

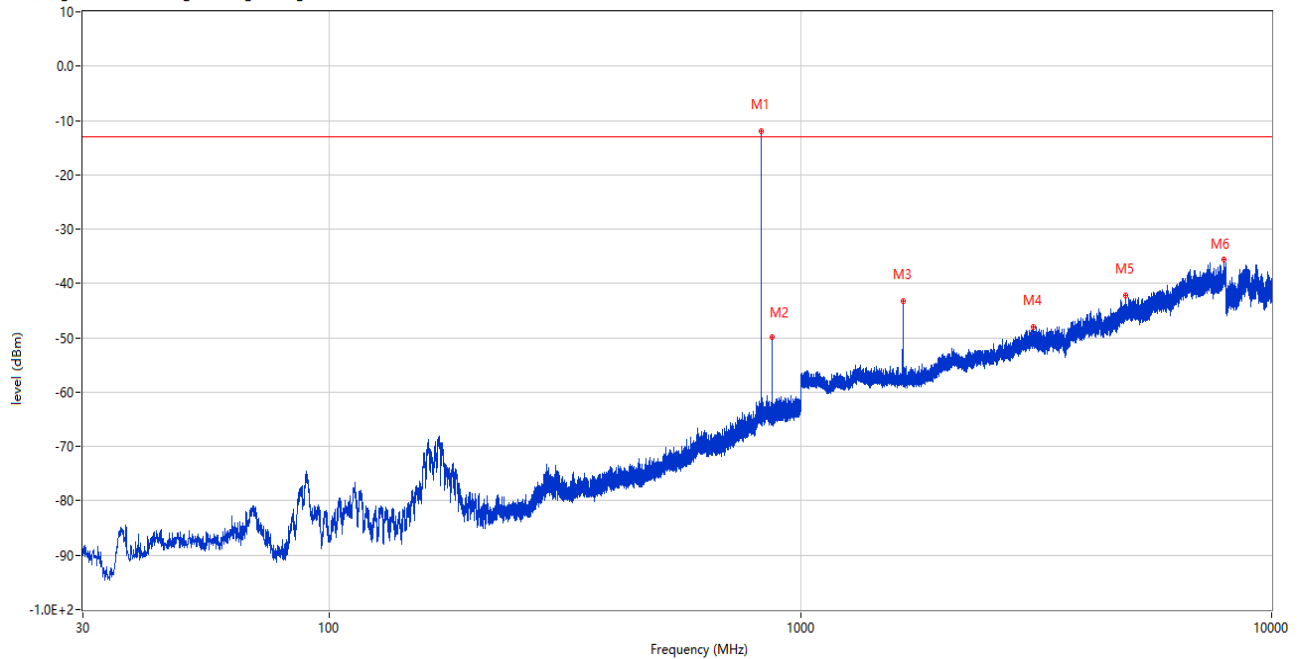
## **A.7 Field Strength of Spurious Radiation**

## 1. GSM

### 1.1 GSM 850

Band:GSM850 Channel:LOW range

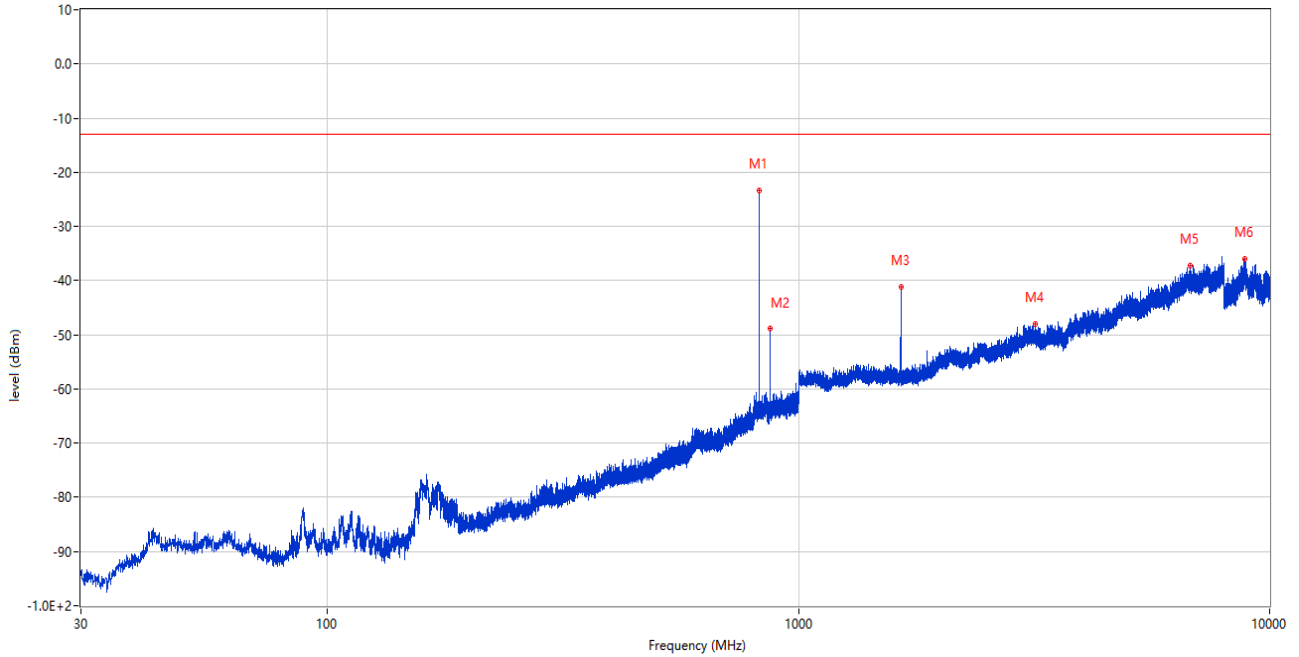
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 824.188         | -12.03       | 6.91        | -13.0       | -0.97       | 274.00    | Horizontal | Horizontal | N/A     |
| 869.196         | -49.90       | 6.35        | -13.0       | 36.90       | 360.00    | Horizontal | Horizontal | N/A     |
| 1649.200        | -43.23       | -3.69       | -13.0       | 30.23       | 360.00    | Horizontal | Horizontal | Pass    |
| 3124.500        | -47.91       | 6.77        | -13.0       | 34.91       | 150.00    | Horizontal | Horizontal | Pass    |
| 4903.750        | -42.15       | 12.52       | -13.0       | 29.15       | 166.00    | Horizontal | Horizontal | Pass    |
| 7935.750        | -35.59       | 18.86       | -13.0       | 22.59       | 360.00    | Horizontal | Horizontal | Pass    |

## Band:GSM850 Channel:LOW range

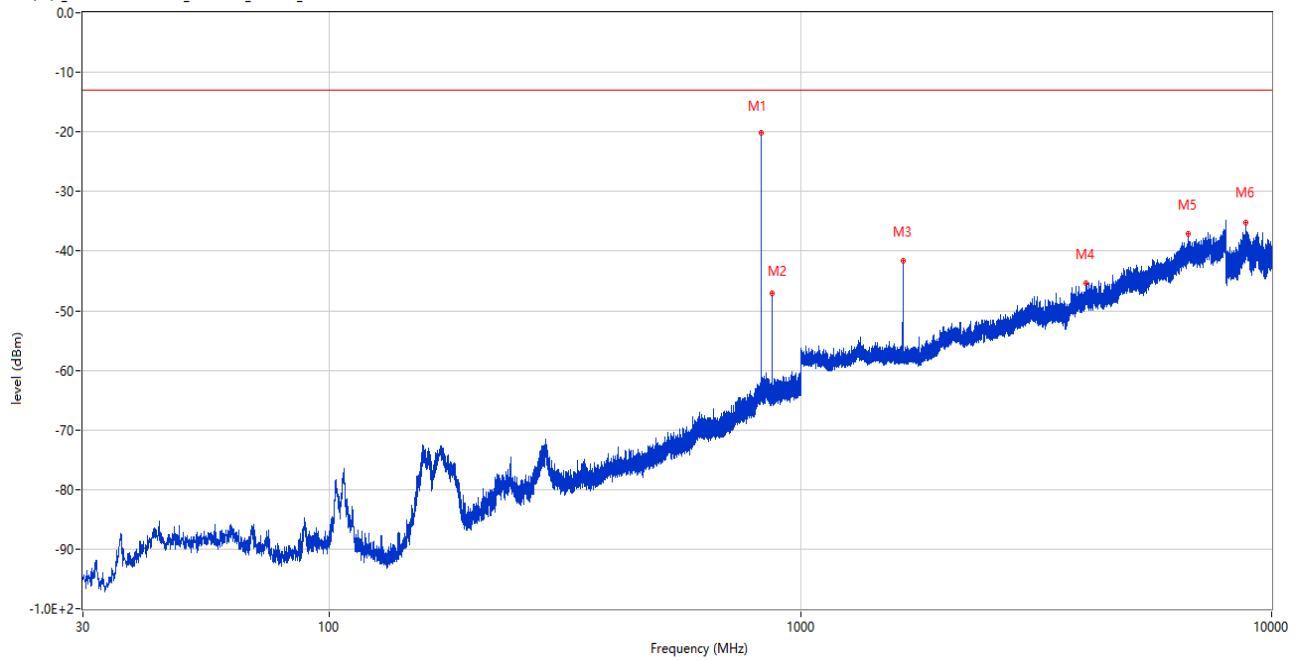
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 824.188         | -23.40       | 6.91        | -13.0       | 10.40       | 230.00    | Horizontal | Vertical | N/A     |
| 869.147         | -48.77       | 6.35        | -13.0       | 35.77       | 360.00    | Horizontal | Vertical | N/A     |
| 1649.300        | -41.22       | -3.69       | -13.0       | 28.22       | 49.00     | Horizontal | Vertical | Pass    |
| 3177.250        | -48.09       | 7.37        | -13.0       | 35.09       | 319.00    | Horizontal | Vertical | Pass    |
| 6791.250        | -37.22       | 16.47       | -13.0       | 24.22       | 183.00    | Horizontal | Vertical | Pass    |
| 8856.901        | -35.97       | 20.28       | -13.0       | 22.97       | 276.00    | Horizontal | Vertical | Pass    |

# Band:GSM850 Channel:LOW range

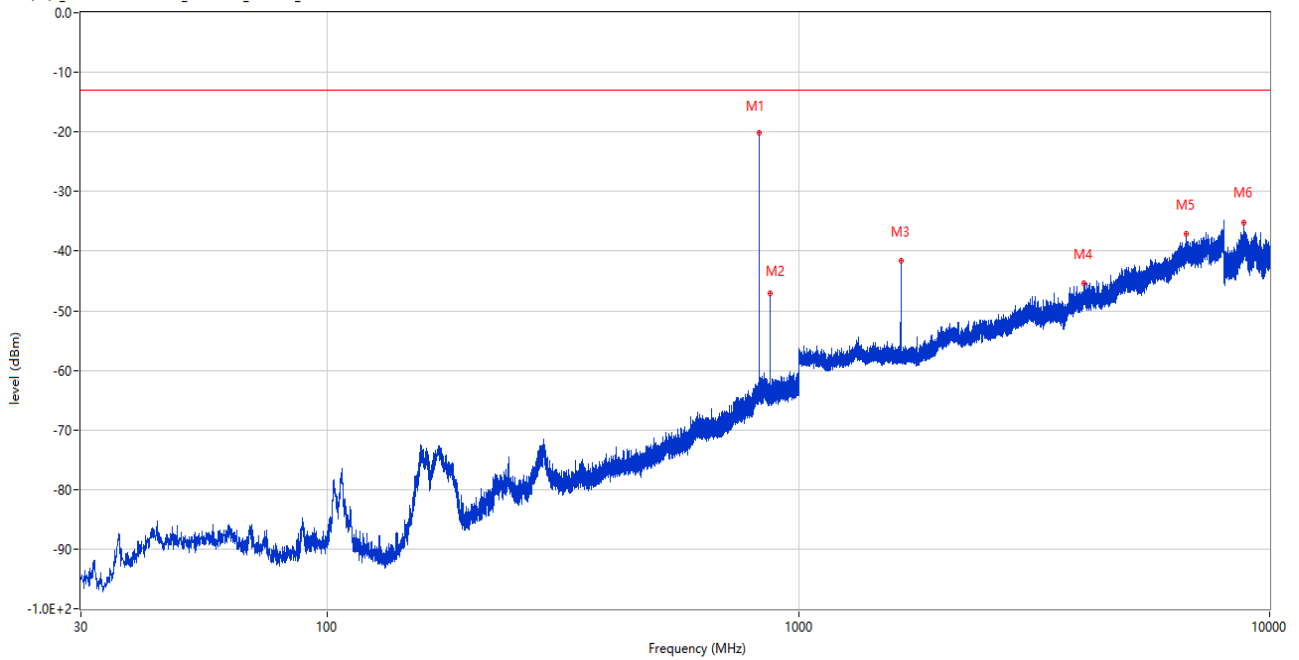
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 824.188         | -20.22       | 6.91        | -13.0       | 7.22        | 165.00    | Vertical | Vertical | N/A     |
| 869.292         | -47.12       | 6.37        | -13.0       | 34.12       | 231.00    | Vertical | Vertical | N/A     |
| 1649.400        | -41.67       | -3.69       | -13.0       | 28.67       | 68.00     | Vertical | Vertical | Pass    |
| 4038.000        | -45.47       | 9.89        | -13.0       | 32.47       | 13.00     | Vertical | Vertical | Pass    |
| 6666.250        | -37.19       | 16.49       | -13.0       | 24.19       | 13.00     | Vertical | Vertical | Pass    |
| 8810.500        | -35.20       | 19.71       | -13.0       | 22.20       | 322.00    | Vertical | Vertical | Pass    |

## Band:GSM850 Channel:LOW range

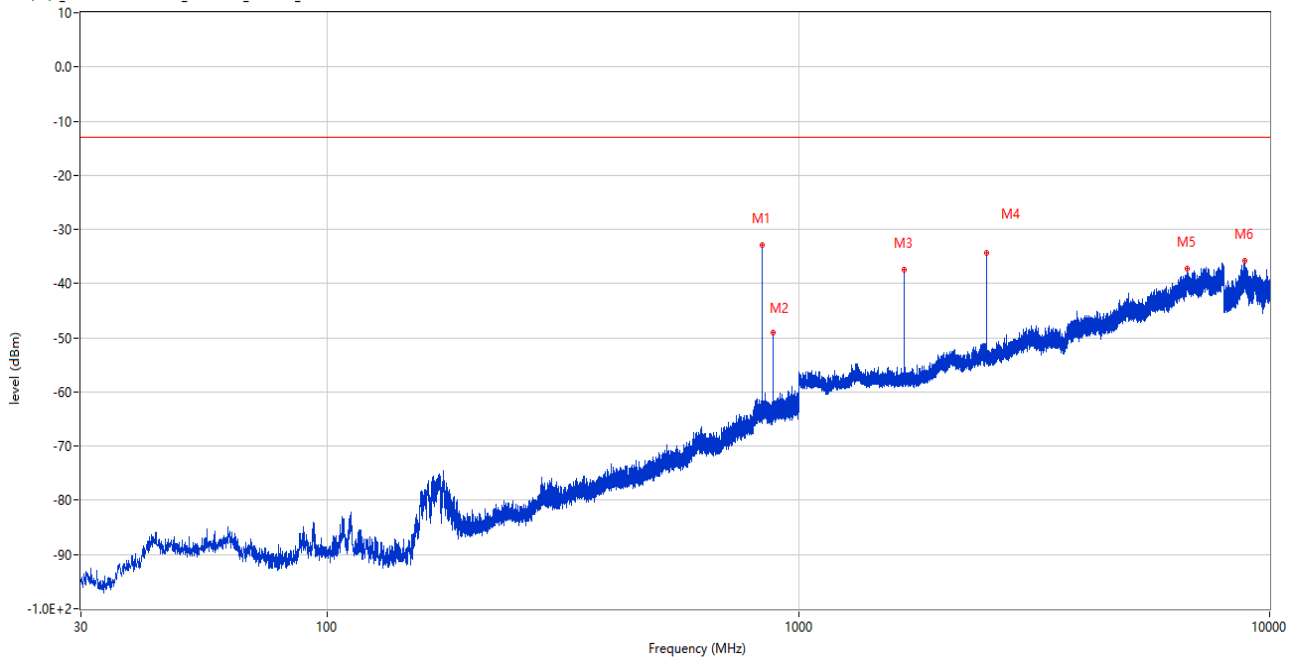
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 824.188         | -20.22       | 6.91        | -13.0       | 7.22        | 165.00    | Vertical | Vertical | N/A     |
| 869.292         | -47.12       | 6.37        | -13.0       | 34.12       | 231.00    | Vertical | Vertical | N/A     |
| 1649.400        | -41.67       | -3.69       | -13.0       | 28.67       | 68.00     | Vertical | Vertical | Pass    |
| 4038.000        | -45.47       | 9.89        | -13.0       | 32.47       | 13.00     | Vertical | Vertical | Pass    |
| 6666.250        | -37.19       | 16.49       | -13.0       | 24.19       | 13.00     | Vertical | Vertical | Pass    |
| 8810.500        | -35.20       | 19.71       | -13.0       | 22.20       | 322.00    | Vertical | Vertical | Pass    |

## Band:GSM850 Channel:MID range

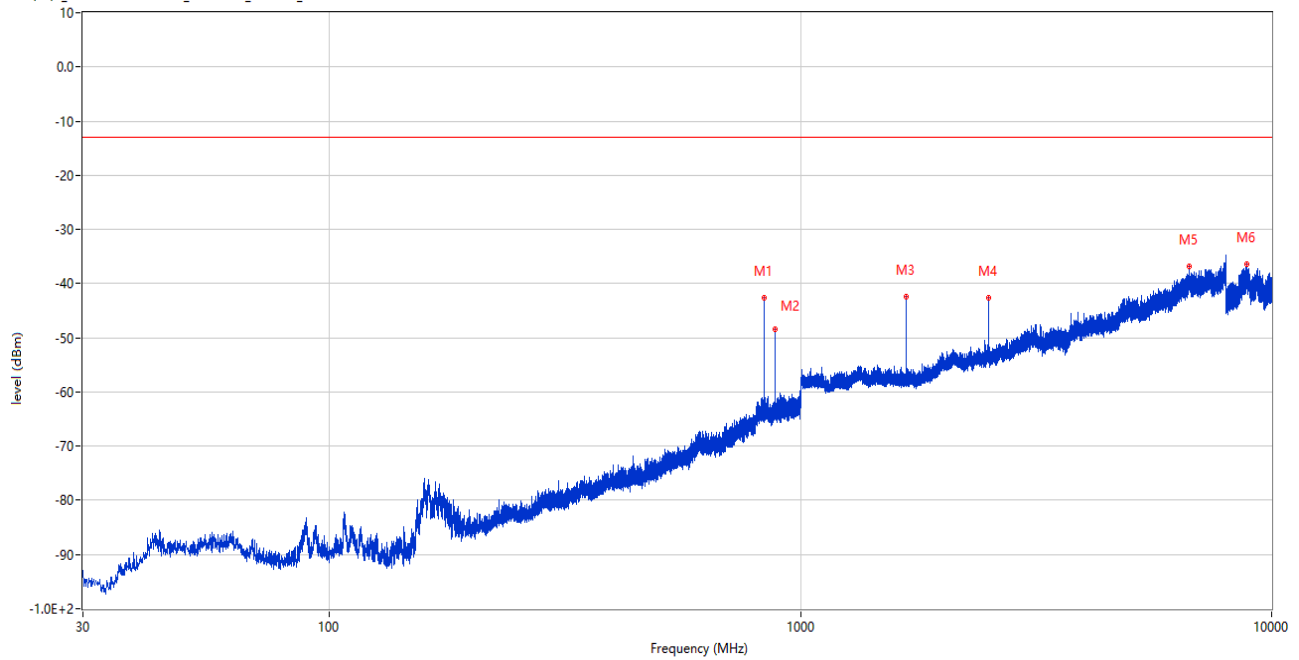
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 836.555         | -32.98       | 7.13        | -13.0       | 19.98       | 255.00    | Horizontal | Horizontal | N/A     |
| 881.660         | -49.07       | 6.75        | -13.0       | 36.07       | 360.00    | Horizontal | Horizontal | N/A     |
| 1673.900        | -37.46       | -3.60       | -13.0       | 24.46       | 180.00    | Horizontal | Horizontal | Pass    |
| 2510.300        | -34.37       | 1.49        | -13.0       | 21.37       | 237.00    | Horizontal | Horizontal | Pass    |
| 6677.750        | -37.22       | 16.80       | -13.0       | 24.22       | 13.00     | Horizontal | Horizontal | Pass    |
| 8860.599        | -35.80       | 20.23       | -13.0       | 22.80       | 58.00     | Horizontal | Horizontal | Pass    |

## Band:GSM850 Channel:MID range

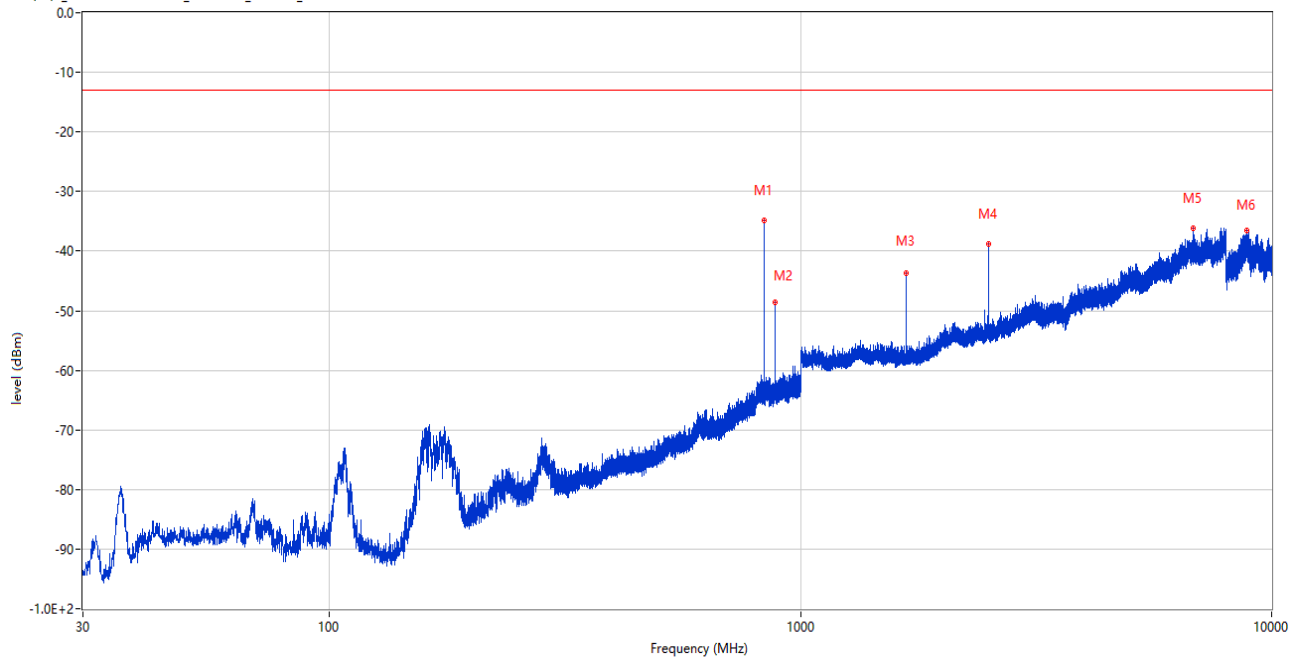
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 836.506         | -42.63       | 7.13        | -13.0       | 29.63       | 225.00    | Horizontal | Vertical | N/A     |
| 881.660         | -48.42       | 6.75        | -13.0       | 35.42       | 360.00    | Horizontal | Vertical | N/A     |
| 1673.900        | -42.51       | -3.60       | -13.0       | 29.51       | 196.00    | Horizontal | Vertical | Pass    |
| 2510.500        | -42.63       | 1.49        | -13.0       | 29.63       | 108.00    | Horizontal | Vertical | Pass    |
| 6685.750        | -36.82       | 17.02       | -13.0       | 23.82       | 143.00    | Horizontal | Vertical | Pass    |
| 8853.701        | -36.37       | 20.31       | -13.0       | 23.37       | 2.00      | Horizontal | Vertical | Pass    |

## Band:GSM850 Channel:MID range

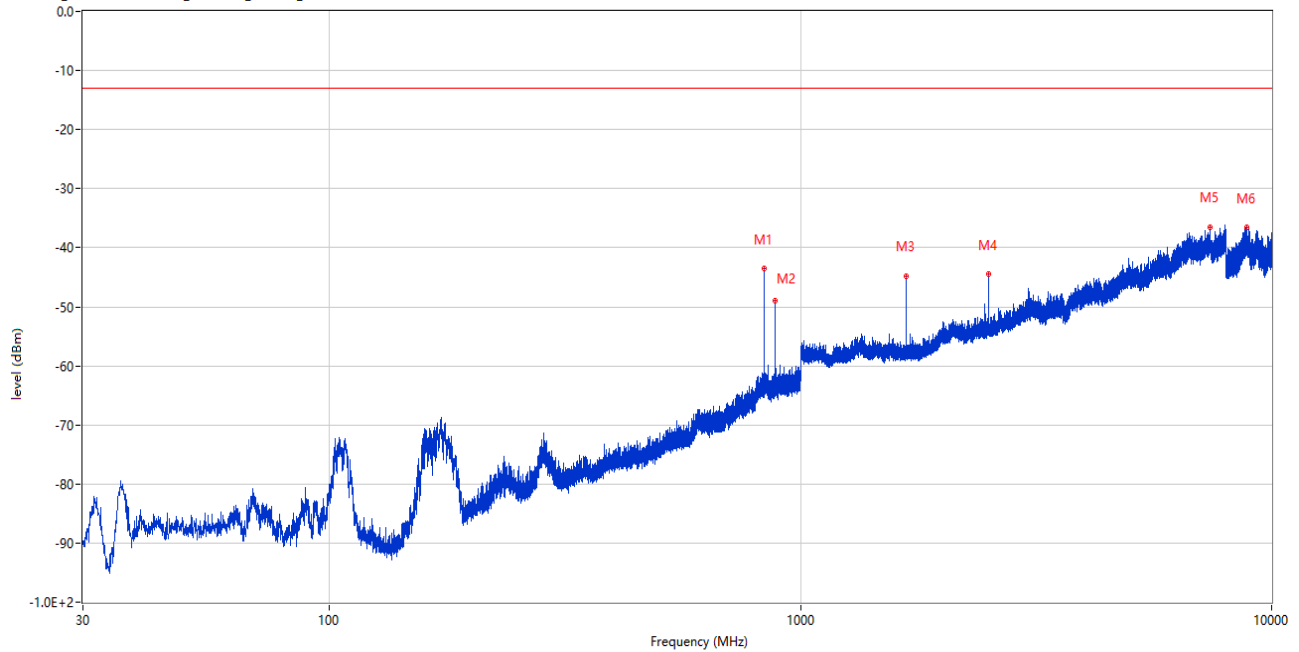
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 836.555         | -34.83       | 7.13        | -13.0       | 21.83       | 176.00    | Vertical | Vertical | N/A     |
| 881.660         | -48.58       | 6.75        | -13.0       | 35.58       | 194.00    | Vertical | Vertical | N/A     |
| 1673.900        | -43.67       | -3.60       | -13.0       | 30.67       | 154.00    | Vertical | Vertical | Pass    |
| 2510.600        | -38.74       | 1.48        | -13.0       | 25.74       | 180.00    | Vertical | Vertical | Pass    |
| 6822.250        | -36.11       | 16.22       | -13.0       | 23.11       | 307.00    | Vertical | Vertical | Pass    |
| 8851.100        | -36.61       | 20.35       | -13.0       | 23.61       | 77.00     | Vertical | Vertical | Pass    |

## Band:GSM850 Channel:MID range

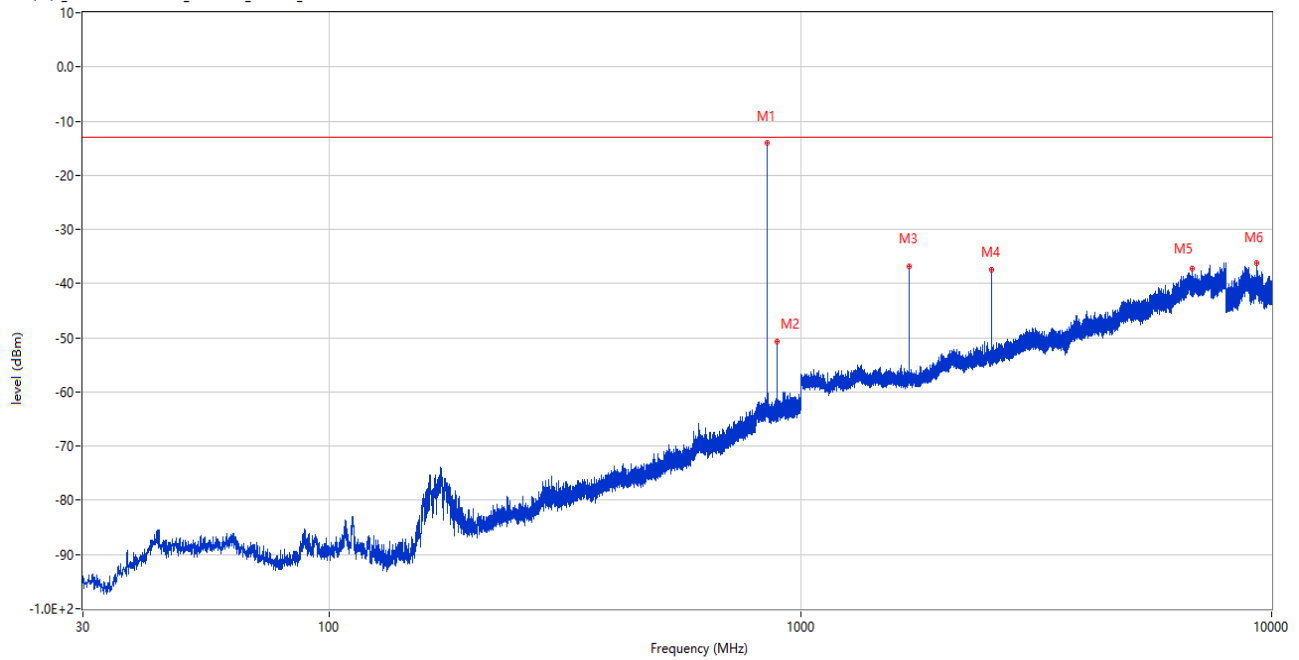
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 836.604         | -43.58       | 7.13        | -13.0       | 30.58       | 264.00    | Vertical | Horizontal | N/A     |
| 881.612         | -48.99       | 6.75        | -13.0       | 35.99       | 233.00    | Vertical | Horizontal | N/A     |
| 1674.100        | -44.74       | -3.61       | -13.0       | 31.74       | 7.00      | Vertical | Horizontal | Pass    |
| 2510.800        | -44.46       | 1.47        | -13.0       | 31.46       | 61.00     | Vertical | Horizontal | Pass    |
| 7383.750        | -36.58       | 17.57       | -13.0       | 23.58       | 163.00    | Vertical | Horizontal | Pass    |
| 8842.200        | -36.60       | 20.23       | -13.0       | 23.60       | 300.00    | Vertical | Horizontal | Pass    |

## Band:GSM850 Channel:HIGH range

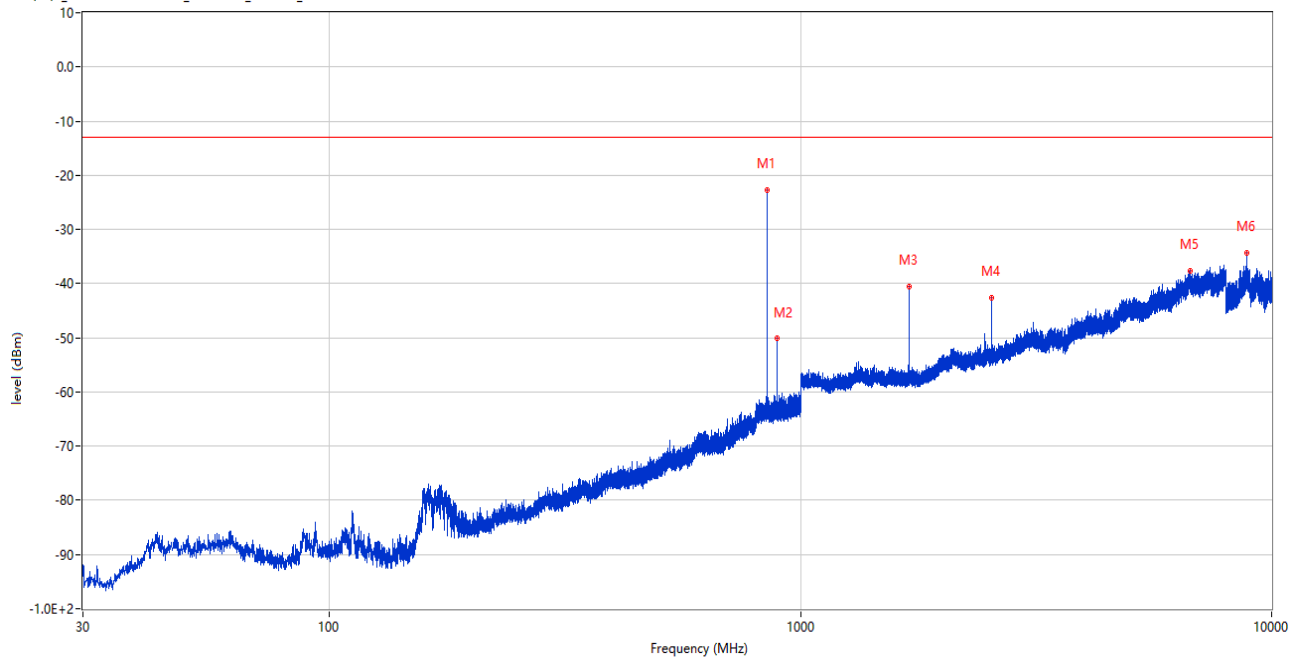
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 848.874         | -14.07       | 7.31        | -13.0       | 1.07        | 283.00    | Horizontal | Horizontal | N/A     |
| 893.737         | -50.71       | 6.90        | -13.0       | 37.71       | 360.00    | Horizontal | Horizontal | N/A     |
| 1698.300        | -36.72       | -3.59       | -13.0       | 23.72       | 172.00    | Horizontal | Horizontal | Pass    |
| 2547.300        | -37.54       | 1.52        | -13.0       | 24.54       | 224.00    | Horizontal | Horizontal | Pass    |
| 6772.750        | -37.33       | 16.19       | -13.0       | 24.33       | 313.00    | Horizontal | Horizontal | Pass    |
| 9285.401        | -36.22       | 19.41       | -13.0       | 23.22       | 277.00    | Horizontal | Horizontal | Pass    |

# Band:GSM850 Channel:HIGH range

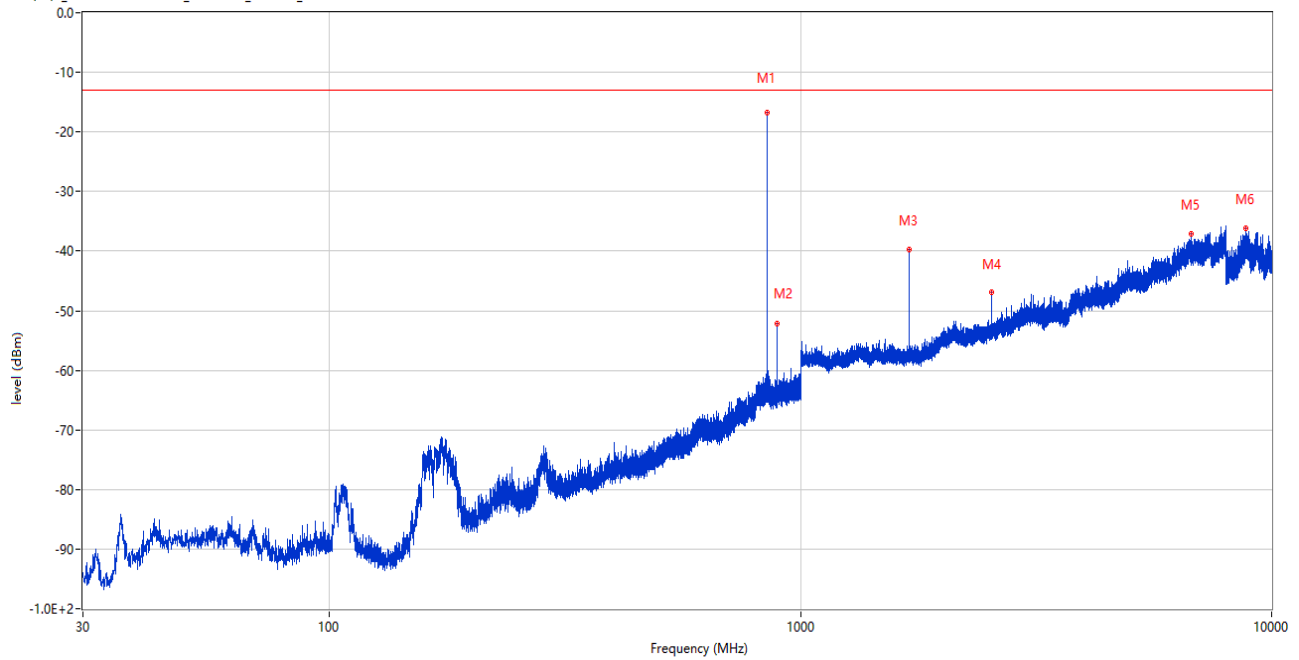
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 848.777         | -22.70       | 7.31        | -13.0       | 9.70        | 256.00    | Horizontal | Vertical | N/A     |
| 893.833         | -50.05       | 6.89        | -13.0       | 37.05       | 360.00    | Horizontal | Vertical | N/A     |
| 1698.300        | -40.59       | -3.59       | -13.0       | 27.59       | 189.00    | Horizontal | Vertical | Pass    |
| 2547.300        | -42.60       | 1.52        | -13.0       | 29.60       | 165.00    | Horizontal | Vertical | Pass    |
| 6729.500        | -37.60       | 16.46       | -13.0       | 24.60       | 78.00     | Horizontal | Vertical | Pass    |
| 8844.000        | -34.41       | 20.26       | -13.0       | 21.41       | 345.00    | Horizontal | Vertical | Pass    |

## Band:GSM850 Channel:HIGH range

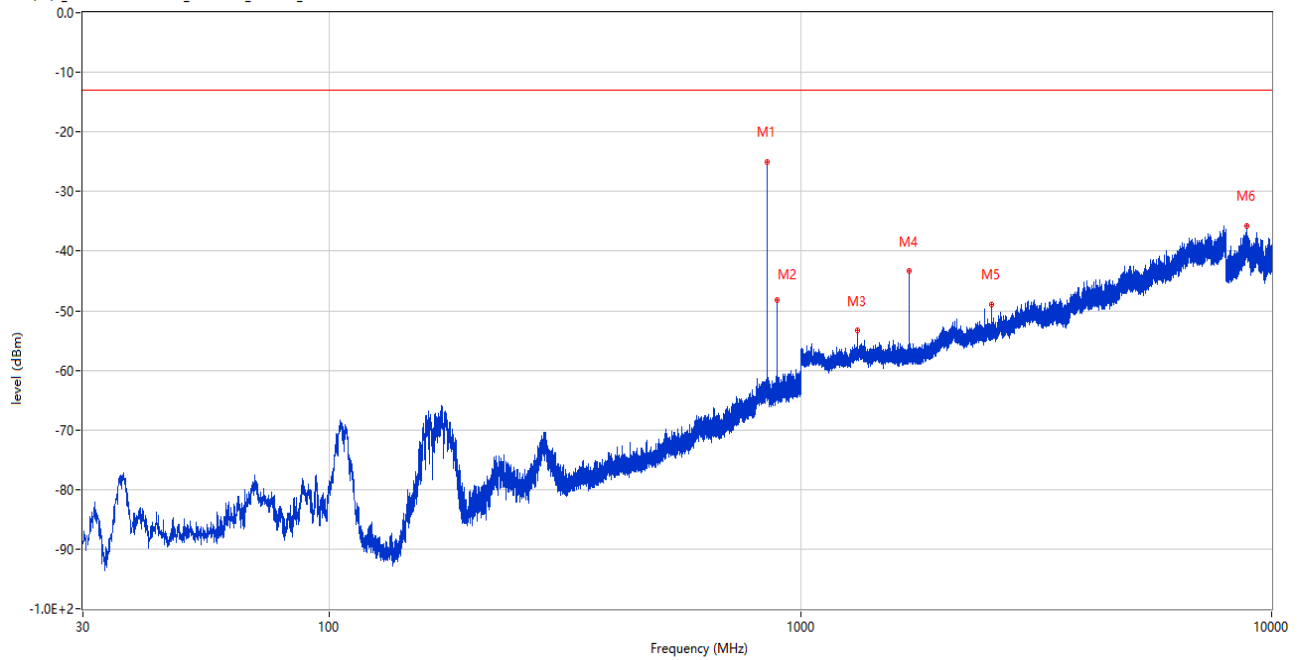
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 848.825         | -16.69       | 7.31        | -13.0       | 3.69        | 317.00    | Vertical | Vertical | N/A     |
| 893.833         | -52.09       | 6.89        | -13.0       | 39.09       | 336.00    | Vertical | Vertical | N/A     |
| 1698.500        | -39.82       | -3.60       | -13.0       | 26.82       | 139.00    | Vertical | Vertical | Pass    |
| 2547.000        | -46.93       | 1.52        | -13.0       | 33.93       | 344.00    | Vertical | Vertical | Pass    |
| 6738.000        | -37.13       | 16.02       | -13.0       | 24.13       | 70.00     | Vertical | Vertical | Pass    |
| 8820.799        | -36.07       | 19.88       | -13.0       | 23.07       | 296.00    | Vertical | Vertical | Pass    |

# Band:GSM850 Channel:HIGH range

RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz

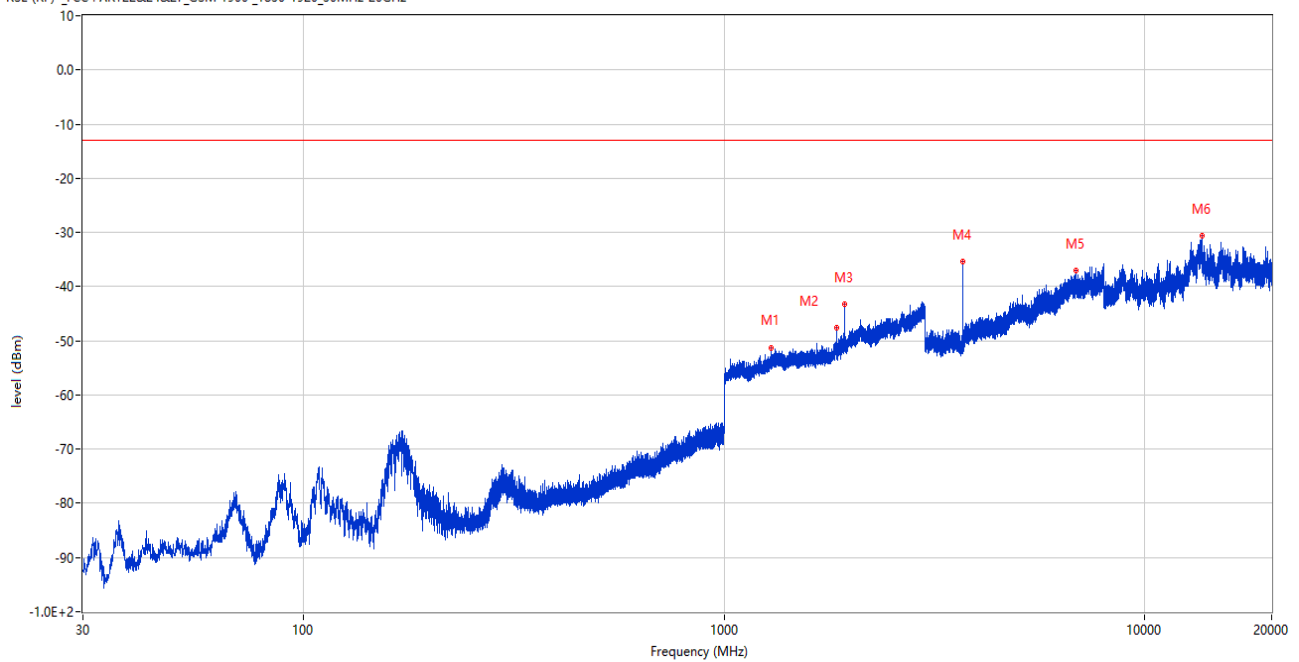


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 848.874         | -25.06       | 7.31        | -13.0       | 12.06       | 274.00    | Vertical | Horizontal | N/A     |
| 893.785         | -48.15       | 6.89        | -13.0       | 35.15       | 164.00    | Vertical | Horizontal | N/A     |
| 1324.000        | -53.33       | -2.54       | -13.0       | 40.33       | 239.00    | Vertical | Horizontal | Pass    |
| 1698.400        | -43.36       | -3.59       | -13.0       | 30.36       | 360.00    | Vertical | Horizontal | Pass    |
| 2547.100        | -48.94       | 1.52        | -13.0       | 35.94       | 358.00    | Vertical | Horizontal | Pass    |
| 8869.701        | -35.71       | 20.12       | -13.0       | 22.71       | 9.00      | Vertical | Horizontal | Pass    |

## 1.2 GSM 1900

Band:GSM1900 Channel:LOW range

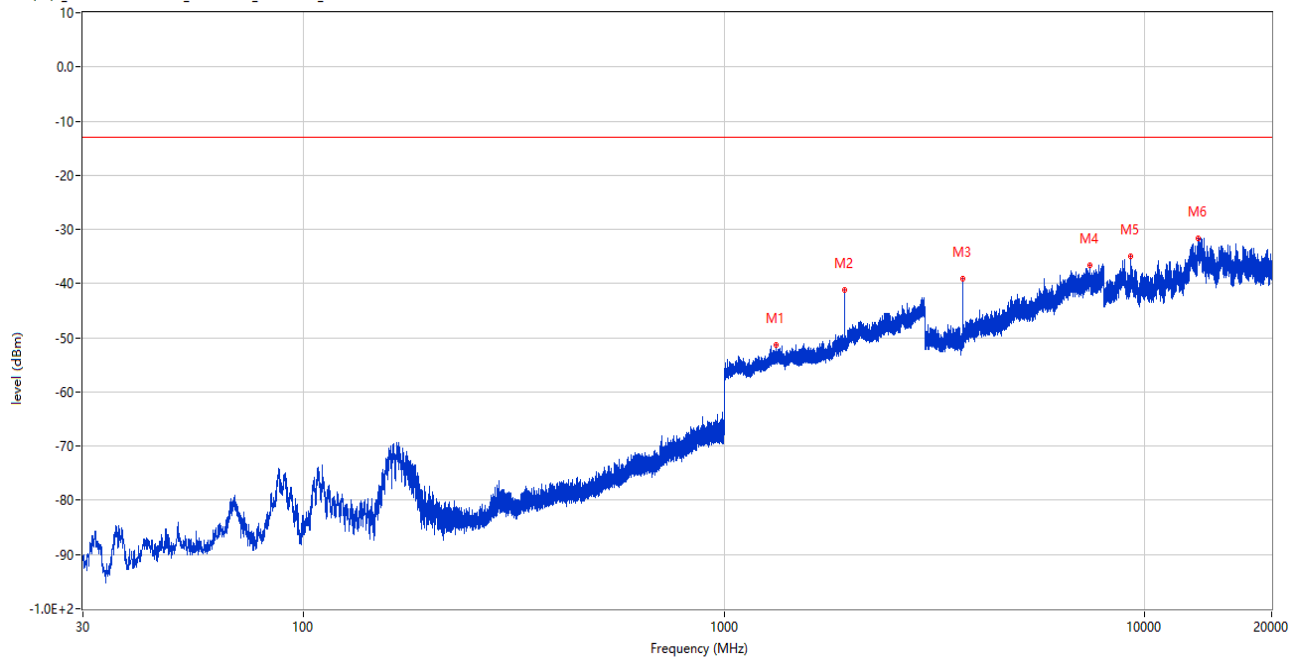
RSE (RF) \_FCC PART22&24&27\_GSM 1900 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1291.700        | -51.31       | 0.59        | -13.0       | 38.31       | 349.00    | Horizontal | Horizontal | Pass    |
| 1850.200        | -47.58       | 2.54        | -13.0       | 34.58       | 3.00      | Horizontal | Horizontal | N/A     |
| 1930.100        | -43.34       | 3.16        | -13.0       | 30.34       | 275.00    | Horizontal | Horizontal | N/A     |
| 3701.000        | -35.30       | 7.58        | -13.0       | 22.30       | 225.00    | Horizontal | Horizontal | Pass    |
| 6860.000        | -37.05       | 16.53       | -13.0       | 24.05       | 88.00     | Horizontal | Horizontal | Pass    |
| 13650.088       | -30.59       | 24.83       | -13.0       | 17.59       | 3.00      | Horizontal | Horizontal | Pass    |

## Band:GSM1900 Channel:LOW range

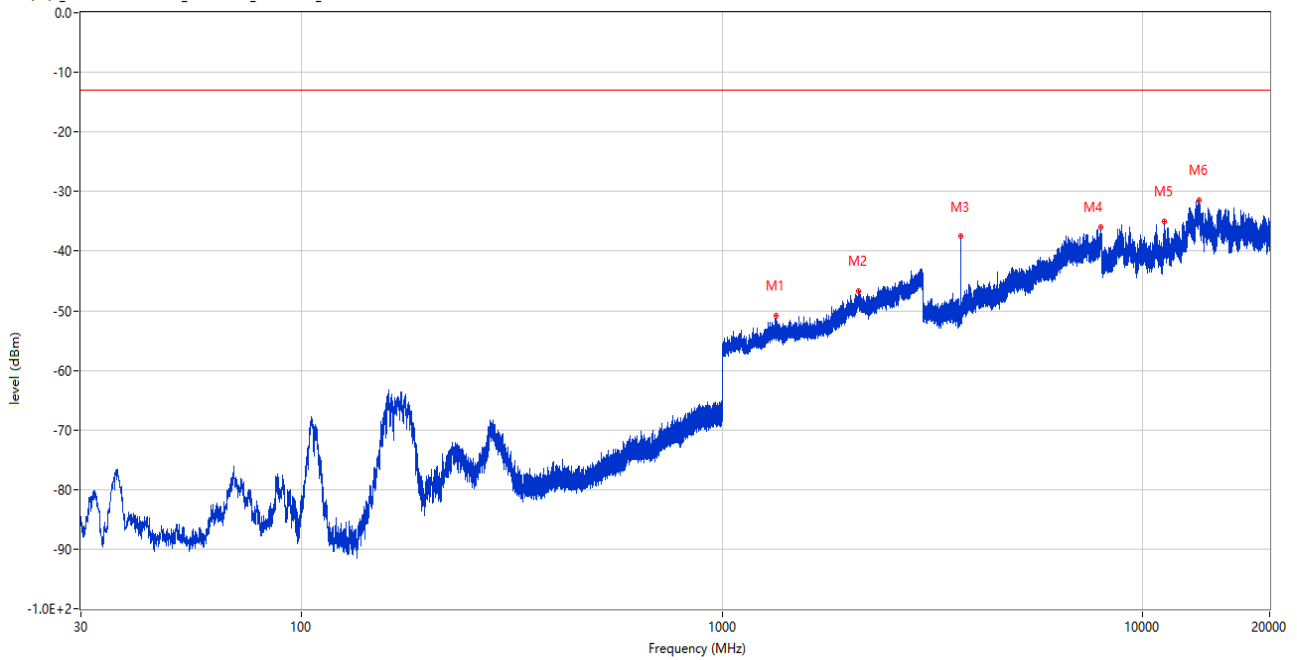
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 1330.700        | -51.33       | 0.65        | -13.0       | 38.33       | 17.00     | Horizontal | Vertical | Pass    |
| 1930.100        | -41.17       | 3.16        | -13.0       | 28.17       | 118.00    | Horizontal | Vertical | N/A     |
| 3701.250        | -39.09       | 7.57        | -13.0       | 26.09       | 128.00    | Horizontal | Vertical | Pass    |
| 7407.500        | -36.56       | 17.98       | -13.0       | 23.56       | 347.00    | Horizontal | Vertical | Pass    |
| 9251.625        | -35.04       | 18.51       | -13.0       | 22.04       | 240.00    | Horizontal | Vertical | Pass    |
| 13366.612       | -31.63       | 24.64       | -13.0       | 18.63       | 87.00     | Horizontal | Vertical | Pass    |

## Band:GSM1900 Channel:LOW range

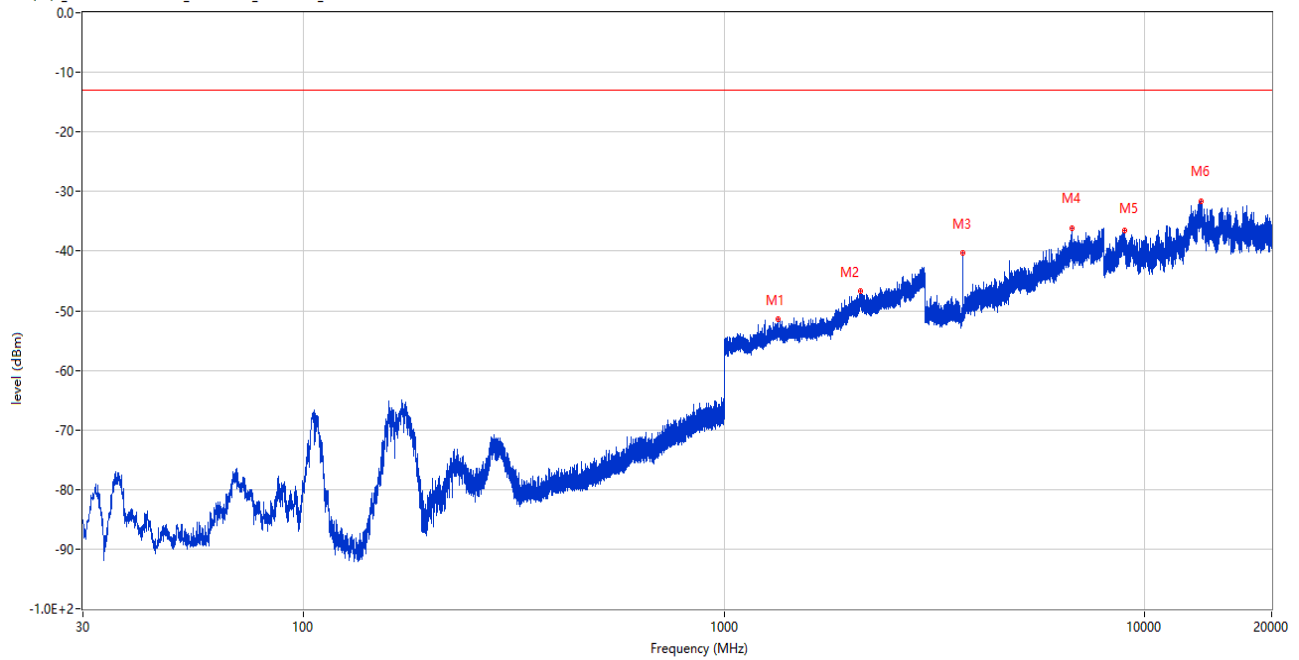
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 1342.100        | -50.79       | 0.54        | -13.0       | 37.79       | 147.00    | Vertical | Vertical | Pass    |
| 2112.900        | -46.64       | 5.92        | -13.0       | 33.64       | 165.00    | Vertical | Vertical | Pass    |
| 3701.000        | -37.41       | 7.58        | -13.0       | 24.41       | 33.00     | Vertical | Vertical | Pass    |
| 7964.000        | -36.00       | 18.13       | -13.0       | 23.00       | 194.00    | Vertical | Vertical | Pass    |
| 11271.326       | -34.97       | 18.56       | -13.0       | 21.97       | 30.00     | Vertical | Vertical | Pass    |
| 13570.338       | -31.42       | 25.08       | -13.0       | 18.42       | 3.00      | Vertical | Vertical | Pass    |

# Band:GSM1900 Channel:LOW range

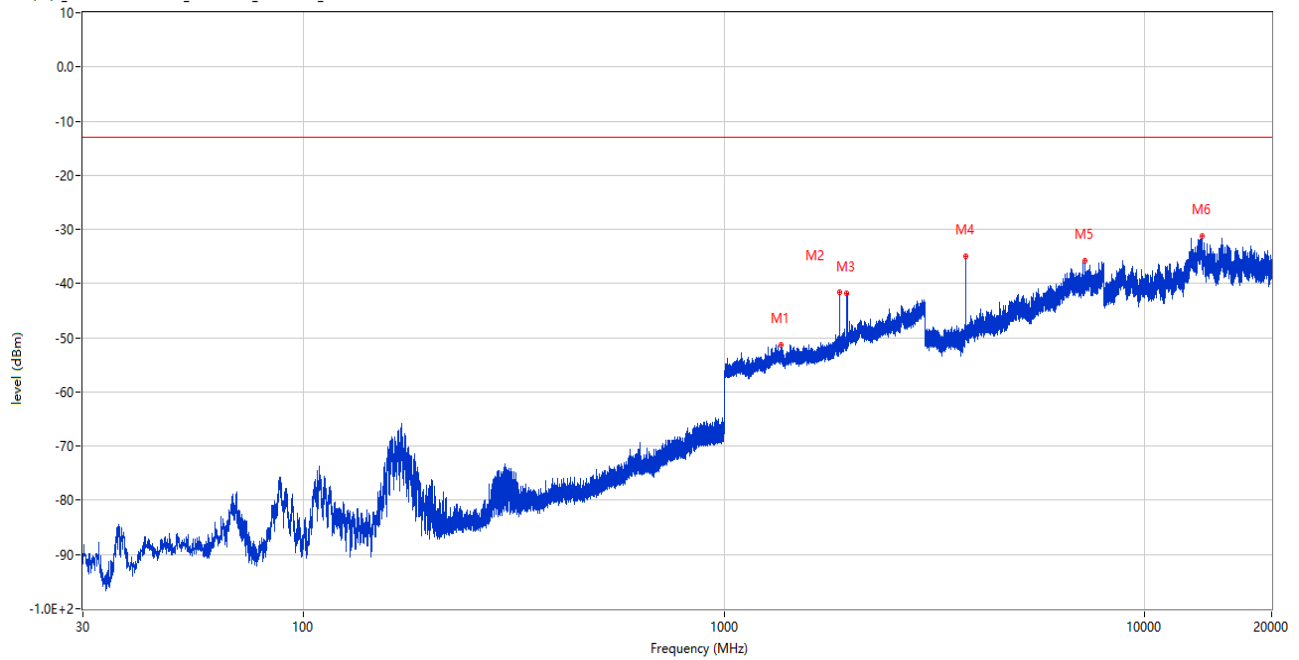
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 1342.400        | -51.35       | 0.55        | -13.0       | 38.35       | 44.00     | Vertical | Horizontal | Pass    |
| 2113.400        | -46.70       | 5.84        | -13.0       | 33.70       | 0.00      | Vertical | Horizontal | Pass    |
| 3701.000        | -40.34       | 7.58        | -13.0       | 27.34       | 94.00     | Vertical | Horizontal | Pass    |
| 6717.500        | -36.22       | 16.65       | -13.0       | 23.22       | 266.00    | Vertical | Horizontal | Pass    |
| 8932.662        | -36.48       | 19.54       | -13.0       | 23.48       | 319.00    | Vertical | Horizontal | Pass    |
| 13627.975       | -31.56       | 24.85       | -13.0       | 18.56       | 205.00    | Vertical | Horizontal | Pass    |

# Band:GSM1900 Channel:MID range

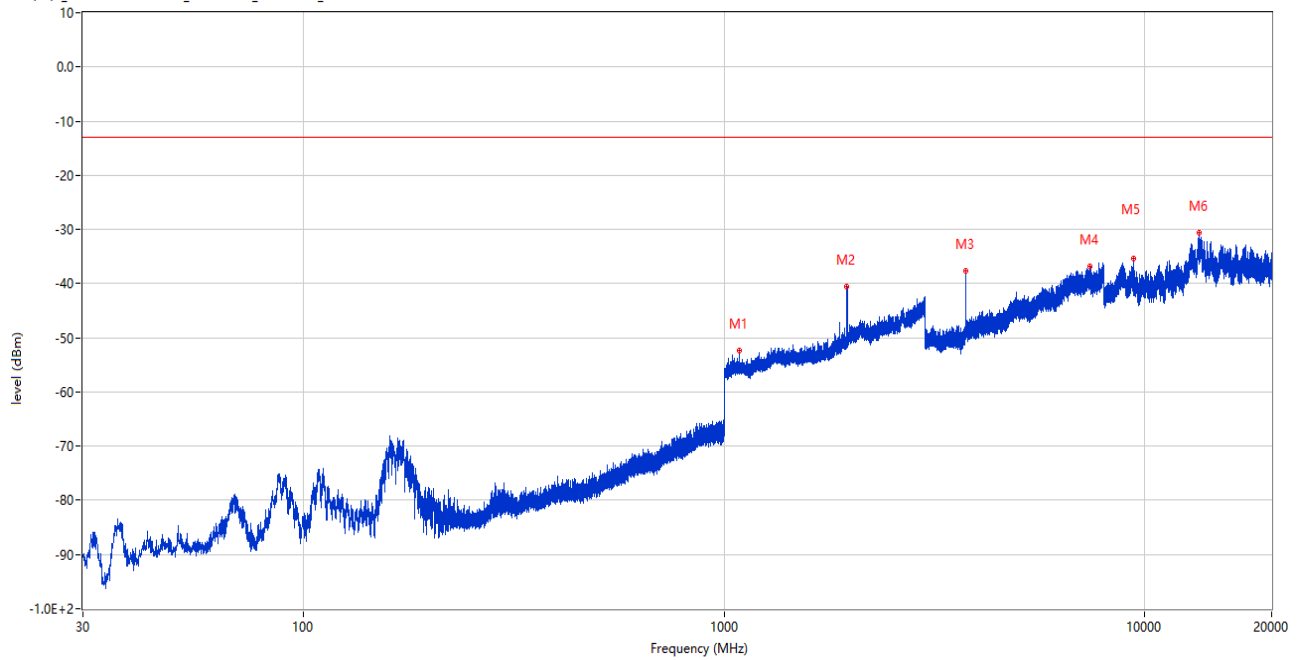
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1364.400        | -51.26       | 0.44        | -13.0       | 38.26       | 53.00     | Horizontal | Horizontal | Pass    |
| 1880.900        | -41.60       | 2.77        | -13.0       | 28.60       | 348.00    | Horizontal | Horizontal | N/A     |
| 1960.800        | -41.89       | 3.39        | -13.0       | 28.89       | 270.00    | Horizontal | Horizontal | N/A     |
| 3760.500        | -35.02       | 9.19        | -13.0       | 22.02       | 233.00    | Horizontal | Horizontal | Pass    |
| 7211.750        | -35.77       | 16.54       | -13.0       | 22.77       | 274.00    | Horizontal | Horizontal | Pass    |
| 13651.174       | -31.31       | 24.78       | -13.0       | 18.31       | 360.00    | Horizontal | Horizontal | Pass    |

## Band:GSM1900 Channel:MID range

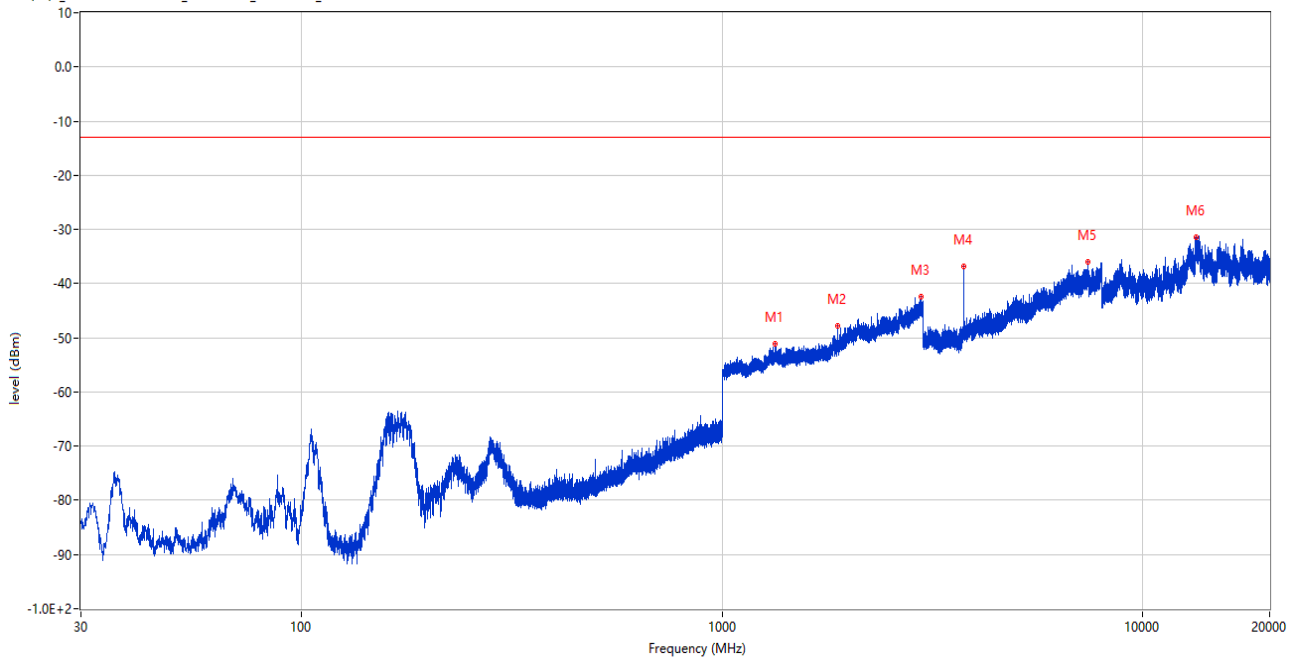
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 1087.100        | -52.41       | -0.90       | -13.0       | 39.41       | 58.00     | Horizontal | Vertical | Pass    |
| 1960.000        | -40.52       | 3.38        | -13.0       | 27.52       | 124.00    | Horizontal | Vertical | N/A     |
| 3760.250        | -37.58       | 9.20        | -13.0       | 24.58       | 152.00    | Horizontal | Vertical | Pass    |
| 7416.250        | -36.79       | 18.14       | -13.0       | 23.79       | 322.00    | Horizontal | Vertical | Pass    |
| 9401.012        | -35.39       | 18.19       | -13.0       | 22.39       | 242.00    | Horizontal | Vertical | Pass    |
| 13424.612       | -30.70       | 24.68       | -13.0       | 17.70       | 3.00      | Horizontal | Vertical | Pass    |

## Band:GSM1900 Channel:MID range

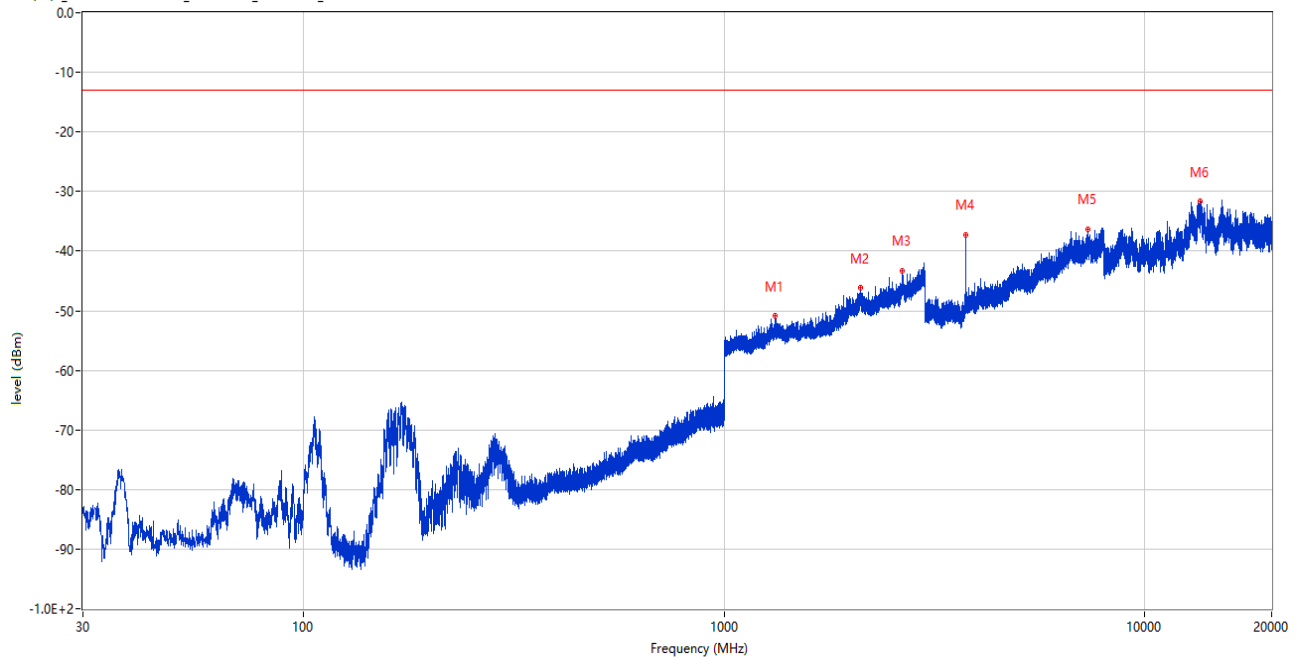
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 1338.200        | -51.04       | 0.59        | -13.0       | 38.04       | 113.00    | Vertical | Vertical | Pass    |
| 1880.200        | -47.83       | 2.77        | -13.0       | 34.83       | 39.00     | Vertical | Vertical | N/A     |
| 2968.200        | -42.46       | 11.83       | -13.0       | 29.46       | 126.00    | Vertical | Vertical | Pass    |
| 3760.500        | -36.75       | 9.19        | -13.0       | 23.75       | 249.00    | Vertical | Vertical | Pass    |
| 7407.500        | -36.06       | 17.98       | -13.0       | 23.06       | 87.00     | Vertical | Vertical | Pass    |
| 13343.776       | -31.42       | 24.30       | -13.0       | 18.42       | 360.00    | Vertical | Vertical | Pass    |

## Band:GSM1900 Channel:MID range

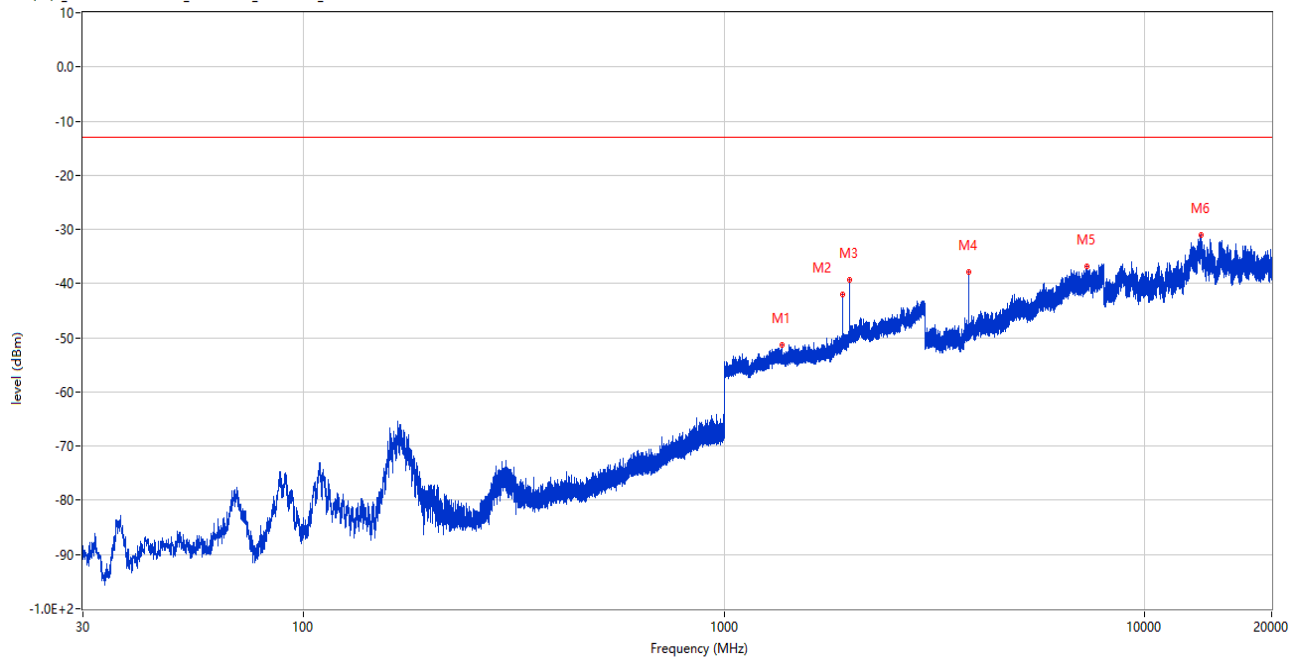
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 1320.400        | -50.92       | 0.57        | -13.0       | 37.92       | 329.00    | Vertical | Horizontal | Pass    |
| 2113.400        | -46.14       | 5.84        | -13.0       | 33.14       | 105.00    | Vertical | Horizontal | Pass    |
| 2648.300        | -43.29       | 9.19        | -13.0       | 30.29       | 72.00     | Vertical | Horizontal | Pass    |
| 3760.500        | -37.29       | 9.19        | -13.0       | 24.29       | 88.00     | Vertical | Horizontal | Pass    |
| 7325.500        | -36.29       | 17.25       | -13.0       | 23.29       | 72.00     | Vertical | Horizontal | Pass    |
| 13555.838       | -31.68       | 25.18       | -13.0       | 18.68       | 343.00    | Vertical | Horizontal | Pass    |

# Band:GSM1900 Channel:HIGH range

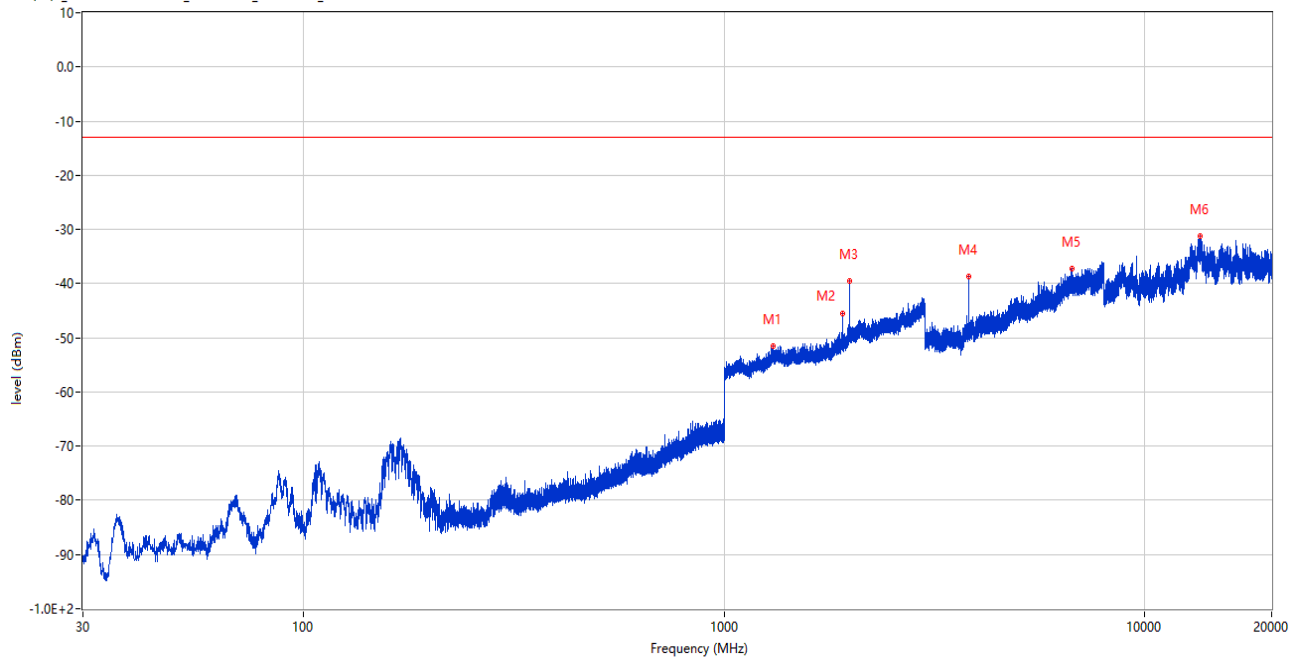
RSE (RF) \_FCC PART22&24&27\_GSM 1900 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1370.600        | -51.35       | 0.36        | -13.0       | 38.35       | 206.00    | Horizontal | Horizontal | Pass    |
| 1909.900        | -41.90       | 3.11        | -13.0       | 28.90       | 354.00    | Horizontal | Horizontal | N/A     |
| 1990.600        | -39.37       | 4.55        | -13.0       | 26.37       | 275.00    | Horizontal | Horizontal | N/A     |
| 3820.250        | -37.85       | 9.03        | -13.0       | 24.85       | 274.00    | Horizontal | Horizontal | Pass    |
| 7277.000        | -36.88       | 16.94       | -13.0       | 23.88       | 178.00    | Horizontal | Horizontal | Pass    |
| 13627.612       | -30.97       | 24.85       | -13.0       | 17.97       | 1.00      | Horizontal | Horizontal | Pass    |

# Band:GSM1900 Channel:HIGH range

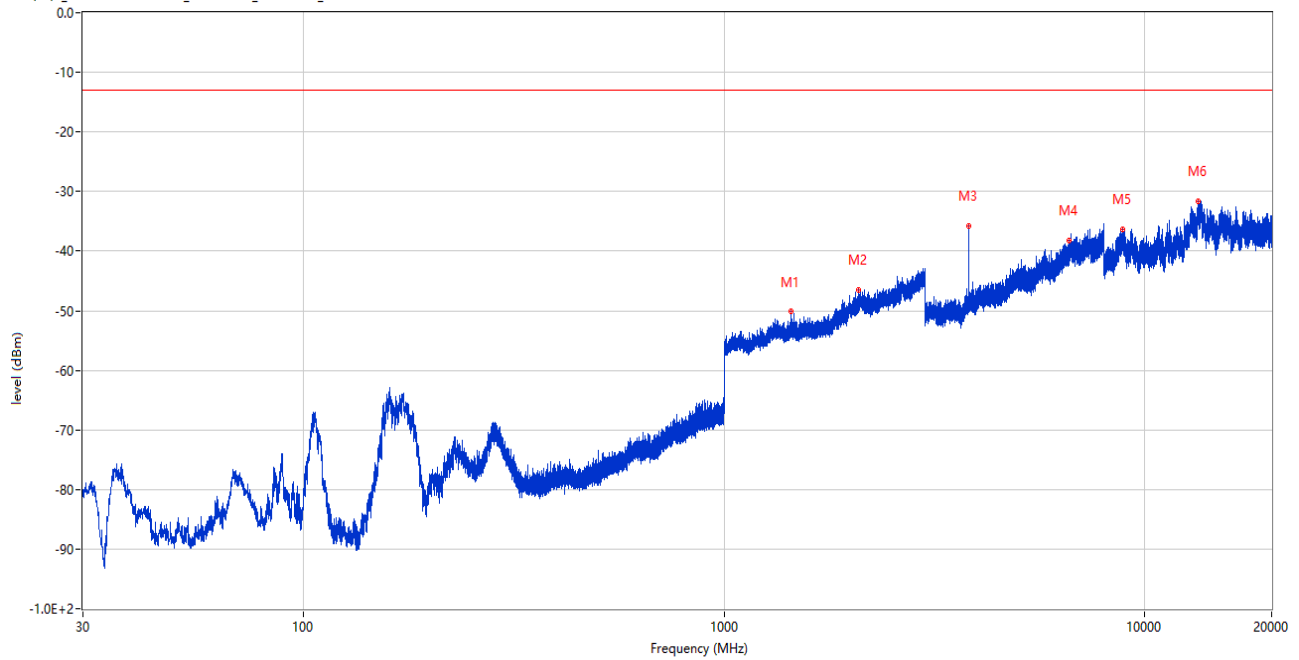
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 1309.800        | -51.58       | 0.56        | -13.0       | 38.58       | 262.00    | Horizontal | Vertical | Pass    |
| 1909.700        | -45.44       | 3.11        | -13.0       | 32.44       | 152.00    | Horizontal | Vertical | N/A     |
| 1990.600        | -39.45       | 4.55        | -13.0       | 26.45       | 271.00    | Horizontal | Vertical | N/A     |
| 3820.000        | -38.64       | 9.05        | -13.0       | 25.64       | 143.00    | Horizontal | Vertical | Pass    |
| 6702.000        | -37.17       | 16.83       | -13.0       | 24.17       | 257.00    | Horizontal | Vertical | Pass    |
| 13539.162       | -31.15       | 24.94       | -13.0       | 18.15       | 87.00     | Horizontal | Vertical | Pass    |

# Band:GSM1900 Channel:HIGH range

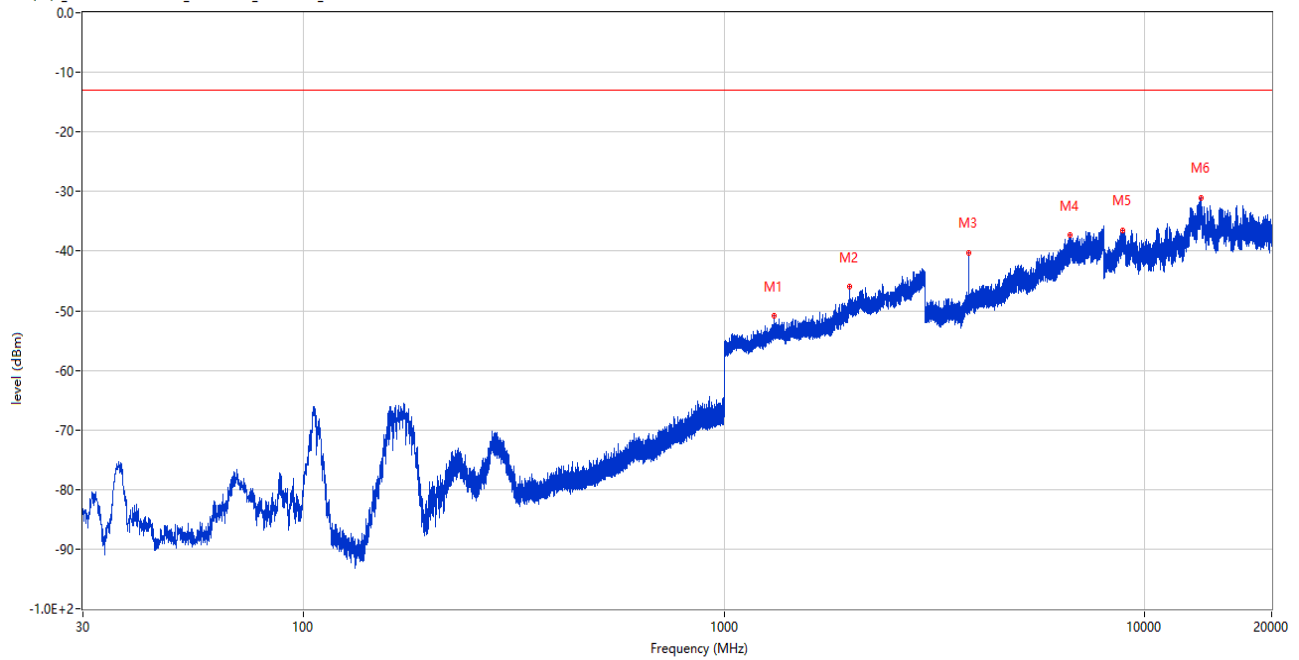
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 1445.900        | -50.17       | 0.72        | -13.0       | 37.17       | 317.00    | Vertical | Vertical | Pass    |
| 2083.500        | -46.46       | 5.27        | -13.0       | 33.46       | 248.00    | Vertical | Vertical | Pass    |
| 3820.000        | -35.69       | 9.05        | -13.0       | 22.69       | 242.00    | Vertical | Vertical | Pass    |
| 6614.500        | -38.14       | 16.10       | -13.0       | 25.14       | 193.00    | Vertical | Vertical | Pass    |
| 8845.500        | -36.26       | 20.29       | -13.0       | 23.26       | 360.00    | Vertical | Vertical | Pass    |
| 13403.588       | -31.58       | 24.83       | -13.0       | 18.58       | 88.00     | Vertical | Vertical | Pass    |

## Band:GSM1900 Channel:HIGH range

RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



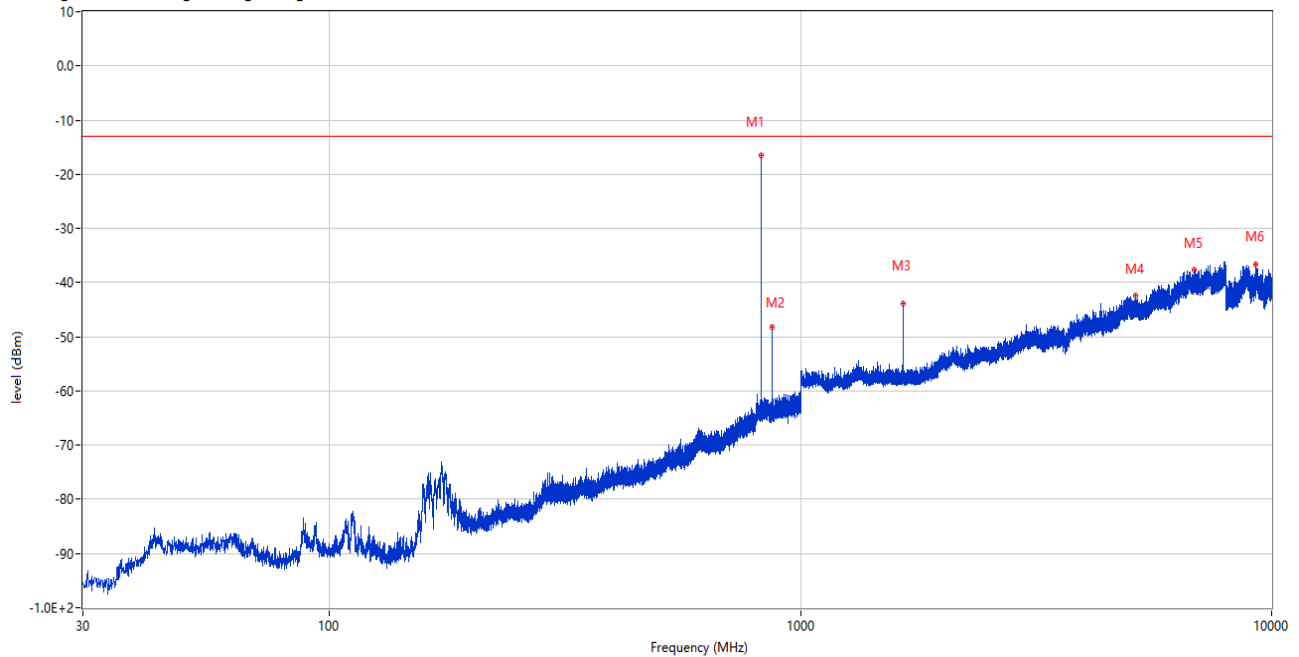
| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 1318.800        | -50.87       | 0.52        | -13.0       | 37.87       | 134.00    | Vertical | Horizontal | Pass    |
| 1990.500        | -45.97       | 4.56        | -13.0       | 32.97       | 147.00    | Vertical | Horizontal | N/A     |
| 3819.750        | -40.28       | 9.05        | -13.0       | 27.28       | 93.00     | Vertical | Horizontal | Pass    |
| 6655.000        | -37.30       | 16.12       | -13.0       | 24.30       | 53.00     | Vertical | Horizontal | Pass    |
| 8856.424        | -36.49       | 20.28       | -13.0       | 23.49       | 360.00    | Vertical | Horizontal | Pass    |
| 13573.963       | -31.08       | 25.05       | -13.0       | 18.08       | 273.00    | Vertical | Horizontal | Pass    |

## 2. EGPRS

### 2.1 EGPRS 850

Band: EGPRS850 Channel:LOW range

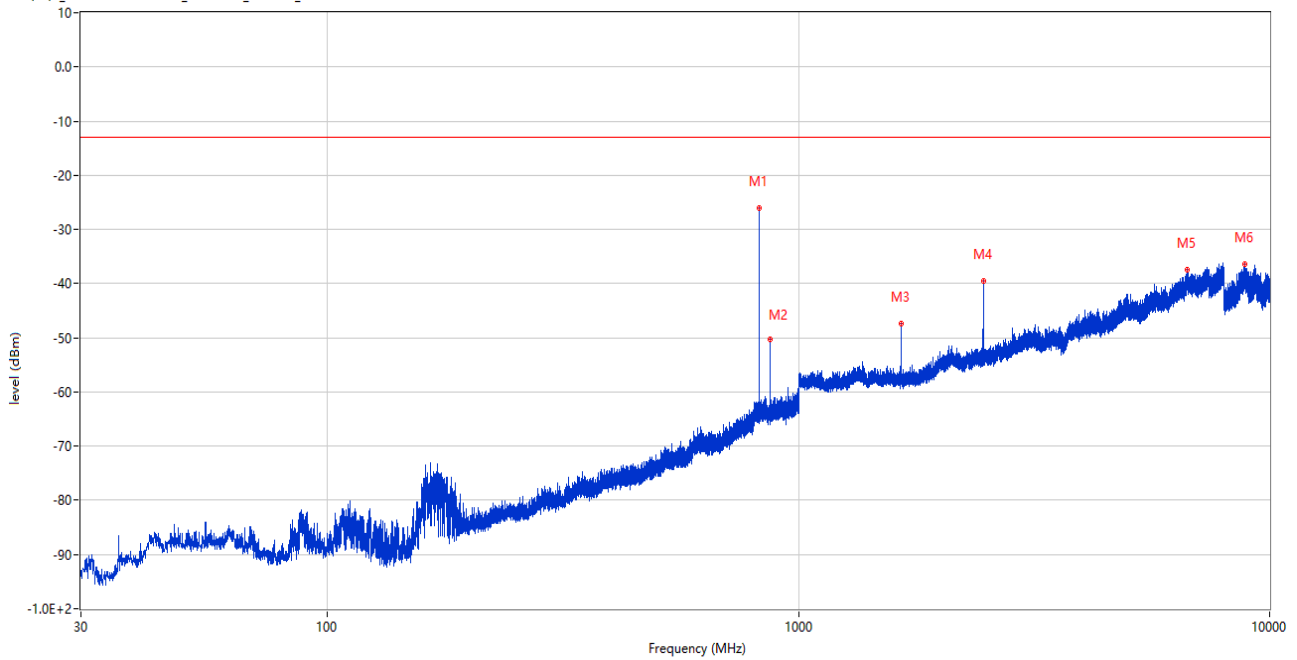
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 824.139         | -16.42       | 6.90        | -13.0       | 3.42        | 250.00    | Horizontal | Horizontal | N/A     |
| 869.244         | -48.12       | 6.36        | -13.0       | 35.12       | 308.00    | Horizontal | Horizontal | N/A     |
| 1649.300        | -43.83       | -3.69       | -13.0       | 30.83       | 175.00    | Horizontal | Horizontal | Pass    |
| 5136.000        | -42.35       | 12.19       | -13.0       | 29.35       | 194.00    | Horizontal | Horizontal | Pass    |
| 6853.000        | -37.73       | 16.46       | -13.0       | 24.73       | 323.00    | Horizontal | Horizontal | Pass    |
| 9259.099        | -36.51       | 18.71       | -13.0       | 23.51       | 360.00    | Horizontal | Horizontal | Pass    |

# Band: EGPRS850 Channel:LOW range

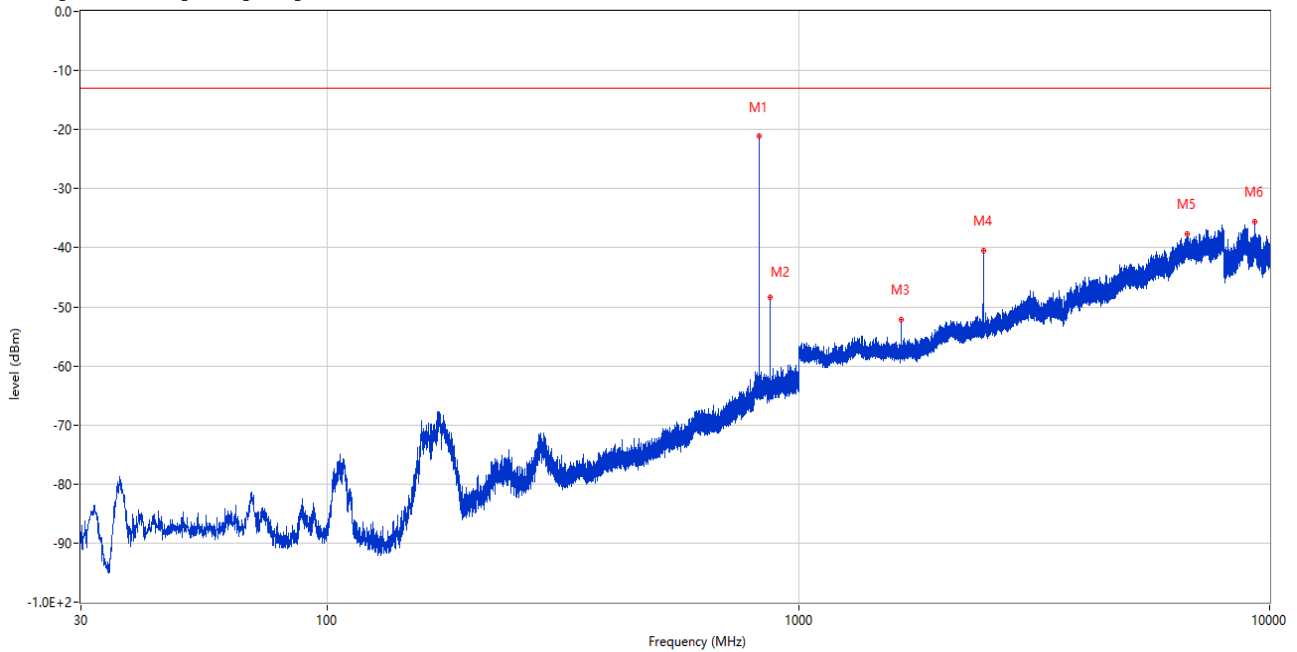
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 824.188         | -26.11       | 6.91        | -13.0       | 13.11       | 255.00    | Horizontal | Vertical | N/A     |
| 869.147         | -50.30       | 6.35        | -13.0       | 37.30       | 316.00    | Horizontal | Vertical | N/A     |
| 1649.300        | -47.47       | -3.69       | -13.0       | 34.47       | 48.00     | Horizontal | Vertical | Pass    |
| 2473.600        | -39.61       | 0.97        | -13.0       | 26.61       | 182.00    | Horizontal | Vertical | Pass    |
| 6684.250        | -37.42       | 16.99       | -13.0       | 24.42       | 200.00    | Horizontal | Vertical | Pass    |
| 8848.600        | -36.34       | 20.34       | -13.0       | 23.34       | 300.00    | Horizontal | Vertical | Pass    |

# Band: EGPRS850 Channel:LOW range

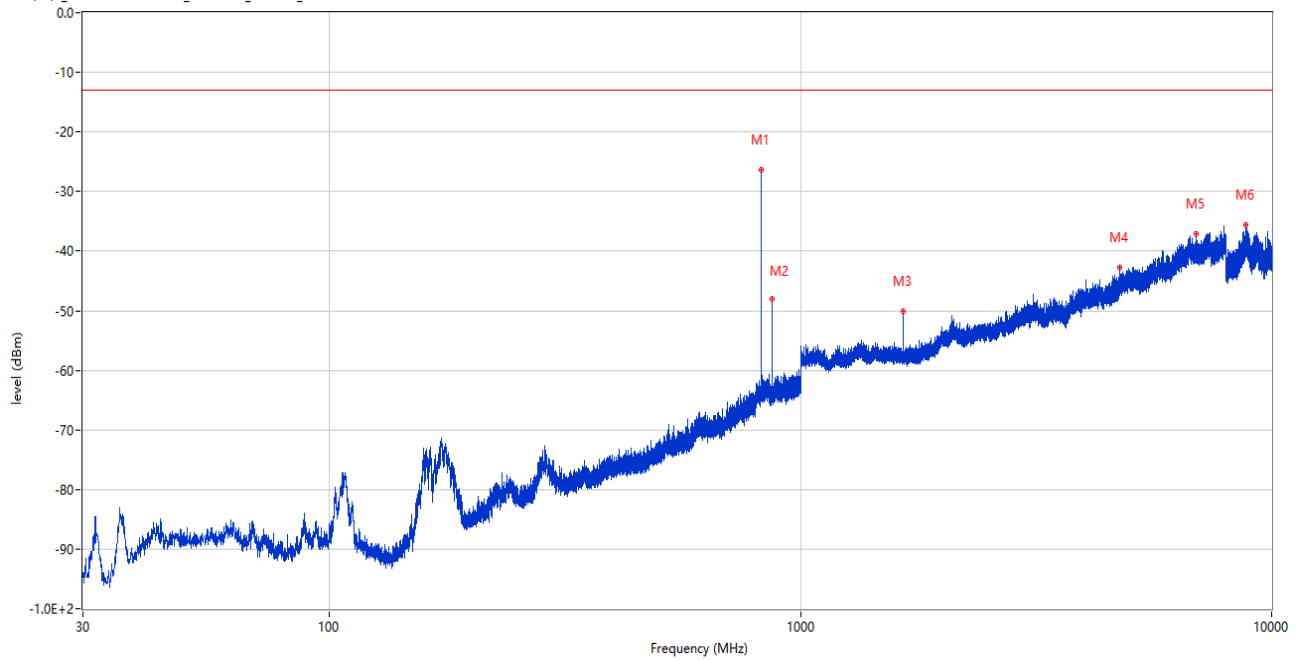
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 824.236         | -21.12       | 6.91        | -13.0       | 8.12        | 212.00    | Vertical | Vertical | N/A     |
| 869.244         | -48.41       | 6.36        | -13.0       | 35.41       | 290.00    | Vertical | Vertical | N/A     |
| 1649.300        | -52.12       | -3.69       | -13.0       | 39.12       | 5.00      | Vertical | Vertical | Pass    |
| 2473.700        | -40.48       | 0.97        | -13.0       | 27.48       | 181.00    | Vertical | Vertical | Pass    |
| 6690.250        | -37.58       | 16.99       | -13.0       | 24.58       | 322.00    | Vertical | Vertical | Pass    |
| 9310.300        | -35.60       | 19.66       | -13.0       | 22.60       | 3.00      | Vertical | Vertical | Pass    |

# Band: EGPRS850 Channel:LOW range

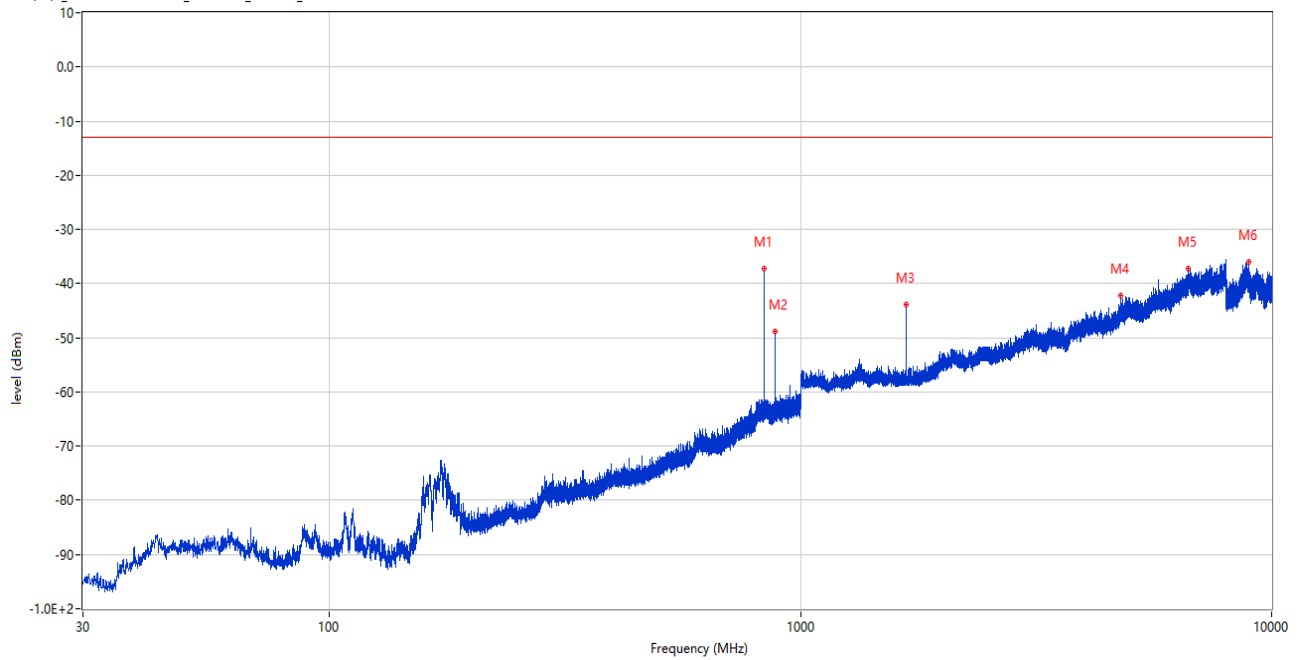
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 824.188         | -26.30       | 6.91        | -13.0       | 13.30       | 275.00    | Vertical | Horizontal | N/A     |
| 869.244         | -48.08       | 6.36        | -13.0       | 35.08       | 341.00    | Vertical | Horizontal | N/A     |
| 1649.300        | -50.01       | -3.69       | -13.0       | 37.01       | 13.00     | Vertical | Horizontal | Pass    |
| 4758.750        | -42.84       | 11.35       | -13.0       | 29.84       | 251.00    | Vertical | Horizontal | Pass    |
| 6899.250        | -37.02       | 16.16       | -13.0       | 24.02       | 19.00     | Vertical | Horizontal | Pass    |
| 8824.001        | -35.58       | 19.93       | -13.0       | 22.58       | 314.00    | Vertical | Horizontal | Pass    |

# Band: EGPRS850 Channel:MID range

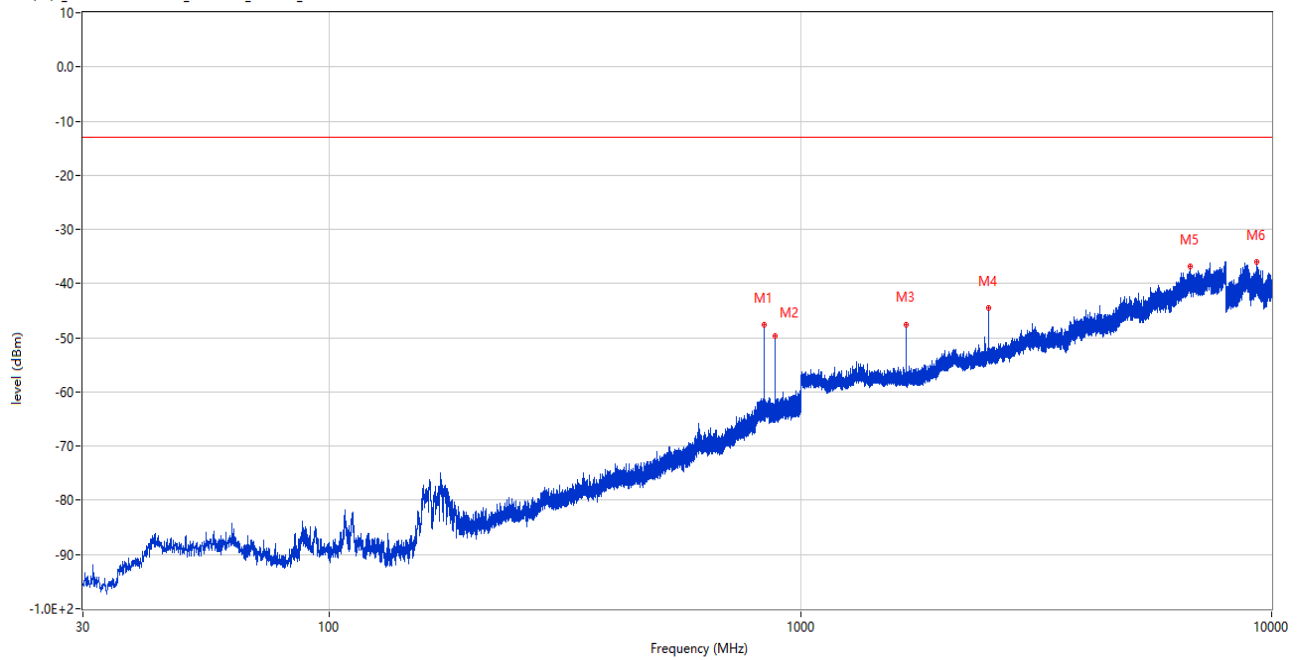
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 836.604         | -37.19       | 7.13        | -13.0       | 24.19       | 271.00    | Horizontal | Horizontal | N/A     |
| 881.563         | -48.86       | 6.75        | -13.0       | 35.86       | 327.00    | Horizontal | Horizontal | N/A     |
| 1674.300        | -43.80       | -3.62       | -13.0       | 30.80       | 173.00    | Horizontal | Horizontal | Pass    |
| 4777.000        | -42.16       | 12.44       | -13.0       | 29.16       | 314.00    | Horizontal | Horizontal | Pass    |
| 6663.750        | -37.20       | 16.40       | -13.0       | 24.20       | 161.00    | Horizontal | Horizontal | Pass    |
| 8938.200        | -35.92       | 19.51       | -13.0       | 22.92       | 360.00    | Horizontal | Horizontal | Pass    |

# Band: EGPRS850 Channel:MID range

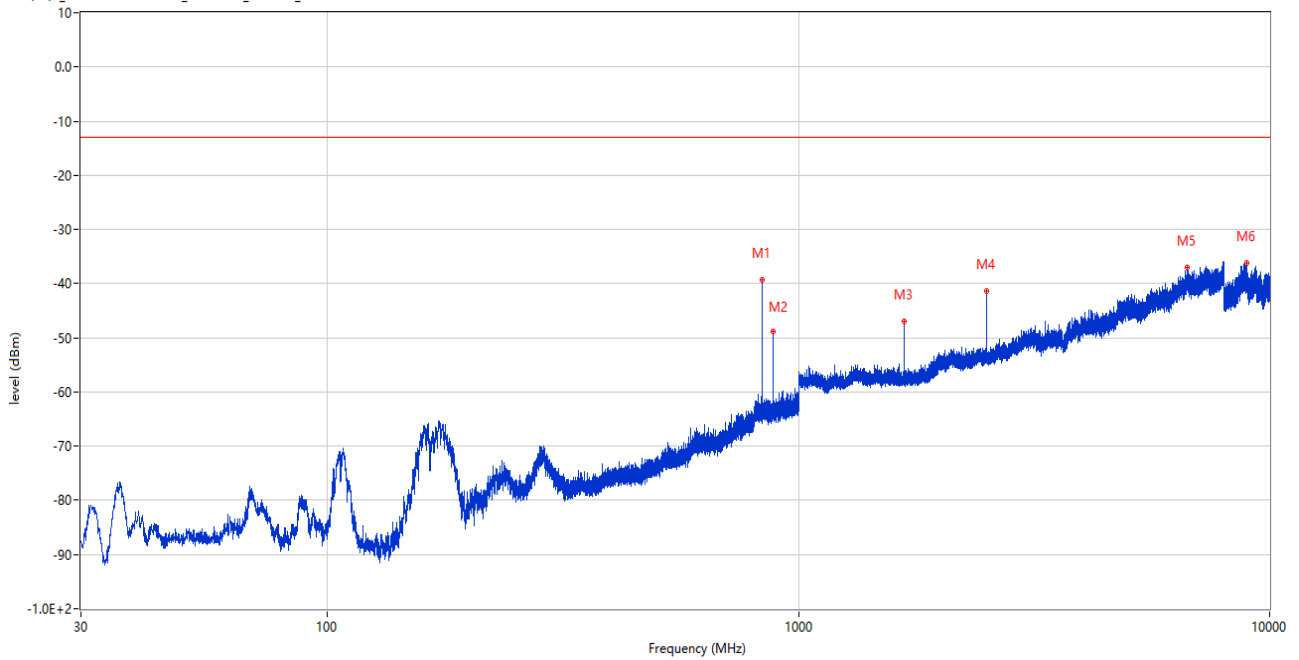
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 836.604         | -47.56       | 7.13        | -13.0       | 34.56       | 254.00    | Horizontal | Vertical | N/A     |
| 881.563         | -49.68       | 6.75        | -13.0       | 36.68       | 346.00    | Horizontal | Vertical | N/A     |
| 1674.100        | -47.50       | -3.61       | -13.0       | 34.50       | 168.00    | Horizontal | Vertical | Pass    |
| 2510.900        | -44.44       | 1.47        | -13.0       | 31.44       | 168.00    | Horizontal | Vertical | Pass    |
| 6723.500        | -36.81       | 16.61       | -13.0       | 23.81       | 67.00     | Horizontal | Vertical | Pass    |
| 9308.200        | -36.02       | 19.69       | -13.0       | 23.02       | 152.00    | Horizontal | Vertical | Pass    |

# Band: EGPRS850 Channel:MID range

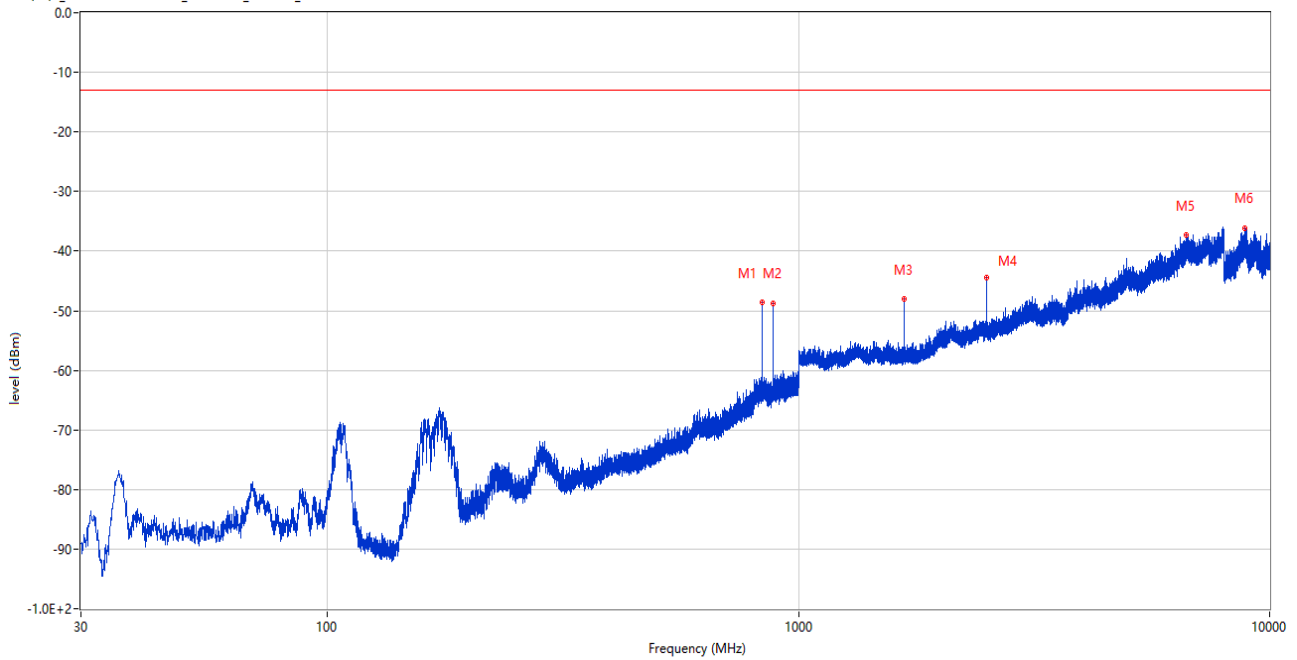
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 836.604         | -39.34       | 7.13        | -13.0       | 26.34       | 295.00    | Vertical | Vertical | N/A     |
| 881.612         | -48.86       | 6.75        | -13.0       | 35.86       | 166.00    | Vertical | Vertical | N/A     |
| 1674.300        | -47.05       | -3.62       | -13.0       | 34.05       | 235.00    | Vertical | Vertical | Pass    |
| 2510.700        | -41.42       | 1.48        | -13.0       | 28.42       | 185.00    | Vertical | Vertical | Pass    |
| 6676.500        | -37.07       | 16.78       | -13.0       | 24.07       | 218.00    | Vertical | Vertical | Pass    |
| 8922.800        | -36.27       | 19.60       | -13.0       | 23.27       | 131.00    | Vertical | Vertical | Pass    |

# Band: EGPRS850 Channel:MID range

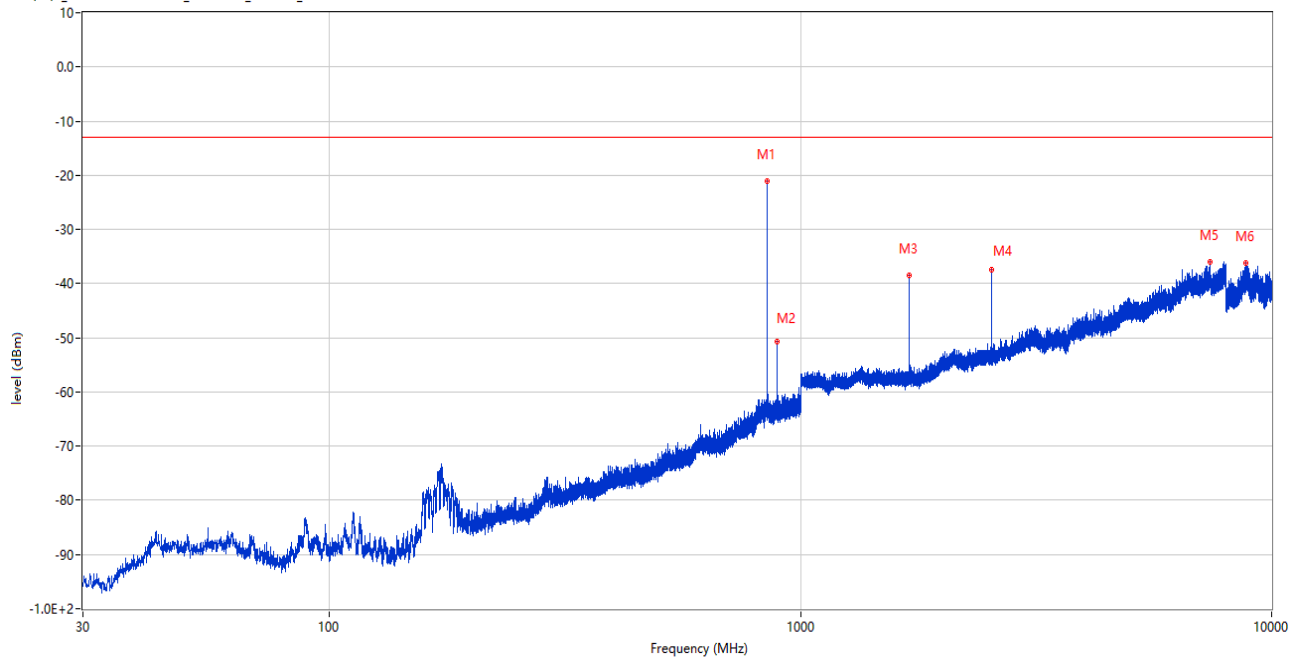
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 836.652         | -48.57       | 7.13        | -13.0       | 35.57       | 294.00    | Vertical | Horizontal | N/A     |
| 881.660         | -48.73       | 6.75        | -13.0       | 35.73       | 209.00    | Vertical | Horizontal | N/A     |
| 1674.100        | -48.08       | -3.61       | -13.0       | 35.08       | 292.00    | Vertical | Horizontal | Pass    |
| 2510.500        | -44.39       | 1.49        | -13.0       | 31.39       | 334.00    | Vertical | Horizontal | Pass    |
| 6651.750        | -37.37       | 16.10       | -13.0       | 24.37       | 218.00    | Vertical | Horizontal | Pass    |
| 8855.900        | -36.15       | 20.29       | -13.0       | 23.15       | 0.00      | Vertical | Horizontal | Pass    |

# Band: EGPRS850 Channel:HIGH range

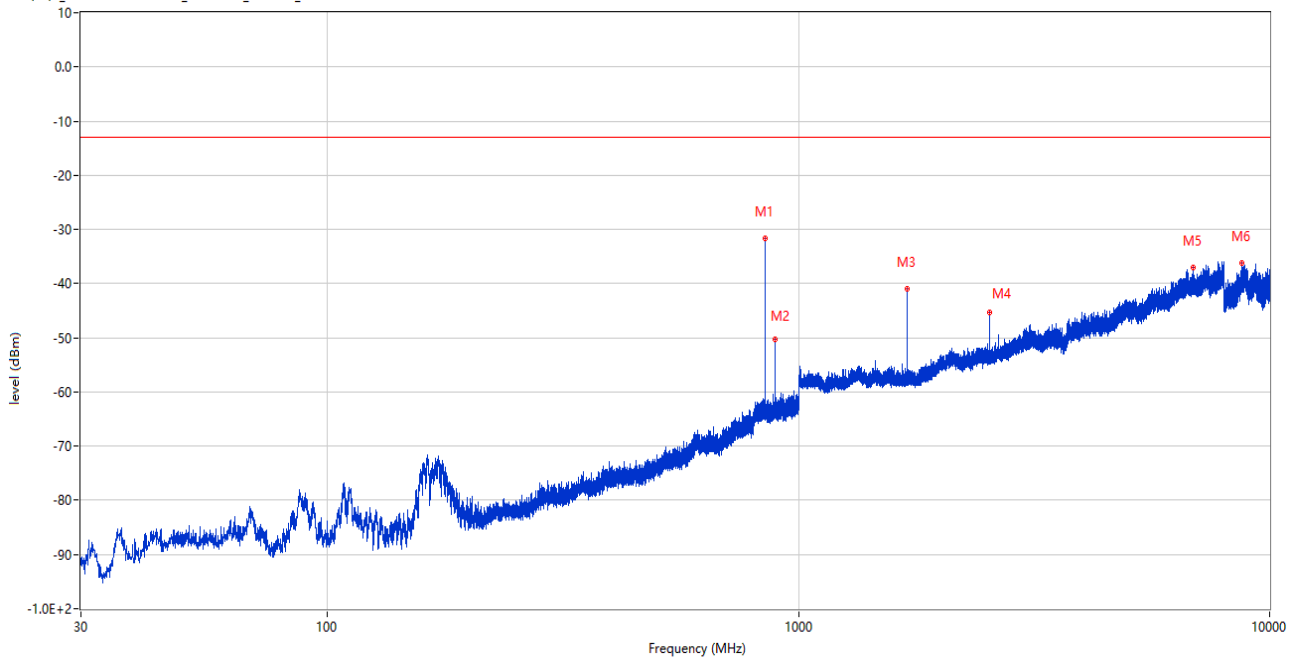
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 848.825         | -21.17       | 7.31        | -13.0       | 8.17        | 268.00    | Horizontal | Horizontal | N/A     |
| 893.882         | -50.79       | 6.88        | -13.0       | 37.79       | 346.00    | Horizontal | Horizontal | N/A     |
| 1698.400        | -38.43       | -3.59       | -13.0       | 25.43       | 176.00    | Horizontal | Horizontal | Pass    |
| 2547.300        | -37.45       | 1.52        | -13.0       | 24.45       | 238.00    | Horizontal | Horizontal | Pass    |
| 7416.000        | -35.97       | 18.15       | -13.0       | 22.97       | 138.00    | Horizontal | Horizontal | Pass    |
| 8795.201        | -36.13       | 19.47       | -13.0       | 23.13       | 269.00    | Horizontal | Horizontal | Pass    |

# Band: EGPRS850 Channel:HIGH range

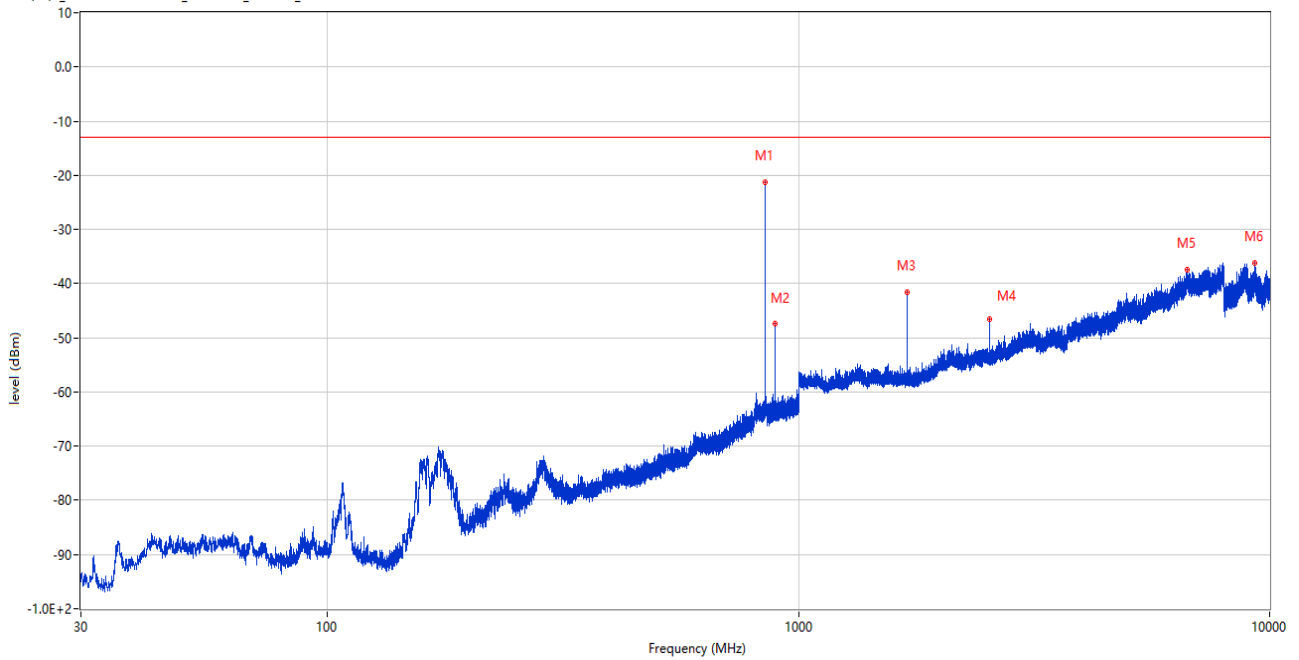
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 848.874         | -31.57       | 7.31        | -13.0       | 18.57       | 255.00    | Horizontal | Vertical | N/A     |
| 893.833         | -50.22       | 6.89        | -13.0       | 37.22       | 346.00    | Horizontal | Vertical | N/A     |
| 1698.600        | -40.90       | -3.61       | -13.0       | 27.90       | 190.00    | Horizontal | Vertical | Pass    |
| 2547.100        | -45.35       | 1.52        | -13.0       | 32.35       | 167.00    | Horizontal | Vertical | Pass    |
| 6875.000        | -37.05       | 16.26       | -13.0       | 24.05       | 138.00    | Horizontal | Vertical | Pass    |
| 8708.500        | -36.28       | 19.32       | -13.0       | 23.28       | 360.00    | Horizontal | Vertical | Pass    |

# Band: EGPRS850 Channel:HIGH range

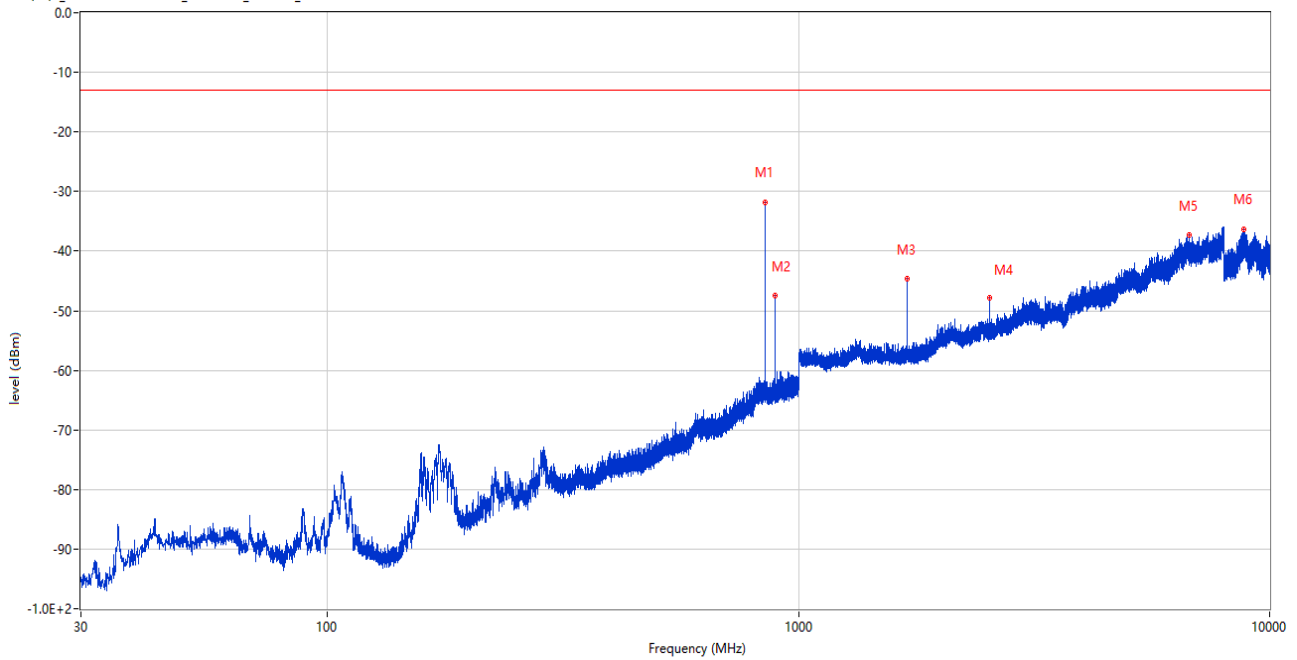
RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 848.874         | -21.32       | 7.31        | -13.0       | 8.32        | 180.00    | Vertical | Vertical | N/A     |
| 893.737         | -47.44       | 6.90        | -13.0       | 34.44       | 153.00    | Vertical | Vertical | N/A     |
| 1698.600        | -41.51       | -3.61       | -13.0       | 28.51       | 135.00    | Vertical | Vertical | Pass    |
| 2547.500        | -46.62       | 1.52        | -13.0       | 33.62       | 68.00     | Vertical | Vertical | Pass    |
| 6683.250        | -37.49       | 16.97       | -13.0       | 24.49       | 218.00    | Vertical | Vertical | Pass    |
| 9314.600        | -36.14       | 19.60       | -13.0       | 23.14       | 175.00    | Vertical | Vertical | Pass    |

# Band: EGPRS850 Channel:HIGH range

RSE (RF) \_FCC PART22&24&27\_GSM 850\_814-849\_30MHz-10GHz

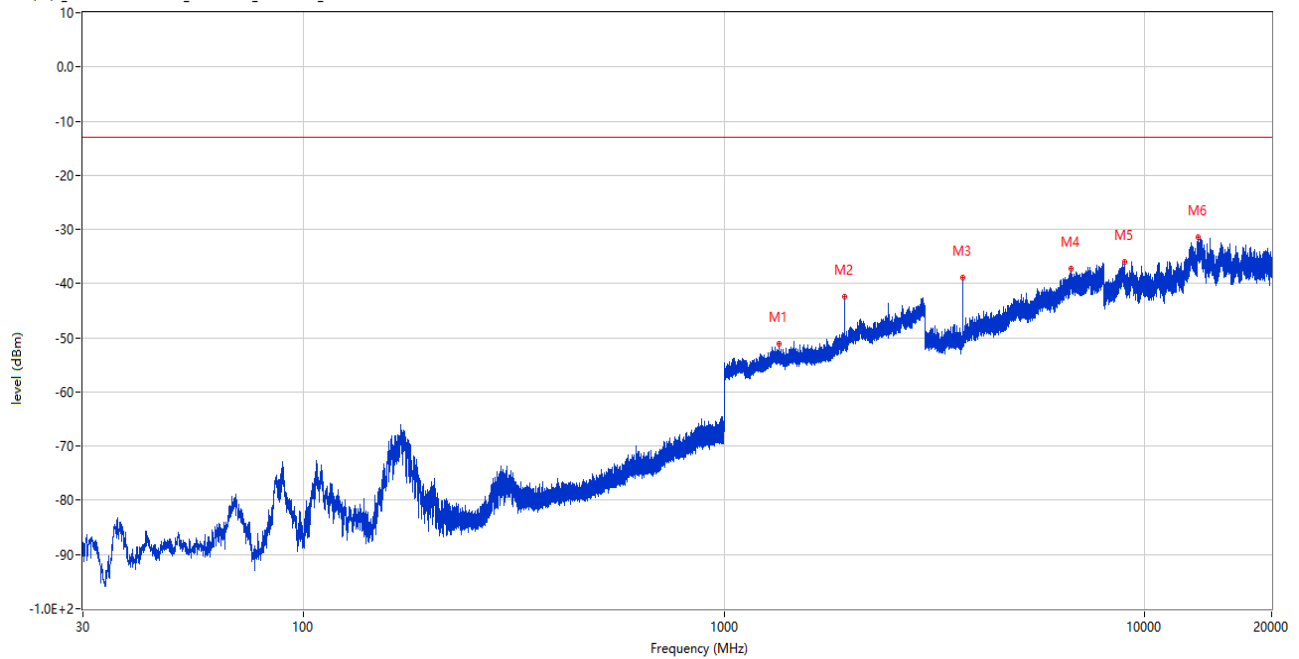


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 848.825         | -31.79       | 7.31        | -13.0       | 18.79       | 299.00    | Vertical | Horizontal | N/A     |
| 893.785         | -47.47       | 6.89        | -13.0       | 34.47       | 156.00    | Vertical | Horizontal | N/A     |
| 1698.400        | -44.70       | -3.59       | -13.0       | 31.70       | 287.00    | Vertical | Horizontal | Pass    |
| 2547.000        | -47.90       | 1.52        | -13.0       | 34.90       | 38.00     | Vertical | Horizontal | Pass    |
| 6741.250        | -37.38       | 15.96       | -13.0       | 24.38       | 59.00     | Vertical | Horizontal | Pass    |
| 8818.600        | -36.26       | 19.85       | -13.0       | 23.26       | 17.00     | Vertical | Horizontal | Pass    |

## 2.2 EGPRS 1900

Band: EGPRS1900 Channel:LOW range

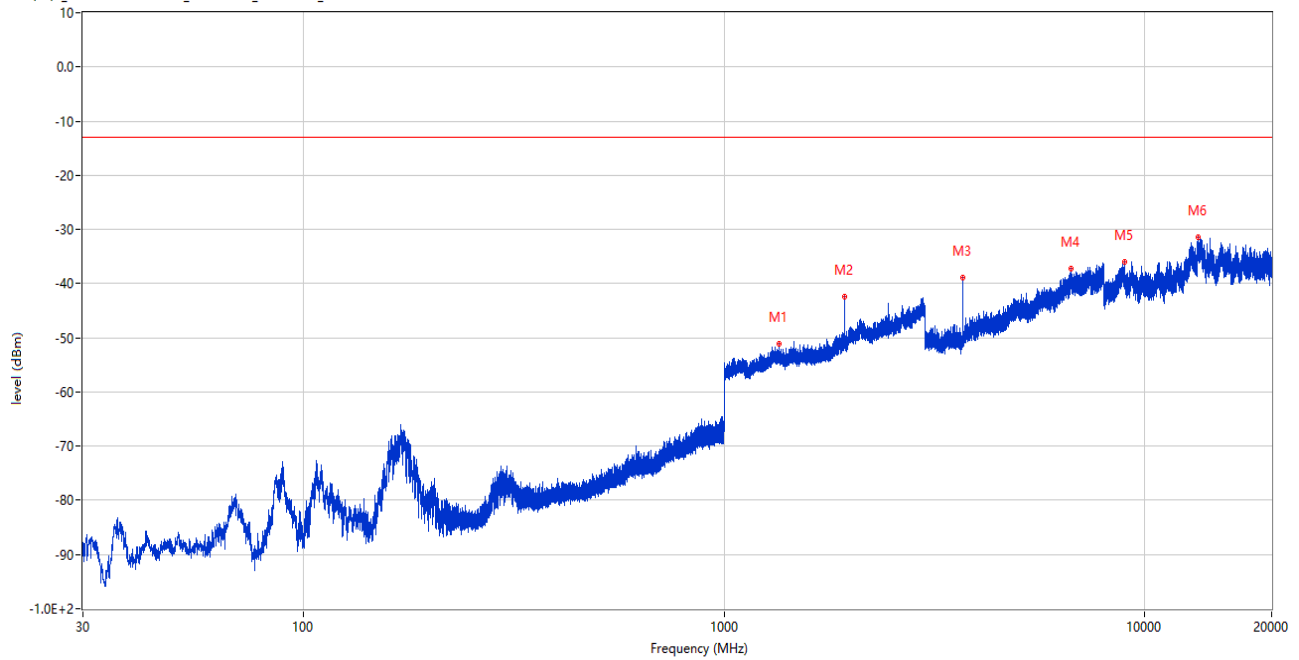
RSE (RF) \_FCC PART22&24&27\_GSM 1900 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1349.800        | -51.19       | 0.66        | -13.0       | 38.19       | 65.00     | Horizontal | Horizontal | Pass    |
| 1930.200        | -42.50       | 3.16        | -13.0       | 29.50       | 269.00    | Horizontal | Horizontal | N/A     |
| 3701.000        | -38.93       | 7.58        | -13.0       | 25.93       | 225.00    | Horizontal | Horizontal | Pass    |
| 6680.750        | -37.33       | 16.92       | -13.0       | 24.33       | 234.00    | Horizontal | Horizontal | Pass    |
| 8928.625        | -35.96       | 19.57       | -13.0       | 22.96       | 318.00    | Horizontal | Horizontal | Pass    |
| 13375.313       | -31.50       | 24.70       | -13.0       | 18.50       | 360.00    | Horizontal | Horizontal | Pass    |

Band: EGPRS1900 Channel:LOW range

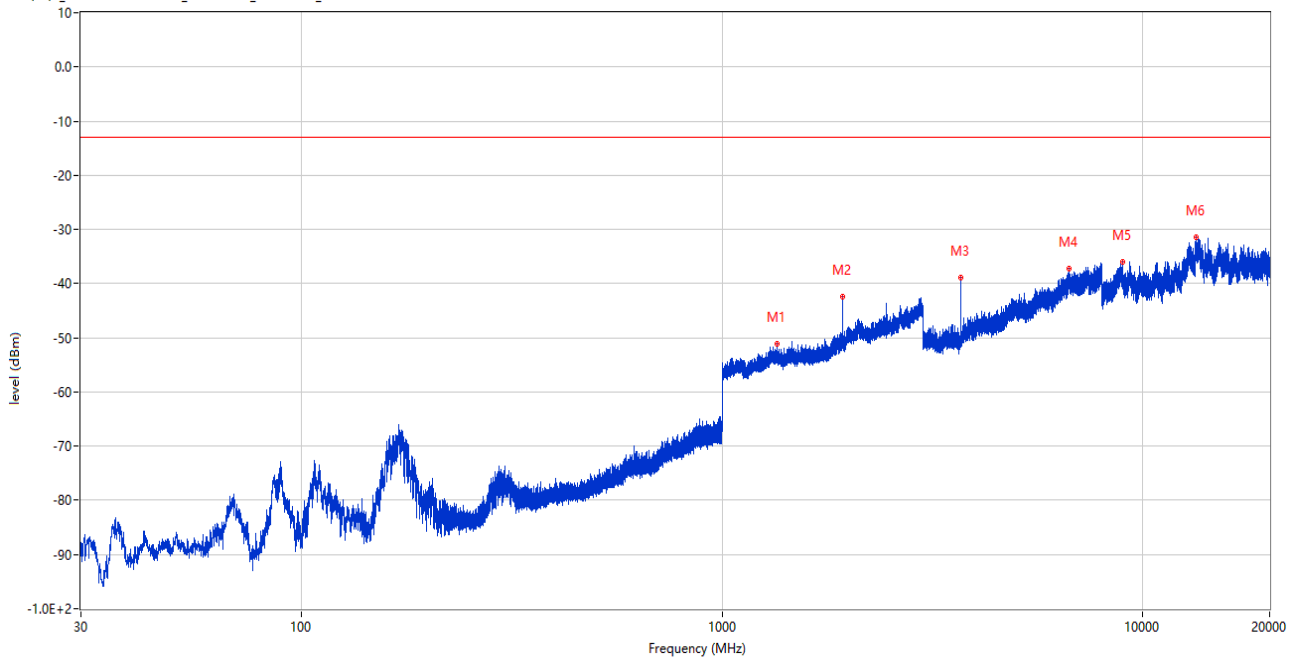
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1349.800        | -51.19       | 0.66        | -13.0       | 38.19       | 65.00     | Horizontal | Horizontal | Pass    |
| 1930.200        | -42.50       | 3.16        | -13.0       | 29.50       | 269.00    | Horizontal | Horizontal | N/A     |
| 3701.000        | -38.93       | 7.58        | -13.0       | 25.93       | 225.00    | Horizontal | Horizontal | Pass    |
| 6680.750        | -37.33       | 16.92       | -13.0       | 24.33       | 234.00    | Horizontal | Horizontal | Pass    |
| 8928.625        | -35.96       | 19.57       | -13.0       | 22.96       | 318.00    | Horizontal | Horizontal | Pass    |
| 13375.313       | -31.50       | 24.70       | -13.0       | 18.50       | 360.00    | Horizontal | Horizontal | Pass    |

Band: EGPRS1900 Channel:LOW range

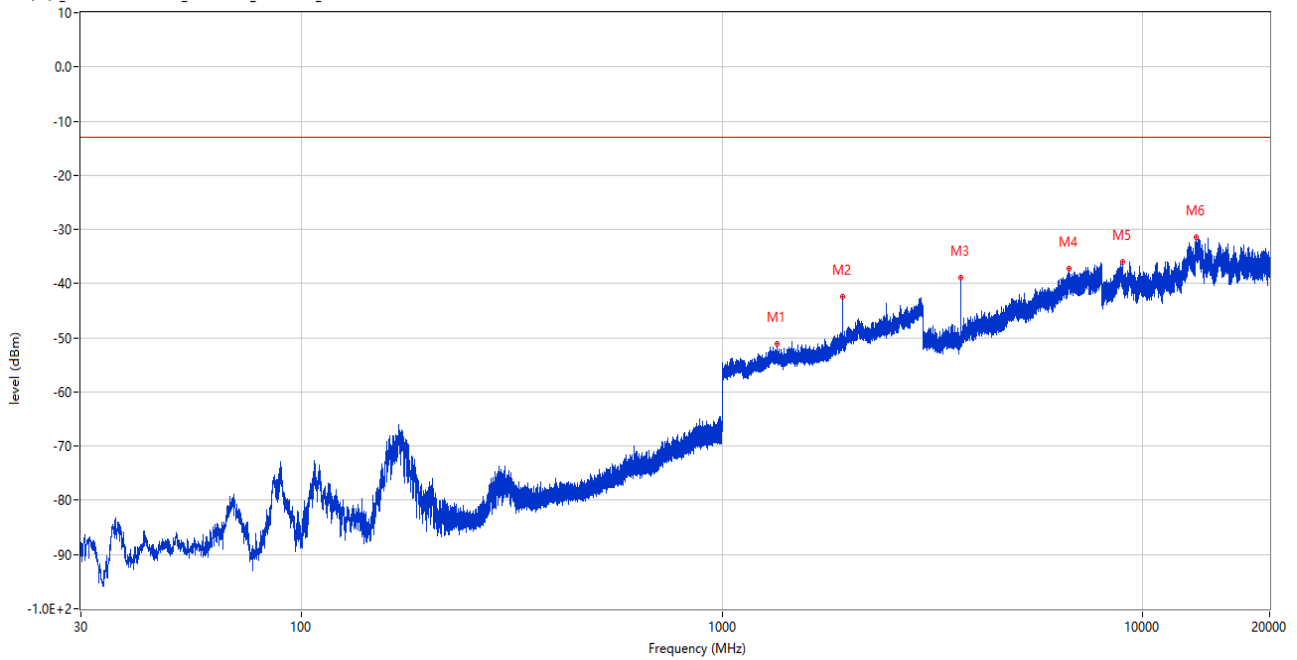
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1349.800        | -51.19       | 0.66        | -13.0       | 38.19       | 65.00     | Horizontal | Horizontal | Pass    |
| 1930.200        | -42.50       | 3.16        | -13.0       | 29.50       | 269.00    | Horizontal | Horizontal | N/A     |
| 3701.000        | -38.93       | 7.58        | -13.0       | 25.93       | 225.00    | Horizontal | Horizontal | Pass    |
| 6680.750        | -37.33       | 16.92       | -13.0       | 24.33       | 234.00    | Horizontal | Horizontal | Pass    |
| 8928.625        | -35.96       | 19.57       | -13.0       | 22.96       | 318.00    | Horizontal | Horizontal | Pass    |
| 13375.313       | -31.50       | 24.70       | -13.0       | 18.50       | 360.00    | Horizontal | Horizontal | Pass    |

Band: EGPRS1900 Channel:LOW range

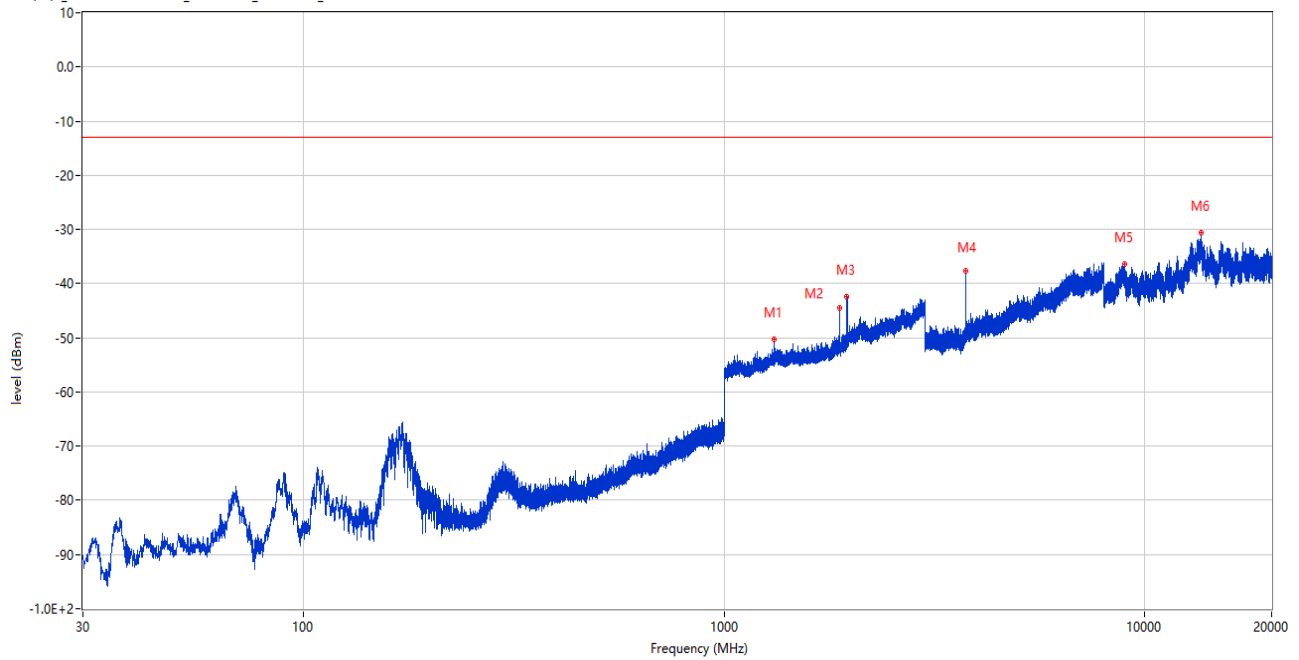
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1349.800        | -51.19       | 0.66        | -13.0       | 38.19       | 65.00     | Horizontal | Horizontal | Pass    |
| 1930.200        | -42.50       | 3.16        | -13.0       | 29.50       | 269.00    | Horizontal | Horizontal | N/A     |
| 3701.000        | -38.93       | 7.58        | -13.0       | 25.93       | 225.00    | Horizontal | Horizontal | Pass    |
| 6680.750        | -37.33       | 16.92       | -13.0       | 24.33       | 234.00    | Horizontal | Horizontal | Pass    |
| 8928.625        | -35.96       | 19.57       | -13.0       | 22.96       | 318.00    | Horizontal | Horizontal | Pass    |
| 13375.313       | -31.50       | 24.70       | -13.0       | 18.50       | 360.00    | Horizontal | Horizontal | Pass    |

# Band: EGPRS1900 Channel:MID range

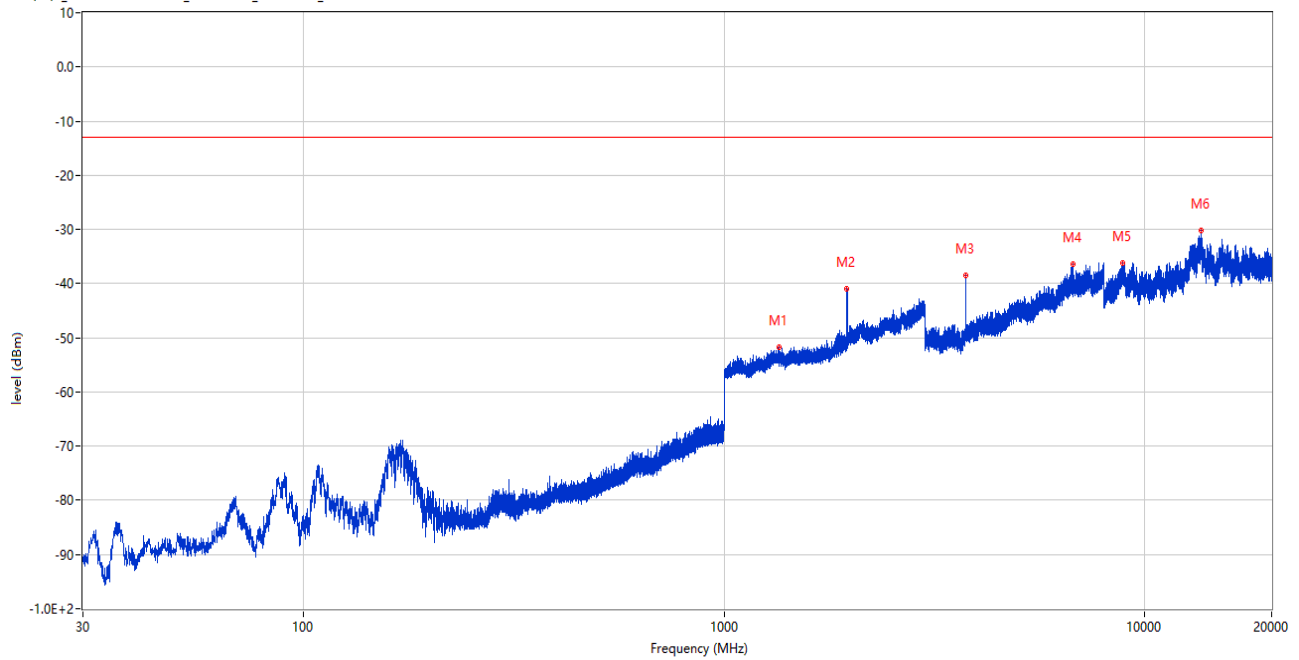
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1317.200        | -50.39       | 0.60        | -13.0       | 37.39       | 115.00    | Horizontal | Horizontal | Pass    |
| 1880.700        | -44.52       | 2.76        | -13.0       | 31.52       | 13.00     | Horizontal | Horizontal | N/A     |
| 1960.900        | -42.44       | 3.39        | -13.0       | 29.44       | 274.00    | Horizontal | Horizontal | N/A     |
| 3760.500        | -37.56       | 9.19        | -13.0       | 24.56       | 242.00    | Horizontal | Horizontal | Pass    |
| 8933.850        | -36.41       | 19.53       | -13.0       | 23.41       | 230.00    | Horizontal | Horizontal | Pass    |
| 13566.713       | -30.59       | 25.10       | -13.0       | 17.59       | 274.00    | Horizontal | Horizontal | Pass    |

# Band: EGPRS1900 Channel:MID range

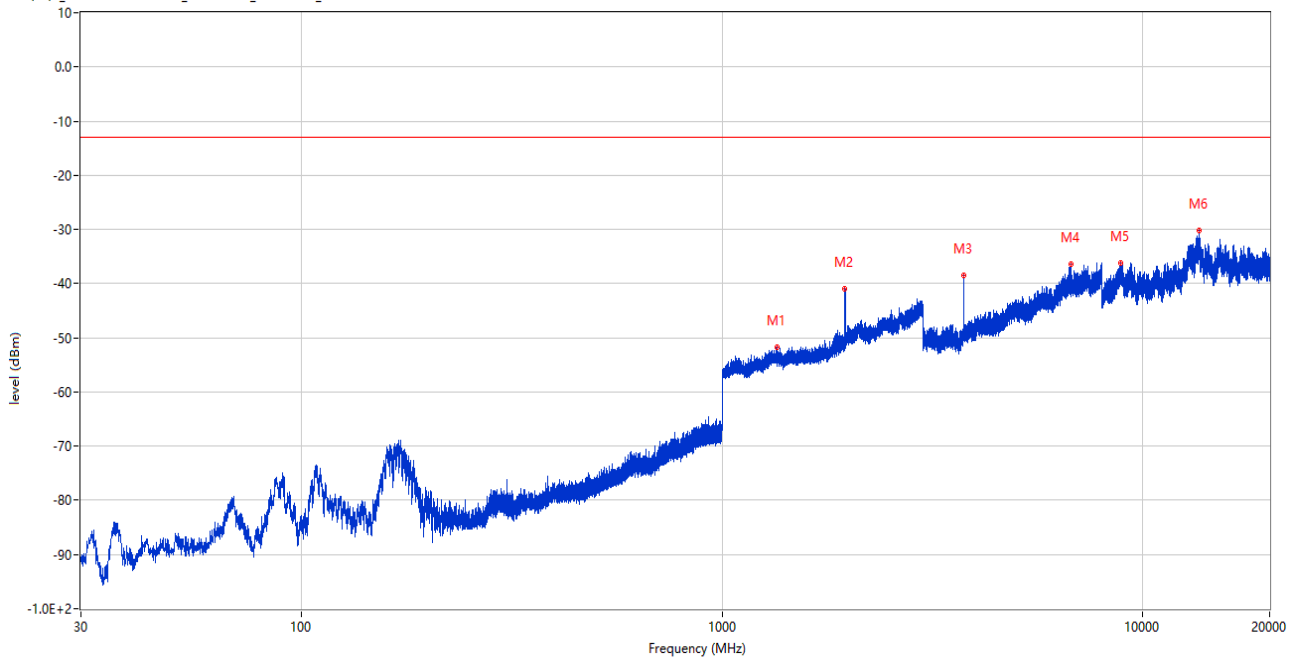
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 1352.100        | -51.81       | 0.59        | -13.0       | 38.81       | 103.00    | Horizontal | Vertical | Pass    |
| 1960.800        | -41.02       | 3.39        | -13.0       | 28.02       | 118.00    | Horizontal | Vertical | N/A     |
| 3760.500        | -38.48       | 9.19        | -13.0       | 25.48       | 152.00    | Horizontal | Vertical | Pass    |
| 6763.250        | -36.40       | 16.01       | -13.0       | 23.40       | 152.00    | Horizontal | Vertical | Pass    |
| 8855.000        | -36.30       | 20.30       | -13.0       | 23.30       | 307.00    | Horizontal | Vertical | Pass    |
| 13588.463       | -30.26       | 24.95       | -13.0       | 17.26       | 204.00    | Horizontal | Vertical | Pass    |

# Band: EGPRS1900 Channel:MID range

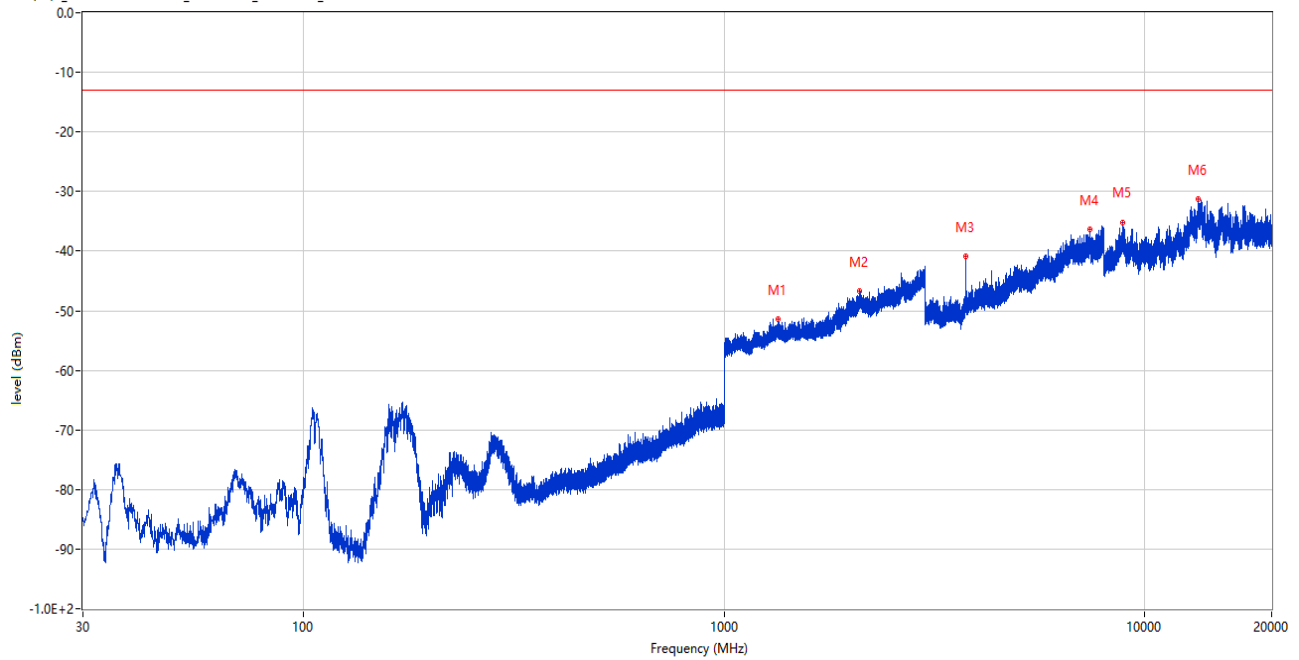
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 1352.100        | -51.81       | 0.59        | -13.0       | 38.81       | 103.00    | Horizontal | Vertical | Pass    |
| 1960.800        | -41.02       | 3.39        | -13.0       | 28.02       | 118.00    | Horizontal | Vertical | N/A     |
| 3760.500        | -38.48       | 9.19        | -13.0       | 25.48       | 152.00    | Horizontal | Vertical | Pass    |
| 6763.250        | -36.40       | 16.01       | -13.0       | 23.40       | 152.00    | Horizontal | Vertical | Pass    |
| 8855.000        | -36.30       | 20.30       | -13.0       | 23.30       | 307.00    | Horizontal | Vertical | Pass    |
| 13588.463       | -30.26       | 24.95       | -13.0       | 17.26       | 204.00    | Horizontal | Vertical | Pass    |

# Band: EGPRS1900 Channel:MID range

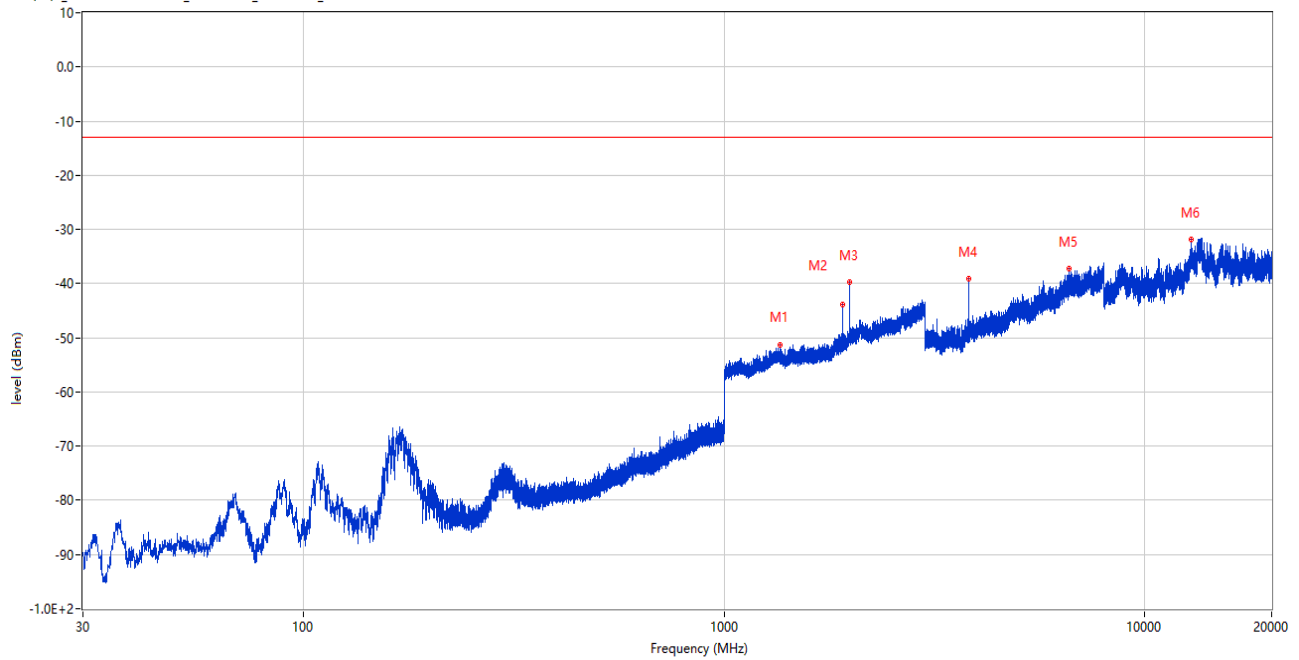
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 1346.900        | -51.44       | 0.79        | -13.0       | 38.44       | 360.00    | Vertical | Horizontal | Pass    |
| 2096.600        | -46.79       | 5.44        | -13.0       | 33.79       | 348.00    | Vertical | Horizontal | Pass    |
| 3760.500        | -40.89       | 9.19        | -13.0       | 27.89       | 355.00    | Vertical | Horizontal | Pass    |
| 7390.250        | -36.40       | 17.70       | -13.0       | 23.40       | 46.00     | Vertical | Horizontal | Pass    |
| 8846.925        | -35.14       | 20.31       | -13.0       | 22.14       | 198.00    | Vertical | Horizontal | Pass    |
| 13405.763       | -31.29       | 24.81       | -13.0       | 18.29       | 360.00    | Vertical | Horizontal | Pass    |

# Band: EGPRS1900 Channel:HIGH range

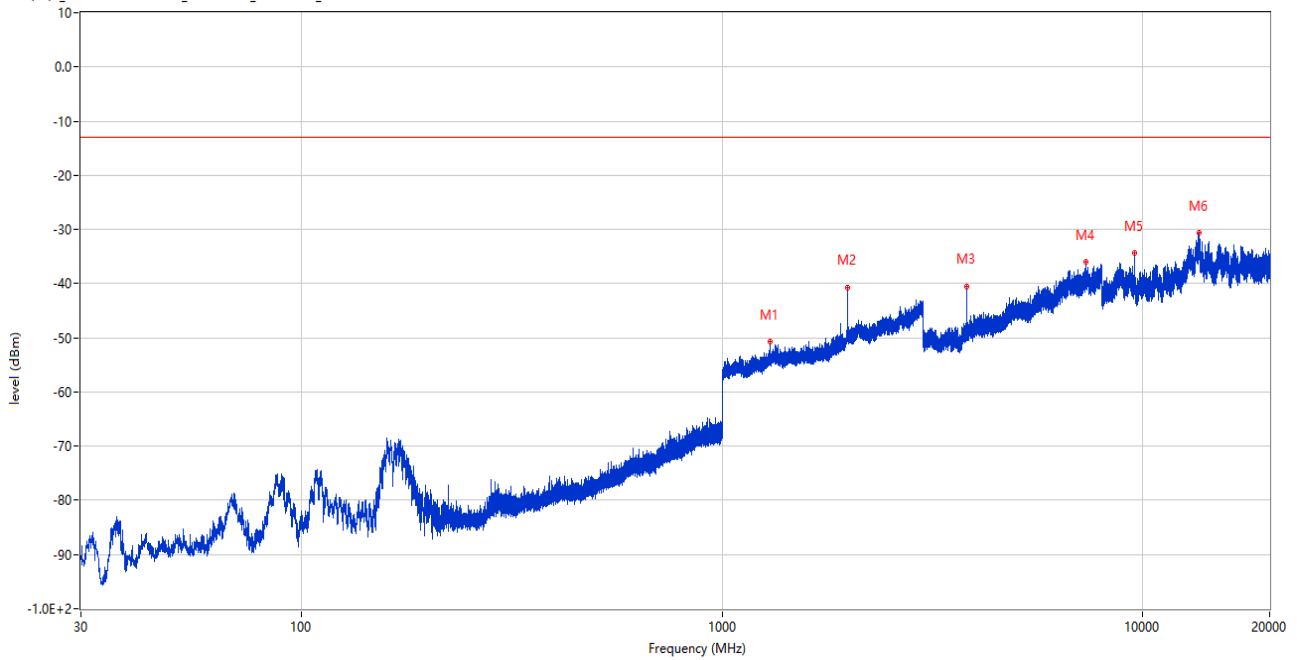
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1361.800        | -51.23       | 0.58        | -13.0       | 38.23       | 217.00    | Horizontal | Horizontal | Pass    |
| 1910.500        | -43.88       | 3.10        | -13.0       | 30.88       | 357.00    | Horizontal | Horizontal | N/A     |
| 1990.800        | -39.68       | 4.53        | -13.0       | 26.68       | 268.00    | Horizontal | Horizontal | N/A     |
| 3820.250        | -39.14       | 9.03        | -13.0       | 26.14       | 275.00    | Horizontal | Horizontal | Pass    |
| 6617.750        | -37.33       | 16.05       | -13.0       | 24.33       | 316.00    | Horizontal | Horizontal | Pass    |
| 12905.513       | -31.91       | 23.58       | -13.0       | 18.91       | 299.00    | Horizontal | Horizontal | Pass    |

# Band: EGPRS1900 Channel:HIGH range

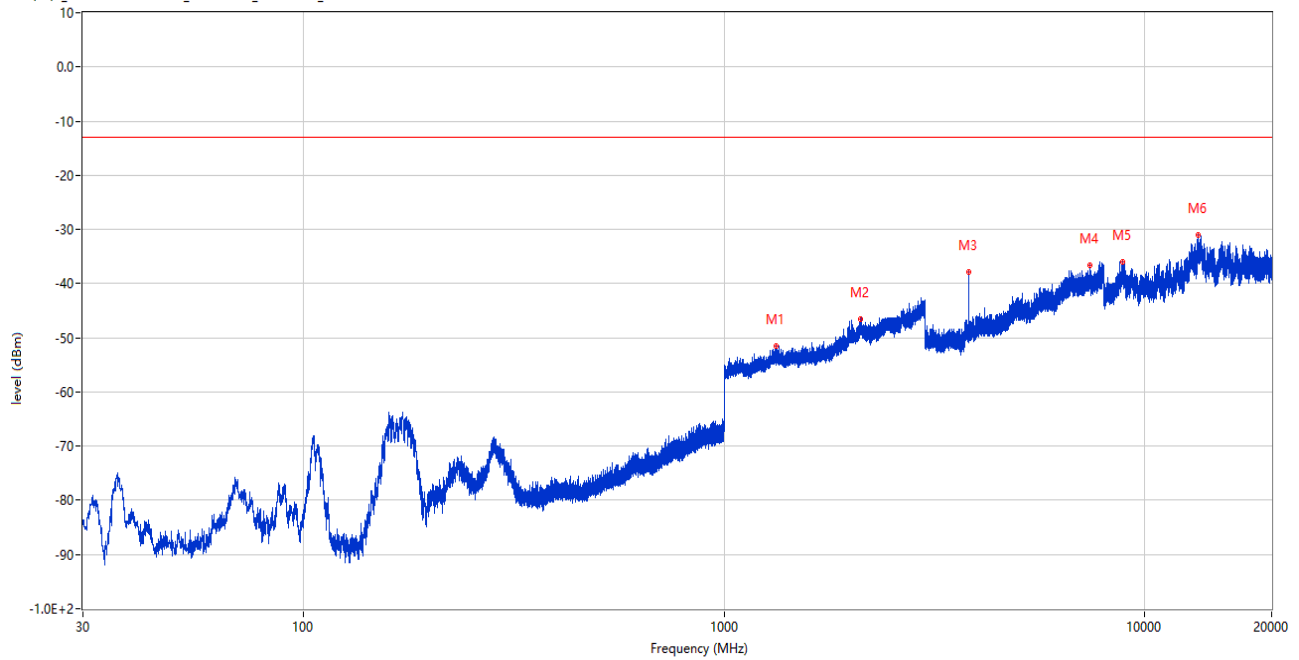
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 1304.600        | -50.77       | 0.74        | -13.0       | 37.77       | 185.00    | Horizontal | Vertical | Pass    |
| 1990.600        | -40.66       | 4.55        | -13.0       | 27.66       | 278.00    | Horizontal | Vertical | N/A     |
| 3820.250        | -40.46       | 9.03        | -13.0       | 27.46       | 137.00    | Horizontal | Vertical | Pass    |
| 7333.250        | -35.94       | 17.19       | -13.0       | 22.94       | 225.00    | Horizontal | Vertical | Pass    |
| 9549.450        | -34.40       | 18.17       | -13.0       | 21.40       | 199.00    | Horizontal | Vertical | Pass    |
| 13634.500       | -30.70       | 24.84       | -13.0       | 17.70       | 18.00     | Horizontal | Vertical | Pass    |

# Band: EGPRS1900 Channel:HIGH range

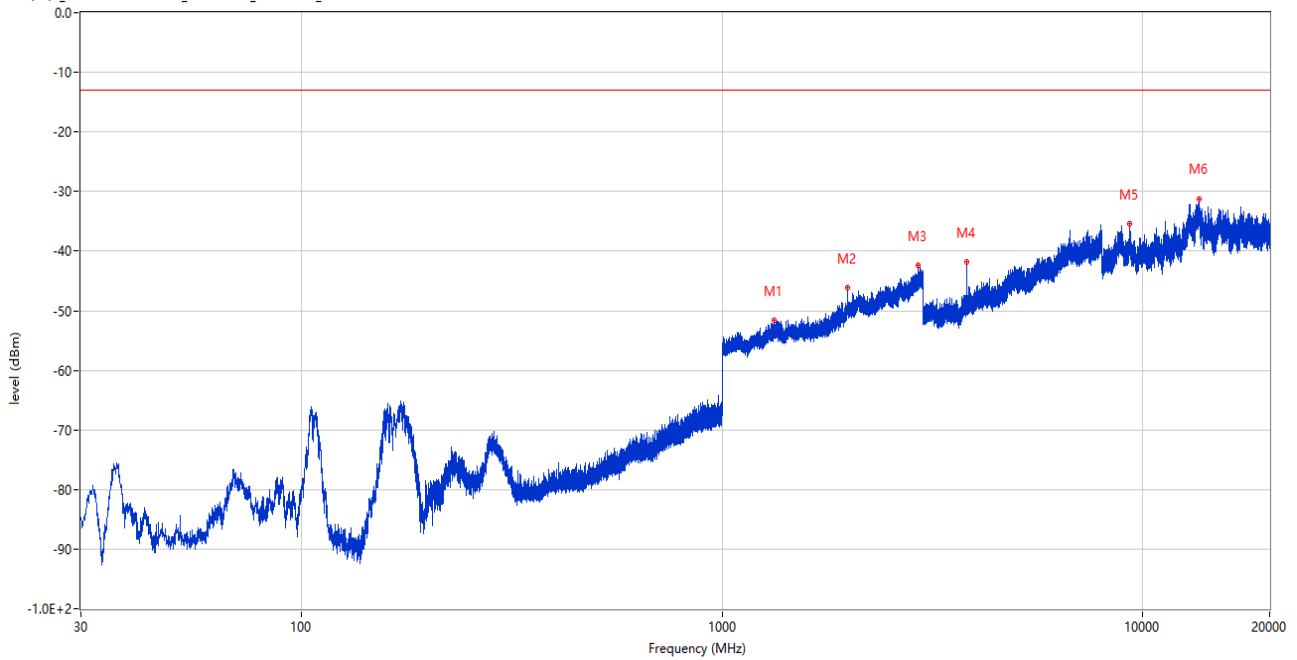
RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 1329.400        | -51.47       | 0.71        | -13.0       | 38.47       | 195.00    | Vertical | Vertical | Pass    |
| 2114.900        | -46.51       | 5.56        | -13.0       | 33.51       | 279.00    | Vertical | Vertical | Pass    |
| 3820.000        | -37.92       | 9.05        | -13.0       | 24.92       | 347.00    | Vertical | Vertical | Pass    |
| 7383.750        | -36.70       | 17.57       | -13.0       | 23.70       | 79.00     | Vertical | Vertical | Pass    |
| 8860.701        | -36.05       | 20.23       | -13.0       | 23.05       | 141.00    | Vertical | Vertical | Pass    |
| 13407.938       | -30.92       | 24.80       | -13.0       | 17.92       | 251.00    | Vertical | Vertical | Pass    |

Band: EGPRS1900 Channel:HIGH range

RSE (RF) \_FCC PART22&24&27\_GSM 1900\_1830-1920\_30MHz-20GHz



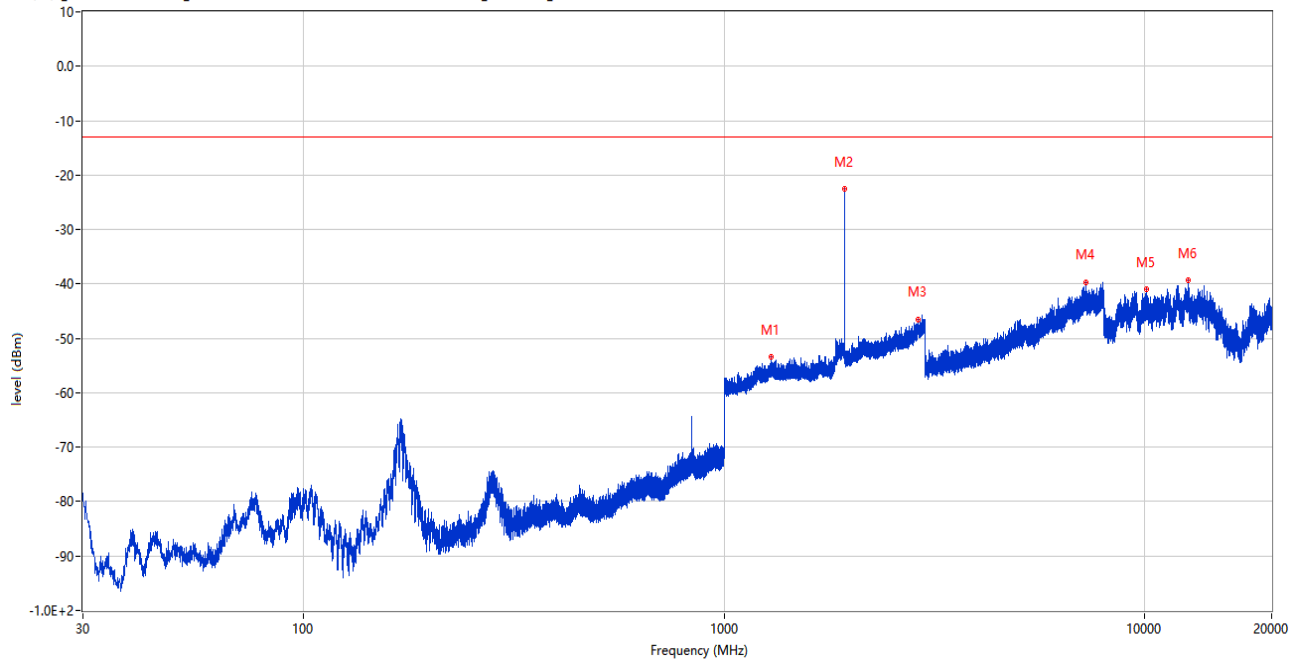
| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 1327.000        | -51.64       | 0.69        | -13.0       | 38.64       | 269.00    | Vertical | Horizontal | Pass    |
| 1990.900        | -46.18       | 4.51        | -13.0       | 33.18       | 162.00    | Vertical | Horizontal | N/A     |
| 2919.300        | -42.46       | 11.21       | -13.0       | 29.46       | 343.00    | Vertical | Horizontal | Pass    |
| 3820.250        | -41.90       | 9.03        | -13.0       | 28.90       | 81.00     | Vertical | Horizontal | Pass    |
| 9300.076        | -35.48       | 19.80       | -13.0       | 22.48       | 256.00    | Vertical | Horizontal | Pass    |
| 13628.338       | -31.25       | 24.85       | -13.0       | 18.25       | 2.00      | Vertical | Horizontal | Pass    |

### 3. WCDMA

#### 3.1 WCDMA Band 2

Band:WCDMA B2 Channel:LOW range

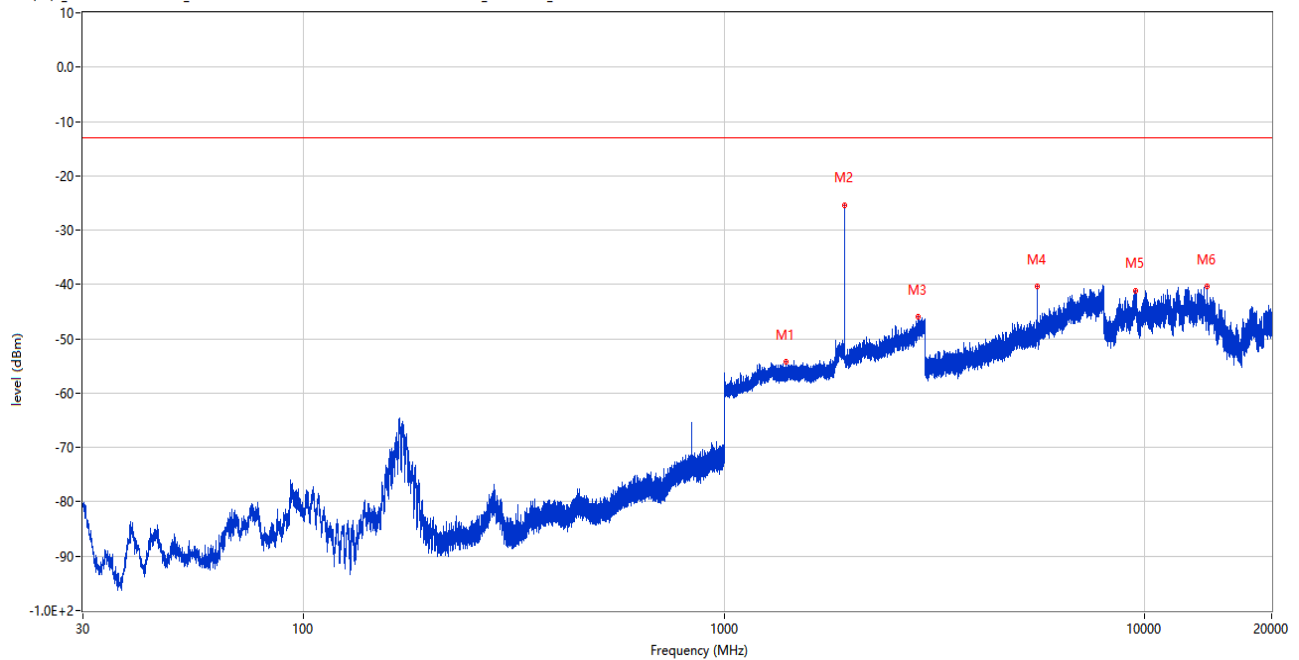
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1291.600        | -53.44       | -1.07       | -13.0       | 40.44       | 124.00    | Horizontal | Horizontal | Pass    |
| 1934.400        | -22.55       | 1.79        | -13.0       | 9.55        | 248.00    | Horizontal | Horizontal | N/A     |
| 2892.200        | -46.48       | 9.65        | -13.0       | 33.48       | 119.00    | Horizontal | Horizontal | Pass    |
| 7235.000        | -39.63       | 14.76       | -13.0       | 26.63       | 278.00    | Horizontal | Horizontal | Pass    |
| 10061.263       | -40.90       | 13.81       | -13.0       | 27.90       | 37.00     | Horizontal | Horizontal | Pass    |
| 12668.537       | -39.38       | 14.40       | -13.0       | 26.38       | 78.00     | Horizontal | Horizontal | Pass    |

## Band:WCDMA B2 Channel:LOW range

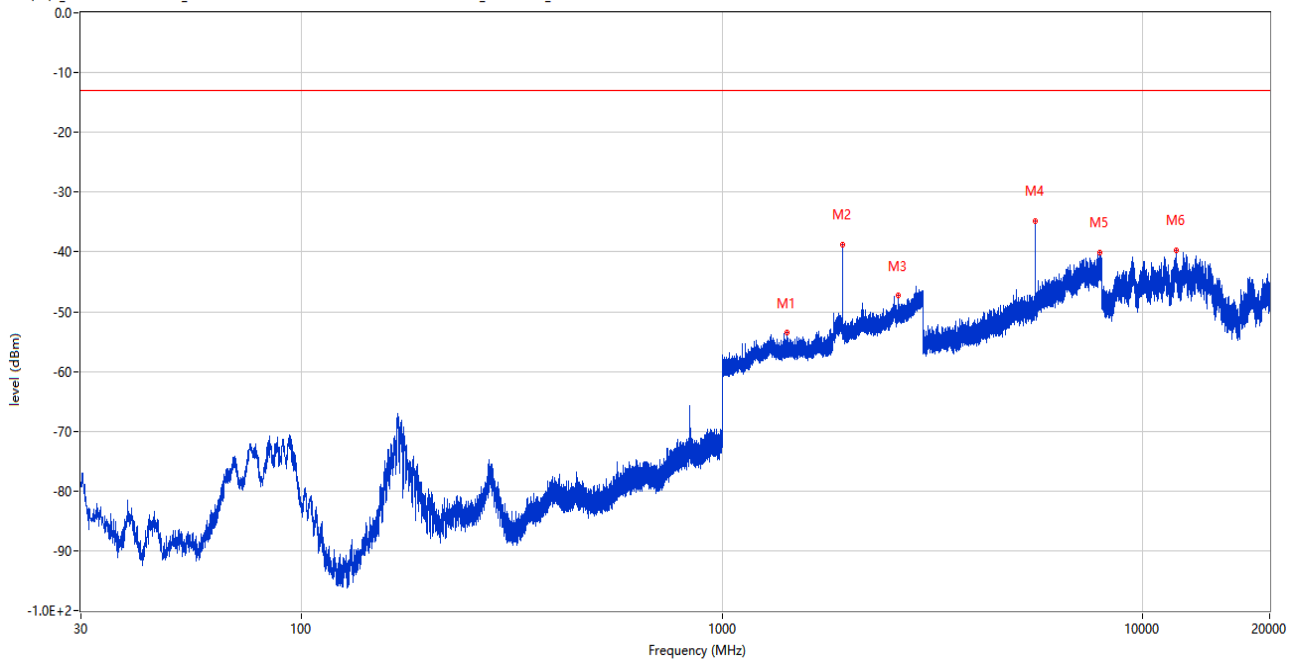
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 1404.800        | -54.17       | -1.68       | -13.0       | 41.17       | 0.00      | Horizontal | Vertical | Pass    |
| 1934.700        | -25.33       | 1.73        | -13.0       | 12.33       | 237.00    | Horizontal | Vertical | N/A     |
| 2888.500        | -46.03       | 9.17        | -13.0       | 33.03       | 169.00    | Horizontal | Vertical | Pass    |
| 5554.500        | -40.42       | 9.56        | -13.0       | 27.42       | 298.00    | Horizontal | Vertical | Pass    |
| 9507.174        | -41.21       | 12.81       | -13.0       | 28.21       | 72.00     | Horizontal | Vertical | Pass    |
| 14036.513       | -40.38       | 16.88       | -13.0       | 27.38       | 360.00    | Horizontal | Vertical | Pass    |

## Band:WCDMA B2 Channel:LOW range

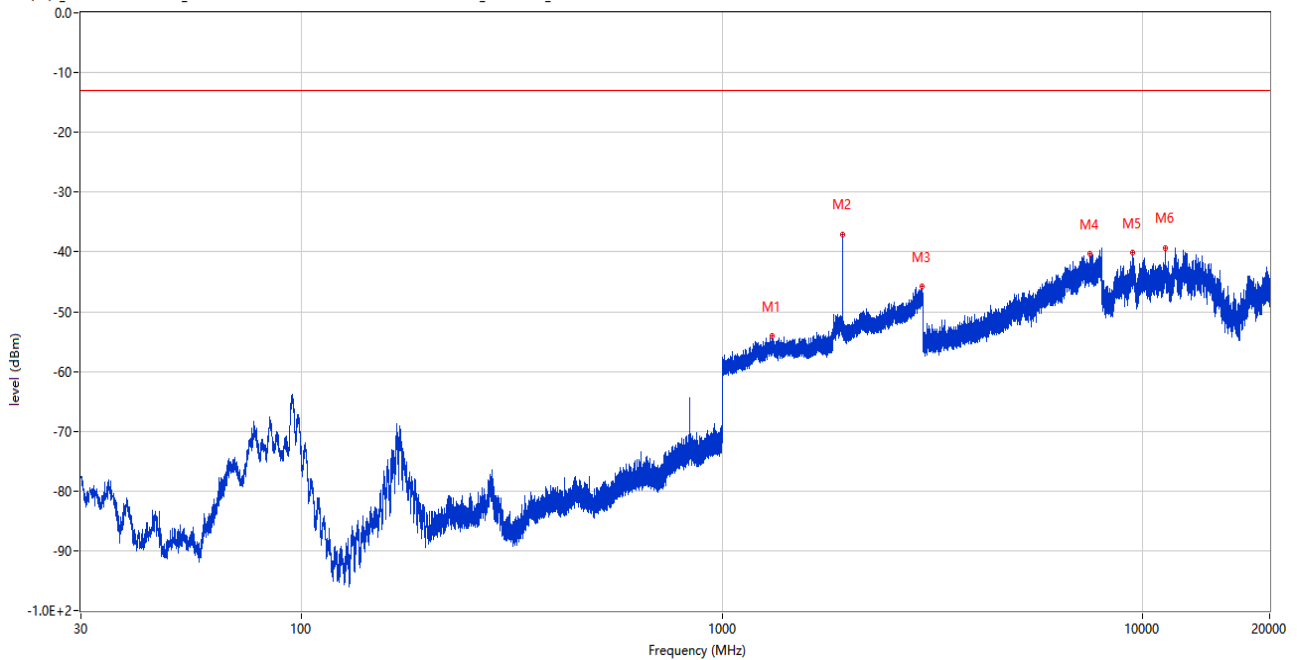
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 1429.500        | -53.52       | -1.45       | -13.0       | 40.52       | 323.00    | Vertical | Vertical | Pass    |
| 1934.100        | -38.79       | 1.84        | -13.0       | 25.79       | 129.00    | Vertical | Vertical | N/A     |
| 2627.800        | -47.36       | 5.46        | -13.0       | 34.36       | 158.00    | Vertical | Vertical | Pass    |
| 5553.750        | -34.85       | 9.62        | -13.0       | 21.85       | 356.00    | Vertical | Vertical | Pass    |
| 7919.750        | -40.02       | 14.94       | -13.0       | 27.02       | 73.00     | Vertical | Vertical | Pass    |
| 11995.463       | -39.69       | 14.01       | -13.0       | 26.69       | 222.00    | Vertical | Vertical | Pass    |

## Band:WCDMA B2 Channel:LOW range

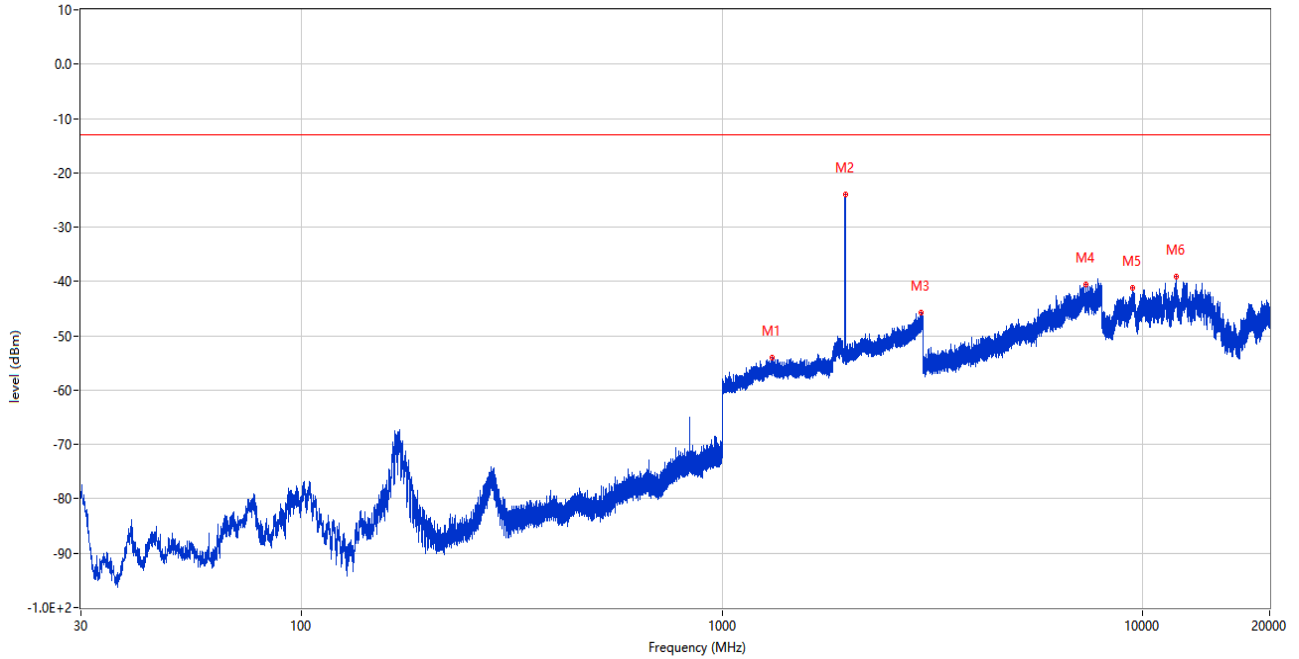
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 1314.300        | -54.10       | -1.11       | -13.0       | 41.10       | 283.00    | Vertical | Horizontal | Pass    |
| 1932.300        | -37.03       | 2.05        | -13.0       | 24.03       | 160.00    | Vertical | Horizontal | N/A     |
| 2986.000        | -45.84       | 9.21        | -13.0       | 32.84       | 149.00    | Vertical | Horizontal | Pass    |
| 7470.250        | -40.38       | 14.62       | -13.0       | 27.38       | 312.00    | Vertical | Horizontal | Pass    |
| 9448.275        | -40.13       | 13.77       | -13.0       | 27.13       | 30.00     | Vertical | Horizontal | Pass    |
| 11288.424       | -39.32       | 14.02       | -13.0       | 26.32       | 75.00     | Vertical | Horizontal | Pass    |

## Band:WCDMA B2 Channel:MID range

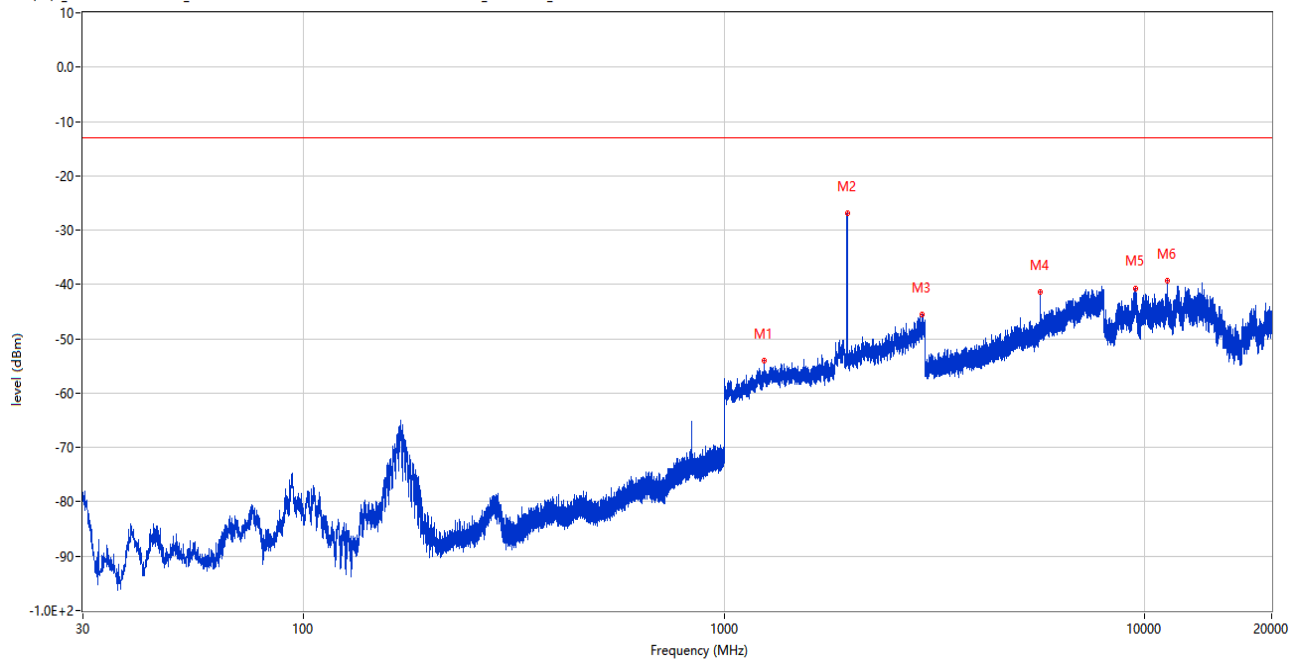
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1318.900        | -54.02       | -1.25       | -13.0       | 41.02       | 308.00    | Horizontal | Horizontal | Pass    |
| 1962.000        | -23.98       | 1.03        | -13.0       | 10.98       | 239.00    | Horizontal | Horizontal | N/A     |
| 2965.400        | -45.68       | 9.25        | -13.0       | 32.68       | 34.00     | Horizontal | Horizontal | Pass    |
| 7301.750        | -40.53       | 14.02       | -13.0       | 27.53       | 219.00    | Horizontal | Horizontal | Pass    |
| 9439.250        | -41.11       | 13.69       | -13.0       | 28.11       | 76.00     | Horizontal | Horizontal | Pass    |
| 11980.738       | -39.12       | 14.02       | -13.0       | 26.12       | 325.00    | Horizontal | Horizontal | Pass    |

## Band:WCDMA B2 Channel:MID range

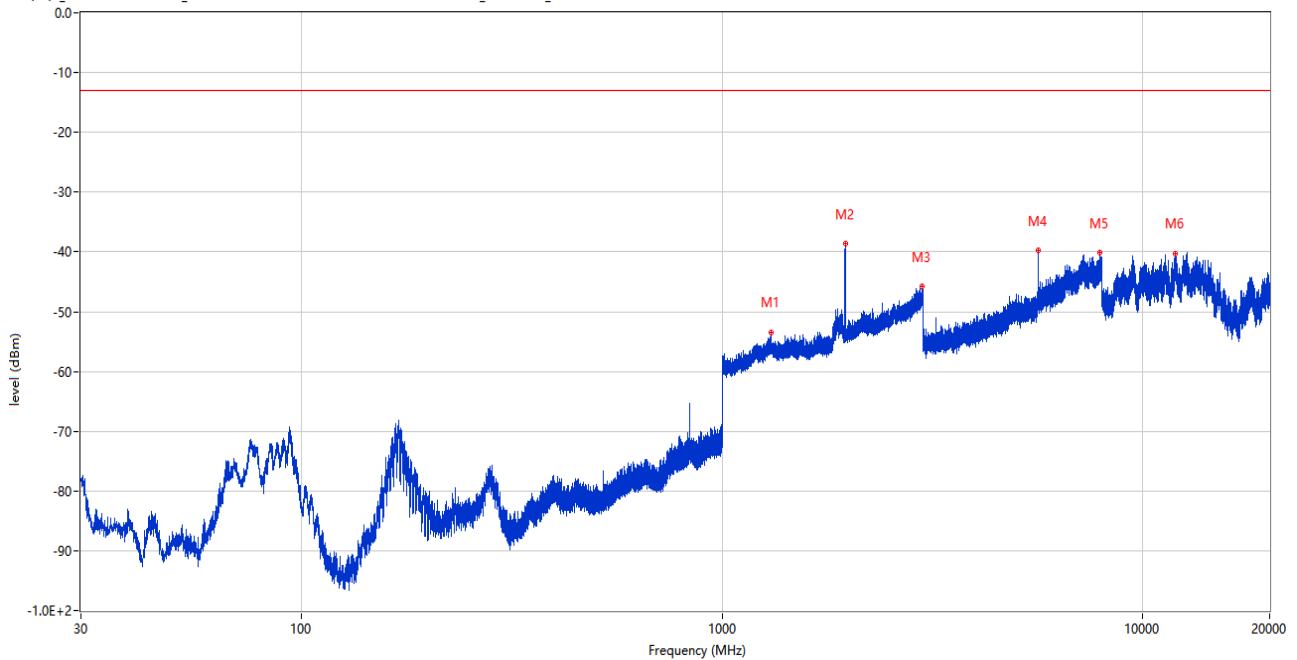
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 1245.900        | -54.03       | -1.89       | -13.0       | 41.03       | 45.00     | Horizontal | Vertical | Pass    |
| 1961.700        | -26.89       | 1.01        | -13.0       | 13.89       | 220.00    | Horizontal | Vertical | N/A     |
| 2958.600        | -45.50       | 8.76        | -13.0       | 32.50       | 358.00    | Horizontal | Vertical | Pass    |
| 5636.750        | -41.35       | 10.12       | -13.0       | 28.35       | 183.00    | Horizontal | Vertical | Pass    |
| 9495.775        | -40.68       | 12.81       | -13.0       | 27.68       | 296.00    | Horizontal | Vertical | Pass    |
| 11283.438       | -39.37       | 13.94       | -13.0       | 26.37       | 175.00    | Horizontal | Vertical | Pass    |

## Band:WCDMA B2 Channel:MID range

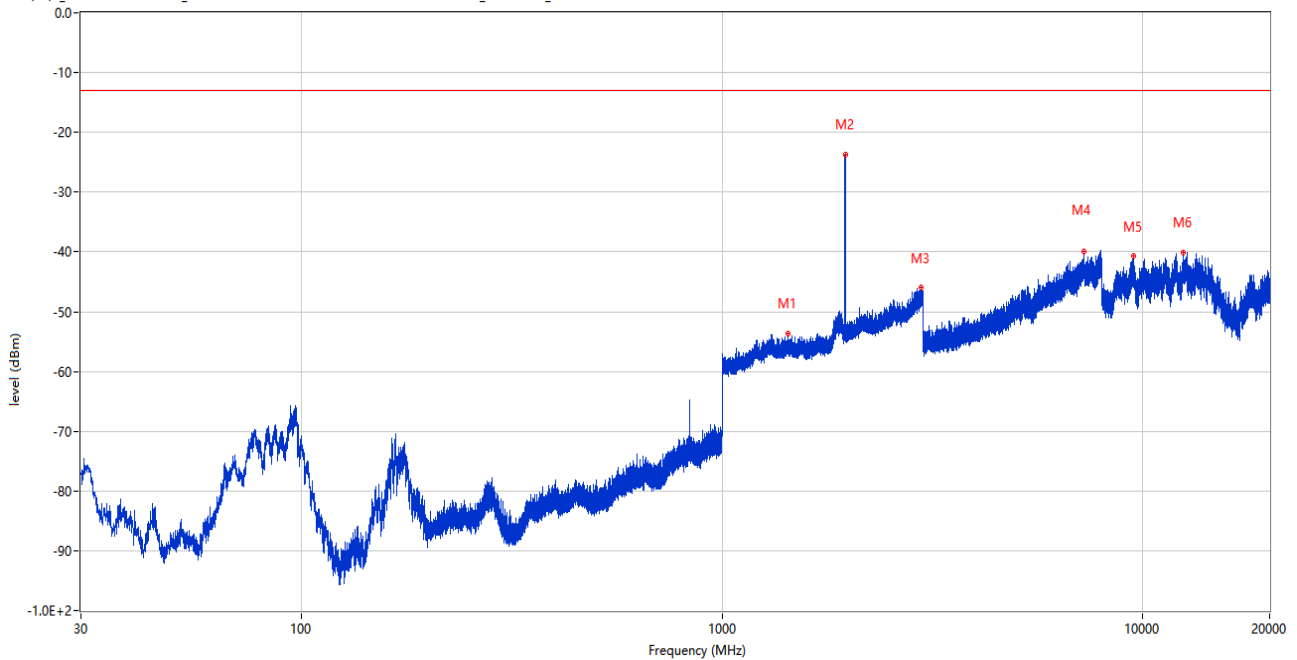
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 1306.600        | -53.42       | -0.88       | -13.0       | 40.42       | 338.00    | Vertical | Vertical | Pass    |
| 1962.000        | -38.67       | 1.03        | -13.0       | 25.67       | 15.00     | Vertical | Vertical | N/A     |
| 2982.600        | -45.77       | 9.20        | -13.0       | 32.77       | 301.00    | Vertical | Vertical | Pass    |
| 5640.750        | -39.81       | 9.93        | -13.0       | 26.81       | 346.00    | Vertical | Vertical | Pass    |
| 7898.250        | -40.13       | 14.86       | -13.0       | 27.13       | 60.00     | Vertical | Vertical | Pass    |
| 11964.349       | -40.29       | 14.03       | -13.0       | 27.29       | 293.00    | Vertical | Vertical | Pass    |

## Band:WCDMA B2 Channel:MID range

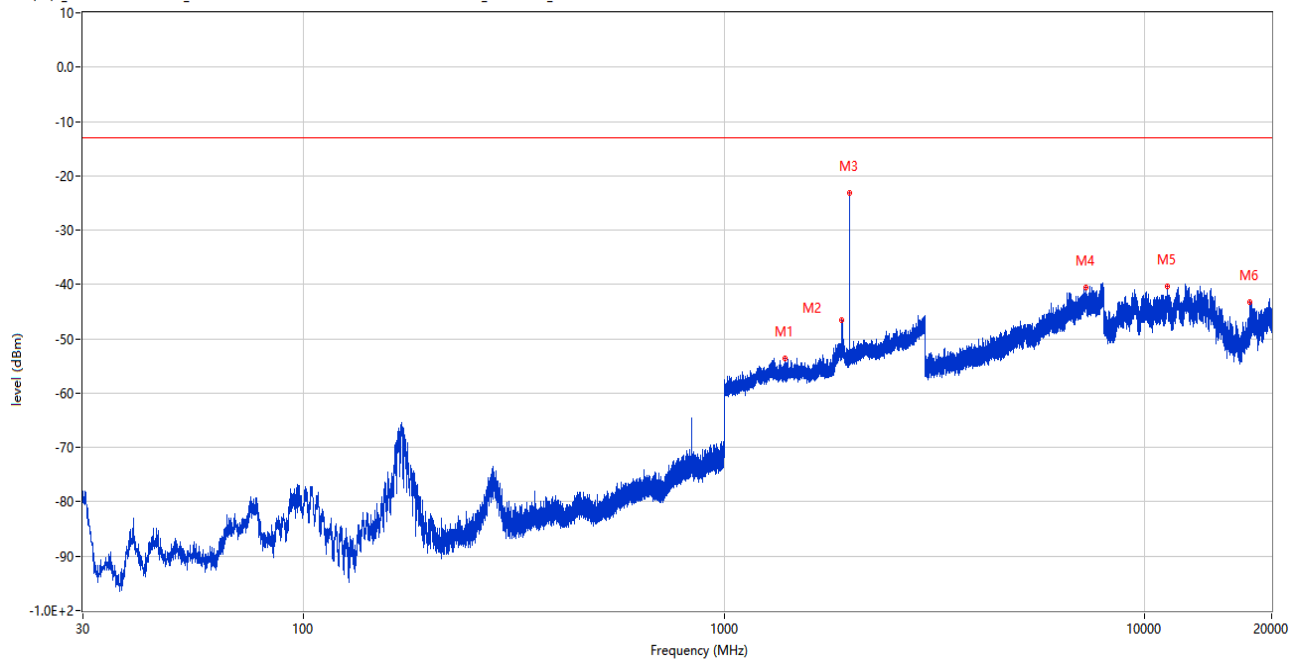
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 1438.100        | -53.66       | -1.51       | -13.0       | 40.66       | 169.00    | Vertical | Horizontal | Pass    |
| 1961.300        | -23.71       | 0.98        | -13.0       | 10.71       | 246.00    | Vertical | Horizontal | N/A     |
| 2976.500        | -45.97       | 8.96        | -13.0       | 32.97       | 1.00      | Vertical | Horizontal | Pass    |
| 7234.500        | -39.85       | 14.79       | -13.0       | 26.85       | 266.00    | Vertical | Horizontal | Pass    |
| 9515.487        | -40.77       | 12.91       | -13.0       | 27.77       | 236.00    | Vertical | Horizontal | Pass    |
| 12493.025       | -40.03       | 14.53       | -13.0       | 27.03       | 81.00     | Vertical | Horizontal | Pass    |

## Band:WCDMA B2 Channel:HIGH range

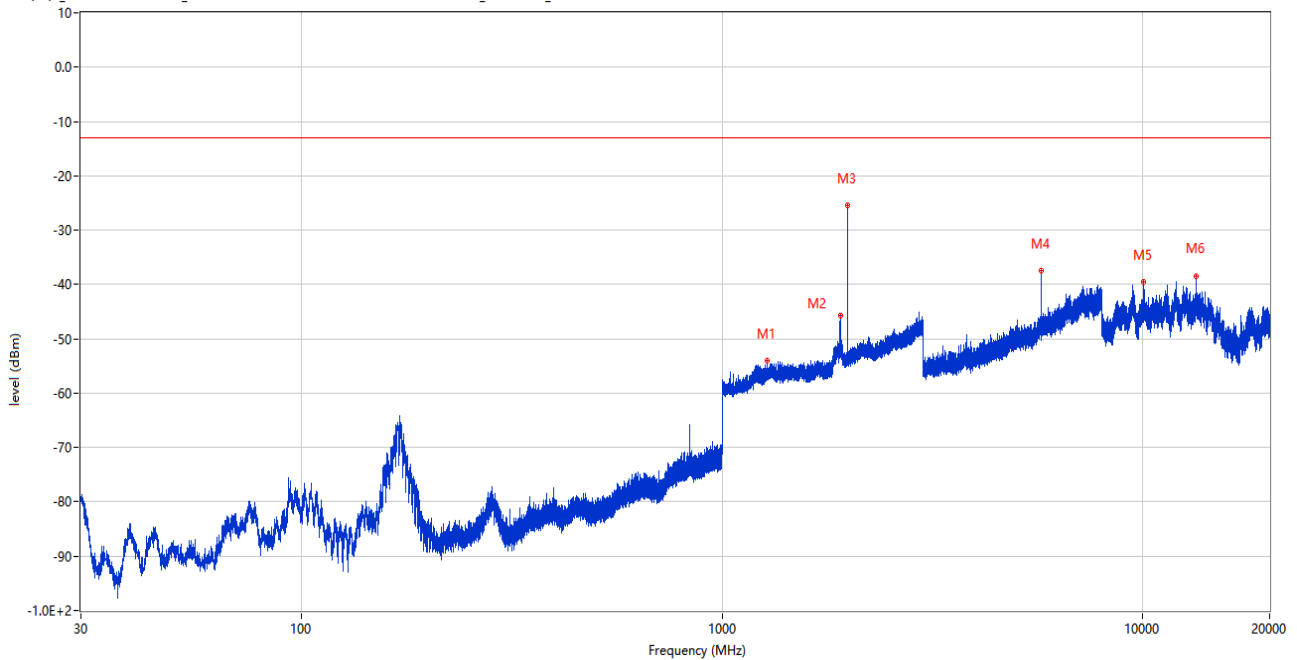
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1399.600        | -53.60       | -1.71       | -13.0       | 40.60       | 262.00    | Horizontal | Horizontal | Pass    |
| 1907.600        | -46.64       | 2.83        | -13.0       | 33.64       | 142.00    | Horizontal | Horizontal | N/A     |
| 1988.400        | -23.10       | 0.84        | -13.0       | 10.10       | 242.00    | Horizontal | Horizontal | N/A     |
| 7257.500        | -40.51       | 14.64       | -13.0       | 27.51       | 88.00     | Horizontal | Horizontal | Pass    |
| 11310.987       | -40.32       | 13.93       | -13.0       | 27.32       | 288.00    | Horizontal | Horizontal | Pass    |
| 17787.662       | -43.30       | 11.97       | -13.0       | 30.30       | 246.00    | Horizontal | Horizontal | Pass    |

## Band:WCDMA B2 Channel:HIGH range

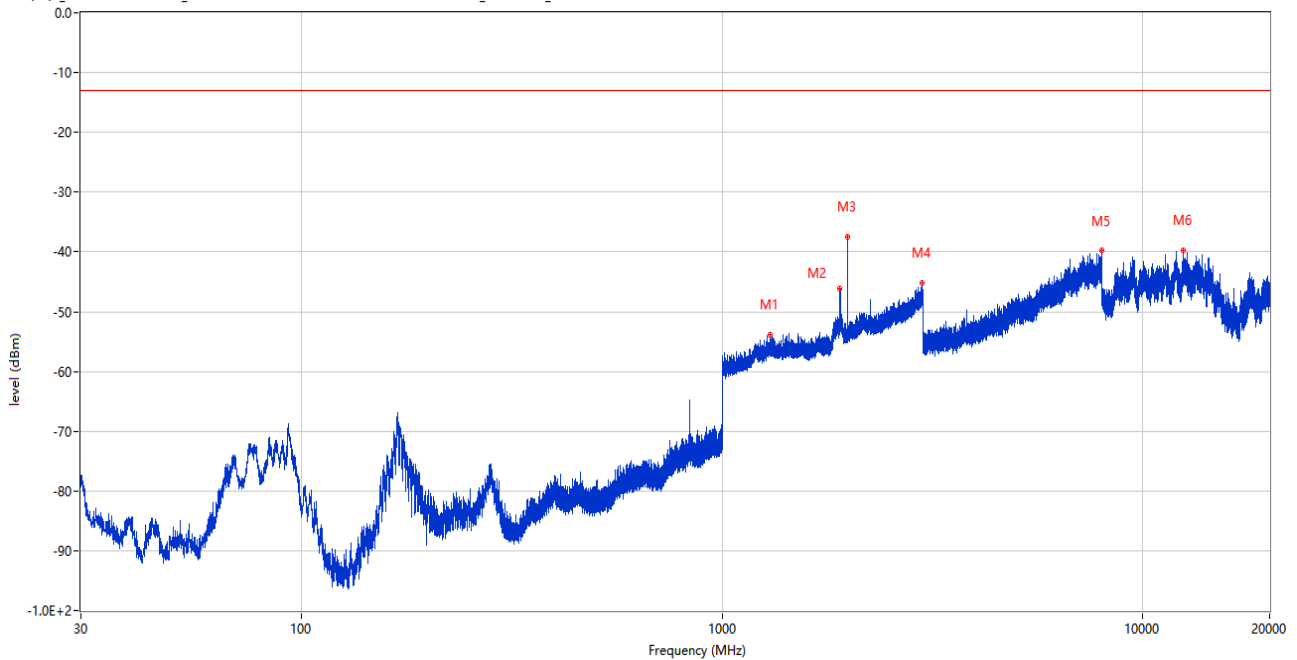
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 1279.200        | -54.09       | -1.26       | -13.0       | 41.09       | 6.00      | Horizontal | Vertical | Pass    |
| 1909.300        | -45.75       | 2.84        | -13.0       | 32.75       | 184.00    | Horizontal | Vertical | N/A     |
| 1988.400        | -25.47       | 0.84        | -13.0       | 12.47       | 225.00    | Horizontal | Vertical | N/A     |
| 5720.000        | -37.40       | 10.12       | -13.0       | 24.40       | 307.00    | Horizontal | Vertical | Pass    |
| 10053.662       | -39.45       | 14.05       | -13.0       | 26.45       | 360.00    | Horizontal | Vertical | Pass    |
| 13363.350       | -38.39       | 16.75       | -13.0       | 25.39       | 61.00     | Horizontal | Vertical | Pass    |

## Band:WCDMA B2 Channel:HIGH range

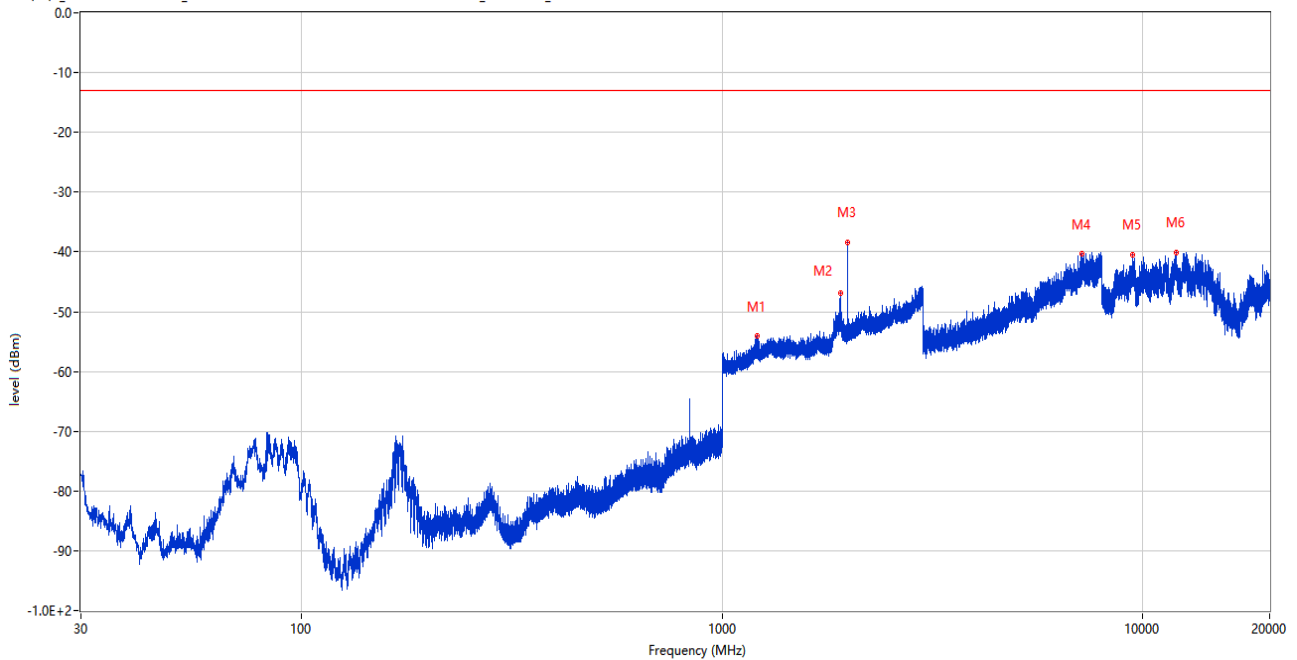
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 1299.000        | -53.85       | -0.98       | -13.0       | 40.85       | 142.00    | Vertical | Vertical | Pass    |
| 1907.800        | -46.19       | 2.83        | -13.0       | 33.19       | 81.00     | Vertical | Vertical | N/A     |
| 1989.500        | -37.41       | 0.84        | -13.0       | 24.41       | 221.00    | Vertical | Vertical | N/A     |
| 2982.000        | -45.12       | 9.21        | -13.0       | 32.12       | 313.00    | Vertical | Vertical | Pass    |
| 7978.750        | -39.69       | 14.70       | -13.0       | 26.69       | 329.00    | Vertical | Vertical | Pass    |
| 12496.113       | -39.74       | 14.57       | -13.0       | 26.74       | 239.00    | Vertical | Vertical | Pass    |

## Band:WCDMA B2 Channel:HIGH range

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

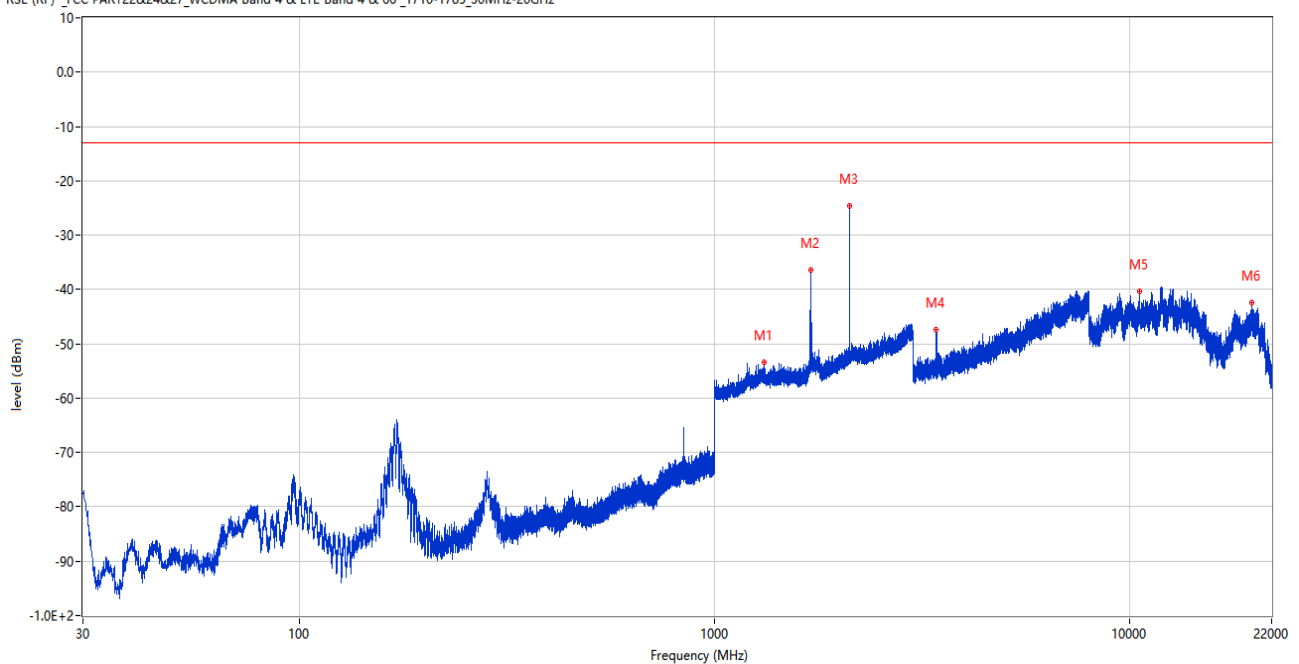


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 1209.300        | -54.09       | -1.54       | -13.0       | 41.09       | 293.00    | Vertical | Horizontal | Pass    |
| 1909.700        | -46.84       | 2.84        | -13.0       | 33.84       | 145.00    | Vertical | Horizontal | N/A     |
| 1988.600        | -38.42       | 0.84        | -13.0       | 25.42       | 123.00    | Vertical | Horizontal | N/A     |
| 7154.250        | -40.35       | 14.32       | -13.0       | 27.35       | 10.00     | Vertical | Horizontal | Pass    |
| 9448.750        | -40.42       | 13.77       | -13.0       | 27.42       | 63.00     | Vertical | Horizontal | Pass    |
| 11994.512       | -40.12       | 14.01       | -13.0       | 27.12       | 195.00    | Vertical | Horizontal | Pass    |

### 3.2 WCDMA Band 4

Band:WCDMA B4 Channel:LOW range

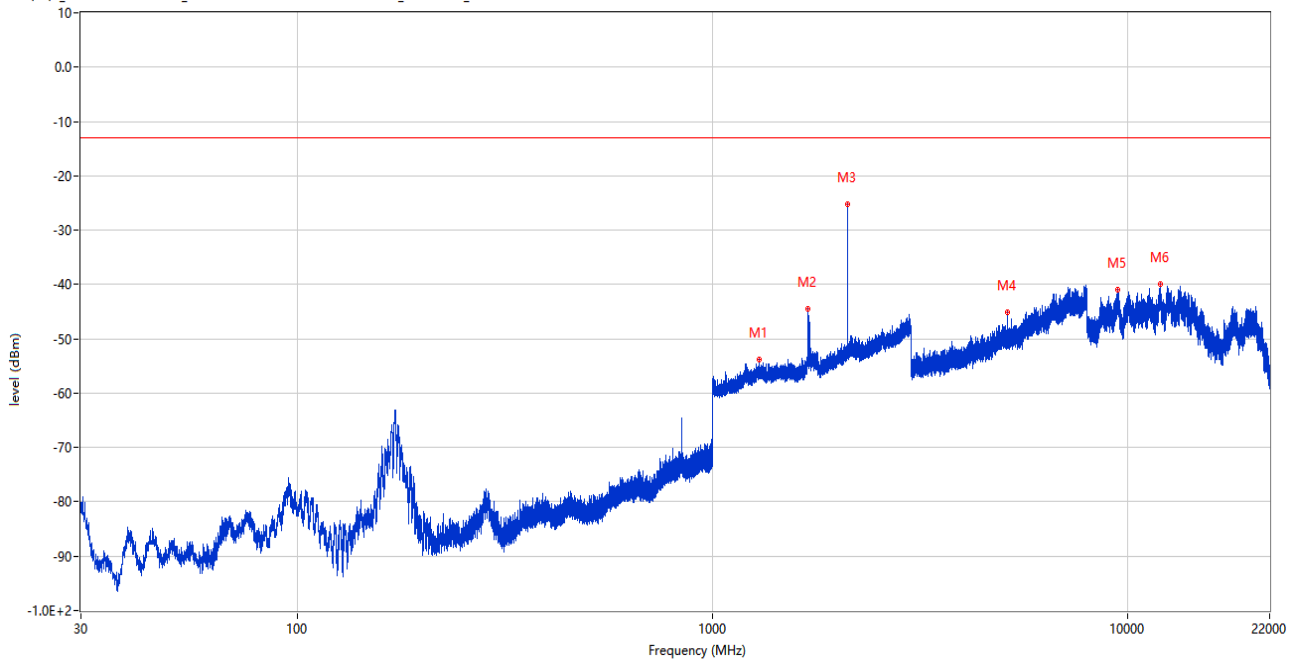
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66 \_1710-1785\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1312.700        | -53.43       | -0.76       | -13.0       | 40.43       | 286.00    | Horizontal | Horizontal | Pass    |
| 1702.300        | -36.51       | 1.39        | -13.0       | 23.51       | 51.00     | Horizontal | Horizontal | N/A     |
| 2113.500        | -24.56       | 2.48        | -13.0       | 11.56       | 222.00    | Horizontal | Horizontal | N/A     |
| 3423.000        | -47.47       | 4.03        | -13.0       | 34.47       | 137.00    | Horizontal | Horizontal | Pass    |
| 10543.863       | -40.27       | 13.21       | -13.0       | 27.27       | 167.00    | Horizontal | Horizontal | Pass    |
| 19720.337       | -42.40       | 12.66       | -13.0       | 29.40       | 82.00     | Horizontal | Horizontal | Pass    |

## Band:WCDMA B4 Channel:LOW range

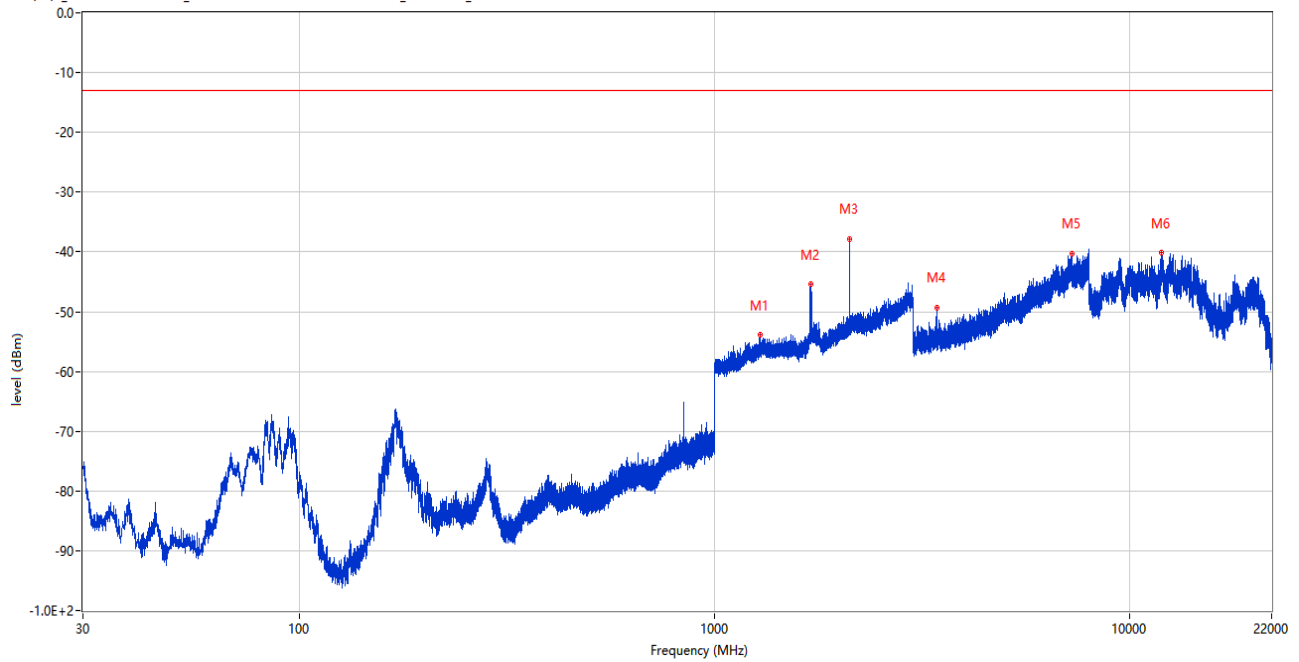
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 1296.700        | -53.81       | -1.12       | -13.0       | 40.81       | 191.00    | Horizontal | Vertical | Pass    |
| 1700.100        | -44.53       | 1.41        | -13.0       | 31.53       | 152.00    | Horizontal | Vertical | N/A     |
| 2113.100        | -25.29       | 2.47        | -13.0       | 12.29       | 225.00    | Horizontal | Vertical | N/A     |
| 5135.000        | -45.05       | 8.82        | -13.0       | 32.05       | 300.00    | Horizontal | Vertical | Pass    |
| 9453.025        | -40.99       | 13.72       | -13.0       | 27.99       | 184.00    | Horizontal | Vertical | Pass    |
| 11982.162       | -39.99       | 14.02       | -13.0       | 26.99       | 96.00     | Horizontal | Vertical | Pass    |

# Band:WCDMA B4 Channel:LOW range

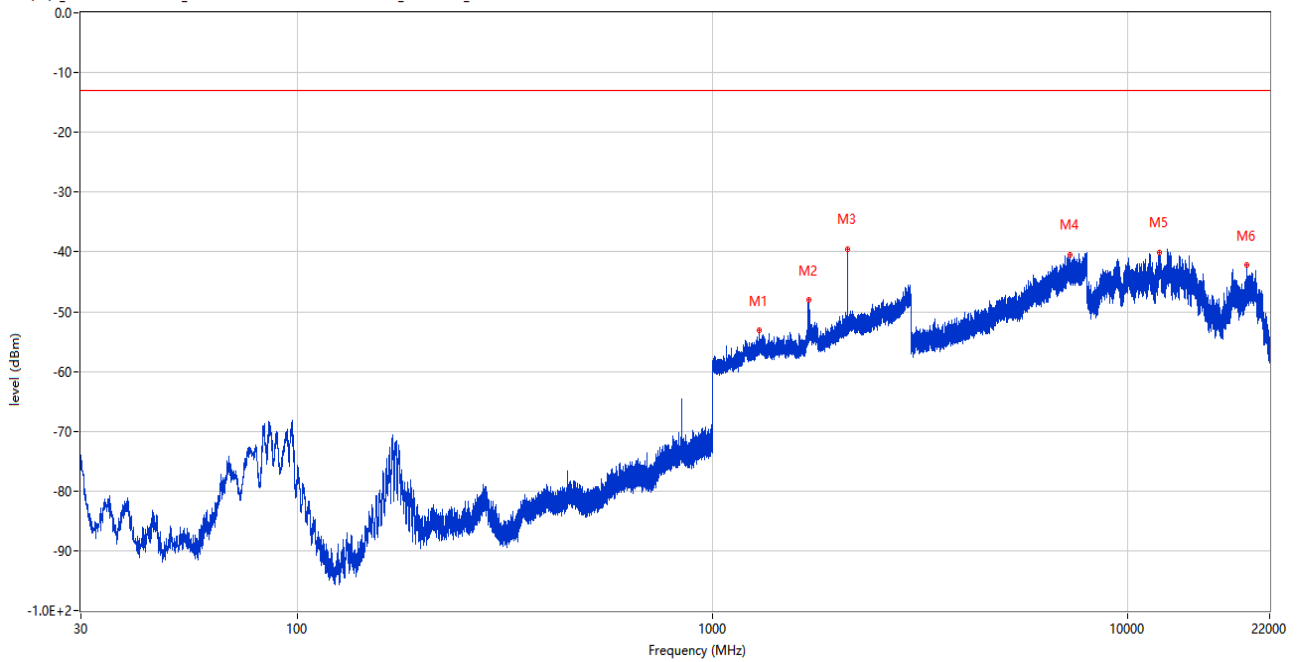
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 1288.700        | -53.91       | -1.20       | -13.0       | 40.91       | 237.00    | Vertical | Vertical | Pass    |
| 1701.600        | -45.45       | 1.40        | -13.0       | 32.45       | 26.00     | Vertical | Vertical | N/A     |
| 2114.400        | -37.79       | 2.47        | -13.0       | 24.79       | 145.00    | Vertical | Vertical | N/A     |
| 3426.750        | -49.43       | 4.13        | -13.0       | 36.43       | 198.00    | Vertical | Vertical | Pass    |
| 7252.250        | -40.37       | 14.86       | -13.0       | 27.37       | 360.00    | Vertical | Vertical | Pass    |
| 11925.162       | -40.14       | 13.83       | -13.0       | 27.14       | 327.00    | Vertical | Vertical | Pass    |

## Band:WCDMA B4 Channel:LOW range

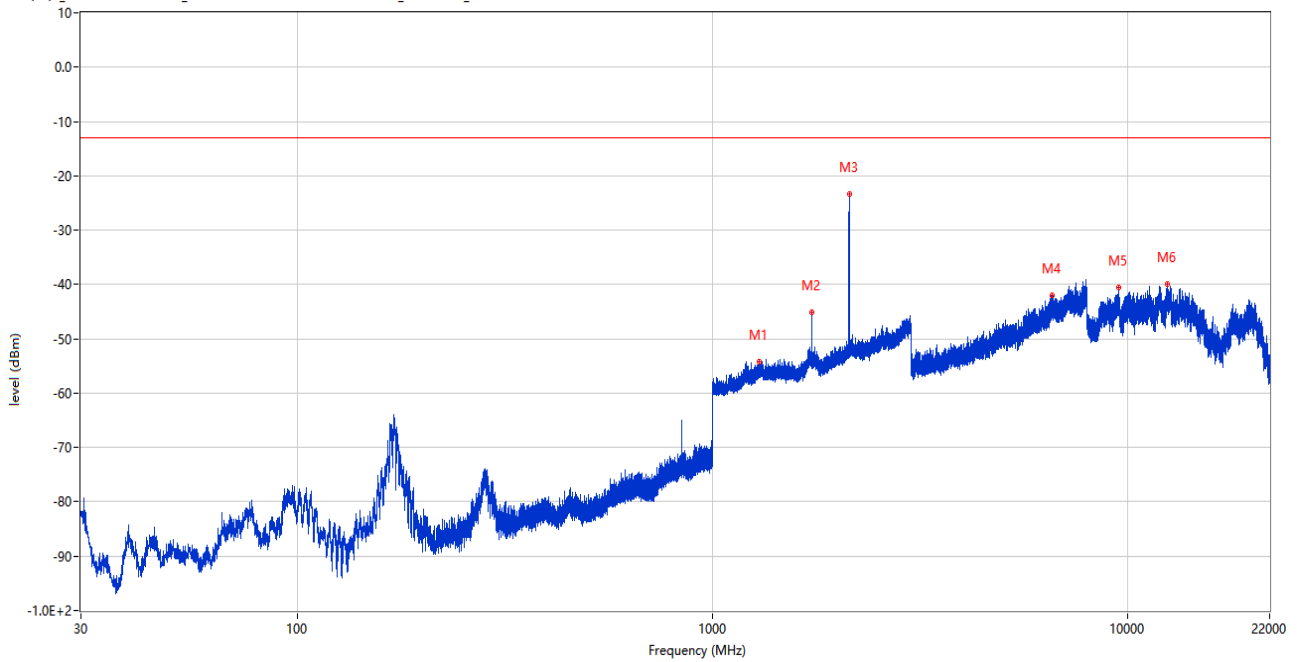
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 1294.400        | -53.17       | -1.09       | -13.0       | 40.17       | 221.00    | Vertical | Horizontal | Pass    |
| 1701.700        | -48.04       | 1.40        | -13.0       | 35.04       | 65.00     | Vertical | Horizontal | N/A     |
| 2112.700        | -39.56       | 2.48        | -13.0       | 26.56       | 135.00    | Vertical | Horizontal | N/A     |
| 7252.500        | -40.40       | 14.82       | -13.0       | 27.40       | 6.00      | Vertical | Horizontal | Pass    |
| 11941.075       | -40.04       | 13.96       | -13.0       | 27.04       | 129.00    | Vertical | Horizontal | Pass    |
| 19339.700       | -42.26       | 12.57       | -13.0       | 29.26       | 39.00     | Vertical | Horizontal | Pass    |

## Band:WCDMA B4 Channel:MID range

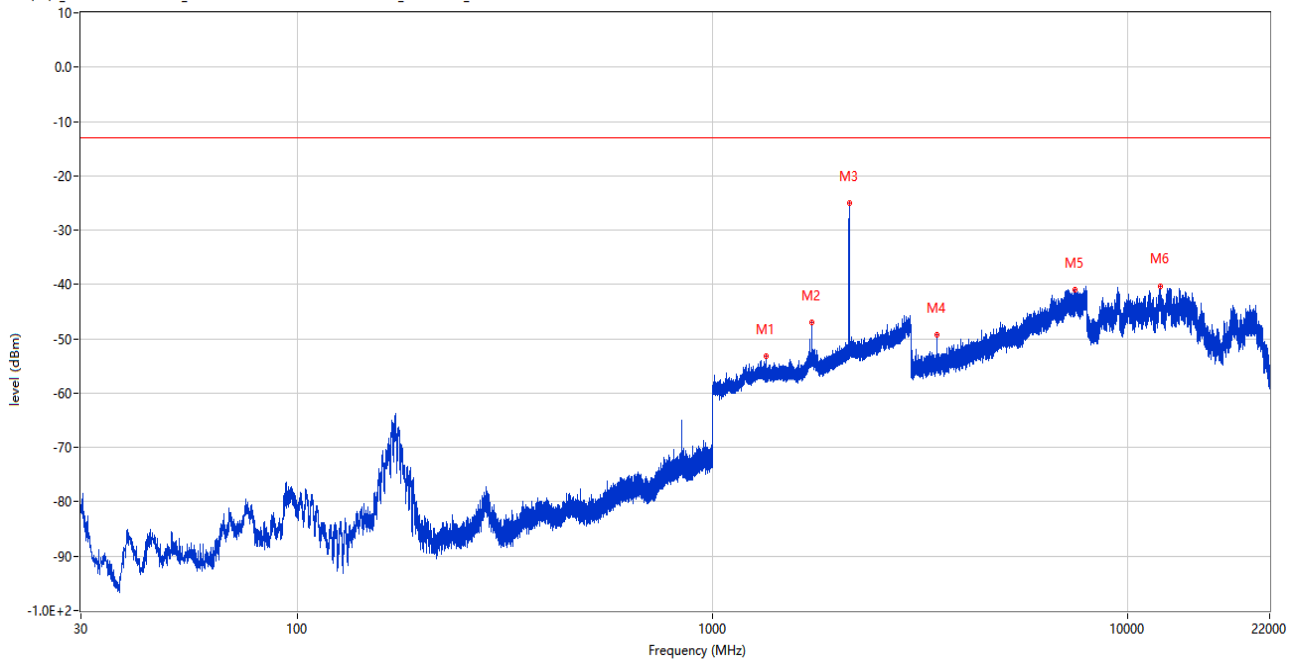
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66 \_1710-1785\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1297.000        | -54.19       | -1.14       | -13.0       | 41.19       | 161.00    | Horizontal | Horizontal | Pass    |
| 1731.800        | -45.14       | 1.13        | -13.0       | 32.14       | 138.00    | Horizontal | Horizontal | N/A     |
| 2133.200        | -23.46       | 2.72        | -13.0       | 10.46       | 227.00    | Horizontal | Horizontal | N/A     |
| 6588.000        | -41.95       | 13.56       | -13.0       | 28.95       | 47.00     | Horizontal | Horizontal | Pass    |
| 9505.750        | -40.52       | 12.79       | -13.0       | 27.52       | 142.00    | Horizontal | Horizontal | Pass    |
| 12491.600       | -39.93       | 14.51       | -13.0       | 26.93       | 19.00     | Horizontal | Horizontal | Pass    |

## Band:WCDMA B4 Channel:MID range

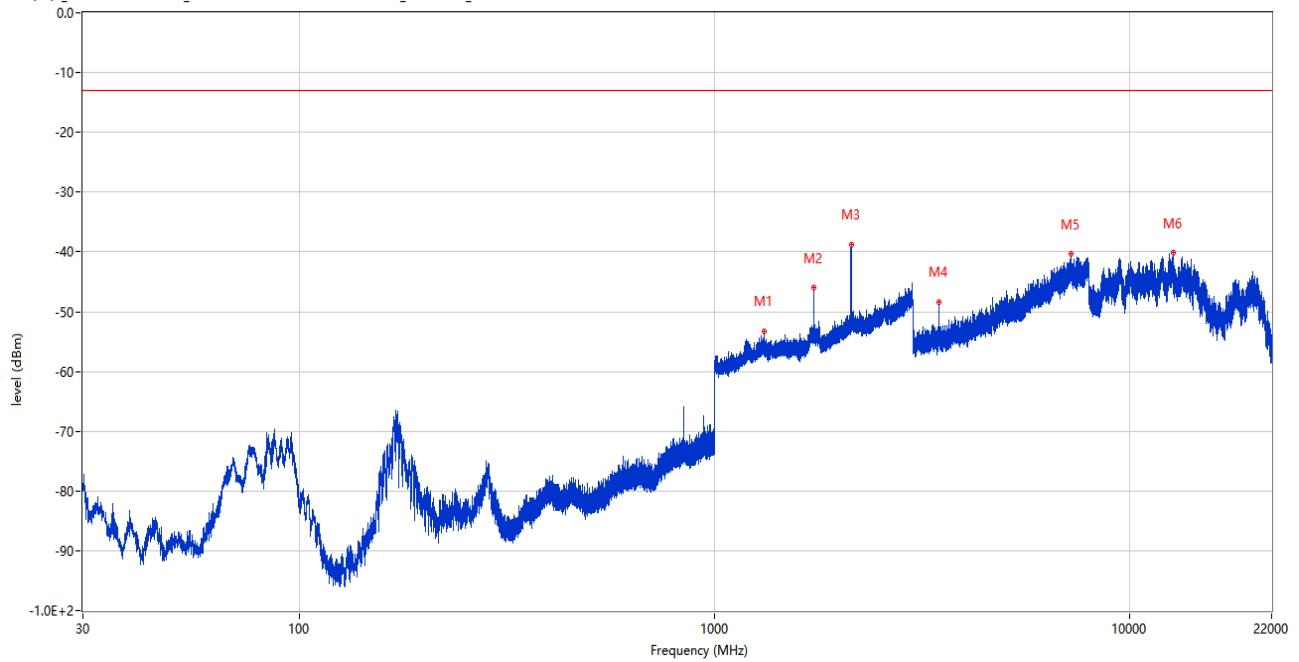
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66 \_1710-1785\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 1344.900        | -53.28       | -1.77       | -13.0       | 40.28       | 225.00    | Horizontal | Vertical | Pass    |
| 1731.800        | -46.97       | 1.13        | -13.0       | 33.97       | 0.00      | Horizontal | Vertical | N/A     |
| 2133.700        | -24.99       | 2.73        | -13.0       | 11.99       | 230.00    | Horizontal | Vertical | N/A     |
| 3463.500        | -49.34       | 5.31        | -13.0       | 36.34       | 89.00     | Horizontal | Vertical | Pass    |
| 7473.000        | -40.92       | 14.66       | -13.0       | 27.92       | 64.00     | Horizontal | Vertical | Pass    |
| 11981.924       | -40.25       | 14.02       | -13.0       | 27.25       | 360.00    | Horizontal | Vertical | Pass    |

# Band:WCDMA B4 Channel:MID range

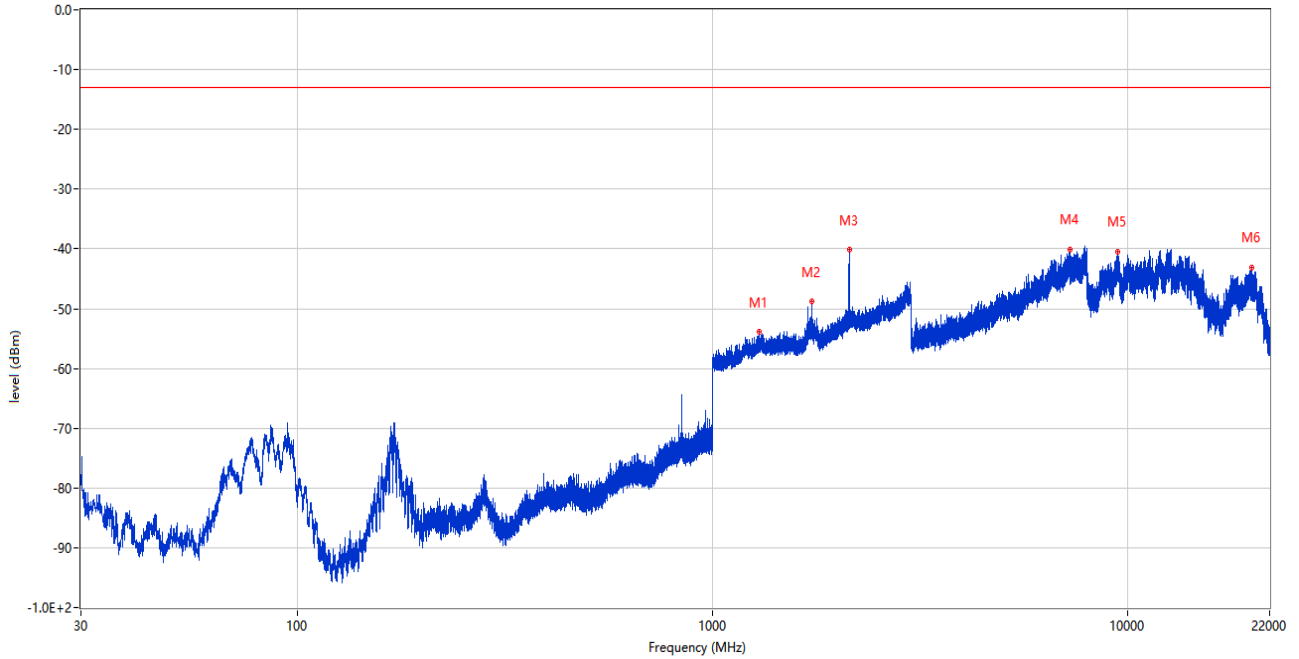
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66 \_1710-1785\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 1315.000        | -53.20       | -0.95       | -13.0       | 40.20       | 60.00     | Vertical | Vertical | Pass    |
| 1732.100        | -46.00       | 1.13        | -13.0       | 33.00       | 27.00     | Vertical | Vertical | N/A     |
| 2134.400        | -38.75       | 2.71        | -13.0       | 25.75       | 131.00    | Vertical | Vertical | N/A     |
| 3463.500        | -48.46       | 5.31        | -13.0       | 35.46       | 207.00    | Vertical | Vertical | Pass    |
| 7228.750        | -40.32       | 14.50       | -13.0       | 27.32       | 207.00    | Vertical | Vertical | Pass    |
| 12726.487       | -40.20       | 14.83       | -13.0       | 27.20       | 274.00    | Vertical | Vertical | Pass    |

## Band:WCDMA B4 Channel:MID range

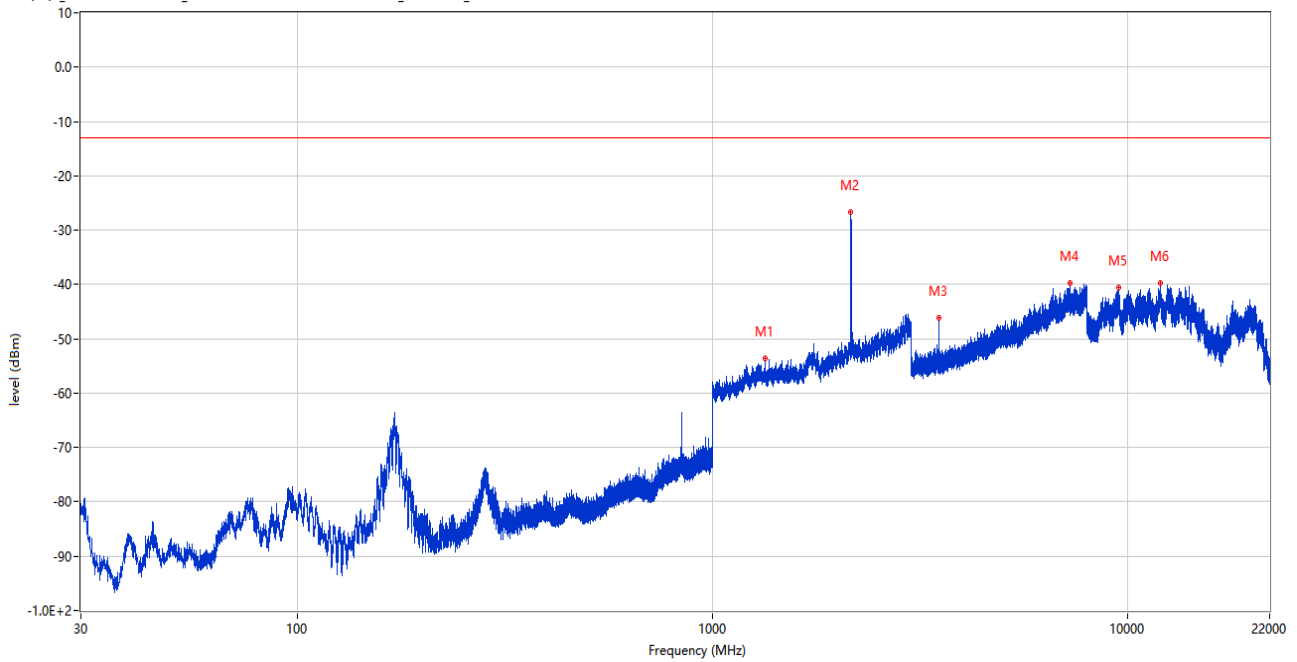
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 1295.900        | -53.94       | -1.08       | -13.0       | 40.94       | 81.00     | Vertical | Horizontal | Pass    |
| 1731.700        | -48.85       | 1.13        | -13.0       | 35.85       | 29.00     | Vertical | Horizontal | N/A     |
| 2133.000        | -40.19       | 2.72        | -13.0       | 27.19       | 137.00    | Vertical | Horizontal | N/A     |
| 7246.500        | -40.15       | 14.97       | -13.0       | 27.15       | 179.00    | Vertical | Horizontal | Pass    |
| 9454.451        | -40.48       | 13.69       | -13.0       | 27.48       | 287.00    | Vertical | Horizontal | Pass    |
| 19914.125       | -43.10       | 12.70       | -13.0       | 30.10       | 188.00    | Vertical | Horizontal | Pass    |

## Band:WCDMA B4 Channel:HIGH range

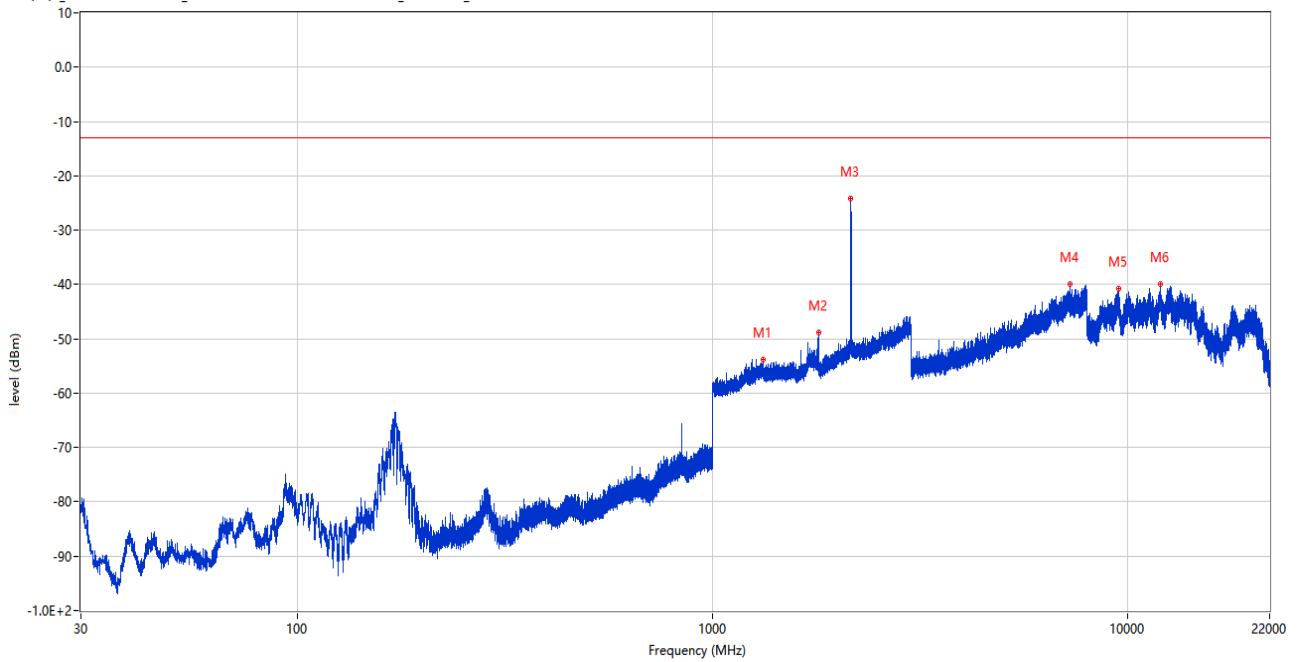
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1339.700        | -53.59       | -1.78       | -13.0       | 40.59       | 321.00    | Horizontal | Horizontal | Pass    |
| 2154.500        | -26.71       | 3.03        | -13.0       | 13.71       | 231.00    | Horizontal | Horizontal | N/A     |
| 3503.750        | -46.17       | 4.63        | -13.0       | 33.17       | 106.00    | Horizontal | Horizontal | Pass    |
| 7255.000        | -39.70       | 14.70       | -13.0       | 26.70       | 122.00    | Horizontal | Horizontal | Pass    |
| 9539.951        | -40.64       | 13.20       | -13.0       | 27.64       | 244.00    | Horizontal | Horizontal | Pass    |
| 12020.875       | -39.72       | 13.58       | -13.0       | 26.72       | 0.00      | Horizontal | Horizontal | Pass    |

# Band:WCDMA B4 Channel:HIGH range

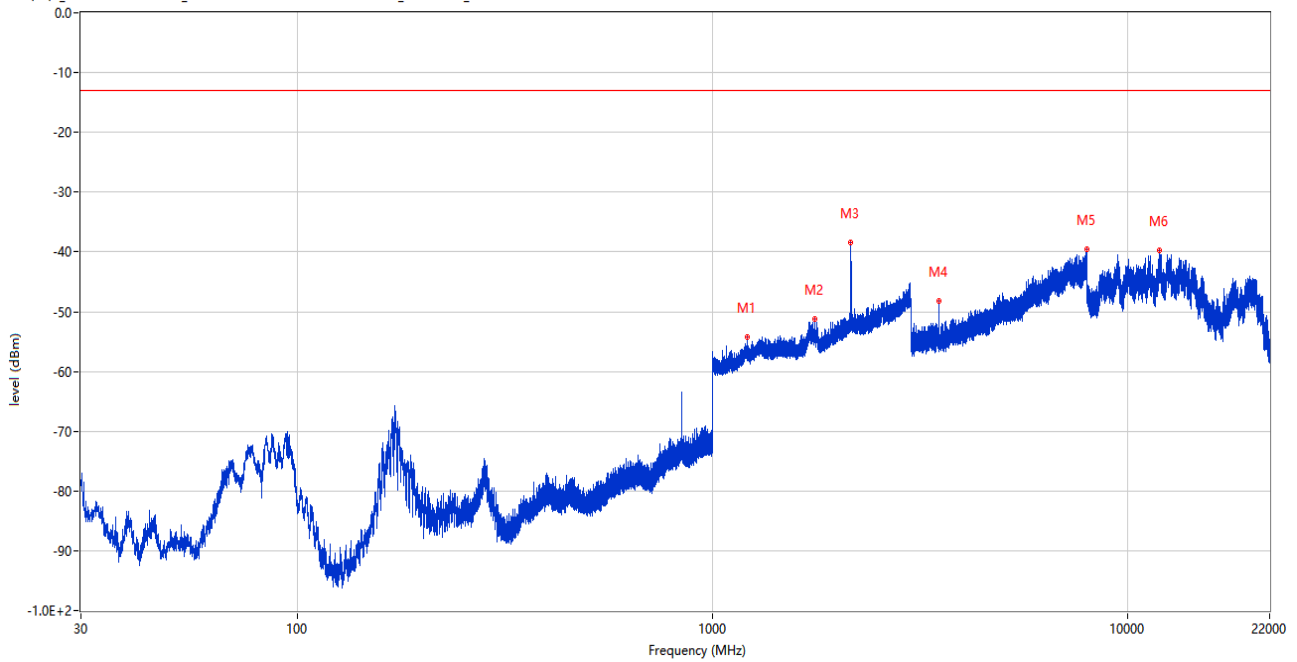
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66 \_1710-1785\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 1321.100        | -53.75       | -1.34       | -13.0       | 40.75       | 25.00     | Horizontal | Vertical | Pass    |
| 1797.900        | -48.84       | -0.66       | -13.0       | 35.84       | 189.00    | Horizontal | Vertical | Pass    |
| 2153.300        | -24.18       | 3.05        | -13.0       | 11.18       | 227.00    | Horizontal | Vertical | N/A     |
| 7248.000        | -39.91       | 14.91       | -13.0       | 26.91       | 306.00    | Horizontal | Vertical | Pass    |
| 9520.713        | -40.78       | 12.97       | -13.0       | 27.78       | 101.00    | Horizontal | Vertical | Pass    |
| 11985.487       | -39.97       | 14.02       | -13.0       | 26.97       | 269.00    | Horizontal | Vertical | Pass    |

## Band:WCDMA B4 Channel:HIGH range

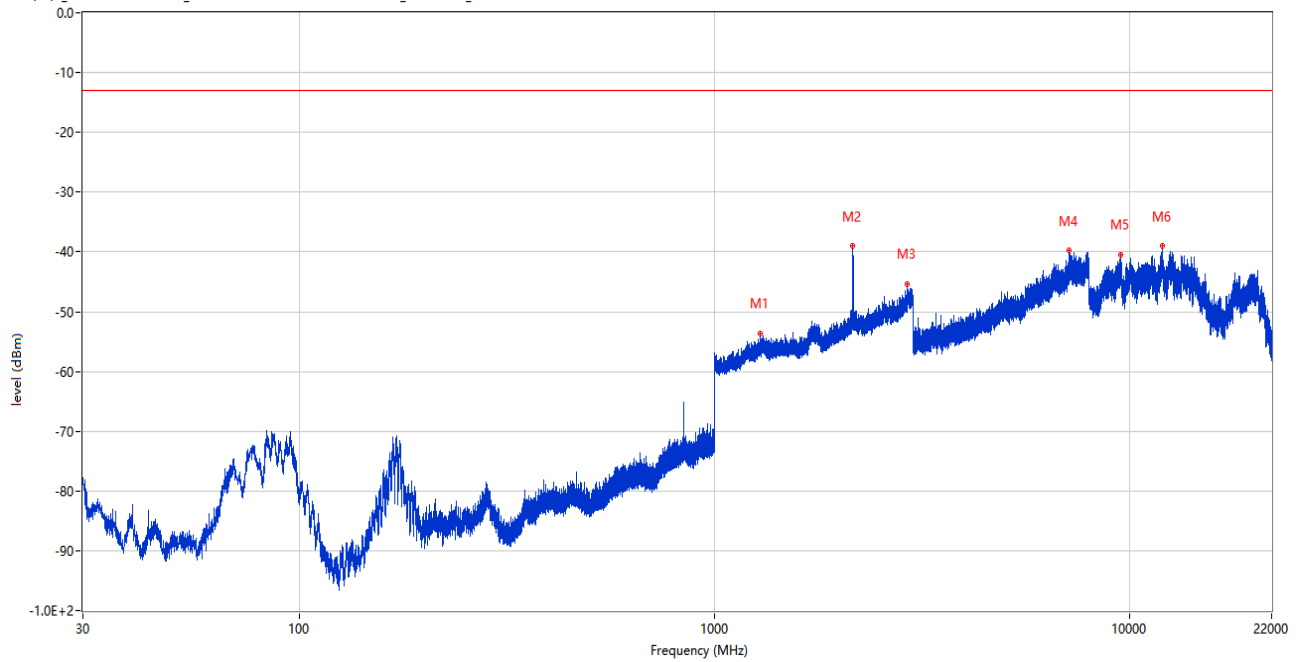
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 1210.300        | -54.30       | -1.72       | -13.0       | 41.30       | 133.00    | Vertical | Vertical | Pass    |
| 1766.600        | -51.26       | 0.94        | -13.0       | 38.26       | 91.00     | Vertical | Vertical | Pass    |
| 2154.200        | -38.44       | 3.03        | -13.0       | 25.44       | 133.00    | Vertical | Vertical | N/A     |
| 3508.000        | -48.29       | 4.46        | -13.0       | 35.29       | 185.00    | Vertical | Vertical | Pass    |
| 7996.250        | -39.62       | 14.52       | -13.0       | 26.62       | 109.00    | Vertical | Vertical | Pass    |
| 11924.450       | -39.76       | 13.82       | -13.0       | 26.76       | 172.00    | Vertical | Vertical | Pass    |

# Band:WCDMA B4 Channel:HIGH range

RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz

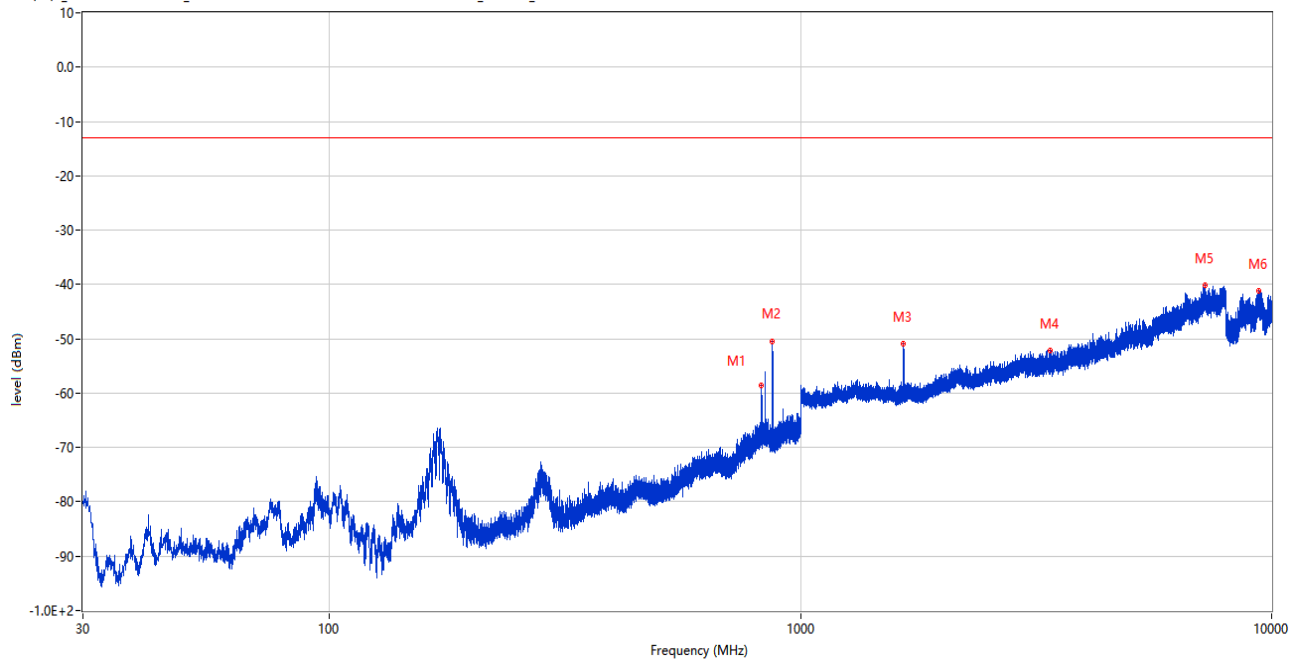


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 1290.600        | -53.58       | -1.14       | -13.0       | 40.58       | 360.00    | Vertical | Horizontal | Pass    |
| 2153.700        | -39.03       | 3.04        | -13.0       | 26.03       | 130.00    | Vertical | Horizontal | N/A     |
| 2910.500        | -45.38       | 7.88        | -13.0       | 32.38       | 88.00     | Vertical | Horizontal | Pass    |
| 7143.500        | -39.77       | 14.24       | -13.0       | 26.77       | 30.00     | Vertical | Horizontal | Pass    |
| 9521.662        | -40.40       | 12.98       | -13.0       | 27.40       | 167.00    | Vertical | Horizontal | Pass    |
| 11990.000       | -39.05       | 14.02       | -13.0       | 26.05       | 317.00    | Vertical | Horizontal | Pass    |

### 3.3 WCDMA Band 5

Band:WCDMA B5 Channel:LOW range

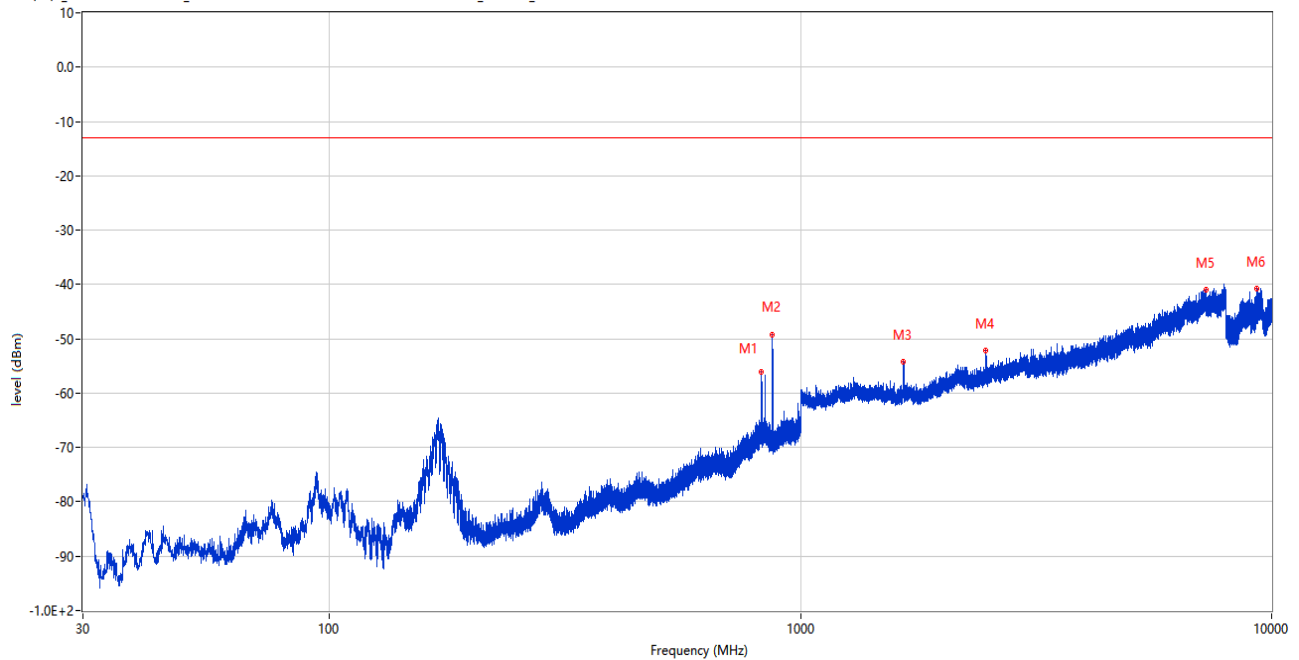
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 825.933         | -58.49       | 5.26        | -13.0       | 45.49       | 226.00    | Horizontal | Horizontal | N/A     |
| 870.602         | -50.39       | 4.18        | -13.0       | 37.39       | 151.00    | Horizontal | Horizontal | N/A     |
| 1655.700        | -50.94       | -5.83       | -13.0       | 37.94       | 240.00    | Horizontal | Horizontal | Pass    |
| 3381.750        | -52.17       | 5.01        | -13.0       | 39.17       | 252.00    | Horizontal | Horizontal | Pass    |
| 7228.250        | -40.15       | 14.47       | -13.0       | 27.15       | 196.00    | Horizontal | Horizontal | Pass    |
| 9398.700        | -41.10       | 13.38       | -13.0       | 28.10       | 43.00     | Horizontal | Horizontal | Pass    |

## Band:WCDMA B5 Channel:LOW range

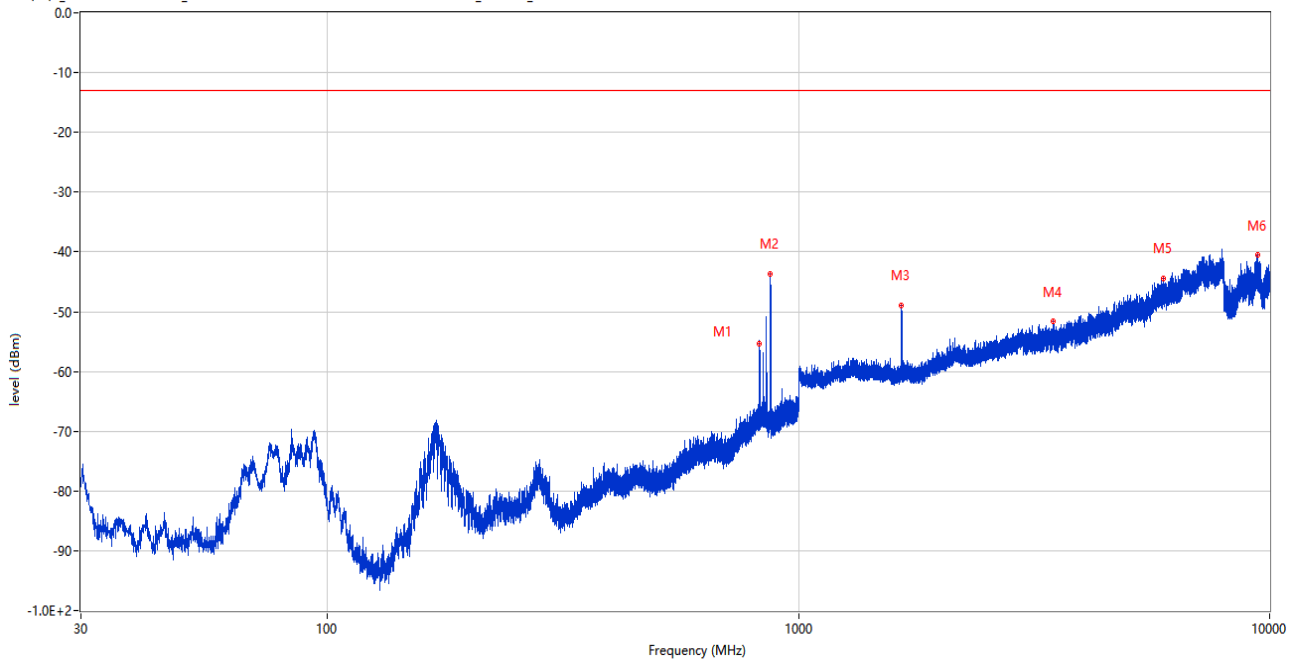
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 825.885         | -56.11       | 5.26        | -13.0       | 43.11       | 353.00    | Horizontal | Vertical | N/A     |
| 870.408         | -49.17       | 4.17        | -13.0       | 36.17       | 153.00    | Horizontal | Vertical | N/A     |
| 1655.900        | -54.18       | -5.82       | -13.0       | 41.18       | 137.00    | Horizontal | Vertical | Pass    |
| 2476.800        | -52.23       | -1.35       | -13.0       | 39.23       | 31.00     | Horizontal | Vertical | Pass    |
| 7243.500        | -41.06       | 14.97       | -13.0       | 28.06       | 207.00    | Horizontal | Vertical | Pass    |
| 9300.200        | -40.75       | 14.43       | -13.0       | 27.75       | 344.00    | Horizontal | Vertical | Pass    |

# Band:WCDMA B5 Channel:LOW range

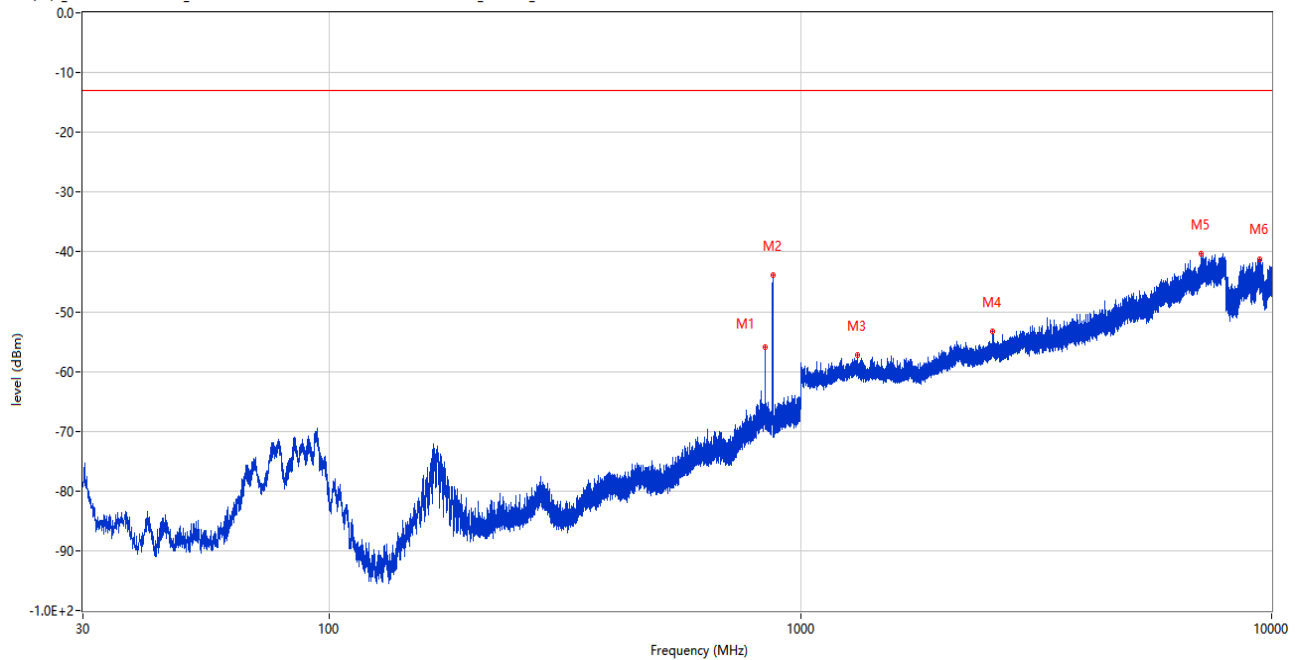
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 825.303         | -55.40       | 5.23        | -13.0       | 42.40       | 239.00    | Vertical | Vertical | N/A     |
| 872.736         | -43.60       | 4.03        | -13.0       | 30.60       | 0.00      | Vertical | Vertical | N/A     |
| 1651.200        | -48.94       | -5.96       | -13.0       | 35.94       | 218.00    | Vertical | Vertical | Pass    |
| 3475.250        | -51.68       | 5.38        | -13.0       | 38.68       | 89.00     | Vertical | Vertical | Pass    |
| 5952.750        | -44.45       | 11.09       | -13.0       | 31.45       | 156.00    | Vertical | Vertical | Pass    |
| 9452.000        | -40.53       | 13.74       | -13.0       | 27.53       | 35.00     | Vertical | Vertical | Pass    |

## Band:WCDMA B5 Channel:LOW range

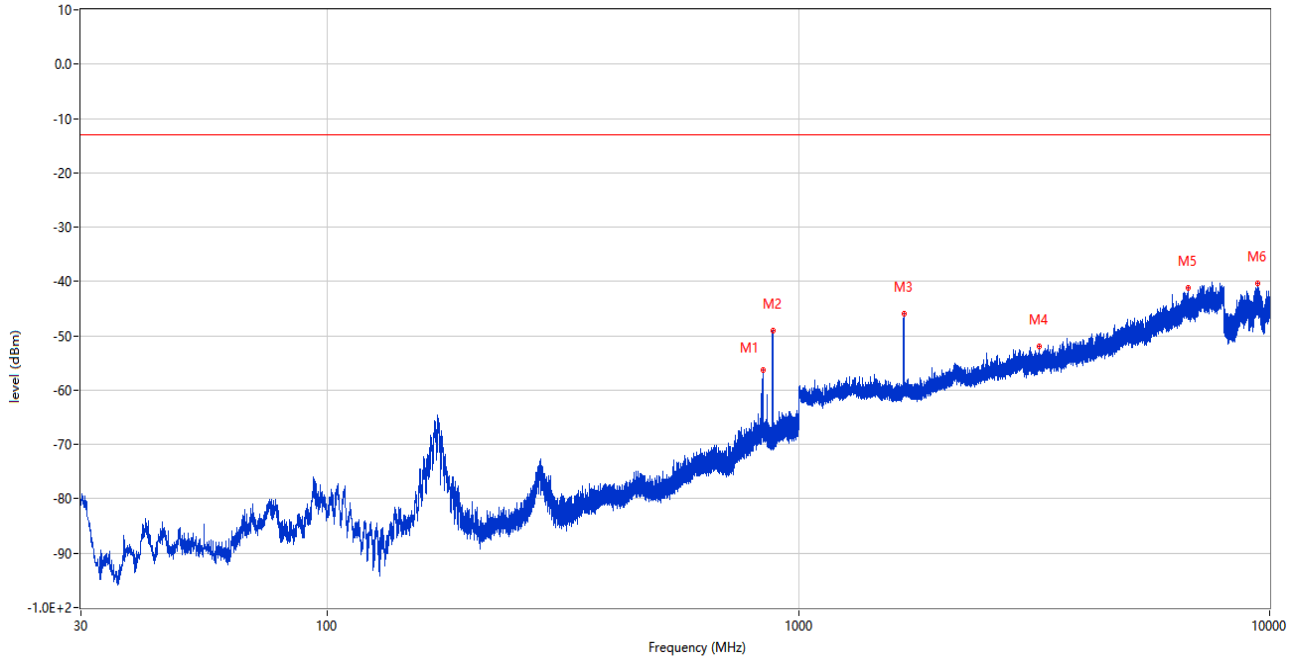
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 839.998         | -55.90       | 5.85        | -13.0       | 42.90       | 244.00    | Vertical | Horizontal | Pass    |
| 873.124         | -43.90       | 4.01        | -13.0       | 30.90       | 6.00      | Vertical | Horizontal | N/A     |
| 1319.200        | -57.34       | -4.68       | -13.0       | 44.34       | 247.00    | Vertical | Horizontal | Pass    |
| 2556.200        | -53.38       | -0.66       | -13.0       | 40.38       | 134.00    | Vertical | Horizontal | Pass    |
| 7093.000        | -40.32       | 13.48       | -13.0       | 27.32       | 152.00    | Vertical | Horizontal | Pass    |
| 9450.299        | -41.16       | 13.77       | -13.0       | 28.16       | 296.00    | Vertical | Horizontal | Pass    |

## Band:WCDMA B5 Channel:MID range

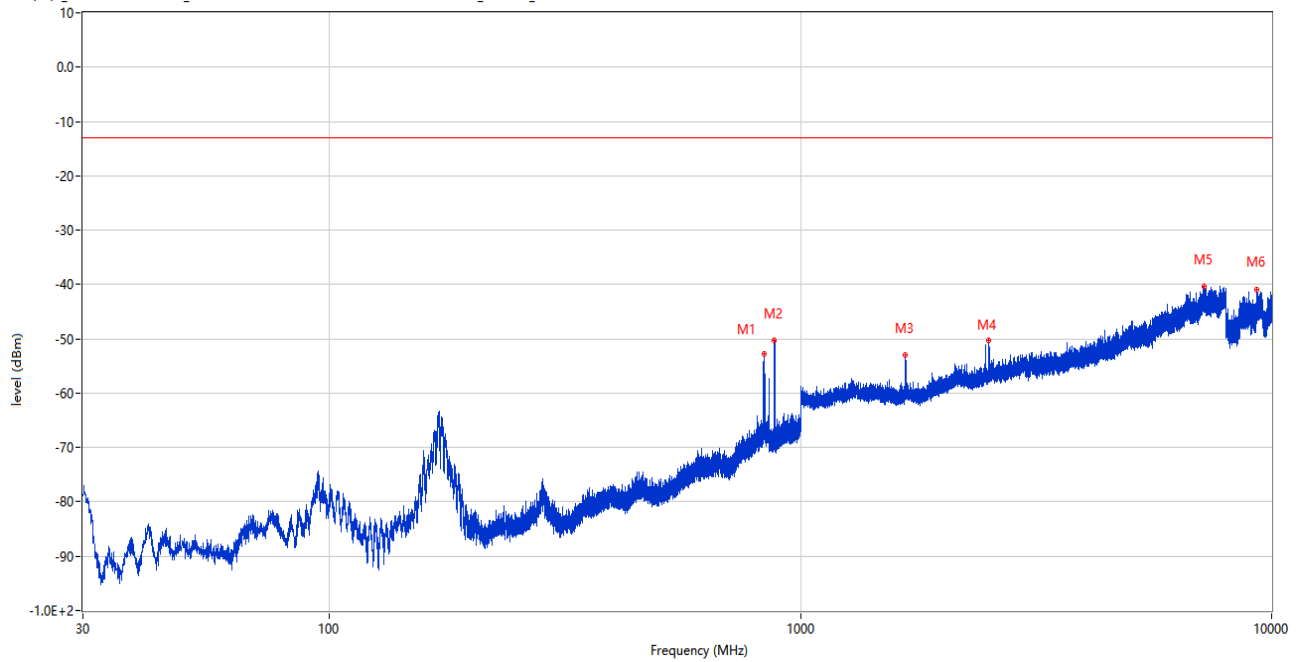
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 839.998         | -56.28       | 5.85        | -13.0       | 43.28       | 0.00      | Horizontal | Horizontal | N/A     |
| 881.757         | -49.02       | 4.05        | -13.0       | 36.02       | 135.00    | Horizontal | Horizontal | N/A     |
| 1676.000        | -46.01       | -5.39       | -13.0       | 33.01       | 236.00    | Horizontal | Horizontal | Pass    |
| 3241.500        | -51.99       | 4.24        | -13.0       | 38.99       | 293.00    | Horizontal | Horizontal | Pass    |
| 6710.250        | -41.23       | 13.08       | -13.0       | 28.23       | 260.00    | Horizontal | Horizontal | Pass    |
| 9450.401        | -40.31       | 13.77       | -13.0       | 27.31       | 274.00    | Horizontal | Horizontal | Pass    |

## Band:WCDMA B5 Channel:MID range

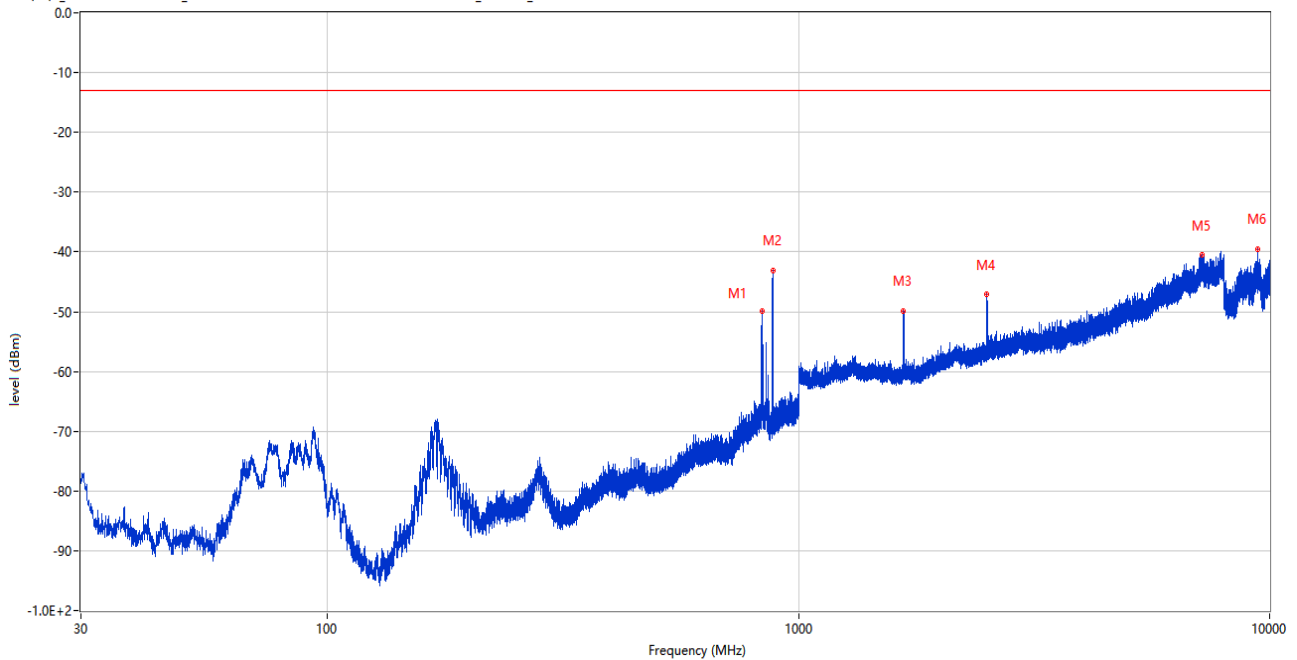
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 835.682         | -52.83       | 5.67        | -13.0       | 39.83       | 360.00    | Horizontal | Vertical | N/A     |
| 880.738         | -50.21       | 4.04        | -13.0       | 37.21       | 154.00    | Horizontal | Vertical | N/A     |
| 1671.900        | -53.05       | -5.55       | -13.0       | 40.05       | 360.00    | Horizontal | Vertical | Pass    |
| 2513.000        | -50.23       | -1.09       | -13.0       | 37.23       | 125.00    | Horizontal | Vertical | Pass    |
| 7193.750        | -40.30       | 14.02       | -13.0       | 27.30       | 277.00    | Horizontal | Vertical | Pass    |
| 9310.300        | -40.86       | 14.32       | -13.0       | 27.86       | 293.00    | Horizontal | Vertical | Pass    |

## Band:WCDMA B5 Channel:MID range

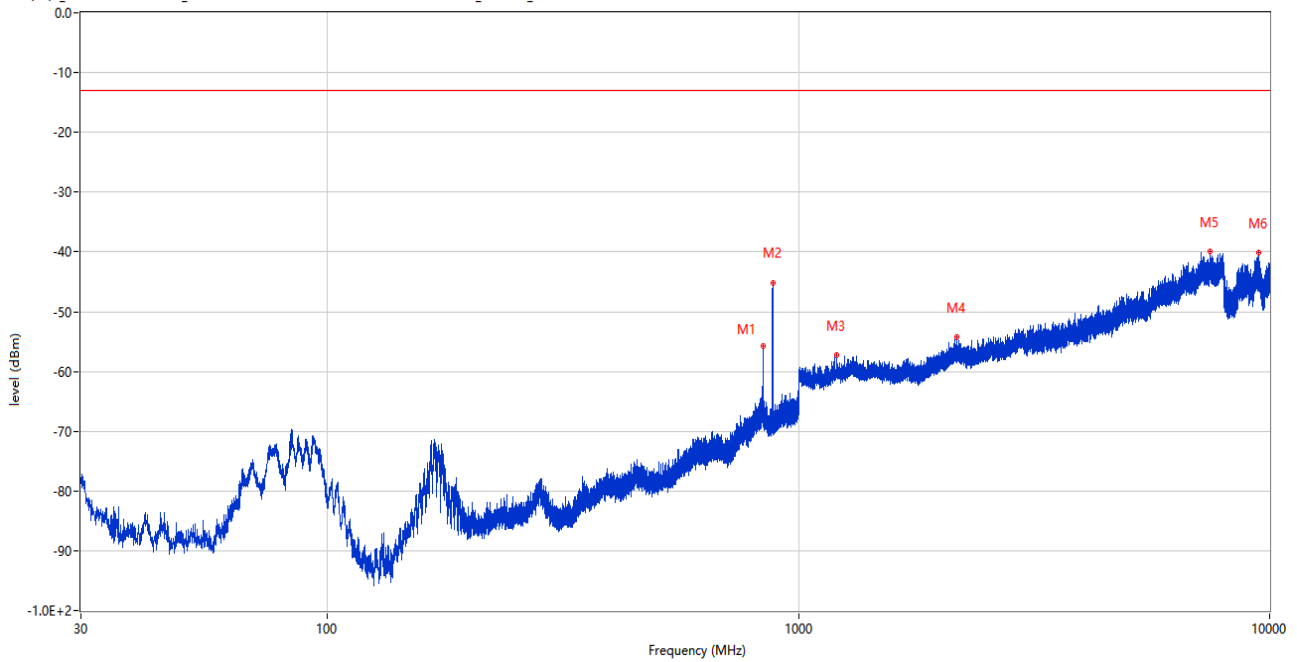
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 837.234         | -49.83       | 5.73        | -13.0       | 36.83       | 211.00    | Vertical | Vertical | N/A     |
| 882.048         | -43.09       | 4.09        | -13.0       | 30.09       | 0.00      | Vertical | Vertical | N/A     |
| 1671.100        | -49.81       | -5.53       | -13.0       | 36.81       | 217.00    | Vertical | Vertical | Pass    |
| 2513.900        | -47.13       | -1.08       | -13.0       | 34.13       | 137.00    | Vertical | Vertical | Pass    |
| 7201.500        | -40.57       | 14.05       | -13.0       | 27.57       | 306.00    | Vertical | Vertical | Pass    |
| 9448.600        | -39.50       | 13.77       | -13.0       | 26.50       | 360.00    | Vertical | Vertical | Pass    |

## Band:WCDMA B5 Channel:MID range

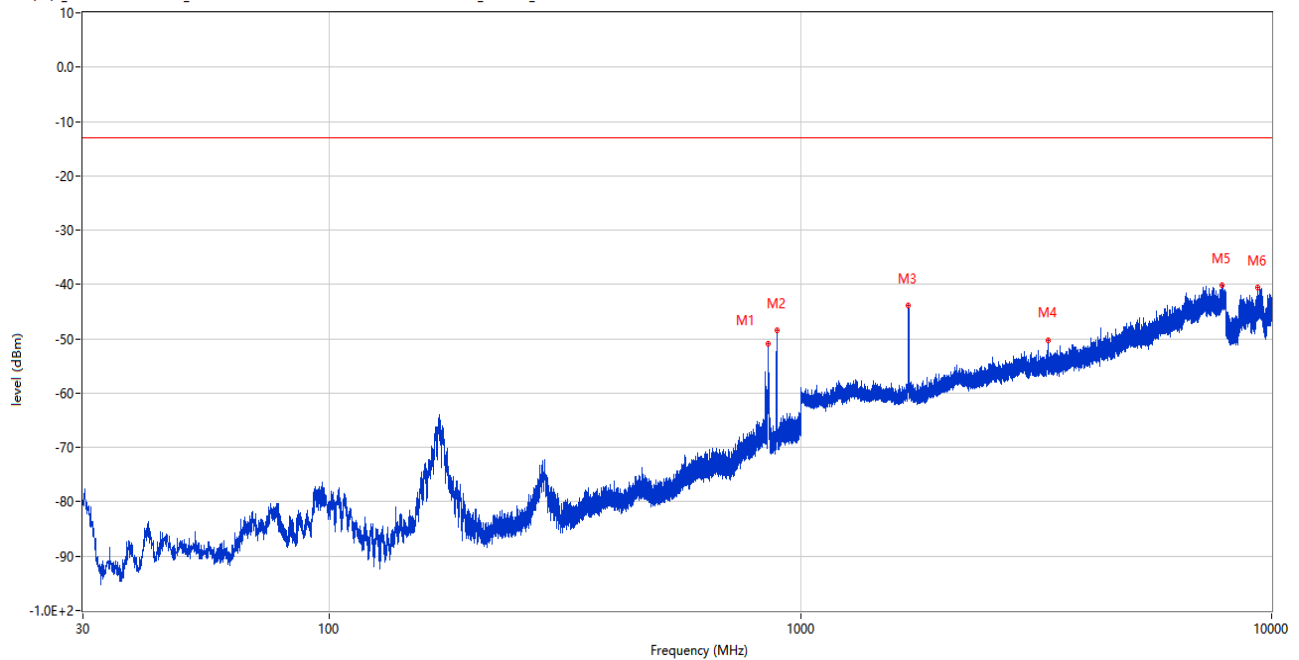
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 839.998         | -55.67       | 5.85        | -13.0       | 42.67       | 209.00    | Vertical | Horizontal | N/A     |
| 882.048         | -45.16       | 4.09        | -13.0       | 32.16       | 7.00      | Vertical | Horizontal | N/A     |
| 1203.800        | -57.34       | -4.98       | -13.0       | 44.34       | 247.00    | Vertical | Horizontal | Pass    |
| 2168.600        | -54.30       | -2.20       | -13.0       | 41.30       | 167.00    | Vertical | Horizontal | Pass    |
| 7465.750        | -40.01       | 14.48       | -13.0       | 27.01       | 178.00    | Vertical | Horizontal | Pass    |
| 9464.300        | -40.19       | 13.48       | -13.0       | 27.19       | 3.00      | Vertical | Horizontal | Pass    |

## Band:WCDMA B5 Channel:HIGH range

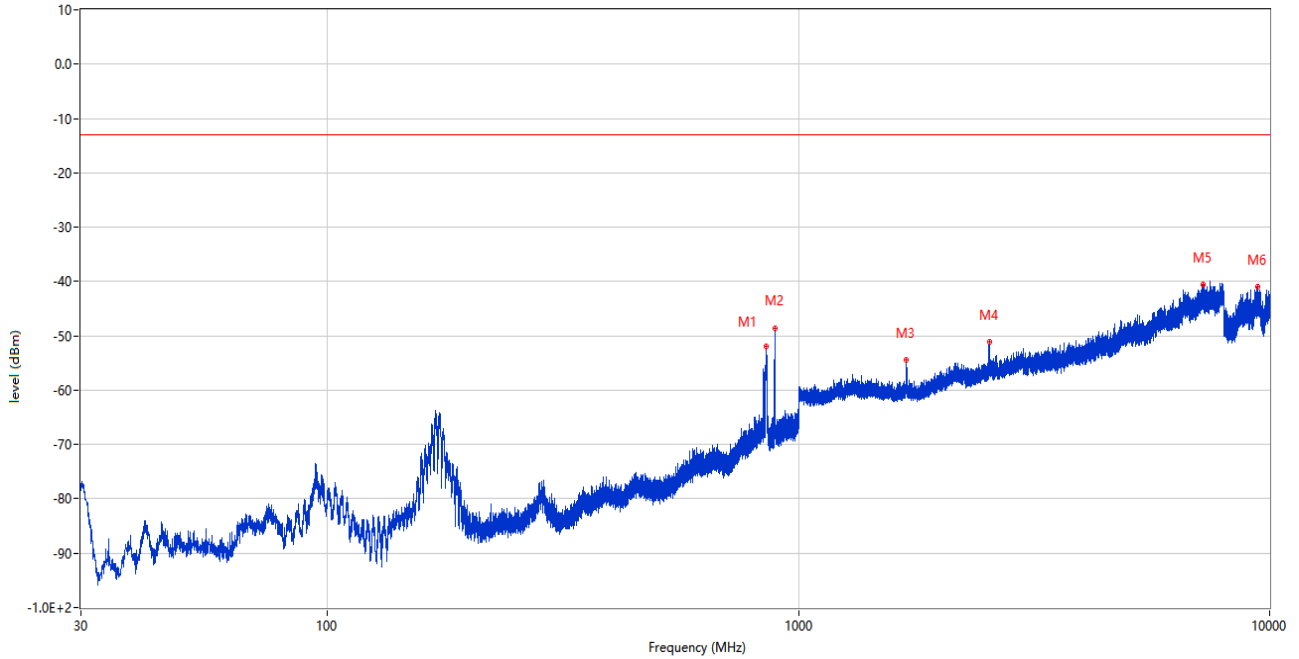
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 854.161         | -50.96       | 5.36        | -13.0       | 37.96       | 230.00    | Horizontal | Horizontal | N/A     |
| 892.476         | -48.38       | 4.52        | -13.0       | 35.38       | 136.00    | Horizontal | Horizontal | N/A     |
| 1696.300        | -43.83       | -4.85       | -13.0       | 30.83       | 244.00    | Horizontal | Horizontal | Pass    |
| 3348.250        | -50.20       | 4.23        | -13.0       | 37.20       | 350.00    | Horizontal | Horizontal | Pass    |
| 7851.000        | -40.23       | 14.61       | -13.0       | 27.23       | 83.00     | Horizontal | Horizontal | Pass    |
| 9363.200        | -40.52       | 13.77       | -13.0       | 27.52       | 3.00      | Horizontal | Horizontal | Pass    |

## Band:WCDMA B5 Channel:HIGH range

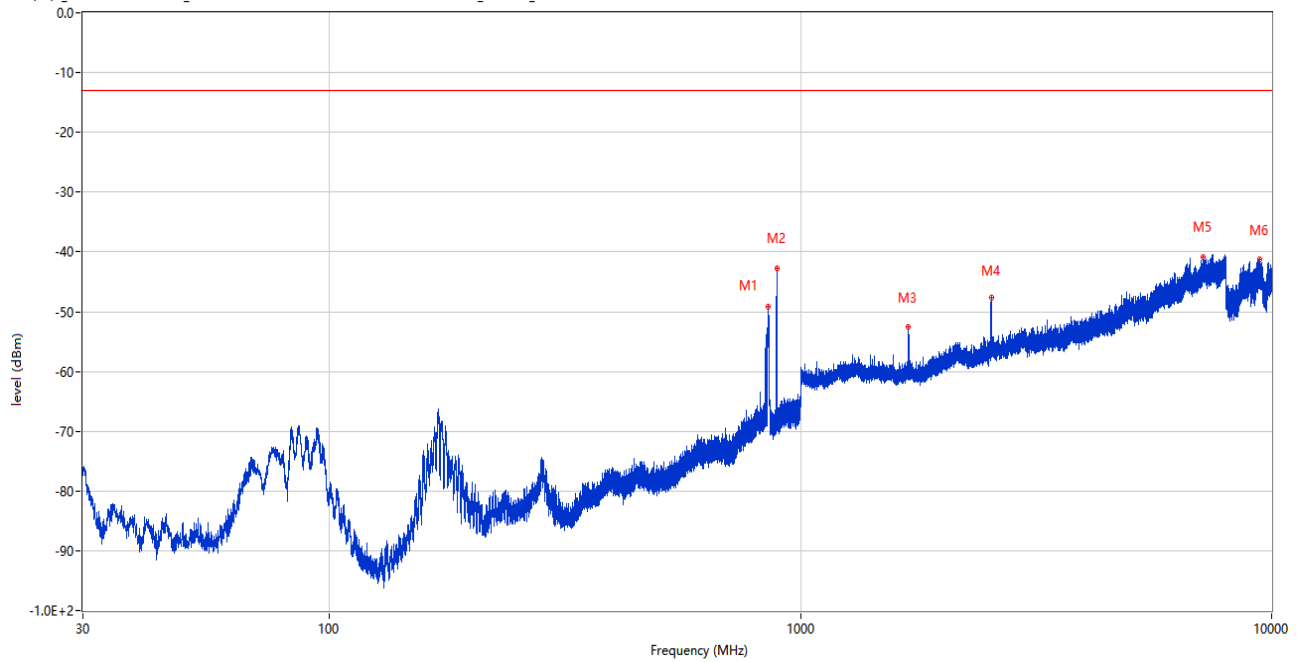
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 855.858         | -51.99       | 5.30        | -13.0       | 38.99       | 0.00      | Horizontal | Vertical | N/A     |
| 892.572         | -48.53       | 4.53        | -13.0       | 35.53       | 73.00     | Horizontal | Vertical | N/A     |
| 1696.000        | -54.52       | -4.84       | -13.0       | 41.52       | 360.00    | Horizontal | Vertical | Pass    |
| 2543.600        | -51.19       | -0.42       | -13.0       | 38.19       | 115.00    | Horizontal | Vertical | Pass    |
| 7236.000        | -40.48       | 14.85       | -13.0       | 27.48       | 101.00    | Horizontal | Vertical | Pass    |
| 9455.700        | -40.98       | 13.66       | -13.0       | 27.98       | 319.00    | Horizontal | Vertical | Pass    |

# Band:WCDMA B5 Channel:HIGH range

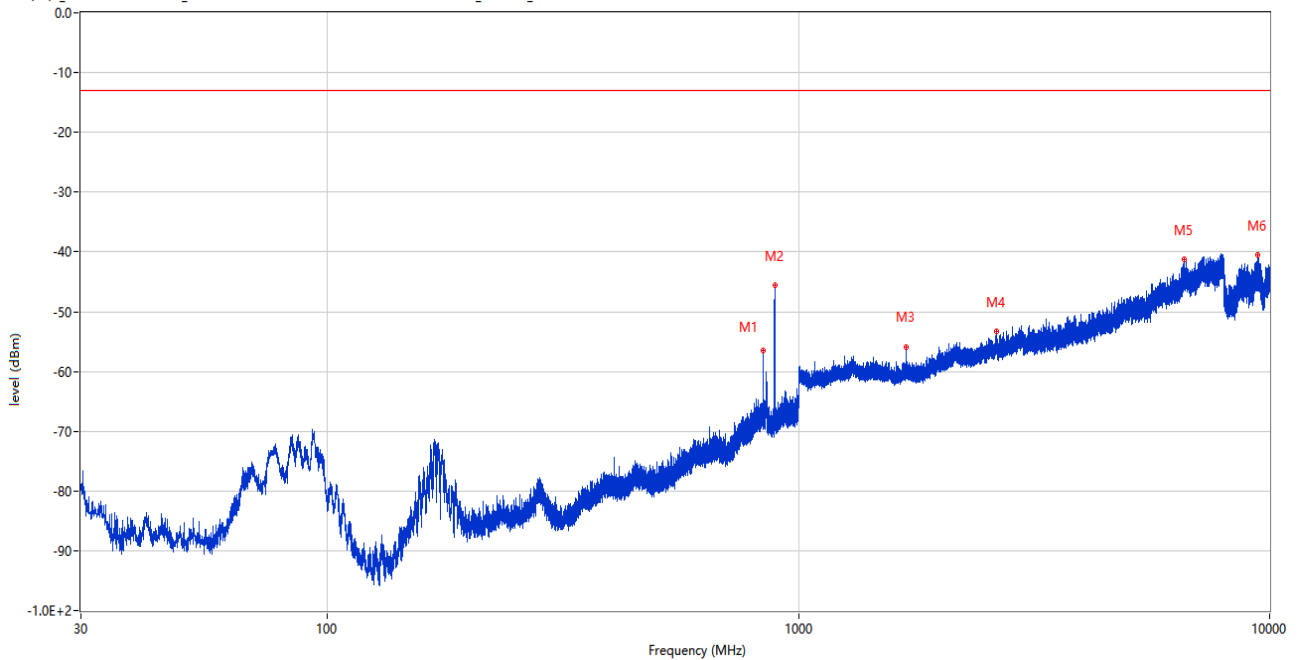
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 854.209         | -49.14       | 5.35        | -13.0       | 36.14       | 152.00    | Vertical | Vertical | N/A     |
| 892.039         | -42.75       | 4.49        | -13.0       | 29.75       | 15.00     | Vertical | Vertical | N/A     |
| 1692.000        | -52.58       | -4.97       | -13.0       | 39.58       | 247.00    | Vertical | Vertical | Pass    |
| 2544.300        | -47.62       | -0.47       | -13.0       | 34.62       | 136.00    | Vertical | Vertical | Pass    |
| 7171.500        | -40.79       | 14.32       | -13.0       | 27.79       | 178.00    | Vertical | Vertical | Pass    |
| 9450.599        | -41.21       | 13.77       | -13.0       | 28.21       | 319.00    | Vertical | Vertical | Pass    |

## Band:WCDMA B5 Channel:HIGH range

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



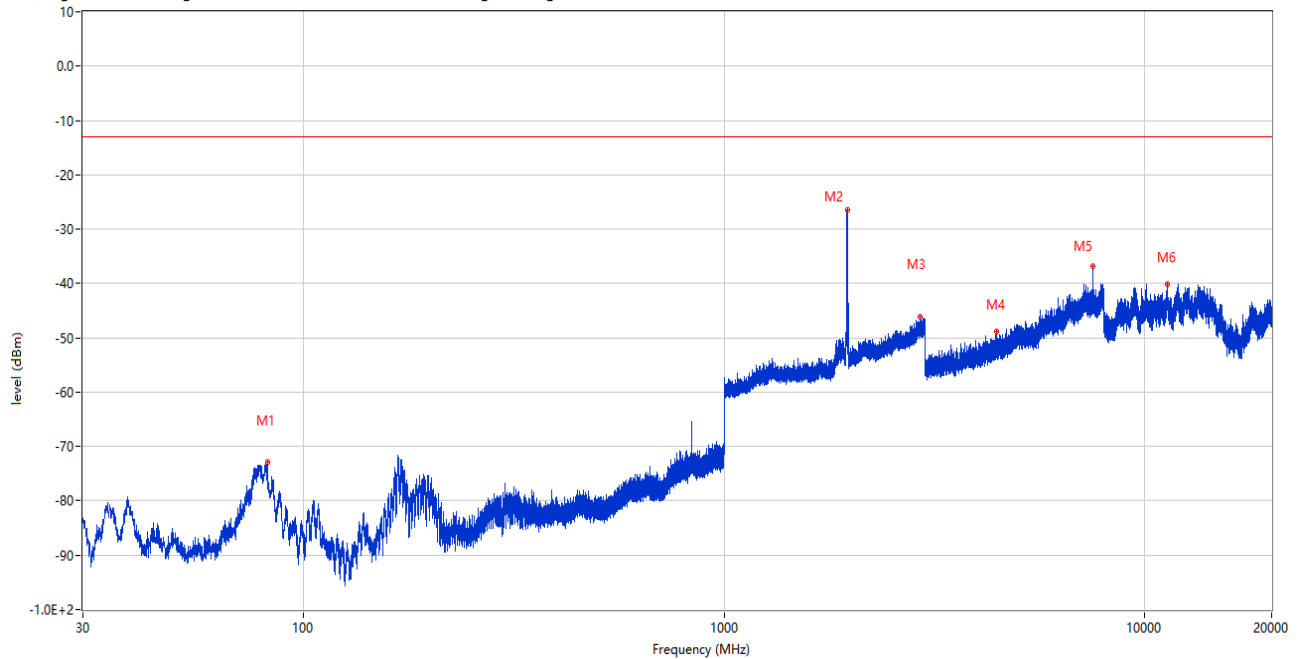
| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 839.998         | -56.41       | 5.85        | -13.0       | 43.41       | 116.00    | Vertical | Horizontal | N/A     |
| 892.621         | -45.61       | 4.53        | -13.0       | 32.61       | 64.00     | Vertical | Horizontal | N/A     |
| 1695.000        | -55.91       | -4.84       | -13.0       | 42.91       | 301.00    | Vertical | Horizontal | Pass    |
| 2632.800        | -53.34       | 0.51        | -13.0       | 40.34       | 172.00    | Vertical | Horizontal | Pass    |
| 6576.750        | -41.26       | 13.23       | -13.0       | 28.26       | 218.00    | Vertical | Horizontal | Pass    |
| 9455.400        | -40.54       | 13.67       | -13.0       | 27.54       | 3.00      | Vertical | Horizontal | Pass    |

## 4. LTE

### 4.1 LTE Band 2

Band:LTE B2,Channel:MID range,BW:20M

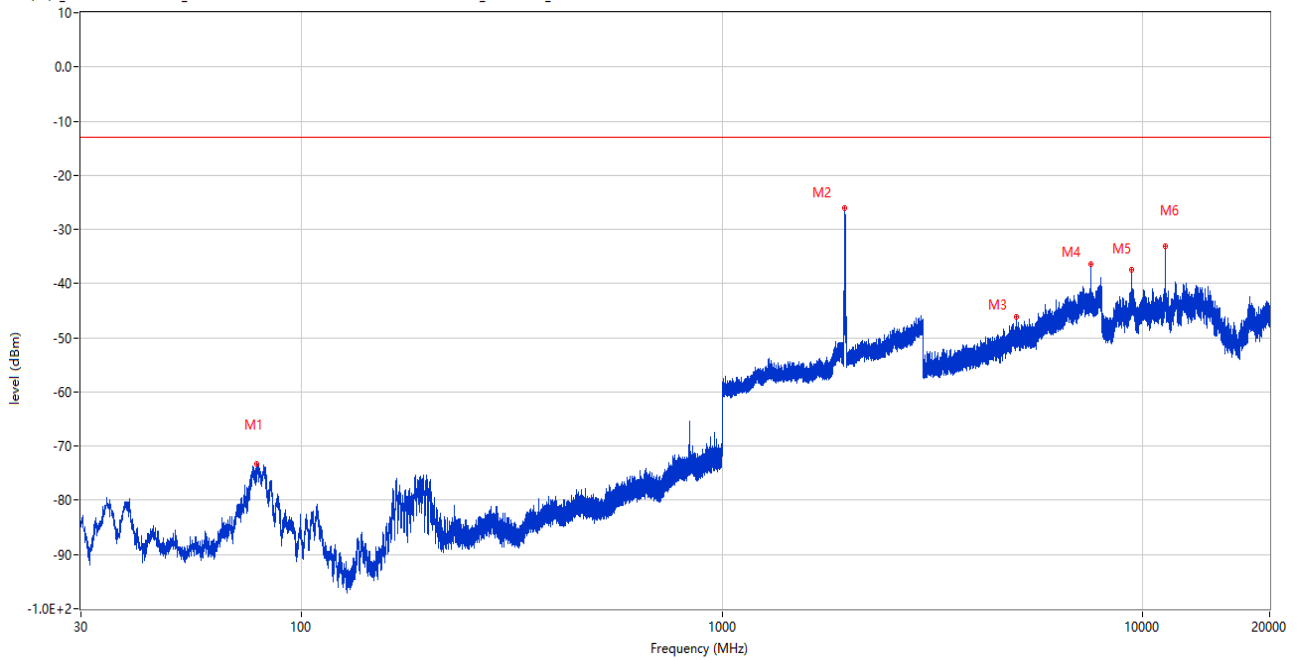
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25\_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 82.186          | -72.96       | -20.06      | -13.0       | 59.96       | 0.00      | Horizontal | Horizontal | Pass    |
| 1963.500        | -26.46       | 1.12        | -13.0       | 13.46       | 249.00    | Horizontal | Horizontal | N/A     |
| 2915.900        | -46.10       | 8.61        | -13.0       | 33.10       | 51.00     | Horizontal | Horizontal | Pass    |
| 4445.250        | -48.82       | 7.16        | -13.0       | 35.82       | 126.00    | Horizontal | Horizontal | Pass    |
| 7520.250        | -36.79       | 13.94       | -13.0       | 23.79       | 209.00    | Horizontal | Horizontal | Pass    |
| 11293.650       | -40.14       | 14.10       | -13.0       | 27.14       | 360.00    | Horizontal | Horizontal | Pass    |

Band:LTE B2,Channel:MID range,BW:20M

RSE (RF) \_FCC PART22&24&27\_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 |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 78.597          | -73.23       | -20.27      | -13.0       | 60.23       | 20.00     | Horizontal | Vertical | Pass    |
| 1954.900        | -26.12       | 1.33        | -13.0       | 13.12       | 257.00    | Horizontal | Vertical | N/A     |
| 4997.750        | -46.22       | 9.12        | -13.0       | 33.22       | 360.00    | Horizontal | Vertical | Pass    |
| 7520.250        | -36.35       | 13.94       | -13.0       | 23.35       | 126.00    | Horizontal | Vertical | Pass    |
| 9400.063        | -37.37       | 13.37       | -13.0       | 24.37       | 248.00    | Horizontal | Vertical | Pass    |
| 11280.113       | -33.12       | 13.88       | -13.0       | 20.12       | 132.00    | Horizontal | Vertical | Pass    |

Band:LTE B2,Channel:MID range,BW:20M

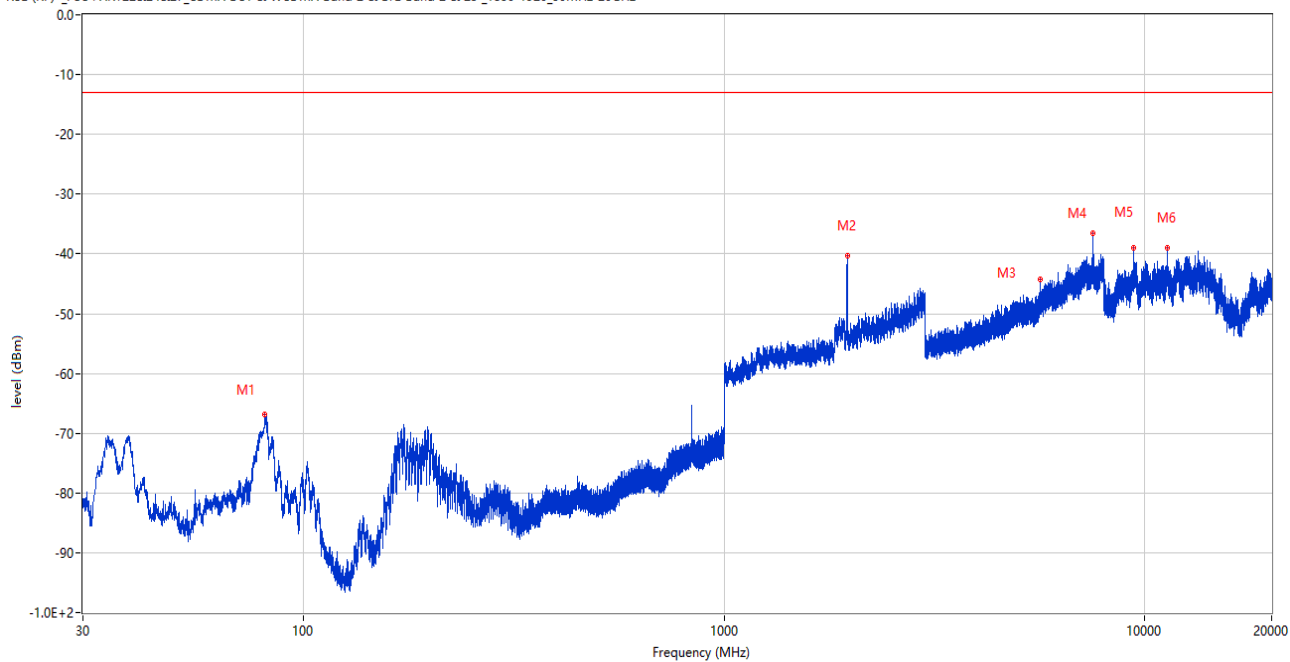
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 1967.000        | -39.49       | 1.09        | -13.0       | 26.49       | 333.00    | Vertical | Vertical | N/A     |
| 2885.100        | -45.38       | 8.35        | -13.0       | 32.38       | 37.00     | Vertical | Vertical | Pass    |
| 5640.250        | -43.69       | 9.94        | -13.0       | 30.69       | 360.00    | Vertical | Vertical | Pass    |
| 7519.750        | -38.95       | 13.95       | -13.0       | 25.95       | 92.00     | Vertical | Vertical | Pass    |
| 9400.063        | -39.38       | 13.37       | -13.0       | 26.38       | 149.00    | Vertical | Vertical | Pass    |
| 11280.113       | -38.97       | 13.88       | -13.0       | 25.97       | 125.00    | Vertical | Vertical | Pass    |

Band:LTE B2,Channel:MID range,BW:20M

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

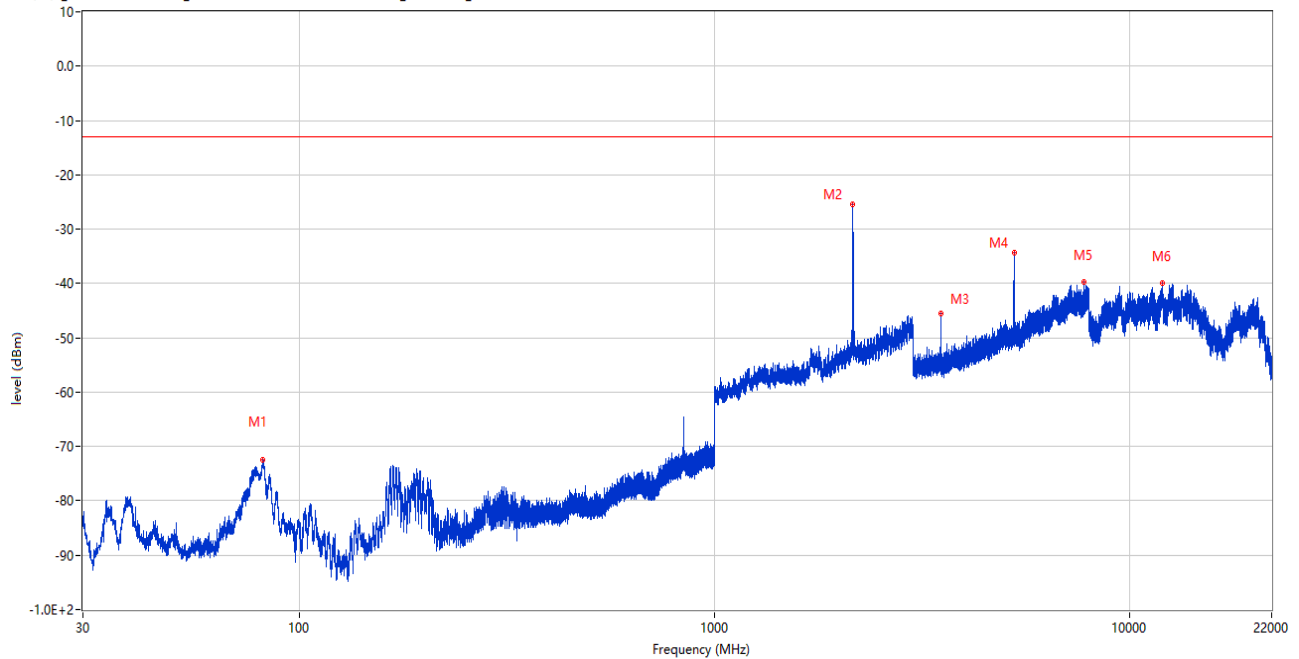


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 81.216          | -66.89       | -20.38      | -13.0       | 53.89       | 3.00      | Vertical | Horizontal | Pass    |
| 1965.000        | -40.24       | 1.12        | -13.0       | 27.24       | 131.00    | Vertical | Horizontal | N/A     |
| 5640.500        | -44.28       | 9.94        | -13.0       | 31.28       | 359.00    | Vertical | Horizontal | Pass    |
| 7520.500        | -36.53       | 13.95       | -13.0       | 23.53       | 185.00    | Vertical | Horizontal | Pass    |
| 9400.300        | -38.90       | 13.37       | -13.0       | 25.90       | 29.00     | Vertical | Horizontal | Pass    |
| 11279.638       | -39.03       | 13.87       | -13.0       | 26.03       | 76.00     | Vertical | Horizontal | Pass    |

## 4.2 LTE Band 4

Band:LTE B4,Channel:HIGH range,BW:10M

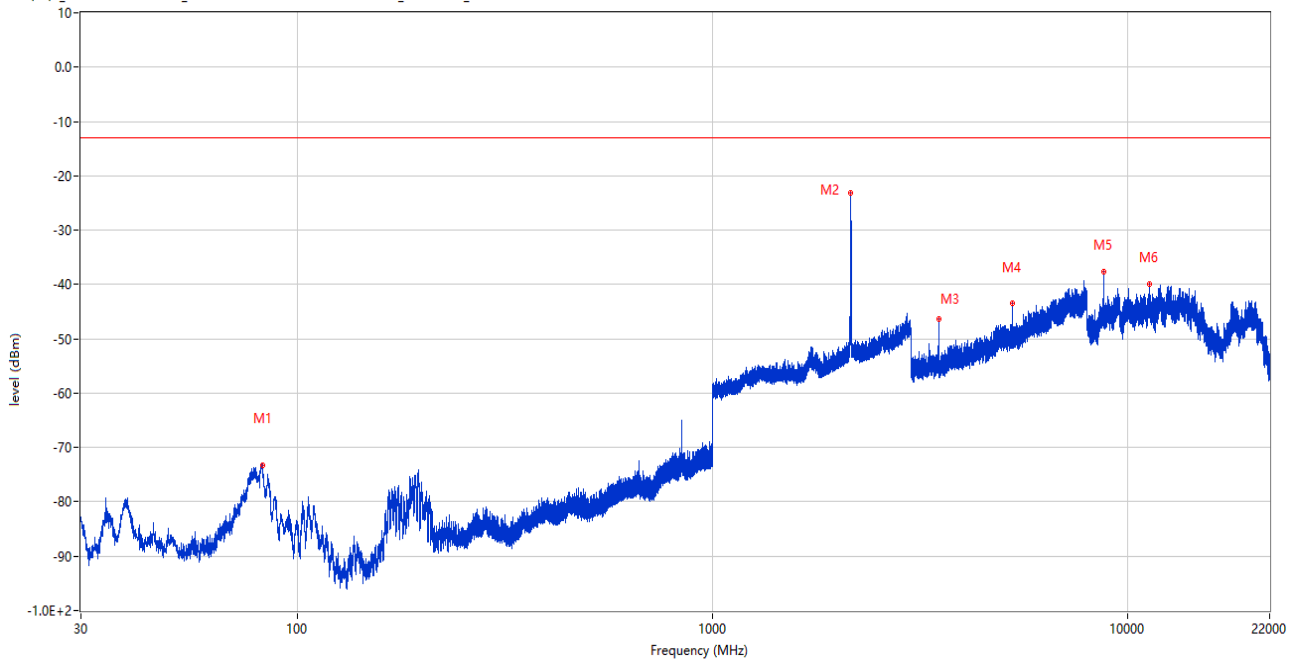
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66 \_1710-1785\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 81.507          | -72.51       | -20.30      | -13.0       | 59.51       | 354.00    | Horizontal | Horizontal | Pass    |
| 2151.900        | -25.48       | 3.05        | -13.0       | 12.48       | 238.00    | Horizontal | Horizontal | N/A     |
| 3509.250        | -45.54       | 4.40        | -13.0       | 32.54       | 2.00      | Horizontal | Horizontal | Pass    |
| 5263.750        | -34.26       | 7.92        | -13.0       | 21.26       | 302.00    | Horizontal | Horizontal | Pass    |
| 7775.250        | -39.73       | 14.46       | -13.0       | 26.73       | 359.00    | Horizontal | Horizontal | Pass    |
| 11989.049       | -40.02       | 14.02       | -13.0       | 27.02       | 85.00     | Horizontal | Horizontal | Pass    |

Band:LTE B4,Channel:HIGH range,BW:10M

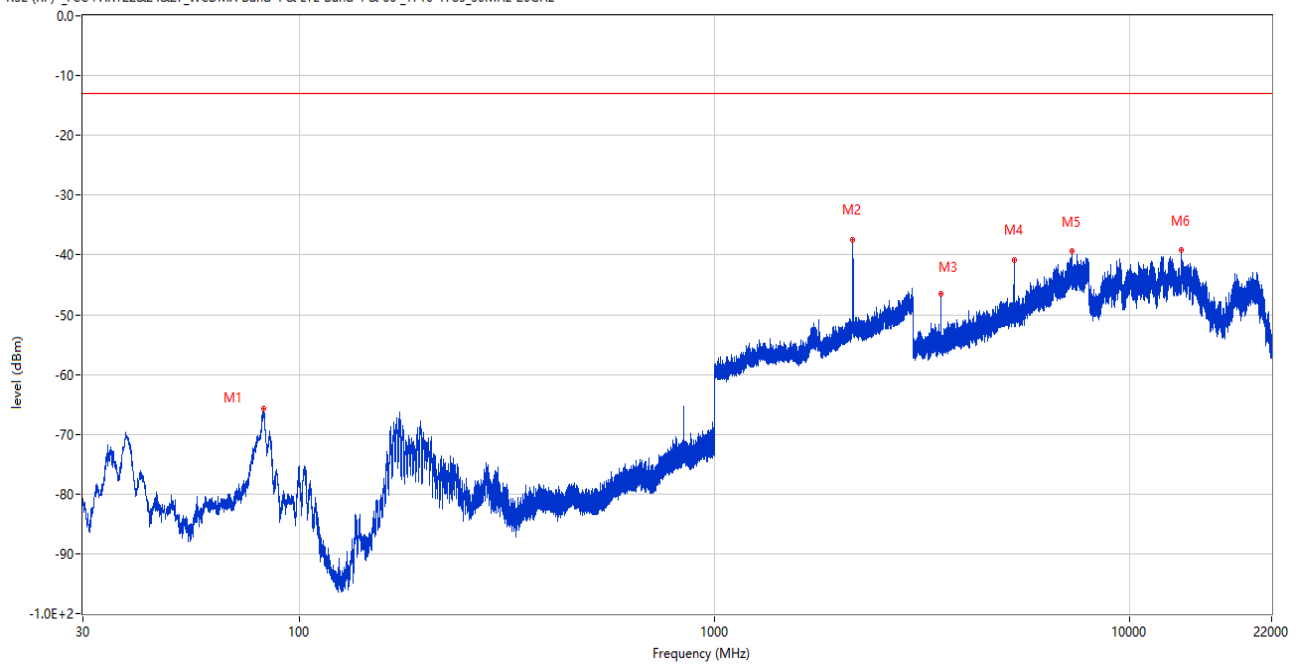
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66 \_1710-1785\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 82.234          | -73.22       | -20.05      | -13.0       | 60.22       | 0.00      | Horizontal | Vertical | Pass    |
| 2147.500        | -23.09       | 3.06        | -13.0       | 10.09       | 230.00    | Horizontal | Vertical | N/A     |
| 3509.250        | -46.25       | 4.40        | -13.0       | 33.25       | 360.00    | Horizontal | Vertical | Pass    |
| 5263.500        | -43.40       | 7.92        | -13.0       | 30.40       | 223.00    | Horizontal | Vertical | Pass    |
| 8773.063        | -37.67       | 12.52       | -13.0       | 24.67       | 161.00    | Horizontal | Vertical | Pass    |
| 11294.599       | -39.93       | 14.12       | -13.0       | 26.93       | 92.00     | Horizontal | Vertical | Pass    |

Band:LTE B4,Channel:HIGH range,BW:10M

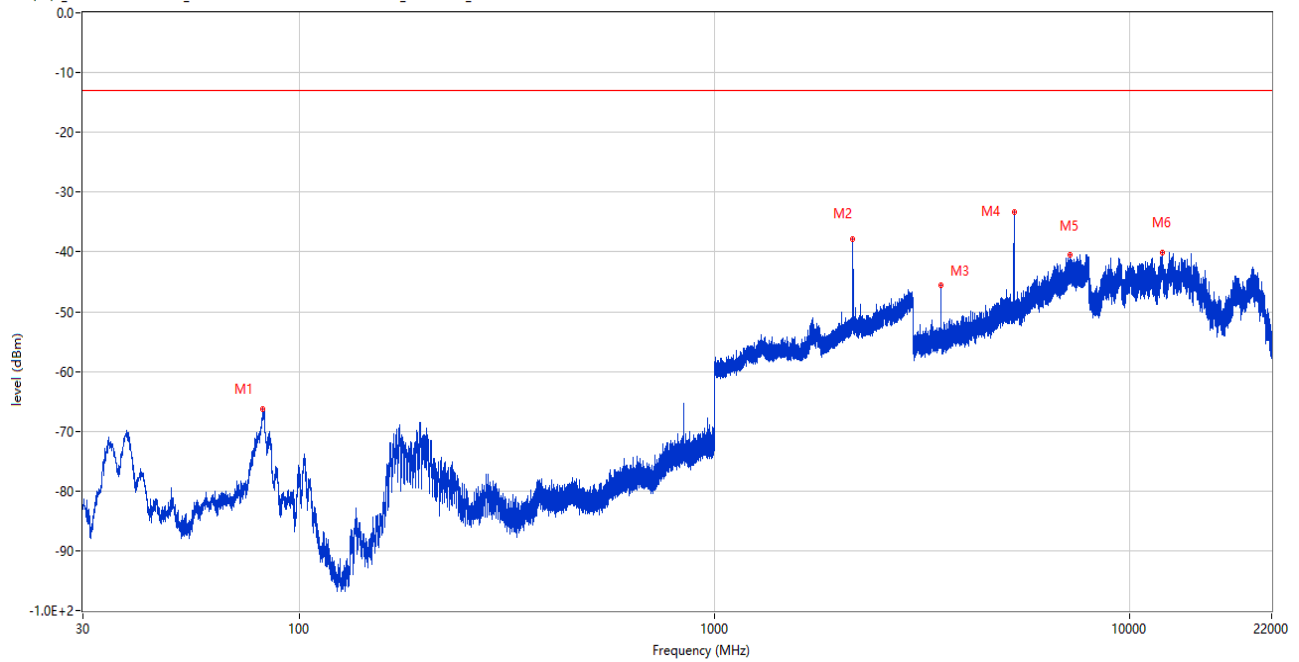
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66 \_1710-1785\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 81.749          | -65.65       | -20.22      | -13.0       | 52.65       | 360.00    | Vertical | Vertical | Pass    |
| 2153.900        | -37.45       | 3.04        | -13.0       | 24.45       | 149.00    | Vertical | Vertical | N/A     |
| 3509.250        | -46.47       | 4.40        | -13.0       | 33.47       | 135.00    | Vertical | Vertical | Pass    |
| 5264.000        | -40.86       | 7.91        | -13.0       | 27.86       | 359.00    | Vertical | Vertical | Pass    |
| 7264.750        | -39.44       | 14.40       | -13.0       | 26.44       | 287.00    | Vertical | Vertical | Pass    |
| 13342.000       | -39.25       | 16.50       | -13.0       | 26.25       | 3.00      | Vertical | Vertical | Pass    |

Band:LTE B4,Channel:HIGH range,BW:10M

RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66 \_1710-1785\_30MHz-20GHz

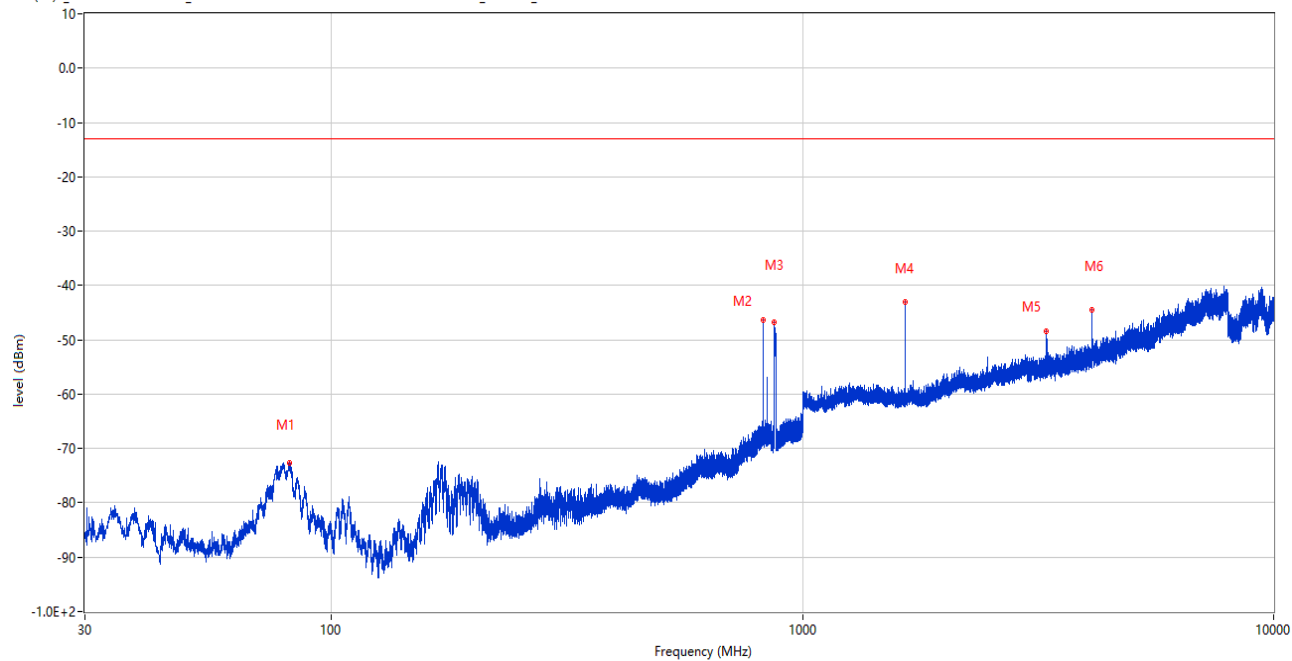


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 81.410          | -66.33       | -20.33      | -13.0       | 53.33       | 290.00    | Vertical | Horizontal | Pass    |
| 2151.300        | -37.84       | 3.04        | -13.0       | 24.84       | 333.00    | Vertical | Horizontal | N/A     |
| 3509.500        | -45.49       | 4.37        | -13.0       | 32.49       | 197.00    | Vertical | Horizontal | Pass    |
| 5263.750        | -33.35       | 7.92        | -13.0       | 20.35       | 164.00    | Vertical | Horizontal | Pass    |
| 7192.000        | -40.55       | 14.05       | -13.0       | 27.55       | 1.00      | Vertical | Horizontal | Pass    |
| 12019.213       | -40.18       | 13.61       | -13.0       | 27.18       | 359.00    | Vertical | Horizontal | Pass    |

## 4.3 LTE Band 5

Band:LTE B5,Channel:LOW range,BW:10M

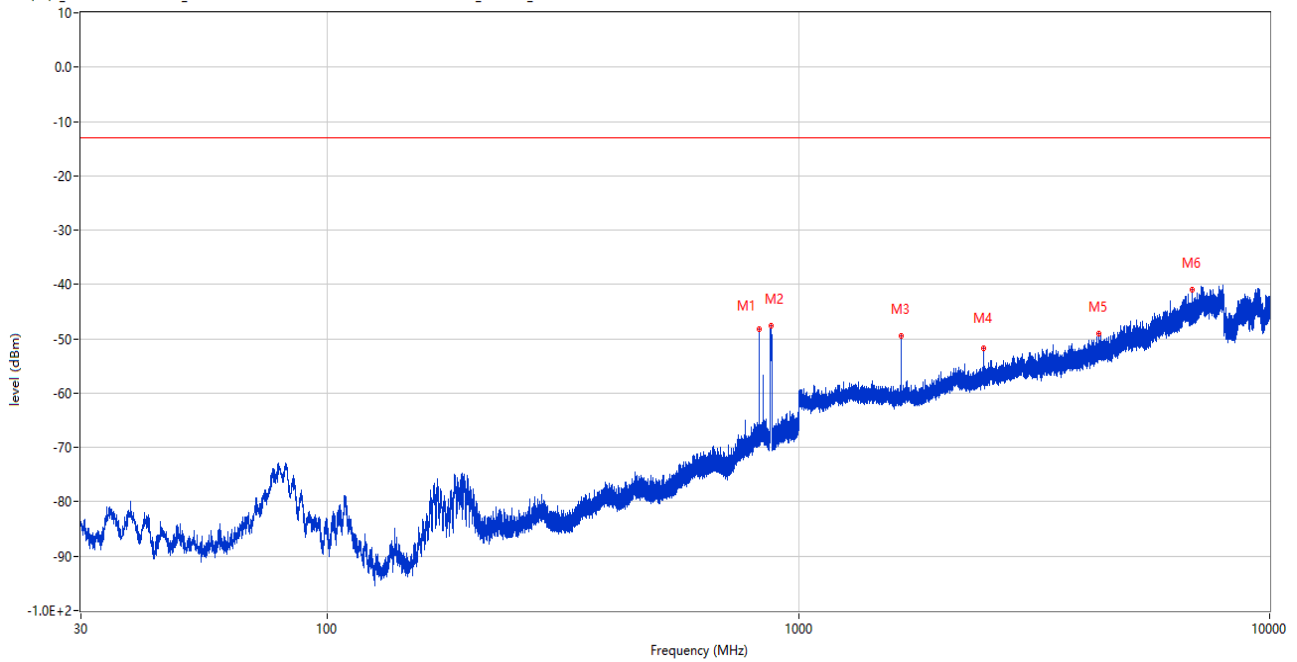
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 81.459          | -72.65       | -19.12      | -13.0       | 59.65       | 0.00      | Horizontal | Horizontal | Pass    |
| 824.624         | -46.25       | 5.20        | -13.0       | 33.25       | 234.00    | Horizontal | Horizontal | N/A     |
| 872.251         | -46.82       | 4.07        | -13.0       | 33.82       | 227.00    | Horizontal | Horizontal | N/A     |
| 1650.000        | -43.05       | -5.97       | -13.0       | 30.05       | 238.00    | Horizontal | Horizontal | Pass    |
| 3298.500        | -48.35       | 4.20        | -13.0       | 35.35       | 342.00    | Horizontal | Horizontal | Pass    |
| 4123.500        | -44.40       | 7.10        | -13.0       | 31.40       | 206.00    | Horizontal | Horizontal | Pass    |

Band:LTE B5,Channel:LOW range,BW:10M

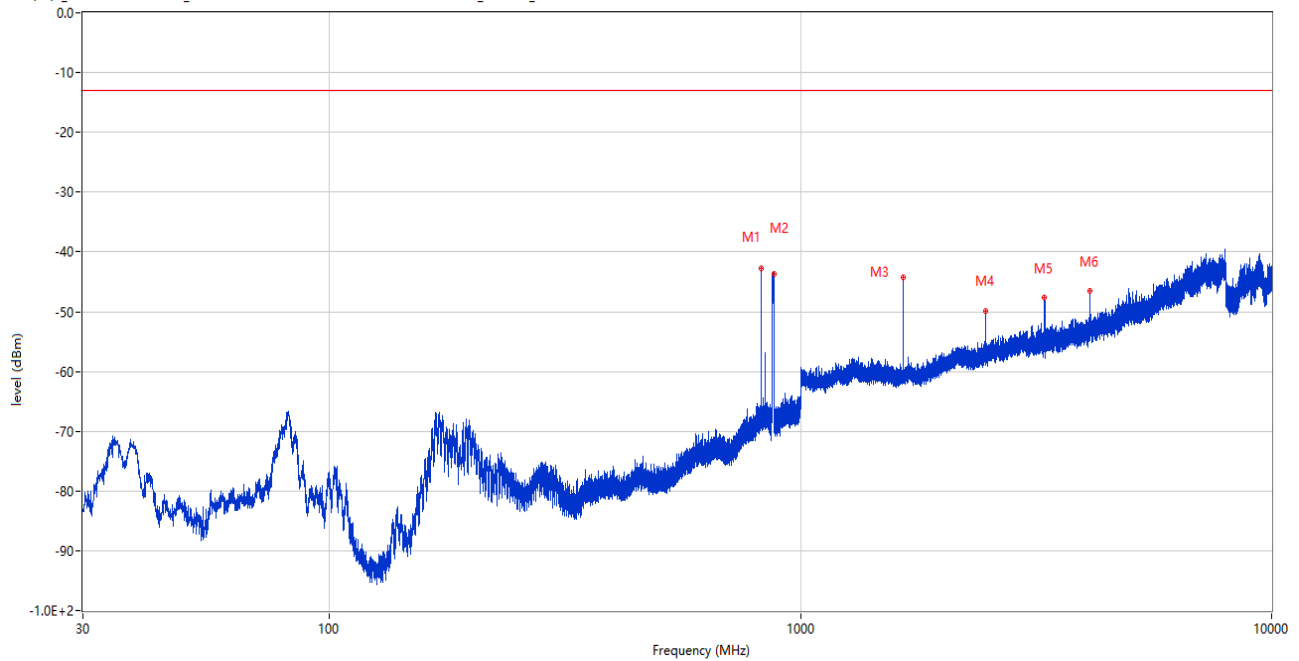
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 824.673         | -48.21       | 5.21        | -13.0       | 35.21       | 4.00      | Horizontal | Vertical | N/A     |
| 876.616         | -47.52       | 3.90        | -13.0       | 34.52       | 226.00    | Horizontal | Vertical | N/A     |
| 1649.900        | -49.41       | -5.97       | -13.0       | 36.41       | 2.00      | Horizontal | Vertical | Pass    |
| 2474.200        | -51.83       | -1.51       | -13.0       | 38.83       | 335.00    | Horizontal | Vertical | Pass    |
| 4350.000        | -49.04       | 7.35        | -13.0       | 36.04       | 96.00     | Horizontal | Vertical | Pass    |
| 6856.500        | -41.04       | 12.77       | -13.0       | 28.04       | 264.00    | Horizontal | Vertical | Pass    |

Band:LTE B5,Channel:LOW range,BW:10M

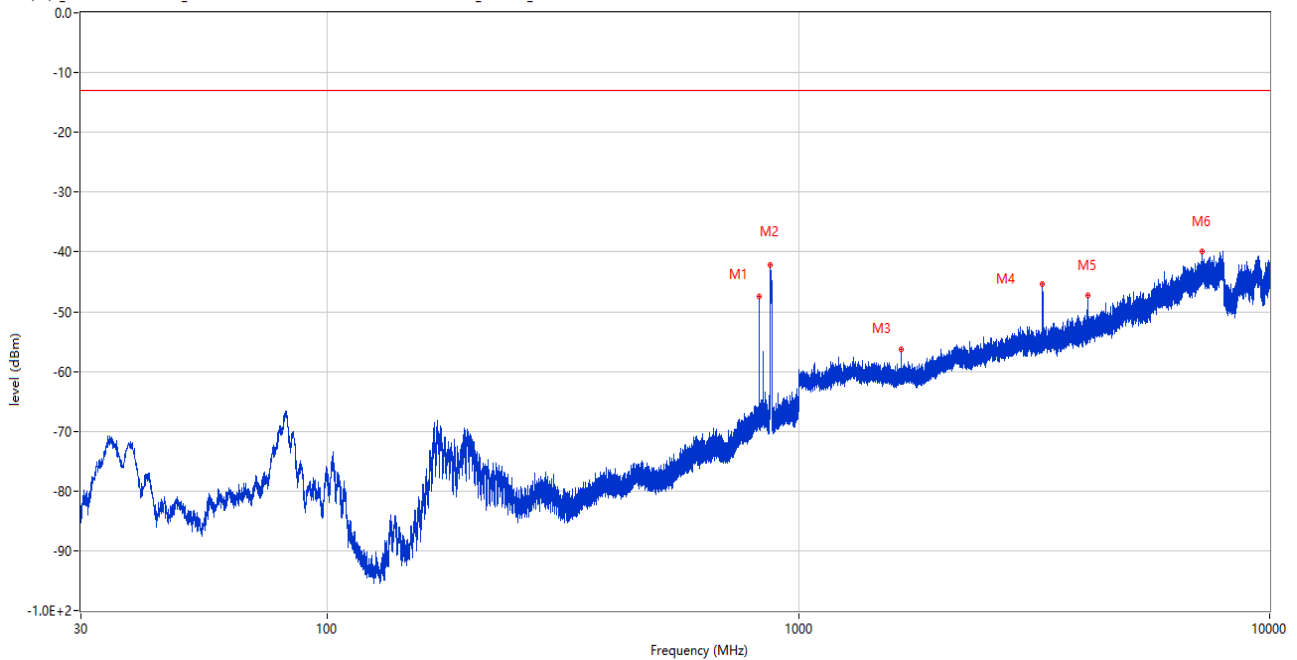
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 824.673         | -42.77       | 5.21        | -13.0       | 29.77       | 10.00     | Vertical | Vertical | N/A     |
| 877.877         | -43.69       | 3.90        | -13.0       | 30.69       | 186.00    | Vertical | Vertical | N/A     |
| 1650.000        | -44.31       | -5.97       | -13.0       | 31.31       | 267.00    | Vertical | Vertical | Pass    |
| 2474.600        | -49.83       | -1.49       | -13.0       | 36.83       | 359.00    | Vertical | Vertical | Pass    |
| 3299.000        | -47.73       | 4.24        | -13.0       | 34.73       | 0.00      | Vertical | Vertical | Pass    |
| 4123.500        | -46.57       | 7.10        | -13.0       | 33.57       | 258.00    | Vertical | Vertical | Pass    |

Band:LTE B5,Channel:LOW range,BW:10M

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

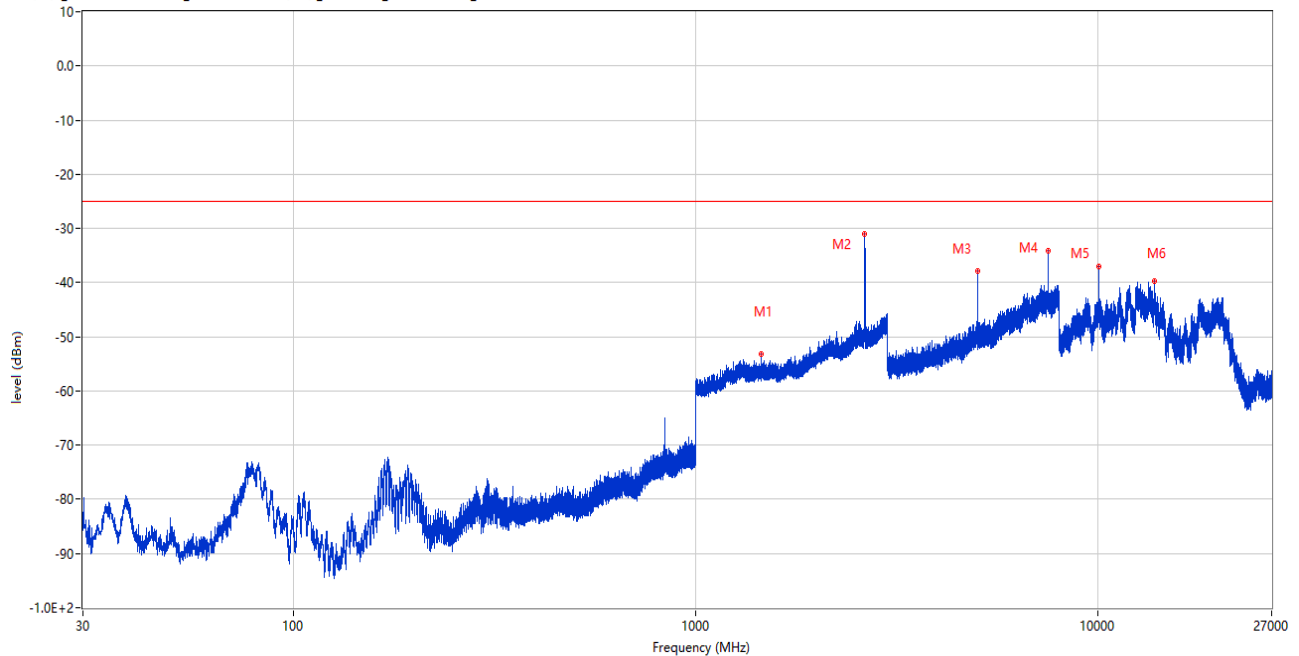


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 824.624         | -47.44       | 5.20        | -13.0       | 34.44       | 0.00      | Vertical | Horizontal | N/A     |
| 870.311         | -42.18       | 4.17        | -13.0       | 29.18       | 192.00    | Vertical | Horizontal | N/A     |
| 1650.000        | -56.30       | -5.97       | -13.0       | 43.30       | 200.00    | Vertical | Horizontal | Pass    |
| 3298.750        | -45.30       | 4.22        | -13.0       | 32.30       | 171.00    | Vertical | Horizontal | Pass    |
| 4123.500        | -47.21       | 7.10        | -13.0       | 34.21       | 171.00    | Vertical | Horizontal | Pass    |
| 7174.250        | -39.92       | 14.31       | -13.0       | 26.92       | 360.00    | Vertical | Horizontal | Pass    |

## 4.4 LTE Band 7

Band:LTE B7,Channel:LOW range,BW:15M

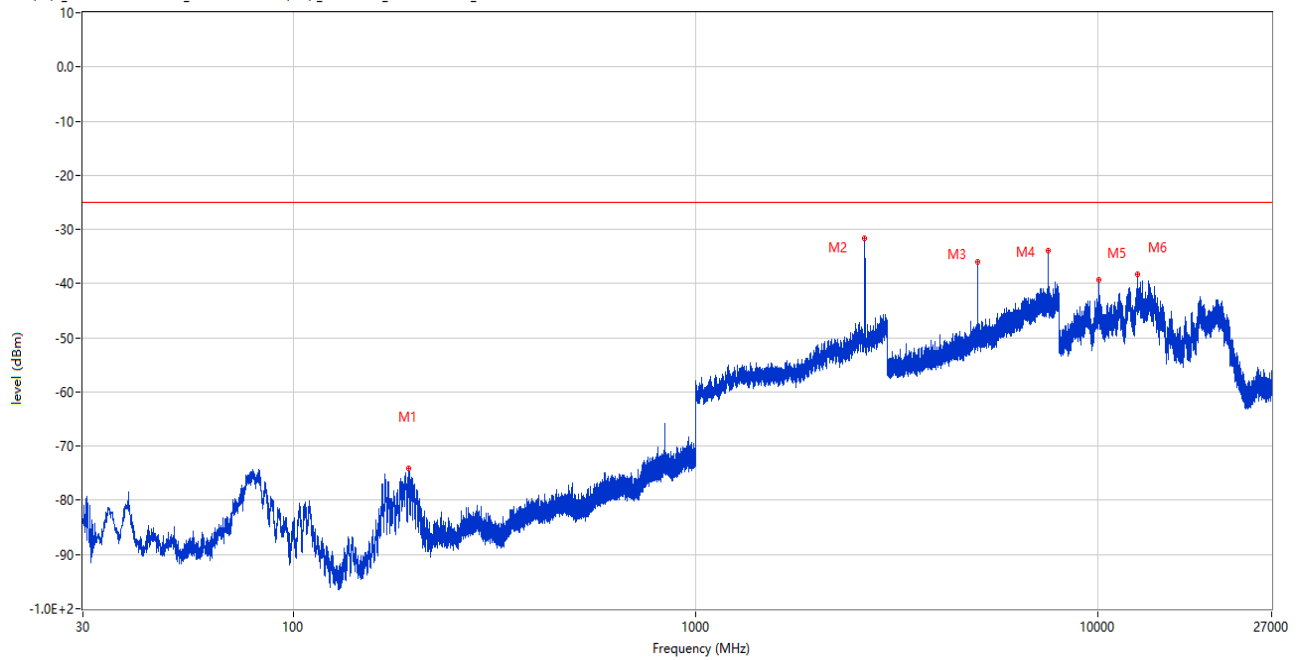
RSE (RF) \_FCC PART22&24&27\_LTE Band 7 & 41(low) \_2496-2570\_30MHz-27GHz\_



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1458.000        | -53.28       | -1.40       | -25.0       | 28.28       | 145.00    | Horizontal | Horizontal | Pass    |
| 2630.100        | -31.09       | 5.93        | -25.0       | 6.09        | 124.00    | Horizontal | Horizontal | N/A     |
| 5016.000        | -37.77       | 8.67        | -25.0       | 12.77       | 104.00    | Horizontal | Horizontal | Pass    |
| 7523.750        | -34.22       | 13.91       | -25.0       | 9.22        | 220.00    | Horizontal | Horizontal | Pass    |
| 10031.337       | -37.03       | 12.35       | -25.0       | 12.03       | 327.00    | Horizontal | Horizontal | Pass    |
| 13807.875       | -39.79       | 16.83       | -25.0       | 14.79       | 1.00      | Horizontal | Horizontal | Pass    |

Band:LTE B7,Channel:LOW range,BW:15M

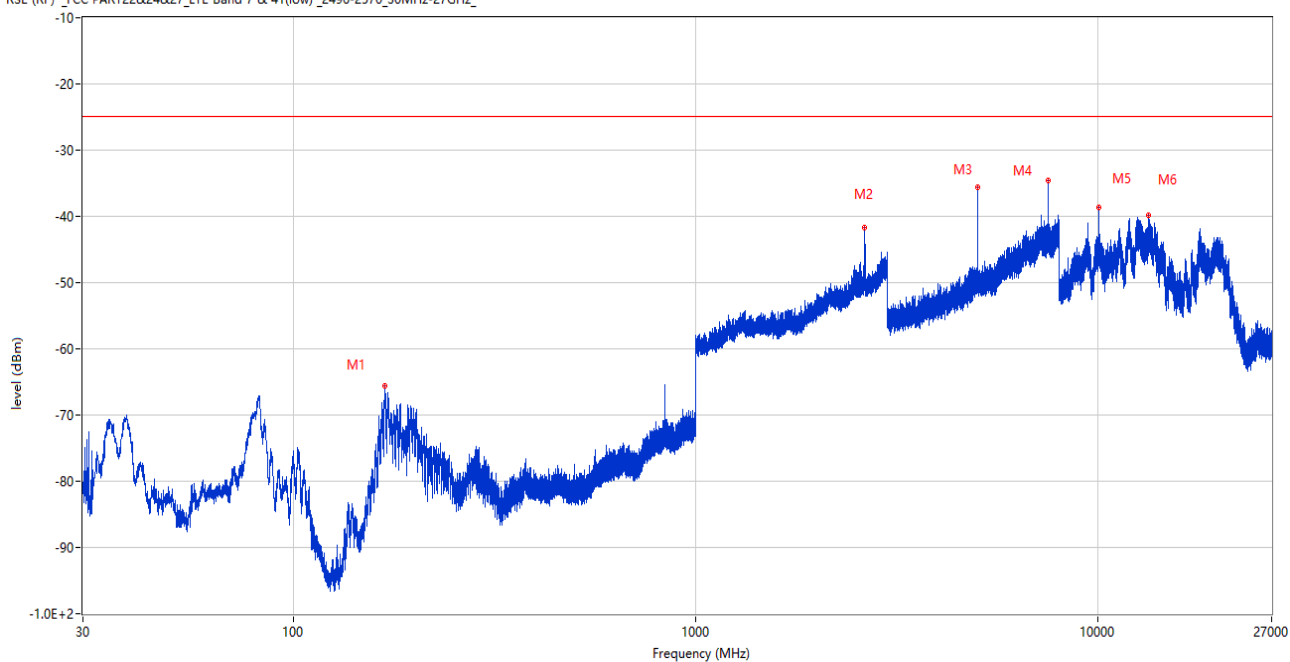
RSE (RF) \_FCC PART22&24&27\_LTE Band 7 & 41(low) \_2496-2570\_30MHz-27GHz\_



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 193.833         | -74.21       | -16.08      | -25.0       | 49.21       | 108.00    | Horizontal | Vertical | Pass    |
| 2627.500        | -31.59       | 5.95        | -25.0       | 6.59        | 200.00    | Horizontal | Vertical | N/A     |
| 5015.750        | -36.04       | 8.67        | -25.0       | 11.04       | 111.00    | Horizontal | Vertical | Pass    |
| 7523.750        | -33.99       | 13.91       | -25.0       | 8.99        | 1.00      | Horizontal | Vertical | Pass    |
| 10031.575       | -39.39       | 12.36       | -25.0       | 14.39       | 97.00     | Horizontal | Vertical | Pass    |
| 12539.099       | -38.26       | 14.09       | -25.0       | 13.26       | 189.00    | Horizontal | Vertical | Pass    |

Band:LTE B7,Channel:LOW range,BW:15M

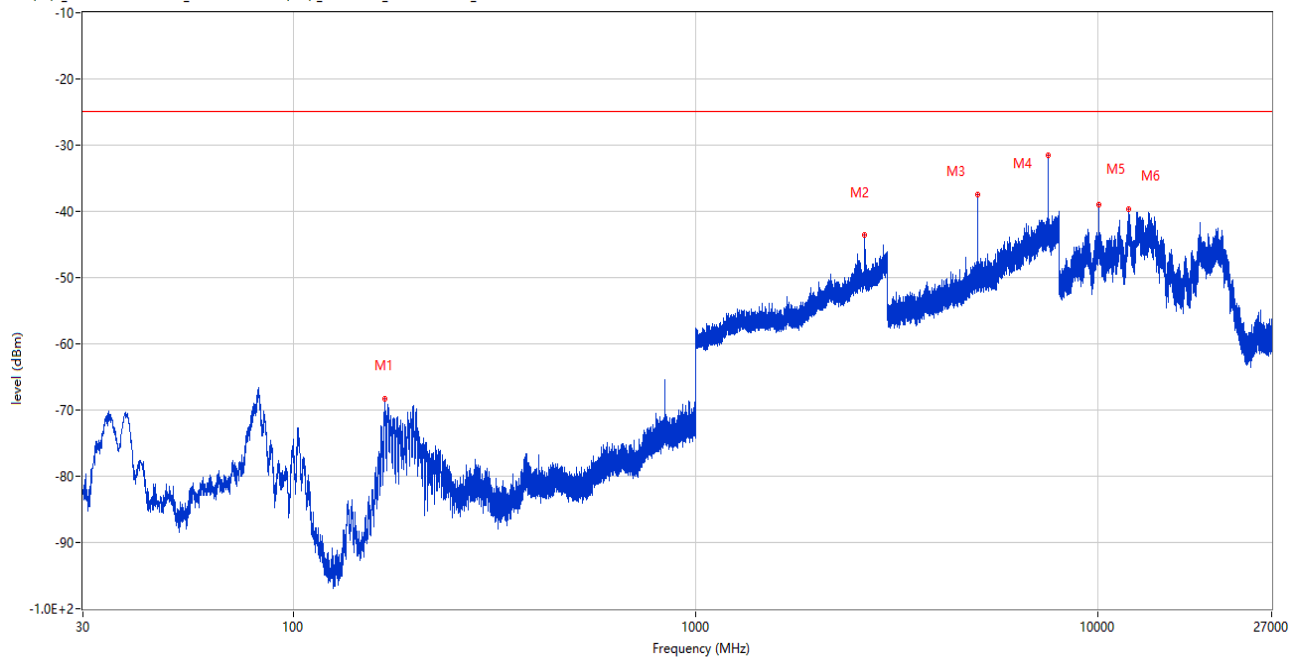
RSE (RF) \_FCC PART22&24&27\_LTE Band 7 & 41(low) \_2496-2570\_30MHz-27GHz\_



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 169.050         | -65.55       | -18.33      | -25.0       | 40.55       | 315.00    | Vertical | Vertical | Pass    |
| 2626.200        | -41.69       | 5.86        | -25.0       | 16.69       | 146.00    | Vertical | Vertical | N/A     |
| 5016.000        | -35.53       | 8.67        | -25.0       | 10.53       | 1.00      | Vertical | Vertical | Pass    |
| 7523.500        | -34.62       | 13.92       | -25.0       | 9.62        | 137.00    | Vertical | Vertical | Pass    |
| 10031.337       | -38.71       | 12.35       | -25.0       | 13.71       | 212.00    | Vertical | Vertical | Pass    |
| 13380.000       | -39.76       | 16.82       | -25.0       | 14.76       | 0.00      | Vertical | Vertical | Pass    |

Band:LTE B7,Channel:LOW range,BW:15M

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

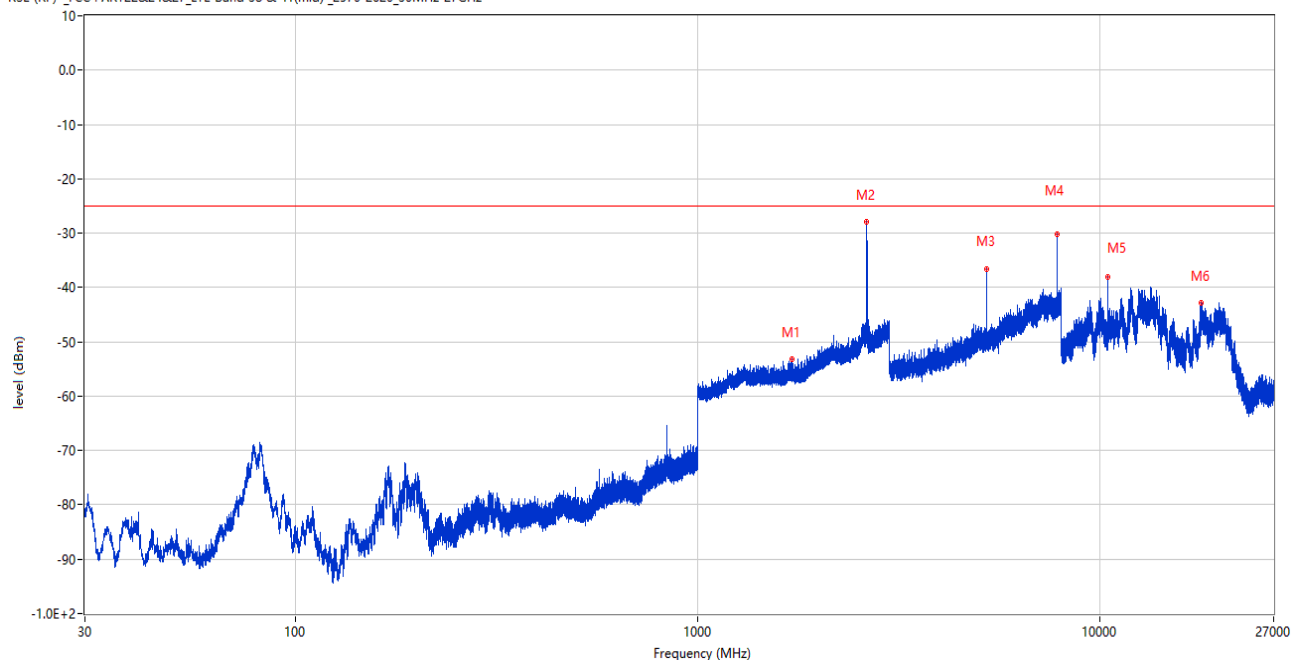


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 168.904         | -68.30       | -18.35      | -25.0       | 43.30       | 315.00    | Vertical | Horizontal | Pass    |
| 2628.800        | -43.49       | 5.96        | -25.0       | 18.49       | 347.00    | Vertical | Horizontal | N/A     |
| 5016.000        | -37.44       | 8.67        | -25.0       | 12.44       | 170.00    | Vertical | Horizontal | Pass    |
| 7523.750        | -31.45       | 13.91       | -25.0       | 6.45        | 202.00    | Vertical | Horizontal | Pass    |
| 10031.575       | -39.01       | 12.36       | -25.0       | 14.01       | 30.00     | Vertical | Horizontal | Pass    |
| 11926.587       | -39.64       | 13.98       | -25.0       | 14.64       | 188.00    | Vertical | Horizontal | Pass    |

## 4.5 LTE Band 38

Band:LTE B38,Channel:HIGH range,BW:15M

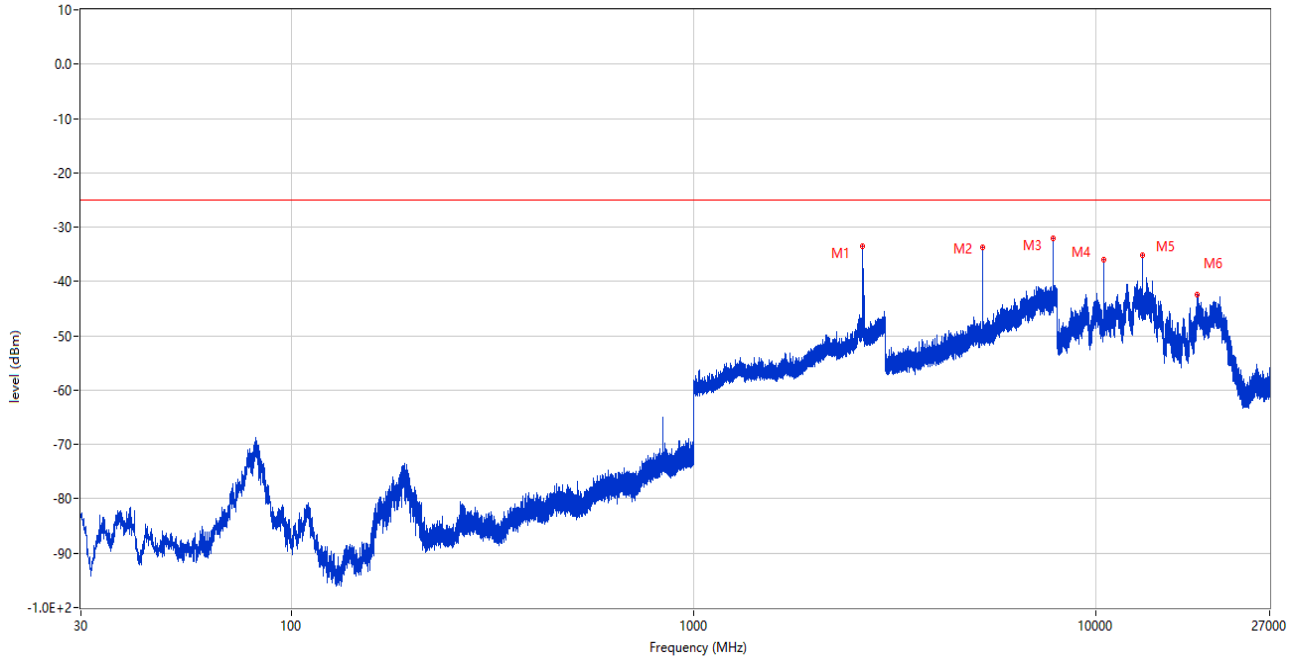
RSE (RF) \_FCC PART22&24&27\_LTE Band 38 & 41(mid) \_2570-2620\_30MHz-27GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1717.600        | -53.25       | -0.95       | -25.0       | 28.25       | 360.00    | Horizontal | Horizontal | Pass    |
| 2631.700        | -27.85       | 6.81        | -25.0       | 2.85        | 50.00     | Horizontal | Horizontal | N/A     |
| 5226.000        | -36.52       | 9.14        | -25.0       | 11.52       | 332.00    | Horizontal | Horizontal | Pass    |
| 7838.500        | -30.27       | 14.96       | -25.0       | 5.27        | 311.00    | Horizontal | Horizontal | Pass    |
| 10451.237       | -38.12       | 9.86        | -25.0       | 13.12       | 205.00    | Horizontal | Horizontal | Pass    |
| 17818.087       | -42.81       | 12.71       | -25.0       | 17.81       | 65.00     | Horizontal | Horizontal | Pass    |

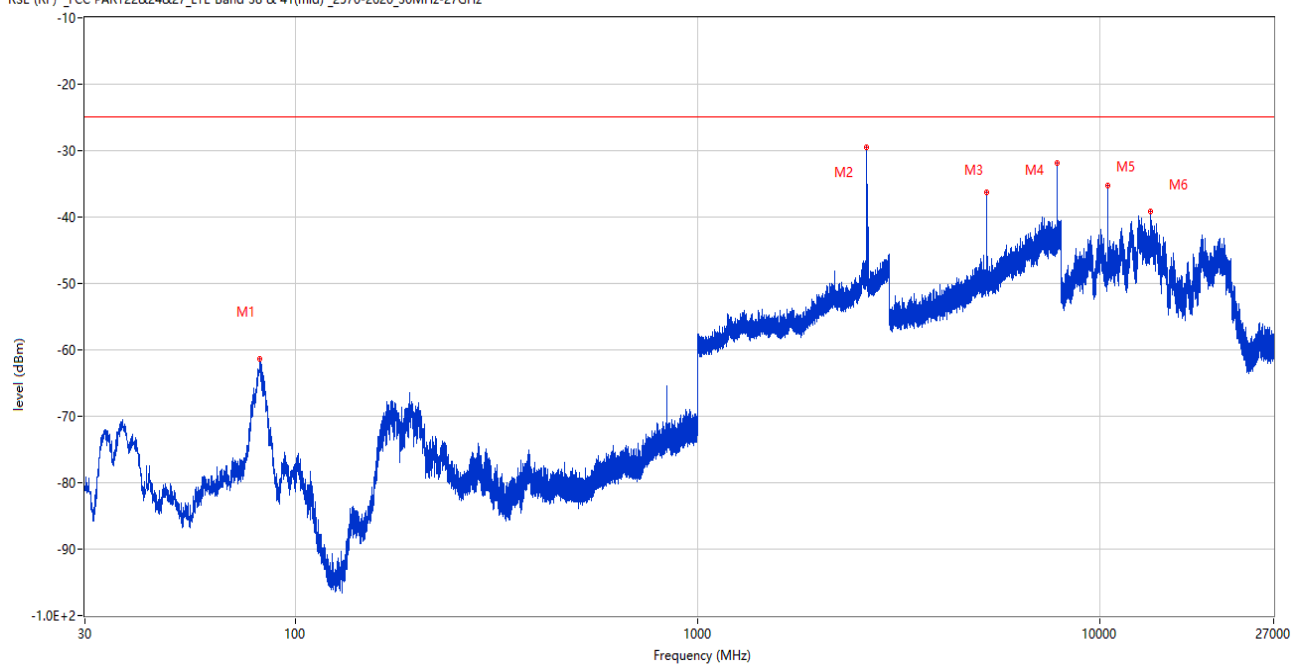
Band:LTE B38,Channel:HIGH range,BW:15M

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



Band:LTE B38,Channel:HIGH range,BW:15M

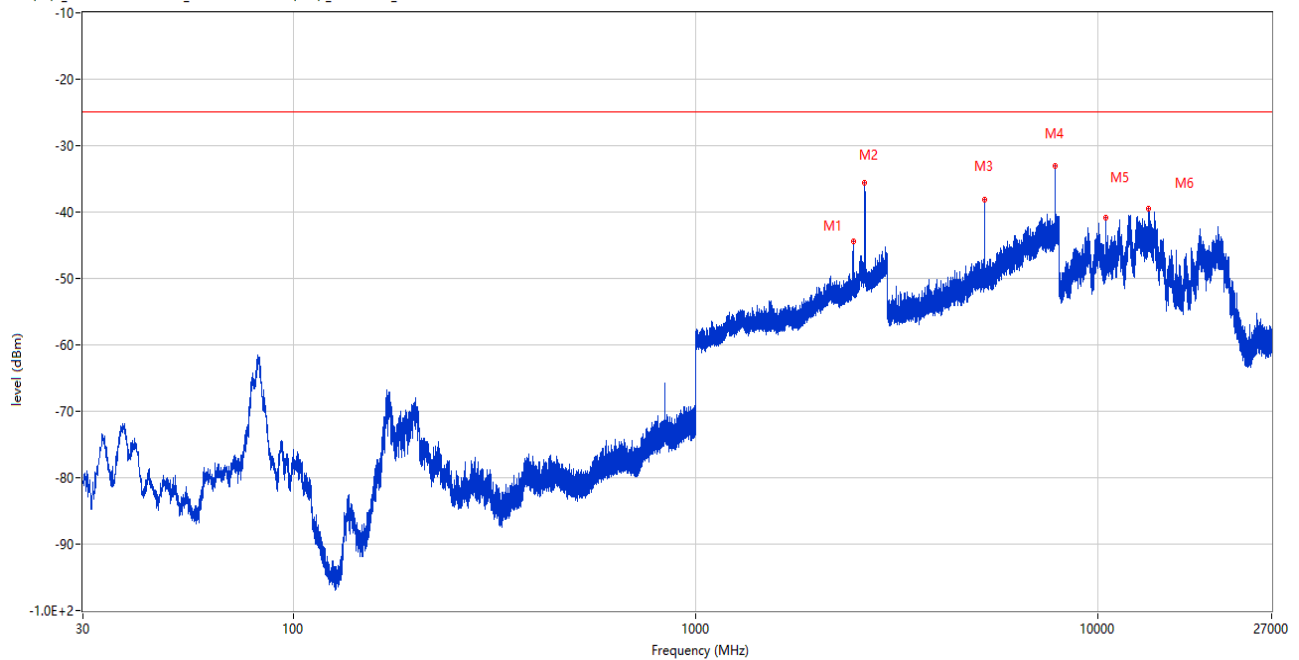
RSE (RF) \_FCC PART22&24&27\_LTE Band 38 & 41(mid) \_2570-2620\_30MHz-27GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 81.604          | -61.37       | -20.27      | -25.0       | 36.37       | 360.00    | Vertical | Vertical | Pass    |
| 2634.100        | -29.51       | 6.72        | -25.0       | 4.51        | 118.00    | Vertical | Vertical | N/A     |
| 5226.000        | -36.27       | 9.14        | -25.0       | 11.27       | 9.00      | Vertical | Vertical | Pass    |
| 7838.500        | -31.89       | 14.96       | -25.0       | 6.89        | 127.00    | Vertical | Vertical | Pass    |
| 10451.237       | -35.22       | 9.86        | -25.0       | 10.22       | 175.00    | Vertical | Vertical | Pass    |
| 13362.675       | -39.14       | 16.66       | -25.0       | 14.14       | 360.00    | Vertical | Vertical | Pass    |

Band:LTE B38,Channel:HIGH range,BW:15M

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

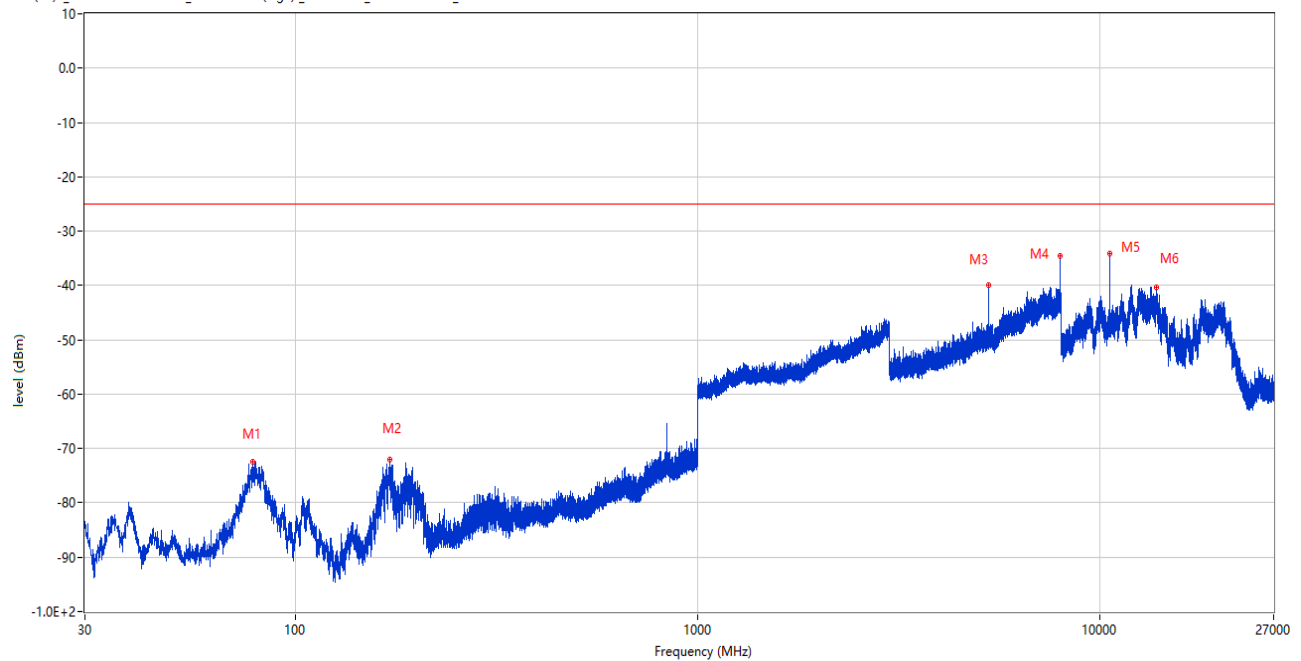


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 2461.900        | -44.41       | 4.83        | -25.0       | 19.41       | 299.00    | Vertical | Horizontal | Pass    |
| 2632.900        | -35.62       | 6.75        | -25.0       | 10.62       | 2.00      | Vertical | Horizontal | N/A     |
| 5225.750        | -38.08       | 9.14        | -25.0       | 13.08       | 135.00    | Vertical | Horizontal | Pass    |
| 7839.000        | -33.11       | 14.92       | -25.0       | 8.11        | 189.00    | Vertical | Horizontal | Pass    |
| 10451.237       | -40.79       | 9.86        | -25.0       | 15.79       | 242.00    | Vertical | Horizontal | Pass    |
| 13353.487       | -39.51       | 16.57       | -25.0       | 14.51       | 359.00    | Vertical | Horizontal | Pass    |

## 4.6 LTE Band 41

Band:LTE B41,Channel:HIGH range,BW:20M

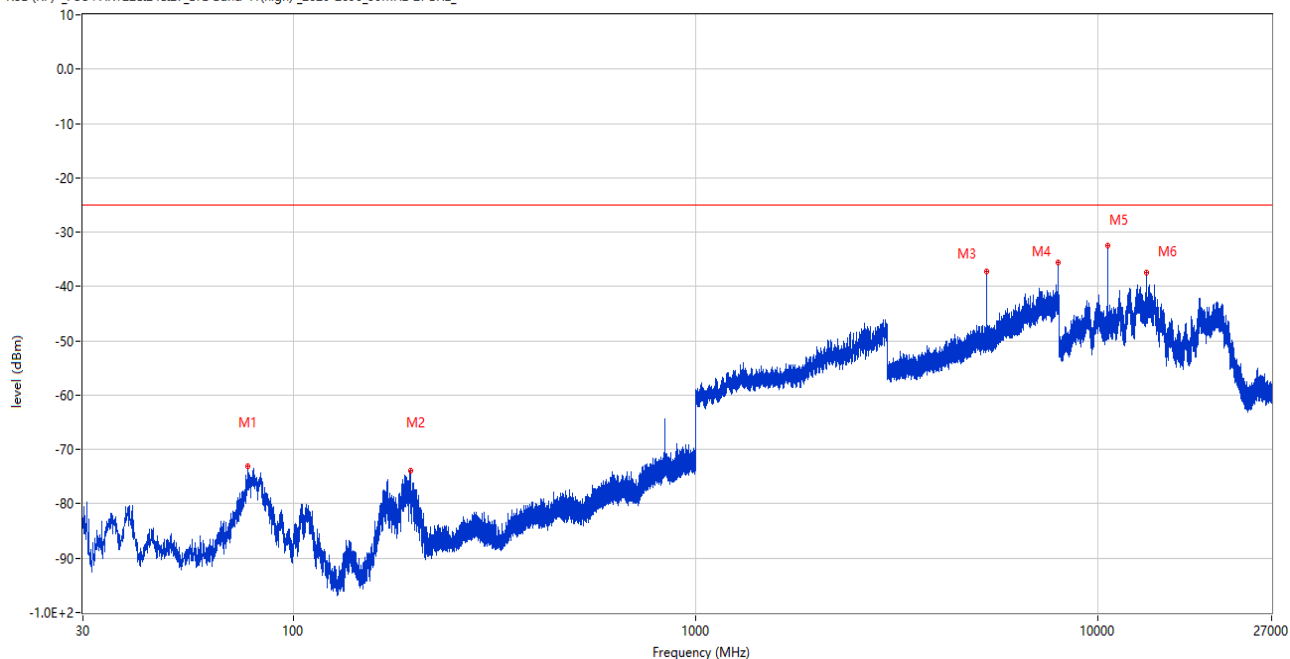
RSE (RF) \_FCC PART22&24&27\_LTE Band 41(high)\_2620-2690\_30MHz-27GHz\_



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 78.354          | -72.36       | -20.18      | -25.0       | 47.36       | 0.00      | Horizontal | Horizontal | Pass    |
| 171.523         | -72.08       | -18.27      | -25.0       | 47.08       | 78.00     | Horizontal | Horizontal | Pass    |
| 5290.250        | -39.92       | 8.08        | -25.0       | 14.92       | 329.00    | Horizontal | Horizontal | Pass    |
| 7935.000        | -34.47       | 15.09       | -25.0       | 9.47        | 345.00    | Horizontal | Horizontal | Pass    |
| 10580.200       | -34.21       | 10.45       | -25.0       | 9.21        | 189.00    | Horizontal | Horizontal | Pass    |
| 13813.913       | -40.25       | 16.68       | -25.0       | 15.25       | 272.00    | Horizontal | Horizontal | Pass    |

Band:LTE B41,Channel:HIGH range,BW:20M

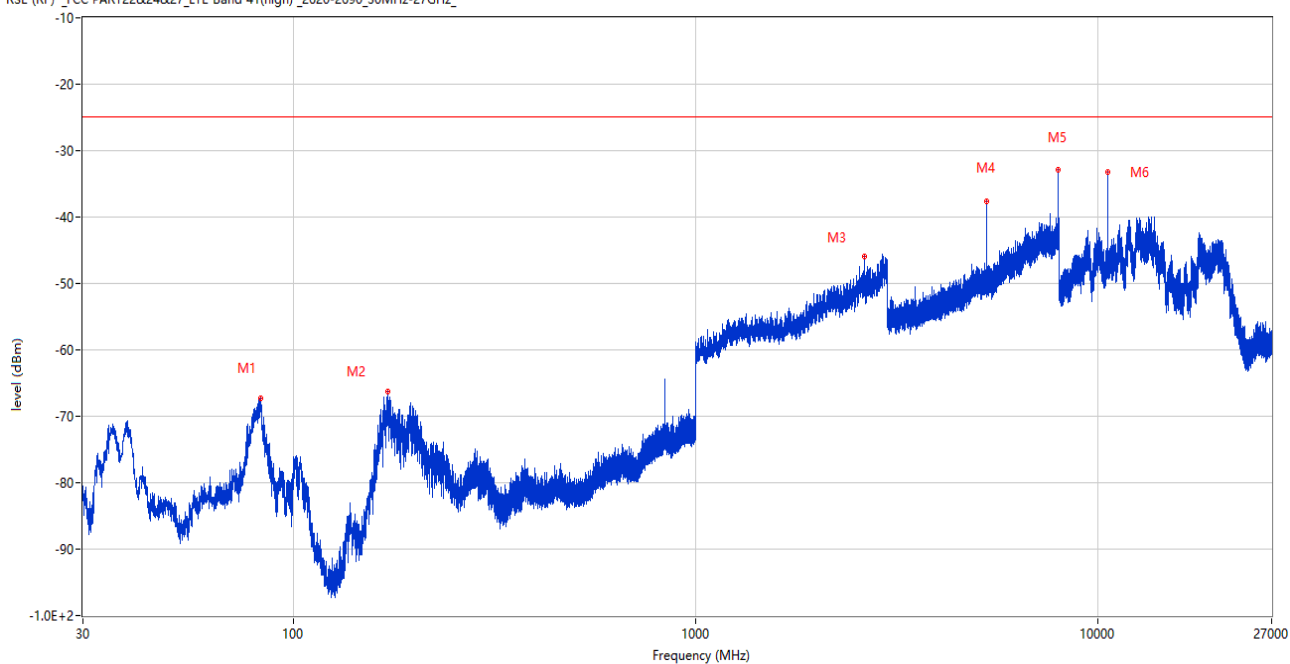
RSE (RF) \_FCC PART22&24&27\_LTE Band 41(high)\_2620-2690\_30MHz-27GHz\_



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 76.996          | -72.97       | -20.11      | -25.0       | 47.97       | 53.00     | Horizontal | Vertical | Pass    |
| 195.240         | -73.94       | -16.21      | -25.0       | 48.94       | 131.00    | Horizontal | Vertical | Pass    |
| 5290.250        | -37.32       | 8.08        | -25.0       | 12.32       | 171.00    | Horizontal | Vertical | Pass    |
| 7935.000        | -35.48       | 15.09       | -25.0       | 10.48       | 121.00    | Horizontal | Vertical | Pass    |
| 10580.200       | -32.39       | 10.45       | -25.0       | 7.39        | 188.00    | Horizontal | Vertical | Pass    |
| 13224.863       | -37.42       | 13.70       | -25.0       | 12.42       | 151.00    | Horizontal | Vertical | Pass    |

Band:LTE B41,Channel:HIGH range,BW:20M

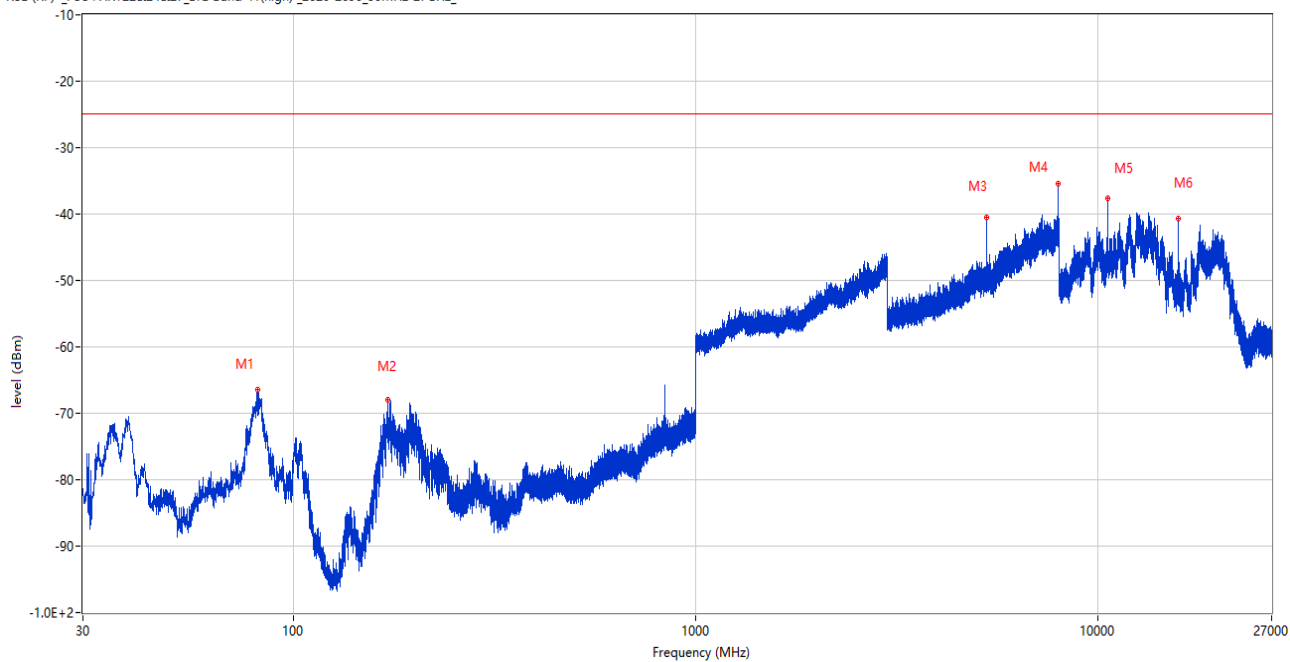
RSE (RF) \_FCC PART22&24&27\_LTE Band 41(high) \_2620-2690\_30MHz-27GHz\_



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 82.962          | -67.22       | -20.00      | -25.0       | 42.22       | 323.00    | Vertical | Vertical | Pass    |
| 171.426         | -66.20       | -18.27      | -25.0       | 41.20       | 297.00    | Vertical | Vertical | Pass    |
| 2625.900        | -45.98       | 6.48        | -25.0       | 20.98       | 134.00    | Vertical | Vertical | N/A     |
| 5290.250        | -37.55       | 8.08        | -25.0       | 12.55       | 360.00    | Vertical | Vertical | Pass    |
| 7935.000        | -32.93       | 15.09       | -25.0       | 7.93        | 142.00    | Vertical | Vertical | Pass    |
| 10579.963       | -33.30       | 10.47       | -25.0       | 8.30        | 140.00    | Vertical | Vertical | Pass    |

Band:LTE B41,Channel:HIGH range,BW:20M

RSE (RF) \_FCC PART22&24&27\_LTE Band 41(high)\_2620-2690\_30MHz-27GHz\_

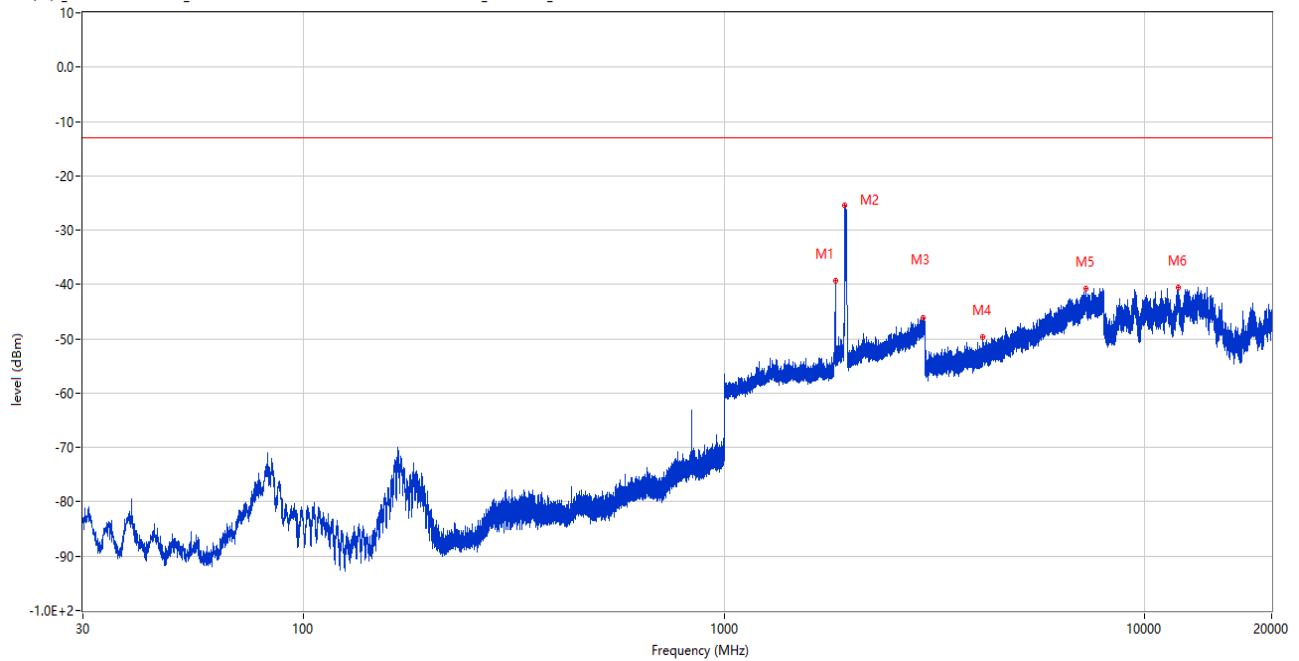


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 81.362          | -66.48       | -20.34      | -25.0       | 41.48       | 0.00      | Vertical | Horizontal | Pass    |
| 171.766         | -67.91       | -18.27      | -25.0       | 42.91       | 320.00    | Vertical | Horizontal | Pass    |
| 5290.500        | -40.49       | 8.08        | -25.0       | 15.49       | 0.00      | Vertical | Horizontal | Pass    |
| 7935.250        | -35.38       | 15.08       | -25.0       | 10.38       | 25.00     | Vertical | Horizontal | Pass    |
| 10580.200       | -37.63       | 10.45       | -25.0       | 12.63       | 165.00    | Vertical | Horizontal | Pass    |
| 15869.813       | -40.65       | 6.90        | -25.0       | 15.65       | 0.00      | Vertical | Horizontal | Pass    |

## 4.7 CA\_2C

Band:CA 2C,Channel:L+L range,BW:15M+15M

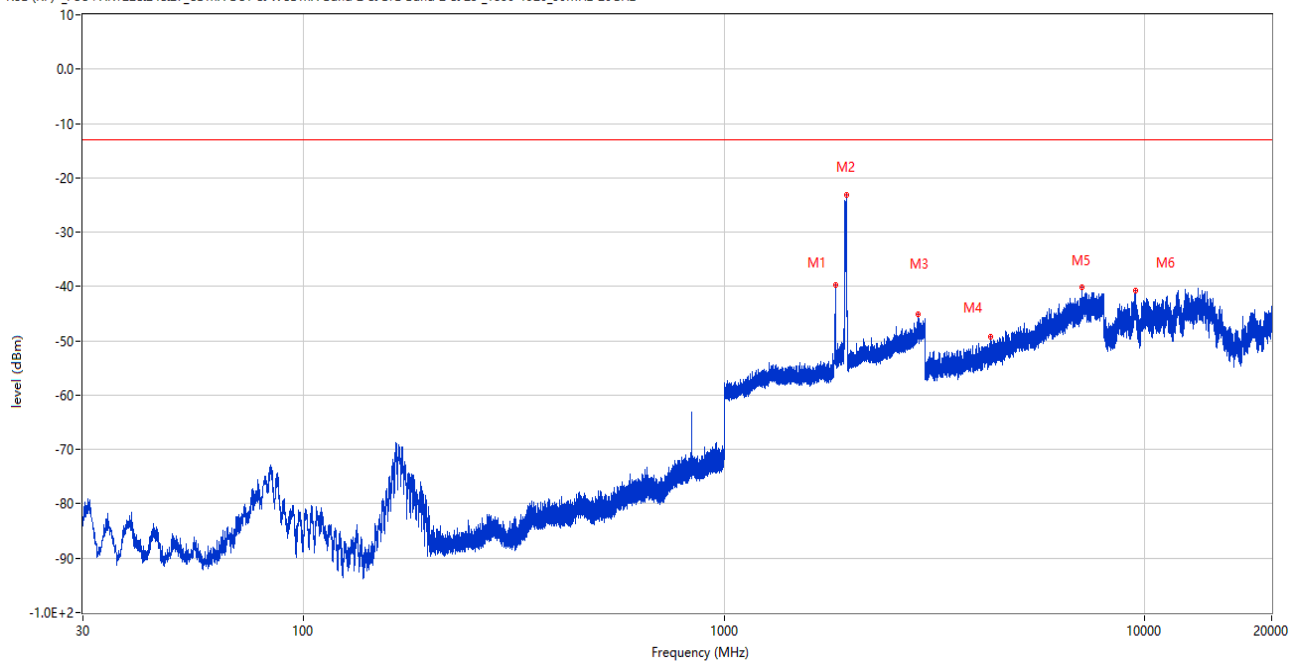
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 1841.100        | -39.41       | 1.80        | -13.0       | 26.41       | 359.00    | Horizontal | Horizontal | N/A     |
| 1934.500        | -25.36       | 1.77        | -13.0       | 12.36       | 235.00    | Horizontal | Horizontal | N/A     |
| 2967.800        | -46.18       | 9.26        | -13.0       | 33.18       | 235.00    | Horizontal | Horizontal | Pass    |
| 4125.000        | -49.66       | 7.06        | -13.0       | 36.66       | 0.00      | Horizontal | Horizontal | Pass    |
| 7225.250        | -40.82       | 14.32       | -13.0       | 27.82       | 0.00      | Horizontal | Horizontal | Pass    |
| 11980.738       | -40.56       | 14.02       | -13.0       | 27.56       | 360.00    | Horizontal | Horizontal | Pass    |

Band:CA 2C,Channel:L+L range,BW:15M+15M

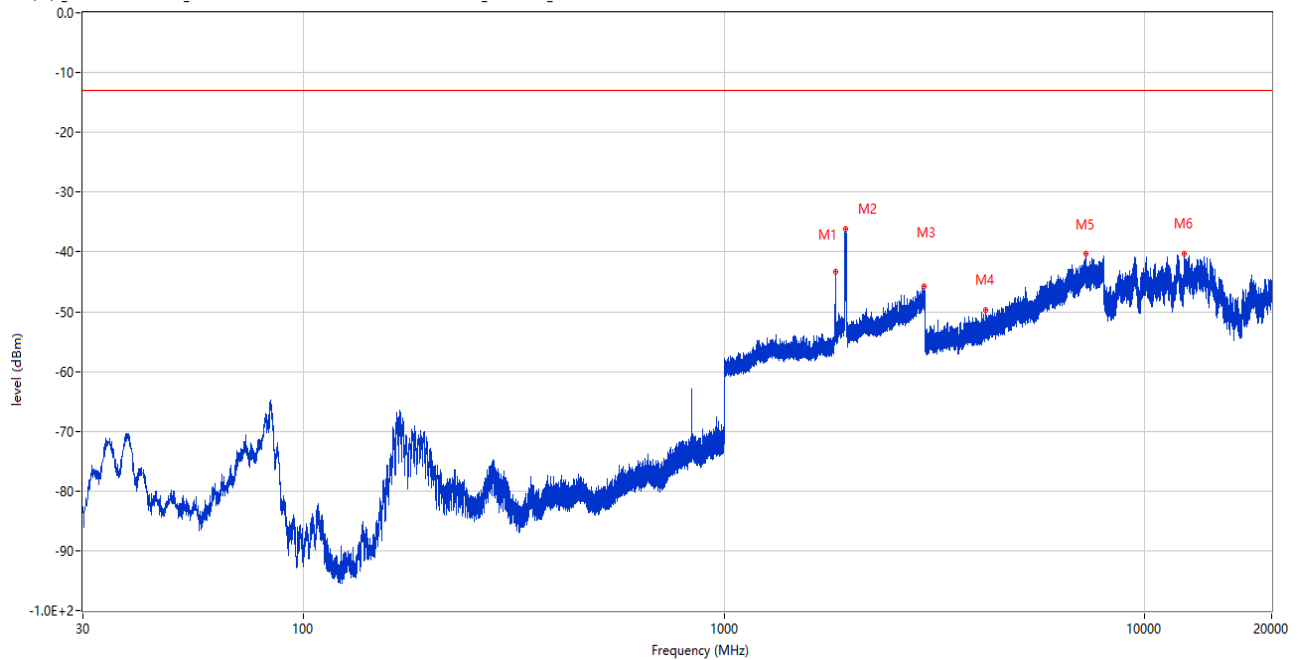
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 1840.300        | -39.79       | 1.79        | -13.0       | 26.79       | 175.00    | Horizontal | Vertical | N/A     |
| 1950.700        | -23.05       | 1.28        | -13.0       | 10.05       | 252.00    | Horizontal | Vertical | N/A     |
| 2891.300        | -45.09       | 9.55        | -13.0       | 32.09       | 310.00    | Horizontal | Vertical | Pass    |
| 4307.250        | -49.33       | 6.66        | -13.0       | 36.33       | 244.00    | Horizontal | Vertical | Pass    |
| 7084.250        | -40.13       | 13.77       | -13.0       | 27.13       | 24.00     | Horizontal | Vertical | Pass    |
| 9514.299        | -40.82       | 12.89       | -13.0       | 27.82       | 249.00    | Horizontal | Vertical | Pass    |

Band:CA 2C,Channel:L+L range,BW:15M+15M

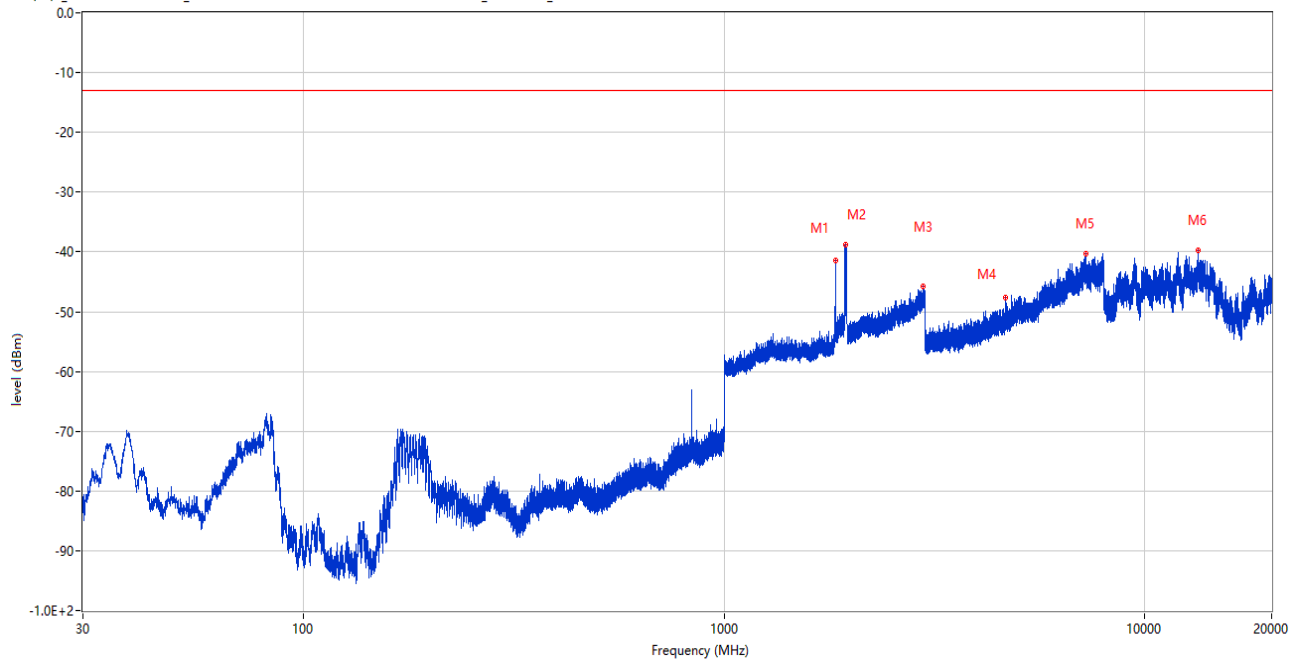
RSE (RF) \_FCC PART22&24&27\_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 1841.600        | -43.30       | 1.81        | -13.0       | 30.30       | 138.00    | Vertical | Vertical | N/A     |
| 1948.600        | -36.21       | 1.19        | -13.0       | 23.21       | 253.00    | Vertical | Vertical | N/A     |
| 2988.300        | -45.80       | 9.22        | -13.0       | 32.80       | 147.00    | Vertical | Vertical | Pass    |
| 4185.250        | -49.73       | 7.12        | -13.0       | 36.73       | 61.00     | Vertical | Vertical | Pass    |
| 7248.750        | -40.37       | 14.93       | -13.0       | 27.37       | 0.00      | Vertical | Vertical | Pass    |
| 12389.950       | -40.27       | 13.23       | -13.0       | 27.27       | 360.00    | Vertical | Vertical | Pass    |

Band:CA 2C,Channel:L+L range,BW:15M+15M

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

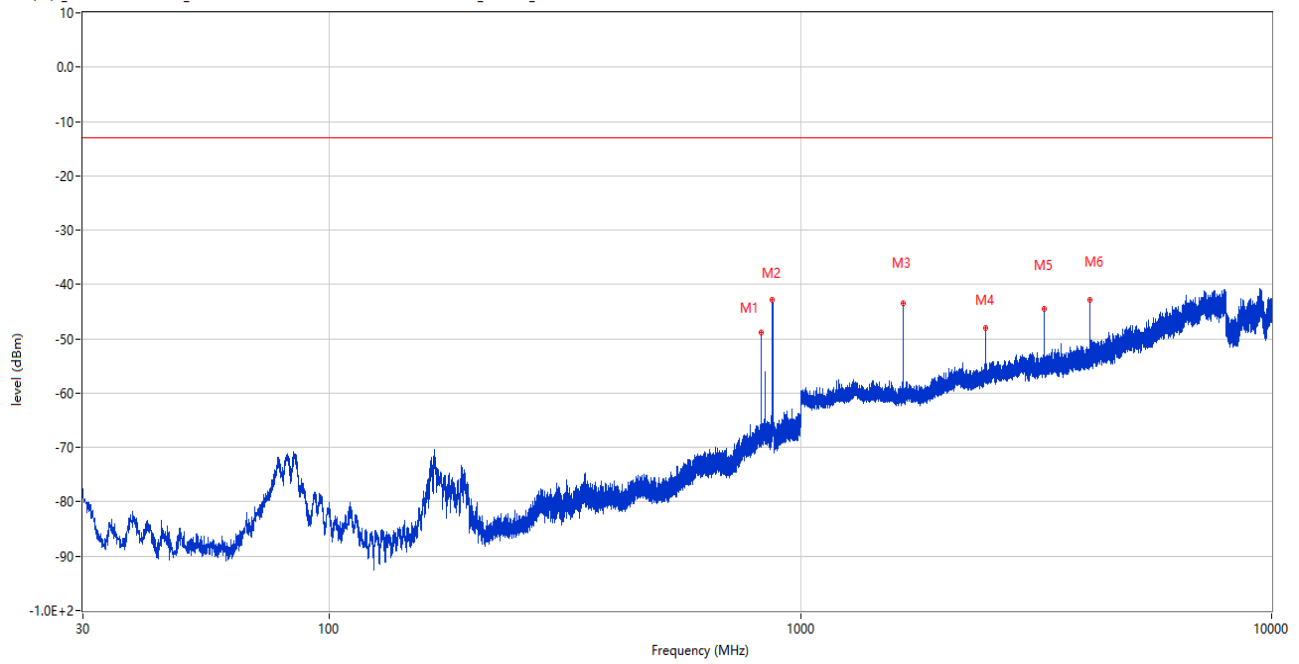


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 1839.600        | -41.38       | 1.79        | -13.0       | 28.38       | 1.00      | Vertical | Horizontal | N/A     |
| 1948.800        | -38.77       | 1.21        | -13.0       | 25.77       | 360.00    | Vertical | Horizontal | N/A     |
| 2969.300        | -45.71       | 9.23        | -13.0       | 32.71       | 1.00      | Vertical | Horizontal | Pass    |
| 4675.000        | -47.74       | 7.86        | -13.0       | 34.74       | 300.00    | Vertical | Horizontal | Pass    |
| 7236.000        | -40.27       | 14.85       | -13.0       | 27.27       | 278.00    | Vertical | Horizontal | Pass    |
| 13366.250       | -39.72       | 16.74       | -13.0       | 26.72       | 227.00    | Vertical | Horizontal | Pass    |

## 4.8 CA\_5B

Band:CA 5B,Channel:L+L range,BW:5M+3M

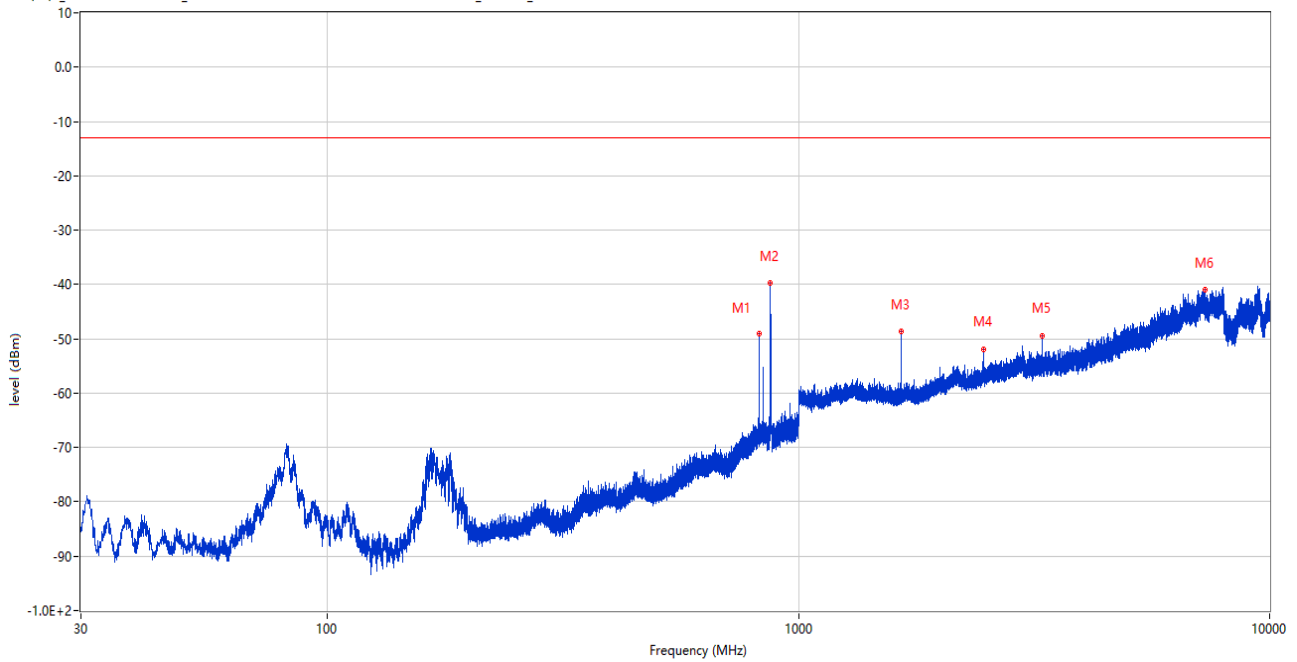
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 824.430         | -48.87       | 5.20        | -13.0       | 35.87       | 221.00    | Horizontal | Horizontal | N/A     |
| 870.408         | -42.77       | 4.17        | -13.0       | 29.77       | 326.00    | Horizontal | Horizontal | N/A     |
| 1649.400        | -43.41       | -5.96       | -13.0       | 30.41       | 243.00    | Horizontal | Horizontal | Pass    |
| 2473.700        | -47.91       | -1.46       | -13.0       | 34.91       | 327.00    | Horizontal | Horizontal | Pass    |
| 3297.750        | -44.40       | 4.14        | -13.0       | 31.40       | 319.00    | Horizontal | Horizontal | Pass    |
| 4122.250        | -42.85       | 7.07        | -13.0       | 29.85       | 199.00    | Horizontal | Horizontal | Pass    |

Band:CA 5B,Channel:L+L range,BW:5M+3M

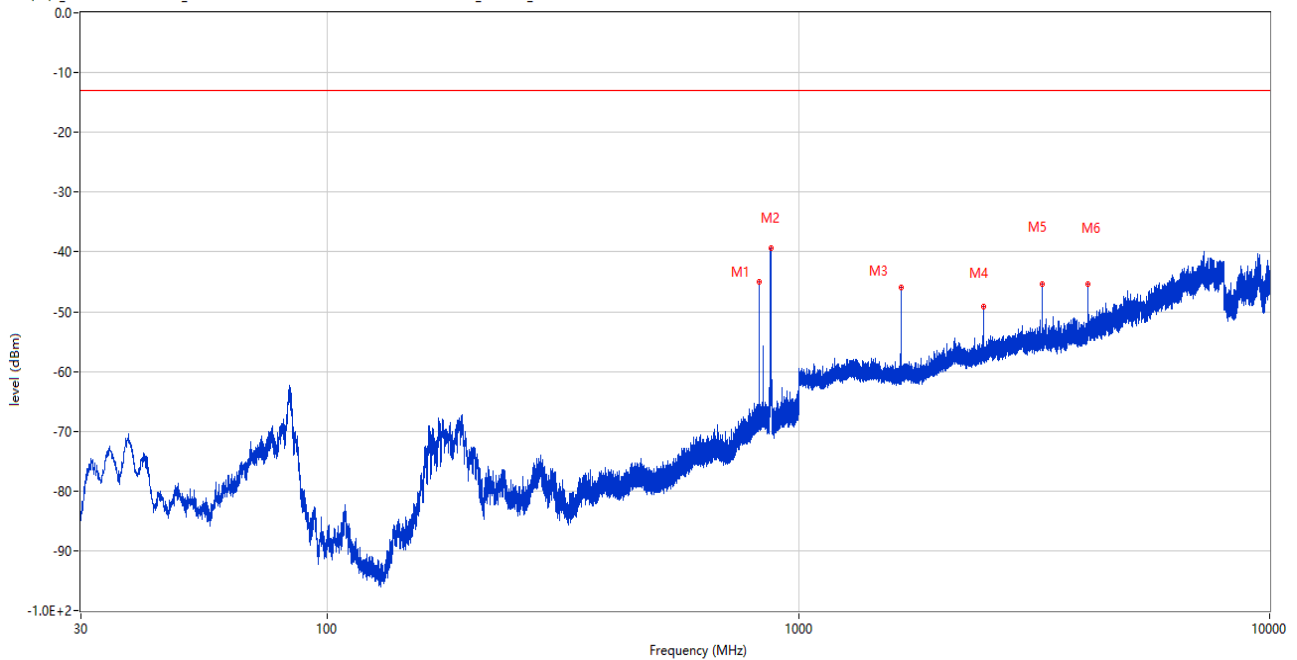
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 824.381         | -48.99       | 5.19        | -13.0       | 35.99       | 33.00     | Horizontal | Vertical | N/A     |
| 869.632         | -39.68       | 4.17        | -13.0       | 26.68       | 157.00    | Horizontal | Vertical | N/A     |
| 1649.600        | -48.72       | -5.96       | -13.0       | 35.72       | 2.00      | Horizontal | Vertical | Pass    |
| 2473.900        | -51.85       | -1.48       | -13.0       | 38.85       | 27.00     | Horizontal | Vertical | Pass    |
| 3298.000        | -49.37       | 4.15        | -13.0       | 36.37       | 13.00     | Horizontal | Vertical | Pass    |
| 7307.000        | -40.89       | 14.10       | -13.0       | 27.89       | 13.00     | Horizontal | Vertical | Pass    |

Band:CA 5B,Channel:L+L range,BW:5M+3M

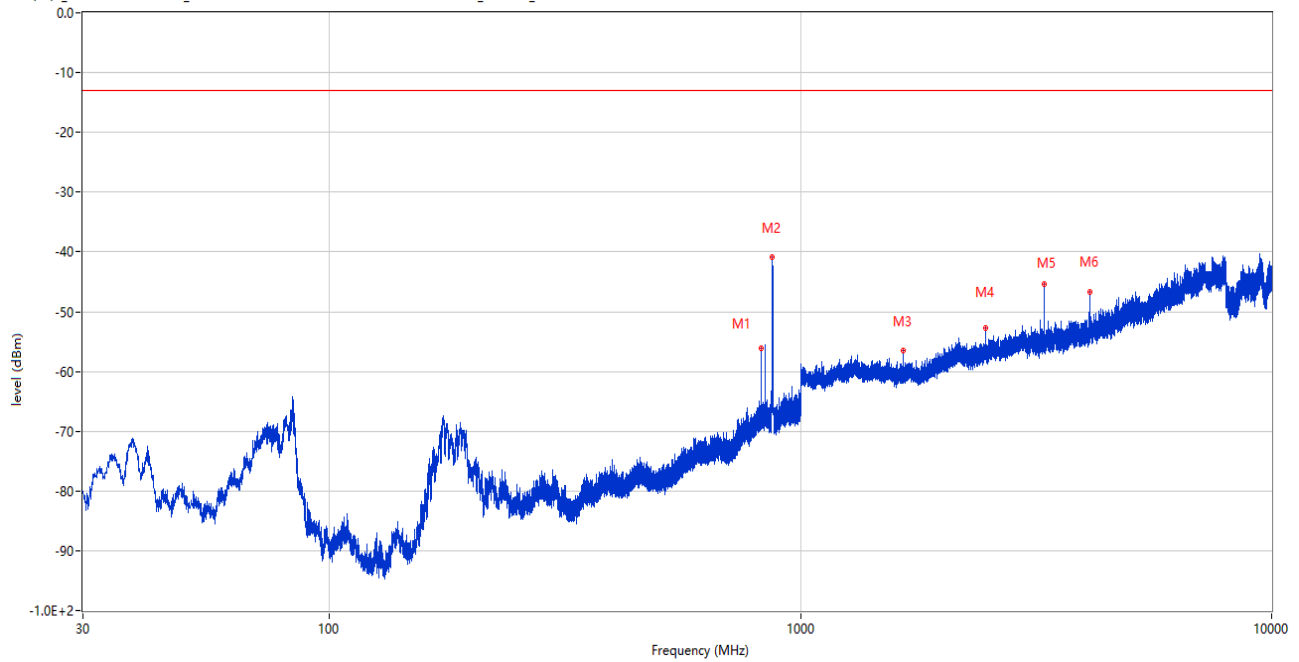
RSE (RF) \_FCC PART22&24&27\_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 \_814-849\_30MHz-10GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 824.381         | -44.94       | 5.19        | -13.0       | 31.94       | 341.00    | Vertical | Vertical | N/A     |
| 873.124         | -39.27       | 4.01        | -13.0       | 26.27       | 183.00    | Vertical | Vertical | N/A     |
| 1649.400        | -45.94       | -5.96       | -13.0       | 32.94       | 257.00    | Vertical | Vertical | Pass    |
| 2473.900        | -49.07       | -1.48       | -13.0       | 36.07       | 360.00    | Vertical | Vertical | Pass    |
| 3298.000        | -45.35       | 4.15        | -13.0       | 32.35       | 332.00    | Vertical | Vertical | Pass    |
| 4122.000        | -45.34       | 7.11        | -13.0       | 32.34       | 300.00    | Vertical | Vertical | Pass    |

Band:CA 5B,Channel:L+L range,BW:5M+3M

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

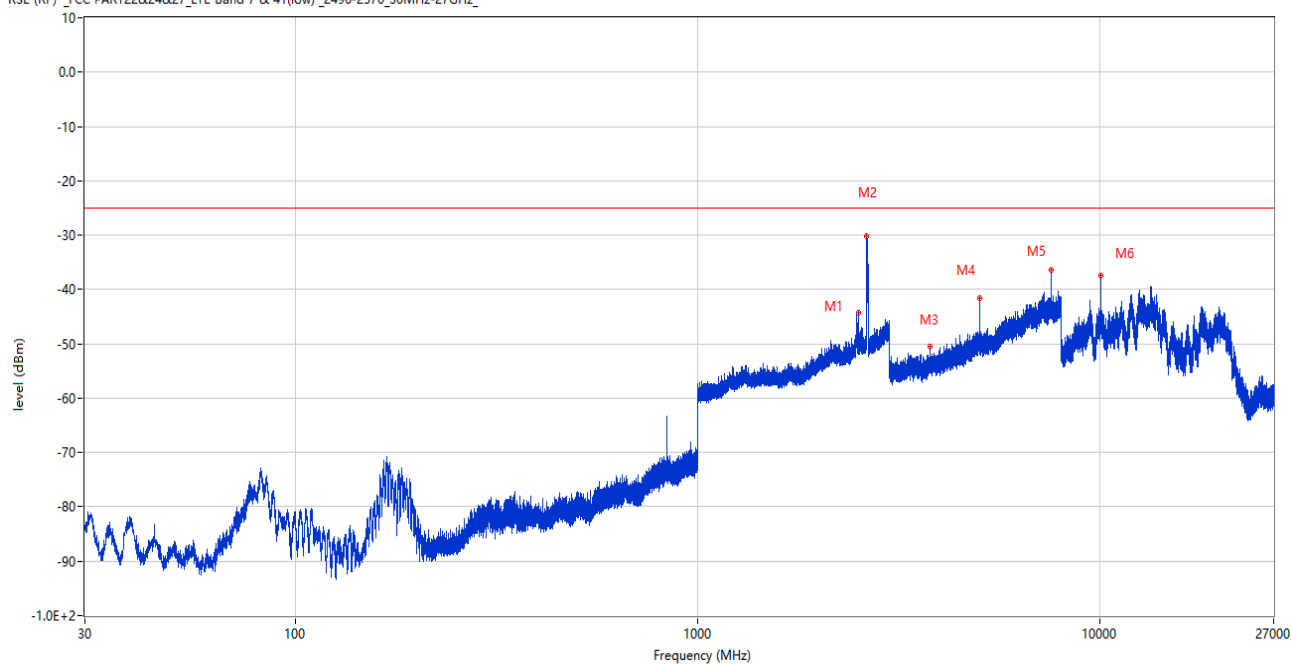


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 824.381         | -56.09       | 5.19        | -13.0       | 43.09       | 309.00    | Vertical | Horizontal | N/A     |
| 870.505         | -40.94       | 4.17        | -13.0       | 27.94       | 141.00    | Vertical | Horizontal | N/A     |
| 1649.600        | -56.56       | -5.96       | -13.0       | 43.56       | 122.00    | Vertical | Horizontal | Pass    |
| 2473.800        | -52.65       | -1.47       | -13.0       | 39.65       | 235.00    | Vertical | Horizontal | Pass    |
| 3298.000        | -45.41       | 4.15        | -13.0       | 32.41       | 167.00    | Vertical | Horizontal | Pass    |
| 4122.250        | -46.67       | 7.07        | -13.0       | 33.67       | 134.00    | Vertical | Horizontal | Pass    |

## 4.9 CA\_7C

Band:CA 7C,Channel:L+L range,BW:15M+15M

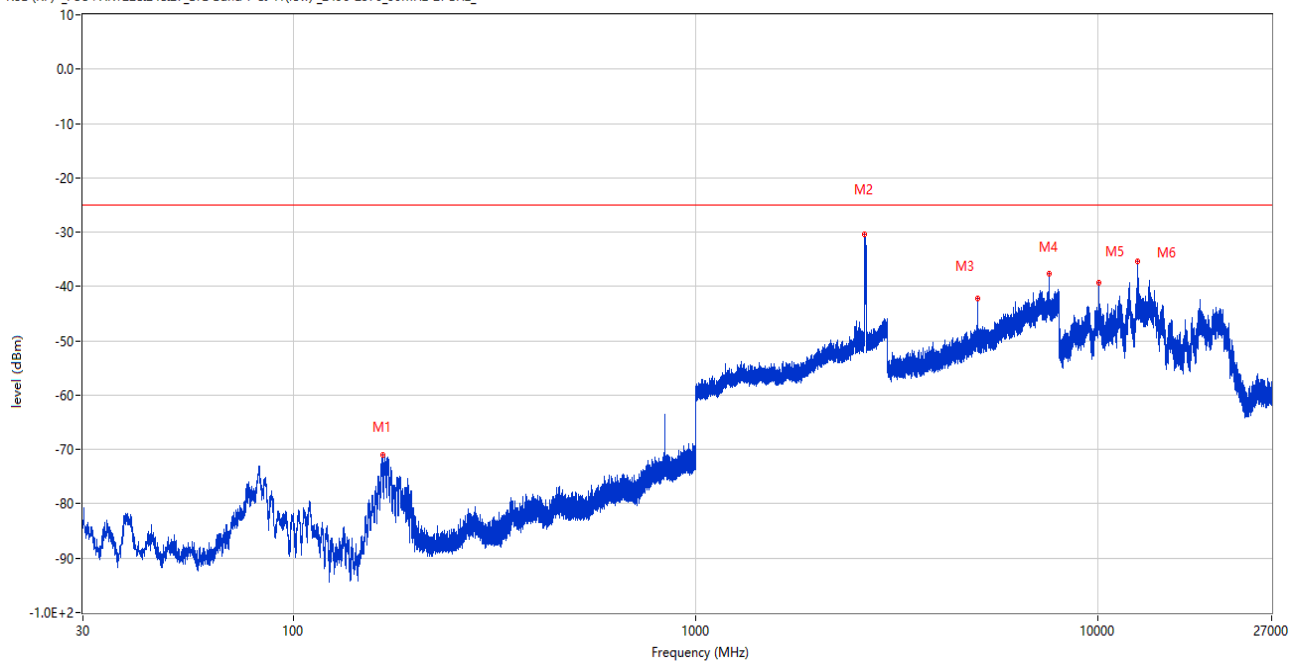
RSE (RF) \_FCC PART22&24&27\_LTE Band 7 & 41(low) \_2496-2570\_30MHz-27GHz\_



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 2515.200        | -44.18       | 6.19        | -25.0       | 19.18       | 158.00    | Horizontal | Horizontal | N/A     |
| 2633.000        | -30.10       | 6.08        | -25.0       | 5.10        | 215.00    | Horizontal | Horizontal | N/A     |
| 3779.500        | -50.50       | 5.74        | -25.0       | 25.50       | 4.00      | Horizontal | Horizontal | Pass    |
| 5029.000        | -41.59       | 8.63        | -25.0       | 16.59       | 223.00    | Horizontal | Horizontal | Pass    |
| 7543.250        | -36.50       | 13.66       | -25.0       | 11.50       | 322.00    | Horizontal | Horizontal | Pass    |
| 10057.463       | -37.41       | 13.04       | -25.0       | 12.41       | 360.00    | Horizontal | Horizontal | Pass    |

Band:CA 7C,Channel:L+L range,BW:15M+15M

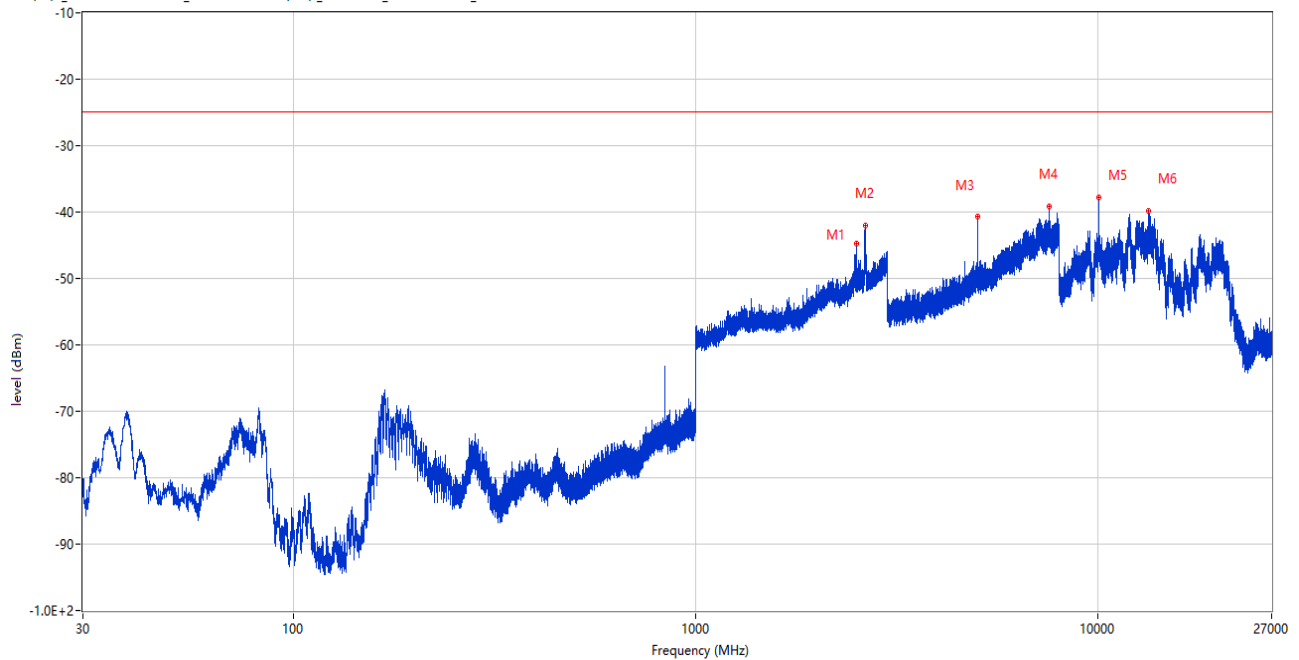
RSE (RF) \_FCC PART22&24&27\_LTE Band 7 & 41 (low) \_2496-2570\_30MHz-27GHz\_



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 166.528         | -70.97       | -18.40      | -25.0       | 45.97       | 201.00    | Horizontal | Vertical | Pass    |
| 2626.100        | -30.45       | 5.86        | -25.0       | 5.45        | 118.00    | Horizontal | Vertical | N/A     |
| 5029.000        | -42.15       | 8.63        | -25.0       | 17.15       | 94.00     | Horizontal | Vertical | Pass    |
| 7543.250        | -37.66       | 13.66       | -25.0       | 12.66       | 171.00    | Horizontal | Vertical | Pass    |
| 10057.224       | -39.31       | 13.05       | -25.0       | 14.31       | 176.00    | Horizontal | Vertical | Pass    |
| 12571.162       | -35.44       | 14.03       | -25.0       | 10.44       | 244.00    | Horizontal | Vertical | Pass    |

Band:CA 7C,Channel:L+L range,BW:15M+15M

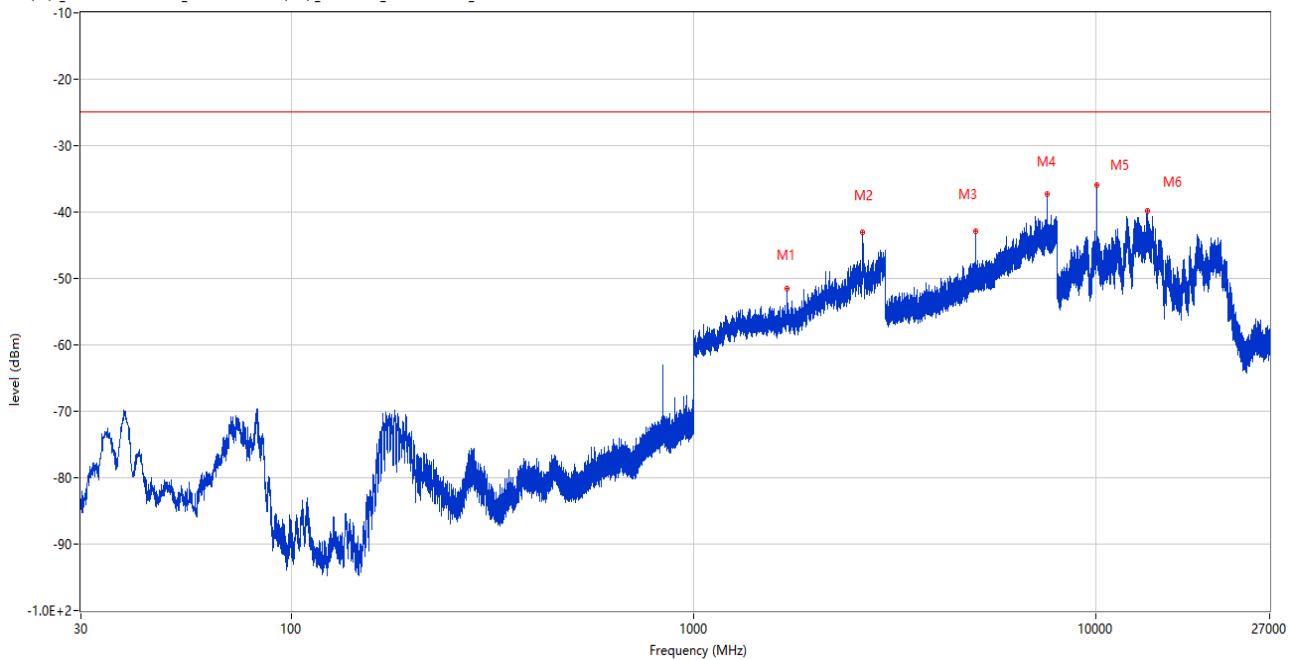
RSE (RF) \_FCC PART22&24&27\_LTE Band 7 & 41 (low) \_2496-2570\_30MHz-27GHz\_



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 2514.900        | -44.83       | 6.18        | -25.0       | 19.83       | 126.00    | Vertical | Vertical | N/A     |
| 2642.600        | -42.04       | 6.69        | -25.0       | 17.04       | 145.00    | Vertical | Vertical | N/A     |
| 5028.750        | -40.73       | 8.64        | -25.0       | 15.73       | 360.00    | Vertical | Vertical | Pass    |
| 7543.000        | -39.18       | 13.64       | -25.0       | 14.18       | 138.00    | Vertical | Vertical | Pass    |
| 10057.224       | -37.75       | 13.05       | -25.0       | 12.75       | 242.00    | Vertical | Vertical | Pass    |
| 13344.825       | -39.87       | 16.34       | -25.0       | 14.87       | 90.00     | Vertical | Vertical | Pass    |

Band:CA 7C,Channel:L+L range,BW:15M+15M

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

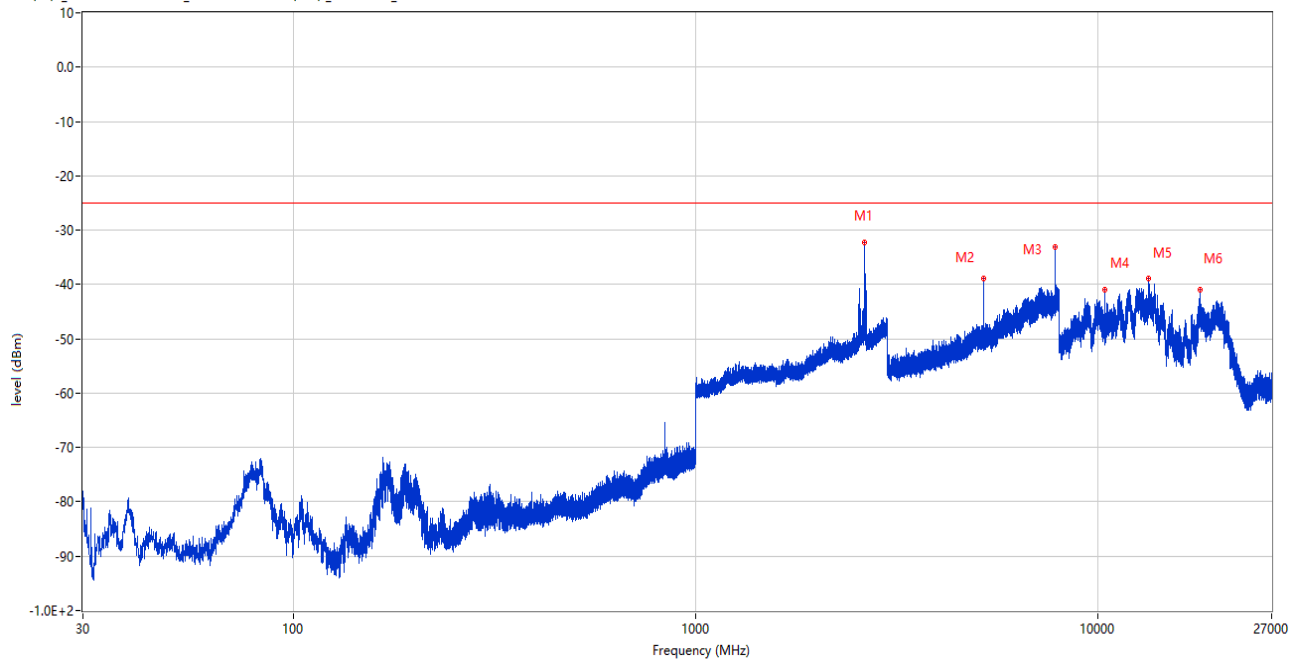


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 1704.800        | -51.58       | -0.48       | -25.0       | 26.58       | 21.00     | Vertical | Horizontal | Pass    |
| 2622.900        | -43.00       | 5.62        | -25.0       | 18.00       | 205.00    | Vertical | Horizontal | N/A     |
| 5028.750        | -42.82       | 8.64        | -25.0       | 17.82       | 360.00    | Vertical | Horizontal | Pass    |
| 7543.250        | -37.31       | 13.66       | -25.0       | 12.31       | 203.00    | Vertical | Horizontal | Pass    |
| 10057.463       | -35.99       | 13.04       | -25.0       | 10.99       | 61.00     | Vertical | Horizontal | Pass    |
| 13390.500       | -39.90       | 16.92       | -25.0       | 14.90       | 45.00     | Vertical | Horizontal | Pass    |

#### 4.10 CA\_38C

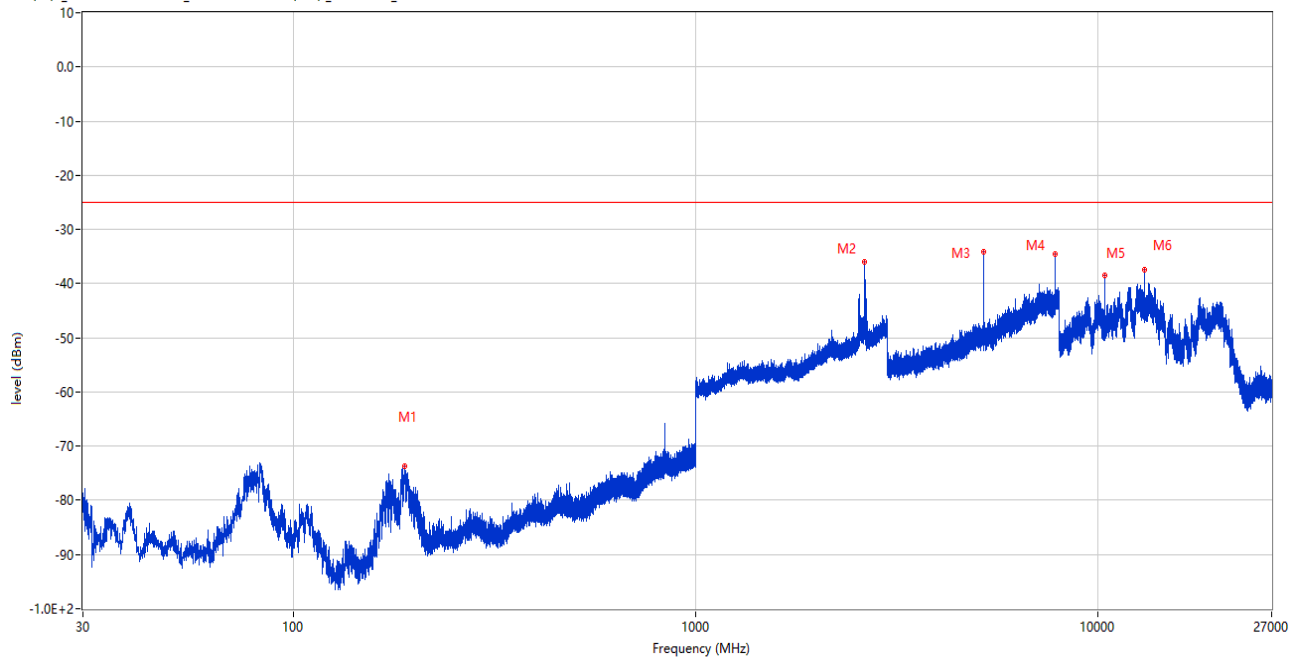
Band:CA 38C,Channel:H+H range,BW:15M+15M

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



Band:CA 38C,Channel:H+H range,BW:15M+15M

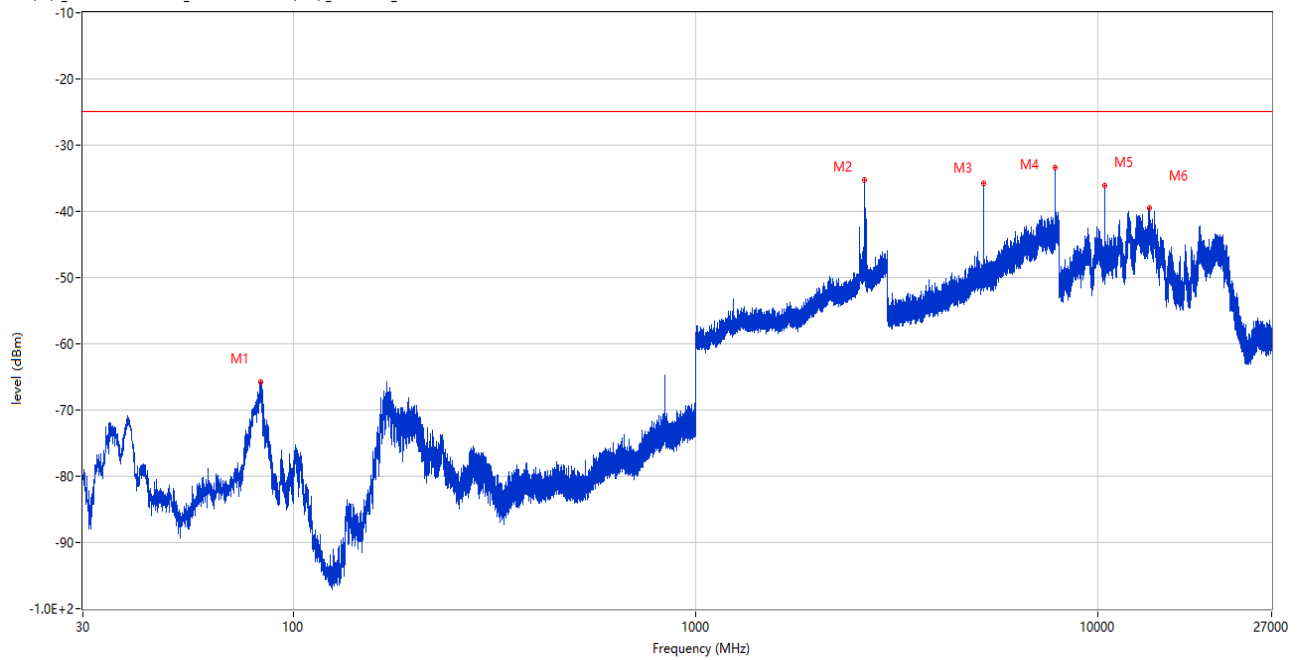
RSE (RF) \_FCC PART22&24&27\_LTE Band 38 & 41(mid) \_2570-2620\_30MHz-27GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 188.643         | -73.66       | -16.15      | -25.0       | 48.66       | 136.00    | Horizontal | Vertical | Pass    |
| 2626.200        | -35.96       | 7.26        | -25.0       | 10.96       | 204.00    | Horizontal | Vertical | N/A     |
| 5208.750        | -34.17       | 8.25        | -25.0       | 9.17        | 106.00    | Horizontal | Vertical | Pass    |
| 7812.750        | -34.62       | 14.63       | -25.0       | 9.62        | 122.00    | Horizontal | Vertical | Pass    |
| 10417.512       | -38.50       | 9.73        | -25.0       | 13.50       | 163.00    | Horizontal | Vertical | Pass    |
| 13020.900       | -37.43       | 13.90       | -25.0       | 12.43       | 129.00    | Horizontal | Vertical | Pass    |

Band:CA 38C,Channel:H+H range,BW:15M+15M

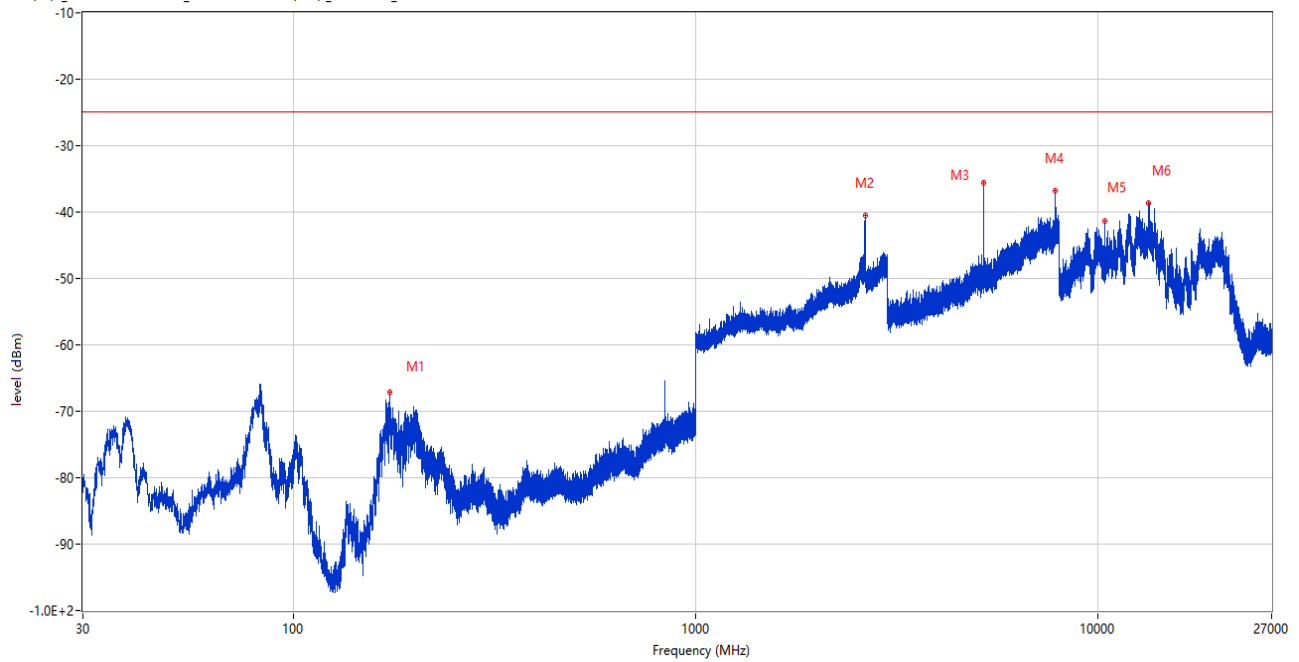
RSE (RF) \_FCC PART22&24&27\_LTE Band 38 & 41(mid) \_2570-2620\_30MHz-27GHz



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 83.059          | -65.69       | -20.00      | -25.0       | 40.69       | 7.00      | Vertical | Vertical | Pass    |
| 2626.700        | -35.19       | 7.26        | -25.0       | 10.19       | 200.00    | Vertical | Vertical | N/A     |
| 5209.000        | -35.75       | 8.29        | -25.0       | 10.75       | 360.00    | Vertical | Vertical | Pass    |
| 7812.750        | -33.45       | 14.63       | -25.0       | 8.45        | 147.00    | Vertical | Vertical | Pass    |
| 10417.275       | -36.10       | 9.73        | -25.0       | 11.10       | 134.00    | Vertical | Vertical | Pass    |
| 13384.988       | -39.44       | 16.87       | -25.0       | 14.44       | 272.00    | Vertical | Vertical | Pass    |

Band:CA 38C,Channel:H+H range,BW:15M+15M

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

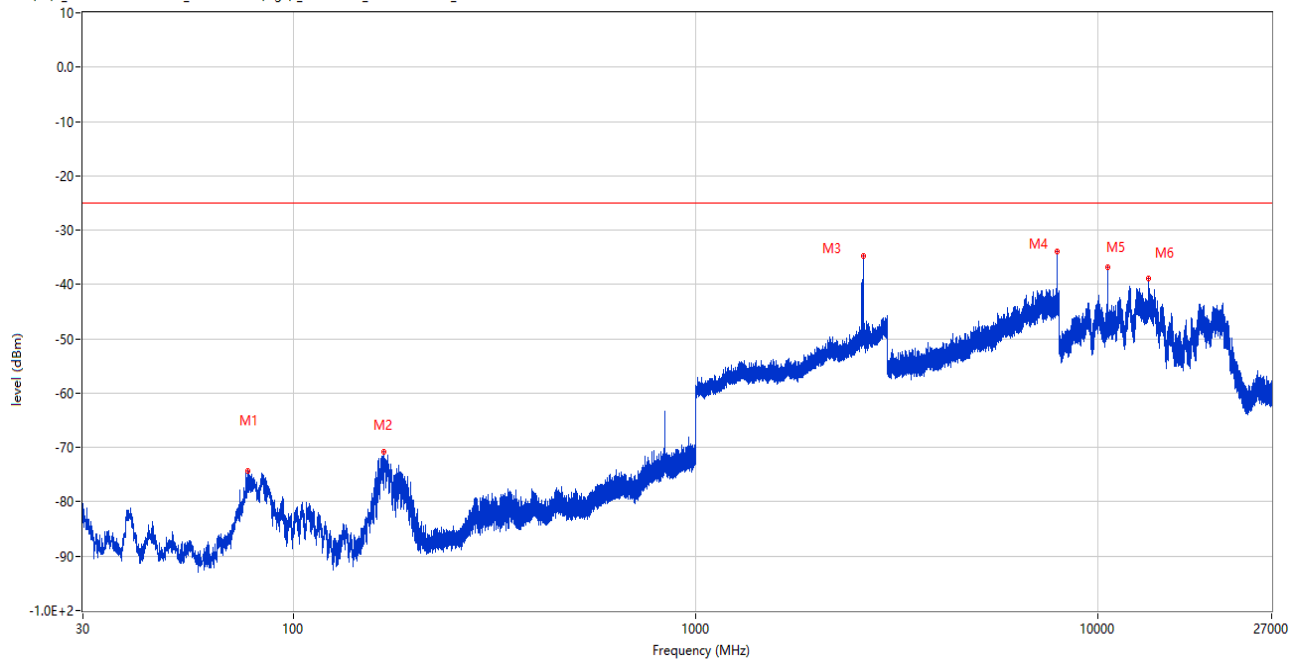


| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 173.221         | -67.12       | -18.21      | -25.0       | 42.12       | 304.00    | Vertical | Horizontal | Pass    |
| 2635.800        | -40.55       | 6.79        | -25.0       | 15.55       | 222.00    | Vertical | Horizontal | N/A     |
| 5209.000        | -35.68       | 8.29        | -25.0       | 10.68       | 141.00    | Vertical | Horizontal | Pass    |
| 7813.000        | -36.82       | 14.67       | -25.0       | 11.82       | 208.00    | Vertical | Horizontal | Pass    |
| 10417.037       | -41.28       | 9.72        | -25.0       | 16.28       | 51.00     | Vertical | Horizontal | Pass    |
| 13365.037       | -38.62       | 16.68       | -25.0       | 13.62       | 203.00    | Vertical | Horizontal | Pass    |

#### 4.11 CA\_41C

Band:CA 41C,Channel:H+H range,BW:20M+15M

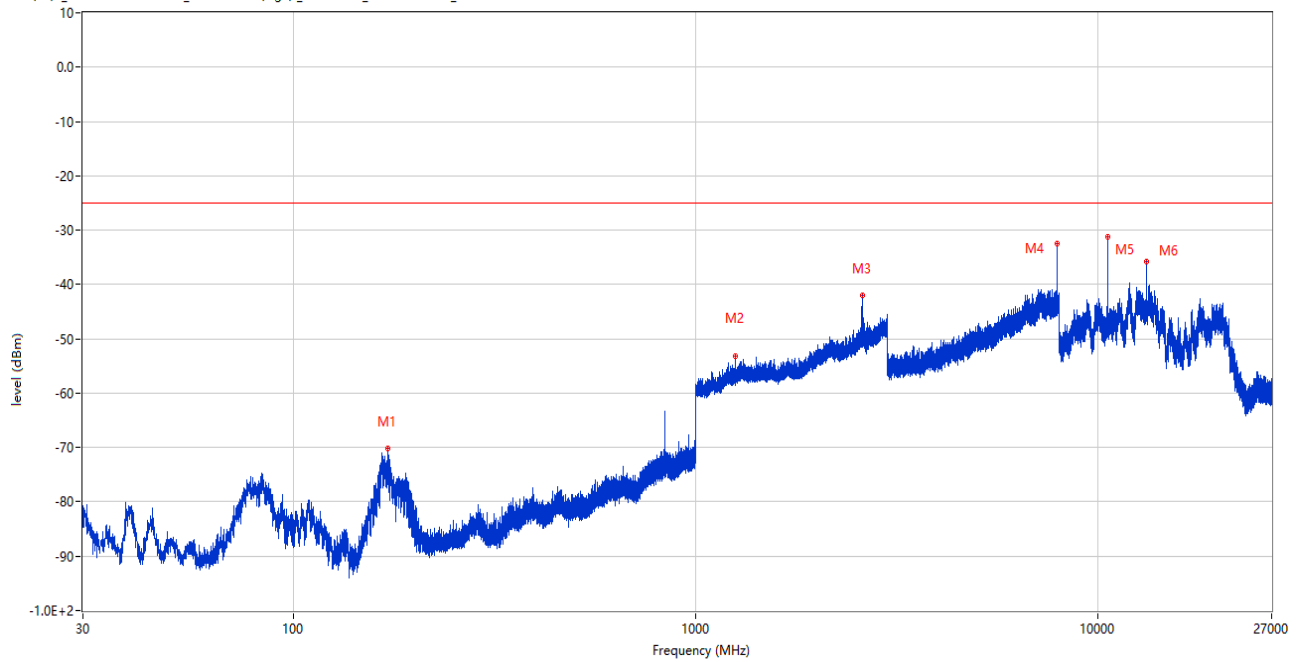
RSE (RF) \_FCC PART22&24&27\_LTE Band 41(high) \_2620-2690\_30MHz-27GHz\_



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|------------|---------|
| 76.899          | -74.24       | -20.16      | -25.0       | 49.24       | 358.00    | Horizontal | Horizontal | Pass    |
| 168.274         | -70.83       | -18.40      | -25.0       | 45.83       | 360.00    | Horizontal | Horizontal | Pass    |
| 2610.400        | -34.80       | 6.44        | -25.0       | 9.80        | 321.00    | Horizontal | Horizontal | N/A     |
| 7918.000        | -33.93       | 14.87       | -25.0       | 8.93        | 336.00    | Horizontal | Horizontal | Pass    |
| 10556.450       | -36.79       | 11.60       | -25.0       | 11.79       | 199.00    | Horizontal | Horizontal | Pass    |
| 13340.100       | -38.88       | 16.15       | -25.0       | 13.88       | 3.00      | Horizontal | Horizontal | Pass    |

Band:CA 41C,Channel:H+H range,BW:20M+15M

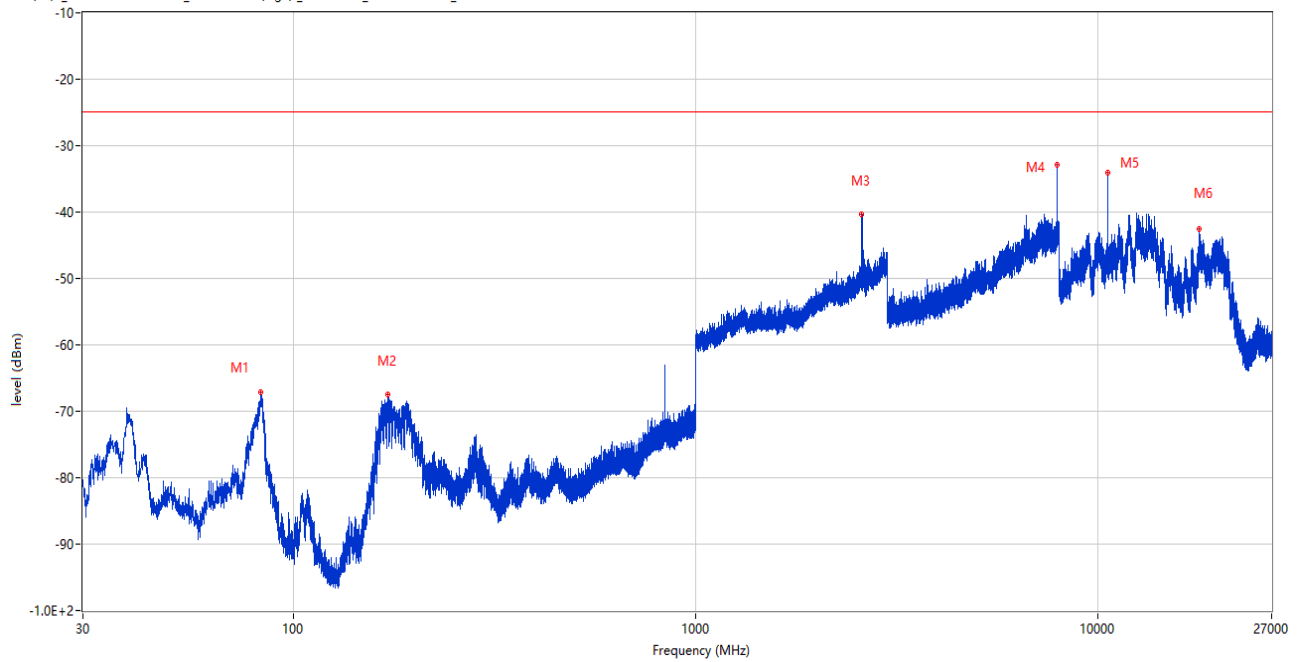
RSE (RF) \_FCC PART22&24&27\_LTE Band 41(high)\_2620-2690\_30MHz-27GHz\_



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT        | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|------------|----------|---------|
| 172.202         | -70.12       | -18.25      | -25.0       | 45.12       | 216.00    | Horizontal | Vertical | Pass    |
| 1256.900        | -53.18       | -1.43       | -25.0       | 28.18       | 90.00     | Horizontal | Vertical | Pass    |
| 2594.700        | -42.06       | 6.04        | -25.0       | 17.06       | 42.00     | Horizontal | Vertical | N/A     |
| 7917.750        | -32.52       | 14.85       | -25.0       | 7.52        | 151.00    | Horizontal | Vertical | Pass    |
| 10556.450       | -31.26       | 11.60       | -25.0       | 6.26        | 198.00    | Horizontal | Vertical | Pass    |
| 13195.463       | -35.73       | 14.03       | -25.0       | 10.73       | 93.00     | Horizontal | Vertical | Pass    |

Band:CA 41C,Channel:H+H range,BW:20M+15M

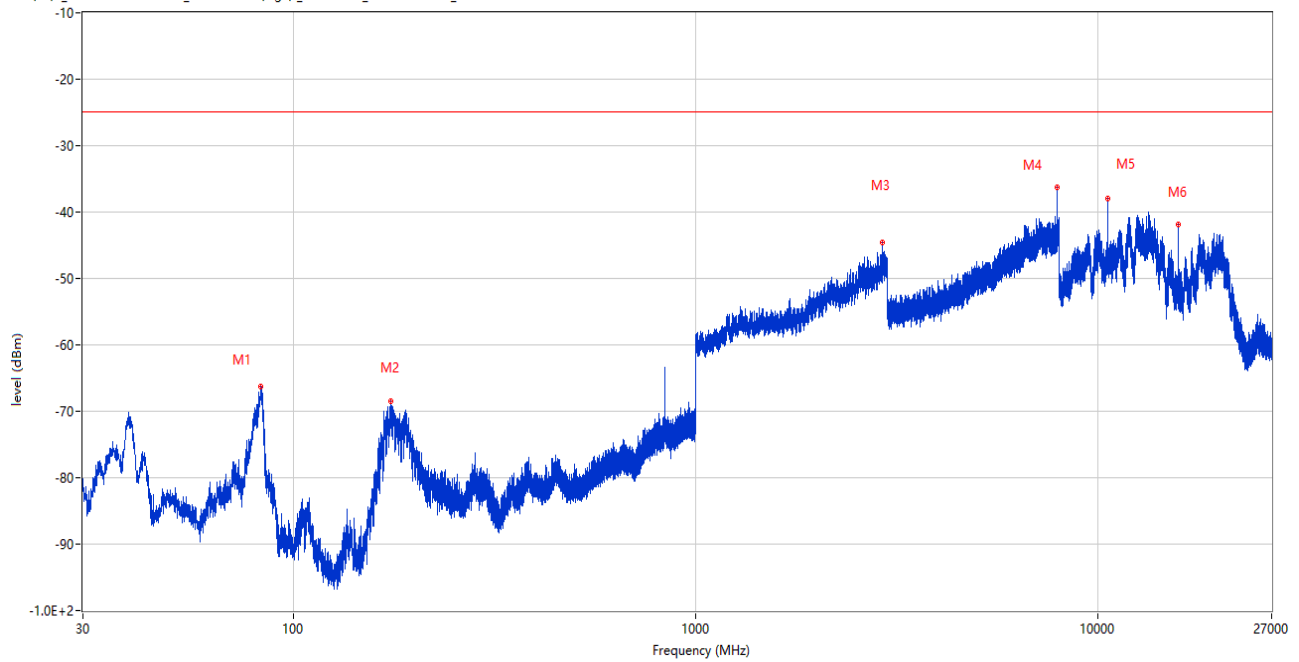
RSE (RF) \_FCC PART22&24&27\_LTE Band 41(high)\_2620-2690\_30MHz-27GHz\_



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT      | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|----------|---------|
| 82.962          | -67.12       | -20.00      | -25.0       | 42.12       | 307.00    | Vertical | Vertical | Pass    |
| 171.814         | -67.45       | -18.27      | -25.0       | 42.45       | 295.00    | Vertical | Vertical | Pass    |
| 2587.900        | -40.33       | 5.36        | -25.0       | 15.33       | 33.00     | Vertical | Vertical | Pass    |
| 7917.750        | -32.89       | 14.85       | -25.0       | 7.89        | 135.00    | Vertical | Vertical | Pass    |
| 10556.687       | -34.02       | 11.59       | -25.0       | 9.02        | 152.00    | Vertical | Vertical | Pass    |
| 17806.012       | -42.53       | 13.04       | -25.0       | 17.53       | 69.00     | Vertical | Vertical | Pass    |

Band:CA 41C,Channel:H+H range,BW:20M+15M

RSE (RF) \_FCC PART22&24&27\_LTE Band 41(high)\_2620-2690\_30MHz-27GHz\_



| Frequency (MHz) | Result (dBm) | Factor (dB) | Limit (dBm) | Margin (dB) | Table (o) | ANT      | EUT        | Verdict |
|-----------------|--------------|-------------|-------------|-------------|-----------|----------|------------|---------|
| 82.865          | -66.26       | -20.00      | -25.0       | 41.26       | 269.00    | Vertical | Horizontal | Pass    |
| 174.918         | -68.43       | -18.16      | -25.0       | 43.43       | 354.00    | Vertical | Horizontal | Pass    |
| 2915.100        | -44.49       | 8.88        | -25.0       | 19.49       | 1.00      | Vertical | Horizontal | Pass    |
| 7917.500        | -36.25       | 14.86       | -25.0       | 11.25       | 169.00    | Vertical | Horizontal | Pass    |
| 10556.450       | -37.94       | 11.60       | -25.0       | 12.94       | 193.00    | Vertical | Horizontal | Pass    |
| 15834.637       | -41.79       | 6.74        | -25.0       | 16.79       | 359.00    | Vertical | Horizontal | Pass    |

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