

# ANNEX2

## FCC ID: 2BAWE-MV01

Applicant: Noran International Technology Co., LTD

Address: Room 508, Building M10, Maqueling Industrial Zone, Nanshan District, Shenzhen, Guangdong, China

Manufacturer: Noran International Technology Co., LTD

Address: Room 508, Building M10, Maqueling Industrial Zone, Nanshan District, Shenzhen, Guangdong, China

EUT: Car tracker anti-theft

Trade Mark: N/A

Model Number: MV01

Date of Receipt: Mar. 25, 2023

Test Date: Mar. 25, 2023 – Apr. 10, 2023

Date of Report: Apr. 10, 2023

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong Industrial Zone, Baolong Street, Longgang District, Shenzhen, Guangdong, China

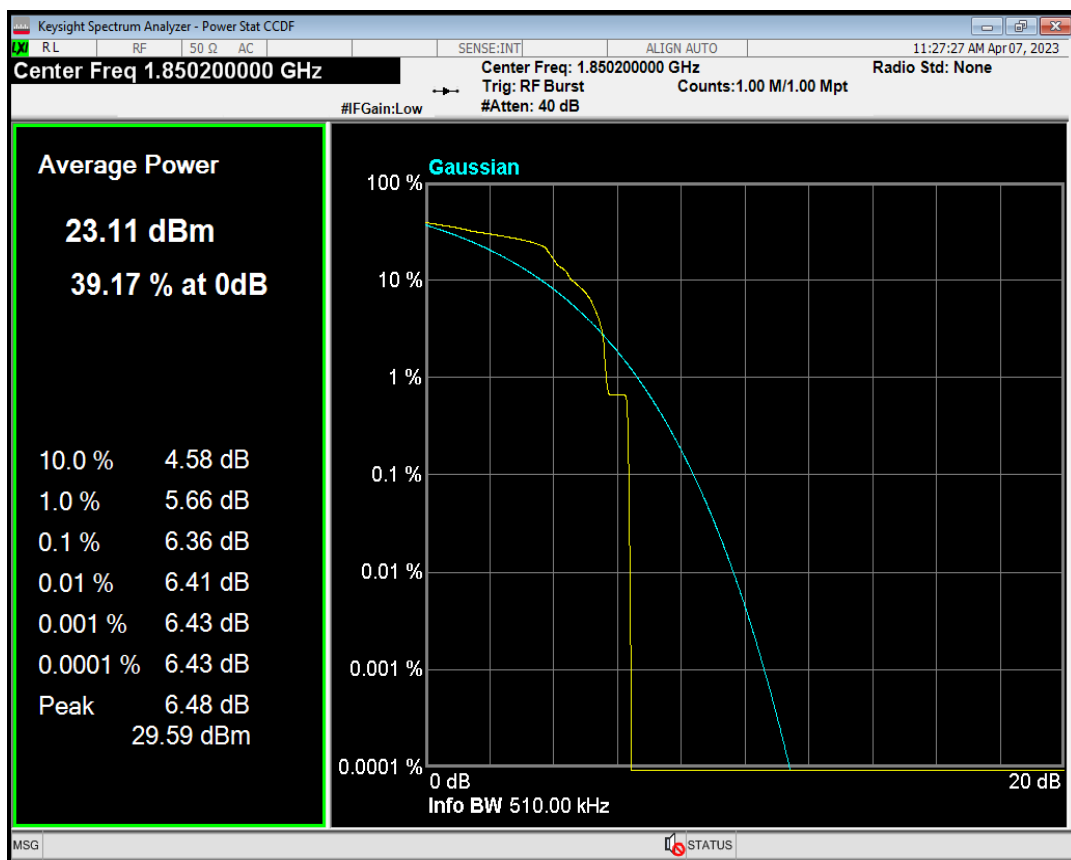
Applicable Standards: FCC CFR Title 47 Part22 Subpart H  
FCC CFR Title 47 Part24 Subpart E  
FCC CFR Title 47 Part27  
ANSI/ TIA/ EIA-603-D-2010  
FCC KDB 971168 D01 Power Meas. License Digital Systems v02v02  
ANSI C63.26:2015

Test Result: Pass

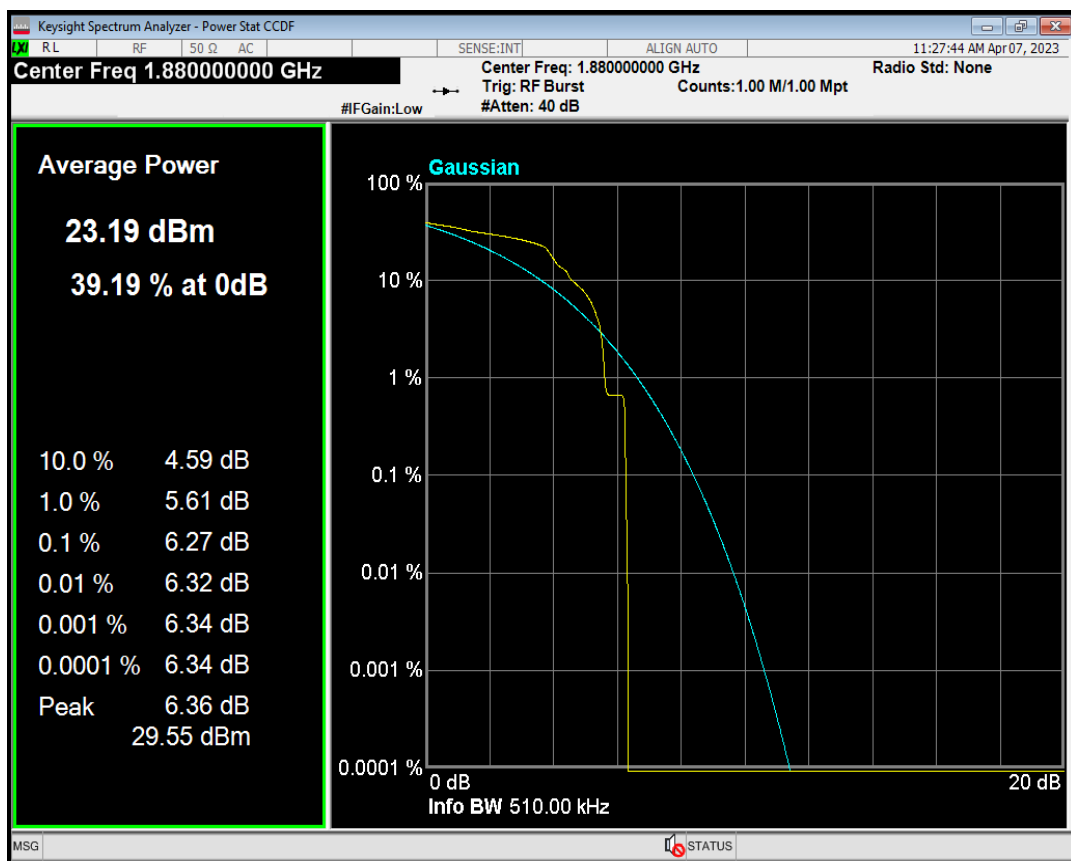
### 15 Peak-to-Average Ratio

| Band      | Channel | Frequency (MHz) | Result (dB) | high Limit (dB) | Verdict |
|-----------|---------|-----------------|-------------|-----------------|---------|
| EGPRS1900 | 512     | 1850.2          | 6.36039627  | 13.00           | PASS    |
| EGPRS1900 | 661     | 1880            | 6.274053537 | 13.00           | PASS    |
| EGPRS1900 | 810     | 1909.8          | 6.131382289 | 13.00           | PASS    |
| EGPRS850  | 128     | 824.2           | 8.807001862 | 13.00           | PASS    |
| EGPRS850  | 190     | 836.6           | 8.849071856 | 13.00           | PASS    |
| EGPRS850  | 251     | 848.8           | 8.664113208 | 13.00           | PASS    |

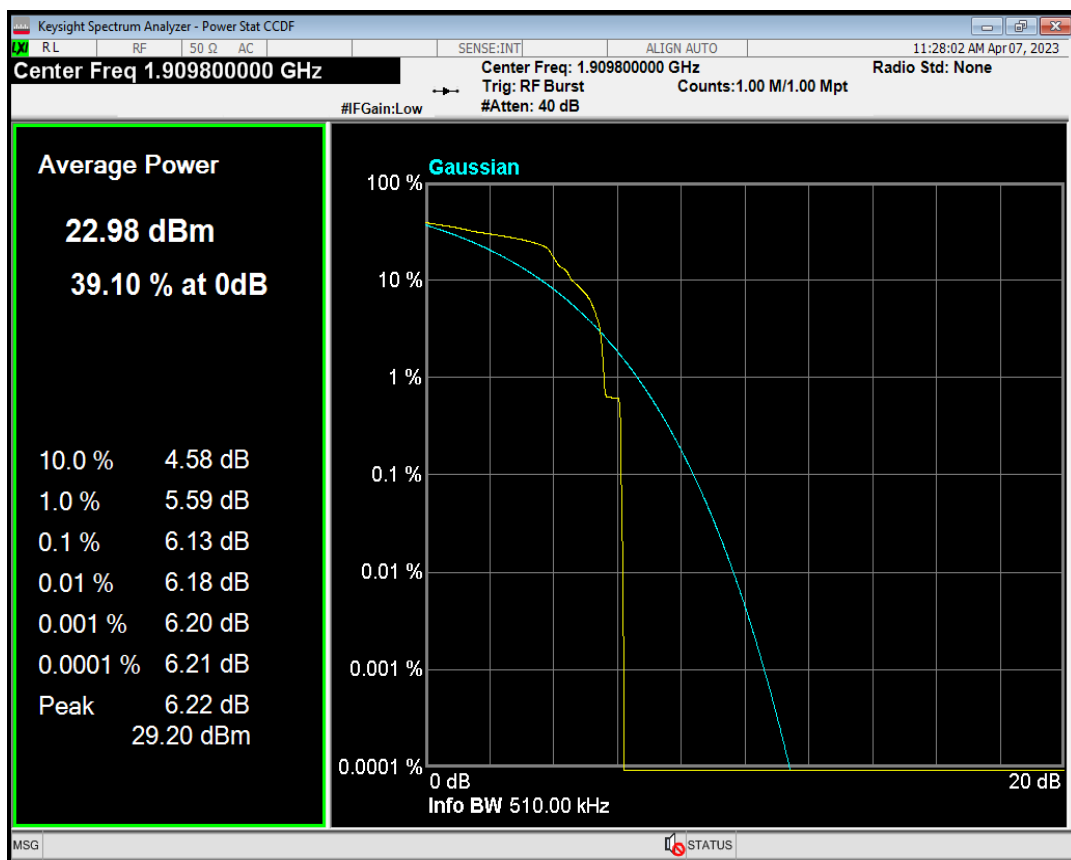
EGPRS1900 Channel=512



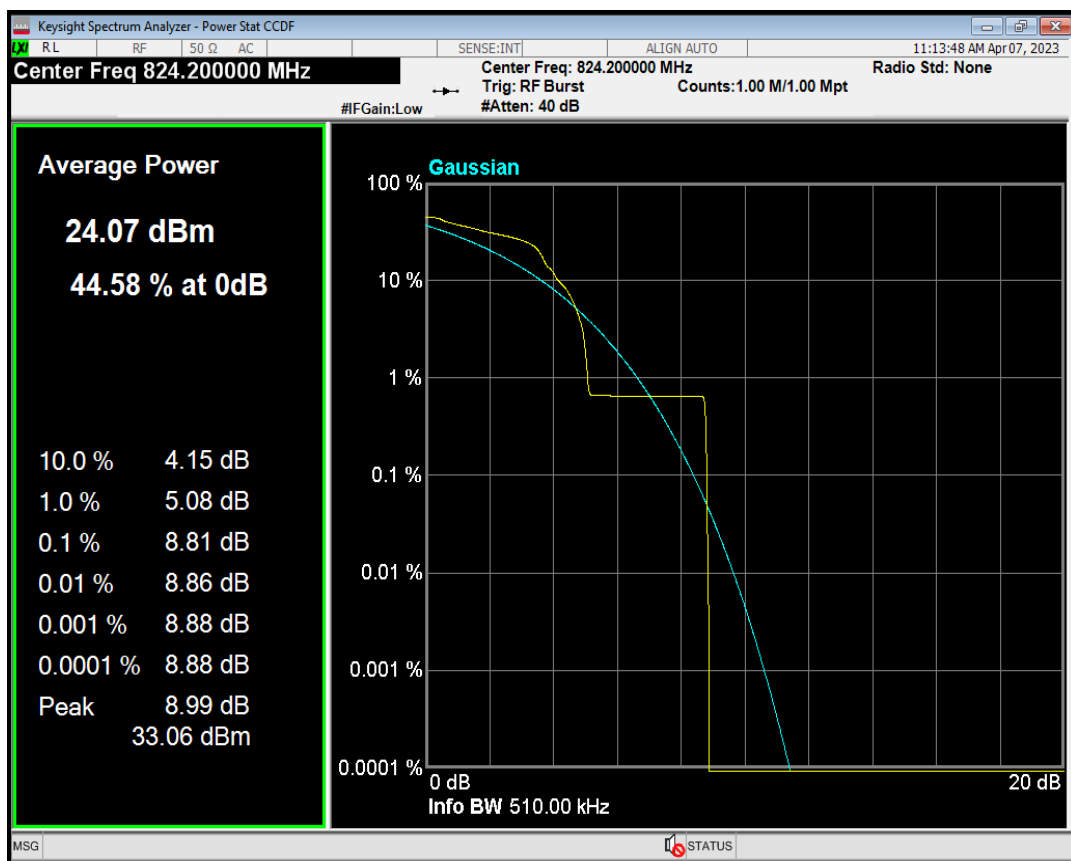
EGPRS1900 Channel=661



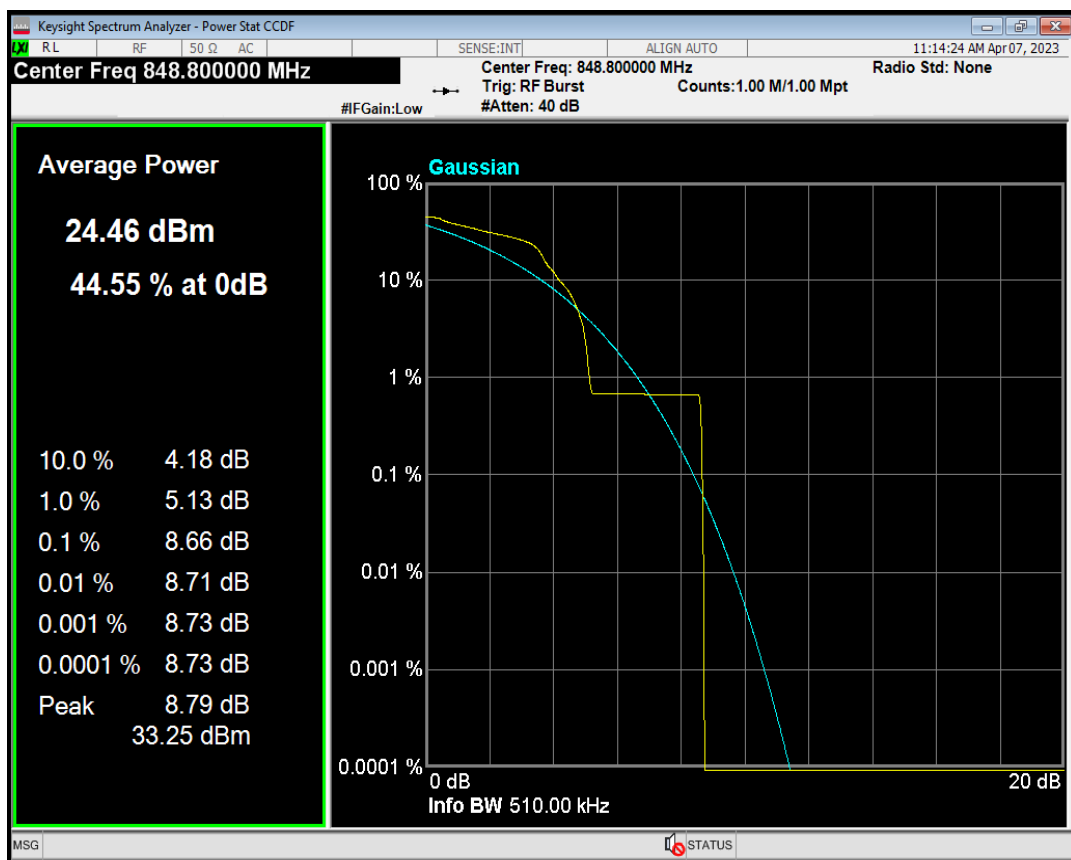
EGPRS1900 Channel=810



EGPRS850 Channel=128



EGPRS850 Channel=251



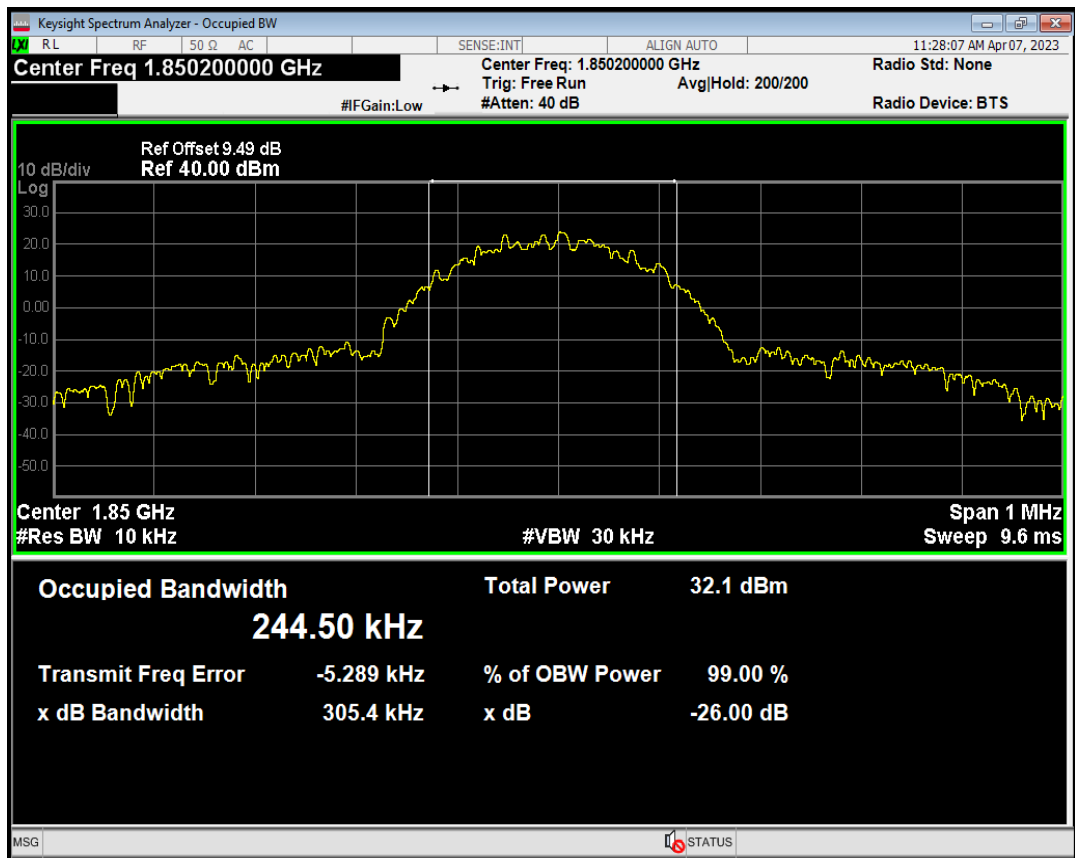
EGPRS850 Channel=190



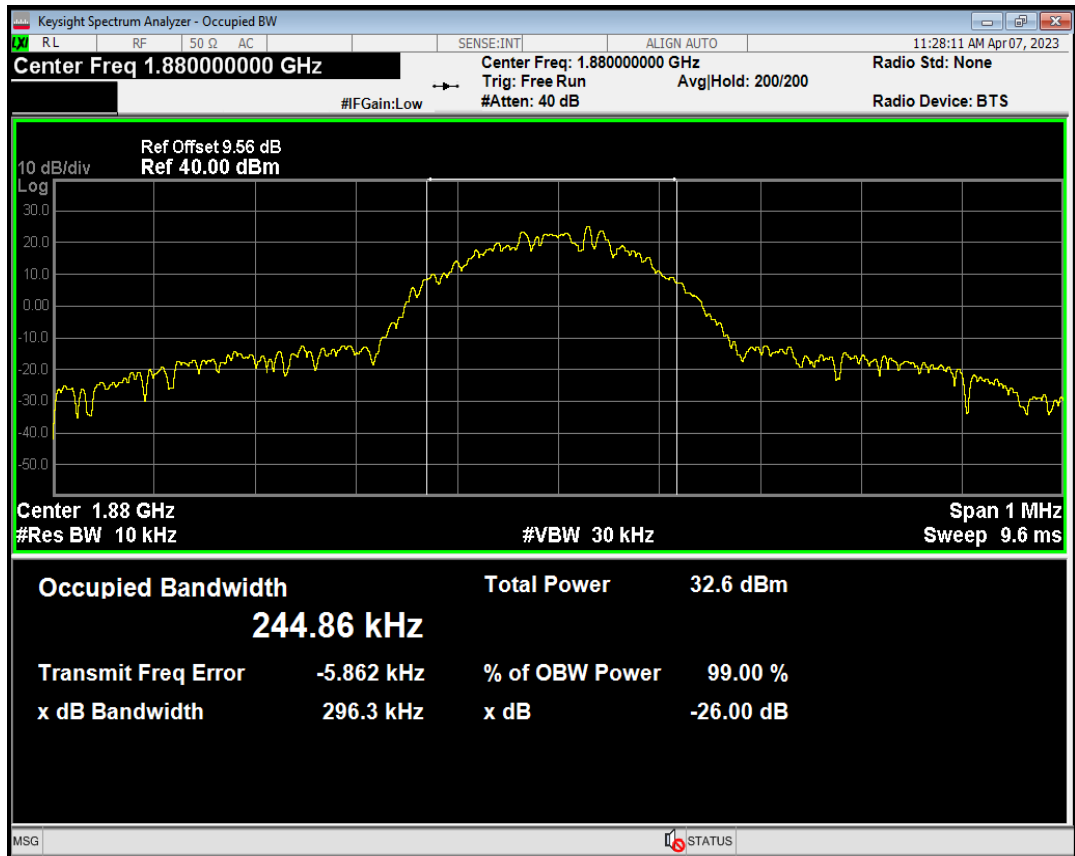
## 16 Occupied bandwidth

| Band      | Channel | Frequency (MHz) | 99% OBW (kHz) | -26dB EBW (kHz) | Verdict |
|-----------|---------|-----------------|---------------|-----------------|---------|
| EGPRS1900 | 512     | 1850.2          | 244.504       | 305.374         | PASS    |
| EGPRS1900 | 661     | 1880            | 244.864       | 296.264         | PASS    |
| EGPRS1900 | 810     | 1909.8          | 243.735       | 302.434         | PASS    |
| EGPRS850  | 128     | 824.2           | 268.159       | 331.127         | PASS    |
| EGPRS850  | 190     | 836.6           | 249.246       | 297.197         | PASS    |
| EGPRS850  | 251     | 848.8           | 248.968       | 316.717         | PASS    |

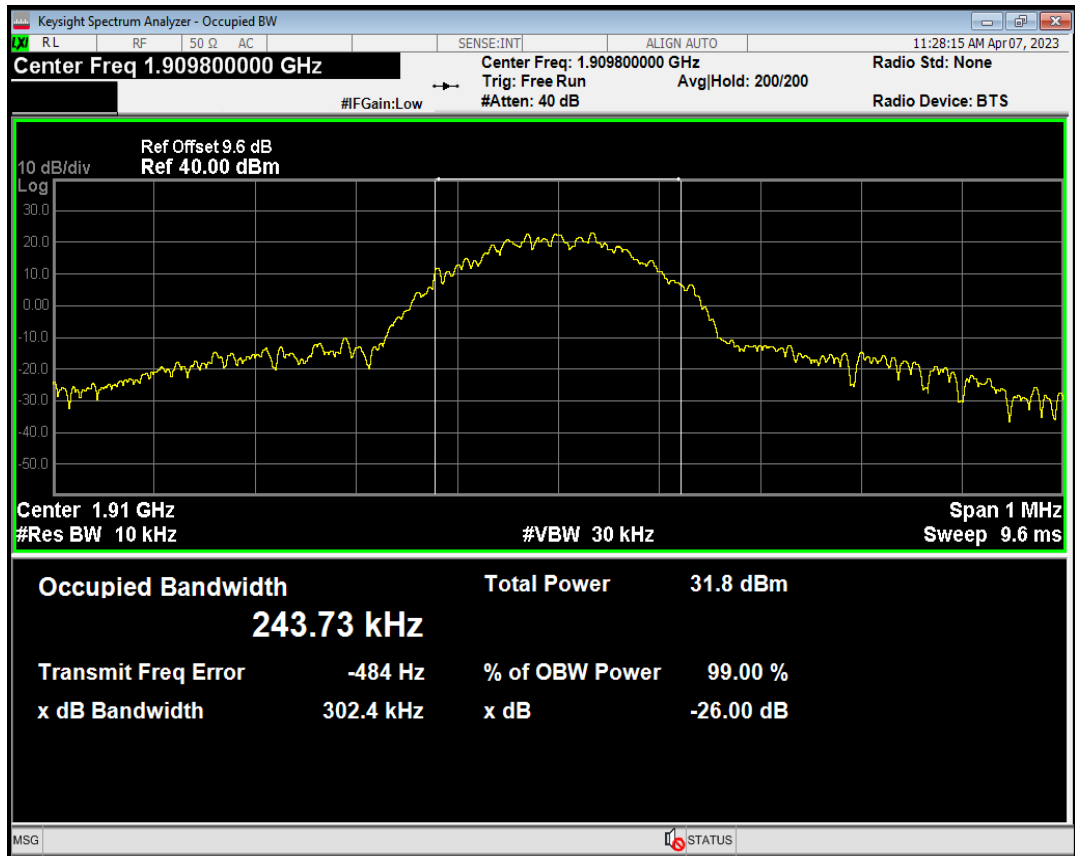
EGPRS1900 Channel=512



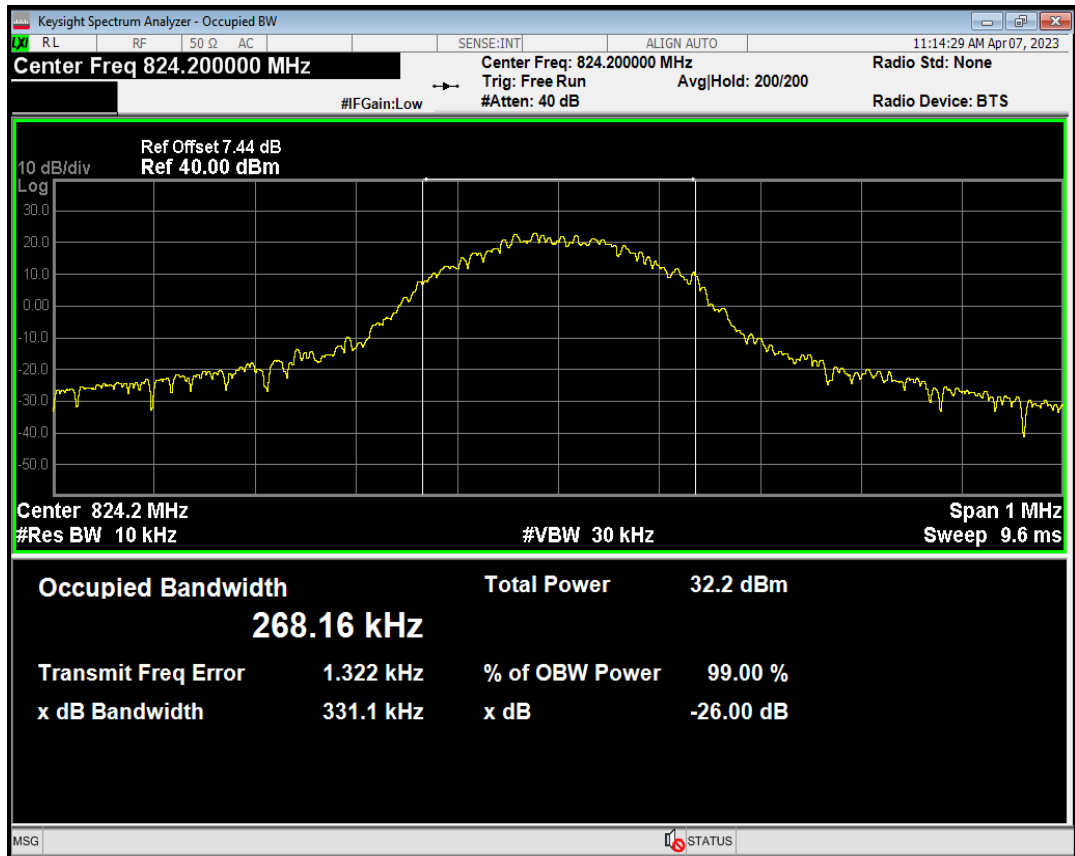
EGPRS1900 Channel=661



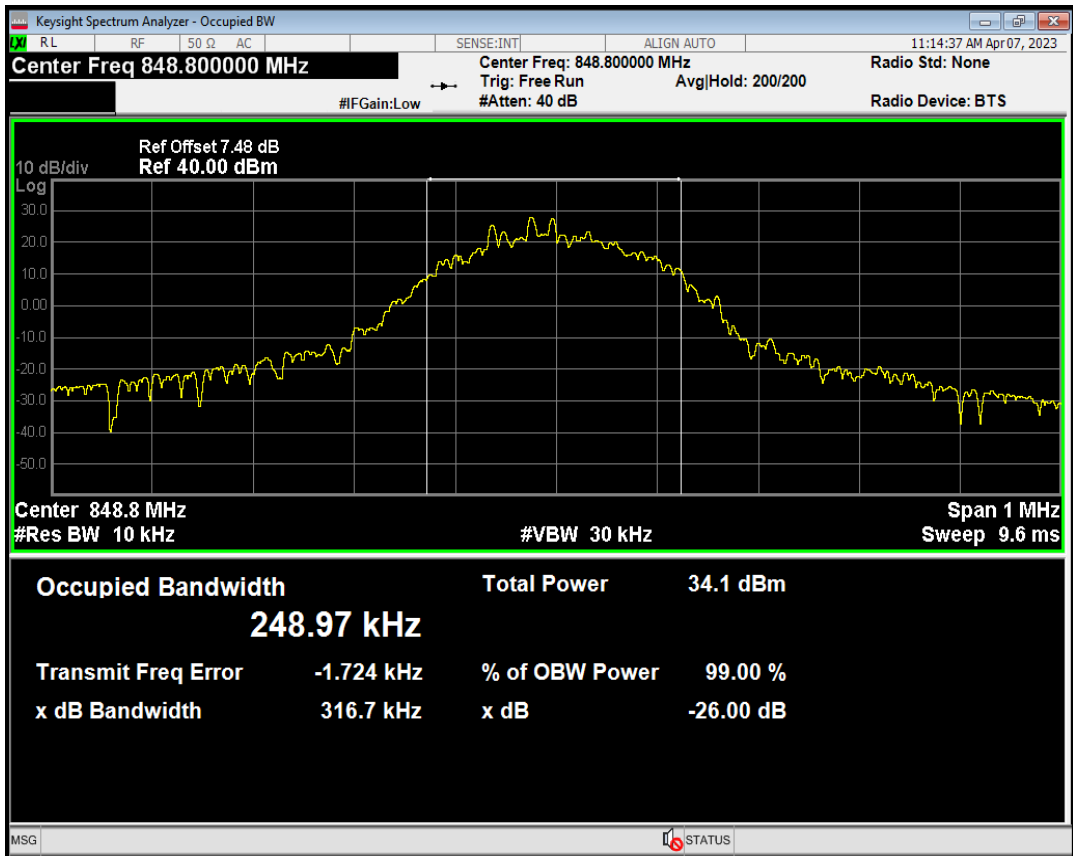
# EGPRS1900 Channel=810



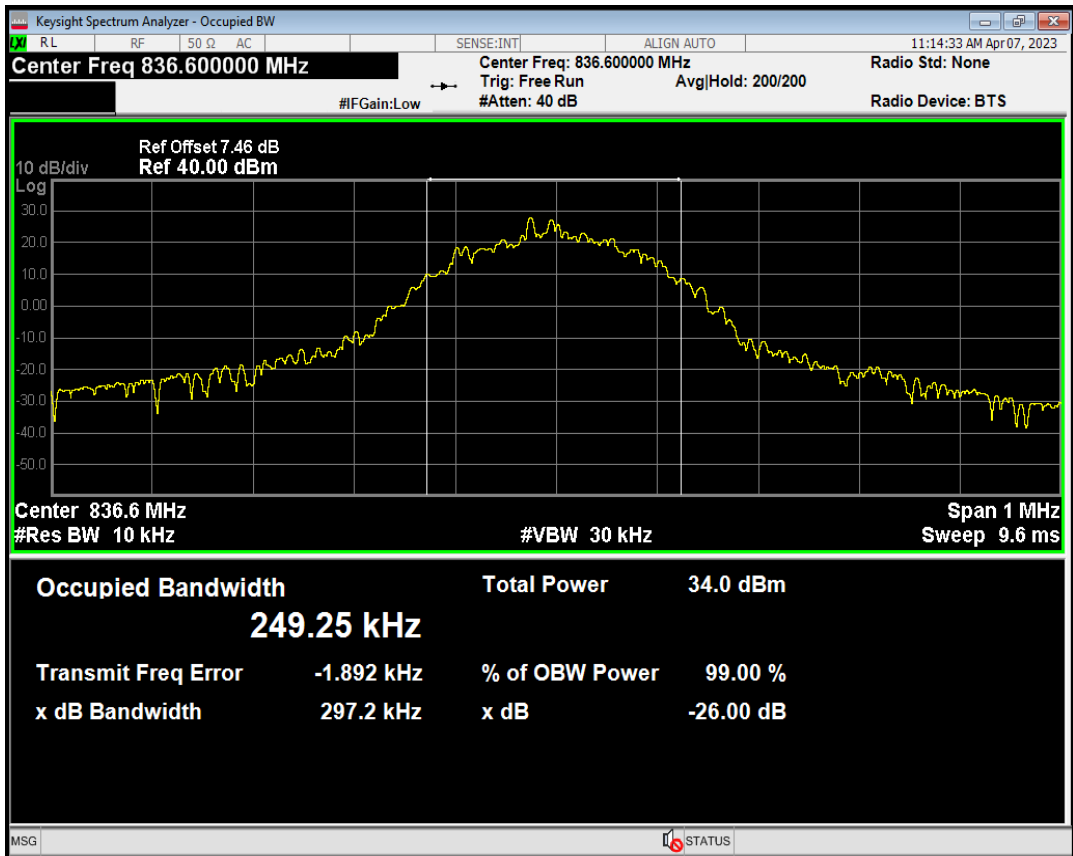
# EGPRS850 Channel=128



EGPRS850 Channel=251



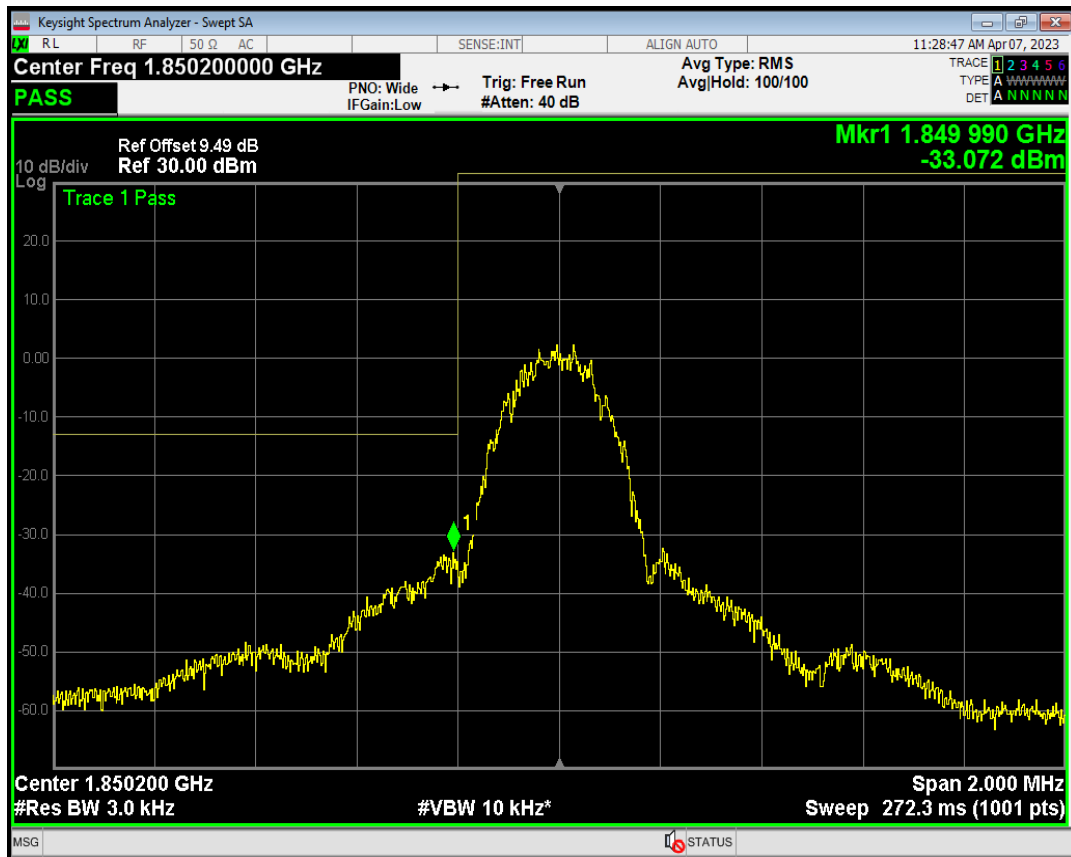
EGPRS850 Channel=190



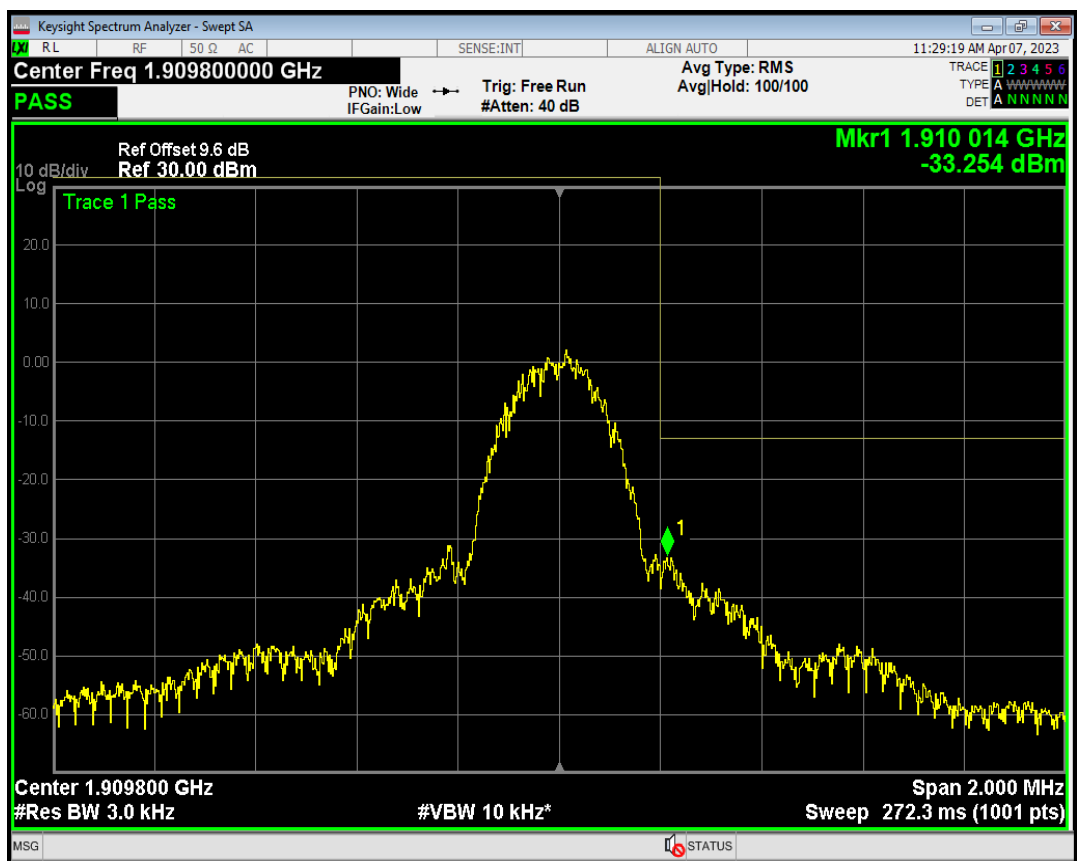
## 17 Band edge

| Band      | Channel | Frequency (MHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|-----------|---------|-----------------|-----------------|------------------|-------------|---------|
| EGPRS1900 | 512     | 1850.2          | 1849.99         | -33.07           | -13         | PASS    |
| EGPRS1900 | 810     | 1909.8          | 1910.01         | -33.25           | -13         | PASS    |
| EGPRS850  | 128     | 824.2           | 823.98          | -32.22           | -13         | PASS    |
| EGPRS850  | 251     | 848.8           | 849.01          | -32.56           | -13         | PASS    |

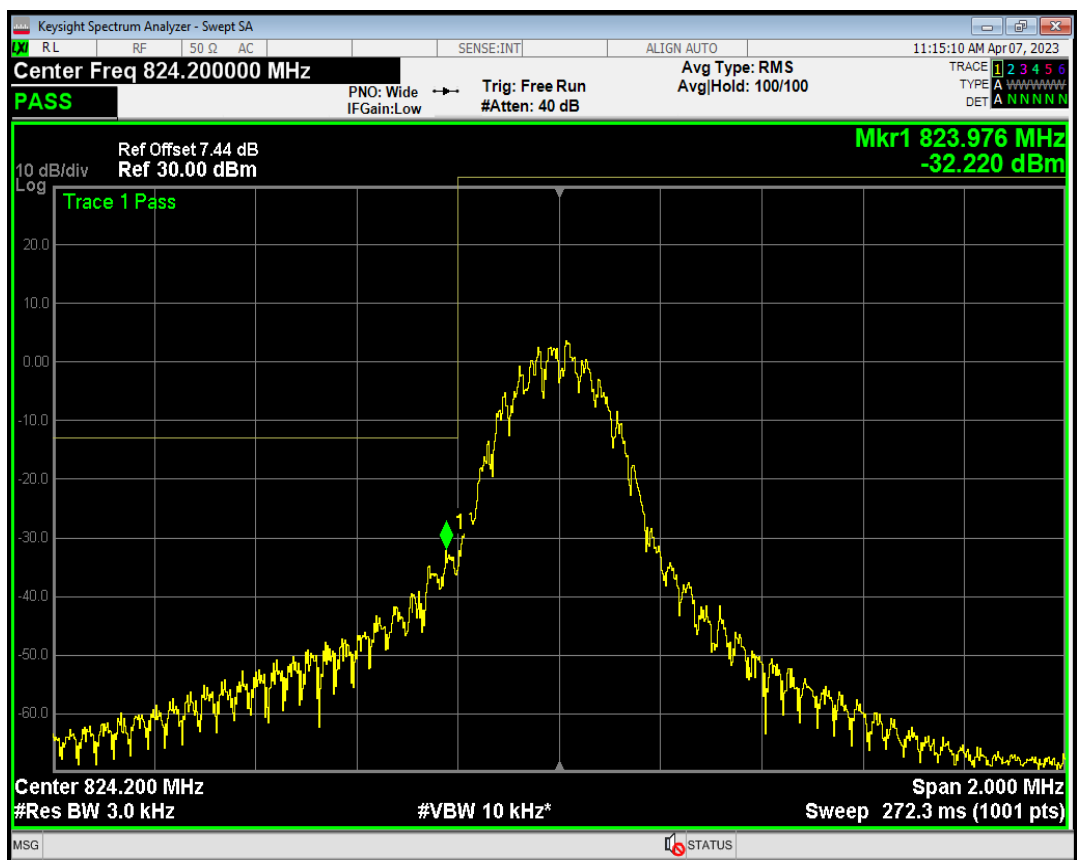
EGPRS1900 Channel=512



EGPRS1900 Channel=810



EGPRS850 Channel=128



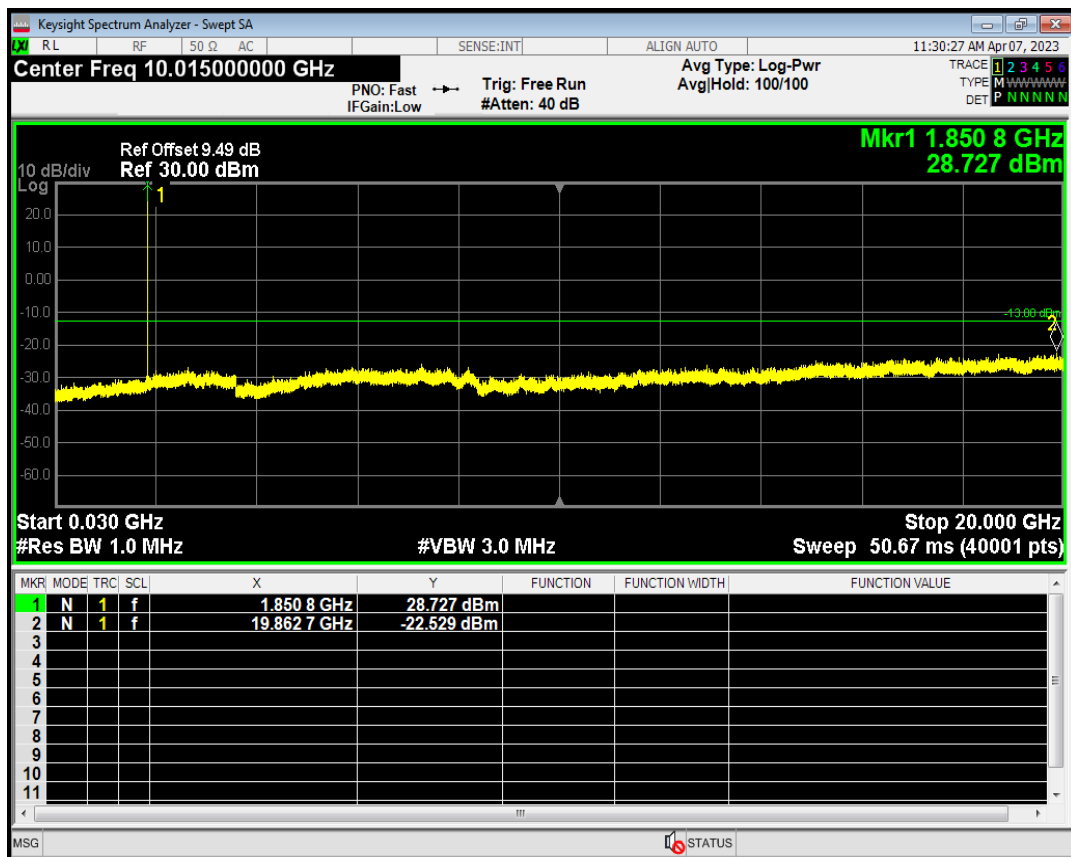
EGPRS850 Channel=251



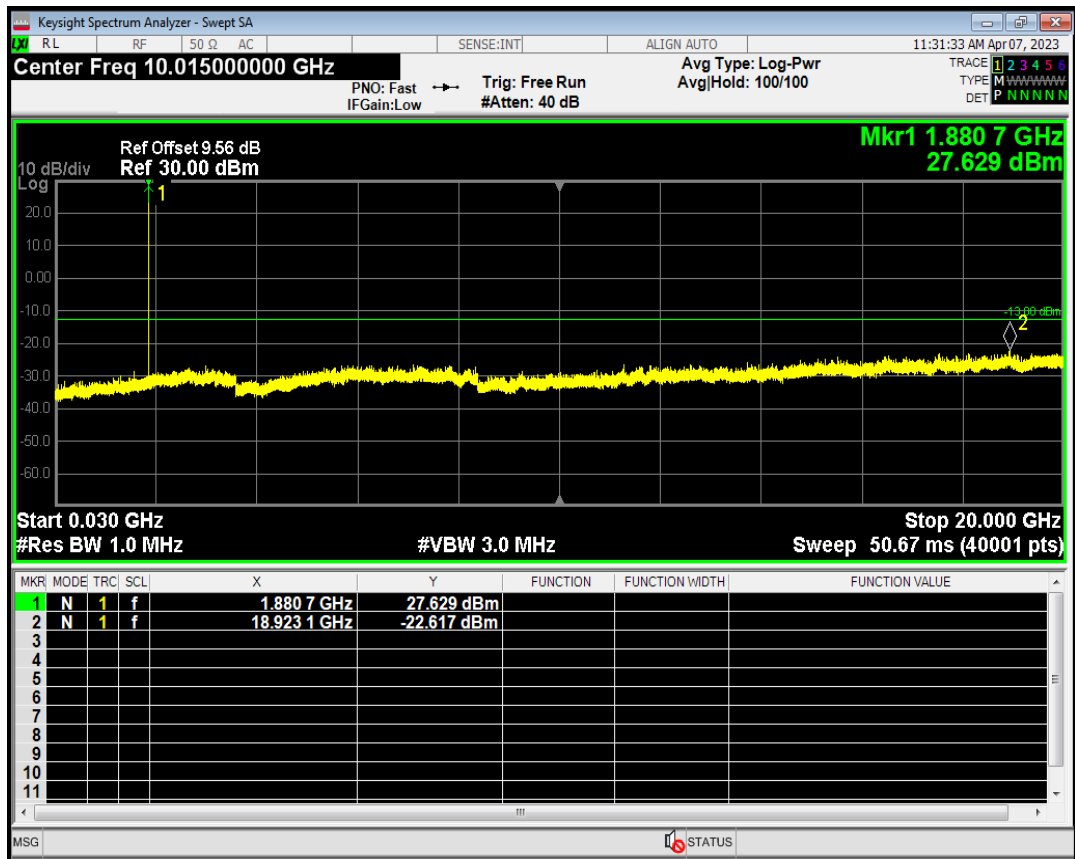
## 18 Out-of-band emissions

| Band      | Channel | Frequency (MHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|-----------|---------|-----------------|-----------------|------------------|-------------|---------|
| EGPRS1900 | 512     | 1850.2          | 19862.71        | -22.52           | -13         | PASS    |
| EGPRS1900 | 661     | 1880            | 18923.12        | -22.61           | -13         | PASS    |
| EGPRS1900 | 810     | 1909.8          | 19731.90        | -22.37           | -13         | PASS    |
| EGPRS850  | 128     | 824.2           | 7827.29         | -28.83           | -13         | PASS    |
| EGPRS850  | 190     | 836.6           | 5899.59         | -28.39           | -13         | PASS    |
| EGPRS850  | 251     | 848.8           | 6907.06         | -27.34           | -13         | PASS    |

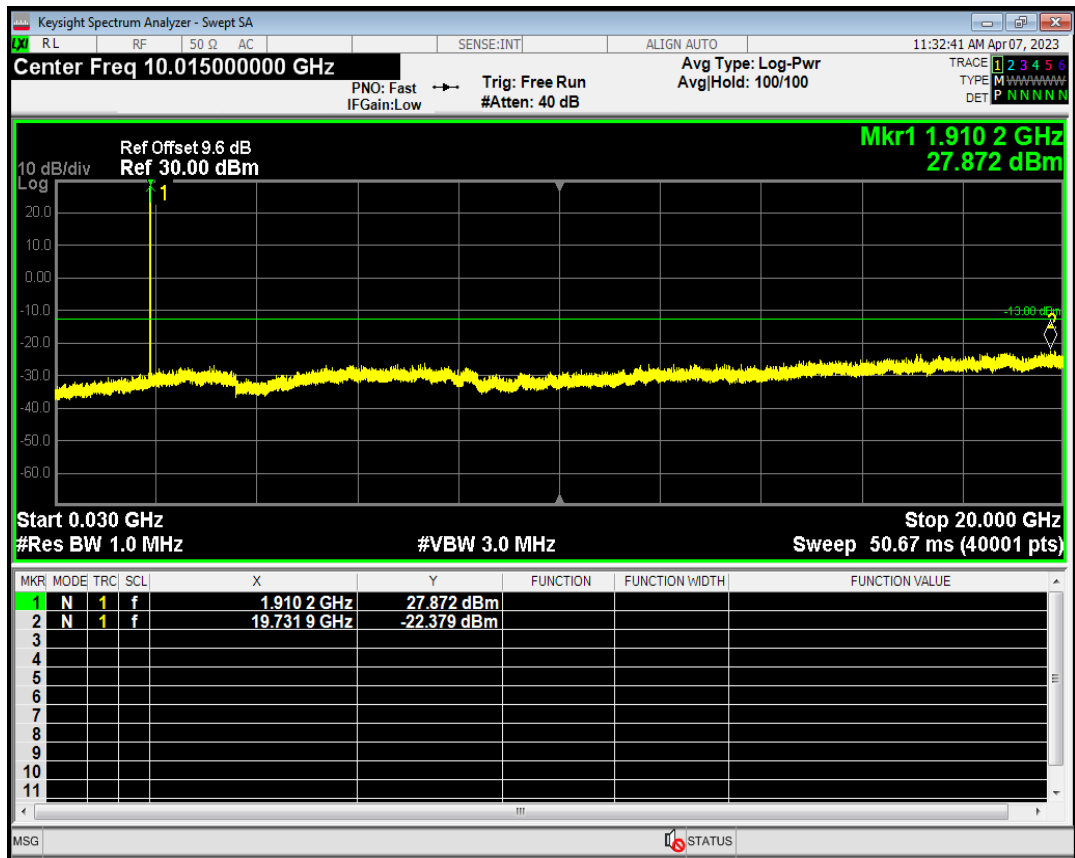
EGPRS1900 Channel=512



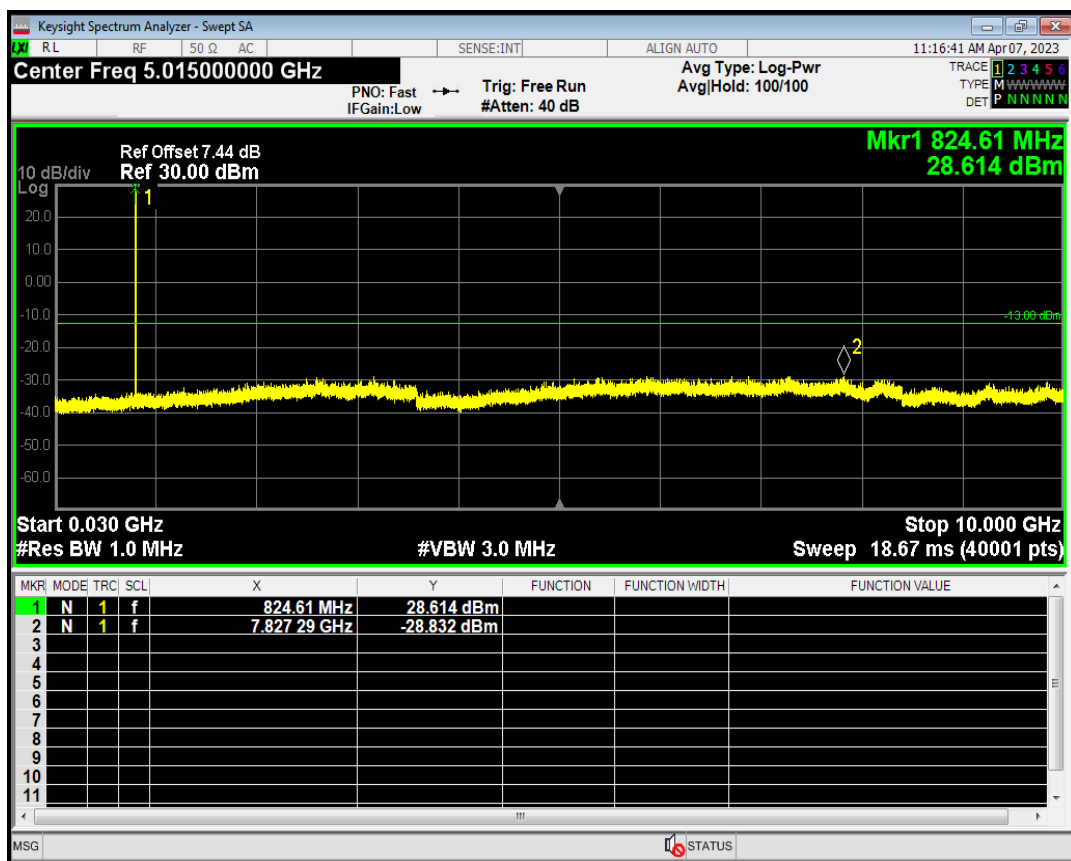
EGPRS1900 Channel=661



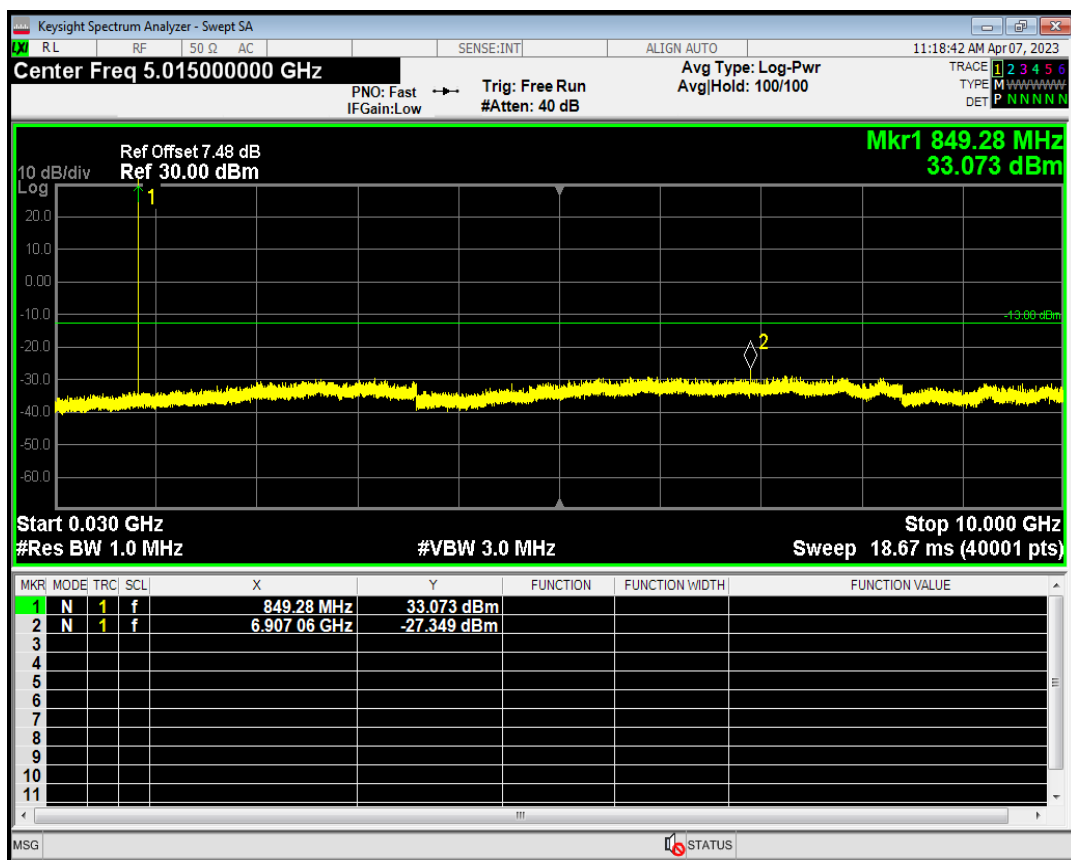
EGPRS1900 Channel=810



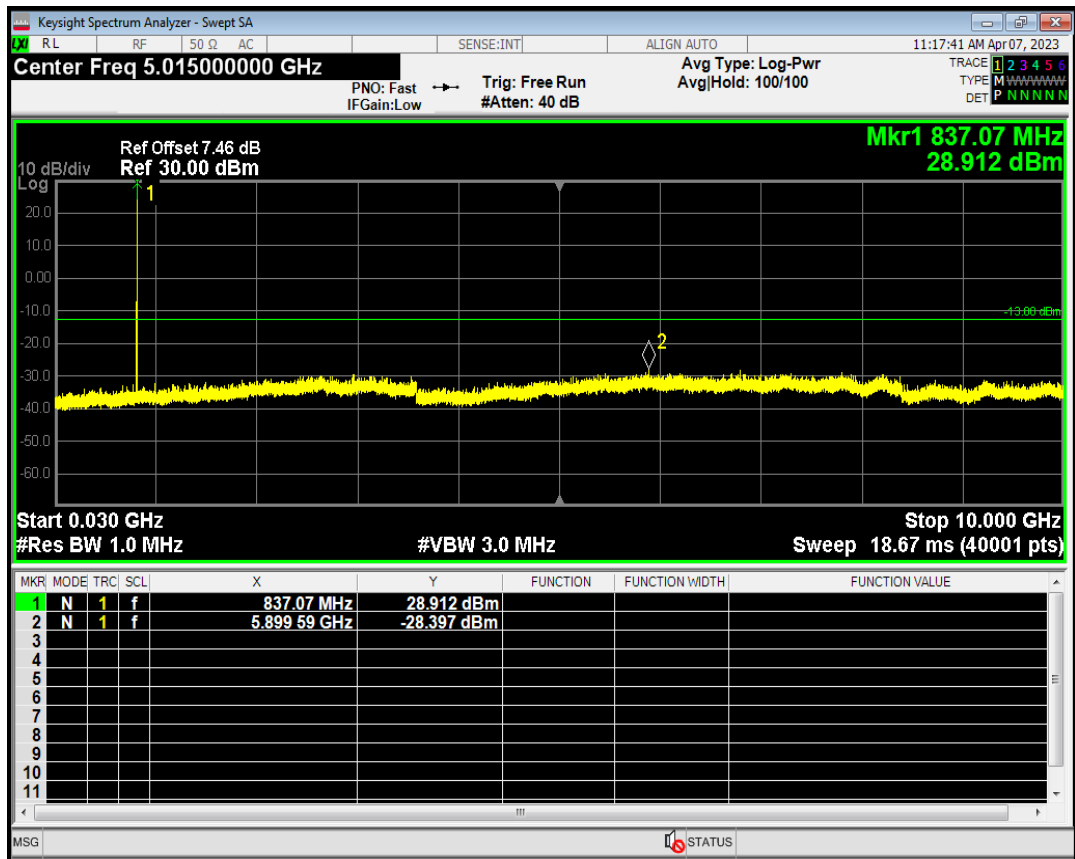
EGPRS850 Channel=128



EGPRS850 Channel=251



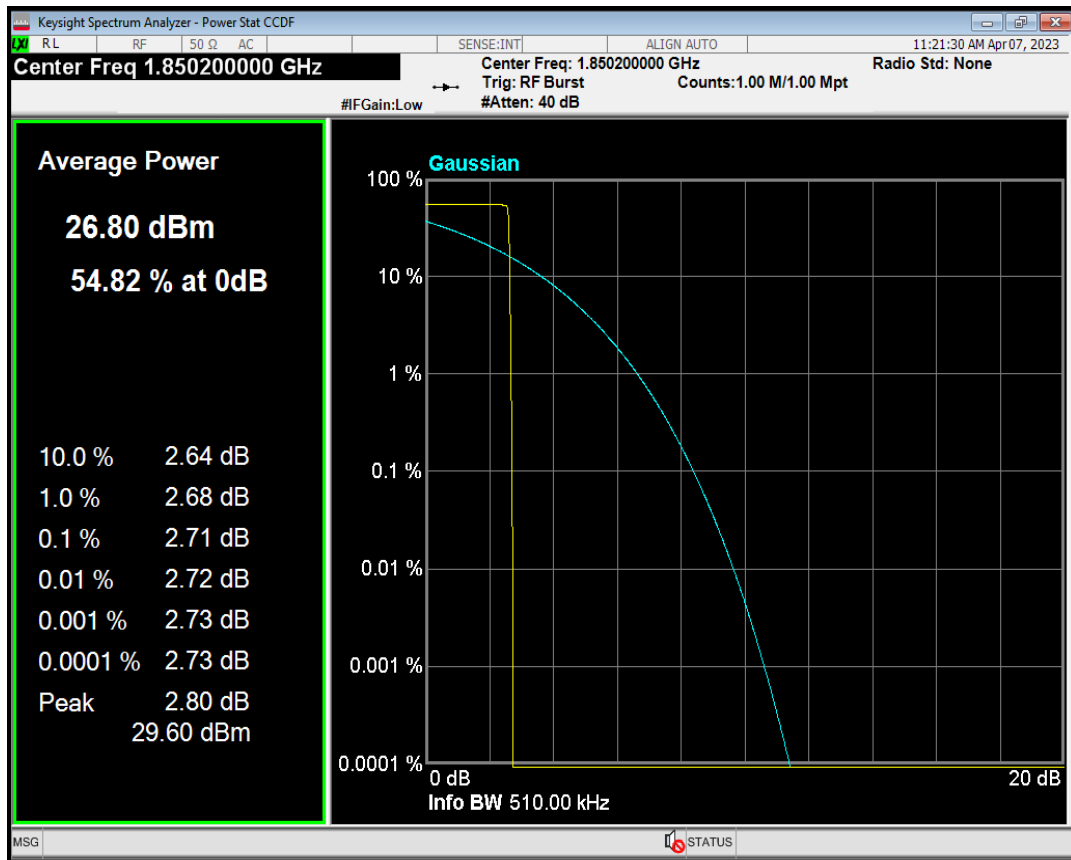
EGPRS850 Channel=190



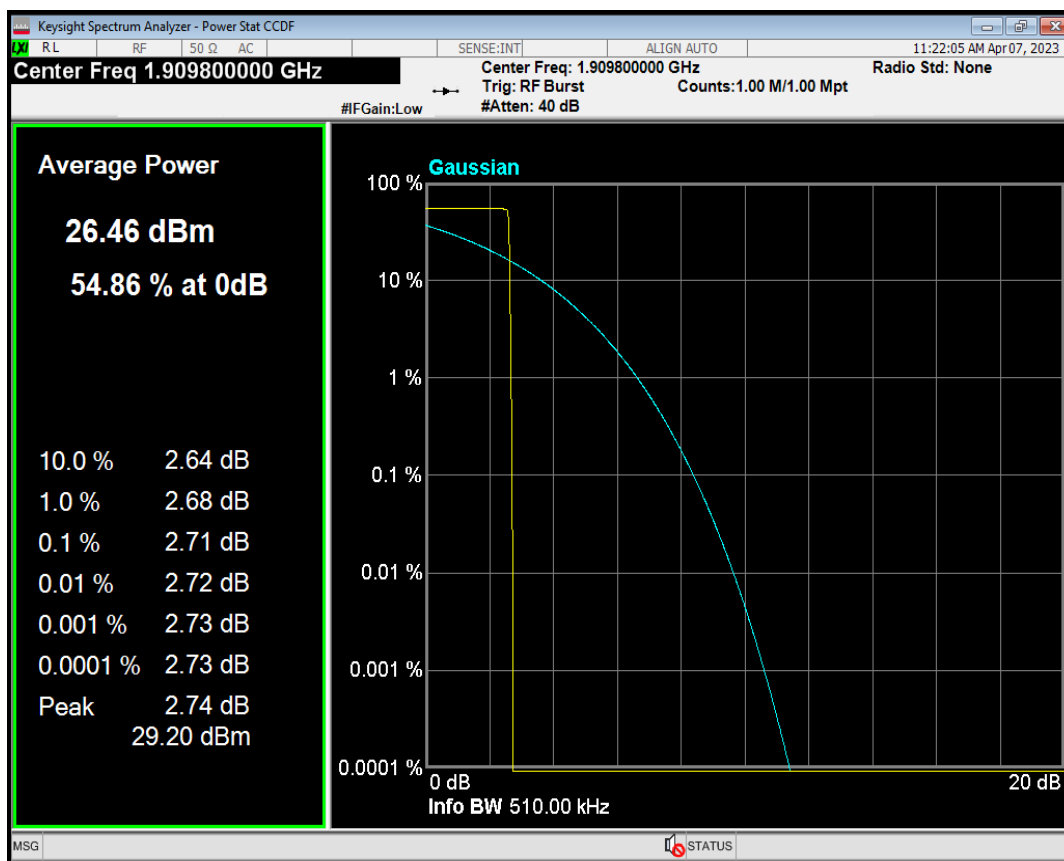
### 09 Peak-to-Average Ratio

| Band     | Channel | Frequency (MHz) | Result (dB) | high Limit (dB) | Verdict |
|----------|---------|-----------------|-------------|-----------------|---------|
| GPRS1900 | 512     | 1850.2          | 2.705089568 | 13.00           | PASS    |
| GPRS1900 | 661     | 1880            | 2.707539095 | 13.00           | PASS    |
| GPRS1900 | 810     | 1909.8          | 2.706206897 | 13.00           | PASS    |
| GPRS850  | 128     | 824.2           | 2.714422222 | 13.00           | PASS    |
| GPRS850  | 190     | 836.6           | 2.7248      | 13.00           | PASS    |
| GPRS850  | 251     | 848.8           | 2.718595745 | 13.00           | PASS    |

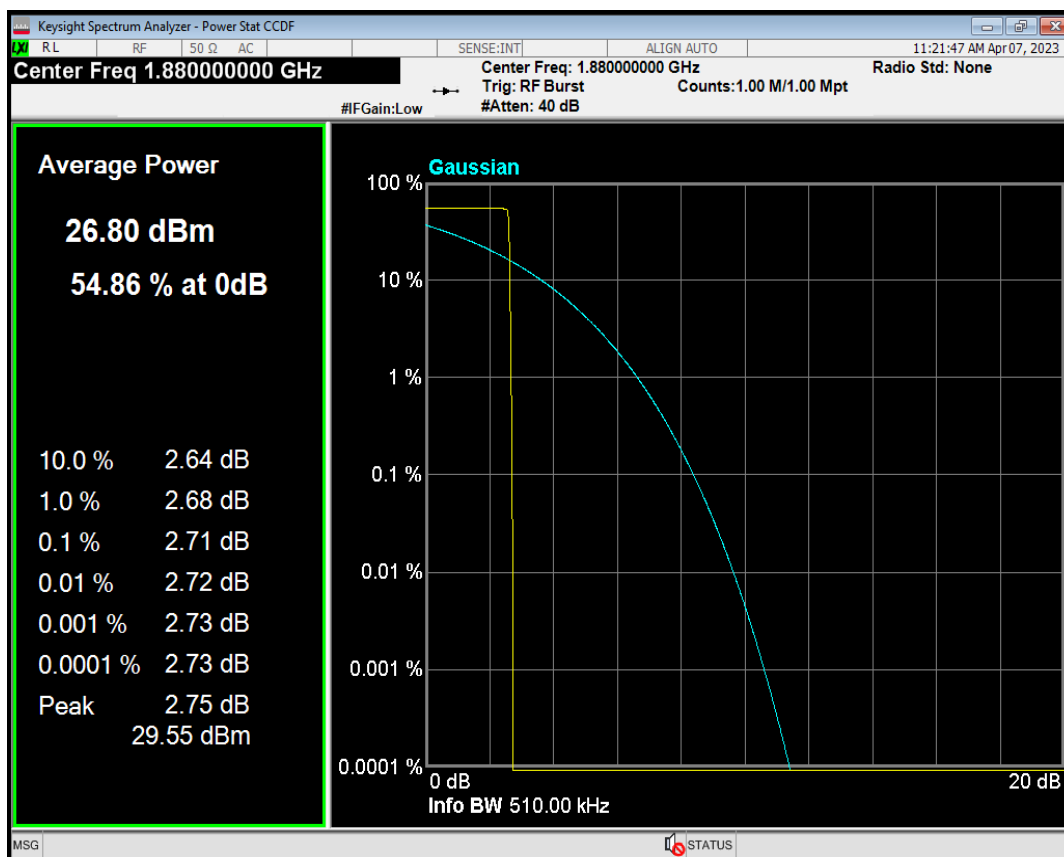
GPRS1900 Channel=512



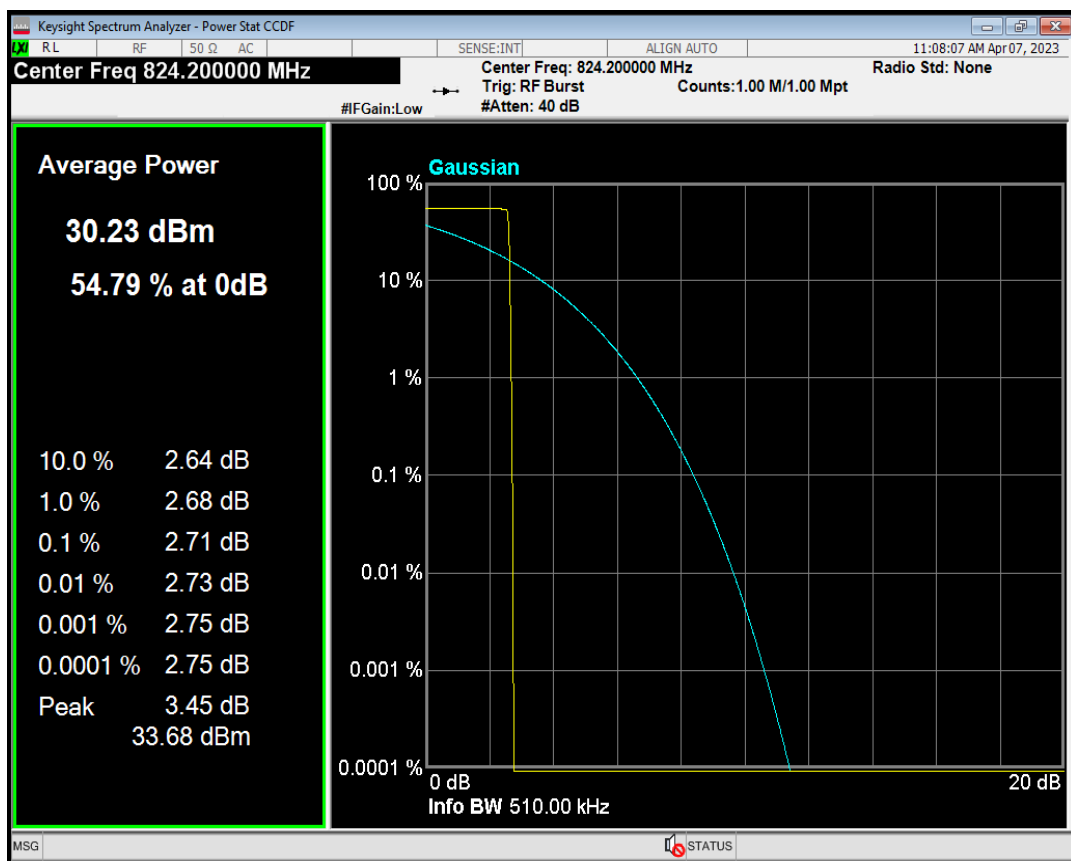
GPRS1900 Channel=810



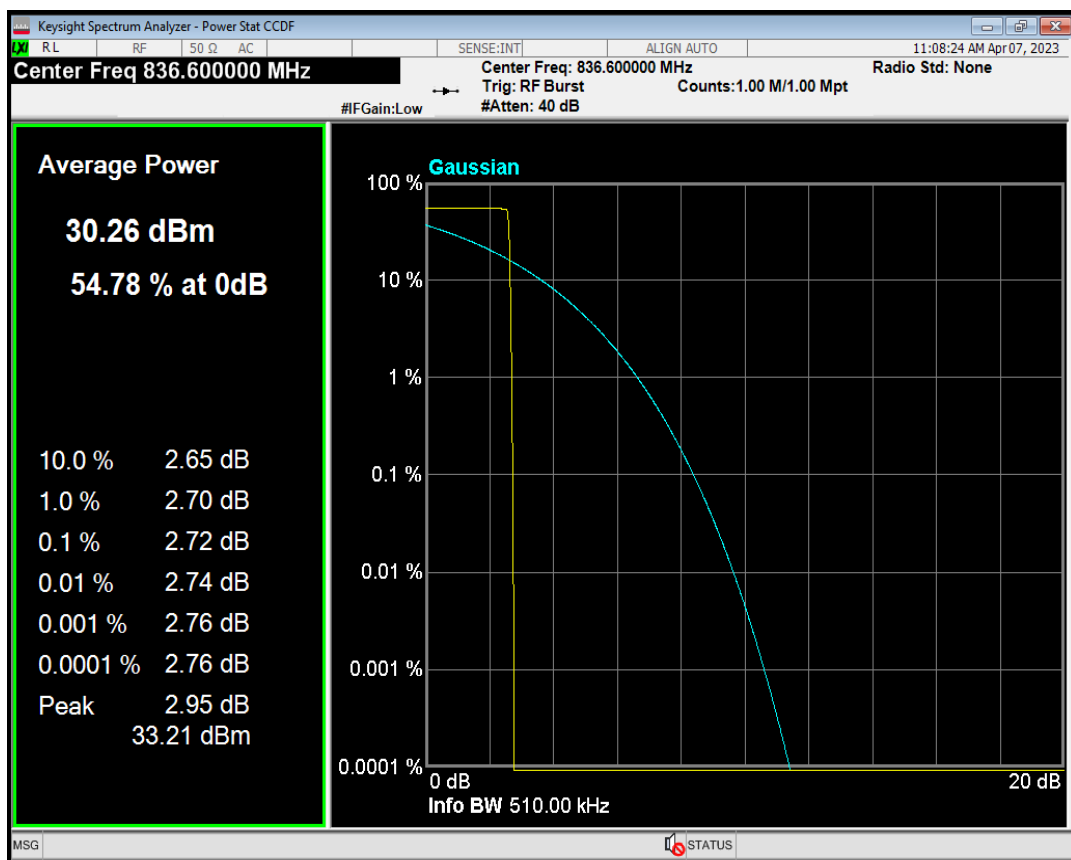
GPRS1900 Channel=661



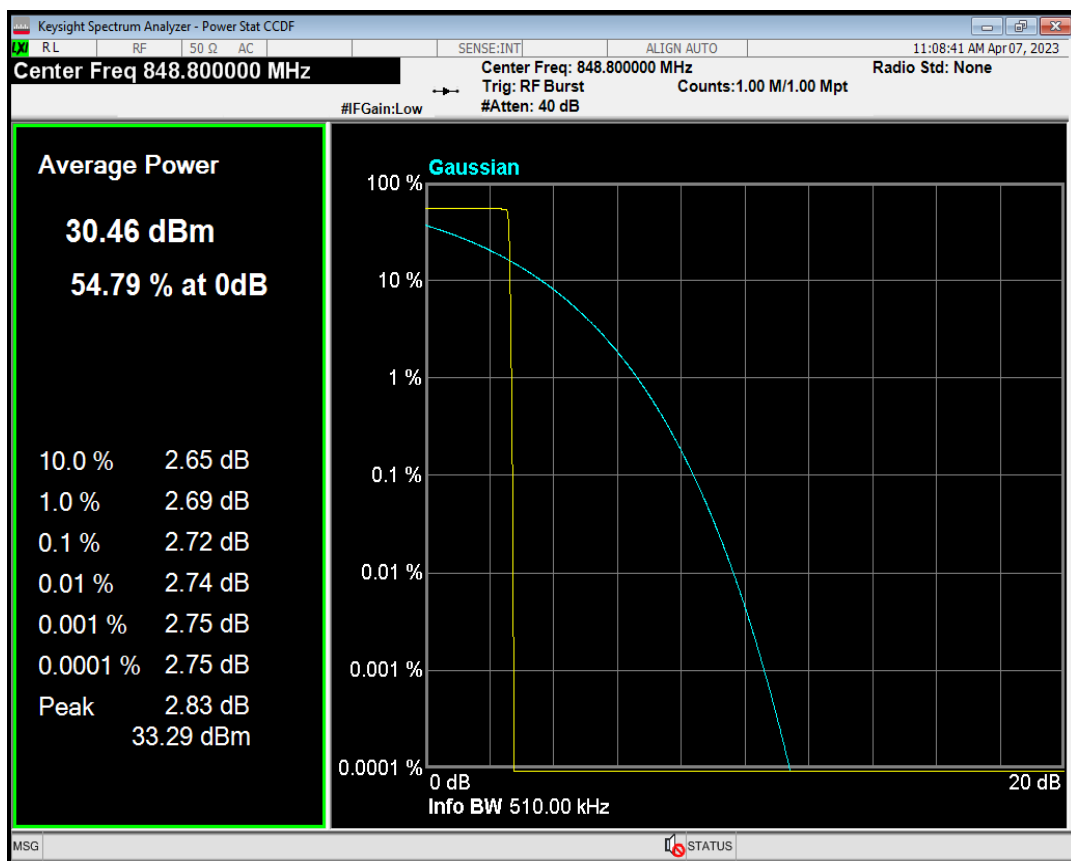
GPRS850 Channel=128



GPRS850 Channel=190



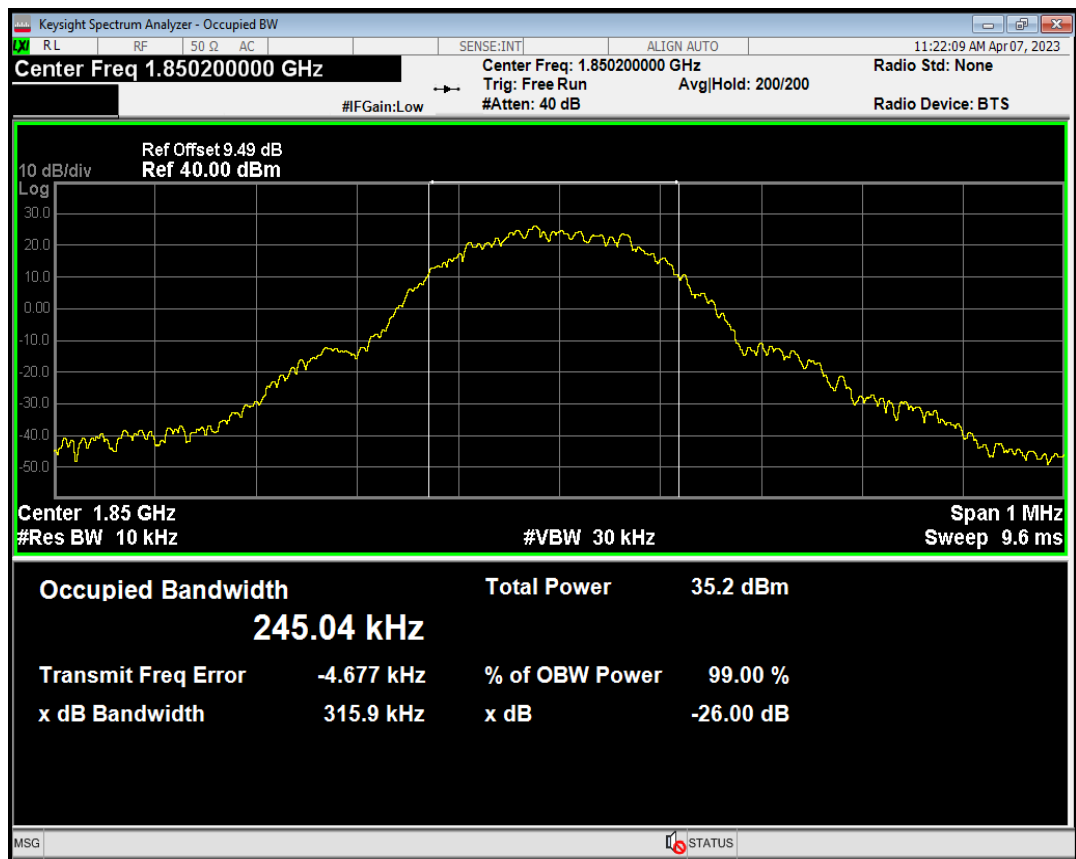
GPRS850 Channel=251



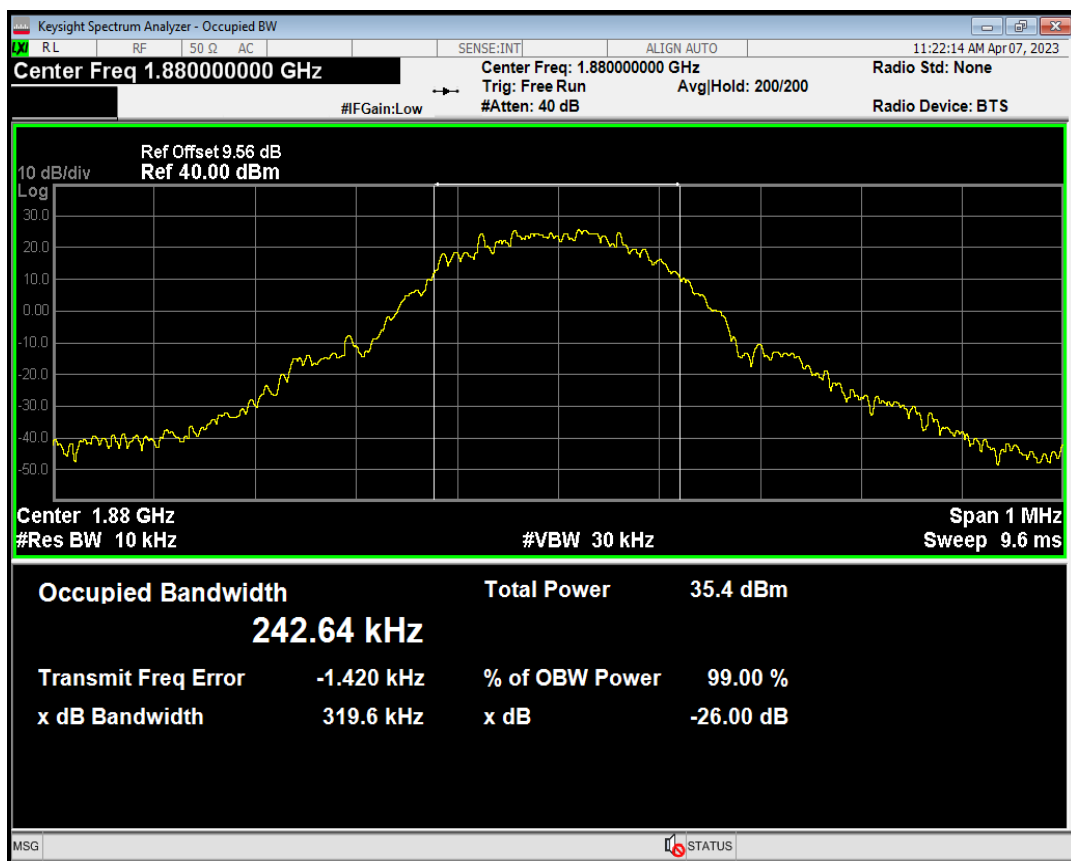
## 10 Occupied bandwidth

| Band     | Channel | Frequency (MHz) | 99% OBW (kHz) | -26dB EBW (kHz) | Verdict |
|----------|---------|-----------------|---------------|-----------------|---------|
| GPRS1900 | 512     | 1850.2          | 245.042       | 315.921         | PASS    |
| GPRS1900 | 661     | 1880            | 242.639       | 319.579         | PASS    |
| GPRS1900 | 810     | 1909.8          | 245.541       | 316.280         | PASS    |
| GPRS850  | 128     | 824.2           | 247.043       | 307.538         | PASS    |
| GPRS850  | 190     | 836.6           | 248.826       | 318.246         | PASS    |
| GPRS850  | 251     | 848.8           | 247.808       | 313.451         | PASS    |

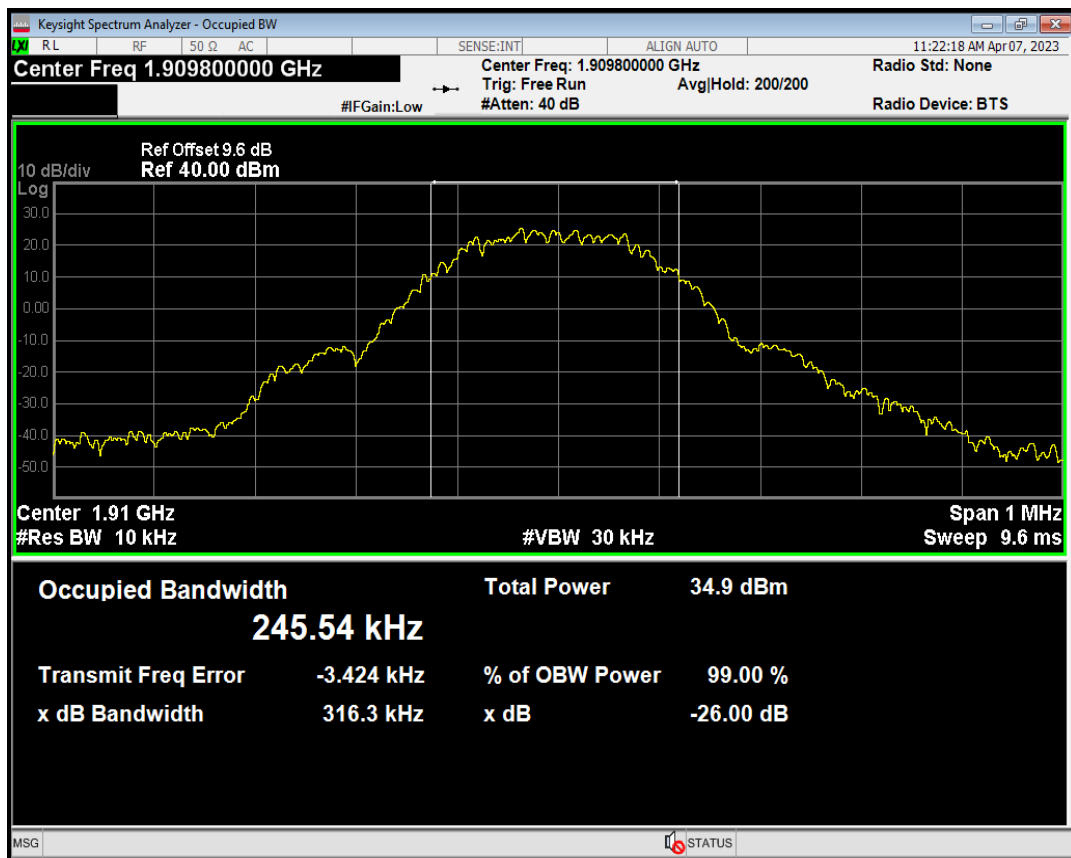
GPRS1900 Channel=512



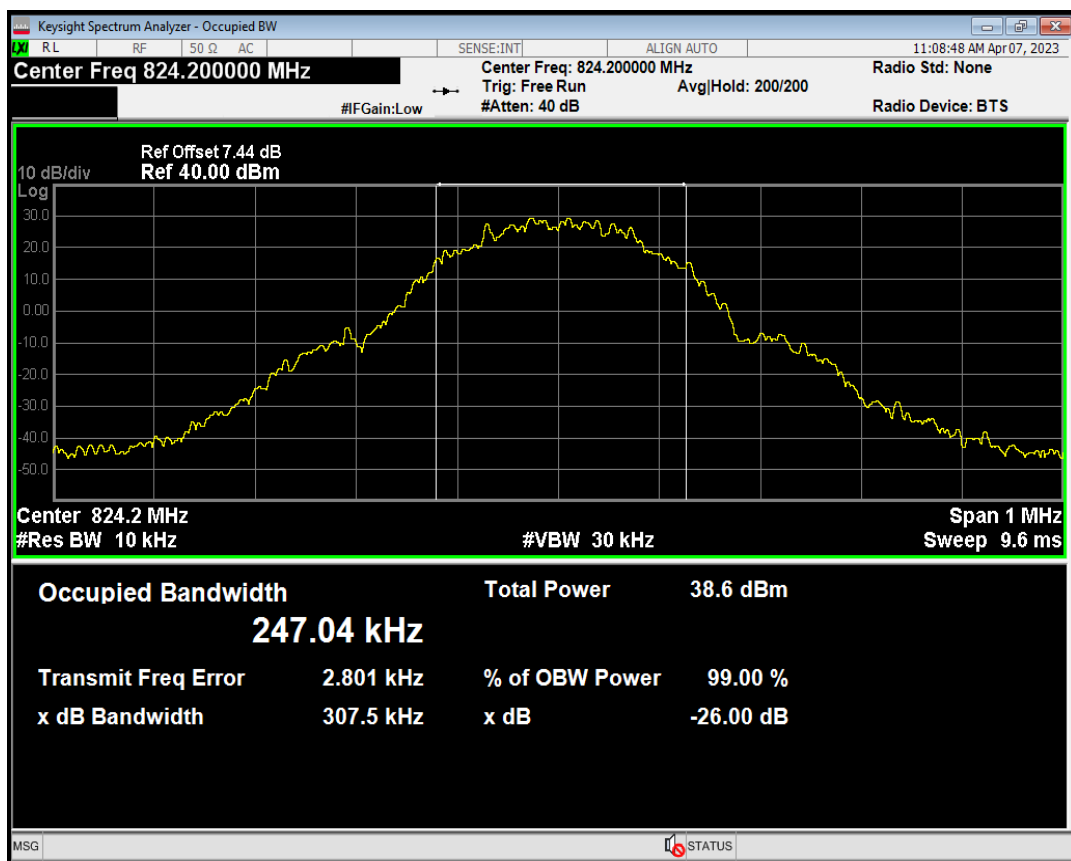
GPRS1900 Channel=661



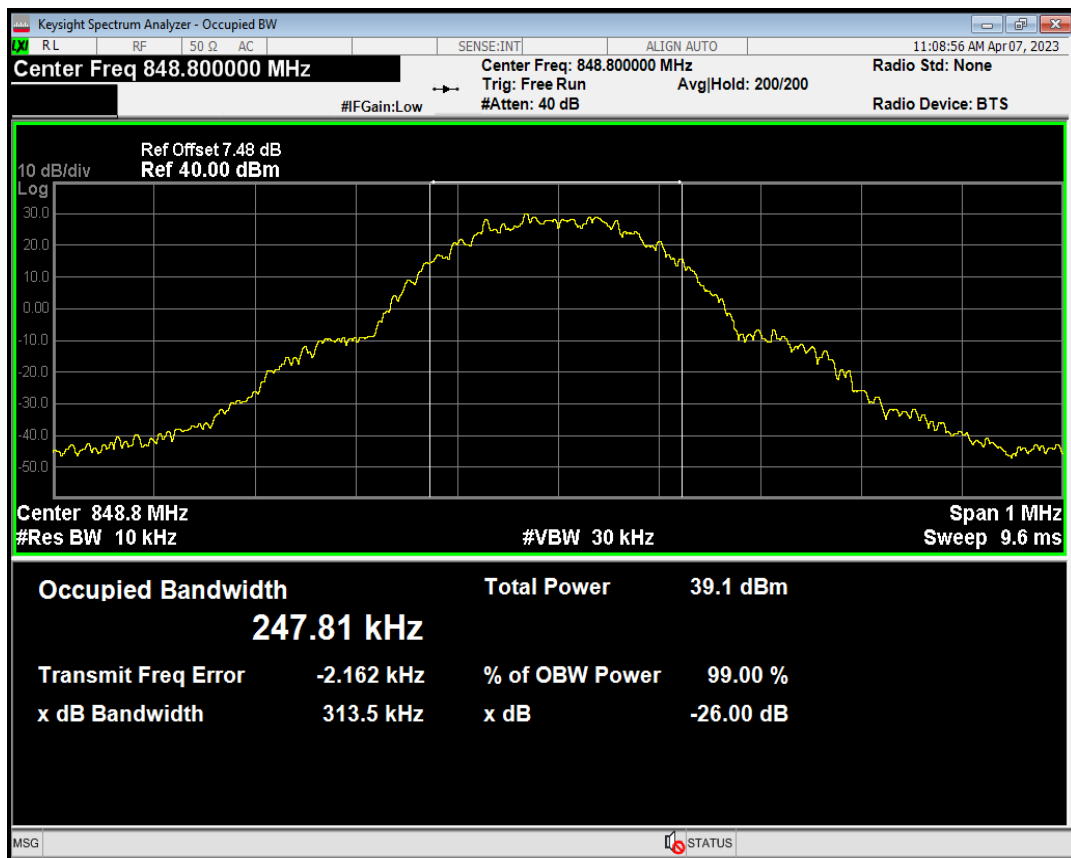
GPRS1900 Channel=810



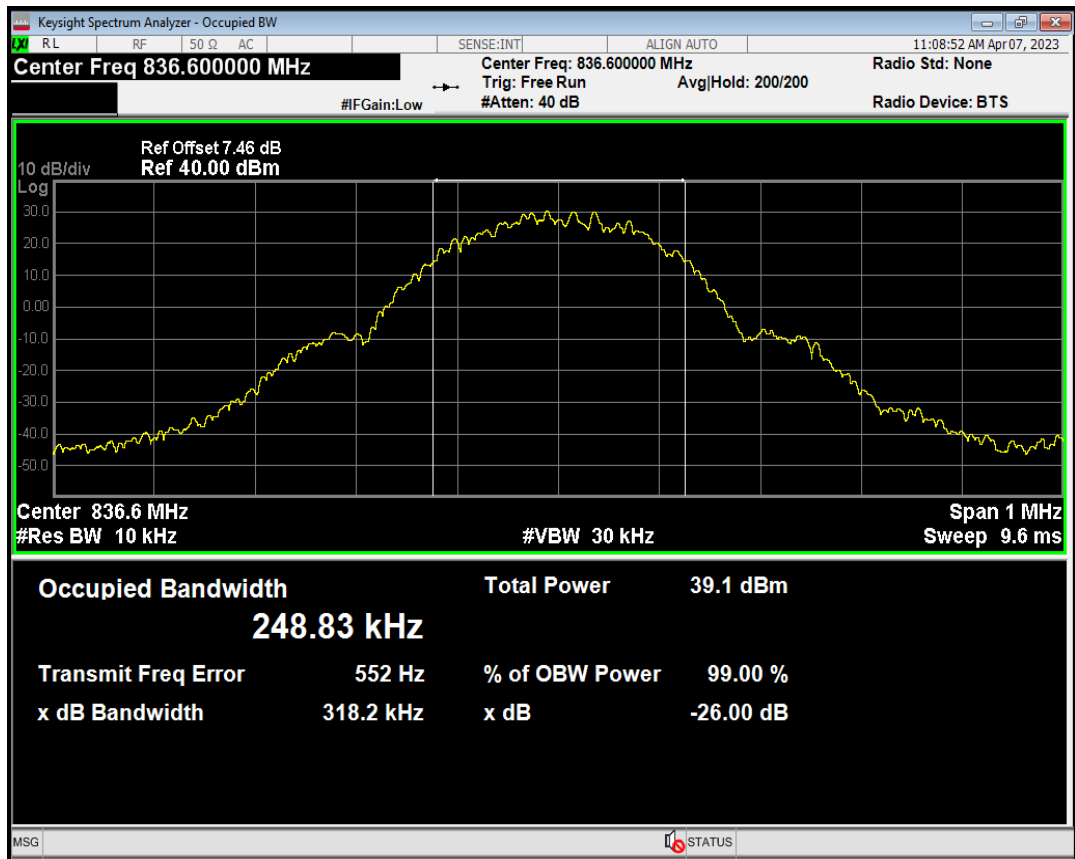
GPRS850 Channel=128



GPRS850 Channel=251



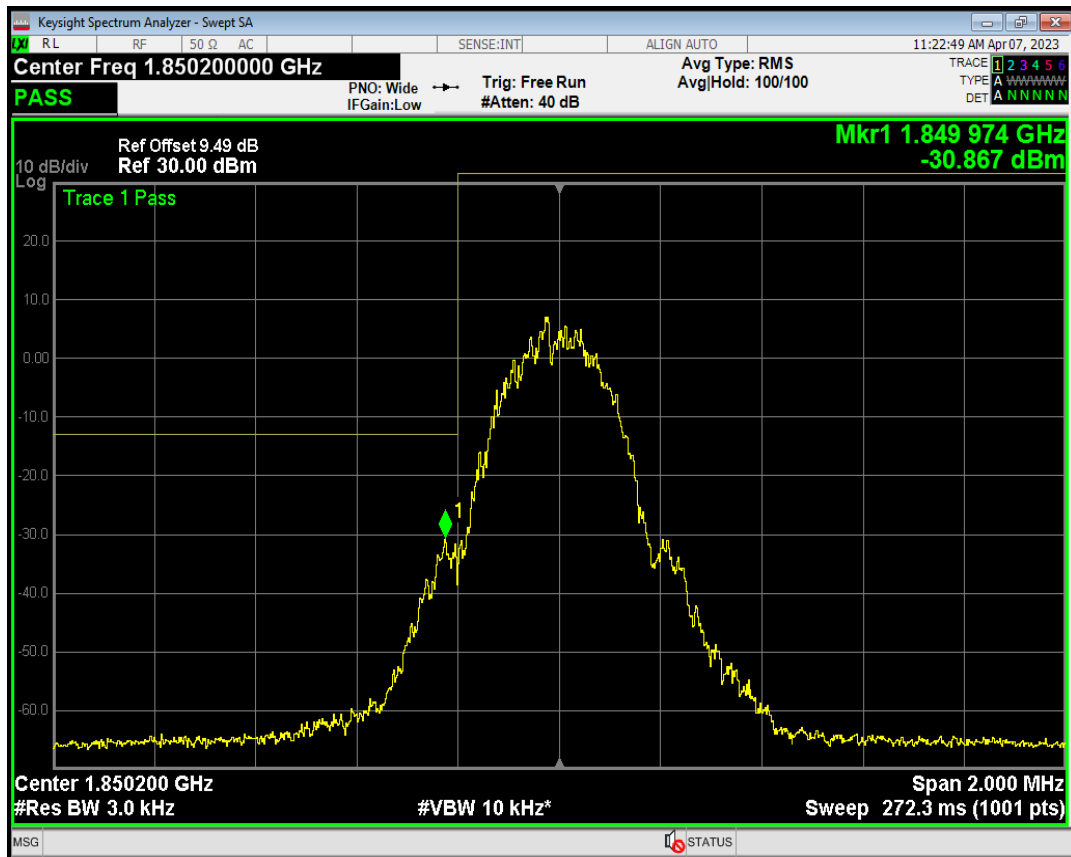
GPRS850 Channel=190



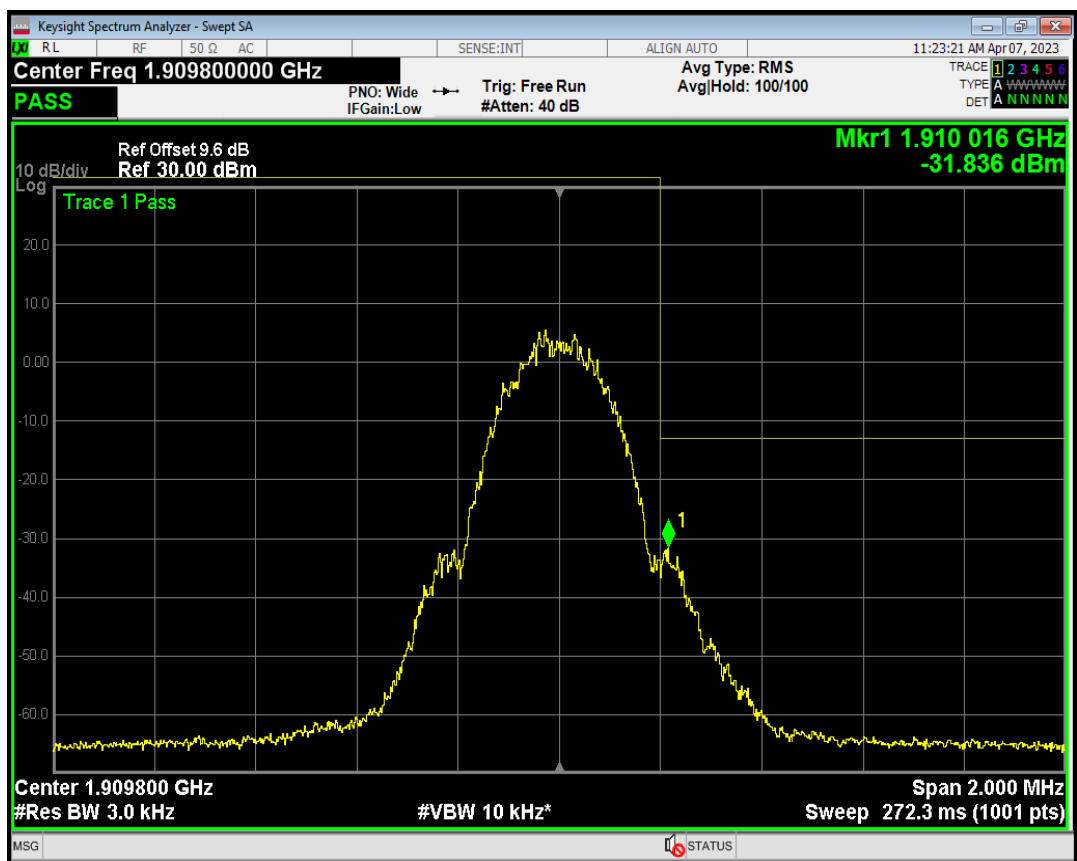
## 11 Band edge

| Band     | Channel | Frequency (MHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|----------|---------|-----------------|-----------------|------------------|-------------|---------|
| GPRS1900 | 512     | 1850.2          | 1849.97         | -30.86           | -13         | PASS    |
| GPRS1900 | 810     | 1909.8          | 1910.02         | -31.83           | -13         | PASS    |
| GPRS850  | 128     | 824.2           | 823.98          | -27.22           | -13         | PASS    |
| GPRS850  | 251     | 848.8           | 849.02          | -25.72           | -13         | PASS    |

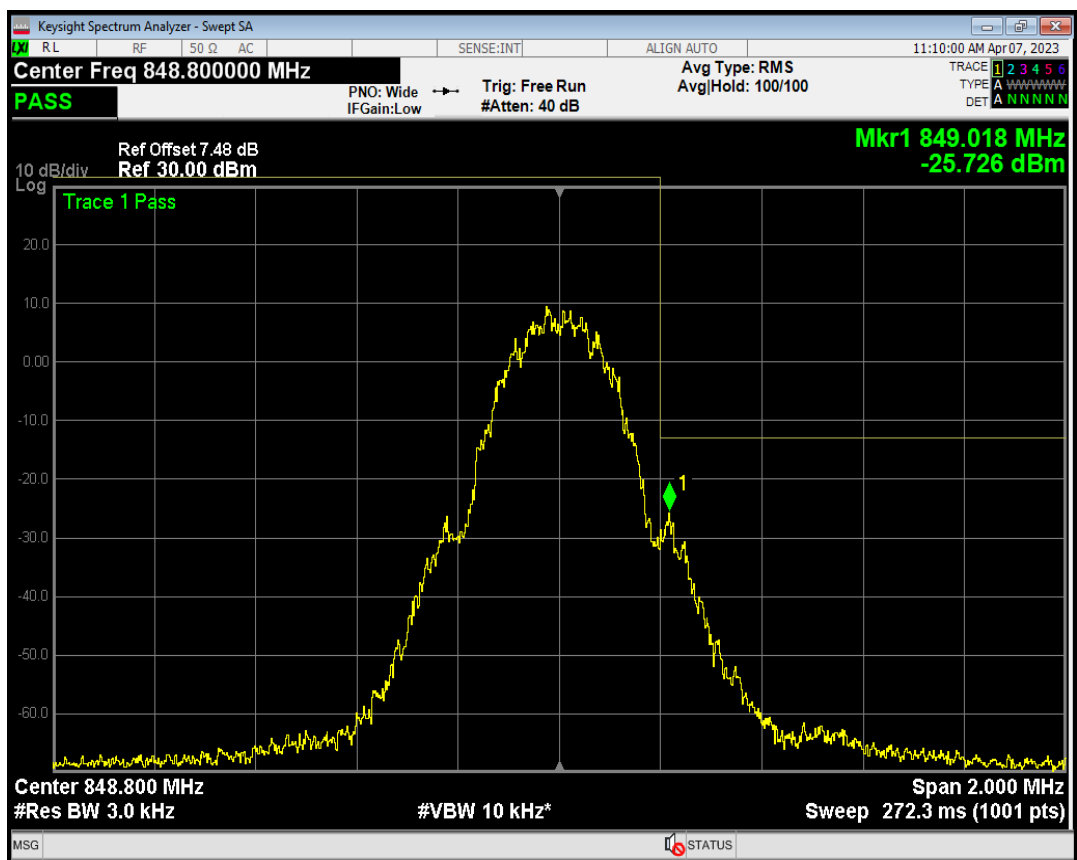
GPRS1900 Channel=512



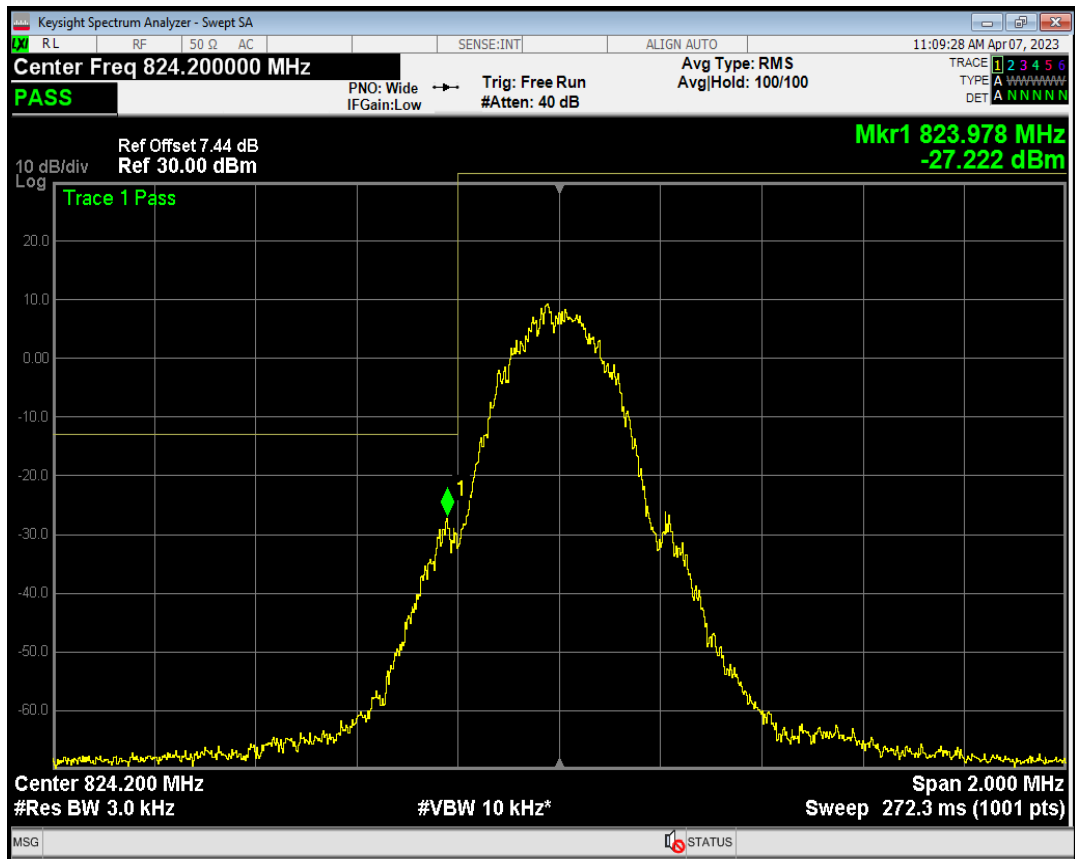
GPRS1900 Channel=810



GPRS850 Channel=251



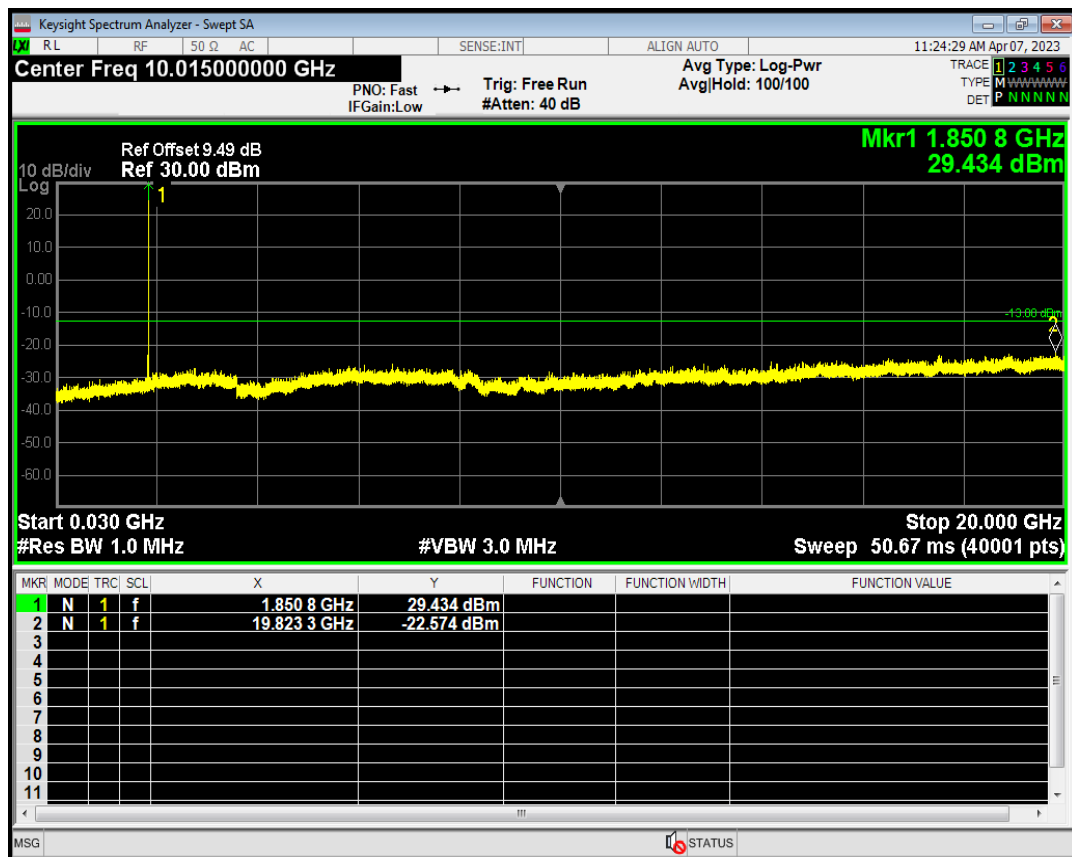
GPRS850 Channel=128



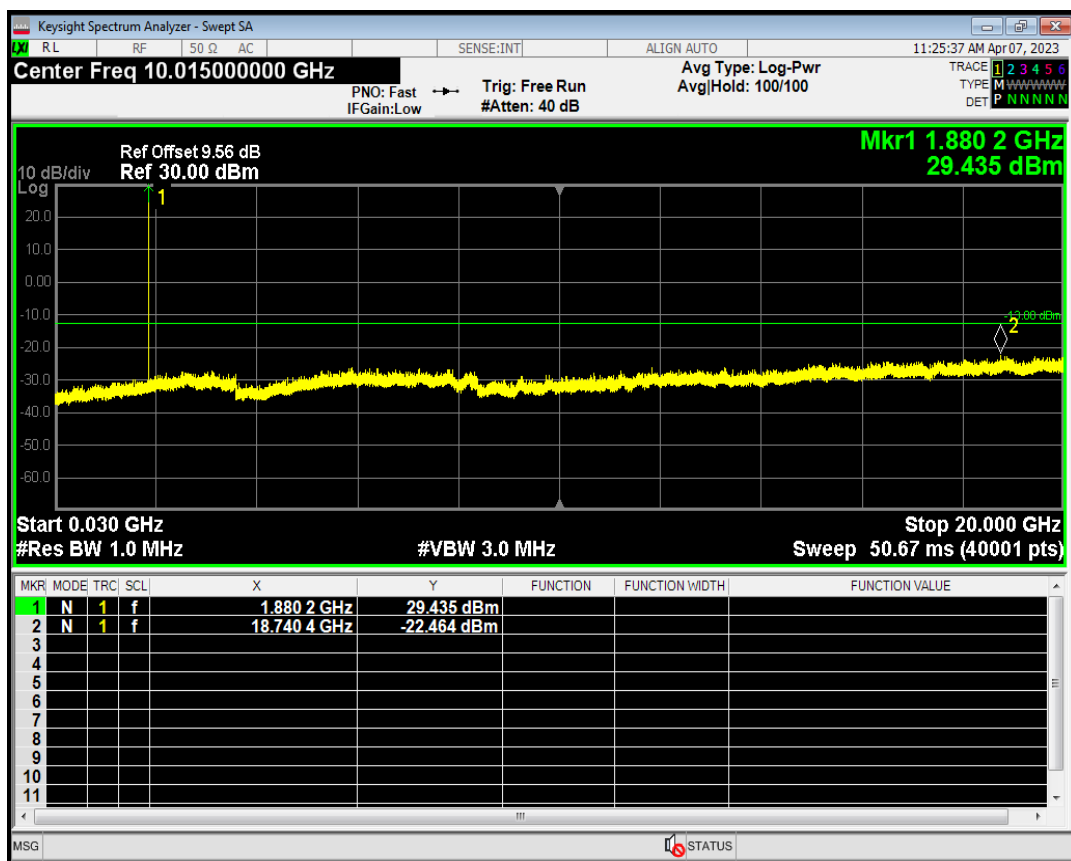
## 12 Out-of-band emissions

| Band     | Channel | Frequency (MHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|----------|---------|-----------------|-----------------|------------------|-------------|---------|
| GPRS1900 | 512     | 1850.2          | 19823.27        | -22.57           | -13         | PASS    |
| GPRS1900 | 661     | 1880            | 18740.39        | -22.46           | -13         | PASS    |
| GPRS1900 | 810     | 1909.8          | 18886.67        | -22.58           | -13         | PASS    |
| GPRS850  | 128     | 824.2           | 7827.29         | -27.94           | -13         | PASS    |
| GPRS850  | 190     | 836.6           | 6067.58         | -28.11           | -13         | PASS    |
| GPRS850  | 251     | 848.8           | 8149.07         | -28.04           | -13         | PASS    |

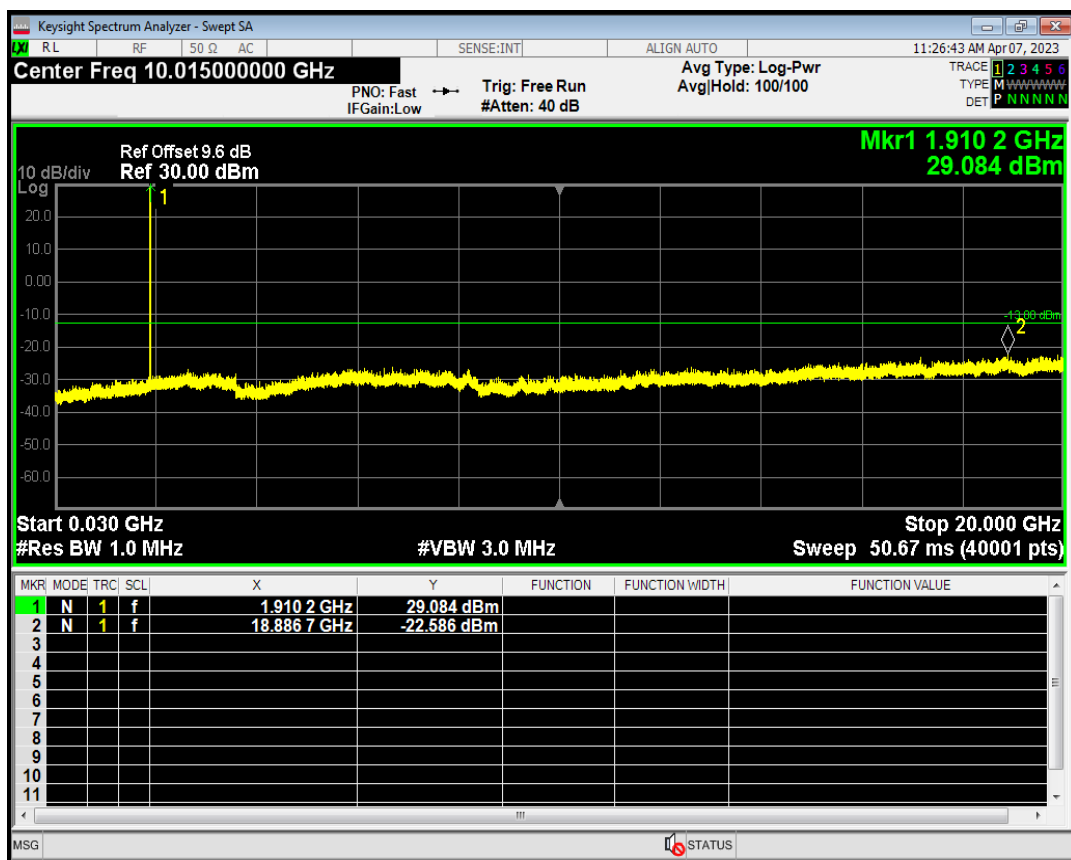
GPRS1900 Channel=512



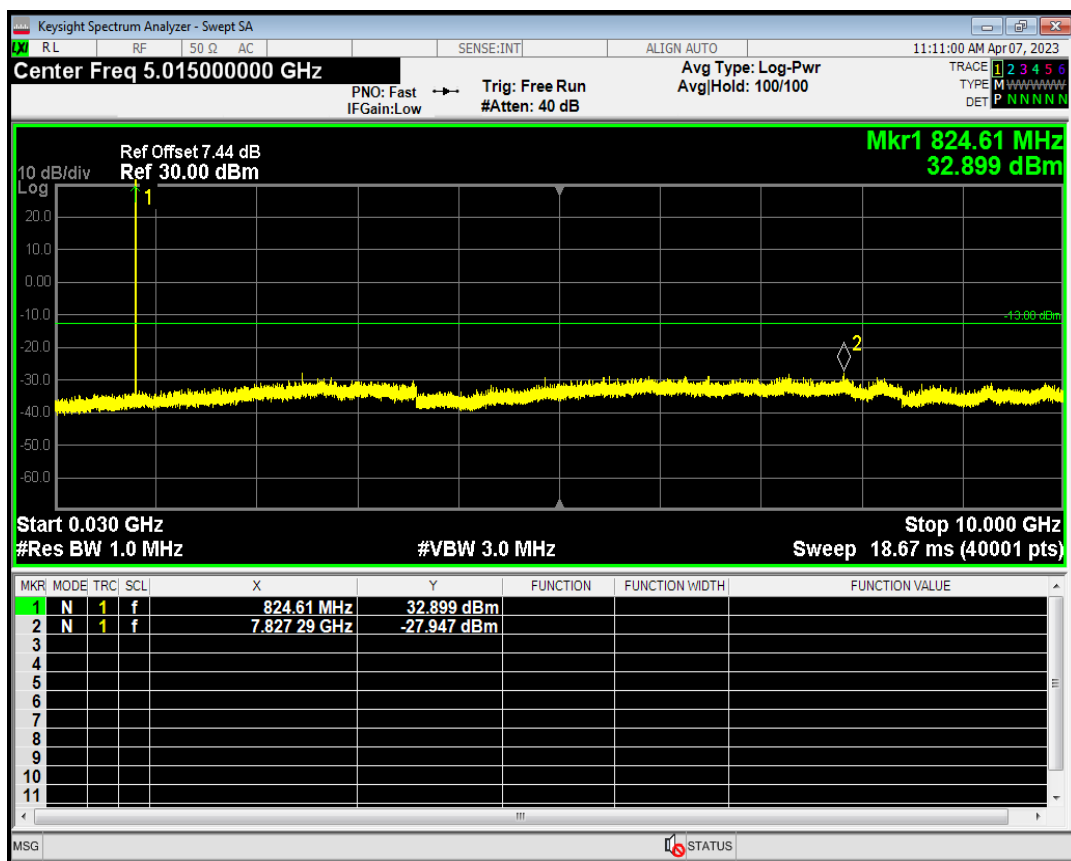
GPRS1900 Channel=661



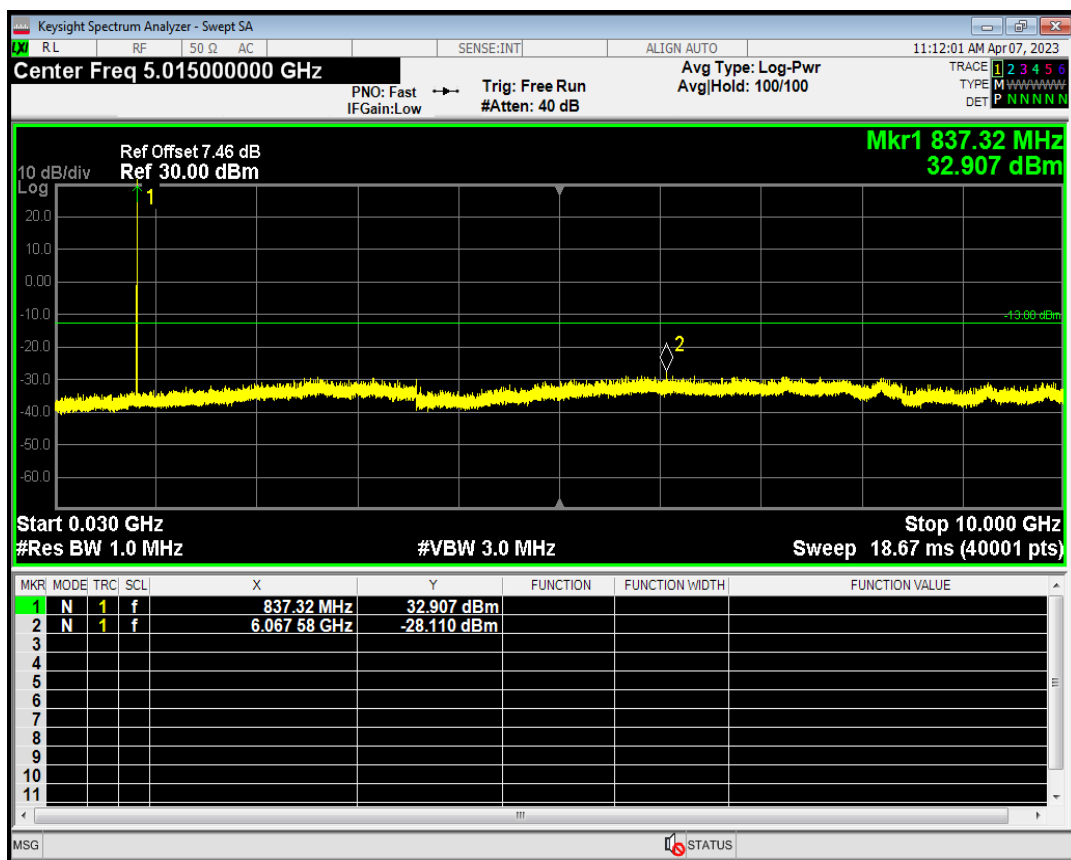
GPRS1900 Channel=810



GPRS850 Channel=128



GPRS850 Channel=190



GPRS850 Channel=251

