

## **A.1. Field Strength of Spurious Radiation**

# 1 GSM 850

## 1.1 GSM 850 Low Channel

### RSE-H GSM850 128 30MHz-10GHz

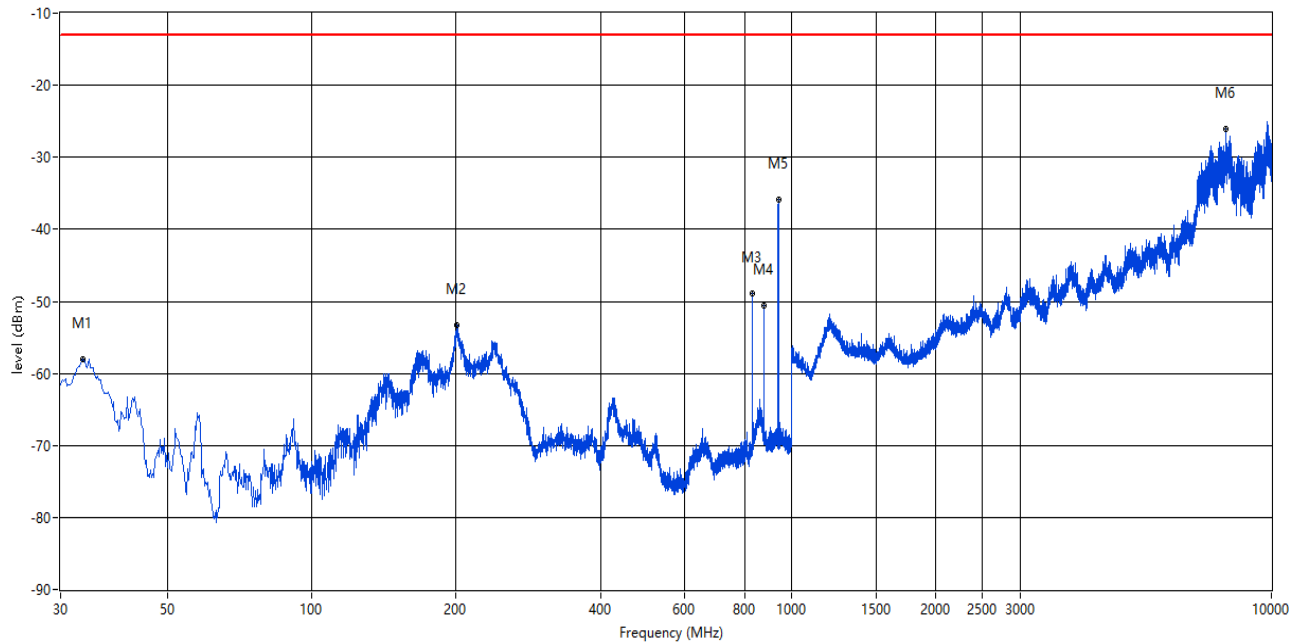
RSE Test case\_CE FCC\_FCC PART22&24&27\_FCC PART 22\_850\_GSM 850&CDMA BC0&WCDMA B5&LTE B5&26



| Frequency (MHz) | Result (dBm) | Factor (dB) | PK Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|----------------|-------------|-----------|------------|----------|---------|
| 173.282         | -53.45       | -16.87      | -13.0          | 40.45       | 209.00    | Horizontal | Vertical | Pass    |
| 824.535         | -55.87       | 3.18        | -13.0          | 42.87       | 182.00    | Horizontal | Vertical | N.A     |
| 869.386         | -51.25       | 3.30        | -13.0          | 38.25       | 253.00    | Horizontal | Vertical | N.A     |
| 938.905         | -40.24       | 2.59        | -13.0          | 27.24       | 178.00    | Horizontal | Vertical | N.A     |
| 3800.800        | -43.72       | 12.15       | -13.0          | 30.72       | 140.00    | Horizontal | Vertical | Pass    |
| 8154.711        | -27.12       | 21.45       | -13.0          | 14.12       | 239.00    | Horizontal | Vertical | Pass    |

## RSE-V GSM850 128 30MHz-10GHz

RSE Test case\_CE FCC\_FCC PART22&24&27\_FCC PART 22\_850\_GSM 850&CDMA BC0&WCDMA B5&LTE B5&26



| Frequency (MHz) | Result (dBm) | Factor (dB) | PK Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|----------------|-------------|-----------|----------|----------|---------|
| 33.394          | -57.99       | -11.62      | -13.0          | 44.99       | 205.00    | Vertical | Vertical | Pass    |
| 200.435         | -53.27       | -9.07       | -13.0          | 40.27       | 355.90    | Vertical | Vertical | Pass    |
| 824.535         | -48.87       | 3.18        | -13.0          | 35.87       | 359.80    | Vertical | Vertical | N.A     |
| 869.386         | -50.57       | 3.30        | -13.0          | 37.57       | 151.10    | Vertical | Vertical | N.A     |
| 938.905         | -35.83       | 2.59        | -13.0          | 22.83       | 158.50    | Vertical | Vertical | N.A     |
| 8027.993        | -26.15       | 19.74       | -13.0          | 13.15       | 4.00      | Vertical | Vertical | Pass    |

## 2 GSM 1900

### 2.1 GSM 1900 High Channel

RSE H GSM1900 810 30MHz-10GHz

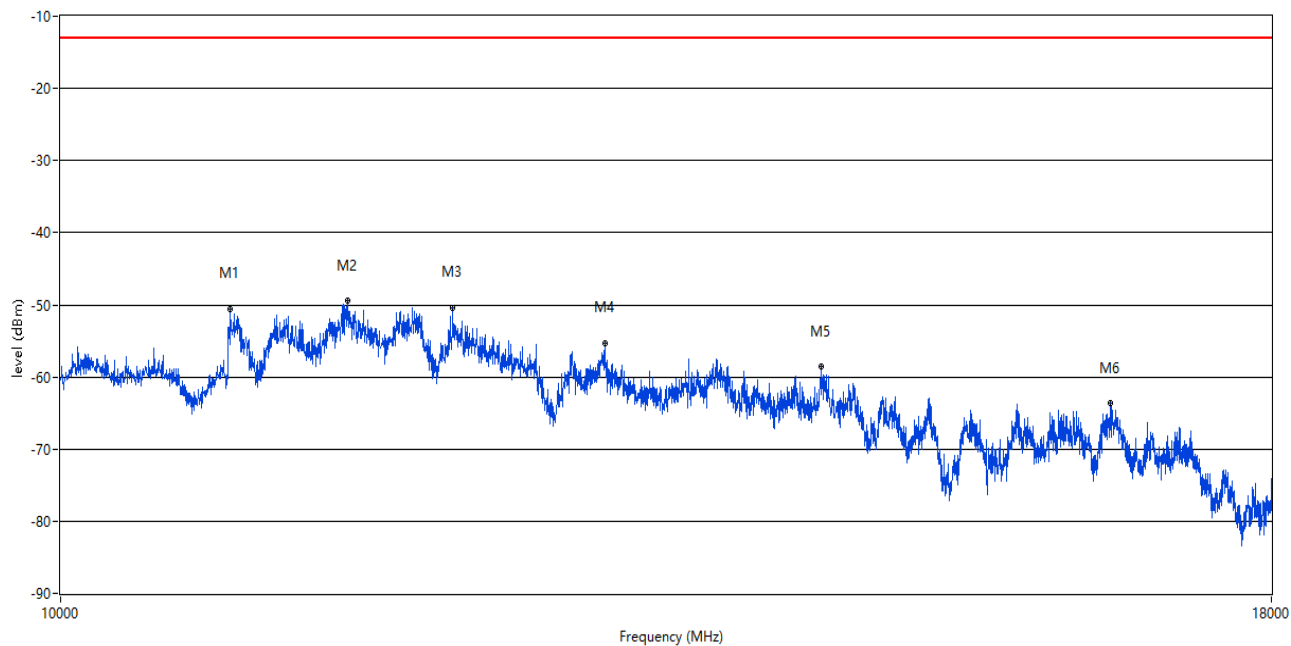
RSE Test case\_CE FCC\_FCC PART22&24&27\_FCC PART 24\_1900\_GSM 1900&WCDMA B2&CDMA BC1&LTE B2&25



| Frequency (MHz) | Result (dBm) | Factor (dB) | PK Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|----------------|-------------|-----------|------------|----------|---------|
| 174.009         | -54.13       | -17.22      | -13.0          | 41.13       | 153.60    | Horizontal | Vertical | Pass    |
| 1204.949        | -52.50       | 4.42        | -13.0          | 39.50       | 326.60    | Horizontal | Vertical | Pass    |
| 1909.768        | -47.54       | 0.85        | -13.0          | 34.54       | 30.00     | Horizontal | Vertical | N.A     |
| 1989.258        | -40.84       | 1.10        | -13.0          | 27.84       | 35.50     | Horizontal | Vertical | N.A     |
| 3862.784        | -43.88       | 11.71       | -13.0          | 30.88       | 249.60    | Horizontal | Vertical | Pass    |
| 8202.699        | -27.84       | 21.42       | -13.0          | 14.84       | 4.00      | Horizontal | Vertical | Pass    |

## RSE H GSM1900 810 10-18GHz

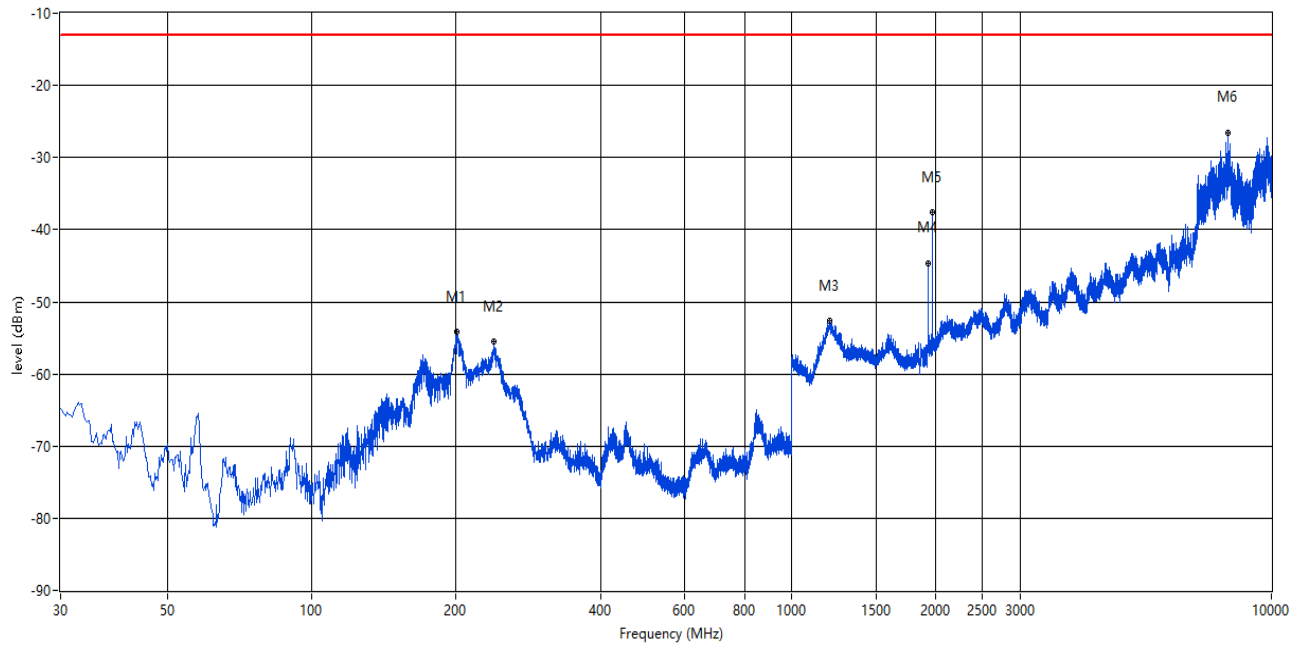
RSE Test case\_CE FCC\_FCC PART22&24&27\_FCC LTE B2&4&25 10-18G



| Frequency (MHz) | Result (dBm) | Factor (dB) | PK Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|----------------|-------------|-----------|------------|----------|---------|
| 10857.786       | -50.55       | -9.38       | -13.0          | 37.55       | 336.00    | Horizontal | Vertical | Pass    |
| 11497.626       | -49.43       | -7.93       | -13.0          | 36.43       | 140.00    | Horizontal | Vertical | Pass    |
| 12095.476       | -50.34       | -9.10       | -13.0          | 37.34       | 5.00      | Horizontal | Vertical | Pass    |
| 13023.244       | -55.35       | -7.74       | -13.0          | 42.35       | 324.00    | Horizontal | Vertical | Pass    |
| 14466.883       | -58.55       | -7.56       | -13.0          | 45.55       | 54.00     | Horizontal | Vertical | Pass    |
| 16650.337       | -63.67       | -6.89       | -13.0          | 50.67       | 319.00    | Horizontal | Vertical | Pass    |

## RSE V GSM1900 810 30MHz-10GHz

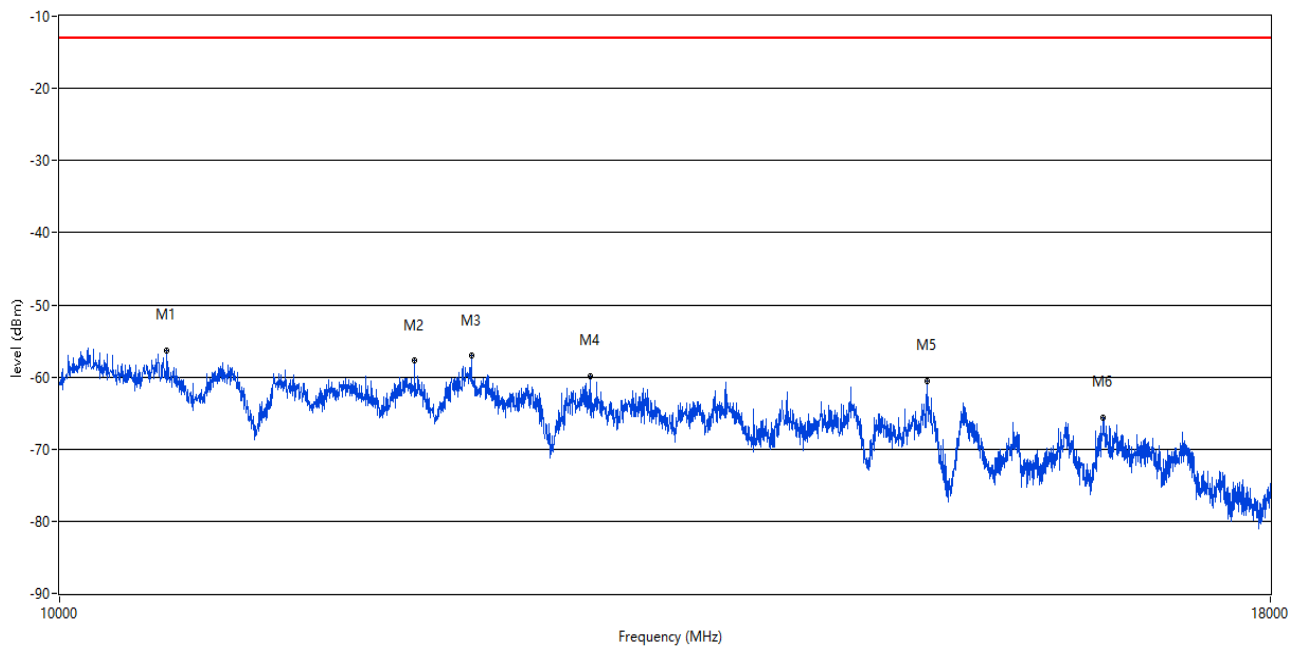
RSE Test case\_CE FCC\_FCC PART22&24&27\_FCC PART 24\_1900\_GSM 1900&WCDMA B2&CDMA BC1&LTE B2&25



| Frequency (MHz) | Result (dBm) | Factor (dB) | PK Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|----------------|-------------|-----------|----------|----------|---------|
| 200.435         | -54.15       | -9.30       | -13.0          | 41.15       | 10.10     | Vertical | Vertical | Pass    |
| 239.710         | -55.54       | -3.66       | -13.0          | 42.54       | 359.80    | Vertical | Vertical | Pass    |
| 1202.949        | -52.61       | 4.51        | -13.0          | 39.61       | 55.70     | Vertical | Vertical | Pass    |
| 1909.768        | -44.62       | 0.85        | -13.0          | 31.62       | 136.50    | Vertical | Vertical | N.A     |
| 1989.258        | -37.60       | 1.10        | -13.0          | 24.60       | 316.00    | Vertical | Vertical | N.A     |
| 8123.219        | -26.58       | 21.41       | -13.0          | 13.58       | 4.00      | Vertical | Vertical | Pass    |

## RSE V GSM1900 810 10-18GHz

RSE Test case\_CE FCC\_FCC PART22&24&27\_FCC LTE B2&4&25 10-18G



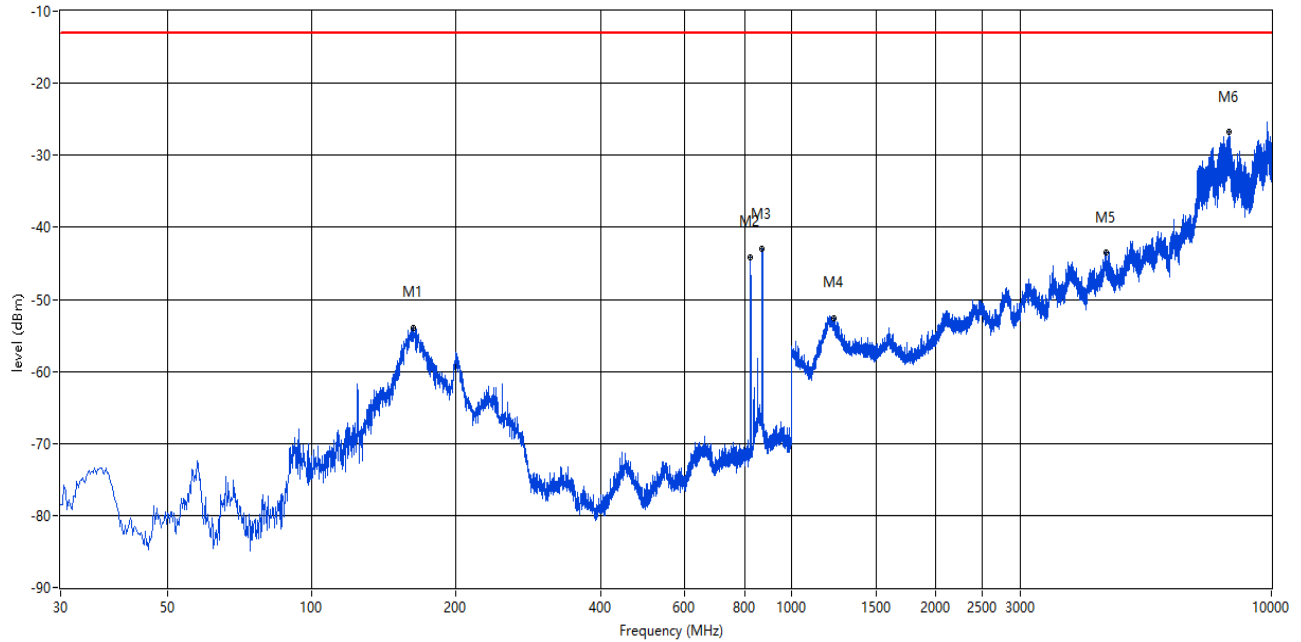
| Frequency (MHz) | Result (dBm) | Factor (dB) | PK Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|----------------|-------------|-----------|----------|----------|---------|
| 10533.867       | -56.34       | -9.40       | -13.0          | 43.34       | 0.00      | Vertical | Vertical | Pass    |
| 11879.530       | -57.73       | -8.72       | -13.0          | 44.73       | 146.00    | Vertical | Vertical | Pass    |
| 12211.447       | -57.09       | -7.55       | -13.0          | 44.09       | 319.00    | Vertical | Vertical | Pass    |
| 12937.266       | -59.86       | -8.03       | -13.0          | 46.86       | 187.00    | Vertical | Vertical | Pass    |
| 15234.691       | -60.51       | -9.23       | -13.0          | 47.51       | 266.00    | Vertical | Vertical | Pass    |
| 16598.350       | -65.67       | -7.03       | -13.0          | 52.67       | 180.00    | Vertical | Vertical | Pass    |

### 3 CDMA BC0

#### 3.1 CDMA BC0 Low Channel

##### RSE-H CDMA800 1013

RSE Test case\_CE FCC\_FCC PART22&24&27\_FCC PART 22\_850\_GSM 850&CDMA BC0&WCDMA B5&LTE B5&26

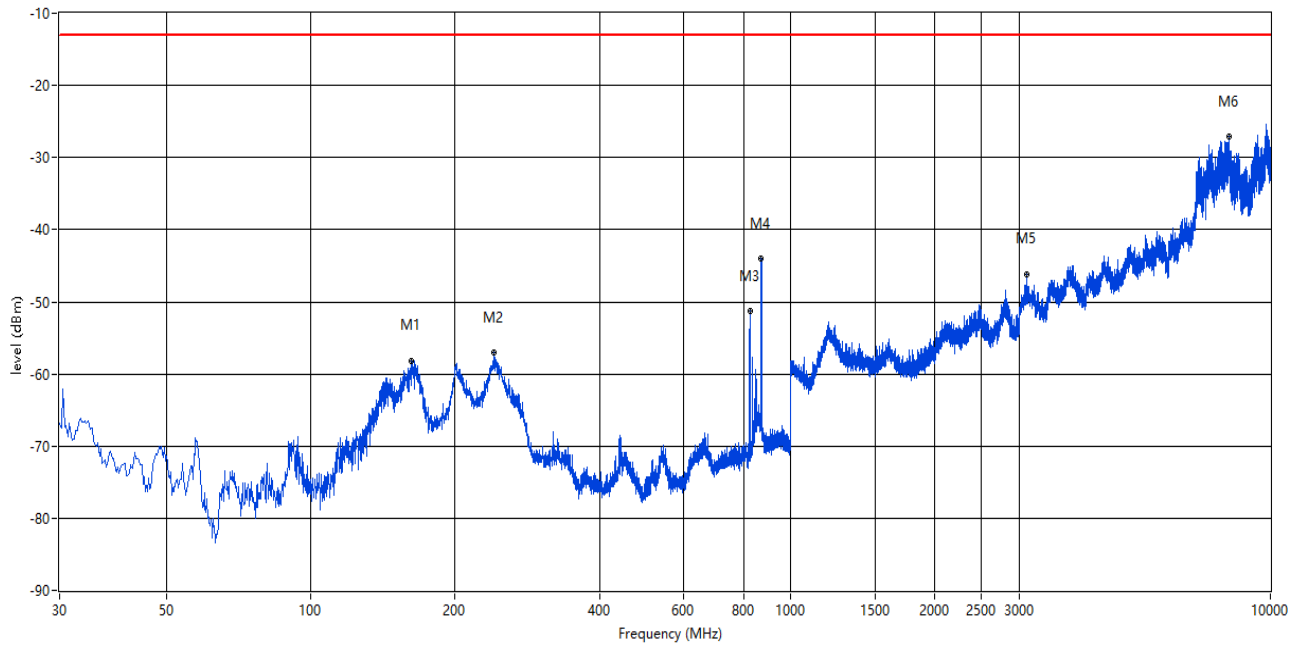


| Frequency (MHz) | Result (dBm) | Factor (dB) | PK Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|----------------|-------------|-----------|------------|----------|---------|
| 163.342         | -53.95       | -15.87      | -13.0          | 40.95       | 37.00     | Horizontal | Vertical | Pass    |
| 824.049         | -43.18       | 1.98        | -13.0          | 30.18       | 286.00    | Horizontal | Vertical | N.A     |
| 869.568         | -42.93       | 4.34        | -13.0          | 29.93       | 184.00    | Horizontal | Vertical | N.A     |
| 1226.943        | -52.71       | 3.32        | -13.0          | 39.71       | 356.00    | Horizontal | Vertical | Pass    |
| 4532.617        | -43.54       | 13.07       | -13.0          | 30.54       | 71.00     | Horizontal | Vertical | Pass    |
| 8165.209        | -26.74       | 21.46       | -13.0          | 13.74       | 131.00    | Horizontal | Vertical | Pass    |



## RSE-V CDMA800 1013

RSE Test case\_CE FCC\_FCC PART22&24&27\_FCC PART 22\_850\_GSM 850&CDMA BC0&WCDMA B5&LTE B5&26



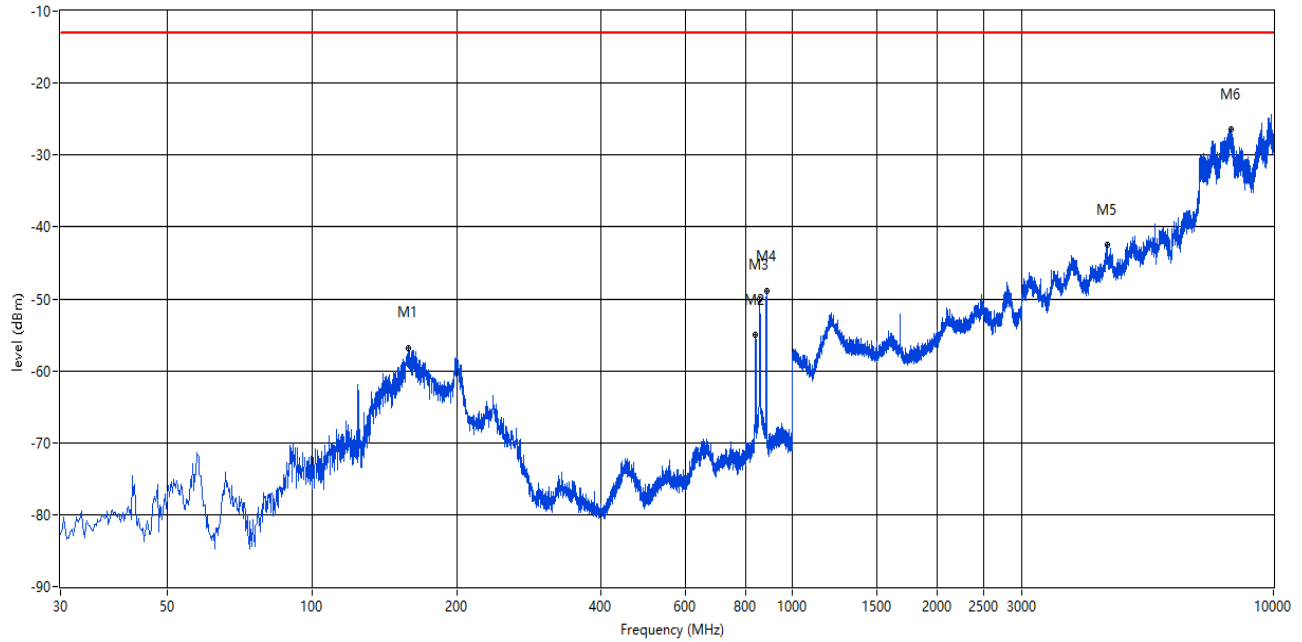
| Frequency (MHz) | Result (dBm) | Factor (dB) | PK Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|----------------|-------------|-----------|----------|----------|---------|
| 162.129         | -58.26       | -15.83      | -13.0          | 45.26       | 58.00     | Vertical | Vertical | Pass    |
| 240.437         | -57.09       | -3.43       | -13.0          | 44.09       | 329.00    | Vertical | Vertical | Pass    |
| 824.474         | -51.21       | 2.31        | -13.0          | 38.21       | 188.00    | Vertical | Vertical | N.A     |
| 869.568         | -43.92       | 4.34        | -13.0          | 30.92       | 65.00     | Vertical | Vertical | N.A     |
| 3112.972        | -46.12       | 10.15       | -13.0          | 33.12       | 244.00    | Vertical | Vertical | Pass    |
| 8213.197        | -27.11       | 21.06       | -13.0          | 14.11       | 123.00    | Vertical | Vertical | Pass    |

## 4 WCDMA Band 5

### 4.1 WCDMA Band 5 Middle Channel

RSE-H-30MHz-10GHzHz-WCDMA-BAND5-CH4182

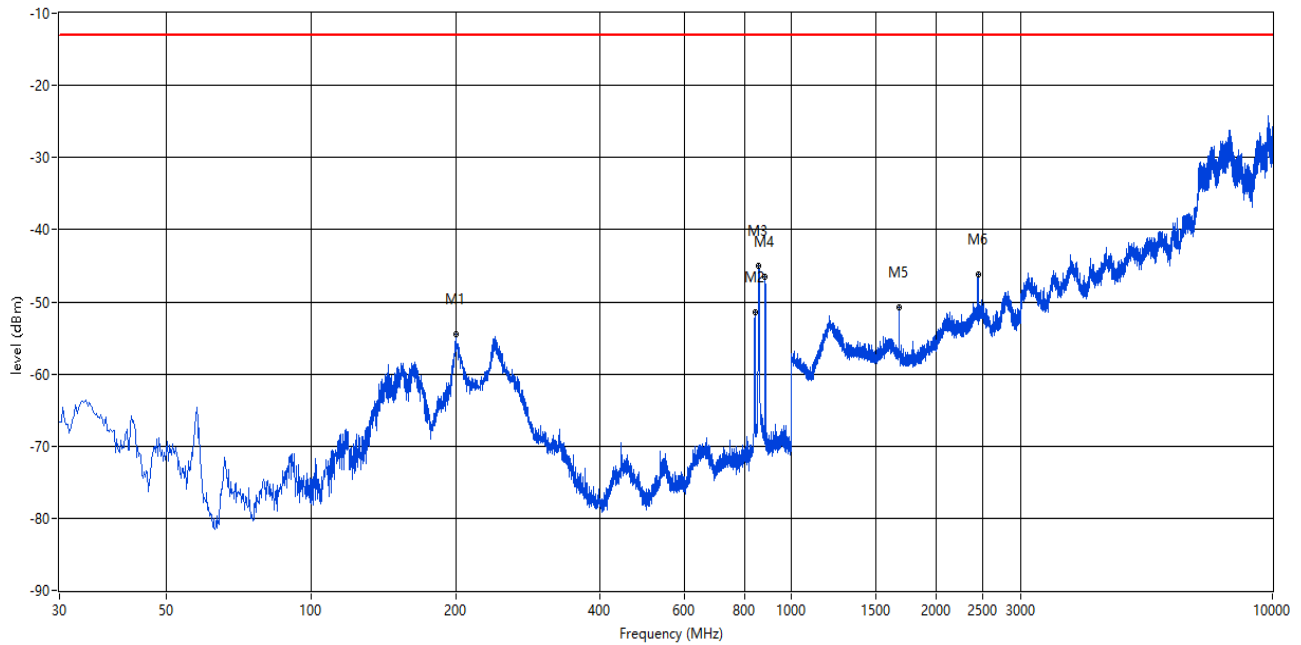
RSE Test case\_CE FCC\_FCC PART22&24&27\_FCC PART 22\_850\_GSM 850&CDMA BC0&WCDMA B5&LTE B5&26



| Frequency (MHz) | Result (dBm) | Factor (dB) | PK Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|----------------|-------------|-----------|------------|----------|---------|
| 158.978         | -56.92       | -15.74      | -13.0          | 43.92       | 136.30    | Horizontal | Vertical | Pass    |
| 836.656         | -55.06       | 4.01        | -13.0          | 42.06       | 162.20    | Horizontal | Vertical | N.A     |
| 854.536         | -50.02       | 5.52        | -13.0          | 37.02       | 175.30    | Horizontal | Vertical | N.A     |
| 881.417         | -48.97       | 2.16        | -13.0          | 35.97       | 24.90     | Horizontal | Vertical | N.A     |
| 4517.621        | -42.53       | 13.50       | -13.0          | 29.53       | 360.00    | Horizontal | Vertical | Pass    |
| 8157.711        | -26.43       | 21.46       | -13.0          | 13.43       | 300.10    | Horizontal | Vertical | Pass    |

## RSE-V-30MHz-10GHzHz-WCDMA-BAND5-CH4182

RSE Test case\_CE FCC\_FCC PART22&24&27\_FCC PART 22\_850\_GSM 850&CDMA BC0&WCDMA B5&LTE B5&26



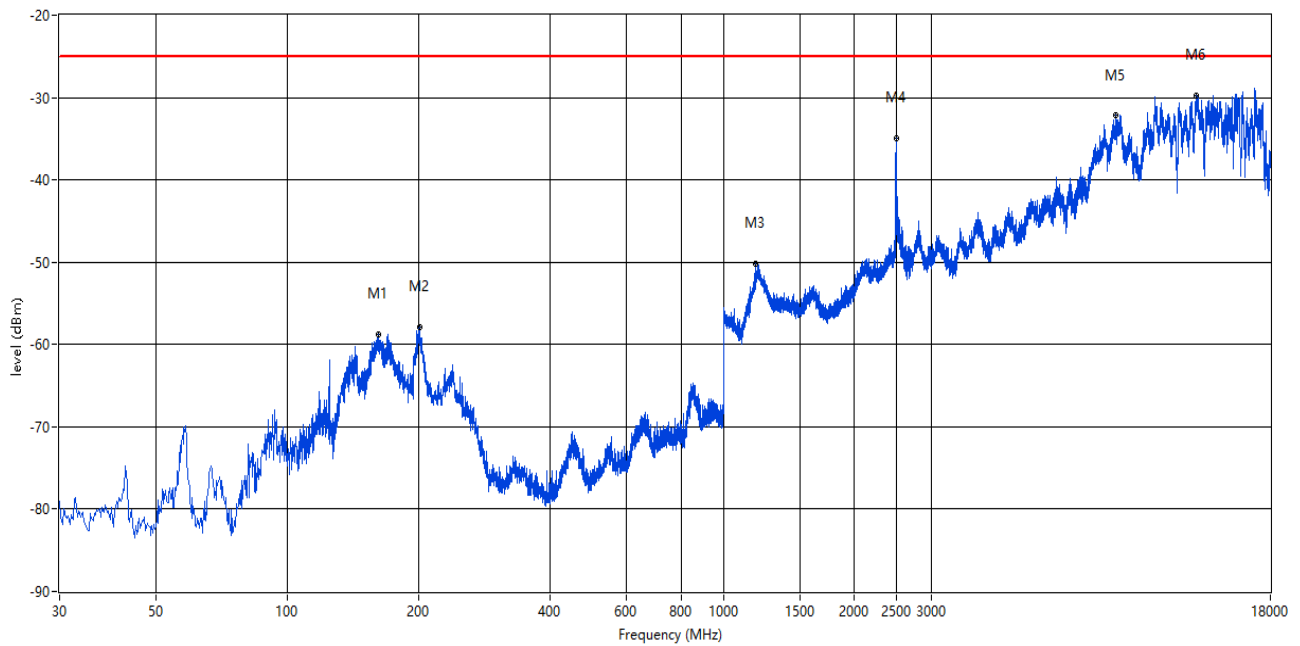
| Frequency (MHz) | Result (dBm) | Factor (dB) | PK Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|----------------|-------------|-----------|----------|----------|---------|
| 199.950         | -54.55       | -8.89       | -13.0          | 41.55       | 1.40      | Vertical | Vertical | Pass    |
| 836.293         | -51.43       | 4.73        | -13.0          | 38.43       | 359.80    | Vertical | Vertical | N.A     |
| 854.536         | -44.98       | 5.52        | -13.0          | 31.98       | 352.20    | Vertical | Vertical | N.A     |
| 881.447         | -46.48       | 2.28        | -13.0          | 33.48       | 238.60    | Vertical | Vertical | N.A     |
| 1674.331        | -50.82       | -0.69       | -13.0          | 37.82       | 219.80    | Vertical | Vertical | Pass    |
| 2440.640        | -46.25       | 6.02        | -13.0          | 33.25       | 195.40    | Vertical | Vertical | Pass    |

## 5 LTE Band 7

### 5.1 LTE Band 7 Bandwidth 5MHz, Low Channel

#### RSE-H 5wid 30MHz-18GHz Low

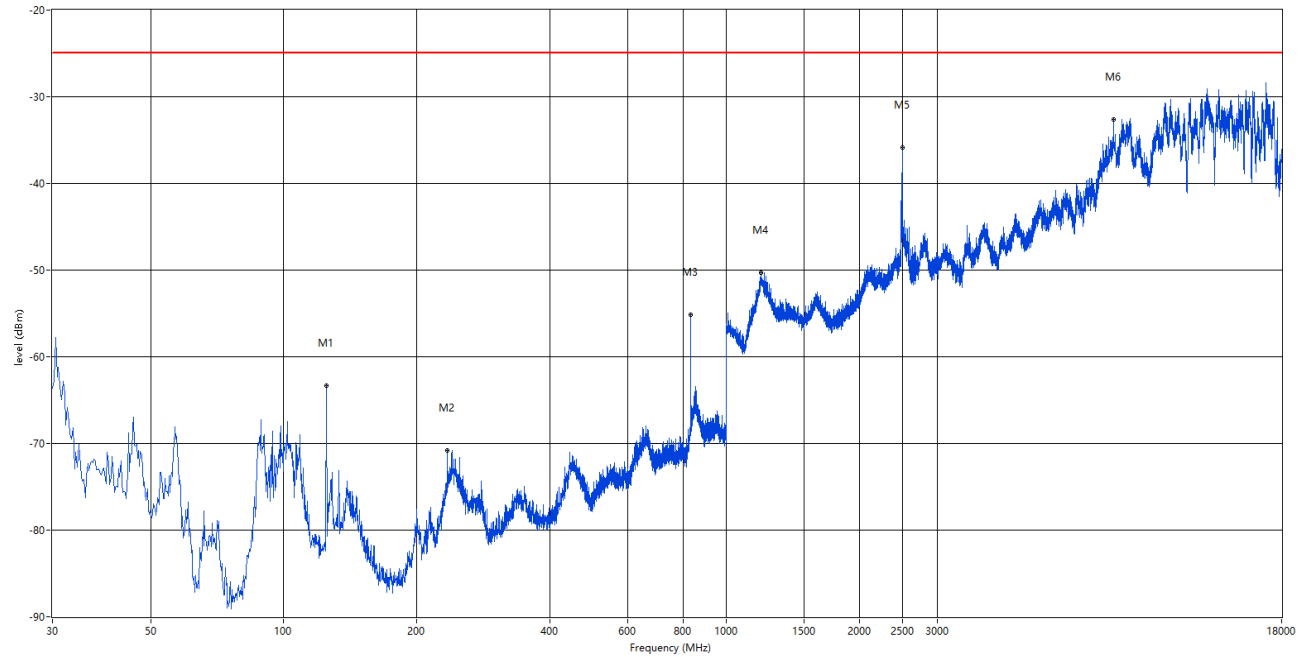
RSE Test case\_CE FCC\_FCC PART22&24&27\_FCC PART 27\_2535\_LTE B7



| Frequency (MHz) | Result (dBm) | Factor (dB) | PK Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|----------------|-------------|-----------|------------|----------|---------|
| 161.887         | -58.71       | -14.97      | -25.0          | 33.71       | 113.50    | Horizontal | Vertical | Pass    |
| 200.920         | -57.90       | -8.19       | -25.0          | 32.90       | 135.80    | Horizontal | Vertical | Pass    |
| 1188.453        | -50.26       | 5.68        | -25.0          | 25.26       | 123.90    | Horizontal | Vertical | Pass    |
| 2502.125        | -34.88       | 13.12       | -25.0          | 9.88        | 37.70     | Horizontal | Vertical | N.A     |
| 7937.516        | -32.21       | 19.29       | -25.0          | 7.21        | 298.40    | Horizontal | Vertical | Pass    |
| 12196.201       | -29.77       | 25.51       | -25.0          | 4.77        | 233.90    | Horizontal | Vertical | Pass    |

## RSE-V 5wid 30MHz-18GHz Low

RSE Test case\_CE FCC\_FCC PART22&24&27\_FCC PART 27\_2535\_LTE B7



| Frequency (MHz) | Result (dBm) | Factor (dB) | PK Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|----------------|-------------|-----------|----------|----------|---------|
| 124.794         | -63.34       | -14.36      | -25.0          | 38.34       | 350.20    | Vertical | Vertical | Pass    |
| 233.892         | -70.81       | -4.36       | -25.0          | 45.81       | 358.60    | Vertical | Vertical | Pass    |
| 831.020         | -55.19       | 4.04        | -25.0          | 30.19       | 99.10     | Vertical | Vertical | Pass    |
| 1198.950        | -50.30       | 6.40        | -25.0          | 25.30       | 125.10    | Vertical | Vertical | Pass    |
| 2501.125        | -35.90       | 13.12       | -25.0          | 10.90       | 207.30    | Vertical | Vertical | Pass    |
| 7511.372        | -32.65       | 19.94       | -25.0          | 7.65        | 0.00      | Vertical | Vertical | Pass    |