

**8.1 Appendix A: Conducted Output Power**

## Test Result

| Band    | Channel | PCL | Power(dBm) | Limit(dBm) | Verdict |
|---------|---------|-----|------------|------------|---------|
| GSM850  | 128     | 5   | 33.67      | 38.5       | PASS    |
| GSM850  | 190     | 5   | 33.74      | 38.5       | PASS    |
| GSM850  | 251     | 5   | 33.74      | 38.5       | PASS    |
| GSM1900 | 512     | 0   | 30.09      | 33         | PASS    |
| GSM1900 | 661     | 0   | 29.87      | 33         | PASS    |
| GSM1900 | 810     | 0   | 29.67      | 33         | PASS    |



| Band     | Channel | PCL | Slot | Power(dBm) | Limit(dBm) | Verdict |
|----------|---------|-----|------|------------|------------|---------|
| GPRS850  | 128     | 5   | 1    | 33.53      | 38.5       | PASS    |
| GPRS850  | 128     | 5   | 2    | 33.10      | 38.5       | PASS    |
| GPRS850  | 128     | 5   | 3    | 31.38      | 38.5       | PASS    |
| GPRS850  | 128     | 5   | 4    | 29.40      | 38.5       | PASS    |
| GPRS850  | 190     | 5   | 1    | 33.57      | 38.5       | PASS    |
| GPRS850  | 190     | 5   | 2    | 33.08      | 38.5       | PASS    |
| GPRS850  | 190     | 5   | 3    | 31.43      | 38.5       | PASS    |
| GPRS850  | 190     | 5   | 4    | 29.46      | 38.5       | PASS    |
| GPRS850  | 251     | 5   | 1    | 33.54      | 38.5       | PASS    |
| GPRS850  | 251     | 5   | 2    | 32.79      | 38.5       | PASS    |
| GPRS850  | 251     | 5   | 3    | 31.34      | 38.5       | PASS    |
| GPRS850  | 251     | 5   | 4    | 29.33      | 38.5       | PASS    |
| GPRS1900 | 512     | 0   | 1    | 30.03      | 33         | PASS    |
| GPRS1900 | 512     | 0   | 2    | 29.76      | 33         | PASS    |
| GPRS1900 | 512     | 0   | 3    | 28.48      | 33         | PASS    |
| GPRS1900 | 512     | 0   | 4    | 27.22      | 33         | PASS    |
| GPRS1900 | 661     | 0   | 1    | 29.79      | 33         | PASS    |
| GPRS1900 | 661     | 0   | 2    | 29.45      | 33         | PASS    |
| GPRS1900 | 661     | 0   | 3    | 28.22      | 33         | PASS    |
| GPRS1900 | 661     | 0   | 4    | 26.70      | 33         | PASS    |
| GPRS1900 | 810     | 0   | 1    | 29.58      | 33         | PASS    |
| GPRS1900 | 810     | 0   | 2    | 29.17      | 33         | PASS    |
| GPRS1900 | 810     | 0   | 3    | 27.81      | 33         | PASS    |
| GPRS1900 | 810     | 0   | 4    | 26.19      | 33         | PASS    |



| Band      | Channel | PCL | Slot | Power(dBm) | Limit(dBm) | Verdict |
|-----------|---------|-----|------|------------|------------|---------|
| EGPRS850  | 128     | 8   | 1    | 27.45      | 38.5       | PASS    |
| EGPRS850  | 128     | 8   | 2    | 27.51      | 38.5       | PASS    |
| EGPRS850  | 128     | 8   | 3    | 27.46      | 38.5       | PASS    |
| EGPRS850  | 128     | 8   | 4    | 27.39      | 38.5       | PASS    |
| EGPRS850  | 190     | 8   | 1    | 27.52      | 38.5       | PASS    |
| EGPRS850  | 190     | 8   | 2    | 27.57      | 38.5       | PASS    |
| EGPRS850  | 190     | 8   | 3    | 27.53      | 38.5       | PASS    |
| EGPRS850  | 190     | 8   | 4    | 27.46      | 38.5       | PASS    |
| EGPRS850  | 251     | 8   | 1    | 27.38      | 38.5       | PASS    |
| EGPRS850  | 251     | 8   | 2    | 27.44      | 38.5       | PASS    |
| EGPRS850  | 251     | 8   | 3    | 27.39      | 38.5       | PASS    |
| EGPRS850  | 251     | 8   | 4    | 27.32      | 38.5       | PASS    |
| EGPRS1900 | 512     | 2   | 1    | 27.16      | 33         | PASS    |
| EGPRS1900 | 512     | 2   | 2    | 27.28      | 33         | PASS    |
| EGPRS1900 | 512     | 2   | 3    | 27.21      | 33         | PASS    |
| EGPRS1900 | 512     | 2   | 4    | 27.06      | 33         | PASS    |
| EGPRS1900 | 661     | 2   | 1    | 26.63      | 33         | PASS    |
| EGPRS1900 | 661     | 2   | 2    | 26.78      | 33         | PASS    |
| EGPRS1900 | 661     | 2   | 3    | 26.71      | 33         | PASS    |
| EGPRS1900 | 661     | 2   | 4    | 26.56      | 33         | PASS    |
| EGPRS1900 | 810     | 2   | 1    | 26.15      | 33         | PASS    |
| EGPRS1900 | 810     | 2   | 2    | 26.23      | 33         | PASS    |
| EGPRS1900 | 810     | 2   | 3    | 26.16      | 33         | PASS    |
| EGPRS1900 | 810     | 2   | 4    | 26.04      | 33         | PASS    |



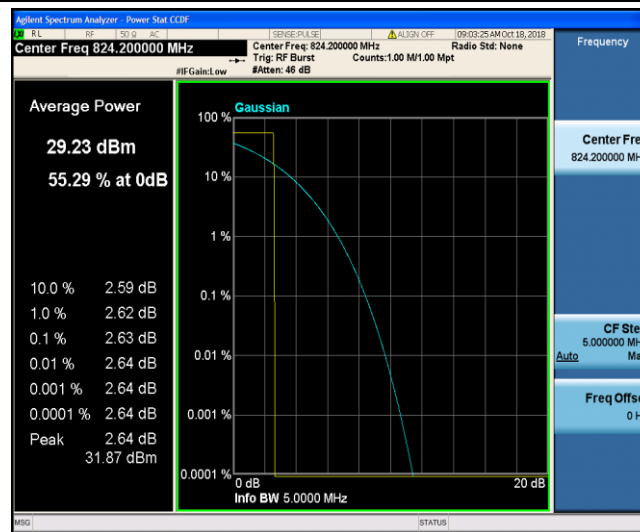
## 8.2 Appendix B: Peak-to-Average Ratio

### Test Result

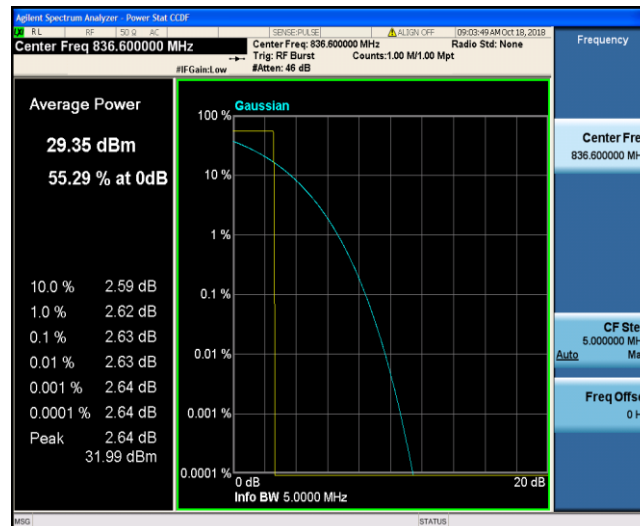
| Band      | Channel | Peak-to-Average Ratio(dB) | Limit(dB) | Verdict |
|-----------|---------|---------------------------|-----------|---------|
| GSM850    | 128     | 2.63                      | 13        | PASS    |
| GSM850    | 190     | 2.63                      | 13        | PASS    |
| GSM850    | 251     | 2.63                      | 13        | PASS    |
| GPRS850   | 128     | 2.64                      | 13        | PASS    |
| GPRS850   | 190     | 2.64                      | 13        | PASS    |
| GPRS850   | 251     | 2.64                      | 13        | PASS    |
| EGPRS850  | 128     | 2.64                      | 13        | PASS    |
| EGPRS850  | 190     | 2.63                      | 13        | PASS    |
| EGPRS850  | 251     | 2.63                      | 13        | PASS    |
| GSM1900   | 512     | 2.64                      | 13        | PASS    |
| GSM1900   | 661     | 2.65                      | 13        | PASS    |
| GSM1900   | 810     | 2.65                      | 13        | PASS    |
| GPRS1900  | 512     | 2.63                      | 13        | PASS    |
| GPRS1900  | 661     | 2.63                      | 13        | PASS    |
| GPRS1900  | 810     | 2.64                      | 13        | PASS    |
| EGPRS1900 | 512     | 2.65                      | 13        | PASS    |
| EGPRS1900 | 661     | 2.64                      | 13        | PASS    |
| EGPRS1900 | 810     | 2.65                      | 13        | PASS    |



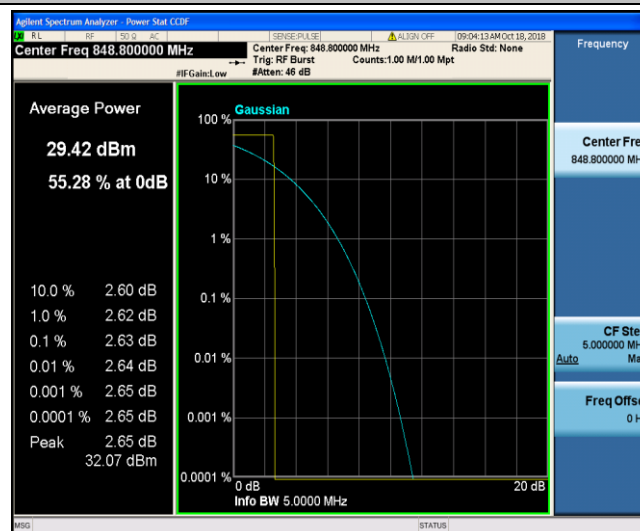
## Test Graphs



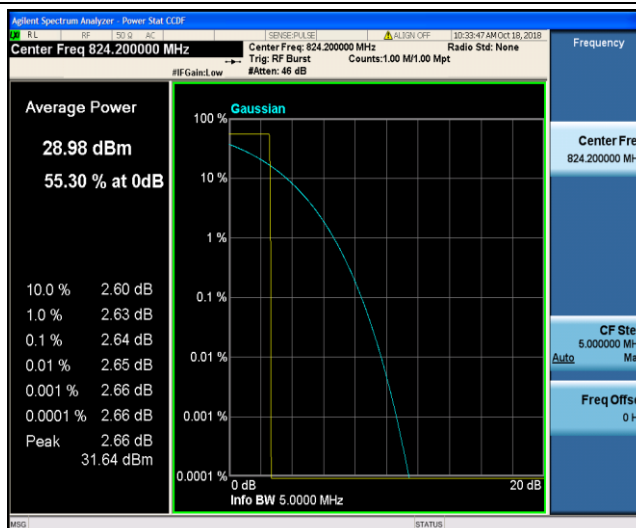
GSM850\_128



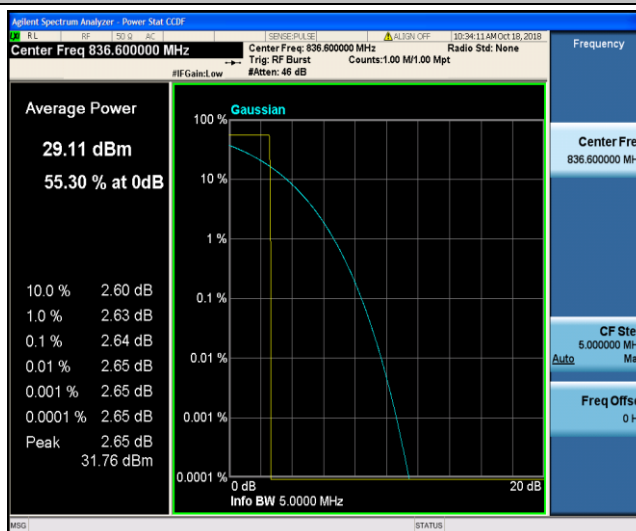
GSM850\_190



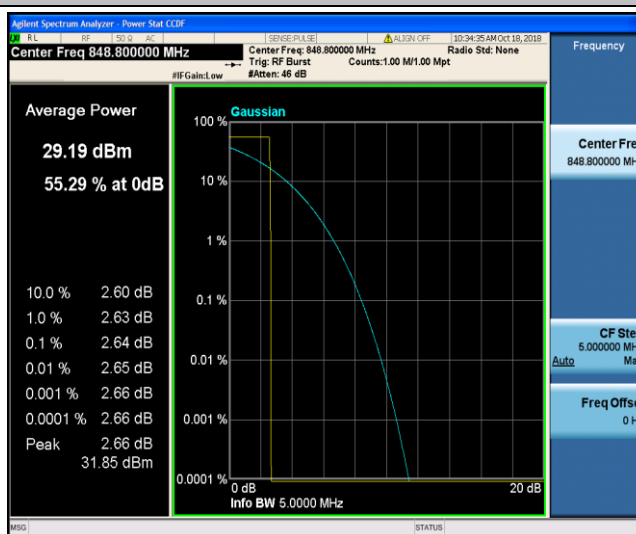
GSM850\_251



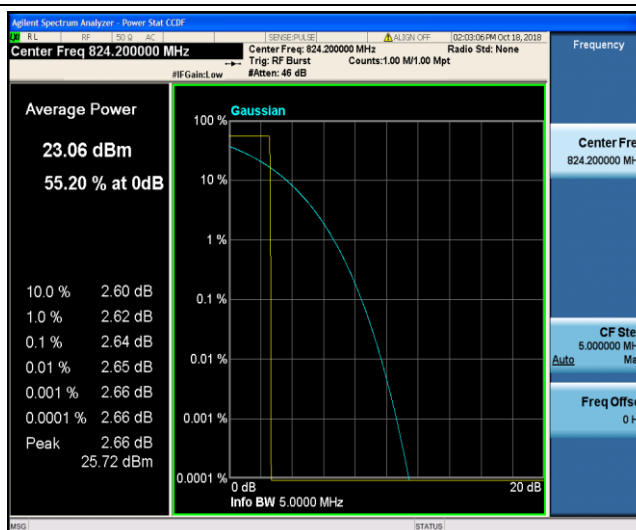
GPRS850\_128



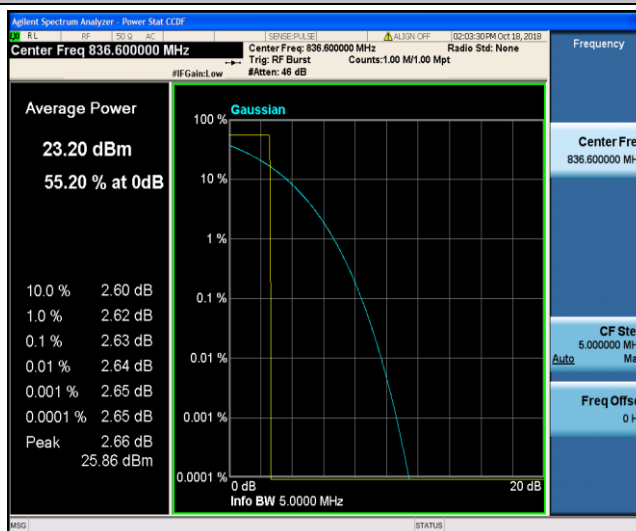
GPRS850\_190



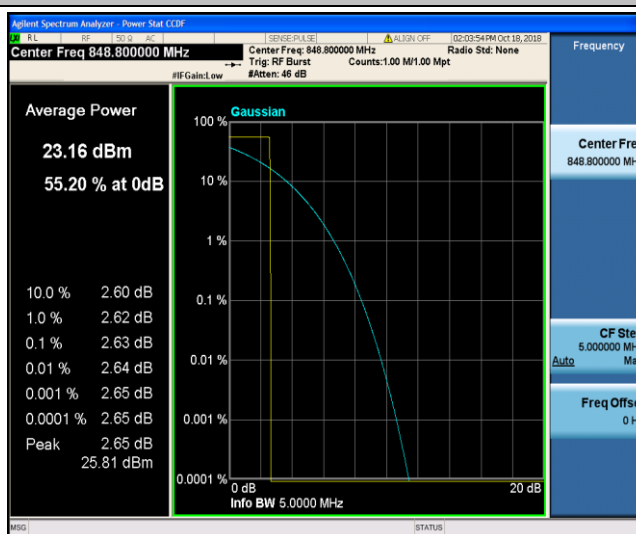
GPRS850\_251



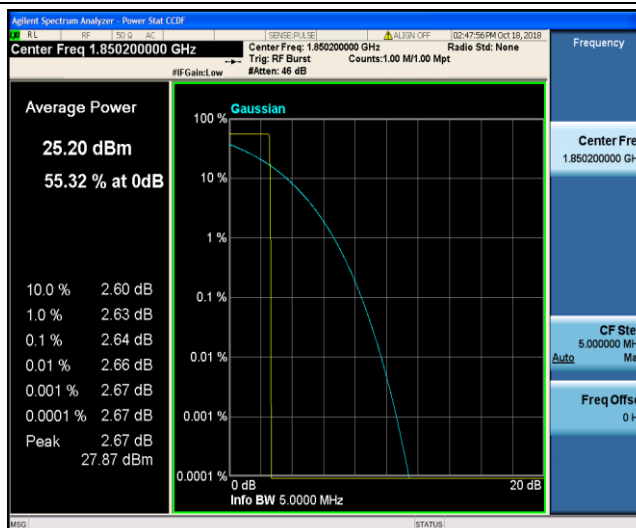
EGPRS850\_128



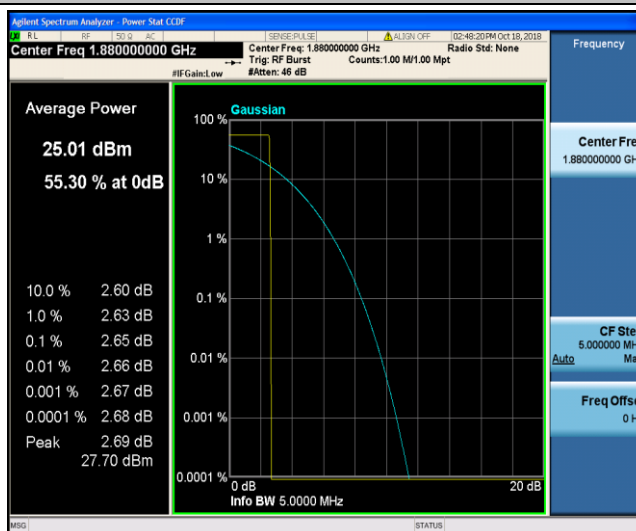
EGPRS850\_190



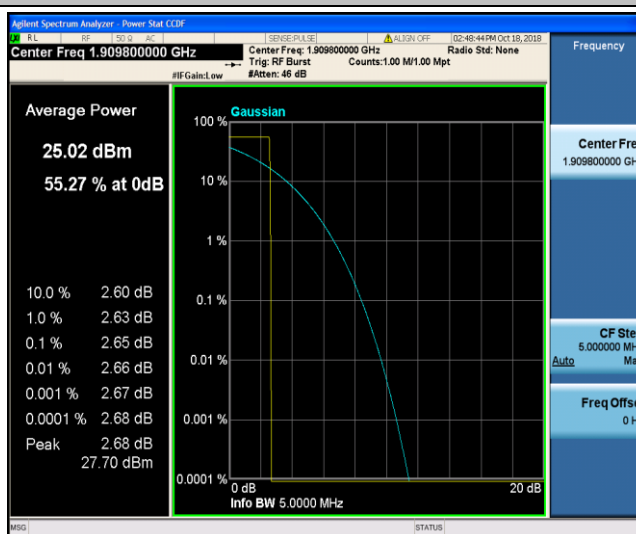
EGPRS850\_251



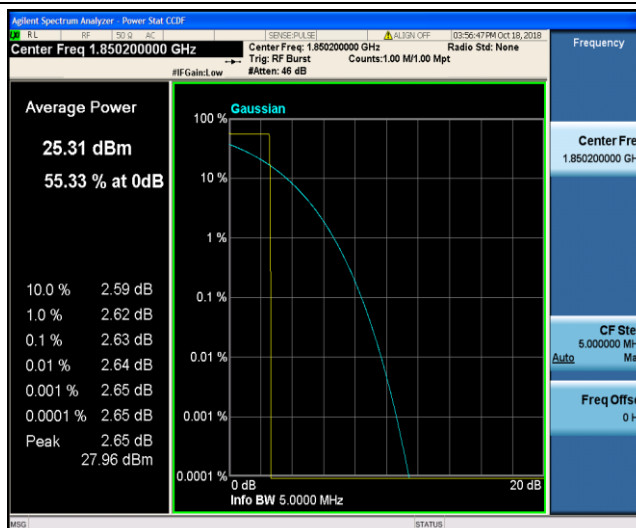
GSM1900\_512



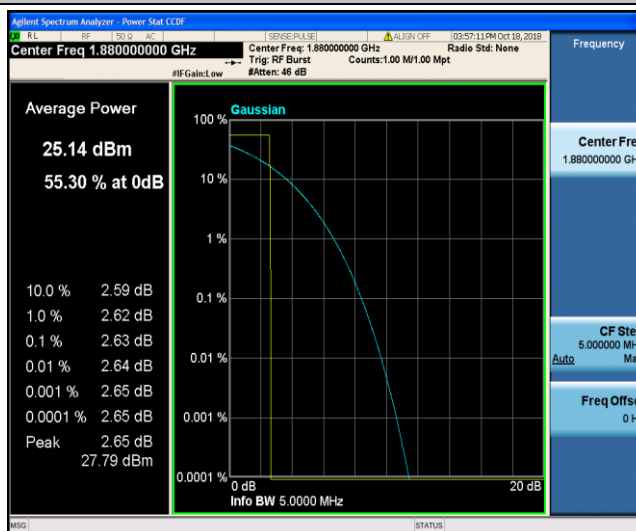
GSM1900\_661



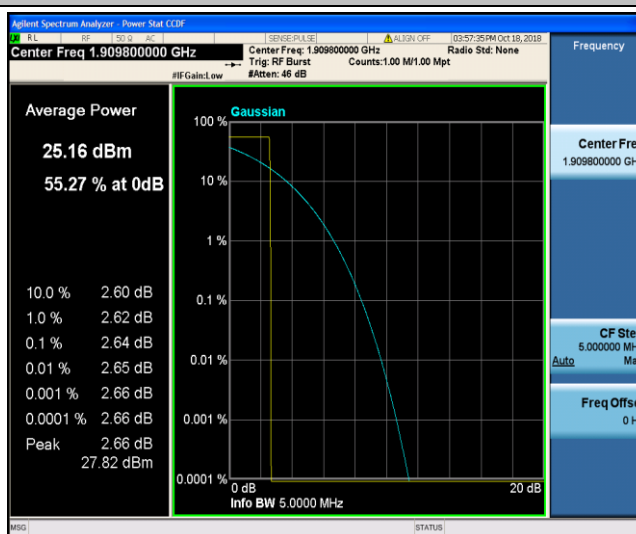
GSM1900\_810



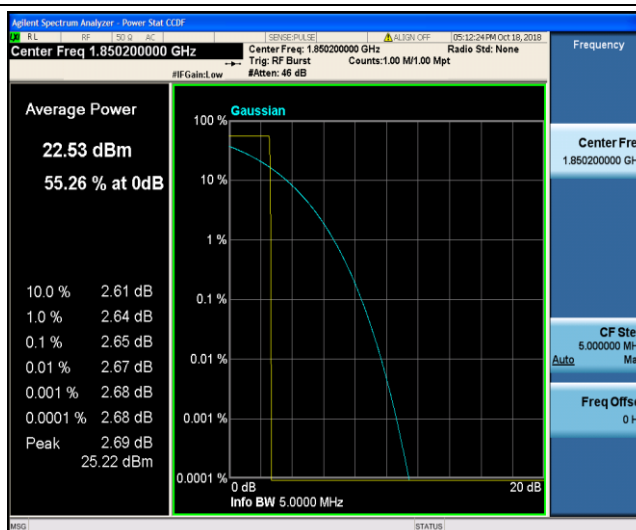
GPRS1900\_512



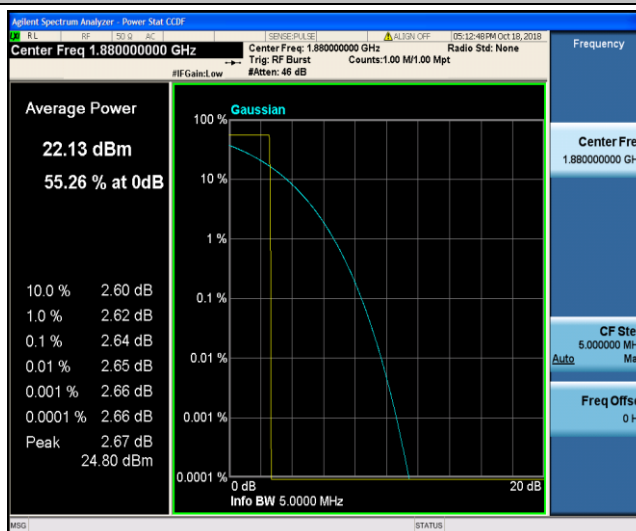
GPRS1900\_661



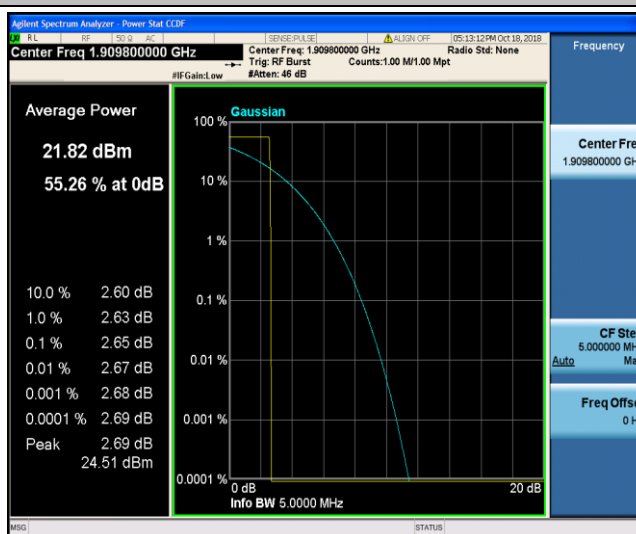
GPRS1900\_810



EGPRS1900\_512



EGPRS1900\_661



EGPRS1900\_810



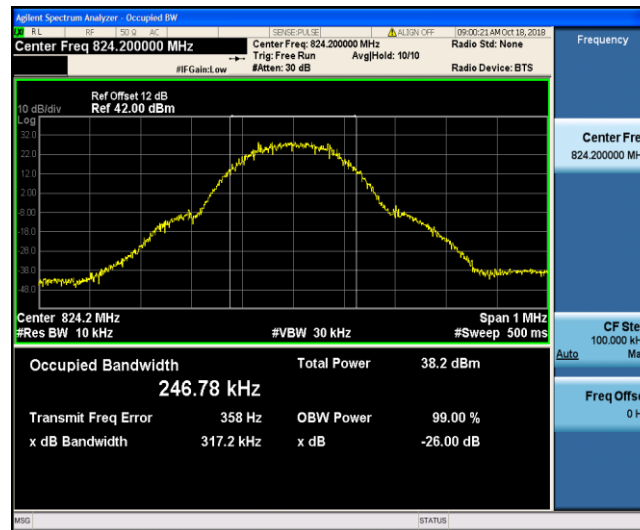
### 8.3 Appendix C: 26dB Bandwidth and Occupied Bandwidth

#### Test Result

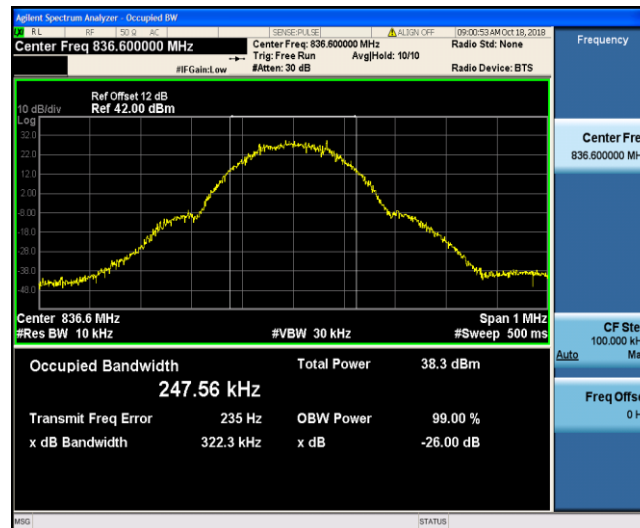
| Band      | Channel | Occupied Bandwidth<br>(kHz) | 26dB Bandwidth<br>(kHz) | Limit(kHz) | Verdict |
|-----------|---------|-----------------------------|-------------------------|------------|---------|
| GSM850    | 128     | 246.78                      | 317.2                   | ---        | PASS    |
| GSM850    | 190     | 247.56                      | 322.3                   | ---        | PASS    |
| GSM850    | 251     | 247.23                      | 319.0                   | ---        | PASS    |
| GPRS850   | 128     | 246.61                      | 321.7                   | ---        | PASS    |
| GPRS850   | 190     | 246.40                      | 314.5                   | ---        | PASS    |
| GPRS850   | 251     | 244.82                      | 319.5                   | ---        | PASS    |
| EGPRS850  | 128     | 244.34                      | 317.7                   | ---        | PASS    |
| EGPRS850  | 190     | 245.19                      | 318.1                   | ---        | PASS    |
| EGPRS850  | 251     | 245.04                      | 315.0                   | ---        | PASS    |
| GSM1900   | 512     | 246.92                      | 313.3                   | ---        | PASS    |
| GSM1900   | 661     | 245.04                      | 316.7                   | ---        | PASS    |
| GSM1900   | 810     | 244.51                      | 310.3                   | ---        | PASS    |
| GPRS1900  | 512     | 247.11                      | 318.4                   | ---        | PASS    |
| GPRS1900  | 661     | 245.04                      | 318.5                   | ---        | PASS    |
| GPRS1900  | 810     | 246.80                      | 318.0                   | ---        | PASS    |
| EGPRS1900 | 512     | 244.79                      | 315.9                   | ---        | PASS    |
| EGPRS1900 | 661     | 247.00                      | 320.0                   | ---        | PASS    |
| EGPRS1900 | 810     | 245.86                      | 310.2                   | ---        | PASS    |



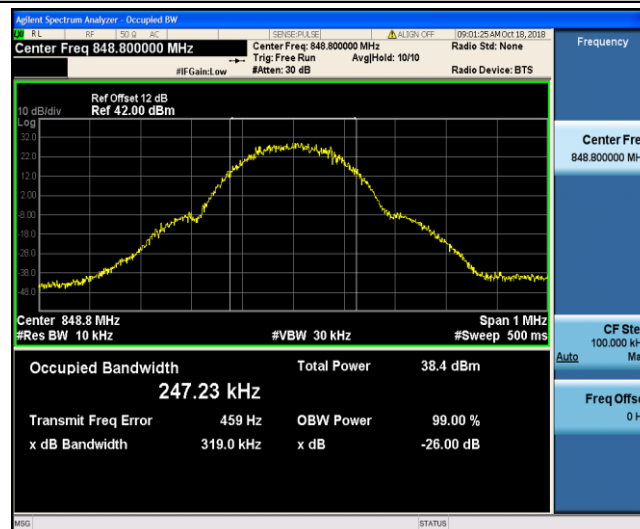
## Test Graphs



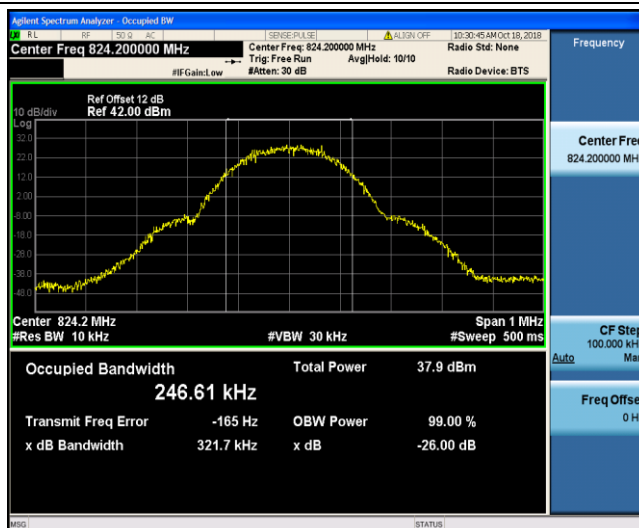
GSM850\_128



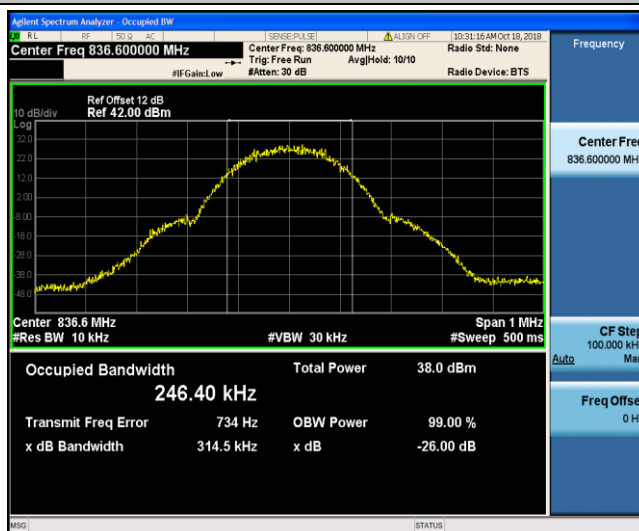
GSM850\_190



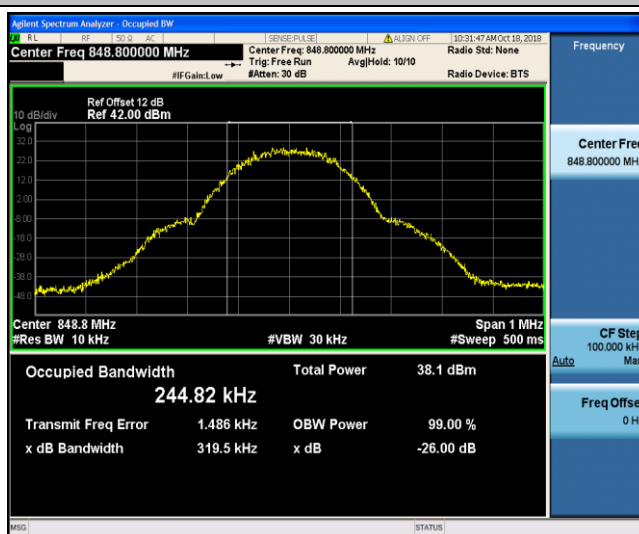
GSM850\_251



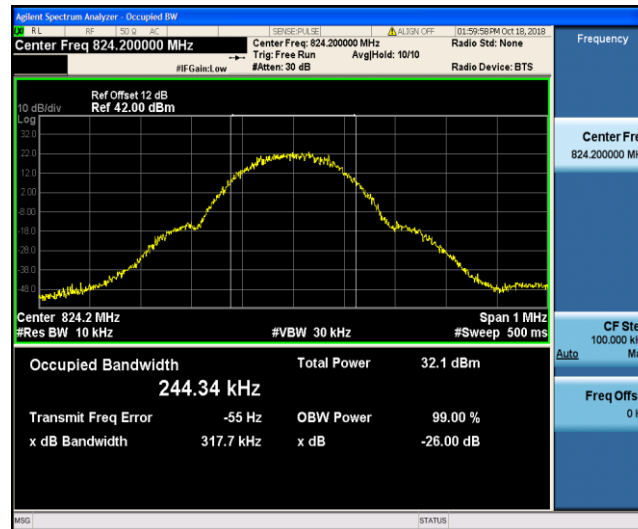
GPRS850\_128



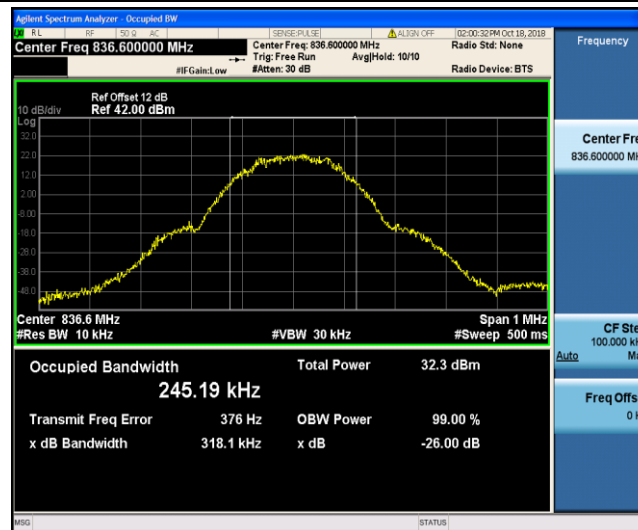
GPRS850\_190



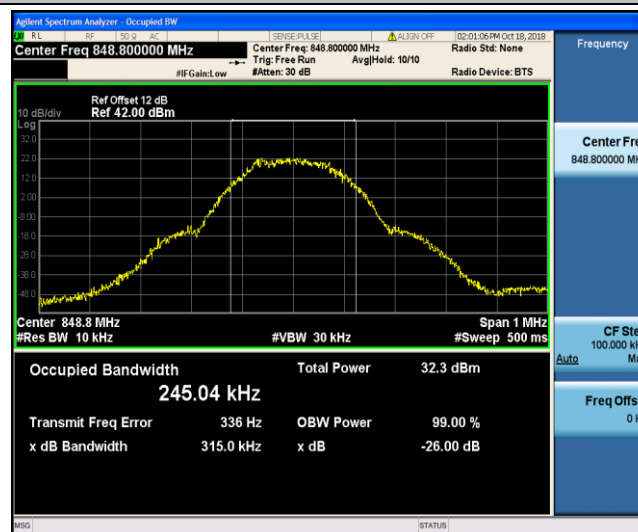
GPRS850\_251



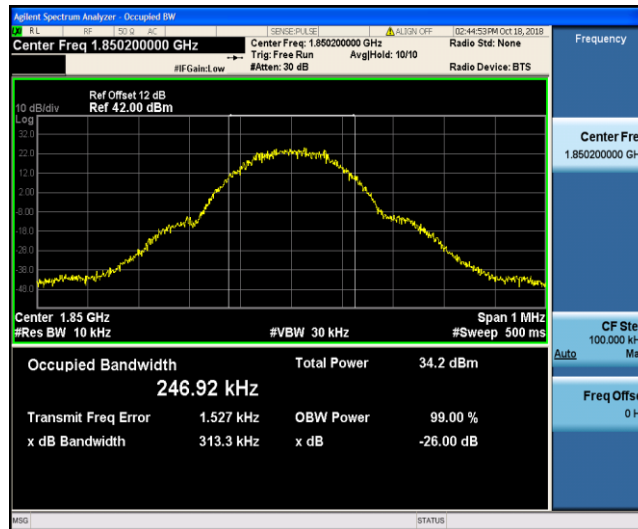
EGPRS850\_128



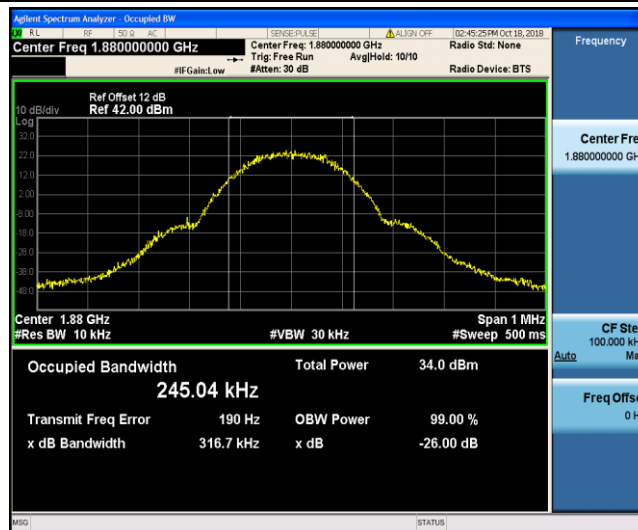
EGPRS850\_190



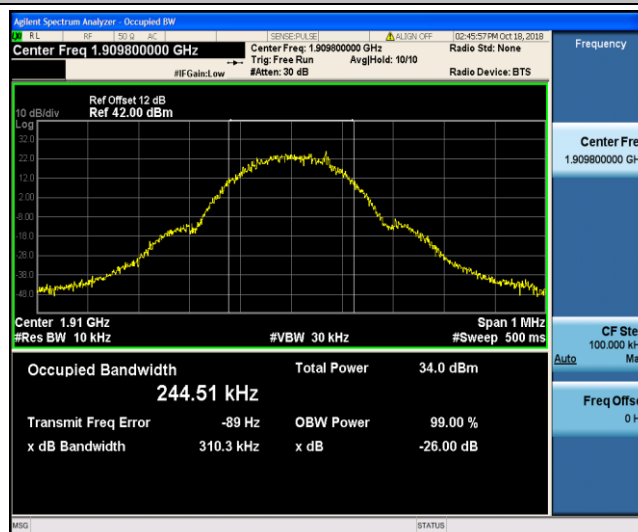
EGPRS850\_251



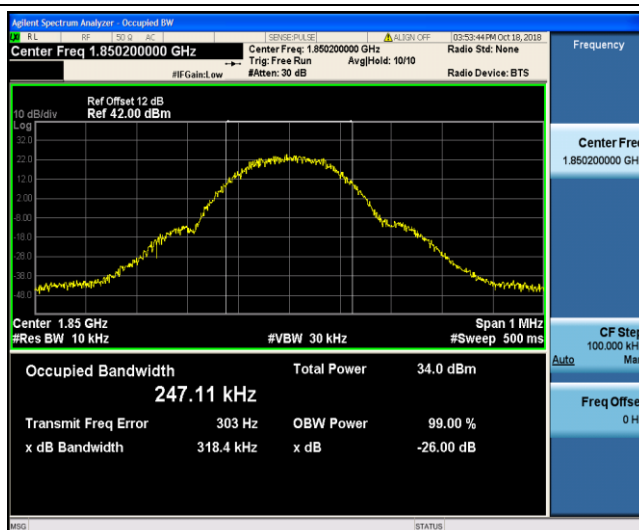
GSM1900\_512



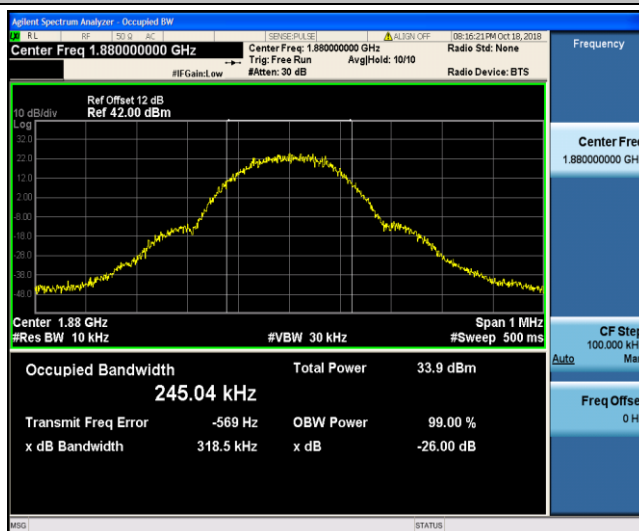
GSM1900\_661



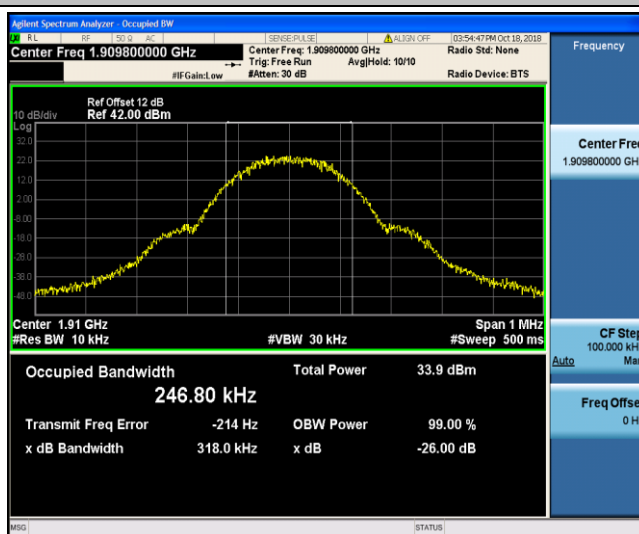
GSM1900\_810



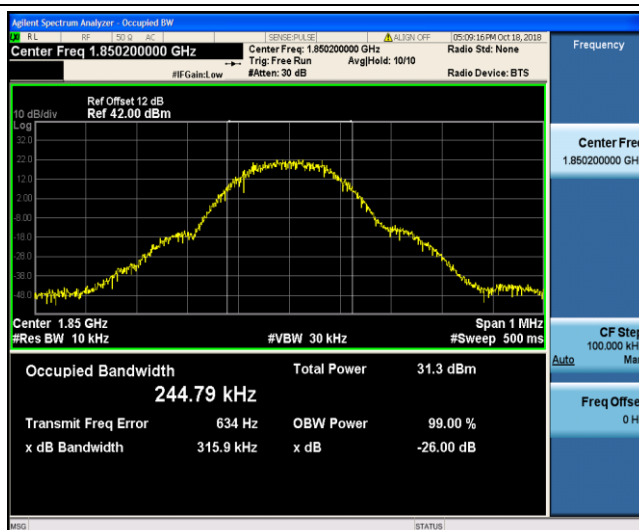
GPRS1900\_512



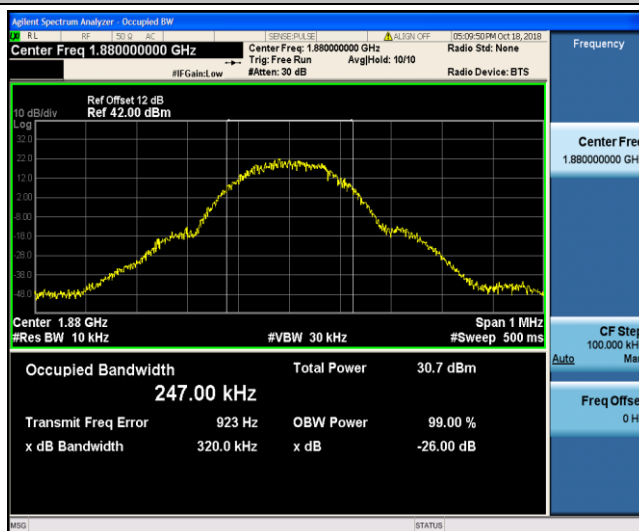
GPRS1900\_661



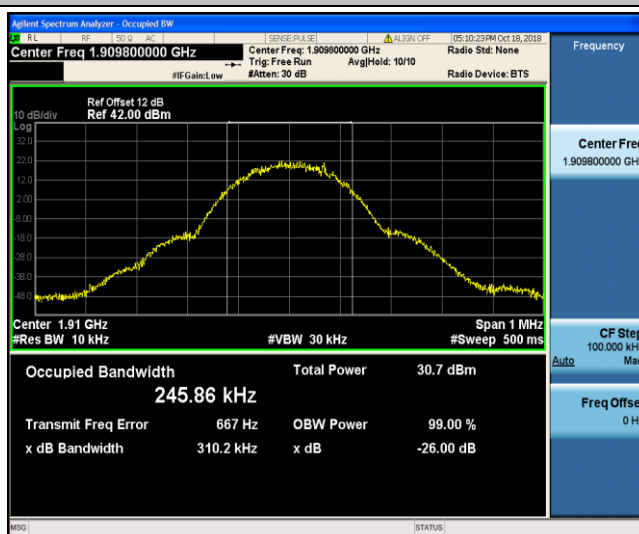
GPRS1900\_810



EGPRS1900\_512



EGPRS1900\_661



EGPRS1900\_810



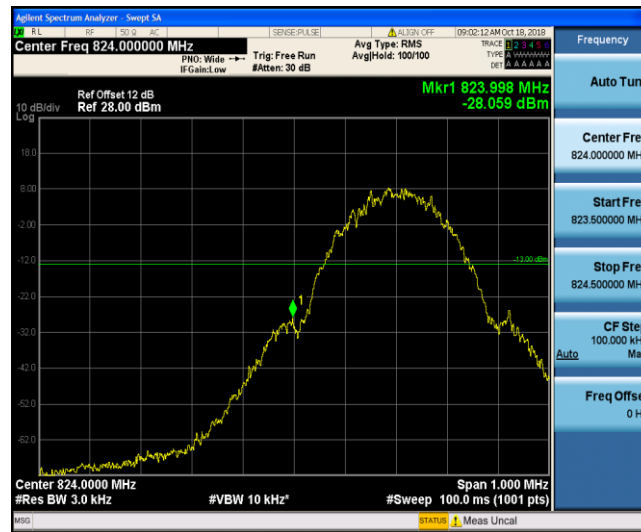
#### 8.4 Appendix D: Band Edge

##### Test Result

| Band      | Channel | Value(dBm) | Limit(dBm) | Verdict |
|-----------|---------|------------|------------|---------|
| GSM850    | 128     | -28.06     | -13        | PASS    |
| GSM850    | 251     | -26.19     | -13        | PASS    |
| GPRS850   | 128     | -27.70     | -13        | PASS    |
| GPRS850   | 251     | -27.41     | -13        | PASS    |
| EGPRS850  | 128     | -34.31     | -13        | PASS    |
| EGPRS850  | 251     | -35.03     | -13        | PASS    |
| GSM1900   | 512     | -30.79     | -13        | PASS    |
| GSM1900   | 810     | -31.38     | -13        | PASS    |
| GPRS1900  | 512     | -32.87     | -13        | PASS    |
| GPRS1900  | 810     | -31.61     | -13        | PASS    |
| EGPRS1900 | 512     | -34.90     | -13        | PASS    |
| EGPRS1900 | 810     | -34.50     | -13        | PASS    |



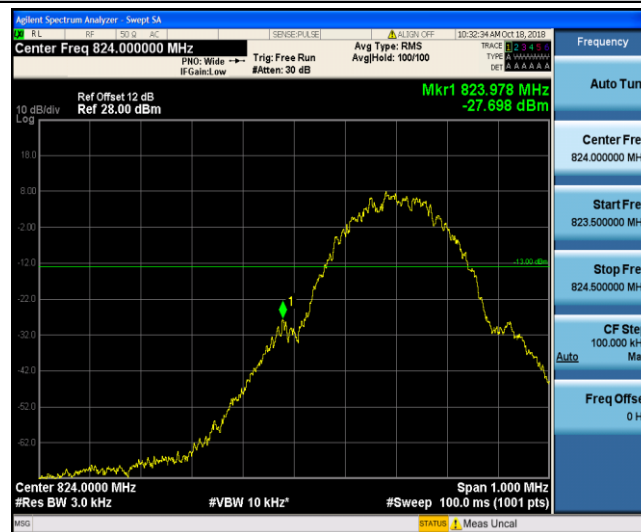
## Test Graphs



GSM850\_128



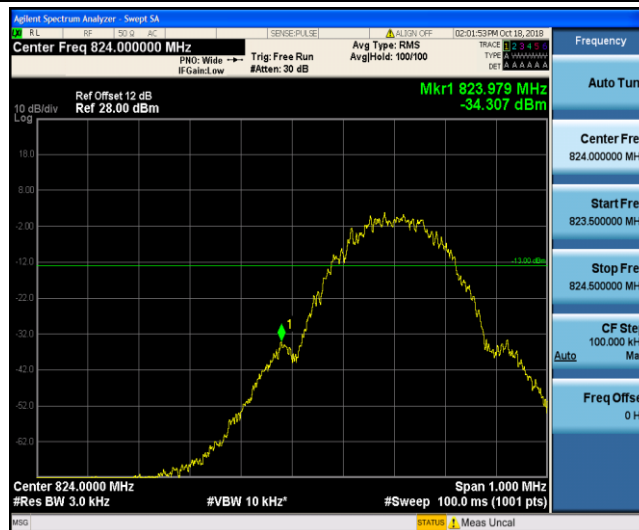
GSM850\_251



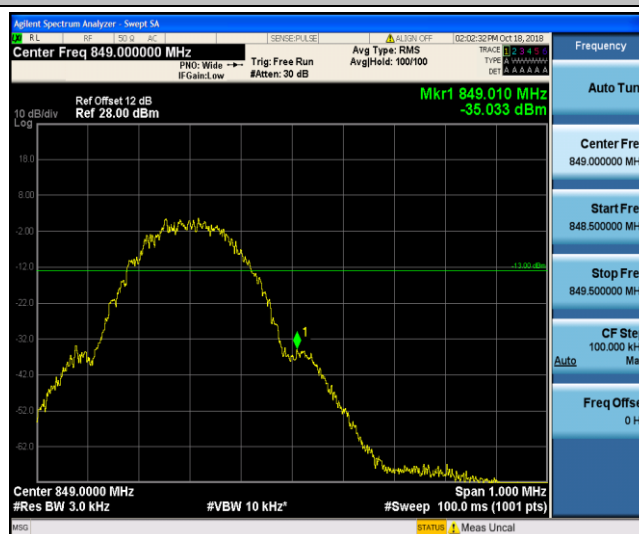
GPRS850\_128



## GPRS850\_251



## EGPRS850\_128



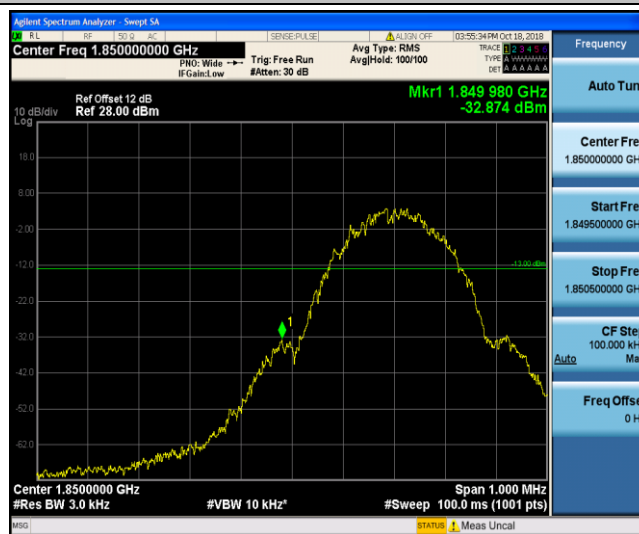
## EGPRS850\_251



GSM1900\_512



GSM1900\_810



GPRS1900\_512