# Appendix A

## Transmitter Conducted Output Power And ERP/EIRP

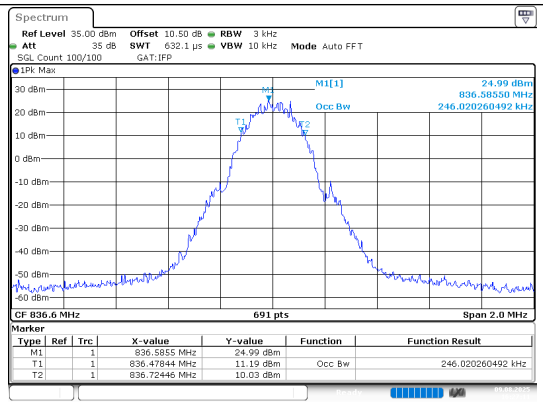
| Band | Channel | PCL | Freq (MHz) | Conducted Power(dBm) | ERP/EIRP (dBm) | ERP/EIRP(limit) (dBm) | Verdict |
|---|---|---|---|---|---|---|---|
| GSM 850 | 251 | 5 | 848.8 | 32.52 | 26.11 | 38.45 | PASS |
| GSM 850 | 190 | 5 | 836.6 | 32.73 | 26.32 | 38.45 | PASS |
| GSM 850 | 128 | 5 | 824.2 | 32.73 | 26.32 | 38.45 | PASS |
| PCS 1900 | 810 | 0 | 1909.8 | 28.57 | 25.24 | 33 | PASS |
| PCS 1900 | 661 | 0 | 1880.0 | 28.71 | 25.38 | 33 | PASS |
| PCS 1900 | 512 | 0 | 1850.2 | 29.34 | 26.01 | 33 | PASS |

## Peak to Average Ratio

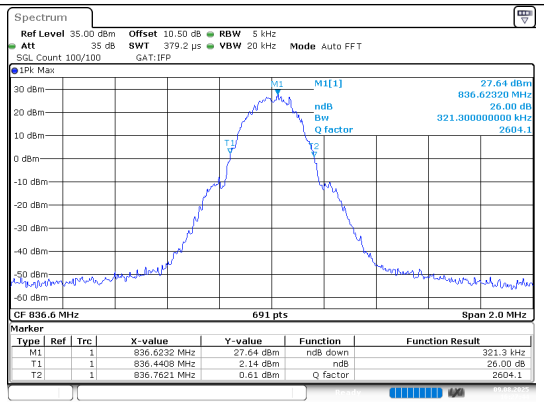
| Band | Channel | Freq (MHz) | Result (dB) | Limit (dB) | Verdict |
|---|---|---|---|---|---|
| GSM 850 | 251 | 848.8 | 2.48 | 13 | PASS |
| GSM 850 | 190 | 836.6 | 2.48 | 13 | PASS |
| GSM 850 | 128 | 824.2 | 2.42 | 13 | PASS |
| PCS 1900 | 810 | 1909.8 | 2.51 | 13 | PASS |
| PCS 1900 | 661 | 1880.0 | 2.42 | 13 | PASS |
| PCS 1900 | 512 | 1850.2 | 2.48 | 13 | PASS |

## Occupied Bandwidth

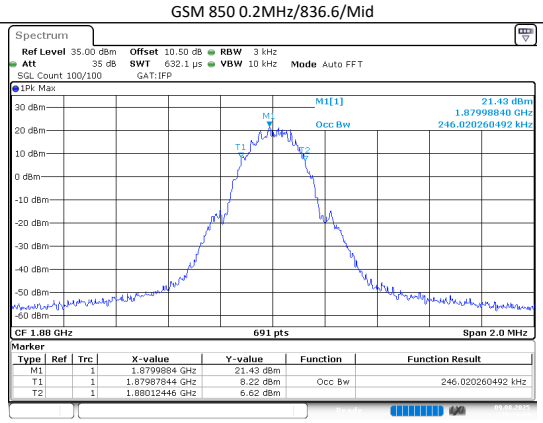
| Band | Channel | Freq (MHz) | OBW (MHz) | 26dB BW (MHz) | Verdict |
|---|---|---|---|---|---|
| GSM 850 | 190 | 836.6 | 0.24602 | 0.3213 | PASS |
| PCS 1900 | 661 | 1880.0 | 0.24602 | 0.3155 | PASS |



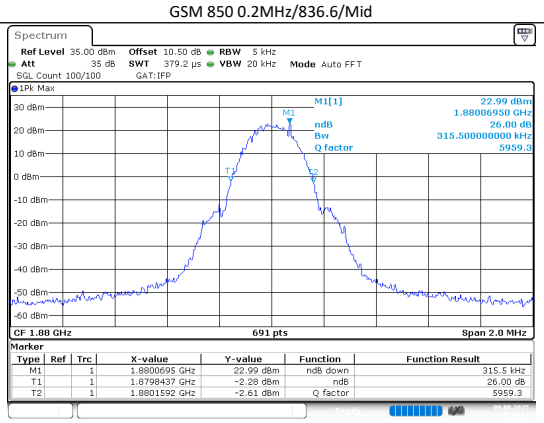

99%OBW
GSM 850 0.2MHz/836.6/Mid




26%OBW
GSM 850 0.2MHz/836.6/Mid

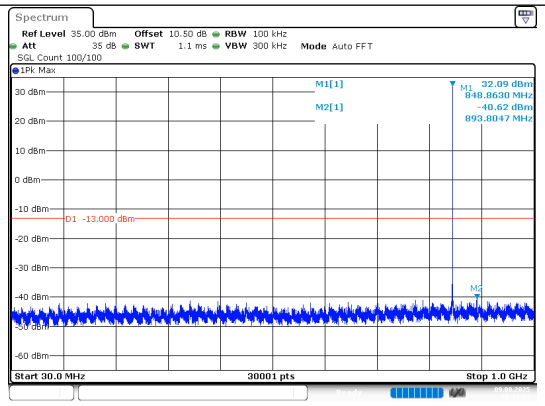



99%OBW
PCS 1900 0.2MHz/1880.0/Mid

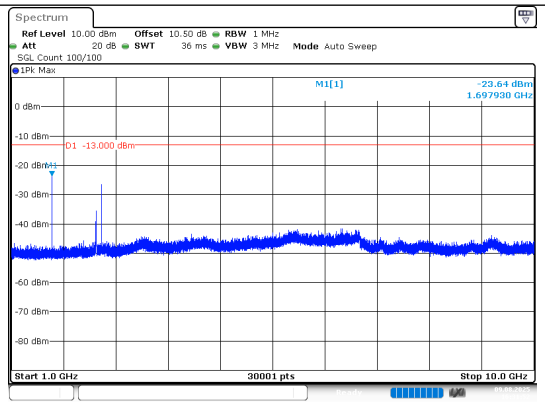



26%OBW
PCS 1900 0.2MHz/1880.0/Mid

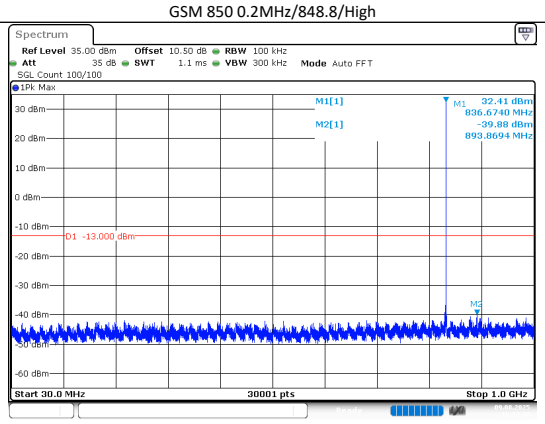
## Conducted Spurious Emissions



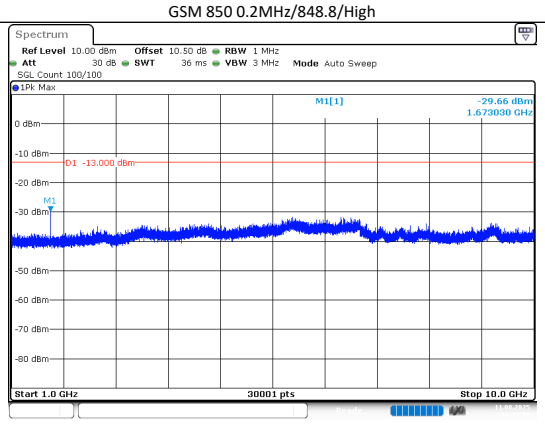

30.0MHz-1000.0MHz
GSM 850 0.2MHz/848.8/High



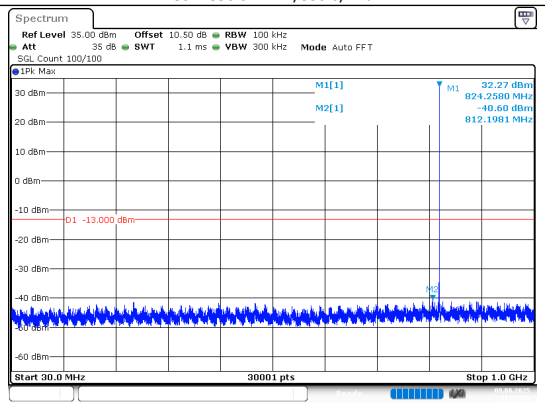

1000.0MHz-10000.0MHz
GSM 850 0.2MHz/848.8/High



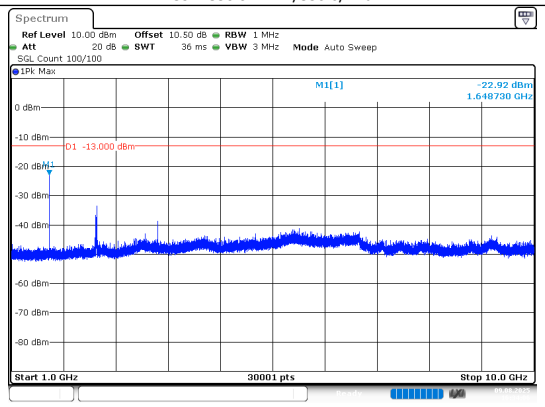

30.0MHz-1000.0MHz
GSM 850 0.2MHz/836.6/Mid



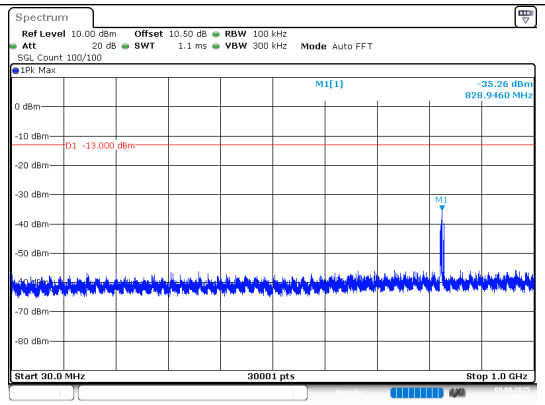

1000.0MHz-10000.0MHz
GSM 850 0.2MHz/836.6/Mid



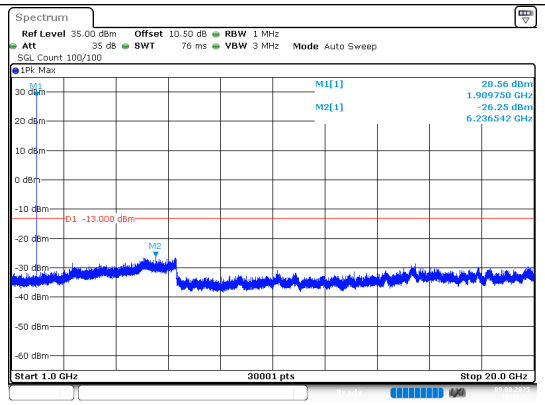

30.0MHz-1000.0MHz
GSM 850 0.2MHz/824.2/Low



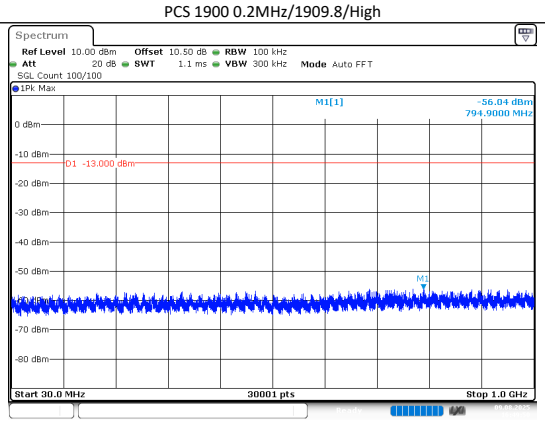

1000.0MHz-10000.0MHz
GSM 850 0.2MHz/824.2/Low



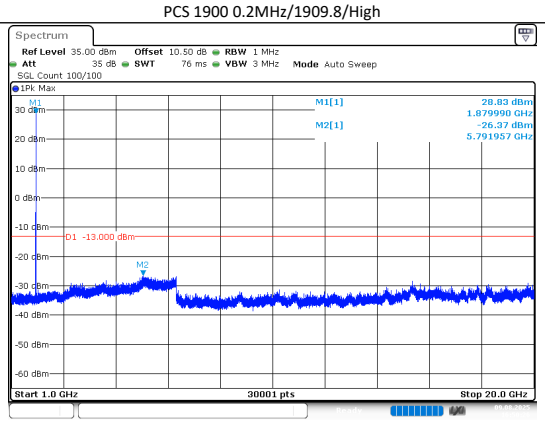

30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1909.8/High



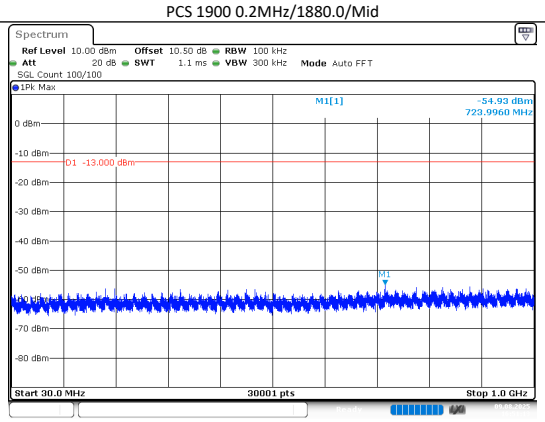

1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1909.8/High



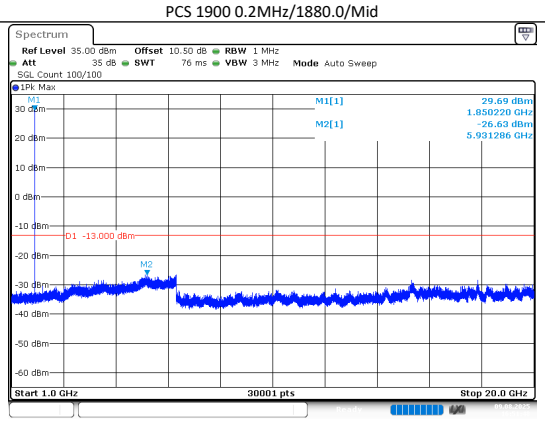

30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1880.0/Mid




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



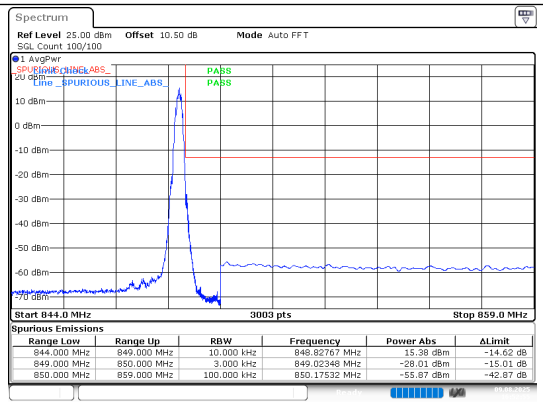

30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1850.2/Low



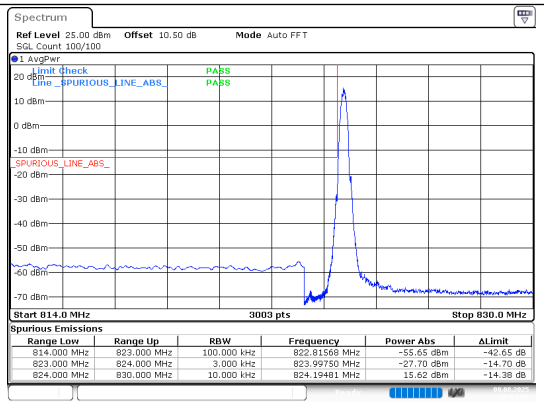

1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1850.2/Low

## Conducted Band Edge

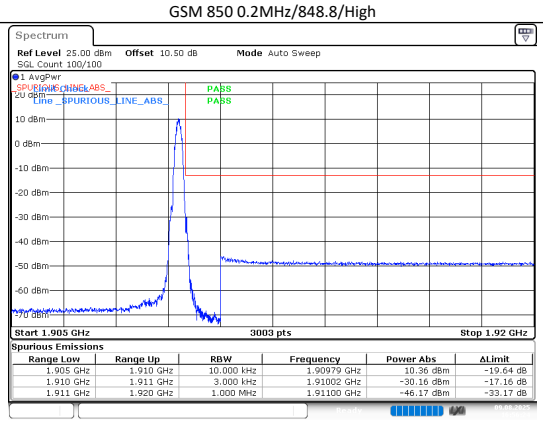
| Band | Channel | Freq (MHz) | Result | Verdict |
|---|---|---|---|---|
| GSM 850 | 251 | 848.8 | see graph | PASS |
| GSM 850 | 128 | 824.2 | see graph | PASS |
| PCS 1900 | 810 | 1909.8 | see graph | PASS |
| PCS 1900 | 512 | 1850.2 | see graph | PASS |



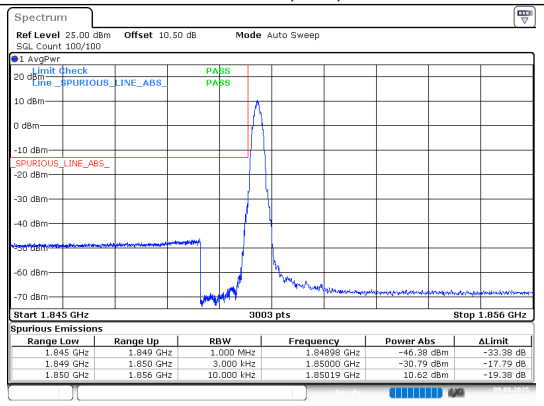

GSM 850 0.2MHz/848.8/High




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 | -0.89 | -0.00105 | ±2.5 | PASS | 20℃/4.43V |
| GSM 850 | 251 | 848.8 | 2.84 | 0.00335 | ±2.5 | PASS | 20℃/3.6V |
| GSM 850 | 251 | 848.8 | -0.02 | -0.00002 | ±2.5 | PASS | 50℃/3.86V |
| GSM 850 | 251 | 848.8 | 0.70 | 0.00083 | ±2.5 | PASS | 40℃/3.86V |
| GSM 850 | 251 | 848.8 | -2.96 | -0.00349 | ±2.5 | PASS | 30℃/3.86V |
| GSM 850 | 251 | 848.8 | -6.61 | -0.00779 | ±2.5 | PASS | 20℃/3.86V |
| GSM 850 | 251 | 848.8 | 2.93 | 0.00345 | ±2.5 | PASS | 10℃/3.86V |
| GSM 850 | 251 | 848.8 | -2.22 | -0.00262 | ±2.5 | PASS | 0℃/3.86V |
| GSM 850 | 251 | 848.8 | -2.91 | -0.00343 | ±2.5 | PASS | -10℃/3.86V |
| GSM 850 | 251 | 848.8 | -2.10 | -0.00247 | ±2.5 | PASS | -20℃/3.86V |
| GSM 850 | 251 | 848.8 | -0.49 | -0.00058 | ±2.5 | PASS | -30℃/3.86V |
| GSM 850 | 190 | 836.6 | 3.12 | 0.00373 | ±2.5 | PASS | 20℃/4.43V |
| GSM 850 | 190 | 836.6 | 1.48 | 0.00177 | ±2.5 | PASS | 20℃/3.6V |
| GSM 850 | 190 | 836.6 | 4.54 | 0.00543 | ±2.5 | PASS | 50℃/3.86V |
| GSM 850 | 190 | 836.6 | -0.68 | -0.00081 | ±2.5 | PASS | 40℃/3.86V |
| GSM 850 | 190 | 836.6 | 0.04 | 0.00005 | ±2.5 | PASS | 30℃/3.86V |
| GSM 850 | 190 | 836.6 | 3.73 | 0.00446 | ±2.5 | PASS | 20℃/3.86V |
| GSM 850 | 190 | 836.6 | 2.75 | 0.00329 | ±2.5 | PASS | 10℃/3.86V |
| GSM 850 | 190 | 836.6 | 2.55 | 0.00305 | ±2.5 | PASS | 0℃/3.86V |
| GSM 850 | 190 | 836.6 | 4.88 | 0.00583 | ±2.5 | PASS | -10℃/3.86V |
| GSM 850 | 190 | 836.6 | -0.05 | -0.00006 | ±2.5 | PASS | -20℃/3.86V |
| GSM 850 | 190 | 836.6 | 2.47 | 0.00295 | ±2.5 | PASS | -30℃/3.86V |
| GSM 850 | 128 | 824.2 | 6.16 | 0.00747 | ±2.5 | PASS | 20℃/4.43V |
| GSM 850 | 128 | 824.2 | -6.08 | -0.00738 | ±2.5 | PASS | 20℃/3.6V |
| GSM 850 | 128 | 824.2 | 2.48 | 0.00301 | ±2.5 | PASS | 50℃/3.86V |
| GSM 850 | 128 | 824.2 | -3.44 | -0.00417 | ±2.5 | PASS | 40℃/3.86V |
| GSM 850 | 128 | 824.2 | 1.90 | 0.00231 | ±2.5 | PASS | 30℃/3.86V |
| GSM 850 | 128 | 824.2 | 1.34 | 0.00163 | ±2.5 | PASS | 20℃/3.86V |
| GSM 850 | 128 | 824.2 | -0.69 | -0.00084 | ±2.5 | PASS | 10℃/3.86V |
| GSM 850 | 128 | 824.2 | 0.74 | 0.00090 | ±2.5 | PASS | 0℃/3.86V |
| GSM 850 | 128 | 824.2 | -2.21 | -0.00268 | ±2.5 | PASS | -10℃/3.86V |
| GSM 850 | 128 | 824.2 | -4.55 | -0.00552 | ±2.5 | PASS | -20℃/3.86V |
| GSM 850 | 128 | 824.2 | 0.94 | 0.00114 | ±2.5 | PASS | -30℃/3.86V |

## 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 | 1850.023 | 1850.000 | 1909.996 | 1910.000 | 20℃/4.43V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.003 | 1850.000 | 1909.957 | 1910.000 | 20℃/3.6V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.007 | 1850.000 | 1909.962 | 1910.000 | 50℃/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.023 | 1850.000 | 1909.983 | 1910.000 | 40℃/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.024 | 1850.000 | 1909.970 | 1910.000 | 30℃/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.018 | 1850.000 | 1909.984 | 1910.000 | 20℃/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.030 | 1850.000 | 1909.951 | 1910.000 | 10℃/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.011 | 1850.000 | 1909.984 | 1910.000 | 0℃/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.046 | 1850.000 | 1909.988 | 1910.000 | -10℃/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.015 | 1850.000 | 1909.997 | 1910.000 | -20℃/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.036 | 1850.000 | 1909.972 | 1910.000 | -30℃/3.86V |

## Transmitter Conducted Output Power And ERP/EIRP GPRS

| Band | Channel | Gamma | Freq (MHz) | Modulation | Slots | Conducted Power(dBm) | ERP/EIRP (dBm) | ERP/EIRP(limit) (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| GSM 850 | 251 | 3 | 848.8 | GMSK | 1 Tx | 32.57 | 26.16 | 38.45 | PASS |
| GSM 850 | 251 | 3 | 848.8 | GMSK | 2 Tx | 31.83 | 25.42 | 38.45 | PASS |
| GSM 850 | 251 | 3 | 848.8 | GMSK | 3 Tx | 30.01 | 23.6 | 38.45 | PASS |
| GSM 850 | 251 | 3 | 848.8 | GMSK | 4 Tx | 28.86 | 22.45 | 38.45 | PASS |
| GSM 850 | 190 | 3 | 836.6 | GMSK | 1 Tx | 32.71 | 26.3 | 38.45 | PASS |
| GSM 850 | 190 | 3 | 836.6 | GMSK | 2 Tx | 32.07 | 25.66 | 38.45 | PASS |
| GSM 850 | 190 | 3 | 836.6 | GMSK | 3 Tx | 30.37 | 23.96 | 38.45 | PASS |
| GSM 850 | 190 | 3 | 836.6 | GMSK | 4 Tx | 29.27 | 22.86 | 38.45 | PASS |
| GSM 850 | 128 | 3 | 824.2 | GMSK | 1 Tx | 32.69 | 26.28 | 38.45 | PASS |
| GSM 850 | 128 | 3 | 824.2 | GMSK | 2 Tx | 32.11 | 25.7 | 38.45 | PASS |
| GSM 850 | 128 | 3 | 824.2 | GMSK | 3 Tx | 30.51 | 24.1 | 38.45 | PASS |
| GSM 850 | 128 | 3 | 824.2 | GMSK | 4 Tx | 29.48 | 23.07 | 38.45 | PASS |
| PCS 1900 | 810 | 3 | 1909.8 | GMSK | 1 Tx | 29.60 | 26.27 | 33 | PASS |
| PCS 1900 | 810 | 3 | 1909.8 | GMSK | 2 Tx | 28.82 | 25.49 | 33 | PASS |
| PCS 1900 | 810 | 3 | 1909.8 | GMSK | 3 Tx | 26.96 | 23.63 | 33 | PASS |
| PCS 1900 | 810 | 3 | 1909.8 | GMSK | 4 Tx | 25.71 | 22.38 | 33 | PASS |
| PCS 1900 | 661 | 3 | 1880.0 | GMSK | 1 Tx | 29.68 | 26.35 | 33 | PASS |
| PCS 1900 | 661 | 3 | 1880.0 | GMSK | 2 Tx | 28.88 | 25.55 | 33 | PASS |
| PCS 1900 | 661 | 3 | 1880.0 | GMSK | 3 Tx | 26.92 | 23.59 | 33 | PASS |
| PCS 1900 | 661 | 3 | 1880.0 | GMSK | 4 Tx | 25.62 | 22.29 | 33 | PASS |
| PCS 1900 | 512 | 3 | 1850.2 | GMSK | 1 Tx | 30.34 | 27.01 | 33 | PASS |
| PCS 1900 | 512 | 3 | 1850.2 | GMSK | 2 Tx | 29.52 | 26.19 | 33 | PASS |
| PCS 1900 | 512 | 3 | 1850.2 | GMSK | 3 Tx | 27.60 | 24.27 | 33 | PASS |
| PCS 1900 | 512 | 3 | 1850.2 | GMSK | 4 Tx | 26.32 | 22.99 | 33 | PASS |

## Peak to Average Ratio GPRS

| Band | Channel | Freq (MHz) | Slots | Result (dB) | Limit (dB) | Verdict |
|---|---|---|---|---|---|---|
| GSM 850 | 251 | 848.8 | 1 Tx | 3.06 | 13 | PASS |
| GSM 850 | 190 | 836.6 | 1 Tx | 2.78 | 13 | PASS |
| GSM 850 | 128 | 824.2 | 1 Tx | 2.71 | 13 | PASS |
| PCS 1900 | 810 | 1909.8 | 1 Tx | 2.87 | 13 | PASS |
| PCS 1900 | 661 | 1880.0 | 1 Tx | 2.88 | 13 | PASS |
| PCS 1900 | 512 | 1850.2 | 1 Tx | 2.71 | 13 | PASS |

## Transmitter Conducted Output Power And ERP/EIRP EGPRS

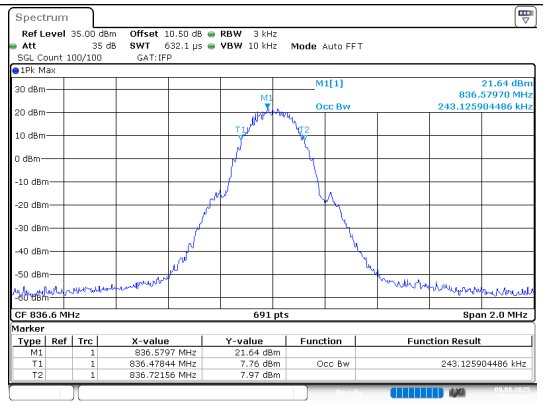
| Band | Channel | Gamma | Freq (MHz) | Modulation | Slots | Conducted Power(dBm) | ERP/EIRP (dBm) | ERP/EIRP(limit) (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| GSM 850 | 251 | 6 | 848.8 | 8PSK | 1 Tx | 29.53 | 23.12 | 38.45 | PASS |
| GSM 850 | 251 | 6 | 848.8 | 8PSK | 2 Tx | 28.27 | 21.86 | 38.45 | PASS |
| GSM 850 | 251 | 6 | 848.8 | 8PSK | 3 Tx | 27.90 | 21.49 | 38.45 | PASS |
| GSM 850 | 251 | 6 | 848.8 | 8PSK | 4 Tx | 25.49 | 19.08 | 38.45 | PASS |
| GSM 850 | 190 | 6 | 836.6 | 8PSK | 1 Tx | 29.57 | 23.16 | 38.45 | PASS |
| GSM 850 | 190 | 6 | 836.6 | 8PSK | 2 Tx | 28.60 | 22.19 | 38.45 | PASS |
| GSM 850 | 190 | 6 | 836.6 | 8PSK | 3 Tx | 26.79 | 20.38 | 38.45 | PASS |
| GSM 850 | 190 | 6 | 836.6 | 8PSK | 4 Tx | 25.12 | 18.71 | 38.45 | PASS |
| GSM 850 | 128 | 6 | 824.2 | 8PSK | 1 Tx | 29.66 | 23.25 | 38.45 | PASS |
| GSM 850 | 128 | 6 | 824.2 | 8PSK | 2 Tx | 28.64 | 22.23 | 38.45 | PASS |
| GSM 850 | 128 | 6 | 824.2 | 8PSK | 3 Tx | 27.49 | 21.08 | 38.45 | PASS |
| GSM 850 | 128 | 6 | 824.2 | 8PSK | 4 Tx | 25.31 | 18.90 | 38.45 | PASS |
| PCS 1900 | 810 | 5 | 1909.8 | 8PSK | 1 Tx | 25.45 | 22.12 | 33 | PASS |
| PCS 1900 | 810 | 5 | 1909.8 | 8PSK | 2 Tx | 24.29 | 20.96 | 33 | PASS |
| PCS 1900 | 810 | 5 | 1909.8 | 8PSK | 3 Tx | 23.78 | 20.45 | 33 | PASS |
| PCS 1900 | 810 | 5 | 1909.8 | 8PSK | 4 Tx | 22.86 | 19.53 | 33 | PASS |
| PCS 1900 | 661 | 5 | 1880.0 | 8PSK | 1 Tx | 25.87 | 22.54 | 33 | PASS |
| PCS 1900 | 661 | 5 | 1880.0 | 8PSK | 2 Tx | 24.36 | 21.03 | 33 | PASS |
| PCS 1900 | 661 | 5 | 1880.0 | 8PSK | 3 Tx | 23.83 | 20.50 | 33 | PASS |
| PCS 1900 | 661 | 5 | 1880.0 | 8PSK | 4 Tx | 22.06 | 18.73 | 33 | PASS |
| PCS 1900 | 512 | 5 | 1850.2 | 8PSK | 1 Tx | 26.37 | 23.04 | 33 | PASS |
| PCS 1900 | 512 | 5 | 1850.2 | 8PSK | 2 Tx | 25.36 | 22.03 | 33 | PASS |
| PCS 1900 | 512 | 5 | 1850.2 | 8PSK | 3 Tx | 24.42 | 21.09 | 33 | PASS |
| PCS 1900 | 512 | 5 | 1850.2 | 8PSK | 4 Tx | 23.54 | 20.21 | 33 | PASS |

## Peak to Average Ratio EGPRS

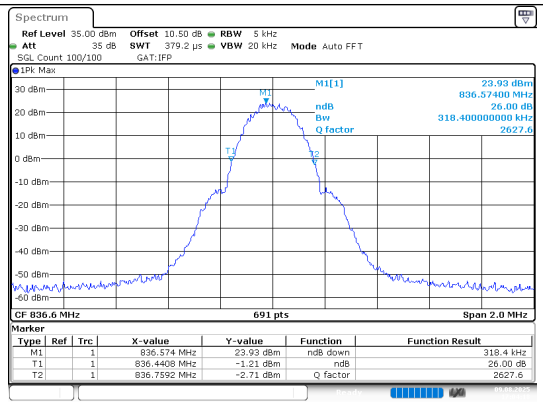
| Band | Channel | Freq (MHz) | Slots | Result (dB) | Limit (dB) | Verdict |
|---|---|---|---|---|---|---|
| GSM 850 | 251 | 848.8 | 1 Tx | 2.74 | 13 | PASS |
| GSM 850 | 190 | 836.6 | 1 Tx | 2.81 | 13 | PASS |
| GSM 850 | 128 | 824.2 | 1 Tx | 2.75 | 13 | PASS |
| PCS 1900 | 810 | 1909.8 | 1 Tx | 2.73 | 13 | PASS |
| PCS 1900 | 661 | 1880.0 | 1 Tx | 2.85 | 13 | PASS |
| PCS 1900 | 512 | 1850.2 | 1 Tx | 2.83 | 13 | PASS |

## Occupied Bandwidth EGPRS

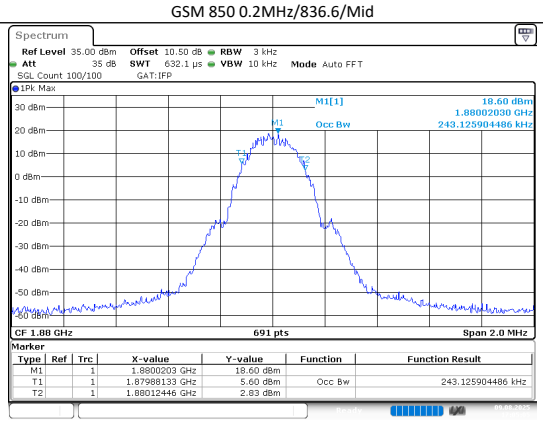
| Band | Channel | Freq (MHz) | Slots | OBW (MHz) | 26dB BW (MHz) | Verdict |
|---|---|---|---|---|---|---|
| GSM 850 | 190 | 836.6 | 1 Tx | 0.24313 | 0.3184 | PASS |
| PCS 1900 | 661 | 1880.0 | 1 Tx | 0.24313 | 0.3213 | PASS |



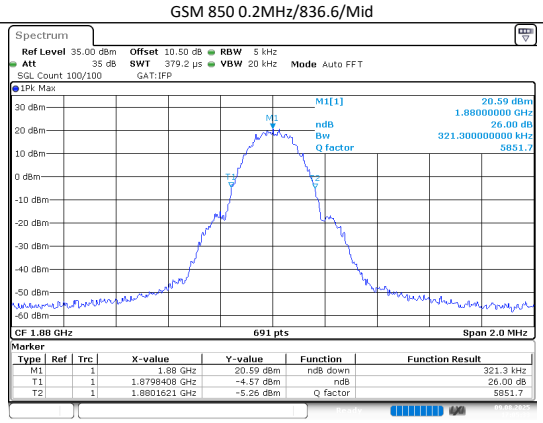

99%OBW
GSM 850 0.2MHz/836.6/Mid




26%OBW
GSM 850 0.2MHz/836.6/Mid

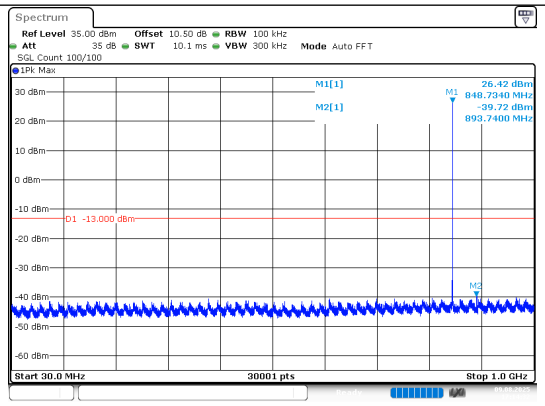



99%OBW
PCS 1900 0.2MHz/1880.0/Mid

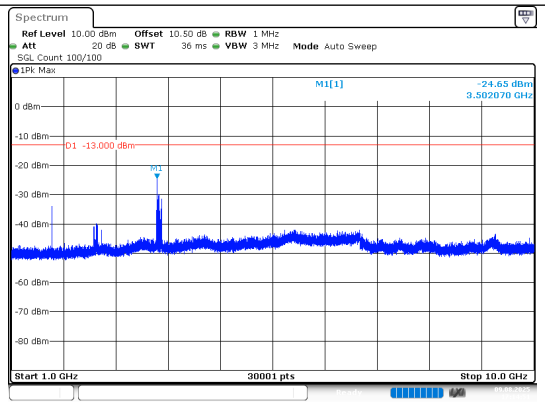



26%OBW
PCS 1900 0.2MHz/1880.0/Mid

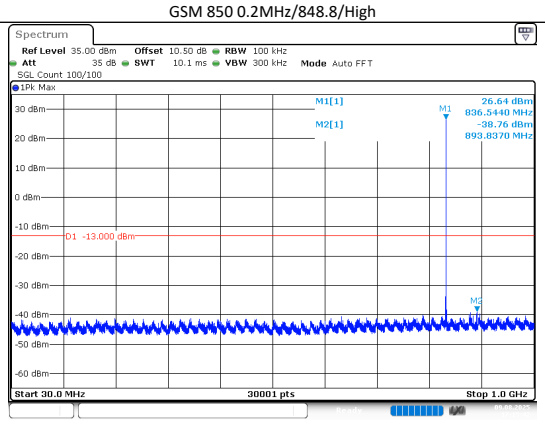
## Conducted Spurious Emissions EGPRS



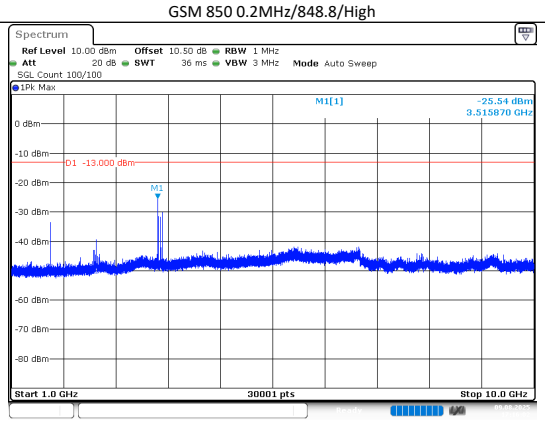

30.0MHz-1000.0MHz
GSM 850 0.2MHz/848.8/High



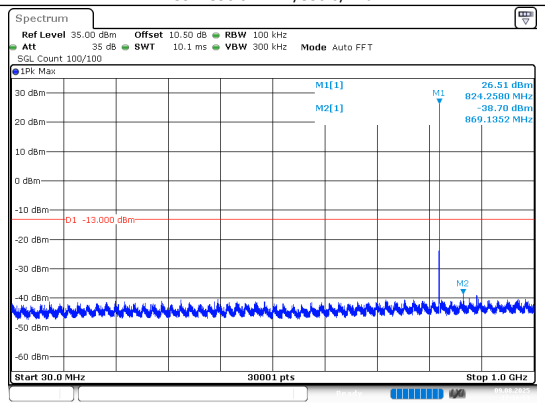

1000.0MHz-10000.0MHz
GSM 850 0.2MHz/848.8/High



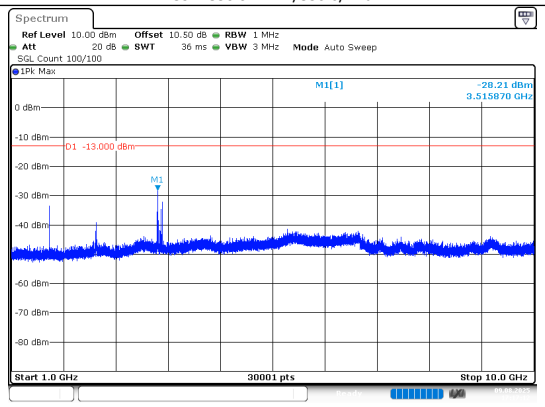

30.0MHz-1000.0MHz
GSM 850 0.2MHz/836.6/Mid



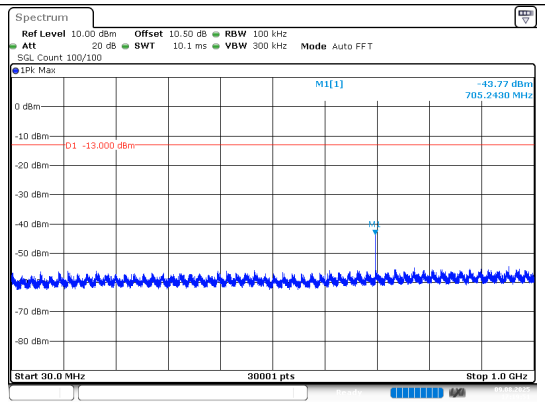

1000.0MHz-10000.0MHz
GSM 850 0.2MHz/836.6/Mid



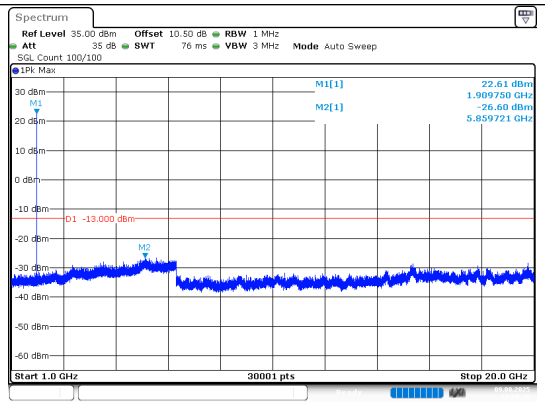

30.0MHz-1000.0MHz
GSM 850 0.2MHz/824.2/Low



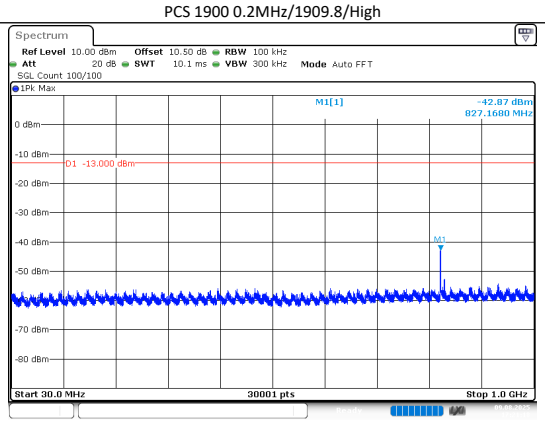

1000.0MHz-10000.0MHz
GSM 850 0.2MHz/824.2/Low



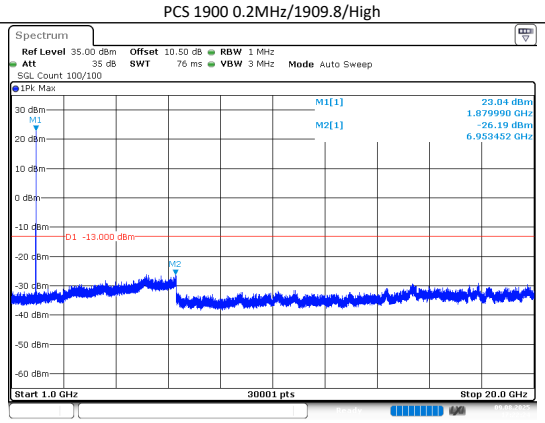

30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1909.8/High



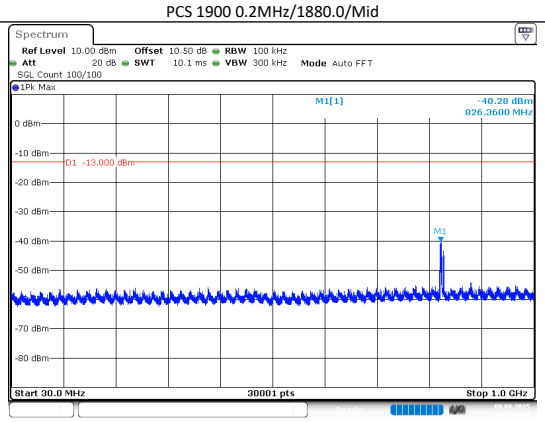

1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1909.8/High



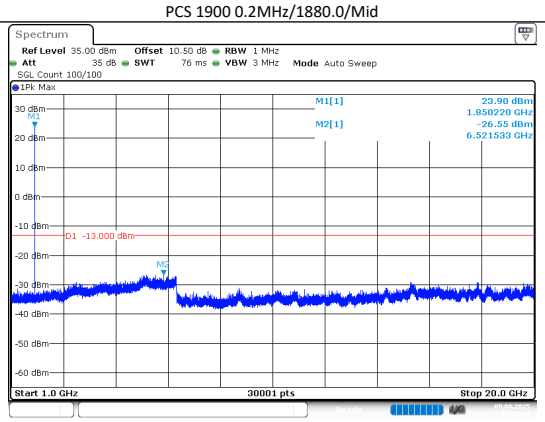

30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1880.0/Mid




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



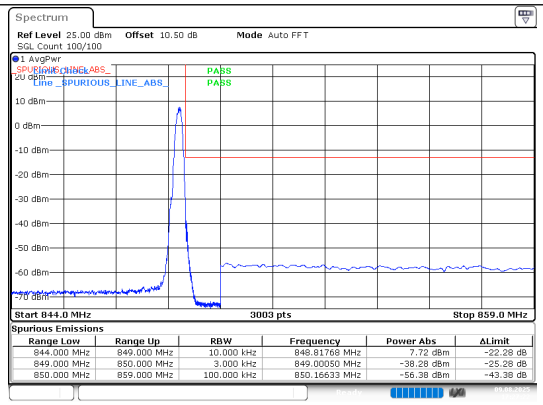

30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1850.2/Low



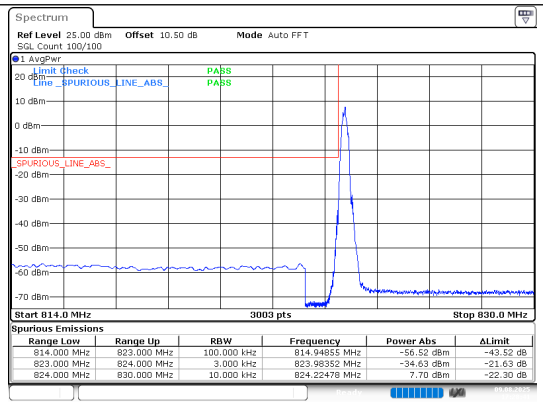

1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1850.2/Low

## Conducted Band Edge EGPRS

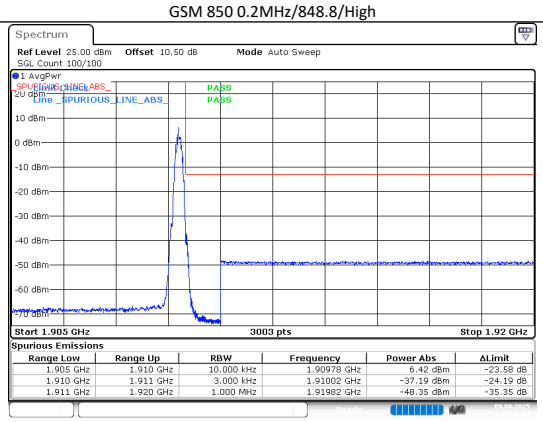
| Band | Channel | Freq (MHz) | Slots | Result | Verdict |
|---|---|---|---|---|---|
| GSM 850 | 251 | 848.8 | 1 Tx | see graph | PASS |
| GSM 850 | 128 | 824.2 | 1 Tx | see graph | PASS |
| PCS 1900 | 810 | 1909.8 | 1 Tx | see graph | PASS |
| PCS 1900 | 512 | 1850.2 | 1 Tx | see graph | PASS |



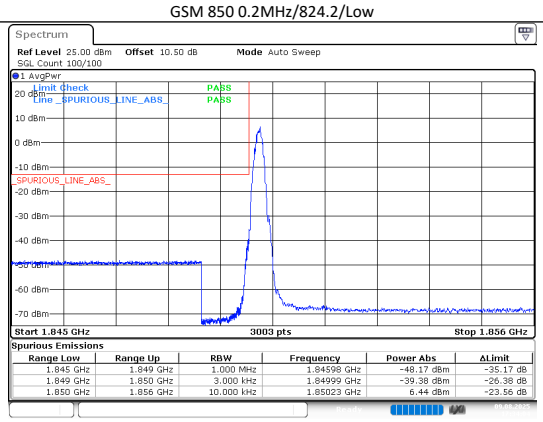

GSM 850 0.2MHz/848.8/High




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 | 0.58 | 0.00068 | ±2.5 | PASS | 20°C/4.43V |
| GSM 850 | 251 | 848.8 | 1.63 | 0.00192 | ±2.5 | PASS | 20°C/3.6V |
| GSM 850 | 251 | 848.8 | -4.15 | -0.00489 | ±2.5 | PASS | 50°C/3.86V |
| GSM 850 | 251 | 848.8 | 2.02 | 0.00238 | ±2.5 | PASS | 40°C/3.86V |
| GSM 850 | 251 | 848.8 | -4.04 | -0.00476 | ±2.5 | PASS | 30°C/3.86V |
| GSM 850 | 251 | 848.8 | -9.97 | -0.01175 | ±2.5 | PASS | 20°C/3.86V |
| GSM 850 | 251 | 848.8 | -2.09 | -0.00246 | ±2.5 | PASS | 10°C/3.86V |
| GSM 850 | 251 | 848.8 | -3.84 | -0.00452 | ±2.5 | PASS | 0°C/3.86V |
| GSM 850 | 251 | 848.8 | 1.42 | 0.00167 | ±2.5 | PASS | -10°C/3.86V |
| GSM 850 | 251 | 848.8 | -0.28 | -0.00033 | ±2.5 | PASS | -20°C/3.86V |
| GSM 850 | 251 | 848.8 | -5.20 | -0.00613 | ±2.5 | PASS | -30°C/3.86V |
| GSM 850 | 190 | 836.6 | 0.35 | 0.00042 | ±2.5 | PASS | 20°C/4.43V |
| GSM 850 | 190 | 836.6 | -0.33 | -0.00039 | ±2.5 | PASS | 20°C/3.6V |
| GSM 850 | 190 | 836.6 | 6.54 | 0.00782 | ±2.5 | PASS | 50°C/3.86V |
| GSM 850 | 190 | 836.6 | -1.16 | -0.00139 | ±2.5 | PASS | 40°C/3.86V |
| GSM 850 | 190 | 836.6 | 2.68 | 0.00320 | ±2.5 | PASS | 30°C/3.86V |
| GSM 850 | 190 | 836.6 | 1.42 | 0.00170 | ±2.5 | PASS | 20°C/3.86V |
| GSM 850 | 190 | 836.6 | 0.86 | 0.00103 | ±2.5 | PASS | 10°C/3.86V |
| GSM 850 | 190 | 836.6 | 0.54 | 0.00065 | ±2.5 | PASS | 0°C/3.86V |
| GSM 850 | 190 | 836.6 | 5.49 | 0.00656 | ±2.5 | PASS | -10°C/3.86V |
| GSM 850 | 190 | 836.6 | -1.27 | -0.00152 | ±2.5 | PASS | -20°C/3.86V |
| GSM 850 | 190 | 836.6 | 2.16 | 0.00258 | ±2.5 | PASS | -30°C/3.86V |
| GSM 850 | 128 | 824.2 | 7.21 | 0.00875 | ±2.5 | PASS | 20°C/4.43V |
| GSM 850 | 128 | 824.2 | -5.87 | -0.00712 | ±2.5 | PASS | 20°C/3.6V |
| GSM 850 | 128 | 824.2 | 2.35 | 0.00285 | ±2.5 | PASS | 50°C/3.86V |
| GSM 850 | 128 | 824.2 | -5.64 | -0.00684 | ±2.5 | PASS | 40°C/3.86V |
| GSM 850 | 128 | 824.2 | 3.27 | 0.00397 | ±2.5 | PASS | 30°C/3.86V |
| GSM 850 | 128 | 824.2 | -2.94 | -0.00357 | ±2.5 | PASS | 20°C/3.86V |
| GSM 850 | 128 | 824.2 | 0.85 | 0.00103 | ±2.5 | PASS | 10°C/3.86V |
| GSM 850 | 128 | 824.2 | -0.18 | -0.00022 | ±2.5 | PASS | 0°C/3.86V |
| GSM 850 | 128 | 824.2 | -0.86 | -0.00104 | ±2.5 | PASS | -10°C/3.86V |
| GSM 850 | 128 | 824.2 | -4.81 | -0.00584 | ±2.5 | PASS | -20°C/3.86V |
| GSM 850 | 128 | 824.2 | -0.43 | -0.00052 | ±2.5 | PASS | -30°C/3.86V |

## 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 | 1850.052 | 1850.000 | 1909.968 | 1910.000 | 20°C/4.43V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.047 | 1850.000 | 1909.965 | 1910.000 | 20°C/3.6V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.002 | 1850.000 | 1909.992 | 1910.000 | 50°C/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.069 | 1850.000 | 1909.958 | 1910.000 | 40°C/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.042 | 1850.000 | 1909.975 | 1910.000 | 30°C/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.090 | 1850.000 | 1909.983 | 1910.000 | 20°C/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.076 | 1850.000 | 1909.952 | 1910.000 | 10°C/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.035 | 1850.000 | 1909.978 | 1910.000 | 0°C/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.068 | 1850.000 | 1909.954 | 1910.000 | -10°C/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.011 | 1850.000 | 1909.964 | 1910.000 | -20°C/3.86V |
| PCS 1900 | 512/810 | 1850.2/1909.8 | 1850.074 | 1850.000 | 1909.996 | 1910.000 | -30°C/3.86V |