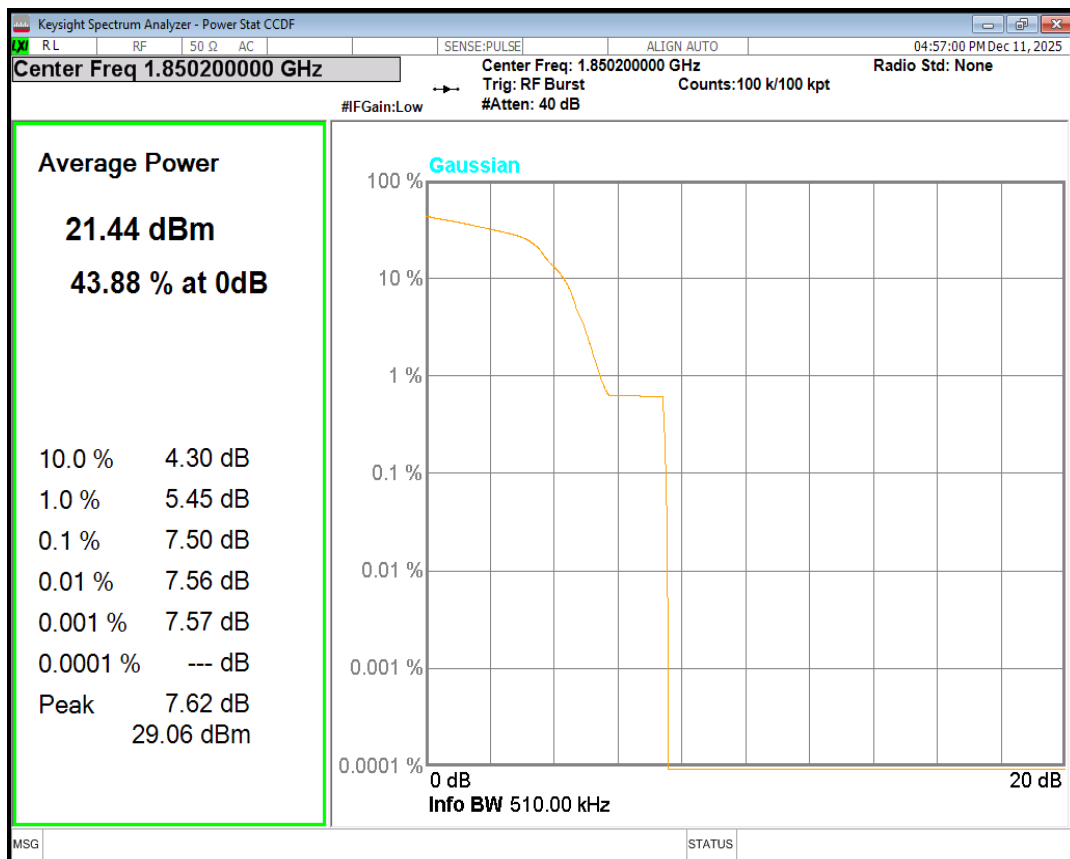


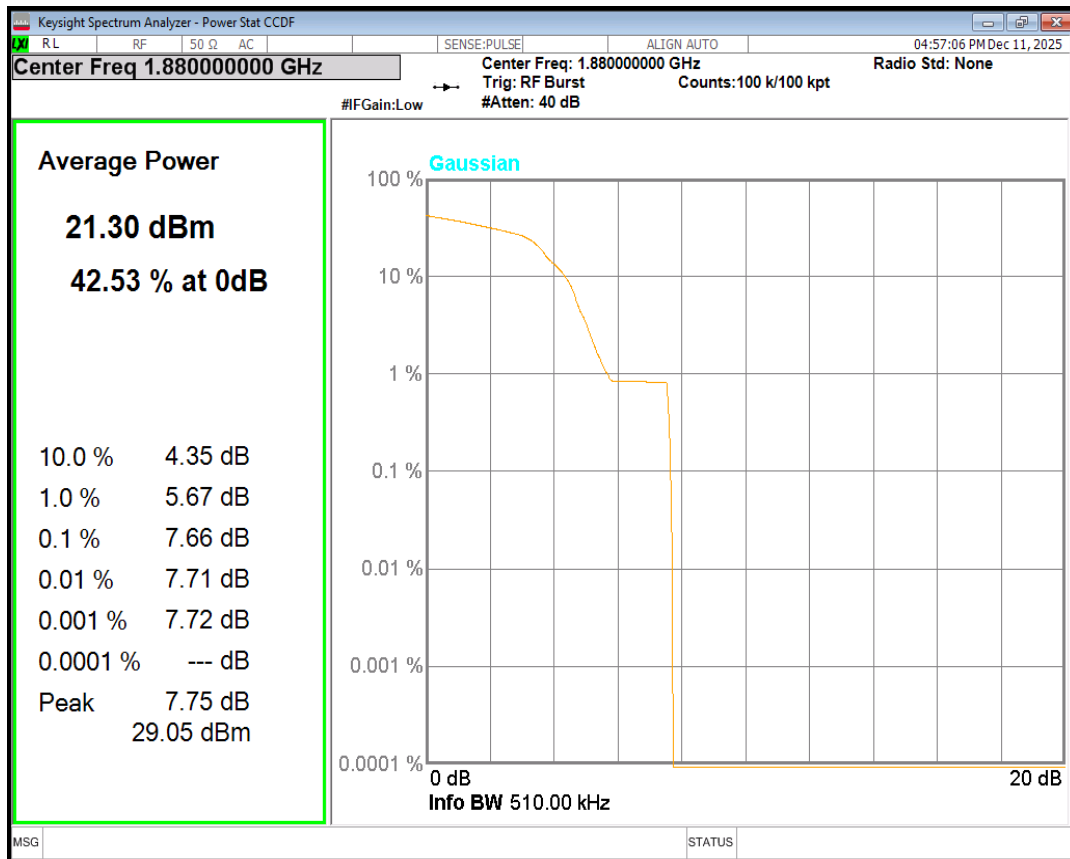
**15 Peak-to-Average Ratio**

| Band      | Channel | Frequency (MHz) | Result (dB) | high Limit (dB) | Verdict |
|-----------|---------|-----------------|-------------|-----------------|---------|
| EGPRS1900 | 512     | 1850.2          | 7.504       | 13.00           | PASS    |
| EGPRS1900 | 661     | 1880            | 7.658387097 | 13.00           | PASS    |
| EGPRS1900 | 810     | 1909.8          | 7.895555556 | 13.00           | PASS    |
| EGPRS850  | 128     | 824.2           | 9.124244604 | 13.00           | PASS    |
| EGPRS850  | 190     | 836.6           | 9.128942731 | 13.00           | PASS    |
| EGPRS850  | 251     | 848.8           | 9.379224806 | 13.00           | PASS    |

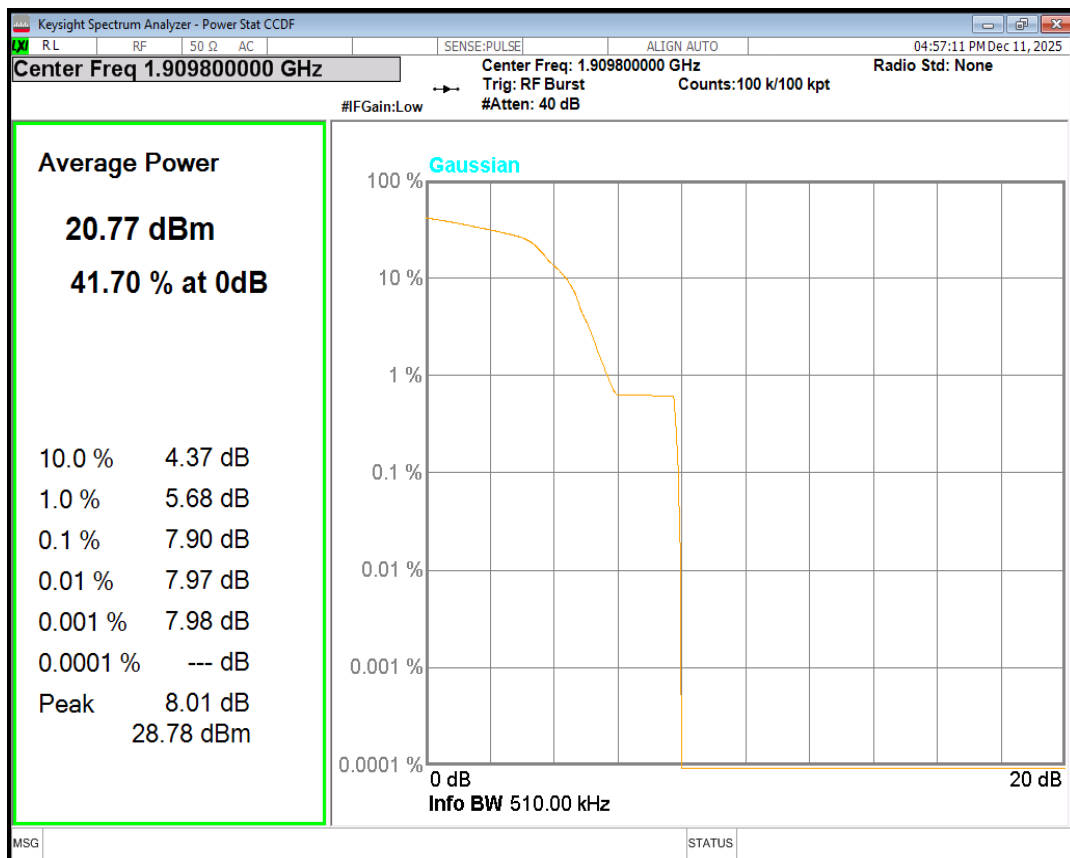
EGPRS1900 Channel=512



EGPRS1900 Channel=661



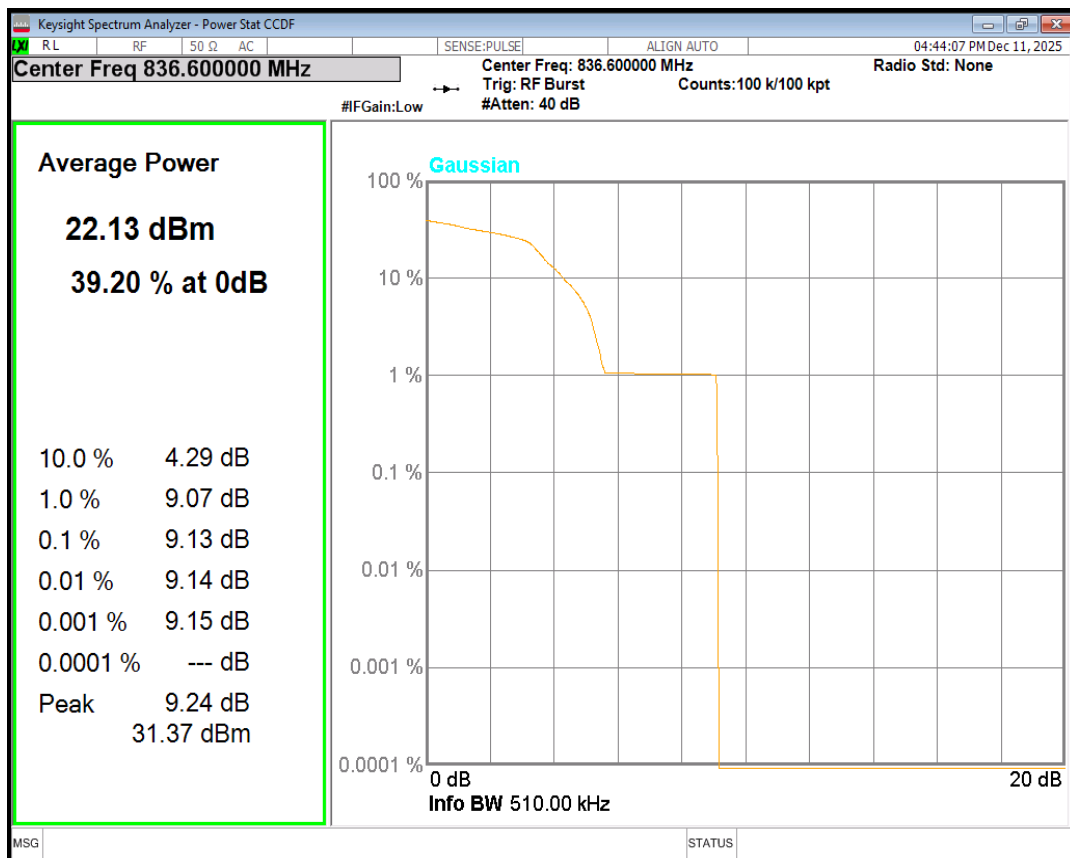
EGPRS1900 Channel=810



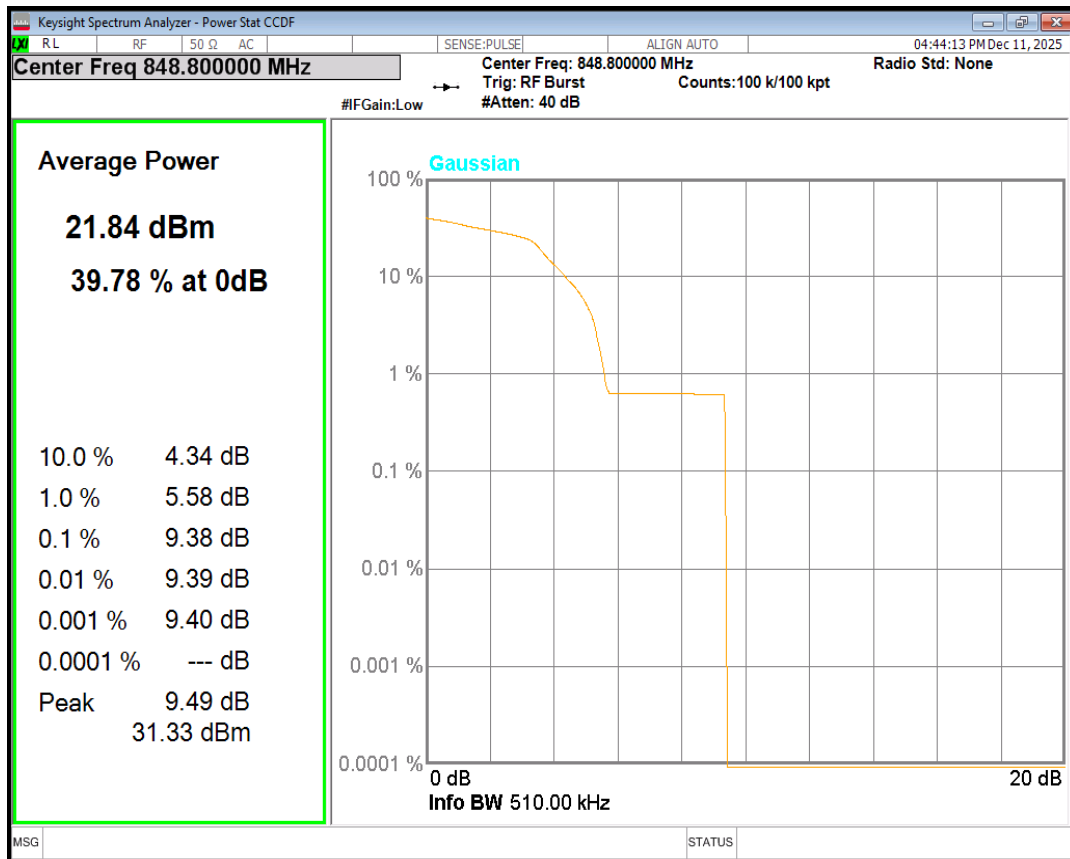
EGPRS850 Channel=128



EGPRS850 Channel=190



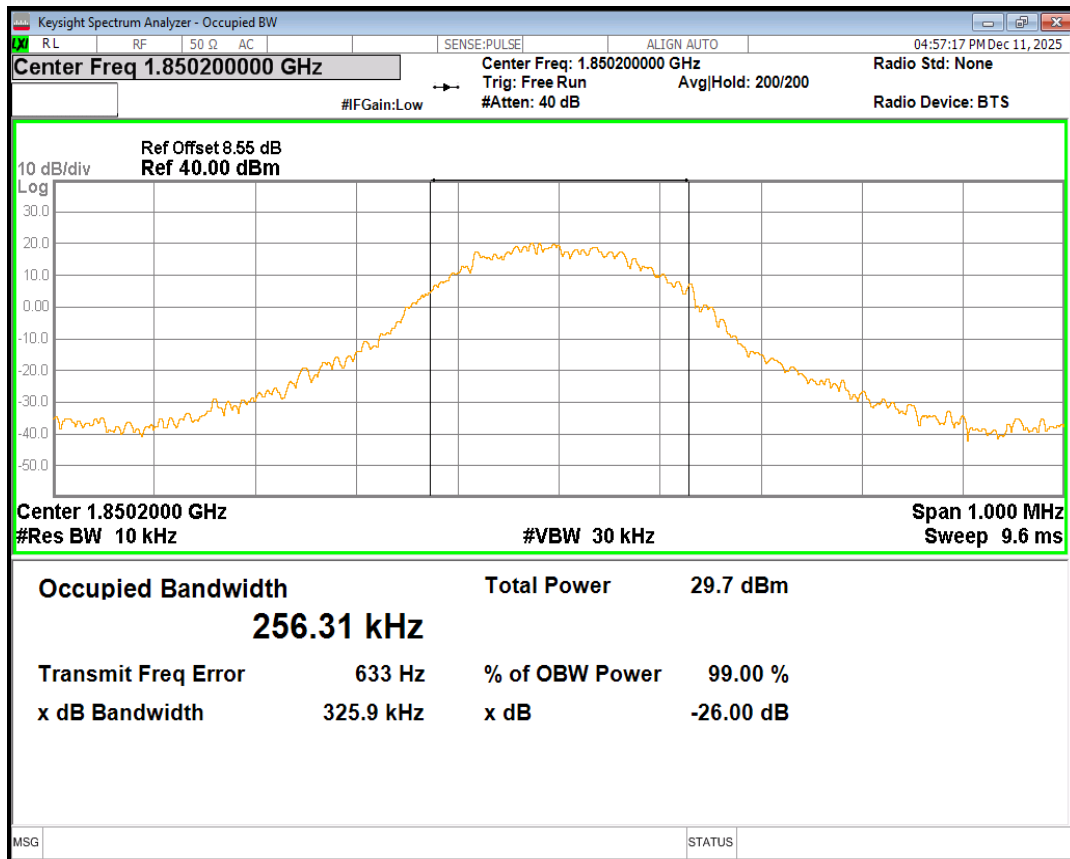
EGPRS850 Channel=251



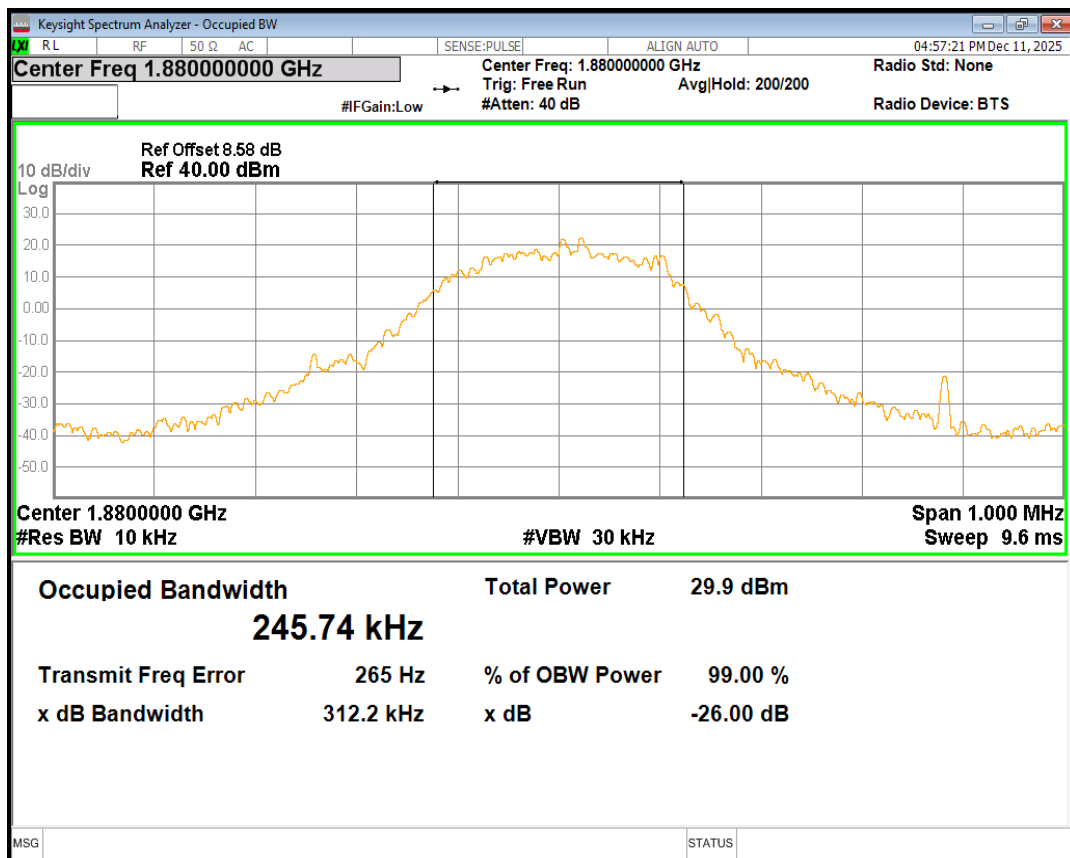
### 16 Occupied bandwidth

| Band      | Channel | Frequency (MHz) | 99% OBW (kHz) | -26dB EBW (kHz) | Verdict |
|-----------|---------|-----------------|---------------|-----------------|---------|
| EGPRS1900 | 512     | 1850.2          | 256.305       | 325.850         | PASS    |
| EGPRS1900 | 661     | 1880            | 245.740       | 312.222         | PASS    |
| EGPRS1900 | 810     | 1909.8          | 246.252       | 329.274         | PASS    |
| EGPRS850  | 128     | 824.2           | 238.313       | 305.205         | PASS    |
| EGPRS850  | 190     | 836.6           | 229.318       | 293.720         | PASS    |
| EGPRS850  | 251     | 848.8           | 235.219       | 318.856         | PASS    |

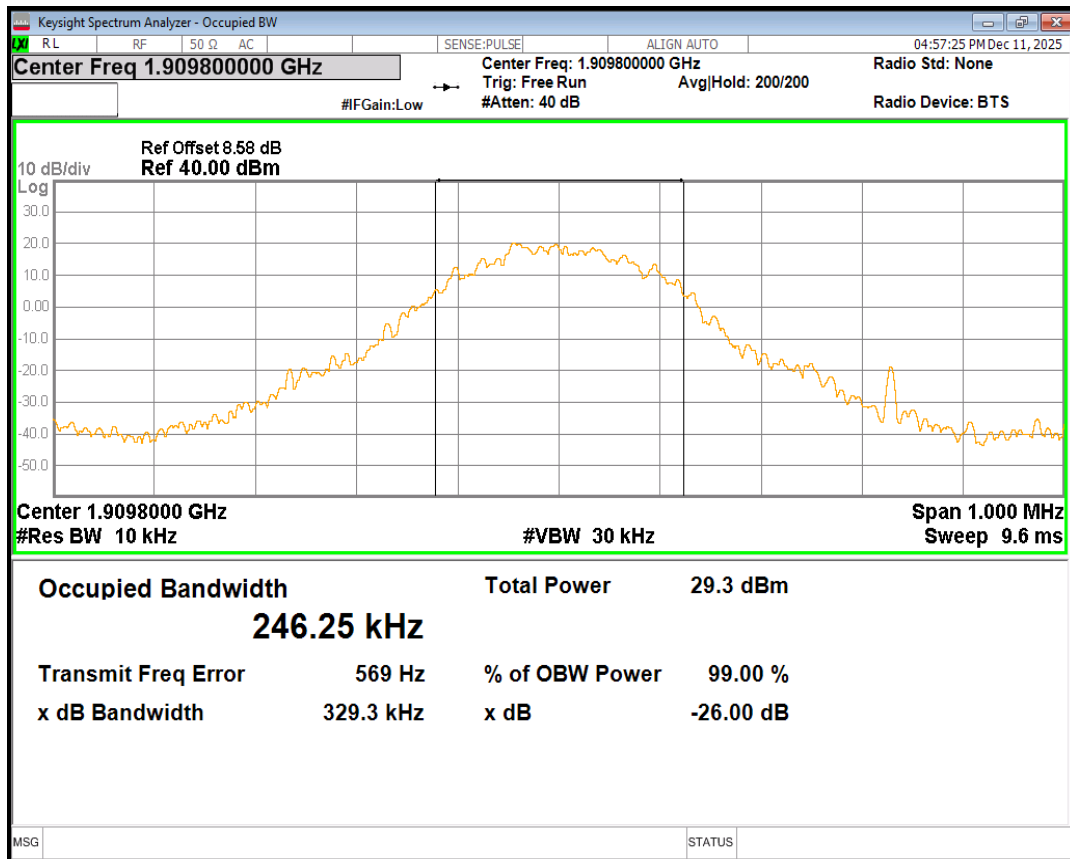
EGPRS1900 Channel=512



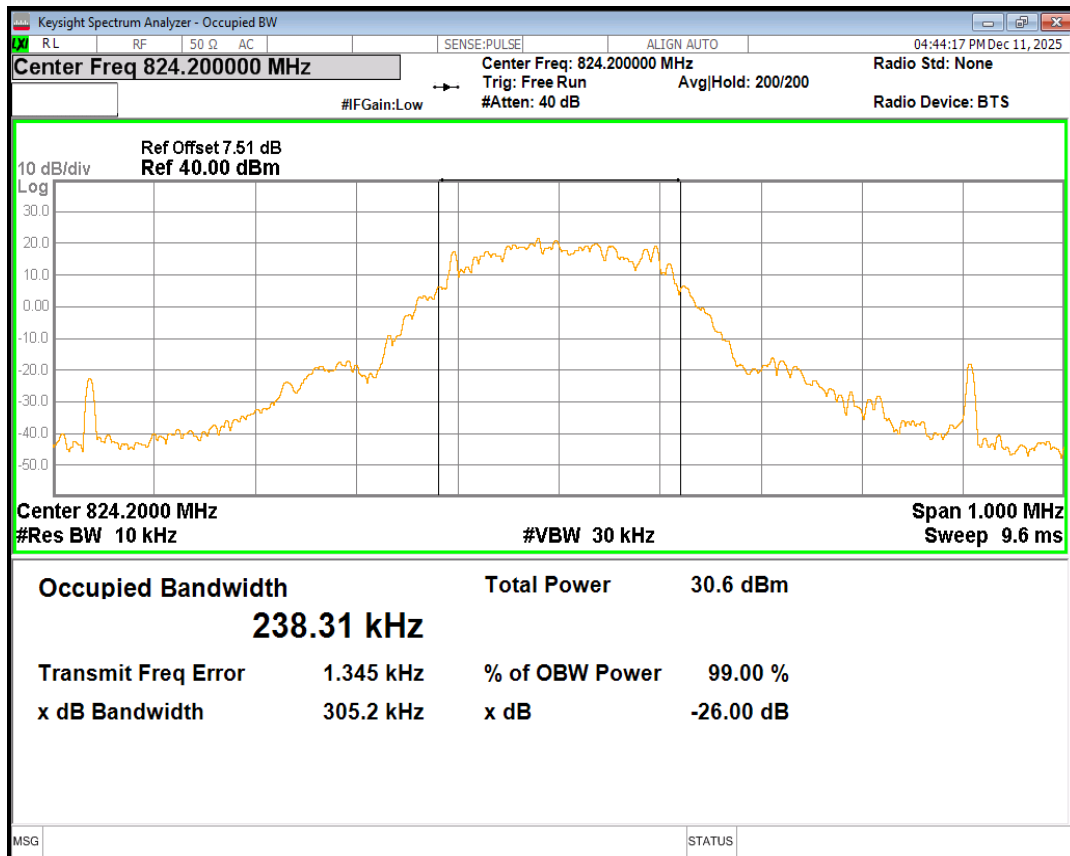
EGPRS1900 Channel=661



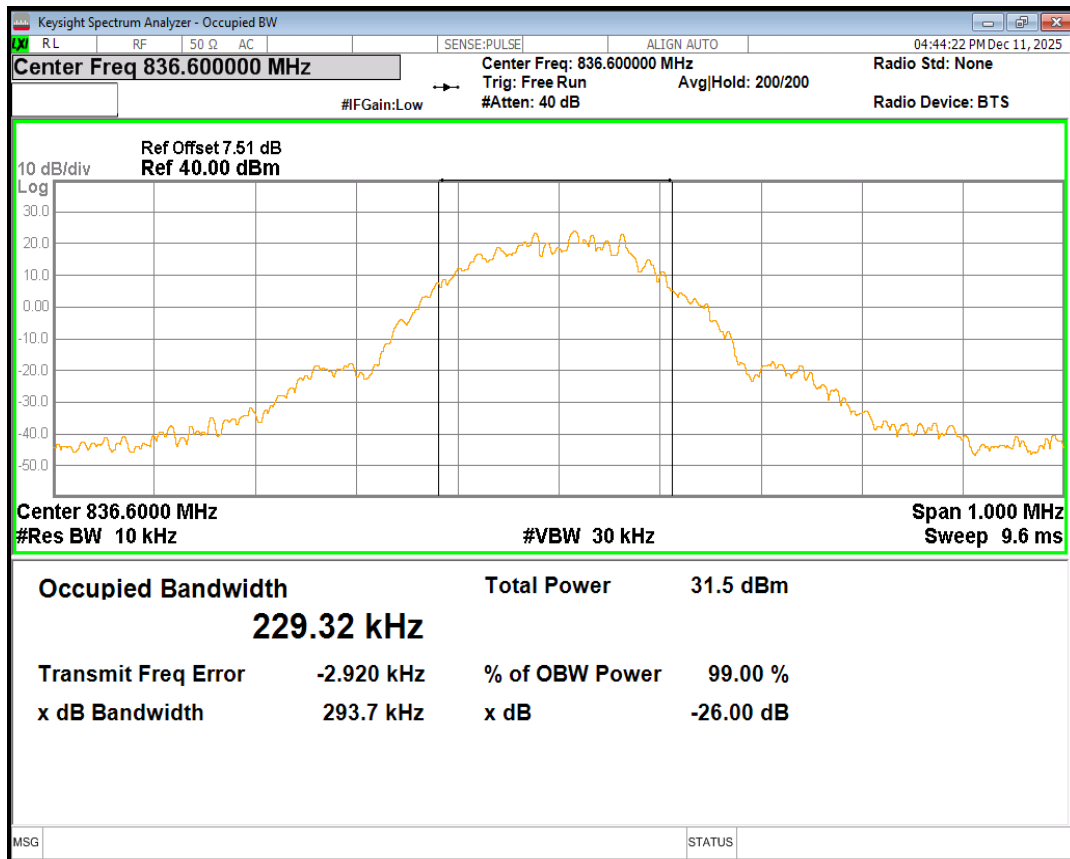
EGPRS1900 Channel=810



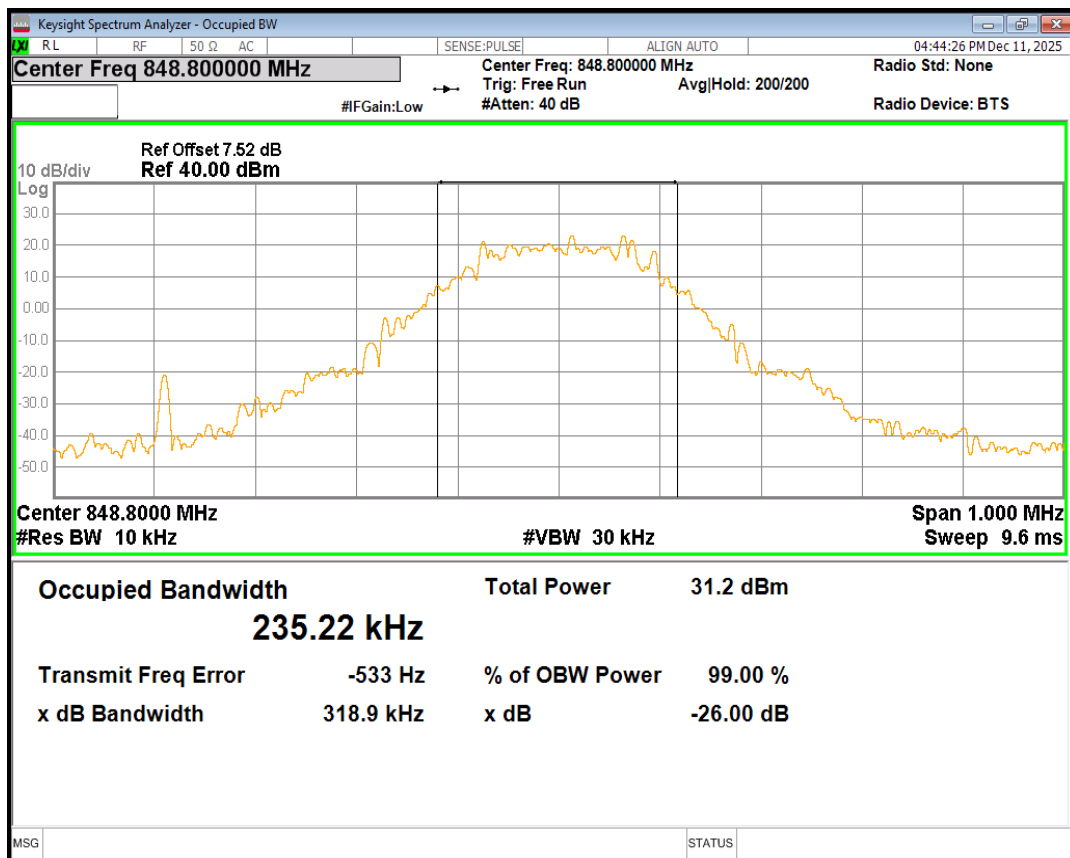
EGPRS850 Channel=128



EGPRS850 Channel=190



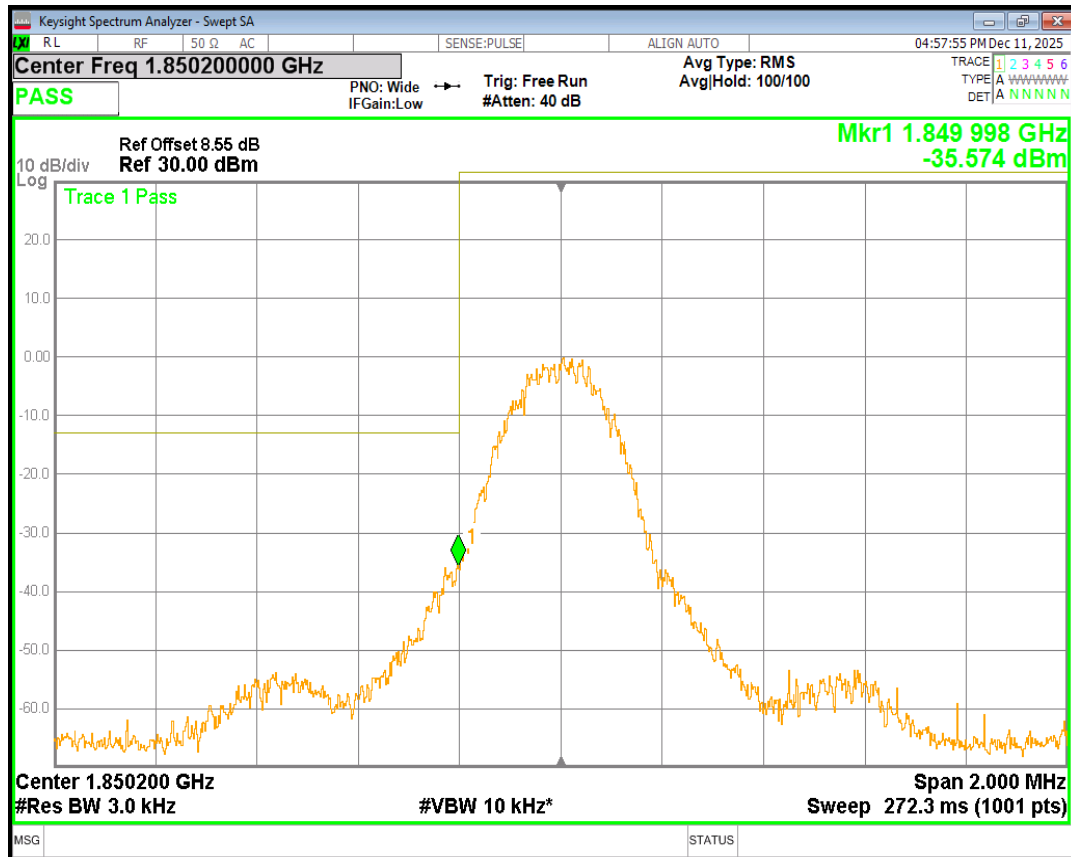
EGPRS850 Channel=251



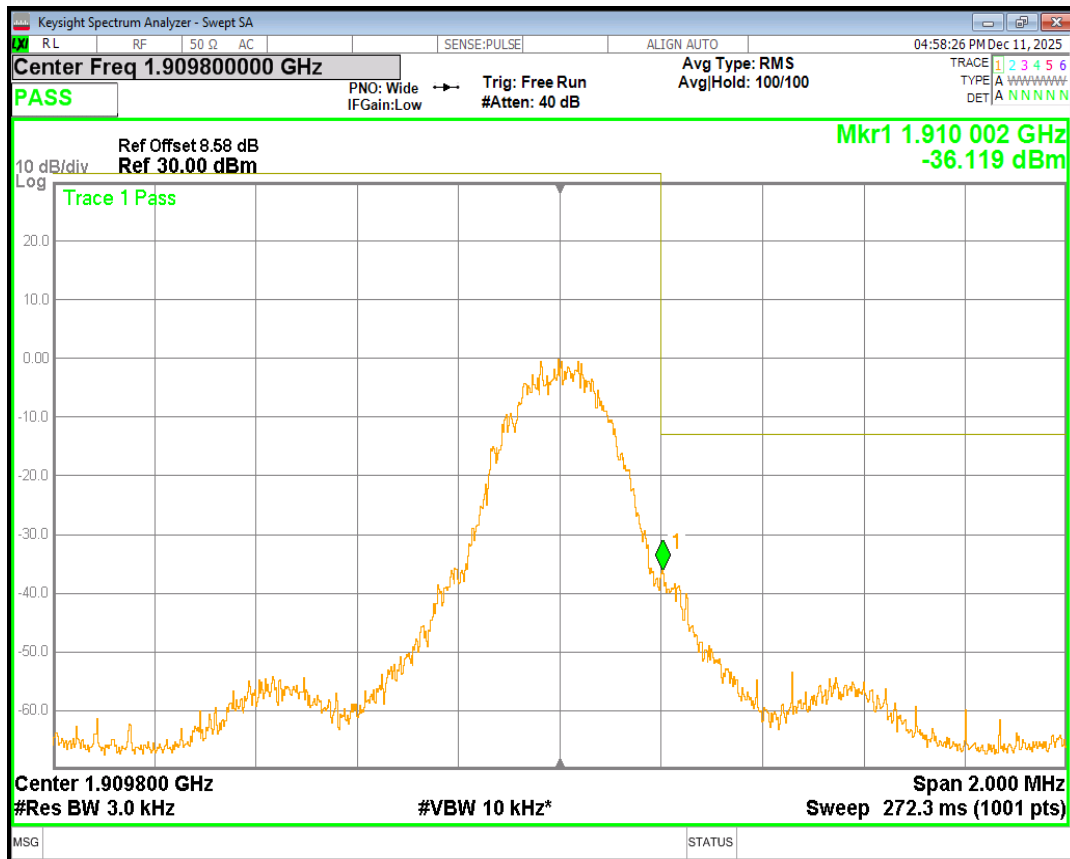
17 Band edge

| Band      | Channel | Frequency (MHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|-----------|---------|-----------------|-----------------|------------------|-------------|---------|
| EGPRS1900 | 512     | 1850.2          | 1850.00         | -35.57           | -13         | PASS    |
| EGPRS1900 | 810     | 1909.8          | 1910.00         | -36.11           | -13         | PASS    |
| EGPRS850  | 128     | 824.2           | 823.99          | -36.78           | -13         | PASS    |
| EGPRS850  | 251     | 848.8           | 849.01          | -36.87           | -13         | PASS    |

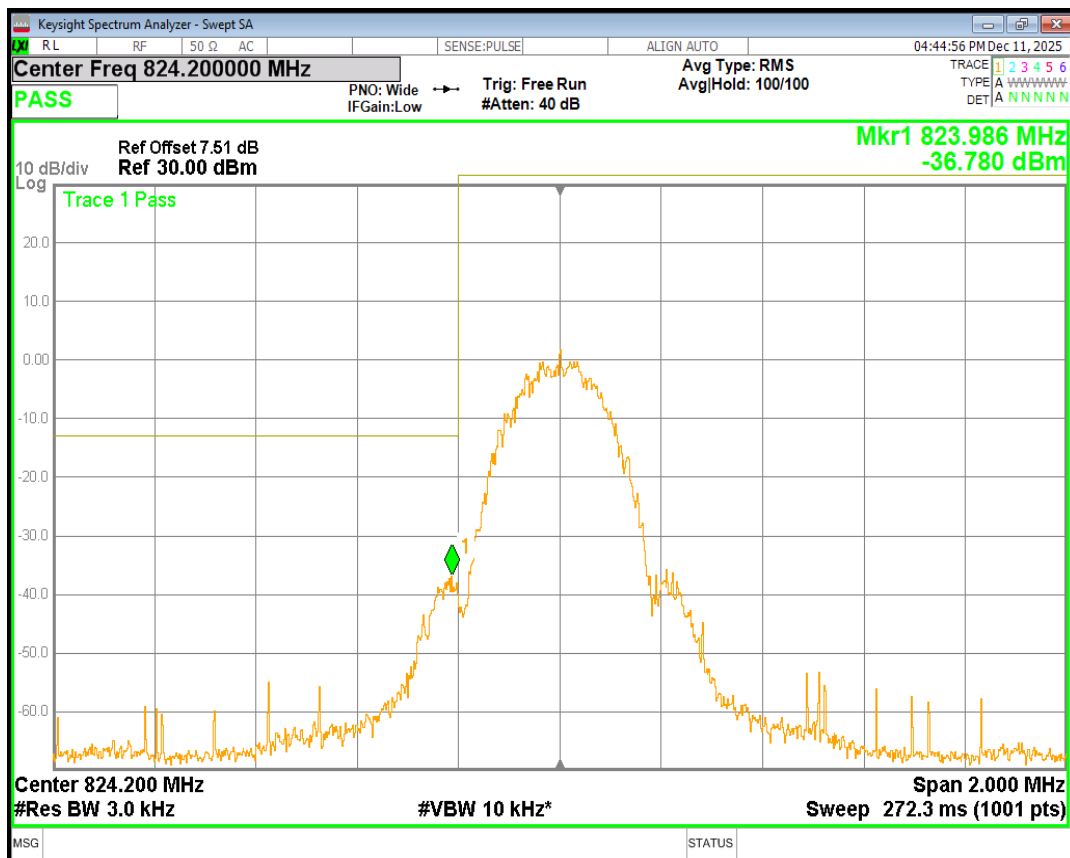
EGPRS1900 Channel=512



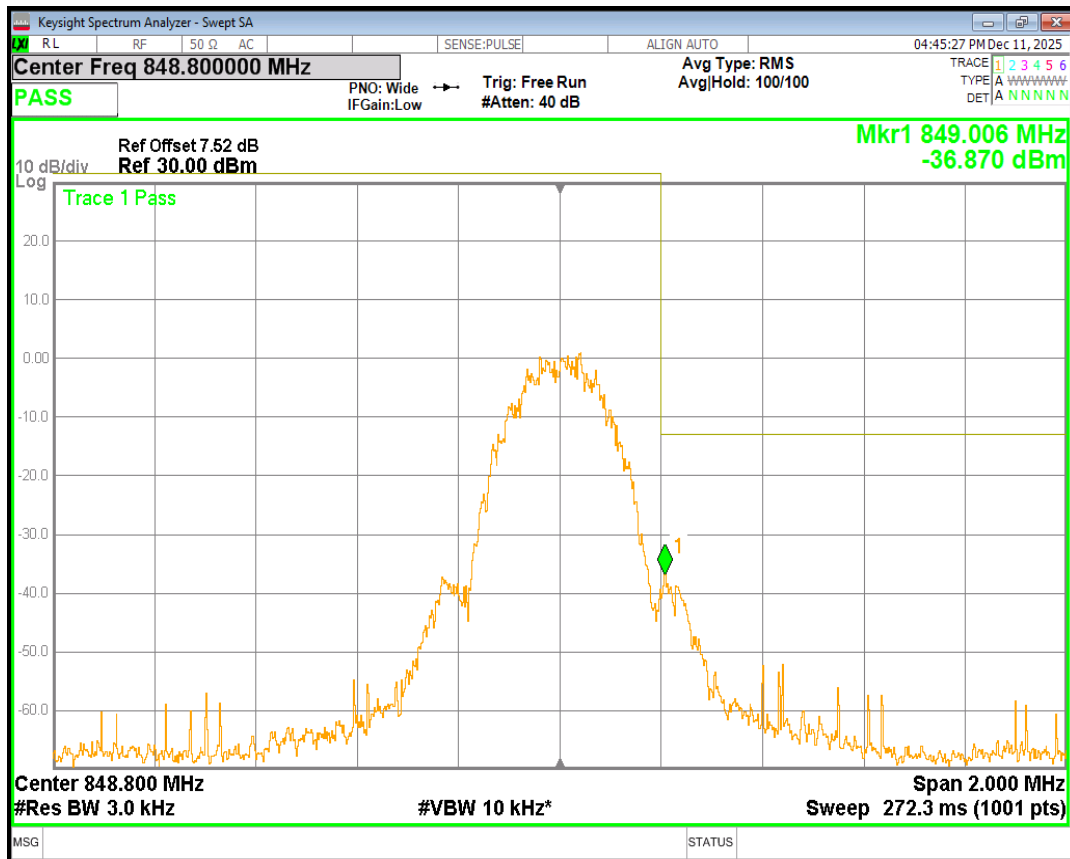
EGPRS1900 Channel=810



EGPRS850 Channel=128



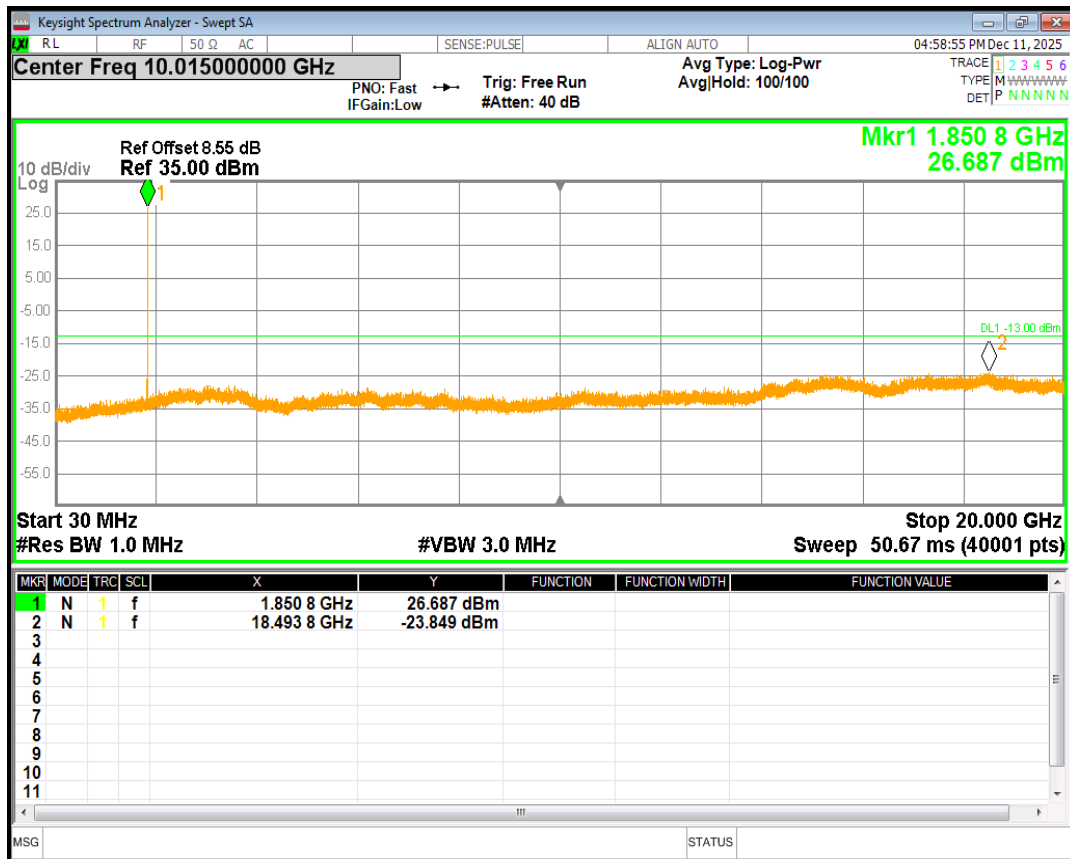
EGPRS850 Channel=251



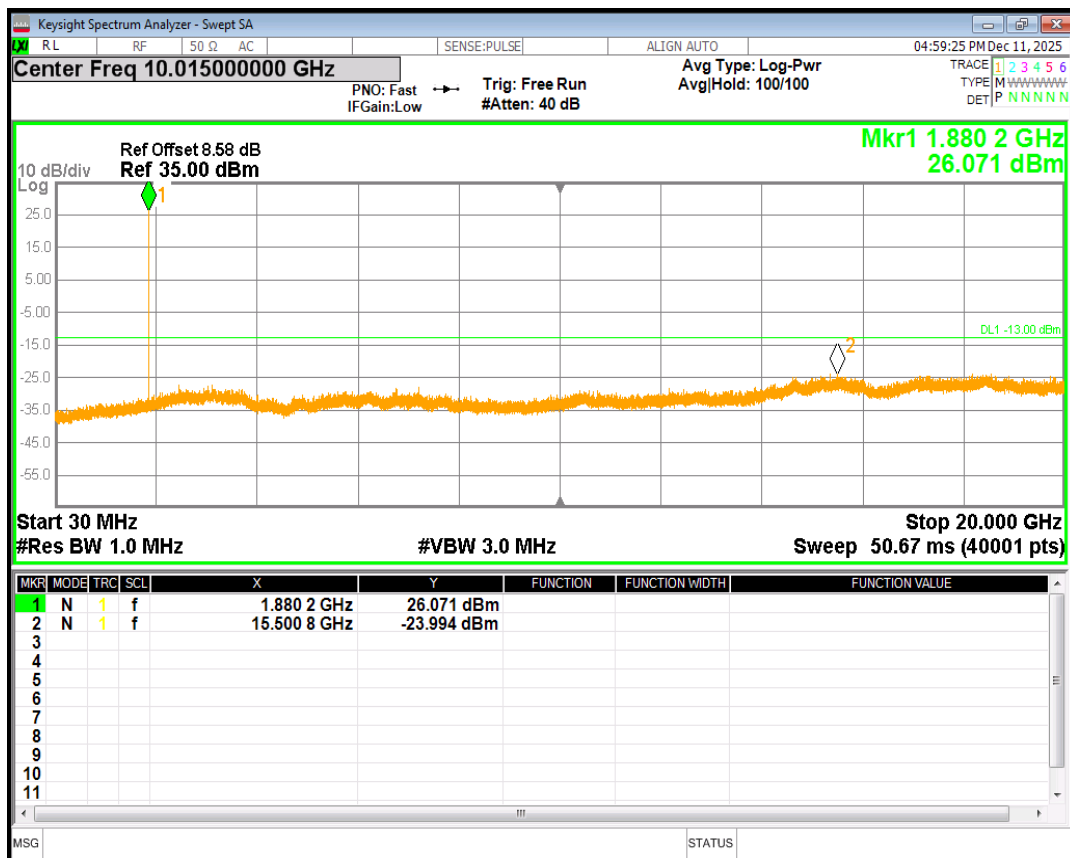
### 18 Out-of-band emissions

| Band      | Channel | Frequency (MHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|-----------|---------|-----------------|-----------------|------------------|-------------|---------|
| EGPRS1900 | 512     | 1850.2          | 18493.76        | -23.84           | -13         | PASS    |
| EGPRS1900 | 661     | 1880            | 15500.76        | -23.99           | -13         | PASS    |
| EGPRS1900 | 810     | 1909.8          | 18444.34        | -23.52           | -13         | PASS    |
| EGPRS850  | 128     | 824.2           | 3105.25         | -28.66           | -13         | PASS    |
| EGPRS850  | 190     | 836.6           | 3110.73         | -28.53           | -13         | PASS    |
| EGPRS850  | 251     | 848.8           | 3161.83         | -29.18           | -13         | PASS    |

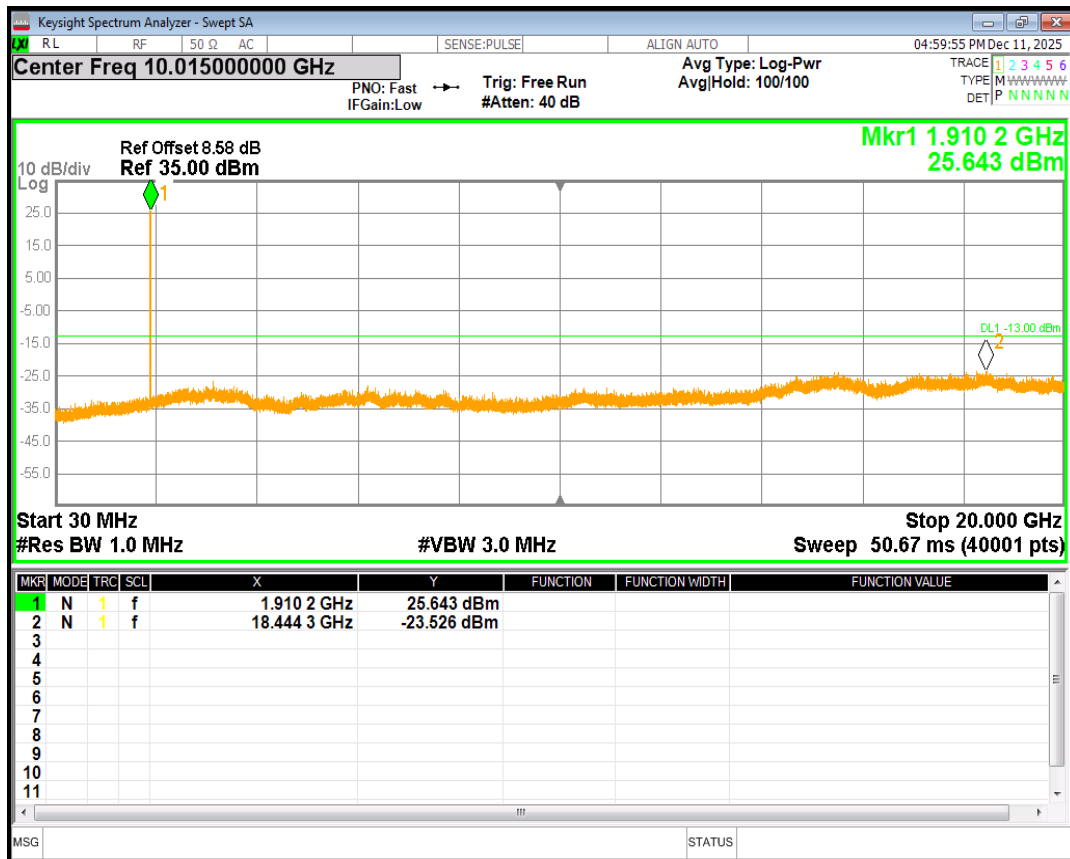
EGPRS1900 Channel=512



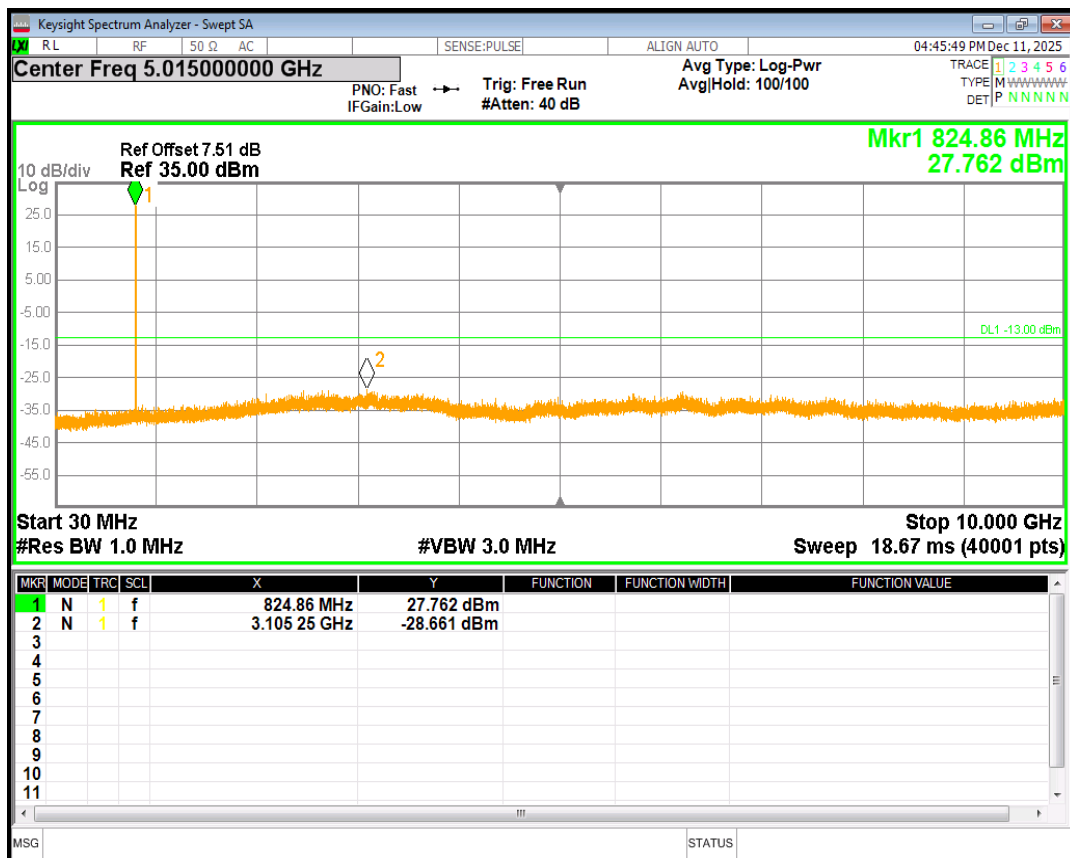
EGPRS1900 Channel=661



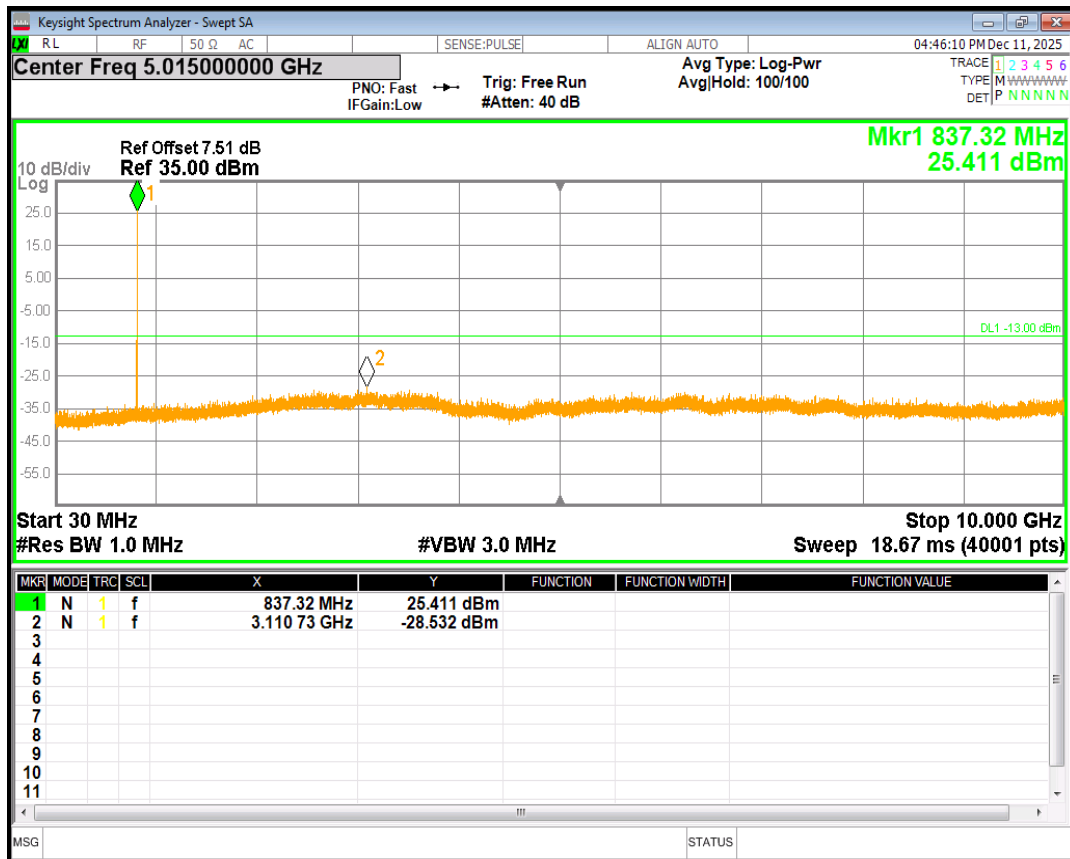
EGPRS1900 Channel=810



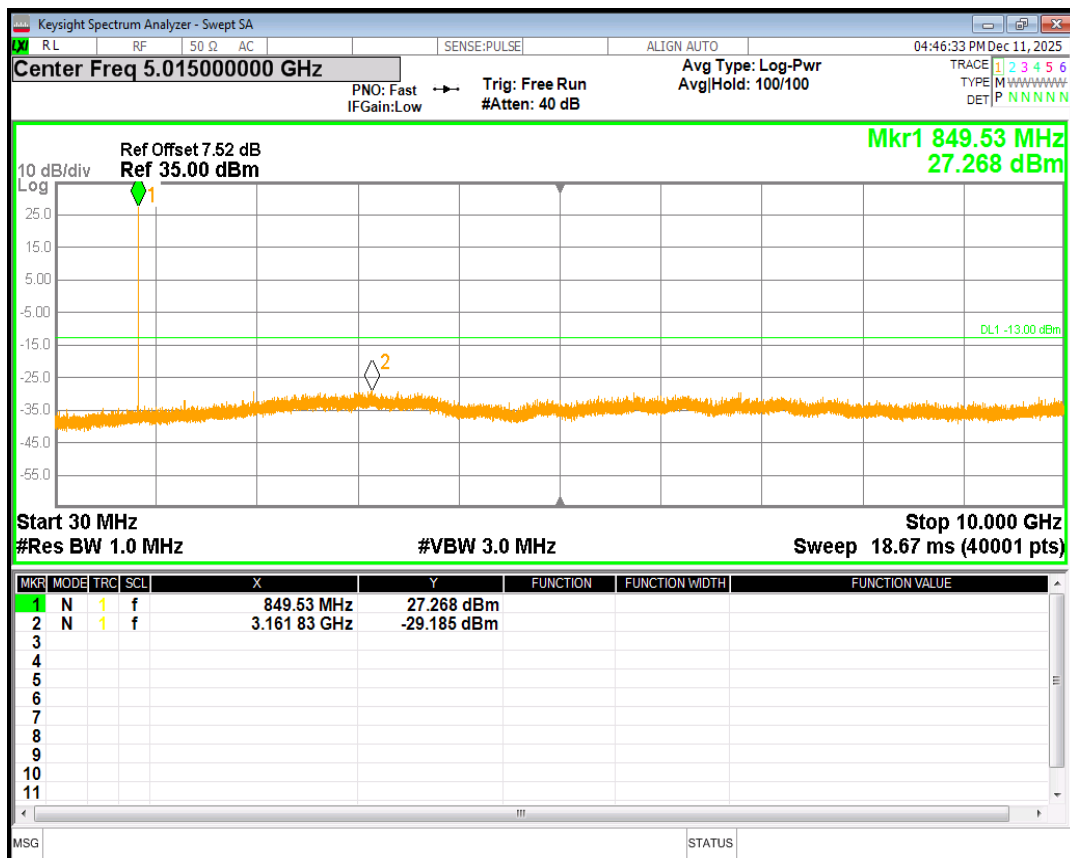
EGPRS850 Channel=128



EGPRS850 Channel=190



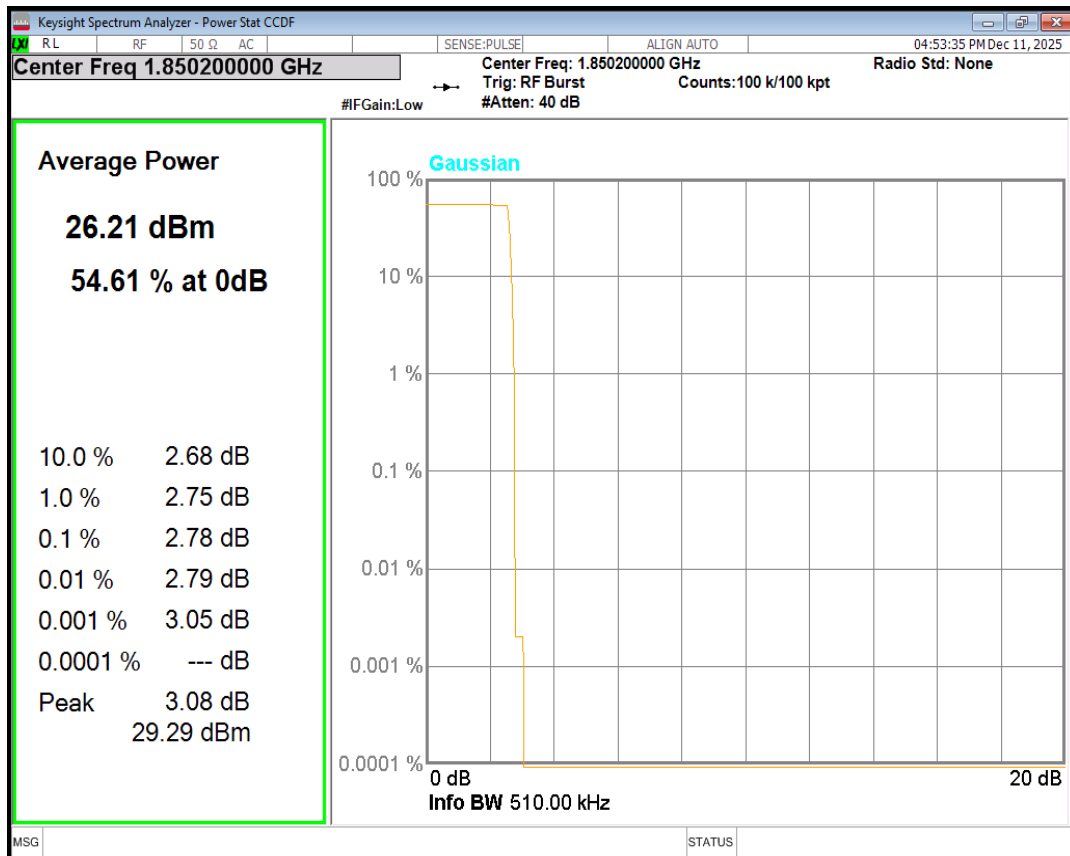
EGPRS850 Channel=251



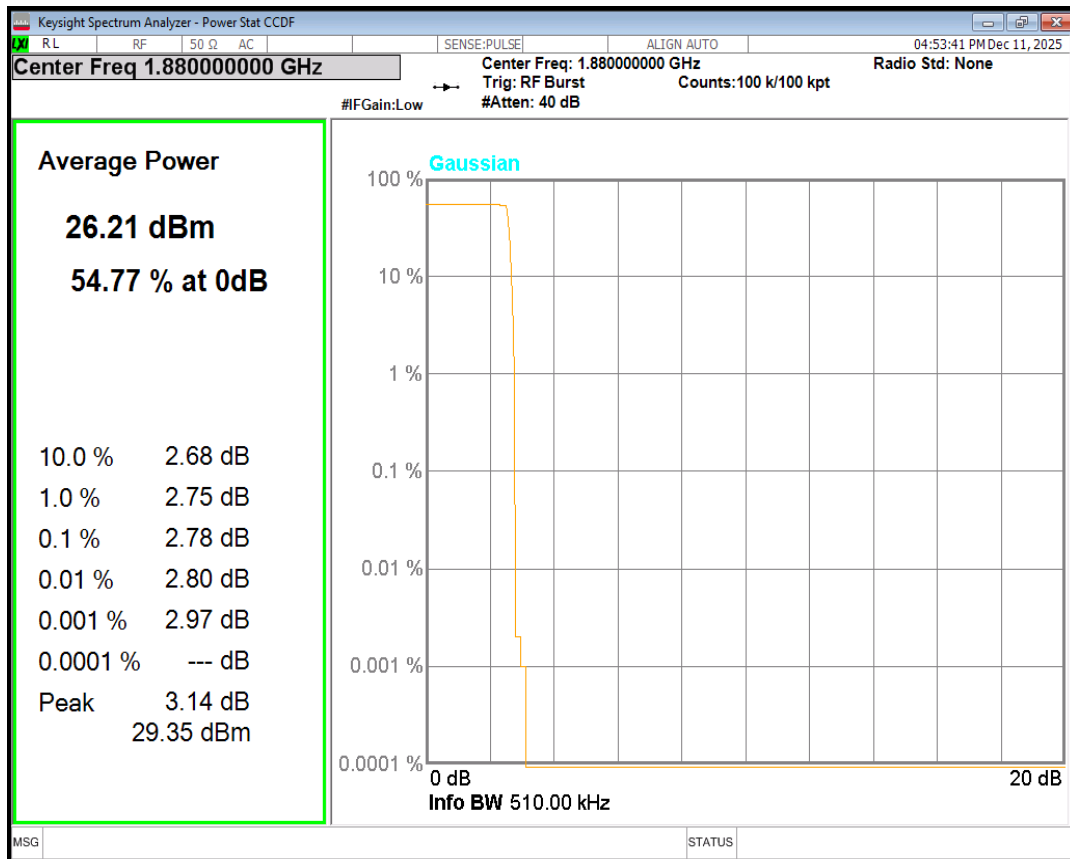
## 09 Peak-to-Average Ratio

| Band     | Channel | Frequency (MHz) | Result (dB) | high Limit (dB) | Verdict |
|----------|---------|-----------------|-------------|-----------------|---------|
| GPRS1900 | 512     | 1850.2          | 2.775251799 | 13.00           | PASS    |
| GPRS1900 | 661     | 1880            | 2.780697674 | 13.00           | PASS    |
| GPRS1900 | 810     | 1909.8          | 2.840493827 | 13.00           | PASS    |
| GPRS850  | 128     | 824.2           | 2.655896226 | 13.00           | PASS    |
| GPRS850  | 190     | 836.6           | 2.659110169 | 13.00           | PASS    |
| GPRS850  | 251     | 848.8           | 2.667860963 | 13.00           | PASS    |

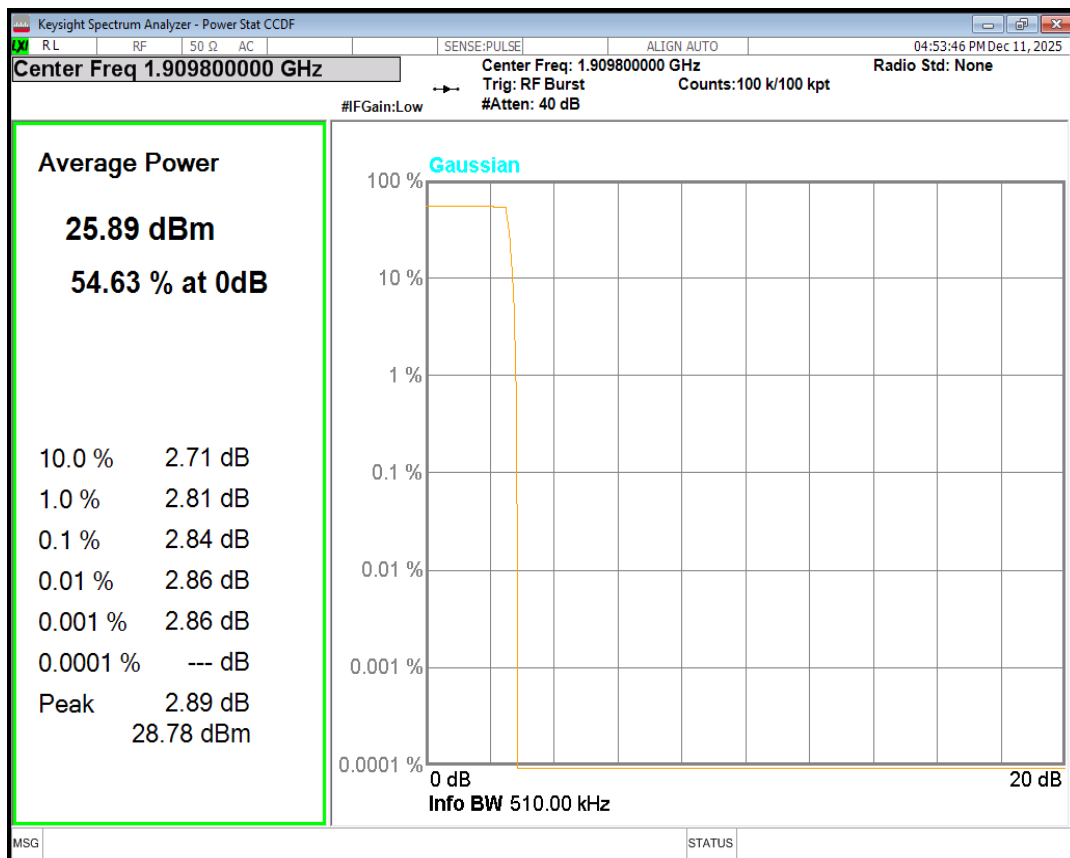
GPRS1900 Channel=512



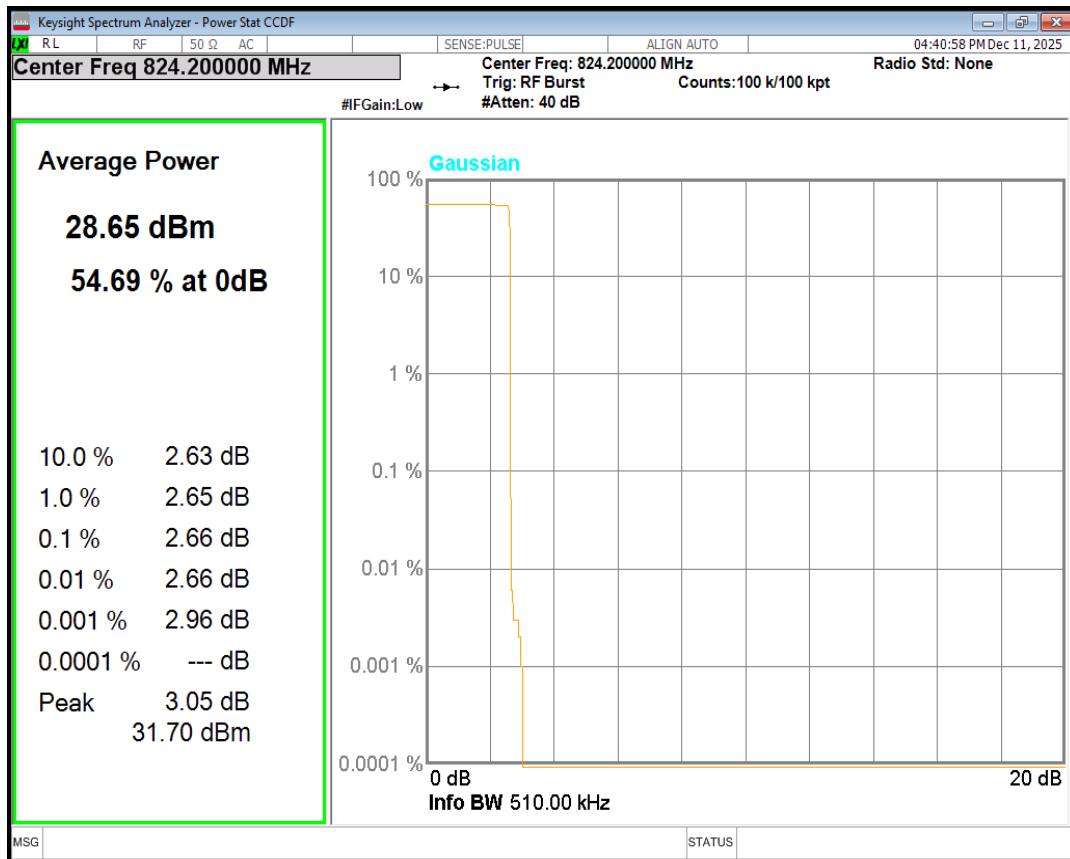
GPRS1900 Channel=661



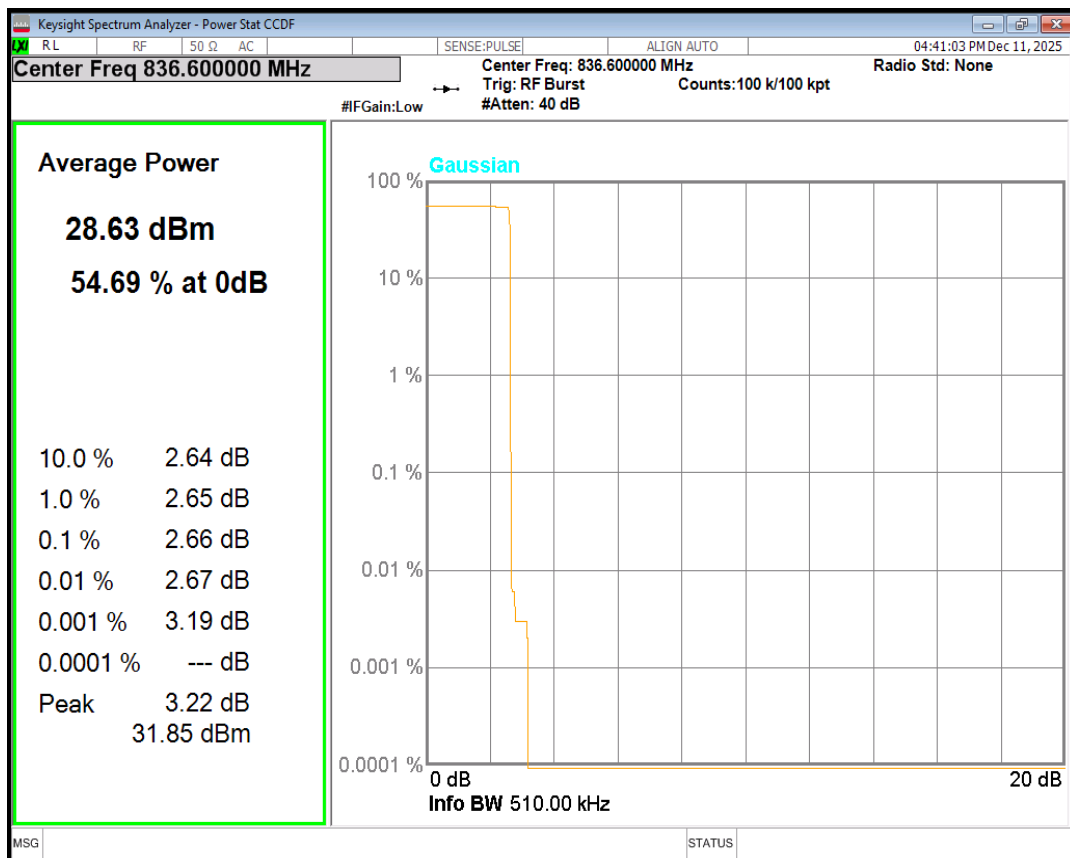
GPRS1900 Channel=810



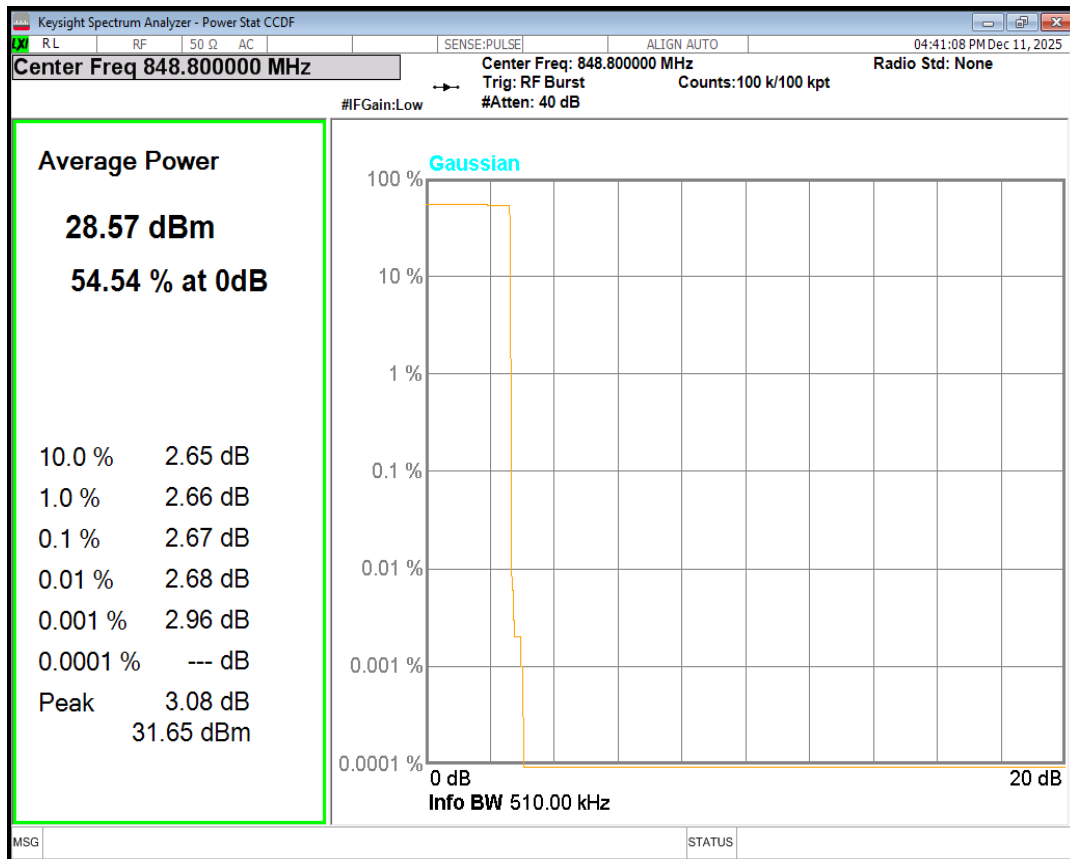
GPRS850 Channel=128



GPRS850 Channel=190



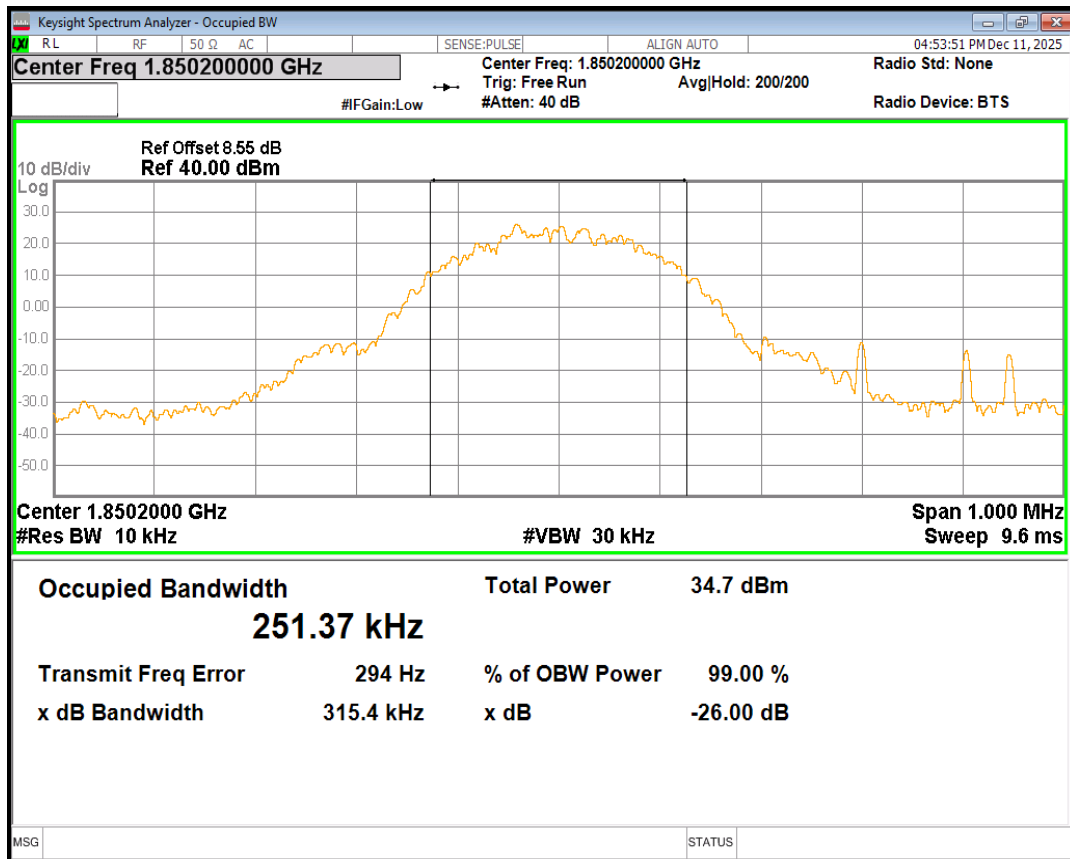
GPRS850 Channel=251



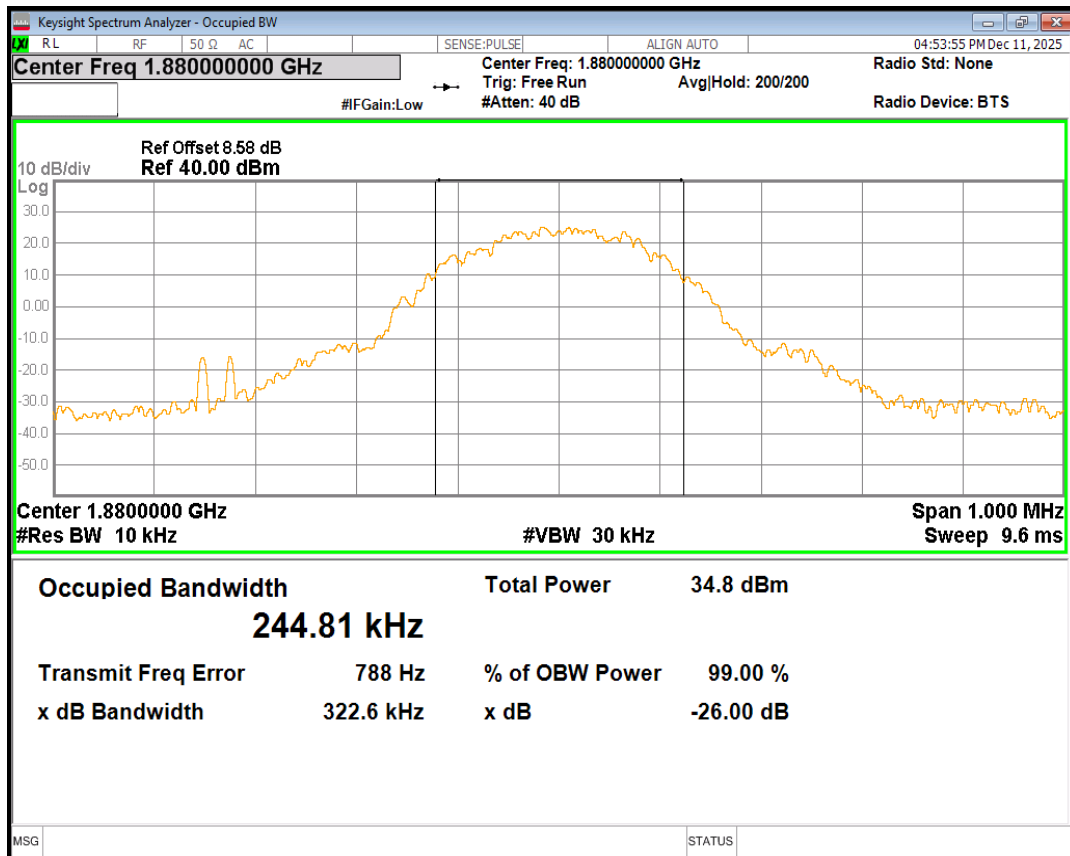
### 10 Occupied bandwidth

| Band     | Channel | Frequency (MHz) | 99% OBW (kHz) | -26dB EBW (kHz) | Verdict |
|----------|---------|-----------------|---------------|-----------------|---------|
| GPRS1900 | 512     | 1850.2          | 251.374       | 315.362         | PASS    |
| GPRS1900 | 661     | 1880            | 244.805       | 322.575         | PASS    |
| GPRS1900 | 810     | 1909.8          | 244.639       | 314.862         | PASS    |
| GPRS850  | 128     | 824.2           | 243.279       | 304.593         | PASS    |
| GPRS850  | 190     | 836.6           | 240.385       | 311.061         | PASS    |
| GPRS850  | 251     | 848.8           | 246.459       | 317.415         | PASS    |

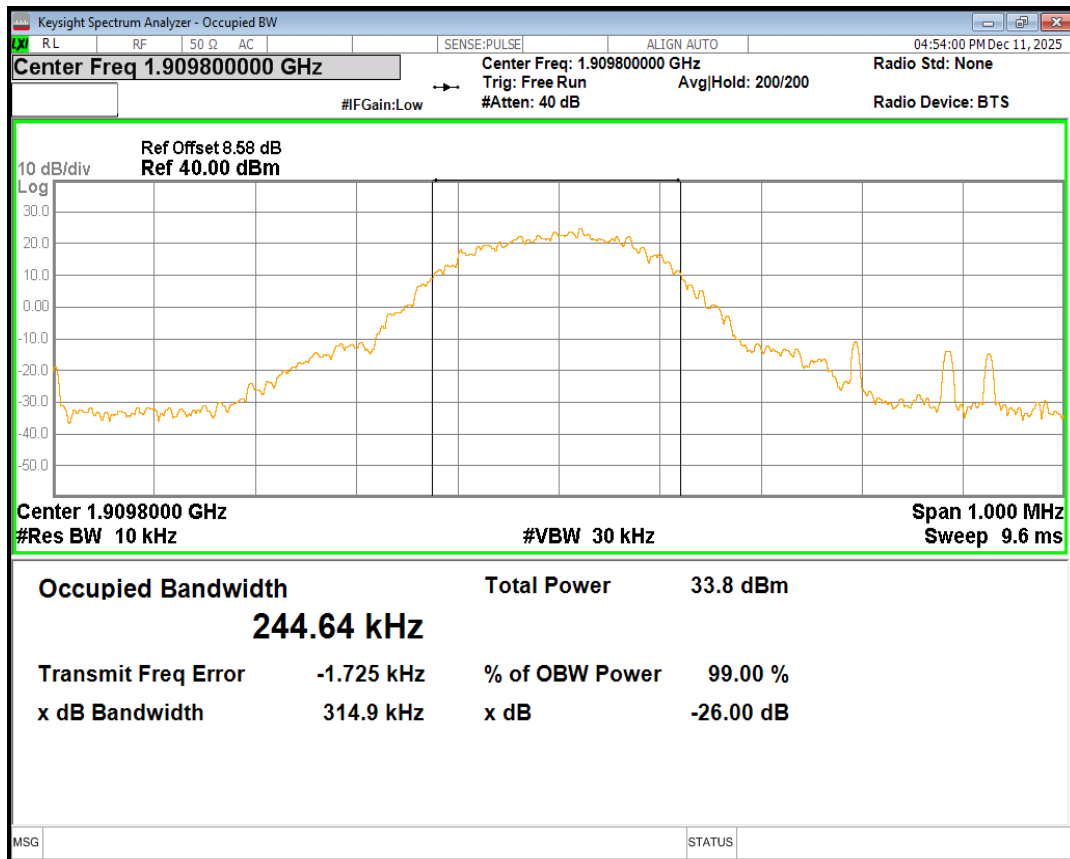
GPRS1900 Channel=512



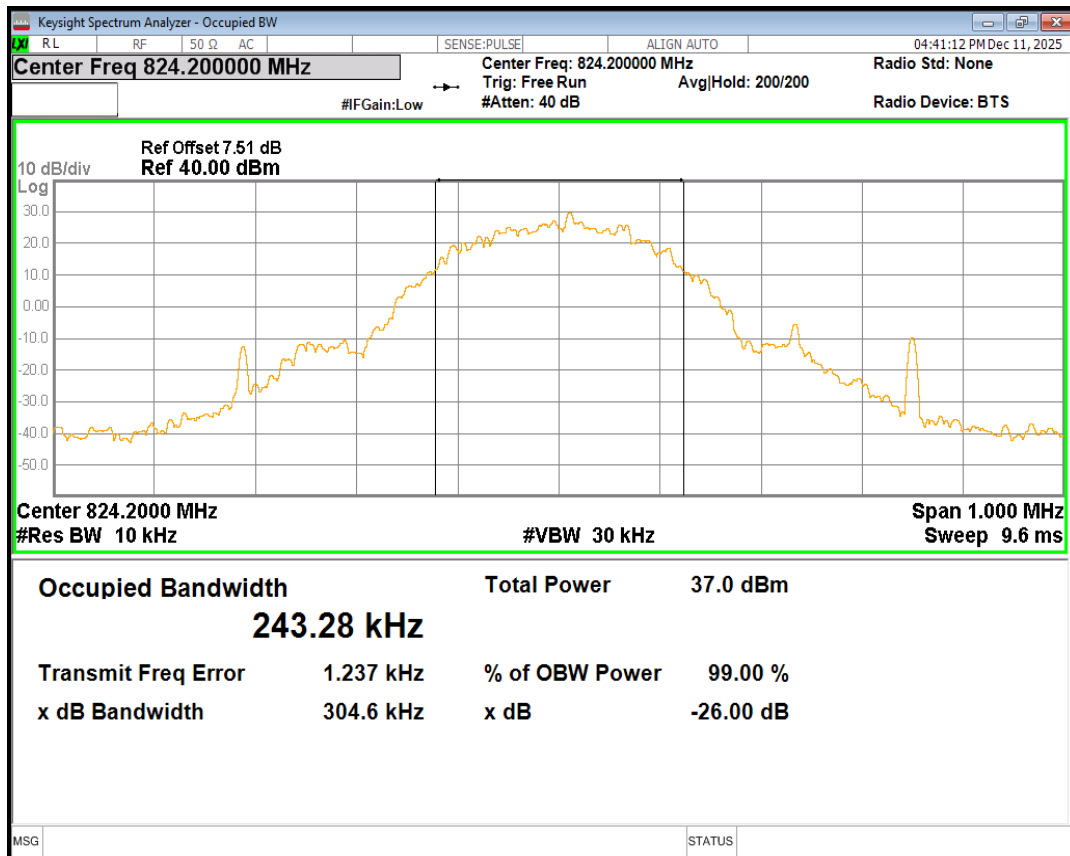
GPRS1900 Channel=661



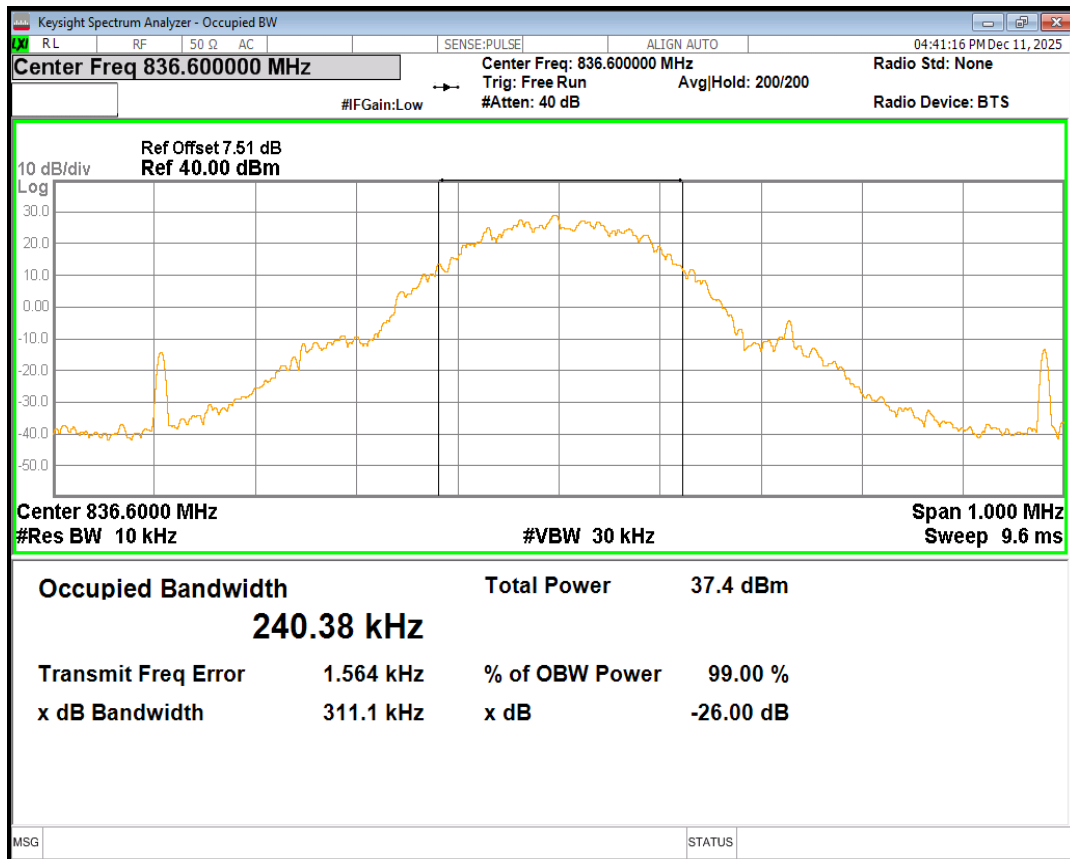
GPRS1900 Channel=810



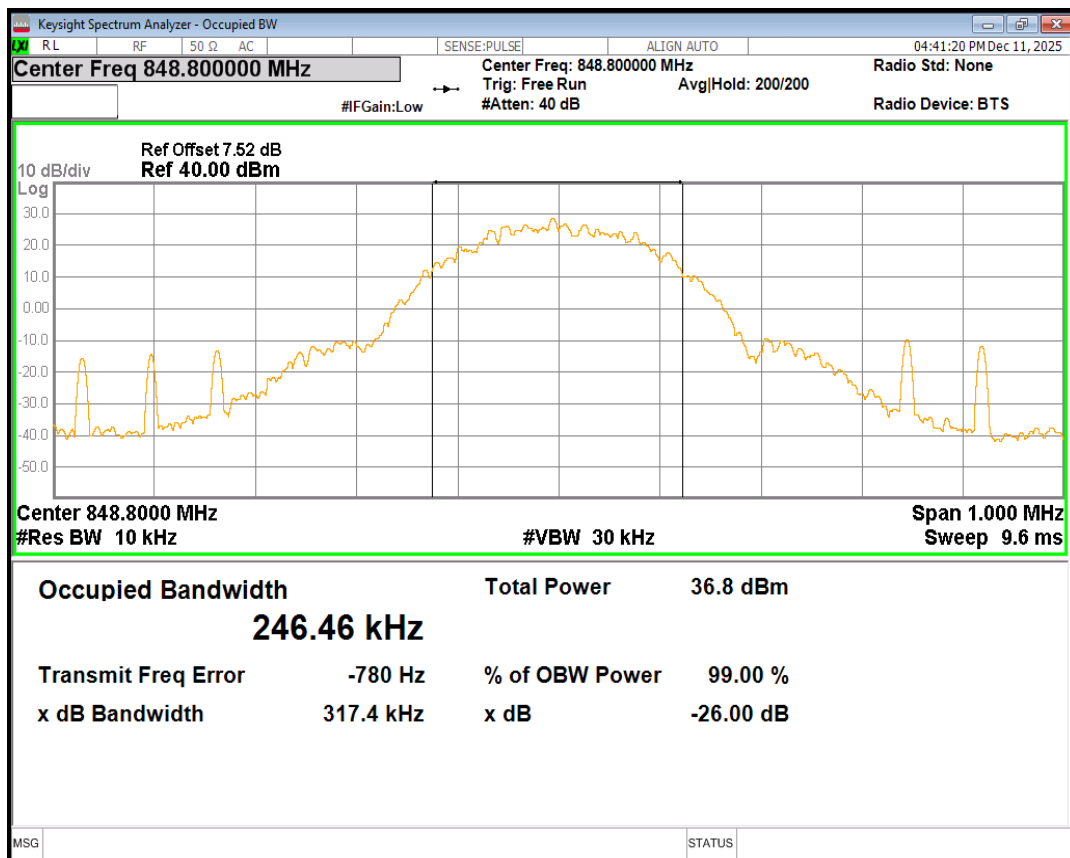
GPRS850 Channel=128



GPRS850 Channel=190



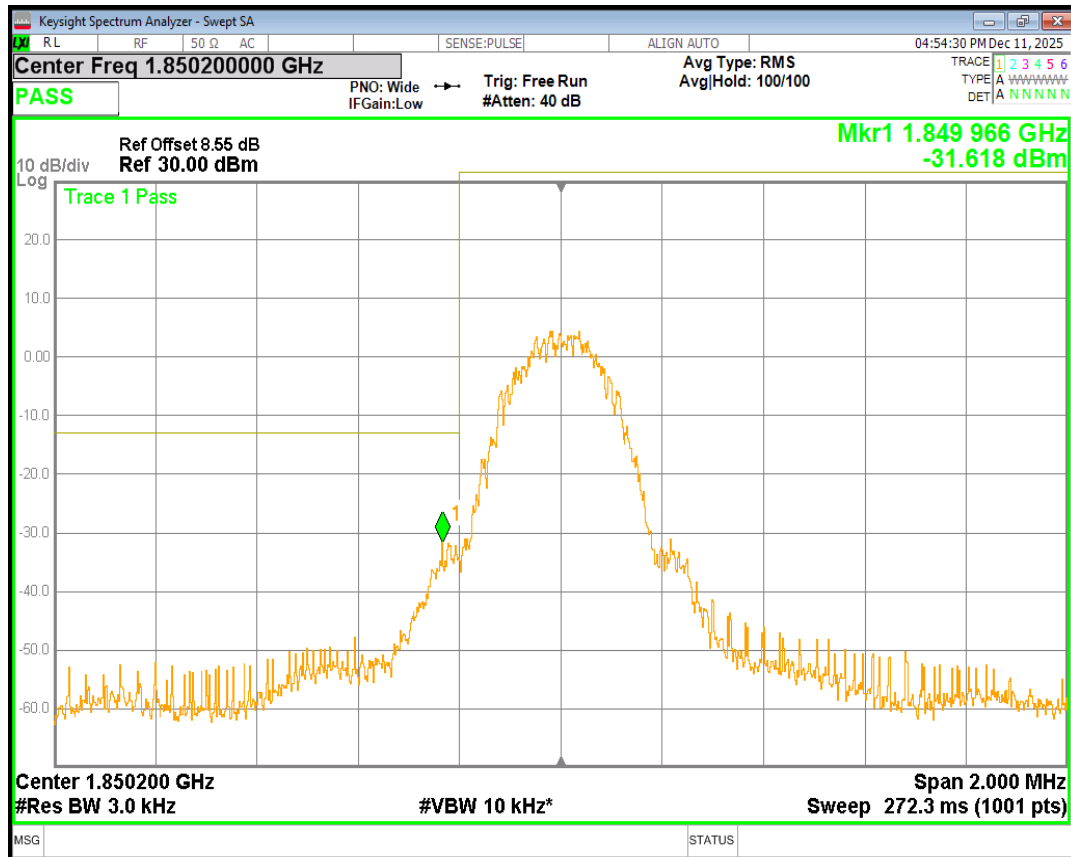
GPRS850 Channel=251



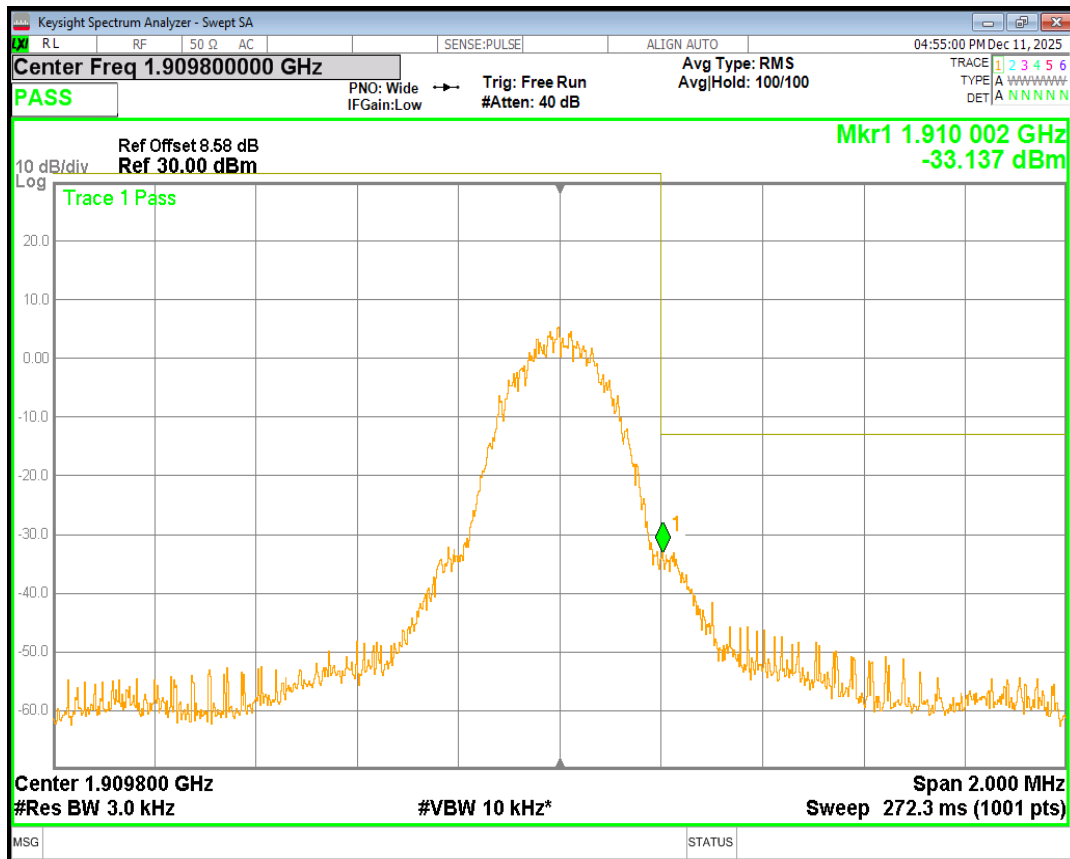
11 Band edge

| Band     | Channel | Frequency (MHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|----------|---------|-----------------|-----------------|------------------|-------------|---------|
| GPRS1900 | 512     | 1850.2          | 1849.97         | -31.61           | -13         | PASS    |
| GPRS1900 | 810     | 1909.8          | 1910.00         | -33.13           | -13         | PASS    |
| GPRS850  | 128     | 824.2           | 823.98          | -29.40           | -13         | PASS    |
| GPRS850  | 251     | 848.8           | 849.01          | -29.31           | -13         | PASS    |

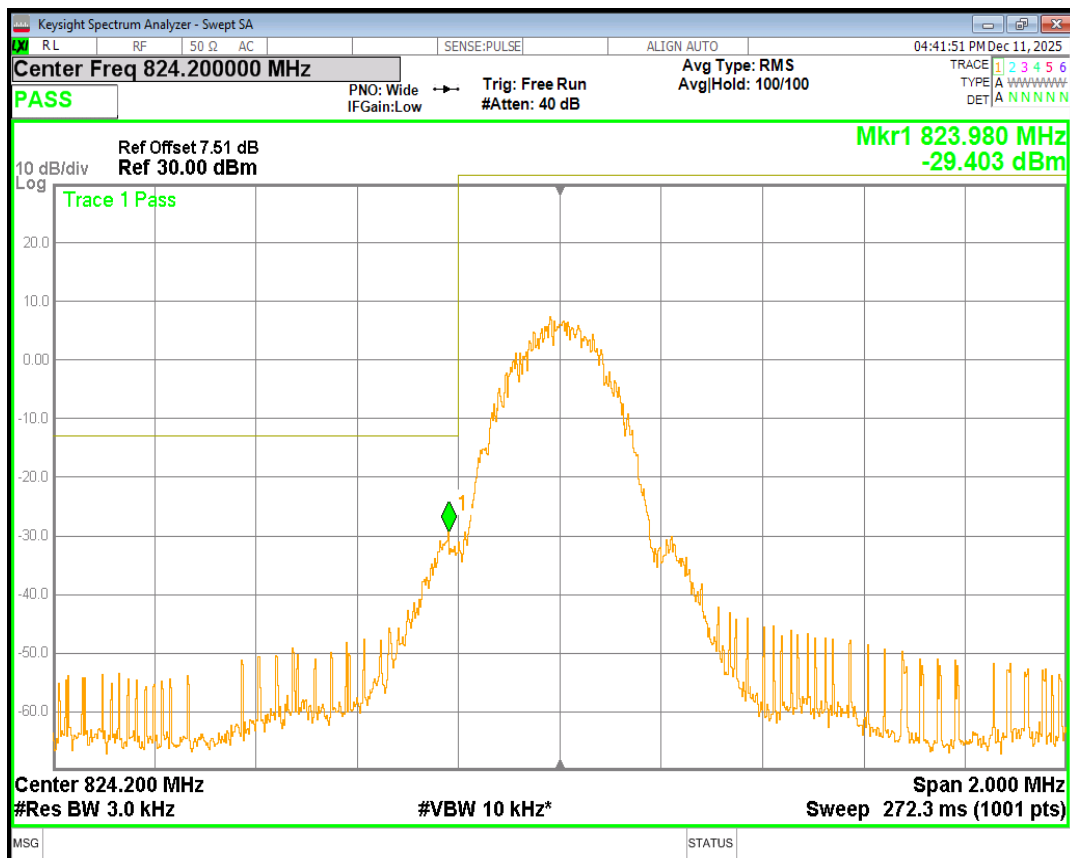
GPRS1900 Channel=512



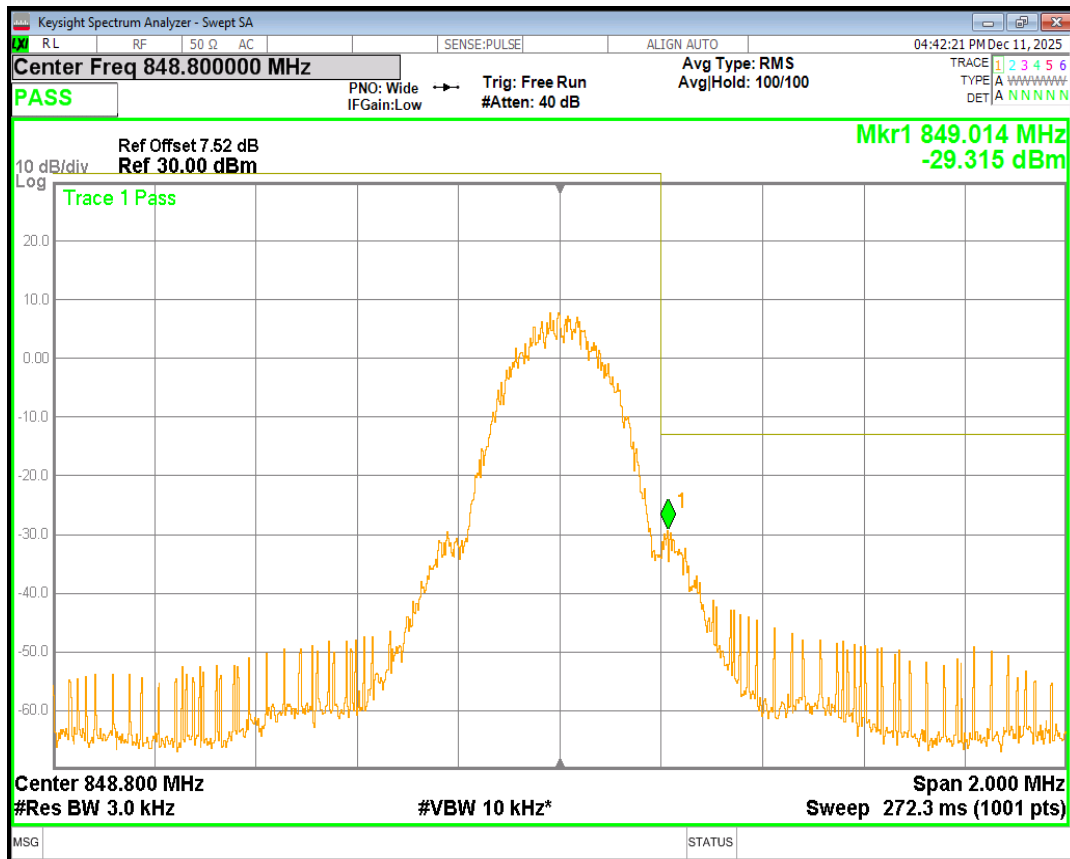
GPRS1900 Channel=810



GPRS850 Channel=128



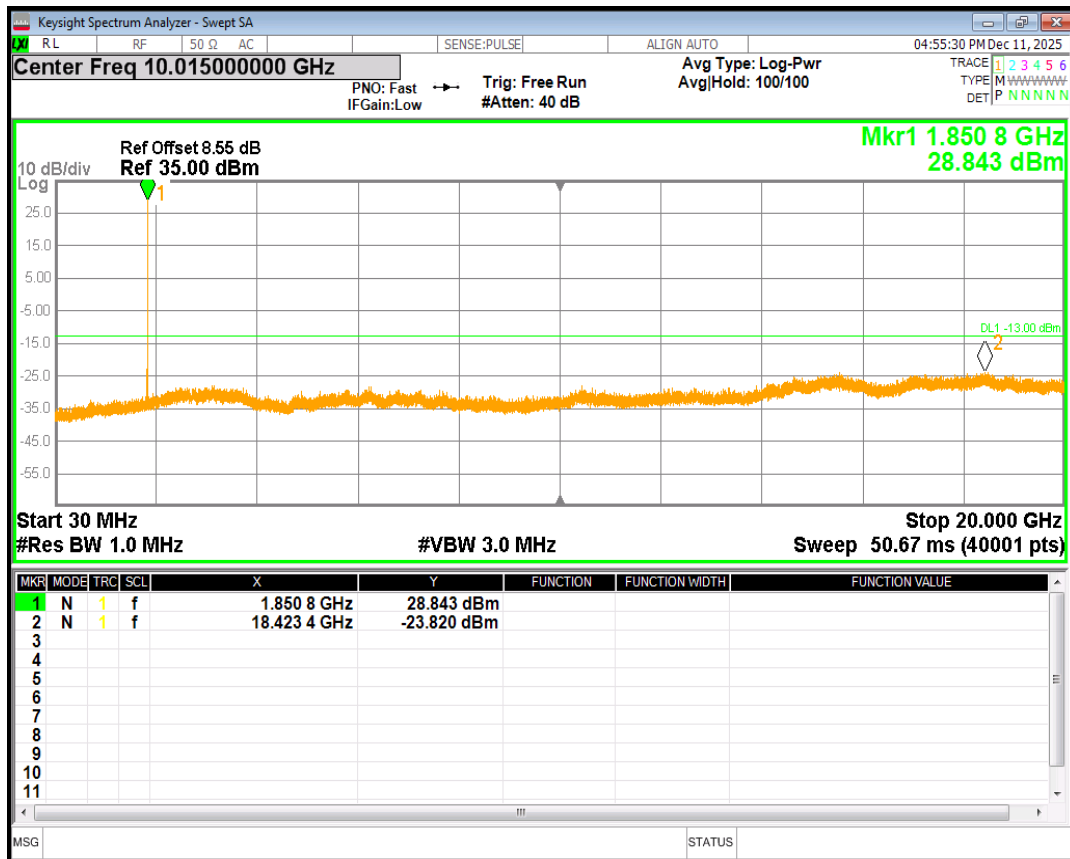
GPRS850 Channel=251



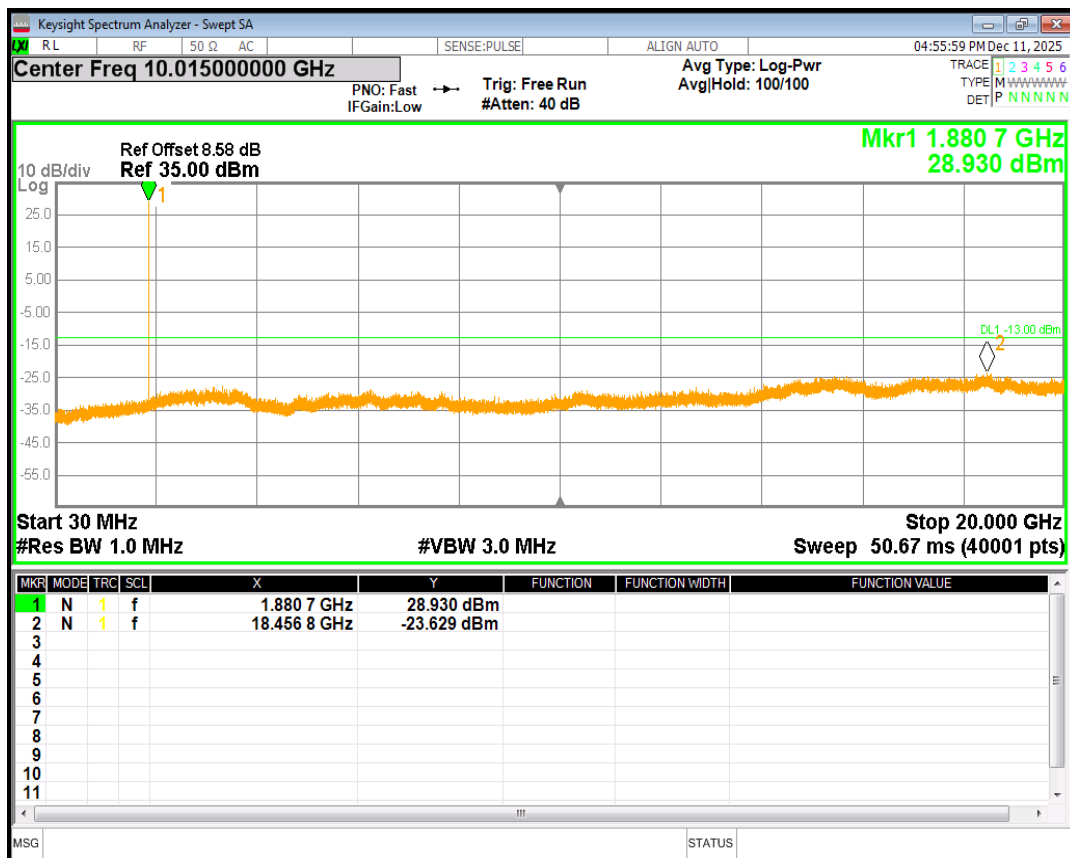
### 12 Out-of-band emissions

| Band     | Channel | Frequency (MHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|----------|---------|-----------------|-----------------|------------------|-------------|---------|
| GPRS1900 | 512     | 1850.2          | 18423.37        | -23.82           | -13         | PASS    |
| GPRS1900 | 661     | 1880            | 18456.82        | -23.62           | -13         | PASS    |
| GPRS1900 | 810     | 1909.8          | 17428.86        | -23.47           | -13         | PASS    |
| GPRS850  | 128     | 824.2           | 3156.59         | -28.87           | -13         | PASS    |
| GPRS850  | 190     | 836.6           | 2510.29         | -28.58           | -13         | PASS    |
| GPRS850  | 251     | 848.8           | 3144.63         | -29.17           | -13         | PASS    |

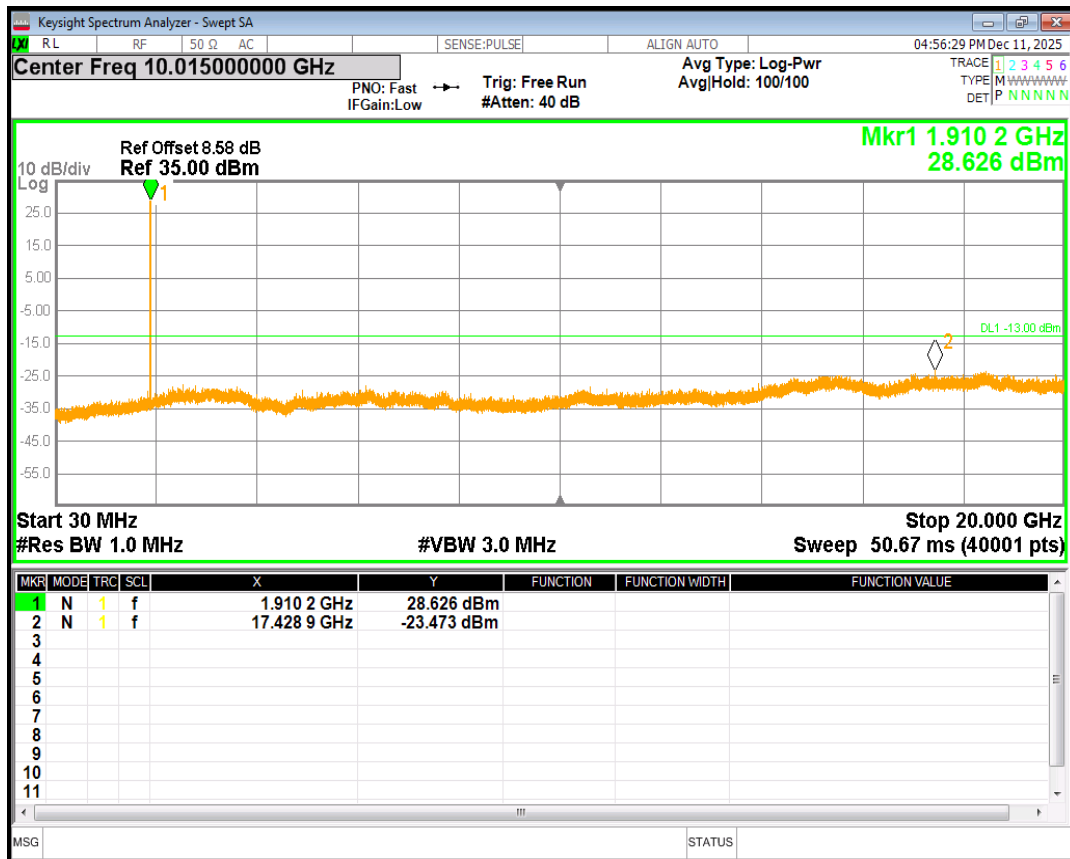
GPRS1900 Channel=512



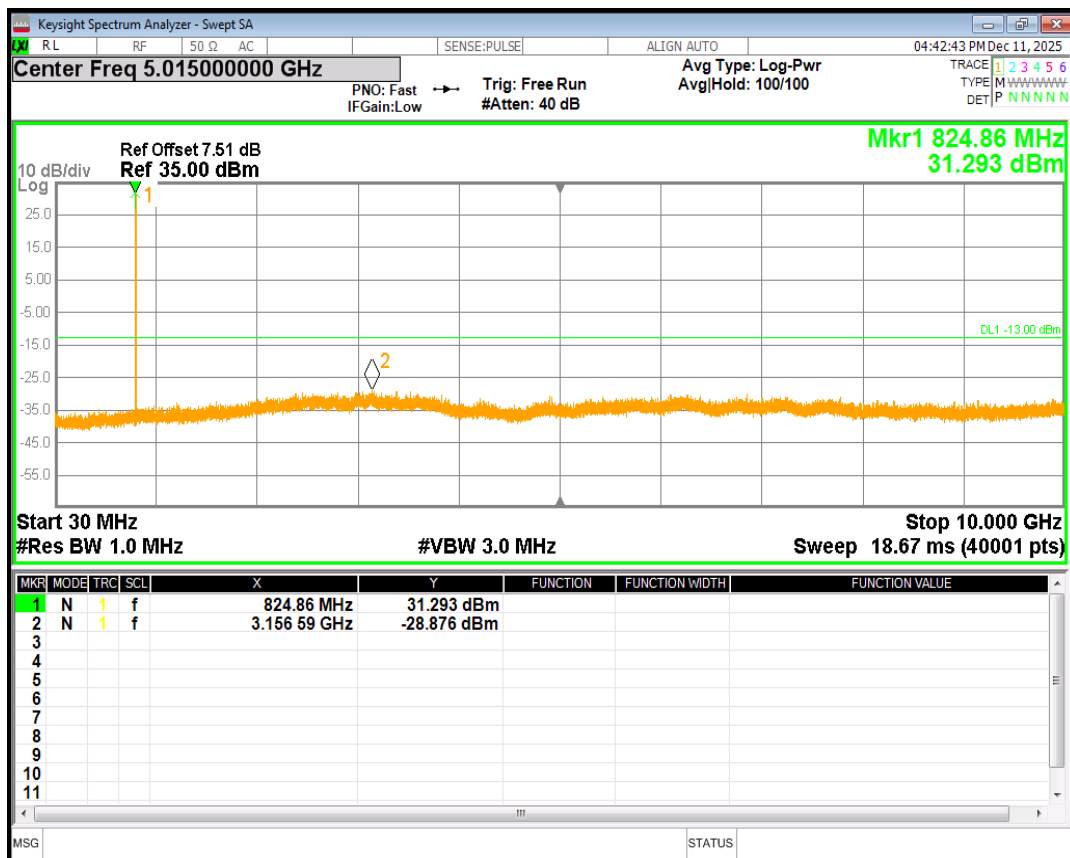
GPRS1900 Channel=661



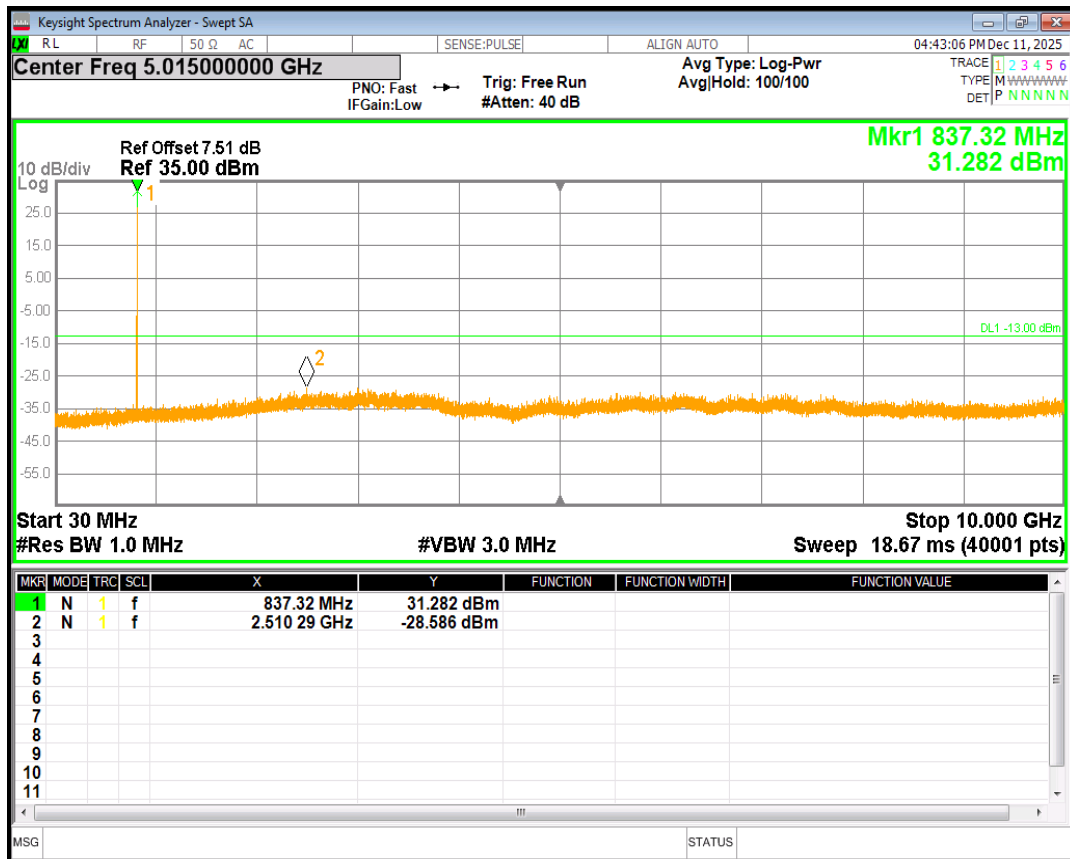
GPRS1900 Channel=810



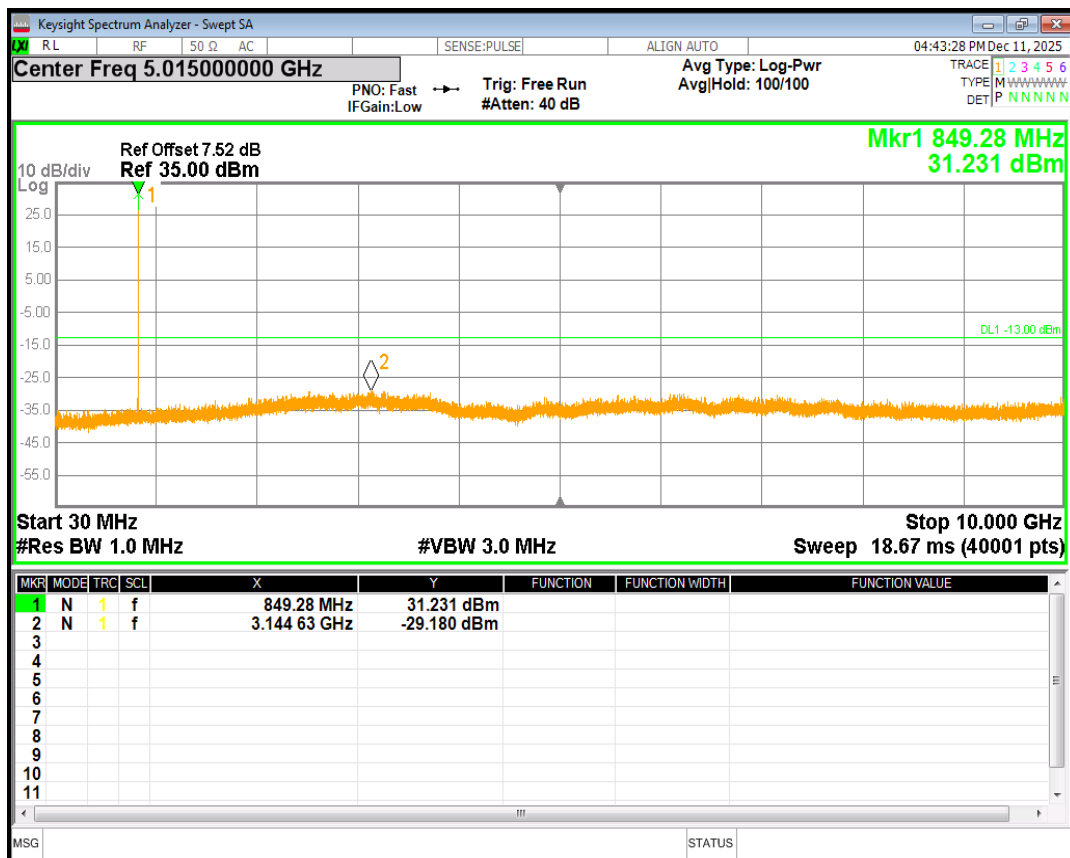
GPRS850 Channel=128



GPRS850 Channel=190

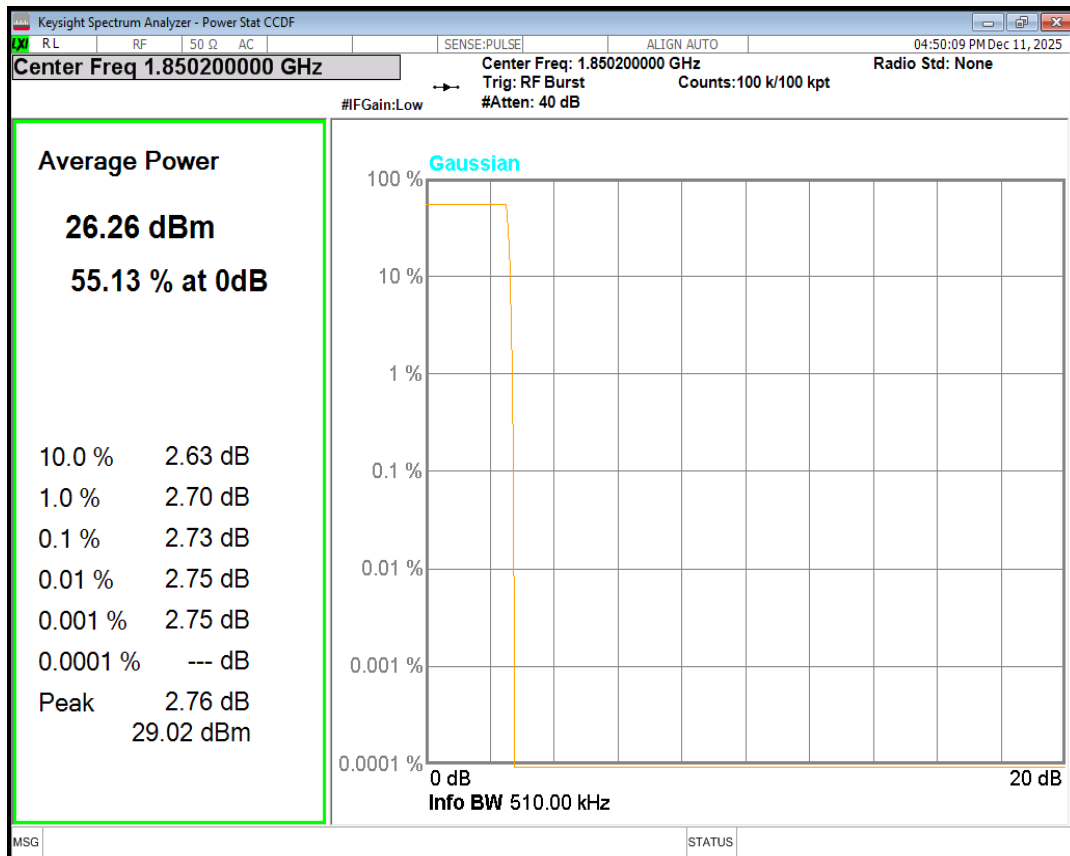


GPRS850 Channel=251

**03 Peak-to-Average Ratio**

| Band    | Channel | Frequency (MHz) | Result (dB) | high Limit (dB) | Verdict |
|---------|---------|-----------------|-------------|-----------------|---------|
| GSM1900 | 512     | 1850.2          | 2.73        | 13              | PASS    |
| GSM1900 | 661     | 1880            | 2.74        | 13              | PASS    |
| GSM1900 | 810     | 1909.8          | 2.79        | 13              | PASS    |
| GSM850  | 128     | 824.2           | 2.63        | 13              | PASS    |
| GSM850  | 190     | 836.6           | 2.63        | 13              | PASS    |
| GSM850  | 251     | 848.8           | 2.63        | 13              | PASS    |

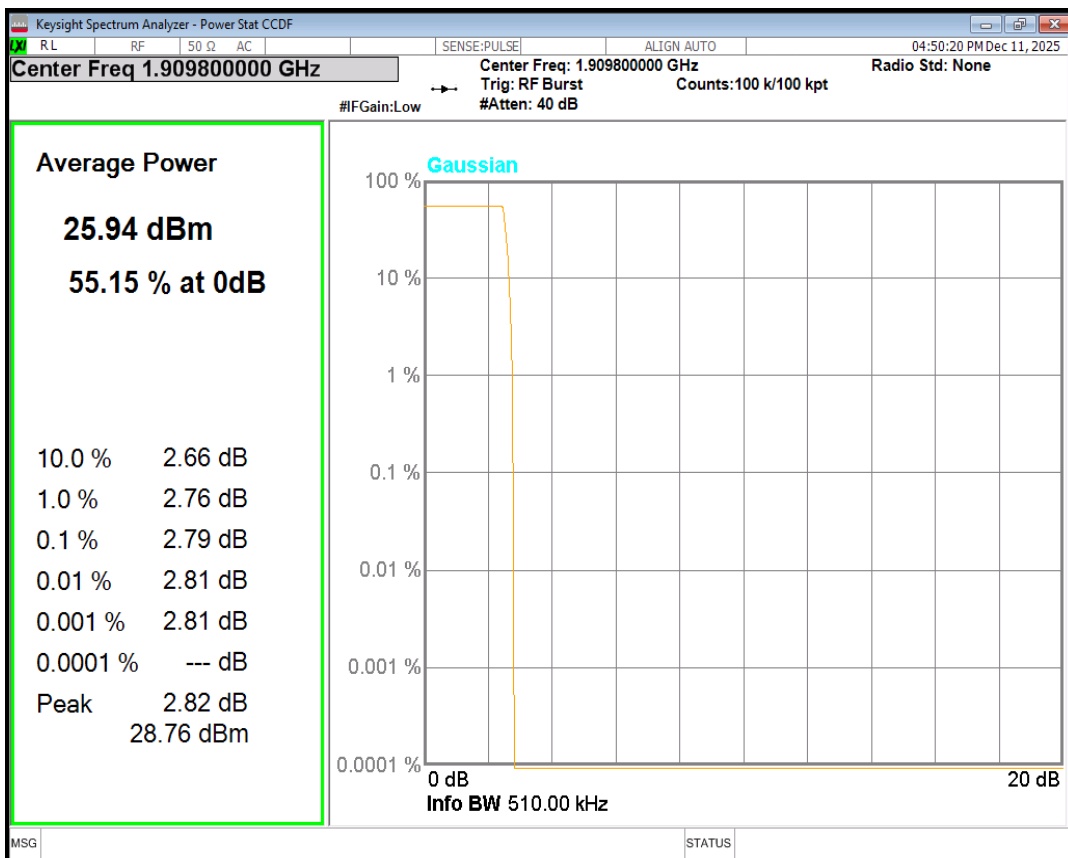
GSM1900 Channel=512



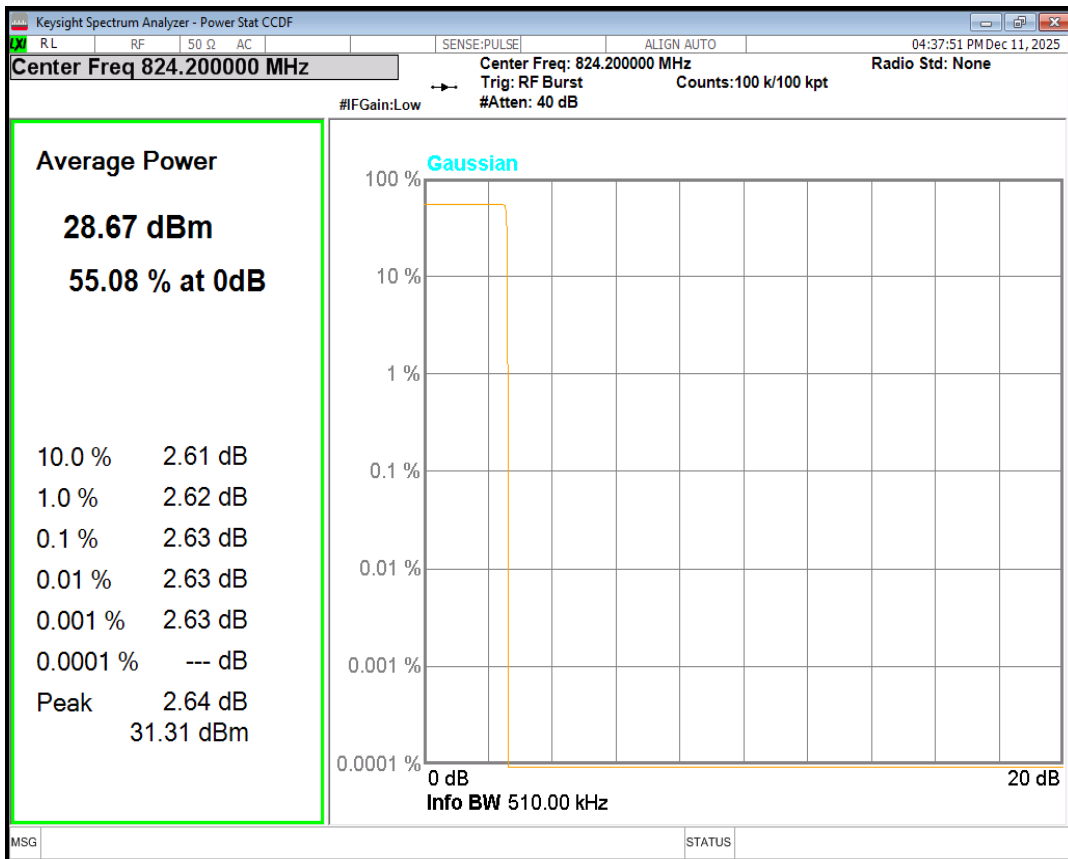
GSM1900 Channel=661



GSM1900 Channel=810



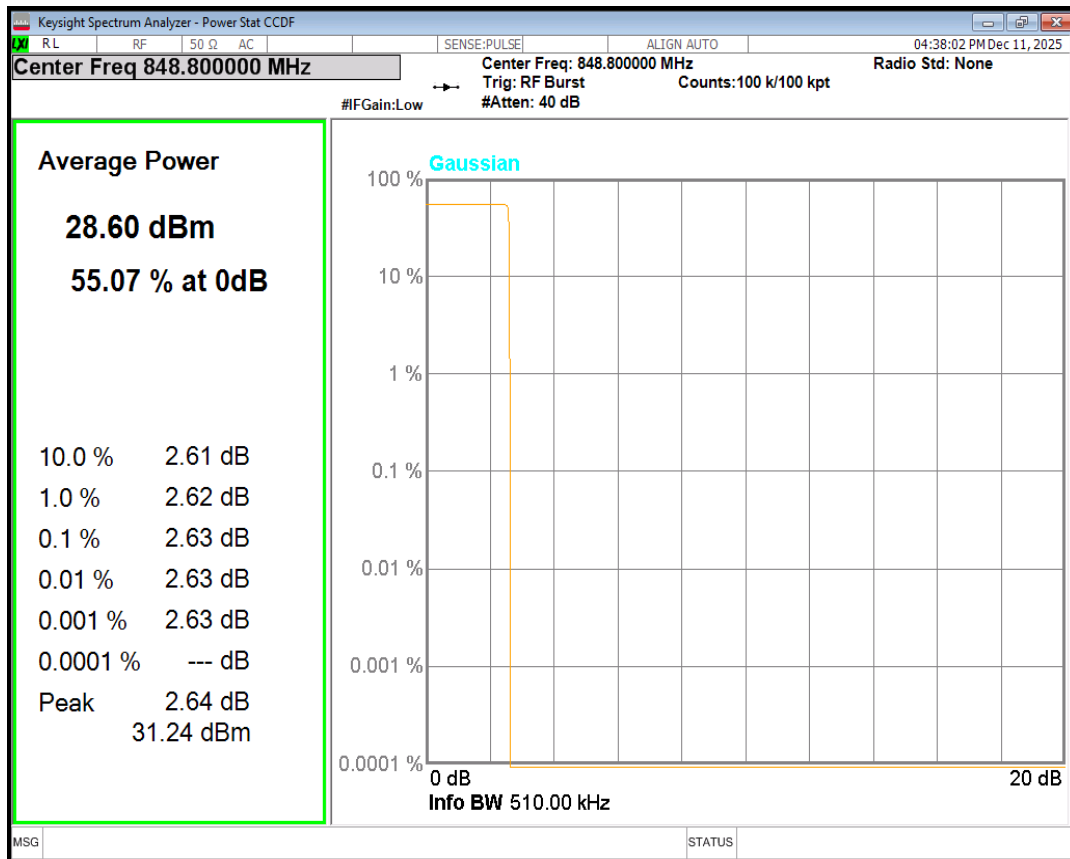
GSM850 Channel=128



GSM850 Channel=190



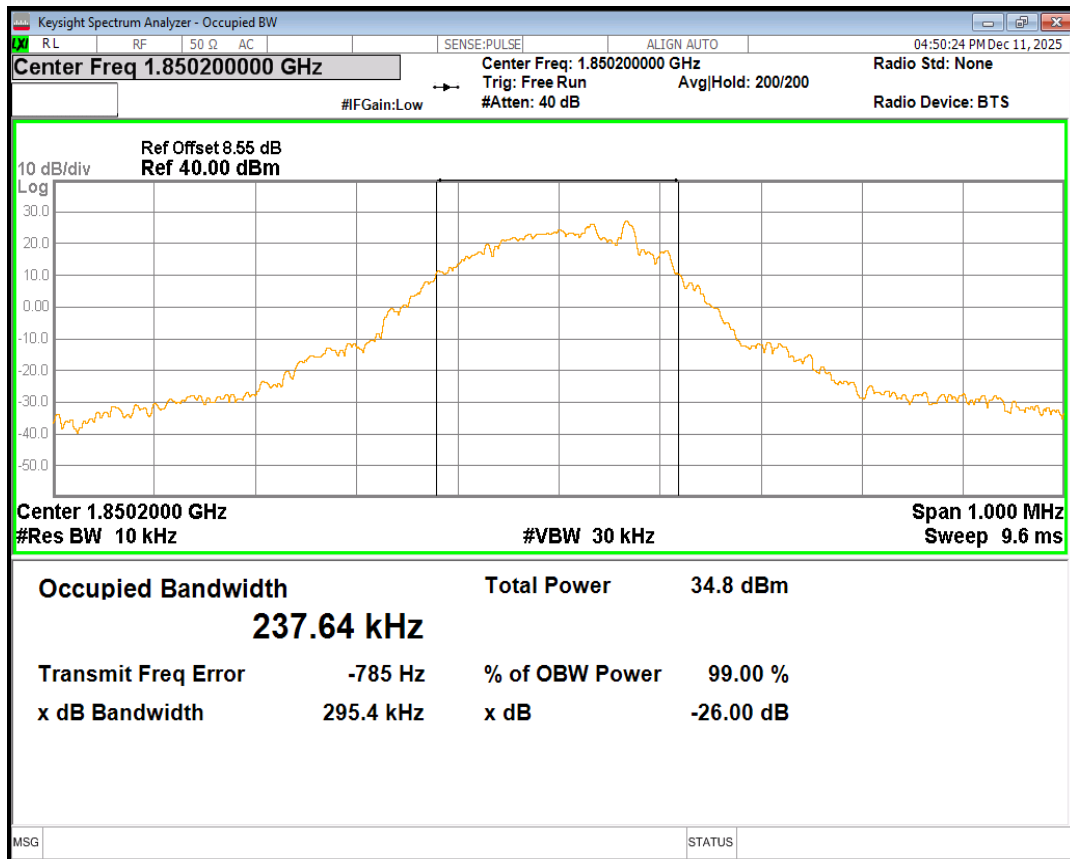
GSM850 Channel=251



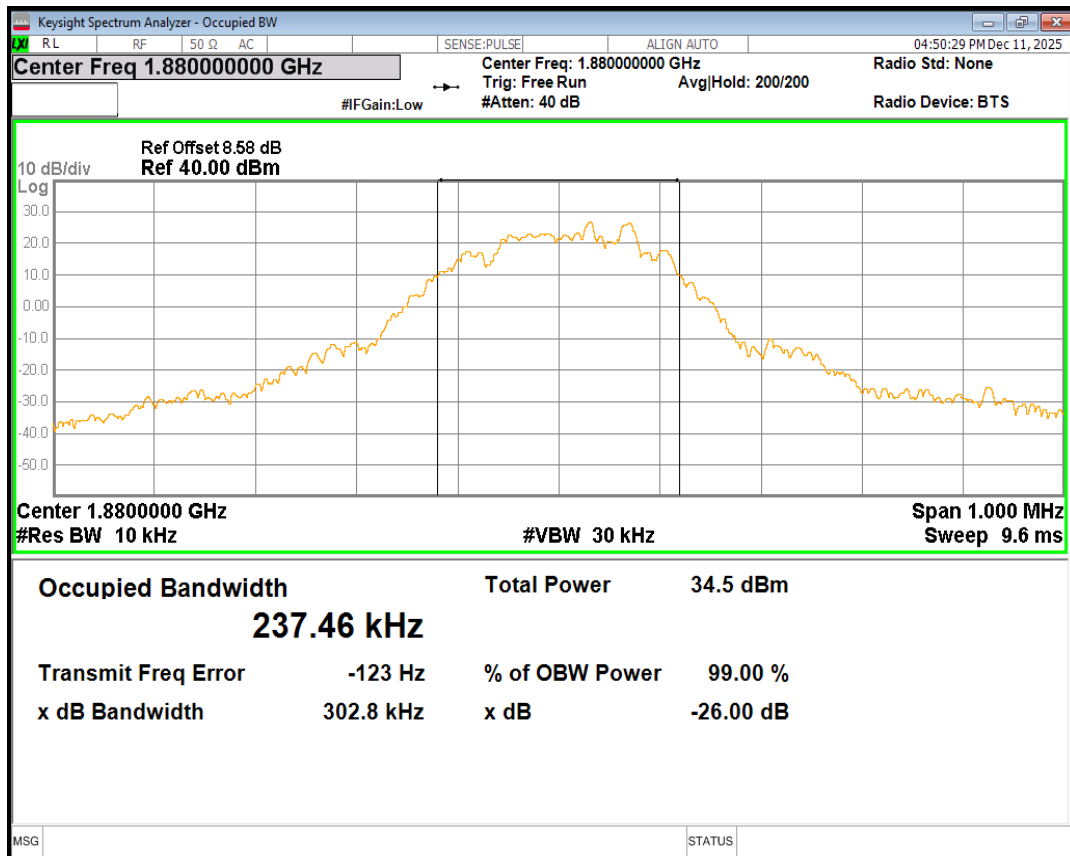
#### 04 Occupied bandwidth

| Band    | Channel | Frequency (MHz) | 99% OBW (kHz) | -26dB EBW (kHz) | Verdict |
|---------|---------|-----------------|---------------|-----------------|---------|
| GSM1900 | 512     | 1850.2          | 237.645       | 295.386         | PASS    |
| GSM1900 | 661     | 1880            | 237.463       | 302.804         | PASS    |
| GSM1900 | 810     | 1909.8          | 242.066       | 301.457         | PASS    |
| GSM850  | 128     | 824.2           | 241.832       | 302.361         | PASS    |
| GSM850  | 190     | 836.6           | 238.544       | 312.110         | PASS    |
| GSM850  | 251     | 848.8           | 239.387       | 303.679         | PASS    |

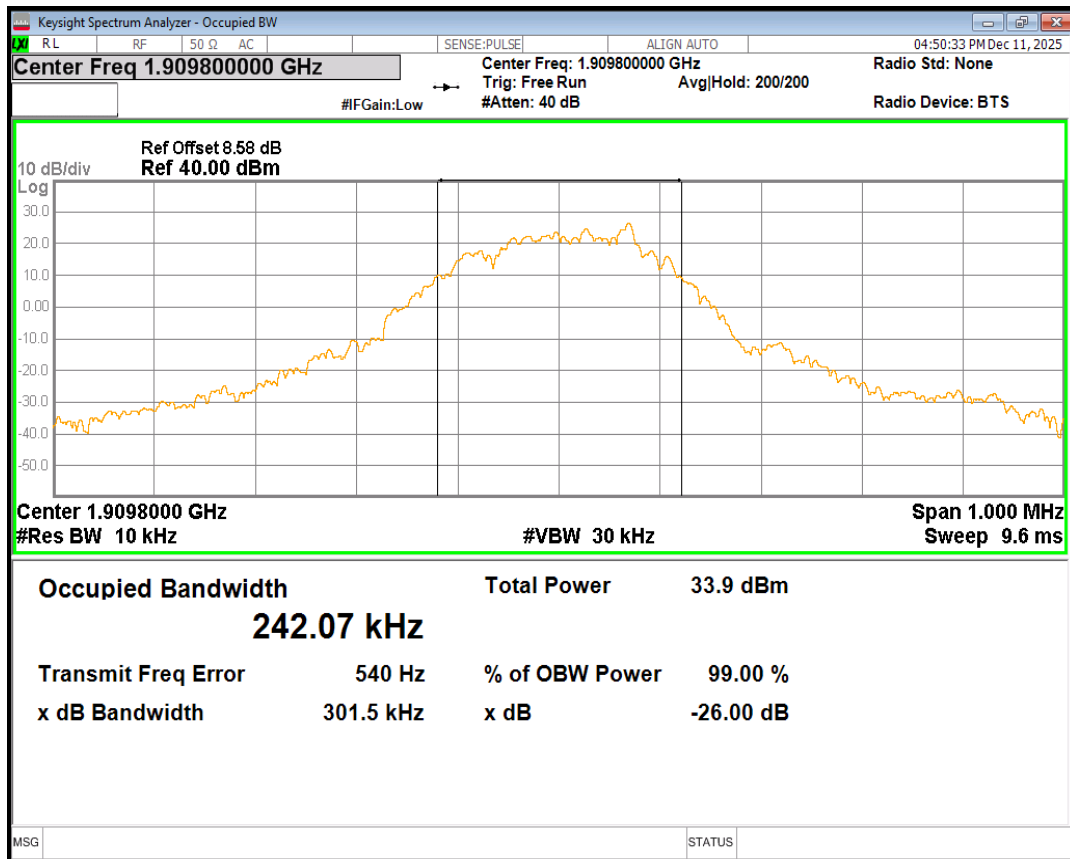
GSM1900 Channel=512



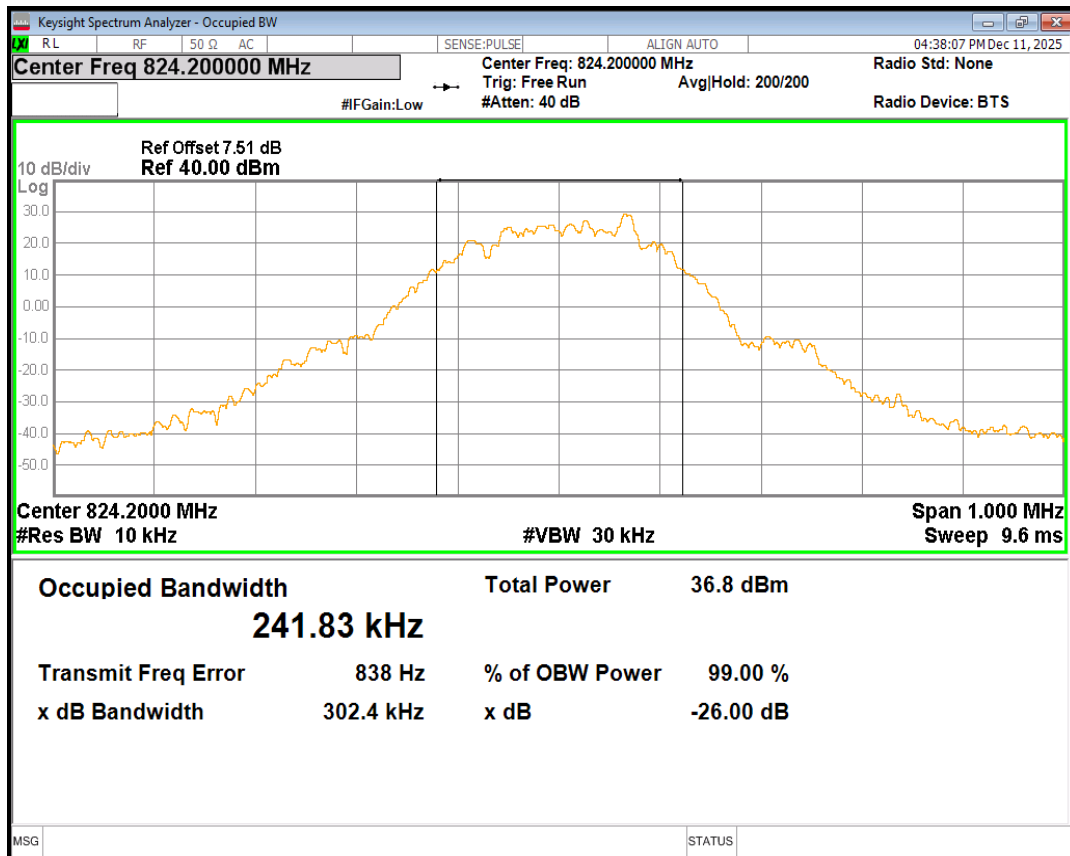
GSM1900 Channel=661



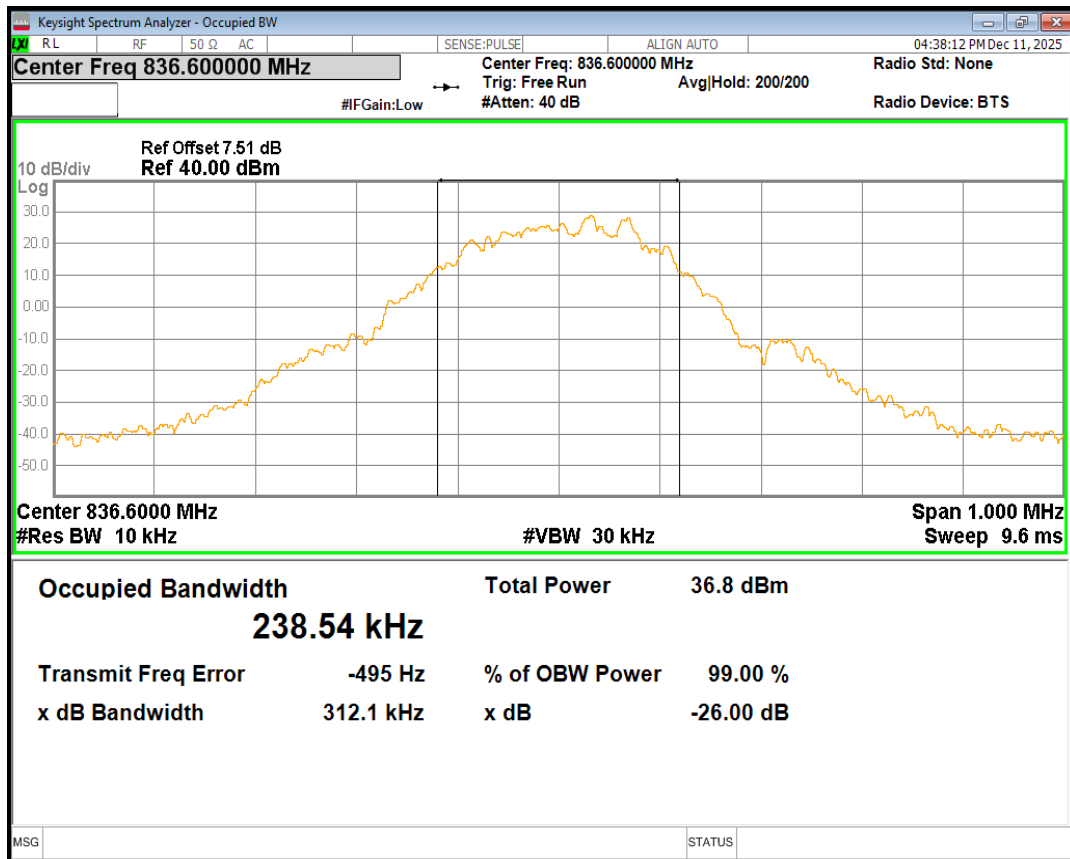
GSM1900 Channel=810



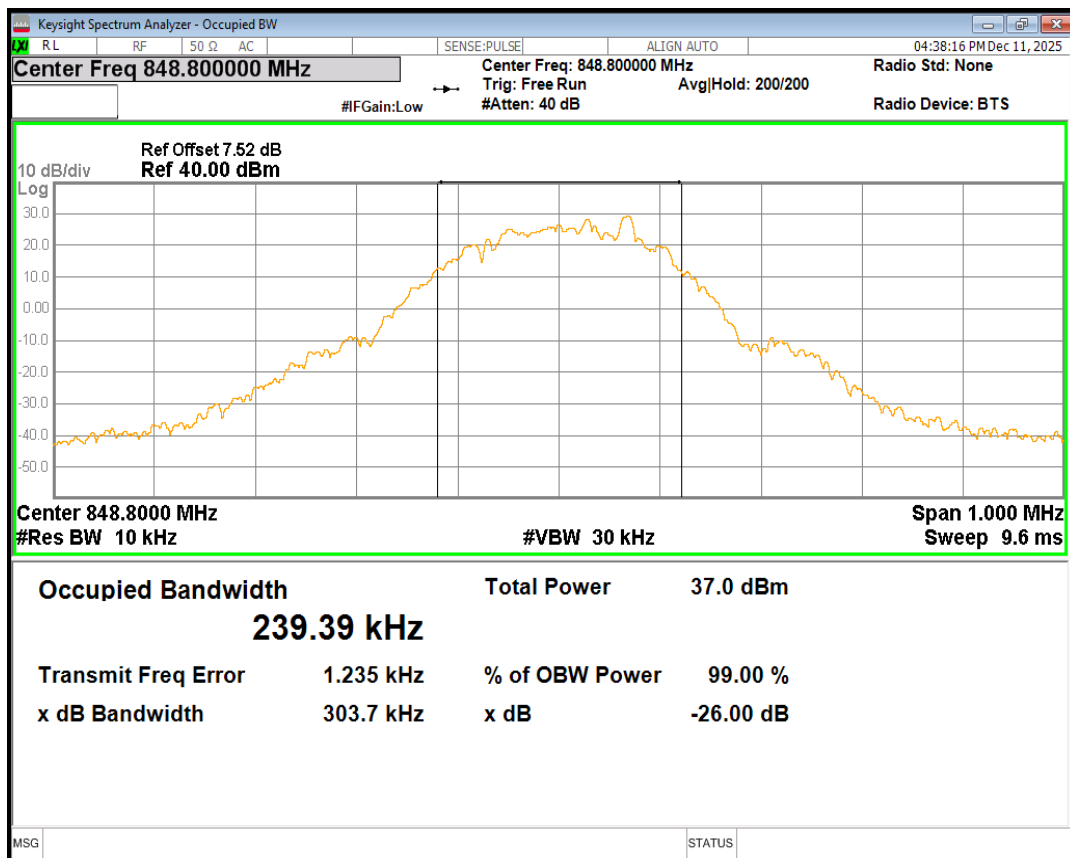
GSM850 Channel=128



GSM850 Channel=190



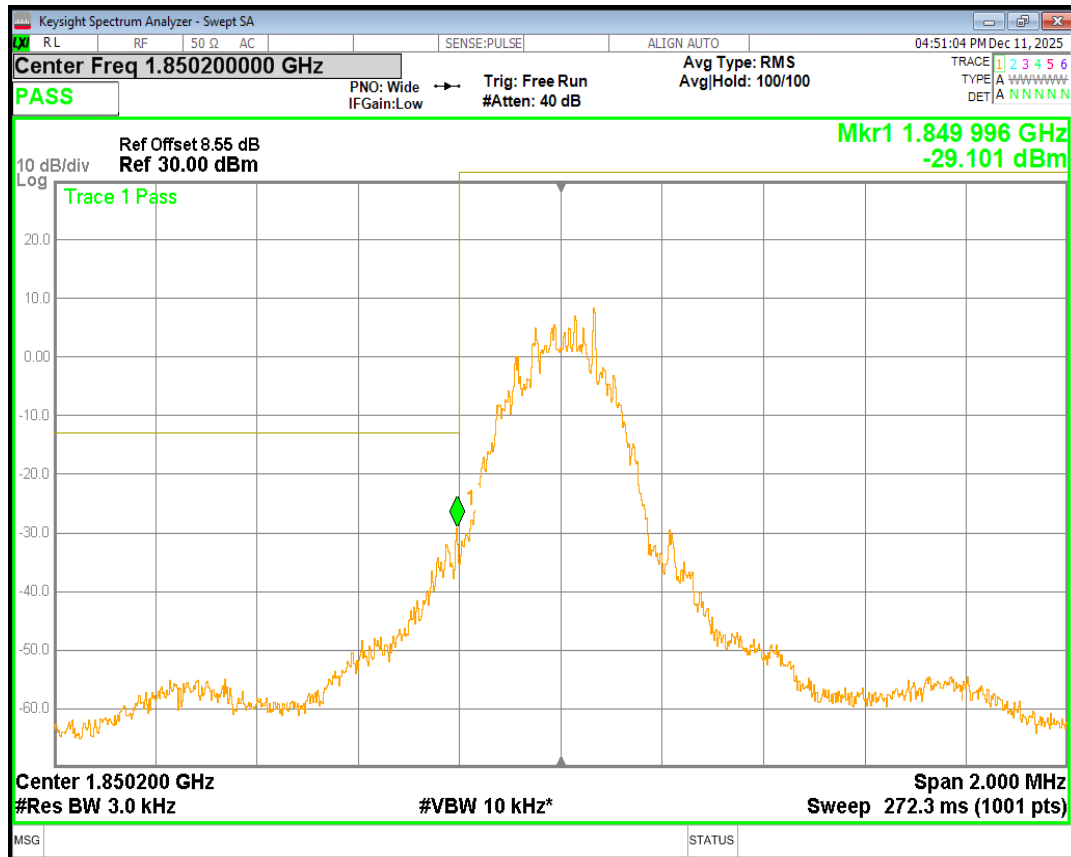
GSM850 Channel=251



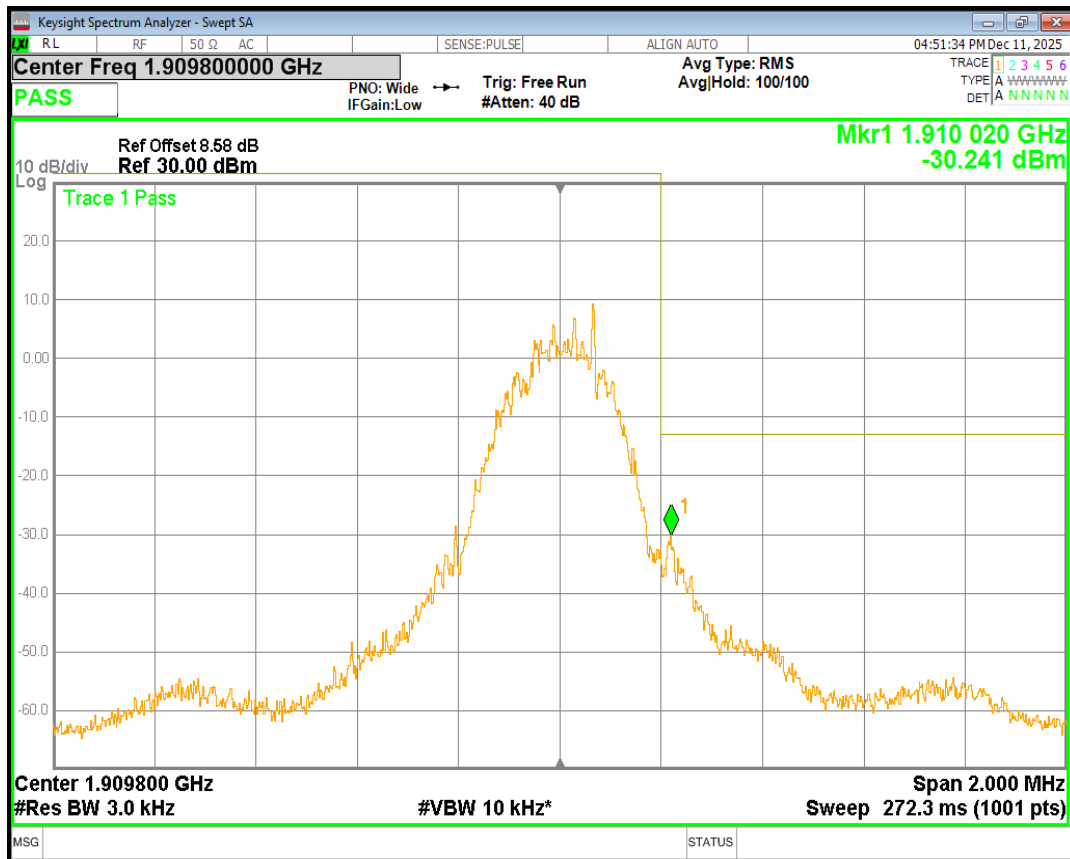
05 Band edge

| Band    | Channel | Frequency (MHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|---------|---------|-----------------|-----------------|------------------|-------------|---------|
| GSM1900 | 512     | 1850.2          | 1850.00         | -29.10           | -13         | PASS    |
| GSM1900 | 810     | 1909.8          | 1910.02         | -30.24           | -13         | PASS    |
| GSM850  | 128     | 824.2           | 824.00          | -26.69           | -13         | PASS    |
| GSM850  | 251     | 848.8           | 849.02          | -28.03           | -13         | PASS    |

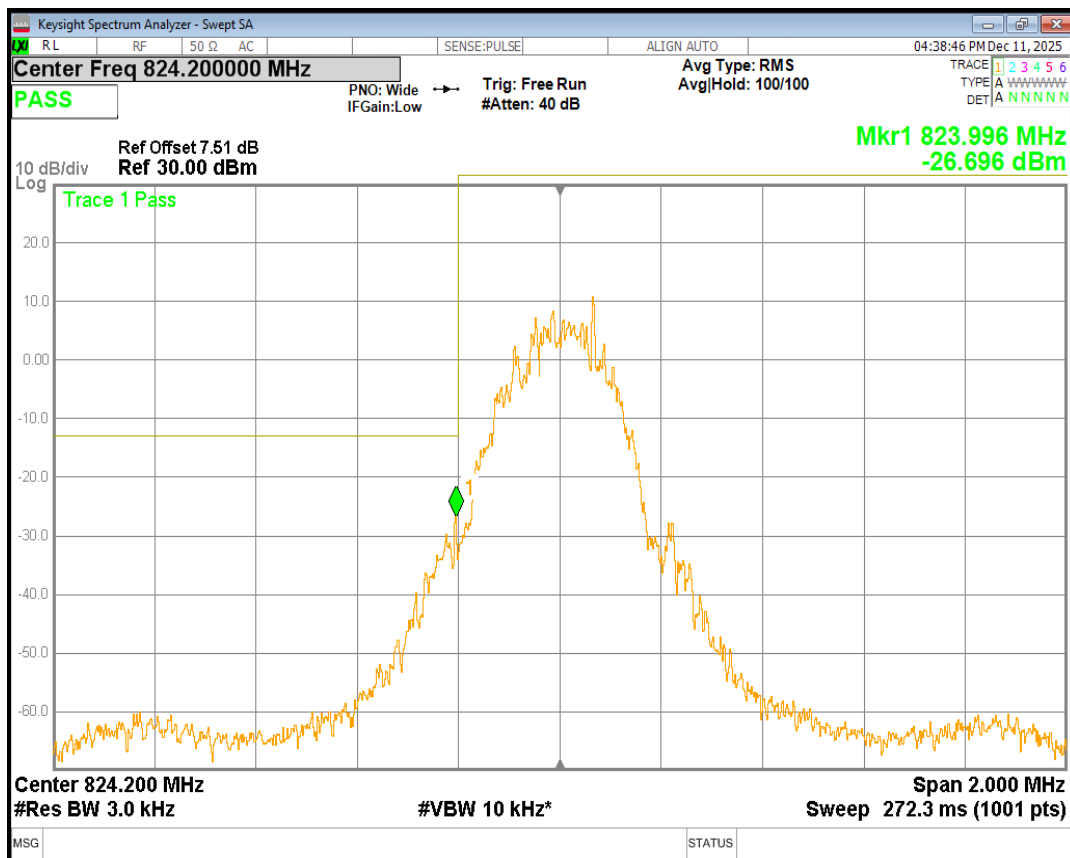
GSM1900 Channel=512



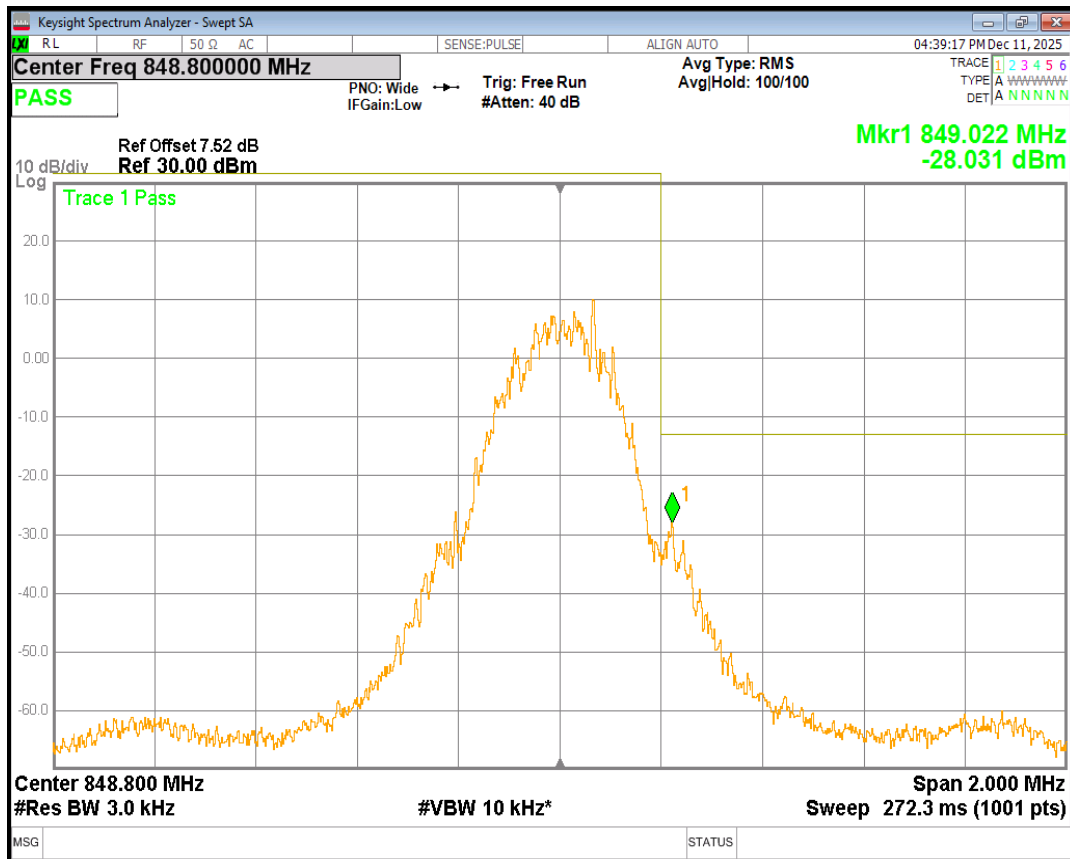
GSM1900 Channel=810



GSM850 Channel=128



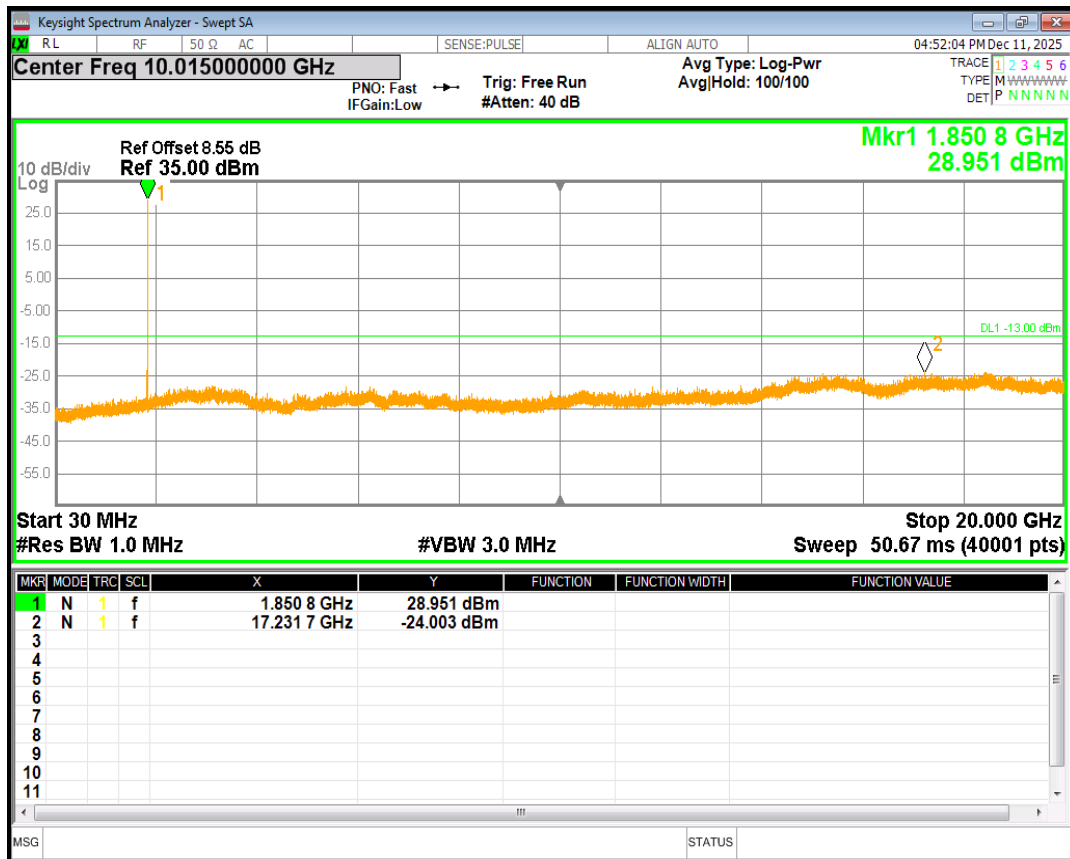
GSM850 Channel=251



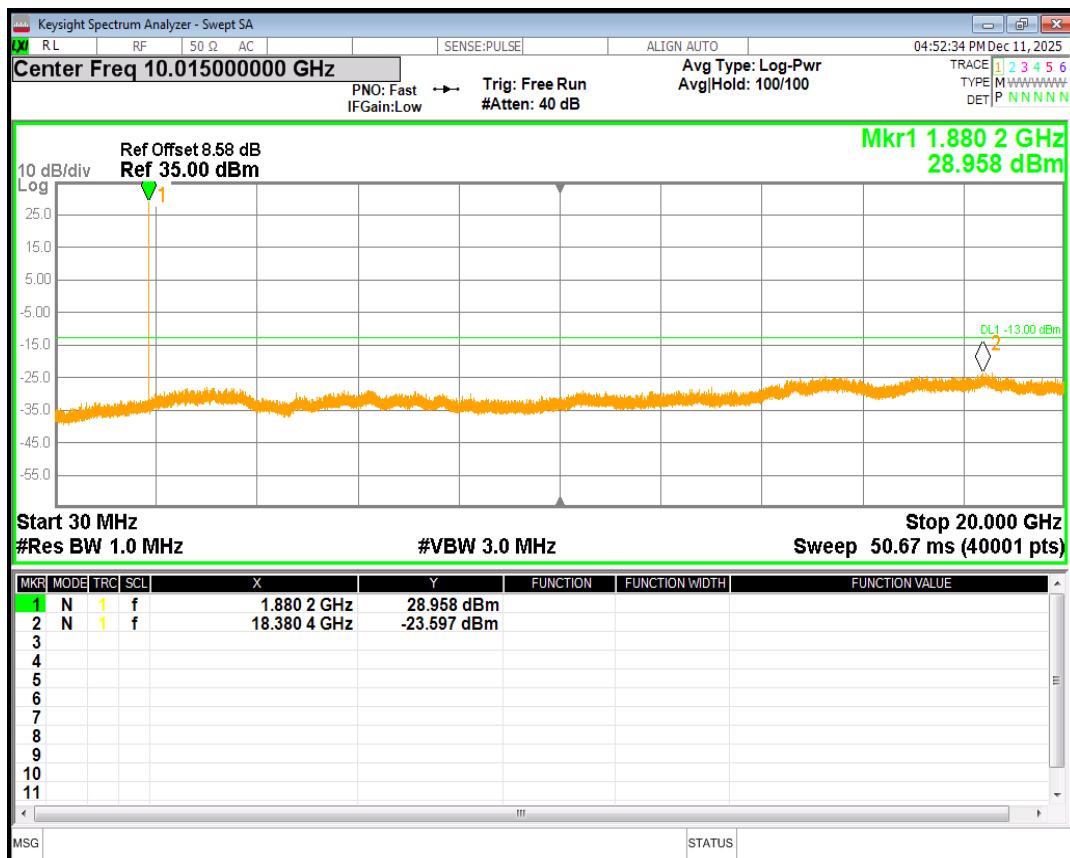
## 06 Out-of-band emissions

| Band    | Channel | Frequency (MHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|---------|---------|-----------------|-----------------|------------------|-------------|---------|
| GSM1900 | 512     | 1850.2          | 17231.66        | -24.00           | -13         | PASS    |
| GSM1900 | 661     | 1880            | 18380.43        | -23.59           | -13         | PASS    |
| GSM1900 | 810     | 1909.8          | 17927.11        | -24.02           | -13         | PASS    |
| GSM850  | 128     | 824.2           | 2768.76         | -29.12           | -13         | PASS    |
| GSM850  | 190     | 836.6           | 2747.32         | -28.63           | -13         | PASS    |
| GSM850  | 251     | 848.8           | 3038.95         | -28.71           | -13         | PASS    |

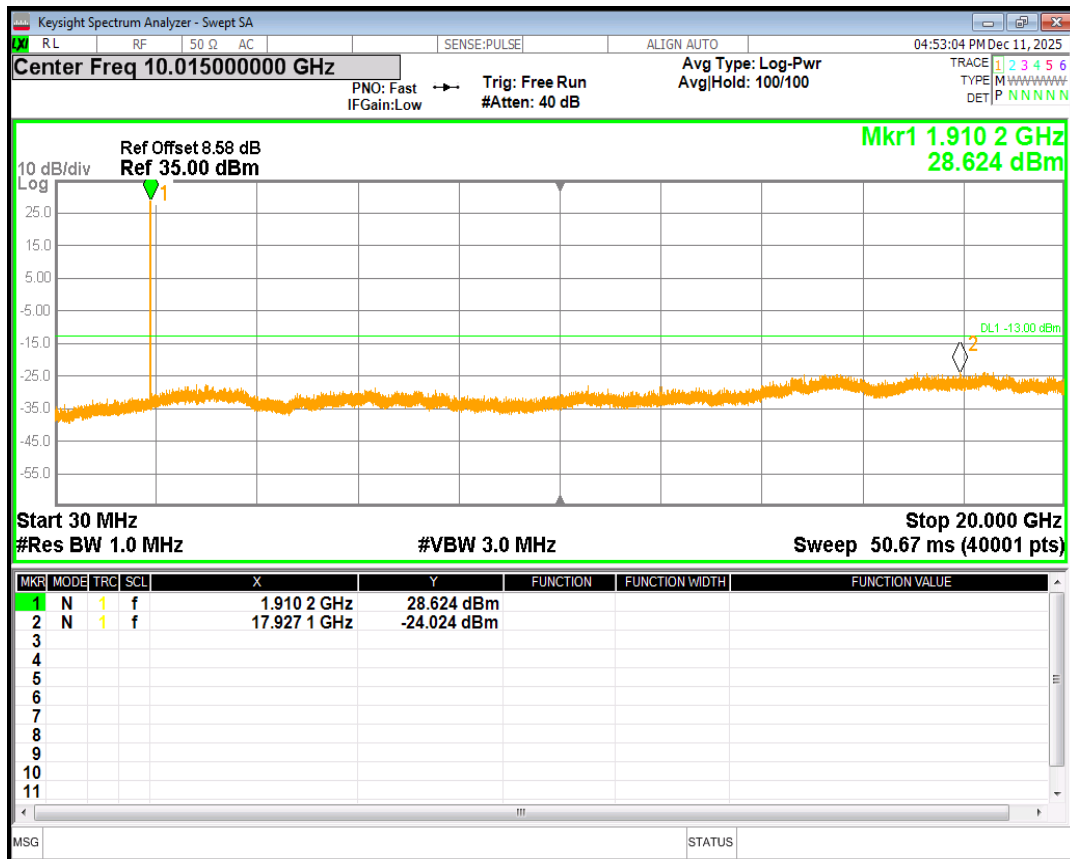
GSM1900 Channel=512



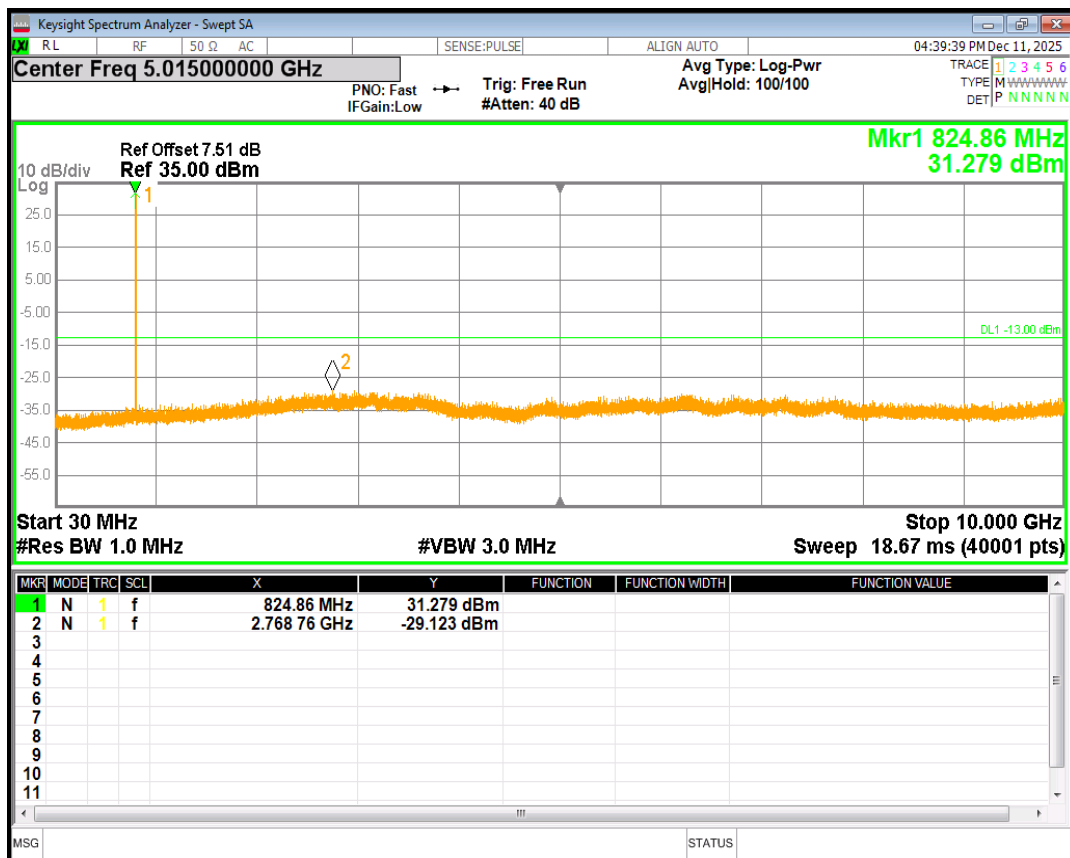
GSM1900 Channel=661



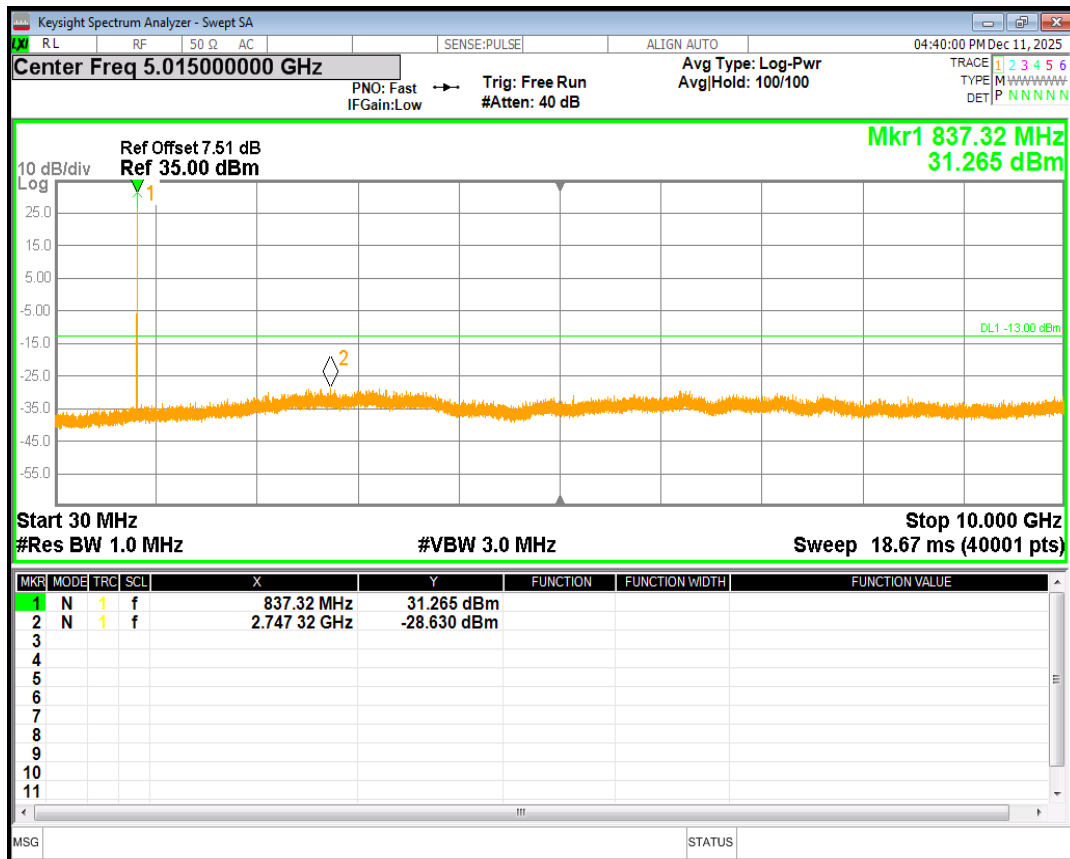
GSM1900 Channel=810



GSM850 Channel=128



GSM850 Channel=190



GSM850 Channel=251

