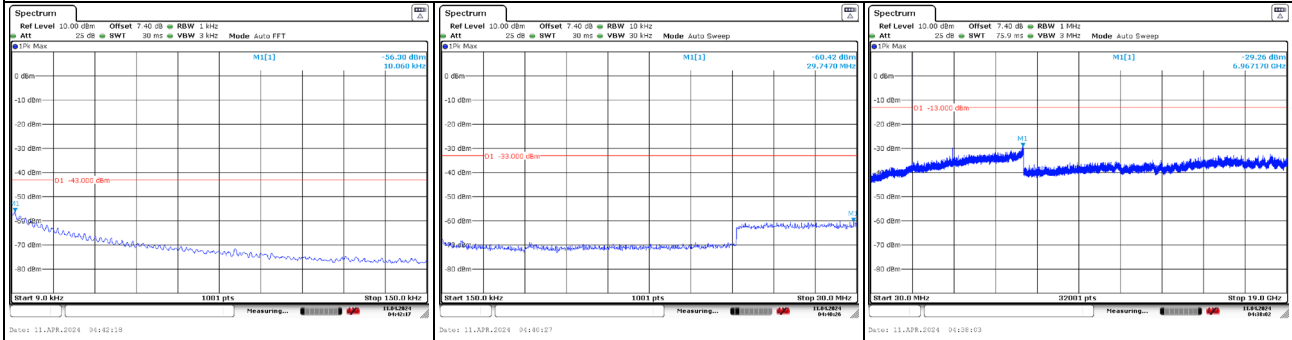
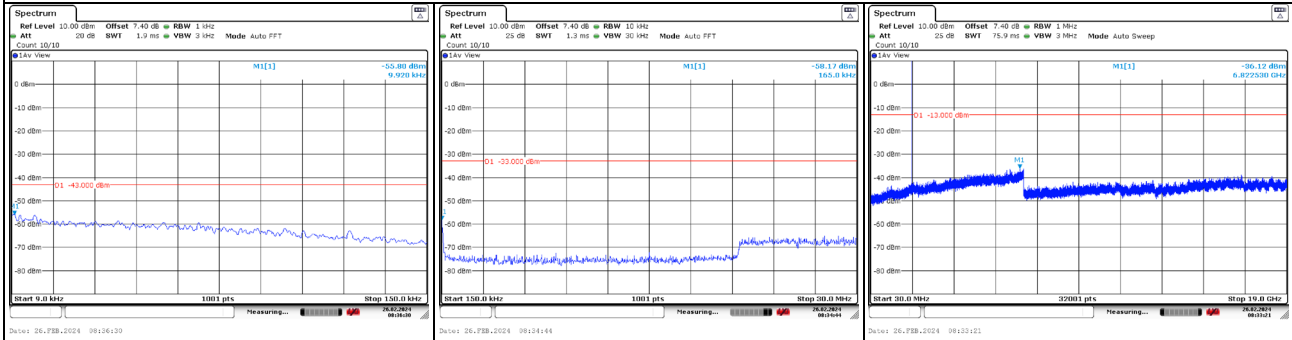


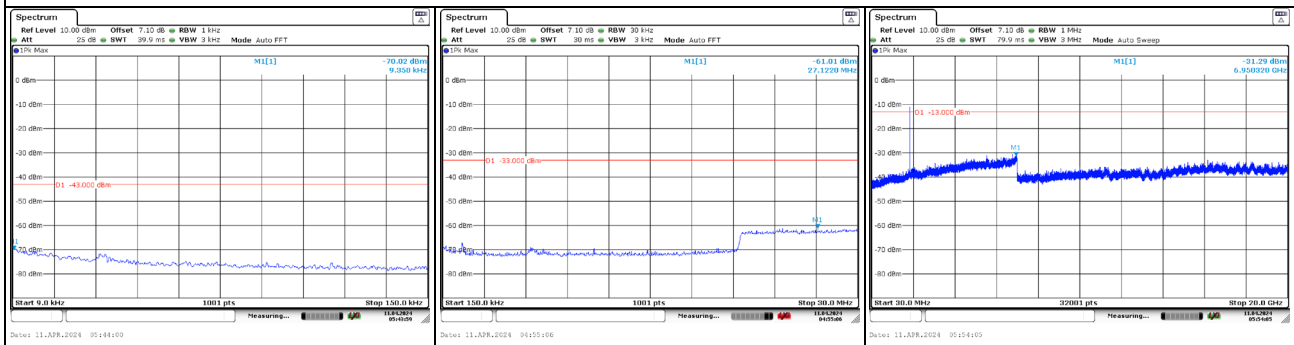
### PCS1900\_GSM\_CH661 Spectrum Plot



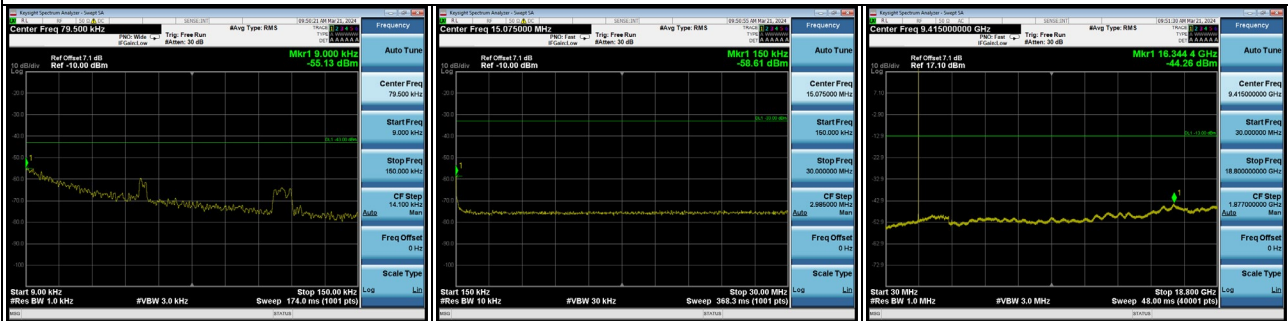
### PCS1900\_EDGE\_CH661 Spectrum Plot



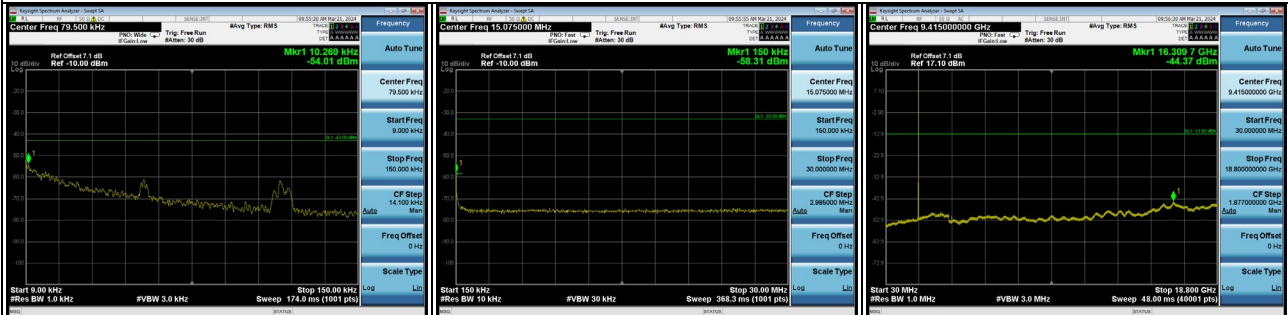
## WCDMA Band II\_WCDMA\_CH9400 Spectrum Plot



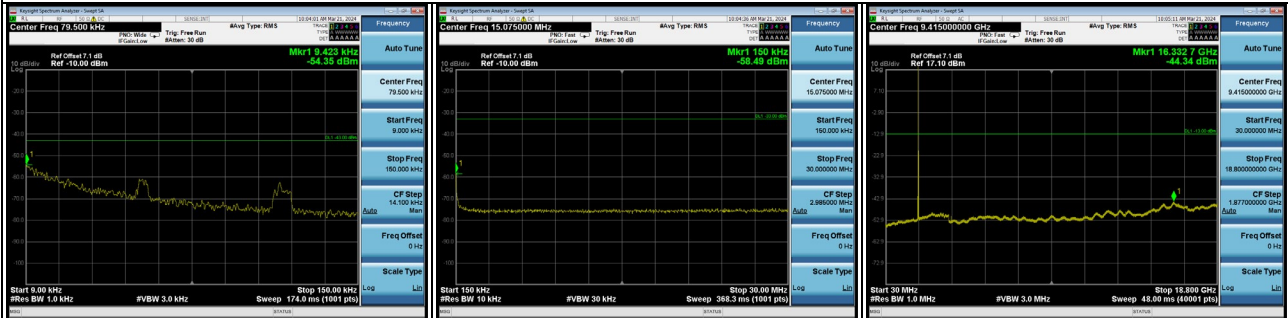
LTE Band 2\_1.4MHz\_CH18900 Spectrum Plot



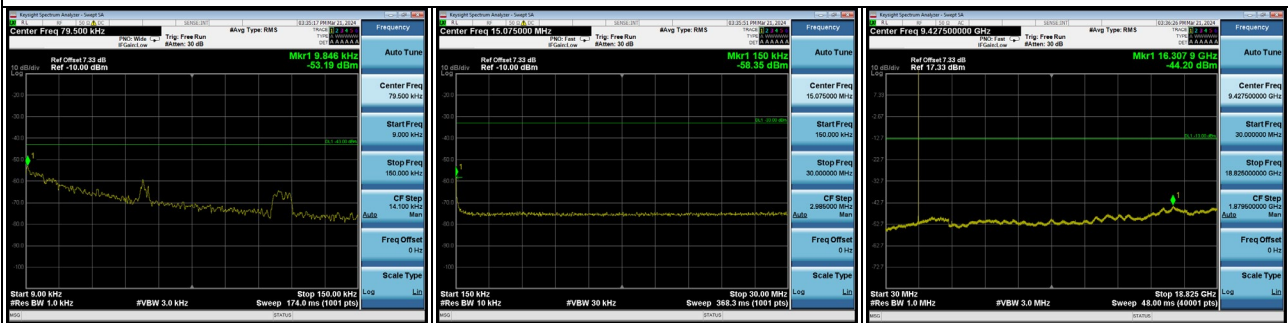
LTE Band 2\_5MHz\_CH18900 Spectrum Plot



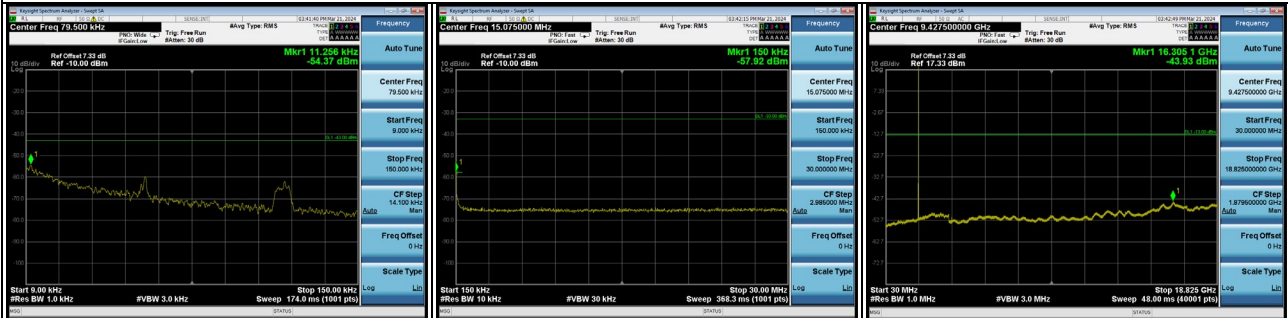
LTE Band 2\_20MHz\_CH18900 Spectrum Plot



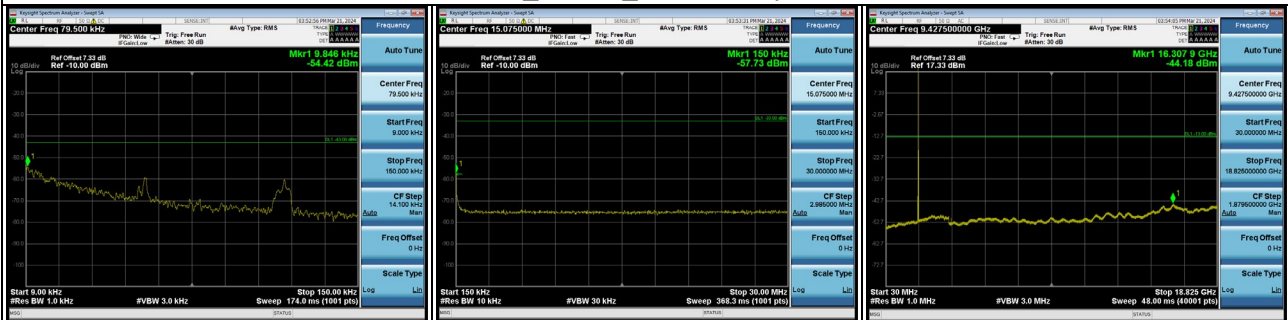
## LTE Band 25\_1.4MHz\_CH26365 Spectrum Plot



## LTE Band 25\_5MHz\_CH26365 Spectrum Plot



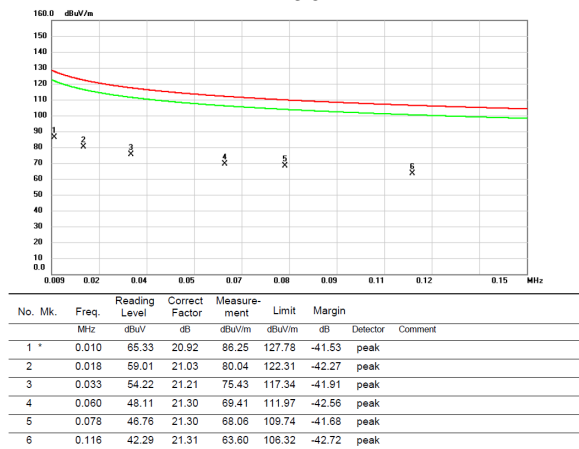
## LTE Band 25\_20MHz\_CH26365 Spectrum Plot



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

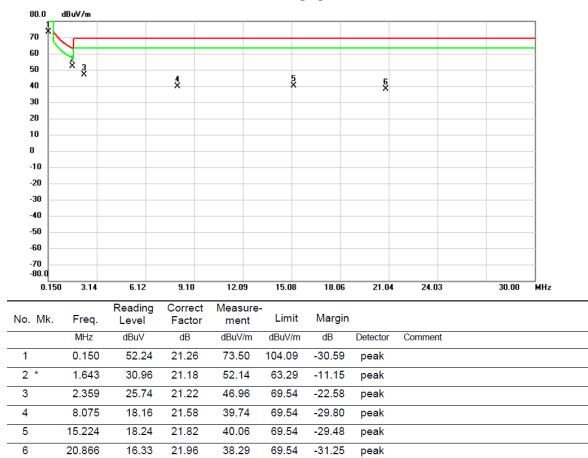
Test Mode : TX Mode

Ant 0°



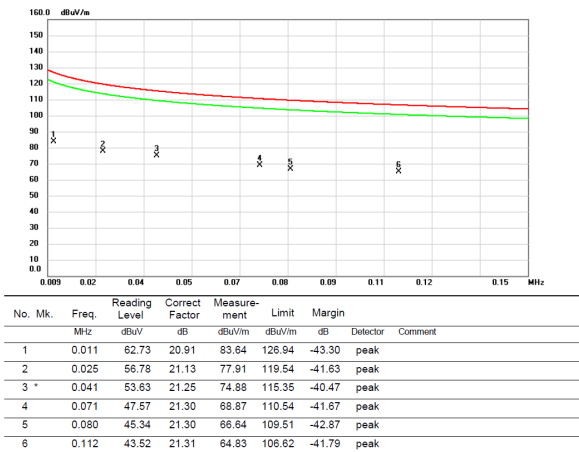
Test Mode : TX Mode

Ant 0°



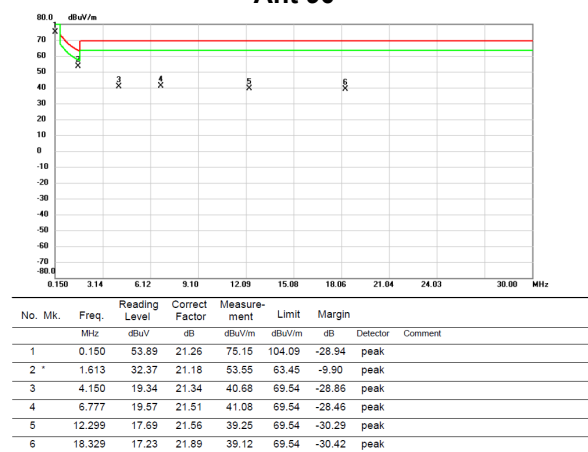
Test Mode : TX Mode

Ant 90°



Test Mode : TX Mode

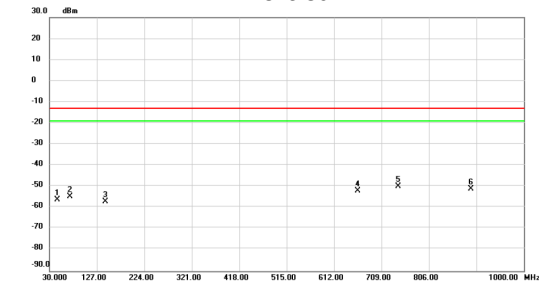
Ant 90°



## **APPENDIX E - RADIATED SPURIOUS EMISSIONS (30MHZ TO 1000MHZ)**

Test Mode : PCS1900\_TX CH661\_GSM

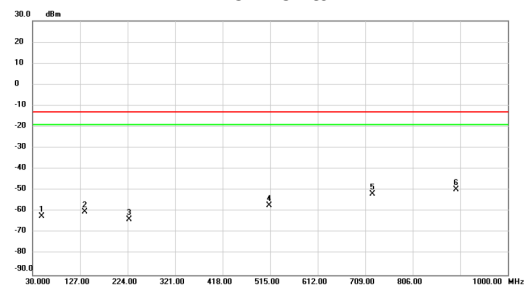
## Vertical



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1       | 46.4900   | -85.92            | 9.69              | -56.23          | -13.00    | -43.23    | peak     |         |
| 2       | 71.7100   | -61.93            | 7.18              | -54.75          | -13.00    | -41.75    | peak     |         |
| 3       | 143.9750  | -66.66            | 9.61              | -57.05          | -13.00    | -44.05    | peak     |         |
| 4       | 660.9850  | -70.45            | 18.52             | -51.93          | -13.00    | -38.93    | peak     |         |
| 5       | 743.4350  | -70.38            | 20.37             | -50.01          | -13.00    | -37.01    | peak     |         |
| 6       | 891.3600  | -72.62            | 21.39             | -51.23          | -13.00    | -38.23    | peak     |         |

Test Mode : PCS1900\_TX CH661\_GSM

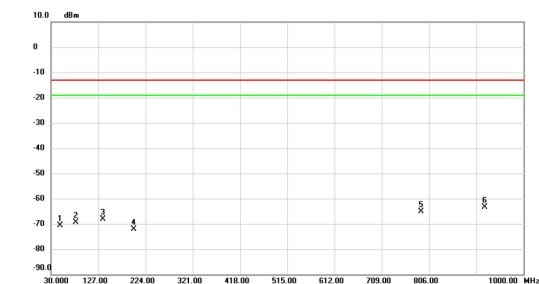
## Horizontal



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1       | 48.4300   | -71.89            | 9.73              | -52.16          | -13.00    | -49.16    | peak     |         |
| 2       | 136.2150  | -69.11            | 9.02              | -60.09          | -13.00    | -47.09    | peak     |         |
| 3       | 227.3950  | -71.05            | 7.24              | -63.81          | -13.00    | -50.81    | peak     |         |
| 4       | 513.5450  | -72.50            | 15.41             | -57.09          | -13.00    | -44.09    | peak     |         |
| 5       | 723.5500  | -71.47            | 19.74             | -51.73          | -13.00    | -38.73    | peak     |         |
| 6       | 894.7550  | -71.02            | 21.44             | -49.58          | -13.00    | -36.58    | peak     |         |

Test Mode : WCDMA Band II\_TX CH9400

## Vertical



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1       | 48.9150   | -70.28            | -0.25             | -70.53          | -13.00    | -57.53    | peak     |         |
| 2       | 81.4100   | -64.35            | -5.04             | -69.39          | -13.00    | -56.39    | peak     |         |
| 3       | 136.2150  | -67.03            | -0.98             | -68.01          | -13.00    | -55.01    | peak     |         |
| 4       | 199.7500  | -69.05            | -3.12             | -72.17          | -13.00    | -59.17    | peak     |         |
| 5       | 789.5100  | -75.78            | 10.73             | -65.05          | -13.00    | -52.05    | peak     |         |
| 6       | 920.4600  | -75.11            | 11.74             | -63.37          | -13.00    | -50.37    | peak     |         |

Test Mode : WCDMA Band II\_TX CH9400

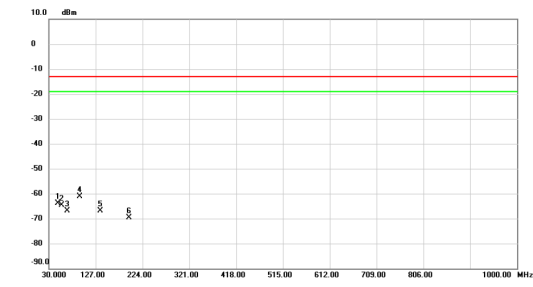
## Horizontal



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1       | 72.6900   | -62.94            | -3.04             | -65.98          | -13.00    | -52.98    | peak     |         |
| 2       | 102.7500  | -68.05            | -4.36             | -72.41          | -13.00    | -59.41    | peak     |         |
| 3       | 128.4550  | -69.43            | -1.64             | -71.07          | -13.00    | -58.07    | peak     |         |
| 4       | 200.2350  | -63.65            | -3.14             | -66.79          | -13.00    | -53.79    | peak     |         |
| 5       | 480.6800  | -71.55            | 4.58              | -66.97          | -13.00    | -53.97    | peak     |         |
| 6       | 817.1550  | -75.78            | 10.81             | -64.97          | -13.00    | -51.97    | peak     |         |

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

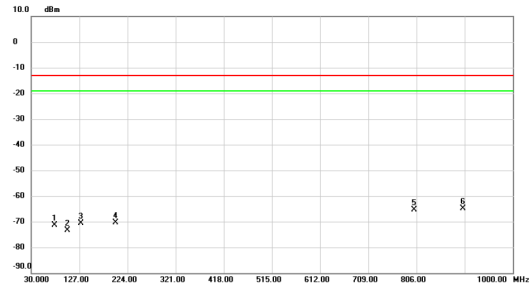
## Vertical



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1       | 48.9150   | -51.93            | -11.99            | -63.92          | -13.00    | -50.92    | peak     |         |
| 2       | 56.6750   | -52.42            | -12.28            | -64.70          | -13.00    | -51.70    | peak     |         |
| 3       | 67.8300   | -53.02            | -13.77            | -66.79          | -13.00    | -53.79    | peak     |         |
| 4       | 94.0200   | -43.63            | -17.41            | -61.04          | -13.00    | -48.04    | peak     |         |
| 5       | 136.7000  | -54.13            | -12.68            | -66.81          | -13.00    | -53.81    | peak     |         |
| 6       | 195.8700  | -55.04            | -14.63            | -69.67          | -13.00    | -56.67    | peak     |         |

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

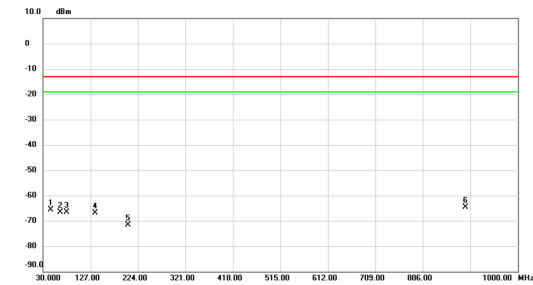
## Horizontal



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1       | 77.5300   | -55.37            | -15.91            | -71.28          | -13.00    | -58.28    | peak     |         |
| 2       | 102.7500  | -57.34            | -16.10            | -73.44          | -13.00    | -60.44    | peak     |         |
| 3       | 130.3950  | -57.35            | -13.21            | -70.56          | -13.00    | -57.56    | peak     |         |
| 4       | 199.7500  | -55.49            | -14.86            | -70.35          | -13.00    | -57.35    | peak     |         |
| 5       | 801.1500  | -64.28            | -0.97             | -65.25          | -13.00    | -52.25    | peak     |         |
| 6       | 900.0900  | -64.63            | -0.24             | -64.87          | -13.00    | -51.87    | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_5MHz

## Vertical



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1       | 45.5200   | -53.48            | -12.09            | -65.57          | -13.00    | -52.57    | peak     |         |
| 2       | 64.9200   | -53.31            | -13.25            | -66.56          | -13.00    | -53.56    | peak     |         |
| 3       | 78.5000   | -50.56            | -16.14            | -66.70          | -13.00    | -53.70    | peak     |         |
| 4       | 136.7000  | -54.16            | -12.68            | -66.84          | -13.00    | -53.84    | peak     |         |
| 5       | 204.1150  | -56.78            | -14.95            | -71.73          | -13.00    | -58.73    | peak     |         |
| 6       | 893.7850  | -64.39            | -0.32             | -64.71          | -13.00    | -51.71    | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_5MHz

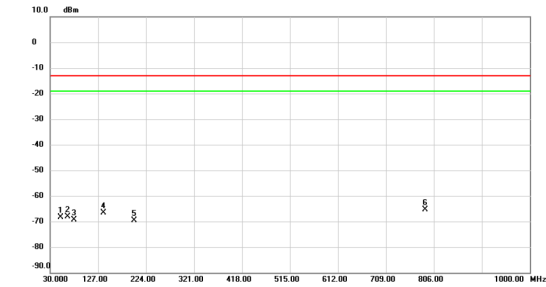
## Horizontal



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1       | 78.5000   | -57.78            | -16.14            | -73.92          | -13.00    | -60.92    | peak     |         |
| 2       | 101.7900  | -60.48            | -16.23            | -76.71          | -13.00    | -63.71    | peak     |         |
| 3       | 138.6400  | -58.92            | -12.52            | -71.44          | -13.00    | -58.44    | peak     |         |
| 4       | 199.2850  | -55.95            | -14.83            | -70.78          | -13.00    | -57.78    | peak     |         |
| 5       | 750.7100  | -64.46            | -1.17             | -65.63          | -13.00    | -52.63    | peak     |         |
| 6       | 993.6950  | -64.46            | 0.48              | -63.98          | -13.00    | -50.98    | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_20MHz

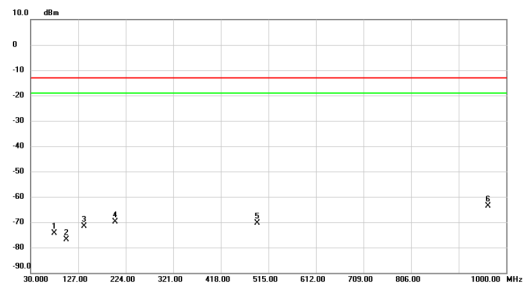
## Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     |          |         |
| 1   |     | 50.8550  | -56.31        | -11.99         | -68.30      | -13.00 | -55.30 | peak     |         |
| 2   |     | 65.4050  | -54.76        | -13.33         | -68.09      | -13.00 | -55.09 | peak     |         |
| 3   |     | 78.0150  | -53.43        | -16.03         | -69.46      | -13.00 | -56.46 | peak     |         |
| 4   |     | 137.6700 | -54.10        | -12.61         | -66.71      | -13.00 | -53.71 | peak     |         |
| 5   |     | 199.7500 | -54.79        | -14.86         | -69.65      | -13.00 | -56.65 | peak     |         |
| 6   | *   | 788.5400 | -64.30        | -1.01          | -65.31      | -13.00 | -52.31 | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_20MHz

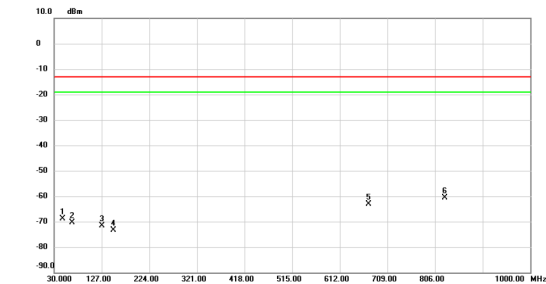
## Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     |          |         |
| 1   |     | 78.5000  | -58.26        | -16.14         | -74.40      | -13.00 | -61.40 | peak     |         |
| 2   |     | 103.2350 | -60.85        | -16.03         | -76.88      | -13.00 | -63.88 | peak     |         |
| 3   |     | 139.6100 | -59.07        | -12.44         | -71.51      | -13.00 | -58.51 | peak     |         |
| 4   |     | 202.6600 | -54.97        | -14.92         | -69.89      | -13.00 | -56.89 | peak     |         |
| 5   |     | 492.6900 | -63.58        | -6.70          | -70.28      | -13.00 | -57.28 | peak     |         |
| 6   | *   | 982.6550 | -63.91        | 0.38           | -63.53      | -13.00 | -50.53 | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_1.4MHz

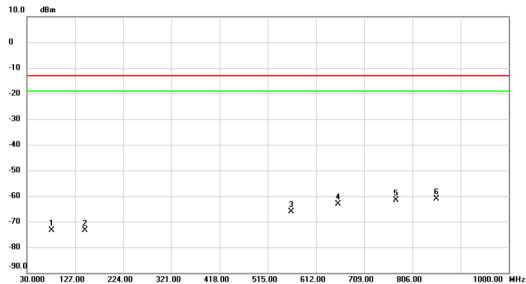
## Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     |          |         |
| 1   |     | 46.9750  | -68.70        | -0.27          | -68.97      | -13.00 | -55.97 | peak     |         |
| 2   |     | 66.8600  | -68.59        | -1.83          | -70.42      | -13.00 | -57.42 | peak     |         |
| 3   |     | 127.0000 | -69.99        | -1.74          | -71.73      | -13.00 | -58.73 | peak     |         |
| 4   |     | 150.2800 | -73.34        | 0.07           | -73.27      | -13.00 | -60.27 | peak     |         |
| 5   |     | 670.2000 | -71.67        | 8.65           | -63.02      | -13.00 | -50.02 | peak     |         |
| 6   | *   | 825.8850 | -71.46        | 10.84          | -60.62      | -13.00 | -47.62 | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_1.4MHz

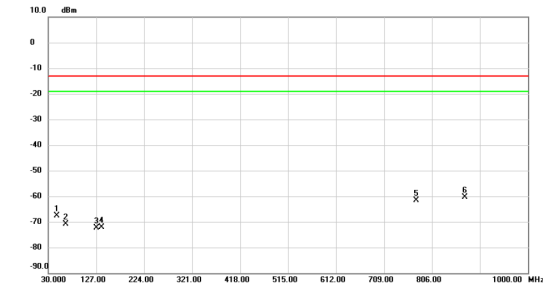
## Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     |          |         |
| 1   |     | 79.4700  | -68.79        | -4.60          | -73.39      | -13.00 | -60.39 | peak     |         |
| 2   |     | 147.3700 | -73.22        | -0.12          | -73.34      | -13.00 | -60.34 | peak     |         |
| 3   |     | 562.5300 | -72.51        | 6.49           | -66.02      | -13.00 | -53.02 | peak     |         |
| 4   |     | 657.1050 | -71.63        | 8.49           | -63.14      | -13.00 | -50.14 | peak     |         |
| 5   |     | 773.5050 | -72.29        | 10.68          | -61.61      | -13.00 | -48.61 | peak     |         |
| 6   | *   | 854.9850 | -71.97        | 10.95          | -61.02      | -13.00 | -48.02 | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_5MHz

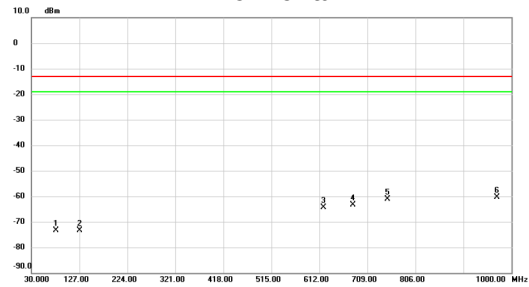
## Vertical



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1       | 47.4600   | -67.44            | -0.26             | -67.70          | -13.00    | -54.70    | peak     |         |
| 2       | 64.9200   | -69.33            | -1.47             | -70.80          | -13.00    | -57.80    | peak     |         |
| 3       | 127.0000  | -70.72            | -1.74             | -72.46          | -13.00    | -59.46    | peak     |         |
| 4       | 138.8400  | -71.51            | -0.73             | -72.24          | -13.00    | -59.24    | peak     |         |
| 5       | 774.4750  | -72.41            | 10.68             | -61.73          | -13.00    | -48.73    | peak     |         |
| 6 *     | 872.9300  | -71.46            | 11.17             | -60.29          | -13.00    | -47.29    | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_5MHz

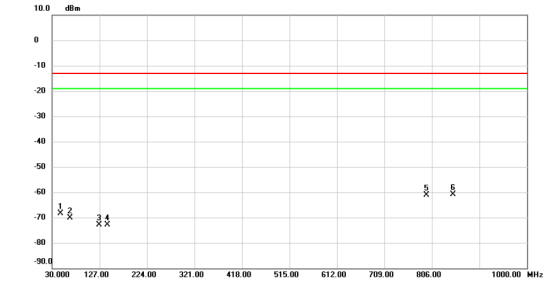
## Horizontal



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1       | 79.4700   | -68.70            | -4.60             | -73.30          | -13.00    | -60.30    | peak     |         |
| 2       | 127.4850  | -71.78            | -1.70             | -73.48          | -13.00    | -60.48    | peak     |         |
| 3       | 620.7300  | -72.31            | 7.89              | -64.42          | -13.00    | -51.42    | peak     |         |
| 4       | 679.9000  | -72.17            | 8.78              | -63.39          | -13.00    | -50.39    | peak     |         |
| 5       | 750.2250  | -71.71            | 10.58             | -61.13          | -13.00    | -48.13    | peak     |         |
| 6 *     | 970.9000  | -72.59            | 12.15             | -60.44          | -13.00    | -47.44    | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_20MHz

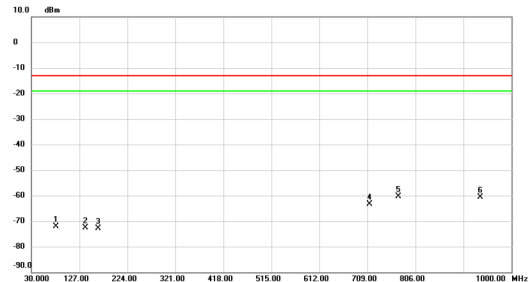
## Vertical



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1       | 47.4600   | -68.07            | -0.26             | -68.33          | -13.00    | -55.33    | peak     |         |
| 2       | 67.3450   | -68.14            | -1.92             | -70.06          | -13.00    | -57.06    | peak     |         |
| 3       | 126.5150  | -71.03            | -1.78             | -72.81          | -13.00    | -59.81    | peak     |         |
| 4       | 143.4900  | -72.47            | -0.39             | -72.86          | -13.00    | -59.86    | peak     |         |
| 5       | 794.8450  | -71.88            | 10.76             | -61.12          | -13.00    | -48.12    | peak     |         |
| 6 *     | 849.1650  | -71.78            | 10.89             | -60.89          | -13.00    | -47.89    | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_20MHz

## Horizontal

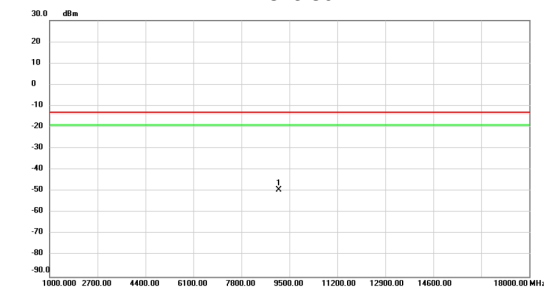


| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1       | 79.4700   | -67.52            | -4.60             | -72.12          | -13.00    | -59.12    | peak     |         |
| 2       | 139.6100  | -71.97            | -0.66             | -72.63          | -13.00    | -59.63    | peak     |         |
| 3       | 165.3150  | -72.92            | -0.07             | -72.99          | -13.00    | -59.99    | peak     |         |
| 4       | 712.8800  | -72.78            | 9.43              | -63.33          | -13.00    | -50.33    | peak     |         |
| 5 *     | 771.0800  | -71.07            | 10.67             | -60.40          | -13.00    | -47.40    | peak     |         |
| 6       | 936.9500  | -72.42            | 11.92             | -60.50          | -13.00    | -47.50    | peak     |         |

## **APPENDIX F - RADIATED SPURIOUS EMISSIONS (ABOVE 1000MHZ)**

Test Mode : PCS1900\_TX CH661\_GSM

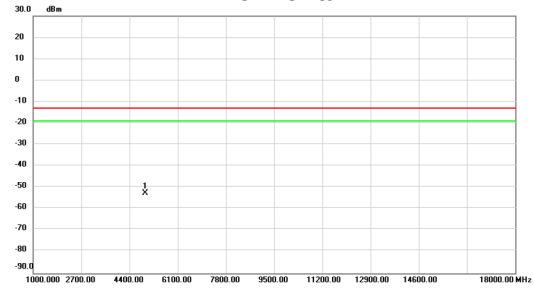
## Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     |          |         |
| 1   | *   | 9134.500 | -68.09        | 18.84          | -49.25      | -13.00 | -36.25 | peak     |         |

Test Mode : PCS1900\_TX CH661\_GSM

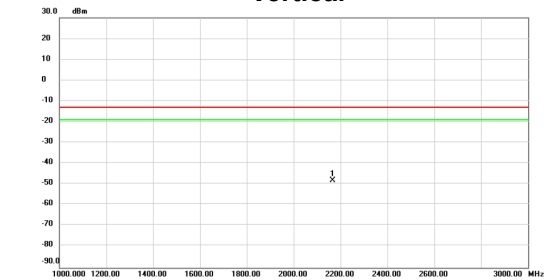
## Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     |          |         |
| 1   | *   | 4944.000 | -66.41        | 13.88          | -52.53      | -13.00 | -39.53 | peak     |         |

Test Mode : WCDMA Band II\_TX CH9400

## Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     |          |         |
| 1   | *   | 2167.000 | -64.60        | 16.50          | -48.10      | -13.00 | -35.10 | peak     |         |

Test Mode : WCDMA Band II\_TX CH9400

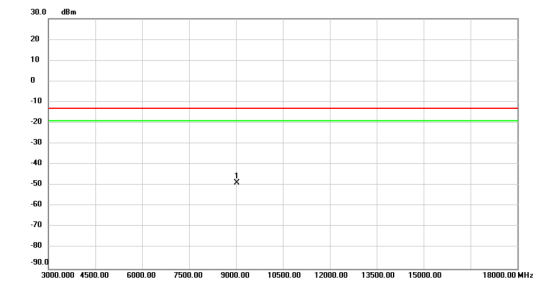
## Horizontal



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBm           | dB             | dBm         | dBm    | dB     |          |         |
| 1   | *   | 2318.000 | -64.84        | 16.73          | -48.11      | -13.00 | -35.11 | peak     |         |

Test Mode : WCDMA Band II\_TX CH9400

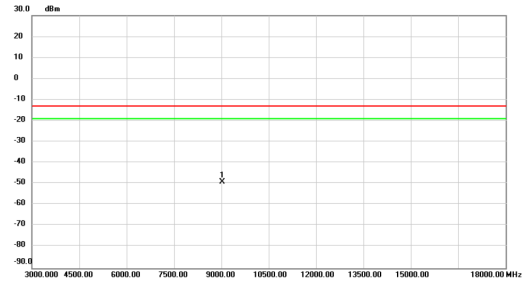
## Vertical



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 9037.500  | -67.60            | 18.85             | -48.75          | -13.00    | -35.75    | peak     |         |

Test Mode : WCDMA Band II\_TX CH9400

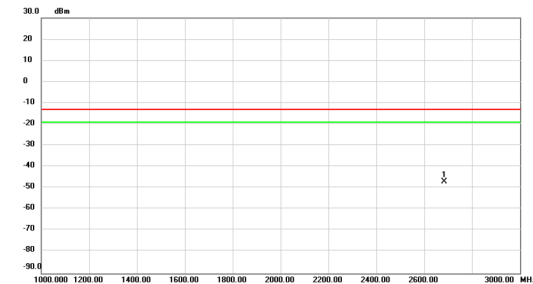
## Horizontal



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 9037.500  | -67.90            | 18.85             | -49.05          | -13.00    | -36.05    | peak     |         |

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

## Vertical



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 2685.000  | -64.48            | 17.42             | -47.06          | -13.00    | -34.06    | peak     |         |

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

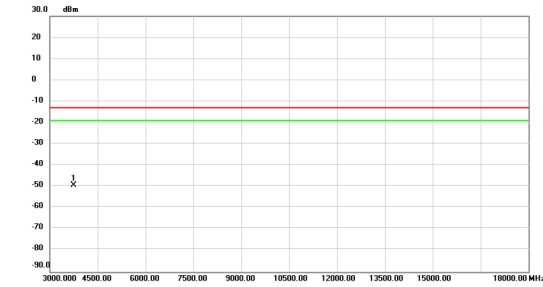
## Horizontal



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 2282.000  | -64.19            | 16.68             | -47.51          | -13.00    | -34.51    | peak     |         |

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

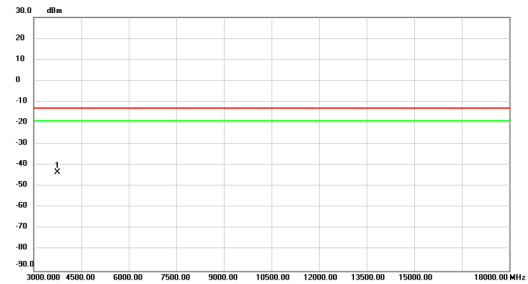
## Vertical



| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Margin |          |         |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|---------|
|     |     | MHz      | Level   | Factor  | ment     |        |        | Detector | Comment |
|     |     |          | dBm     | dB      | dBm      | dBm    | dB     |          |         |
| 1   | *   | 3757.500 | -59.75  | 10.29   | -49.46   | -13.00 | -36.46 | peak     |         |

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

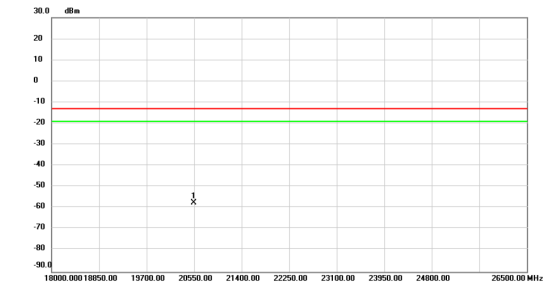
## Horizontal



| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Margin |          |         |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|---------|
|     |     | MHz      | Level   | Factor  | ment     |        |        | Detector | Comment |
|     |     |          | dBm     | dB      | dBm      | dBm    | dB     |          |         |
| 1   | *   | 3757.500 | -53.62  | 10.29   | -43.33   | -13.00 | -30.33 | peak     |         |

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

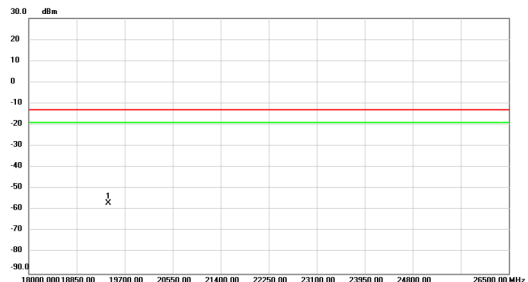
## Vertical



| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Margin |          |         |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|---------|
|     |     | MHz      | Level   | Factor  | ment     |        |        | Detector | Comment |
|     |     |          | dBm     | dB      | dBm      | dBm    | dB     |          |         |
| 1   | *   | 20541.50 | -57.25  | -0.09   | -57.34   | -13.00 | -44.34 | peak     |         |

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

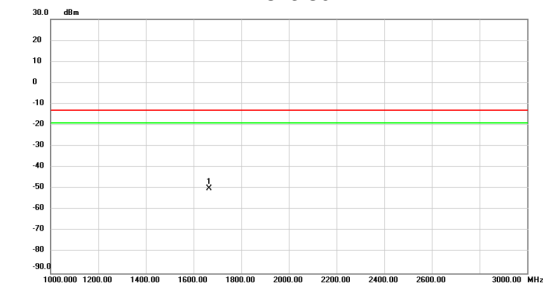
## Horizontal



| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Margin |          |         |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|---------|
|     |     | MHz      | Level   | Factor  | ment     |        |        | Detector | Comment |
|     |     |          | dBm     | dB      | dBm      | dBm    | dB     |          |         |
| 1   | *   | 19409.30 | -55.61  | -1.13   | -56.74   | -13.00 | -43.74 | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_5MHz

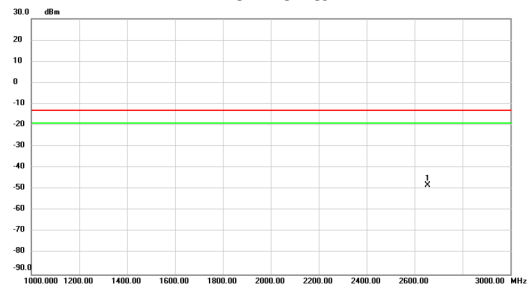
Vertical



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 1665.000  | -65.30            | 15.32             | -49.98          | -13.00    | -36.98    | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_5MHz

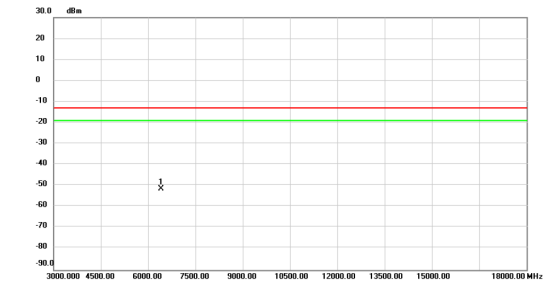
Horizontal



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 2654.000  | -65.37            | 17.35             | -48.02          | -13.00    | -35.02    | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_5MHz

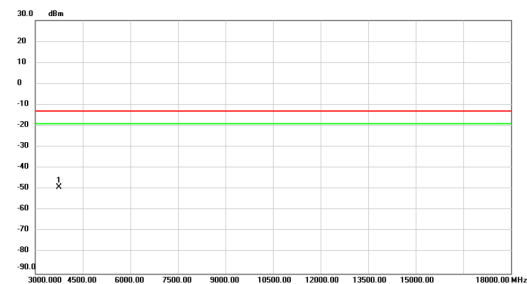
Vertical



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 6412.500  | -68.80            | 17.14             | -51.46          | -13.00    | -38.46    | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_5MHz

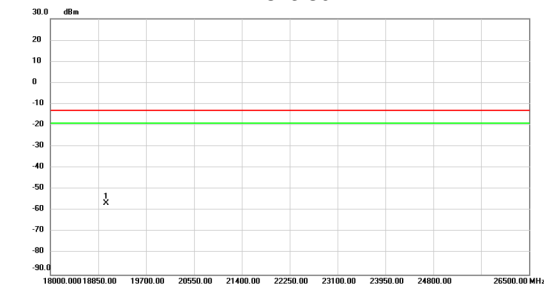
Horizontal



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 3757.500  | -69.22            | 10.29             | -48.93          | -13.00    | -35.93    | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_5MHz

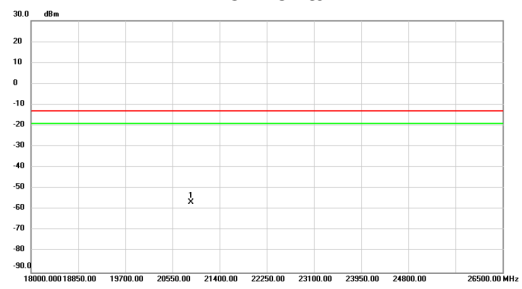
Vertical



| 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   | *   | 1891.52      | -55.15                  | -1.27                   | -56.42                  | -13.00       | -43.42       | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_5MHz

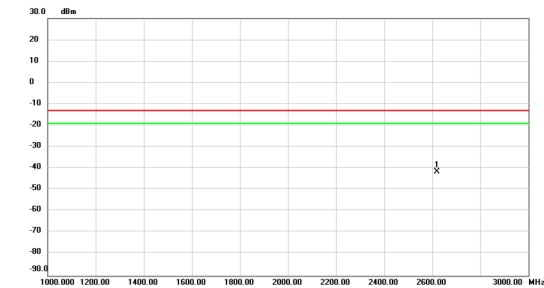
Horizontal



| 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   | *   | 20878.95     | -56.97                  | 0.42                    | -56.55                  | -13.00       | -43.55       | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_20MHz

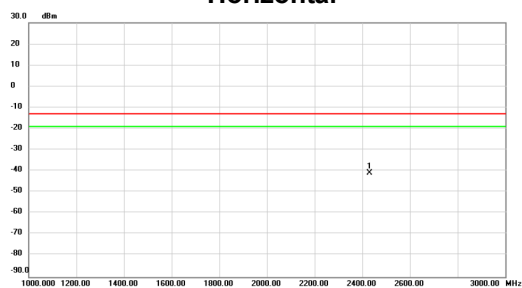
Vertical



| 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   | *   | 2621.000     | -58.79                  | 17.28                   | -41.51                  | -13.00       | -28.51       | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_20MHz

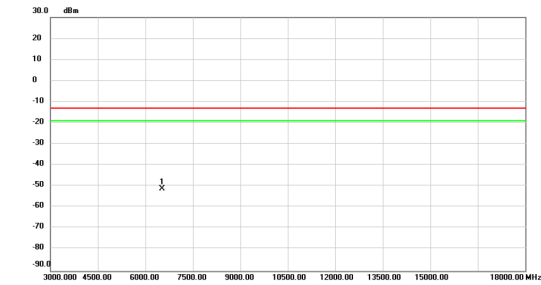
Horizontal



| 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   | *   | 2430.000     | -57.81                  | 16.89                   | -40.92                  | -13.00       | -27.92       | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_20MHz

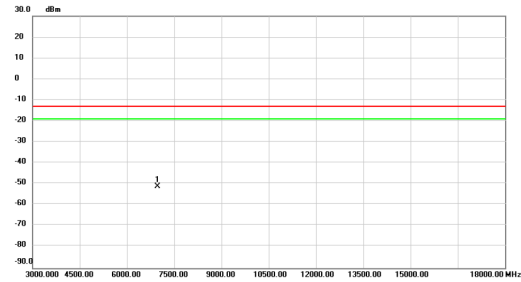
Vertical



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 6525.000  | -68.84            | 17.48             | -51.16          | -13.00    | -38.16    | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_20MHz

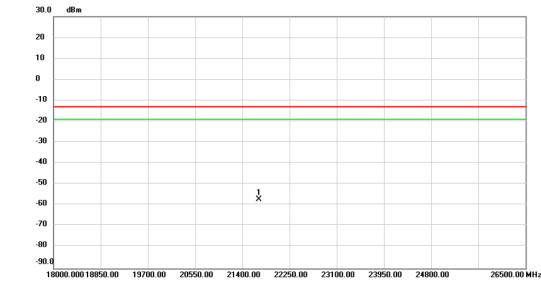
Horizontal



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 6975.000  | -68.75            | 17.46             | -51.29          | -13.00    | -38.29    | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_20MHz

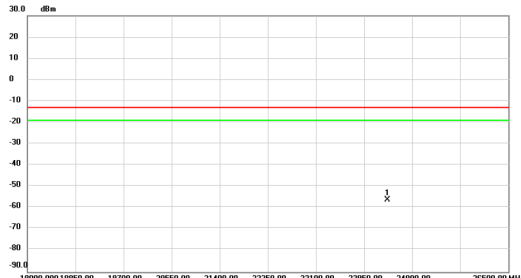
Vertical



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 21700.90  | -58.14            | 1.12              | -57.02          | -13.00    | -44.02    | peak     |         |

Test Mode : LTE Band 2\_TX CH18900\_20MHz

Horizontal



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 24362.67  | -60.23            | 3.85              | -56.38          | -13.00    | -43.38    | peak     |         |

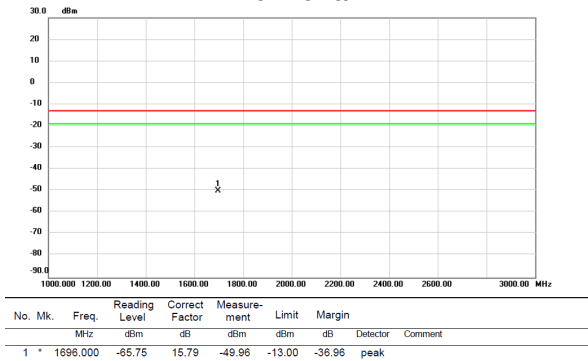
Test Mode : LTE Band 25\_TX CH26365\_1.4MHz

Vertical



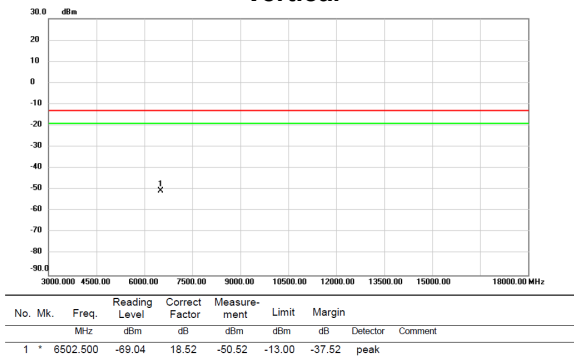
Test Mode : LTE Band 25\_TX CH26365\_1.4MHz

Horizontal



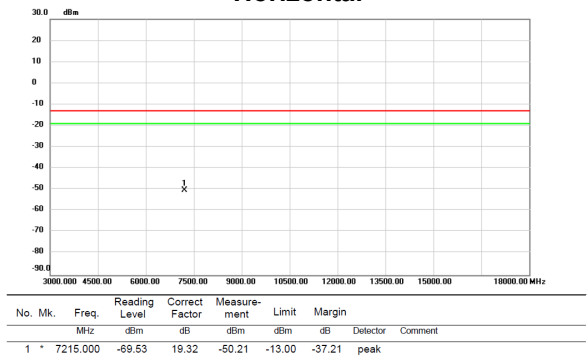
Test Mode : LTE Band 25\_TX CH26365\_1.4MHz

Vertical



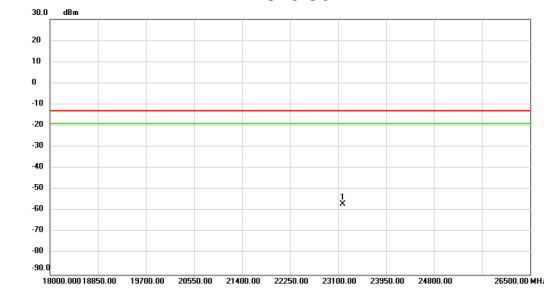
Test Mode : LTE Band 25\_TX CH26365\_1.4MHz

Horizontal



Test Mode : LTE Band 25\_TX CH26365\_1.4MHz

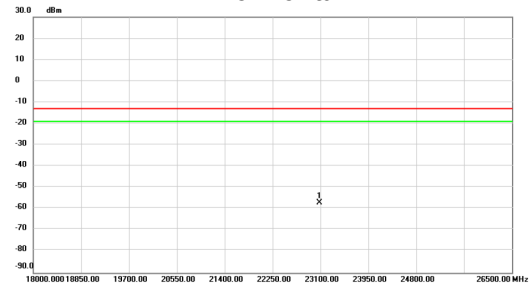
## Vertical



| 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   | *   | 23184.15     | -59.82                  | 3.02                    | -56.80                  | -13.00       | -43.80       | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_1.4MHz

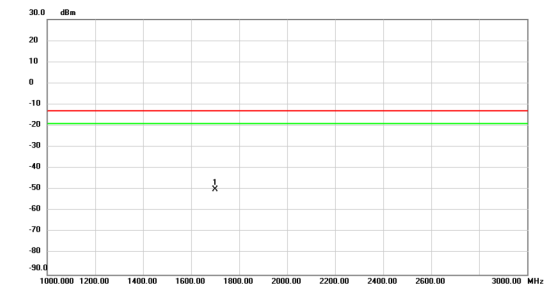
## Horizontal



| 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   | *   | 23087.67     | -60.15                  | 3.00                    | -57.15                  | -13.00       | -44.15       | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_5MHz

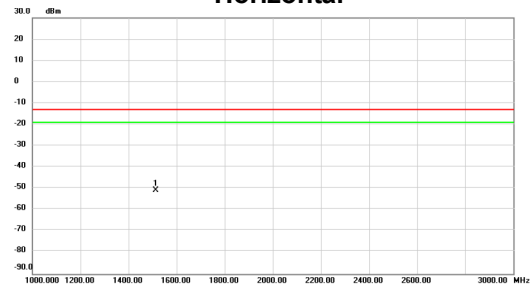
## Vertical



| 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   | *   | 1699.000     | -65.79                  | 15.81                   | -49.98                  | -13.00       | -36.98       | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_5MHz

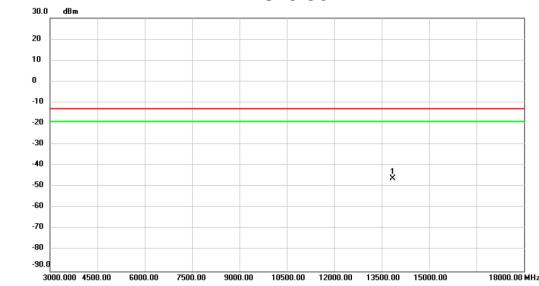
## Horizontal



| 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   | *   | 1512.000     | -66.07                  | 15.31                   | -50.76                  | -13.00       | -37.76       | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_5MHz

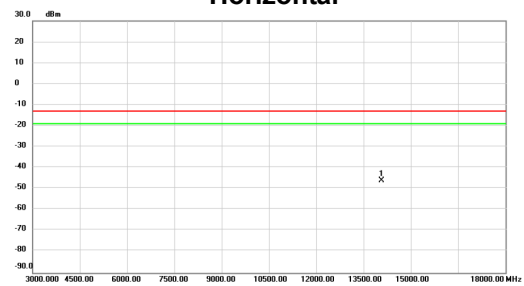
Vertical



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 13845.00  | -68.41            | 22.22             | -46.19          | -13.00    | -33.19    | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_5MHz

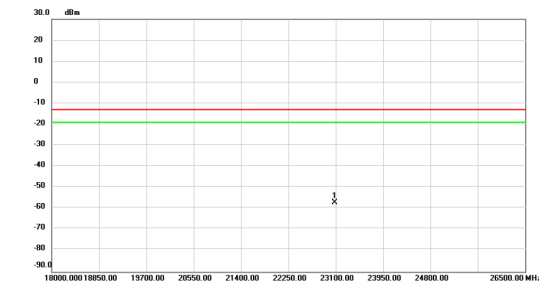
Horizontal



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 14062.50  | -68.07            | 22.16             | -45.91          | -13.00    | -32.91    | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_5MHz

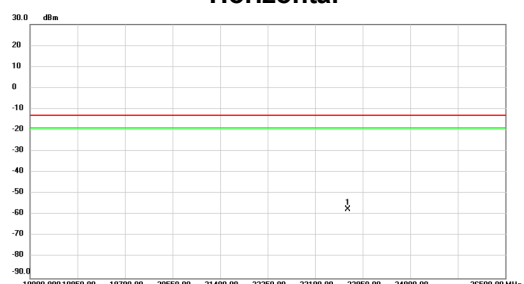
Vertical



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 23087.87  | -60.15            | 3.00              | -57.15          | -13.00    | -44.15    | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_5MHz

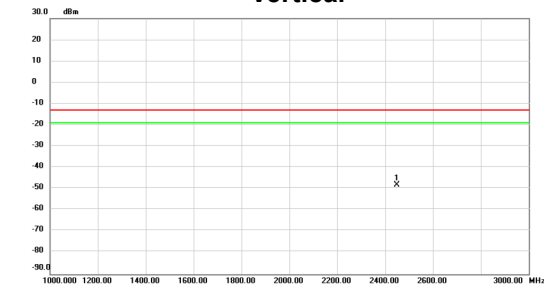
Horizontal



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 *     | 23686.92  | -60.79            | 3.26              | -57.53          | -13.00    | -44.53    | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_20MHz

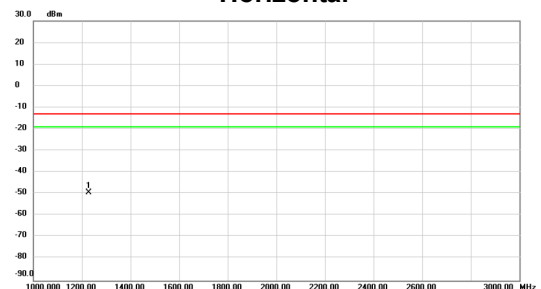
Vertical



| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Margin |          |         |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|---------|
|     |     | MHz      | dBm     | Factor  | ment     | dBm    | dB     | Detector | Comment |
| 1   | *   | 2450.000 | -65.52  | 17.47   | -48.05   | -13.00 | -35.05 | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_20MHz

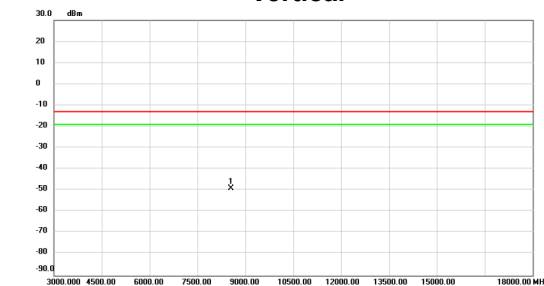
Horizontal



| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Margin |          |         |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|---------|
|     |     | MHz      | dBm     | Factor  | ment     | dBm    | dB     | Detector | Comment |
| 1   | *   | 1229.000 | -64.12  | 14.70   | -49.42   | -13.00 | -36.42 | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_20MHz

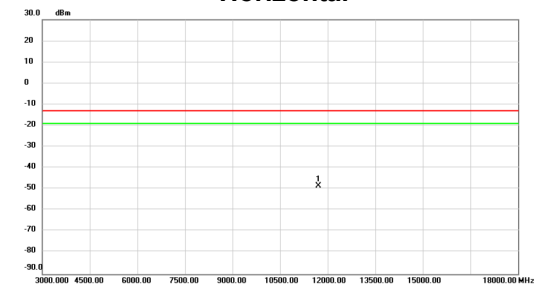
Vertical



| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Margin |          |         |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|---------|
|     |     | MHz      | dBm     | Factor  | ment     | dBm    | dB     | Detector | Comment |
| 1   | *   | 8557.500 | -68.50  | 19.37   | -49.13   | -13.00 | -36.13 | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_20MHz

Horizontal

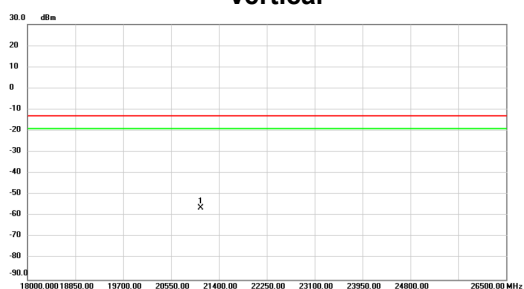


| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Margin |          |         |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|---------|
|     |     | MHz      | dBm     | Factor  | ment     | dBm    | dB     | Detector | Comment |
| 1   | *   | 11707.50 | -68.35  | 19.98   | -48.37   | -13.00 | -35.37 | peak     |         |

Test Mode : LTE Band 25\_TX CH26365\_20MHz

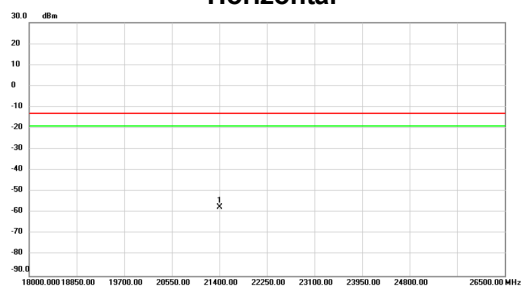
Test Mode : LTE Band 25\_TX CH26365\_20MHz

## 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   | *   | 21072.32     | -57.05                  | 0.67                    | -56.38                  | -13.00       | -43.38       | peak     |         |

## 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   | *   | 21408.50     | -58.40                  | 0.97                    | -57.43                  | -13.00       | -44.43       | peak     |         |

## APPENDIX G - BAND EDGE

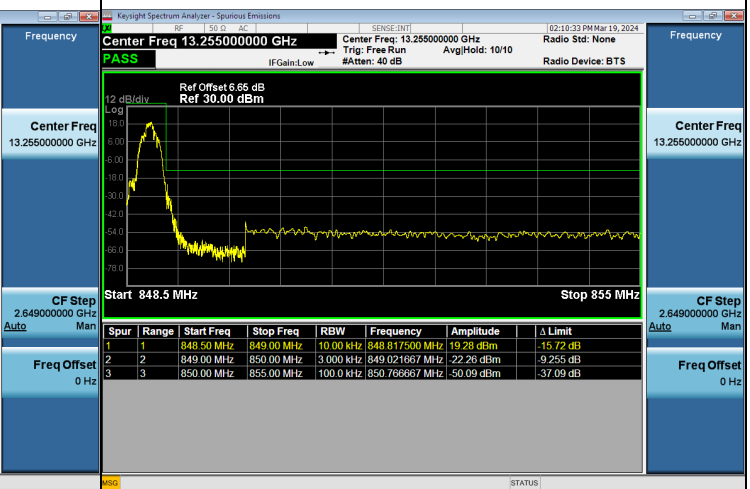
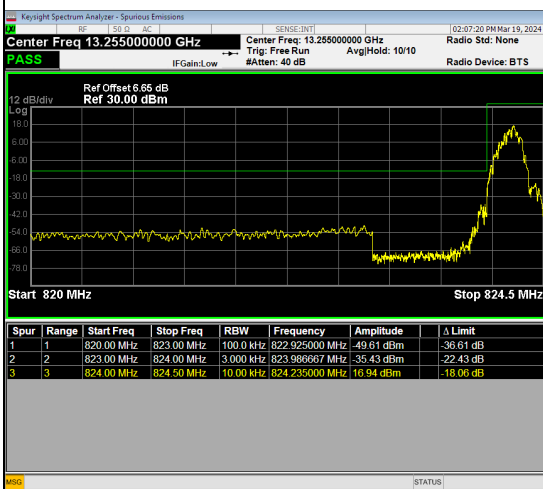
## PCS1900\_GSM Spectrum Plot

Channel

512

Channel

810



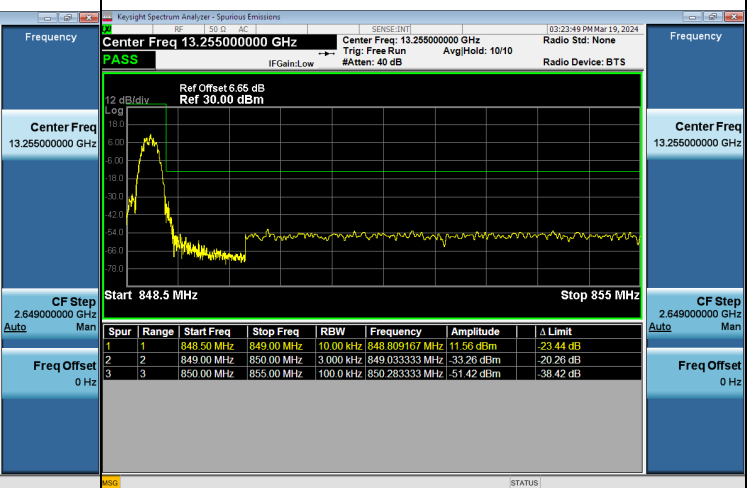
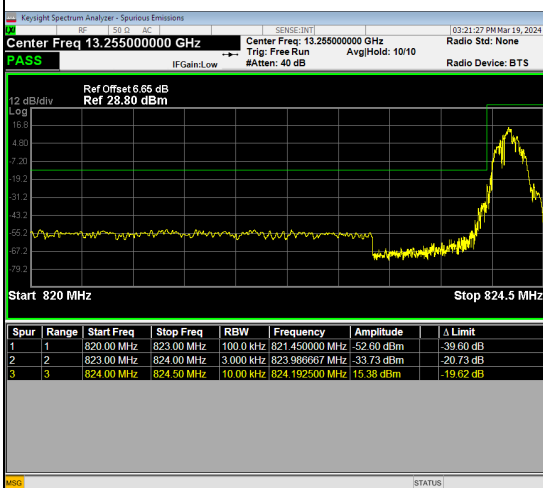
## EDGE

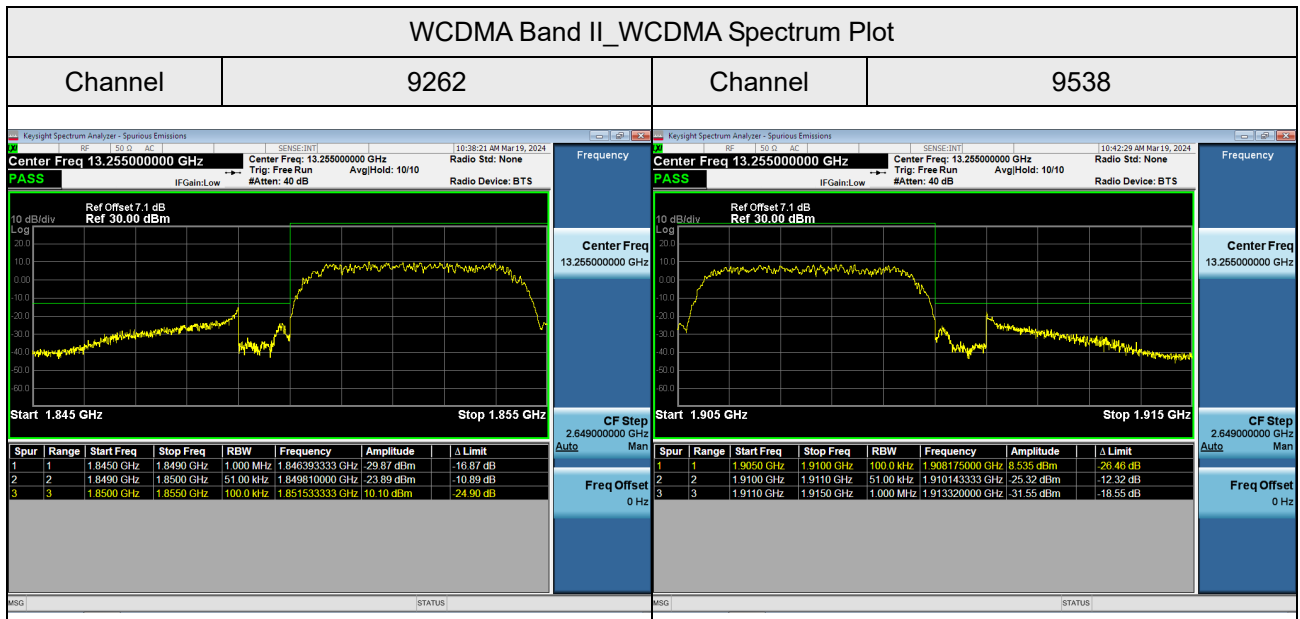
Channel

512

Channel

810





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

1RB#0

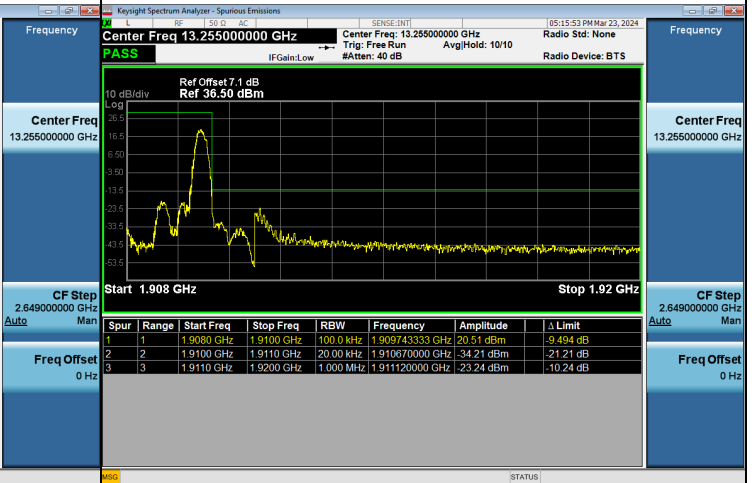
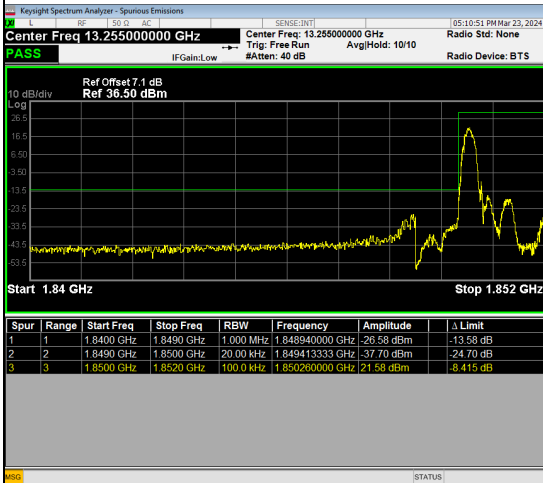
1RB#5

Channel

18607

Channel

19193



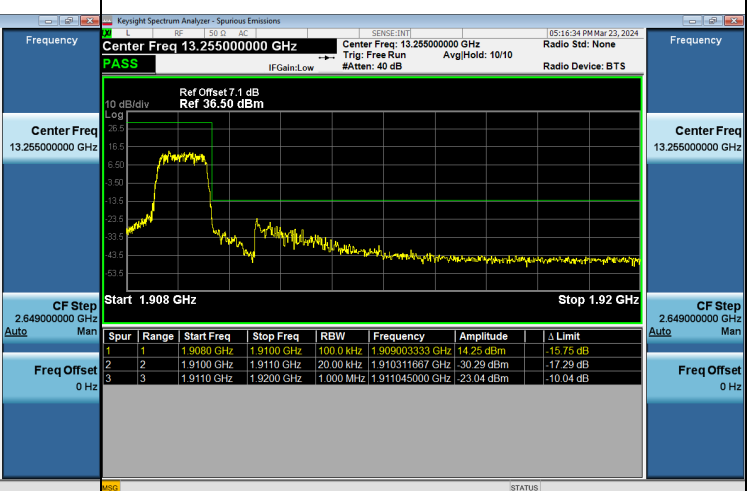
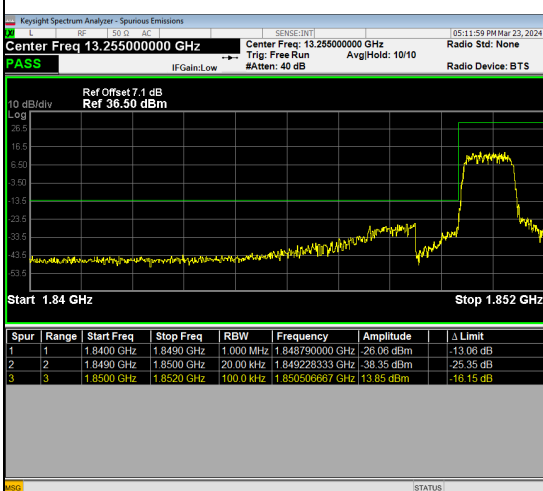
6RB#0

Channel

18607

Channel

19193



## LTE Band 2\_3MHz Spectrum Plot

1RB#0

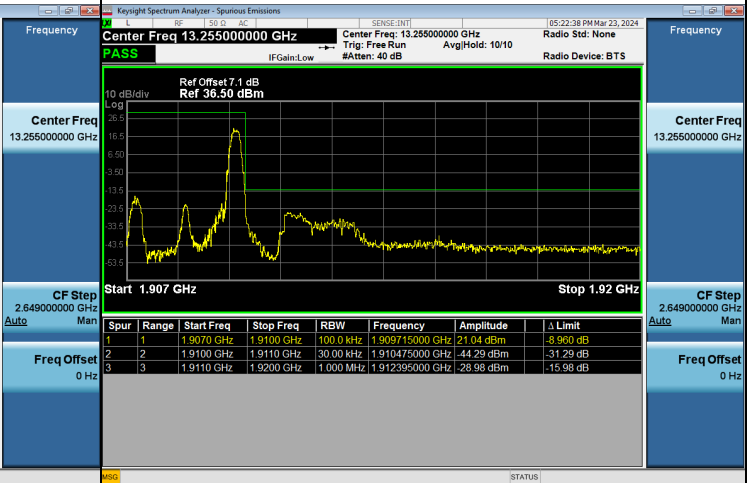
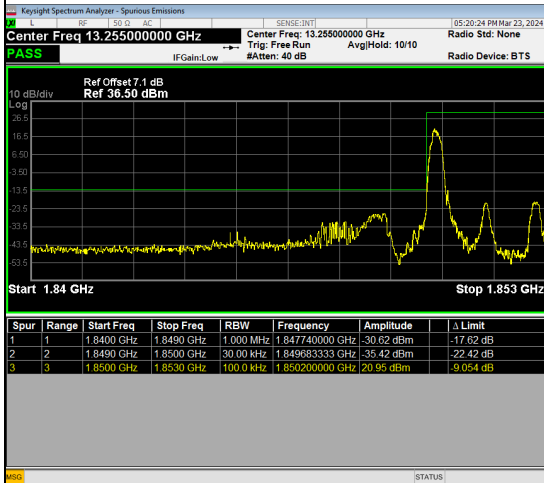
1RB#14

Channel

18615

Channel

19185



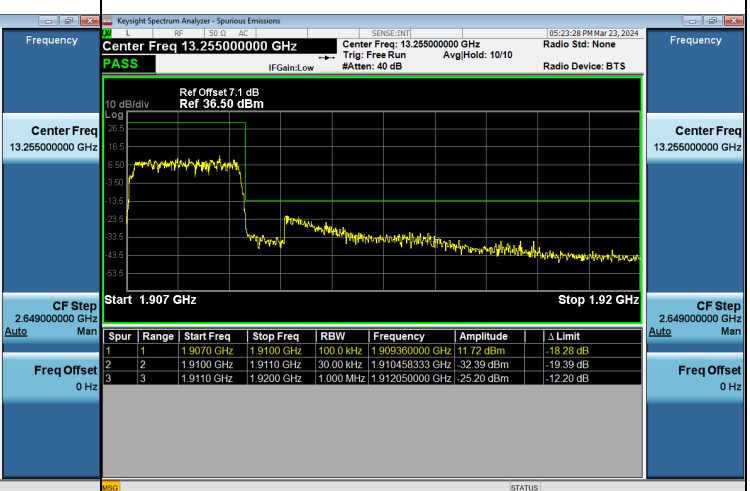
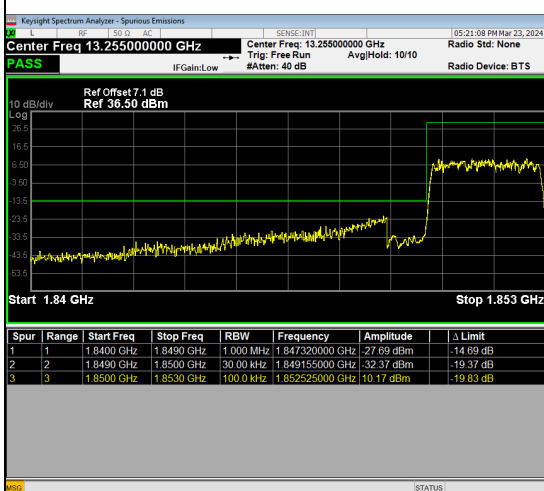
15RB#0

Channel

18615

Channel

19185



### LTE Band 2\_5MHz Spectrum Plot

1RB#0

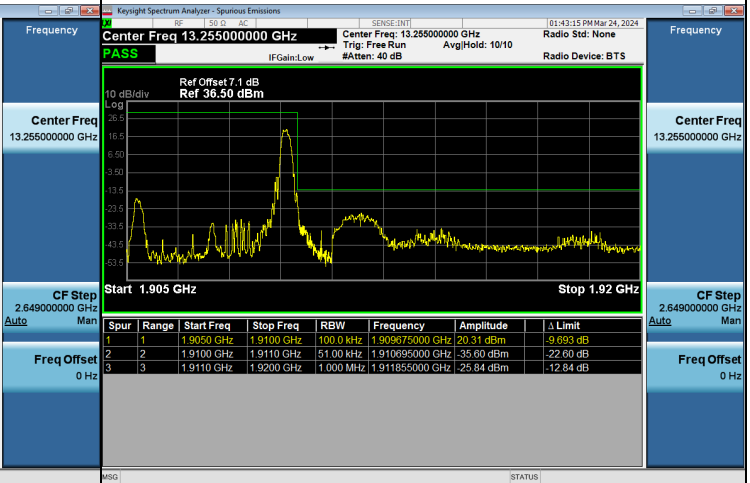
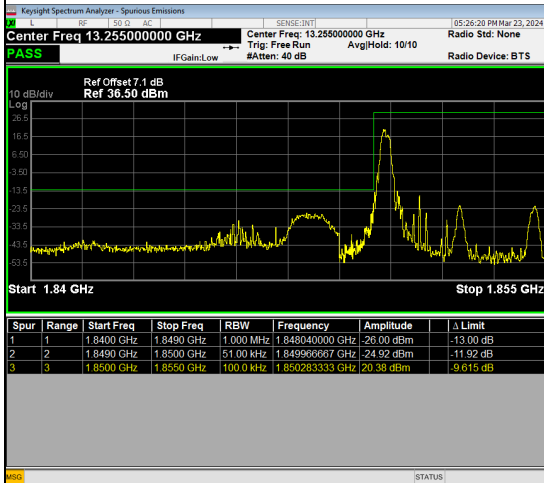
1RB#24

Channel

18625

Channel

19175



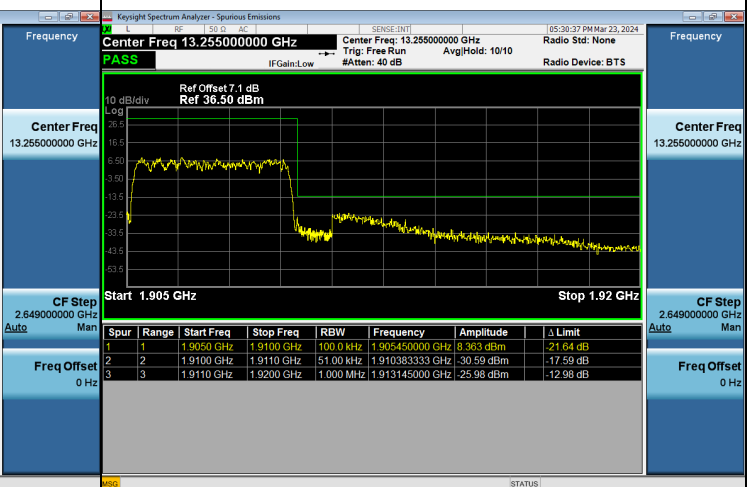
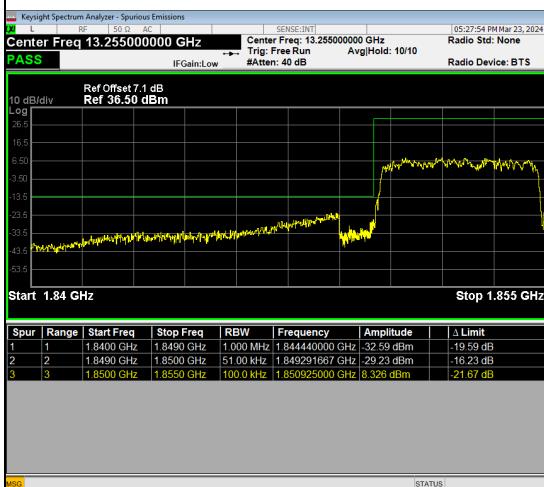
25RB#0

Channel

18625

Channel

19175



### LTE Band 2\_10MHz Spectrum Plot

1RB#0

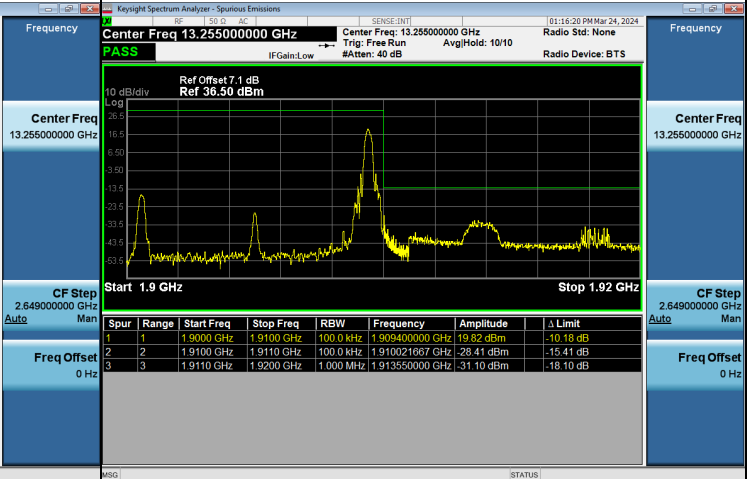
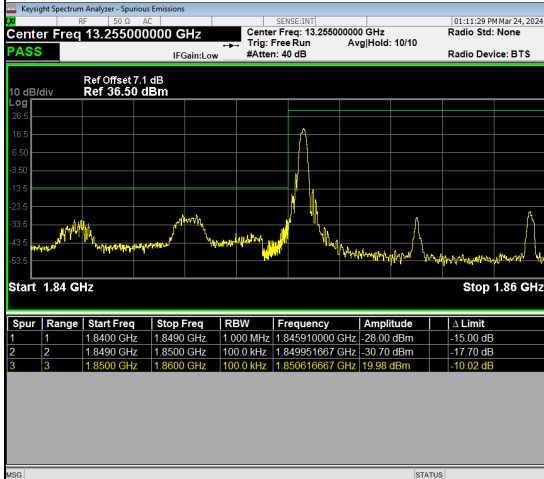
1RB#49

Channel

18650

Channel

19150



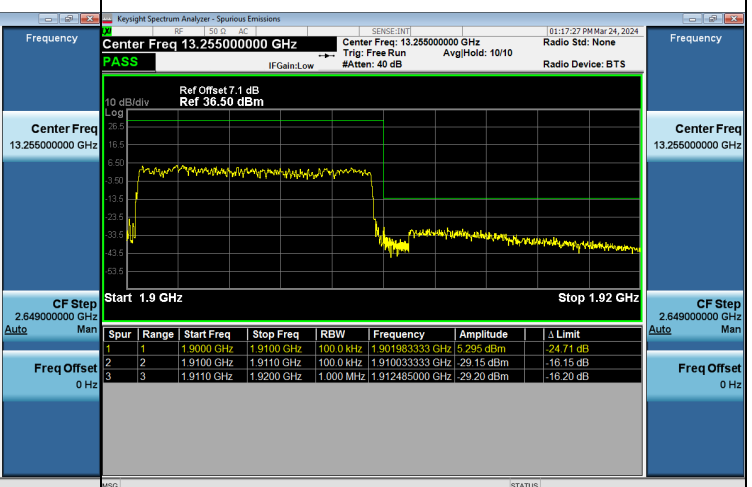
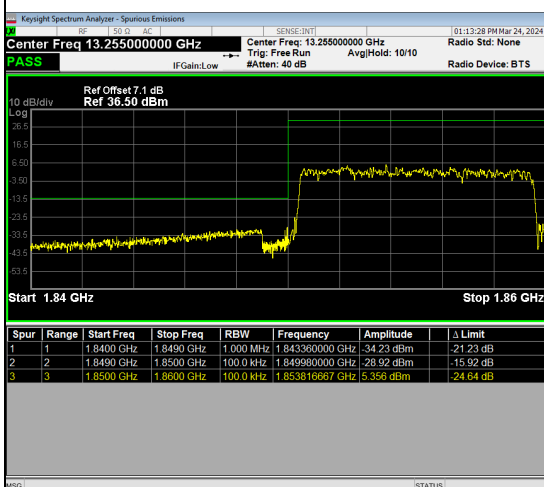
### 50RB#0

Channel

18650

Channel

19150



# LTE Band 2\_15MHz Spectrum Plot

1RB#0

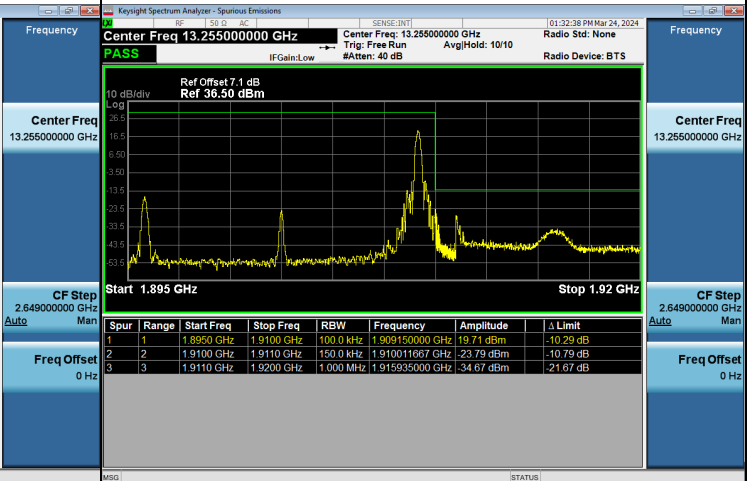
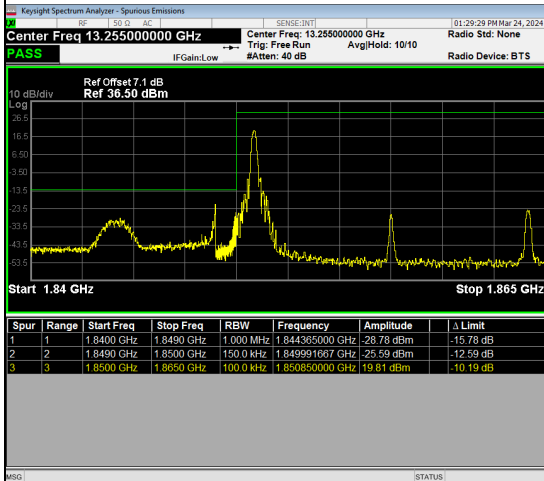
1RB#74

Channel

18675

Channel

19125



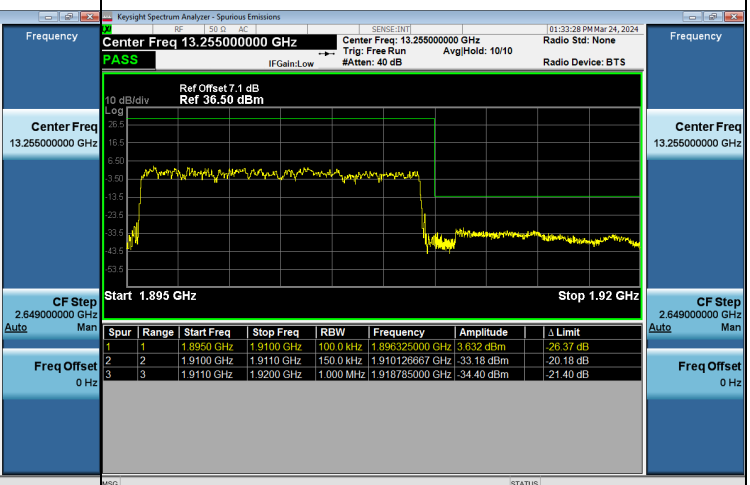
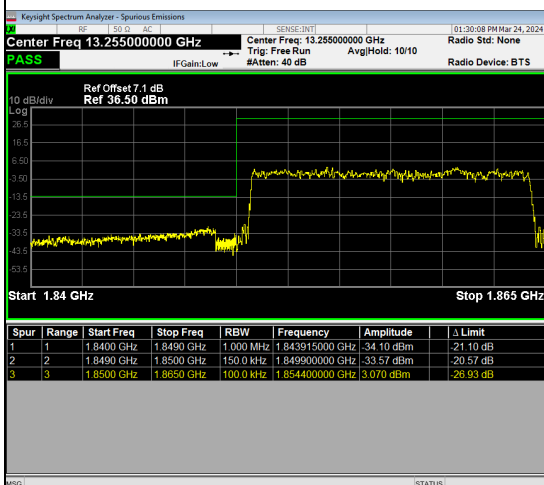
## 75RB#0

Channel

18675

Channel

19125



### LTE Band 2\_20MHz Spectrum Plot

1RB#0

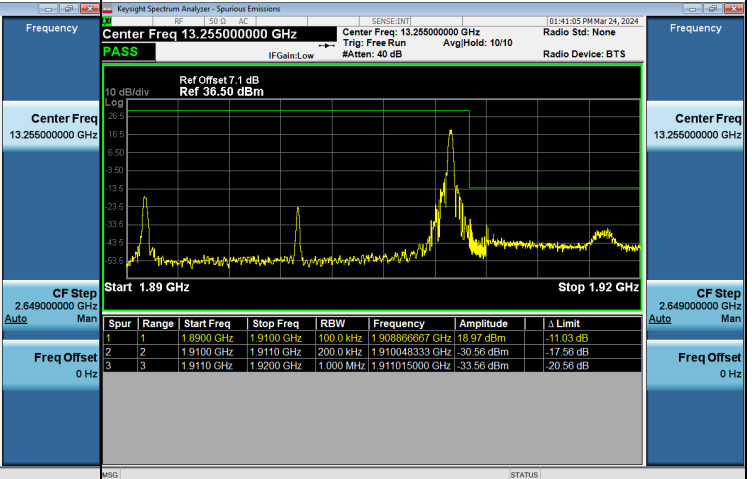
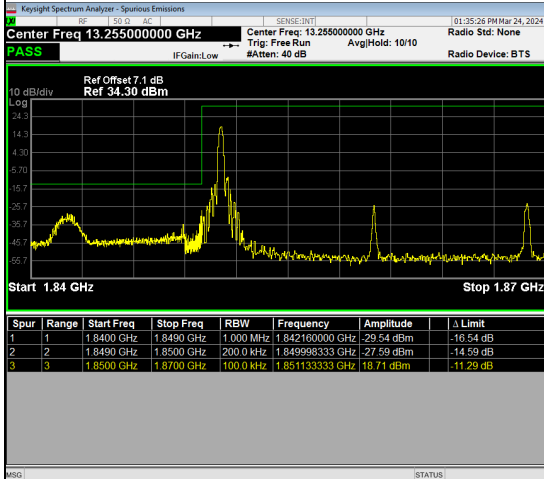
1RB#99

Channel

18700

Channel

19100



100RB#0

Channel

18700

Channel

19100

