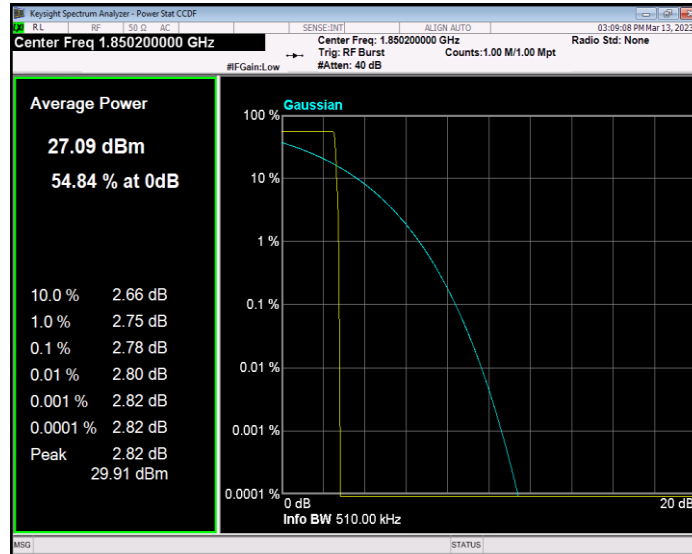
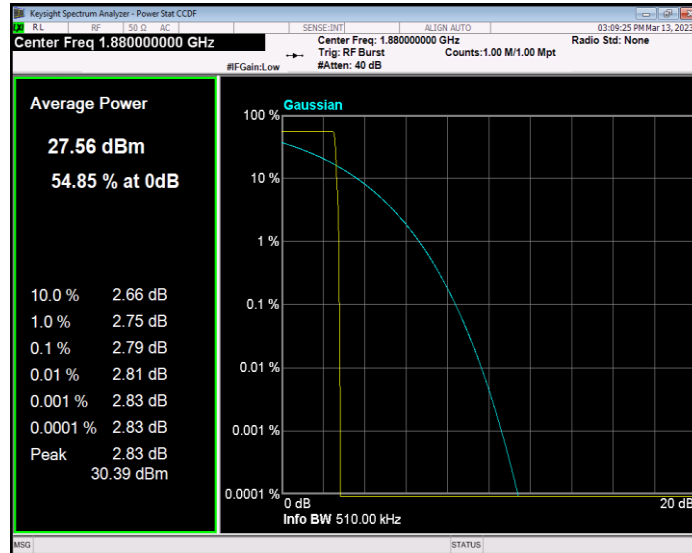


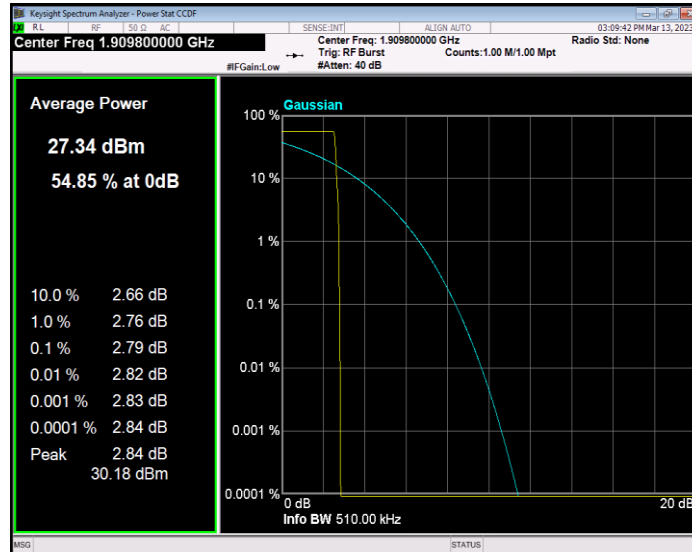
### GSM1900 Channel=512



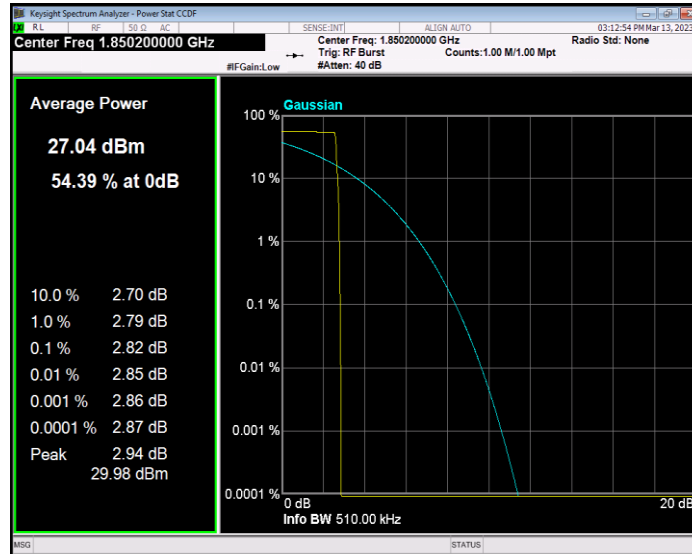
### GSM1900 Channel=661



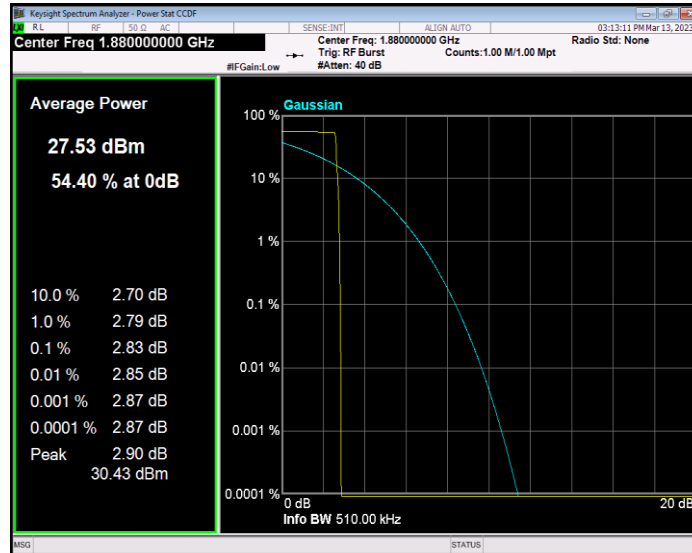
### GSM1900 Channel=810



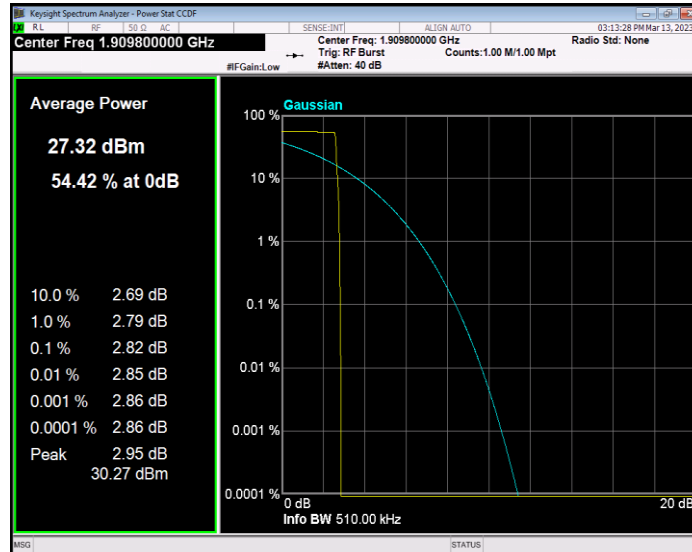
### GPRS1900 Channel=512



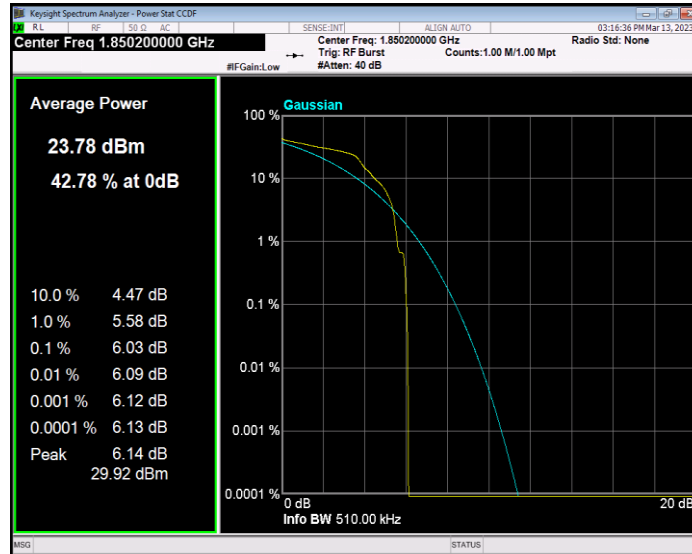
### GPRS1900 Channel=661



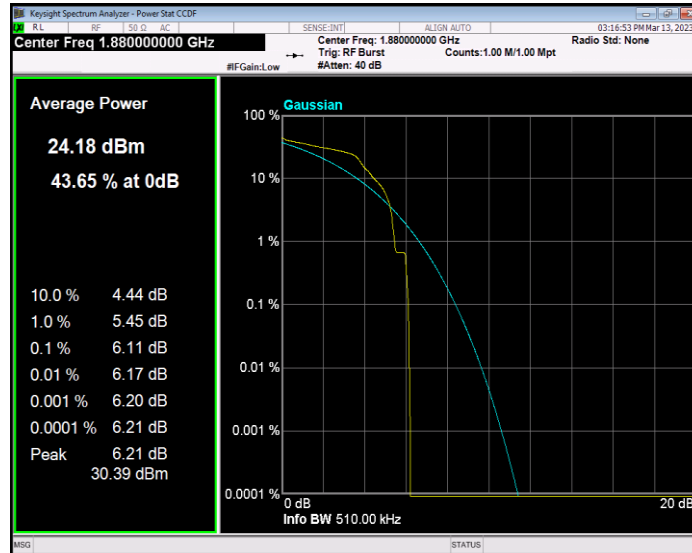
### GPRS1900 Channel=810



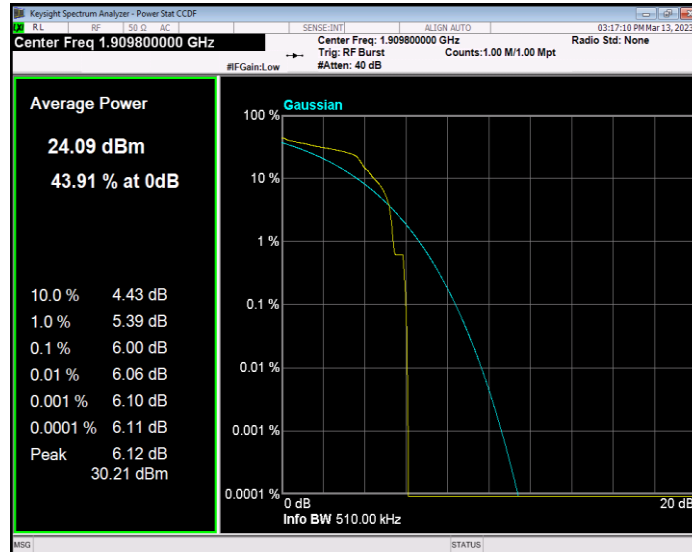
### EGPRS1900 Channel=512



### EGPRS1900 Channel=661



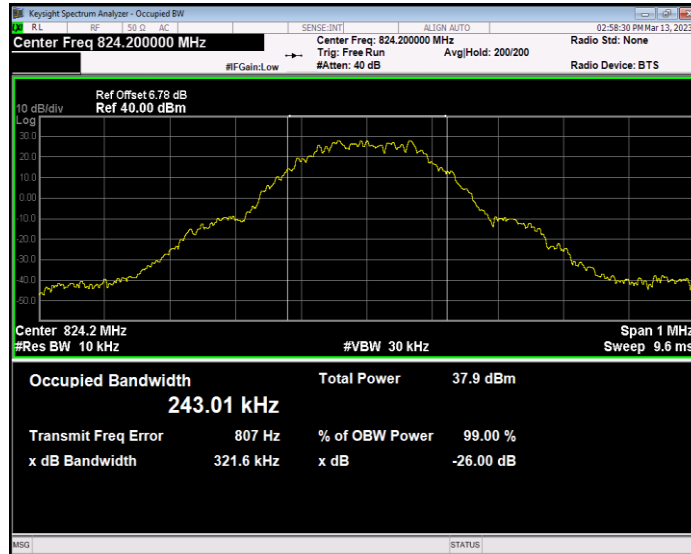
### EGPRS1900 Channel=810



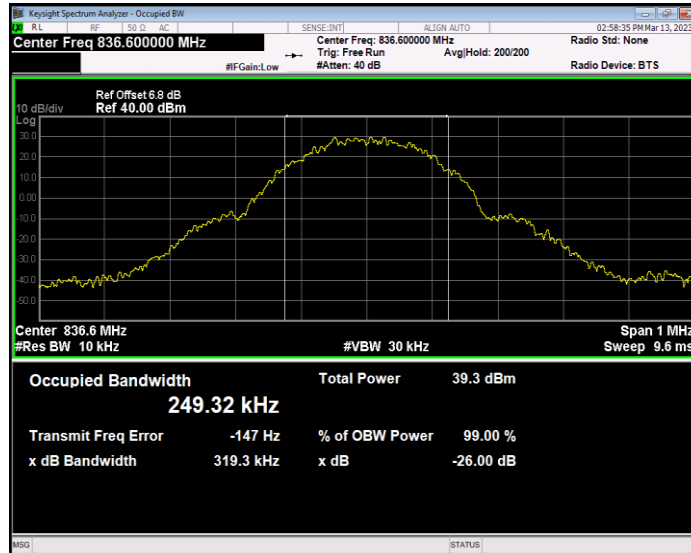
## Occupied bandwidth

| Band      | Channel | Frequency (MHz) | 99% OBW (kHz) | -26dB EBW (kHz) | Verdict |
|-----------|---------|-----------------|---------------|-----------------|---------|
| GSM850    | 128     | 824.2           | 243.010       | 321.598         | PASS    |
| GSM850    | 190     | 836.6           | 249.319       | 319.298         | PASS    |
| GSM850    | 251     | 848.8           | 247.161       | 321.910         | PASS    |
| GPRS850   | 128     | 824.2           | 243.811       | 310.700         | PASS    |
| GPRS850   | 190     | 836.6           | 250.671       | 320.855         | PASS    |
| GPRS850   | 251     | 848.8           | 250.734       | 314.385         | PASS    |
| EGPRS850  | 128     | 824.2           | 251.289       | 301.034         | PASS    |
| EGPRS850  | 190     | 836.6           | 241.181       | 306.807         | PASS    |
| EGPRS850  | 251     | 848.8           | 251.765       | 307.629         | PASS    |
| GSM1900   | 512     | 1850.2          | 246.493       | 316.059         | PASS    |
| GSM1900   | 661     | 1880            | 246.041       | 318.722         | PASS    |
| GSM1900   | 810     | 1909.8          | 249.954       | 318.346         | PASS    |
| GPRS1900  | 512     | 1850.2          | 242.013       | 313.797         | PASS    |
| GPRS1900  | 661     | 1880            | 242.151       | 308.307         | PASS    |
| GPRS1900  | 810     | 1909.8          | 244.519       | 306.674         | PASS    |
| EGPRS1900 | 512     | 1850.2          | 252.055       | 314.375         | PASS    |
| EGPRS1900 | 661     | 1880            | 256.163       | 314.873         | PASS    |
| EGPRS1900 | 810     | 1909.8          | 242.969       | 310.779         | PASS    |

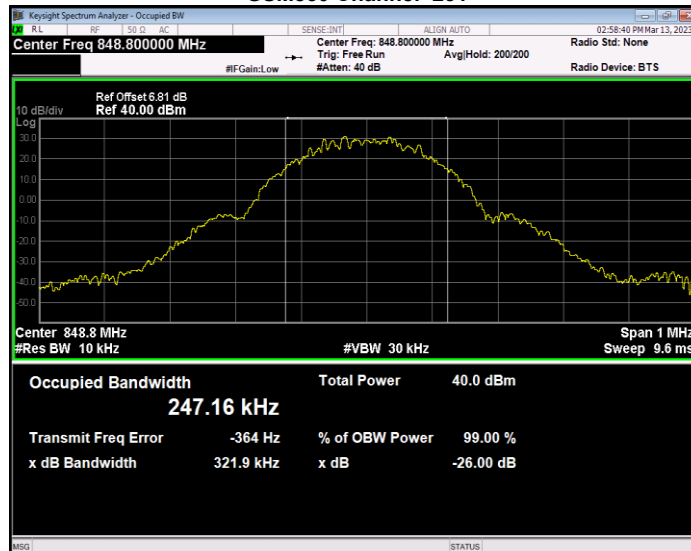
### GSM850 Channel=128



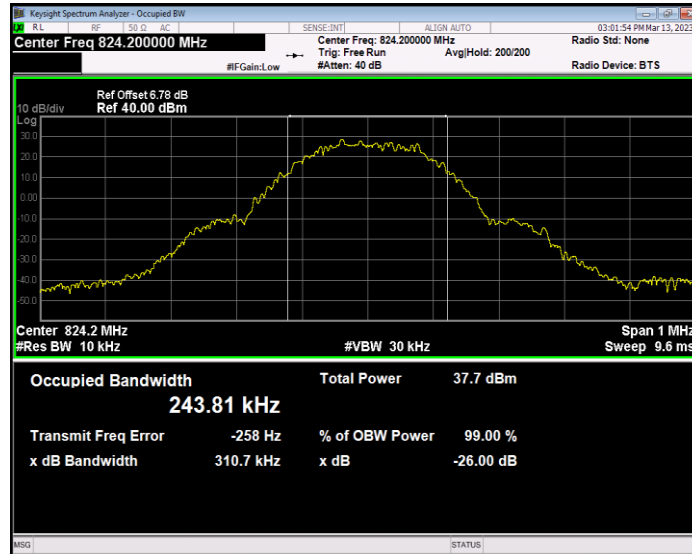
### GSM850 Channel=190



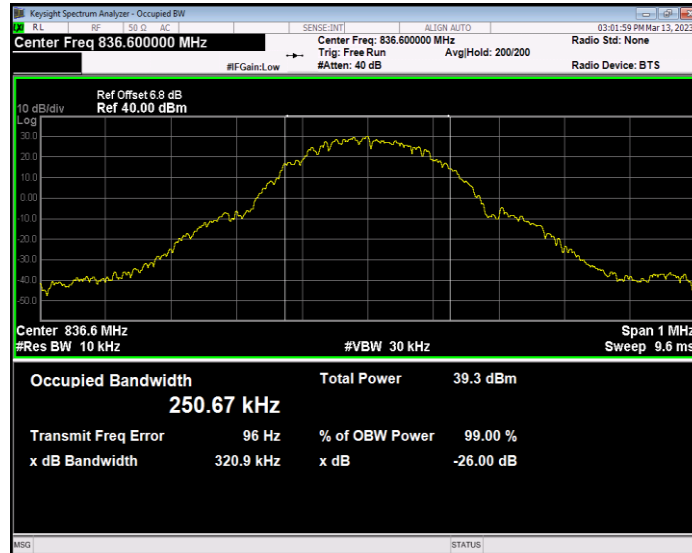
### GSM850 Channel=251



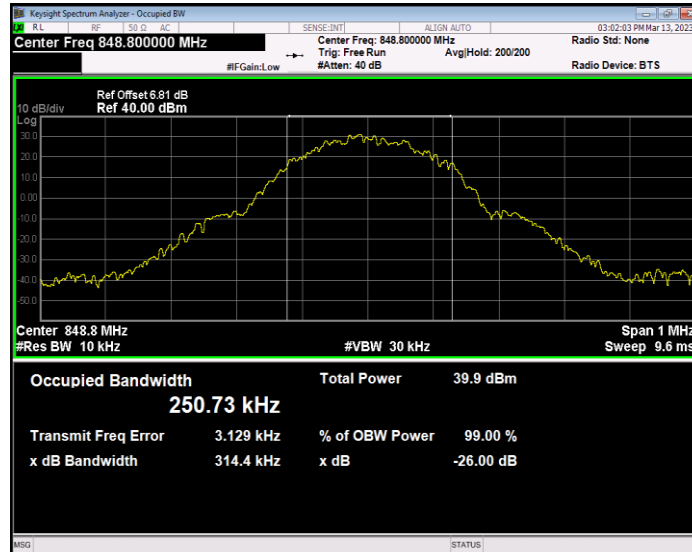
### GPRS850 Channel=128



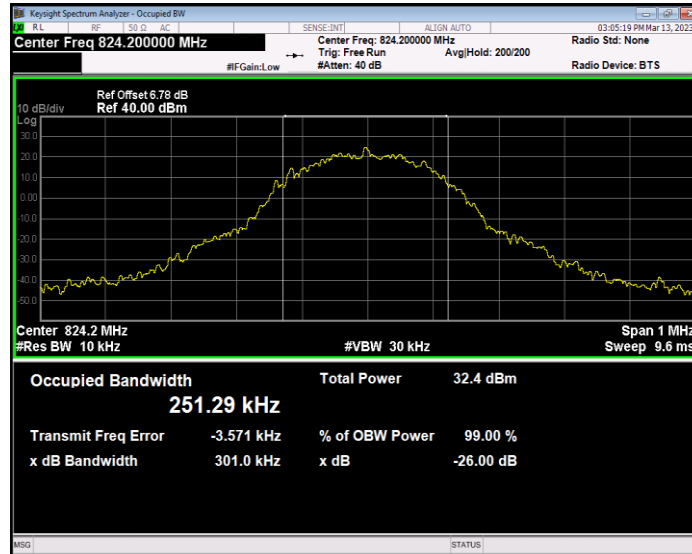
### GPRS850 Channel=190



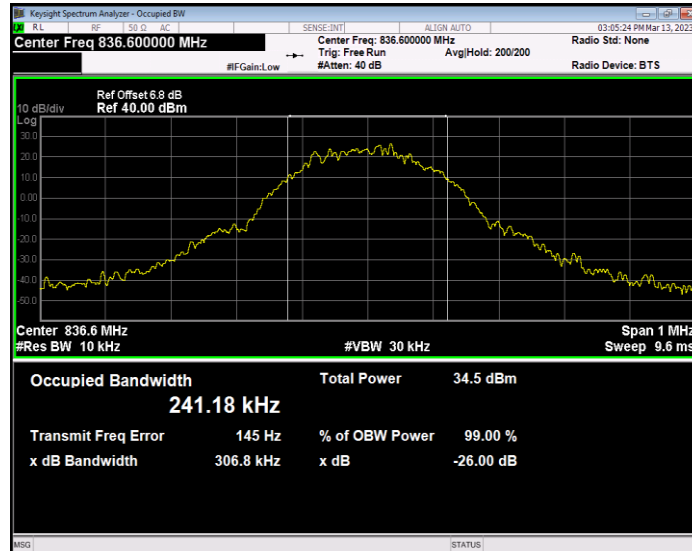
### GPRS850 Channel=251



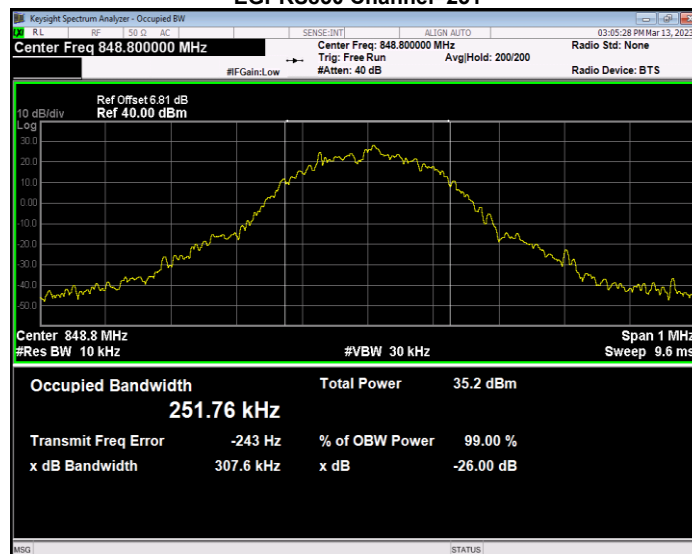
### EGPRS850 Channel=128



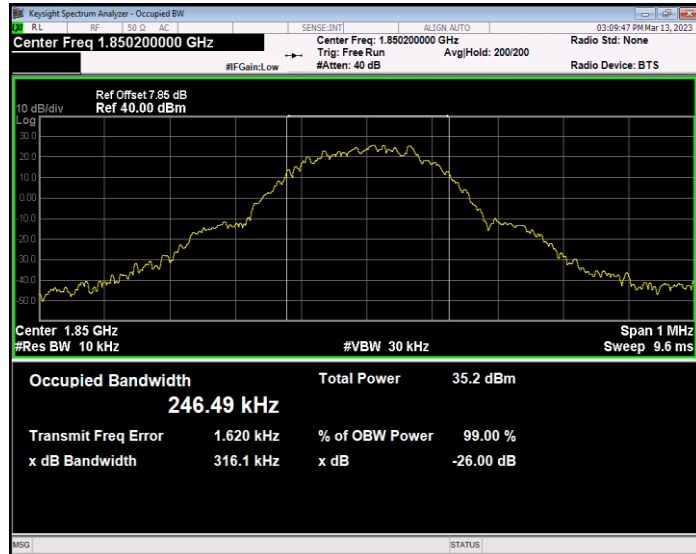
### EGPRS850 Channel=190



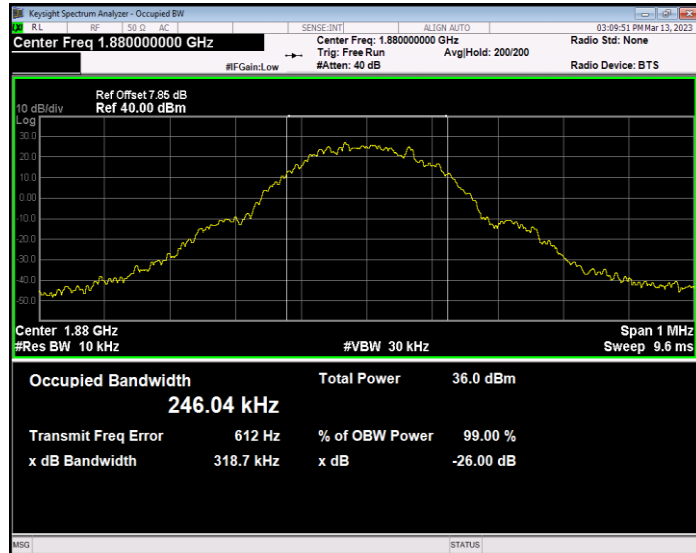
### EGPRS850 Channel=251



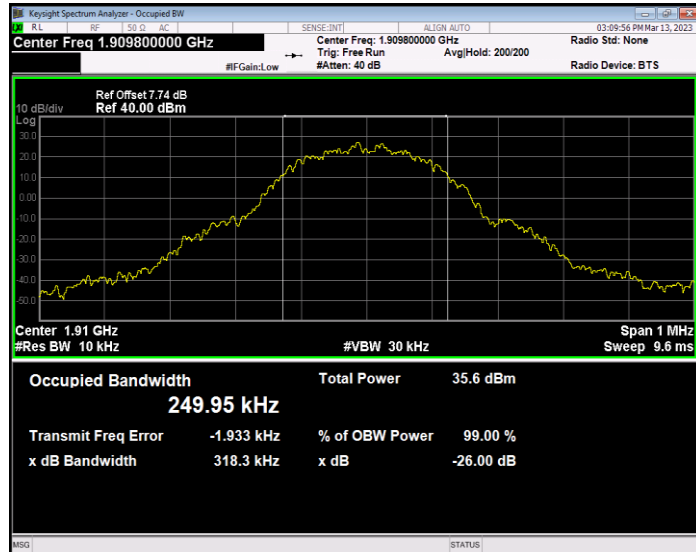
### GSM1900 Channel=512



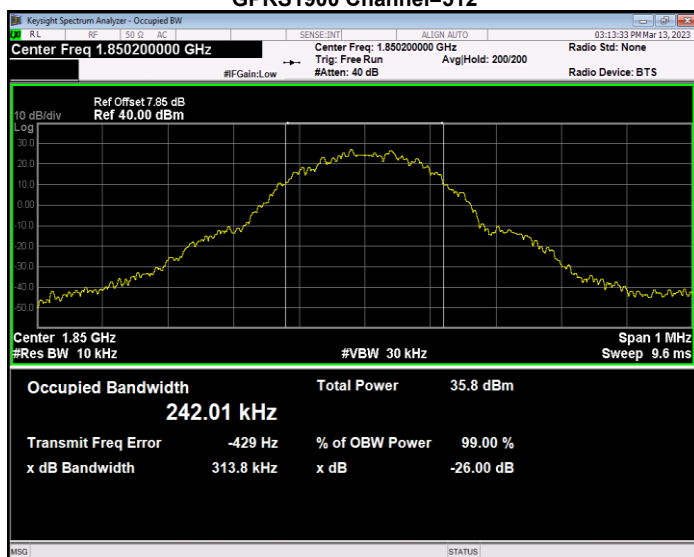
### GSM1900 Channel=661



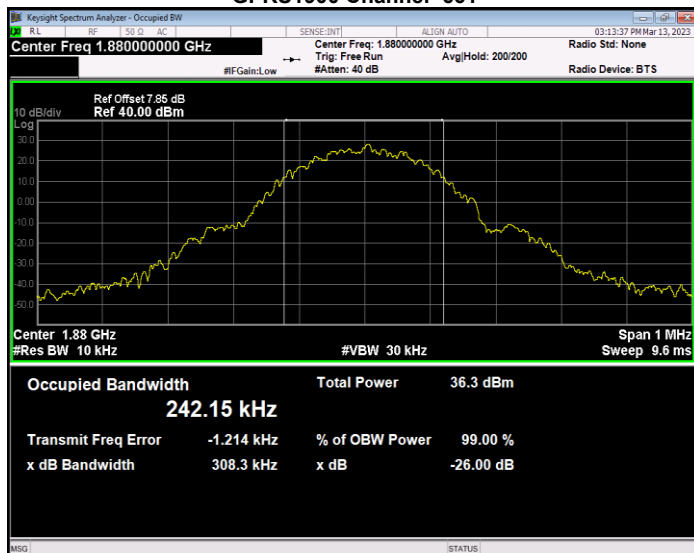
### GSM1900 Channel=810



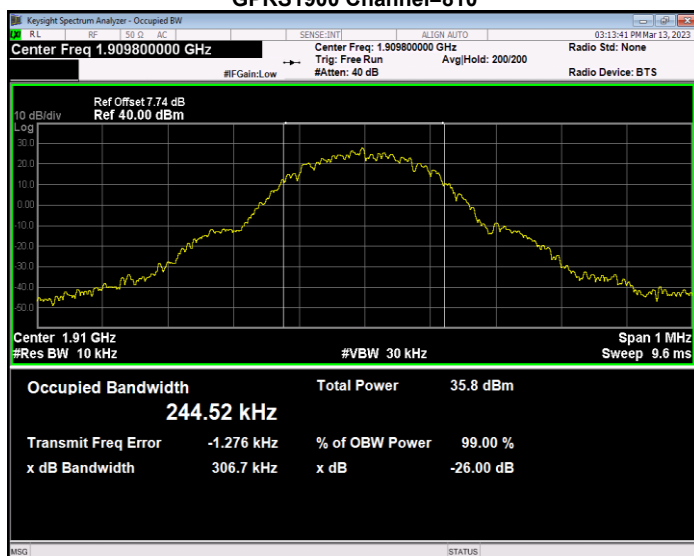
### GPRS1900 Channel=512



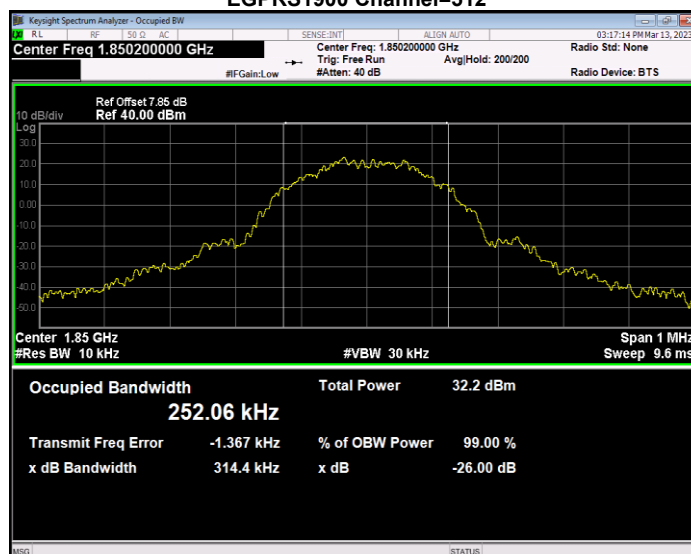
### GPRS1900 Channel=661



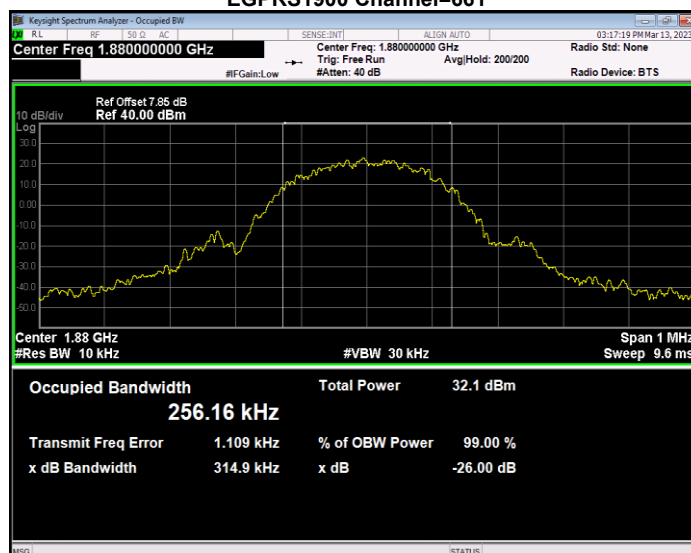
### GPRS1900 Channel=810



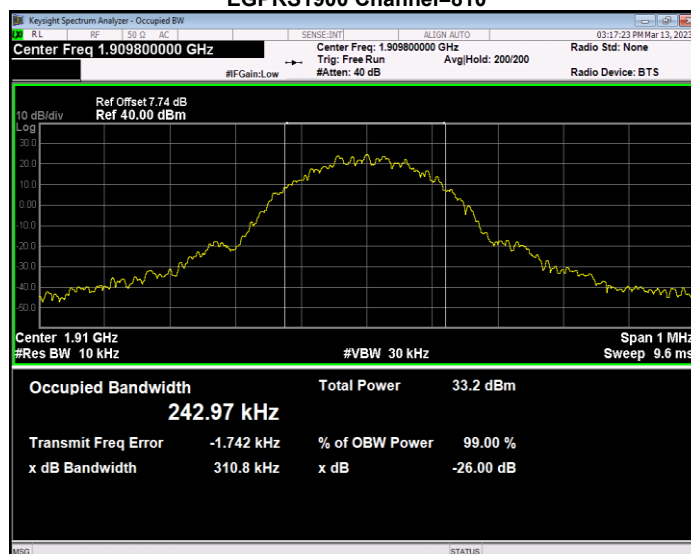
# EGPRS1900 Channel=512



# EGPRS1900 Channel=661



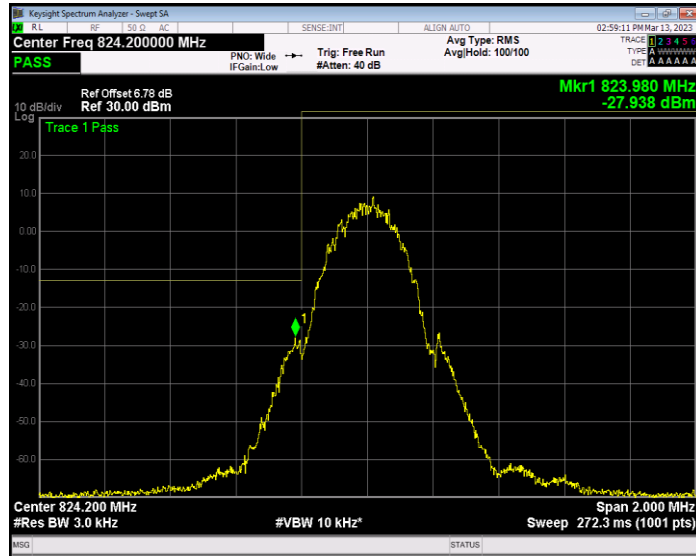
# EGPRS1900 Channel=810



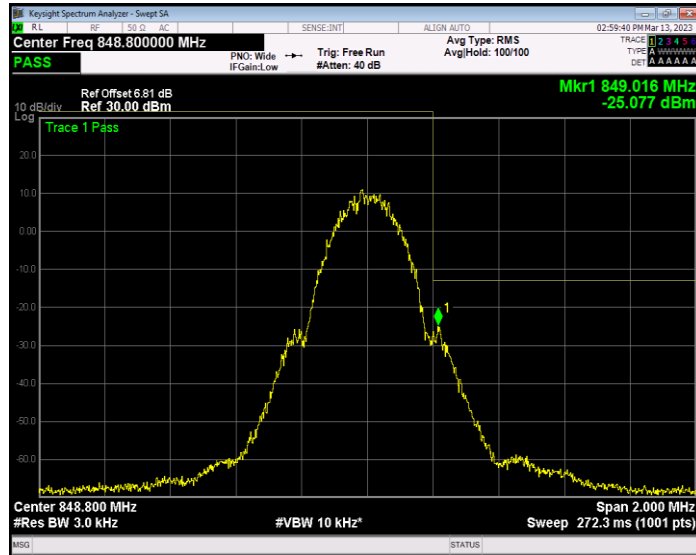
## Band edge

| Band      | Channel | Frequency (MHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|-----------|---------|-----------------|-----------------|------------------|-------------|---------|
| GSM850    | 128     | 824.2           | 823.98          | -27.93           | -13         | PASS    |
| GSM850    | 251     | 848.8           | 849.02          | -25.07           | -13         | PASS    |
| GPRS850   | 128     | 824.2           | 823.98          | -29.19           | -13         | PASS    |
| GPRS850   | 251     | 848.8           | 849.01          | -26.29           | -13         | PASS    |
| EGPRS850  | 128     | 824.2           | 824.00          | -35.17           | -13         | PASS    |
| EGPRS850  | 251     | 848.8           | 849.02          | -35.10           | -13         | PASS    |
| GSM1900   | 512     | 1850.2          | 1849.98         | -29.32           | -13         | PASS    |
| GSM1900   | 810     | 1909.8          | 1910.02         | -29.80           | -13         | PASS    |
| GPRS1900  | 512     | 1850.2          | 1849.98         | -30.96           | -13         | PASS    |
| GPRS1900  | 810     | 1909.8          | 1910.01         | -31.70           | -13         | PASS    |
| EGPRS1900 | 512     | 1850.2          | 1849.96         | -36.14           | -13         | PASS    |
| EGPRS1900 | 810     | 1909.8          | 1910.02         | -37.25           | -13         | PASS    |

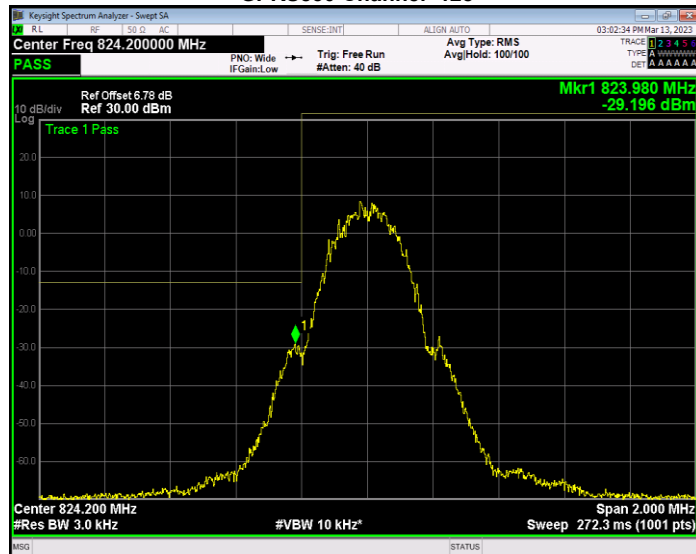
### GSM850 Channel=128



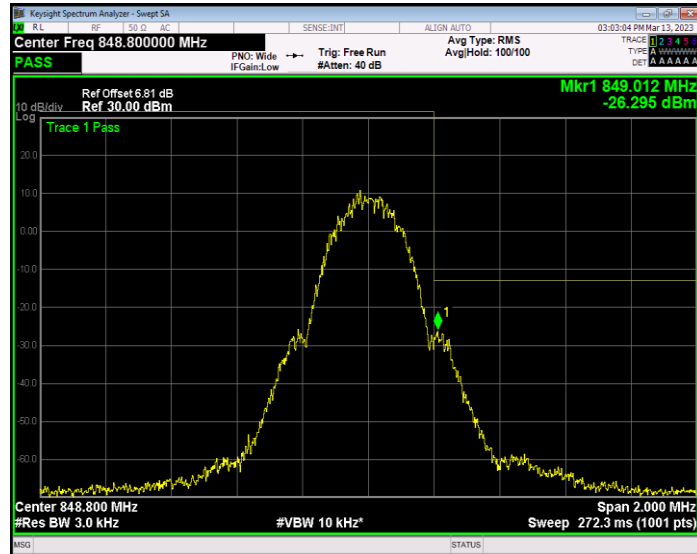
### GSM850 Channel=251



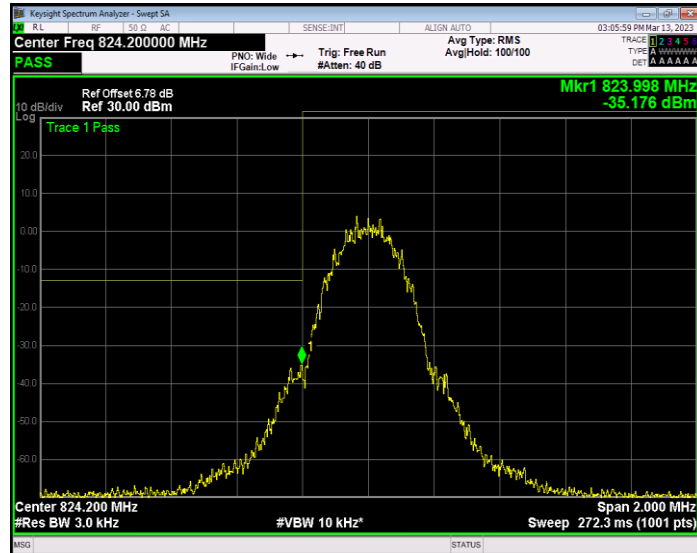
### GPRS850 Channel=128



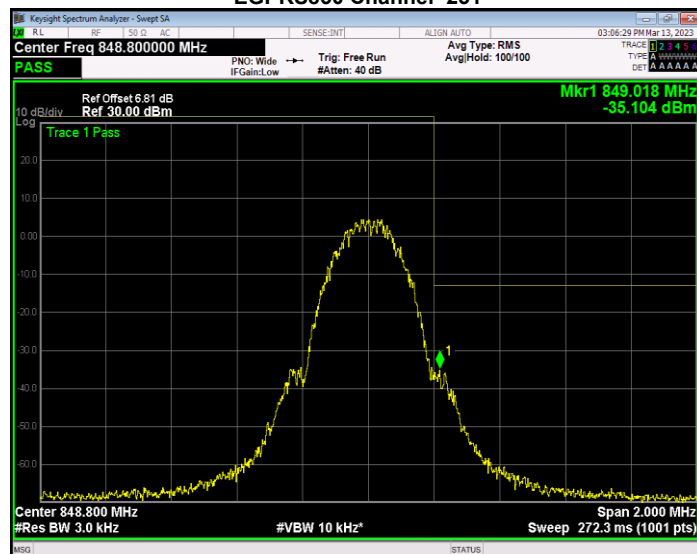
### GPRS850 Channel=251



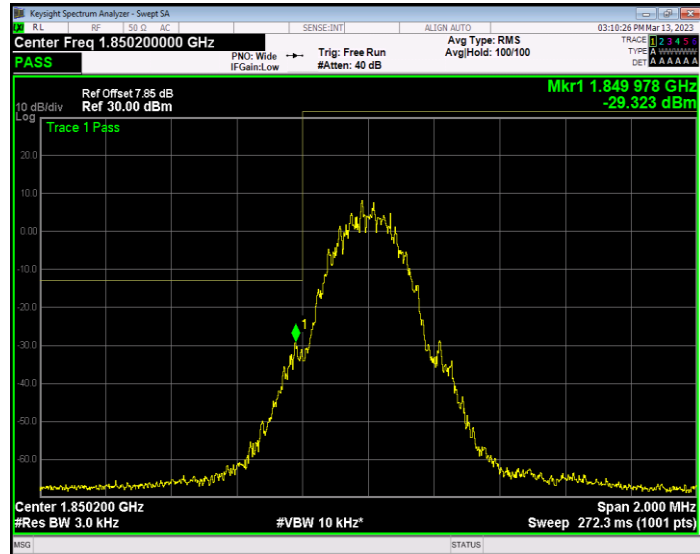
### EGPRS850 Channel=128



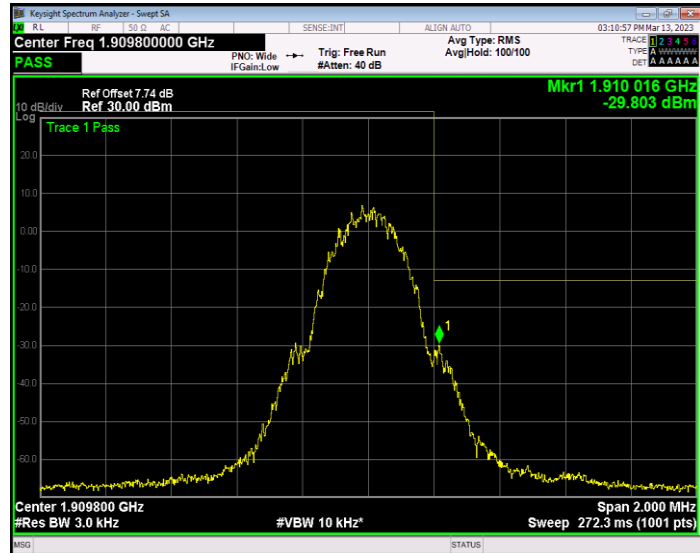
### EGPRS850 Channel=251



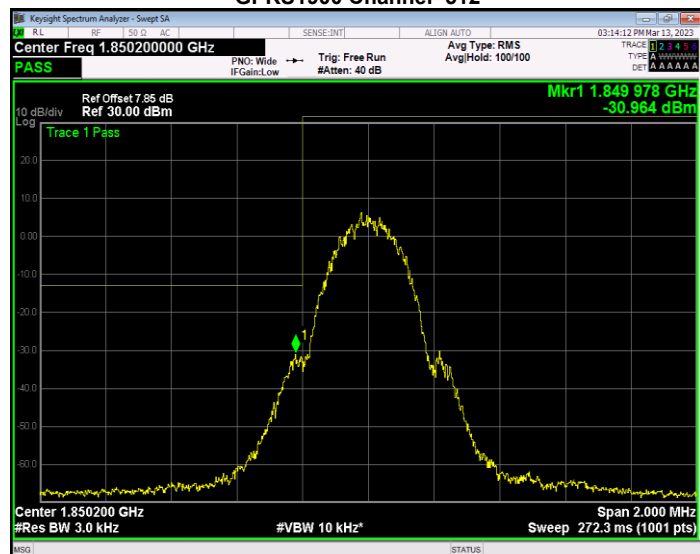
### GSM1900 Channel=512



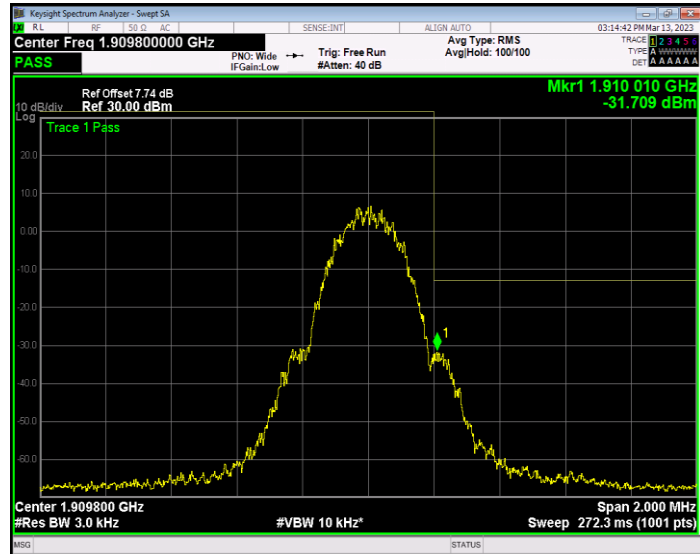
### GSM1900 Channel=810



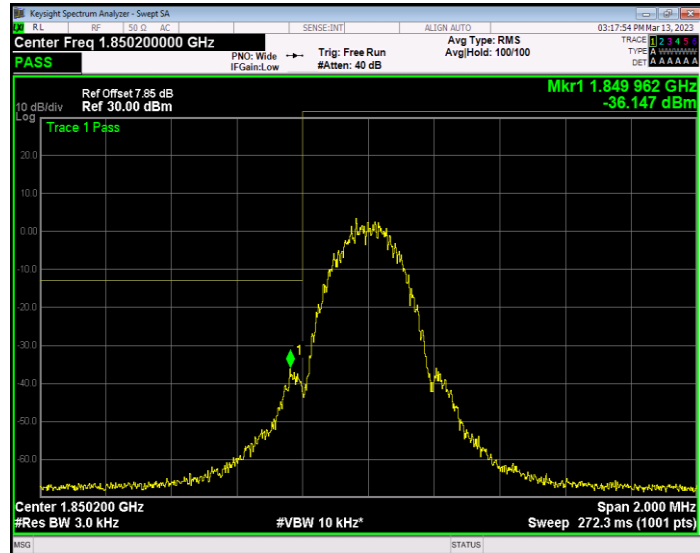
### GPRS1900 Channel=512



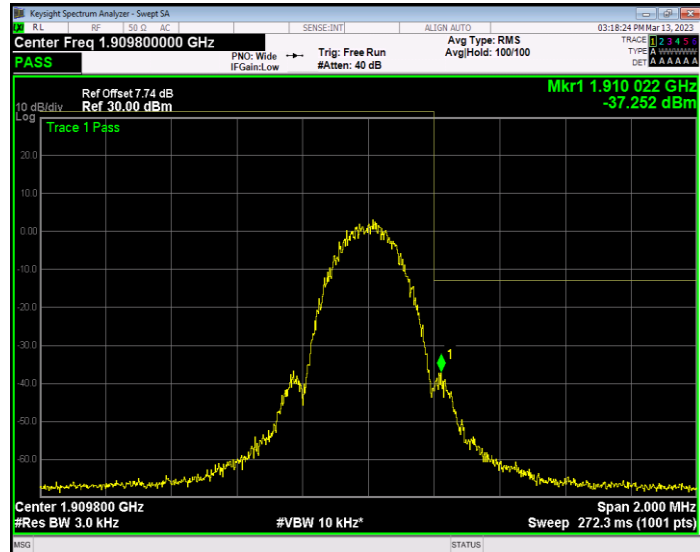
### GPRS1900 Channel=810



### EGPRS1900 Channel=512



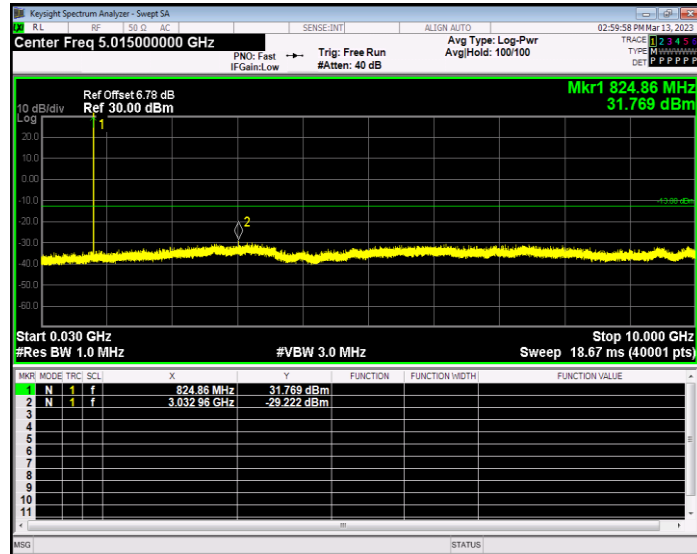
### EGPRS1900 Channel=810



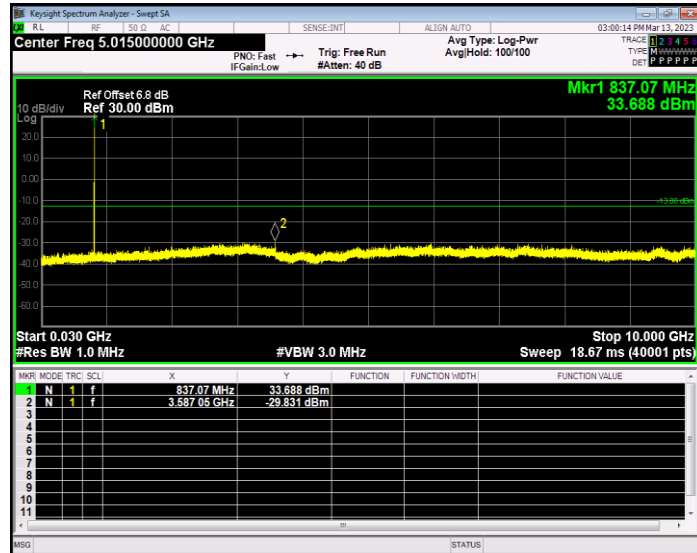
## Out-of-band emissions

| Band      | Channel | Frequency (MHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|-----------|---------|-----------------|-----------------|------------------|-------------|---------|
| GSM850    | 128     | 824.2           | 3032.96         | -29.22           | -13         | PASS    |
| GSM850    | 190     | 836.6           | 3587.05         | -29.83           | -13         | PASS    |
| GSM850    | 251     | 848.8           | 3264.52         | -29.87           | -13         | PASS    |
| GPRS850   | 128     | 824.2           | 3036.20         | -29.71           | -13         | PASS    |
| GPRS850   | 190     | 836.6           | 3153.60         | -29.68           | -13         | PASS    |
| GPRS850   | 251     | 848.8           | 3256.54         | -29.95           | -13         | PASS    |
| EGPRS850  | 128     | 824.2           | 3174.79         | -29.41           | -13         | PASS    |
| EGPRS850  | 190     | 836.6           | 124.47          | -28.37           | -13         | PASS    |
| EGPRS850  | 251     | 848.8           | 129.45          | -29.89           | -13         | PASS    |
| GSM1900   | 512     | 1850.2          | 19481.28        | -22.24           | -13         | PASS    |
| GSM1900   | 661     | 1880            | 16519.23        | -22.11           | -13         | PASS    |
| GSM1900   | 810     | 1909.8          | 19977.03        | -22.24           | -13         | PASS    |
| GPRS1900  | 512     | 1850.2          | 16432.86        | -22.77           | -13         | PASS    |
| GPRS1900  | 661     | 1880            | 16458.82        | -21.50           | -13         | PASS    |
| GPRS1900  | 810     | 1909.8          | 19258.11        | -21.96           | -13         | PASS    |
| EGPRS1900 | 512     | 1850.2          | 19859.71        | -22.24           | -13         | PASS    |
| EGPRS1900 | 661     | 1880            | 16582.63        | -22.52           | -13         | PASS    |
| EGPRS1900 | 810     | 1909.8          | 19531.20        | -21.00           | -13         | PASS    |

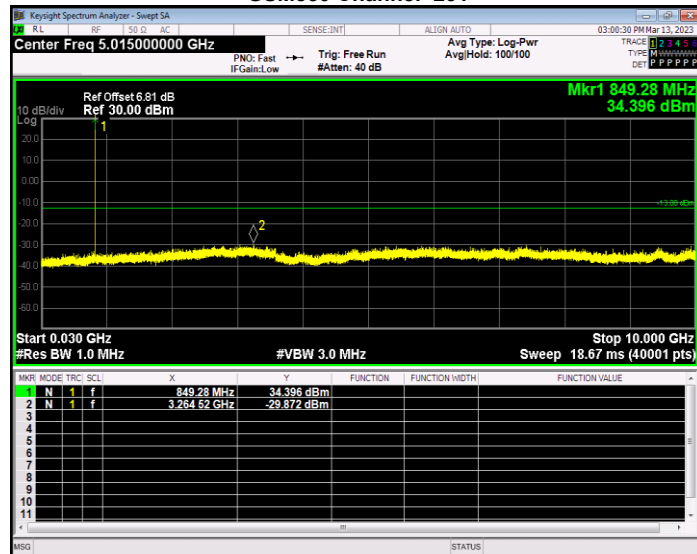
### GSM850 Channel=128



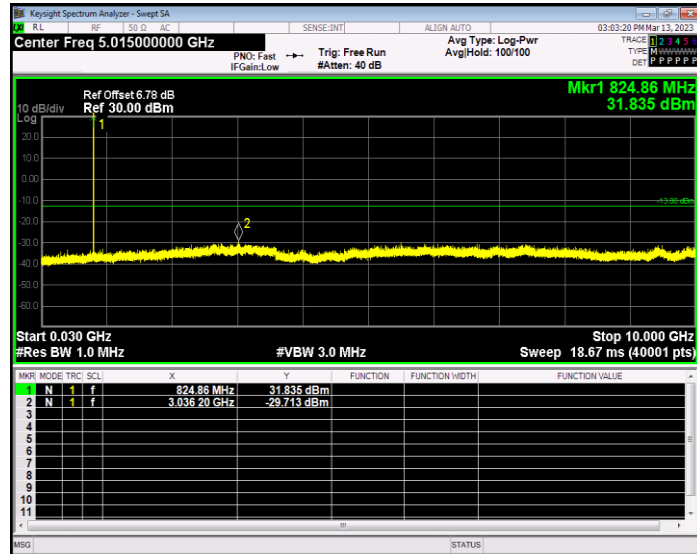
### GSM850 Channel=190



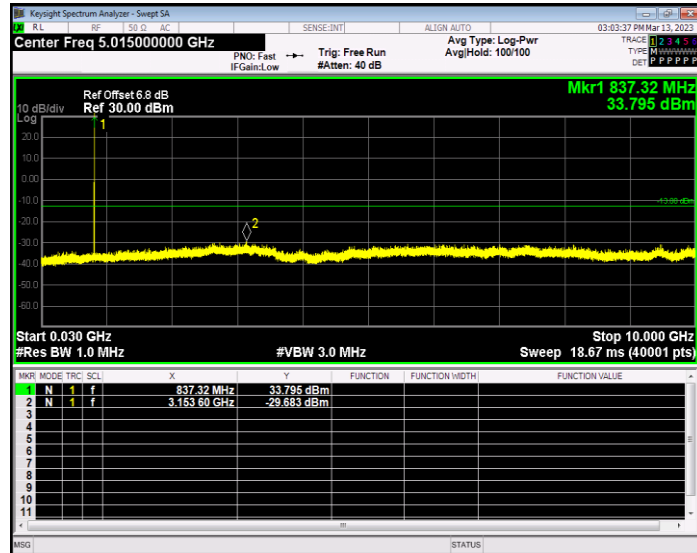
### GSM850 Channel=251



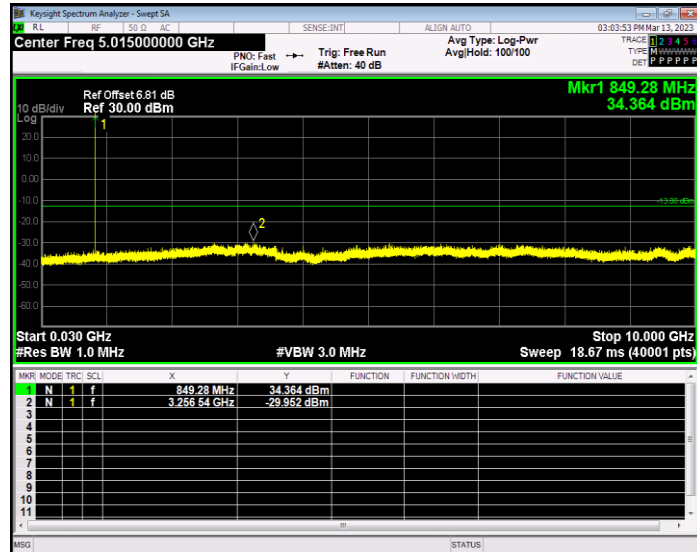
### GPRS850 Channel=128



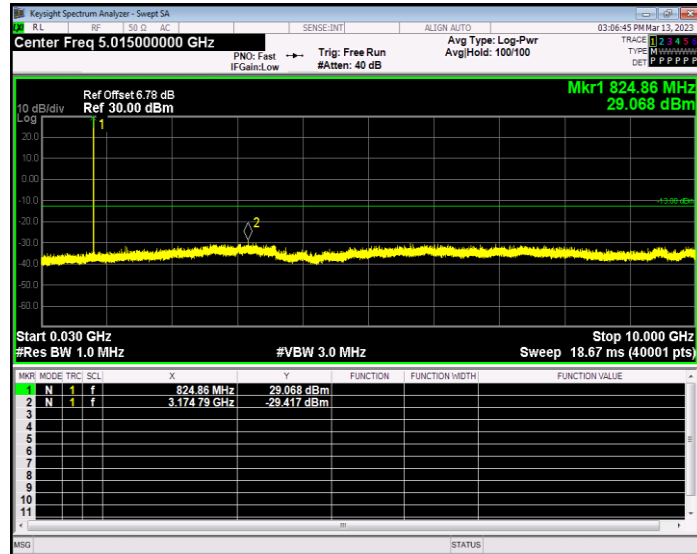
### GPRS850 Channel=190



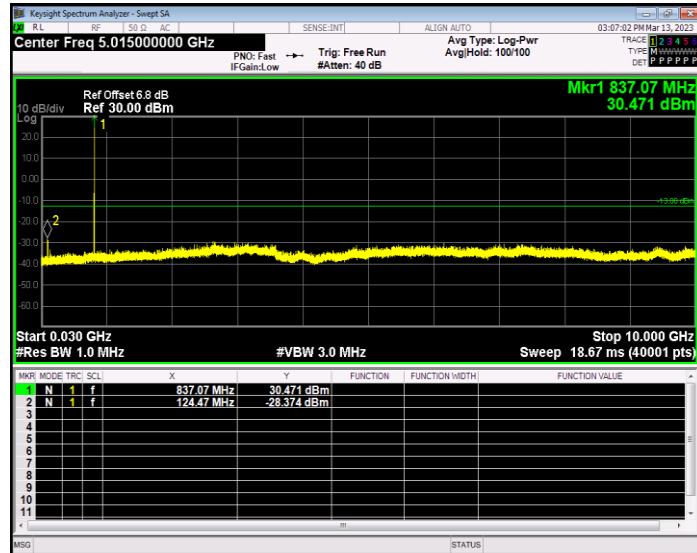
### GPRS850 Channel=251



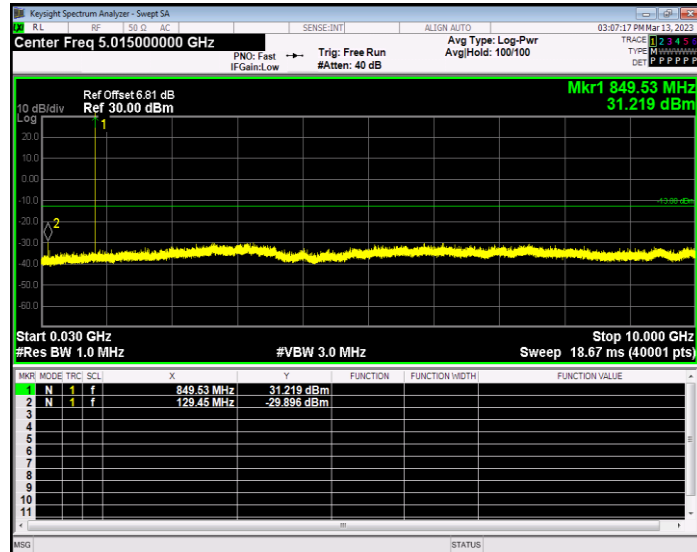
### EGPRS850 Channel=128



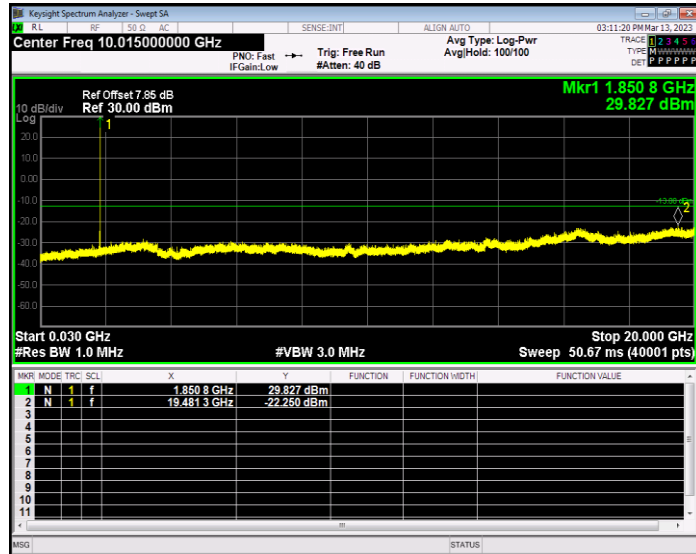
### EGPRS850 Channel=190



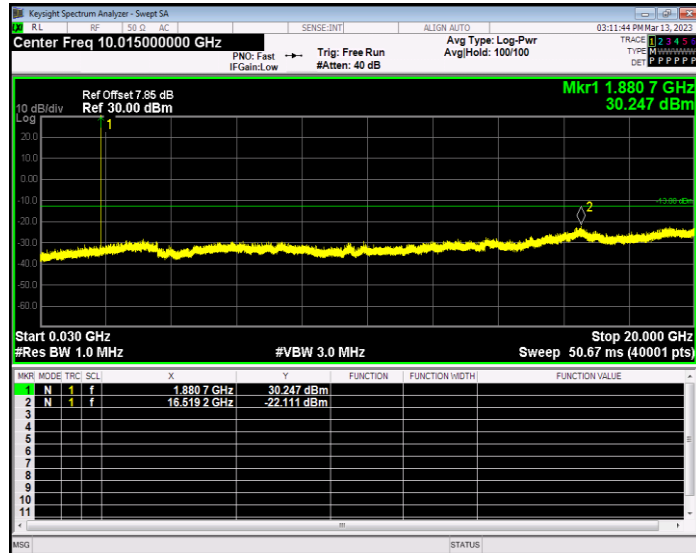
### EGPRS850 Channel=251



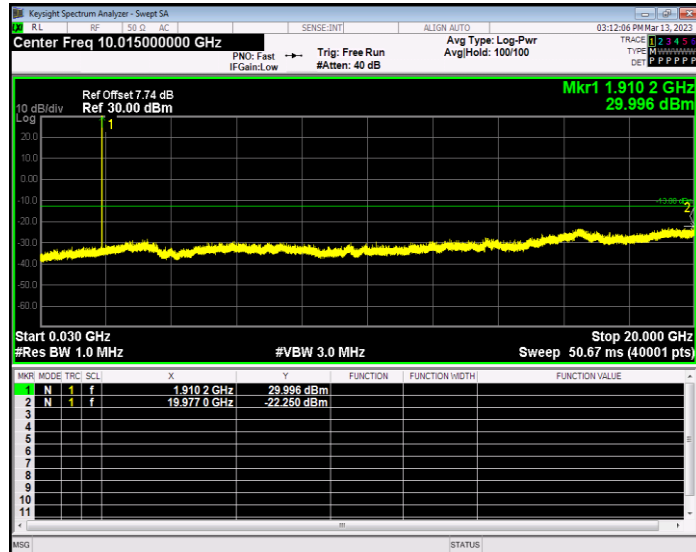
### GSM1900 Channel=512



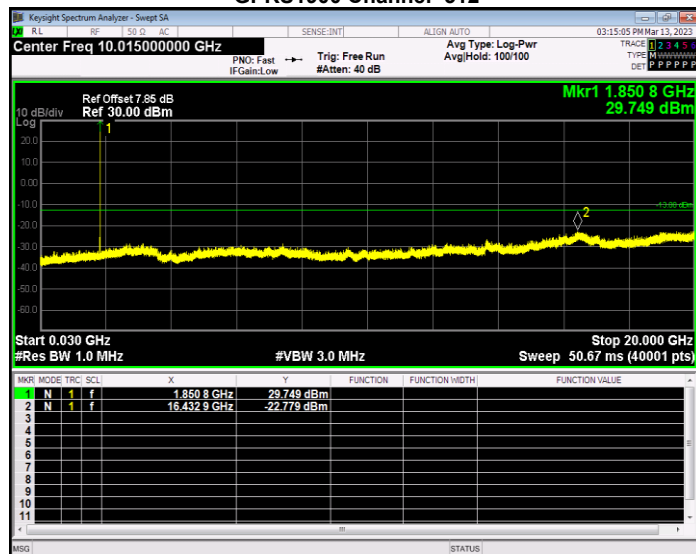
### GSM1900 Channel=661



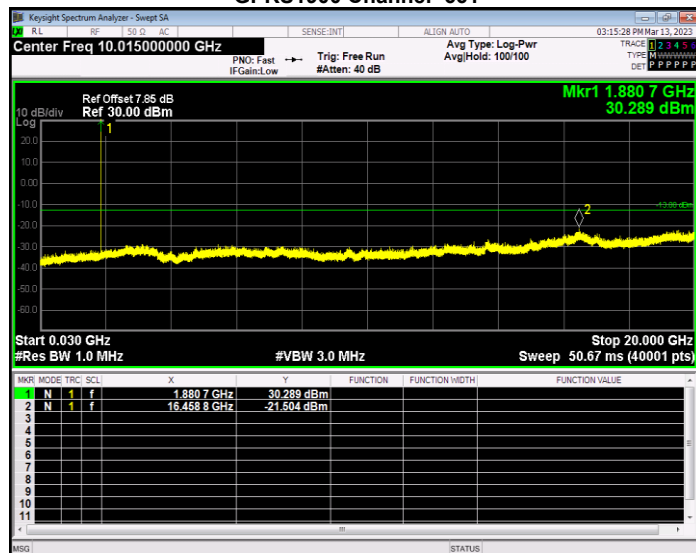
### GSM1900 Channel=810



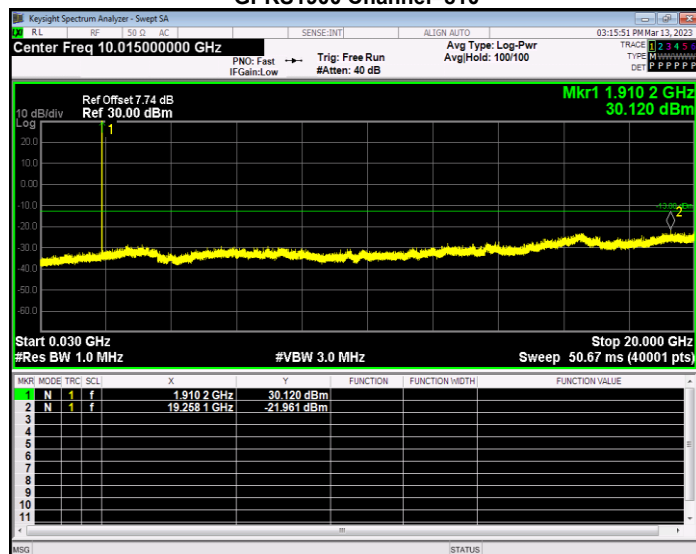
# GPRS1900 Channel=512



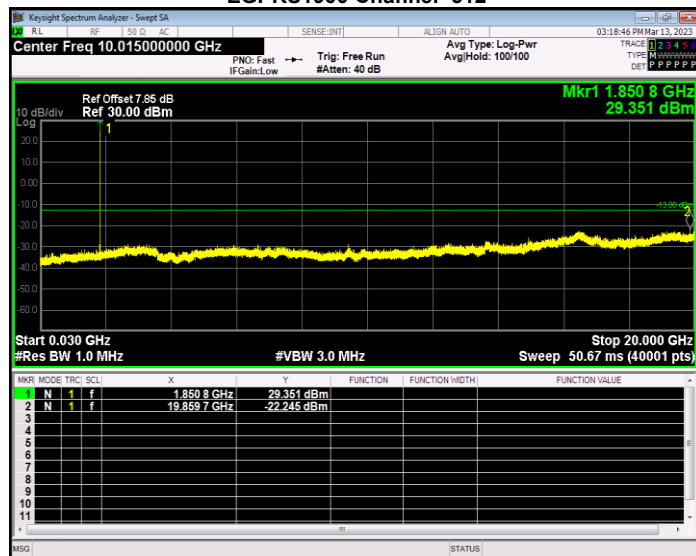
# GPRS1900 Channel=661



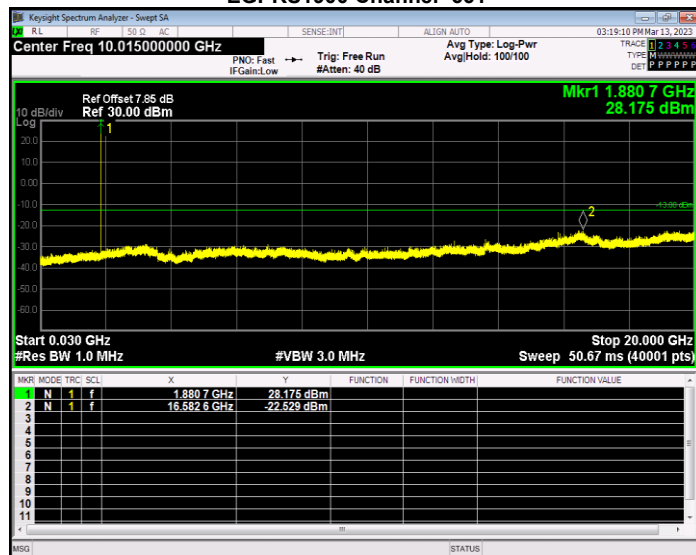
# GPRS1900 Channel=810



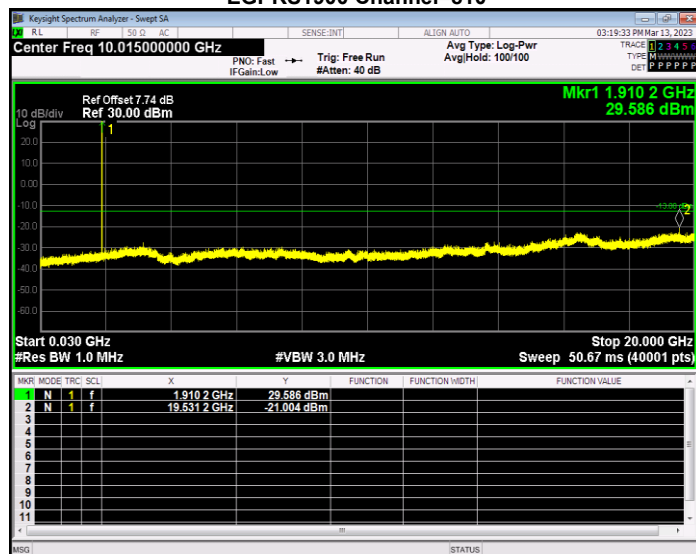
### EGPRS1900 Channel=512



### EGPRS1900 Channel=661

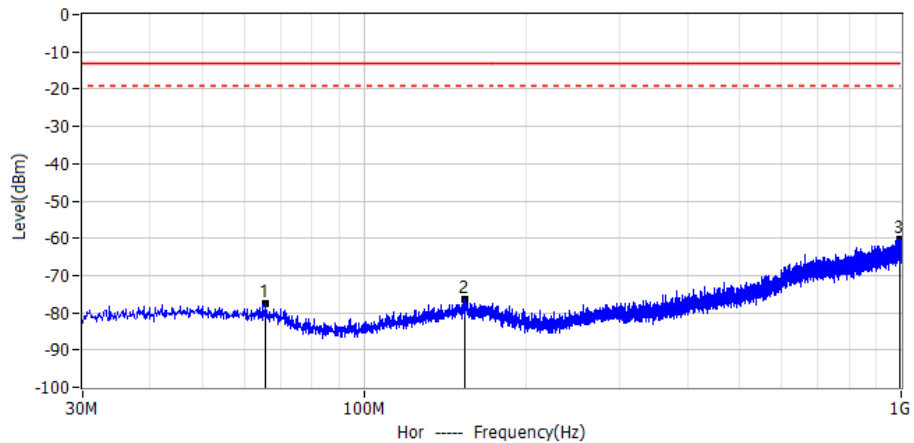


### EGPRS1900 Channel=810

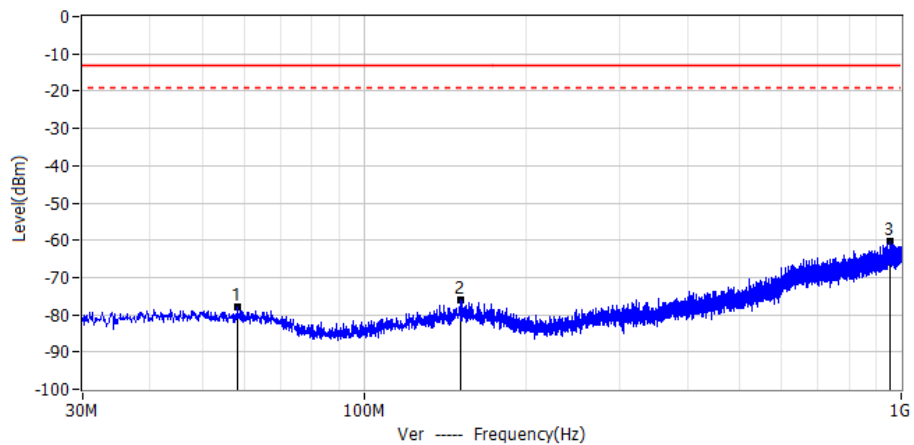


# RADIATED SPURIOUS EMISSION

|                           |                          |
|---------------------------|--------------------------|
| Project: LGT23C004        | Test Engineer: Dylan.shi |
| EUT: Smart Phone          | Temperature: 24.2°C      |
| M/N: CP12p                | Humidity: 45%RH          |
| Test Voltage: Battery     | Test Data: 2023-03-11    |
| Test Mode: GSM 850 Lowest |                          |
| Note:                     |                          |



| No. | Frequency  | Level dBm | Limit dBm | Margin dB | Detector | Polar |
|-----|------------|-----------|-----------|-----------|----------|-------|
| 1*  | 65.648MHz  | -77.39    | -13.00    | -64.39    | PK       | Hor   |
| 2*  | 154.524MHz | -76.39    | -13.00    | -63.39    | PK       | Hor   |
| 3*  | 995.271MHz | -60.19    | -13.00    | -47.19    | PK       | Hor   |



| No. | Frequency  | Level dBm | Limit dBm | Margin dB | Detector | Polar |
|-----|------------|-----------|-----------|-----------|----------|-------|
| 1*  | 58.251MHz  | -77.88    | -13.00    | -64.88    | PK       | Ver   |
| 2*  | 151.735MHz | -76.03    | -13.00    | -63.03    | PK       | Ver   |
| 3*  | 951.864MHz | -60.38    | -13.00    | -47.38    | PK       | Ver   |