



GPRS1900-810



EGPRS1900-512



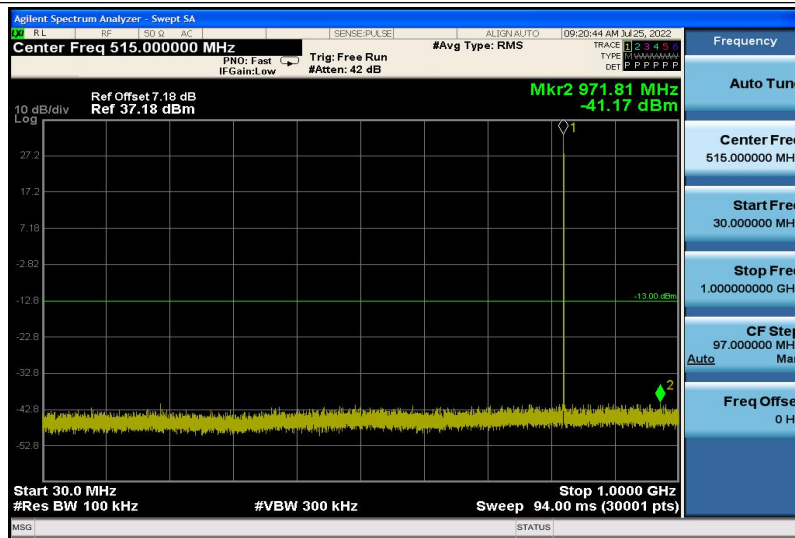
EGPRS1900-810

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 |

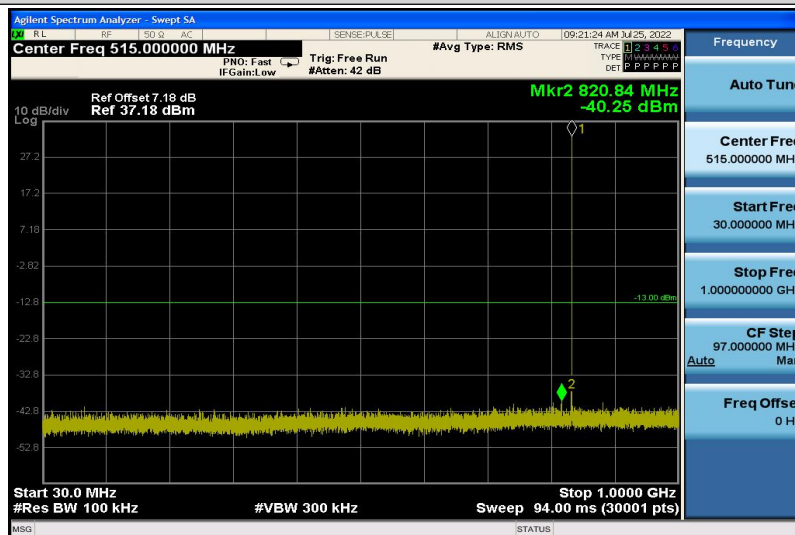
Test Graphs



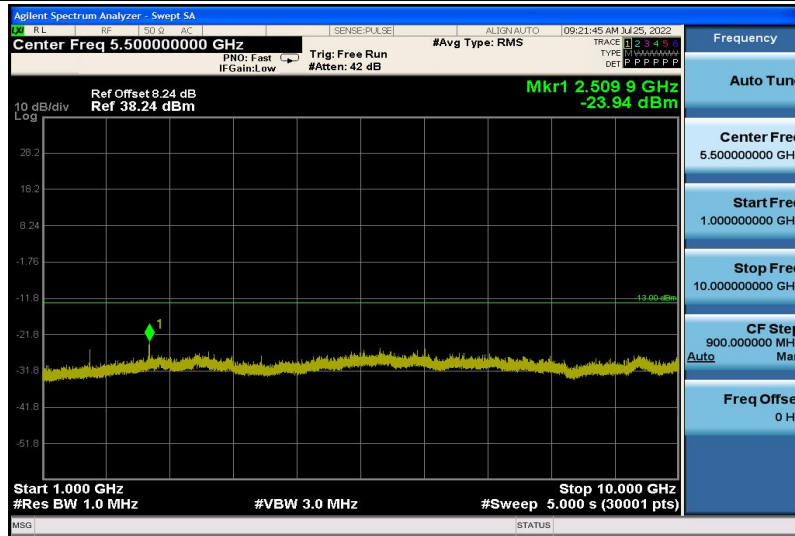
GSM850-128-30~1000



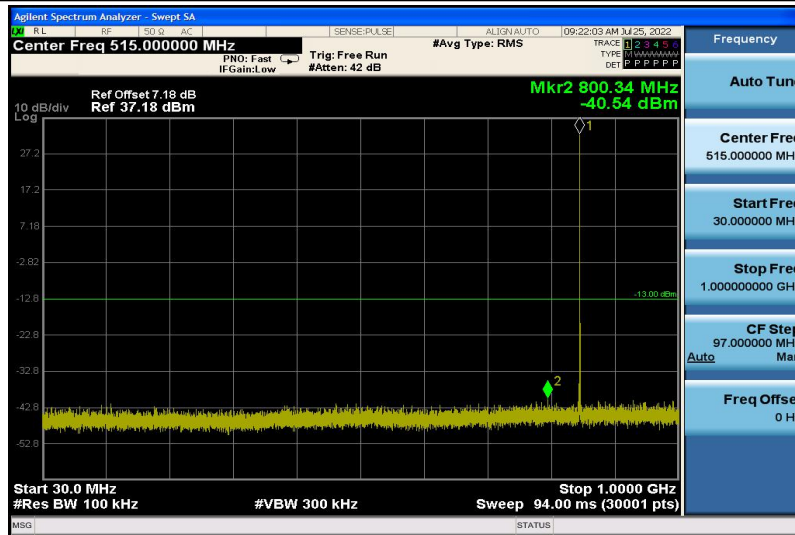
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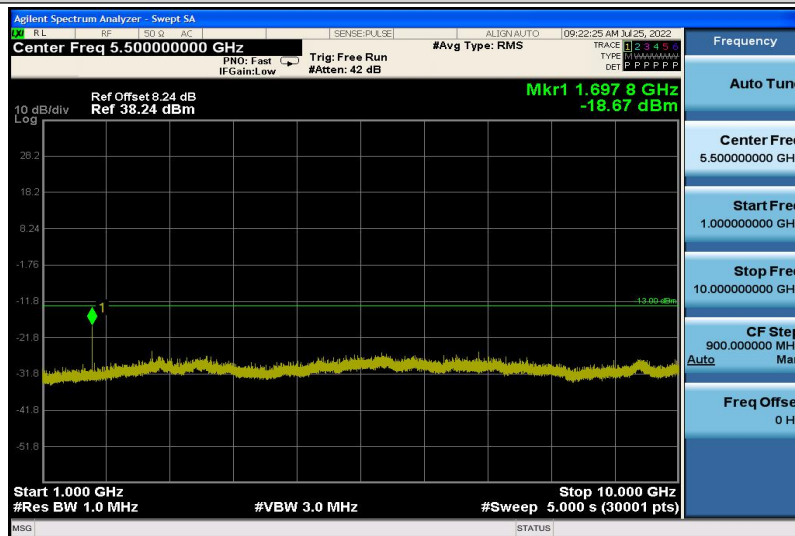
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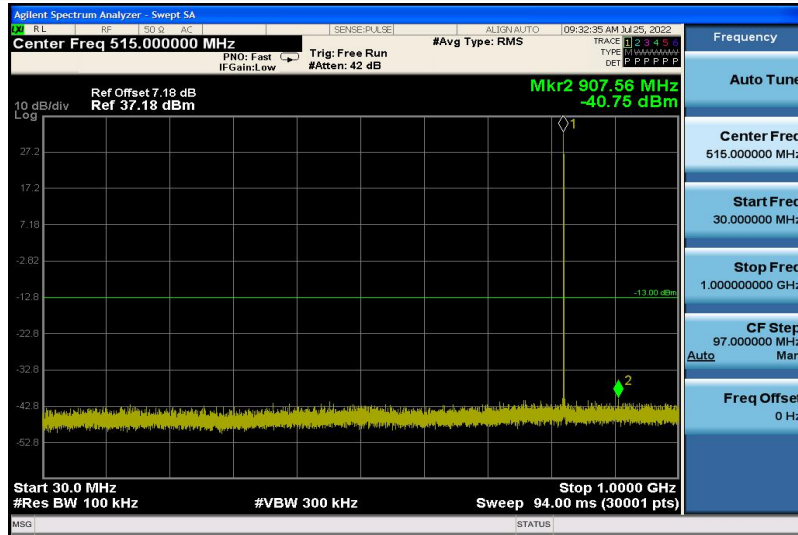
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GSM850-251-30~1000



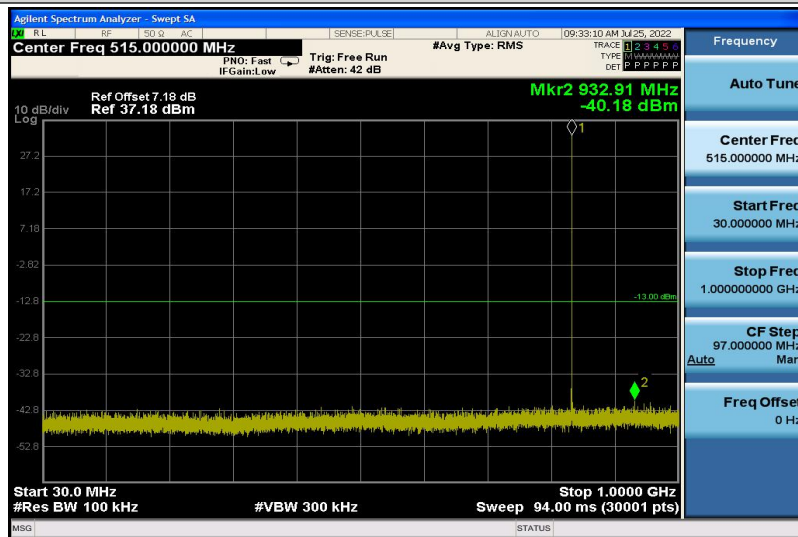
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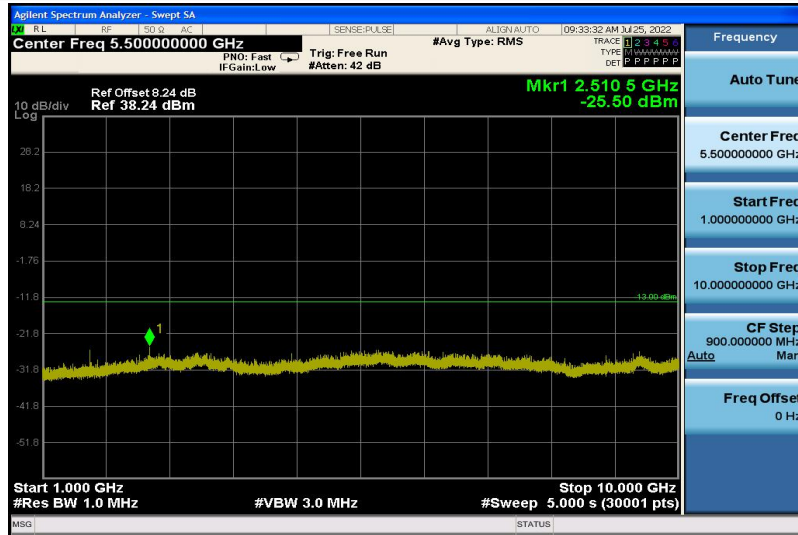
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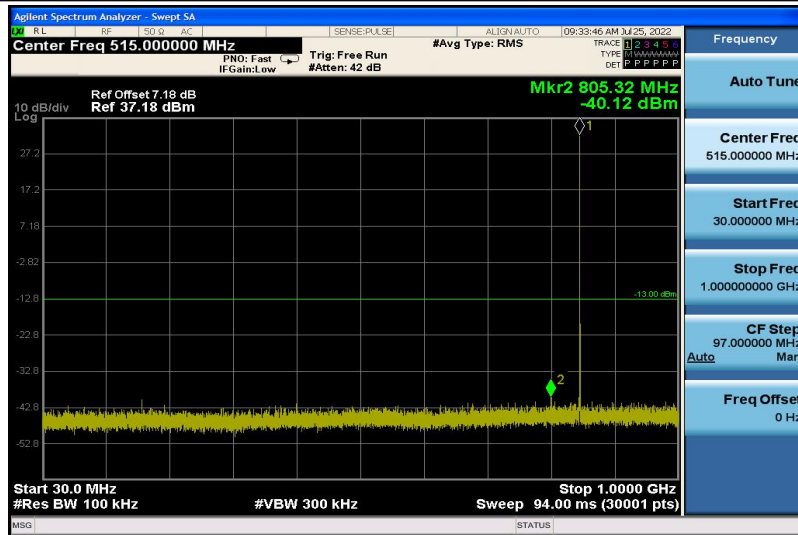
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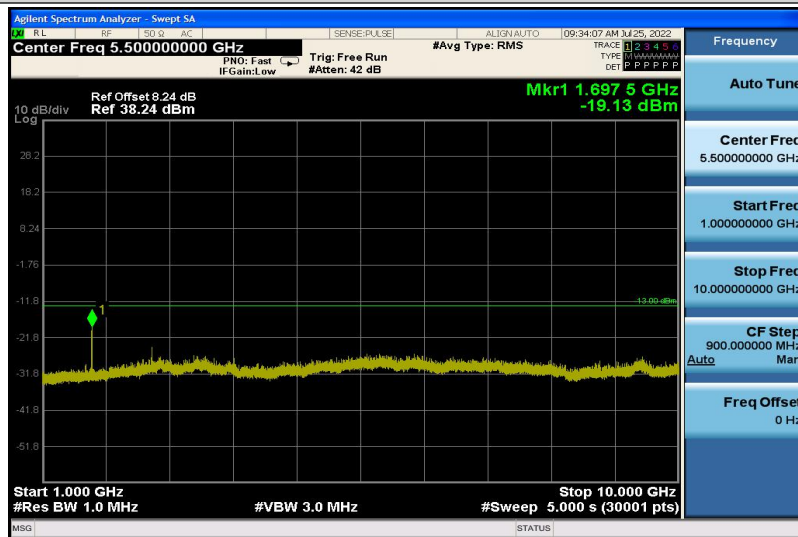
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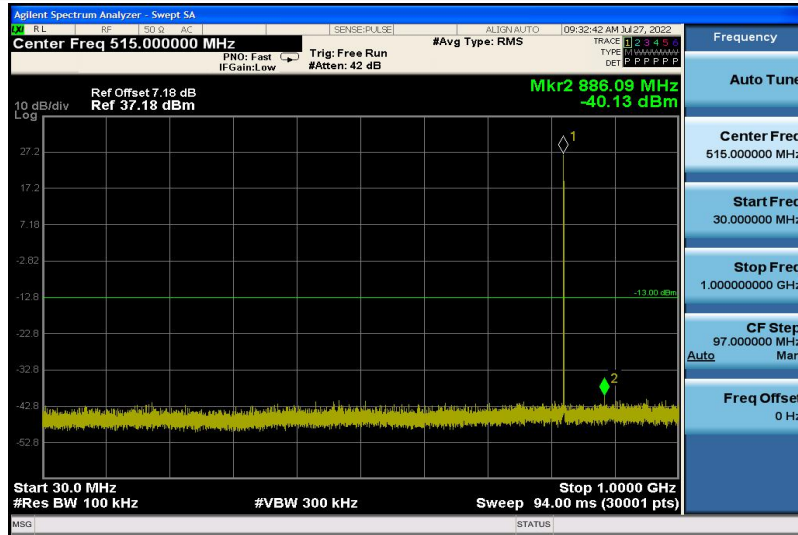
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GPRS850-251-30~1000



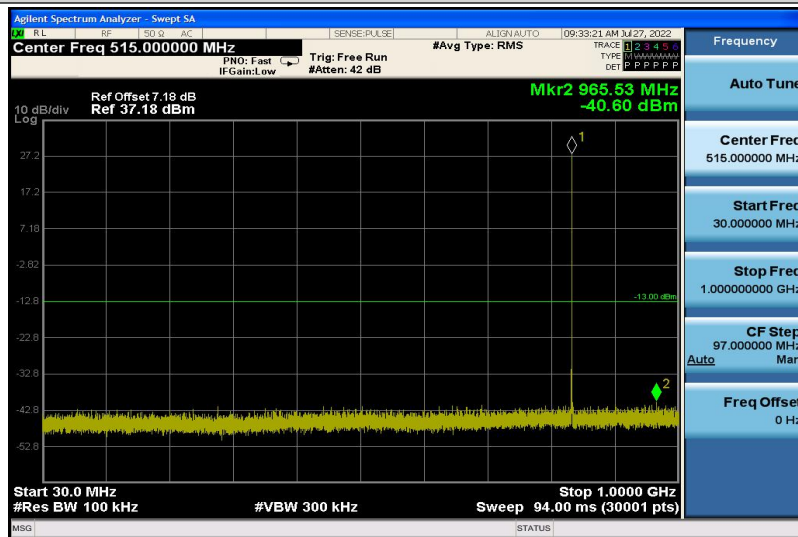
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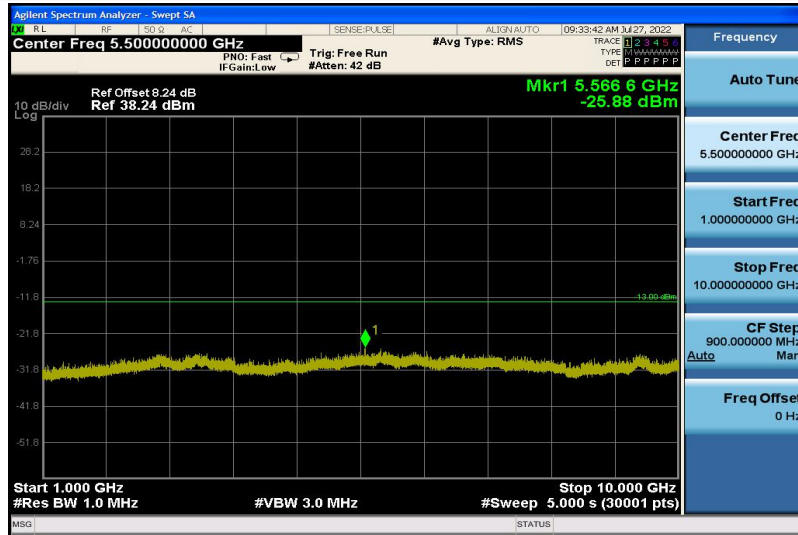
EGPRS850-128-30~1000



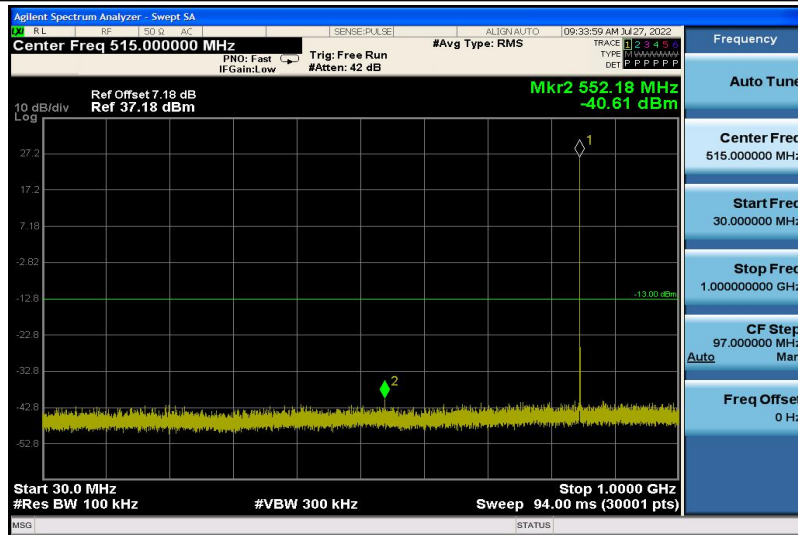
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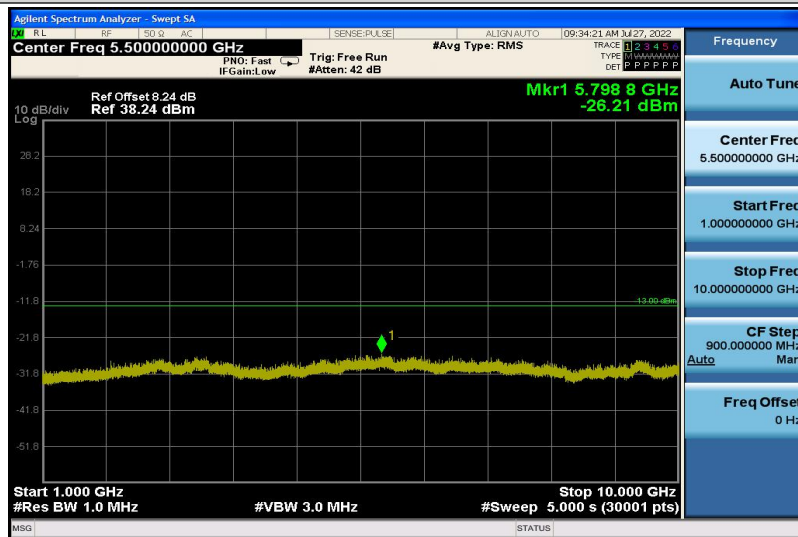
EGPRS850-190-30~1000



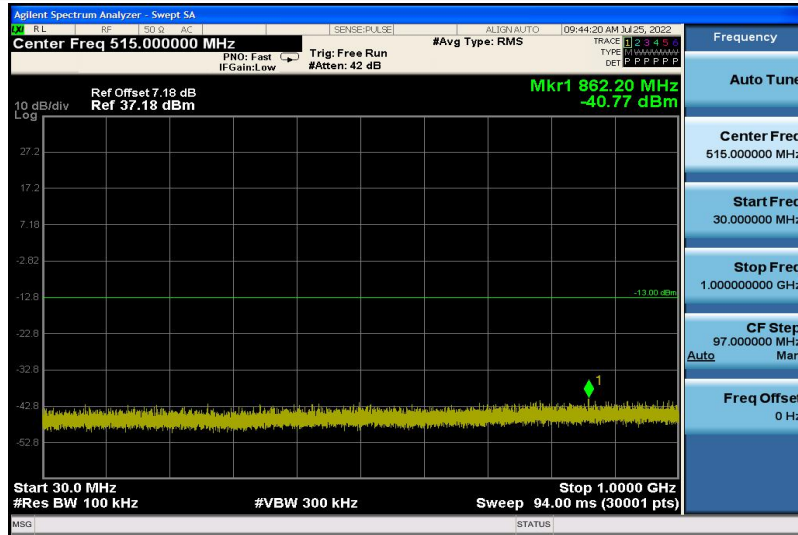
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EGPRS850-251-30~1000



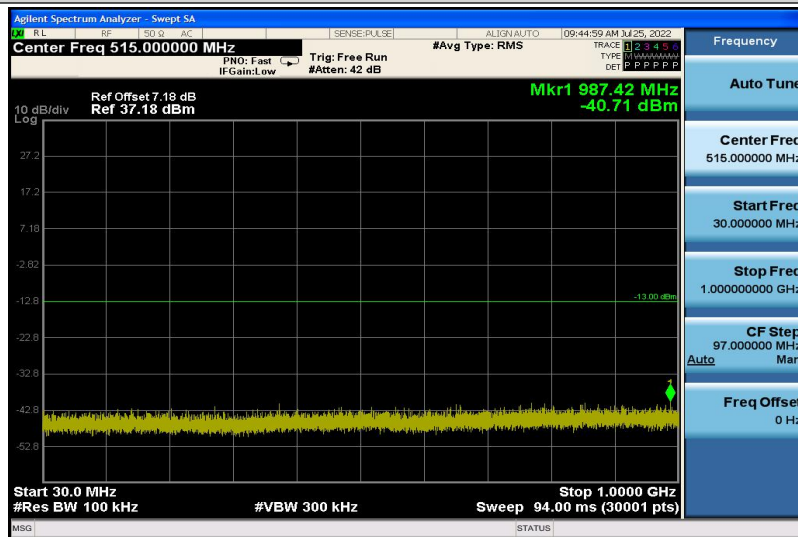
EGPRS850-251-1000~10000



GSM1900-512-30~1000



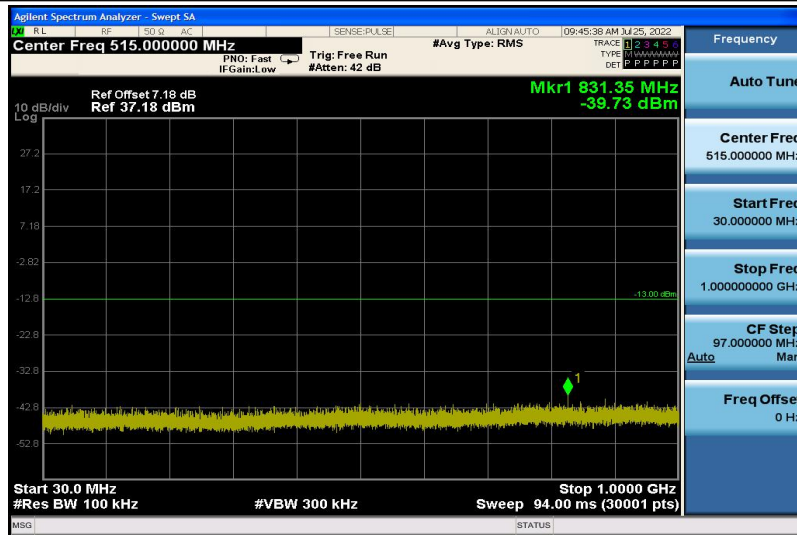
GSM1900-512-1000~20000



GSM1900-661-30~1000



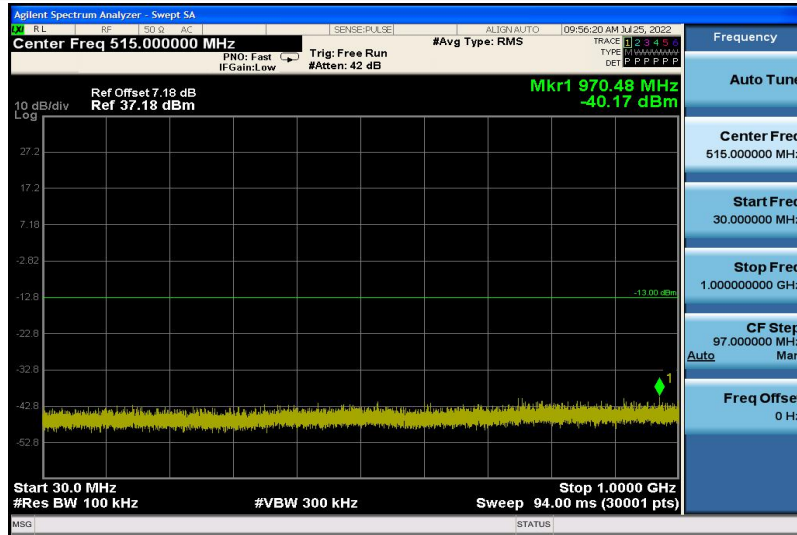
GSM1900-661-1000~20000



GSM1900-810-30~1000



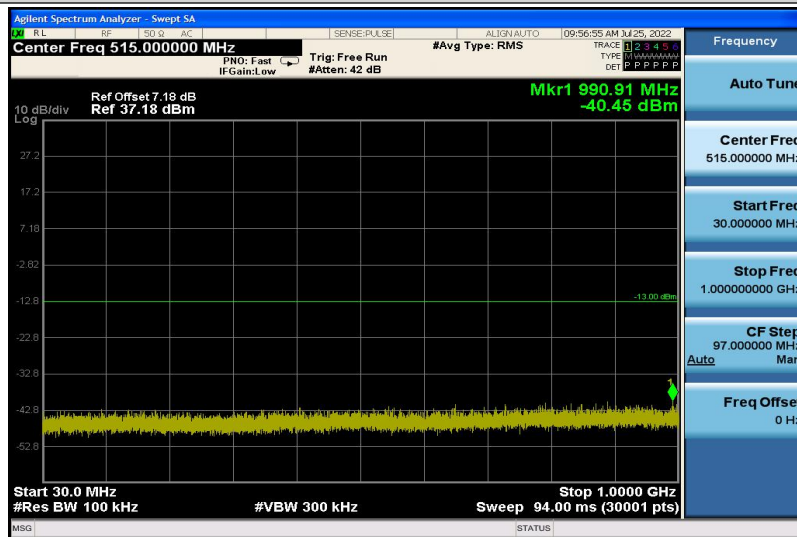
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GPRS1900-512-30~1000



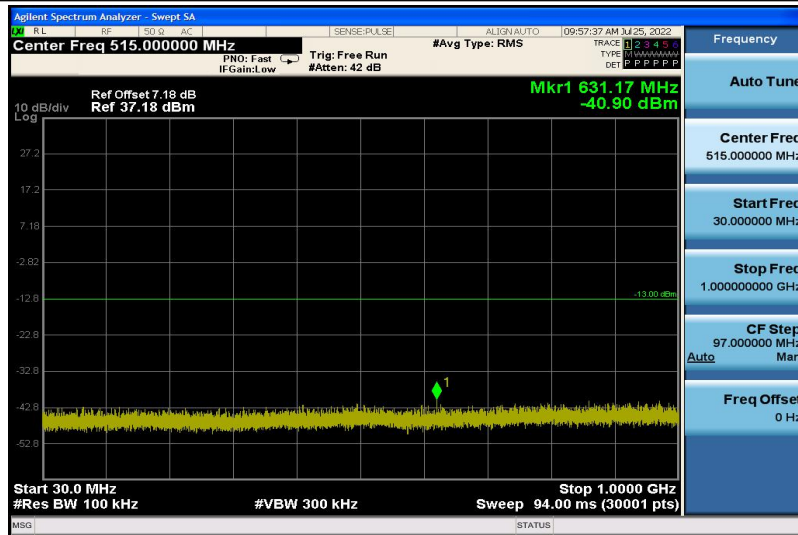
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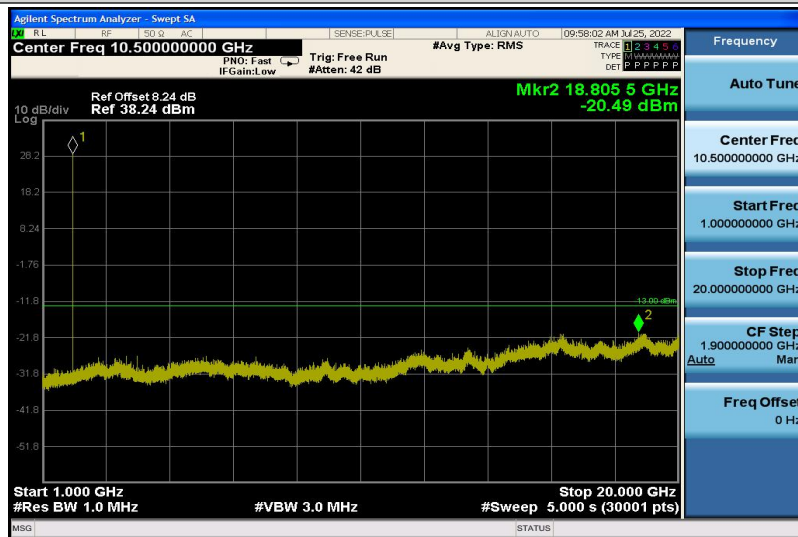
GPRS1900-661-30~1000



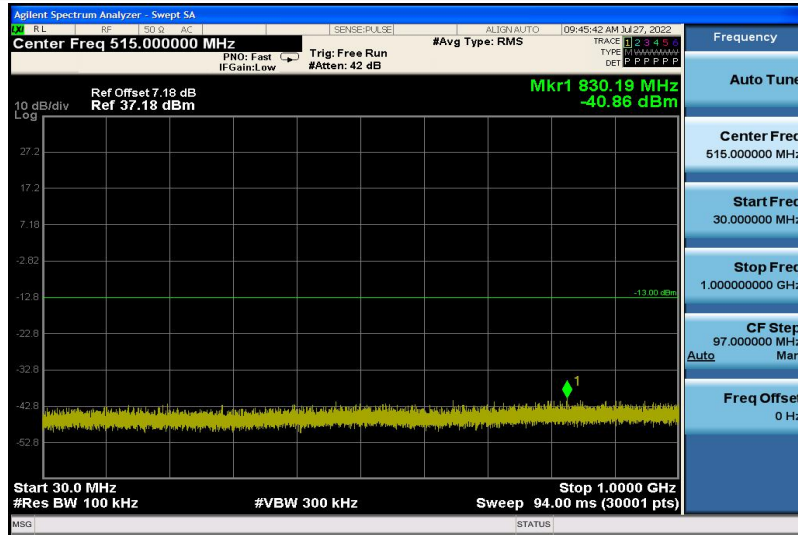
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GPRS1900-810-30~1000



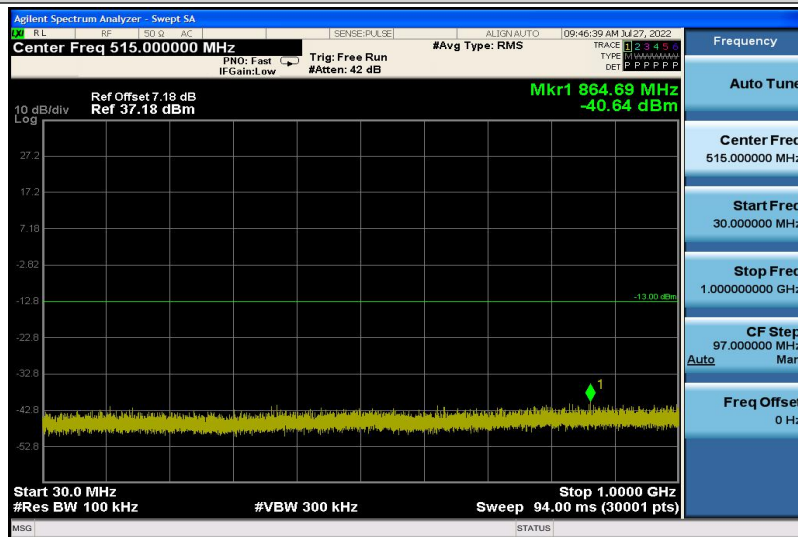
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EGPRS1900-512-30~1000



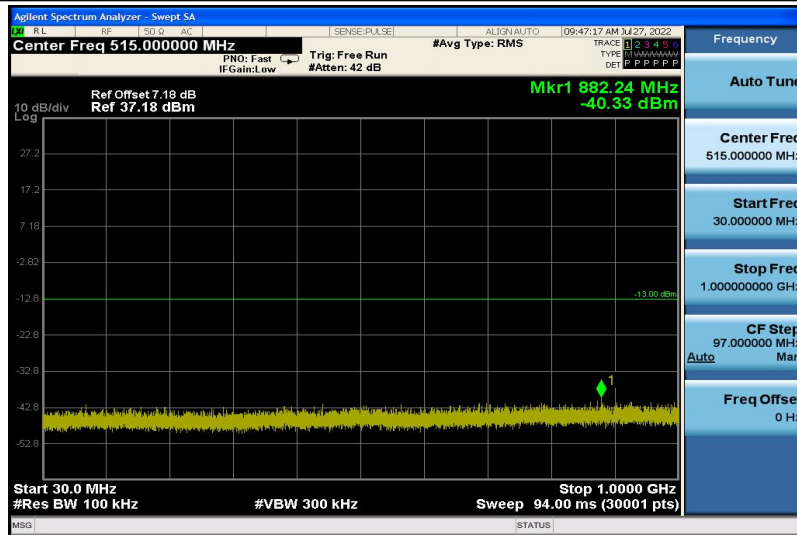
EGPRS1900-512-1000~20000



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 (dBm) | Antenna Gain (dBi) | ERP | | Limit (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 (dBm) | Antenna Gain (dBi) | EIRP | | Limit (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 -----