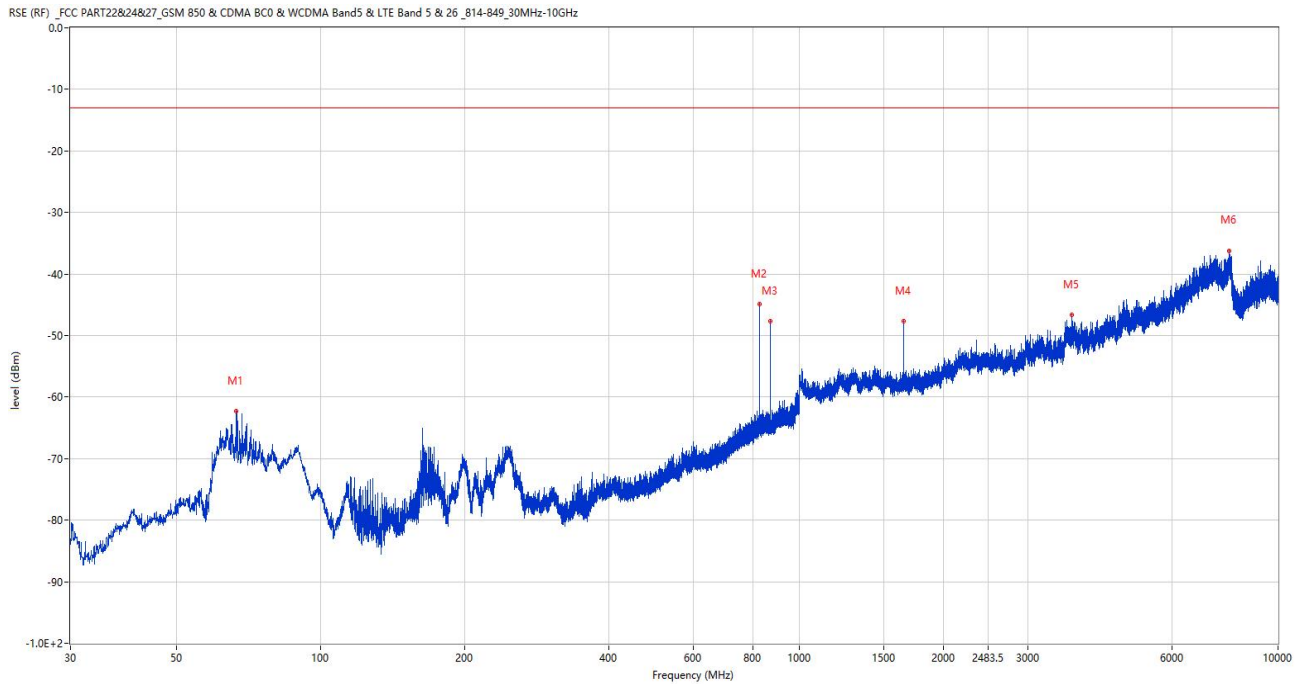


## **A.7 Field Strength of Spurious Radiation**

## 1. GSM

### 1.1 GSM 850

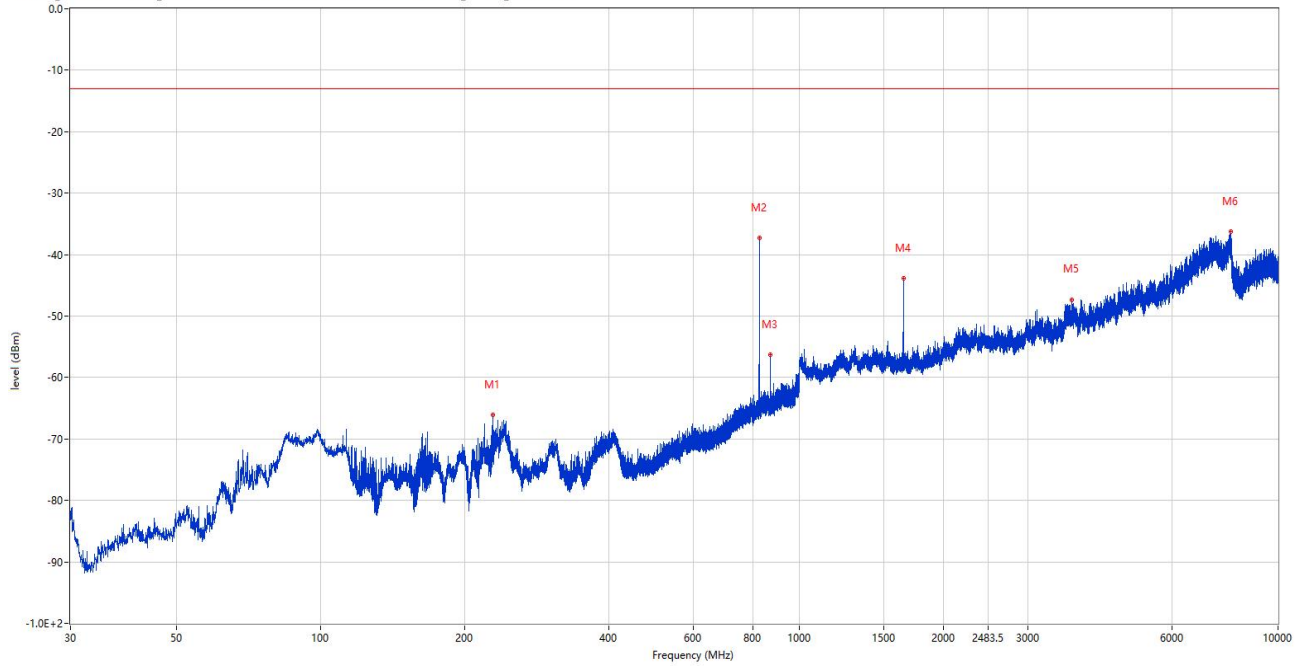
Band:GSM850,Channel:Low range



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 66.666          | -62.33       | -16.54      | -13.0       | 49.33       | 137.00    | Vertical | Horizontal | Pass    |
| 824.188         | -44.86       | 5.38        | -13.0       | 31.86       | 213.00    | Vertical | Horizontal | N/A     |
| 869.147         | -47.68       | 5.40        | -13.0       | 34.68       | 191.00    | Vertical | Horizontal | N/A     |
| 1649.200        | -47.69       | -3.61       | -13.0       | 34.69       | 171.00    | Vertical | Horizontal | Pass    |
| 3712.750        | -46.64       | 8.54        | -13.0       | 33.64       | 296.00    | Vertical | Horizontal | Pass    |
| 7919.500        | -36.21       | 19.26       | -13.0       | 23.21       | 63.00     | Vertical | Horizontal | Pass    |

Band:GSM850,Channel:Low range

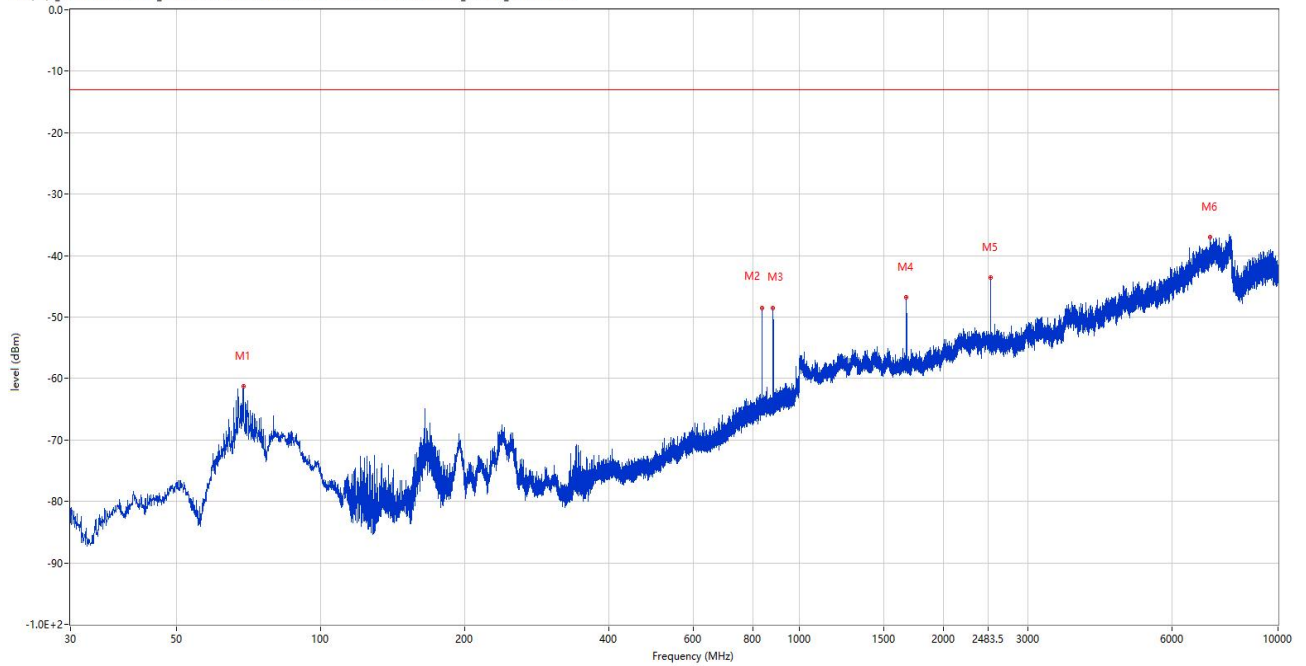
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 229.141         | -66.05       | -12.76      | -13.0       | 53.05       | 140.00    | Horizontal | Horizontal | Pass    |
| 824.188         | -37.24       | 5.38        | -13.0       | 24.24       | 52.00     | Horizontal | Horizontal | N/A     |
| 869.196         | -56.30       | 5.40        | -13.0       | 43.30       | 271.00    | Horizontal | Horizontal | N/A     |
| 1649.300        | -43.90       | -3.61       | -13.0       | 30.90       | 9.00      | Horizontal | Horizontal | Pass    |
| 3712.750        | -47.43       | 8.54        | -13.0       | 34.43       | 280.00    | Horizontal | Horizontal | Pass    |
| 7960.000        | -36.23       | 19.78       | -13.0       | 23.23       | 57.00     | Horizontal | Horizontal | Pass    |

## Band:GSM850,Channel:Mid Range

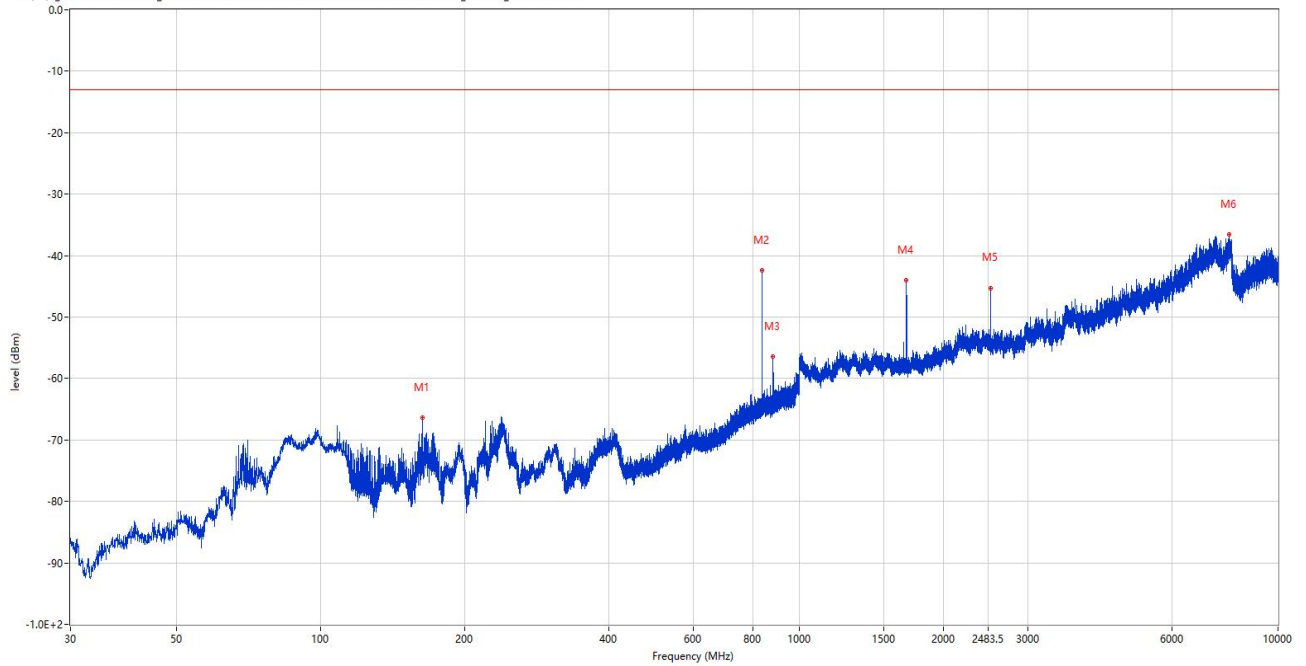
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 68.897          | -61.27       | -16.73      | -13.0       | 48.27       | 54.00     | Vertical | Horizontal | Pass    |
| 836.652         | -48.53       | 5.71        | -13.0       | 35.53       | 199.00    | Vertical | Horizontal | N/A     |
| 881.660         | -48.61       | 5.76        | -13.0       | 35.61       | 178.00    | Vertical | Horizontal | N/A     |
| 1674.000        | -46.82       | -3.70       | -13.0       | 33.82       | 161.00    | Vertical | Horizontal | Pass    |
| 2510.500        | -43.57       | 0.52        | -13.0       | 30.57       | 105.00    | Vertical | Horizontal | Pass    |
| 7221.750        | -37.05       | 18.56       | -13.0       | 24.05       | 243.00    | Vertical | Horizontal | Pass    |

## Band:GSM850,Channel:Mid Range

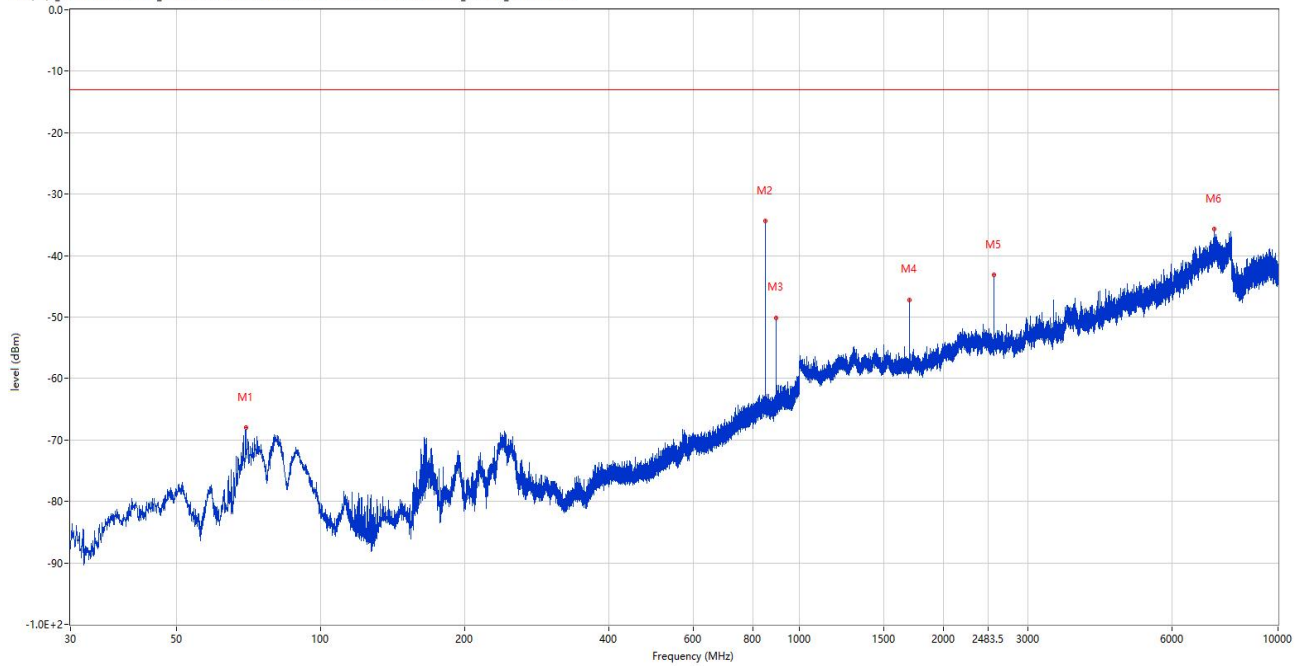
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 163.036         | -66.39       | -17.63      | -13.0       | 53.39       | 335.00    | Horizontal | Horizontal | Pass    |
| 836.652         | -42.42       | 5.71        | -13.0       | 29.42       | 37.00     | Horizontal | Horizontal | N/A     |
| 881.612         | -56.50       | 5.76        | -13.0       | 43.50       | 254.00    | Horizontal | Horizontal | N/A     |
| 1674.100        | -43.99       | -3.70       | -13.0       | 30.99       | 12.00     | Horizontal | Horizontal | Pass    |
| 2511.000        | -45.26       | 0.54        | -13.0       | 32.26       | 147.00    | Horizontal | Horizontal | Pass    |
| 7904.500        | -36.55       | 19.25       | -13.0       | 23.55       | 156.00    | Horizontal | Horizontal | Pass    |

## Band:GSM850,Channel:High Range

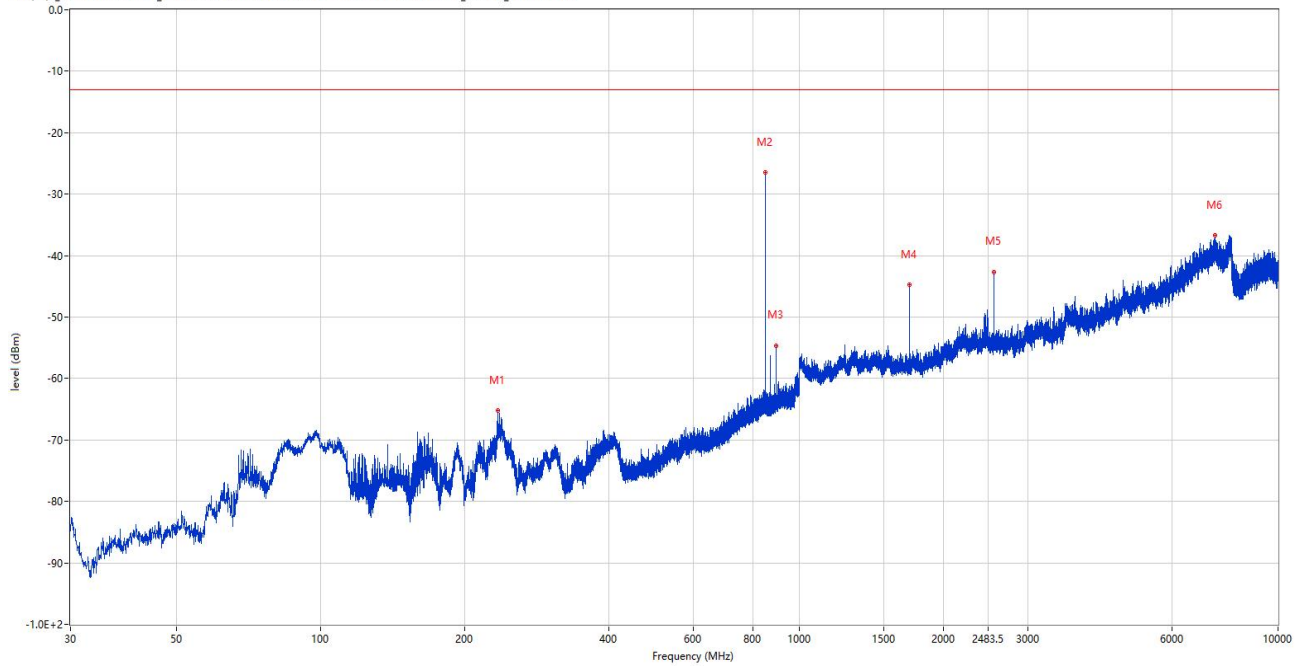
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 69.721          | -67.94       | -16.99      | -13.0       | 54.94       | 243.00    | Vertical | Horizontal | Pass    |
| 848.874         | -34.35       | 5.80        | -13.0       | 21.35       | 207.00    | Vertical | Horizontal | N/A     |
| 893.833         | -50.09       | 6.36        | -13.0       | 37.09       | 332.00    | Vertical | Horizontal | N/A     |
| 1698.600        | -47.16       | -4.04       | -13.0       | 34.16       | 160.00    | Vertical | Horizontal | Pass    |
| 2547.000        | -43.14       | 1.04        | -13.0       | 30.14       | 105.00    | Vertical | Horizontal | Pass    |
| 7348.000        | -35.65       | 17.78       | -13.0       | 22.65       | 191.00    | Vertical | Horizontal | Pass    |

## Band:GSM850,Channel:High Range

RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26\_814-849\_30MHz-10GHz

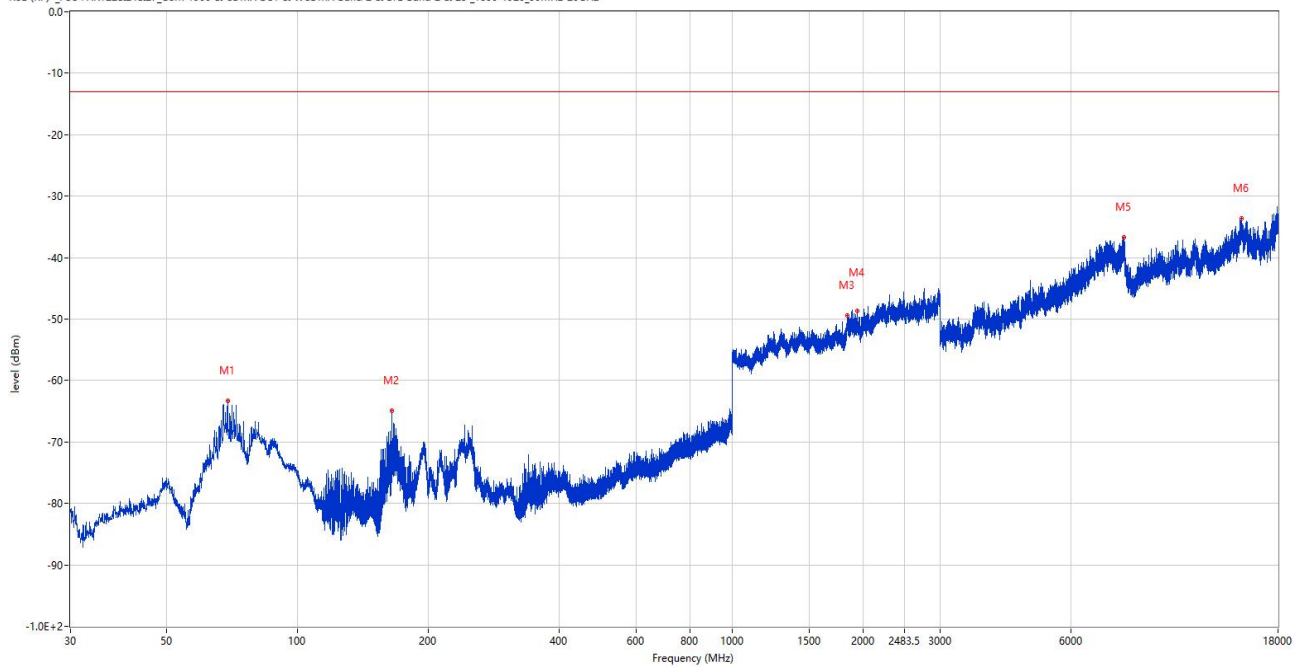


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 234.719         | -65.21       | -12.12      | -13.0       | 52.21       | 139.00    | Horizontal | Horizontal | Pass    |
| 848.874         | -26.47       | 5.80        | -13.0       | 13.47       | 24.00     | Horizontal | Horizontal | N/A     |
| 893.833         | -54.73       | 6.36        | -13.0       | 41.73       | 264.00    | Horizontal | Horizontal | N/A     |
| 1698.600        | -44.78       | -4.04       | -13.0       | 31.78       | 11.00     | Horizontal | Horizontal | Pass    |
| 2547.200        | -42.64       | 1.04        | -13.0       | 29.64       | 136.00    | Horizontal | Horizontal | Pass    |
| 7397.500        | -36.75       | 18.81       | -13.0       | 23.75       | 194.00    | Horizontal | Horizontal | Pass    |

## 1.2 GSM 1900

Band:GSM1900,Channel:Low Range

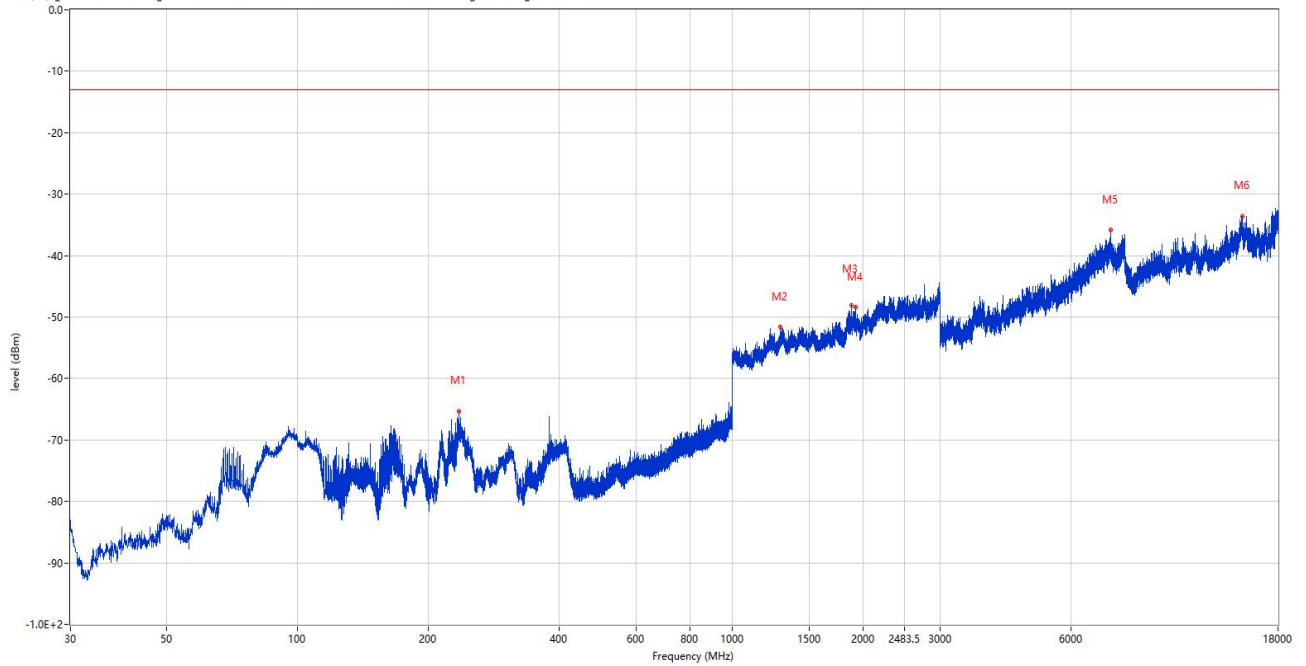
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 69.043          | -63.37       | -17.90      | -13.0       | 50.37       | 107.00    | Vertical | Horizontal | Pass    |
| 164.781         | -64.95       | -19.25      | -13.0       | 51.95       | 327.00    | Vertical | Horizontal | Pass    |
| 1840.300        | -49.39       | 3.41        | -13.0       | 36.39       | 334.00    | Vertical | Horizontal | N/A     |
| 1933.900        | -48.69       | 3.28        | -13.0       | 35.69       | 310.00    | Vertical | Horizontal | N/A     |
| 7971.500        | -36.68       | 19.80       | -13.0       | 23.68       | 81.00     | Vertical | Horizontal | Pass    |
| 14835.200       | -33.59       | 24.00       | -13.0       | 20.59       | 233.00    | Vertical | Horizontal | Pass    |

## Band:GSM1900,Channel:Low Range

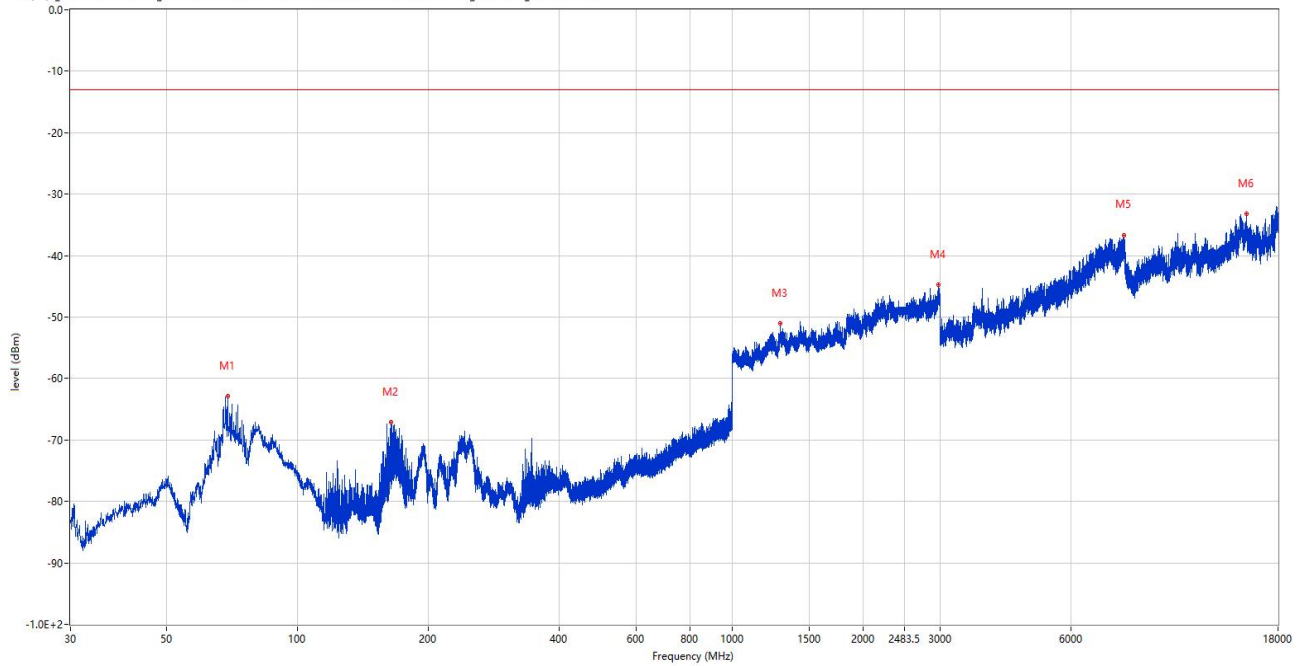
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 234.622         | -65.28       | -14.51      | -13.0       | 52.28       | 136.00    | Horizontal | Horizontal | Pass    |
| 1289.300        | -51.58       | 0.77        | -13.0       | 38.58       | 284.00    | Horizontal | Horizontal | Pass    |
| 1875.500        | -48.06       | 3.39        | -13.0       | 35.06       | 243.00    | Horizontal | Horizontal | N/A     |
| 1917.700        | -48.38       | 3.52        | -13.0       | 35.38       | 305.00    | Horizontal | Horizontal | N/A     |
| 7414.250        | -35.87       | 18.93       | -13.0       | 22.87       | 59.00     | Horizontal | Horizontal | Pass    |
| 14922.200       | -33.56       | 23.80       | -13.0       | 20.56       | 297.00    | Horizontal | Horizontal | Pass    |

## Band:GSM1900,Channel:Mid Range

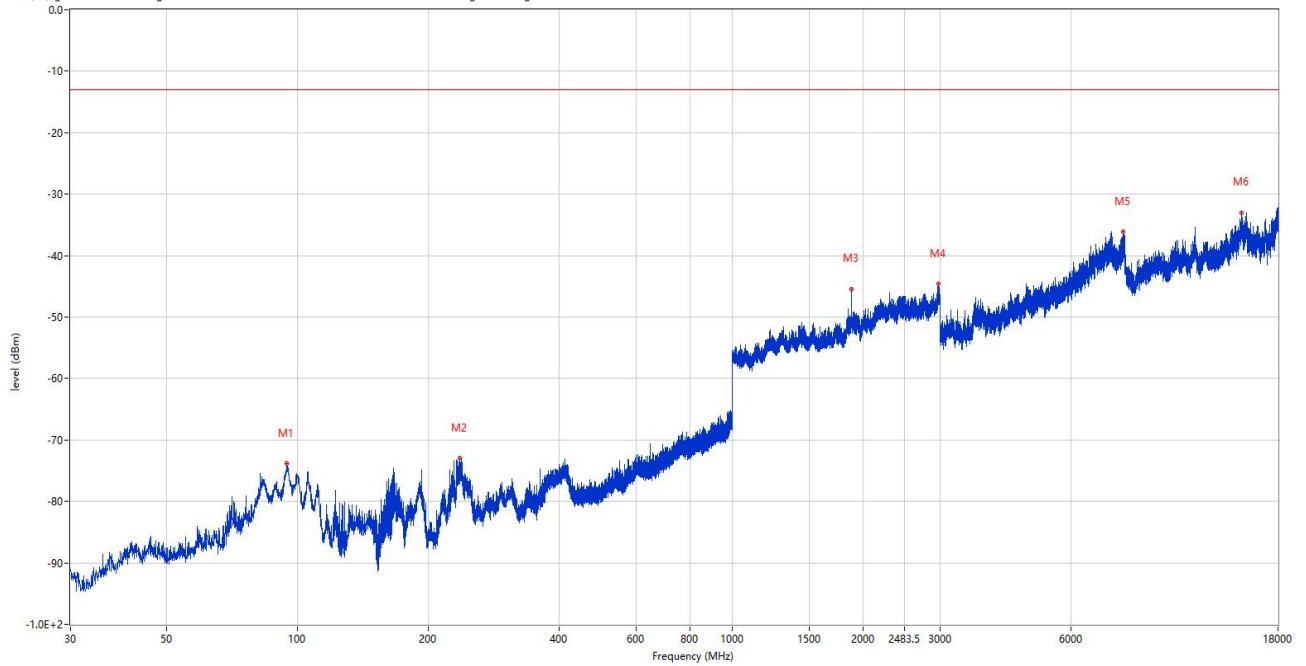
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 69.043          | -62.92       | -17.90      | -13.0       | 49.92       | 44.00     | Vertical | Horizontal | Pass    |
| 164.054         | -67.17       | -19.37      | -13.0       | 54.17       | 129.00    | Vertical | Horizontal | Pass    |
| 1286.500        | -51.05       | 0.51        | -13.0       | 38.05       | 256.00    | Vertical | Horizontal | Pass    |
| 2977.800        | -44.76       | 10.04       | -13.0       | 31.76       | 359.00    | Vertical | Horizontal | Pass    |
| 7949.500        | -36.64       | 19.71       | -13.0       | 23.64       | 312.00    | Vertical | Horizontal | Pass    |
| 15225.800       | -33.24       | 22.63       | -13.0       | 20.24       | 112.00    | Vertical | Horizontal | Pass    |

## Band:GSM1900,Channel:Mid Range

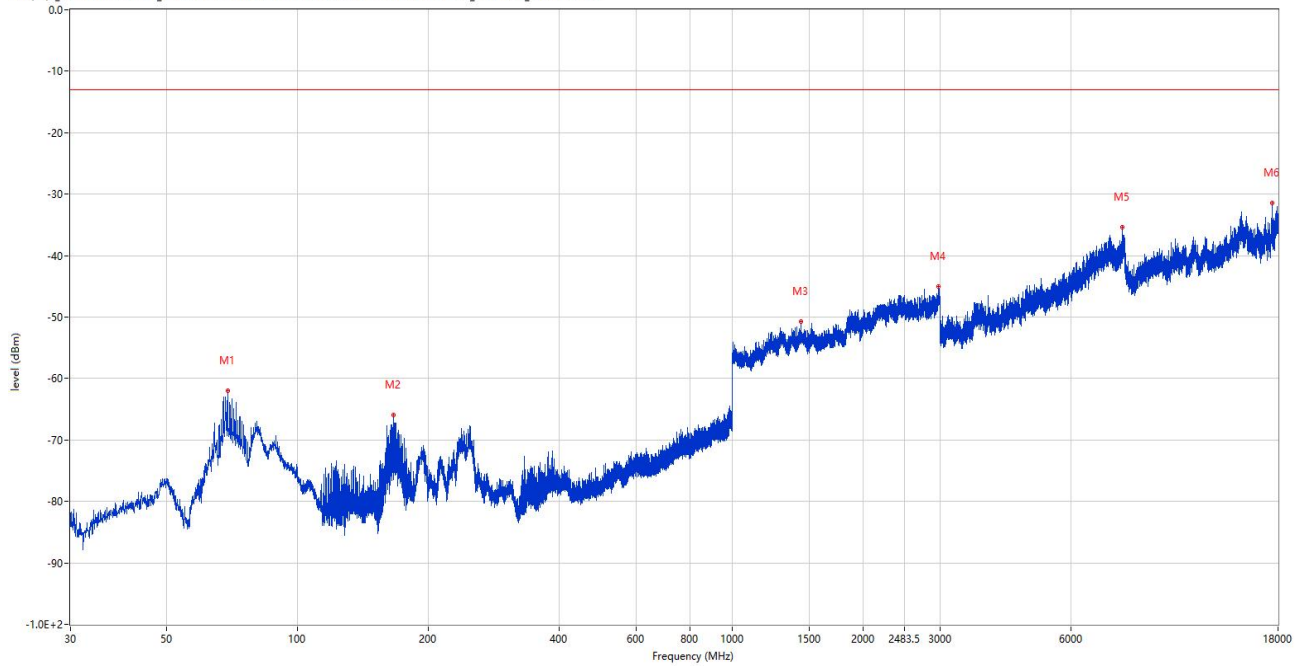
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 94.262          | -73.85       | -19.11      | -13.0       | 60.85       | 359.00    | Horizontal | Horizontal | Pass    |
| 235.398         | -72.93       | -14.49      | -13.0       | 59.93       | 139.00    | Horizontal | Horizontal | Pass    |
| 1880.700        | -45.41       | 3.42        | -13.0       | 32.41       | 206.00    | Horizontal | Horizontal | N/A     |
| 2975.800        | -44.55       | 10.03       | -13.0       | 31.55       | 78.00     | Horizontal | Horizontal | Pass    |
| 7920.500        | -36.07       | 19.25       | -13.0       | 23.07       | 79.00     | Horizontal | Horizontal | Pass    |
| 14815.400       | -32.97       | 24.50       | -13.0       | 19.97       | 249.00    | Horizontal | Horizontal | Pass    |

## Band:GSM1900,Channel:High Range

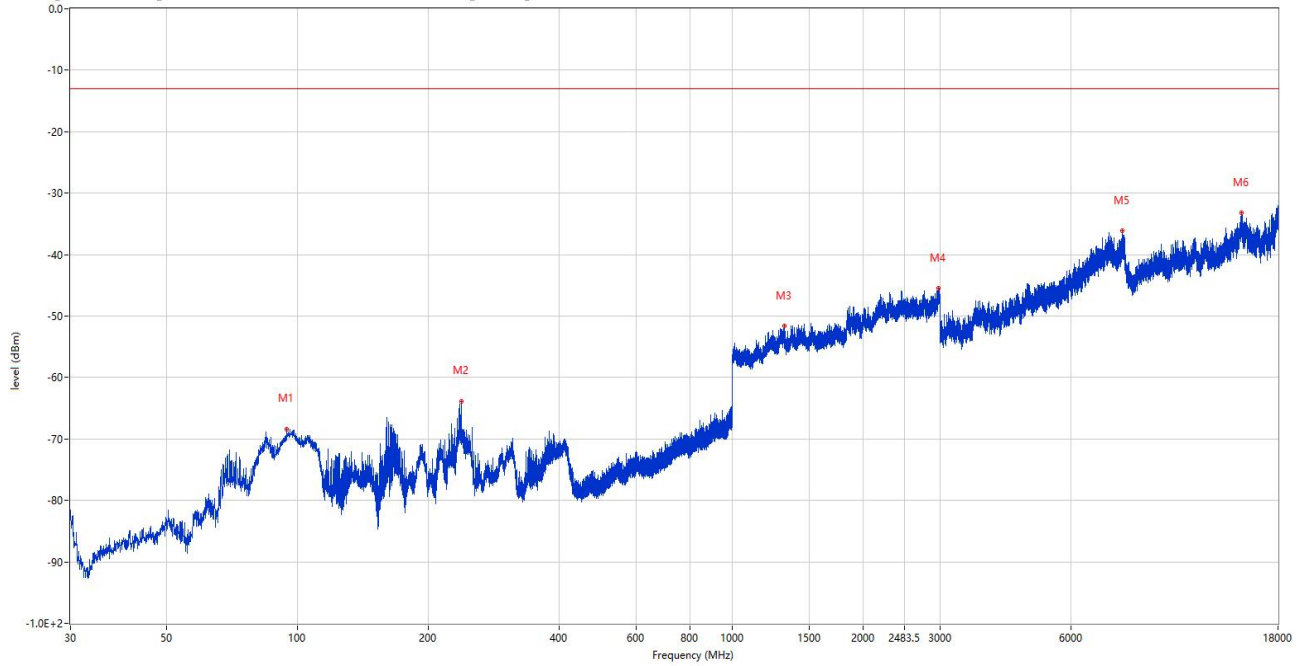
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 68.994          | -61.96       | -17.89      | -13.0       | 48.96       | 133.00    | Vertical | Horizontal | Pass    |
| 166.382         | -65.93       | -19.16      | -13.0       | 52.93       | 137.00    | Vertical | Horizontal | Pass    |
| 1439.600        | -50.78       | 0.92        | -13.0       | 37.78       | 1.00      | Vertical | Horizontal | Pass    |
| 2984.500        | -45.07       | 9.97        | -13.0       | 32.07       | 350.00    | Vertical | Horizontal | Pass    |
| 7898.250        | -35.42       | 19.12       | -13.0       | 22.42       | 42.00     | Vertical | Horizontal | Pass    |
| 17475.801       | -31.49       | 23.10       | -13.0       | 18.49       | 360.00    | Vertical | Horizontal | Pass    |

Band:GSM1900,Channel:High Range

RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25\_1830-1920\_30MHz-20GHz



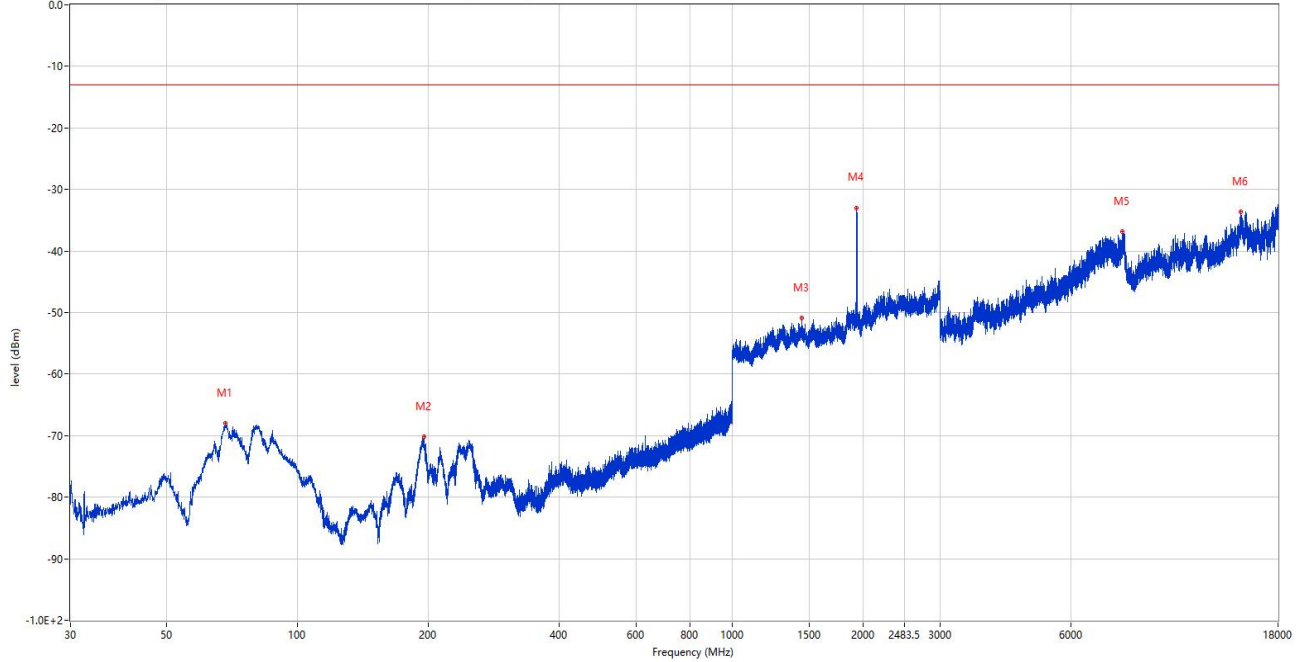
| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 94.311          | -68.37       | -19.11      | -13.0       | 55.37       | 193.00    | Horizontal | Horizontal | Pass    |
| 237.628         | -63.83       | -14.54      | -13.0       | 50.83       | 140.00    | Horizontal | Horizontal | Pass    |
| 1315.400        | -51.61       | 0.68        | -13.0       | 38.61       | 50.00     | Horizontal | Horizontal | Pass    |
| 2982.100        | -45.49       | 10.02       | -13.0       | 32.49       | 284.00    | Horizontal | Horizontal | Pass    |
| 7885.250        | -36.12       | 18.79       | -13.0       | 23.12       | 82.00     | Horizontal | Horizontal | Pass    |
| 14824.401       | -33.23       | 24.39       | -13.0       | 20.23       | 320.00    | Horizontal | Horizontal | Pass    |

## 2. WCDMA

### 2.1 WCDMA Band 2

Band:WCDMA B2,Channel:Low Range

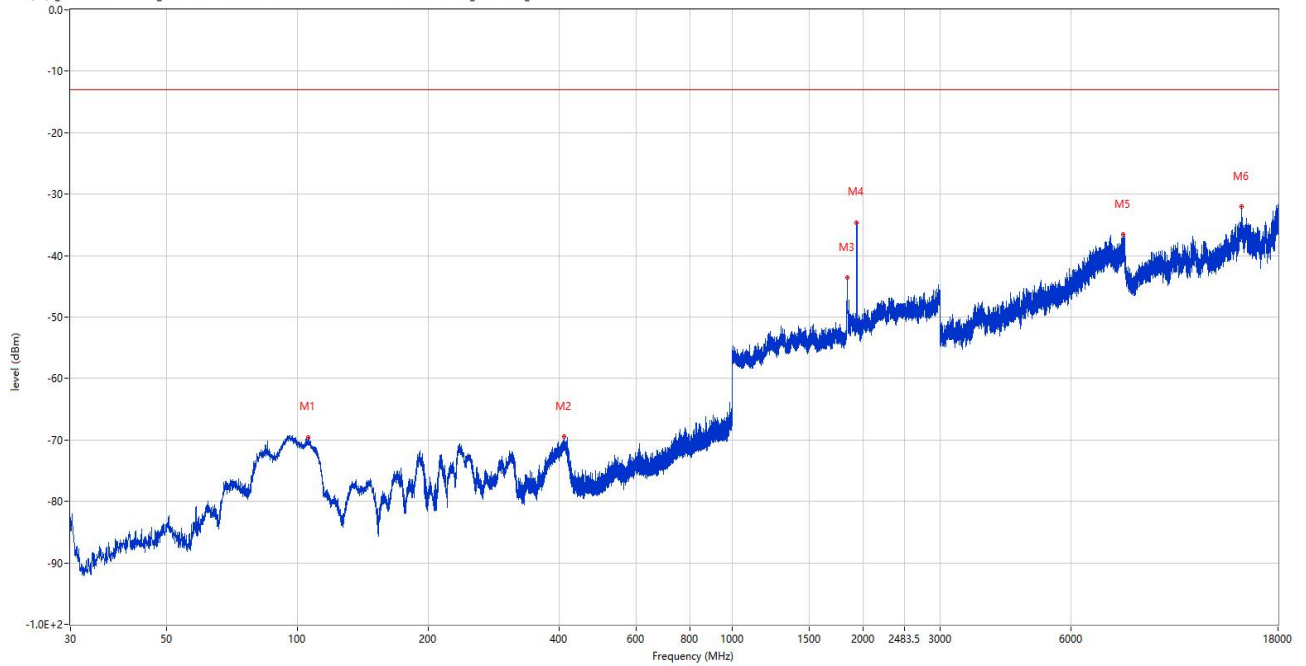
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 68.267          | -68.01       | -17.66      | -13.0       | 55.01       | 102.00    | Vertical | Horizontal | Pass    |
| 195.046         | -70.17       | -16.76      | -13.0       | 57.17       | 0.00      | Vertical | Horizontal | Pass    |
| 1444.400        | -50.92       | 0.85        | -13.0       | 37.92       | 63.00     | Vertical | Horizontal | Pass    |
| 1932.500        | -32.97       | 3.36        | -13.0       | 19.97       | 264.00    | Vertical | Horizontal | N/A     |
| 7905.750        | -36.89       | 19.27       | -13.0       | 23.89       | 67.00     | Vertical | Horizontal | Pass    |
| 14798.000       | -33.61       | 24.28       | -13.0       | 20.61       | 329.00    | Vertical | Horizontal | Pass    |

## Band:WCDMA B2,Channel:Low Range

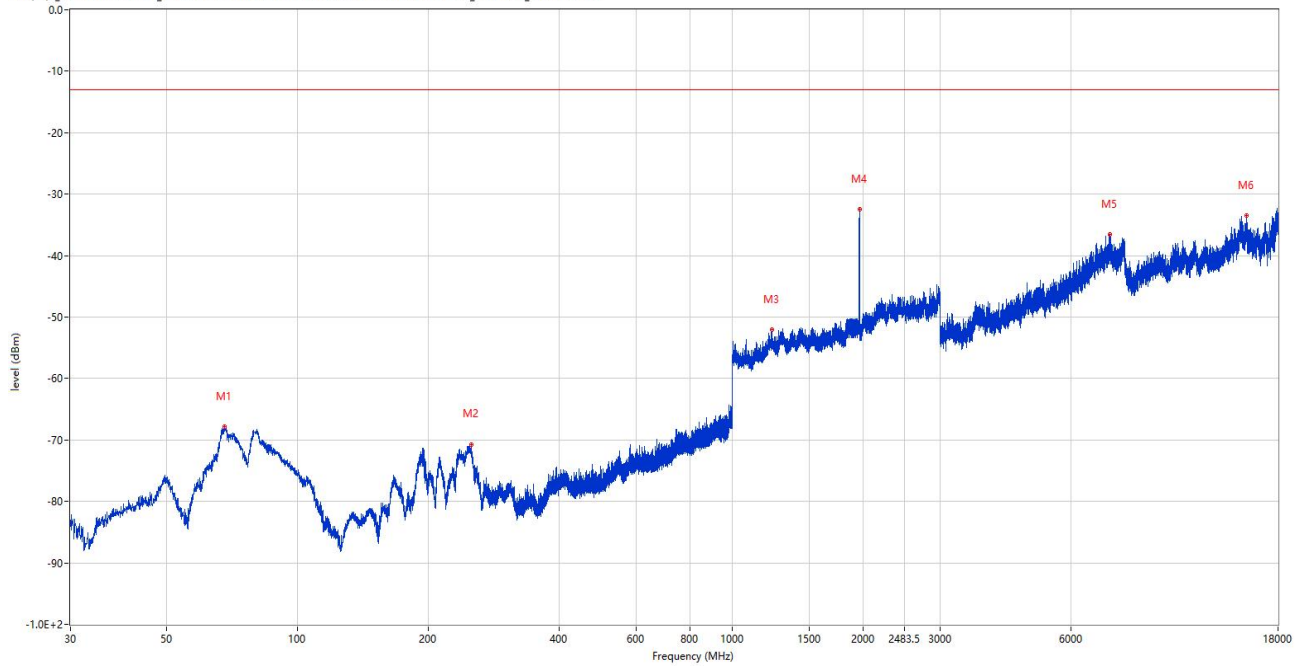
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 105.612         | -69.55       | -18.80      | -13.0       | 56.55       | 178.00    | Horizontal | Horizontal | Pass    |
| 409.222         | -69.51       | -9.44       | -13.0       | 56.51       | 267.00    | Horizontal | Horizontal | Pass    |
| 1839.400        | -43.56       | 3.31        | -13.0       | 30.56       | 217.00    | Horizontal | Horizontal | N/A     |
| 1931.900        | -34.59       | 3.40        | -13.0       | 21.59       | 333.00    | Horizontal | Horizontal | N/A     |
| 7908.750        | -36.51       | 19.33       | -13.0       | 23.51       | 12.00     | Horizontal | Horizontal | Pass    |
| 14823.800       | -32.04       | 24.42       | -13.0       | 19.04       | 233.00    | Horizontal | Horizontal | Pass    |

## Band:WCDMA B2,Channel:Mid Range

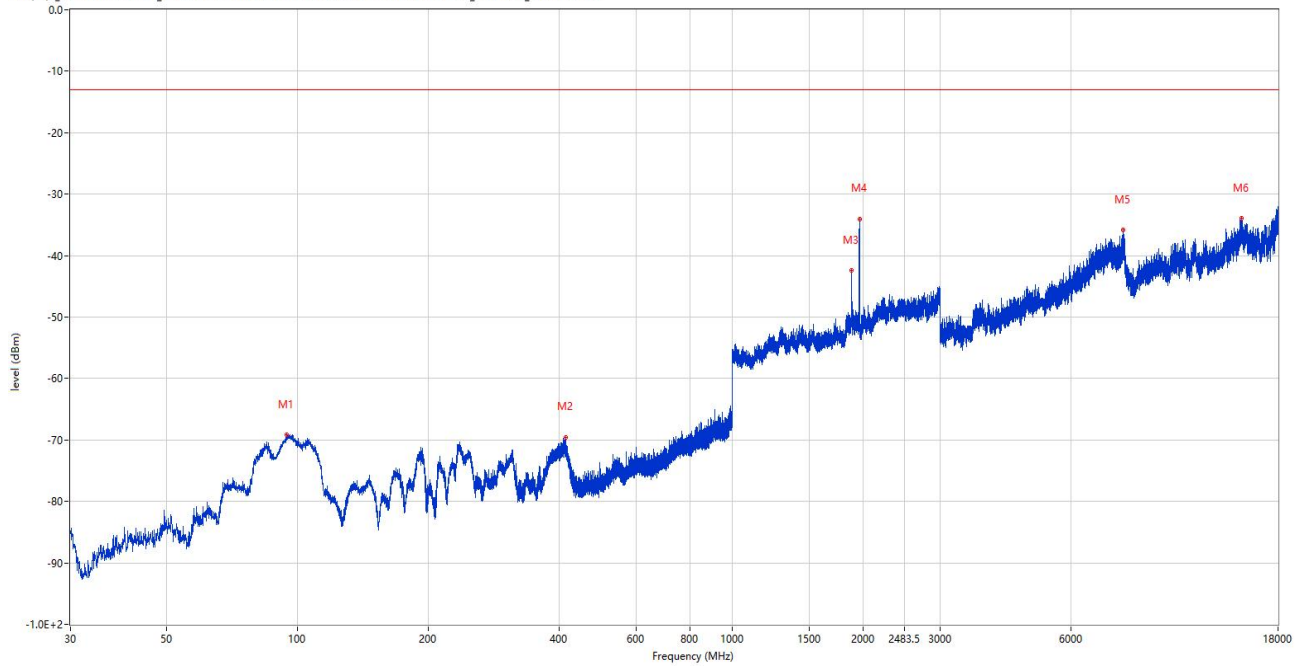
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 67.879          | -67.88       | -17.59      | -13.0       | 54.88       | 86.00     | Vertical | Horizontal | Pass    |
| 250.578         | -70.70       | -14.15      | -13.0       | 57.70       | 329.00    | Vertical | Horizontal | Pass    |
| 1234.000        | -52.12       | 0.12        | -13.0       | 39.12       | 0.00      | Vertical | Horizontal | Pass    |
| 1959.800        | -32.52       | 2.91        | -13.0       | 19.52       | 276.00    | Vertical | Horizontal | N/A     |
| 7389.750        | -36.60       | 18.47       | -13.0       | 23.60       | 137.00    | Vertical | Horizontal | Pass    |
| 15228.200       | -33.53       | 22.62       | -13.0       | 20.53       | 105.00    | Vertical | Horizontal | Pass    |

## Band:WCDMA B2,Channel:Mid Range

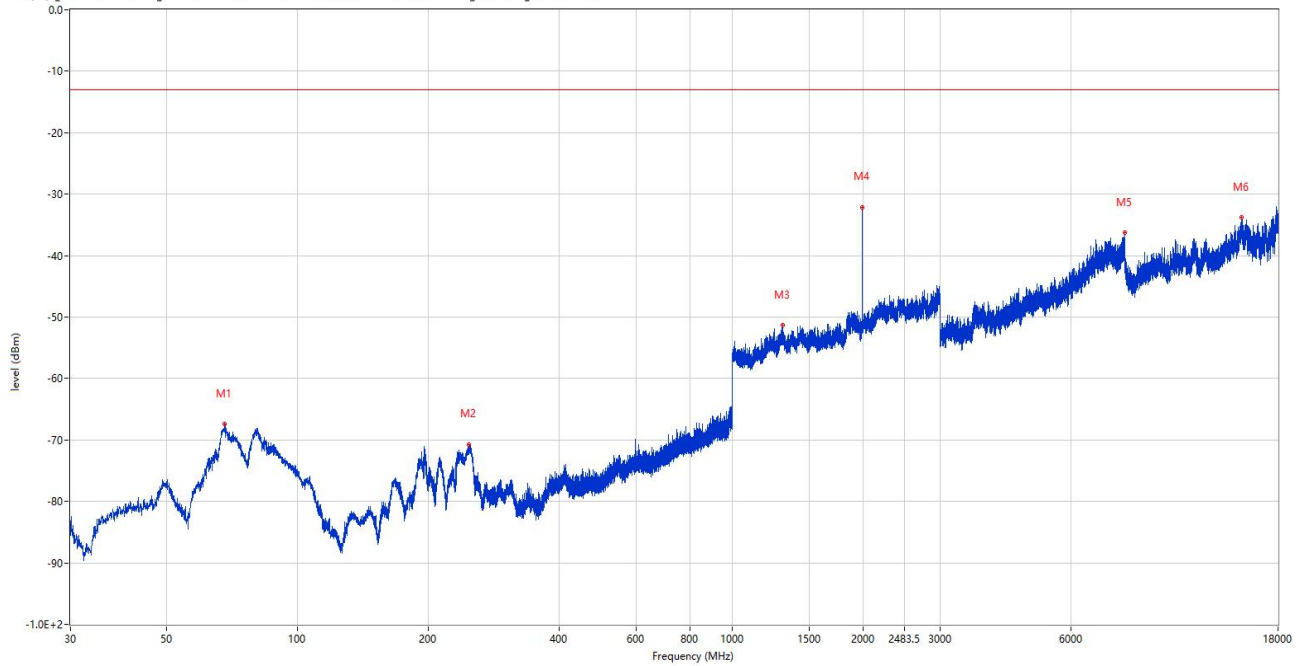
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 94.408          | -69.14       | -19.10      | -13.0       | 56.14       | 174.00    | Horizontal | Horizontal | Pass    |
| 412.714         | -69.54       | -9.43       | -13.0       | 56.54       | 270.00    | Horizontal | Horizontal | Pass    |
| 1881.900        | -42.45       | 3.42        | -13.0       | 29.45       | 197.00    | Horizontal | Horizontal | N/A     |
| 1959.800        | -34.02       | 2.91        | -13.0       | 21.02       | 251.00    | Horizontal | Horizontal | N/A     |
| 7911.250        | -35.78       | 19.34       | -13.0       | 22.78       | 1.00      | Horizontal | Horizontal | Pass    |
| 14848.400       | -33.89       | 23.53       | -13.0       | 20.89       | 232.00    | Horizontal | Horizontal | Pass    |

## Band:WCDMA B2,Channel:High Range

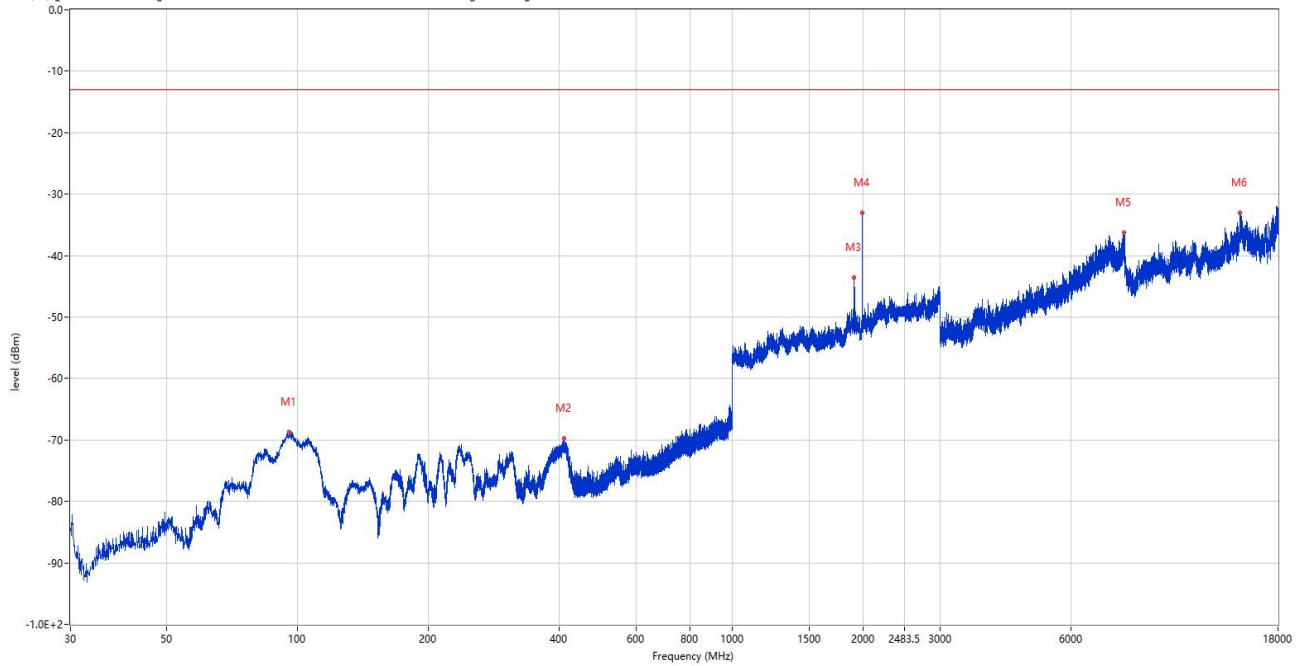
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 67.976          | -67.41       | -17.58      | -13.0       | 54.41       | 79.00     | Vertical | Horizontal | Pass    |
| 247.280         | -70.69       | -14.36      | -13.0       | 57.69       | 328.00    | Vertical | Horizontal | Pass    |
| 1302.800        | -51.35       | 0.86        | -13.0       | 38.35       | 116.00    | Vertical | Horizontal | Pass    |
| 1987.500        | -32.11       | 2.19        | -13.0       | 19.11       | 321.00    | Vertical | Horizontal | N/A     |
| 7998.250        | -36.28       | 20.15       | -13.0       | 23.28       | 344.00    | Vertical | Horizontal | Pass    |
| 14828.000       | -33.78       | 24.26       | -13.0       | 20.78       | 98.00     | Vertical | Horizontal | Pass    |

## Band:WCDMA B2,Channel:High Range

RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25\_1830-1920\_30MHz-20GHz

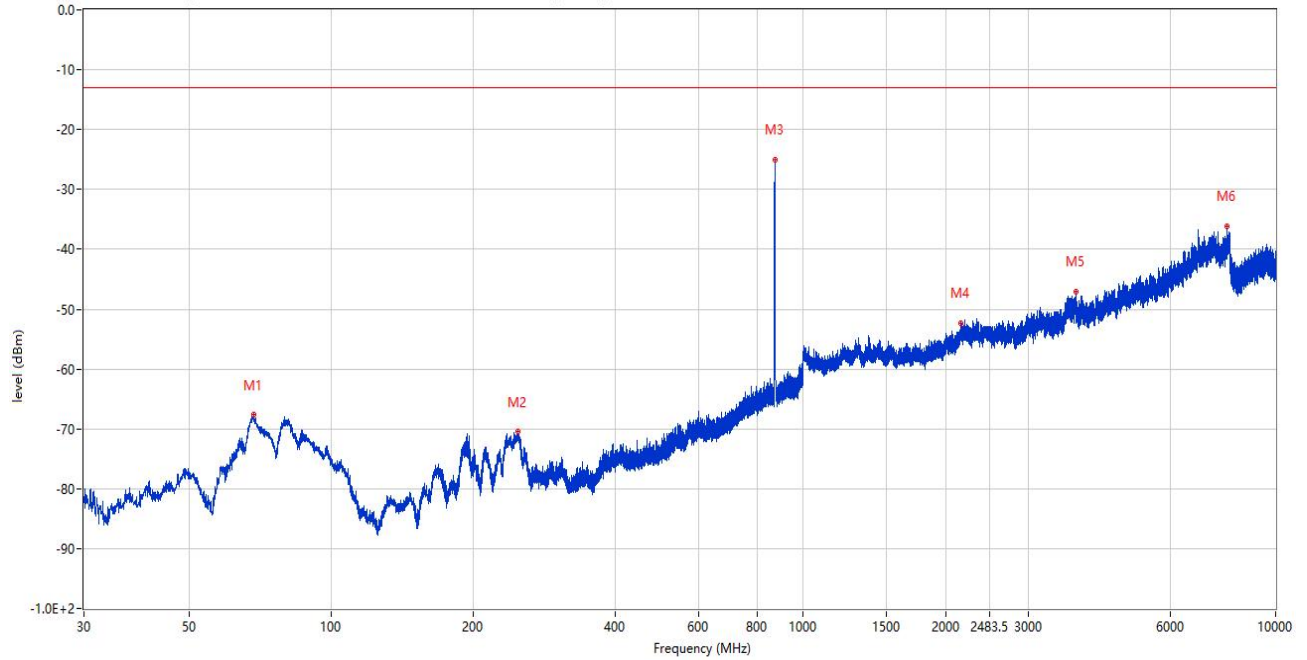


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 95.717          | -68.72       | -19.05      | -13.0       | 55.72       | 176.00    | Horizontal | Horizontal | Pass    |
| 409.998         | -69.74       | -9.41       | -13.0       | 56.74       | 267.00    | Horizontal | Horizontal | Pass    |
| 1907.800        | -43.59       | 3.52        | -13.0       | 30.59       | 197.00    | Horizontal | Horizontal | N/A     |
| 1988.500        | -33.01       | 2.21        | -13.0       | 20.01       | 33.00     | Horizontal | Horizontal | N/A     |
| 7958.000        | -36.33       | 19.77       | -13.0       | 23.33       | 126.00    | Horizontal | Horizontal | Pass    |
| 14709.200       | -33.05       | 23.47       | -13.0       | 20.05       | 172.00    | Horizontal | Horizontal | Pass    |

## 2.2 WCDMA Band 5

Band:WCDMA B5,Channel:Low Range

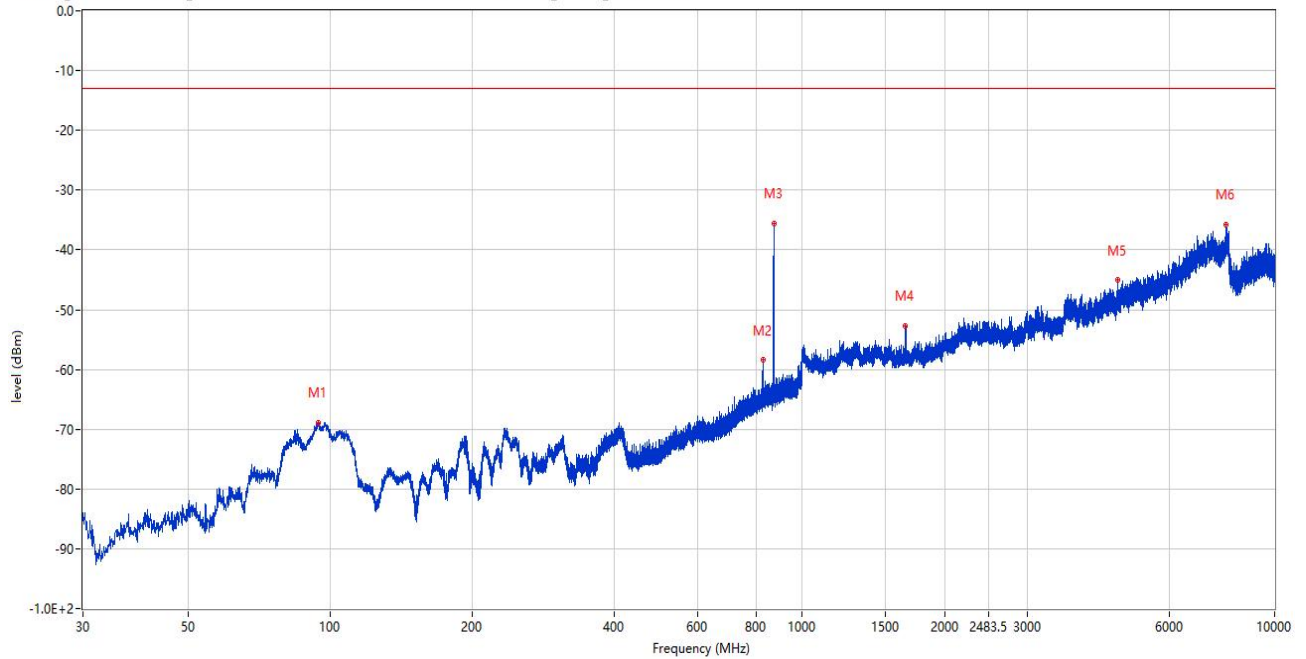
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 68.655          | -67.69       | -16.66      | -13.0       | 54.69       | 83.00     | Vertical | Horizontal | Pass    |
| 249.220         | -70.49       | -11.74      | -13.0       | 57.49       | 354.00    | Vertical | Horizontal | Pass    |
| 872.348         | -25.04       | 5.52        | -13.0       | 12.04       | 311.00    | Vertical | Horizontal | N/A     |
| 2158.600        | -52.27       | 0.20        | -13.0       | 39.27       | 77.00     | Vertical | Horizontal | Pass    |
| 3773.000        | -47.06       | 8.00        | -13.0       | 34.06       | 231.00    | Vertical | Horizontal | Pass    |
| 7883.500        | -36.14       | 18.74       | -13.0       | 23.14       | 115.00    | Vertical | Horizontal | Pass    |

## Band:WCDMA B5,Channel:Low Range

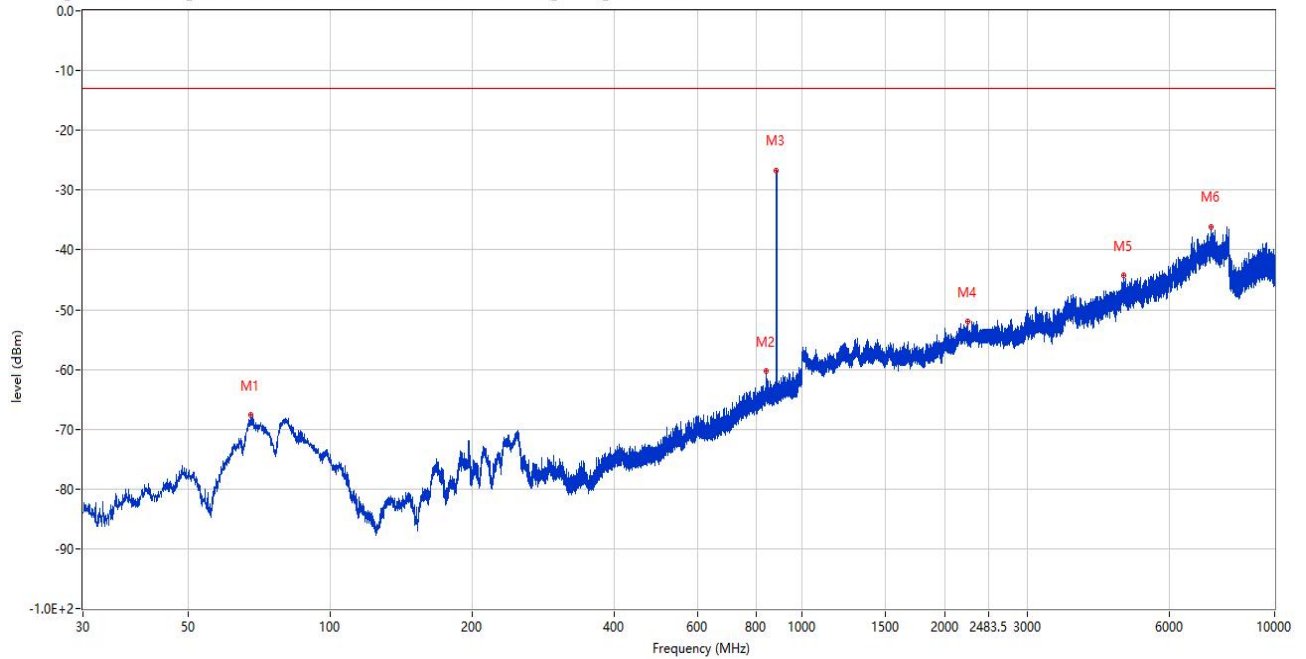
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 94.553          | -68.87       | -17.64      | -13.0       | 55.87       | 0.00      | Horizontal | Horizontal | Pass    |
| 824.624         | -58.44       | 5.39        | -13.0       | 45.44       | 43.00     | Horizontal | Horizontal | N/A     |
| 871.718         | -35.59       | 5.47        | -13.0       | 22.59       | 271.00    | Horizontal | Horizontal | N/A     |
| 1651.400        | -52.71       | -3.61       | -13.0       | 39.71       | 47.00     | Horizontal | Horizontal | Pass    |
| 4643.250        | -45.10       | 9.32        | -13.0       | 32.10       | 259.00    | Horizontal | Horizontal | Pass    |
| 7901.500        | -35.79       | 19.19       | -13.0       | 22.79       | 125.00    | Horizontal | Horizontal | Pass    |

## Band:WCDMA B5,Channel:Mid Range

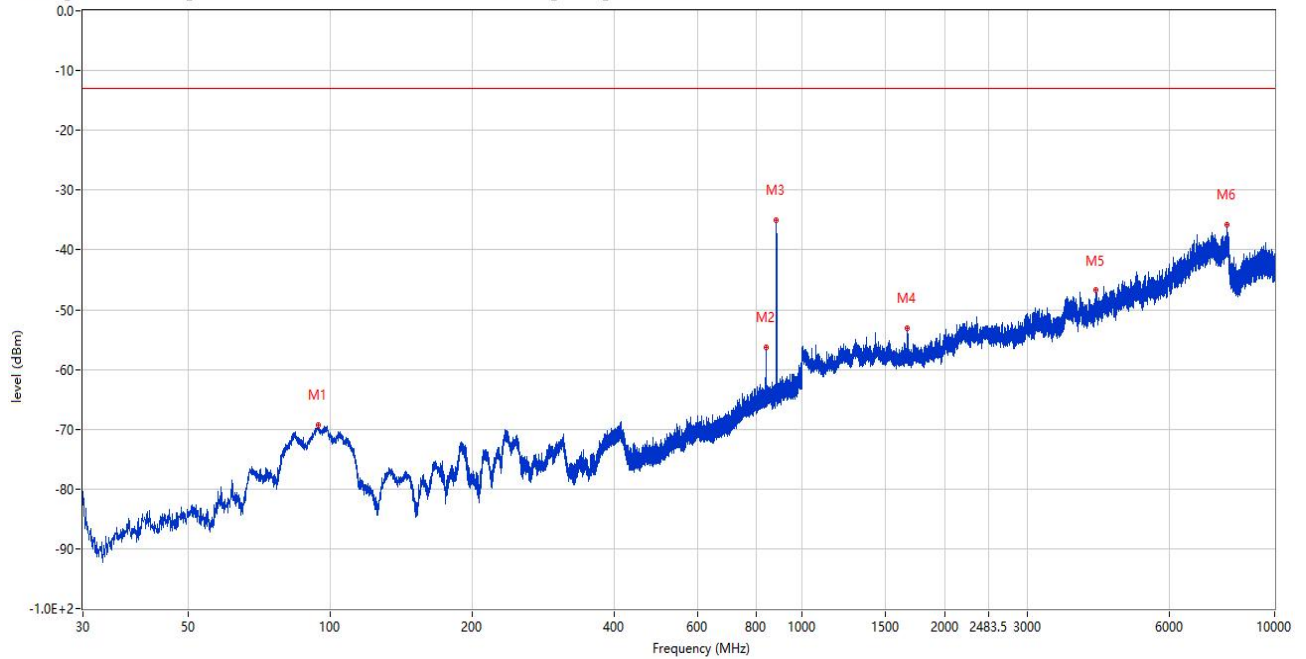
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 68.121          | -67.66       | -16.50      | -13.0       | 54.66       | 90.00     | Vertical | Horizontal | Pass    |
| 837.428         | -60.34       | 5.73        | -13.0       | 47.34       | 220.00    | Vertical | Horizontal | N/A     |
| 881.127         | -26.72       | 5.78        | -13.0       | 13.72       | 325.00    | Vertical | Horizontal | N/A     |
| 2239.000        | -51.95       | 0.26        | -13.0       | 38.95       | 232.00    | Vertical | Horizontal | Pass    |
| 4786.250        | -44.33       | 10.68       | -13.0       | 31.33       | 132.00    | Vertical | Horizontal | Pass    |
| 7347.750        | -36.16       | 17.78       | -13.0       | 23.16       | 299.00    | Vertical | Horizontal | Pass    |

## Band:WCDMA B5,Channel:Mid Range

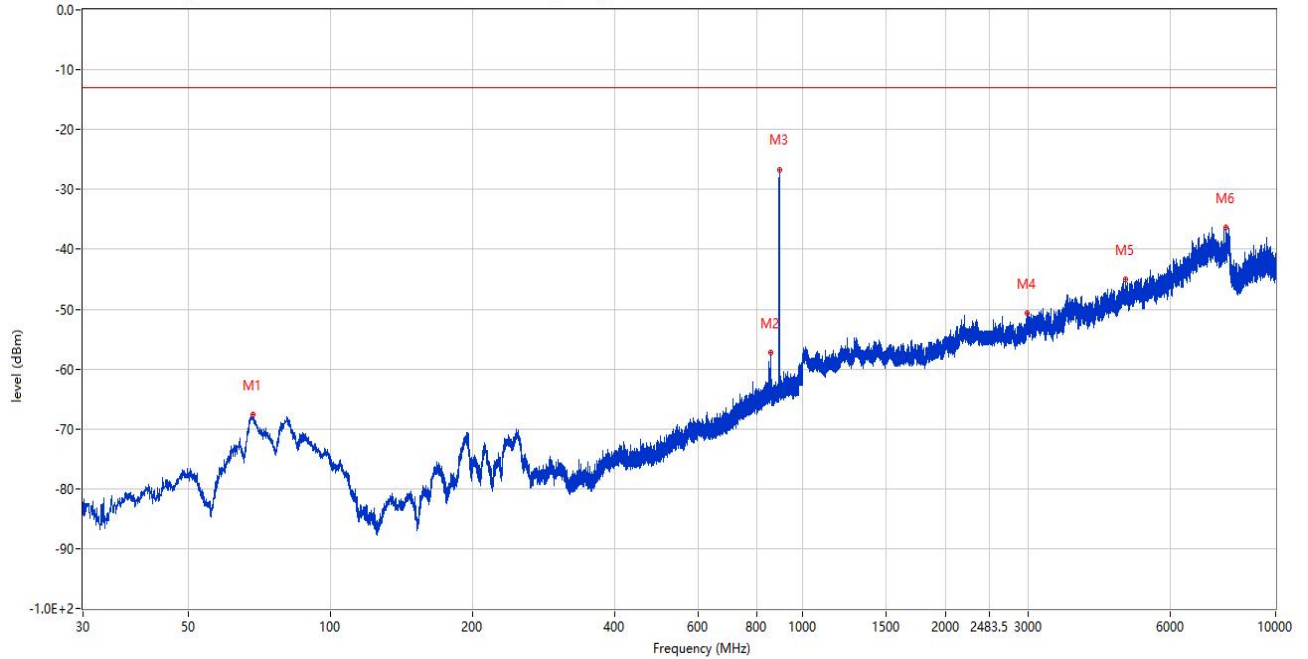
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 94.456          | -69.35       | -17.65      | -13.0       | 56.35       | 173.00    | Horizontal | Horizontal | Pass    |
| 837.525         | -56.23       | 5.74        | -13.0       | 43.23       | 48.00     | Horizontal | Horizontal | N/A     |
| 879.817         | -34.94       | 5.84        | -13.0       | 21.94       | 268.00    | Horizontal | Horizontal | N/A     |
| 1671.500        | -53.04       | -3.64       | -13.0       | 40.04       | 43.00     | Horizontal | Horizontal | Pass    |
| 4189.500        | -46.74       | 8.80        | -13.0       | 33.74       | 128.00    | Horizontal | Horizontal | Pass    |
| 7911.750        | -35.73       | 19.33       | -13.0       | 22.73       | 171.00    | Horizontal | Horizontal | Pass    |

## Band:WCDMA B5,Channel:High Range

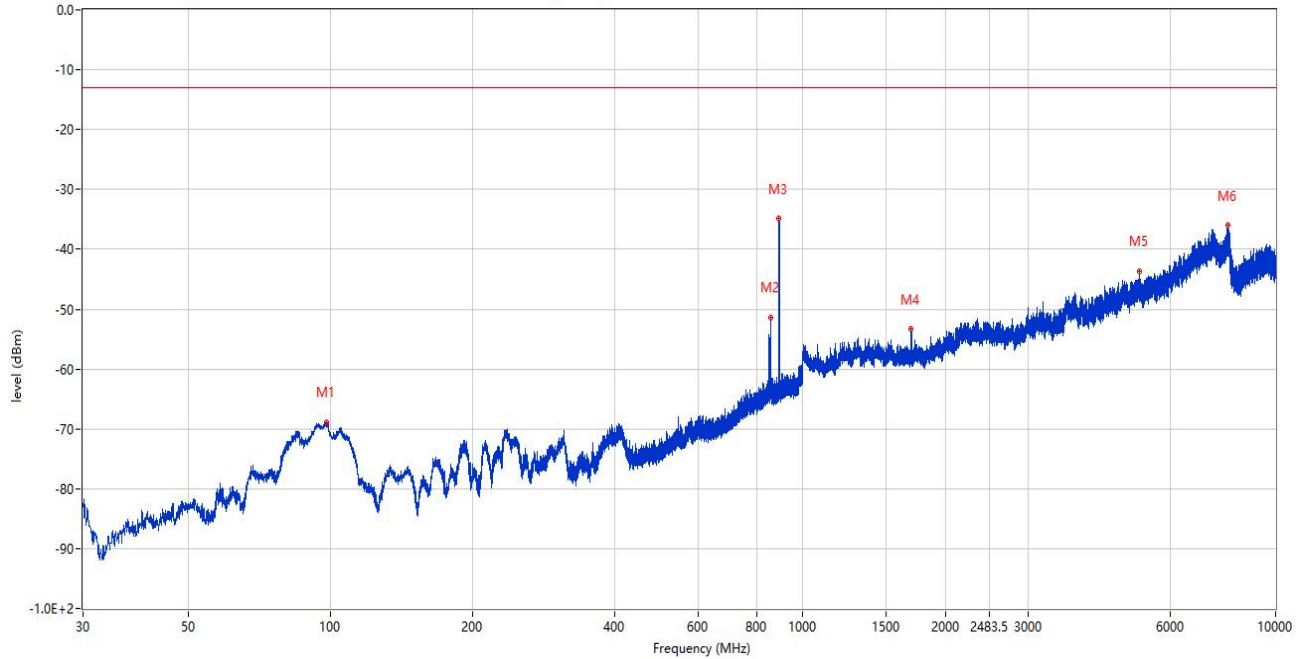
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 68.703          | -67.69       | -16.67      | -13.0       | 54.69       | 100.00    | Vertical | Horizontal | Pass    |
| 854.063         | -57.31       | 5.80        | -13.0       | 44.31       | 212.00    | Vertical | Horizontal | N/A     |
| 892.766         | -26.75       | 6.33        | -13.0       | 13.75       | 220.00    | Vertical | Horizontal | N/A     |
| 2983.900        | -50.73       | 4.28        | -13.0       | 37.73       | 266.00    | Vertical | Horizontal | Pass    |
| 4814.000        | -45.02       | 10.76       | -13.0       | 32.02       | 274.00    | Vertical | Horizontal | Pass    |
| 7868.500        | -36.36       | 18.37       | -13.0       | 23.36       | 262.00    | Vertical | Horizontal | Pass    |

## Band:WCDMA B5,Channel:High Range

RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



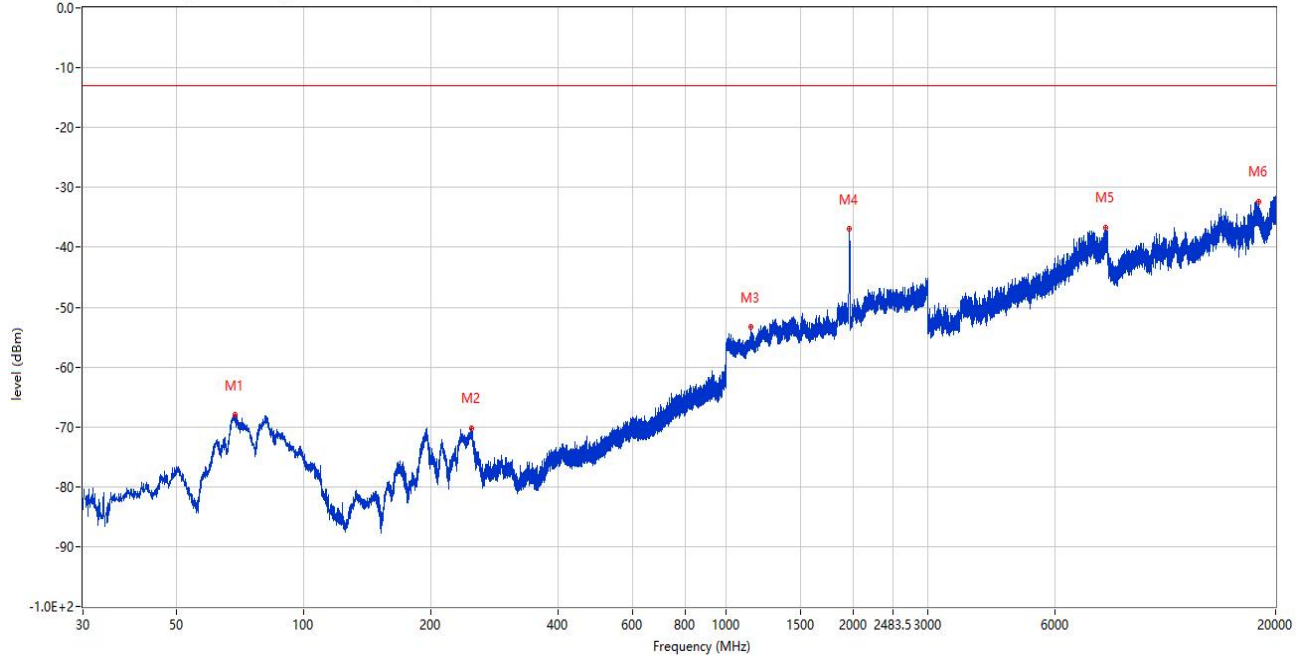
| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 97.997          | -68.91       | -17.13      | -13.0       | 55.91       | 0.00      | Horizontal | Horizontal | Pass    |
| 854.451         | -51.45       | 5.80        | -13.0       | 38.45       | 36.00     | Horizontal | Horizontal | N/A     |
| 890.390         | -34.89       | 6.21        | -13.0       | 21.89       | 275.00    | Horizontal | Horizontal | N/A     |
| 1692.700        | -53.34       | -4.04       | -13.0       | 40.34       | 48.00     | Horizontal | Horizontal | Pass    |
| 5151.500        | -43.65       | 11.03       | -13.0       | 30.65       | 310.00    | Horizontal | Horizontal | Pass    |
| 7919.000        | -36.06       | 19.27       | -13.0       | 23.06       | 110.00    | Horizontal | Horizontal | Pass    |

### 3. LTE

#### 3.1 LTE Band 2

Band:LTE B2,Channel:18900,BW20

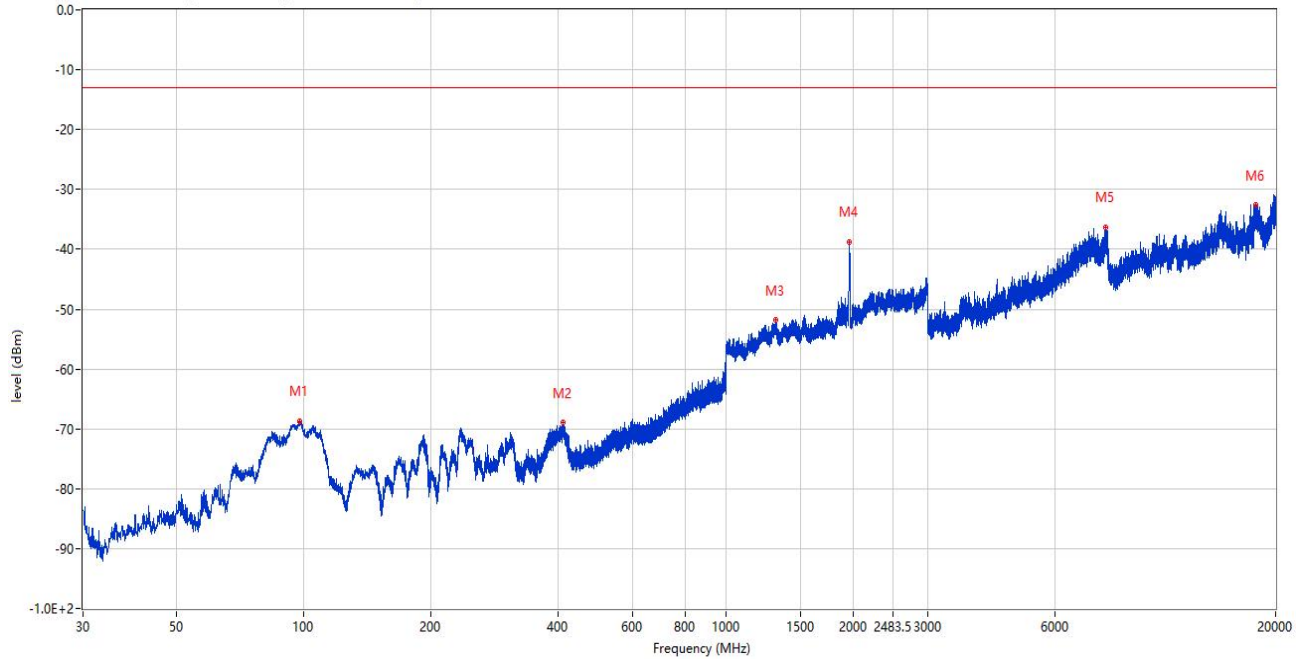
RSE (RF) \_FCC PART22&24&27\_LTE Band 2 & 5 \_1830-1920 & 824-849\_30MHz-18GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 68.655          | -68.02       | -16.82      | -13.0       | 55.02       | 101.00    | Vertical | Horizontal | Pass    |
| 249.365         | -70.17       | -12.12      | -13.0       | 57.17       | 323.00    | Vertical | Horizontal | Pass    |
| 1143.000        | -53.38       | -1.45       | -13.0       | 40.38       | 360.00    | Vertical | Horizontal | Pass    |
| 1958.100        | -36.99       | 2.87        | -13.0       | 23.99       | 279.00    | Vertical | Horizontal | N/A     |
| 7901.250        | -36.73       | 19.19       | -13.0       | 23.73       | 5.00      | Vertical | Horizontal | Pass    |
| 18279.199       | -32.38       | 25.27       | -13.0       | 19.38       | 360.00    | Vertical | Horizontal | Pass    |

Band:LTE B2,Channel:18900,BW20

RSE (RF) \_FCC PART22&24&27\_LTE Band 2 & 5 \_1830-1920 & 824-849\_30MHz-18GHz

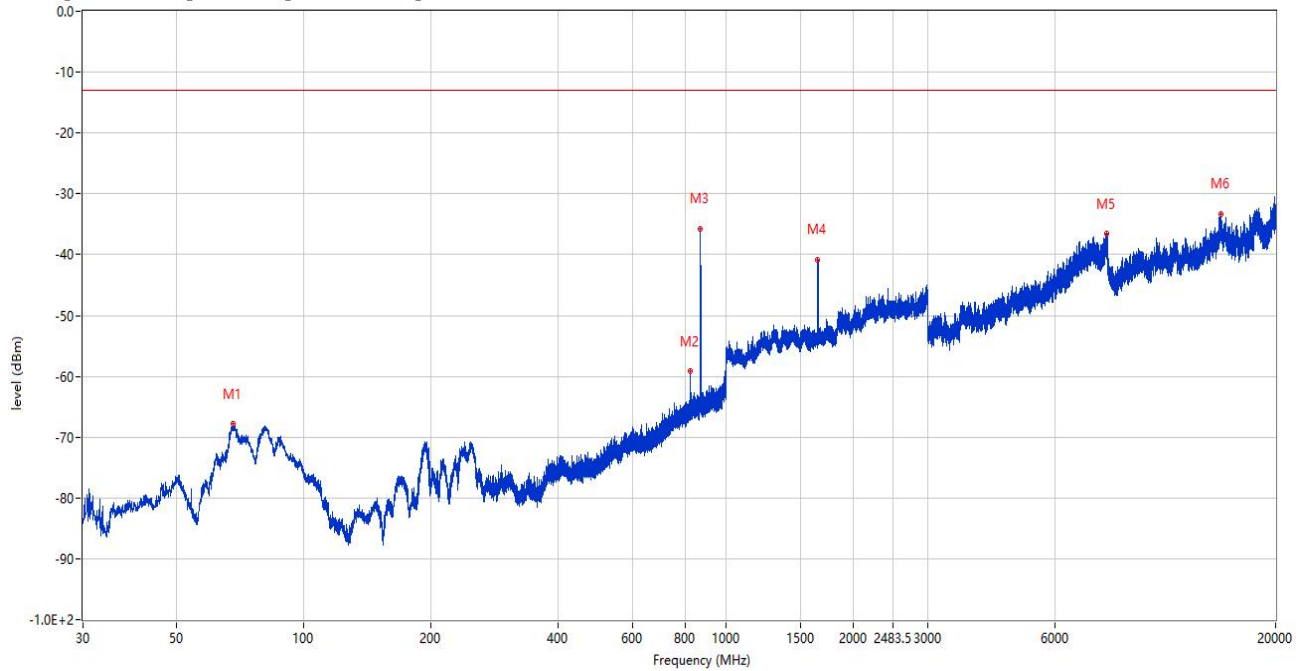


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 97.706          | -68.70       | -17.43      | -13.0       | 55.70       | 171.00    | Horizontal | Horizontal | Pass    |
| 411.453         | -68.99       | -6.57       | -13.0       | 55.99       | 235.00    | Horizontal | Horizontal | Pass    |
| 1308.500        | -51.82       | 0.88        | -13.0       | 38.82       | 67.00     | Horizontal | Horizontal | Pass    |
| 1953.500        | -38.75       | 2.74        | -13.0       | 25.75       | 345.00    | Horizontal | Horizontal | N/A     |
| 7908.750        | -36.33       | 19.33       | -13.0       | 23.33       | 301.00    | Horizontal | Horizontal | Pass    |
| 17901.801       | -32.67       | 24.27       | -13.0       | 19.67       | 224.00    | Horizontal | Horizontal | Pass    |

### 3.2 LTE Band 5

Band:LTE B5,Channel:20407,BW1.4

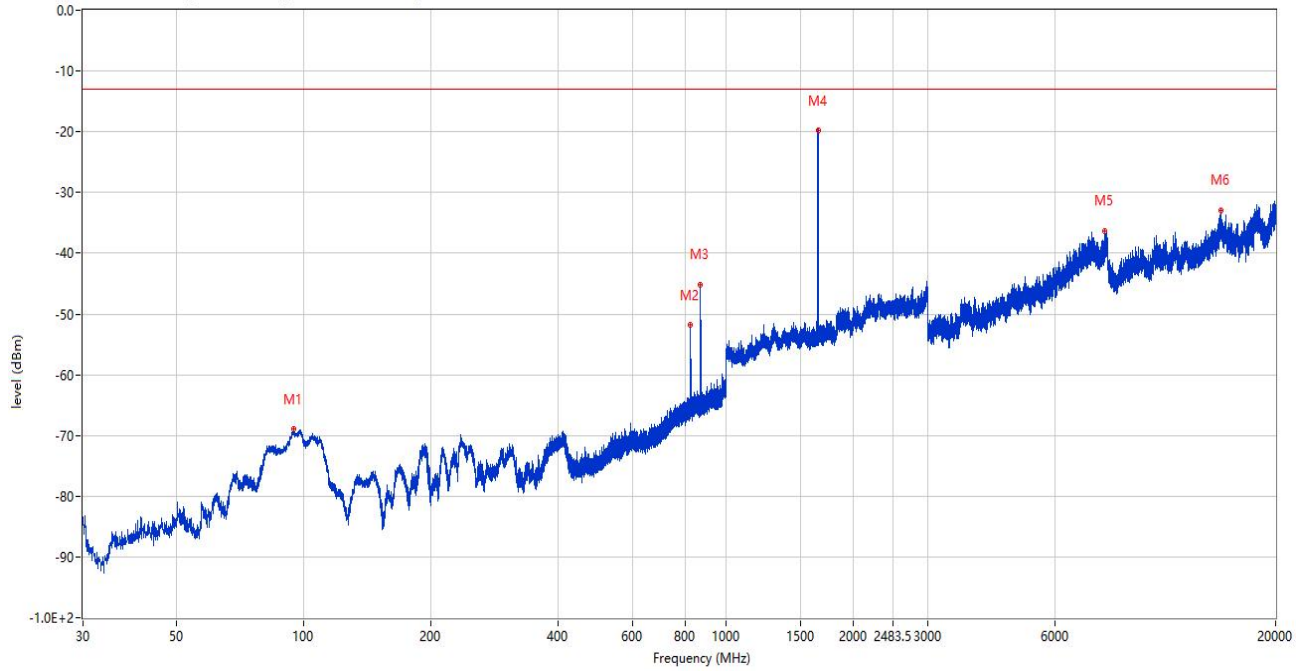
RSE (RF) \_FCC PART22&24&27\_LTE Band 2 & 5 \_1830-1920 & 824-849\_30MHz-18GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 67.976          | -67.86       | -16.62      | -13.0       | 54.86       | 90.00     | Vertical | Horizontal | Pass    |
| 824.188         | -59.10       | 4.69        | -13.0       | 46.10       | 214.00    | Vertical | Horizontal | N/A     |
| 869.632         | -35.77       | 4.63        | -13.0       | 22.77       | 221.00    | Vertical | Horizontal | N/A     |
| 1649.300        | -40.85       | 0.41        | -13.0       | 27.85       | 180.00    | Vertical | Horizontal | Pass    |
| 7968.750        | -36.55       | 19.79       | -13.0       | 23.55       | 176.00    | Vertical | Horizontal | Pass    |
| 14812.401       | -33.32       | 24.47       | -13.0       | 20.32       | 78.00     | Vertical | Horizontal | Pass    |

Band:LTE B5,Channel:20407,BW1.4

RSE (RF) \_FCC PART228&24&27\_LTE Band 2 & 5 \_1830-1920 & 824-849\_30MHz-18GHz

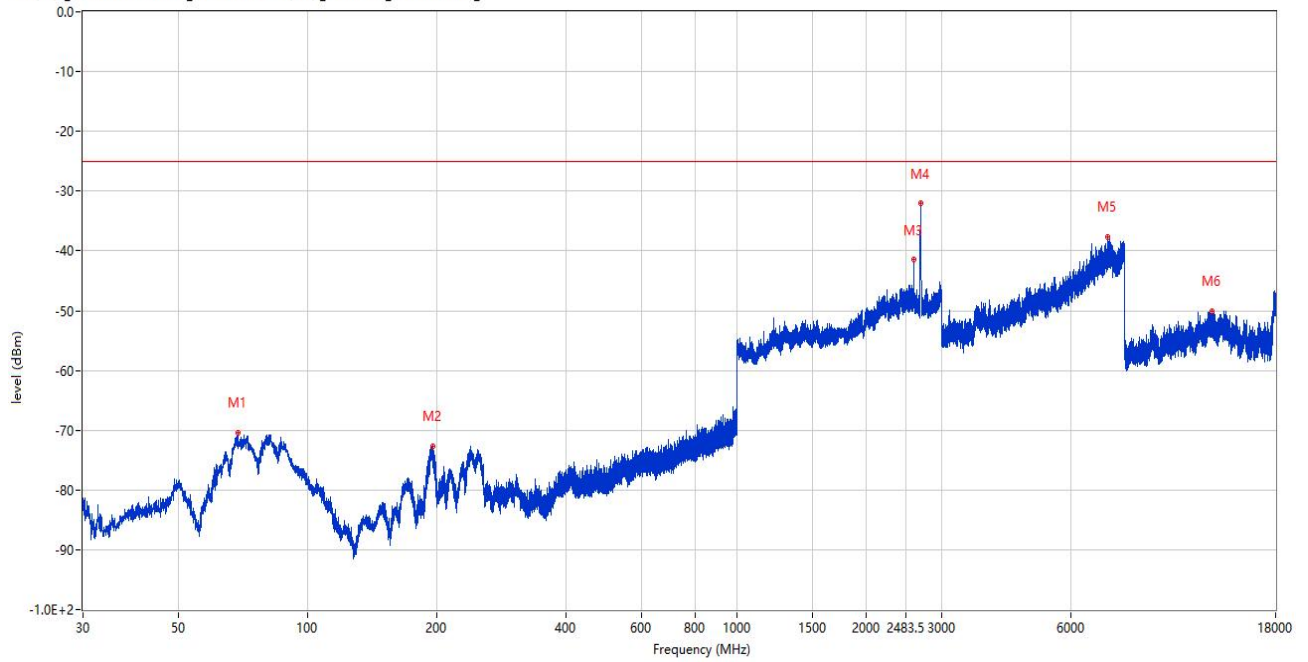


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 94.456          | -68.99       | -17.87      | -13.0       | 55.99       | 2.00      | Horizontal | Horizontal | Pass    |
| 824.284         | -51.83       | 4.70        | -13.0       | 38.83       | 34.00     | Horizontal | Horizontal | N/A     |
| 869.583         | -45.28       | 4.63        | -13.0       | 32.28       | 260.00    | Horizontal | Horizontal | N/A     |
| 1649.600        | -19.75       | 0.41        | -13.0       | 6.75        | 4.00      | Horizontal | Horizontal | Pass    |
| 7892.000        | -36.26       | 18.98       | -13.0       | 23.26       | 198.00    | Horizontal | Horizontal | Pass    |
| 14826.800       | -32.91       | 24.31       | -13.0       | 19.91       | 315.00    | Horizontal | Horizontal | Pass    |

### 3.3 LTE Band 7

Band:LTE B7,Channel:21375,BW15

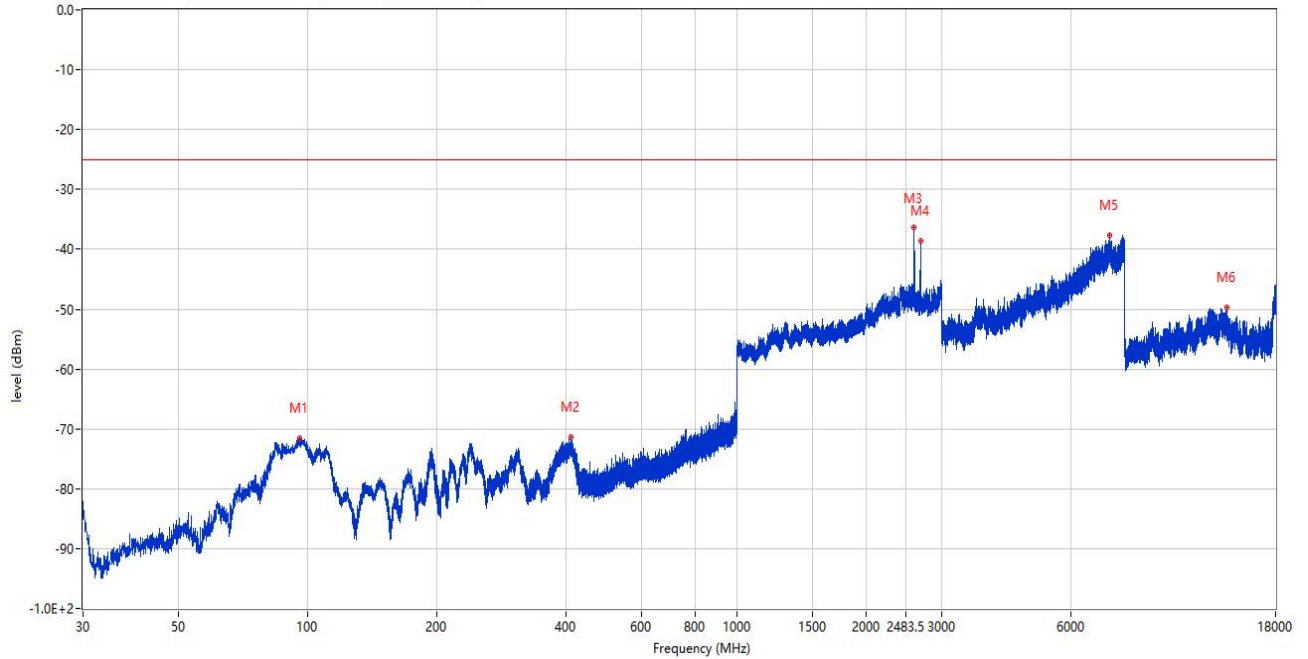
RSE (RF) \_FCC PART22&24&27\_LTE Band 7 & 41(low) \_2496-2570\_30MHz-27GHz\_



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 68.897          | -70.41       | -17.86      | -25.0       | 45.41       | 85.00     | Vertical | Horizontal | Pass    |
| 195.482         | -72.62       | -16.89      | -25.0       | 47.62       | 0.00      | Vertical | Horizontal | Pass    |
| 2583.500        | -41.46       | 7.40        | -25.0       | 16.46       | 175.00    | Vertical | Horizontal | N/A     |
| 2681.700        | -31.95       | 6.82        | -25.0       | 6.95        | 295.00    | Vertical | Horizontal | N/A     |
| 7324.000        | -37.62       | 17.70       | -25.0       | 12.62       | 141.00    | Vertical | Horizontal | Pass    |
| 12806.500       | -50.03       | 8.88        | -25.0       | 25.03       | 131.00    | Vertical | Horizontal | Pass    |

Band:LTE B7,Channel:21375,BW15

RSE (RF) \_FCC PART22&24&27\_LTE Band 7 & 41(low) \_2496-2570\_30MHz-27GHz\_

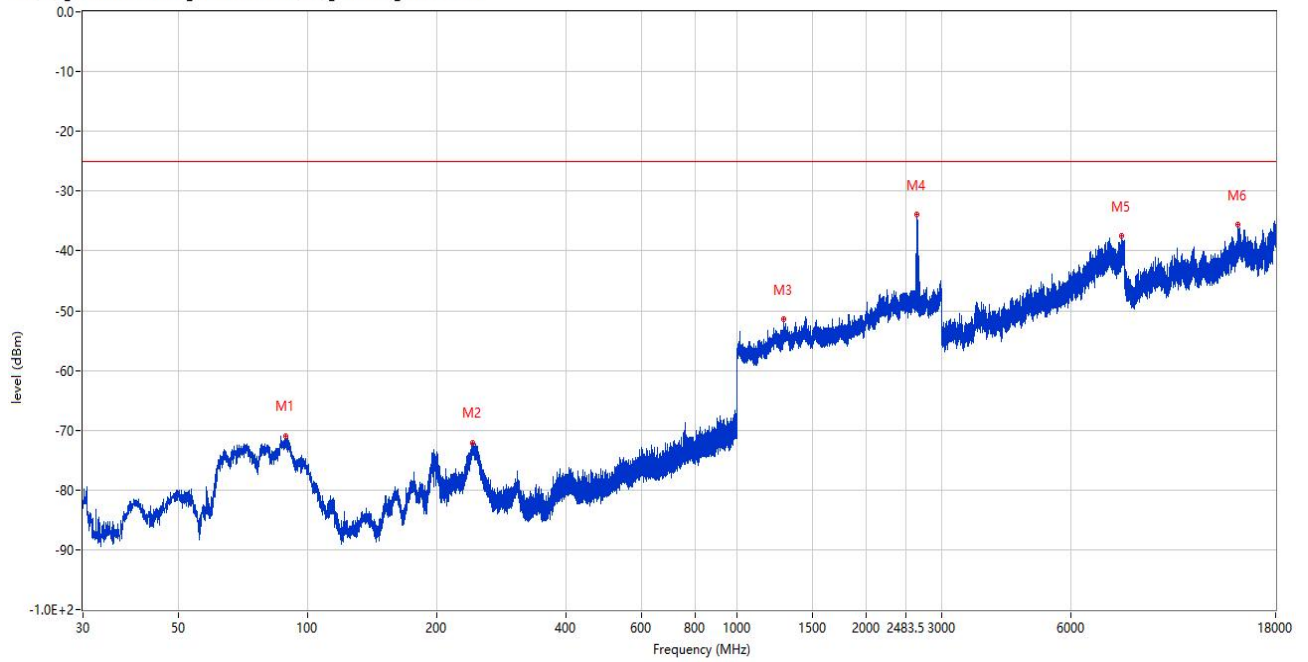


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 96.057          | -71.51       | -19.03      | -25.0       | 46.51       | 167.00    | Horizontal | Horizontal | Pass    |
| 412.034         | -71.37       | -9.42       | -25.0       | 46.37       | 258.00    | Horizontal | Horizontal | Pass    |
| 2583.300        | -36.28       | 7.41        | -25.0       | 11.28       | 135.00    | Horizontal | Horizontal | N/A     |
| 2682.900        | -38.56       | 6.85        | -25.0       | 13.56       | 324.00    | Horizontal | Horizontal | N/A     |
| 7395.500        | -37.62       | 18.72       | -25.0       | 12.62       | 91.00     | Horizontal | Horizontal | Pass    |
| 13839.000       | -49.67       | 9.95        | -25.0       | 24.67       | 294.00    | Horizontal | Horizontal | Pass    |

### 3.4 LTE Band 38

Band:LTE B38,Channel:38200,BW10

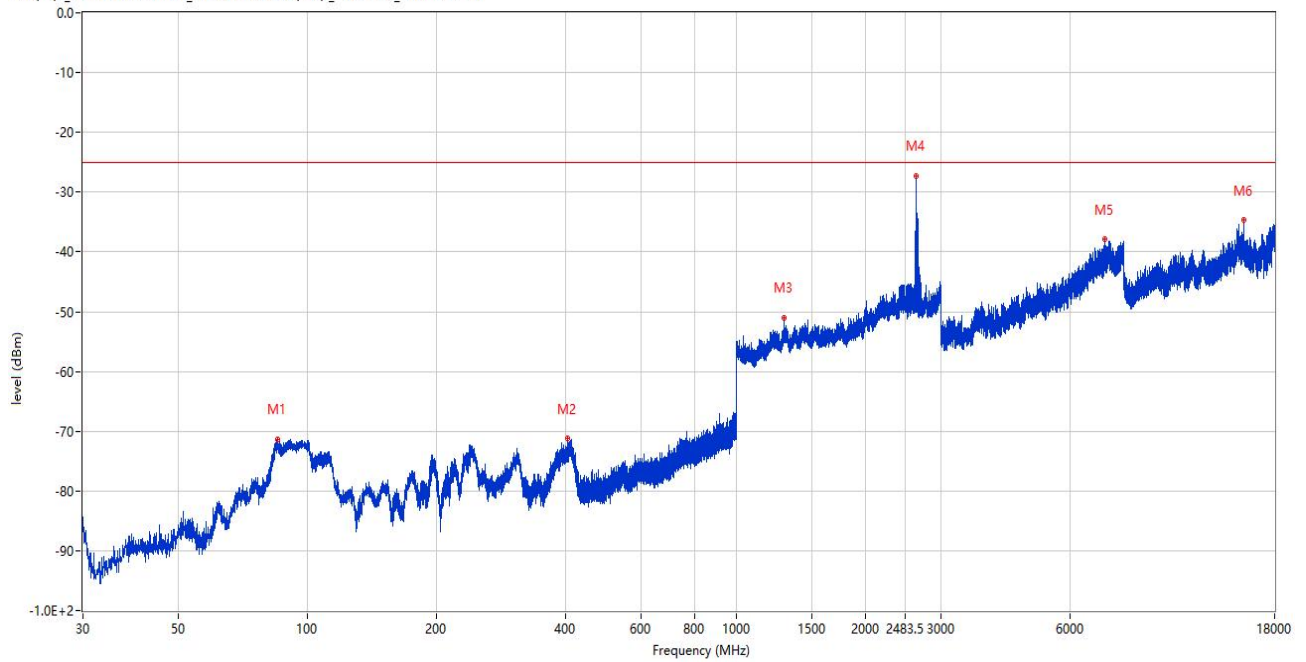
RSE (RF) \_FCC PART22&24&27\_LTE Band 38 & 41(mid) \_2570-2620\_30MHz-27GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 89.024          | -71.02       | -19.69      | -25.0       | 46.02       | 357.00    | Vertical | Horizontal | Pass    |
| 242.721         | -72.10       | -14.56      | -25.0       | 47.10       | 335.00    | Vertical | Horizontal | Pass    |
| 1288.400        | -51.44       | 0.64        | -25.0       | 26.44       | 177.00    | Vertical | Horizontal | Pass    |
| 2629.200        | -33.95       | 7.87        | -25.0       | 8.95        | 141.00    | Vertical | Horizontal | N/A     |
| 7898.750        | -37.52       | 19.14       | -25.0       | 12.52       | 116.00    | Vertical | Horizontal | Pass    |
| 14716.500       | -35.64       | 23.51       | -25.0       | 10.64       | 344.00    | Vertical | Horizontal | Pass    |

Band:LTE B38,Channel:38200,BW10

RSE (RF) \_FCC PART228&24&27\_LTE Band 38 & 41(mid) \_2570-2620\_30MHz-27GHz

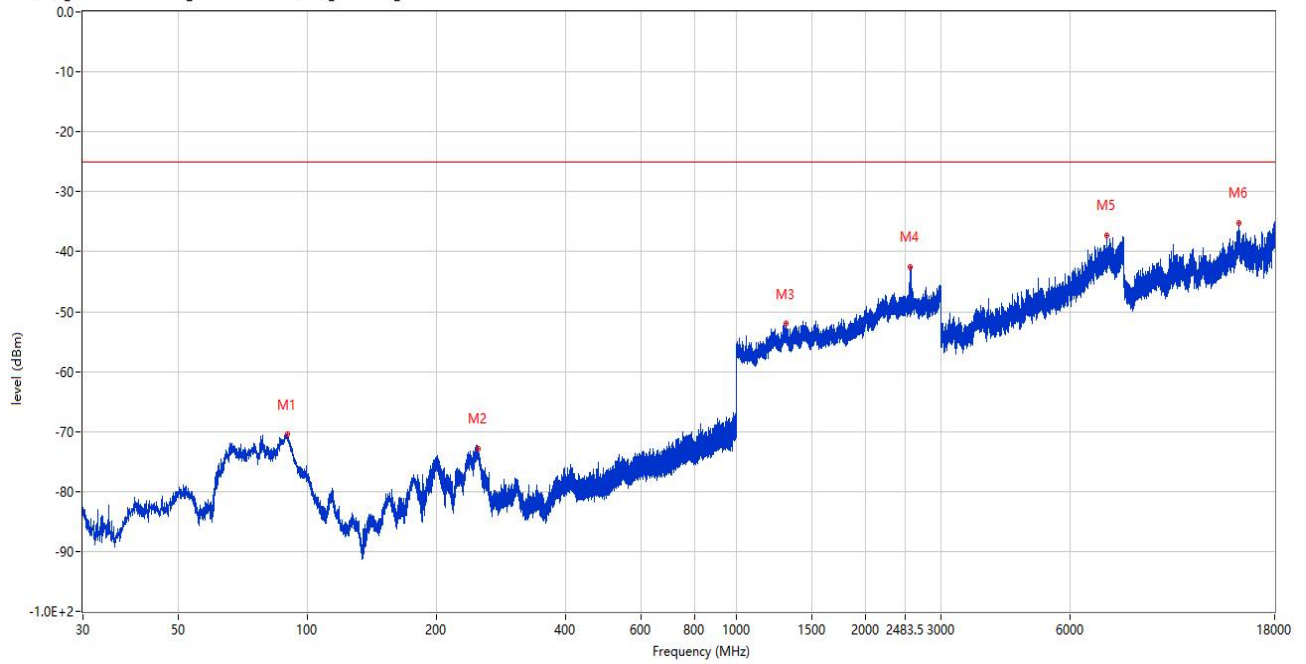


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 85.387          | -71.38       | -19.59      | -25.0       | 46.38       | 344.00    | Horizontal | Horizontal | Pass    |
| 404.323         | -71.22       | -9.60       | -25.0       | 46.22       | 281.00    | Horizontal | Horizontal | Pass    |
| 1290.500        | -51.04       | 0.77        | -25.0       | 26.04       | 117.00    | Horizontal | Horizontal | Pass    |
| 2633.600        | -27.26       | 7.61        | -25.0       | 2.26        | 150.00    | Horizontal | Horizontal | N/A     |
| 7233.500        | -37.90       | 18.33       | -25.0       | 12.90       | 353.00    | Horizontal | Horizontal | Pass    |
| 15267.500       | -34.70       | 22.58       | -25.0       | 9.70        | 30.00     | Horizontal | Horizontal | Pass    |

### 3.5 LTE Band 41

Band:LTE B41,Channel:40620,BW15

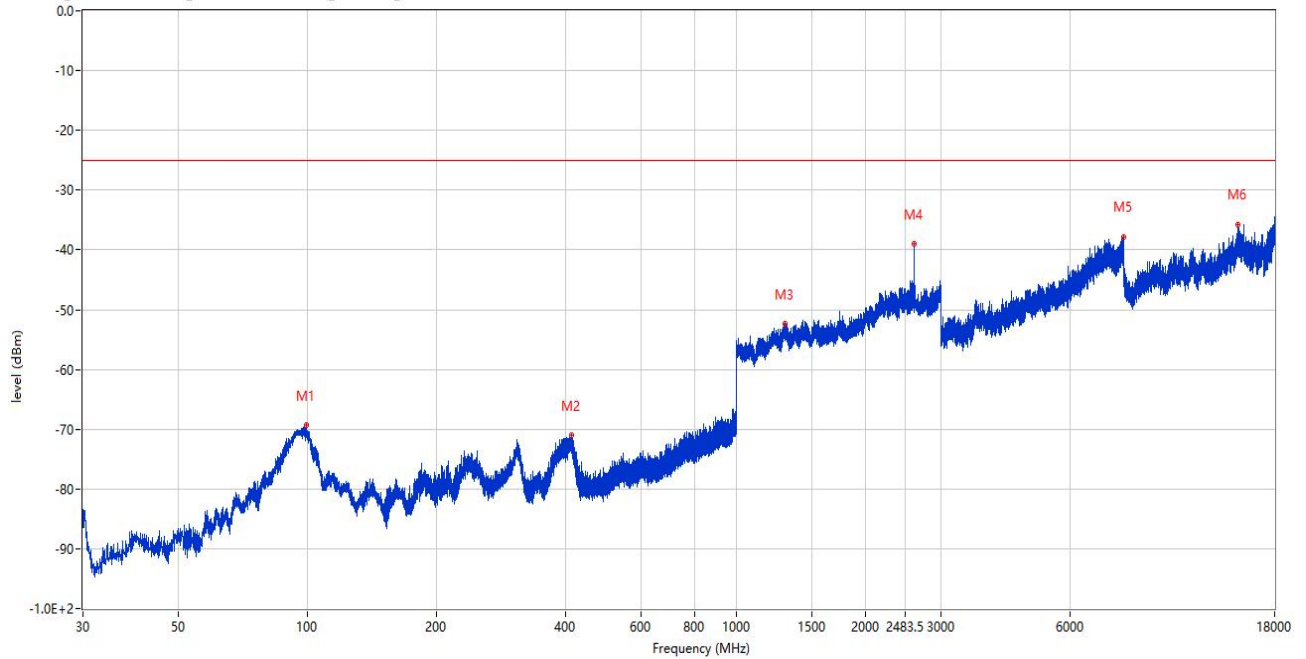
RSE (RF) \_FCC PART22&24&27\_LTE Band 38 & 41(mid) \_2570-2620\_30MHz-27GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 89.897          | -70.51       | -19.54      | -25.0       | 45.51       | 39.00     | Vertical | Horizontal | Pass    |
| 250.820         | -72.89       | -14.14      | -25.0       | 47.89       | 343.00    | Vertical | Horizontal | Pass    |
| 1306.000        | -52.03       | 0.86        | -25.0       | 27.03       | 78.00     | Vertical | Horizontal | Pass    |
| 2548.400        | -42.63       | 6.71        | -25.0       | 17.63       | 178.00    | Vertical | Horizontal | N/A     |
| 7327.500        | -37.27       | 17.64       | -25.0       | 12.27       | 316.00    | Vertical | Horizontal | Pass    |
| 14834.500       | -35.18       | 24.03       | -25.0       | 10.18       | 164.00    | Vertical | Horizontal | Pass    |

Band:LTE B41,Channel:40620,BW15

RSE (RF) \_FCC PART228&24&27\_LTE Band 38 & 41(mid) \_2570-2620\_30MHz-27GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 99.307          | -69.39       | -18.78      | -25.0       | 44.39       | 172.00    | Horizontal | Horizontal | Pass    |
| 412.665         | -71.02       | -9.43       | -25.0       | 46.02       | 270.00    | Horizontal | Horizontal | Pass    |
| 1302.500        | -52.31       | 0.83        | -25.0       | 27.31       | 9.00      | Horizontal | Horizontal | Pass    |
| 2593.700        | -38.96       | 7.79        | -25.0       | 13.96       | 182.00    | Horizontal | Horizontal | N/A     |
| 7993.750        | -37.84       | 20.02       | -25.0       | 12.84       | 272.00    | Horizontal | Horizontal | Pass    |
| 14811.000       | -35.75       | 24.45       | -25.0       | 10.75       | 321.00    | Horizontal | Horizontal | Pass    |