

## **Appendix Test Data for GSM\_band\_PCS1900**

## 1. Effective (Isotropic) Radiated Power Output Data

### 1.1 Test Result

#### 1.1.1 PCS1900\_EIRP

| Band: PCS1900 |         |            |                 |                       |            |            |         |         |
|---------------|---------|------------|-----------------|-----------------------|------------|------------|---------|---------|
| ENV           | Mode    |            | Frequency (MHz) | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|               | Network | Subset     |                 |                       |            | Result     | Limit   |         |
| NTNV          | GSM     | GSM        | 1850.2          | 31.15                 | -1.00      | 30.15      | <=33.01 | Pass    |
|               |         |            | 1880            | 30.77                 | -1.00      | 29.77      | <=33.01 | Pass    |
|               |         |            | 1909.8          | 30.26                 | -1.00      | 29.26      | <=33.01 | Pass    |
|               | GPRS    | 1 TX Slot  | 1850.2          | 31.20                 | -1.00      | 30.20      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1850.2          | 30.31                 | -1.00      | 29.31      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1850.2          | 28.34                 | -1.00      | 27.34      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1850.2          | 27.30                 | -1.00      | 26.30      | <=33.01 | Pass    |
|               |         | 1 TX Slot  | 1880            | 30.85                 | -1.00      | 29.85      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1880            | 29.97                 | -1.00      | 28.97      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1880            | 28.03                 | -1.00      | 27.03      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1880            | 27.02                 | -1.00      | 26.02      | <=33.01 | Pass    |
|               |         | 1 TX Slot  | 1909.8          | 30.28                 | -1.00      | 29.28      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1909.8          | 29.42                 | -1.00      | 28.42      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1909.8          | 27.54                 | -1.00      | 26.54      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1909.8          | 26.53                 | -1.00      | 25.53      | <=33.01 | Pass    |
|               | EGPRS   | 1 TX Slot  | 1850.2          | 28.20                 | -1.00      | 27.20      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1850.2          | 27.36                 | -1.00      | 26.36      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1850.2          | 25.41                 | -1.00      | 24.41      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1850.2          | 24.32                 | -1.00      | 23.32      | <=33.01 | Pass    |
|               |         | 1 TX Slot  | 1880            | 28.08                 | -1.00      | 27.08      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1880            | 27.13                 | -1.00      | 26.13      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1880            | 25.45                 | -1.00      | 24.45      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1880            | 24.15                 | -1.00      | 23.15      | <=33.01 | Pass    |
|               |         | 1 TX Slot  | 1909.8          | 27.88                 | -1.00      | 26.88      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1909.8          | 27.03                 | -1.00      | 26.03      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1909.8          | 25.17                 | -1.00      | 24.17      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1909.8          | 24.06                 | -1.00      | 23.06      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 PCS1900

| Band: PCS1900 |                 |            |               |                  |                       |             |         |
|---------------|-----------------|------------|---------------|------------------|-----------------------|-------------|---------|
| Network       | Frequency (MHz) | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|               |                 |            |               |                  | Result                | Limit       |         |
| GSM           | 1850.2          | 20         | 3.29          | -11.171          | -0.0060               | -2.5 to 2.5 | Pass    |
|               |                 |            | 3.87          | -16.304          | -0.0088               | -2.5 to 2.5 | Pass    |
|               |                 |            | 4.45          | -12.947          | -0.0070               | -2.5 to 2.5 | Pass    |
|               |                 | -30        | 3.87          | -12.269          | -0.0066               | -2.5 to 2.5 | Pass    |
|               |                 | -20        | 3.87          | -11.978          | -0.0065               | -2.5 to 2.5 | Pass    |
|               |                 | -10        | 3.87          | -13.399          | -0.0072               | -2.5 to 2.5 | Pass    |
|               |                 | 0          | 3.87          | -11.494          | -0.0062               | -2.5 to 2.5 | Pass    |
|               |                 | 10         | 3.87          | -15.433          | -0.0083               | -2.5 to 2.5 | Pass    |
|               |                 | 30         | 3.87          | -50.850          | -0.0275               | -2.5 to 2.5 | Pass    |
|               |                 | 40         | 3.87          | 9.040            | 0.0049                | -2.5 to 2.5 | Pass    |
|               |                 | 50         | 3.87          | 11.978           | 0.0065                | -2.5 to 2.5 | Pass    |
|               | 1880            | 20         | 3.29          | -12.204          | -0.0065               | -2.5 to 2.5 | Pass    |
|               |                 |            | 3.87          | -11.720          | -0.0062               | -2.5 to 2.5 | Pass    |
|               |                 |            | 4.45          | -9.912           | -0.0053               | -2.5 to 2.5 | Pass    |
|               |                 | -30        | 3.87          | -9.363           | -0.0050               | -2.5 to 2.5 | Pass    |
|               |                 | -20        | 3.87          | -10.622          | -0.0056               | -2.5 to 2.5 | Pass    |
|               |                 | -10        | 3.87          | -7.587           | -0.0040               | -2.5 to 2.5 | Pass    |
|               |                 | 0          | 3.87          | -10.267          | -0.0055               | -2.5 to 2.5 | Pass    |
|               |                 | 10         | 3.87          | -9.201           | -0.0049               | -2.5 to 2.5 | Pass    |
|               |                 | 30         | 3.87          | -7.167           | -0.0038               | -2.5 to 2.5 | Pass    |
|               |                 | 40         | 3.87          | -8.394           | -0.0045               | -2.5 to 2.5 | Pass    |
|               |                 | 50         | 3.87          | -8.136           | -0.0043               | -2.5 to 2.5 | Pass    |
|               | 1909.8          | 20         | 3.29          | -9.653           | -0.0051               | -2.5 to 2.5 | Pass    |
|               |                 |            | 3.87          | -15.497          | -0.0081               | -2.5 to 2.5 | Pass    |
|               |                 |            | 4.45          | -9.815           | -0.0051               | -2.5 to 2.5 | Pass    |
|               |                 | -30        | 3.87          | -17.112          | -0.0090               | -2.5 to 2.5 | Pass    |
|               |                 | -20        | 3.87          | -10.654          | -0.0056               | -2.5 to 2.5 | Pass    |
|               |                 | -10        | 3.87          | -7.878           | -0.0041               | -2.5 to 2.5 | Pass    |
|               |                 | 0          | 3.87          | -7.426           | -0.0039               | -2.5 to 2.5 | Pass    |
|               |                 | 10         | 3.87          | -9.460           | -0.0050               | -2.5 to 2.5 | Pass    |
|               |                 | 30         | 3.87          | -9.621           | -0.0050               | -2.5 to 2.5 | Pass    |
|               |                 | 40         | 3.87          | -3.099           | -0.0016               | -2.5 to 2.5 | Pass    |
|               |                 | 50         | 3.87          | -4.036           | -0.0021               | -2.5 to 2.5 | Pass    |
| GPRS          | 1850.2          | 20         | 3.29          | -11.009          | -0.0060               | -2.5 to 2.5 | Pass    |
|               |                 |            | 3.87          | -12.947          | -0.0070               | -2.5 to 2.5 | Pass    |
|               |                 |            | 4.45          | -10.493          | -0.0057               | -2.5 to 2.5 | Pass    |
|               |                 | -30        | 3.87          | -15.691          | -0.0085               | -2.5 to 2.5 | Pass    |
|               |                 | -20        | 3.87          | -15.077          | -0.0081               | -2.5 to 2.5 | Pass    |
|               |                 | -10        | 3.87          | -13.011          | -0.0070               | -2.5 to 2.5 | Pass    |
|               |                 | 0          | 3.87          | -13.205          | -0.0071               | -2.5 to 2.5 | Pass    |
|               |                 | 10         | 3.87          | -3.261           | -0.0018               | -2.5 to 2.5 | Pass    |
|               |                 | 30         | 3.87          | -21.244          | -0.0115               | -2.5 to 2.5 | Pass    |
|               |                 | 40         | 3.87          | -21.180          | -0.0114               | -2.5 to 2.5 | Pass    |
|               |                 | 50         | 3.87          | 1.259            | 0.0007                | -2.5 to 2.5 | Pass    |
|               | 1880            | 20         | 3.29          | -10.009          | -0.0053               | -2.5 to 2.5 | Pass    |
|               |                 |            | 3.87          | -4.843           | -0.0026               | -2.5 to 2.5 | Pass    |
|               |                 |            | 4.45          | -11.171          | -0.0059               | -2.5 to 2.5 | Pass    |
|               |                 | -30        | 3.87          | -14.141          | -0.0075               | -2.5 to 2.5 | Pass    |
|               |                 | -20        | 3.87          | -14.238          | -0.0076               | -2.5 to 2.5 | Pass    |
|               |                 | -10        | 3.87          | -11.332          | -0.0060               | -2.5 to 2.5 | Pass    |

|       |        |     |      |         |         |             |      |
|-------|--------|-----|------|---------|---------|-------------|------|
|       |        | 0   | 3.87 | -12.785 | -0.0068 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.87 | -15.013 | -0.0080 | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.87 | -10.557 | -0.0056 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.87 | -10.461 | -0.0056 | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.87 | -8.879  | -0.0047 | -2.5 to 2.5 | Pass |
|       | 1909.8 | 20  | 3.29 | -11.171 | -0.0058 | -2.5 to 2.5 | Pass |
|       |        |     | 3.87 | -13.947 | -0.0073 | -2.5 to 2.5 | Pass |
|       |        |     | 4.45 | -14.399 | -0.0075 | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.87 | -9.460  | -0.0050 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.87 | -9.363  | -0.0049 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.87 | -9.460  | -0.0050 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.87 | -15.497 | -0.0081 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.87 | -9.912  | -0.0052 | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.87 | -25.538 | -0.0134 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.87 | -23.536 | -0.0123 | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.87 | -31.253 | -0.0164 | -2.5 to 2.5 | Pass |
| EGPRS | 1850.2 | 20  | 3.29 | -31.737 | -0.0172 | -2.5 to 2.5 | Pass |
|       |        |     | 3.87 | -36.548 | -0.0198 | -2.5 to 2.5 | Pass |
|       |        |     | 4.45 | -26.700 | -0.0144 | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.87 | -29.638 | -0.0160 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.87 | -30.349 | -0.0164 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.87 | -34.288 | -0.0185 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.87 | -30.994 | -0.0168 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.87 | -48.461 | -0.0262 | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.87 | -47.589 | -0.0257 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.87 | -50.108 | -0.0271 | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.87 | -51.948 | -0.0281 | -2.5 to 2.5 | Pass |
|       | 1880   | 20  | 3.29 | -29.412 | -0.0156 | -2.5 to 2.5 | Pass |
|       |        |     | 3.87 | -27.088 | -0.0144 | -2.5 to 2.5 | Pass |
|       |        |     | 4.45 | -26.636 | -0.0142 | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.87 | -27.508 | -0.0146 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.87 | -28.444 | -0.0151 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.87 | -27.895 | -0.0148 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.87 | -30.768 | -0.0164 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.87 | -40.164 | -0.0214 | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.87 | -35.030 | -0.0186 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.87 | -35.966 | -0.0191 | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.87 | -41.390 | -0.0220 | -2.5 to 2.5 | Pass |
|       | 1909.8 | 20  | 3.29 | -23.956 | -0.0125 | -2.5 to 2.5 | Pass |
|       |        |     | 3.87 | -26.604 | -0.0139 | -2.5 to 2.5 | Pass |
|       |        |     | 4.45 | -27.443 | -0.0144 | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.87 | -26.152 | -0.0137 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.87 | -22.794 | -0.0119 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.87 | -26.474 | -0.0139 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.87 | -22.891 | -0.0120 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.87 | -24.570 | -0.0129 | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.87 | -28.831 | -0.0151 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.87 | -38.808 | -0.0203 | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.87 | -36.677 | -0.0192 | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

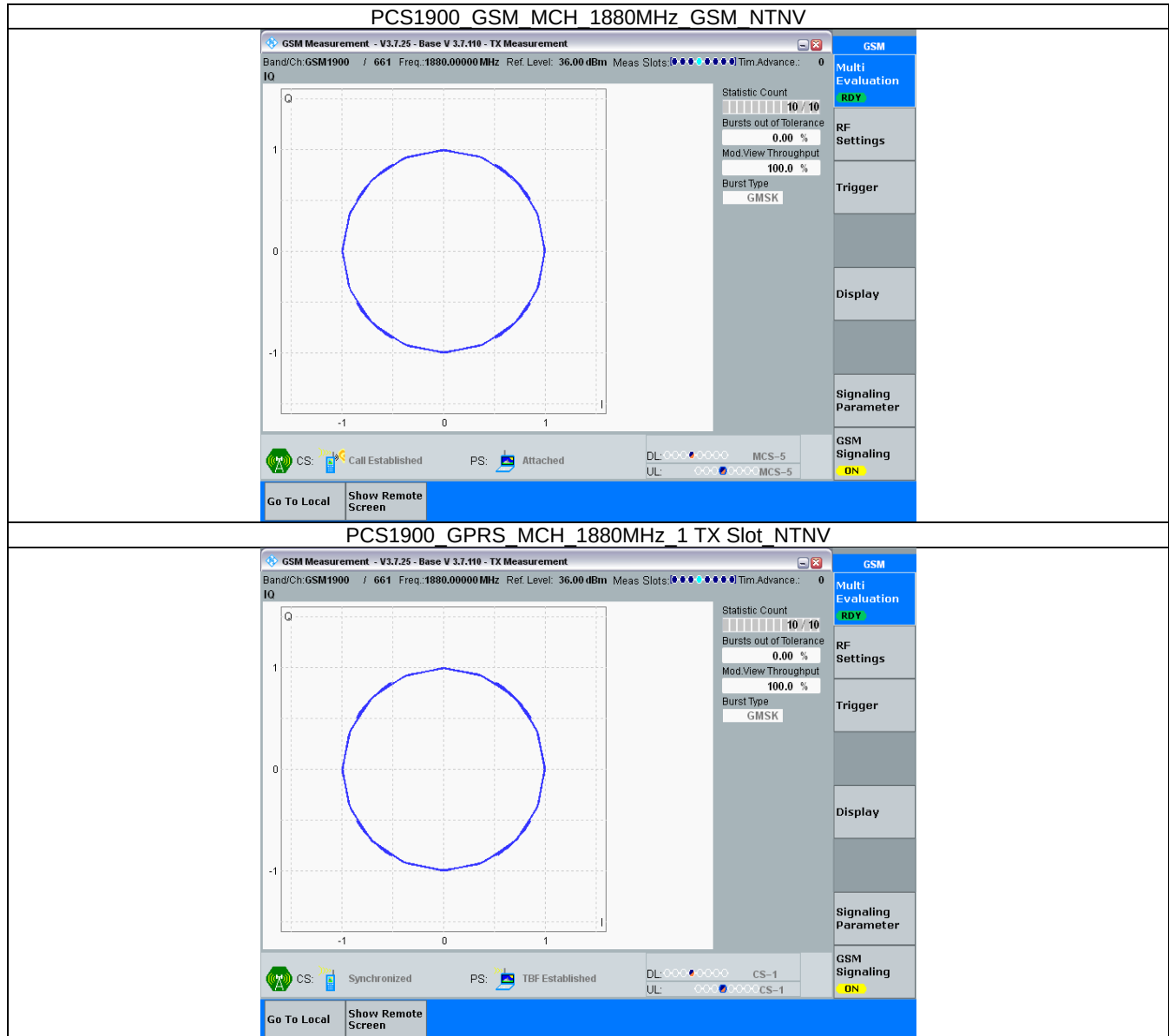
#### 3.1 Test Result

##### 3.1.1 PCS1900

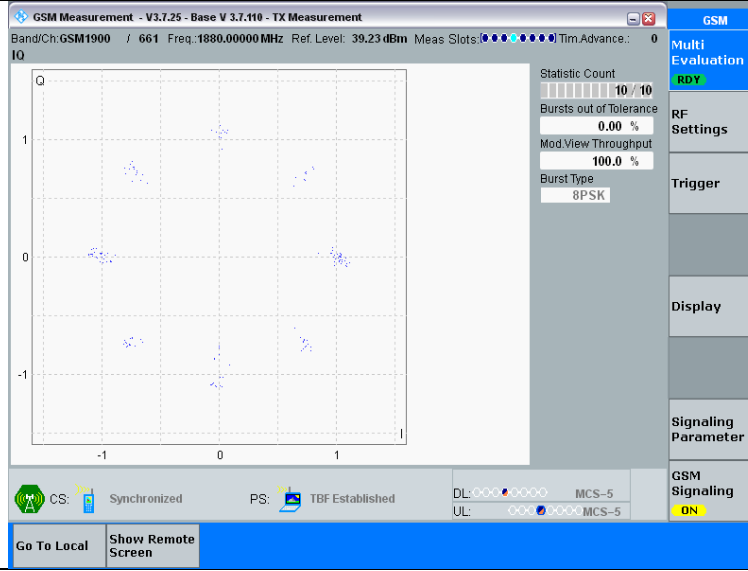
| Band: PCS1900 |         |           |                    |                            |       |         |
|---------------|---------|-----------|--------------------|----------------------------|-------|---------|
| ENV           | Mode    |           | Frequency<br>(MHz) | Modulation Characteristics |       | Verdict |
|               | Network | Subset    |                    | Result                     | Limit |         |
| NTNV          | GSM     | GSM       | 1880               | Refer To Test Graph        |       | Pass    |
|               | GPRS    | 1 TX Slot | 1880               | Refer To Test Graph        |       | Pass    |
|               | EGPRS   | 1 TX Slot | 1880               | Refer To Test Graph        |       | Pass    |

## 3.2 Test Graph

### 3.2.1 PCS1900



# PCS1900 EGPRS MCH 1880MHz 1 TX Slot NTNV



## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 PCS1900\_OBW

| Band: PCS1900 |         |           |                 |                              |       |         |
|---------------|---------|-----------|-----------------|------------------------------|-------|---------|
| ENV           | Mode    |           | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |       | Verdict |
|               | Network | Subset    |                 | Result                       | Limit |         |
| NTNV          | GSM     | GSM       | 1850.2          | 0.248                        | /     | Pass    |
|               |         |           | 1880            | 0.244                        | /     | Pass    |
|               |         |           | 1909.8          | 0.247                        | /     | Pass    |
|               | GPRS    | 1 TX Slot | 1850.2          | 0.243                        | /     | Pass    |
|               |         |           | 1880            | 0.244                        | /     | Pass    |
|               |         |           | 1909.8          | 0.245                        | /     | Pass    |
|               | EGPRS   | 1 TX Slot | 1850.2          | 0.256                        | /     | Pass    |
|               |         |           | 1880            | 0.256                        | /     | Pass    |
|               |         |           | 1909.8          | 0.248                        | /     | Pass    |

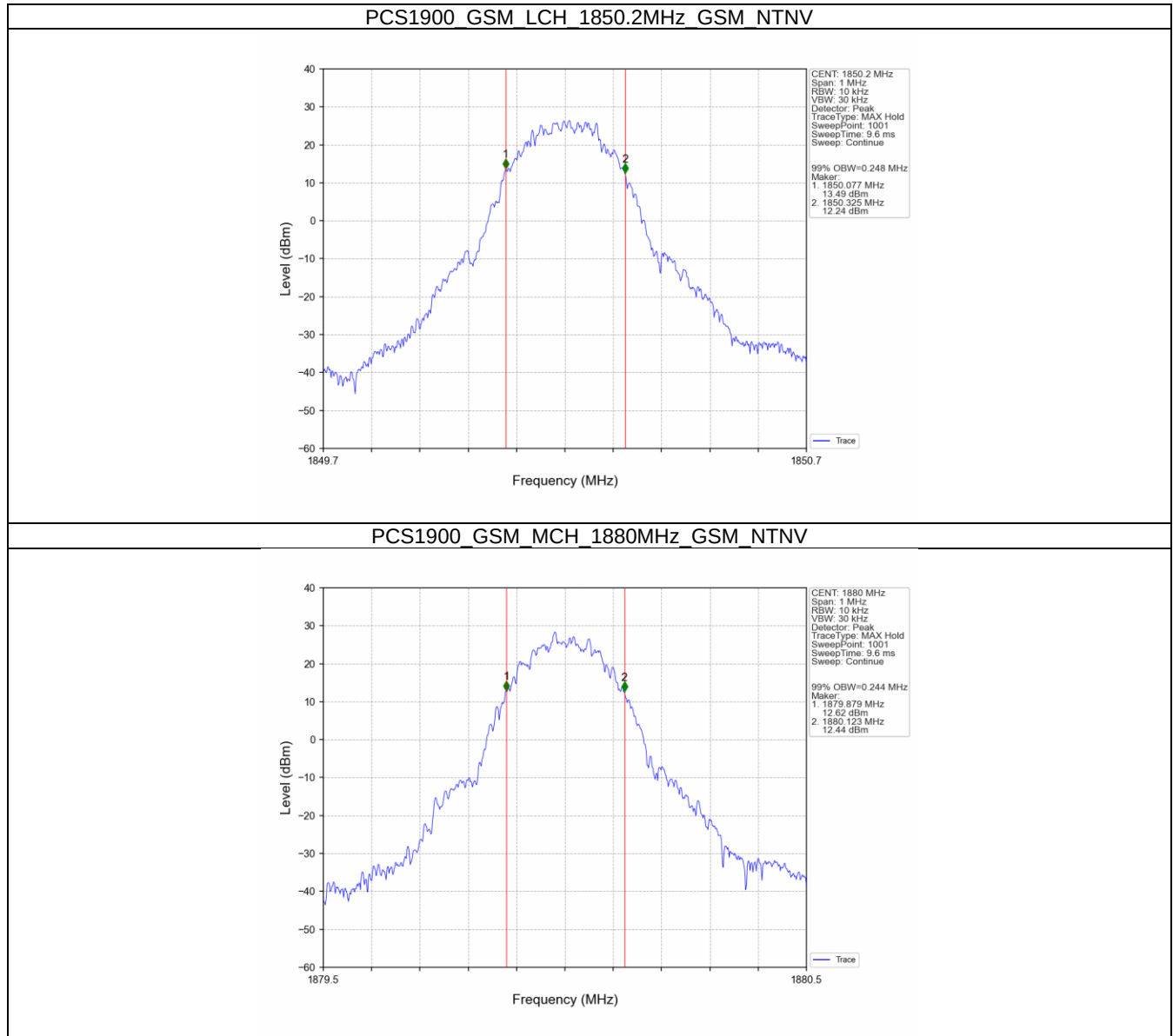
#### 4.1.2 PCS1900\_XDB

| Band: PCS1900 |         |           |                 |                      |       |         |
|---------------|---------|-----------|-----------------|----------------------|-------|---------|
| ENV           | Mode    |           | Frequency (MHz) | 26dB Bandwidth (MHz) |       | Verdict |
|               | Network | Subset    |                 | Result               | Limit |         |
| NTNV          | GSM     | GSM       | 1850.2          | 0.316                | /     | Pass    |
|               |         |           | 1880            | 0.317                | /     | Pass    |
|               |         |           | 1909.8          | 0.321                | /     | Pass    |
|               | GPRS    | 1 TX Slot | 1850.2          | 0.317                | /     | Pass    |
|               |         |           | 1880            | 0.313                | /     | Pass    |
|               |         |           | 1909.8          | 0.316                | /     | Pass    |
|               | EGPRS   | 1 TX Slot | 1850.2          | 0.323                | /     | Pass    |
|               |         |           | 1880            | 0.327                | /     | Pass    |
|               |         |           | 1909.8          | 0.324                | /     | Pass    |

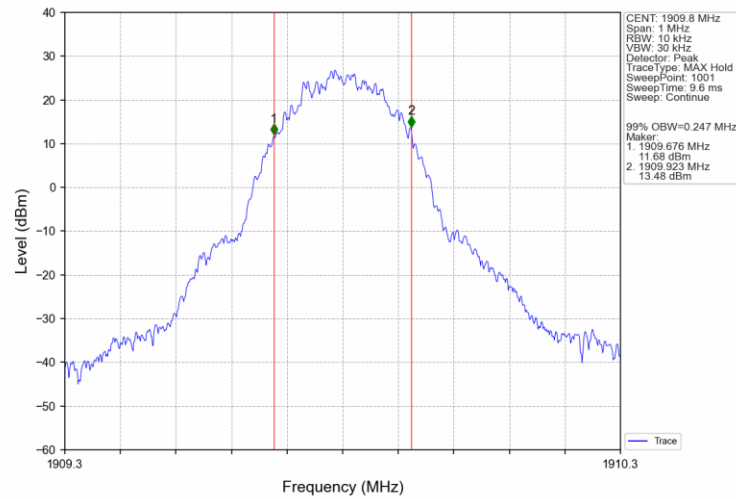


## 4.2 Test Graph

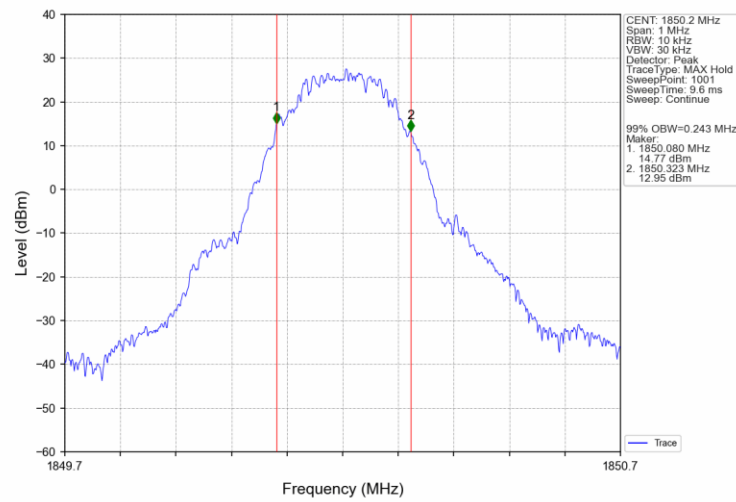
### 4.2.1 PCS1900\_OBW



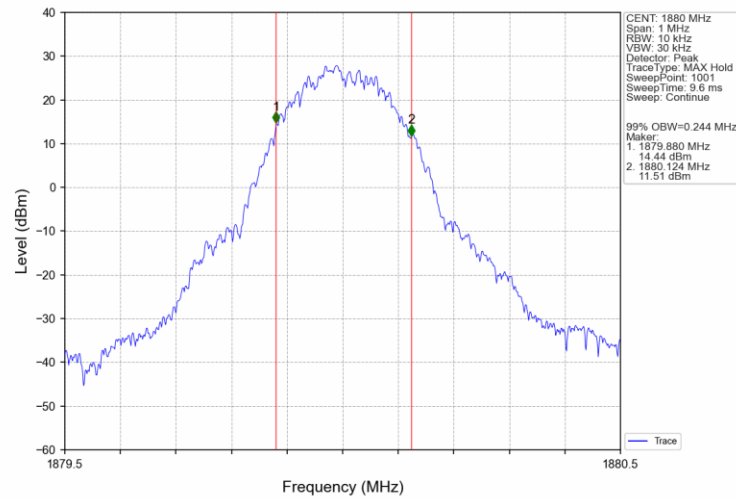
### PCS1900 GSM HCH 1909.8MHz GSM NTN



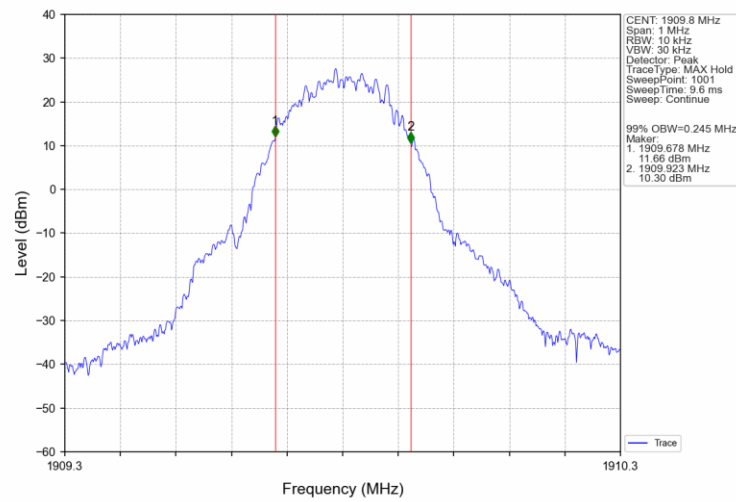
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot NTN



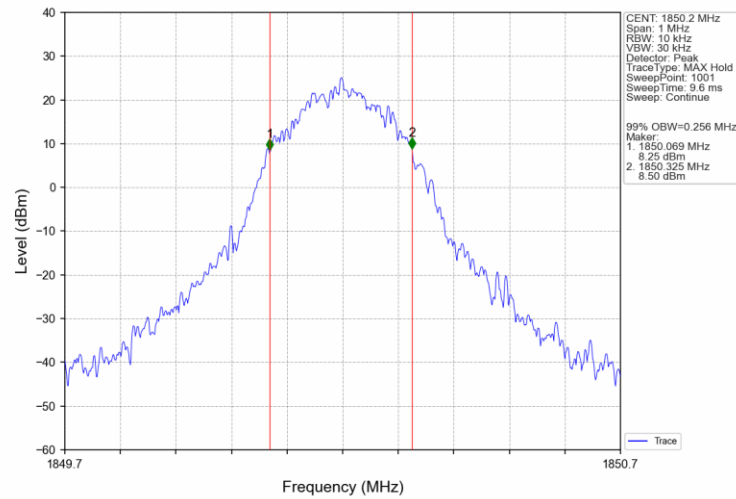
### PCS1900 GPRS MCH 1880MHz 1 TX Slot NTNV



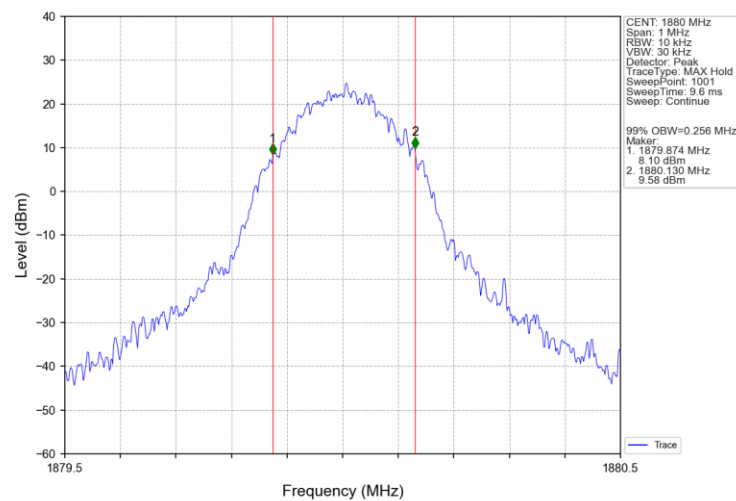
### PCS1900 GPRS HCH 1909.8MHz 1 TX Slot NTNV



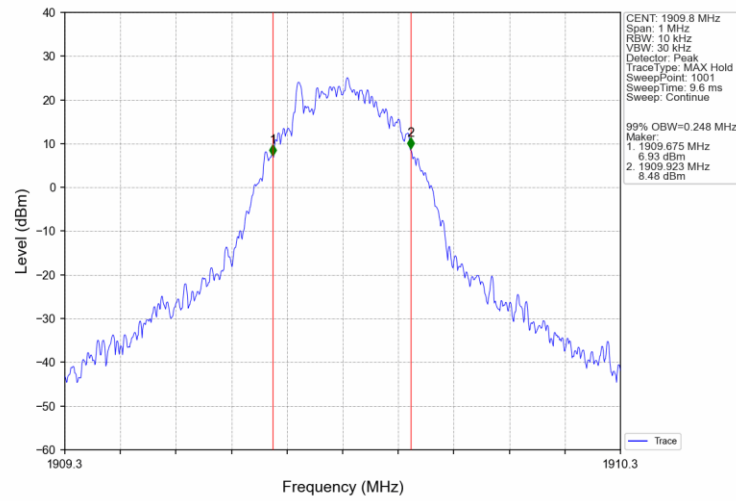
### PCS1900 EGPRS LCH 1850.2MHz 1 TX Slot NTN



### PCS1900 EGPRS MCH 1880MHz 1 TX Slot NTN

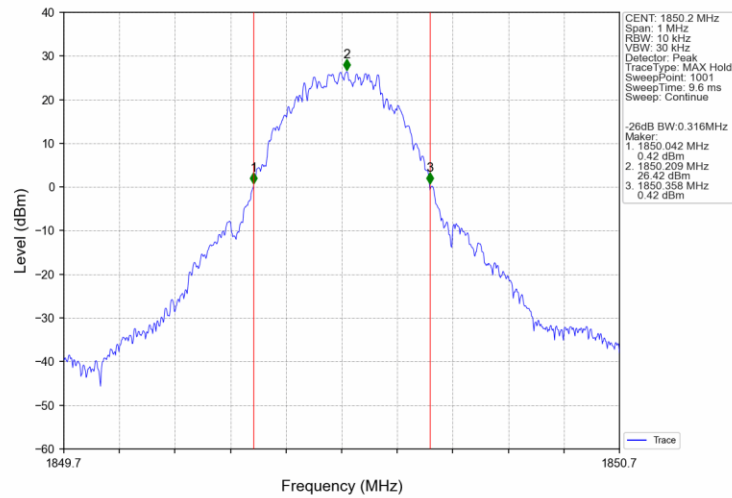


# PCS1900 EGPRS HCH 1909.8MHz 1 TX Slot NTN

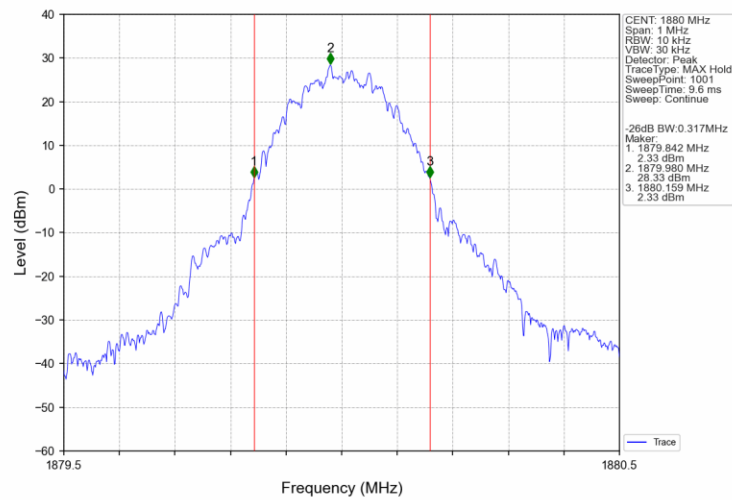


### 4.2.2 PCS1900\_XDB

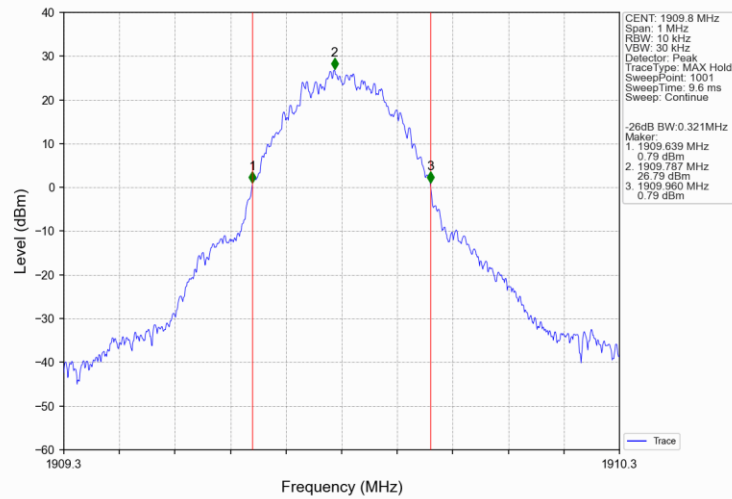
PCS1900 GSM LCH 1850.2MHz GSM NTN



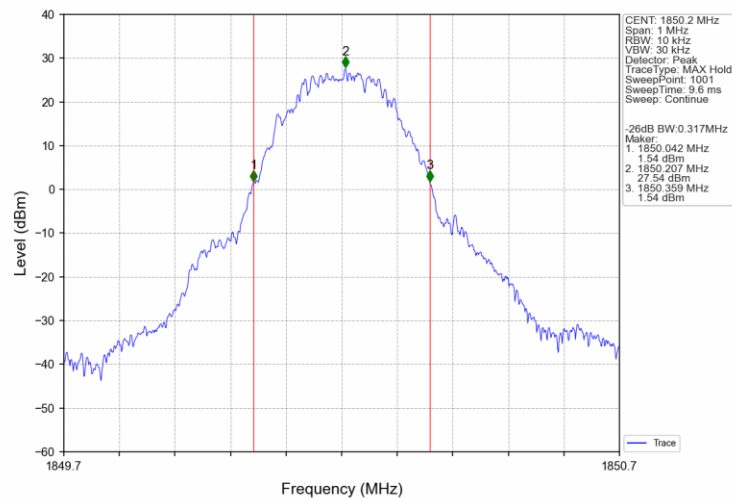
PCS1900 GSM MCH 1880MHz GSM NTN



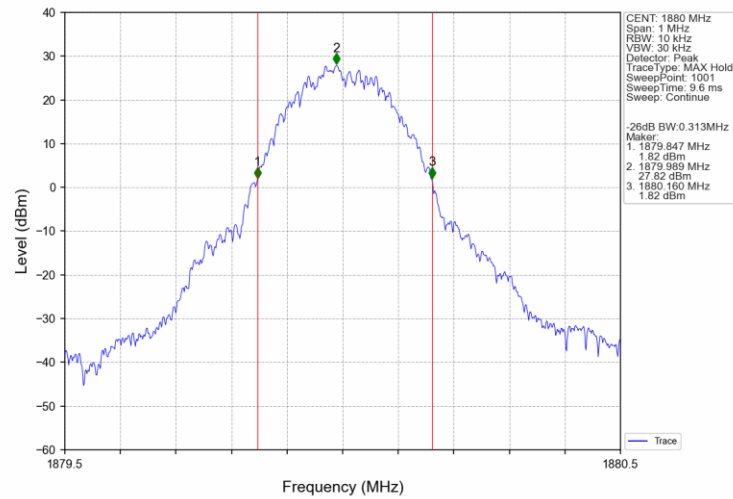
### PCS1900 GSM HCH 1909.8MHz GSM NTN



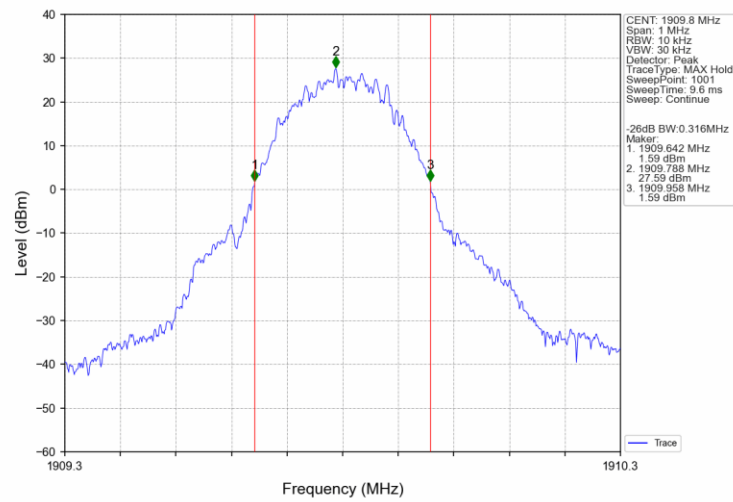
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot NTN



### PCS1900 GPRS MCH 1880MHz 1 TX Slot NTNV

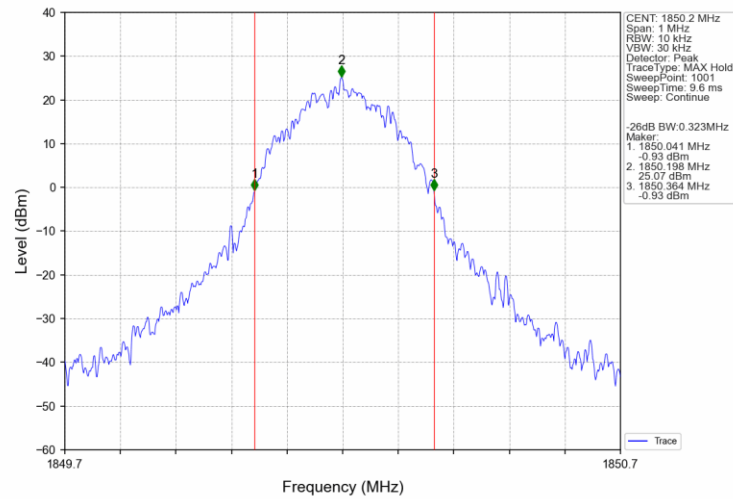


### PCS1900 GPRS HCH 1909.8MHz 1 TX Slot NTNV

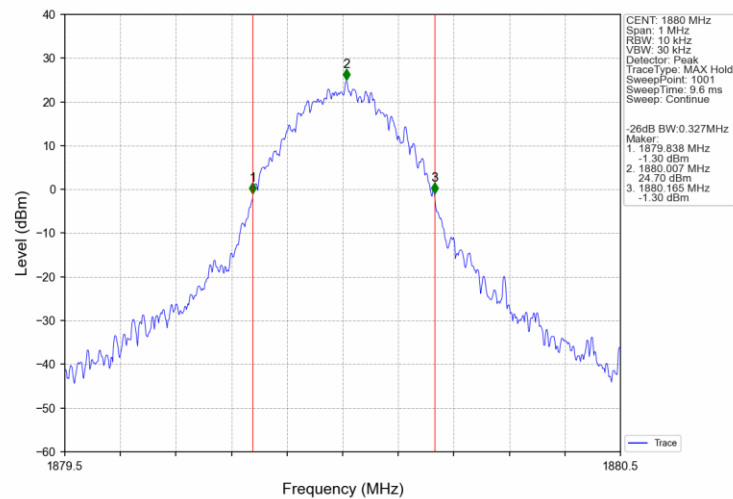




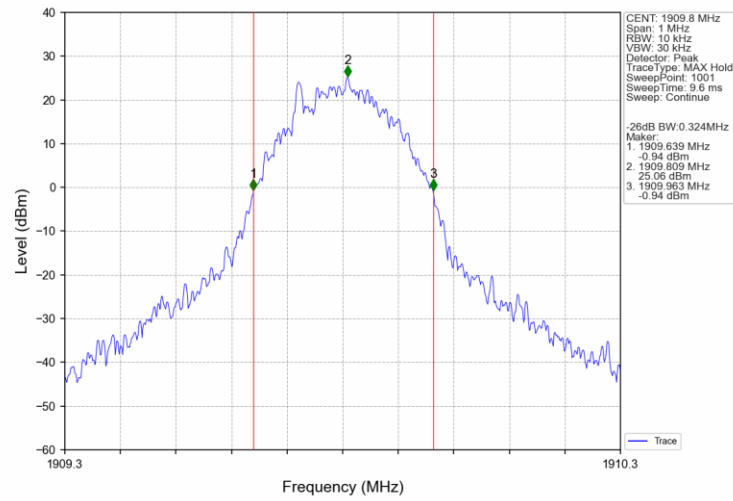
### PCS1900 EGPRS LCH 1850.2MHz 1 TX Slot NTN



### PCS1900 EGPRS MCH 1880MHz 1 TX Slot NTN



# PCS1900 EGPRS HCH 1909.8MHz 1 TX Slot NTN



## 5. Peak-Average Ratio

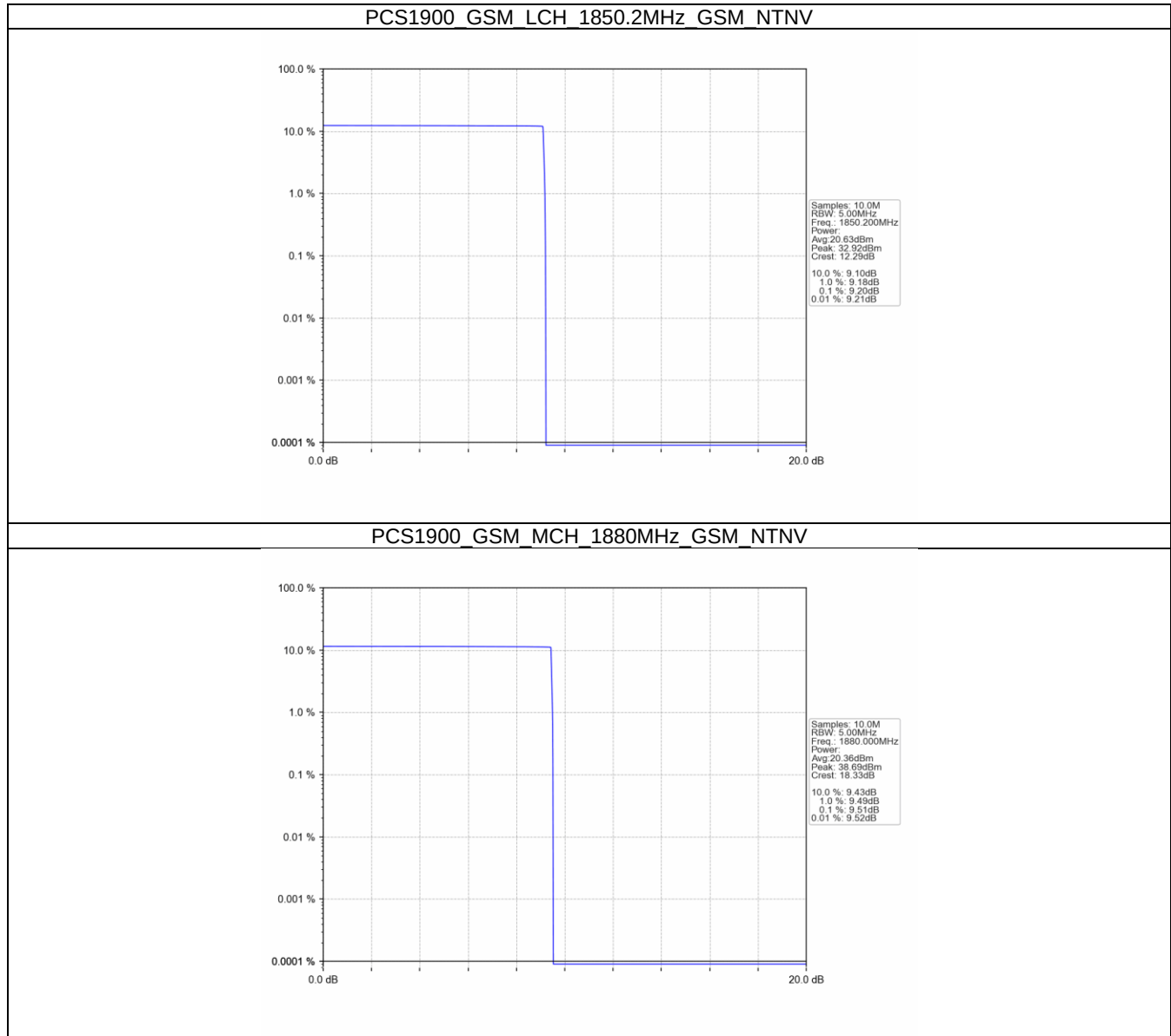
### 5.1 Test Result

#### 5.1.1 PCS1900

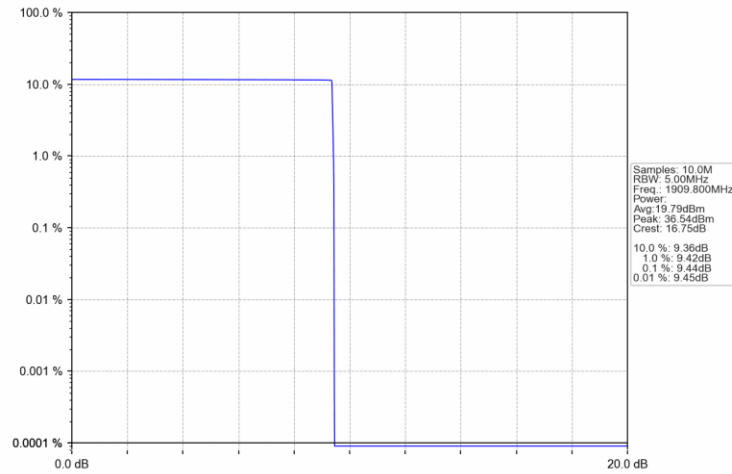
| Band: PCS1900 |         |            |                 |                         |       |         |
|---------------|---------|------------|-----------------|-------------------------|-------|---------|
| ENV           | Mode    |            | Frequency (MHz) | Peak-Average Ratio (dB) |       | Verdict |
|               | Network | Subset     |                 | Result                  | Limit |         |
| NTNV          | GSM     | GSM        | 1850.2          | 9.20                    | <=13  | Pass    |
|               |         |            | 1880            | 9.51                    | <=13  | Pass    |
|               |         |            | 1909.8          | 9.44                    | <=13  | Pass    |
|               | GPRS    | 4 TX Slots | 1850.2          | 3.55                    | <=13  | Pass    |
|               |         |            | 1880            | 3.46                    | <=13  | Pass    |
|               |         |            | 1909.8          | 3.56                    | <=13  | Pass    |
|               | EGPRS   | 4 TX Slots | 1850.2          | 8.06                    | <=13  | Pass    |
|               |         |            | 1880            | 7.91                    | <=13  | Pass    |
|               |         |            | 1909.8          | 7.89                    | <=13  | Pass    |

## 5.2 Test Graph

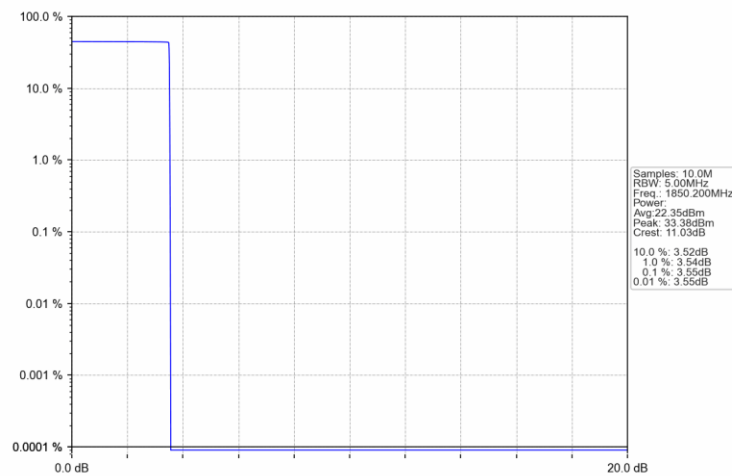
### 5.2.1 PCS1900



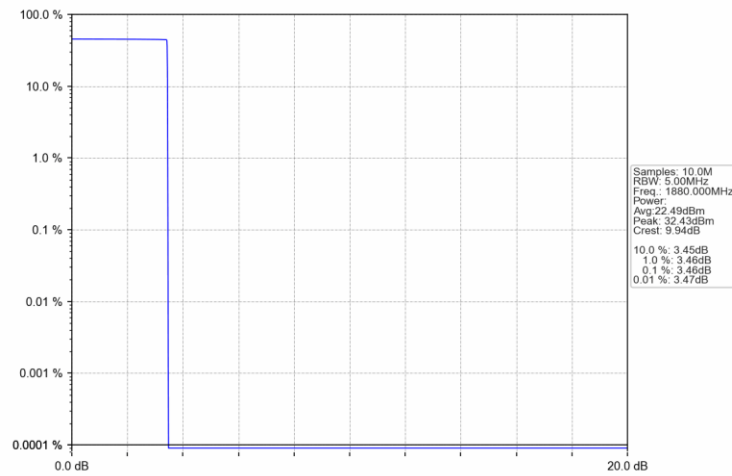
### PCS1900 GSM HCH 1909.8MHz GSM NTN



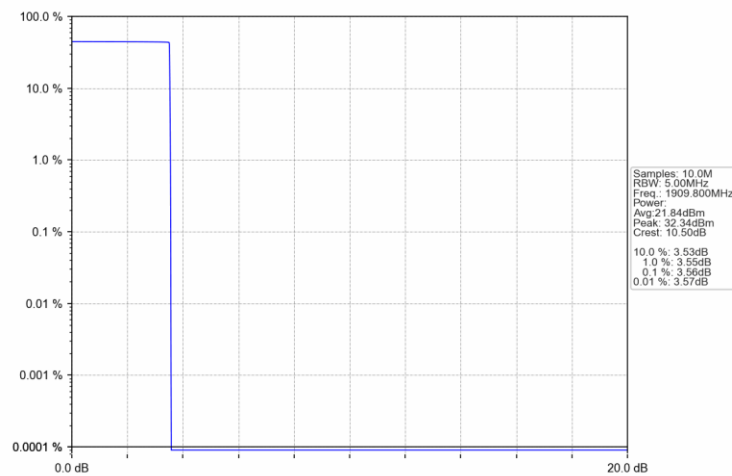
### PCS1900 GPRS LCH 1850.2MHz 4 TX Slots NTN



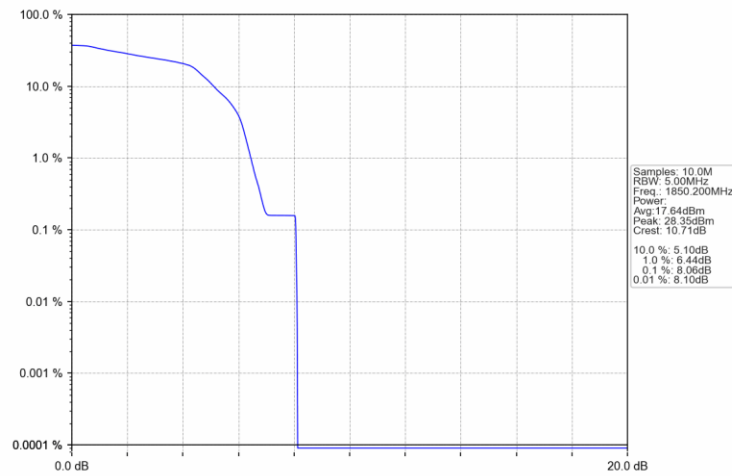
### PCS1900\_GPRS\_MCH\_1880MHz\_4 TX Slots\_NTNV



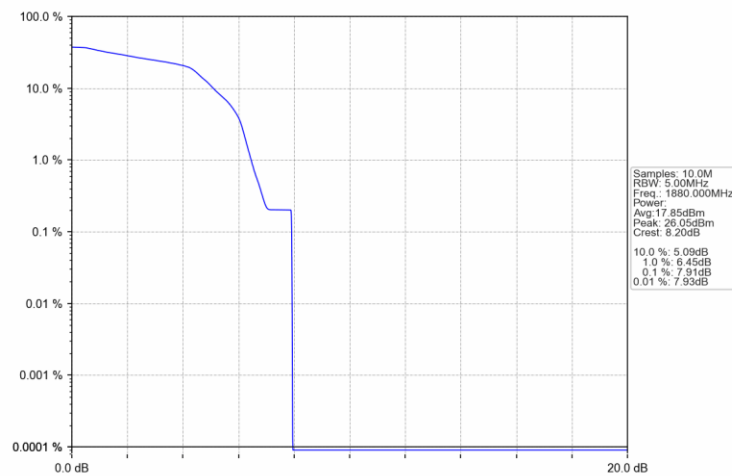
### PCS1900\_GPRS\_HCH\_1909.8MHz\_4 TX Slots\_NTNV



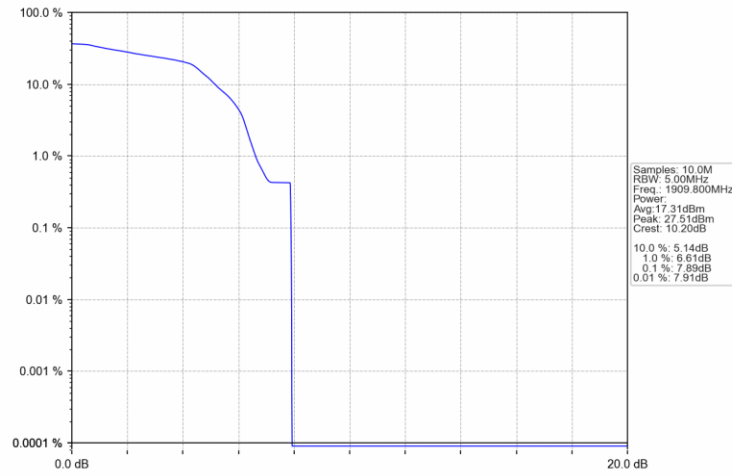
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_4 TX Slots\_NTNV



### PCS1900\_EGPRS\_MCH\_1880MHz\_4 TX Slots\_NTNV



# PCS1900 EGPRS HCH 1909.8MHz 4 TX Slots NTN





## 6. Spurious Emission

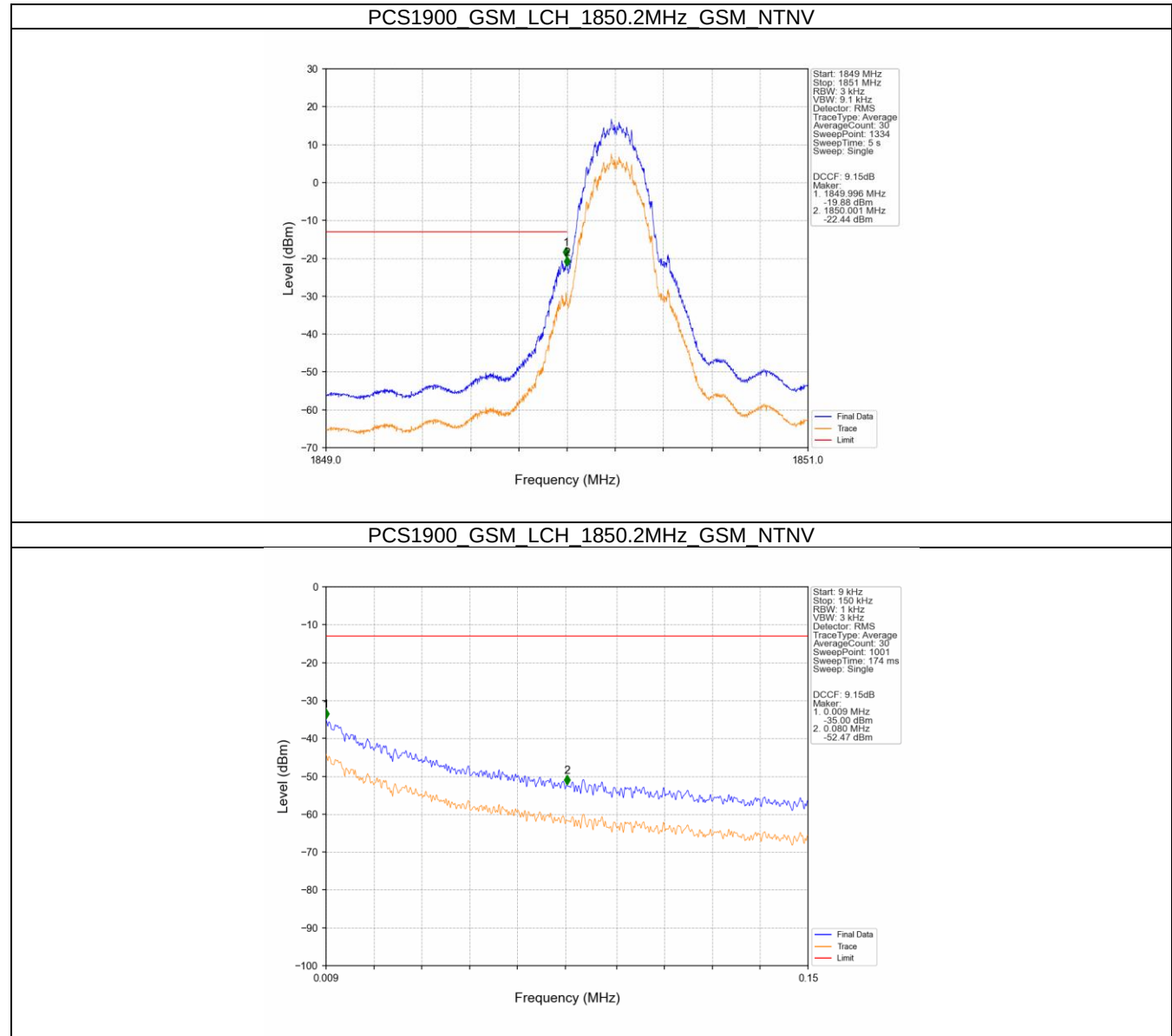
### 6.1 Test Result

#### 6.1.1 PCS1900

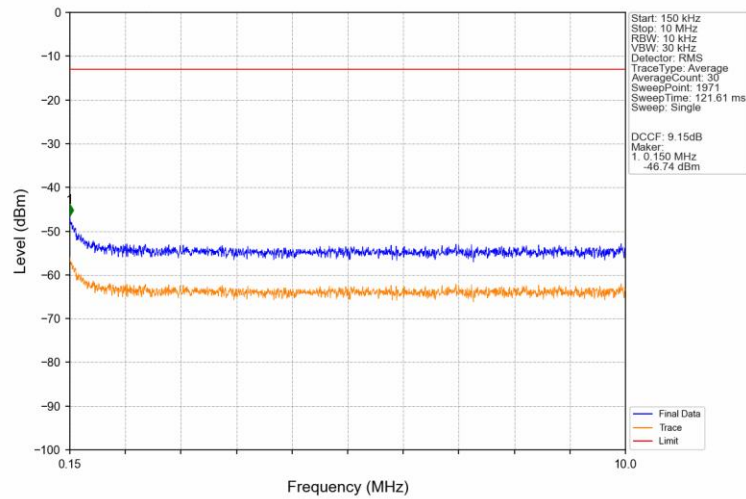
| Band: PCS1900 |         |           |                 |                     |       |         |
|---------------|---------|-----------|-----------------|---------------------|-------|---------|
| ENV           | Mode    |           | Frequency (MHz) | Spurious Emission   |       | Verdict |
|               | Network | Subset    |                 | Result              | Limit |         |
| NTNV          | GSM     | GSM       | 1850.2          | Refer To Test Graph | Pass  |         |
|               |         |           | 1880            | Refer To Test Graph | Pass  |         |
|               |         |           | 1909.8          | Refer To Test Graph | Pass  |         |
|               | GPRS    | 1 TX Slot | 1850.2          | Refer To Test Graph | Pass  |         |
|               |         |           | 1880            | Refer To Test Graph | Pass  |         |
|               |         |           | 1909.8          | Refer To Test Graph | Pass  |         |
|               | EGPRS   | 1 TX Slot | 1850.2          | Refer To Test Graph | Pass  |         |
|               |         |           | 1880            | Refer To Test Graph | Pass  |         |
|               |         |           | 1909.8          | Refer To Test Graph | Pass  |         |

## 6.2 Test Graph

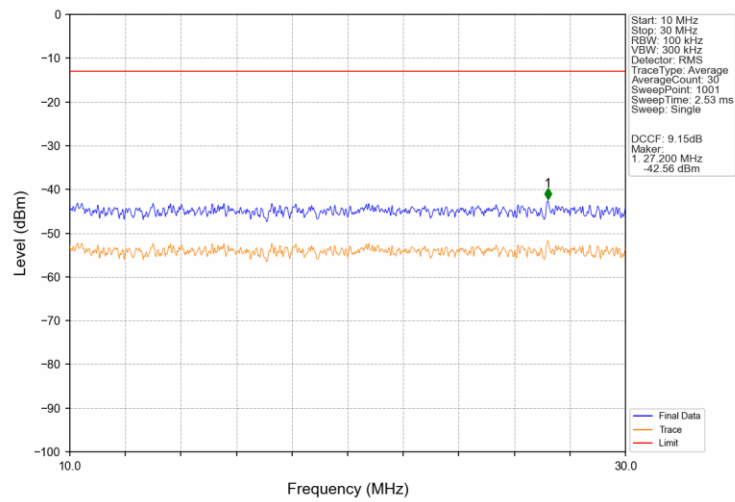
### 6.2.1 PCS1900



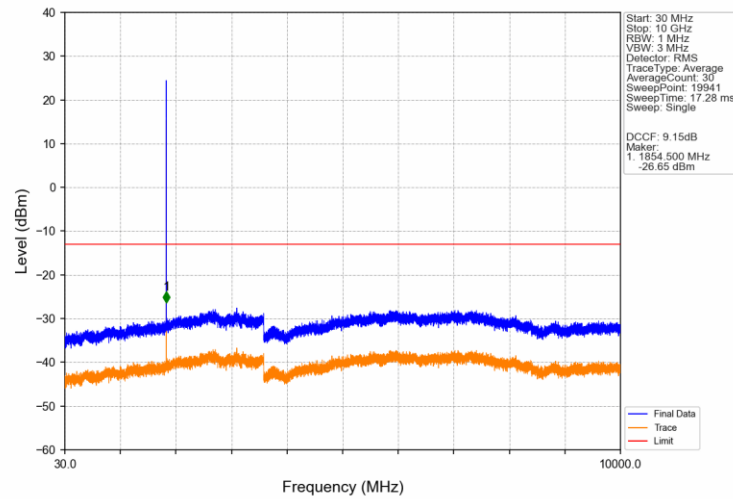
### PCS1900 GSM LCH 1850.2MHz GSM NTN



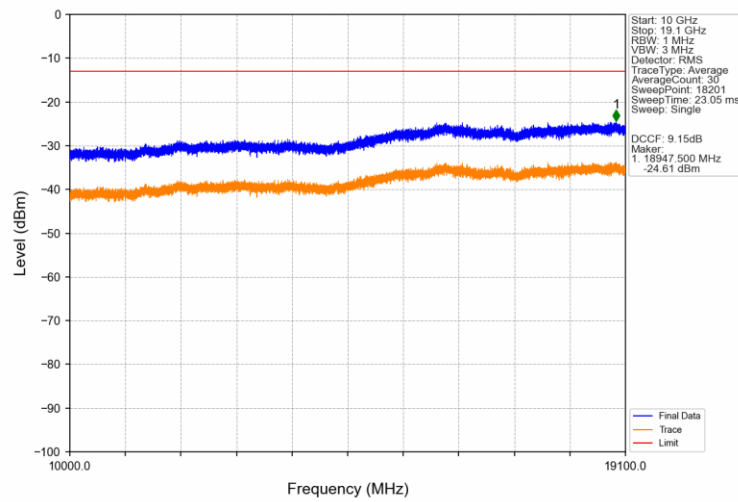
### PCS1900 GSM LCH 1850.2MHz GSM NTN



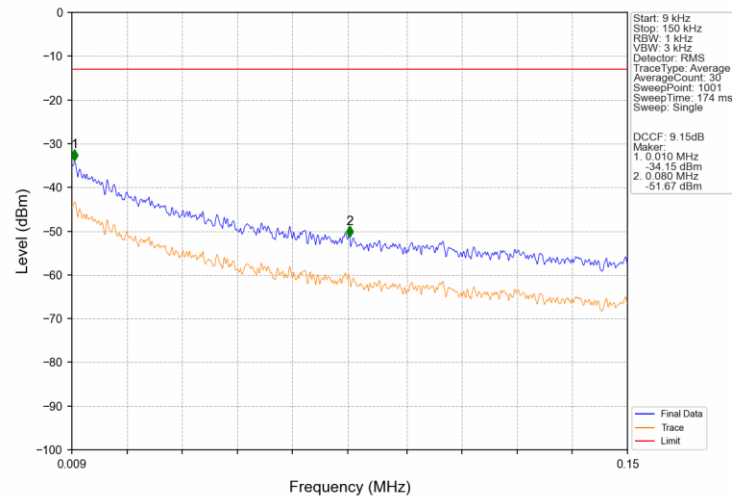
### PCS1900 GSM LCH 1850.2MHz GSM NTN



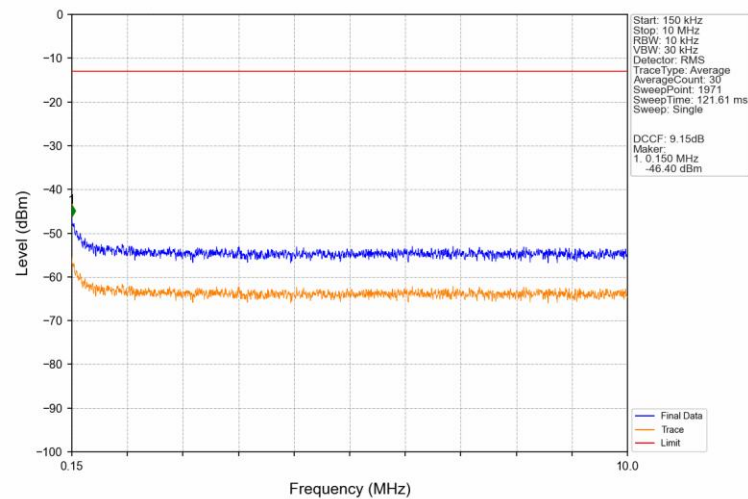
### PCS1900 GSM LCH 1850.2MHz GSM NTN



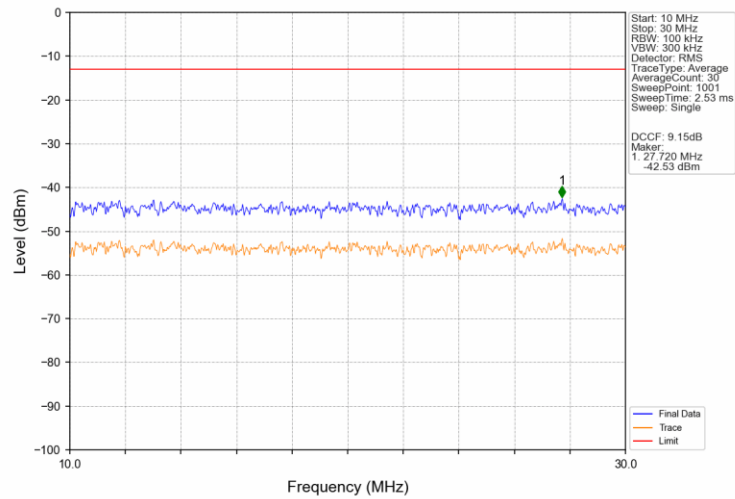
### PCS1900 GSM MCH 1880MHz GSM NTNV



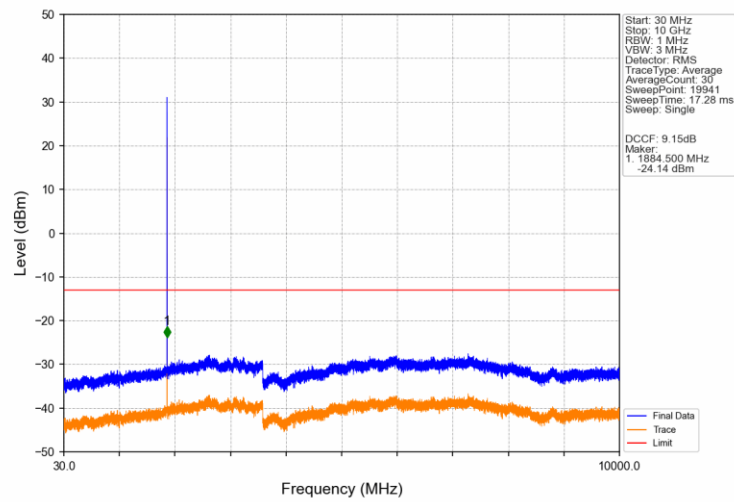
### PCS1900 GSM MCH 1880MHz GSM NTNV



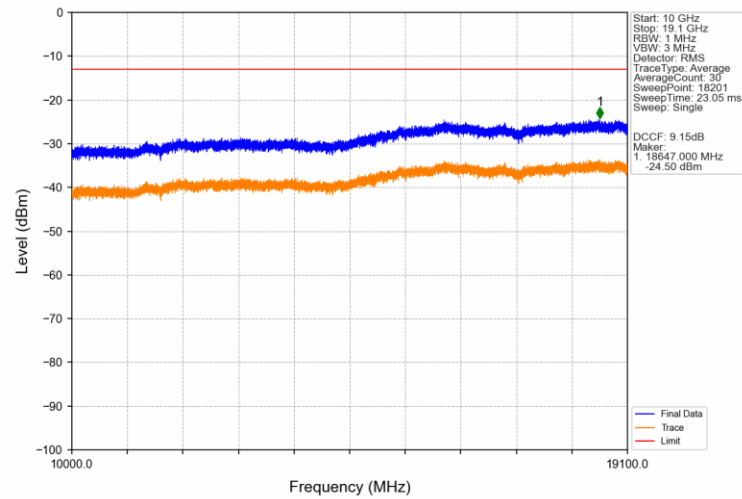
### PCS1900 GSM MCH 1880MHz GSM NTN



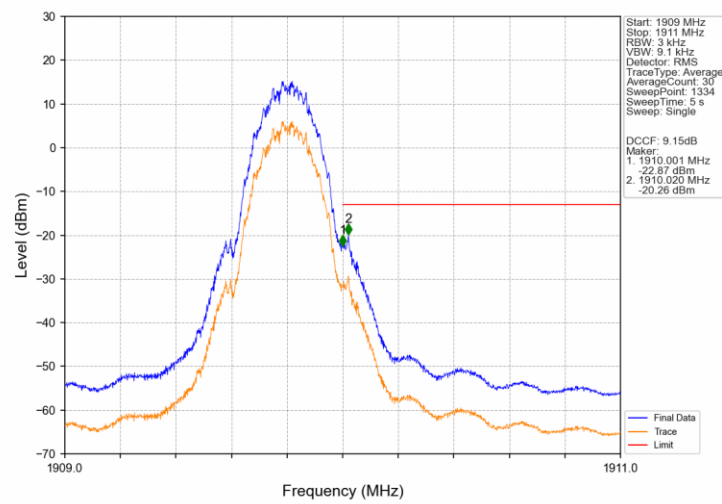
### PCS1900 GSM MCH 1880MHz GSM NTN



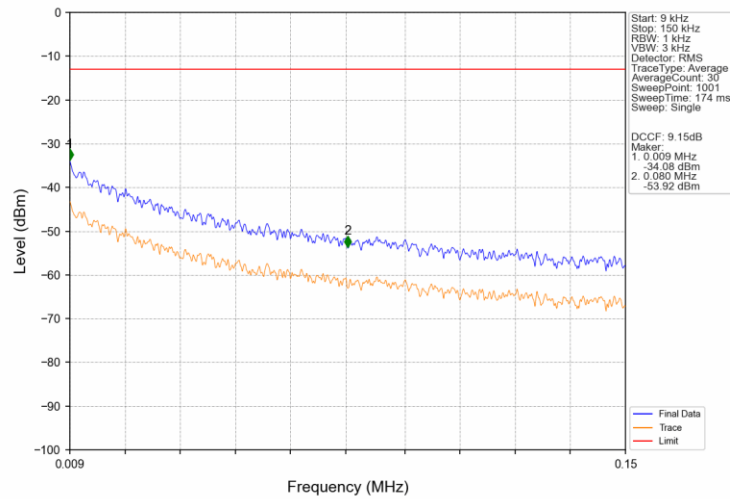
### PCS1900 GSM MCH 1880MHz GSM NTN



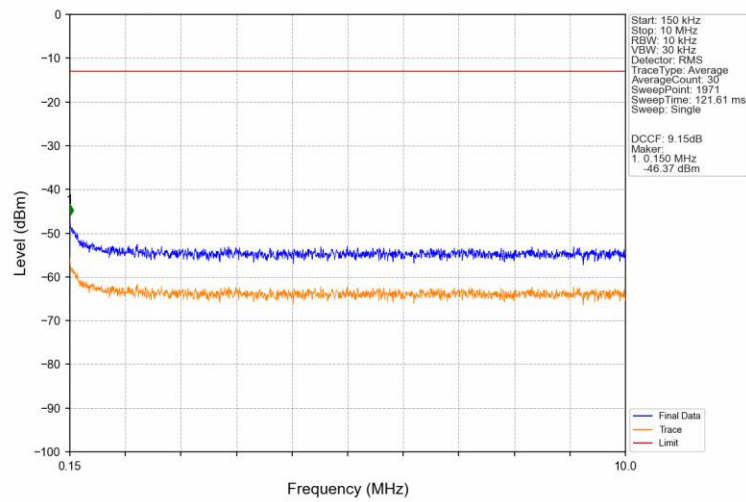
### PCS1900 GSM HCH 1909.8MHz GSM NTN



### PCS1900 GSM HCH 1909.8MHz GSM NTN

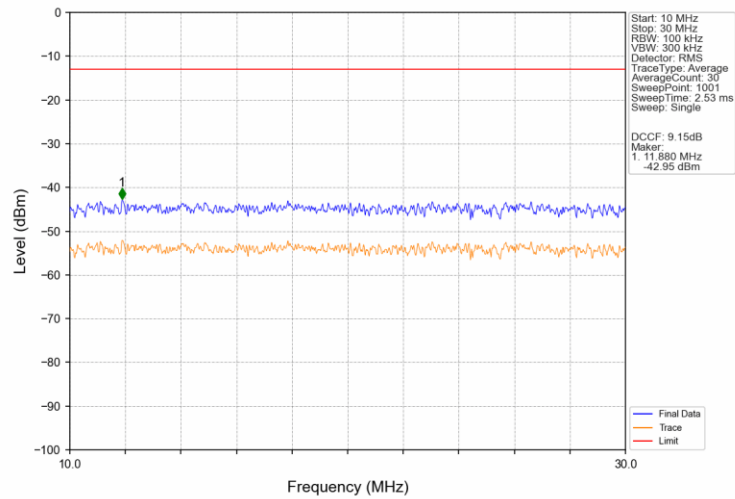


### PCS1900 GSM HCH 1909.8MHz GSM NTN

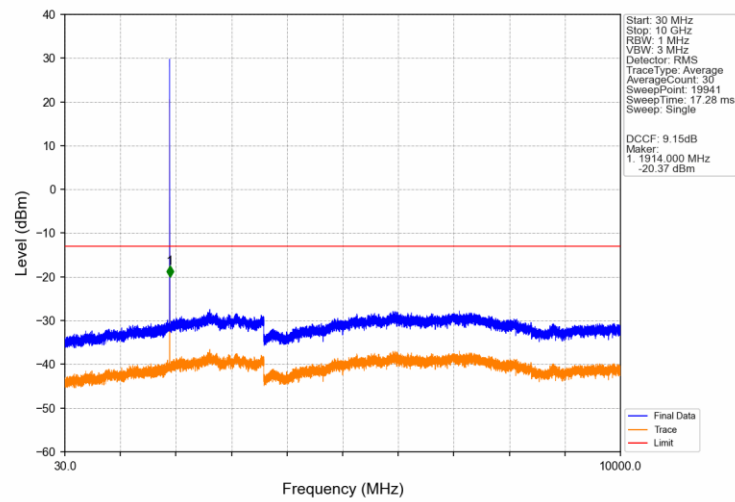




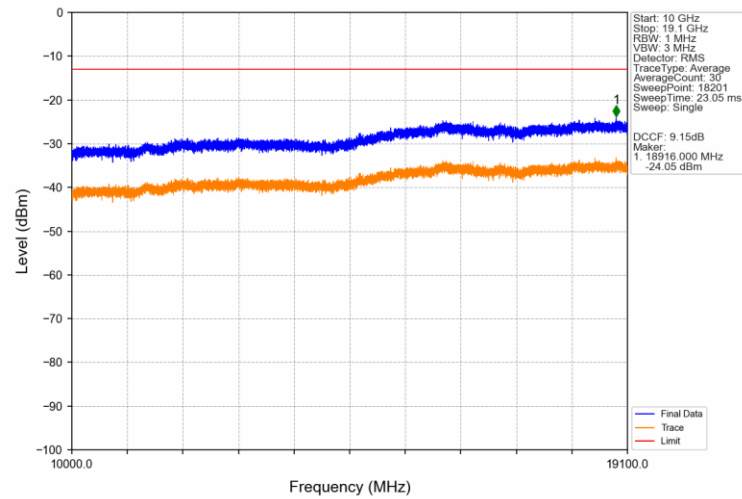
### PCS1900 GSM HCH 1909.8MHz GSM NTN



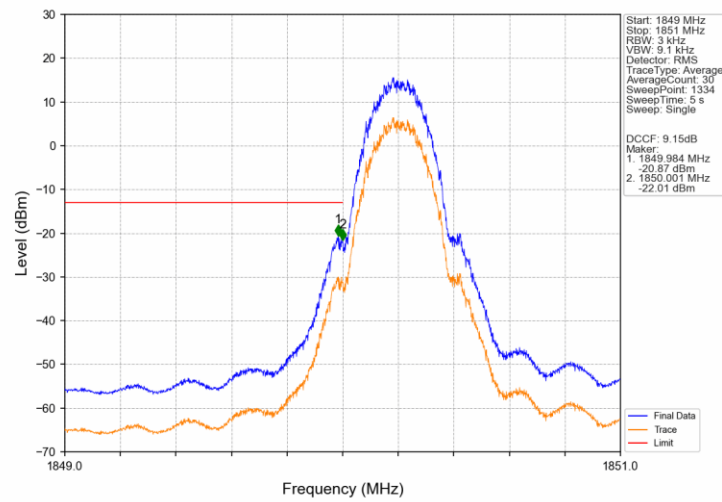
### PCS1900 GSM HCH 1909.8MHz GSM NTN



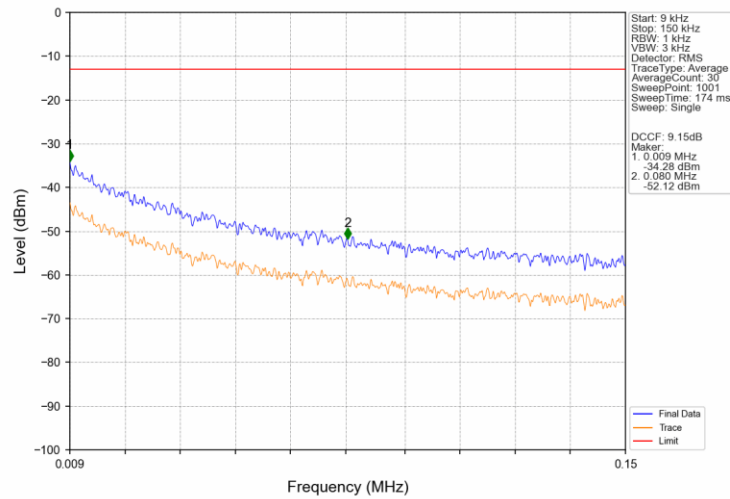
### PCS1900 GSM HCH 1909.8MHz GSM NTN



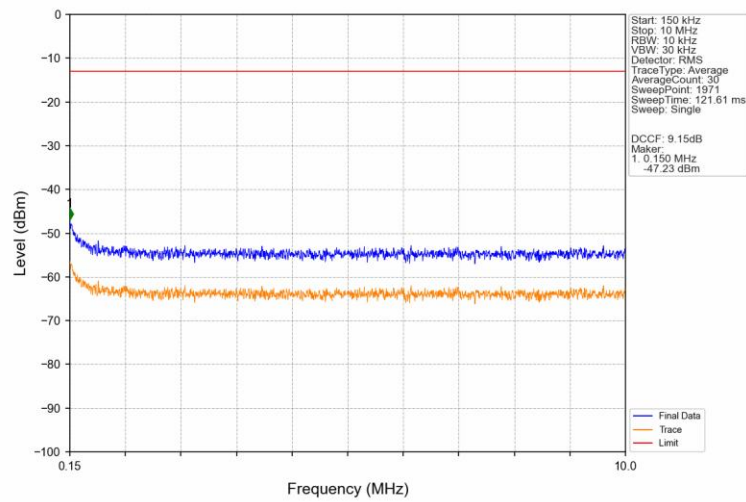
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot NTN



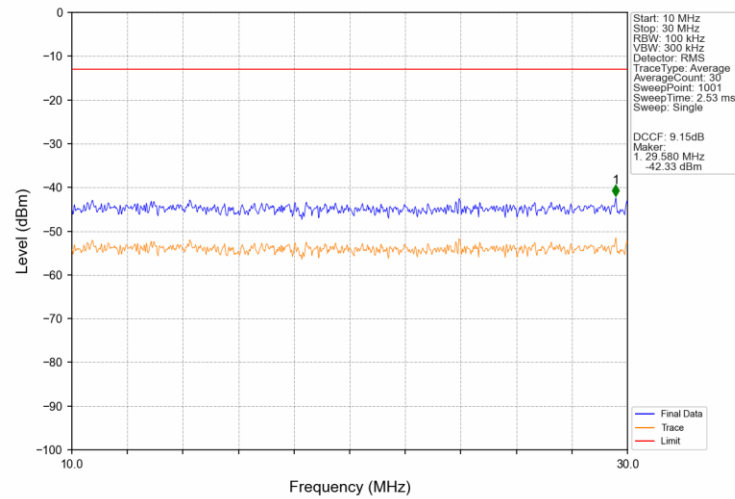
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



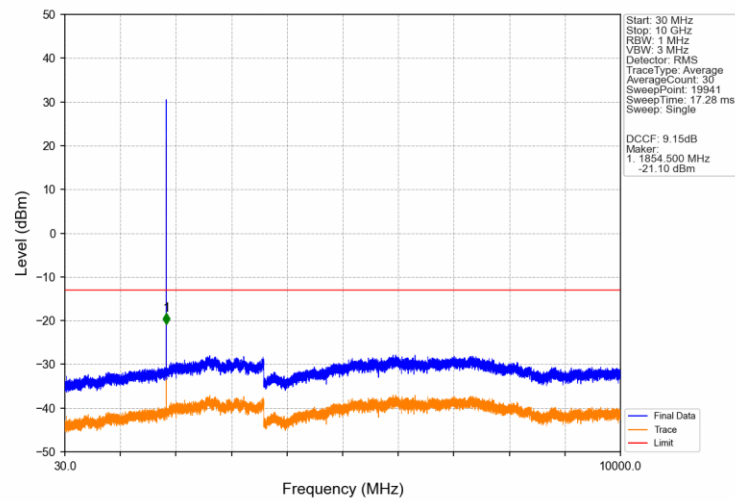
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



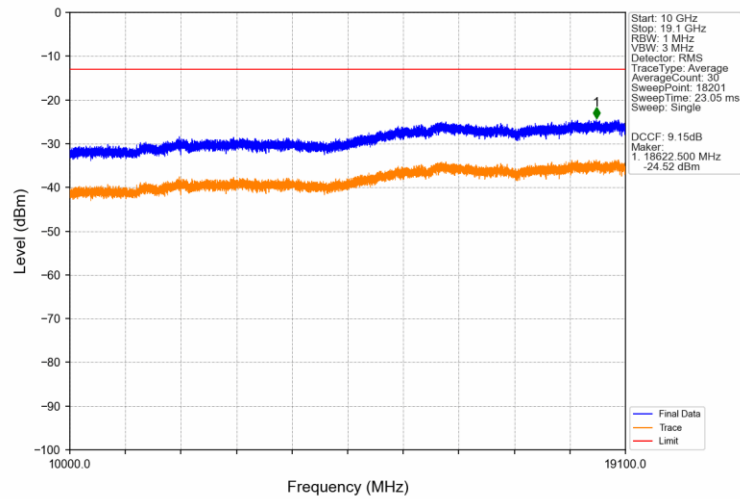
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



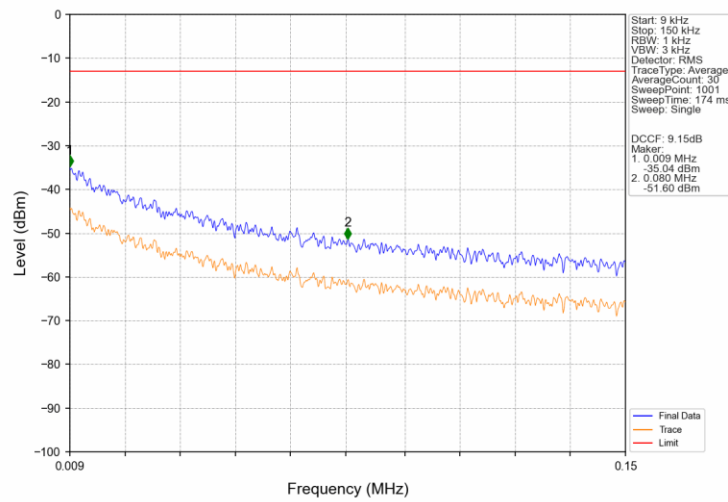
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



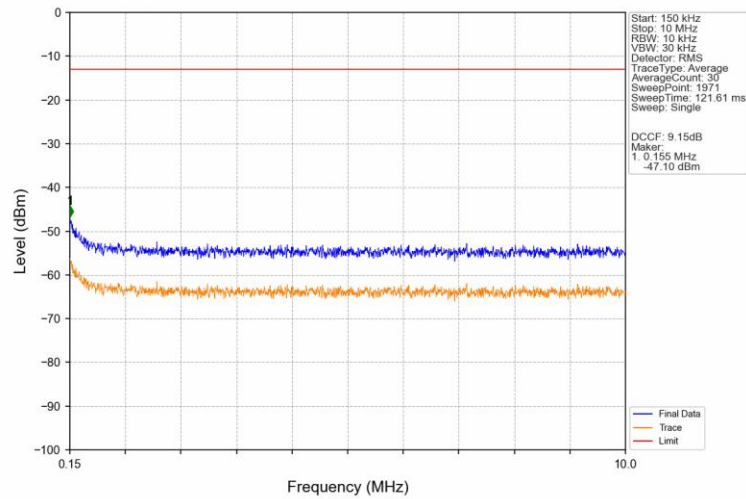
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



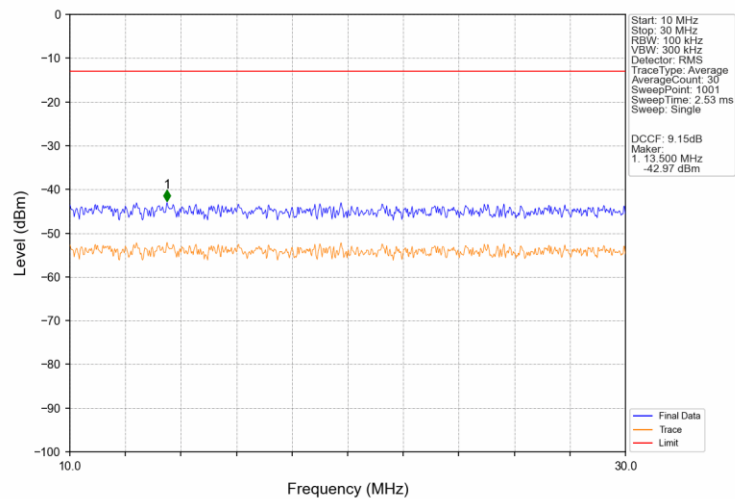
### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



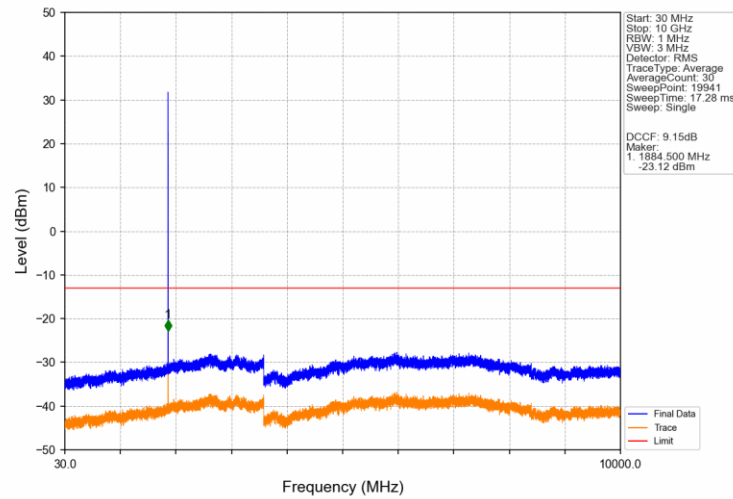
### PCS1900 GPRS MCH 1880MHz 1 TX Slot\_NTNV



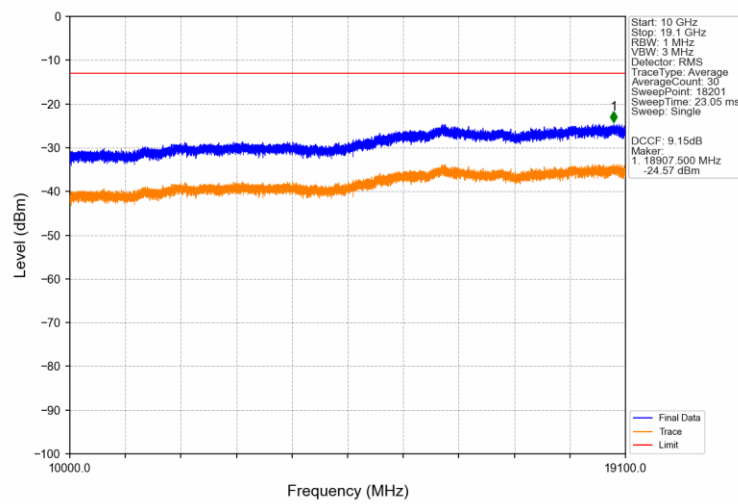
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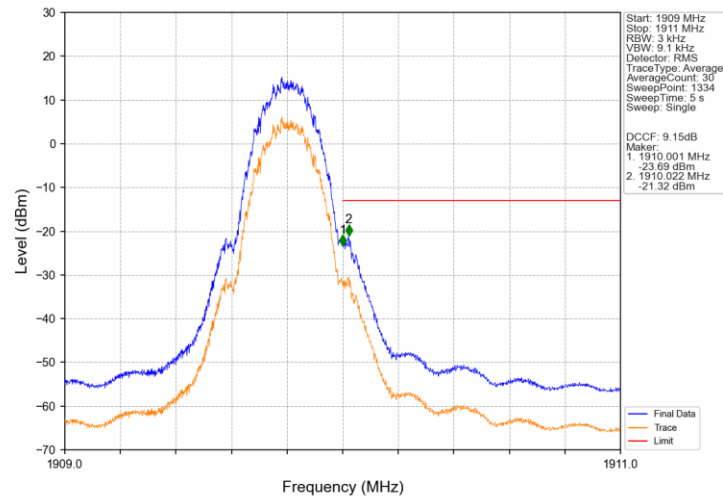
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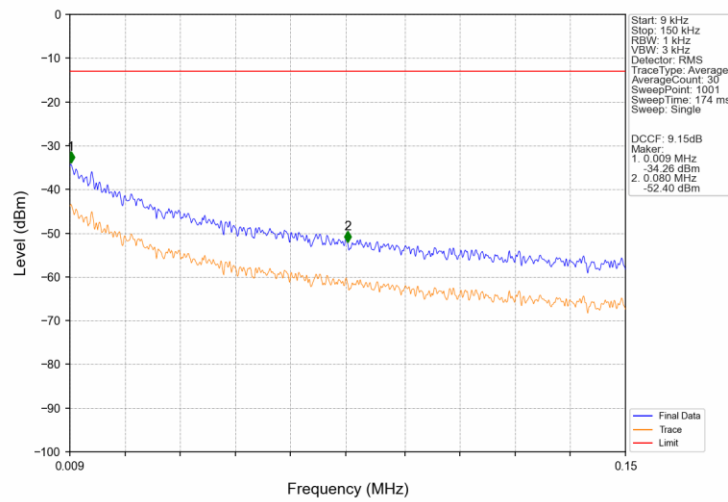
### PCS1900 GPRS MCH 1880MHz 1 TX Slot\_NTNV



### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV

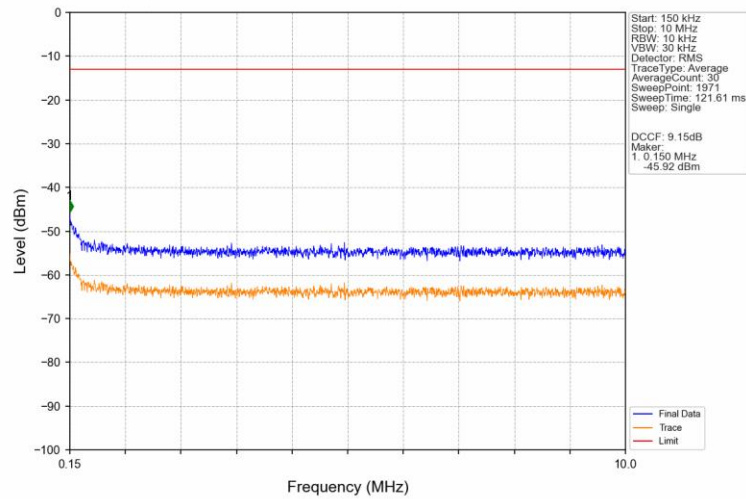


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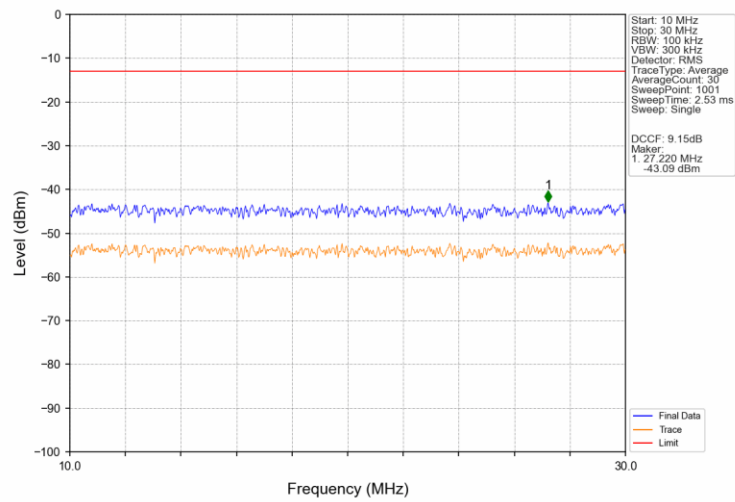




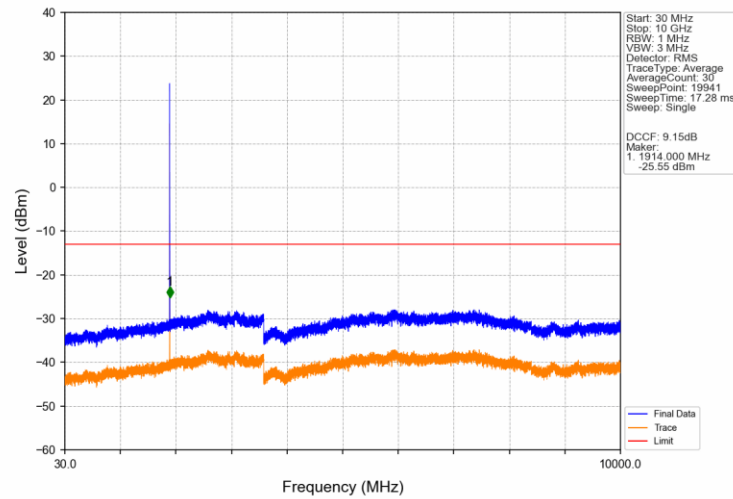
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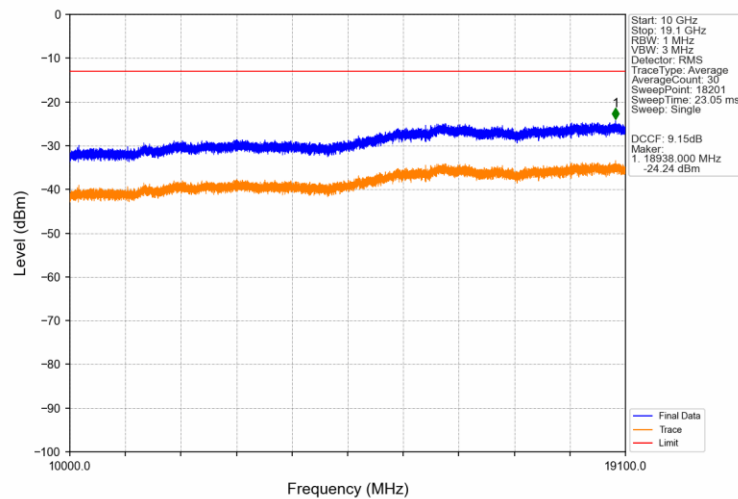
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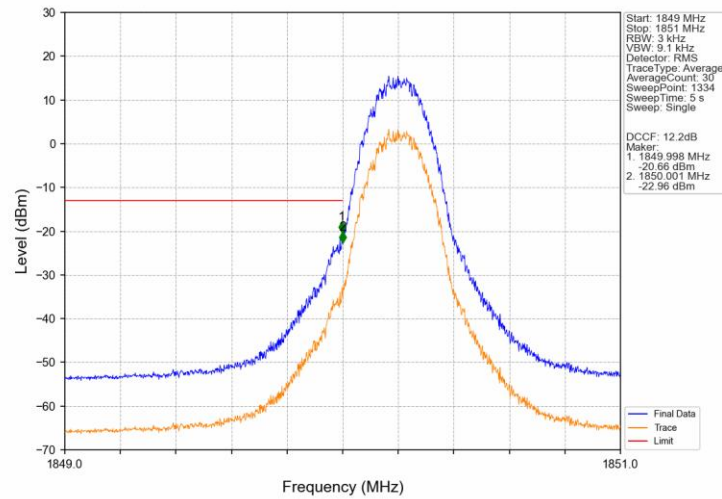
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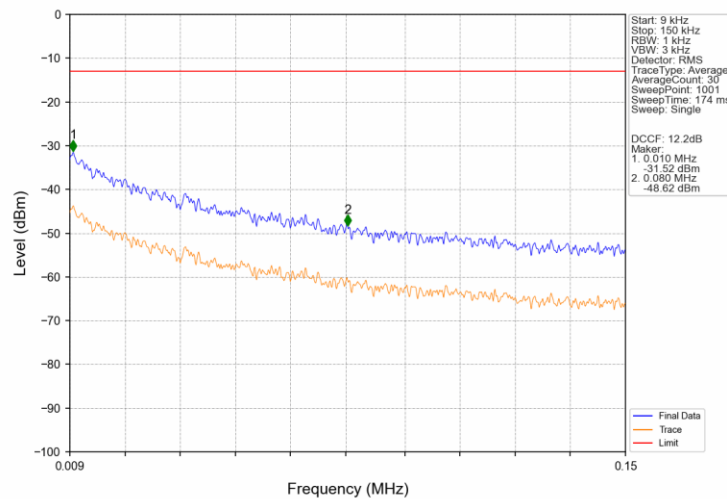
### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



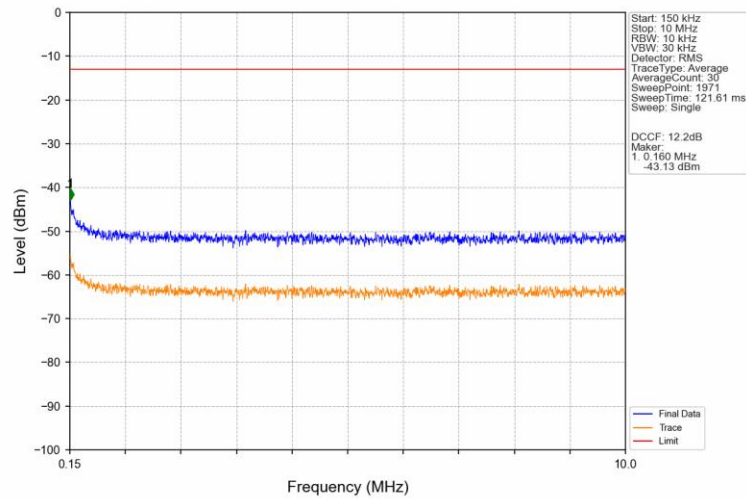
### PCS1900 EGPRS LCH 1850.2MHz 1 TX Slot NTN



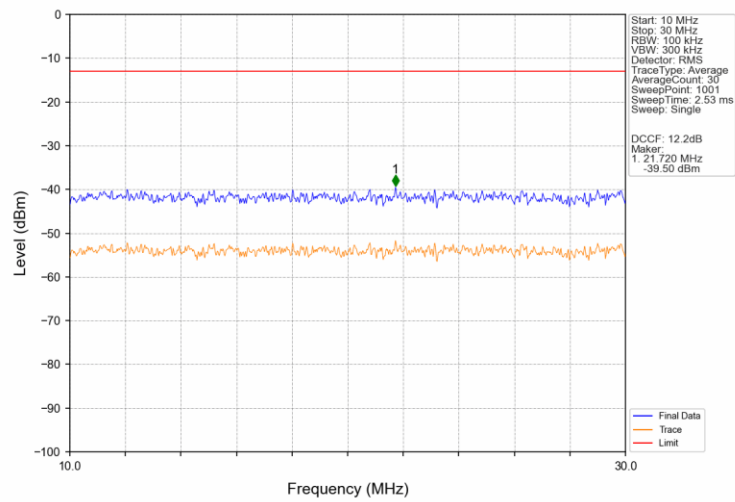
### PCS1900 EGPRS LCH 1850.2MHz 1 TX Slot NTN



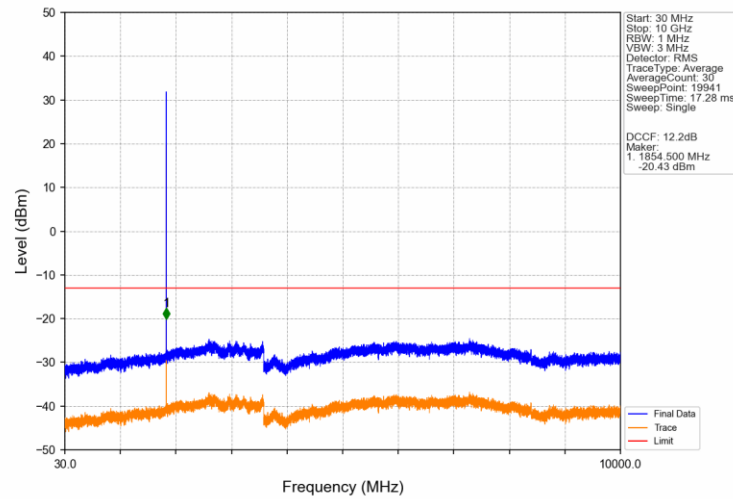
### PCS1900 EGPRS LCH 1850.2MHz 1 TX Slot NTN



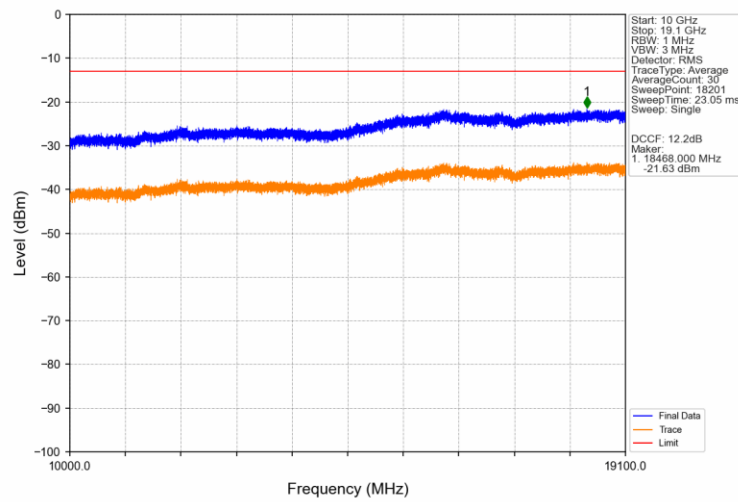
### PCS1900 EGPRS LCH 1850.2MHz 1 TX Slot NTN



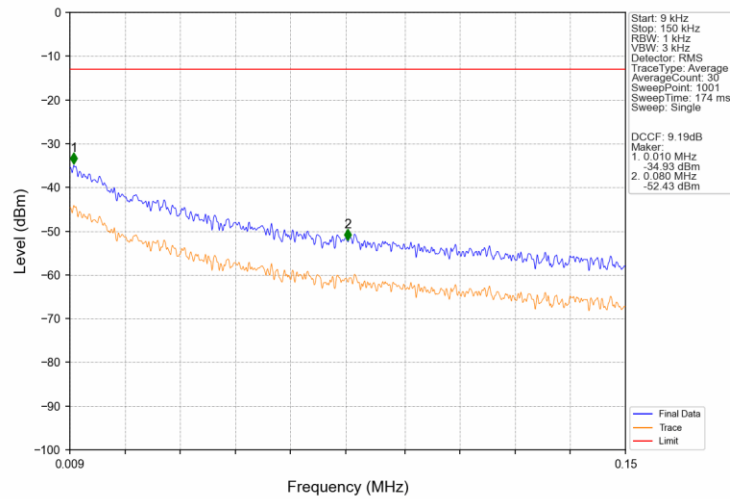
### PCS1900 EGPRS LCH 1850.2MHz 1 TX Slot NTN



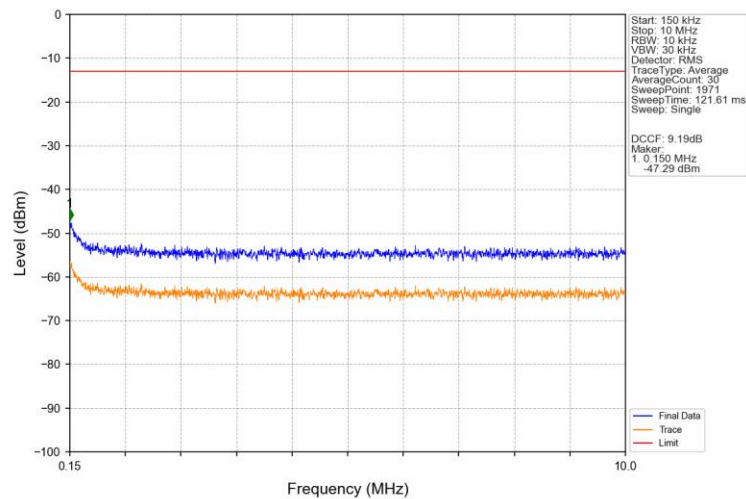
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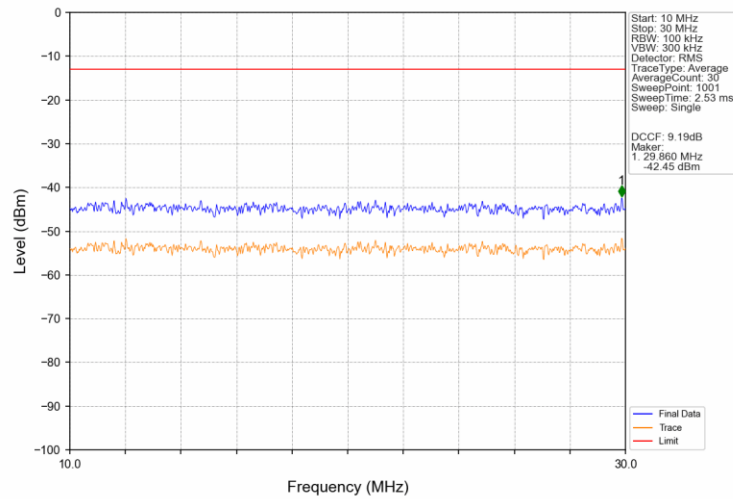
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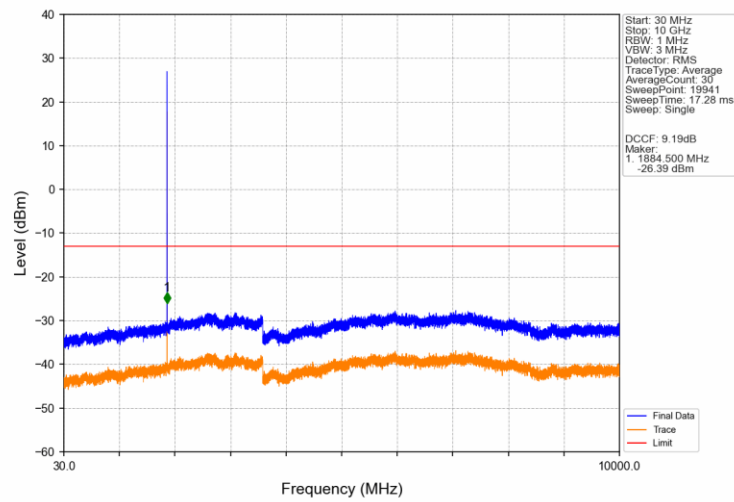
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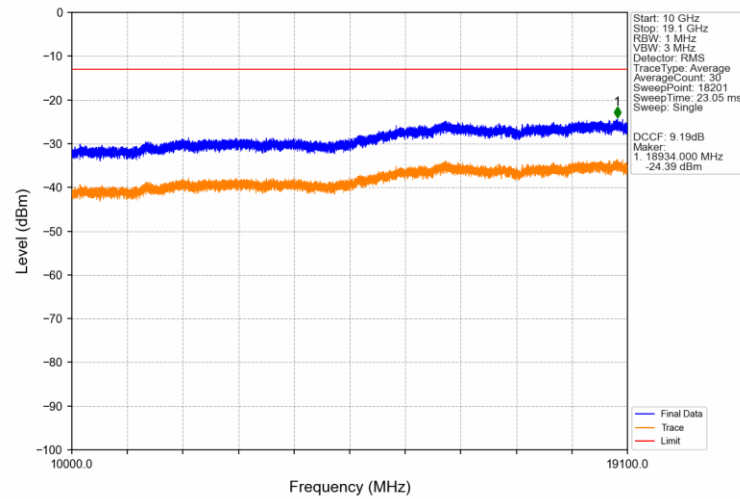
### PCS1900 EGPRS MCH 1880MHz 1 TX Slot NTNV



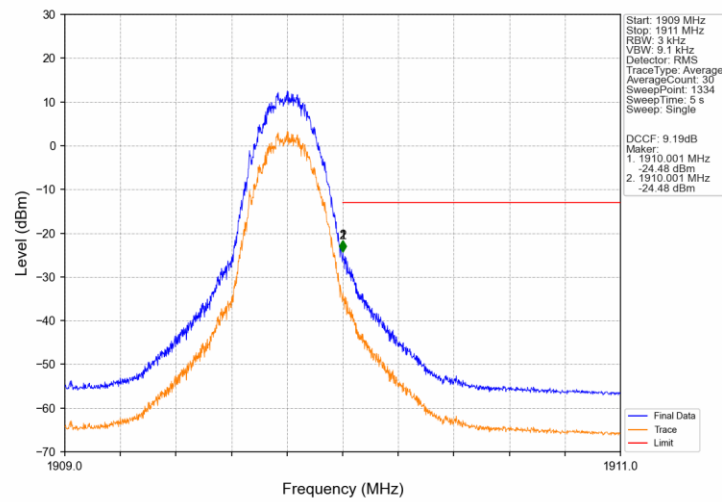
### PCS1900 EGPRS MCH 1880MHz 1 TX Slot NTNV



### PCS1900 EGPRS MCH 1880MHz 1 TX Slot NTN

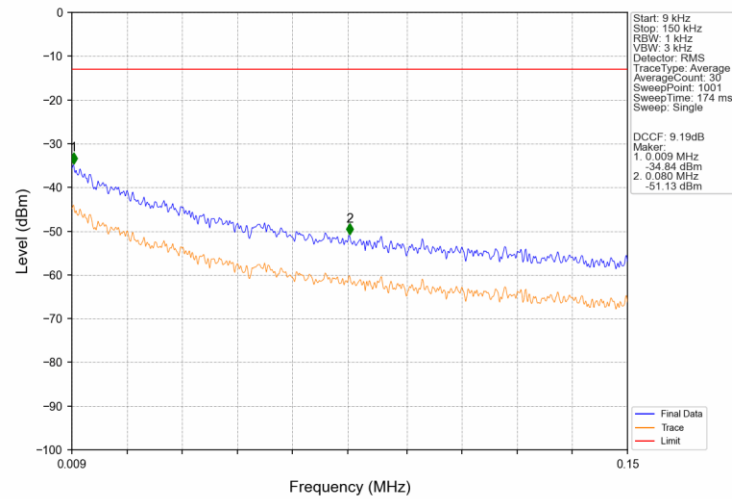


### PCS1900 EGPRS HCH 1909.8MHz 1 TX Slot NTN

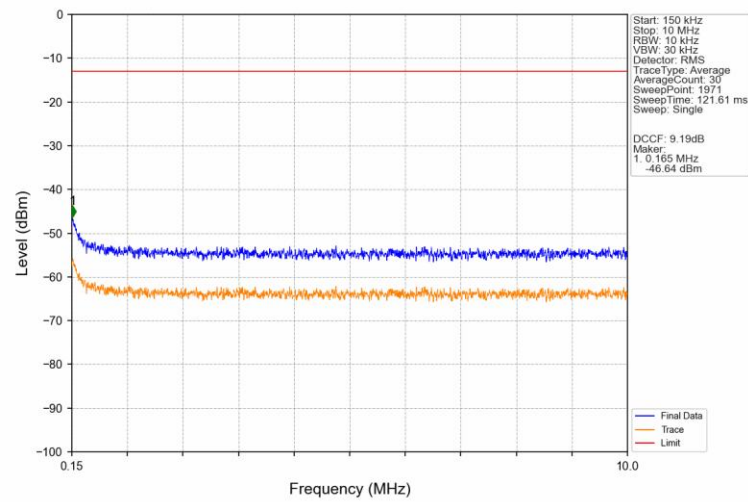




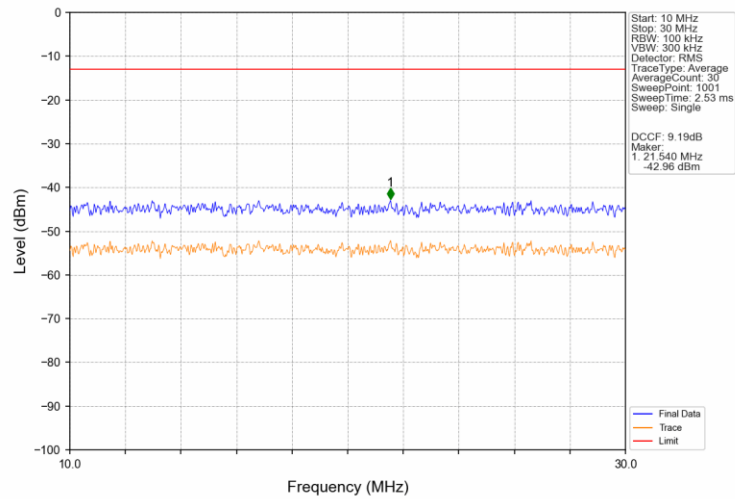
### PCS1900 EGPRS HCH 1909.8MHz 1 TX Slot NTN



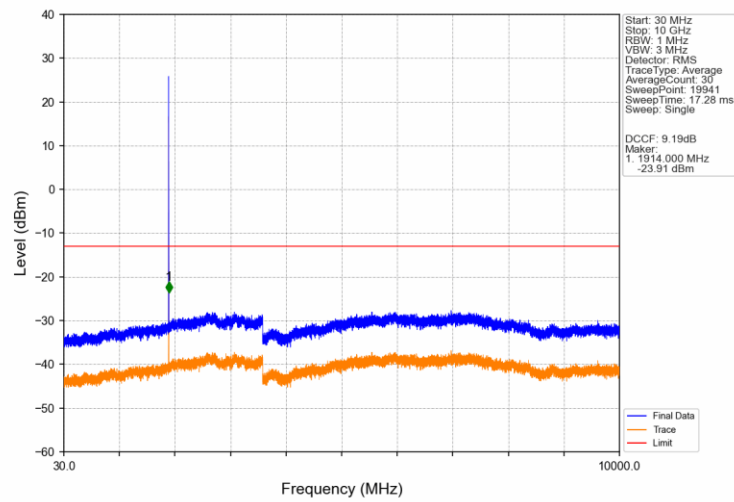
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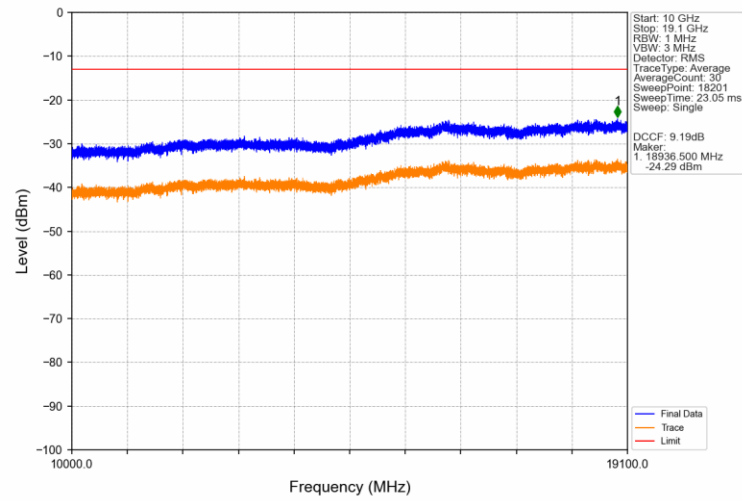
### PCS1900 EGPRS HCH 1909.8MHz 1 TX Slot NTN



### PCS1900 EGPRS HCH 1909.8MHz 1 TX Slot NTN



# PCS1900 EGPRS HCH 1909.8MHz 1 TX Slot NTN



## 7. Form731

### 7.1 Test Result

#### 7.1.1 Form731\_Power

| Band    | BW  | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|---------|-----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| PCS1900 | 0.2 | 1850.2     | 1909.8    | 1.3183        | 0.0275 | ppm    | 248KGXW             | 24E        | 31.20           |
| PCS1900 | 0.2 | 1850.2     | 1909.8    | 0.6607        | 0.0281 | ppm    | 256KG7W             | 24E        | 28.20           |

#### 7.1.2 Form731\_EIRP

| Band    | BW  | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|---------|-----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| PCS1900 | 0.2 | 1850.2     | 1909.8    | 1.0471        | 0.0275 | ppm    | 248KGXW             | 24E        | 30.20           |
| PCS1900 | 0.2 | 1850.2     | 1909.8    | 0.5248        | 0.0281 | ppm    | 256KG7W             | 24E        | 27.20           |

\*\*\*\*\* End of Report \*\*\*\*\*