

**8.1 Appendix A: Conducted Output Power**

## Test Result

| Band    | Channel | PCL | Power(dBm) | Limit(dBm) | Verdict |
|---------|---------|-----|------------|------------|---------|
| GSM850  | 128     | 5   | 34.36      | 38.5       | PASS    |
| GSM850  | 190     | 5   | 34.46      | 38.5       | PASS    |
| GSM850  | 251     | 5   | 34.50      | 38.5       | PASS    |
| GSM1900 | 512     | 0   | 31.28      | 33         | PASS    |
| GSM1900 | 661     | 0   | 31.14      | 33         | PASS    |
| GSM1900 | 810     | 0   | 31.12      | 33         | PASS    |



| Band     | Channel | PCL | Slot | Power(dBm) | Limit(dBm) | Verdict |
|----------|---------|-----|------|------------|------------|---------|
| GPRS850  | 128     | 5   | 1    | 34.09      | 38.5       | PASS    |
| GPRS850  | 128     | 5   | 2    | 33.76      | 38.5       | PASS    |
| GPRS850  | 128     | 5   | 3    | 32.38      | 38.5       | PASS    |
| GPRS850  | 128     | 5   | 4    | 29.88      | 38.5       | PASS    |
| GPRS850  | 190     | 5   | 1    | 34.17      | 38.5       | PASS    |
| GPRS850  | 190     | 5   | 2    | 33.59      | 38.5       | PASS    |
| GPRS850  | 190     | 5   | 3    | 32.45      | 38.5       | PASS    |
| GPRS850  | 190     | 5   | 4    | 29.92      | 38.5       | PASS    |
| GPRS850  | 251     | 5   | 1    | 34.19      | 38.5       | PASS    |
| GPRS850  | 251     | 5   | 2    | 33.79      | 38.5       | PASS    |
| GPRS850  | 251     | 5   | 3    | 32.21      | 38.5       | PASS    |
| GPRS850  | 251     | 5   | 4    | 29.84      | 38.5       | PASS    |
| GPRS1900 | 512     | 0   | 1    | 31.05      | 33         | PASS    |
| GPRS1900 | 512     | 0   | 2    | 30.80      | 33         | PASS    |
| GPRS1900 | 512     | 0   | 3    | 29.74      | 33         | PASS    |
| GPRS1900 | 512     | 0   | 4    | 28.05      | 33         | PASS    |
| GPRS1900 | 661     | 0   | 1    | 30.92      | 33         | PASS    |
| GPRS1900 | 661     | 0   | 2    | 30.59      | 33         | PASS    |
| GPRS1900 | 661     | 0   | 3    | 29.62      | 33         | PASS    |
| GPRS1900 | 661     | 0   | 4    | 27.66      | 33         | PASS    |
| GPRS1900 | 810     | 0   | 1    | 30.91      | 33         | PASS    |
| GPRS1900 | 810     | 0   | 2    | 30.60      | 33         | PASS    |
| GPRS1900 | 810     | 0   | 3    | 29.15      | 33         | PASS    |
| GPRS1900 | 810     | 0   | 4    | 27.16      | 33         | PASS    |



| Band      | Channel | PCL | Slot | Power(dBm) | Limit(dBm) | Verdict |
|-----------|---------|-----|------|------------|------------|---------|
| EGPRS850  | 128     | 8   | 1    | 28.03      | 38.5       | PASS    |
| EGPRS850  | 128     | 8   | 2    | 28.10      | 38.5       | PASS    |
| EGPRS850  | 128     | 8   | 3    | 28.06      | 38.5       | PASS    |
| EGPRS850  | 128     | 8   | 4    | 27.98      | 38.5       | PASS    |
| EGPRS850  | 190     | 8   | 1    | 28.07      | 38.5       | PASS    |
| EGPRS850  | 190     | 8   | 2    | 28.12      | 38.5       | PASS    |
| EGPRS850  | 190     | 8   | 3    | 28.09      | 38.5       | PASS    |
| EGPRS850  | 190     | 8   | 4    | 27.99      | 38.5       | PASS    |
| EGPRS850  | 251     | 8   | 1    | 27.93      | 38.5       | PASS    |
| EGPRS850  | 251     | 8   | 2    | 27.99      | 38.5       | PASS    |
| EGPRS850  | 251     | 8   | 3    | 27.94      | 38.5       | PASS    |
| EGPRS850  | 251     | 8   | 4    | 27.85      | 38.5       | PASS    |
| EGPRS1900 | 512     | 2   | 1    | 28.18      | 33         | PASS    |
| EGPRS1900 | 512     | 2   | 2    | 28.22      | 33         | PASS    |
| EGPRS1900 | 512     | 2   | 3    | 28.16      | 33         | PASS    |
| EGPRS1900 | 512     | 2   | 4    | 28.07      | 33         | PASS    |
| EGPRS1900 | 661     | 2   | 1    | 27.77      | 33         | PASS    |
| EGPRS1900 | 661     | 2   | 2    | 27.82      | 33         | PASS    |
| EGPRS1900 | 661     | 2   | 3    | 27.78      | 33         | PASS    |
| EGPRS1900 | 661     | 2   | 4    | 27.69      | 33         | PASS    |
| EGPRS1900 | 810     | 2   | 1    | 27.26      | 33         | PASS    |
| EGPRS1900 | 810     | 2   | 2    | 27.33      | 33         | PASS    |
| EGPRS1900 | 810     | 2   | 3    | 27.27      | 33         | PASS    |
| EGPRS1900 | 810     | 2   | 4    | 27.17      | 33         | PASS    |



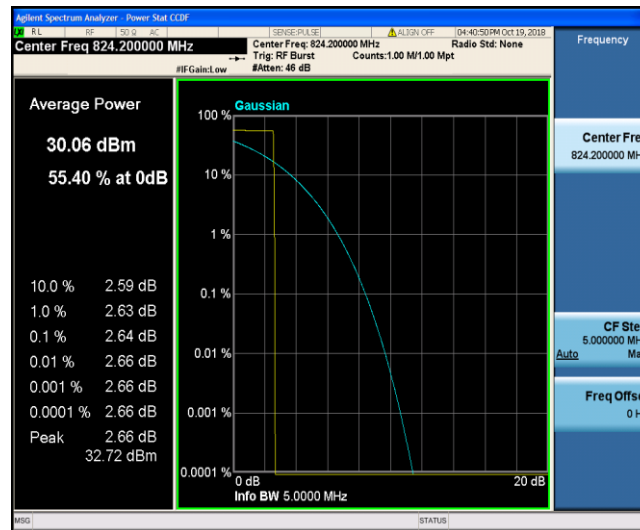
## 8.2 Appendix B: Peak-to-Average Ratio

### Test Result

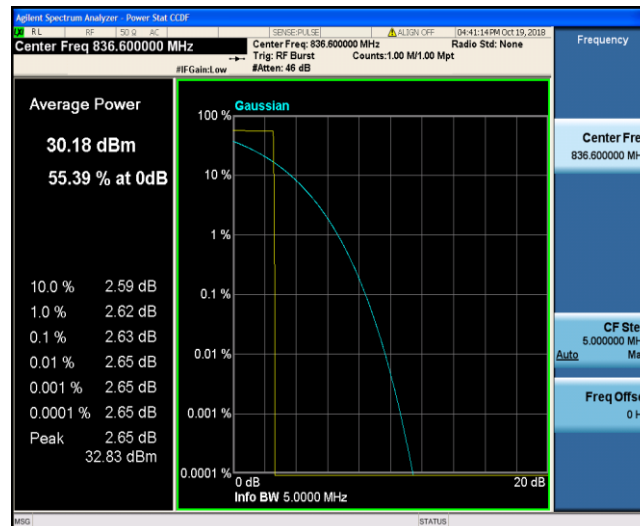
| Band      | Channel | Peak-to-Average Ratio(dB) | Limit(dB) | Verdict |
|-----------|---------|---------------------------|-----------|---------|
| GSM850    | 128     | 2.64                      | 13        | PASS    |
| GSM850    | 190     | 2.63                      | 13        | PASS    |
| GSM850    | 251     | 2.64                      | 13        | PASS    |
| GPRS850   | 128     | 2.64                      | 13        | PASS    |
| GPRS850   | 190     | 2.63                      | 13        | PASS    |
| GPRS850   | 251     | 2.63                      | 13        | PASS    |
| EGPRS850  | 128     | 2.63                      | 13        | PASS    |
| EGPRS850  | 190     | 2.63                      | 13        | PASS    |
| EGPRS850  | 251     | 2.63                      | 13        | PASS    |
| GSM1900   | 512     | 2.62                      | 13        | PASS    |
| GSM1900   | 661     | 2.62                      | 13        | PASS    |
| GSM1900   | 810     | 2.63                      | 13        | PASS    |
| GPRS1900  | 512     | 2.63                      | 13        | PASS    |
| GPRS1900  | 661     | 2.63                      | 13        | PASS    |
| GPRS1900  | 810     | 2.63                      | 13        | PASS    |
| EGPRS1900 | 512     | 2.64                      | 13        | PASS    |
| EGPRS1900 | 661     | 2.64                      | 13        | PASS    |
| EGPRS1900 | 810     | 2.64                      | 13        | PASS    |



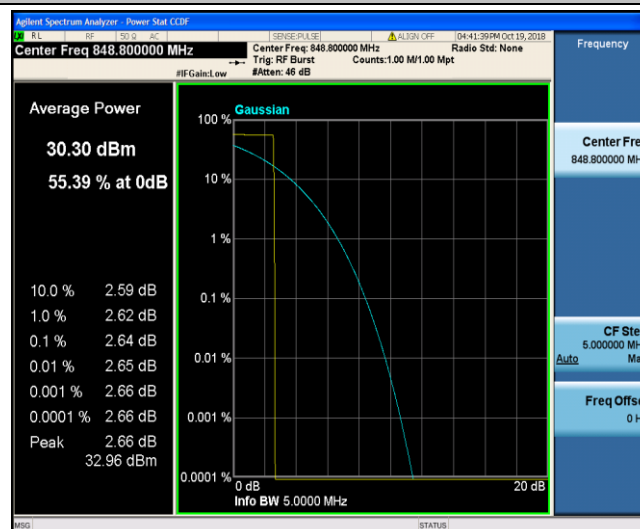
## Test Graphs



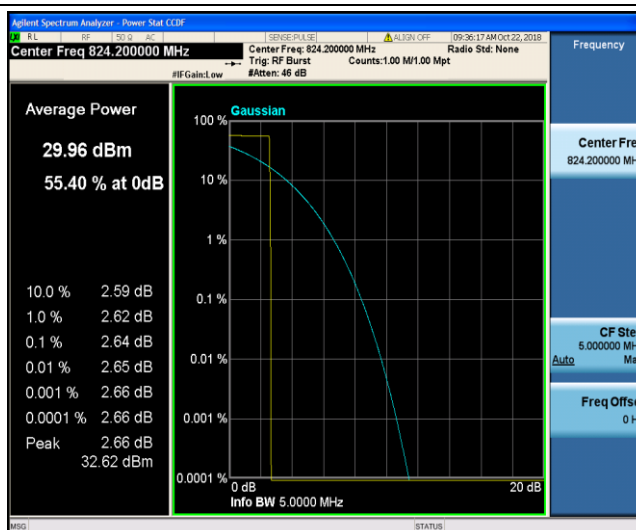
GSM850\_128



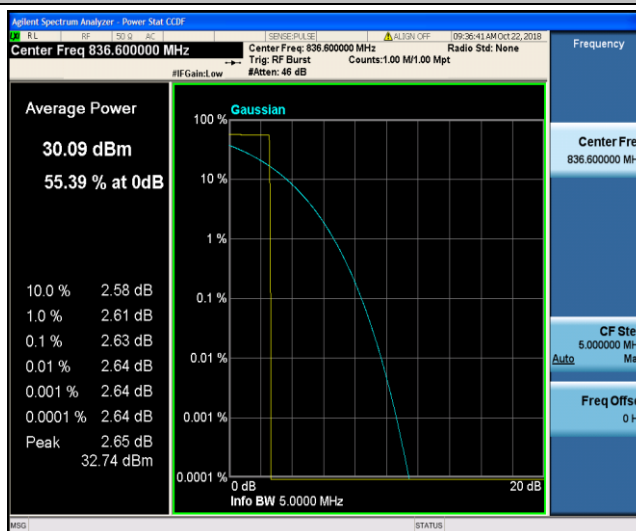
GSM850\_190



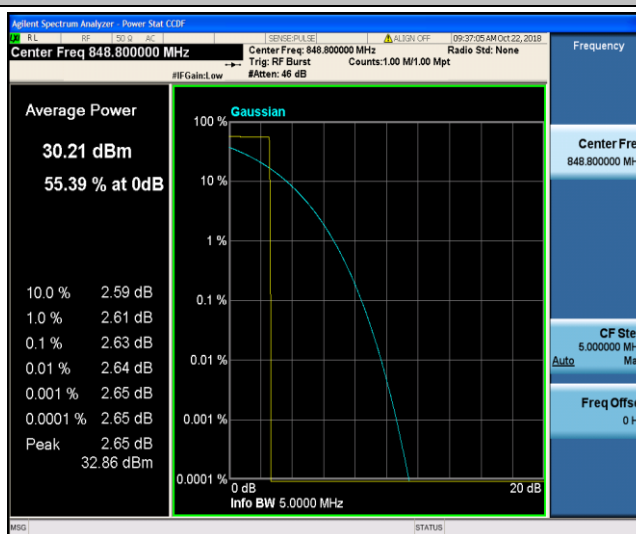
GSM850\_251



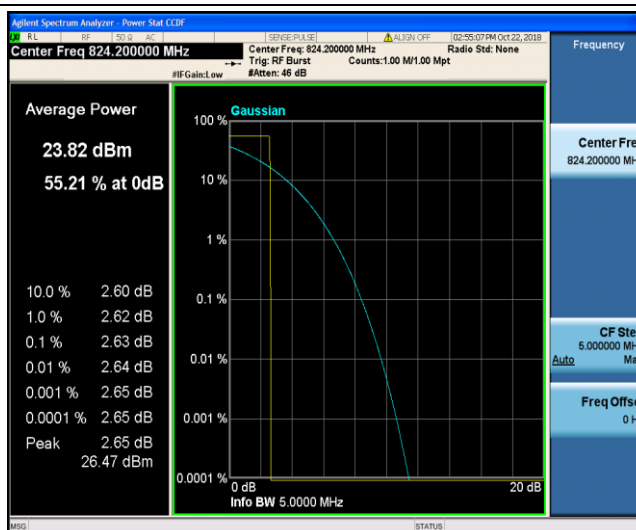
GPRS850\_128



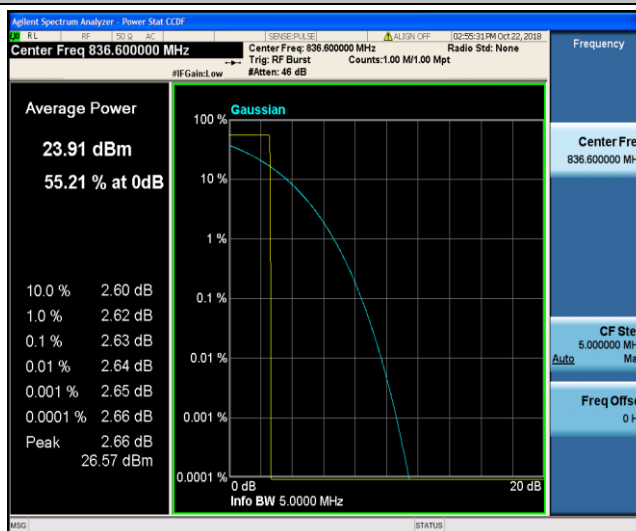
GPRS850\_190



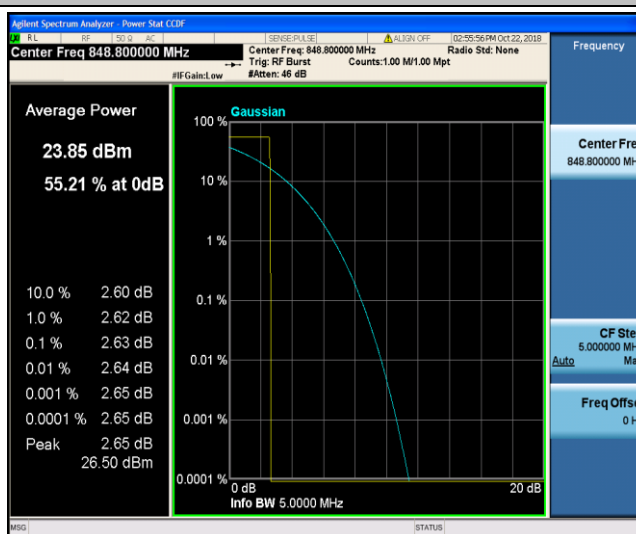
GPRS850\_251



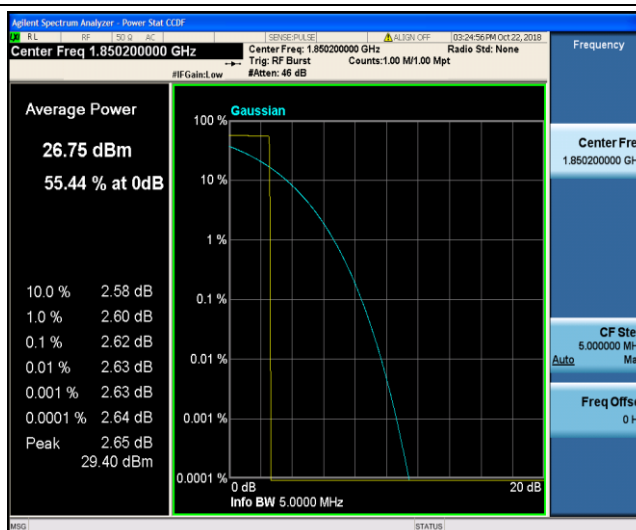
EGPRS850\_128



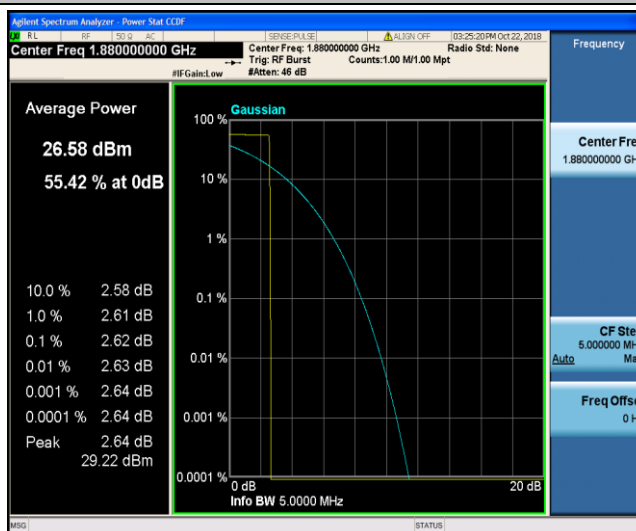
EGPRS850\_190



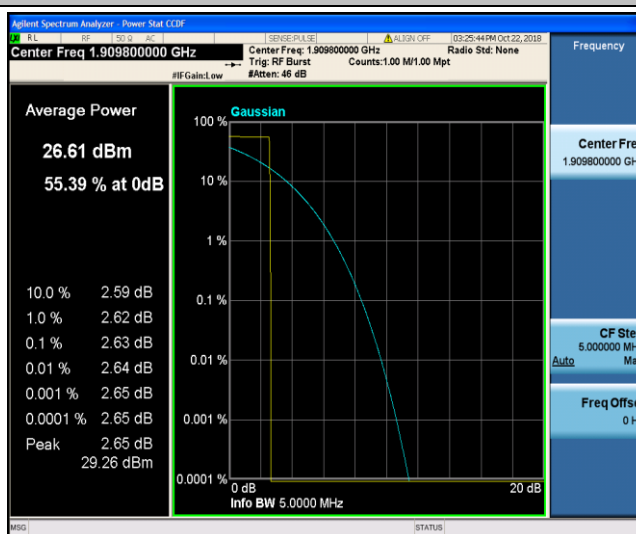
EGPRS850\_251



GSM1900\_512

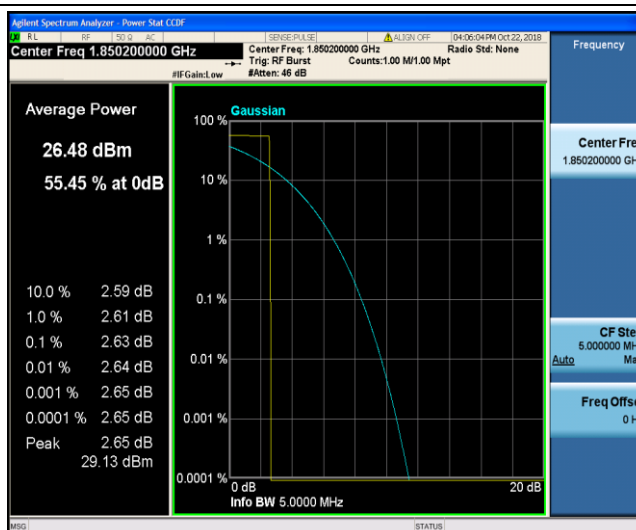


GSM1900\_661

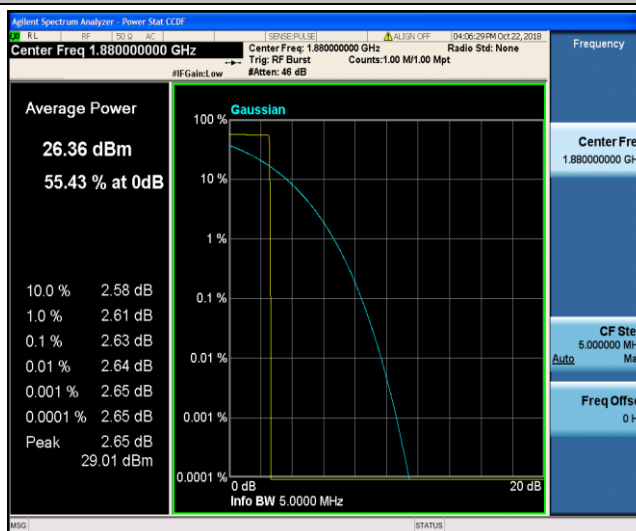


GSM1900\_810

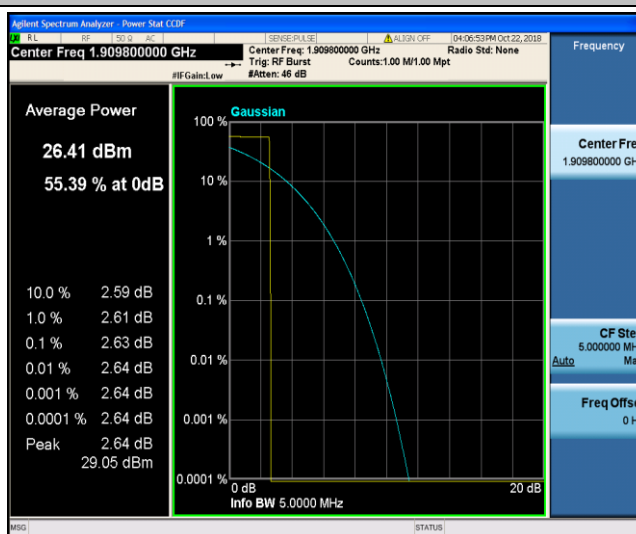




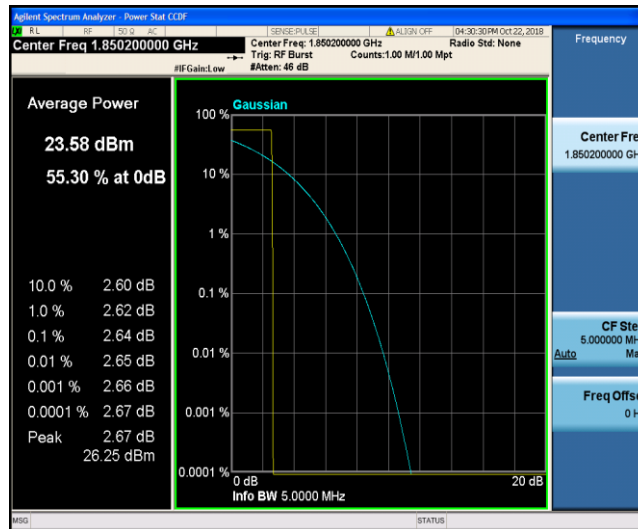
GPRS1900\_512



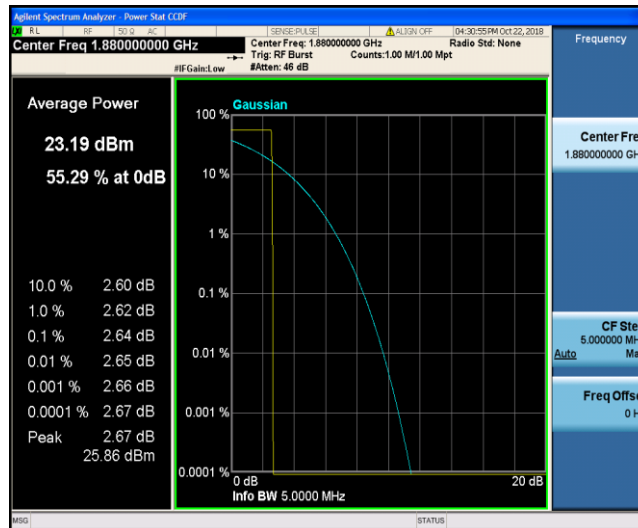
GPRS1900\_661



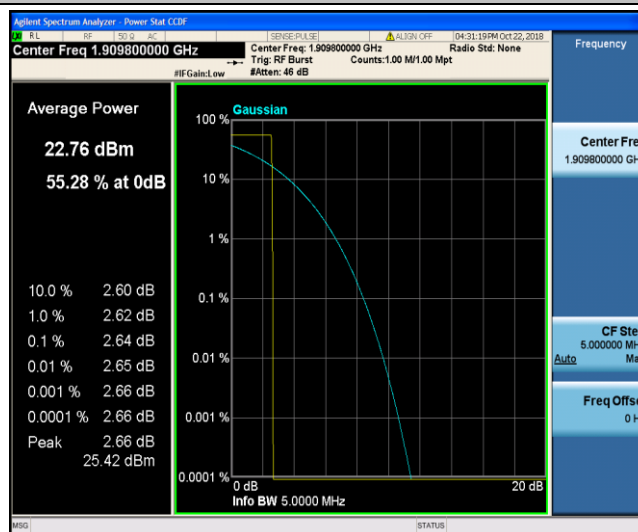
GPRS1900\_810



EGPRS1900\_512



EGPRS1900\_661



EGPRS1900\_810



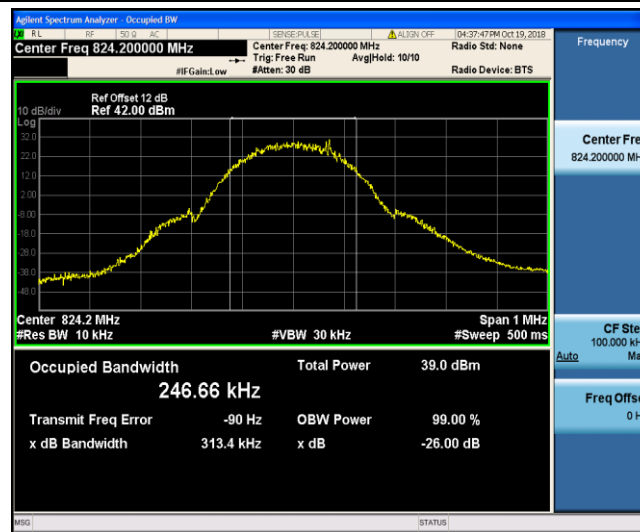
### 8.3 Appendix C: 26dB Bandwidth and Occupied Bandwidth

#### Test Result

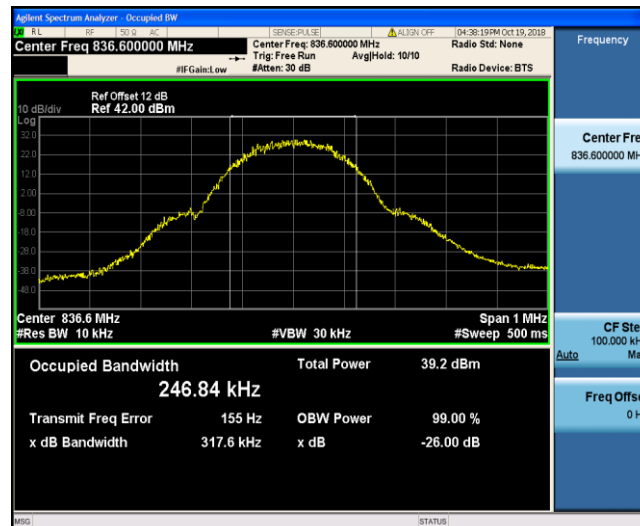
| Band      | Channel | Occupied Bandwidth<br>(kHz) | 26dB Bandwidth<br>(kHz) | Limit(kHz) | Verdict |
|-----------|---------|-----------------------------|-------------------------|------------|---------|
| GSM850    | 128     | 246.66                      | 313.4                   | ---        | PASS    |
| GSM850    | 190     | 246.84                      | 317.6                   | ---        | PASS    |
| GSM850    | 251     | 246.71                      | 314.0                   | ---        | PASS    |
| GPRS850   | 128     | 246.44                      | 318.5                   | ---        | PASS    |
| GPRS850   | 190     | 244.92                      | 317.9                   | ---        | PASS    |
| GPRS850   | 251     | 246.45                      | 319.9                   | ---        | PASS    |
| EGPRS850  | 128     | 244.87                      | 318.8                   | ---        | PASS    |
| EGPRS850  | 190     | 244.85                      | 316.8                   | ---        | PASS    |
| EGPRS850  | 251     | 244.40                      | 316.7                   | ---        | PASS    |
| GSM1900   | 512     | 245.38                      | 312.0                   | ---        | PASS    |
| GSM1900   | 661     | 249.05                      | 317.1                   | ---        | PASS    |
| GSM1900   | 810     | 246.24                      | 316.6                   | ---        | PASS    |
| GPRS1900  | 512     | 246.49                      | 314.0                   | ---        | PASS    |
| GPRS1900  | 661     | 245.73                      | 315.1                   | ---        | PASS    |
| GPRS1900  | 810     | 247.61                      | 315.7                   | ---        | PASS    |
| EGPRS1900 | 512     | 246.33                      | 316.4                   | ---        | PASS    |
| EGPRS1900 | 661     | 247.12                      | 316.3                   | ---        | PASS    |
| EGPRS1900 | 810     | 245.84                      | 314.3                   | ---        | PASS    |



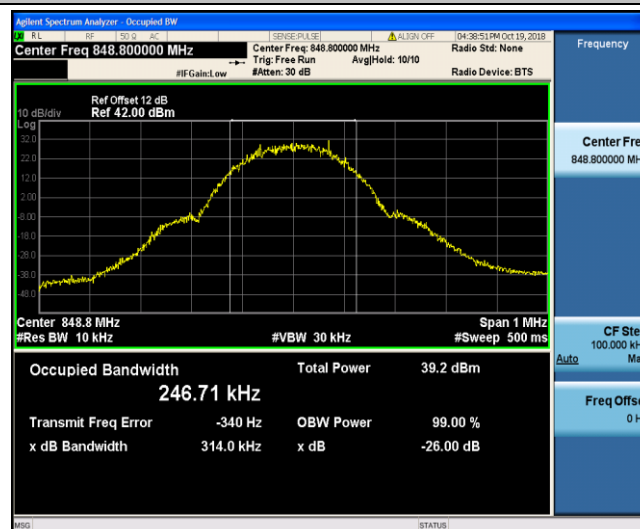
## Test Graphs



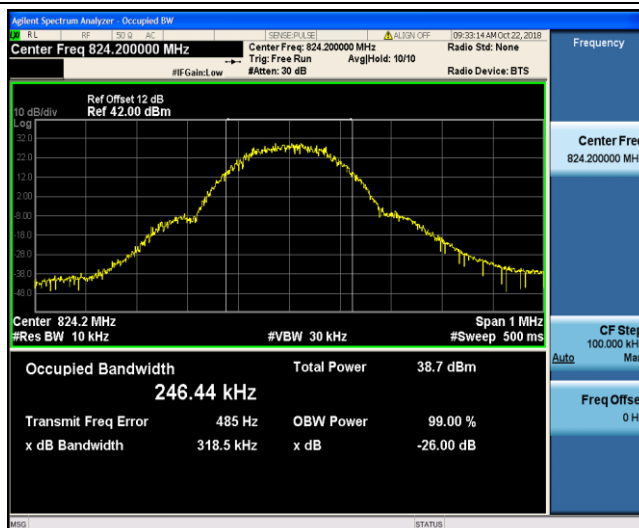
GSM850\_128



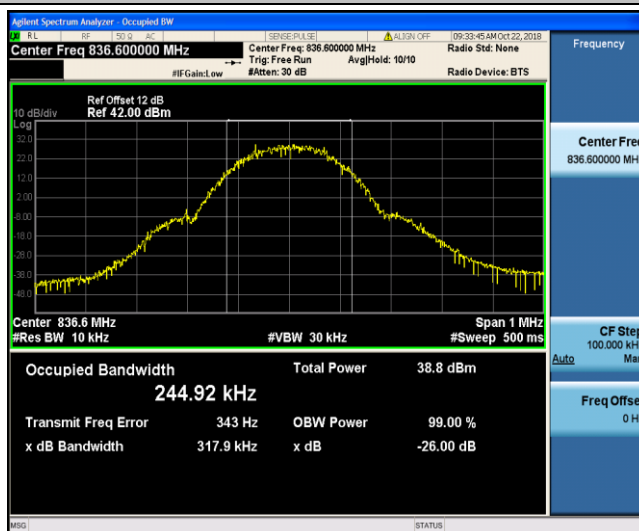
GSM850\_190



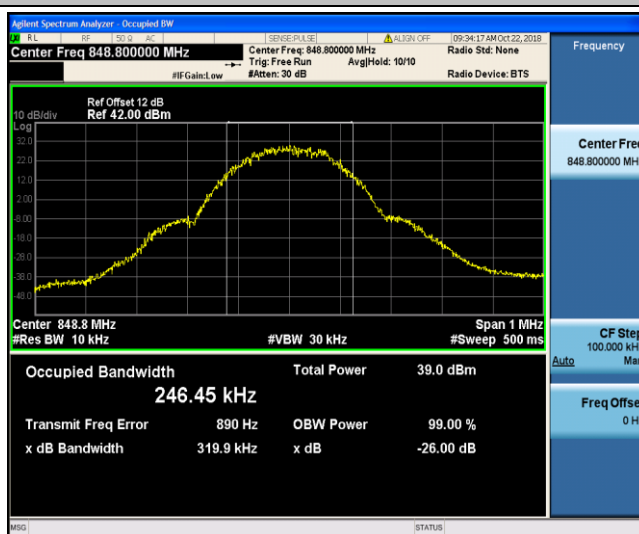
GSM850\_251



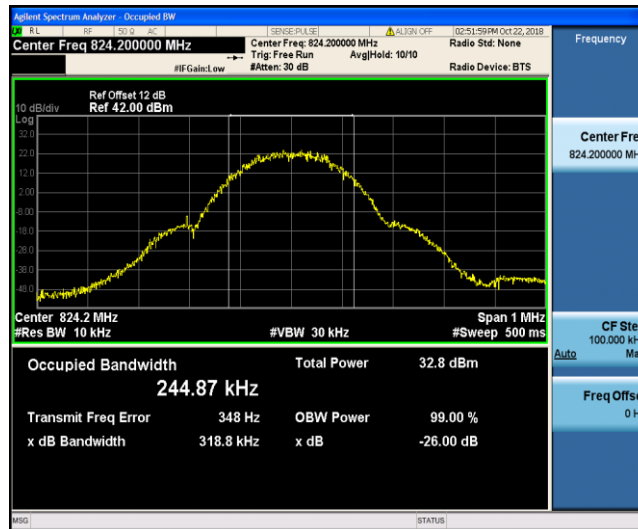
GPRS850\_128



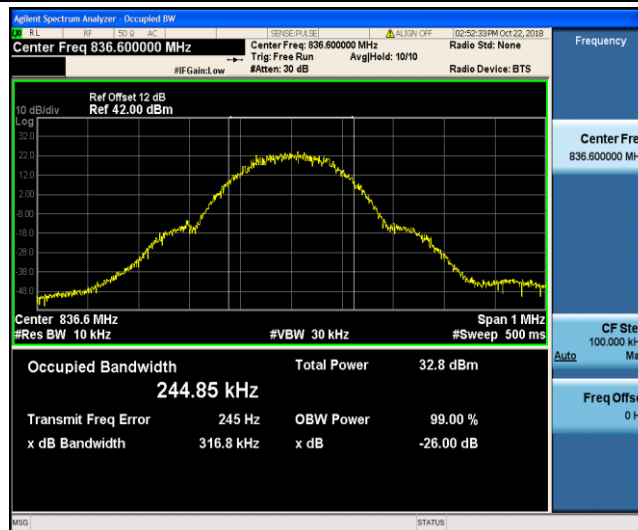
GPRS850\_190



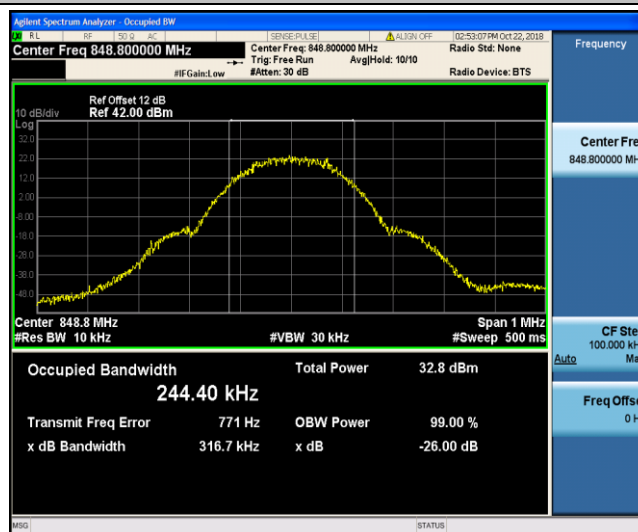
GPRS850\_251



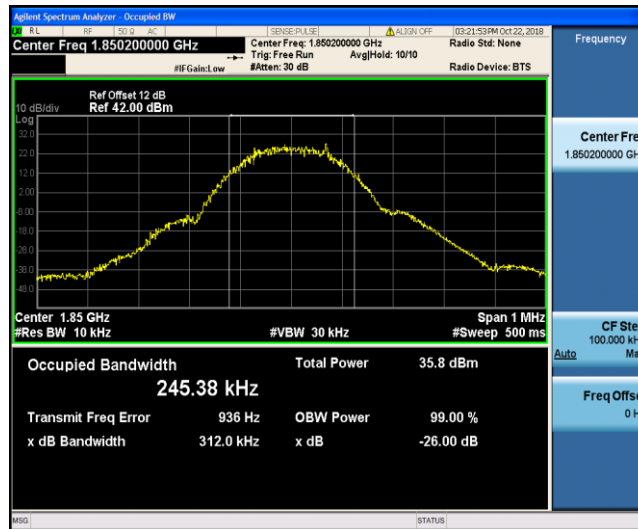
EGPRS850\_128



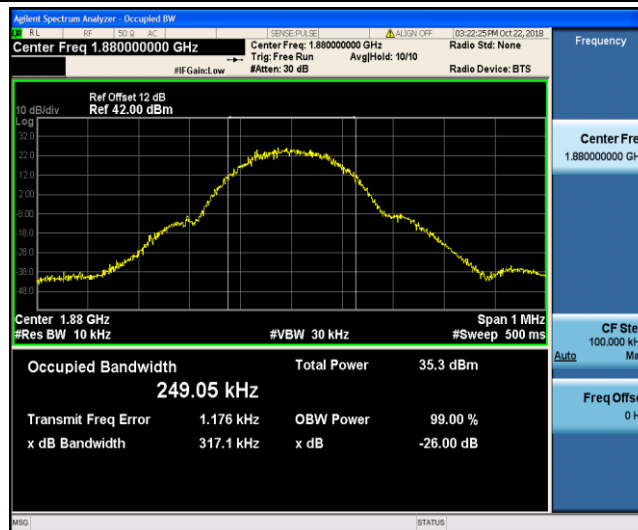
EGPRS850\_190



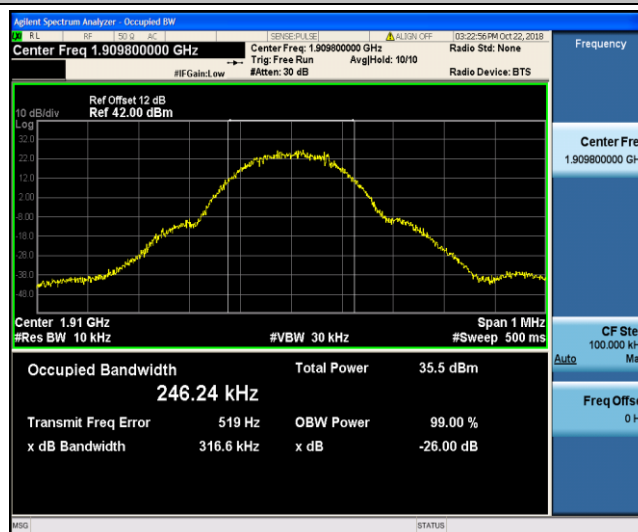
EGPRS850\_251



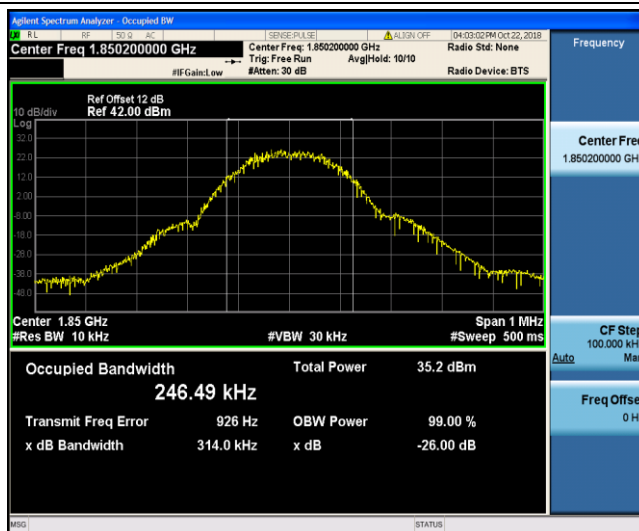
GSM1900\_512



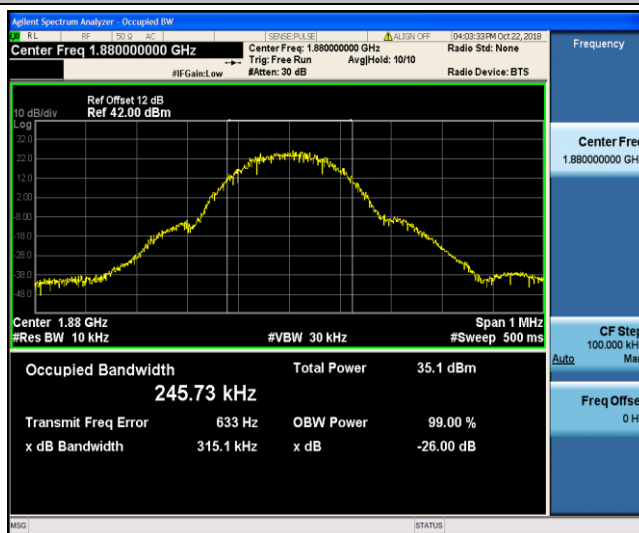
GSM1900\_661



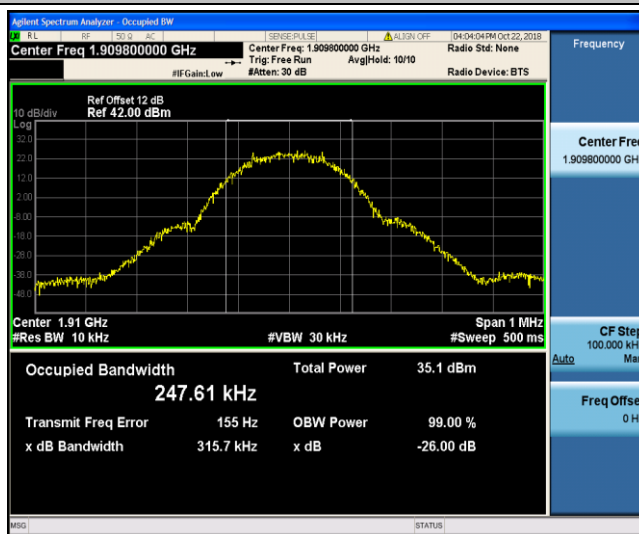
GSM1900\_810



GPRS1900\_512

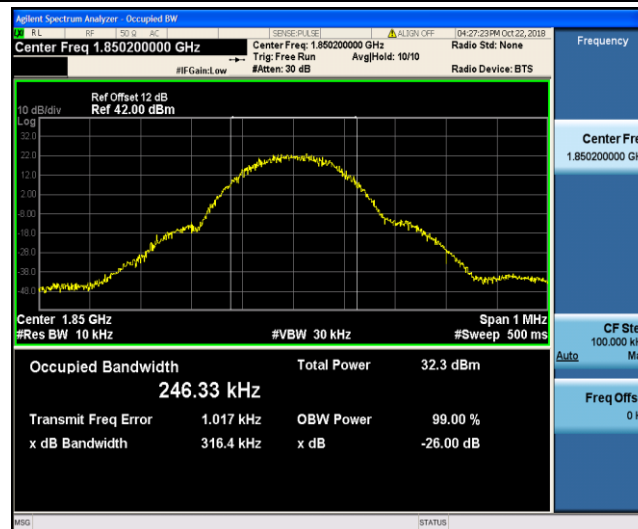


GPRS1900\_661

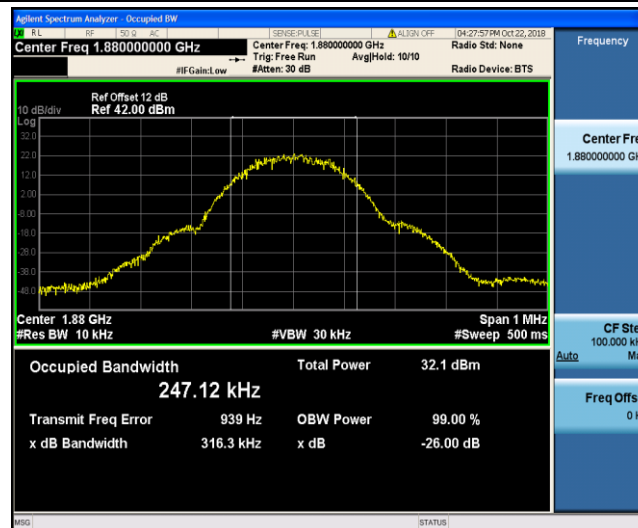


GPRS1900\_810

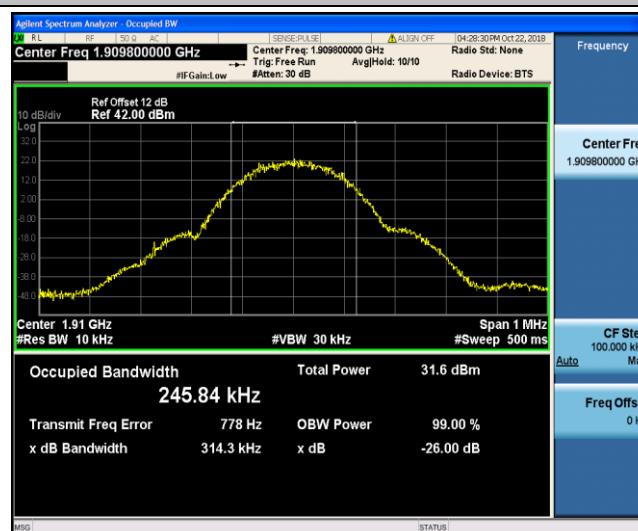




EGPRS1900\_512



EGPRS1900\_661



EGPRS1900\_810



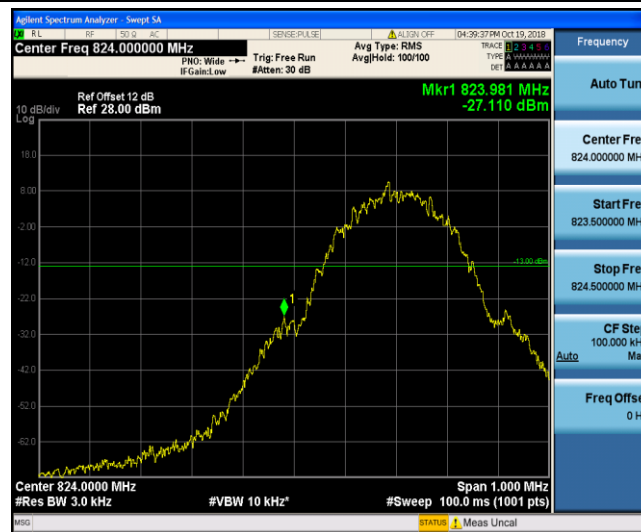
#### 8.4 Appendix D: Band Edge

##### Test Result

| Band      | Channel | Value(dBm) | Limit(dBm) | Verdict |
|-----------|---------|------------|------------|---------|
| GSM850    | 128     | -27.11     | -13        | PASS    |
| GSM850    | 251     | -26.00     | -13        | PASS    |
| GPRS850   | 128     | -26.88     | -13        | PASS    |
| GPRS850   | 251     | -25.19     | -13        | PASS    |
| EGPRS850  | 128     | -33.73     | -13        | PASS    |
| EGPRS850  | 251     | -33.02     | -13        | PASS    |
| GSM1900   | 512     | -30.59     | -13        | PASS    |
| GSM1900   | 810     | -29.14     | -13        | PASS    |
| GPRS1900  | 512     | -30.23     | -13        | PASS    |
| GPRS1900  | 810     | -30.27     | -13        | PASS    |
| EGPRS1900 | 512     | -34.01     | -13        | PASS    |
| EGPRS1900 | 810     | -34.32     | -13        | PASS    |



## Test Graphs



GSM850\_128



GSM850\_251



GPRS850\_128



GPRS850\_251



EGPRS850\_128



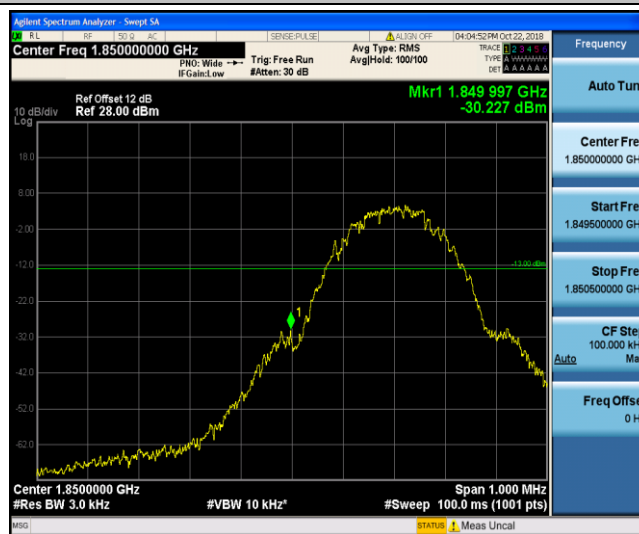
EGPRS850\_251



GSM1900\_512



GSM1900\_810



GPRS1900\_512