## Appendix N1

**Test Information:**

| | | | |
|---|---|---|---|
| **Sample No.:** | 30VS-1 | **Test Date:** | 2025-05-07 |
| **Test Site:** | RF | **Test Mode:** | Transmitting |
| **Tester:** | Usain Ou | **Test Result:** | Pass |

**Environmental Conditions:**

| | | | | | |
|---|---|---|---|---|---|
| **Temperature: (°C)** | 24.7 | **Relative Humidity: (%)** | 49 | **ATM Pressure: (kPa)** | 100.5 |

## Transmitter Conducted Output Power And ERP/EIRP

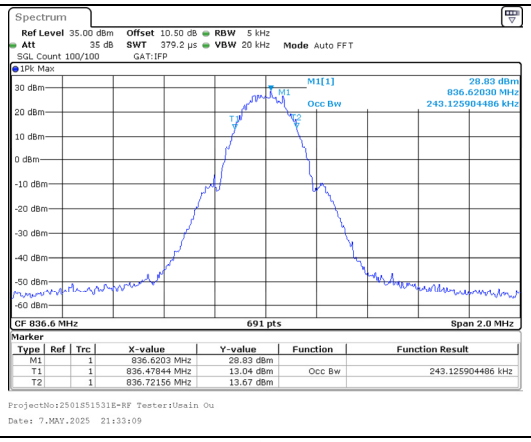
| Band | Channel | PCL | Freq (MHz) | Conducted Power(dBm) | ERP/EIRP (dBm) | ERP/EIRP(limit) (dBm) | Verdict |
|---|---|---|---|---|---|---|---|
| GSM 850 | 251 | 5 | 848.8 | 32.27 | 25.83 | 38.45 | PASS |
| GSM 850 | 190 | 5 | 836.6 | 32.29 | 25.85 | 38.45 | PASS |
| GSM 850 | 128 | 5 | 824.2 | 32.42 | 25.98 | 38.45 | PASS |
| PCS 1900 | 810 | 0 | 1909.8 | 28.53 | 28.47 | 33.01 | PASS |
| PCS 1900 | 661 | 0 | 1880.0 | 28.78 | 28.72 | 33.01 | PASS |
| PCS 1900 | 512 | 0 | 1850.2 | 28.83 | 28.77 | 33.01 | PASS |

## Peak to Average Ratio

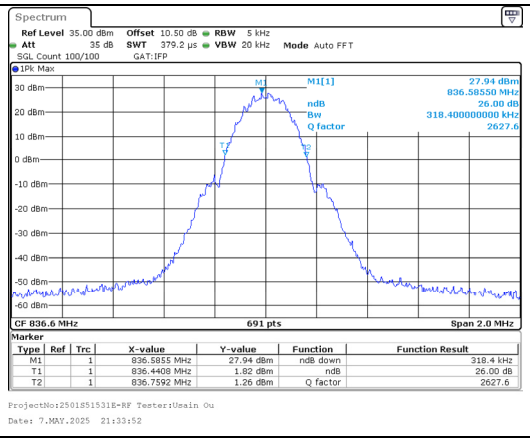
| Band | Channel | Freq (MHz) | Result (dB) | Limit (dB) | Verdict |
|---|---|---|---|---|---|
| GSM 850 | 251 | 848.8 | 2.38 | 13 | PASS |
| GSM 850 | 190 | 836.6 | 2.43 | 13 | PASS |
| GSM 850 | 128 | 824.2 | 2.46 | 13 | PASS |
| PCS 1900 | 810 | 1909.8 | 2.67 | 13 | PASS |
| PCS 1900 | 661 | 1880.0 | 2.42 | 13 | PASS |
| PCS 1900 | 512 | 1850.2 | 2.54 | 13 | PASS |

## Occupied Bandwidth

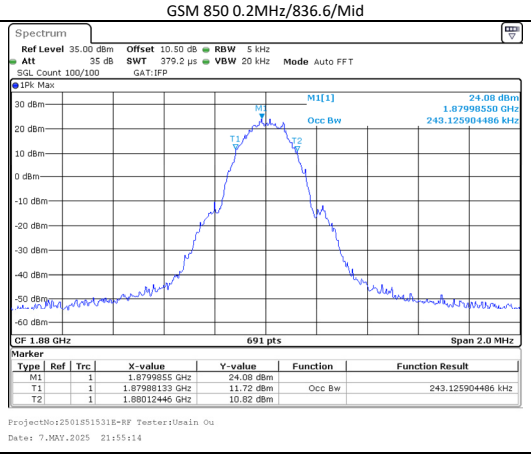
| Band | Channel | Freq (MHz) | OBW (MHz) | 26dB BW (MHz) | Verdict |
|---|---|---|---|---|---|
| GSM 850 | 190 | 836.6 | 0.24313 | 0.3184 | PASS |
| PCS 1900 | 661 | 1880.0 | 0.24313 | 0.3213 | PASS |



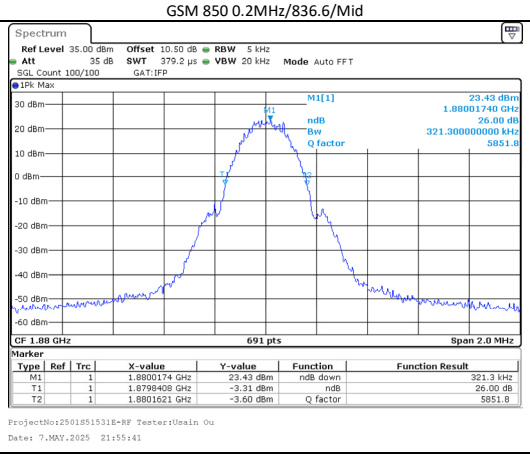

99%OBW
GSM 850 0.2MHz/836.6/Mid




26%OBW
GSM 850 0.2MHz/836.6/Mid



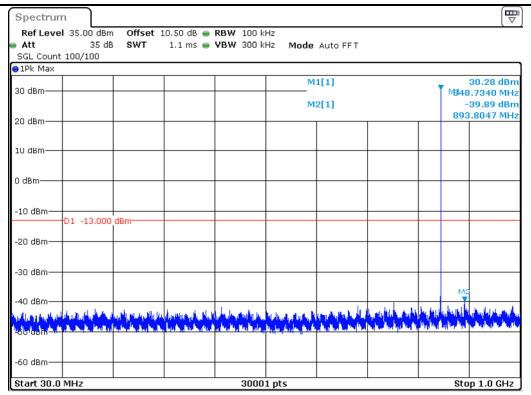

99%OBW
PCS 1900 0.2MHz/1880.0/Mid



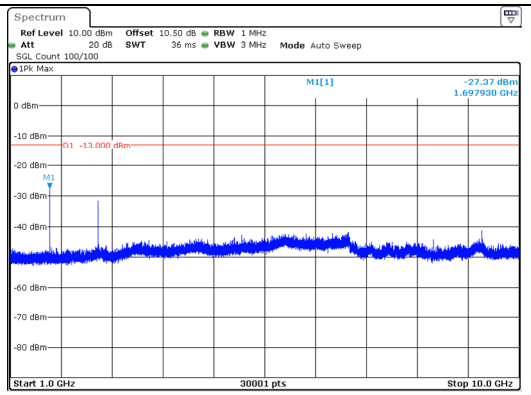

26%OBW
PCS 1900 0.2MHz/1880.0/Mid

## Conducted Spurious Emissions

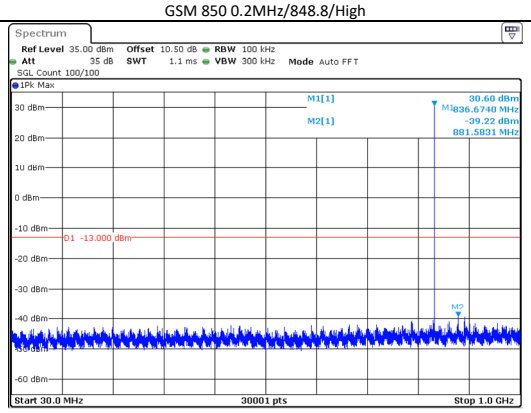
| Band | Channel | Freq (MHz) | StartFreq (MHz) | StopFreq (MHz) | Result (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|
| GSM 850 | 251 | 848.8 | 30.0 | 1000.0 | -39.89 | -13 | PASS |
| GSM 850 | 251 | 848.8 | 1000.0 | 10000.0 | -27.37 | -13 | PASS |
| GSM 850 | 190 | 836.6 | 30.0 | 1000.0 | -39.22 | -13 | PASS |
| GSM 850 | 190 | 836.6 | 1000.0 | 10000.0 | -26.58 | -13 | PASS |
| GSM 850 | 128 | 824.2 | 30.0 | 1000.0 | -39.83 | -13 | PASS |
| GSM 850 | 128 | 824.2 | 1000.0 | 10000.0 | -25.76 | -13 | PASS |
| PCS 1900 | 810 | 1909.8 | 30.0 | 1000.0 | -55.21 | -13 | PASS |
| PCS 1900 | 810 | 1909.8 | 1000.0 | 20000.0 | -26.73 | -13 | PASS |
| PCS 1900 | 661 | 1880.0 | 30.0 | 1000.0 | -55.35 | -13 | PASS |
| PCS 1900 | 661 | 1880.0 | 1000.0 | 20000.0 | -26.29 | -13 | PASS |
| PCS 1900 | 512 | 1850.2 | 30.0 | 1000.0 | -55.94 | -13 | PASS |
| PCS 1900 | 512 | 1850.2 | 1000.0 | 20000.0 | -26.69 | -13 | PASS |



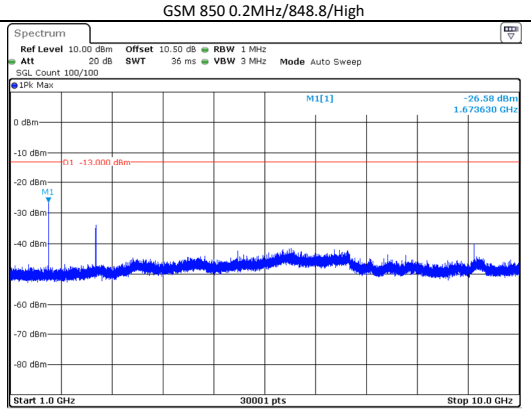

30.0MHz-1000.0MHz
GSM 850 0.2MHz/848.8/High



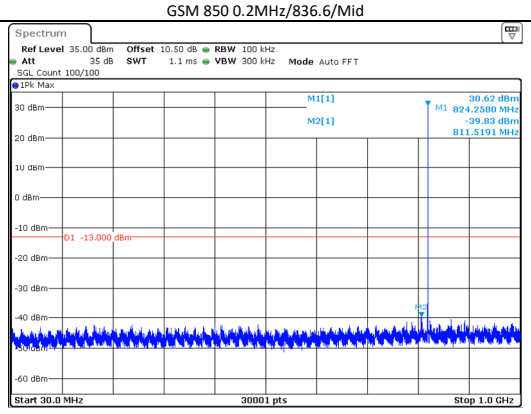

1000.0MHz-10000.0MHz
GSM 850 0.2MHz/848.8/High



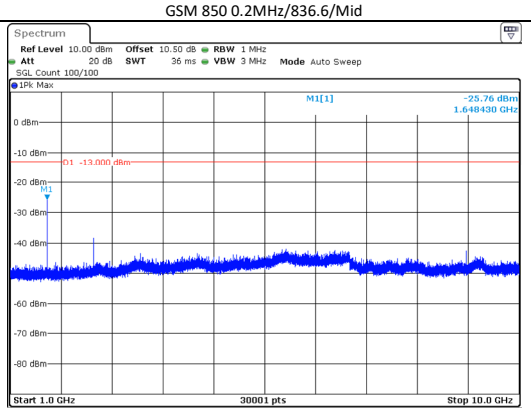

30.0MHz-1000.0MHz
GSM 850 0.2MHz/836.6/Mid



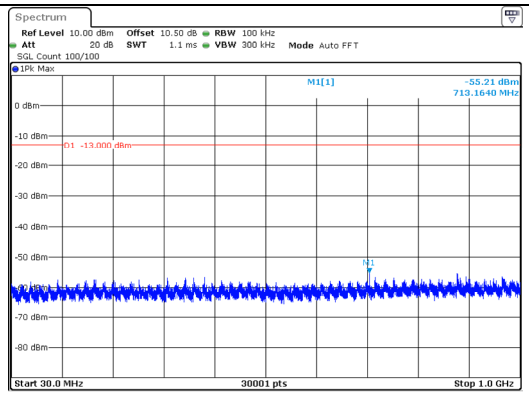

1000.0MHz-10000.0MHz
GSM 850 0.2MHz/836.6/Mid



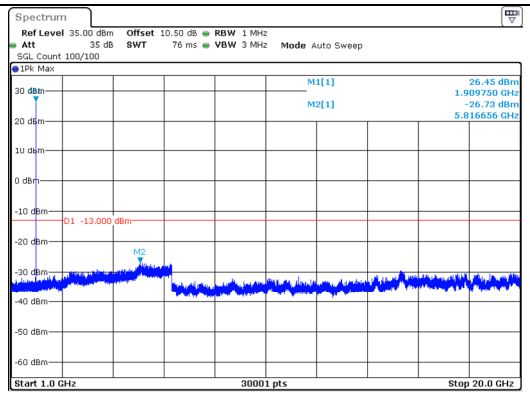

30.0MHz-1000.0MHz
GSM 850 0.2MHz/824.2/Low



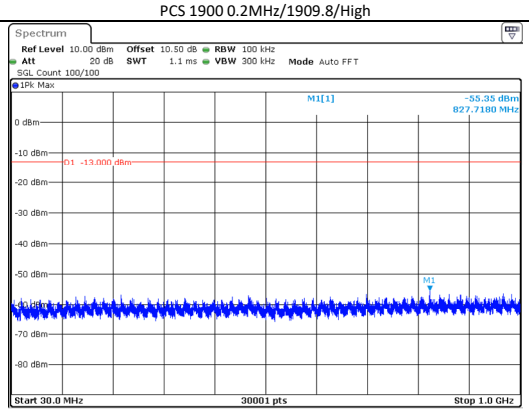

1000.0MHz-10000.0MHz
GSM 850 0.2MHz/824.2/Low



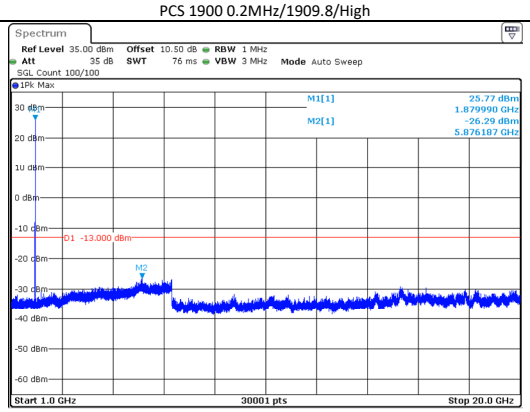

30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1909.8/High



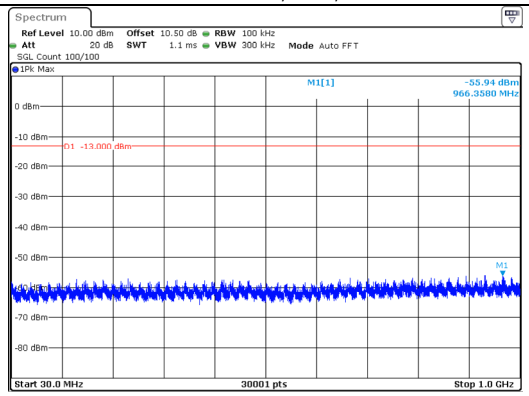

1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1909.8/High



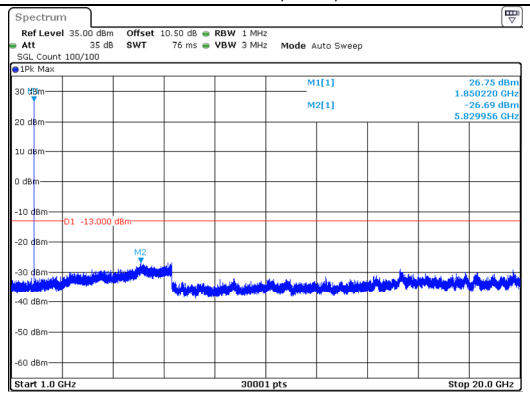

30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1880.0/Mid




1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1880.0/Mid

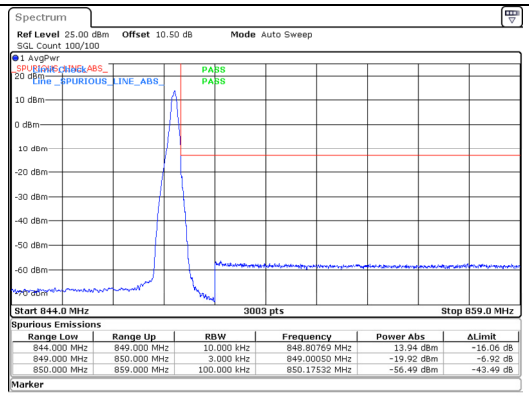



30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1850.2/Low

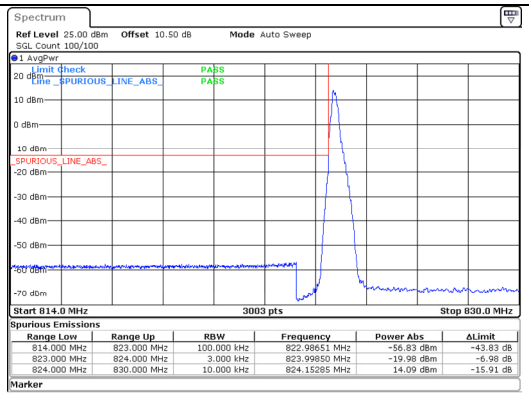



1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1850.2/Low

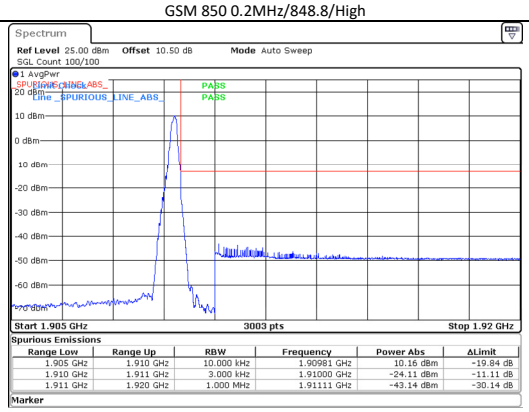
## Conducted Band Edge



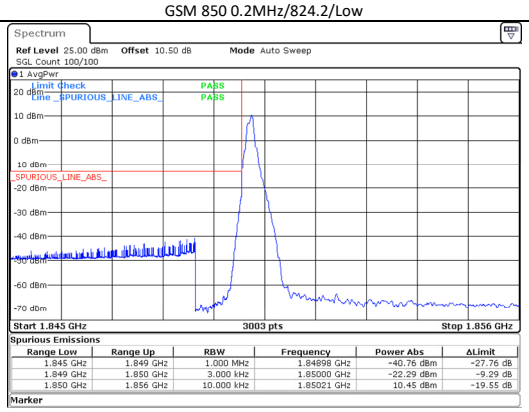

GSM 850 0.2MHz/848.8/High




GSM 850 0.2MHz/824.2/Low




PCS 1900 0.2MHz/1909.8/High




PCS 1900 0.2MHz/1850.2/Low

## Frequency Stability Error

| Band | Channel | Freq (MHz) | Deviation (Hz) | Deviation (ppm) | Limit(ppm) | Verdict | Environment |
|---|---|---|---|---|---|---|---|
| GSM 850 | 251 | 848.8 | -3.95 | -0.00465 | ±2.5 | PASS | 20℃/4.45V |
| GSM 850 | 251 | 848.8 | -6.17 | -0.00727 | ±2.5 | PASS | 20℃/3.25V |
| GSM 850 | 251 | 848.8 | 6.90 | 0.00813 | ±2.5 | PASS | 50℃/3.87V |
| GSM 850 | 251 | 848.8 | 1.65 | 0.00194 | ±2.5 | PASS | 40℃/3.87V |
| GSM 850 | 251 | 848.8 | -3.56 | -0.00419 | ±2.5 | PASS | 30℃/3.87V |
| GSM 850 | 251 | 848.8 | -2.09 | -0.00246 | ±2.5 | PASS | 20℃/3.87V |
| GSM 850 | 251 | 848.8 | 5.65 | 0.00666 | ±2.5 | PASS | 10℃/3.87V |
| GSM 850 | 251 | 848.8 | 0.45 | 0.00053 | ±2.5 | PASS | 0℃/3.87V |
| GSM 850 | 251 | 848.8 | 1.23 | 0.00145 | ±2.5 | PASS | -10℃/3.87V |
| GSM 850 | 251 | 848.8 | -1.15 | -0.00135 | ±2.5 | PASS | -20℃/3.87V |
| GSM 850 | 251 | 848.8 | -8.24 | -0.00971 | ±2.5 | PASS | -30℃/3.87V |
| GSM 850 | 190 | 836.6 | 1.94 | 0.00232 | ±2.5 | PASS | 20℃/4.45V |
| GSM 850 | 190 | 836.6 | -1.58 | -0.00189 | ±2.5 | PASS | 20℃/3.25V |
| GSM 850 | 190 | 836.6 | 0.95 | 0.00114 | ±2.5 | PASS | 50℃/3.87V |
| GSM 850 | 190 | 836.6 | -1.09 | -0.00130 | ±2.5 | PASS | 40℃/3.87V |
| GSM 850 | 190 | 836.6 | -3.34 | -0.00399 | ±2.5 | PASS | 30℃/3.87V |
| GSM 850 | 190 | 836.6 | -3.92 | -0.00469 | ±2.5 | PASS | 20℃/3.87V |
| GSM 850 | 190 | 836.6 | 7.37 | 0.00881 | ±2.5 | PASS | 10℃/3.87V |
| GSM 850 | 190 | 836.6 | 2.66 | 0.00318 | ±2.5 | PASS | 0℃/3.87V |
| GSM 850 | 190 | 836.6 | -0.04 | -0.00005 | ±2.5 | PASS | -10℃/3.87V |
| GSM 850 | 190 | 836.6 | -2.88 | -0.00344 | ±2.5 | PASS | -20℃/3.87V |
| GSM 850 | 190 | 836.6 | -4.35 | -0.00520 | ±2.5 | PASS | -30℃/3.87V |
| GSM 850 | 128 | 824.2 | 2.44 | 0.00296 | ±2.5 | PASS | 20℃/4.45V |
| GSM 850 | 128 | 824.2 | -2.97 | -0.00360 | ±2.5 | PASS | 20℃/3.25V |
| GSM 850 | 128 | 824.2 | -6.53 | -0.00792 | ±2.5 | PASS | 50℃/3.87V |
| GSM 850 | 128 | 824.2 | 1.66 | 0.00201 | ±2.5 | PASS | 40℃/3.87V |
| GSM 850 | 128 | 824.2 | -0.28 | -0.00034 | ±2.5 | PASS | 30℃/3.87V |
| GSM 850 | 128 | 824.2 | -1.96 | -0.00238 | ±2.5 | PASS | 20℃/3.87V |
| GSM 850 | 128 | 824.2 | 7.68 | 0.00932 | ±2.5 | PASS | 10℃/3.87V |
| GSM 850 | 128 | 824.2 | -0.65 | -0.00079 | ±2.5 | PASS | 0℃/3.87V |
| GSM 850 | 128 | 824.2 | -5.12 | -0.00621 | ±2.5 | PASS | -10℃/3.87V |
| GSM 850 | 128 | 824.2 | 6.99 | 0.00848 | ±2.5 | PASS | -20℃/3.87V |
| GSM 850 | 128 | 824.2 | 0.49 | 0.00059 | ±2.5 | PASS | -30℃/3.87V |

## Frequency Stability Range

| Band | Channel (Low/High) | Freq (MHz) | Lower Edge (MHz) (Result) | Limit (1850MHz) | Upper Edge (MHz) (Result) | Limit (1910MHz) | Environment |
|---|---|---|---|---|---|---|---|
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.058 | 1850.000 | 1909.945 | 1910.000 | 20℃/4.45V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.015 | 1850.000 | 1909.926 | 1910.000 | 20℃/3.25V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.060 | 1850.000 | 1909.937 | 1910.000 | 50℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.022 | 1850.000 | 1909.990 | 1910.000 | 40℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.012 | 1850.000 | 1909.917 | 1910.000 | 30℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.022 | 1850.000 | 1909.946 | 1910.000 | 20℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.048 | 1850.000 | 1909.975 | 1910.000 | 10℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.042 | 1850.000 | 1909.909 | 1910.000 | 0℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.051 | 1850.000 | 1909.993 | 1910.000 | -10℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.046 | 1850.000 | 1909.942 | 1910.000 | -20℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.012 | 1850.000 | 1909.951 | 1910.000 | -30℃/3.87V |

## Transmitter Conducted Output Power And ERP/EIRP GPRS

| Band | Channel | PCL | Freq (MHz) | Modulation | Slots | Conducted Power(dBm) | ERP/EIRP (dBm) | ERP/EIRP(limit) (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| GSM 850 | 251 | 3 | 848.8 | GMSK | 1 Tx | 32.28 | 25.84 | 38.45 | PASS |
| GSM 850 | 251 | 3 | 848.8 | GMSK | 2 Tx | 31.55 | 25.11 | 38.45 | PASS |
| GSM 850 | 251 | 3 | 848.8 | GMSK | 3 Tx | 29.79 | 23.35 | 38.45 | PASS |
| GSM 850 | 251 | 3 | 848.8 | GMSK | 4 Tx | 28.75 | 22.31 | 38.45 | PASS |
| GSM 850 | 190 | 3 | 836.6 | GMSK | 1 Tx | 32.24 | 25.80 | 38.45 | PASS |
| GSM 850 | 190 | 3 | 836.6 | GMSK | 2 Tx | 31.50 | 25.06 | 38.45 | PASS |
| GSM 850 | 190 | 3 | 836.6 | GMSK | 3 Tx | 29.78 | 23.34 | 38.45 | PASS |
| GSM 850 | 190 | 3 | 836.6 | GMSK | 4 Tx | 28.73 | 22.29 | 38.45 | PASS |
| GSM 850 | 128 | 3 | 824.2 | GMSK | 1 Tx | 32.36 | 25.92 | 38.45 | PASS |
| GSM 850 | 128 | 3 | 824.2 | GMSK | 2 Tx | 31.64 | 25.20 | 38.45 | PASS |
| GSM 850 | 128 | 3 | 824.2 | GMSK | 3 Tx | 29.91 | 23.47 | 38.45 | PASS |
| GSM 850 | 128 | 3 | 824.2 | GMSK | 4 Tx | 28.85 | 22.41 | 38.45 | PASS |
| PCS 1900 | 810 | 3 | 1909.8 | GMSK | 1 Tx | 28.52 | 28.46 | 33.01 | PASS |
| PCS 1900 | 810 | 3 | 1909.8 | GMSK | 2 Tx | 27.82 | 27.76 | 33.01 | PASS |
| PCS 1900 | 810 | 3 | 1909.8 | GMSK | 3 Tx | 26.09 | 26.03 | 33.01 | PASS |
| PCS 1900 | 810 | 3 | 1909.8 | GMSK | 4 Tx | 25.05 | 24.99 | 33.01 | PASS |
| PCS 1900 | 661 | 3 | 1880.0 | GMSK | 1 Tx | 28.73 | 28.67 | 33.01 | PASS |
| PCS 1900 | 661 | 3 | 1880.0 | GMSK | 2 Tx | 27.72 | 27.66 | 33.01 | PASS |
| PCS 1900 | 661 | 3 | 1880.0 | GMSK | 3 Tx | 26.25 | 26.19 | 33.01 | PASS |
| PCS 1900 | 661 | 3 | 1880.0 | GMSK | 4 Tx | 25.20 | 25.14 | 33.01 | PASS |
| PCS 1900 | 512 | 3 | 1850.2 | GMSK | 1 Tx | 28.74 | 28.68 | 33.01 | PASS |
| PCS 1900 | 512 | 3 | 1850.2 | GMSK | 2 Tx | 27.98 | 27.92 | 33.01 | PASS |
| PCS 1900 | 512 | 3 | 1850.2 | GMSK | 3 Tx | 26.19 | 26.13 | 33.01 | PASS |
| PCS 1900 | 512 | 3 | 1850.2 | GMSK | 4 Tx | 25.09 | 25.03 | 33.01 | PASS |

## Transmitter Conducted Output Power And ERP/EIRP EGPRS

| Band | Channel | PCL | Freq (MHz) | Modulation | Slots | Conducted Power(dBm) | ERP/EIRP (dBm) | ERP/EIRP(limit) (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| GSM 850 | 251 | 6 | 848.8 | 8PSK | 1 Tx | 26.81 | 20.37 | 38.45 | PASS |
| GSM 850 | 251 | 6 | 848.8 | 8PSK | 2 Tx | 25.68 | 19.24 | 38.45 | PASS |
| GSM 850 | 251 | 6 | 848.8 | 8PSK | 3 Tx | 23.13 | 16.69 | 38.45 | PASS |
| GSM 850 | 251 | 6 | 848.8 | 8PSK | 4 Tx | 22.02 | 15.58 | 38.45 | PASS |
| GSM 850 | 190 | 6 | 836.6 | 8PSK | 1 Tx | 26.99 | 20.55 | 38.45 | PASS |
| GSM 850 | 190 | 6 | 836.6 | 8PSK | 2 Tx | 25.54 | 19.10 | 38.45 | PASS |
| GSM 850 | 190 | 6 | 836.6 | 8PSK | 3 Tx | 23.37 | 16.93 | 38.45 | PASS |
| GSM 850 | 190 | 6 | 836.6 | 8PSK | 4 Tx | 22.05 | 15.61 | 38.45 | PASS |
| GSM 850 | 128 | 6 | 824.2 | 8PSK | 1 Tx | 26.89 | 20.45 | 38.45 | PASS |
| GSM 850 | 128 | 6 | 824.2 | 8PSK | 2 Tx | 25.61 | 19.17 | 38.45 | PASS |
| GSM 850 | 128 | 6 | 824.2 | 8PSK | 3 Tx | 23.58 | 17.14 | 38.45 | PASS |
| GSM 850 | 128 | 6 | 824.2 | 8PSK | 4 Tx | 22.42 | 15.98 | 38.45 | PASS |
| PCS 1900 | 810 | 5 | 1909.8 | 8PSK | 1 Tx | 25.13 | 25.07 | 33.01 | PASS |
| PCS 1900 | 810 | 5 | 1909.8 | 8PSK | 2 Tx | 23.38 | 23.32 | 33.01 | PASS |
| PCS 1900 | 810 | 5 | 1909.8 | 8PSK | 3 Tx | 21.37 | 21.31 | 33.01 | PASS |
| PCS 1900 | 810 | 5 | 1909.8 | 8PSK | 4 Tx | 19.66 | 19.60 | 33.01 | PASS |
| PCS 1900 | 661 | 5 | 1880.0 | 8PSK | 1 Tx | 25.20 | 25.14 | 33.01 | PASS |
| PCS 1900 | 661 | 5 | 1880.0 | 8PSK | 2 Tx | 23.77 | 23.71 | 33.01 | PASS |
| PCS 1900 | 661 | 5 | 1880.0 | 8PSK | 3 Tx | 21.55 | 21.49 | 33.01 | PASS |
| PCS 1900 | 661 | 5 | 1880.0 | 8PSK | 4 Tx | 20.05 | 19.99 | 33.01 | PASS |
| PCS 1900 | 512 | 5 | 1850.2 | 8PSK | 1 Tx | 25.73 | 25.67 | 33.01 | PASS |
| PCS 1900 | 512 | 5 | 1850.2 | 8PSK | 2 Tx | 23.60 | 23.54 | 33.01 | PASS |
| PCS 1900 | 512 | 5 | 1850.2 | 8PSK | 3 Tx | 21.47 | 21.41 | 33.01 | PASS |
| PCS 1900 | 512 | 5 | 1850.2 | 8PSK | 4 Tx | 20.46 | 20.40 | 33.01 | PASS |

## Peak to Average Ratio GPRS

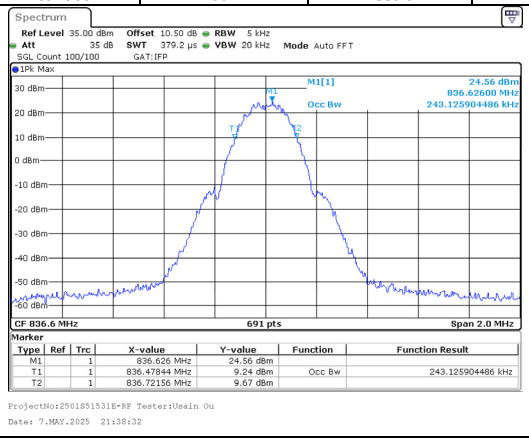
| Band | Channel | Freq (MHz) | Slots | Result (dB) | Limit (dB) | Verdict |
|---|---|---|---|---|---|---|
| GSM 850 | 251 | 848.8 | 1 Tx | 2.44 | 13 | PASS |
| GSM 850 | 190 | 836.6 | 1 Tx | 2.38 | 13 | PASS |
| GSM 850 | 128 | 824.2 | 1 Tx | 2.49 | 13 | PASS |
| PCS 1900 | 810 | 1909.8 | 1 Tx | 2.69 | 13 | PASS |
| PCS 1900 | 661 | 1880.0 | 1 Tx | 2.49 | 13 | PASS |
| PCS 1900 | 512 | 1850.2 | 1 Tx | 2.49 | 13 | PASS |

## Peak to Average Ratio EGPRS

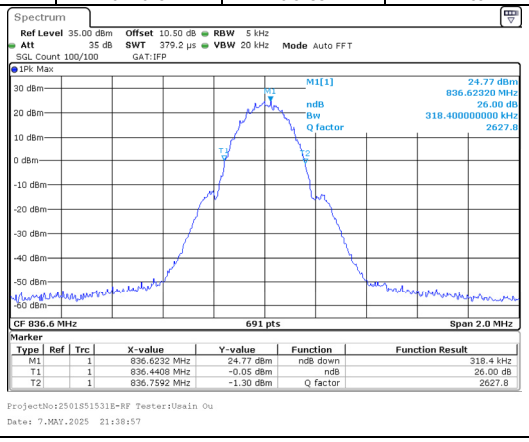
| Band | Channel | Freq (MHz) | Slots | Result (dB) | Limit (dB) | Verdict |
|---|---|---|---|---|---|---|
| GSM 850 | 251 | 848.8 | 1 Tx | 2.20 | 13 | PASS |
| GSM 850 | 190 | 836.6 | 1 Tx | 2.20 | 13 | PASS |
| GSM 850 | 128 | 824.2 | 1 Tx | 2.10 | 13 | PASS |
| PCS 1900 | 810 | 1909.8 | 1 Tx | 2.78 | 13 | PASS |
| PCS 1900 | 661 | 1880.0 | 1 Tx | 2.42 | 13 | PASS |
| PCS 1900 | 512 | 1850.2 | 1 Tx | 2.52 | 13 | PASS |

## Occupied Bandwidth EGPRS

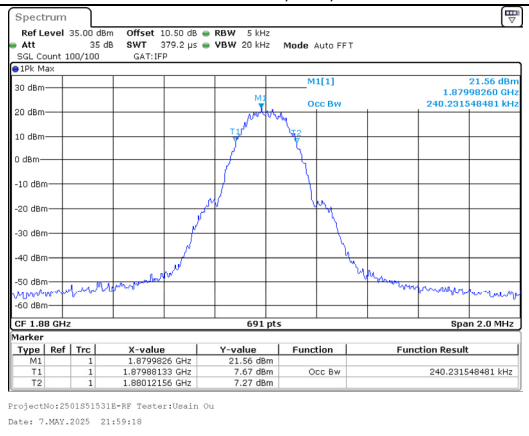
| Band | Channel | Freq (MHz) | Slots | OBW (MHz) | 26dB BW (MHz) | Verdict |
|---|---|---|---|---|---|---|
| GSM 850 | 190 | 836.6 | 1 Tx | 0.24313 | 0.3184 | PASS |
| PCS 1900 | 661 | 1880.0 | 1 Tx | 0.24023 | 0.3155 | PASS |



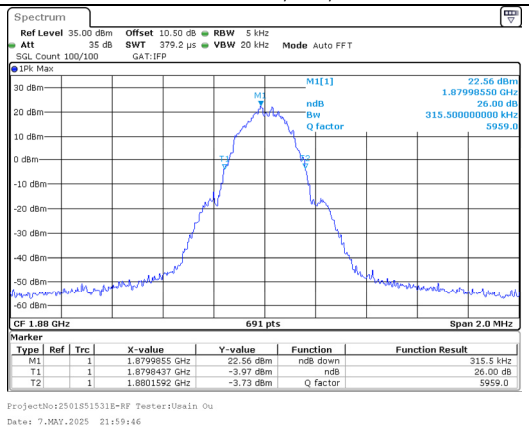

99%OBW
GSM 850 0.2MHz/836.6/Mid




26%OBW
GSM 850 0.2MHz/836.6/Mid



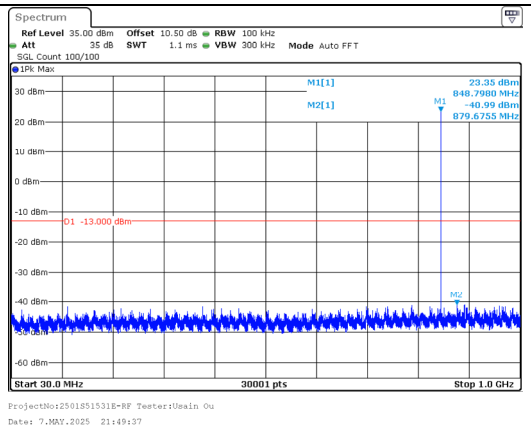

99%OBW
PCS 1900 0.2MHz/1880.0/Mid



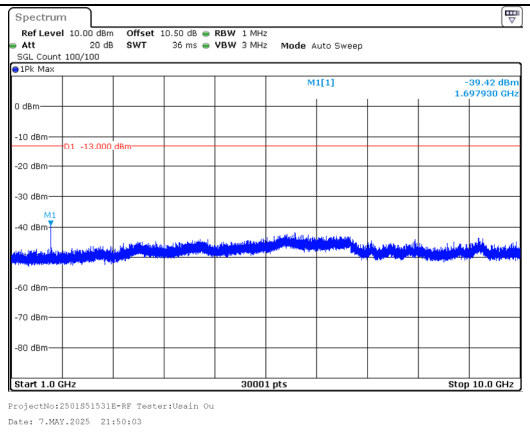

26%OBW
PCS 1900 0.2MHz/1880.0/Mid

## Conducted Spurious Emissions EGPRS

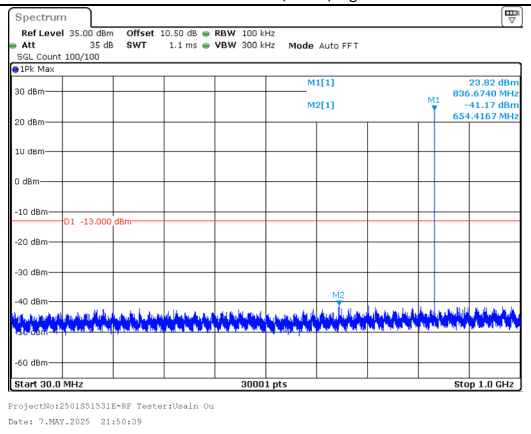
| Band | Channel | Freq (MHz) | StartFreq (MHz) | StopFreq (MHz) | Slots | Result (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| GSM 850 | 251 | 848.8 | 30.0 | 1000.0 | 1 Tx | -40.99 | -13 | PASS |
| GSM 850 | 251 | 848.8 | 1000.0 | 10000.0 | 1 Tx | -39.42 | -13 | PASS |
| GSM 850 | 190 | 836.6 | 30.0 | 1000.0 | 1 Tx | -41.17 | -13 | PASS |
| GSM 850 | 190 | 836.6 | 1000.0 | 10000.0 | 1 Tx | -39.25 | -13 | PASS |
| GSM 850 | 128 | 824.2 | 30.0 | 1000.0 | 1 Tx | -39.74 | -13 | PASS |
| GSM 850 | 128 | 824.2 | 1000.0 | 10000.0 | 1 Tx | -38.39 | -13 | PASS |
| PCS 1900 | 810 | 1909.8 | 30.0 | 1000.0 | 1 Tx | -55.7 | -13 | PASS |
| PCS 1900 | 810 | 1909.8 | 1000.0 | 20000.0 | 1 Tx | -25.57 | -13 | PASS |
| PCS 1900 | 661 | 1880.0 | 30.0 | 1000.0 | 1 Tx | -55.62 | -13 | PASS |
| PCS 1900 | 661 | 1880.0 | 1000.0 | 20000.0 | 1 Tx | -26.65 | -13 | PASS |
| PCS 1900 | 512 | 1850.2 | 30.0 | 1000.0 | 1 Tx | -56.4 | -13 | PASS |
| PCS 1900 | 512 | 1850.2 | 1000.0 | 20000.0 | 1 Tx | -26.07 | -13 | PASS |



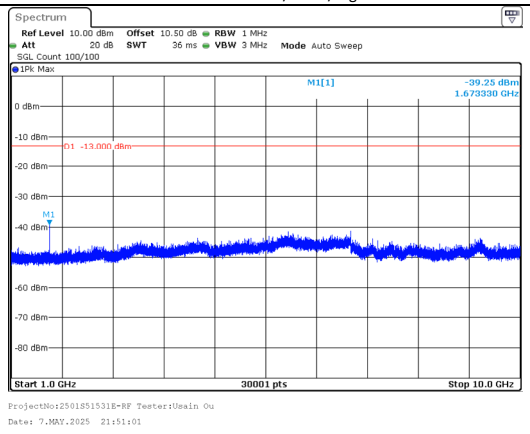

30.0MHz-1000.0MHz
GSM 850 0.2MHz/848.8/High



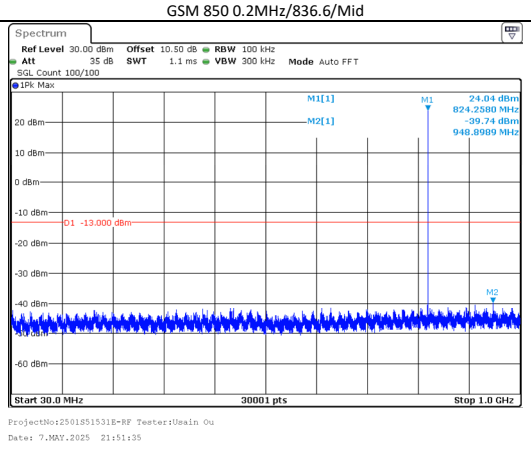

1000.0MHz-10000.0MHz
GSM 850 0.2MHz/848.8/High



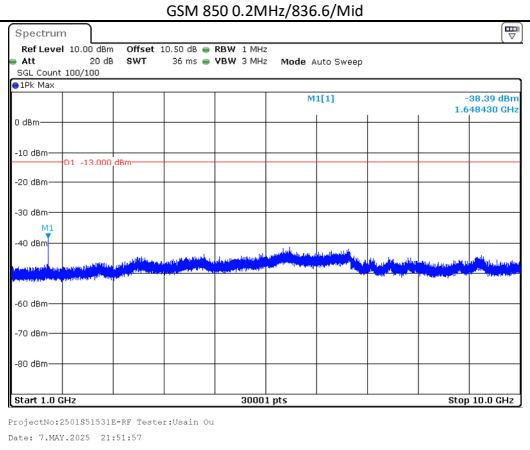

30.0MHz-1000.0MHz
GSM 850 0.2MHz/836.6/Mid



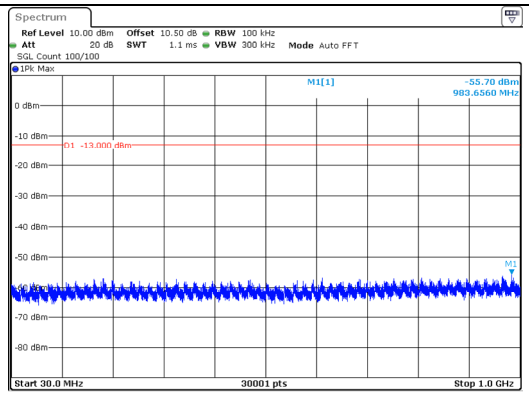

1000.0MHz-10000.0MHz
GSM 850 0.2MHz/836.6/Mid



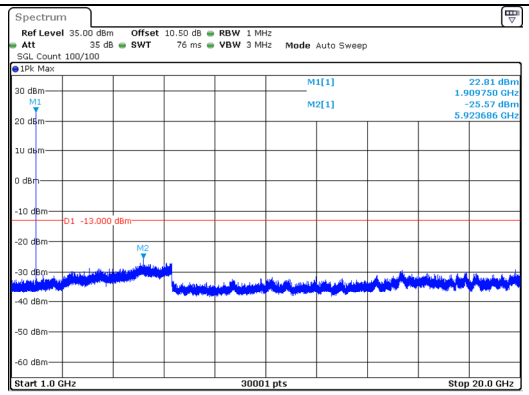

30.0MHz-1000.0MHz
GSM 850 0.2MHz/824.2/Low



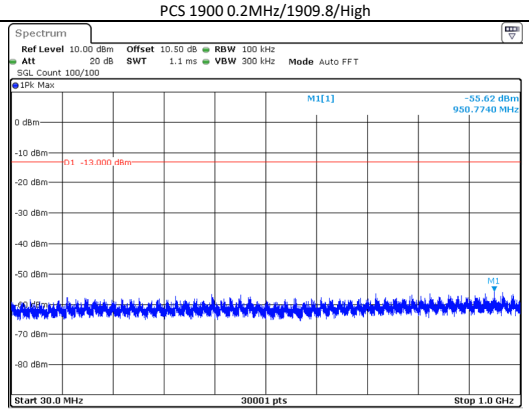

1000.0MHz-10000.0MHz
GSM 850 0.2MHz/824.2/Low



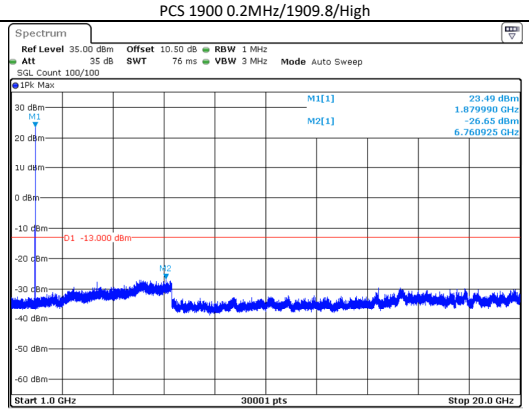

30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1909.8/High



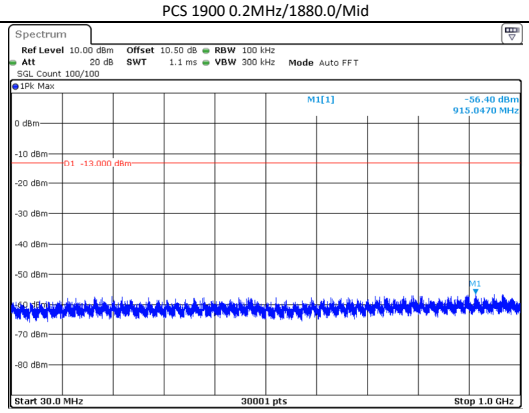

1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1909.8/High



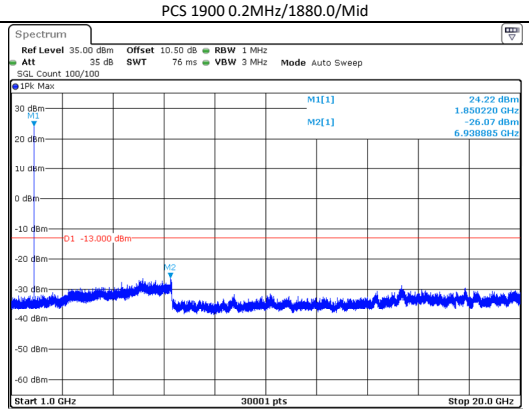

30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1880.0/Mid




1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1880.0/Mid

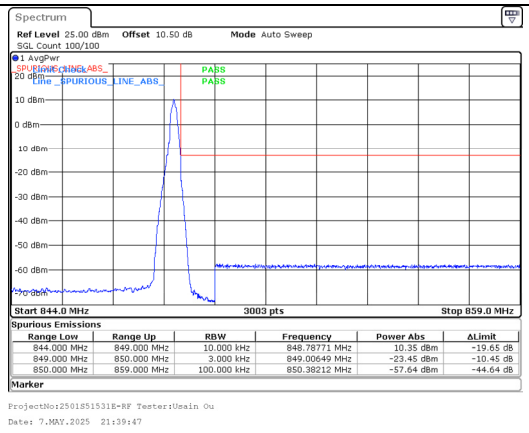



30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1850.2/Low

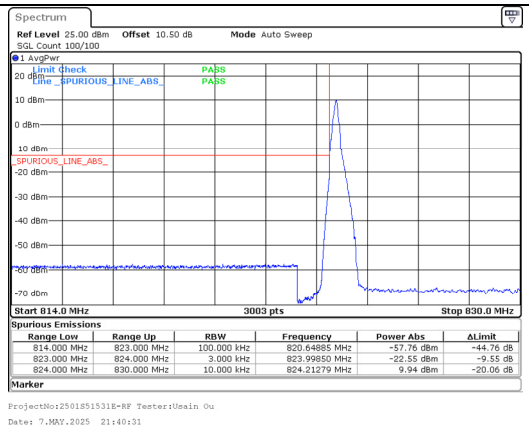



1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1850.2/Low

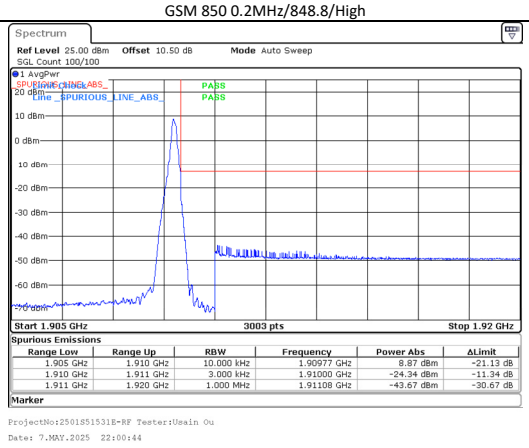
## Conducted Band Edge EGPRS



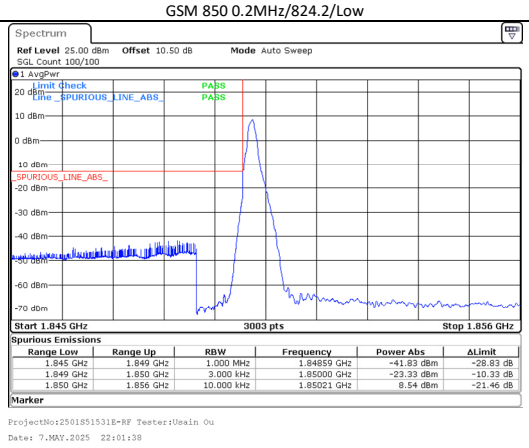

GSM 850 0.2MHz/848.8/High




GSM 850 0.2MHz/824.2/Low




PCS 1900 0.2MHz/1909.8/High




PCS 1900 0.2MHz/1850.2/Low

## Frequency Stability Error EGPRS

| Band | Channel | Freq (MHz) | Deviation (Hz) | Deviation (ppm) | Limit(ppm) | Verdict | Environment |
|---|---|---|---|---|---|---|---|
| GSM 850 | 251 | 848.8 | 3.42 | 0.00403 | ±2.5 | PASS | 20℃/4.45V |
| GSM 850 | 251 | 848.8 | 0.38 | 0.00045 | ±2.5 | PASS | 20℃/3.25V |
| GSM 850 | 251 | 848.8 | -5.75 | -0.00677 | ±2.5 | PASS | 50℃/3.87V |
| GSM 850 | 251 | 848.8 | 7.86 | 0.00926 | ±2.5 | PASS | 40℃/3.87V |
| GSM 850 | 251 | 848.8 | 7.36 | 0.00867 | ±2.5 | PASS | 30℃/3.87V |
| GSM 850 | 251 | 848.8 | -1.31 | -0.00154 | ±2.5 | PASS | 20℃/3.87V |
| GSM 850 | 251 | 848.8 | 3.81 | 0.00449 | ±2.5 | PASS | 10℃/3.87V |
| GSM 850 | 251 | 848.8 | 3.15 | 0.00371 | ±2.5 | PASS | 0℃/3.87V |
| GSM 850 | 251 | 848.8 | 0.37 | 0.00044 | ±2.5 | PASS | -10℃/3.87V |
| GSM 850 | 251 | 848.8 | -4.31 | -0.00508 | ±2.5 | PASS | -20℃/3.87V |
| GSM 850 | 251 | 848.8 | 1.93 | 0.00227 | ±2.5 | PASS | -30℃/3.87V |
| GSM 850 | 251 | 836.6 | -1.58 | -0.00189 | ±2.5 | PASS | 20℃/4.45V |
| GSM 850 | 190 | 836.6 | 3.53 | 0.00422 | ±2.5 | PASS | 20℃/3.25V |
| GSM 850 | 190 | 836.6 | 0.45 | 0.00054 | ±2.5 | PASS | 50℃/3.87V |
| GSM 850 | 190 | 836.6 | 6.44 | 0.00770 | ±2.5 | PASS | 40℃/3.87V |
| GSM 850 | 190 | 836.6 | -1.04 | -0.00124 | ±2.5 | PASS | 30℃/3.87V |
| GSM 850 | 190 | 836.6 | -0.92 | -0.00110 | ±2.5 | PASS | 20℃/3.87V |
| GSM 850 | 190 | 836.6 | 5.96 | 0.00712 | ±2.5 | PASS | 10℃/3.87V |
| GSM 850 | 190 | 836.6 | 6.54 | 0.00782 | ±2.5 | PASS | 0℃/3.87V |
| GSM 850 | 190 | 836.6 | -1.43 | -0.00171 | ±2.5 | PASS | -10℃/3.87V |
| GSM 850 | 190 | 836.6 | -2.12 | -0.00253 | ±2.5 | PASS | -20℃/3.87V |
| GSM 850 | 190 | 836.6 | 1.55 | 0.00185 | ±2.5 | PASS | -30℃/3.87V |
| GSM 850 | 190 | 824.2 | -2.55 | -0.00309 | ±2.5 | PASS | 20℃/4.45V |
| GSM 850 | 190 | 824.2 | 7.28 | 0.00883 | ±2.5 | PASS | 20℃/3.25V |
| GSM 850 | 128 | 824.2 | -8.29 | -0.01006 | ±2.5 | PASS | 50℃/3.87V |
| GSM 850 | 128 | 824.2 | -1.15 | -0.00140 | ±2.5 | PASS | 40℃/3.87V |
| GSM 850 | 128 | 824.2 | -3.12 | -0.00379 | ±2.5 | PASS | 30℃/3.87V |
| GSM 850 | 128 | 824.2 | -5.58 | -0.00677 | ±2.5 | PASS | 20℃/3.87V |
| GSM 850 | 128 | 824.2 | 2.01 | 0.00244 | ±2.5 | PASS | 10℃/3.87V |
| GSM 850 | 128 | 824.2 | 4.00 | 0.00485 | ±2.5 | PASS | 0℃/3.87V |
| GSM 850 | 128 | 824.2 | 1.57 | 0.00190 | ±2.5 | PASS | -10℃/3.87V |
| GSM 850 | 128 | 824.2 | -6.58 | -0.00798 | ±2.5 | PASS | -20℃/3.87V |
| GSM 850 | 128 | 824.2 | 2.04 | 0.00248 | ±2.5 | PASS | -30℃/3.87V |

## Frequency Stability Range EGPRS

| Band | Channel (Low/High) | Freq (MHz) | Lower Edge (MHz) (Result) | Limit (1850MHz) | Upper Edge (MHz) (Result) | Limit (1910MHz) | Environment |
|---|---|---|---|---|---|---|---|
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.039 | 1850.000 | 1909.937 | 1910.000 | 20℃/4.45V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.097 | 1850.000 | 1909.920 | 1910.000 | 20℃/3.25V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.052 | 1850.000 | 1909.915 | 1910.000 | 50℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.078 | 1850.000 | 1909.981 | 1910.000 | 40℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.084 | 1850.000 | 1909.946 | 1910.000 | 30℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.061 | 1850.000 | 1909.911 | 1910.000 | 20℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.096 | 1850.000 | 1909.905 | 1910.000 | 10℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.074 | 1850.000 | 1909.980 | 1910.000 | 0℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.033 | 1850.000 | 1909.979 | 1910.000 | -10℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.008 | 1850.000 | 1909.971 | 1910.000 | -20℃/3.87V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.057 | 1850.000 | 1909.972 | 1910.000 | -30℃/3.87V |