

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 GSM850\_ERP

### 1.1.1 Test Result

| Band: GSM850 |         |            |                 |                       |            |           |         |         |
|--------------|---------|------------|-----------------|-----------------------|------------|-----------|---------|---------|
| ENV          | Mode    |            | Frequency (MHz) | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|              | Network | Subset     |                 |                       |            | Result    | Limit   |         |
| NTNV         | GSM     | GSM        | 824.2           | 31.35                 | -2.58      | 26.62     | <=38.45 | Pass    |
|              |         |            | 836.6           | 31.26                 | -2.58      | 26.53     | <=38.45 | Pass    |
|              |         |            | 848.8           | 31.41                 | -2.58      | 26.68     | <=38.45 | Pass    |
|              | GPRS    | 1 TX Slot  | 824.2           | 31.36                 | -2.58      | 26.63     | <=38.45 | Pass    |
|              |         | 2 TX Slots | 824.2           | 30.63                 | -2.58      | 25.90     | <=38.45 | Pass    |
|              |         | 3 TX Slots | 824.2           | 28.95                 | -2.58      | 24.22     | <=38.45 | Pass    |
|              |         | 4 TX Slots | 824.2           | 27.92                 | -2.58      | 23.19     | <=38.45 | Pass    |
|              |         | 1 TX Slot  | 836.6           | 31.24                 | -2.58      | 26.51     | <=38.45 | Pass    |
|              |         | 2 TX Slots | 836.6           | 30.51                 | -2.58      | 25.78     | <=38.45 | Pass    |
|              |         | 3 TX Slots | 836.6           | 28.82                 | -2.58      | 24.09     | <=38.45 | Pass    |
|              |         | 4 TX Slots | 836.6           | 27.79                 | -2.58      | 23.06     | <=38.45 | Pass    |
|              |         | 1 TX Slot  | 848.8           | 31.40                 | -2.58      | 26.67     | <=38.45 | Pass    |
|              |         | 2 TX Slots | 848.8           | 30.67                 | -2.58      | 25.94     | <=38.45 | Pass    |
|              |         | 3 TX Slots | 848.8           | 28.96                 | -2.58      | 24.23     | <=38.45 | Pass    |
|              |         | 4 TX Slots | 848.8           | 27.93                 | -2.58      | 23.20     | <=38.45 | Pass    |
|              | EGPRS   | 1 TX Slot  | 824.2           | 25.44                 | -2.58      | 20.71     | <=38.45 | Pass    |
|              |         | 2 TX Slots | 824.2           | 24.28                 | -2.58      | 19.55     | <=38.45 | Pass    |
|              |         | 3 TX Slots | 824.2           | 22.37                 | -2.58      | 17.64     | <=38.45 | Pass    |
|              |         | 4 TX Slots | 824.2           | 21.09                 | -2.58      | 16.36     | <=38.45 | Pass    |
|              |         | 1 TX Slot  | 836.6           | 25.18                 | -2.58      | 20.45     | <=38.45 | Pass    |
|              |         | 2 TX Slots | 836.6           | 24.21                 | -2.58      | 19.48     | <=38.45 | Pass    |
|              |         | 3 TX Slots | 836.6           | 23.50                 | -2.58      | 18.77     | <=38.45 | Pass    |
|              |         | 4 TX Slots | 836.6           | 21.09                 | -2.58      | 16.36     | <=38.45 | Pass    |
|              |         | 1 TX Slot  | 848.8           | 25.45                 | -2.58      | 20.72     | <=38.45 | Pass    |
|              |         | 2 TX Slots | 848.8           | 24.48                 | -2.58      | 19.75     | <=38.45 | Pass    |
|              |         | 3 TX Slots | 848.8           | 22.44                 | -2.58      | 17.71     | <=38.45 | Pass    |
|              |         | 4 TX Slots | 848.8           | 21.15                 | -2.58      | 16.42     | <=38.45 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

# 2. Frequency Stability

## 2.1 GSM850

### 2.1.1 Test Result

| Band: GSM850 |                 |            |               |                  |                       |             |         |
|--------------|-----------------|------------|---------------|------------------|-----------------------|-------------|---------|
| Network      | Frequency (MHz) | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|              |                 |            |               |                  | Result                | Limit       |         |
| GSM          | 824.2           | 20         | 3.27          | 2.744            | 0.0033                | -2.5 to 2.5 | Pass    |
|              |                 |            | 3.85          | 5.618            | 0.0068                | -2.5 to 2.5 | Pass    |
|              |                 |            | 4.43          | -3.777           | -0.0046               | -2.5 to 2.5 | Pass    |
|              |                 | -30        | 3.85          | 1.227            | 0.0015                | -2.5 to 2.5 | Pass    |
|              |                 | -20        | 3.85          | -0.839           | -0.0010               | -2.5 to 2.5 | Pass    |
|              |                 | -10        | 3.85          | -3.487           | -0.0042               | -2.5 to 2.5 | Pass    |
|              |                 | 0          | 3.85          | -3.777           | -0.0046               | -2.5 to 2.5 | Pass    |
|              |                 | 10         | 3.85          | -1.808           | -0.0022               | -2.5 to 2.5 | Pass    |

|       |       |       |        |         |             |             |             |
|-------|-------|-------|--------|---------|-------------|-------------|-------------|
|       | 836.6 | 30    | 3.85   | 0.161   | 0.0002      | -2.5 to 2.5 | Pass        |
|       |       | 40    | 3.85   | -3.390  | -0.0041     | -2.5 to 2.5 | Pass        |
|       |       | 50    | 3.85   | 0.936   | 0.0011      | -2.5 to 2.5 | Pass        |
|       |       | 20    | 3.27   | -0.710  | -0.0008     | -2.5 to 2.5 | Pass        |
|       |       |       | 3.85   | 2.292   | 0.0027      | -2.5 to 2.5 | Pass        |
|       |       |       | 4.43   | -0.226  | -0.0003     | -2.5 to 2.5 | Pass        |
|       |       | -30   | 3.85   | 2.712   | 0.0032      | -2.5 to 2.5 | Pass        |
|       |       | -20   | 3.85   | 2.357   | 0.0028      | -2.5 to 2.5 | Pass        |
|       |       | -10   | 3.85   | -1.808  | -0.0022     | -2.5 to 2.5 | Pass        |
|       | 0     | 3.85  | -0.678 | -0.0008 | -2.5 to 2.5 | Pass        |             |
|       | 10    | 3.85  | 0.646  | 0.0008  | -2.5 to 2.5 | Pass        |             |
|       | 30    | 3.85  | 0.387  | 0.0005  | -2.5 to 2.5 | Pass        |             |
|       | 40    | 3.85  | -0.904 | -0.0011 | -2.5 to 2.5 | Pass        |             |
|       | 50    | 3.85  | -2.970 | -0.0036 | -2.5 to 2.5 | Pass        |             |
|       | 848.8 | 20    | 3.27   | -1.033  | -0.0012     | -2.5 to 2.5 | Pass        |
|       |       |       | 3.85   | -2.325  | -0.0027     | -2.5 to 2.5 | Pass        |
|       |       |       | 4.43   | 0.936   | 0.0011      | -2.5 to 2.5 | Pass        |
|       |       | -30   | 3.85   | -0.969  | -0.0011     | -2.5 to 2.5 | Pass        |
|       |       | -20   | 3.85   | 0.387   | 0.0005      | -2.5 to 2.5 | Pass        |
|       |       | -10   | 3.85   | -1.098  | -0.0013     | -2.5 to 2.5 | Pass        |
|       |       | 0     | 3.85   | 5.230   | 0.0062      | -2.5 to 2.5 | Pass        |
| 10    |       | 3.85  | 3.035  | 0.0036  | -2.5 to 2.5 | Pass        |             |
| 30    |       | 3.85  | 1.582  | 0.0019  | -2.5 to 2.5 | Pass        |             |
| 40    |       | 3.85  | -0.226 | -0.0003 | -2.5 to 2.5 | Pass        |             |
| 50    |       | 3.85  | 0.323  | 0.0004  | -2.5 to 2.5 | Pass        |             |
| GPRS  |       | 824.2 | 20     | 3.27    | -0.969      | -0.0012     | -2.5 to 2.5 |
|       | 3.85  |       |        | -3.777  | -0.0046     | -2.5 to 2.5 | Pass        |
|       | 4.43  |       |        | -3.713  | -0.0045     | -2.5 to 2.5 | Pass        |
|       | -30   |       | 3.85   | -4.068  | -0.0049     | -2.5 to 2.5 | Pass        |
|       | -20   |       | 3.85   | -2.421  | -0.0029     | -2.5 to 2.5 | Pass        |
|       | -10   |       | 3.85   | -3.616  | -0.0044     | -2.5 to 2.5 | Pass        |
|       | 0     |       | 3.85   | -4.133  | -0.0050     | -2.5 to 2.5 | Pass        |
|       | 10    |       | 3.85   | -2.873  | -0.0035     | -2.5 to 2.5 | Pass        |
|       | 30    |       | 3.85   | -1.324  | -0.0016     | -2.5 to 2.5 | Pass        |
|       | 40    |       | 3.85   | -1.614  | -0.0020     | -2.5 to 2.5 | Pass        |
|       | 50    |       | 3.85   | -4.778  | -0.0058     | -2.5 to 2.5 | Pass        |
|       | 836.6 |       | 20     | 3.27    | -0.226      | -0.0003     | -2.5 to 2.5 |
|       |       | 3.85  |        | -0.904  | -0.0011     | -2.5 to 2.5 | Pass        |
|       |       | 4.43  |        | -1.259  | -0.0015     | -2.5 to 2.5 | Pass        |
|       |       | -30   | 3.85   | -1.969  | -0.0024     | -2.5 to 2.5 | Pass        |
|       |       | -20   | 3.85   | -3.777  | -0.0045     | -2.5 to 2.5 | Pass        |
|       |       | -10   | 3.85   | -1.840  | -0.0022     | -2.5 to 2.5 | Pass        |
|       |       | 0     | 3.85   | -3.713  | -0.0044     | -2.5 to 2.5 | Pass        |
|       |       | 10    | 3.85   | 0.613   | 0.0007      | -2.5 to 2.5 | Pass        |
|       |       | 30    | 3.85   | -2.292  | -0.0027     | -2.5 to 2.5 | Pass        |
|       |       | 40    | 3.85   | -1.711  | -0.0020     | -2.5 to 2.5 | Pass        |
|       |       | 50    | 3.85   | -4.262  | -0.0051     | -2.5 to 2.5 | Pass        |
|       |       | 848.8 | 20     | 3.27    | 0.613       | 0.0007      | -2.5 to 2.5 |
|       | 3.85  |       |        | 1.033   | 0.0012      | -2.5 to 2.5 | Pass        |
|       | 4.43  |       |        | -1.840  | -0.0022     | -2.5 to 2.5 | Pass        |
|       | -30   |       | 3.85   | -2.066  | -0.0024     | -2.5 to 2.5 | Pass        |
|       | -20   |       | 3.85   | -2.131  | -0.0025     | -2.5 to 2.5 | Pass        |
| -10   | 3.85  |       | -3.003 | -0.0035 | -2.5 to 2.5 | Pass        |             |
| 0     | 3.85  |       | -0.904 | -0.0011 | -2.5 to 2.5 | Pass        |             |
| 10    | 3.85  |       | -2.389 | -0.0028 | -2.5 to 2.5 | Pass        |             |
| 30    | 3.85  |       | -1.905 | -0.0022 | -2.5 to 2.5 | Pass        |             |
| 40    | 3.85  |       | -1.647 | -0.0019 | -2.5 to 2.5 | Pass        |             |
| 50    | 3.85  |       | -3.293 | -0.0039 | -2.5 to 2.5 | Pass        |             |
| EGPRS | 824.2 |       | 20     | 3.27    | 1.840       | 0.0022      | -2.5 to 2.5 |

|    |       |       |        |             |             |             |             |      |
|----|-------|-------|--------|-------------|-------------|-------------|-------------|------|
|    |       |       | 3.85   | -0.807      | -0.0010     | -2.5 to 2.5 | Pass        |      |
|    |       |       | 4.43   | 2.615       | 0.0032      | -2.5 to 2.5 | Pass        |      |
|    |       | -30   | 3.85   | 0.387       | 0.0005      | -2.5 to 2.5 | Pass        |      |
|    |       | -20   | 3.85   | -4.552      | -0.0055     | -2.5 to 2.5 | Pass        |      |
|    |       | -10   | 3.85   | -1.485      | -0.0018     | -2.5 to 2.5 | Pass        |      |
|    |       | 0     | 3.85   | -2.260      | -0.0027     | -2.5 to 2.5 | Pass        |      |
|    |       | 10    | 3.85   | -0.032      | 0.0000      | -2.5 to 2.5 | Pass        |      |
|    |       | 30    | 3.85   | -1.905      | -0.0023     | -2.5 to 2.5 | Pass        |      |
|    |       | 40    | 3.85   | -1.969      | -0.0024     | -2.5 to 2.5 | Pass        |      |
|    |       | 50    | 3.85   | -0.969      | -0.0012     | -2.5 to 2.5 | Pass        |      |
|    | 836.6 | 20    |        | 3.27        | 5.069       | 0.0061      | -2.5 to 2.5 | Pass |
|    |       |       |        | 3.85        | 3.455       | 0.0041      | -2.5 to 2.5 | Pass |
|    |       |       |        | 4.43        | -0.549      | -0.0007     | -2.5 to 2.5 | Pass |
|    |       | -30   | 3.85   | 4.003       | 0.0048      | -2.5 to 2.5 | Pass        |      |
|    |       | -20   | 3.85   | 2.518       | 0.0030      | -2.5 to 2.5 | Pass        |      |
|    |       | -10   | 3.85   | 2.583       | 0.0031      | -2.5 to 2.5 | Pass        |      |
|    |       | 0     | 3.85   | -0.969      | -0.0012     | -2.5 to 2.5 | Pass        |      |
|    |       | 10    | 3.85   | 3.971       | 0.0047      | -2.5 to 2.5 | Pass        |      |
|    |       | 30    | 3.85   | -2.131      | -0.0025     | -2.5 to 2.5 | Pass        |      |
|    |       | 40    | 3.85   | -0.420      | -0.0005     | -2.5 to 2.5 | Pass        |      |
|    | 50    | 3.85  | 0.678  | 0.0008      | -2.5 to 2.5 | Pass        |             |      |
|    | 848.8 | 20    |        | 3.27        | 0.420       | 0.0005      | -2.5 to 2.5 | Pass |
|    |       |       |        | 3.85        | 1.647       | 0.0019      | -2.5 to 2.5 | Pass |
|    |       |       |        | 4.43        | 3.132       | 0.0037      | -2.5 to 2.5 | Pass |
|    |       | -30   | 3.85   | 2.873       | 0.0034      | -2.5 to 2.5 | Pass        |      |
|    |       | -20   | 3.85   | 2.744       | 0.0032      | -2.5 to 2.5 | Pass        |      |
|    |       | -10   | 3.85   | 2.357       | 0.0028      | -2.5 to 2.5 | Pass        |      |
|    |       | 0     | 3.85   | 1.162       | 0.0014      | -2.5 to 2.5 | Pass        |      |
| 10 |       | 3.85  | -1.195 | -0.0014     | -2.5 to 2.5 | Pass        |             |      |
| 30 |       | 3.85  | 0.936  | 0.0011      | -2.5 to 2.5 | Pass        |             |      |
| 40 |       | 3.85  | 3.067  | 0.0036      | -2.5 to 2.5 | Pass        |             |      |
| 50 | 3.85  | 0.872 | 0.0010 | -2.5 to 2.5 | Pass        |             |             |      |

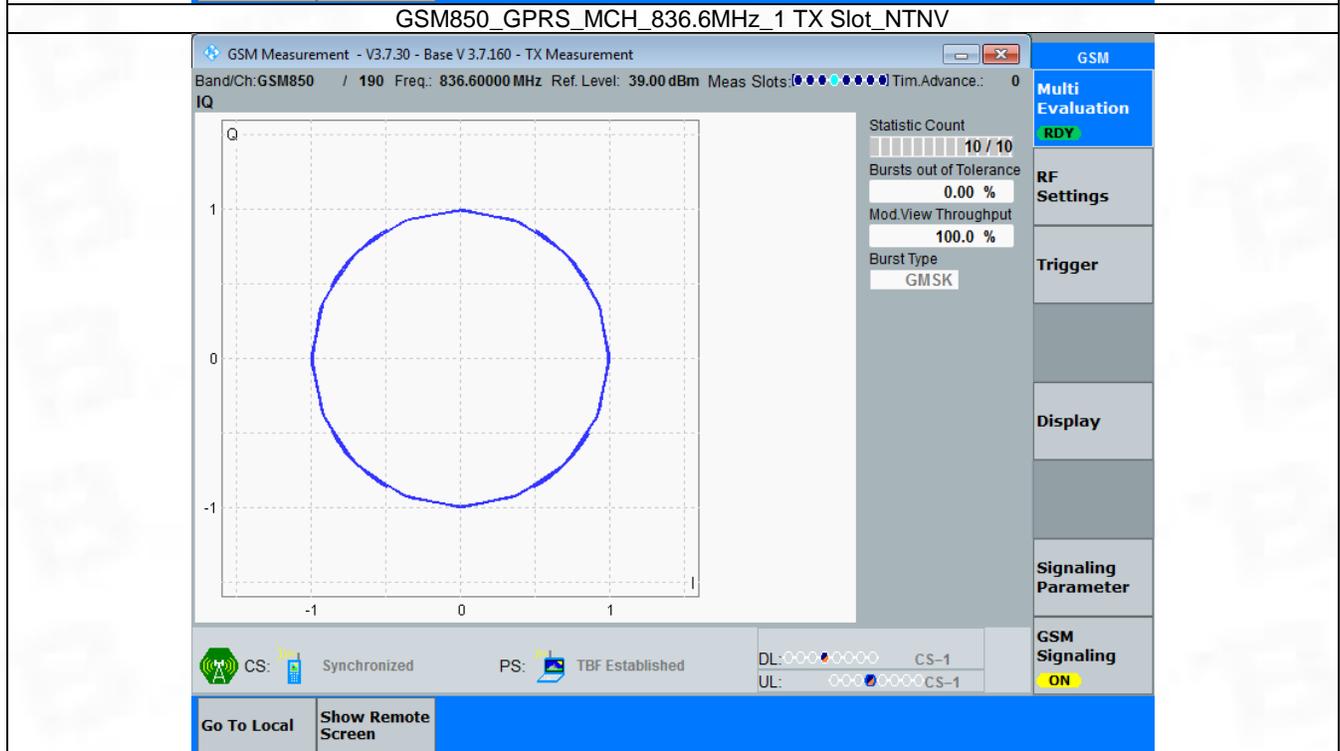
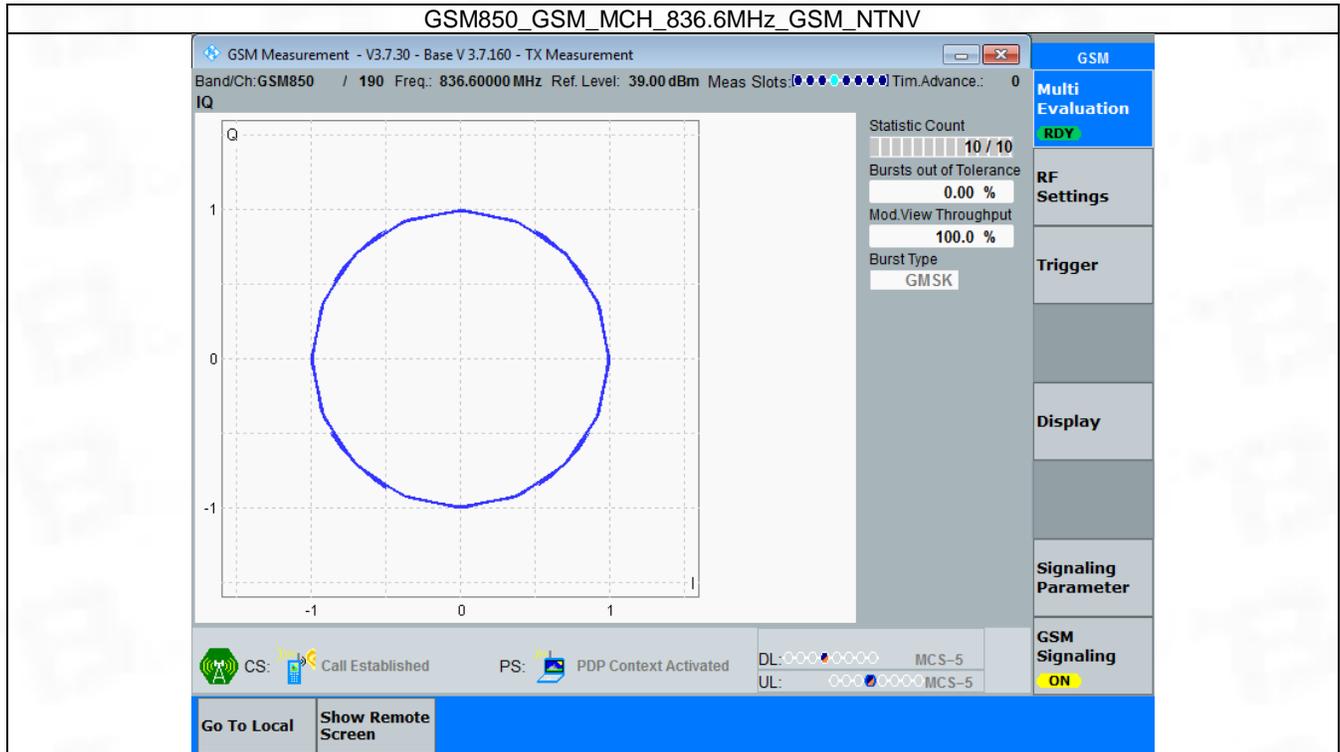
### 3. Modulation Characteristics

#### 3.1 GSM850

##### 3.1.1 Test Result

| Band: GSM850 |         |           |                 |                            |       |         |
|--------------|---------|-----------|-----------------|----------------------------|-------|---------|
| ENV          | Mode    |           | Frequency (MHz) | Modulation Characteristics |       | Verdict |
|              | Network | Subset    |                 | Result                     | Limit |         |
| NTNV         | GSM     | GSM       | 836.6           | Refer To Test Graph        |       | Pass    |
|              | GPRS    | 1 TX Slot | 836.6           | Refer To Test Graph        |       | Pass    |
|              | EGPRS   | 1 TX Slot | 836.6           | Refer To Test Graph        |       | Pass    |

### 3.1.2 Test Graph



# GSM850\_EGPRS\_MCH\_836.6MHz\_1 TX Slot\_NTNV

GSM Measurement - V3.7.30 - Base V 3.7.160 - TX Measurement

Band/Ch: GSM850 / 190 Freq.: 836.60000 MHz Ref. Level: 42.23 dBm Meas Slots: [●●●●●●●●] Tim. Advance.: 0

**IQ**

Statistic Count: 10 / 10  
Bursts out of Tolerance: 0.00 %  
Mod.View Throughput: 100.0 %  
Burst Type: 8PSK

**GSM**

- Multi Evaluation: **RDY**
- RF Settings
- Trigger
- Display
- Signaling Parameter
- GSM Signaling: **ON**

CS: [📶] Synchronized PS: [📶] TBF Established DL: [●●●●●●●●] MCS-5 UL: [●●●●●●●●] MCS-5

Go To Local Show Remote Screen

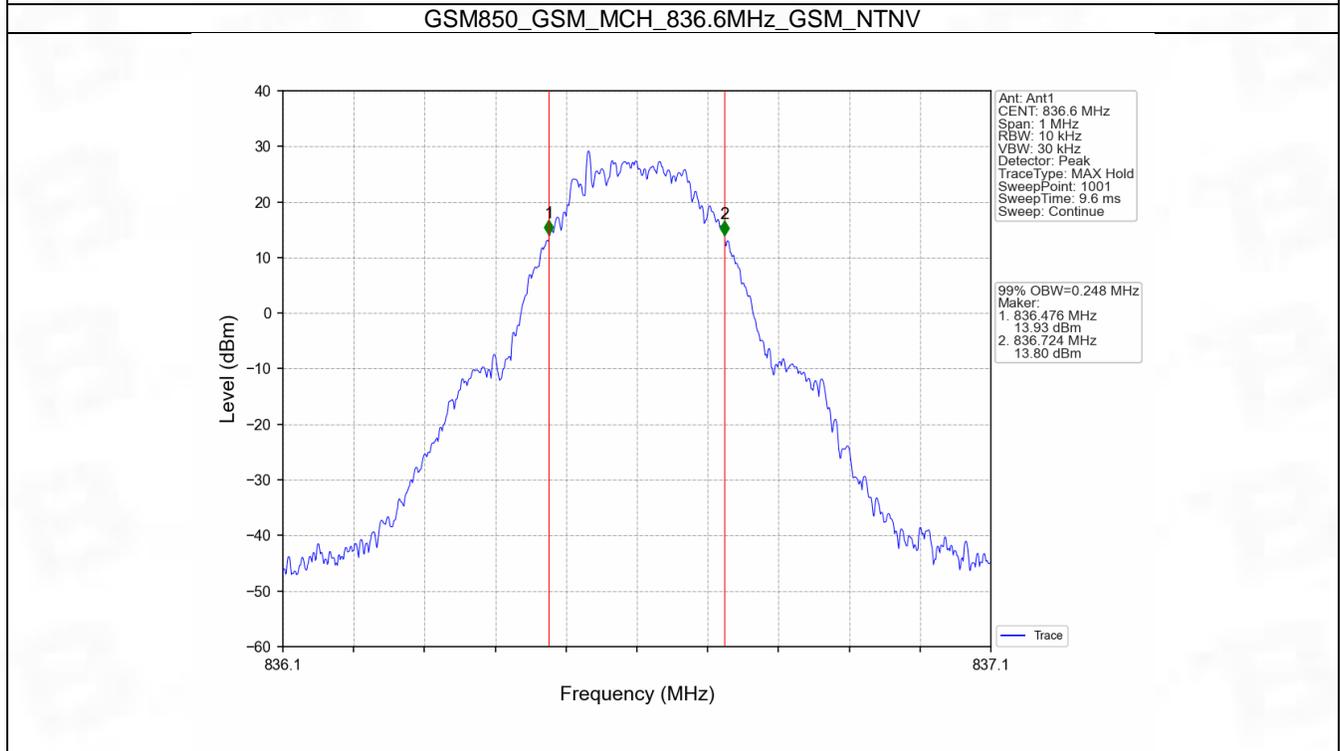
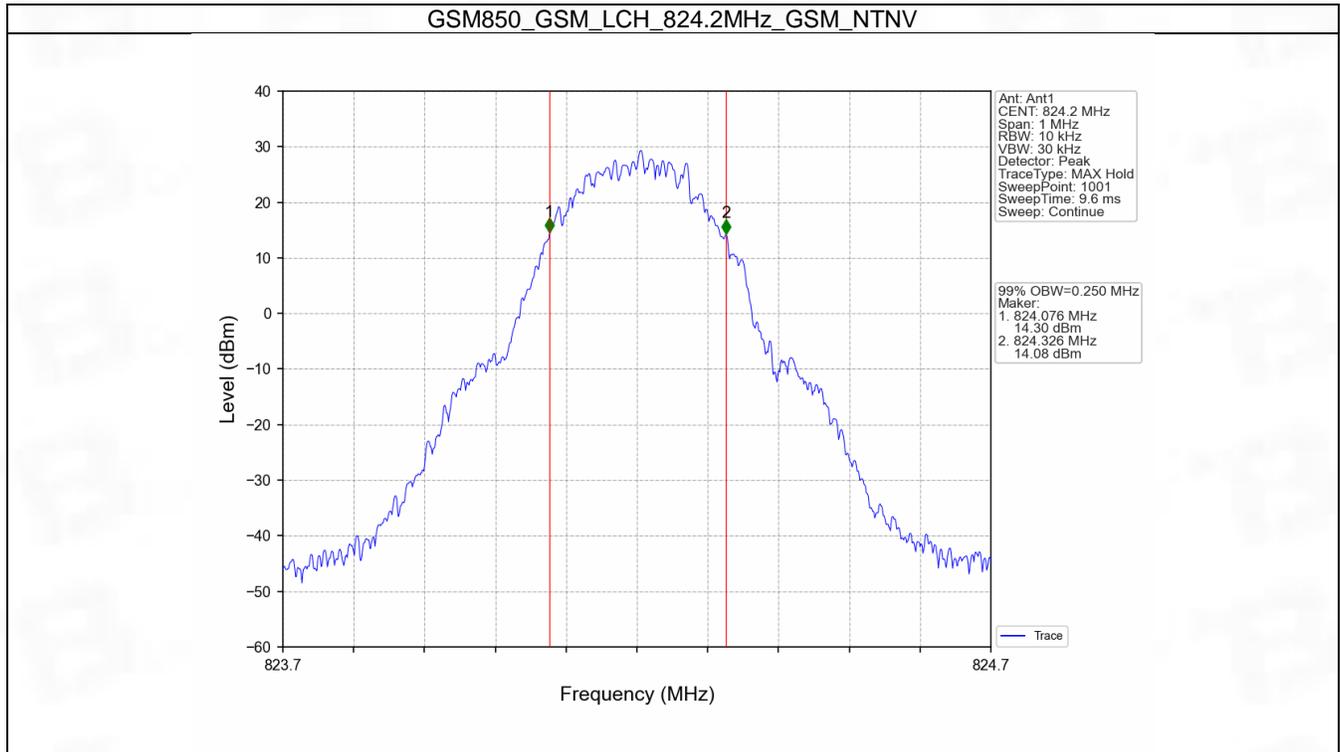
## 4. 99% & 26dB Bandwidth

### 4.1 GSM850\_OBW

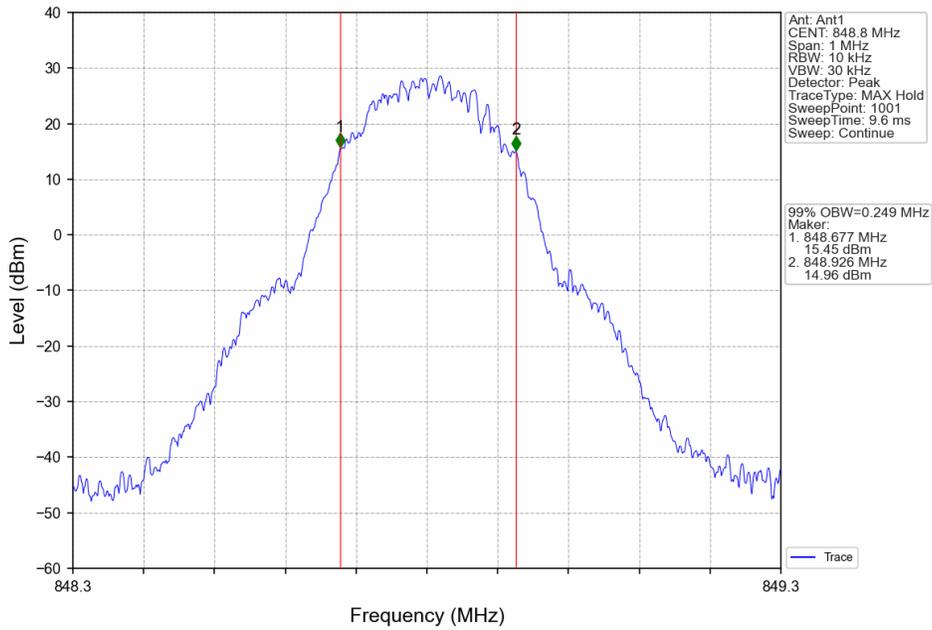
#### 4.1.1 Test Result

| Band: GSM850 |         |           |                 |                              |       |         |
|--------------|---------|-----------|-----------------|------------------------------|-------|---------|
| ENV          | Mode    |           | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |       | Verdict |
|              | Network | Subset    |                 | Result                       | Limit |         |
| NTNV         | GSM     | GSM       | 824.2           | 0.250                        | /     | Pass    |
|              |         |           | 836.6           | 0.248                        | /     | Pass    |
|              |         |           | 848.8           | 0.249                        | /     | Pass    |
|              | GPRS    | 1 TX Slot | 824.2           | 0.247                        | /     | Pass    |
|              |         |           | 836.6           | 0.243                        | /     | Pass    |
|              |         |           | 848.8           | 0.246                        | /     | Pass    |
|              | EGPRS   | 1 TX Slot | 824.2           | 0.248                        | /     | Pass    |
|              |         |           | 836.6           | 0.251                        | /     | Pass    |
|              |         |           | 848.8           | 0.256                        | /     | Pass    |

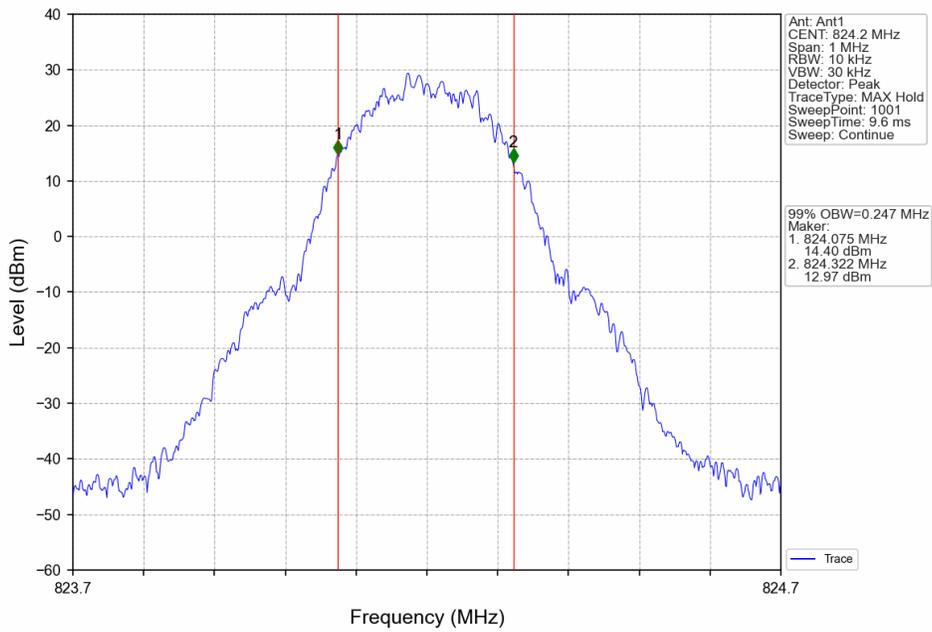
### 4.1.2 Test Graph



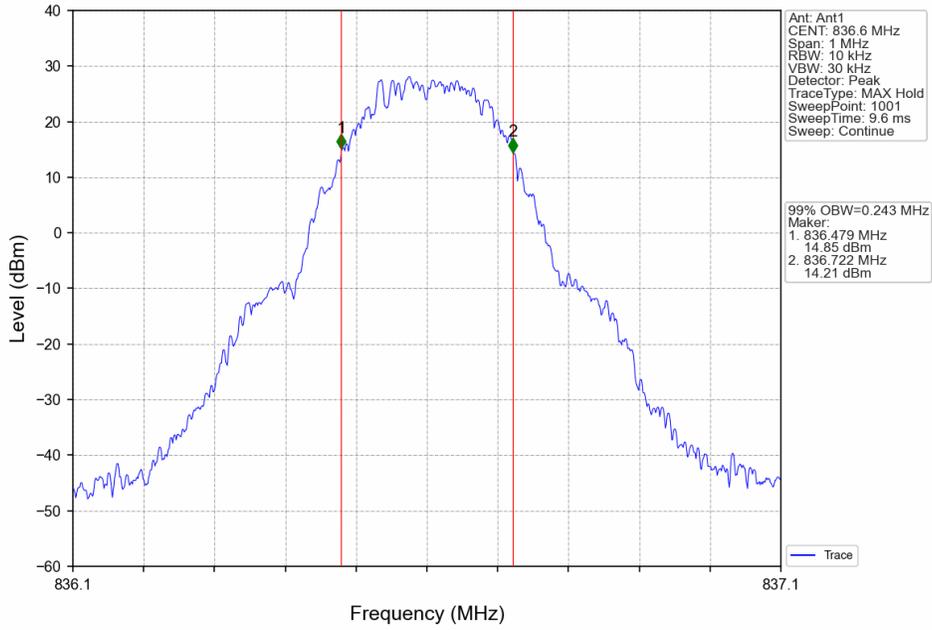
GSM850\_GSM\_HCH\_848.8MHz\_GSM\_NTNV



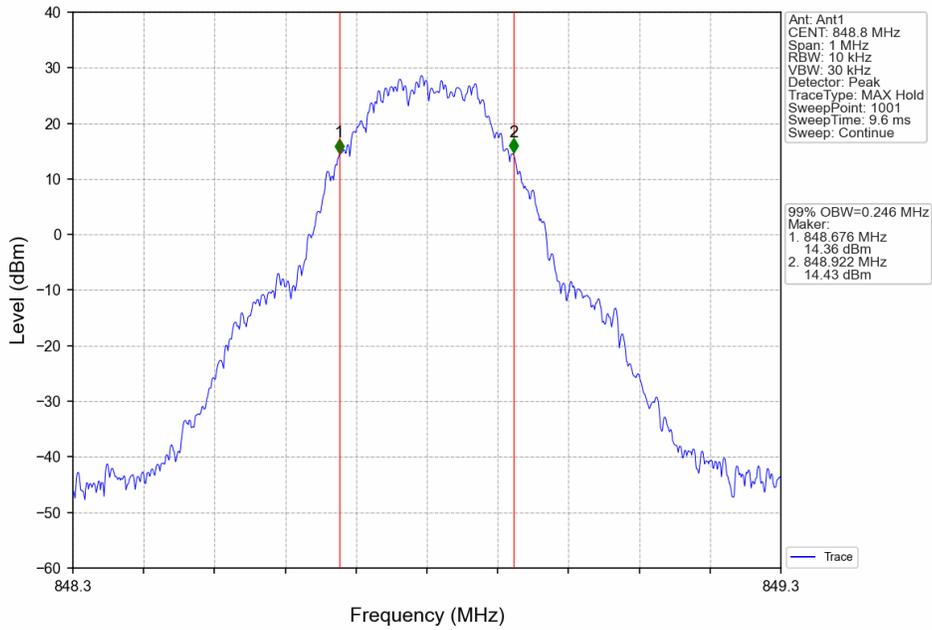
GSM850\_GPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



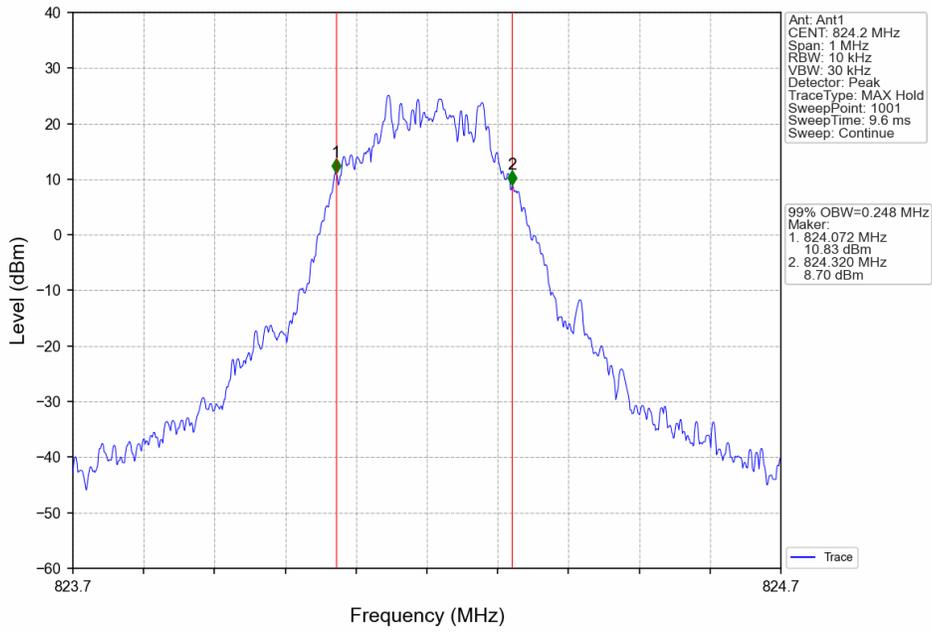
GSM850\_GPRS\_MCH\_836.6MHz\_1 TX Slot\_NTNV



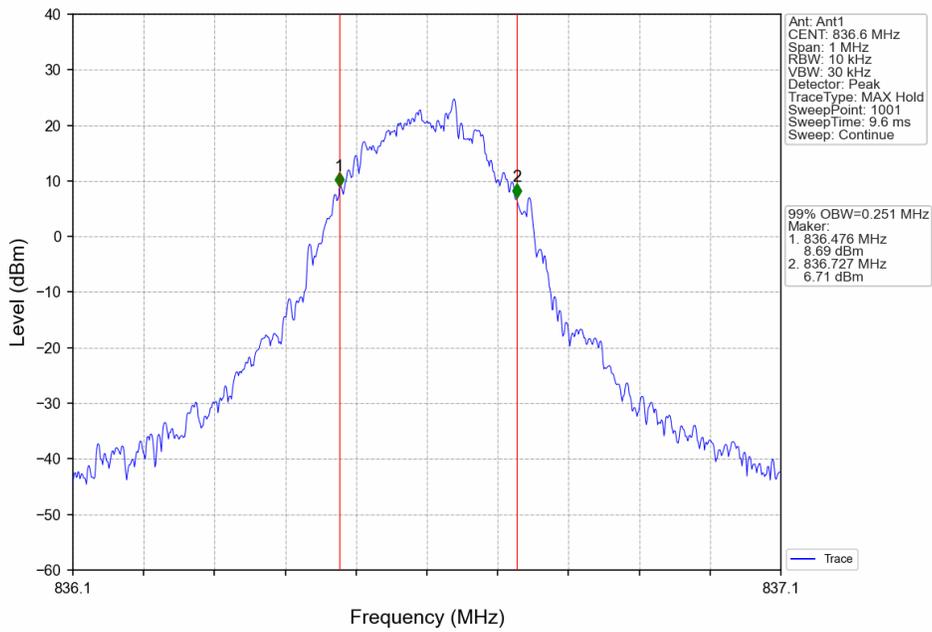
GSM850\_GPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV



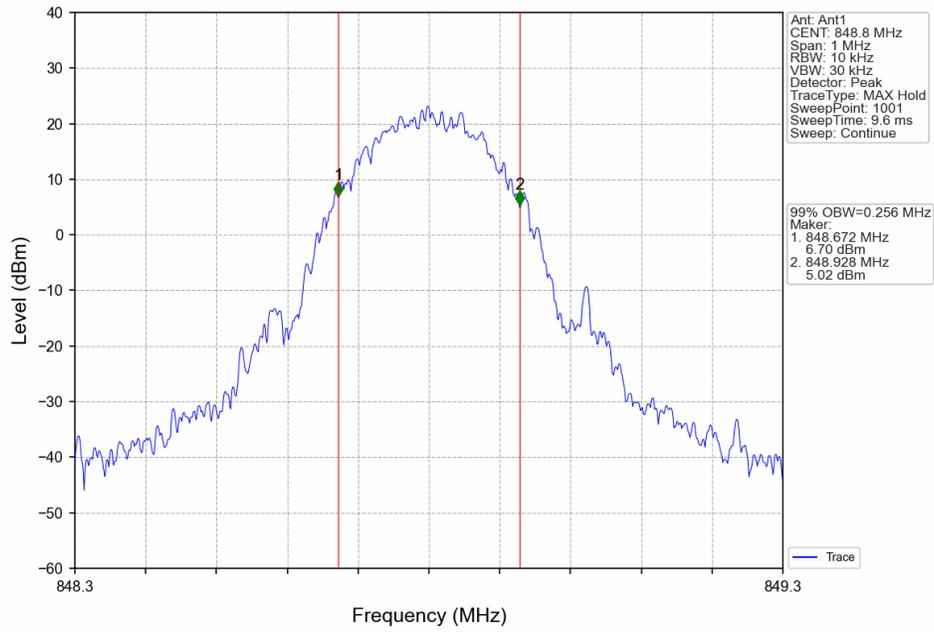
### GSM850\_EGPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



### GSM850\_EGPRS\_MCH\_836.6MHz\_1 TX Slot\_NTNV



GSM850\_EGPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV

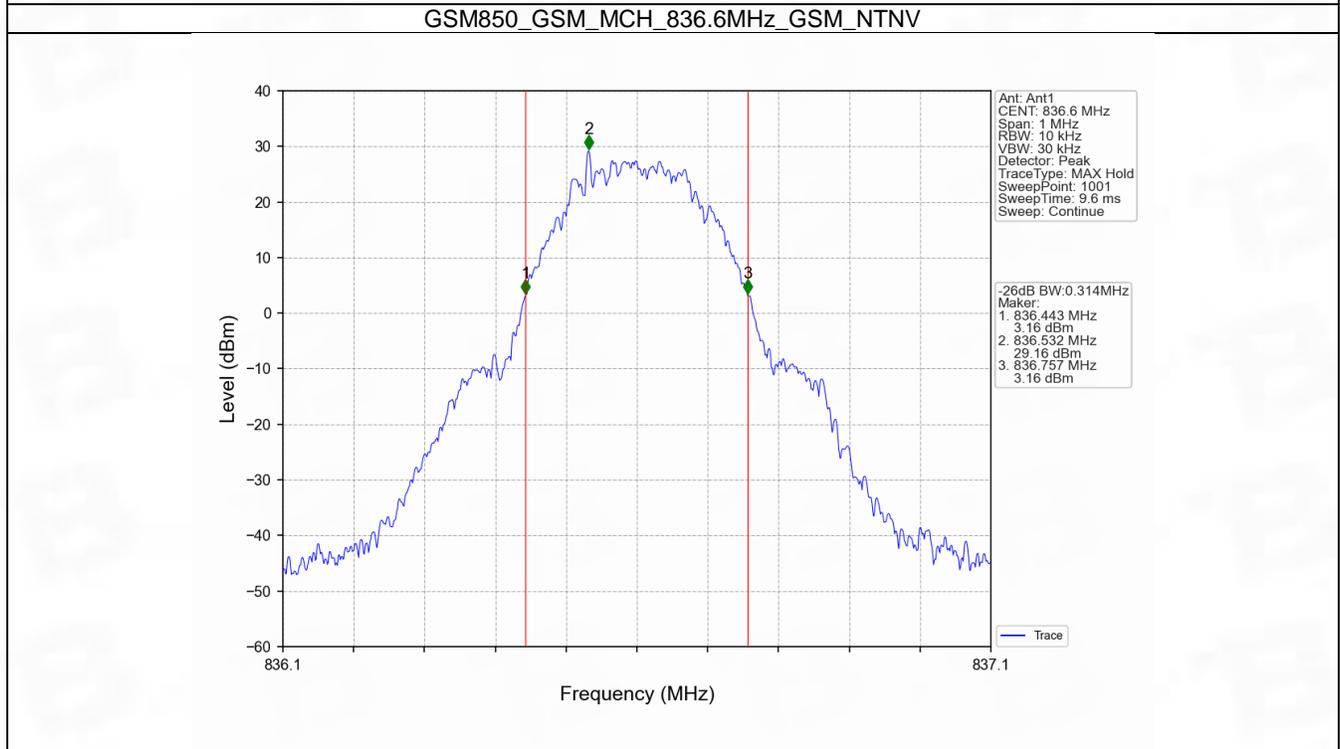
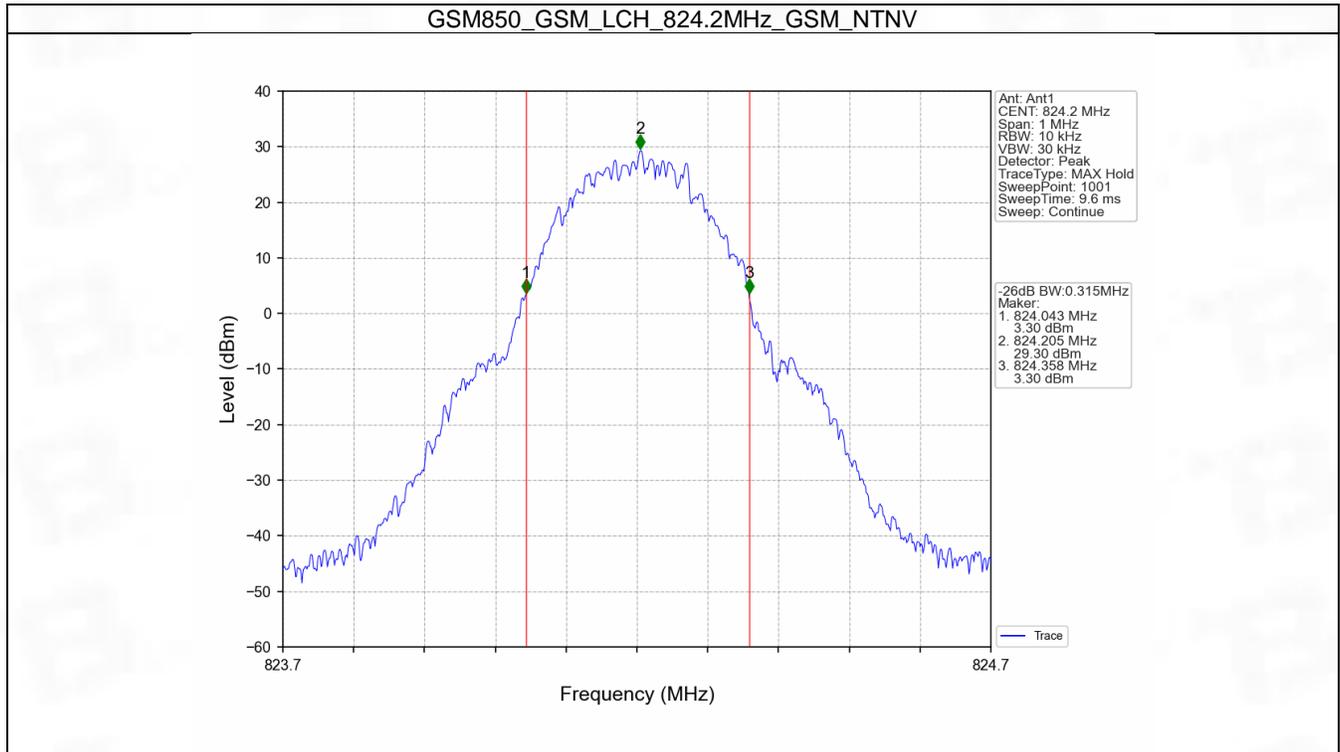


## 4.2 GSM850\_XDB

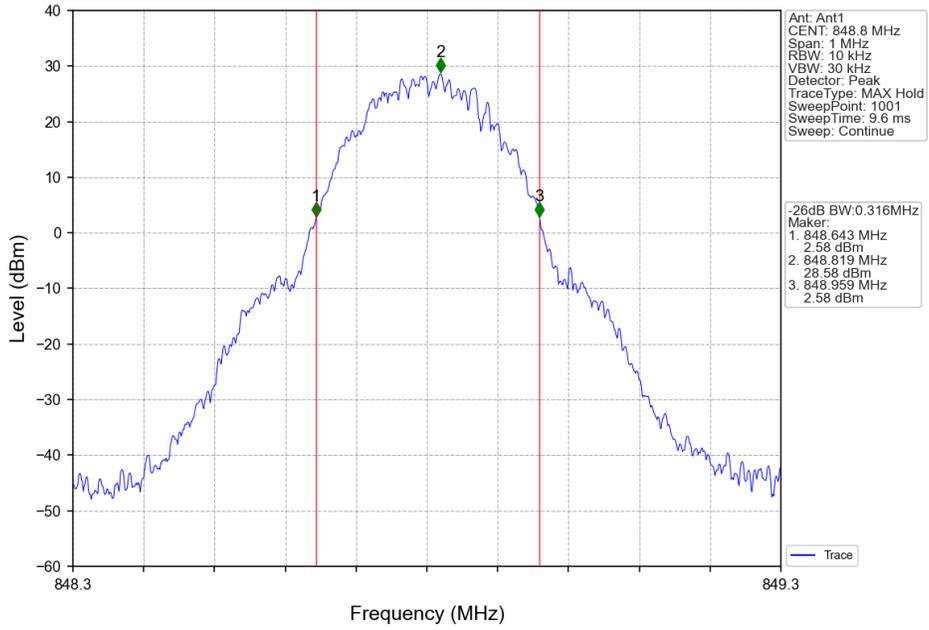
### 4.2.1 Test Result

| Band: GSM850 |         |           |                 |                      |       |         |
|--------------|---------|-----------|-----------------|----------------------|-------|---------|
| ENV          | Mode    |           | Frequency (MHz) | 26dB Bandwidth (MHz) |       | Verdict |
|              | Network | Subset    |                 | Result               | Limit |         |
| NTNV         | GSM     | GSM       | 824.2           | 0.315                | /     | Pass    |
|              |         |           | 836.6           | 0.314                | /     | Pass    |
|              |         |           | 848.8           | 0.316                | /     | Pass    |
|              | GPRS    | 1 TX Slot | 824.2           | 0.314                | /     | Pass    |
|              |         |           | 836.6           | 0.324                | /     | Pass    |
|              |         |           | 848.8           | 0.318                | /     | Pass    |
|              | EGPRS   | 1 TX Slot | 824.2           | 0.310                | /     | Pass    |
|              |         |           | 836.6           | 0.305                | /     | Pass    |
|              |         |           | 848.8           | 0.321                | /     | Pass    |

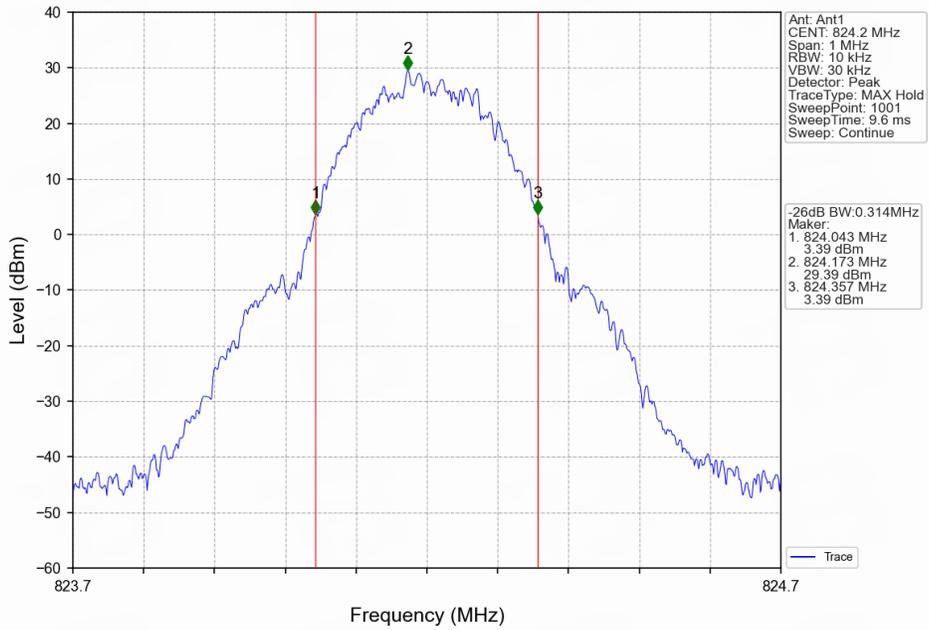
## 4.2.2 Test Graph



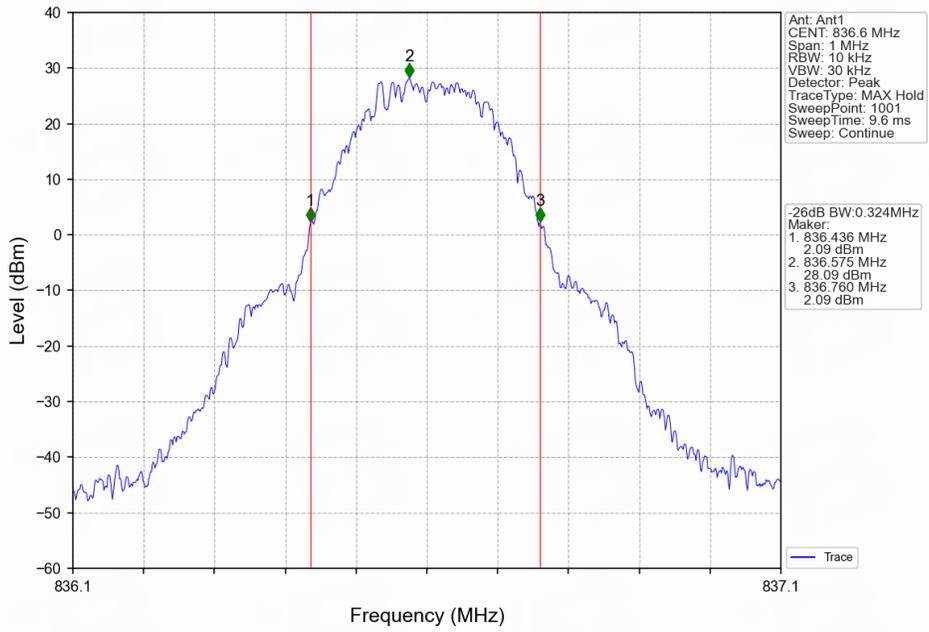
GSM850\_GSM\_HCH\_848.8MHz\_GSM\_NTNV



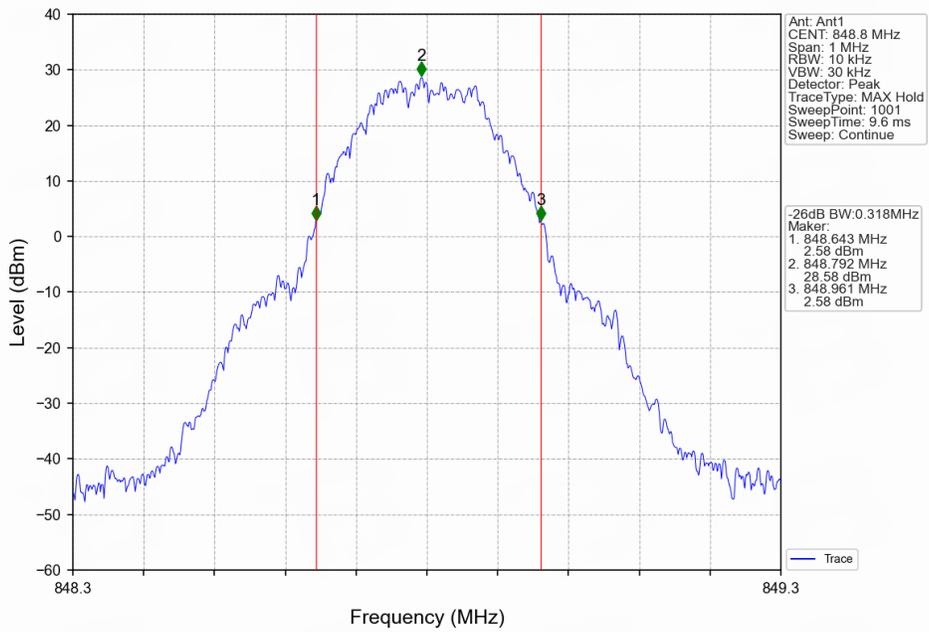
GSM850\_GPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



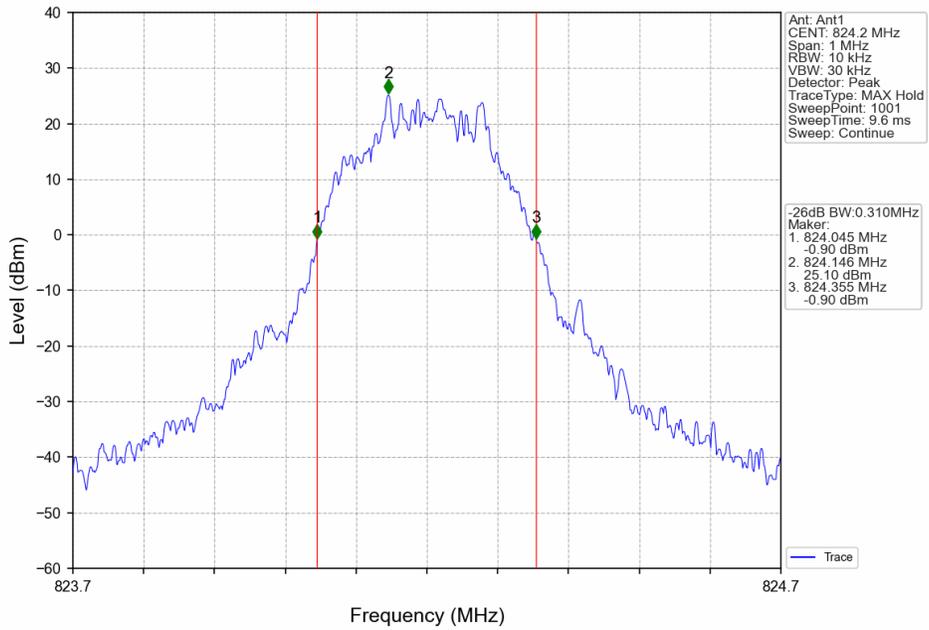
GSM850\_GPRS\_MCH\_836.6MHz\_1 TX Slot\_NTNV



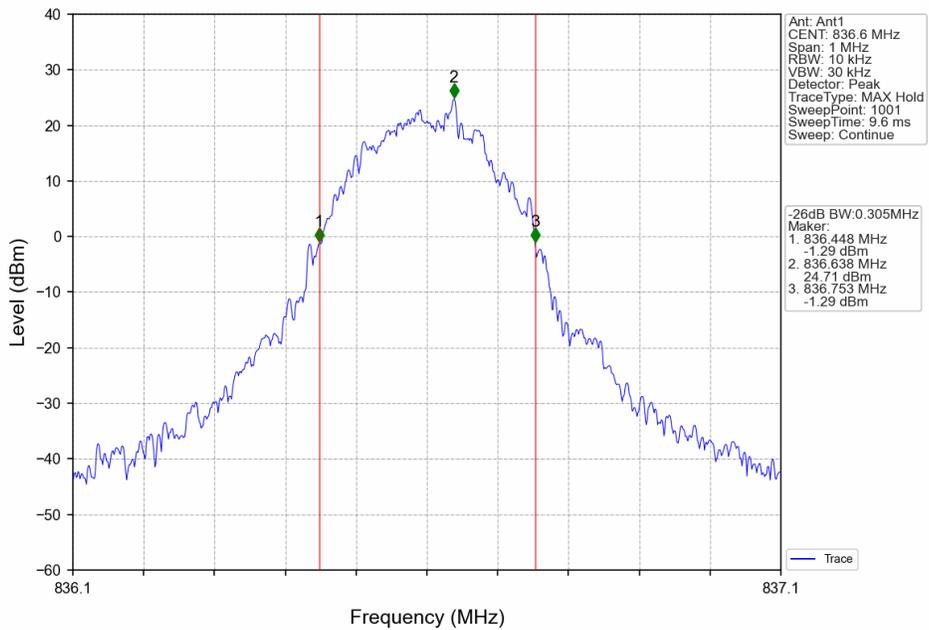
GSM850\_GPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV



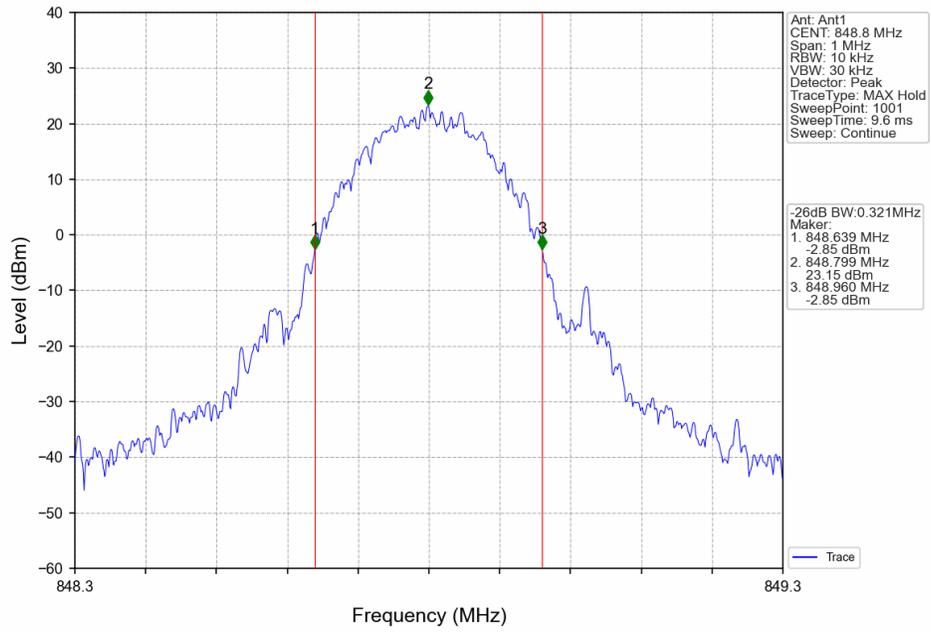
### GSM850\_EGPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



### GSM850\_EGPRS\_MCH\_836.6MHz\_1 TX Slot\_NTNV



GSM850\_EGPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV



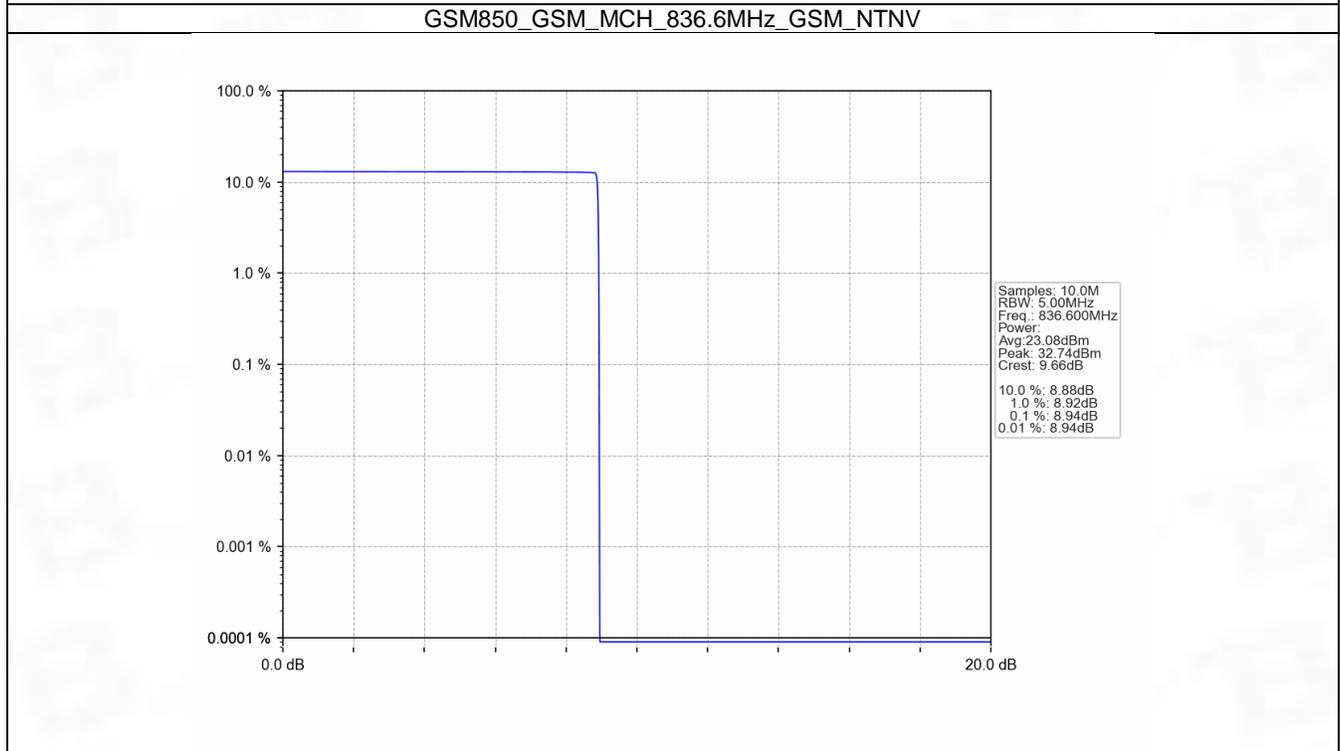
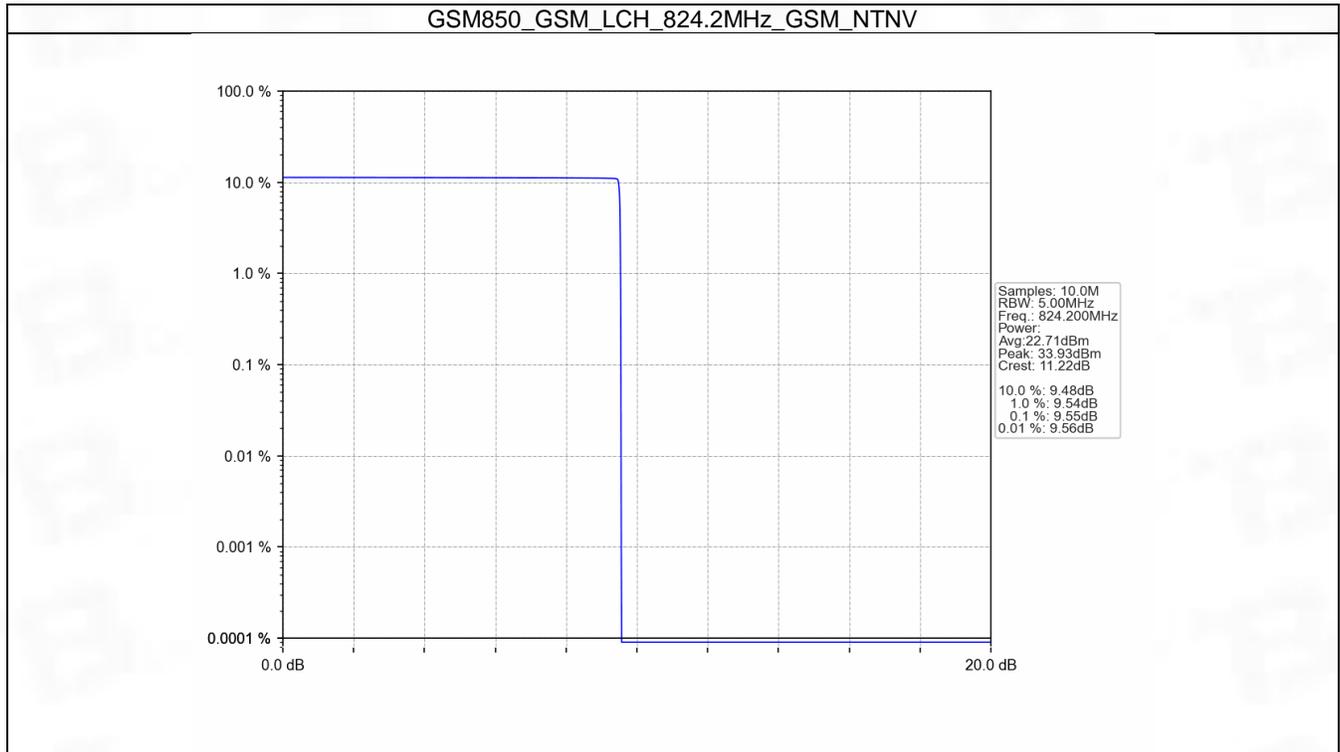
## 5. Peak-Average Ratio

### 5.1 GSM850

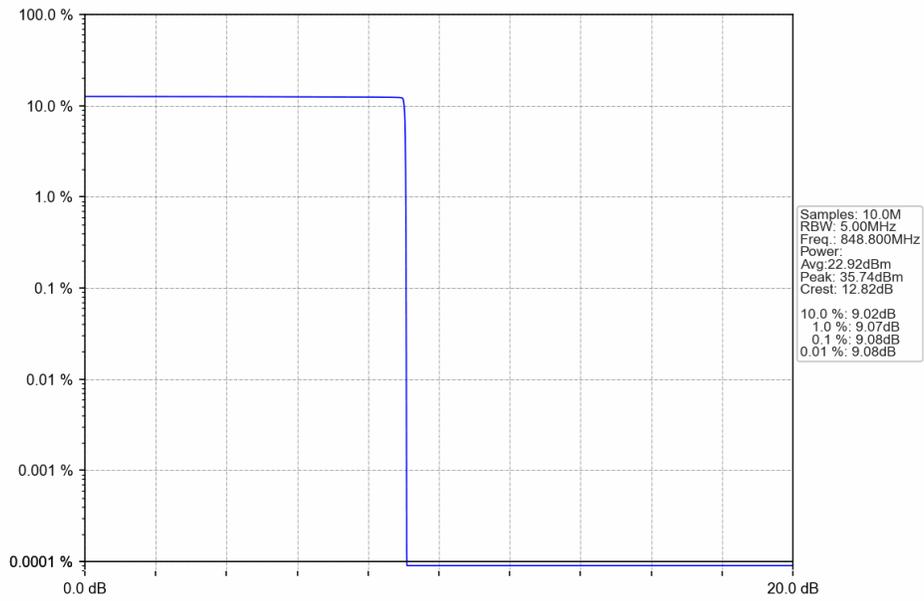
#### 5.1.1 Test Result

| Band: GSM850 |         |            |                 |                         |       |         |
|--------------|---------|------------|-----------------|-------------------------|-------|---------|
| ENV          | Mode    |            | Frequency (MHz) | Peak-Average Ratio (dB) |       | Verdict |
|              | Network | Subset     |                 | Result                  | Limit |         |
| NTNV         | GSM     | GSM        | 824.2           | 9.55                    | <=13  | Pass    |
|              |         |            | 836.6           | 8.94                    | <=13  | Pass    |
|              |         |            | 848.8           | 9.08                    | <=13  | Pass    |
|              | GPRS    | 4 TX Slots | 824.2           | 3.67                    | <=13  | Pass    |
|              |         |            | 836.6           | 3.66                    | <=13  | Pass    |
|              |         |            | 848.8           | 3.62                    | <=13  | Pass    |
|              | EGPRS   | 4 TX Slots | 824.2           | 10.56                   | <=13  | Pass    |
|              |         |            | 836.6           | 10.54                   | <=13  | Pass    |
|              |         |            | 848.8           | 10.48                   | <=13  | Pass    |

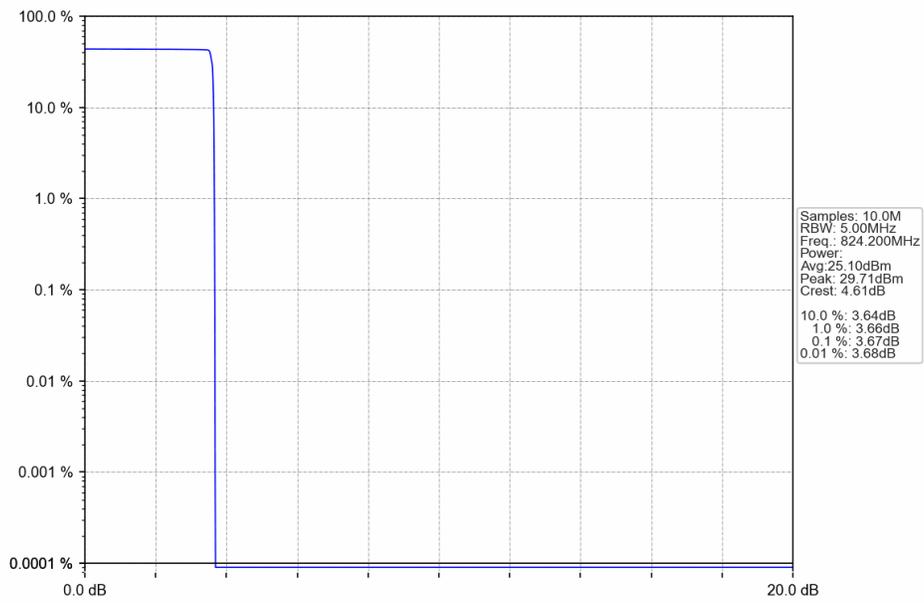
## 5.1.2 Test Graph



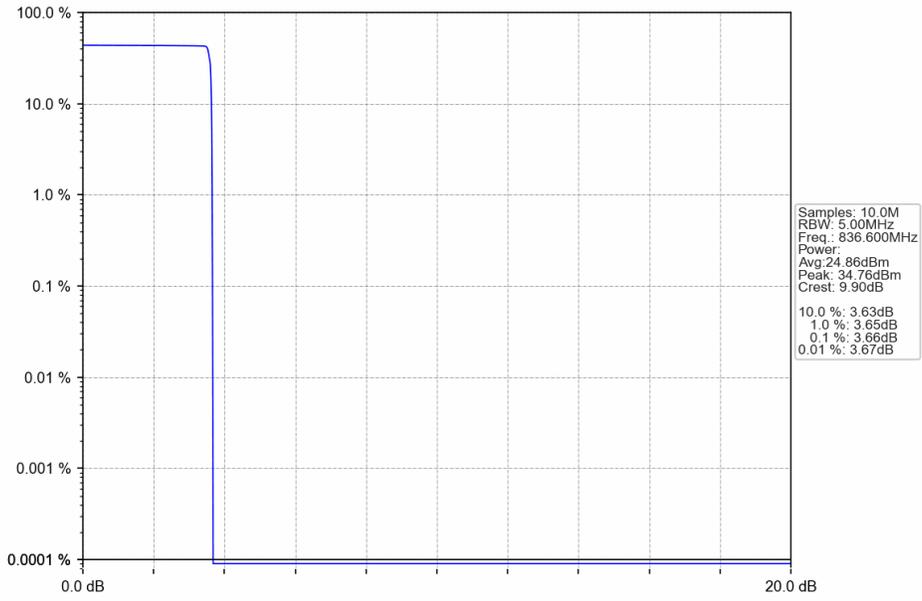
GSM850\_GSM\_HCH\_848.8MHz\_GSM\_NTNV



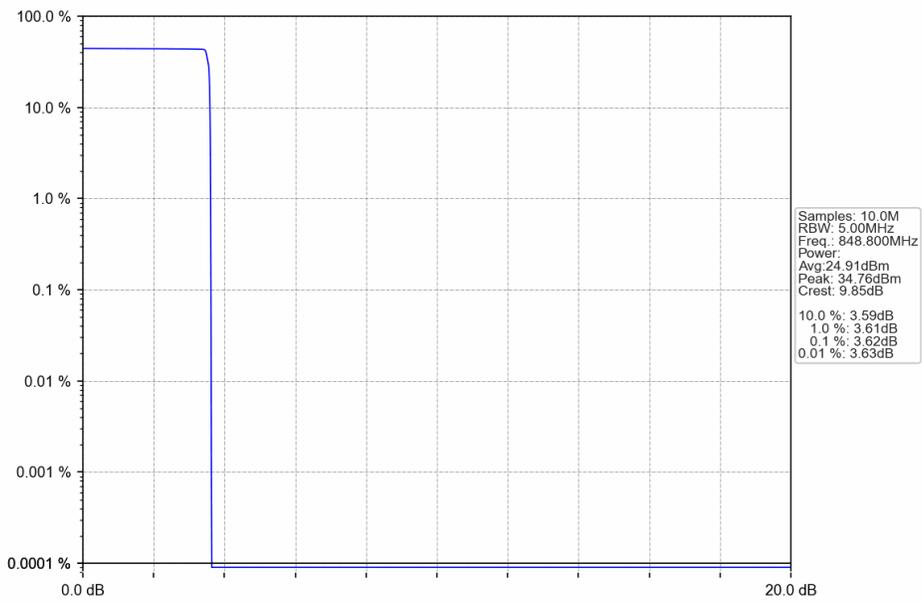
GSM850\_GPRS\_LCH\_824.2MHz\_4 TX Slots\_NTNV



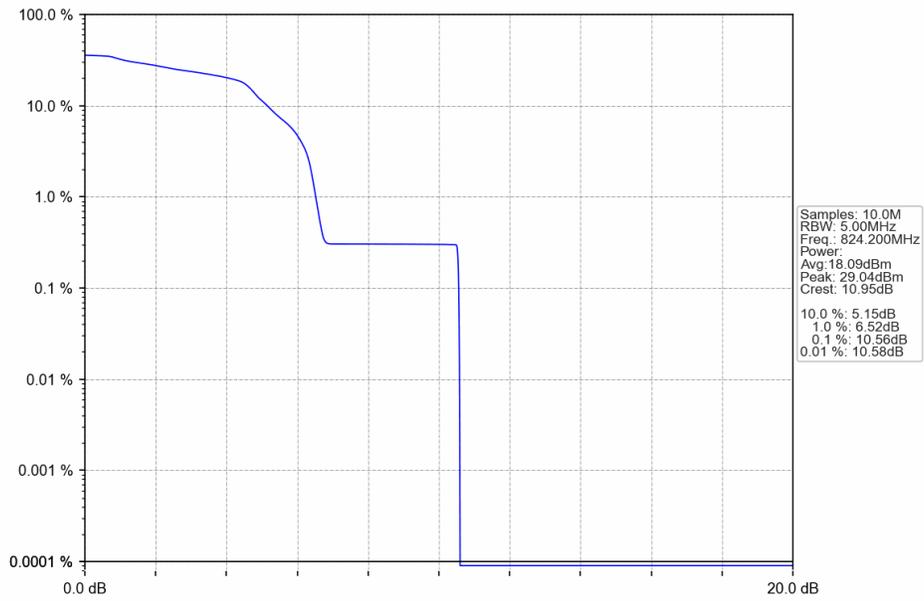
GSM850\_GPRS\_MCH\_836.6MHz\_4 TX Slots\_NTNV



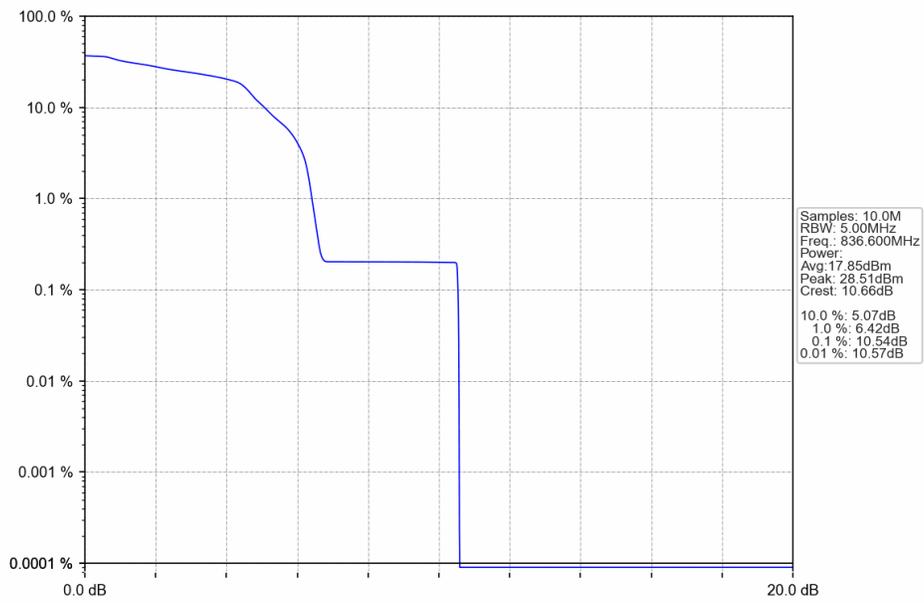
GSM850\_GPRS\_HCH\_848.8MHz\_4 TX Slots\_NTNV



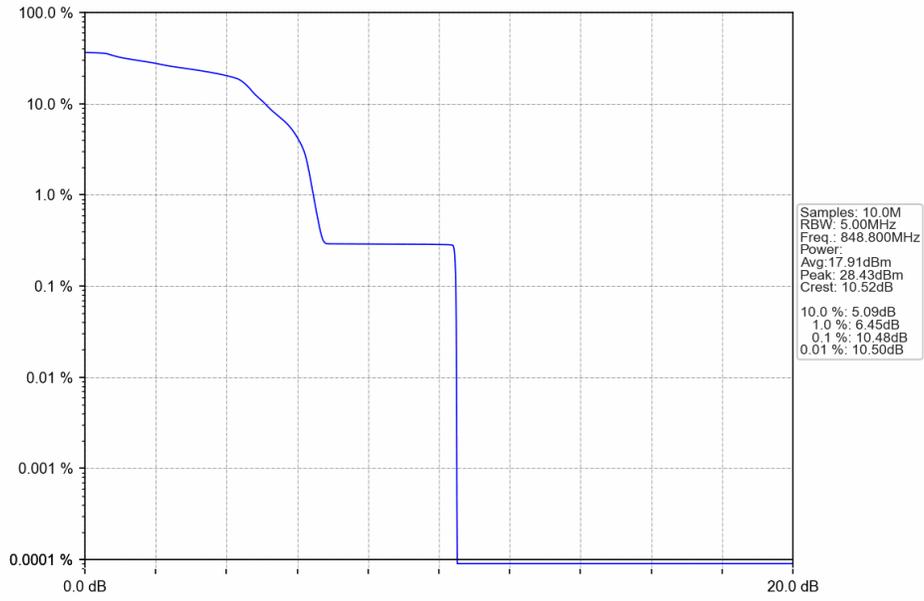
GSM850\_EGPRS\_LCH\_824.2MHz\_4 TX Slots\_NTNV



GSM850\_EGPRS\_MCH\_836.6MHz\_4 TX Slots\_NTNV



GSM850\_EGPRS\_HCH\_848.8MHz\_4 TX Slots\_NTNV



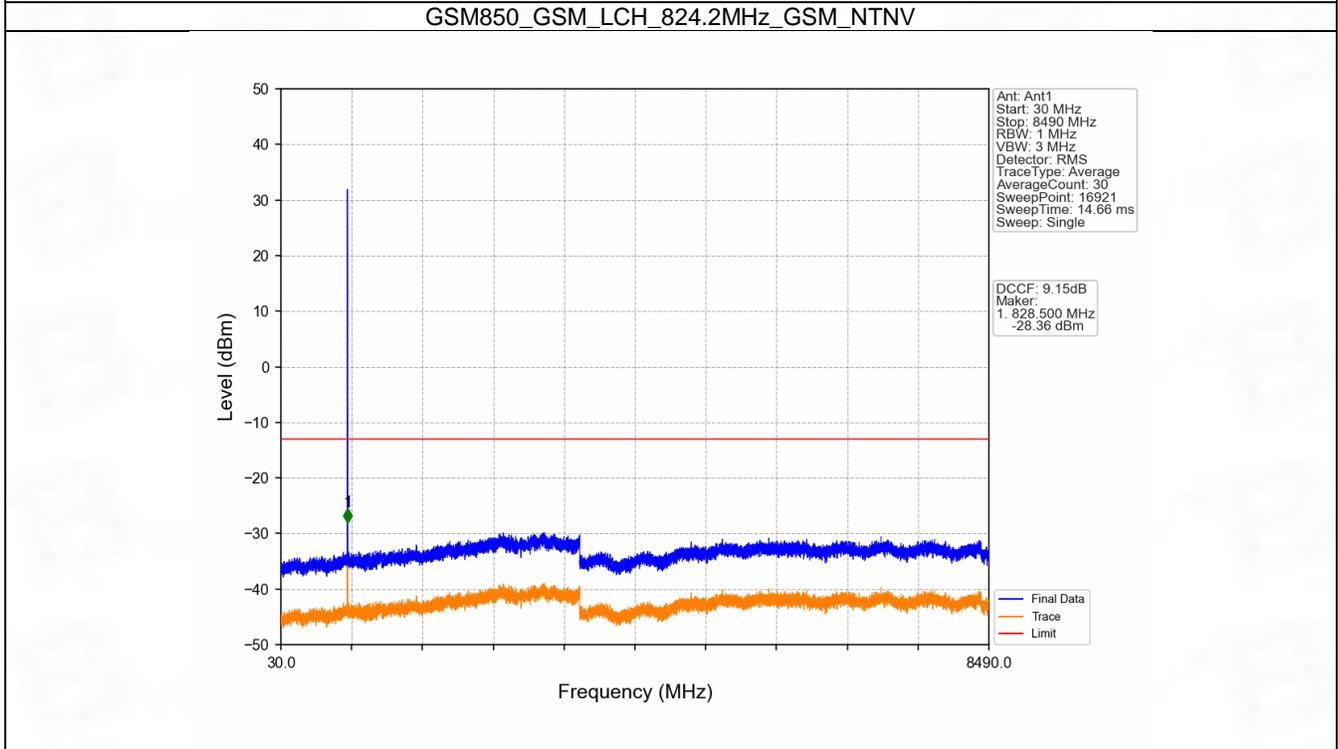
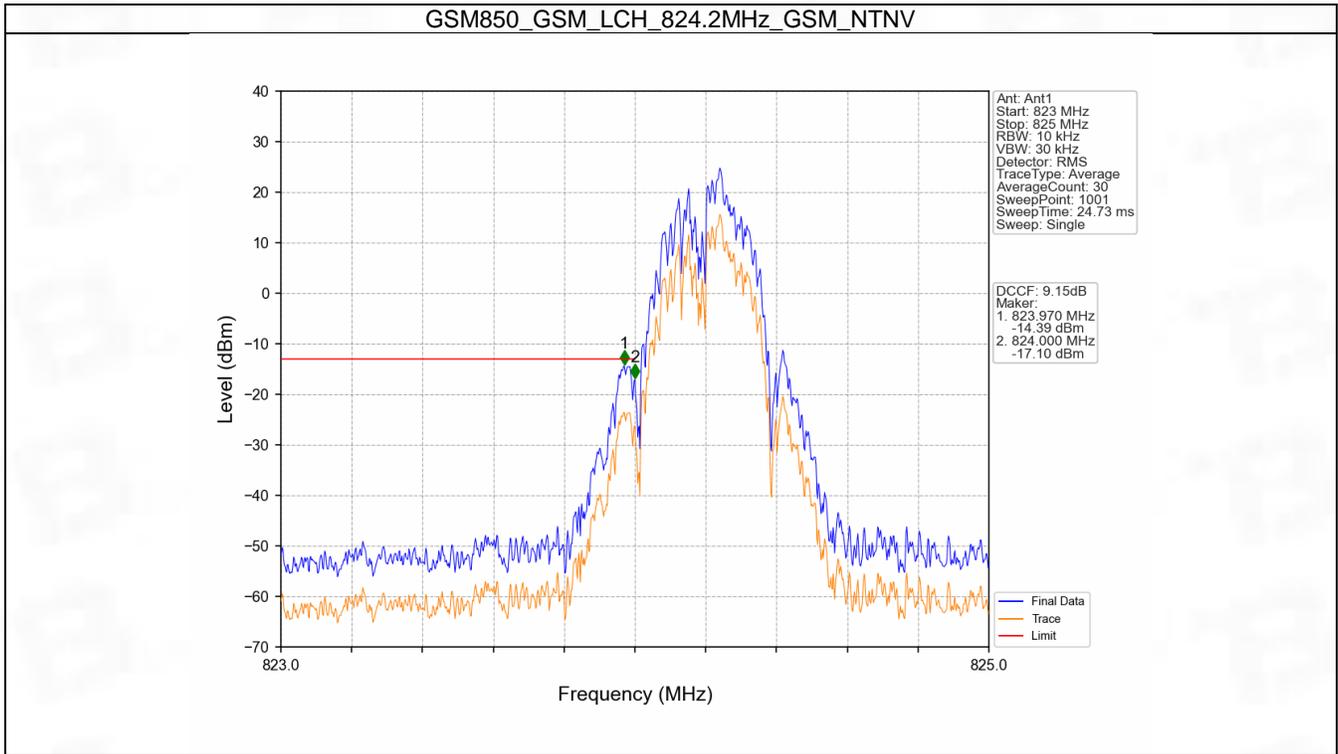
## 6. Spurious Emission

### 6.1 GSM850

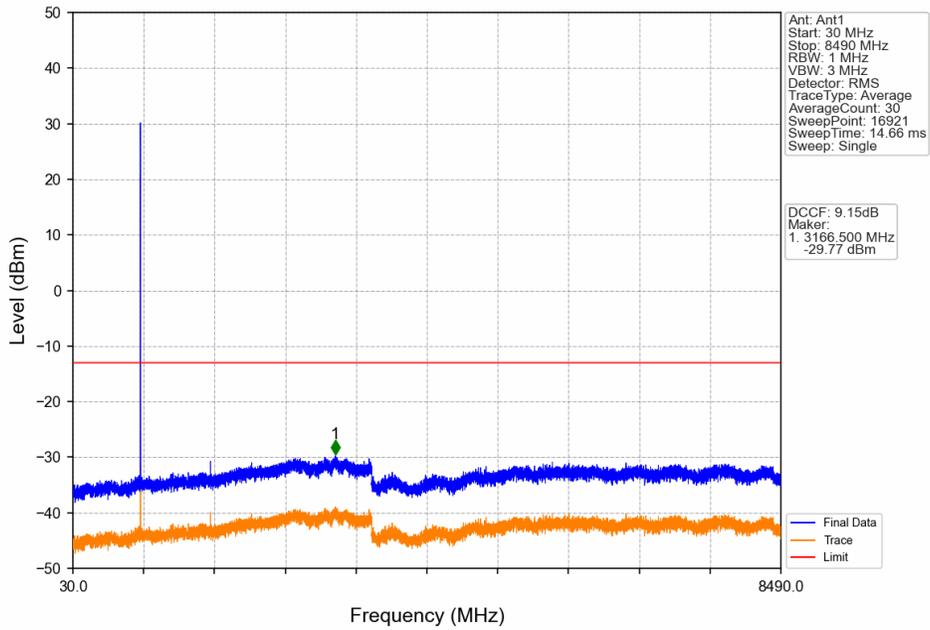
#### 6.1.1 Test Result

| Band: GSM850 |         |           |                 |                     |       |         |
|--------------|---------|-----------|-----------------|---------------------|-------|---------|
| ENV          | Mode    |           | Frequency (MHz) | Spurious Emission   |       | Verdict |
|              | Network | Subset    |                 | Result              | Limit |         |
| NTNV         | GSM     | GSM       | 824.2           | Refer To Test Graph | Pass  |         |
|              |         |           | 836.6           | Refer To Test Graph | Pass  |         |
|              |         |           | 848.8           | Refer To Test Graph | Pass  |         |
|              | GPRS    | 1 TX Slot | 824.2           | Refer To Test Graph | Pass  |         |
|              |         |           | 836.6           | Refer To Test Graph | Pass  |         |
|              |         |           | 848.8           | Refer To Test Graph | Pass  |         |
|              | EGPRS   | 1 TX Slot | 824.2           | Refer To Test Graph | Pass  |         |
|              |         |           | 836.6           | Refer To Test Graph | Pass  |         |
|              |         |           | 848.8           | Refer To Test Graph | Pass  |         |

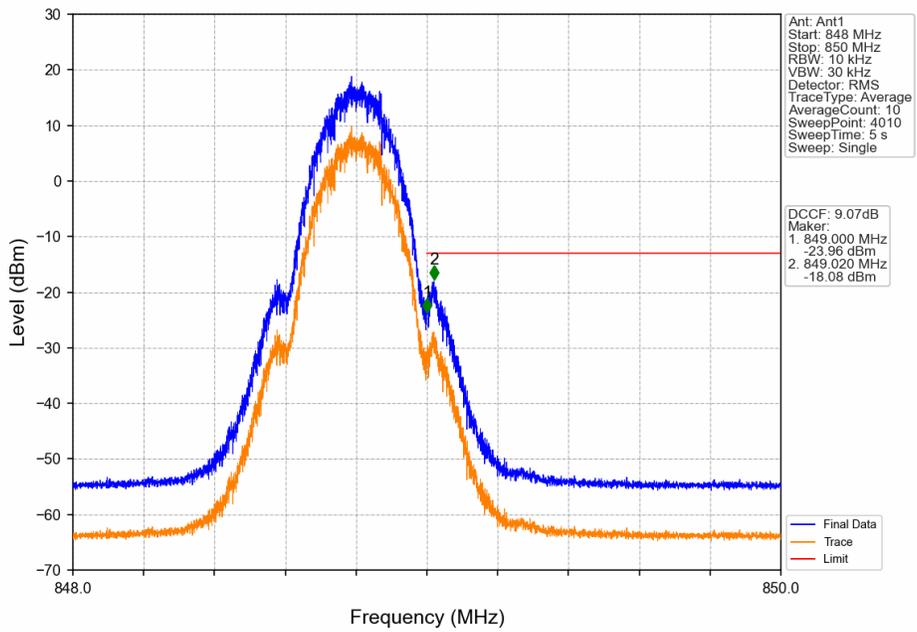
### 6.1.2 Test Graph



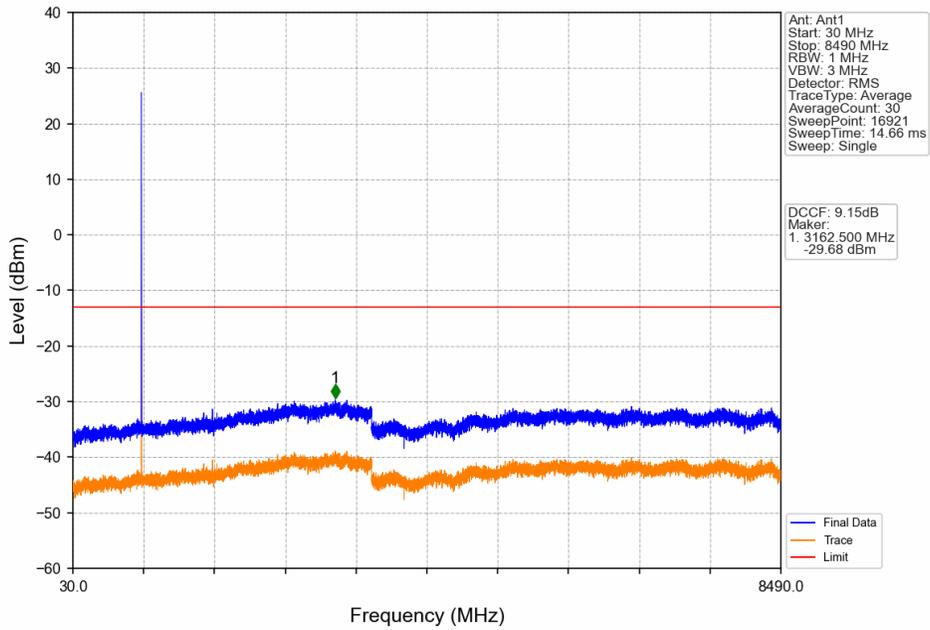
GSM850\_GSM\_MCH\_836.6MHz\_GSM\_NTNV



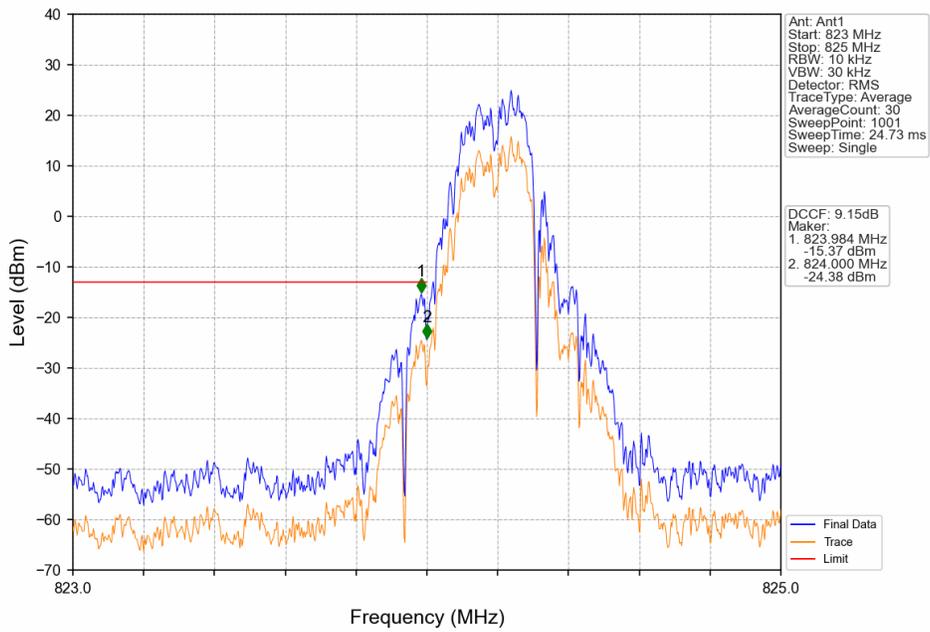
GSM850\_GSM\_HCH\_848.8MHz\_GSM\_NTNV



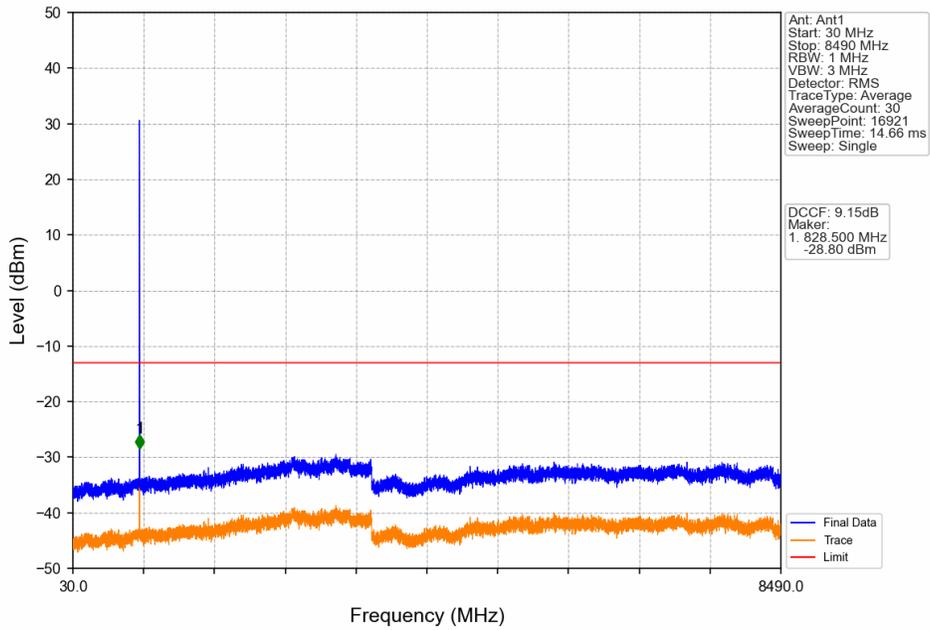
### GSM850\_GSM\_HCH\_848.8MHz\_GSM\_NTNV



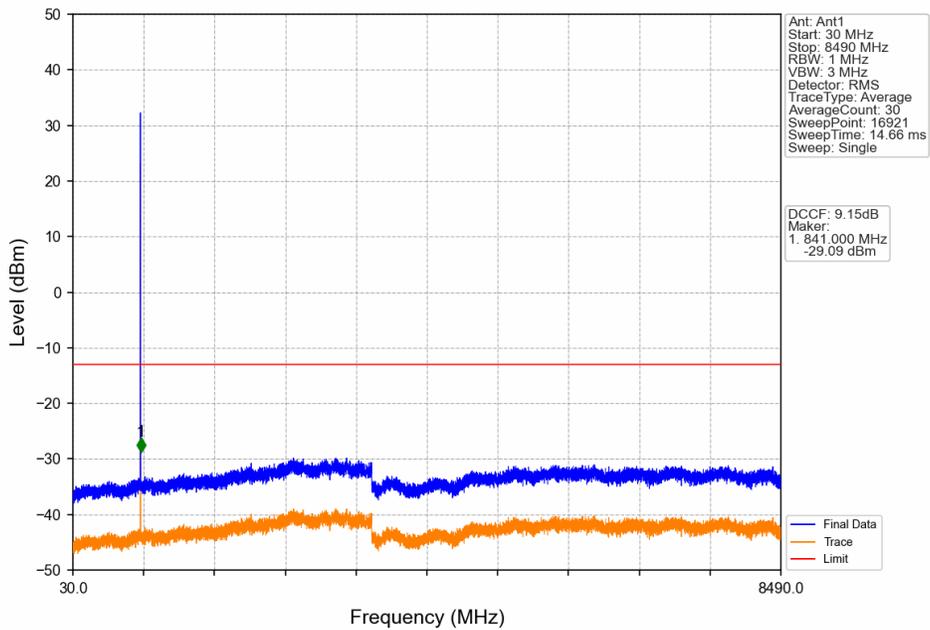
### GSM850\_GPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



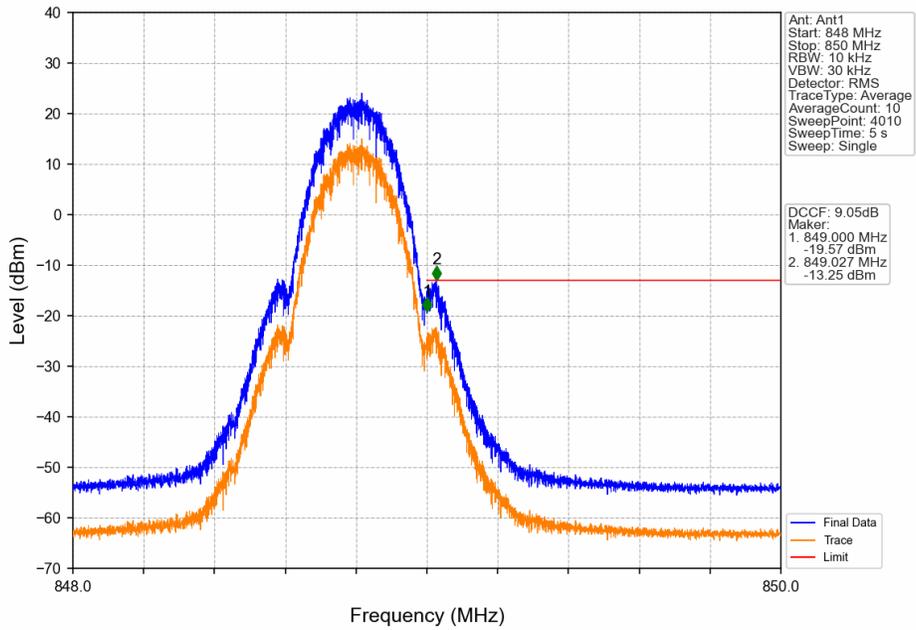
GSM850\_GPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



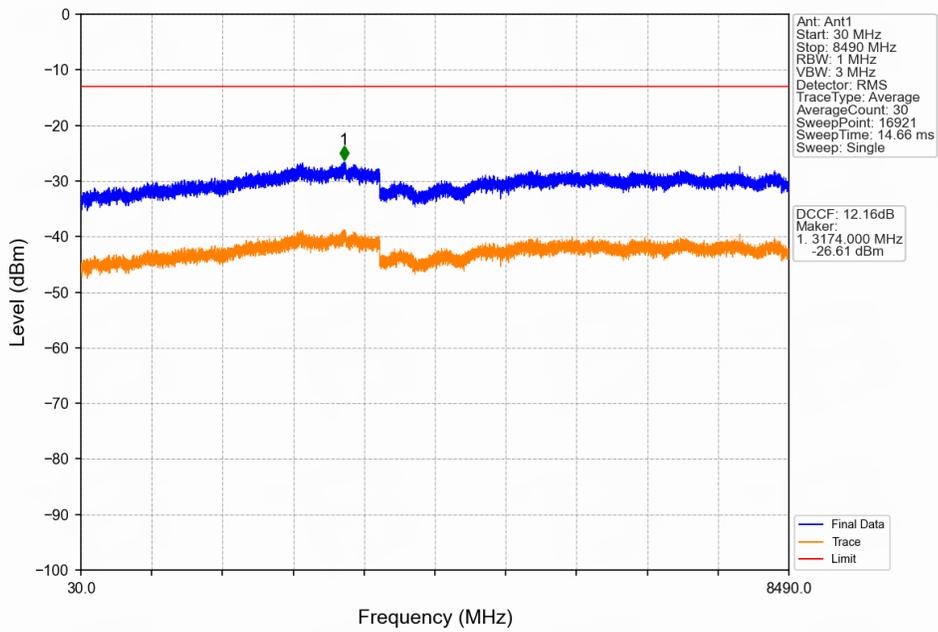
GSM850\_GPRS\_MCH\_836.6MHz\_1 TX Slot\_NTNV



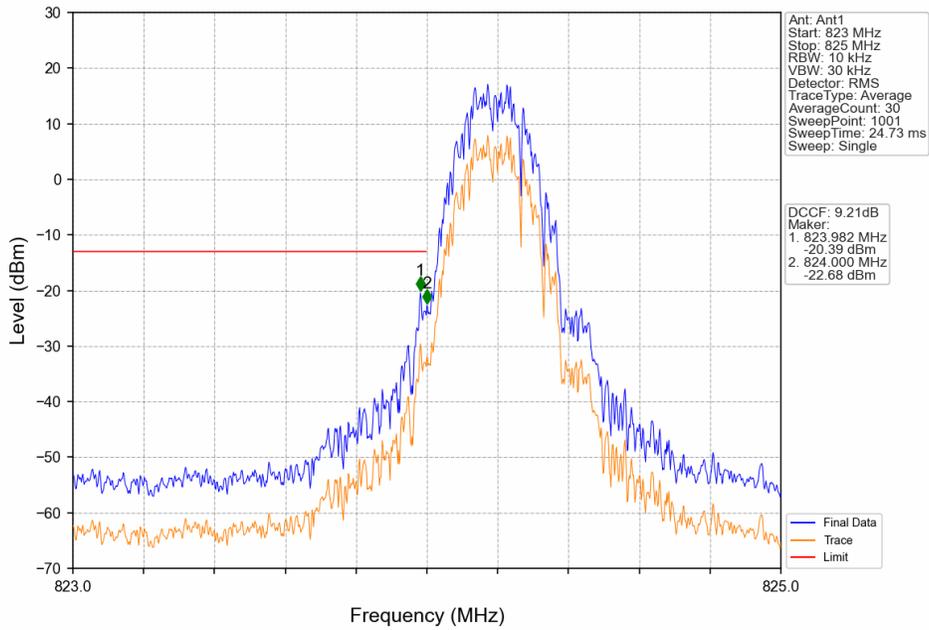
GSM850\_GPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV



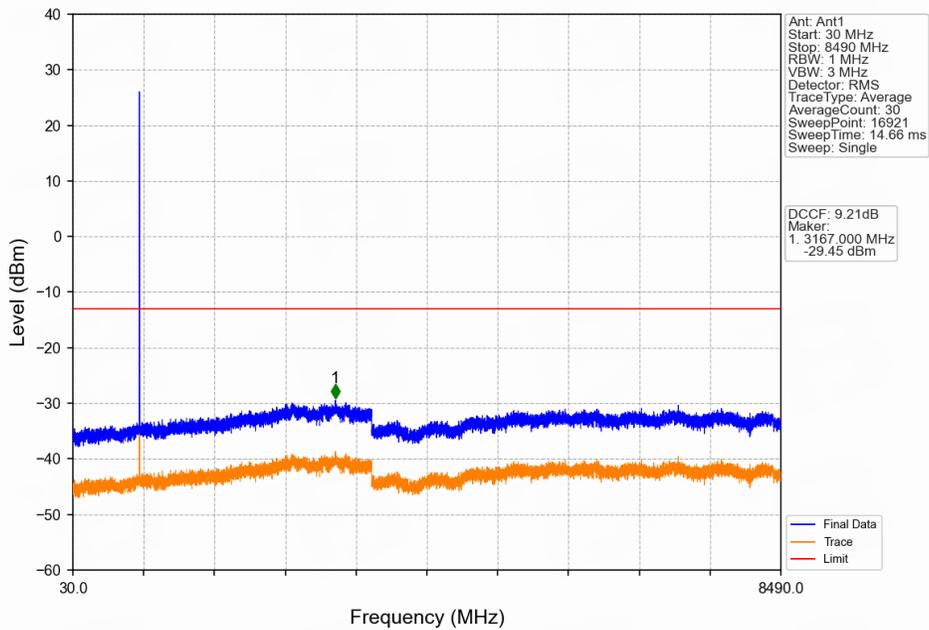
GSM850\_GPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV



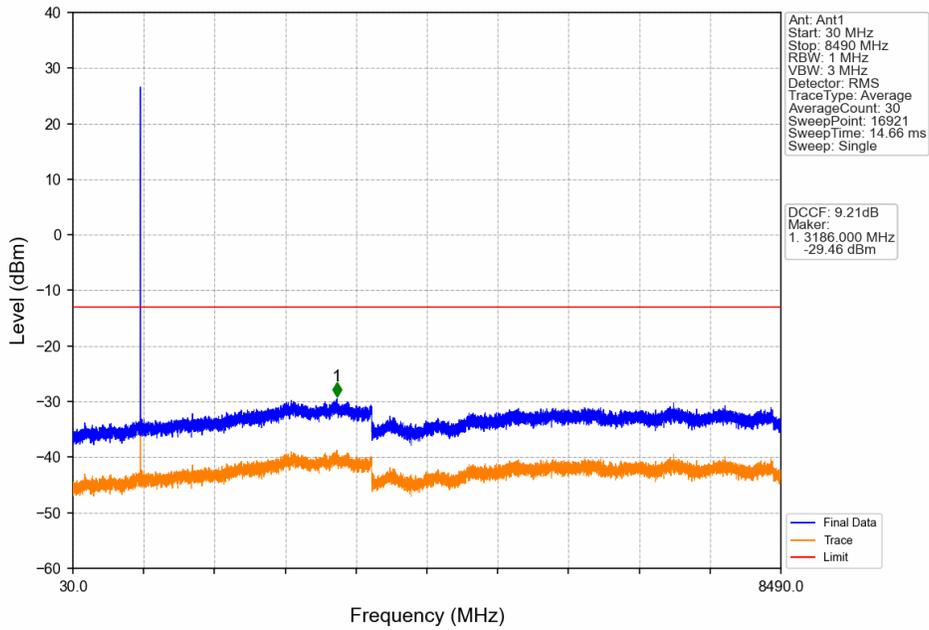
GSM850\_EGPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



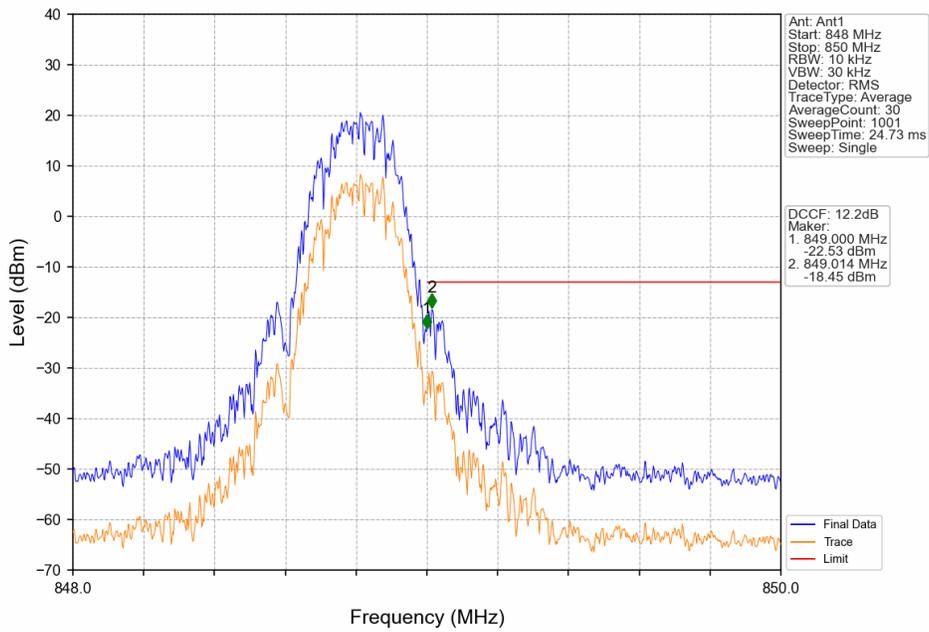
GSM850\_EGPRS\_LCH\_824.2MHz\_1 TX Slot\_NTNV



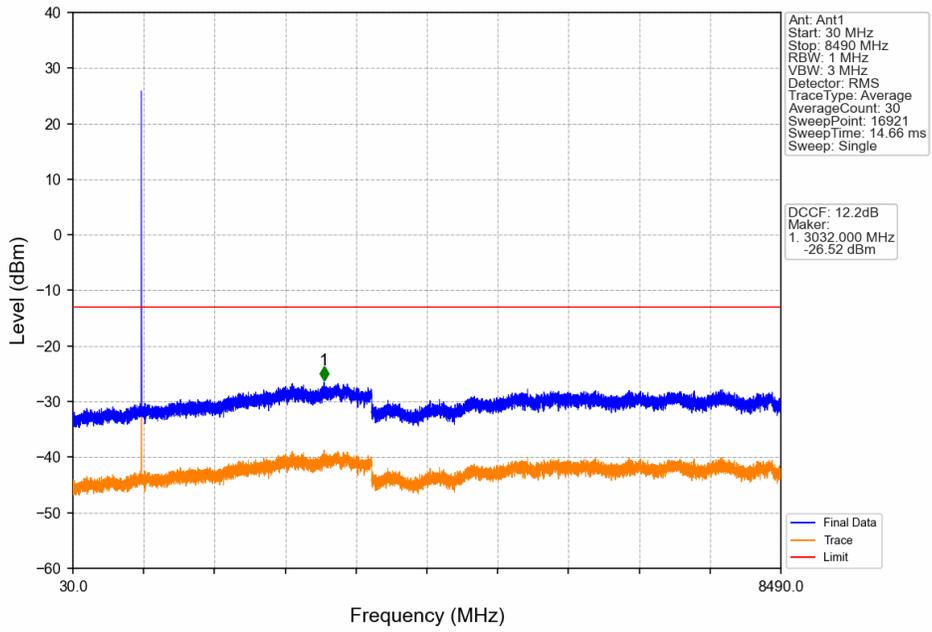
GSM850\_EGPRS\_MCH\_836.6MHz\_1 TX Slot\_NTNV



GSM850\_EGPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV



GSM850\_EGPRS\_HCH\_848.8MHz\_1 TX Slot\_NTNV



## 7. Form731

### 7.1 Form731\_Power

#### 7.1.1 Test Result

| Band   | BW  | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|--------|-----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| GSM850 | 0.2 | 824.2      | 848.8     | 1.3836        | 0.0068 | ppm    | 250KGXW             | 22H        | 31.41           |
| GSM850 | 0.2 | 824.2      | 848.8     | 0.3508        | 0.0061 | ppm    | 256KG7W             | 22H        | 25.45           |

### 7.2 Form731\_ERP

#### 7.2.1 Test Result

| Band   | BW  | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|--------|-----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| GSM850 | 0.2 | 824.2      | 848.8     | 0.4656        | 0.0068 | ppm    | 250KGXW             | 22H        | 26.68           |
| GSM850 | 0.2 | 824.2      | 848.8     | 0.1180        | 0.0061 | ppm    | 256KG7W             | 22H        | 20.72           |