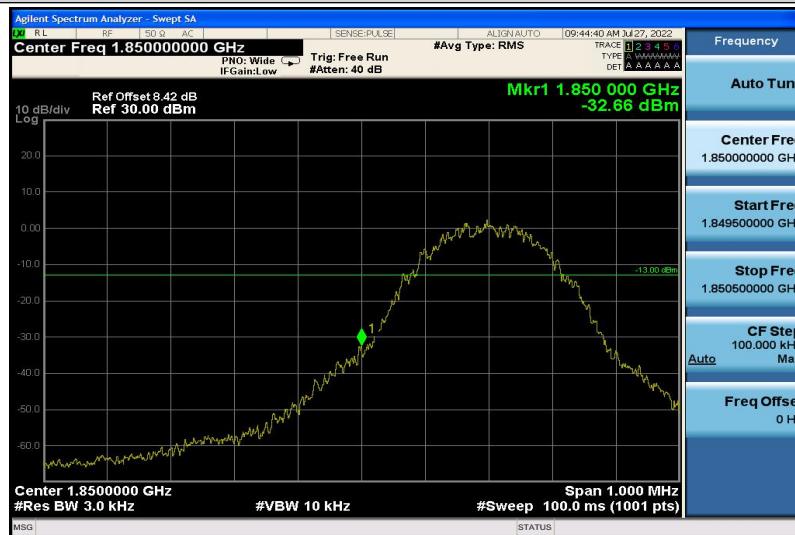
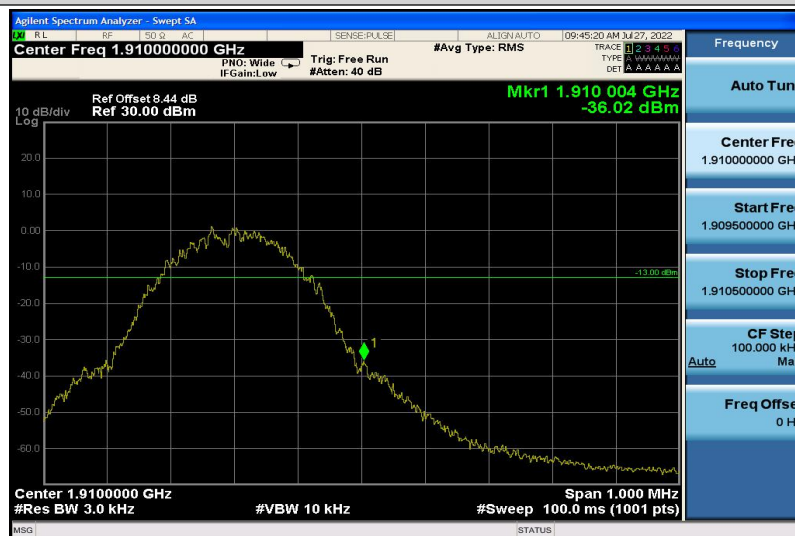




## GPRS1900-810



## EGPRS1900-512



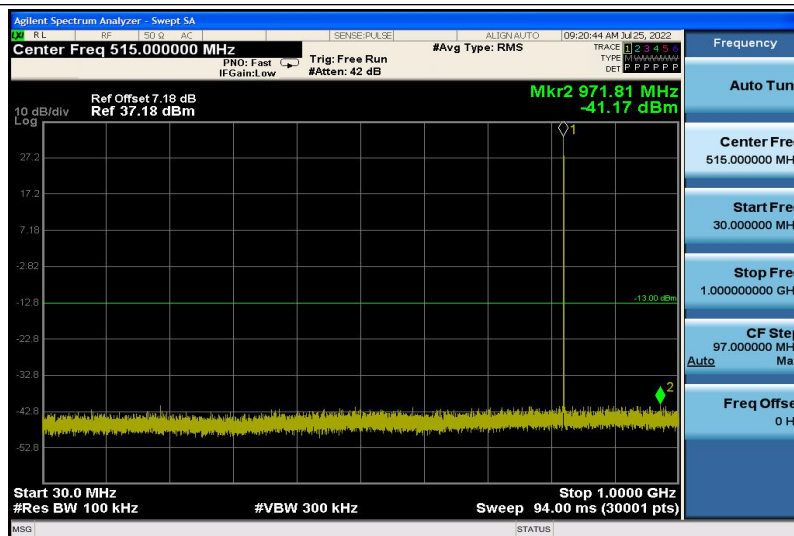
## EGPRS1900-810

## 8.5 Appendix E: Conducted Spurious Emission

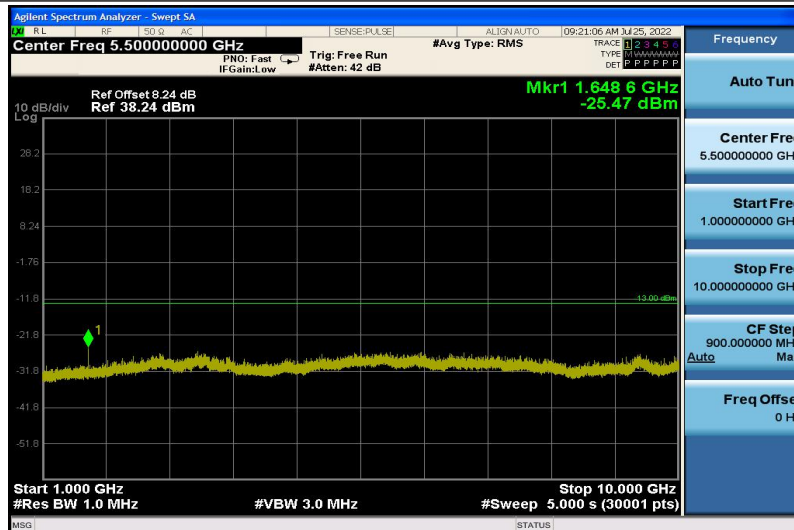
### Test Result

| Band      | Channel | Frequency Range(Mhz) | Value(dBm) | Limit(dBm) | Verdict |
|-----------|---------|----------------------|------------|------------|---------|
| GSM850    | 128     | 30~1000              | -41.17     | -13        | PASS    |
| GSM850    | 128     | 1000~10000           | -25.47     | -13        | PASS    |
| GSM850    | 190     | 30~1000              | -40.25     | -13        | PASS    |
| GSM850    | 190     | 1000~10000           | -23.94     | -13        | PASS    |
| GSM850    | 251     | 30~1000              | -40.54     | -13        | PASS    |
| GSM850    | 251     | 1000~10000           | -18.67     | -13        | PASS    |
| GPRS850   | 128     | 30~1000              | -40.75     | -13        | PASS    |
| GPRS850   | 128     | 1000~10000           | -25.90     | -13        | PASS    |
| GPRS850   | 190     | 30~1000              | -40.18     | -13        | PASS    |
| GPRS850   | 190     | 1000~10000           | -25.50     | -13        | PASS    |
| GPRS850   | 251     | 30~1000              | -40.12     | -13        | PASS    |
| GPRS850   | 251     | 1000~10000           | -19.13     | -13        | PASS    |
| EGPRS850  | 128     | 30~1000              | -40.13     | -13        | PASS    |
| EGPRS850  | 128     | 1000~10000           | -26.31     | -13        | PASS    |
| EGPRS850  | 190     | 30~1000              | -40.60     | -13        | PASS    |
| EGPRS850  | 190     | 1000~10000           | -25.88     | -13        | PASS    |
| EGPRS850  | 251     | 30~1000              | -40.61     | -13        | PASS    |
| EGPRS850  | 251     | 1000~10000           | -26.21     | -13        | PASS    |
| GSM1900   | 512     | 30~1000              | -40.77     | -13        | PASS    |
| GSM1900   | 512     | 1000~20000           | -19.75     | -13        | PASS    |
| GSM1900   | 661     | 30~1000              | -40.71     | -13        | PASS    |
| GSM1900   | 661     | 1000~20000           | -20.03     | -13        | PASS    |
| GSM1900   | 810     | 30~1000              | -39.73     | -13        | PASS    |
| GSM1900   | 810     | 1000~20000           | -19.93     | -13        | PASS    |
| GPRS1900  | 512     | 30~1000              | -40.17     | -13        | PASS    |
| GPRS1900  | 512     | 1000~20000           | -19.19     | -13        | PASS    |
| GPRS1900  | 661     | 30~1000              | -40.45     | -13        | PASS    |
| GPRS1900  | 661     | 1000~20000           | -19.39     | -13        | PASS    |
| GPRS1900  | 810     | 30~1000              | -40.90     | -13        | PASS    |
| GPRS1900  | 810     | 1000~20000           | -20.49     | -13        | PASS    |
| EGPRS1900 | 512     | 30~1000              | -40.86     | -13        | PASS    |
| EGPRS1900 | 512     | 1000~20000           | -19.63     | -13        | PASS    |
| EGPRS1900 | 661     | 30~1000              | -40.64     | -13        | PASS    |
| EGPRS1900 | 661     | 1000~20000           | -20.18     | -13        | PASS    |
| EGPRS1900 | 810     | 30~1000              | -40.33     | -13        | PASS    |
| EGPRS1900 | 810     | 1000~20000           | -18.91     | -13        | PASS    |

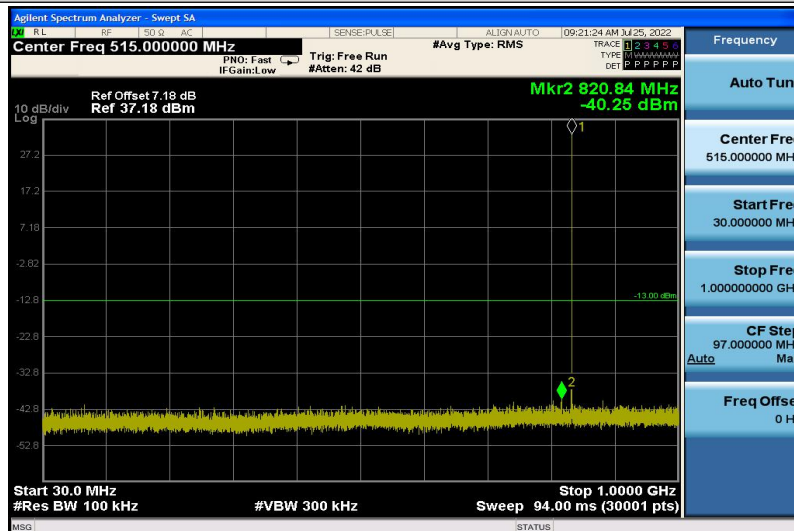
## Test Graphs



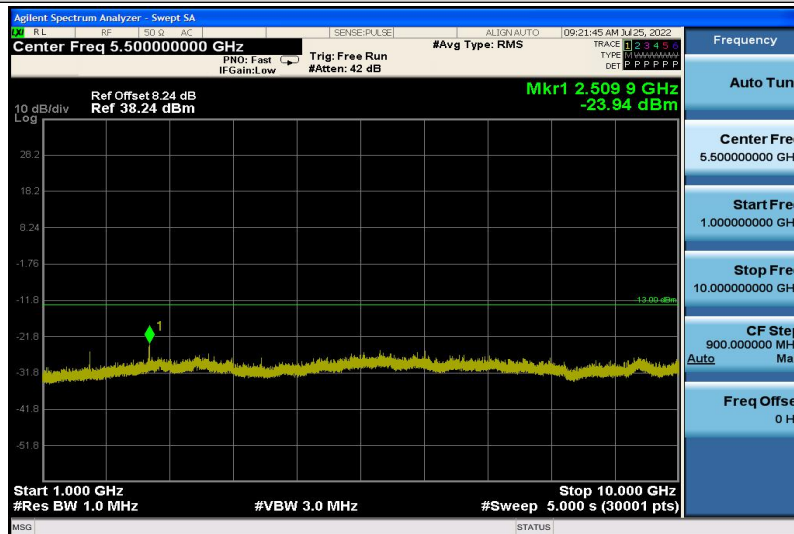
GSM850-128-30~1000



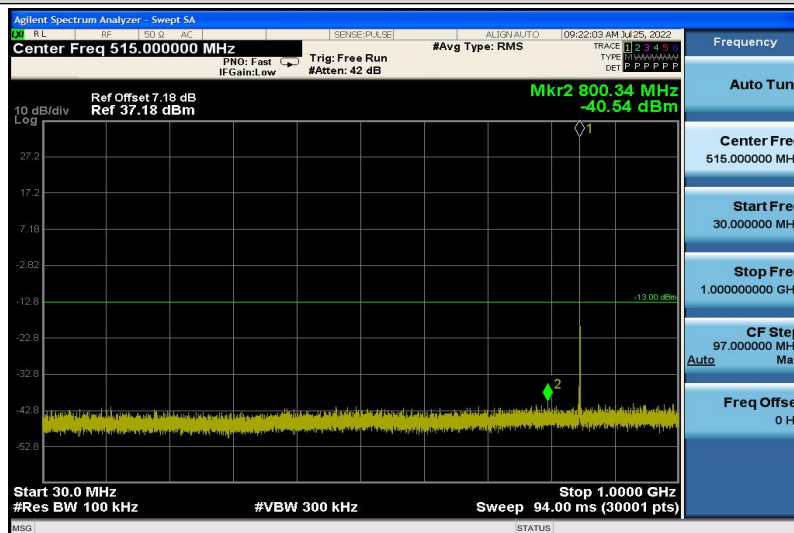
GSM850-128-1000~10000



## GSM850-190-30~1000



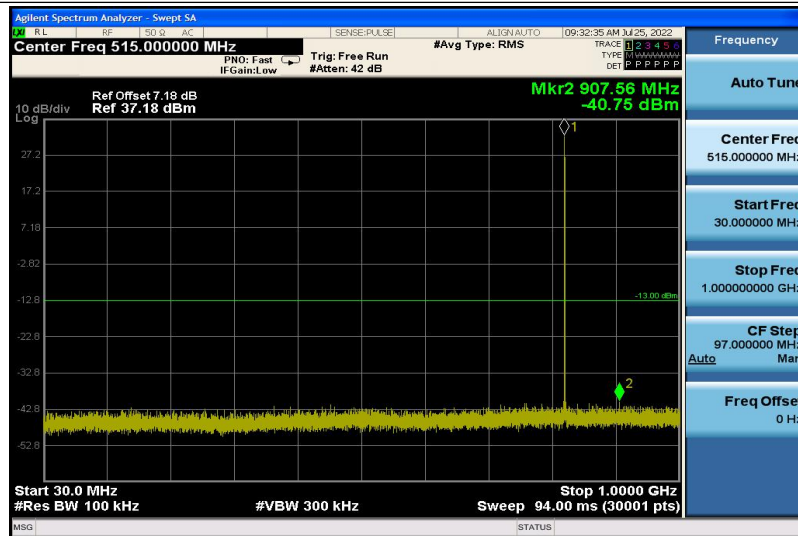
## GSM850-190-1000~10000



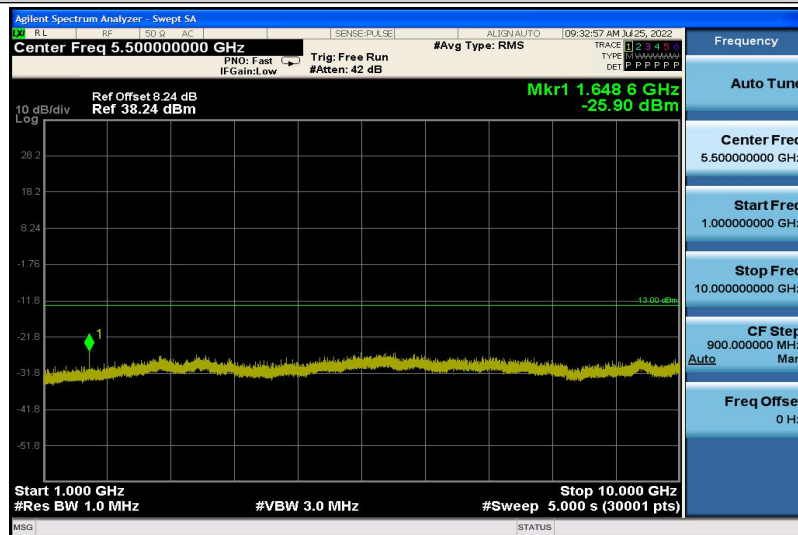
## GSM850-251-30~1000



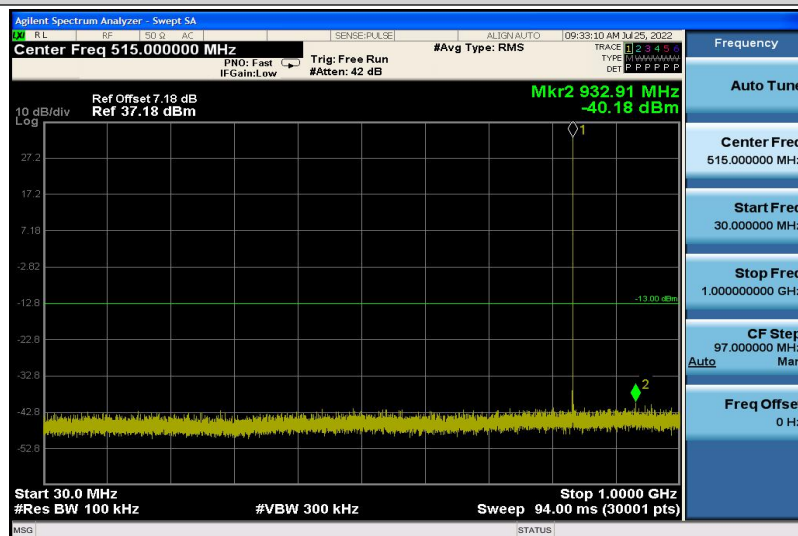
## GSM850-251-1000~10000



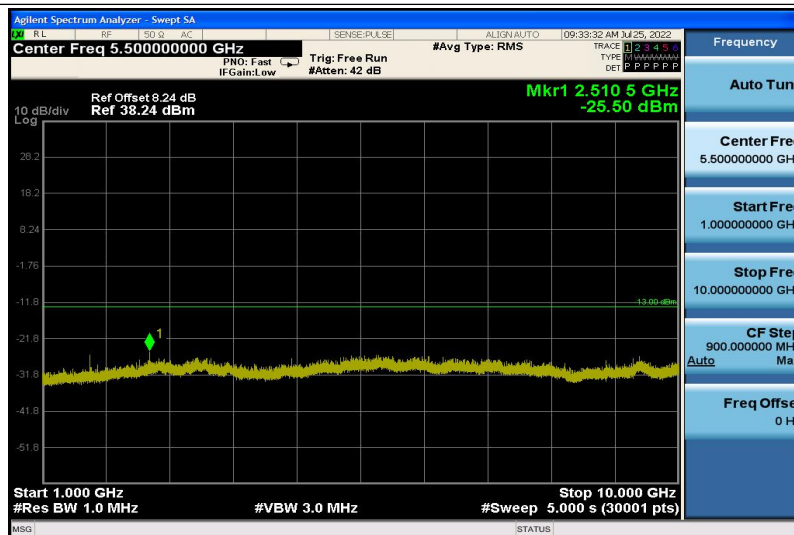
GPRS850-128-30~1000



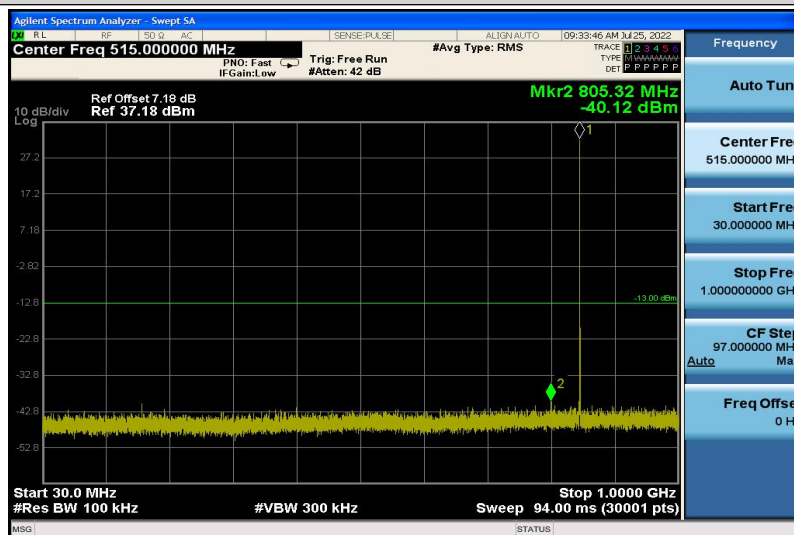
GPRS850-128-1000~10000



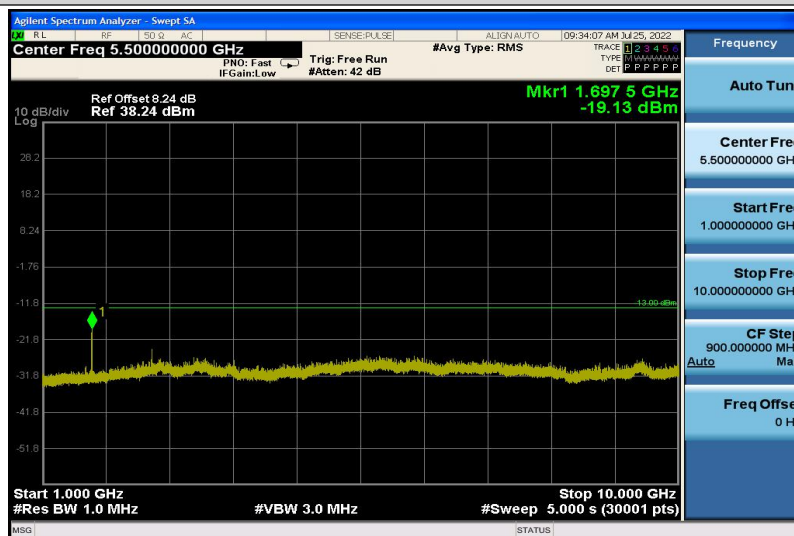
GPRS850-190-30~1000



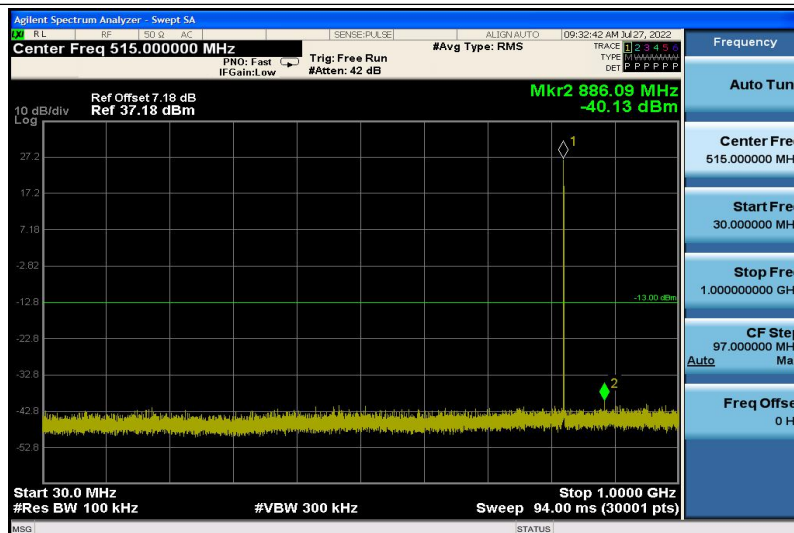
GPRS850-190-1000~10000



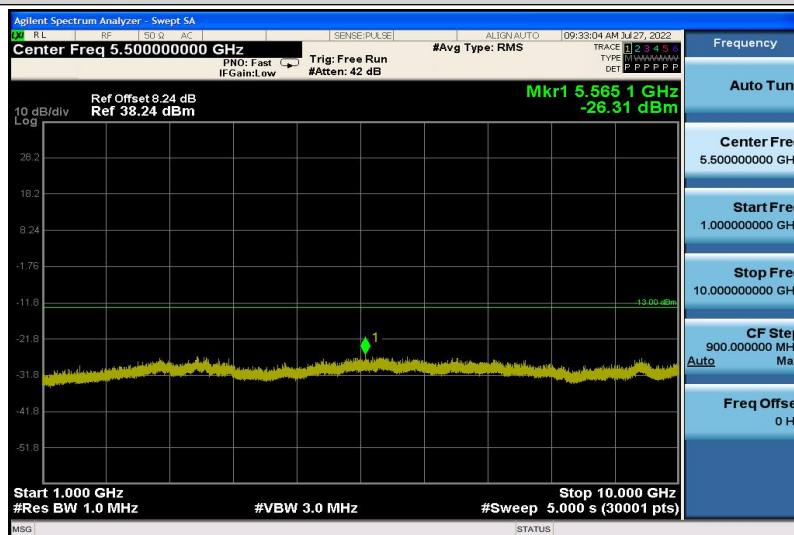
GPRS850-251-30~1000



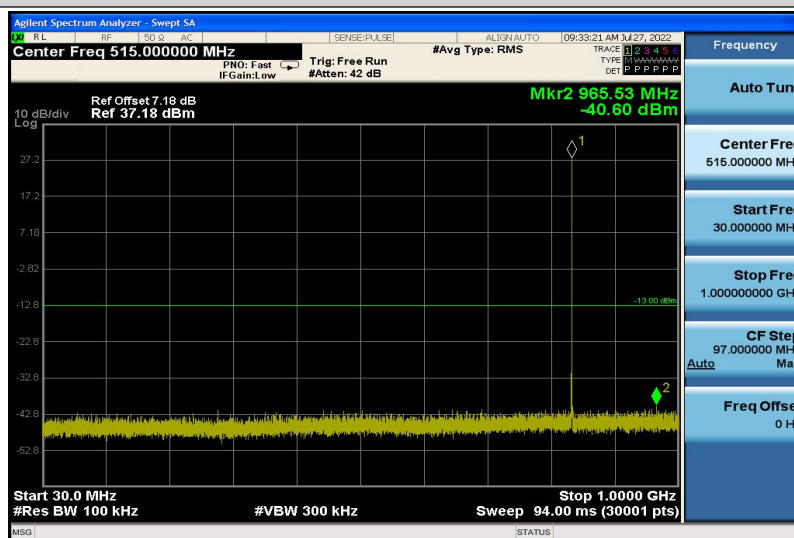
GPRS850-251-1000~10000



EGPRS850-128-30~1000



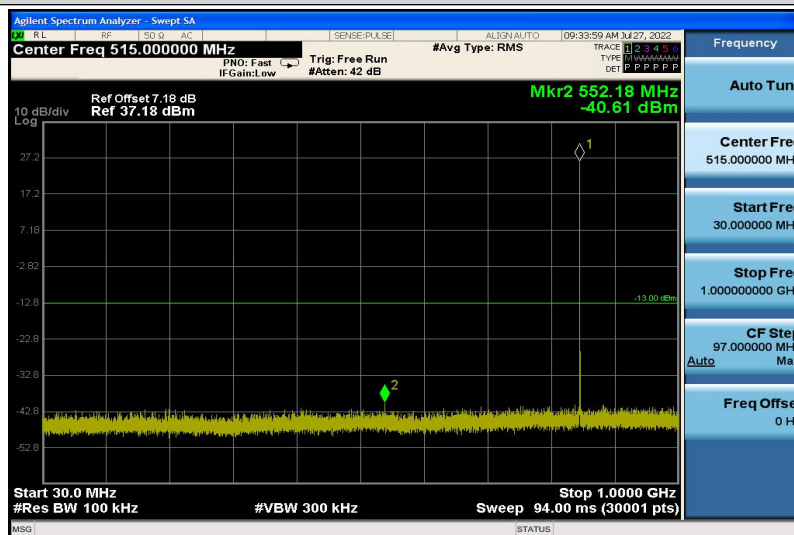
EGPRS850-128-1000~10000



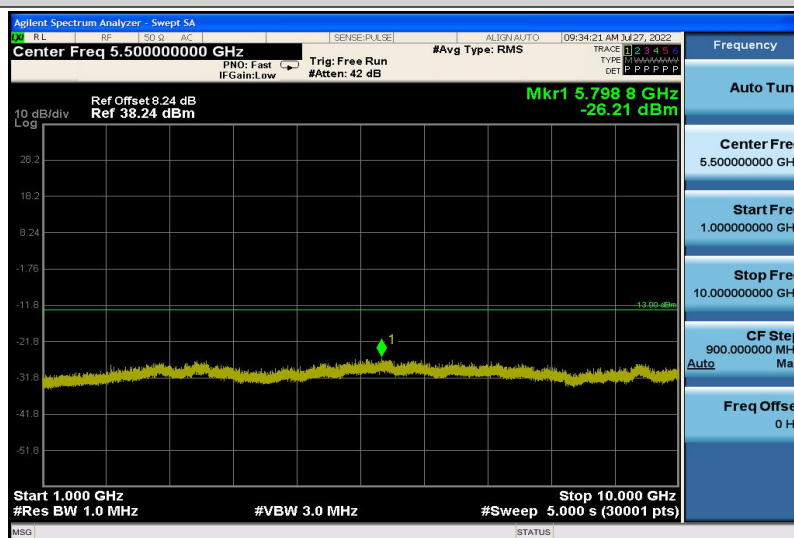
EGPRS850-190-30~1000



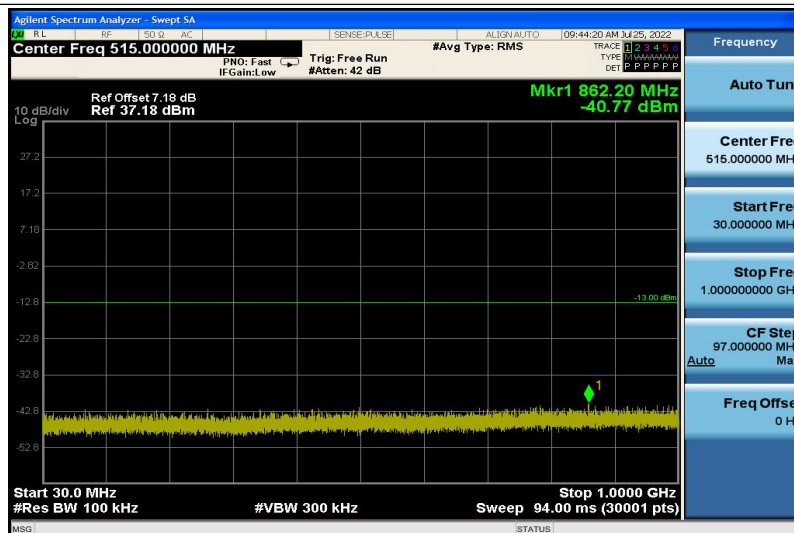
EGPRS850-190-1000~10000



EGPRS850-251-30~1000



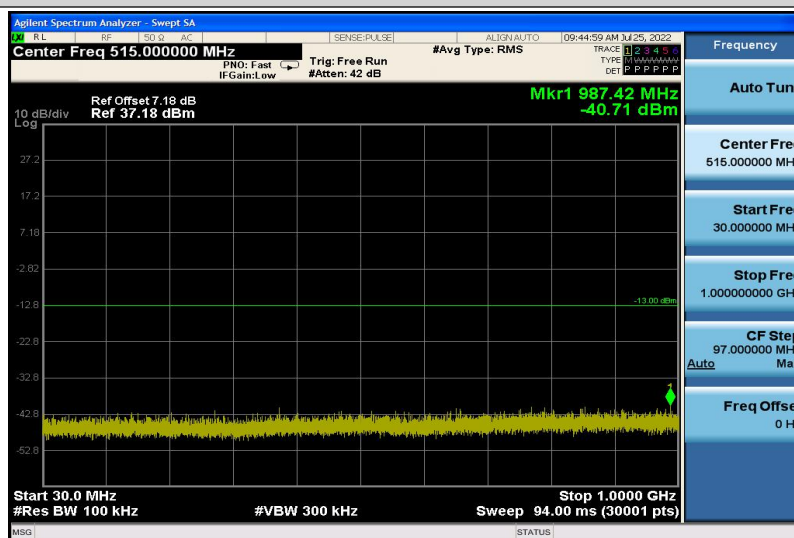
EGPRS850-251-1000~10000



GSM1900-512-30~1000



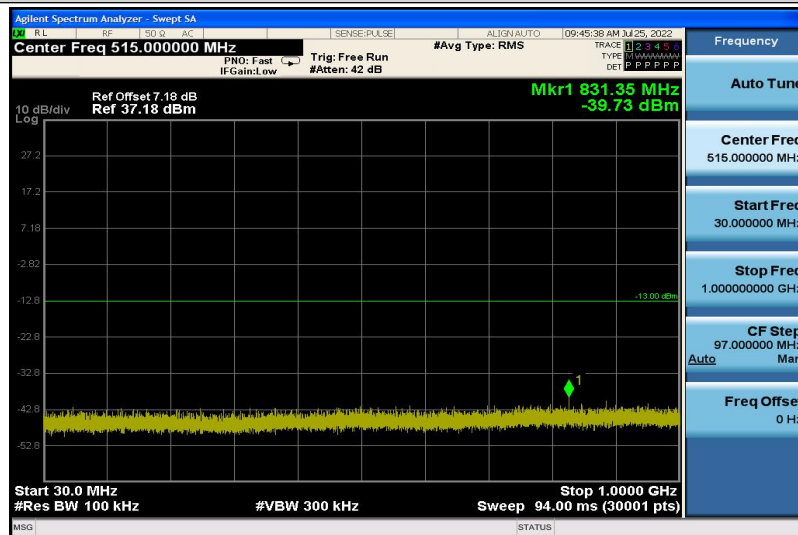
GSM1900-512-1000~20000



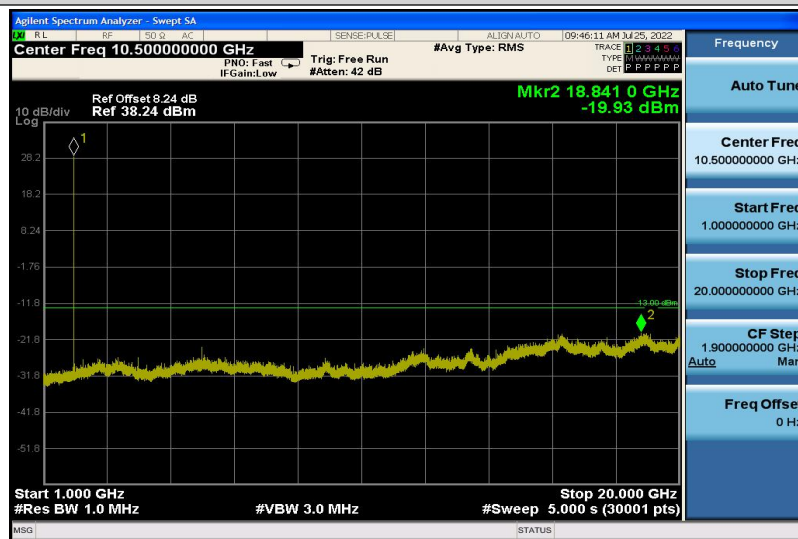
GSM1900-661-30~1000



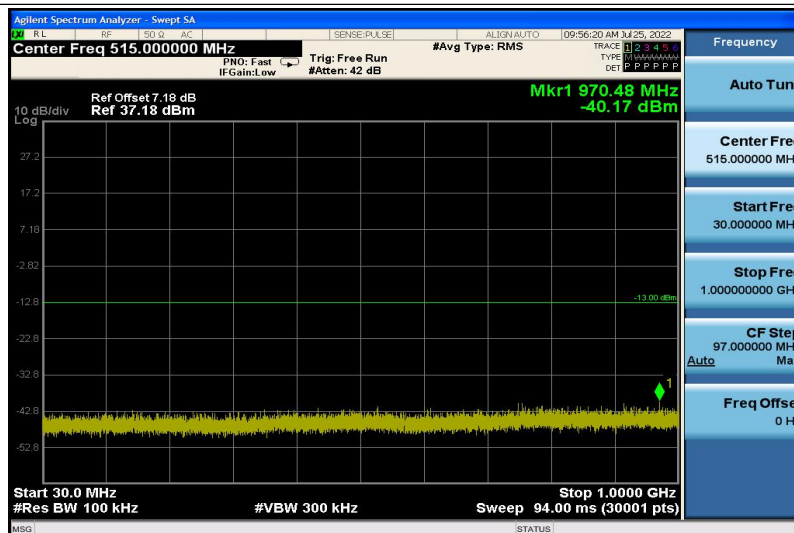
GSM1900-661-1000~20000



GSM1900-810-30~1000



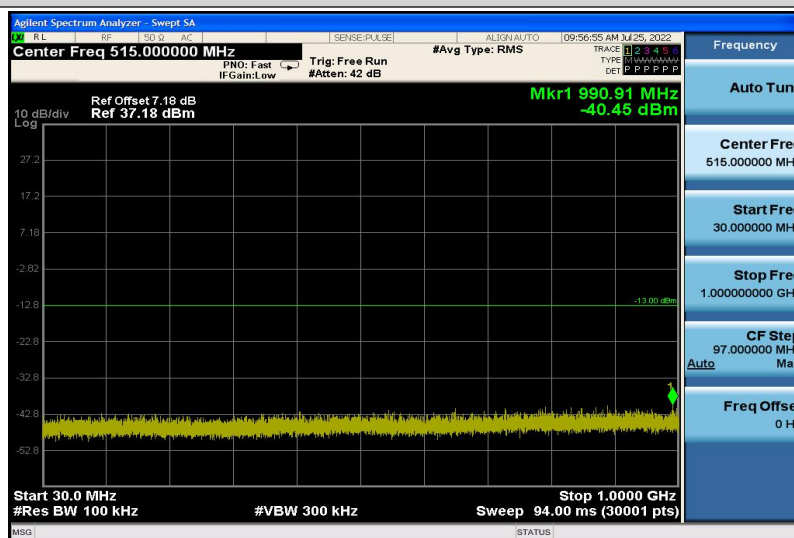
GSM1900-810-1000~20000



## GPRS1900-512-30~1000



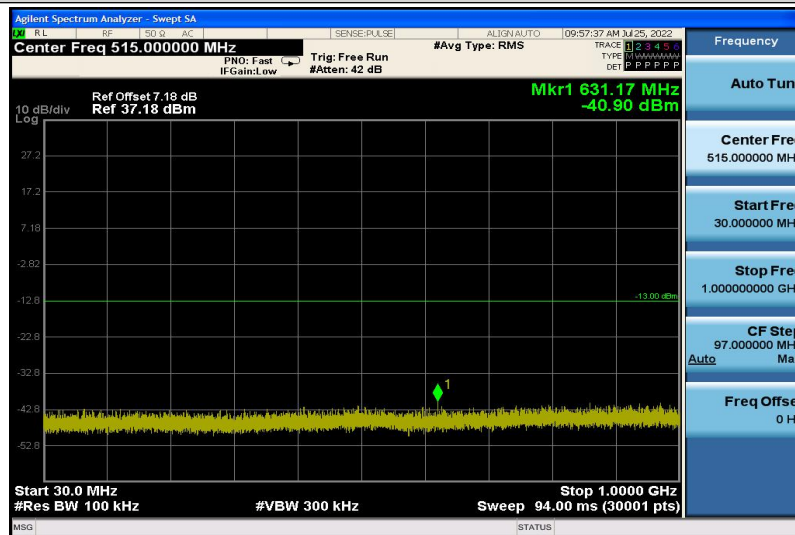
## GPRS1900-512-1000~20000



## GPRS1900-661-30~1000



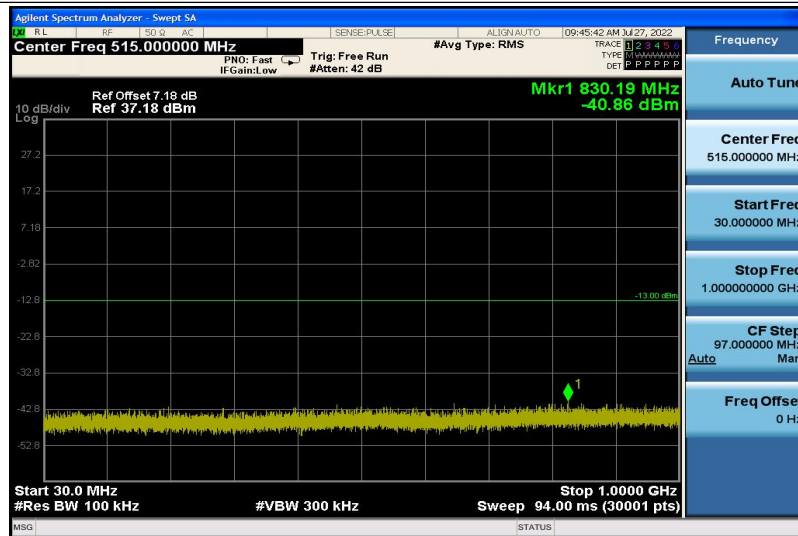
GPRS1900-661-1000~20000



GPRS1900-810-30~1000



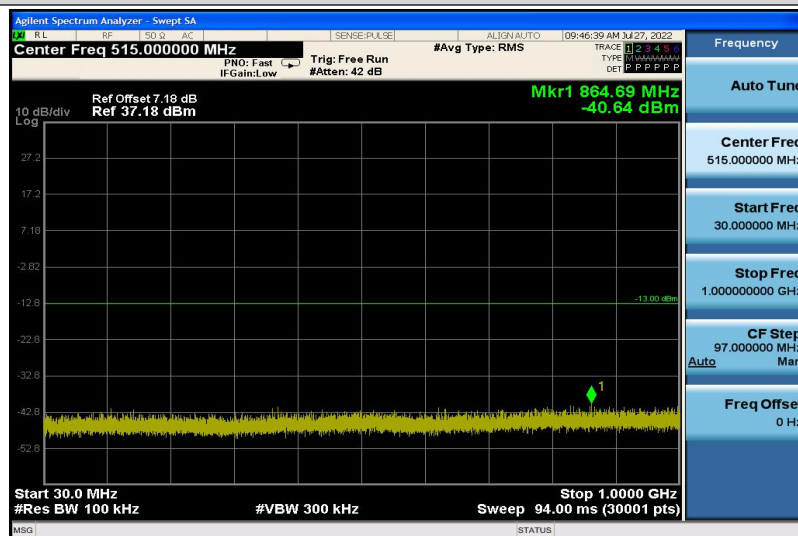
GPRS1900-810-1000~20000



EGPRS1900-512-30~1000



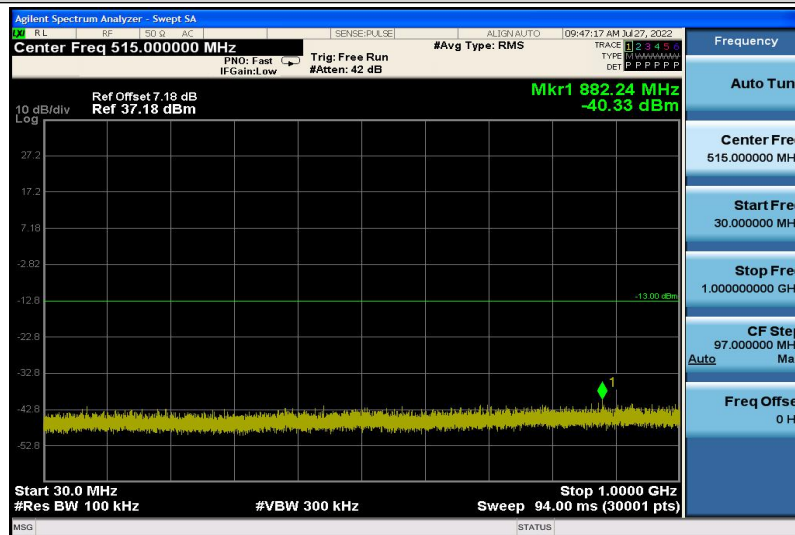
EGPRS1900-512-1000~20000



EGPRS1900-661-30~1000



## EGPRS1900-661-1000~20000



## EGPRS1900-810-30~1000



## EGPRS1900-810-1000~20000

## 8.6 Appendix F: Frequency Stability

### Test Result

| Voltage  |         |               |                  |                |                 |             |         |
|----------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band     | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| GSM850   | 128     | VL            | TN               | -1.81          | -0.002196       | 2.5         | PASS    |
| GSM850   | 128     | VN            | TN               | 0.68           | 0.000825        | 2.5         | PASS    |
| GSM850   | 128     | VH            | TN               | -0.52          | -0.000631       | 2.5         | PASS    |
| GSM850   | 190     | VL            | TN               | -4.91          | -0.005869       | 2.5         | PASS    |
| GSM850   | 190     | VN            | TN               | 0.55           | 0.000657        | 2.5         | PASS    |
| GSM850   | 190     | VH            | TN               | -3.45          | -0.004124       | 2.5         | PASS    |
| GSM850   | 251     | VL            | TN               | 2.07           | 0.002439        | 2.5         | PASS    |
| GSM850   | 251     | VN            | TN               | 4.81           | 0.005667        | 2.5         | PASS    |
| GSM850   | 251     | VH            | TN               | 1.07           | 0.001261        | 2.5         | PASS    |
| GPRS850  | 128     | VL            | TN               | 8.56           | 0.010386        | 2.5         | PASS    |
| GPRS850  | 128     | VN            | TN               | 7.43           | 0.009015        | 2.5         | PASS    |
| GPRS850  | 128     | VH            | TN               | 10.07          | 0.012218        | 2.5         | PASS    |
| GPRS850  | 190     | VL            | TN               | 4.04           | 0.004829        | 2.5         | PASS    |
| GPRS850  | 190     | VN            | TN               | 2.62           | 0.003132        | 2.5         | PASS    |
| GPRS850  | 190     | VH            | TN               | 2.20           | 0.002630        | 2.5         | PASS    |
| GPRS850  | 251     | VL            | TN               | 6.04           | 0.007116        | 2.5         | PASS    |
| GPRS850  | 251     | VN            | TN               | 4.91           | 0.005785        | 2.5         | PASS    |
| GPRS850  | 251     | VH            | TN               | 6.42           | 0.007564        | 2.5         | PASS    |
| EGPRS850 | 128     | VL            | TN               | -7.88          | -0.009561       | 2.5         | PASS    |
| EGPRS850 | 128     | VN            | TN               | -3.49          | -0.004234       | 2.5         | PASS    |
| EGPRS850 | 128     | VH            | TN               | -4.58          | -0.005557       | 2.5         | PASS    |
| EGPRS850 | 190     | VL            | TN               | 8.72           | 0.010423        | 2.5         | PASS    |
| EGPRS850 | 190     | VN            | TN               | 10.94          | 0.013077        | 2.5         | PASS    |
| EGPRS850 | 190     | VH            | TN               | 14.37          | 0.017177        | 2.5         | PASS    |
| EGPRS850 | 251     | VL            | TN               | 14.79          | 0.017425        | 2.5         | PASS    |
| EGPRS850 | 251     | VN            | TN               | 9.10           | 0.010721        | 2.5         | PASS    |
| EGPRS850 | 251     | VH            | TN               | 6.36           | 0.007493        | 2.5         | PASS    |
| GSM1900  | 512     | VL            | TN               | 10.04          | 0.005426        | 2.5         | PASS    |
| GSM1900  | 512     | VN            | TN               | 16.66          | 0.009004        | 2.5         | PASS    |
| GSM1900  | 512     | VH            | TN               | 1.29           | 0.000697        | 2.5         | PASS    |
| GSM1900  | 661     | VL            | TN               | 11.33          | 0.006027        | 2.5         | PASS    |
| GSM1900  | 661     | VN            | TN               | 9.98           | 0.005309        | 2.5         | PASS    |
| GSM1900  | 661     | VH            | TN               | 8.78           | 0.004670        | 2.5         | PASS    |
| GSM1900  | 810     | VL            | TN               | 6.39           | 0.003346        | 2.5         | PASS    |
| GSM1900  | 810     | VN            | TN               | 4.39           | 0.002299        | 2.5         | PASS    |

|           |     |    |    |        |           |     |      |
|-----------|-----|----|----|--------|-----------|-----|------|
| GSM1900   | 810 | VH | TN | 3.03   | 0.001587  | 2.5 | PASS |
| GPRS1900  | 512 | VL | TN | 2.91   | 0.001573  | 2.5 | PASS |
| GPRS1900  | 512 | VN | TN | 18.02  | 0.009739  | 2.5 | PASS |
| GPRS1900  | 512 | VH | TN | -1.78  | -0.000962 | 2.5 | PASS |
| GPRS1900  | 661 | VL | TN | 4.62   | 0.002457  | 2.5 | PASS |
| GPRS1900  | 661 | VN | TN | -0.52  | -0.000277 | 2.5 | PASS |
| GPRS1900  | 661 | VH | TN | -5.39  | -0.002867 | 2.5 | PASS |
| GPRS1900  | 810 | VL | TN | 4.13   | 0.002163  | 2.5 | PASS |
| GPRS1900  | 810 | VN | TN | -1.26  | -0.000660 | 2.5 | PASS |
| GPRS1900  | 810 | VH | TN | 0.36   | 0.000189  | 2.5 | PASS |
| EGPRS1900 | 512 | VL | TN | -9.33  | -0.005043 | 2.5 | PASS |
| EGPRS1900 | 512 | VN | TN | 16.34  | 0.008831  | 2.5 | PASS |
| EGPRS1900 | 512 | VH | TN | 5.46   | 0.002951  | 2.5 | PASS |
| EGPRS1900 | 661 | VL | TN | 2.52   | 0.001340  | 2.5 | PASS |
| EGPRS1900 | 661 | VN | TN | 2.62   | 0.001394  | 2.5 | PASS |
| EGPRS1900 | 661 | VH | TN | 7.72   | 0.004106  | 2.5 | PASS |
| EGPRS1900 | 810 | VL | TN | -10.59 | -0.005545 | 2.5 | PASS |
| EGPRS1900 | 810 | VN | TN | -4.33  | -0.002267 | 2.5 | PASS |
| EGPRS1900 | 810 | VH | TN | 3.68   | 0.001927  | 2.5 | PASS |

| Temperature |         |               |                  |                |                 |             |         |
|-------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| GSM850      | 128     | VN            | -30              | 6.04           | 0.007328        | 2.5         | PASS    |
| GSM850      | 128     | VN            | -20              | 0.87           | 0.001056        | 2.5         | PASS    |
| GSM850      | 128     | VN            | -10              | 4.97           | 0.006030        | 2.5         | PASS    |
| GSM850      | 128     | VN            | 0                | 1.78           | 0.002160        | 2.5         | PASS    |
| GSM850      | 128     | VN            | 10               | -0.06          | -0.000073       | 2.5         | PASS    |
| GSM850      | 128     | VN            | 20               | -3.84          | -0.004659       | 2.5         | PASS    |
| GSM850      | 128     | VN            | 30               | 6.26           | 0.007595        | 2.5         | PASS    |
| GSM850      | 128     | VN            | 40               | 0.84           | 0.001019        | 2.5         | PASS    |
| GSM850      | 128     | VN            | 50               | 2.45           | 0.002973        | 2.5         | PASS    |
| GSM850      | 190     | VN            | -30              | 3.78           | 0.004518        | 2.5         | PASS    |
| GSM850      | 190     | VN            | -20              | 5.00           | 0.005977        | 2.5         | PASS    |
| GSM850      | 190     | VN            | -10              | 4.46           | 0.005331        | 2.5         | PASS    |
| GSM850      | 190     | VN            | 0                | 6.62           | 0.007913        | 2.5         | PASS    |
| GSM850      | 190     | VN            | 10               | 8.52           | 0.010184        | 2.5         | PASS    |
| GSM850      | 190     | VN            | 20               | 5.65           | 0.006754        | 2.5         | PASS    |
| GSM850      | 190     | VN            | 30               | 6.26           | 0.007483        | 2.5         | PASS    |
| GSM850      | 190     | VN            | 40               | 6.78           | 0.008104        | 2.5         | PASS    |
| GSM850      | 190     | VN            | 50               | 4.10           | 0.004901        | 2.5         | PASS    |
| GSM850      | 251     | VN            | -30              | 0.90           | 0.001060        | 2.5         | PASS    |
| GSM850      | 251     | VN            | -20              | 9.10           | 0.010721        | 2.5         | PASS    |

|          |     |    |     |       |           |     |      |
|----------|-----|----|-----|-------|-----------|-----|------|
| GSM850   | 251 | VN | -10 | 0.45  | 0.000530  | 2.5 | PASS |
| GSM850   | 251 | VN | 0   | 5.91  | 0.006963  | 2.5 | PASS |
| GSM850   | 251 | VN | 10  | 8.07  | 0.009508  | 2.5 | PASS |
| GSM850   | 251 | VN | 20  | 9.56  | 0.011263  | 2.5 | PASS |
| GSM850   | 251 | VN | 30  | 1.55  | 0.001826  | 2.5 | PASS |
| GSM850   | 251 | VN | 40  | 4.33  | 0.005101  | 2.5 | PASS |
| GSM850   | 251 | VN | 50  | 5.20  | 0.006126  | 2.5 | PASS |
| GPRS850  | 128 | VN | -30 | 6.55  | 0.007947  | 2.5 | PASS |
| GPRS850  | 128 | VN | -20 | 4.36  | 0.005290  | 2.5 | PASS |
| GPRS850  | 128 | VN | -10 | 8.78  | 0.010653  | 2.5 | PASS |
| GPRS850  | 128 | VN | 0   | 9.62  | 0.011672  | 2.5 | PASS |
| GPRS850  | 128 | VN | 10  | 2.55  | 0.003094  | 2.5 | PASS |
| GPRS850  | 128 | VN | 20  | 6.23  | 0.007559  | 2.5 | PASS |
| GPRS850  | 128 | VN | 30  | 8.65  | 0.010495  | 2.5 | PASS |
| GPRS850  | 128 | VN | 40  | 2.97  | 0.003603  | 2.5 | PASS |
| GPRS850  | 128 | VN | 50  | 7.97  | 0.009670  | 2.5 | PASS |
| GPRS850  | 190 | VN | -30 | 2.91  | 0.003478  | 2.5 | PASS |
| GPRS850  | 190 | VN | -20 | 6.78  | 0.008104  | 2.5 | PASS |
| GPRS850  | 190 | VN | -10 | -0.10 | -0.000120 | 2.5 | PASS |
| GPRS850  | 190 | VN | 0   | 6.04  | 0.007220  | 2.5 | PASS |
| GPRS850  | 190 | VN | 10  | 3.07  | 0.003670  | 2.5 | PASS |
| GPRS850  | 190 | VN | 20  | 3.20  | 0.003825  | 2.5 | PASS |
| GPRS850  | 190 | VN | 30  | 4.58  | 0.005475  | 2.5 | PASS |
| GPRS850  | 190 | VN | 40  | 3.68  | 0.004399  | 2.5 | PASS |
| GPRS850  | 190 | VN | 50  | 4.49  | 0.005367  | 2.5 | PASS |
| GPRS850  | 251 | VN | -30 | 4.39  | 0.005172  | 2.5 | PASS |
| GPRS850  | 251 | VN | -20 | 7.14  | 0.008412  | 2.5 | PASS |
| GPRS850  | 251 | VN | -10 | 6.65  | 0.007835  | 2.5 | PASS |
| GPRS850  | 251 | VN | 0   | 7.94  | 0.009354  | 2.5 | PASS |
| GPRS850  | 251 | VN | 10  | 14.17 | 0.016694  | 2.5 | PASS |
| GPRS850  | 251 | VN | 20  | 11.72 | 0.013808  | 2.5 | PASS |
| GPRS850  | 251 | VN | 30  | 7.81  | 0.009201  | 2.5 | PASS |
| GPRS850  | 251 | VN | 40  | 7.78  | 0.009166  | 2.5 | PASS |
| GPRS850  | 251 | VN | 50  | 10.17 | 0.011982  | 2.5 | PASS |
| EGPRS850 | 128 | VN | -30 | -2.81 | -0.003409 | 2.5 | PASS |
| EGPRS850 | 128 | VN | -20 | -0.45 | -0.000546 | 2.5 | PASS |
| EGPRS850 | 128 | VN | -10 | -0.87 | -0.001056 | 2.5 | PASS |
| EGPRS850 | 128 | VN | 0   | -4.46 | -0.005411 | 2.5 | PASS |
| EGPRS850 | 128 | VN | 10  | 4.94  | 0.005994  | 2.5 | PASS |
| EGPRS850 | 128 | VN | 20  | 5.10  | 0.006188  | 2.5 | PASS |
| EGPRS850 | 128 | VN | 30  | 0.36  | 0.000437  | 2.5 | PASS |
| EGPRS850 | 128 | VN | 40  | 3.65  | 0.004429  | 2.5 | PASS |
| EGPRS850 | 128 | VN | 50  | -0.77 | -0.000934 | 2.5 | PASS |

|          |     |    |     |       |           |     |      |
|----------|-----|----|-----|-------|-----------|-----|------|
| EGPRS850 | 190 | VN | -30 | 13.95 | 0.016675  | 2.5 | PASS |
| EGPRS850 | 190 | VN | -20 | 7.68  | 0.009180  | 2.5 | PASS |
| EGPRS850 | 190 | VN | -10 | 3.87  | 0.004626  | 2.5 | PASS |
| EGPRS850 | 190 | VN | 0   | 15.46 | 0.018480  | 2.5 | PASS |
| EGPRS850 | 190 | VN | 10  | 12.91 | 0.015432  | 2.5 | PASS |
| EGPRS850 | 190 | VN | 20  | 10.69 | 0.012778  | 2.5 | PASS |
| EGPRS850 | 190 | VN | 30  | 8.17  | 0.009766  | 2.5 | PASS |
| EGPRS850 | 190 | VN | 40  | 16.76 | 0.020033  | 2.5 | PASS |
| EGPRS850 | 190 | VN | 50  | 7.55  | 0.009025  | 2.5 | PASS |
| EGPRS850 | 251 | VN | -30 | 8.46  | 0.009967  | 2.5 | PASS |
| EGPRS850 | 251 | VN | -20 | 7.01  | 0.008259  | 2.5 | PASS |
| EGPRS850 | 251 | VN | -10 | 12.98 | 0.015292  | 2.5 | PASS |
| EGPRS850 | 251 | VN | 0   | 10.04 | 0.011828  | 2.5 | PASS |
| EGPRS850 | 251 | VN | 10  | 9.78  | 0.011522  | 2.5 | PASS |
| EGPRS850 | 251 | VN | 20  | 6.49  | 0.007646  | 2.5 | PASS |
| EGPRS850 | 251 | VN | 30  | 12.17 | 0.014338  | 2.5 | PASS |
| EGPRS850 | 251 | VN | 40  | 12.91 | 0.015210  | 2.5 | PASS |
| EGPRS850 | 251 | VN | 50  | 15.27 | 0.017990  | 2.5 | PASS |
| GSM1900  | 512 | VN | -30 | -3.29 | -0.001778 | 2.5 | PASS |
| GSM1900  | 512 | VN | -20 | -0.45 | -0.000243 | 2.5 | PASS |
| GSM1900  | 512 | VN | -10 | -2.58 | -0.001394 | 2.5 | PASS |
| GSM1900  | 512 | VN | 0   | 9.43  | 0.005097  | 2.5 | PASS |
| GSM1900  | 512 | VN | 10  | 13.56 | 0.007329  | 2.5 | PASS |
| GSM1900  | 512 | VN | 20  | 10.40 | 0.005621  | 2.5 | PASS |
| GSM1900  | 512 | VN | 30  | 10.56 | 0.005707  | 2.5 | PASS |
| GSM1900  | 512 | VN | 40  | 4.52  | 0.002443  | 2.5 | PASS |
| GSM1900  | 512 | VN | 50  | 9.98  | 0.005394  | 2.5 | PASS |
| GSM1900  | 661 | VN | -30 | 4.84  | 0.002574  | 2.5 | PASS |
| GSM1900  | 661 | VN | -20 | 13.27 | 0.007059  | 2.5 | PASS |
| GSM1900  | 661 | VN | -10 | -5.33 | -0.002835 | 2.5 | PASS |
| GSM1900  | 661 | VN | 0   | 3.62  | 0.001926  | 2.5 | PASS |
| GSM1900  | 661 | VN | 10  | 5.65  | 0.003005  | 2.5 | PASS |
| GSM1900  | 661 | VN | 20  | -3.13 | -0.001665 | 2.5 | PASS |
| GSM1900  | 661 | VN | 30  | 9.43  | 0.005016  | 2.5 | PASS |
| GSM1900  | 661 | VN | 40  | 10.98 | 0.005840  | 2.5 | PASS |
| GSM1900  | 661 | VN | 50  | 5.04  | 0.002681  | 2.5 | PASS |
| GSM1900  | 810 | VN | -30 | -1.07 | -0.000560 | 2.5 | PASS |
| GSM1900  | 810 | VN | -20 | 0.81  | 0.000424  | 2.5 | PASS |
| GSM1900  | 810 | VN | -10 | 11.04 | 0.005781  | 2.5 | PASS |
| GSM1900  | 810 | VN | 0   | 14.59 | 0.007640  | 2.5 | PASS |
| GSM1900  | 810 | VN | 10  | 18.79 | 0.009839  | 2.5 | PASS |
| GSM1900  | 810 | VN | 20  | 0.52  | 0.000272  | 2.5 | PASS |
| GSM1900  | 810 | VN | 30  | -7.23 | -0.003786 | 2.5 | PASS |

|           |     |    |     |        |           |     |      |
|-----------|-----|----|-----|--------|-----------|-----|------|
| GSM1900   | 810 | VN | 40  | 1.03   | 0.000539  | 2.5 | PASS |
| GSM1900   | 810 | VN | 50  | 0.52   | 0.000272  | 2.5 | PASS |
| GPRS1900  | 512 | VN | -30 | 17.50  | 0.009458  | 2.5 | PASS |
| GPRS1900  | 512 | VN | -20 | 6.72   | 0.003632  | 2.5 | PASS |
| GPRS1900  | 512 | VN | -10 | 12.66  | 0.006843  | 2.5 | PASS |
| GPRS1900  | 512 | VN | 0   | 8.27   | 0.004470  | 2.5 | PASS |
| GPRS1900  | 512 | VN | 10  | 25.05  | 0.013539  | 2.5 | PASS |
| GPRS1900  | 512 | VN | 20  | 3.49   | 0.001886  | 2.5 | PASS |
| GPRS1900  | 512 | VN | 30  | 0.42   | 0.000227  | 2.5 | PASS |
| GPRS1900  | 512 | VN | 40  | 11.62  | 0.006280  | 2.5 | PASS |
| GPRS1900  | 512 | VN | 50  | 16.30  | 0.008810  | 2.5 | PASS |
| GPRS1900  | 661 | VN | -30 | 1.10   | 0.000585  | 2.5 | PASS |
| GPRS1900  | 661 | VN | -20 | 2.13   | 0.001133  | 2.5 | PASS |
| GPRS1900  | 661 | VN | -10 | 4.78   | 0.002543  | 2.5 | PASS |
| GPRS1900  | 661 | VN | 0   | 5.00   | 0.002660  | 2.5 | PASS |
| GPRS1900  | 661 | VN | 10  | 4.94   | 0.002628  | 2.5 | PASS |
| GPRS1900  | 661 | VN | 20  | 13.75  | 0.007314  | 2.5 | PASS |
| GPRS1900  | 661 | VN | 30  | -7.81  | -0.004154 | 2.5 | PASS |
| GPRS1900  | 661 | VN | 40  | -1.74  | -0.000926 | 2.5 | PASS |
| GPRS1900  | 661 | VN | 50  | 6.62   | 0.003521  | 2.5 | PASS |
| GPRS1900  | 810 | VN | -30 | 1.65   | 0.000864  | 2.5 | PASS |
| GPRS1900  | 810 | VN | -20 | 16.59  | 0.008687  | 2.5 | PASS |
| GPRS1900  | 810 | VN | -10 | 7.10   | 0.003718  | 2.5 | PASS |
| GPRS1900  | 810 | VN | 0   | 11.78  | 0.006168  | 2.5 | PASS |
| GPRS1900  | 810 | VN | 10  | 19.15  | 0.010027  | 2.5 | PASS |
| GPRS1900  | 810 | VN | 20  | -5.20  | -0.002723 | 2.5 | PASS |
| GPRS1900  | 810 | VN | 30  | 15.43  | 0.008079  | 2.5 | PASS |
| GPRS1900  | 810 | VN | 40  | 6.04   | 0.003163  | 2.5 | PASS |
| GPRS1900  | 810 | VN | 50  | 8.23   | 0.004309  | 2.5 | PASS |
| EGPRS1900 | 512 | VN | -30 | 6.46   | 0.003492  | 2.5 | PASS |
| EGPRS1900 | 512 | VN | -20 | 9.46   | 0.005113  | 2.5 | PASS |
| EGPRS1900 | 512 | VN | -10 | 14.40  | 0.007783  | 2.5 | PASS |
| EGPRS1900 | 512 | VN | 0   | -5.04  | -0.002724 | 2.5 | PASS |
| EGPRS1900 | 512 | VN | 10  | 15.85  | 0.008567  | 2.5 | PASS |
| EGPRS1900 | 512 | VN | 20  | 9.33   | 0.005043  | 2.5 | PASS |
| EGPRS1900 | 512 | VN | 30  | 9.01   | 0.004870  | 2.5 | PASS |
| EGPRS1900 | 512 | VN | 40  | 0.74   | 0.000400  | 2.5 | PASS |
| EGPRS1900 | 512 | VN | 50  | 5.84   | 0.003156  | 2.5 | PASS |
| EGPRS1900 | 661 | VN | -30 | -3.68  | -0.001957 | 2.5 | PASS |
| EGPRS1900 | 661 | VN | -20 | -1.19  | -0.000633 | 2.5 | PASS |
| EGPRS1900 | 661 | VN | -10 | -4.78  | -0.002543 | 2.5 | PASS |
| EGPRS1900 | 661 | VN | 0   | -15.43 | -0.008207 | 2.5 | PASS |
| EGPRS1900 | 661 | VN | 10  | 6.07   | 0.003229  | 2.5 | PASS |

|           |     |    |     |       |           |     |      |
|-----------|-----|----|-----|-------|-----------|-----|------|
| EGPRS1900 | 661 | VN | 20  | -4.49 | -0.002388 | 2.5 | PASS |
| EGPRS1900 | 661 | VN | 30  | -5.59 | -0.002973 | 2.5 | PASS |
| EGPRS1900 | 661 | VN | 40  | 0.65  | 0.000346  | 2.5 | PASS |
| EGPRS1900 | 661 | VN | 50  | 2.03  | 0.001080  | 2.5 | PASS |
| EGPRS1900 | 810 | VN | -30 | 1.39  | 0.000728  | 2.5 | PASS |
| EGPRS1900 | 810 | VN | -20 | 7.59  | 0.003974  | 2.5 | PASS |
| EGPRS1900 | 810 | VN | -10 | 6.72  | 0.003519  | 2.5 | PASS |
| EGPRS1900 | 810 | VN | 0   | 13.56 | 0.007100  | 2.5 | PASS |
| EGPRS1900 | 810 | VN | 10  | 11.82 | 0.006189  | 2.5 | PASS |
| EGPRS1900 | 810 | VN | 20  | 16.53 | 0.008655  | 2.5 | PASS |
| EGPRS1900 | 810 | VN | 30  | 16.14 | 0.008451  | 2.5 | PASS |
| EGPRS1900 | 810 | VN | 40  | 5.29  | 0.002770  | 2.5 | PASS |
| EGPRS1900 | 810 | VN | 50  | 21.08 | 0.011038  | 2.5 | PASS |

## 8.7 Appendix G: ERP and EIRP

### Test Result

| Band   | Mode  | Conducted Power<br>(dBm) | Antenna Gain<br>(dBi) | ERP   |        | Limit<br>(W) | Verdict |
|--------|-------|--------------------------|-----------------------|-------|--------|--------------|---------|
|        |       |                          |                       | (dBm) | (W)    |              |         |
| GSM850 | GSM   | 33.25                    | -1.17                 | 29.93 | 0.9840 | 7            | PASS    |
|        | GPRS  | 32.99                    | -1.17                 | 29.67 | 0.9268 | 7            | PASS    |
|        | EGPRS | 26.12                    | -1.17                 | 22.80 | 0.1905 | 7            | PASS    |

| Band    | Mode  | Conducted Power<br>(dBm) | Antenna Gain<br>(dBi) | EIRP  |        | Limit<br>(W) | Verdict |
|---------|-------|--------------------------|-----------------------|-------|--------|--------------|---------|
|         |       |                          |                       | (dBm) | (W)    |              |         |
| GSM1900 | GSM   | 28.35                    | -0.76                 | 27.59 | 0.5741 | 2            | PASS    |
|         | GPRS  | 28.40                    | -0.76                 | 27.64 | 0.5808 | 2            | PASS    |
|         | EGPRS | 25.35                    | -0.76                 | 24.59 | 0.2877 | 2            | PASS    |

-----End of the Report -----