

## **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          | 29.77                 | 0.70       | 30.47      | <=33.01 | Pass    |
|               |         |            | 1880            | 29.93                 | 0.70       | 30.63      | <=33.01 | Pass    |
|               |         |            | 1909.8          | 29.64                 | 0.70       | 30.34      | <=33.01 | Pass    |
|               | GPRS    | 1 TX Slot  | 1850.2          | 29.80                 | 0.70       | 30.50      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1850.2          | 28.90                 | 0.70       | 29.60      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1850.2          | 26.49                 | 0.70       | 27.19      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1850.2          | 25.37                 | 0.70       | 26.07      | <=33.01 | Pass    |
|               |         | 1 TX Slot  | 1880            | 29.91                 | 0.70       | 30.61      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1880            | 29.15                 | 0.70       | 29.85      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1880            | 26.82                 | 0.70       | 27.52      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1880            | 25.76                 | 0.70       | 26.46      | <=33.01 | Pass    |
|               |         | 1 TX Slot  | 1909.8          | 29.61                 | 0.70       | 30.31      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1909.8          | 28.95                 | 0.70       | 29.65      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1909.8          | 26.95                 | 0.70       | 27.65      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1909.8          | 25.91                 | 0.70       | 26.61      | <=33.01 | Pass    |
|               | EGPRS   | 1 TX Slot  | 1850.2          | 24.99                 | 0.70       | 25.69      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1850.2          | 23.78                 | 0.70       | 24.48      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1850.2          | 21.76                 | 0.70       | 22.46      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1850.2          | 21.94                 | 0.70       | 22.64      | <=33.01 | Pass    |
|               |         | 1 TX Slot  | 1880            | 24.68                 | 0.70       | 25.38      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1880            | 23.65                 | 0.70       | 24.35      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1880            | 21.61                 | 0.70       | 22.31      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1880            | 20.19                 | 0.70       | 20.89      | <=33.01 | Pass    |
|               |         | 1 TX Slot  | 1909.8          | 24.61                 | 0.70       | 25.31      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1909.8          | 23.40                 | 0.70       | 24.10      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1909.8          | 21.36                 | 0.70       | 22.06      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1909.8          | 20.01                 | 0.70       | 20.71      | <=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          | -6.522           | -0.0035               | -2.5 to 2.5 | Pass    |
|               |                 |            | 3.87          | -12.850          | -0.0069               | -2.5 to 2.5 | Pass    |
|               |                 |            | 4.45          | -6.941           | -0.0038               | -2.5 to 2.5 | Pass    |
|               |                 | -30        | 3.87          | -9.072           | -0.0049               | -2.5 to 2.5 | Pass    |
|               |                 | -20        | 3.87          | -5.489           | -0.0030               | -2.5 to 2.5 | Pass    |
|               |                 | -10        | 3.87          | -8.297           | -0.0045               | -2.5 to 2.5 | Pass    |
|               |                 | 0          | 3.87          | -6.651           | -0.0036               | -2.5 to 2.5 | Pass    |
|               |                 | 10         | 3.87          | -12.462          | -0.0067               | -2.5 to 2.5 | Pass    |
|               |                 | 30         | 3.87          | -17.434          | -0.0094               | -2.5 to 2.5 | Pass    |
|               |                 | 40         | 3.87          | -6.974           | -0.0038               | -2.5 to 2.5 | Pass    |
|               |                 | 50         | 3.87          | -15.110          | -0.0082               | -2.5 to 2.5 | Pass    |
|               | 1880            | 20         | 3.29          | -8.717           | -0.0046               | -2.5 to 2.5 | Pass    |
|               |                 |            | 3.87          | -5.844           | -0.0031               | -2.5 to 2.5 | Pass    |
|               |                 |            | 4.45          | -7.781           | -0.0041               | -2.5 to 2.5 | Pass    |
|               |                 | -30        | 3.87          | -10.202          | -0.0054               | -2.5 to 2.5 | Pass    |
|               |                 | -20        | 3.87          | -8.168           | -0.0043               | -2.5 to 2.5 | Pass    |
|               |                 | -10        | 3.87          | -7.393           | -0.0039               | -2.5 to 2.5 | Pass    |
|               |                 | 0          | 3.87          | -7.684           | -0.0041               | -2.5 to 2.5 | Pass    |
|               |                 | 10         | 3.87          | -11.978          | -0.0064               | -2.5 to 2.5 | Pass    |
|               |                 | 30         | 3.87          | -9.524           | -0.0051               | -2.5 to 2.5 | Pass    |
|               |                 | 40         | 3.87          | -9.653           | -0.0051               | -2.5 to 2.5 | Pass    |
|               |                 | 50         | 3.87          | -9.653           | -0.0051               | -2.5 to 2.5 | Pass    |
|               | 1909.8          | 20         | 3.29          | -8.717           | -0.0046               | -2.5 to 2.5 | Pass    |
|               |                 |            | 3.87          | -12.010          | -0.0063               | -2.5 to 2.5 | Pass    |
|               |                 |            | 4.45          | -9.589           | -0.0050               | -2.5 to 2.5 | Pass    |
|               |                 | -30        | 3.87          | -12.462          | -0.0065               | -2.5 to 2.5 | Pass    |
|               |                 | -20        | 3.87          | -9.137           | -0.0048               | -2.5 to 2.5 | Pass    |
|               |                 | -10        | 3.87          | -9.557           | -0.0050               | -2.5 to 2.5 | Pass    |
|               |                 | 0          | 3.87          | -8.879           | -0.0046               | -2.5 to 2.5 | Pass    |
|               |                 | 10         | 3.87          | -11.913          | -0.0062               | -2.5 to 2.5 | Pass    |
|               |                 | 30         | 3.87          | -8.265           | -0.0043               | -2.5 to 2.5 | Pass    |
|               |                 | 40         | 3.87          | -2.873           | -0.0015               | -2.5 to 2.5 | Pass    |
|               |                 | 50         | 3.87          | -9.105           | -0.0048               | -2.5 to 2.5 | Pass    |
| GPRS          | 1850.2          | 20         | 3.29          | -8.523           | -0.0046               | -2.5 to 2.5 | Pass    |
|               |                 |            | 3.87          | -13.689          | -0.0074               | -2.5 to 2.5 | Pass    |
|               |                 |            | 4.45          | -5.101           | -0.0028               | -2.5 to 2.5 | Pass    |
|               |                 | -30        | 3.87          | -13.108          | -0.0071               | -2.5 to 2.5 | Pass    |
|               |                 | -20        | 3.87          | -8.297           | -0.0045               | -2.5 to 2.5 | Pass    |
|               |                 | -10        | 3.87          | -11.268          | -0.0061               | -2.5 to 2.5 | Pass    |
|               |                 | 0          | 3.87          | -9.169           | -0.0050               | -2.5 to 2.5 | Pass    |
|               |                 | 10         | 3.87          | -18.532          | -0.0100               | -2.5 to 2.5 | Pass    |
|               |                 | 30         | 3.87          | -11.623          | -0.0063               | -2.5 to 2.5 | Pass    |
|               |                 | 40         | 3.87          | -6.780           | -0.0037               | -2.5 to 2.5 | Pass    |
|               |                 | 50         | 3.87          | -11.494          | -0.0062               | -2.5 to 2.5 | Pass    |
|               | 1880            | 20         | 3.29          | -11.074          | -0.0059               | -2.5 to 2.5 | Pass    |
|               |                 |            | 3.87          | -7.523           | -0.0040               | -2.5 to 2.5 | Pass    |
|               |                 |            | 4.45          | -8.071           | -0.0043               | -2.5 to 2.5 | Pass    |
|               |                 | -30        | 3.87          | -9.169           | -0.0049               | -2.5 to 2.5 | Pass    |
|               |                 | -20        | 3.87          | -5.973           | -0.0032               | -2.5 to 2.5 | Pass    |
|               |                 | -10        | 3.87          | -3.358           | -0.0018               | -2.5 to 2.5 | Pass    |

|       |        |     |      |         |         |             |      |
|-------|--------|-----|------|---------|---------|-------------|------|
|       |        | 0   | 3.87 | -13.657 | -0.0073 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.87 | -15.336 | -0.0082 | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.87 | -11.591 | -0.0062 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.87 | -7.781  | -0.0041 | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.87 | -9.686  | -0.0052 | -2.5 to 2.5 | Pass |
|       | 1909.8 | 20  | 3.29 | -11.881 | -0.0062 | -2.5 to 2.5 | Pass |
|       |        |     | 3.87 | -11.913 | -0.0062 | -2.5 to 2.5 | Pass |
|       |        |     | 4.45 | -10.816 | -0.0057 | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.87 | -12.591 | -0.0066 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.87 | -10.105 | -0.0053 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.87 | -12.721 | -0.0067 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.87 | -12.010 | -0.0063 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.87 | -13.689 | -0.0072 | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.87 | -9.072  | -0.0048 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.87 | -10.751 | -0.0056 | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.87 | -16.401 | -0.0086 | -2.5 to 2.5 | Pass |
| EGPRS | 1850.2 | 20  | 3.29 | -30.510 | -0.0165 | -2.5 to 2.5 | Pass |
|       |        |     | 3.87 | -23.569 | -0.0127 | -2.5 to 2.5 | Pass |
|       |        |     | 4.45 | -19.888 | -0.0107 | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.87 | -23.052 | -0.0125 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.87 | -17.402 | -0.0094 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.87 | -24.021 | -0.0130 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.87 | -19.598 | -0.0106 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.87 | -27.314 | -0.0148 | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.87 | -16.530 | -0.0089 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.87 | -25.764 | -0.0139 | -2.5 to 2.5 | Pass |
|       | 1880   | 20  | 3.29 | -23.407 | -0.0125 | -2.5 to 2.5 | Pass |
|       |        |     | 3.87 | -20.760 | -0.0110 | -2.5 to 2.5 | Pass |
|       |        |     | 4.45 | -21.438 | -0.0114 | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.87 | -24.860 | -0.0132 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.87 | -21.341 | -0.0114 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.87 | -17.725 | -0.0094 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.87 | -19.113 | -0.0102 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.87 | -24.860 | -0.0132 | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.87 | -23.020 | -0.0122 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.87 | -21.147 | -0.0112 | -2.5 to 2.5 | Pass |
|       | 1909.8 | 20  | 3.29 | -19.727 | -0.0103 | -2.5 to 2.5 | Pass |
|       |        |     | 3.87 | -19.727 | -0.0103 | -2.5 to 2.5 | Pass |
|       |        |     | 4.45 | -21.147 | -0.0111 | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.87 | -22.180 | -0.0116 | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.87 | -20.889 | -0.0109 | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.87 | -18.177 | -0.0095 | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.87 | -18.145 | -0.0095 | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.87 | -27.604 | -0.0145 | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.87 | -19.533 | -0.0102 | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.87 | -19.178 | -0.0100 | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.87 | -27.346 | -0.0143 | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

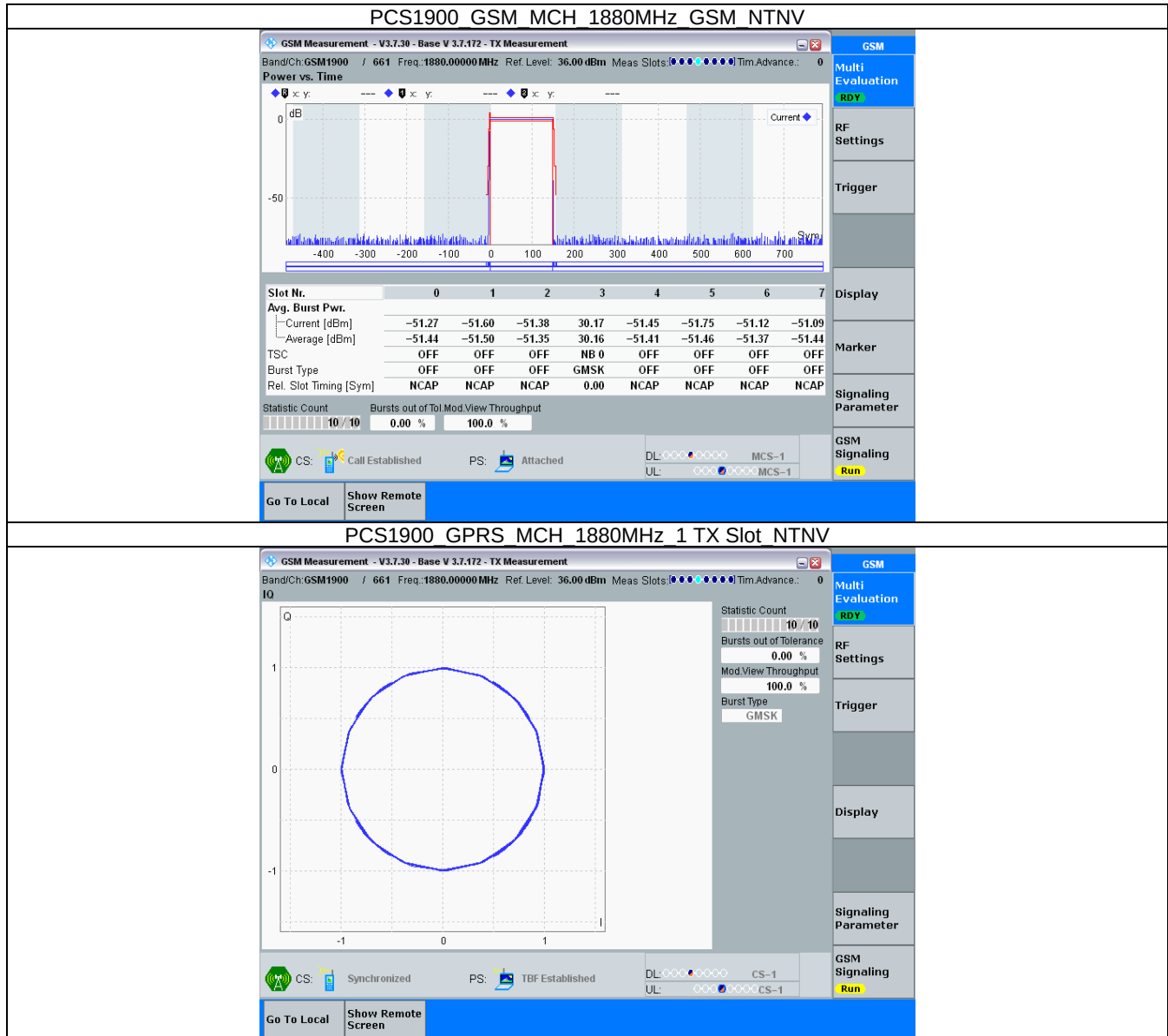
#### 3.1 Test Result

##### 3.1.1 PCS1900

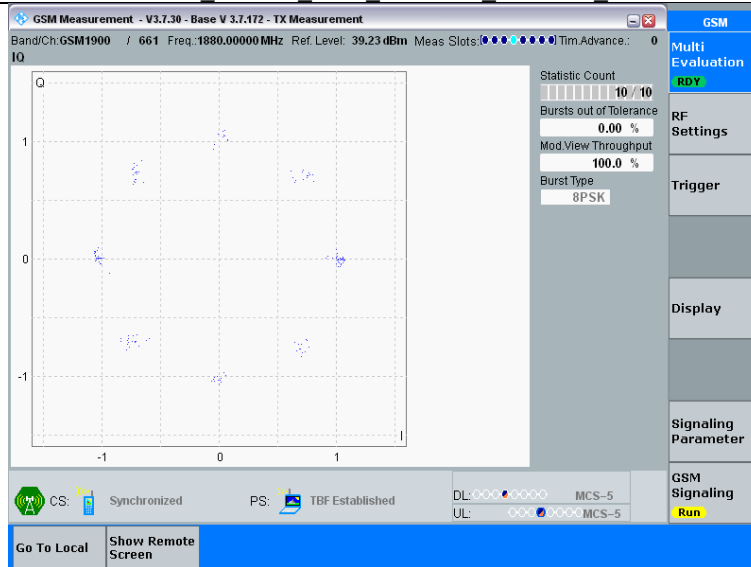
| Band: PCS1900 |         |           |                    |                            |       |         |
|---------------|---------|-----------|--------------------|----------------------------|-------|---------|
| ENV           | Mode    |           | Frequency<br>(MHz) | Modulation Characteristics |       | 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

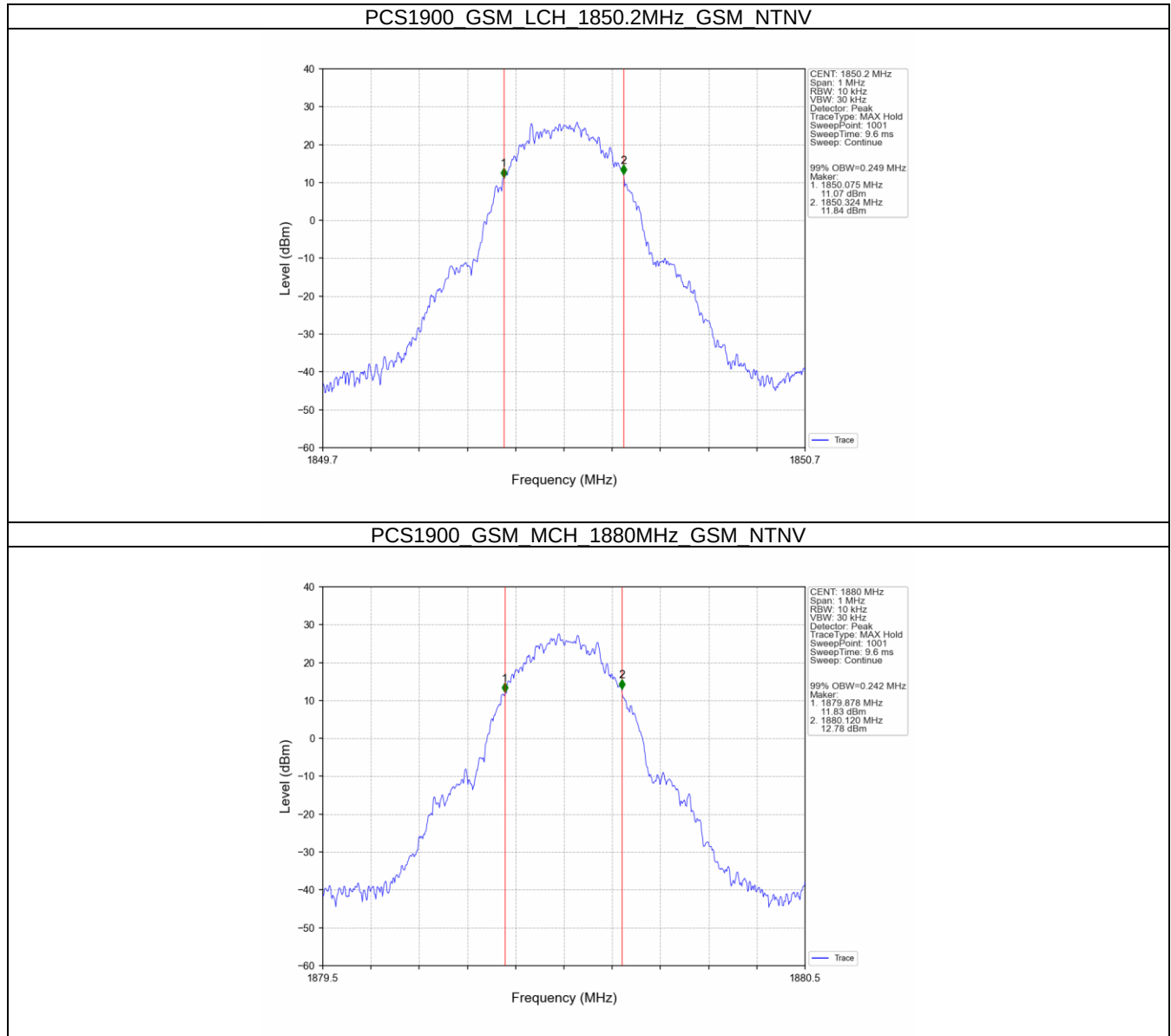
| Band: PCS1900 |         |           |                 |                              |       |         |
|---------------|---------|-----------|-----------------|------------------------------|-------|---------|
| ENV           | Mode    |           | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |       | Verdict |
|               | Network | Subset    |                 | Result                       | Limit |         |
| NTNV          | GSM     | GSM       | 1850.2          | 0.249                        | /     | Pass    |
|               |         |           | 1880            | 0.242                        | /     | Pass    |
|               |         |           | 1909.8          | 0.249                        | /     | Pass    |
|               | GPRS    | 1 TX Slot | 1850.2          | 0.245                        | /     | Pass    |
|               |         |           | 1880            | 0.242                        | /     | Pass    |
|               |         |           | 1909.8          | 0.246                        | /     | Pass    |
|               | EGPRS   | 1 TX Slot | 1850.2          | 0.241                        | /     | Pass    |
|               |         |           | 1880            | 0.244                        | /     | Pass    |
|               |         |           | 1909.8          | 0.248                        | /     | Pass    |

#### 4.1.2 PCS1900\_XDB

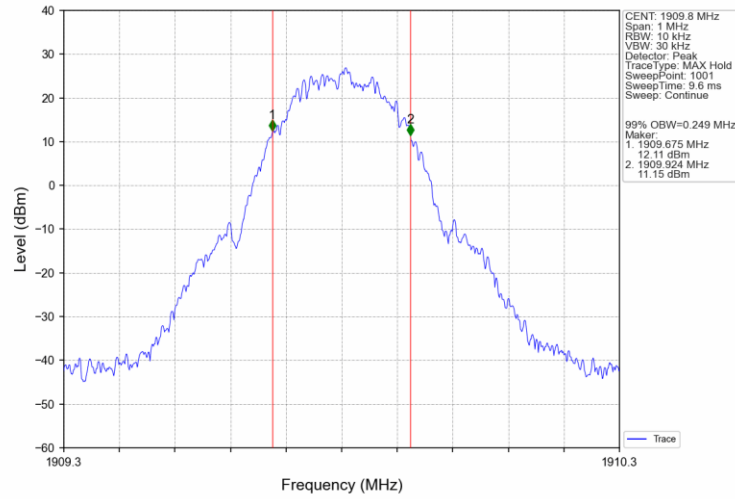
| Band: PCS1900 |         |           |                 |                      |       |         |
|---------------|---------|-----------|-----------------|----------------------|-------|---------|
| ENV           | Mode    |           | Frequency (MHz) | 26dB Bandwidth (MHz) |       | Verdict |
|               | Network | Subset    |                 | Result               | Limit |         |
| NTNV          | GSM     | GSM       | 1850.2          | 0.321                | /     | Pass    |
|               |         |           | 1880            | 0.314                | /     | Pass    |
|               |         |           | 1909.8          | 0.319                | /     | Pass    |
|               | GPRS    | 1 TX Slot | 1850.2          | 0.310                | /     | Pass    |
|               |         |           | 1880            | 0.304                | /     | Pass    |
|               |         |           | 1909.8          | 0.307                | /     | Pass    |
|               | EGPRS   | 1 TX Slot | 1850.2          | 0.307                | /     | Pass    |
|               |         |           | 1880            | 0.308                | /     | Pass    |
|               |         |           | 1909.8          | 0.312                | /     | Pass    |

## 4.2 Test Graph

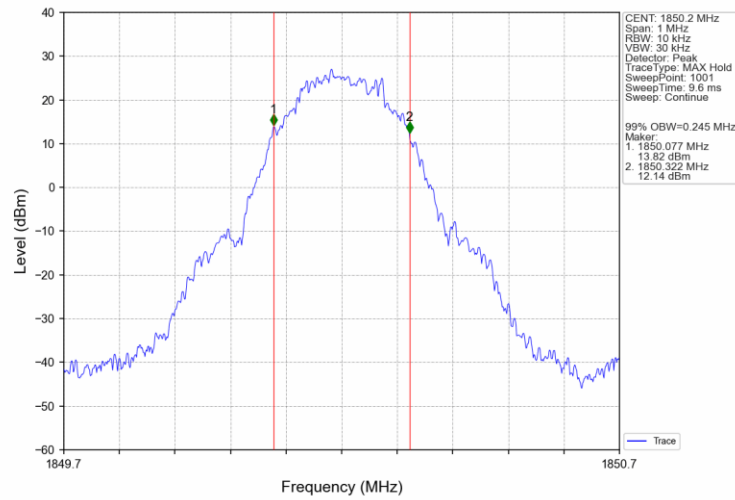
### 4.2.1 PCS1900\_OBW



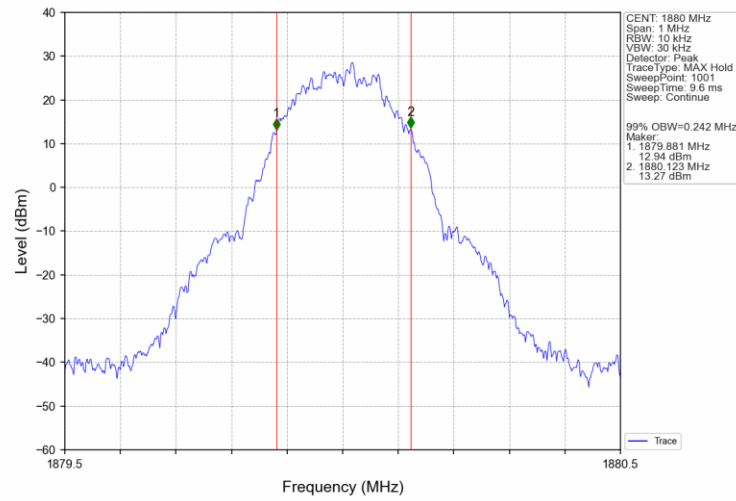
### PCS1900\_GSM\_HCH\_1909.8MHz\_GSM\_NTNV



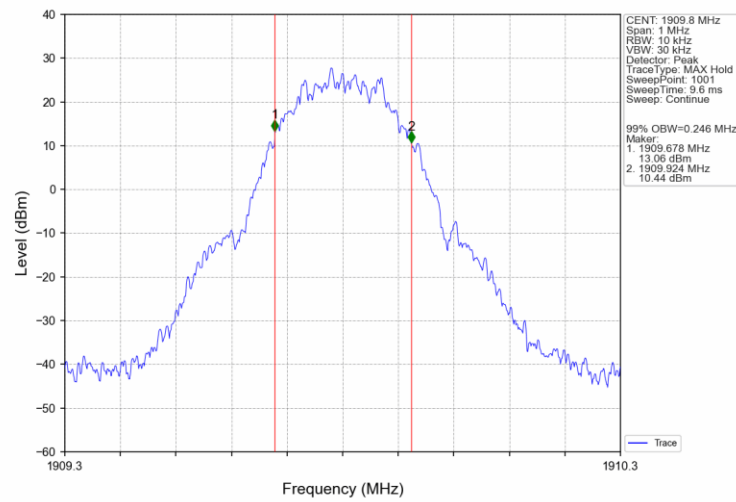
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



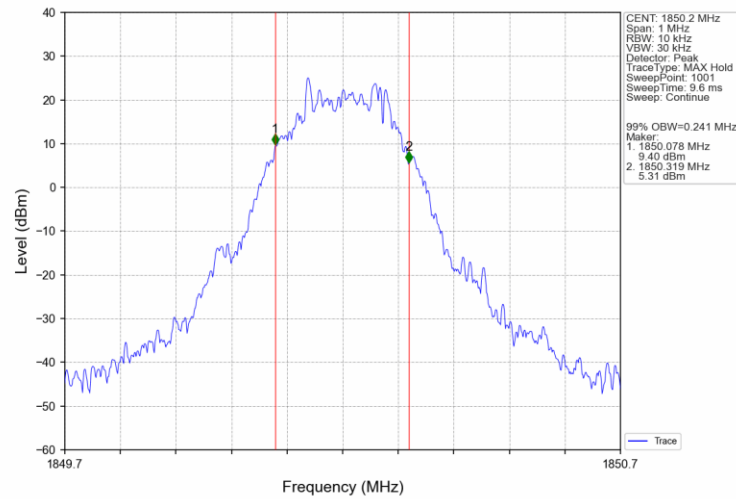
### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



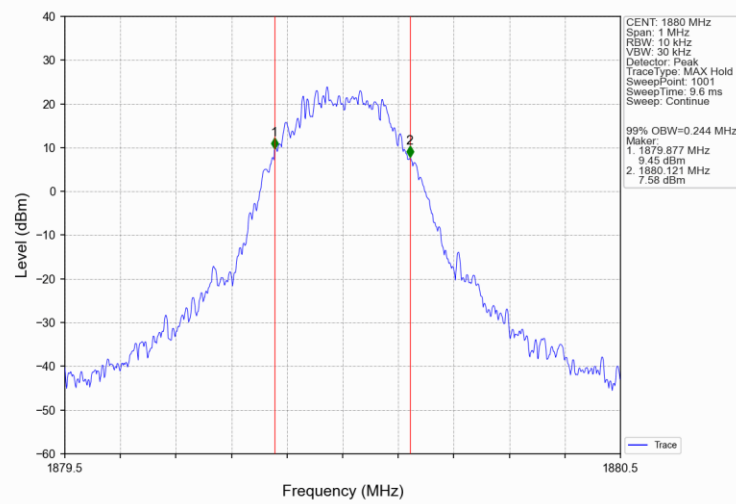
### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



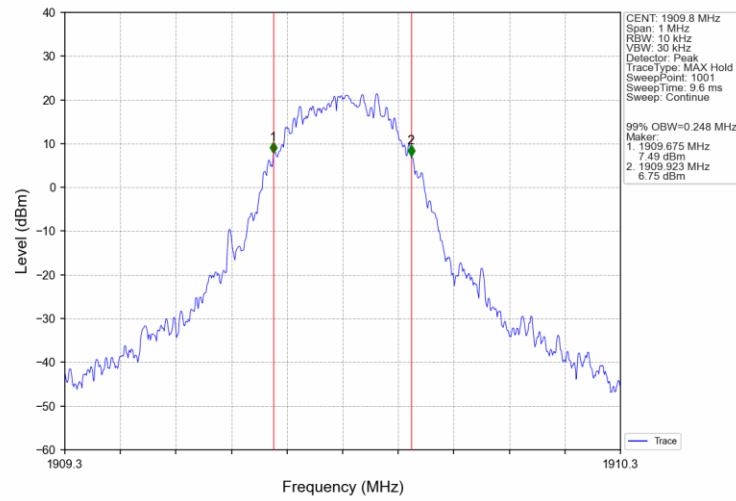
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



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

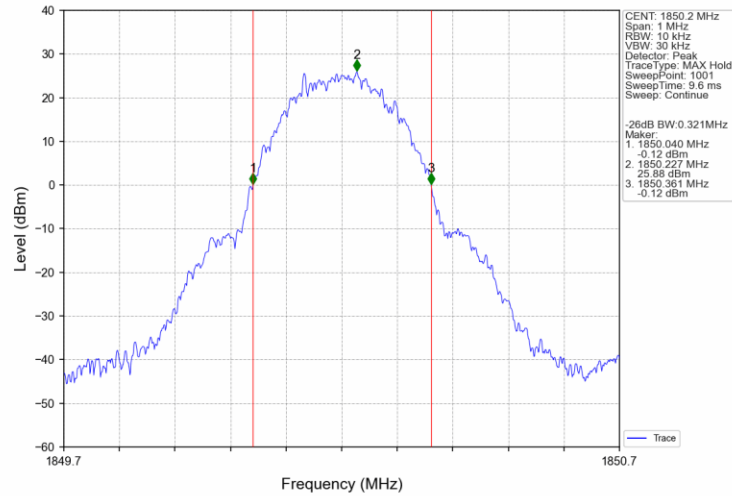


# PCS1900\_EGPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV

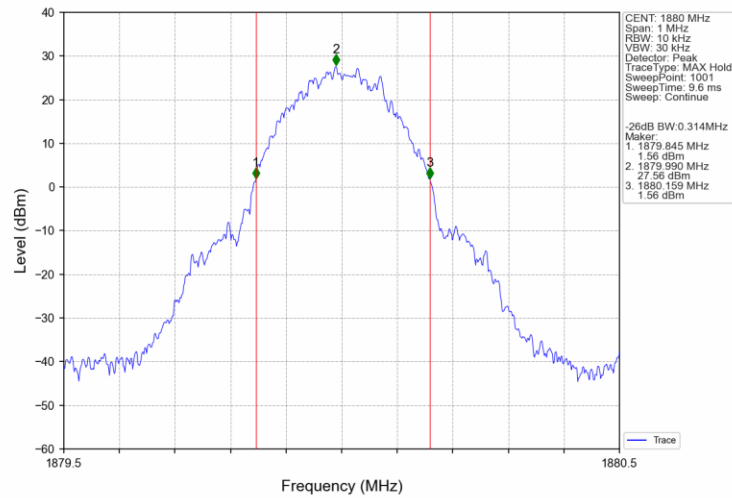


#### 4.2.2 PCS1900\_XDB

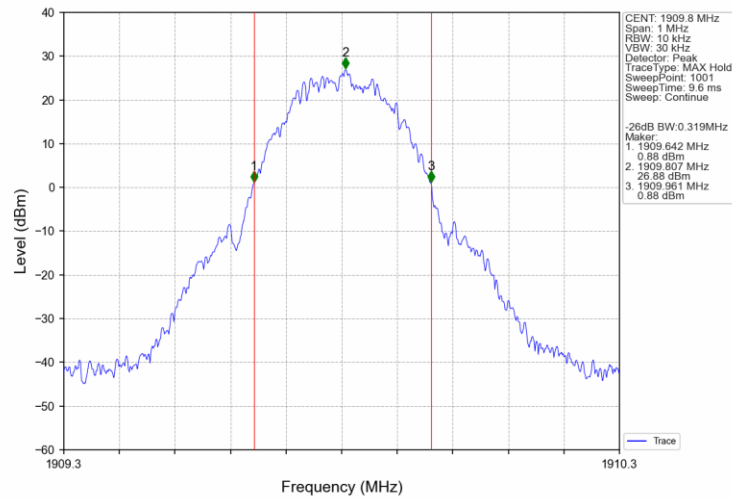
PCS1900 GSM LCH 1850.2MHz GSM NTN



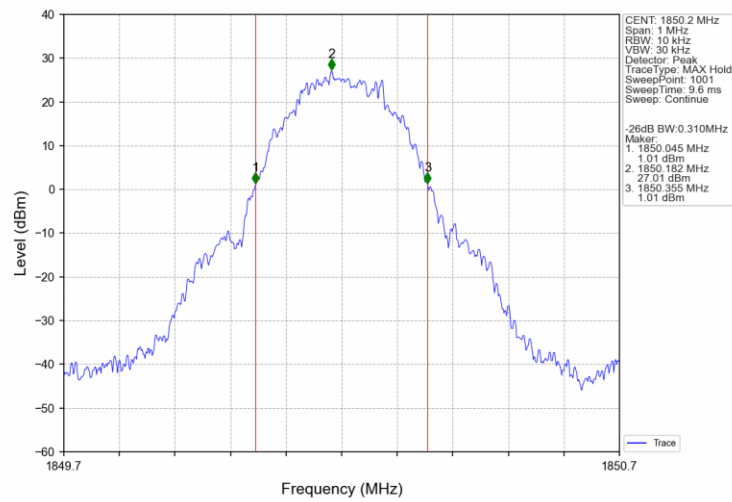
PCS1900 GSM MCH 1880MHz GSM NTN



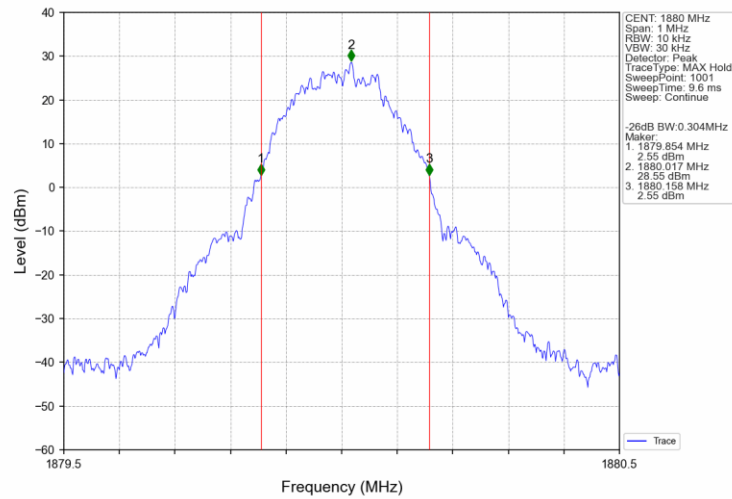
### PCS1900\_GSM\_HCH\_1909.8MHz\_GSM\_NTNV



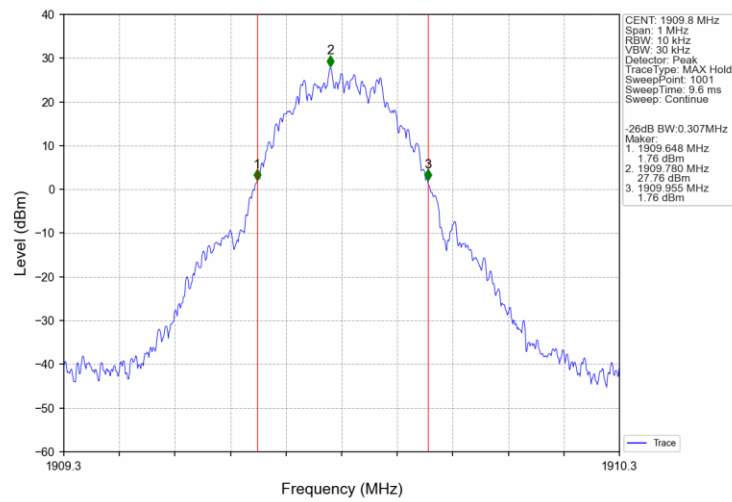
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



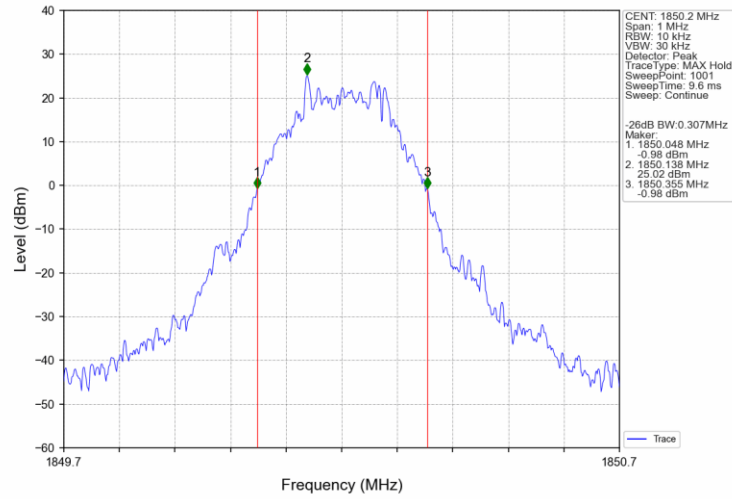
### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



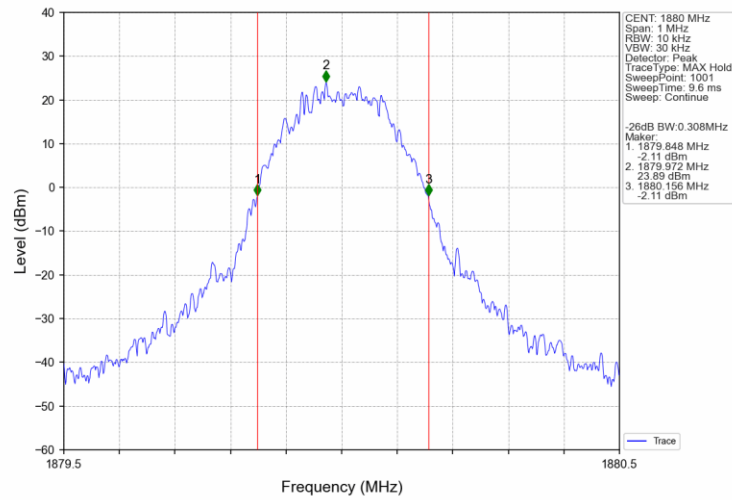
### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



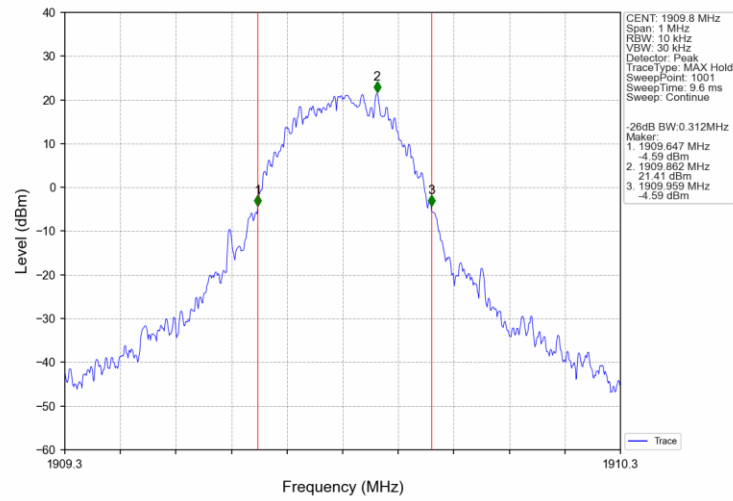
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



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



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



## 5. Peak-Average Ratio

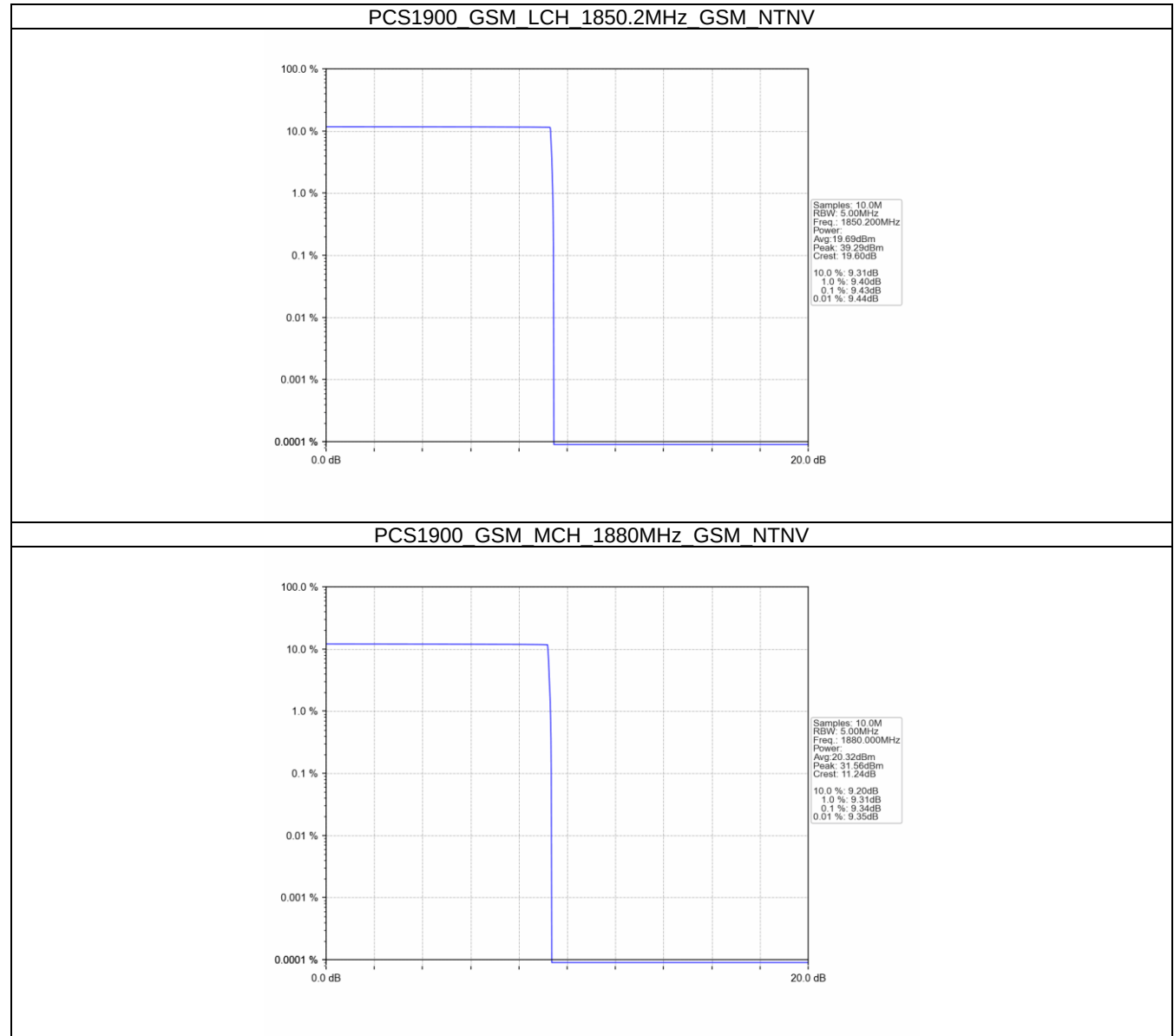
### 5.1 Test Result

#### 5.1.1 PCS1900

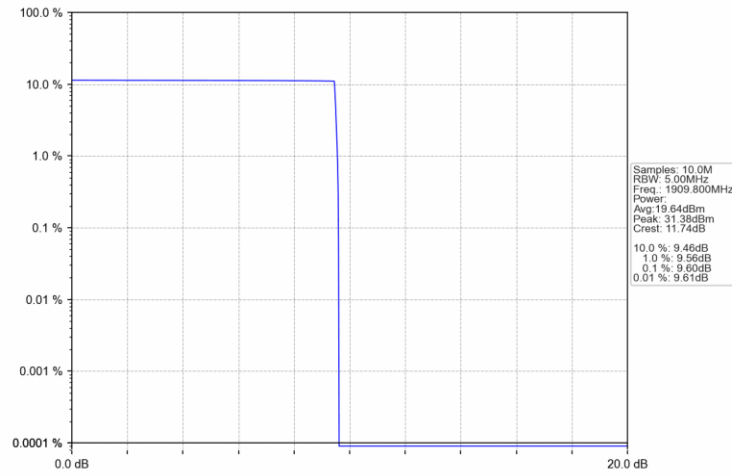
| Band: PCS1900 |         |            |                 |                         |       |         |
|---------------|---------|------------|-----------------|-------------------------|-------|---------|
| ENV           | Mode    |            | Frequency (MHz) | Peak-Average Ratio (dB) |       | Verdict |
|               | Network | Subset     |                 | Result                  | Limit |         |
| NTNV          | GSM     | GSM        | 1850.2          | 9.43                    | <=13  | Pass    |
|               |         |            | 1880            | 9.34                    | <=13  | Pass    |
|               |         |            | 1909.8          | 9.60                    | <=13  | Pass    |
|               | GPRS    | 4 TX Slots | 1850.2          | 3.58                    | <=13  | Pass    |
|               |         |            | 1880            | 3.75                    | <=13  | Pass    |
|               |         |            | 1909.8          | 3.76                    | <=13  | Pass    |
|               | EGPRS   | 4 TX Slots | 1850.2          | 9.41                    | <=13  | Pass    |
|               |         |            | 1880            | 9.76                    | <=13  | Pass    |
|               |         |            | 1909.8          | 9.92                    | <=13  | Pass    |

## 5.2 Test Graph

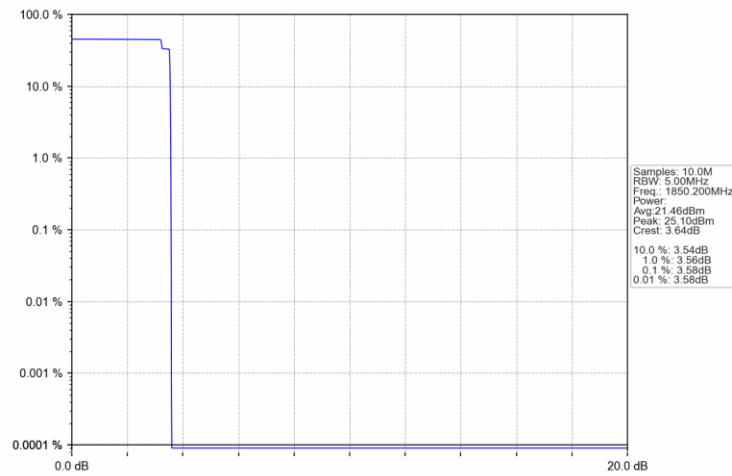
### 5.2.1 PCS1900



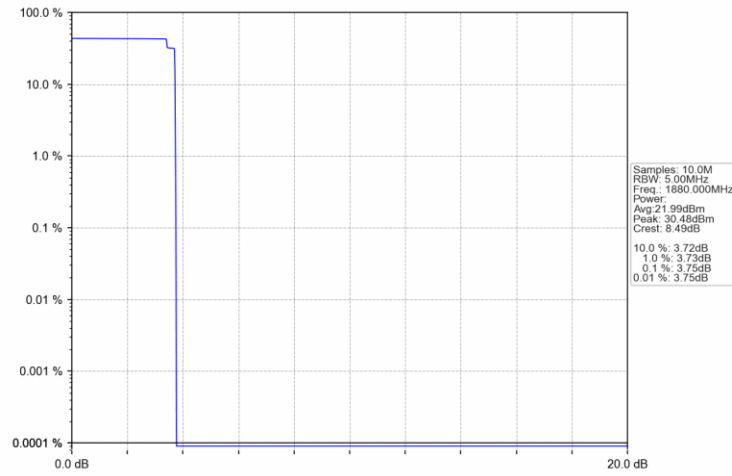
### PCS1900 GSM\_HCH\_1909.8MHz\_GSM\_NTNV



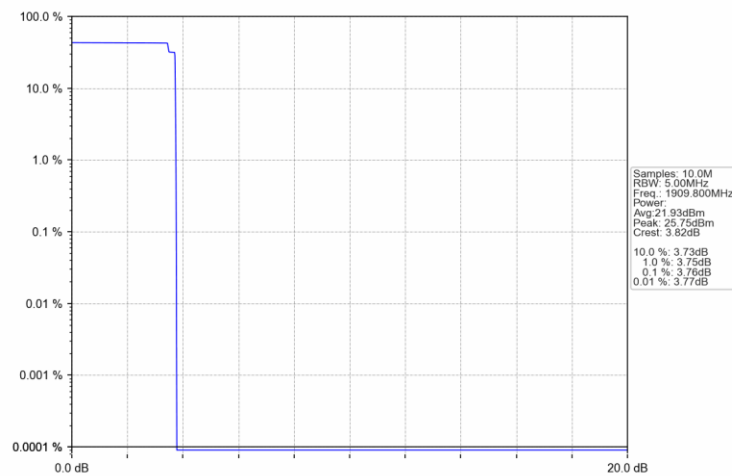
### PCS1900 GPRS\_LCH\_1850.2MHz\_4 TX Slots\_NTNV



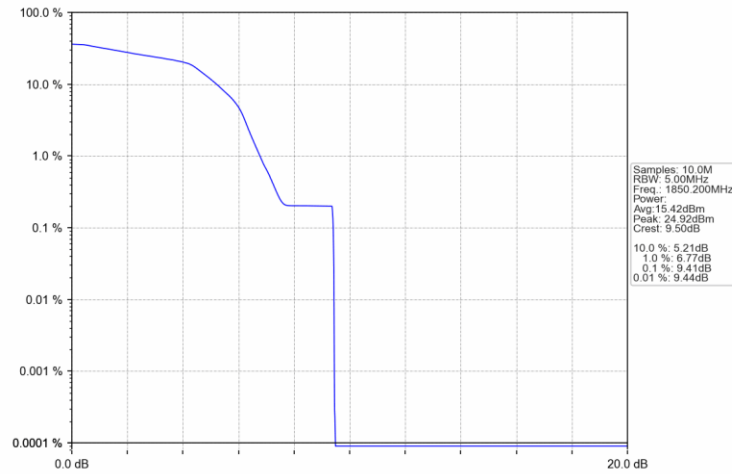
### PCS1900\_GPRS\_MCH\_1880MHz\_4 TX Slots\_NTNV



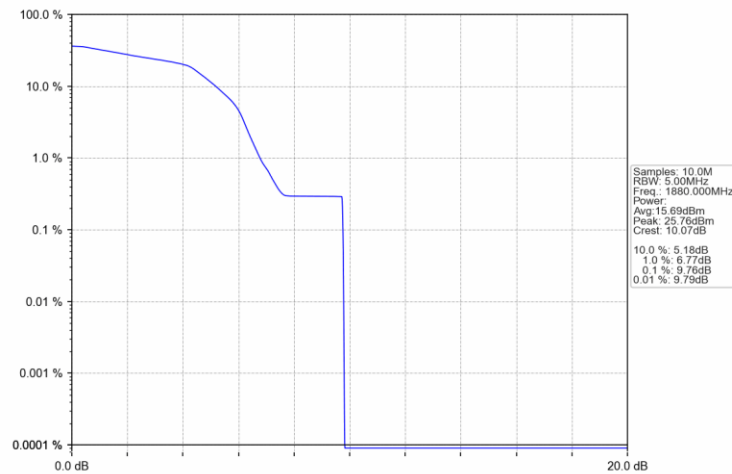
### PCS1900\_GPRS\_HCH\_1909.8MHz\_4 TX Slots\_NTNV



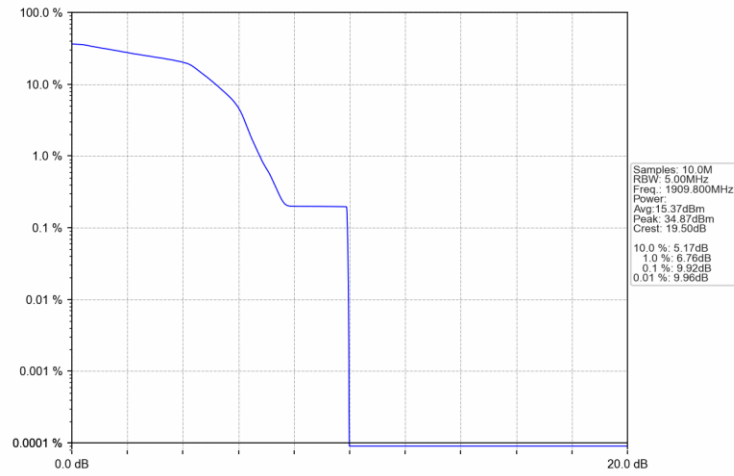
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_4 TX Slots\_NTNV



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



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



## 6. Spurious Emission

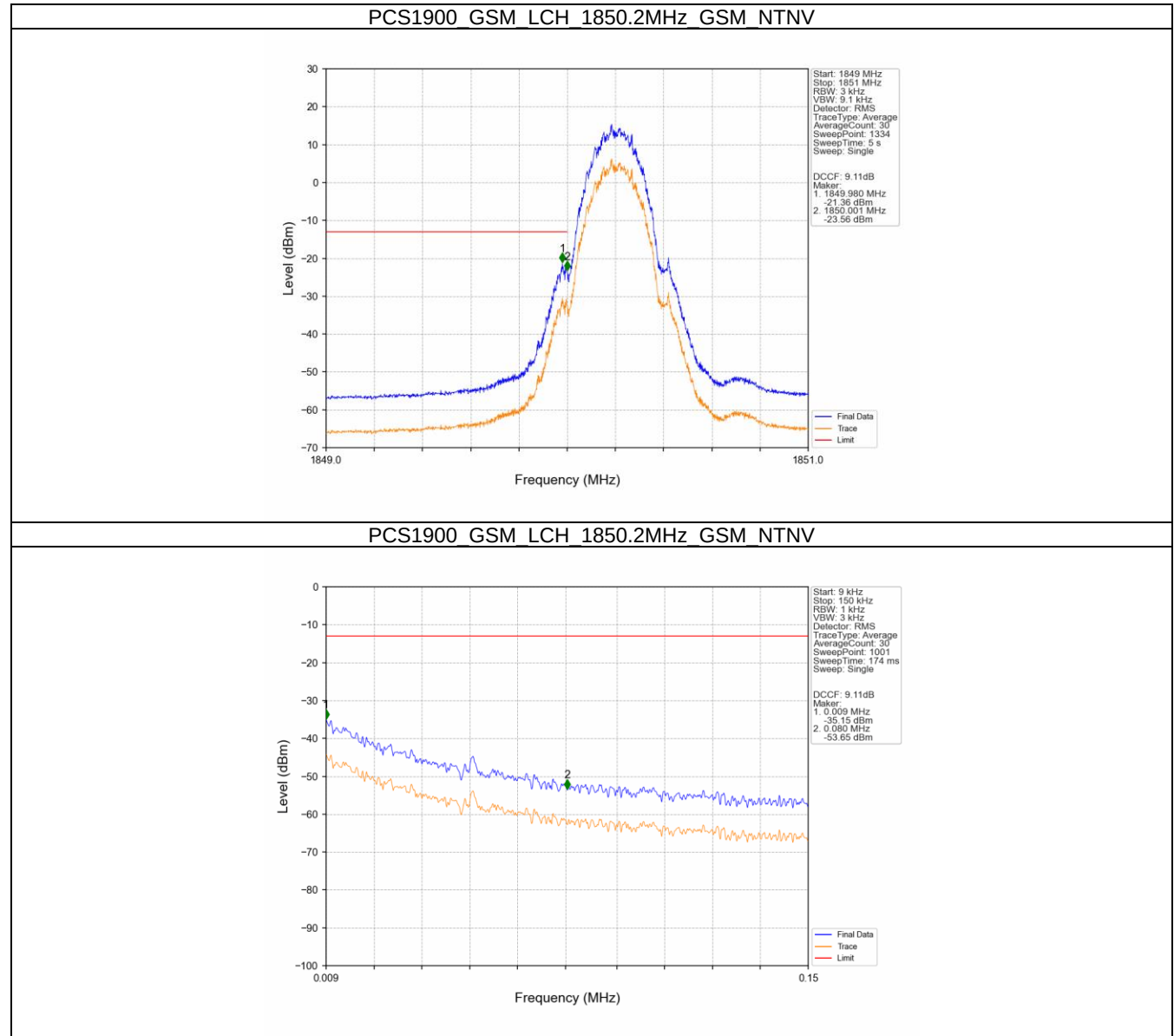
### 6.1 Test Result

#### 6.1.1 PCS1900

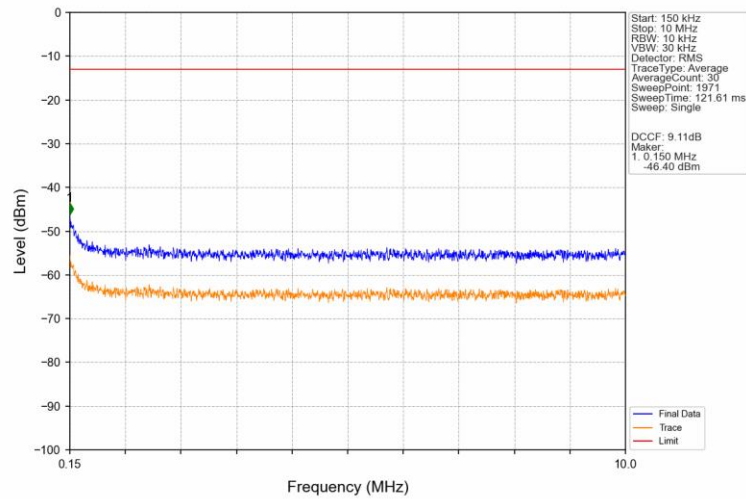
| Band: PCS1900 |         |           |                 |                     |       |         |
|---------------|---------|-----------|-----------------|---------------------|-------|---------|
| ENV           | Mode    |           | Frequency (MHz) | Spurious Emission   |       | Verdict |
|               | 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

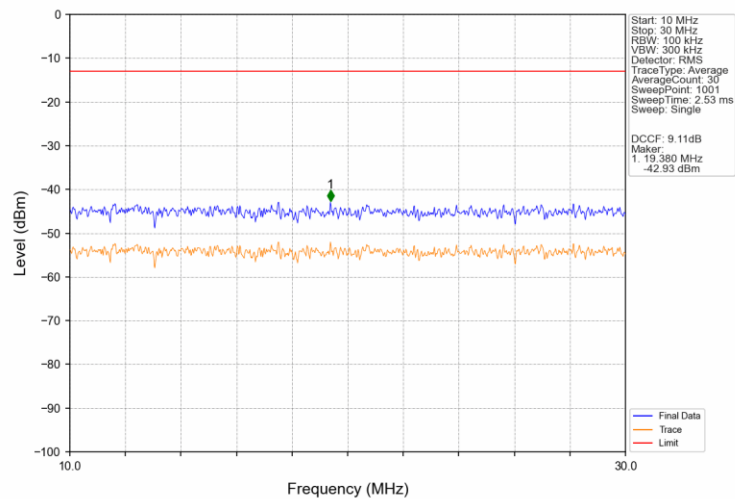
### 6.2.1 PCS1900



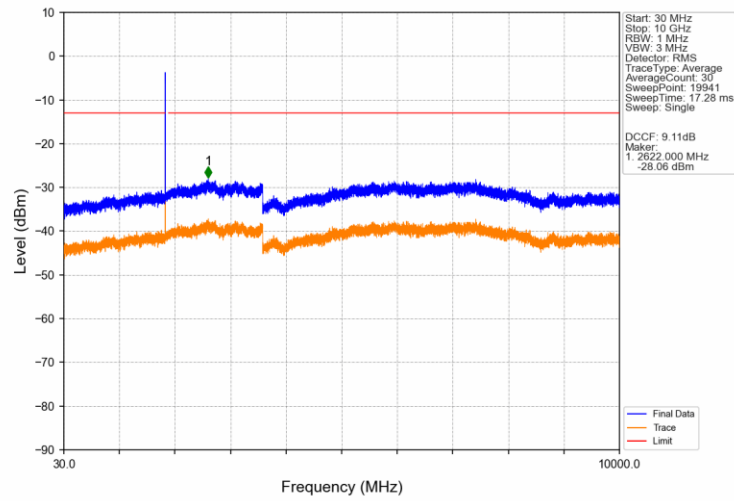
### PCS1900\_GSM\_LCH\_1850.2MHz\_GSM\_NTNV



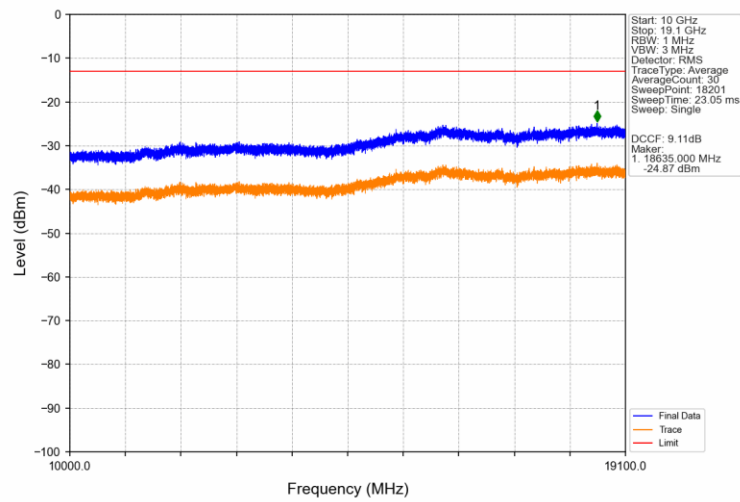
### PCS1900\_GSM\_LCH\_1850.2MHz\_GSM\_NTNV



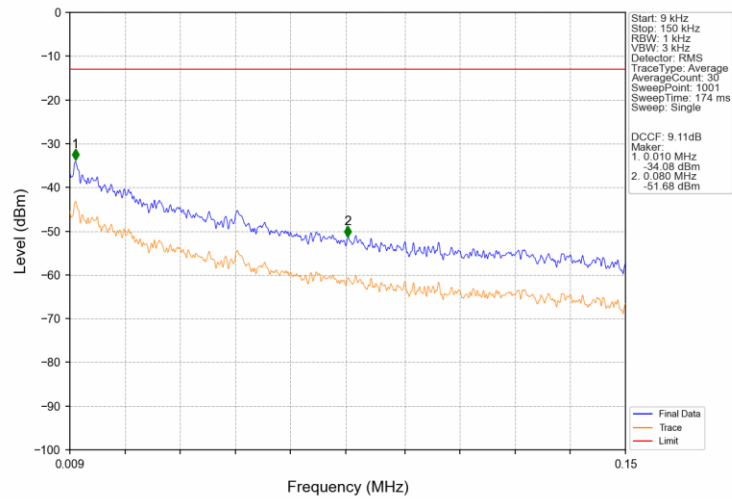
### PCS1900\_GSM\_LCH\_1850.2MHz\_GSM\_NTNV



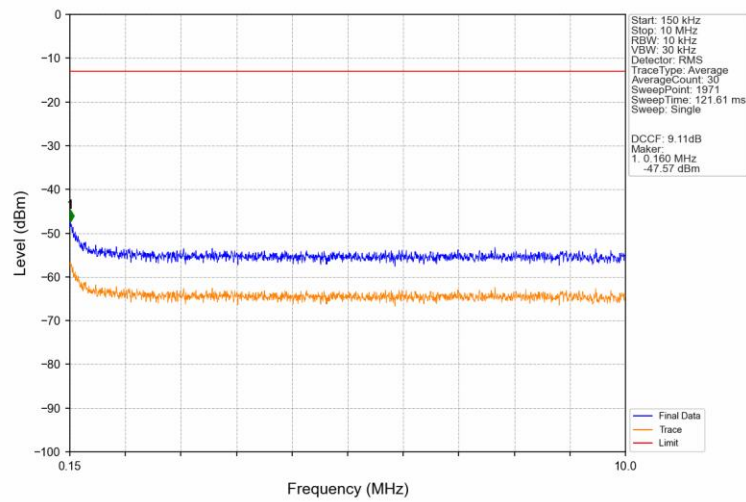
### PCS1900\_GSM\_LCH\_1850.2MHz\_GSM\_NTNV



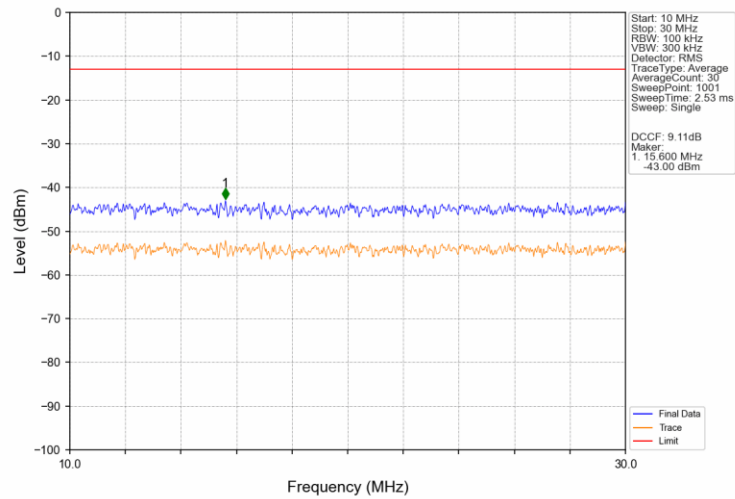
### PCS1900\_GSM\_MCH\_1880MHz\_GSM\_NTNV



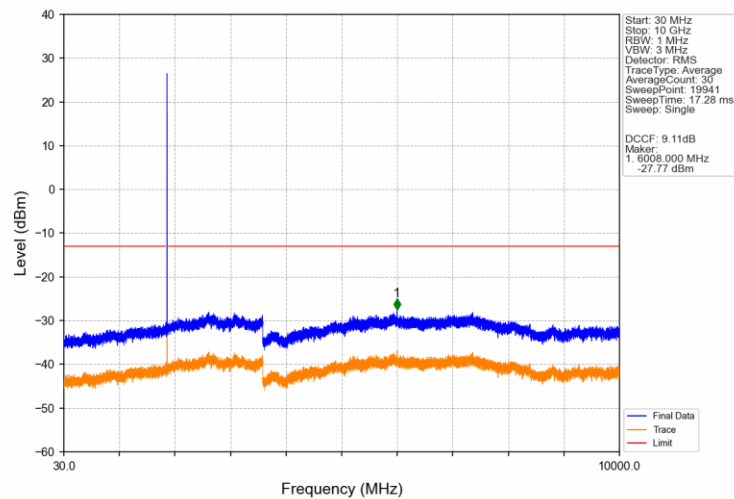
### PCS1900\_GSM\_MCH\_1880MHz\_GSM\_NTNV



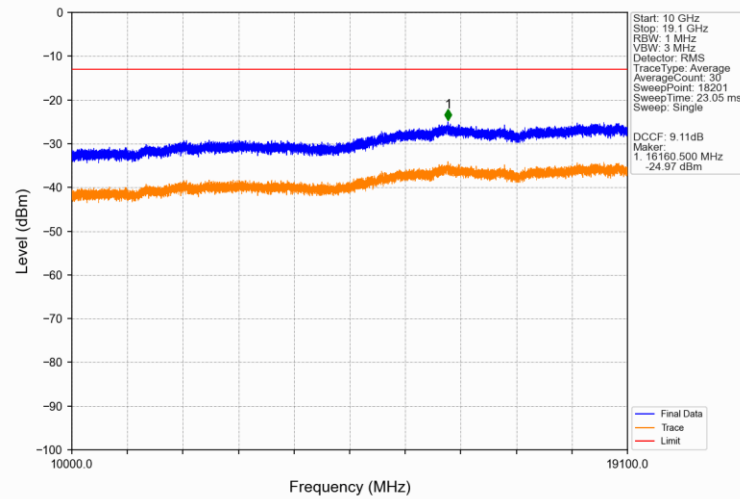
### PCS1900\_GSM\_MCH\_1880MHz\_GSM\_NTNV



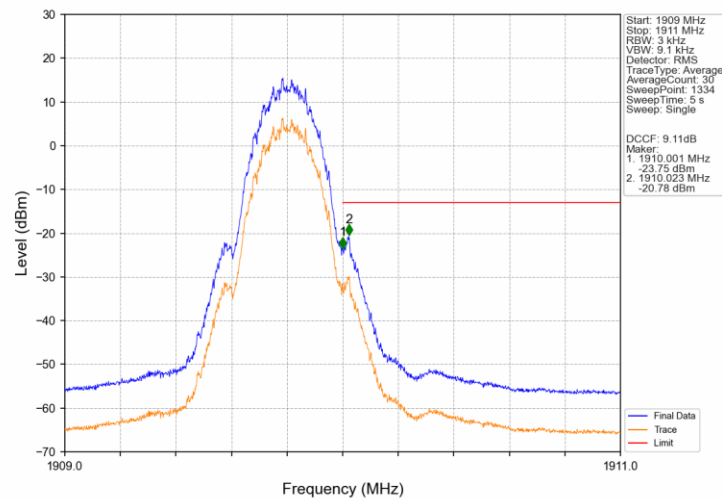
### PCS1900\_GSM\_MCH\_1880MHz\_GSM\_NTNV



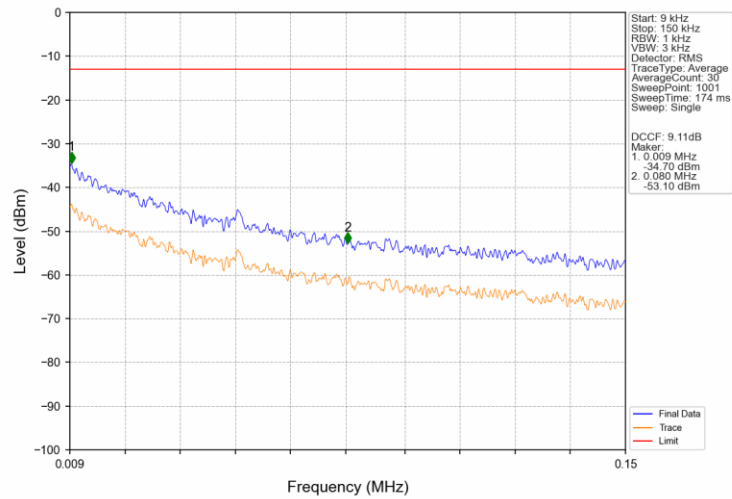
### PCS1900\_GSM\_MCH\_1880MHz\_GSM\_NTNV



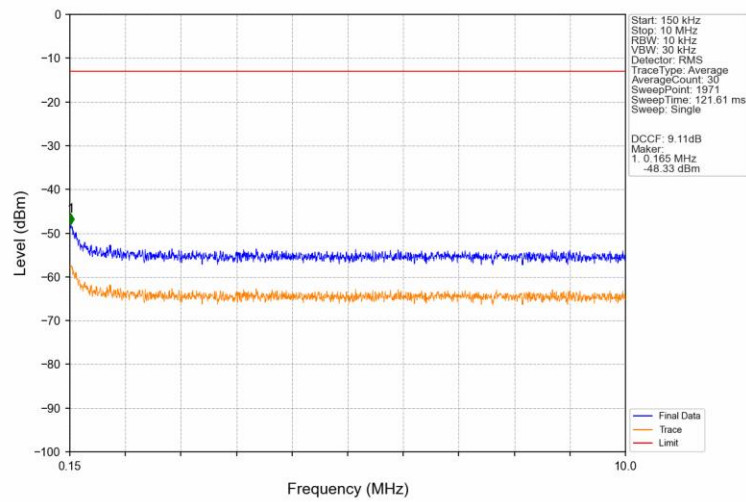
### PCS1900\_GSM\_HCH\_1909.8MHz\_GSM\_NTNV



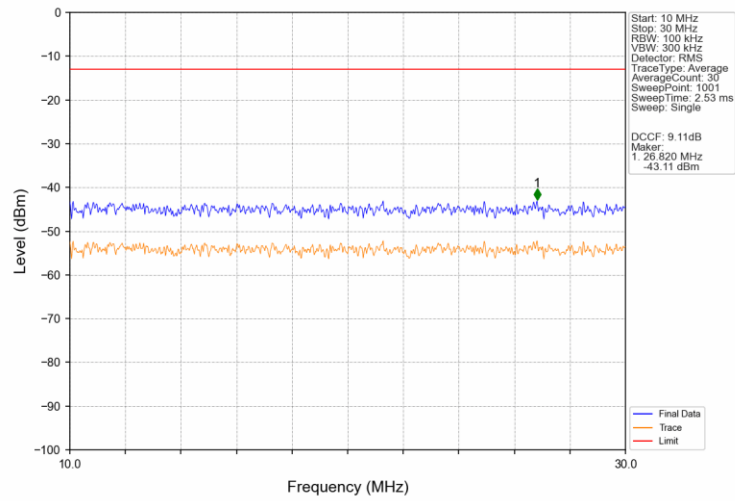
### PCS1900\_GSM\_HCH\_1909.8MHz\_GSM\_NTNV



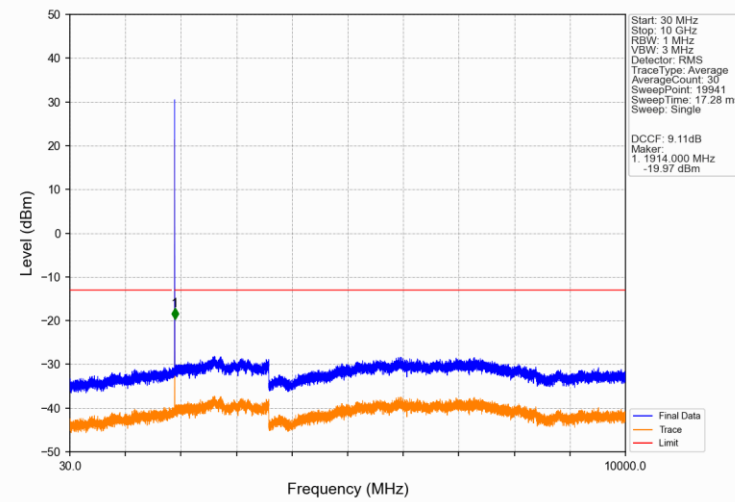
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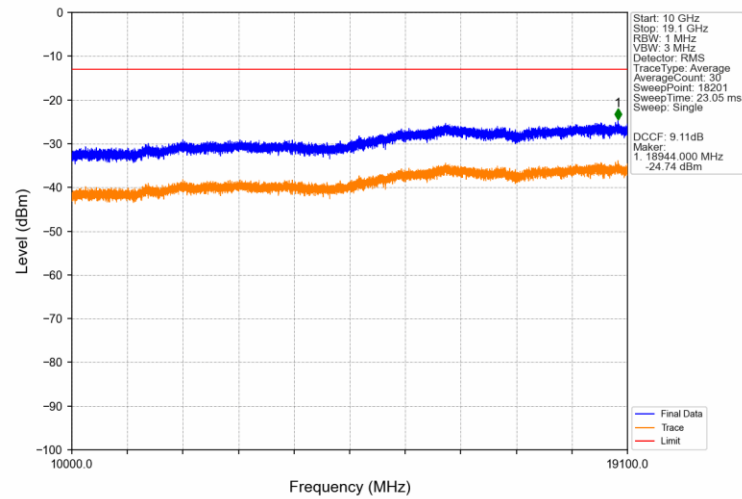
### PCS1900\_GSM\_HCH\_1909.8MHz\_GSM\_NTNV



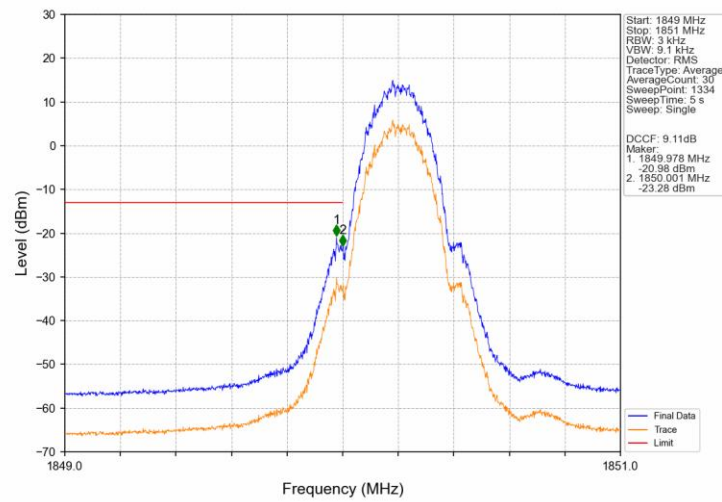
### PCS1900\_GSM\_HCH\_1909.8MHz\_GSM\_NTNV



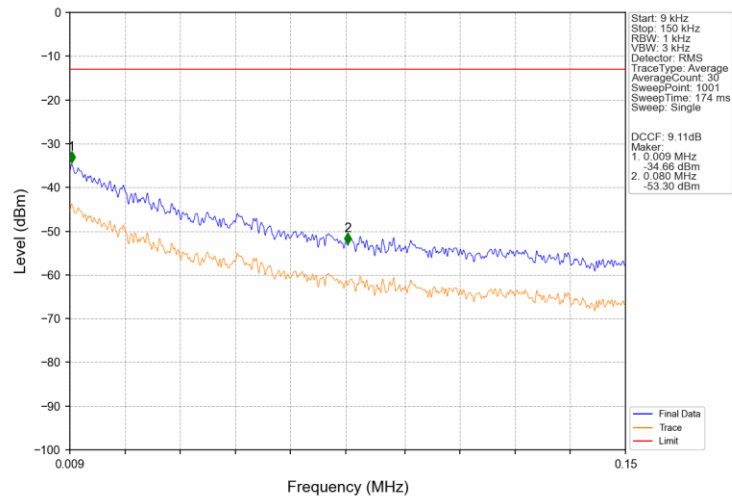
### PCS1900\_GSM\_HCH\_1909.8MHz\_GSM\_NTNV



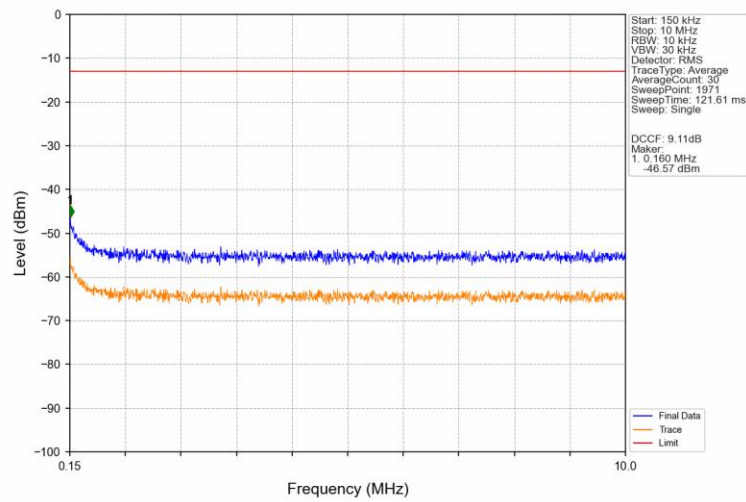
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



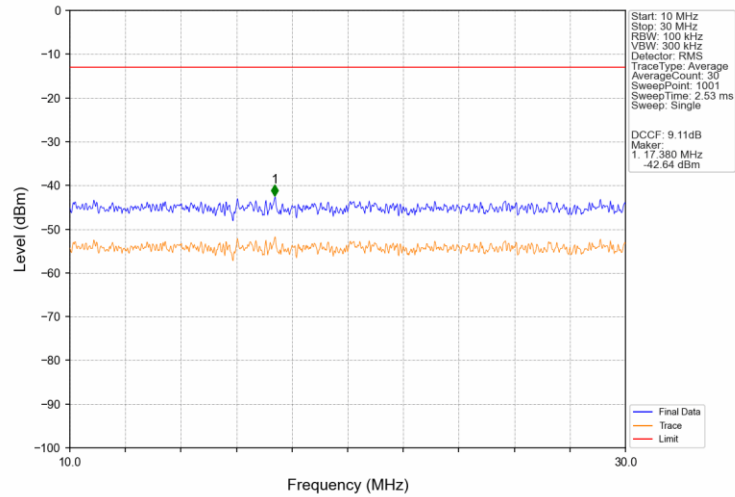
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



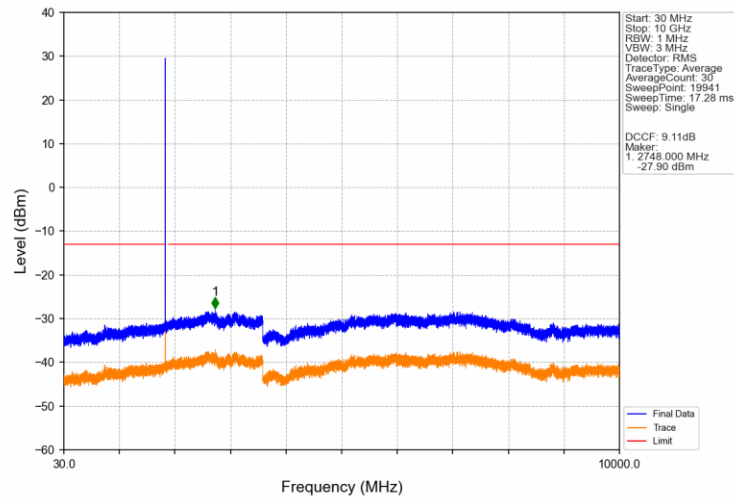
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



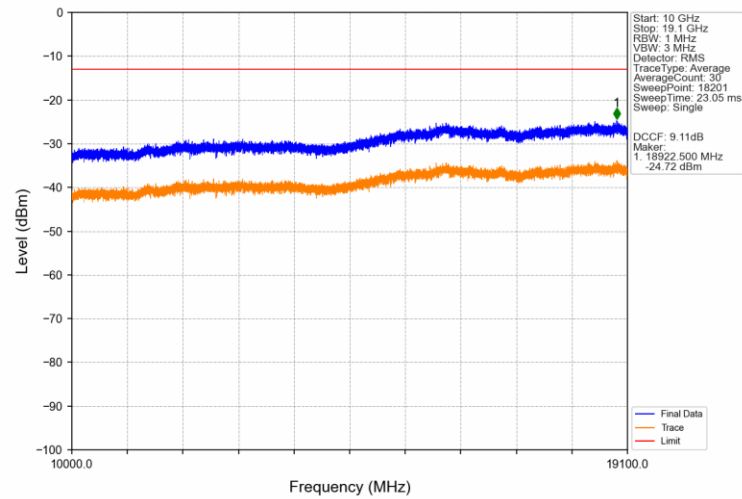
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



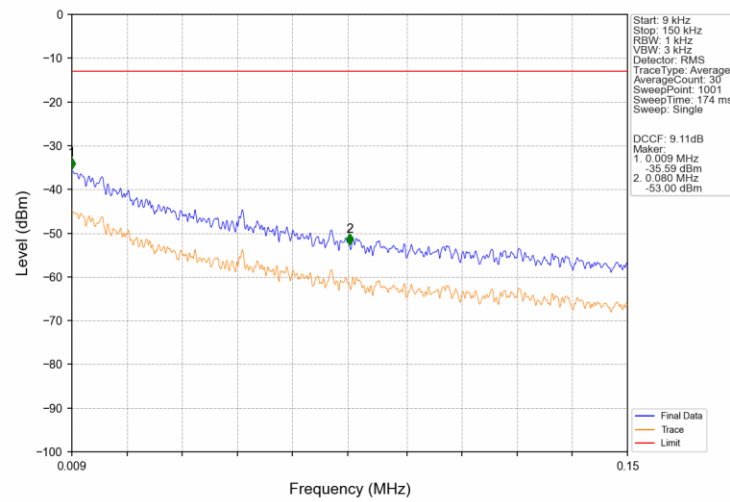
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



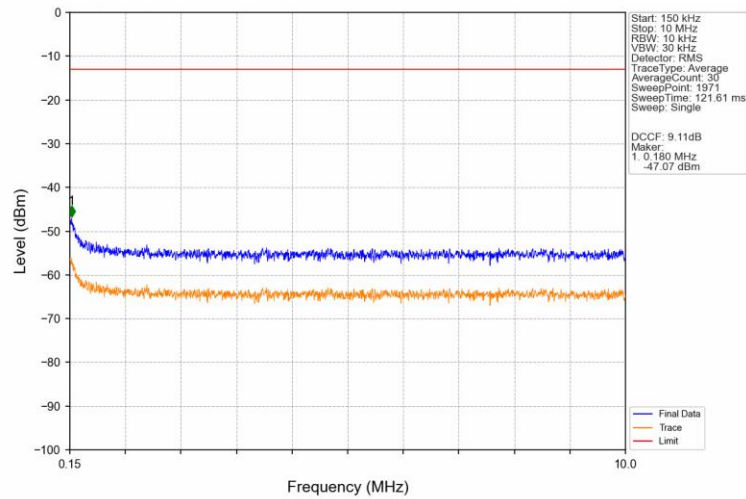
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



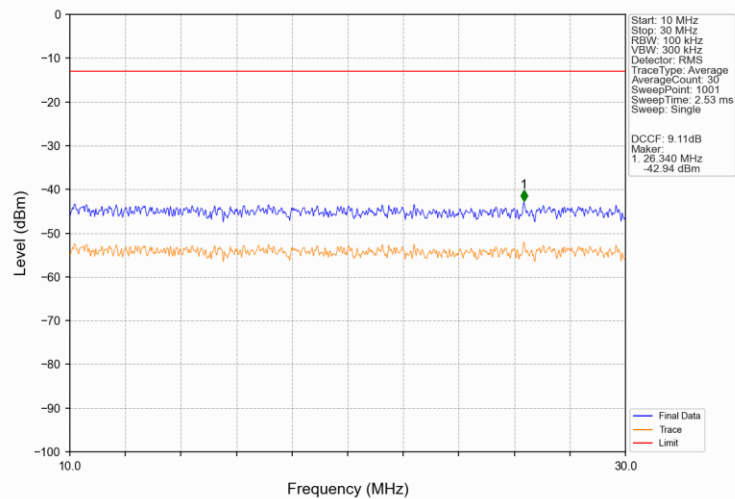
### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



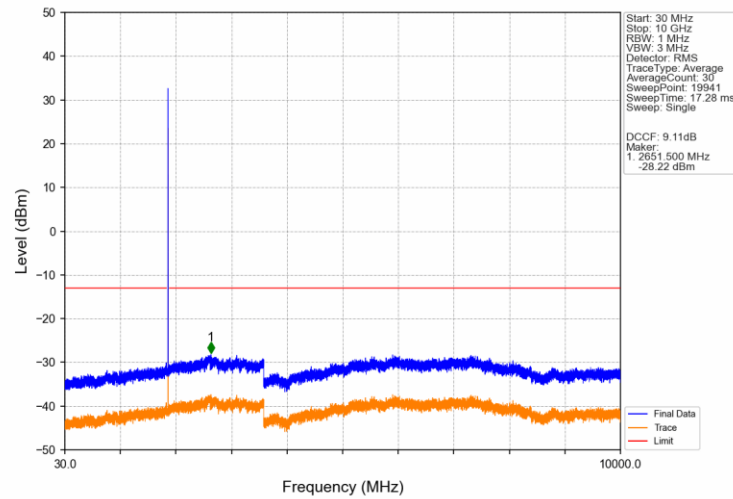
### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



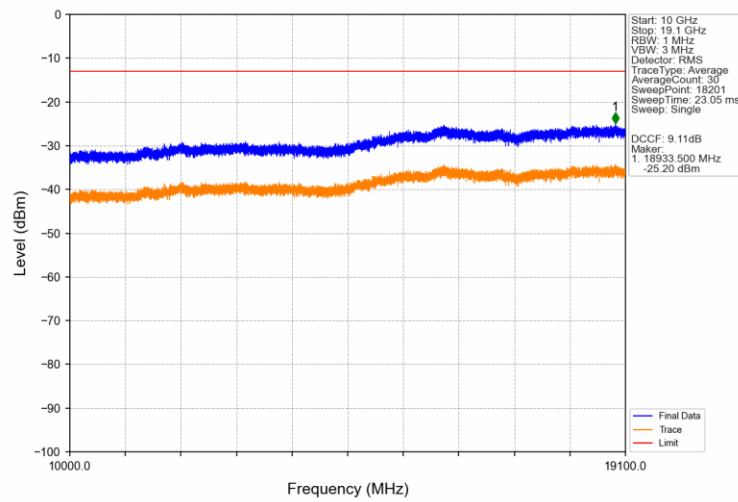
### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



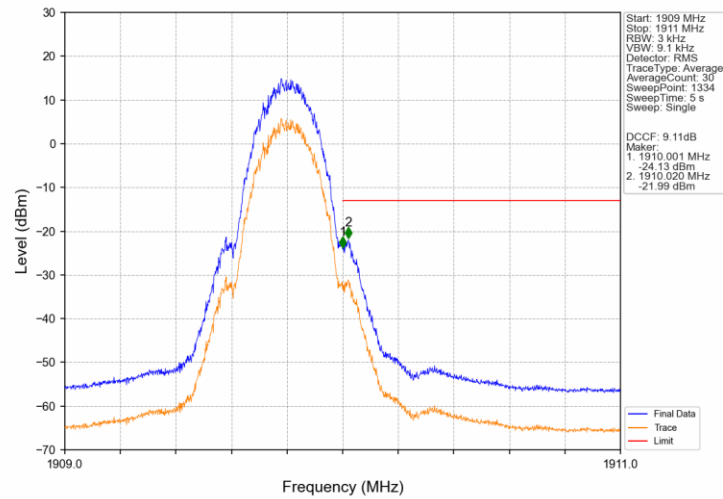
### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



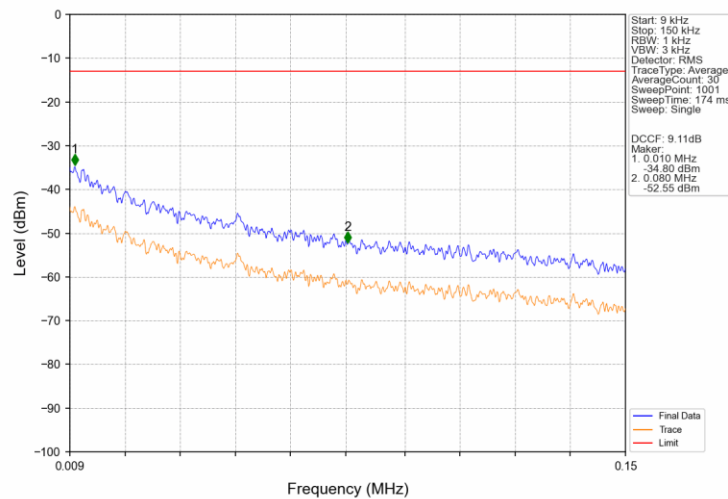
### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



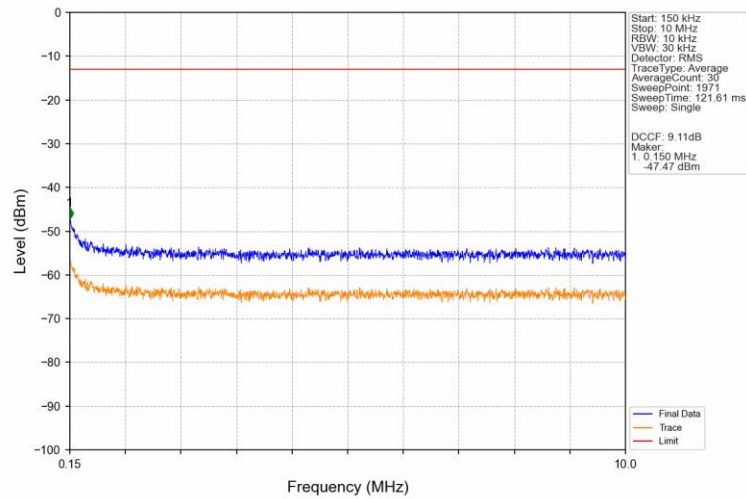
### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



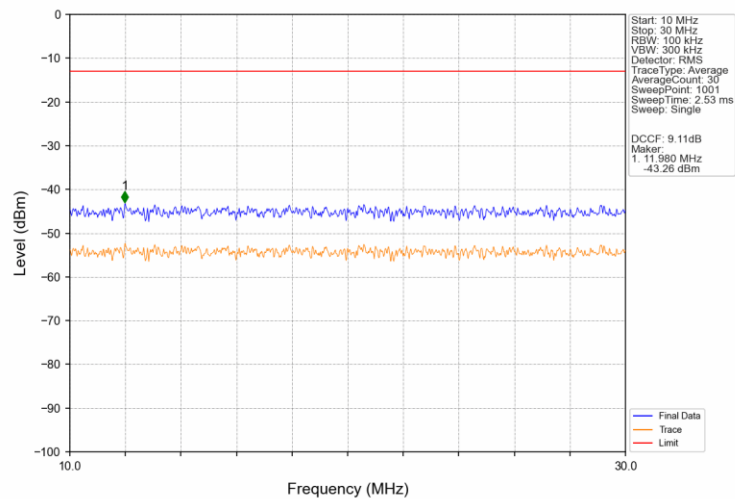
### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



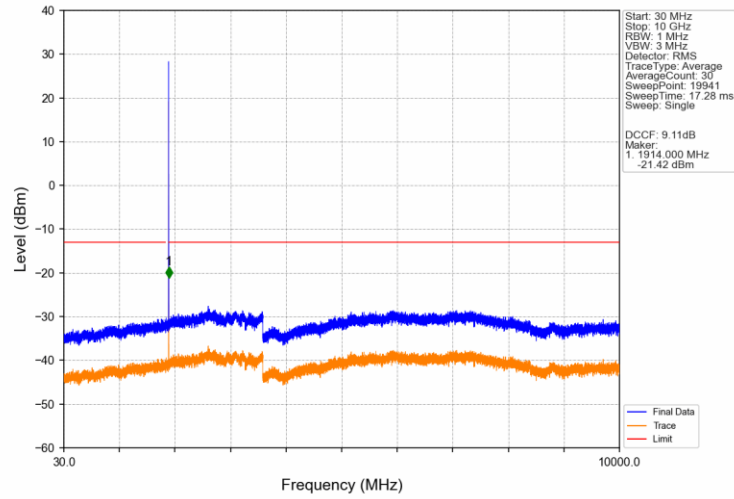
### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



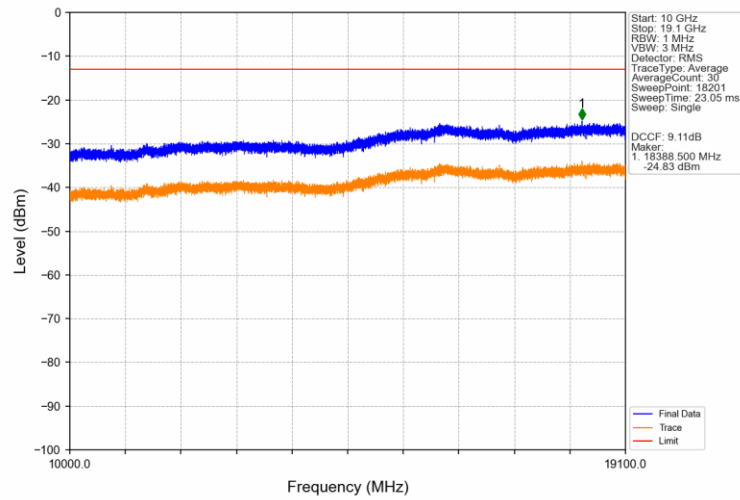
### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



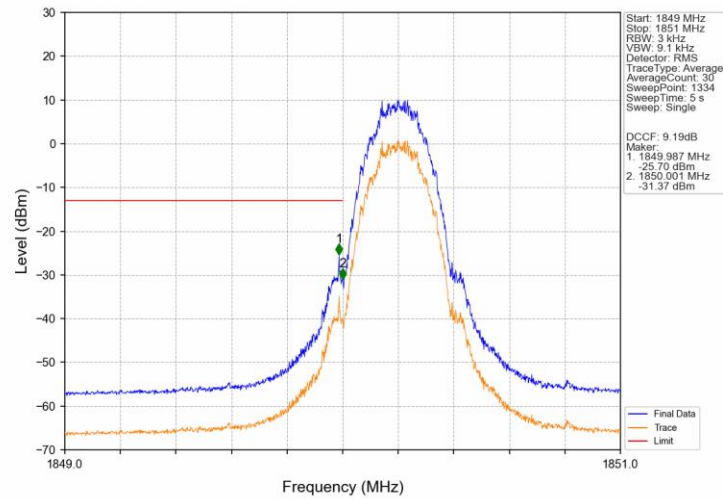
### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



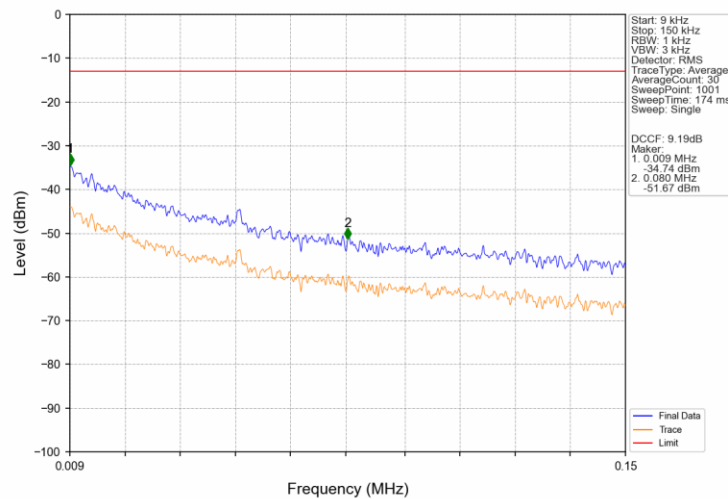
### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



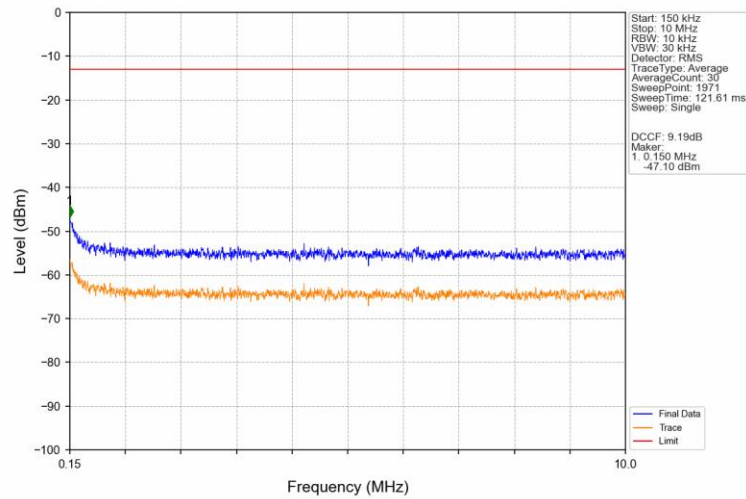
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



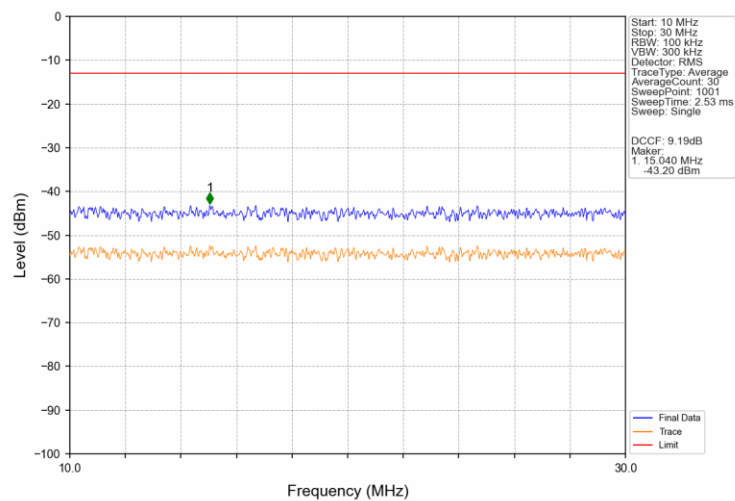
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



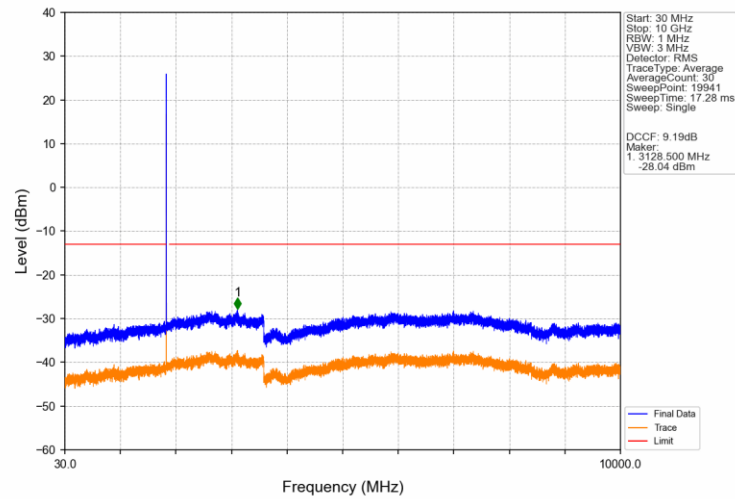
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



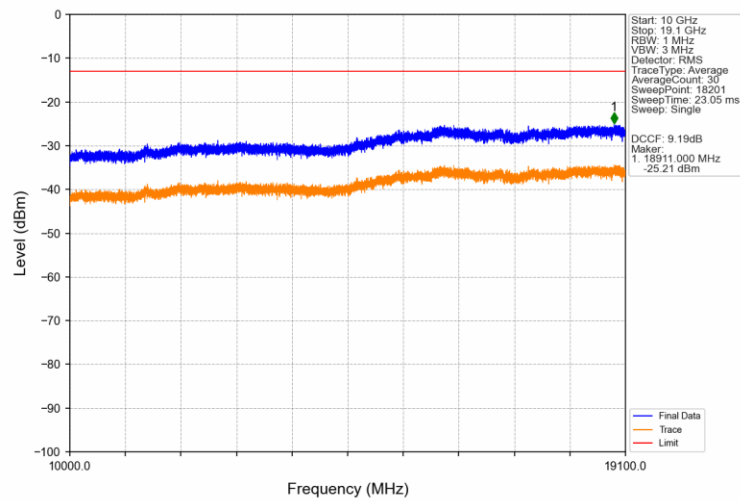
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



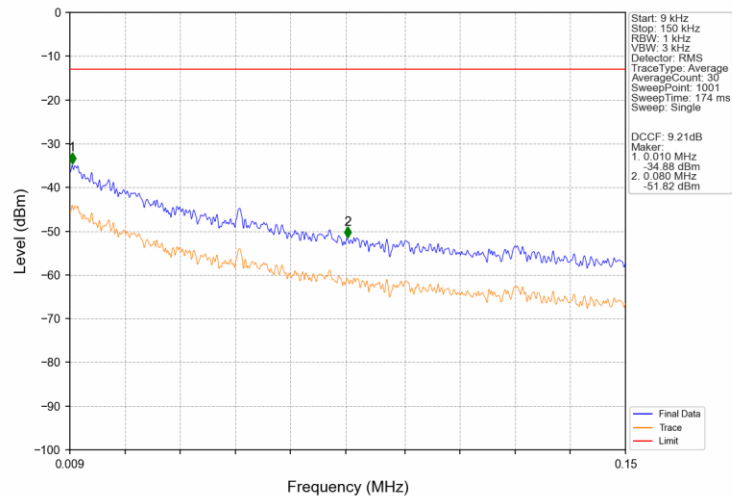
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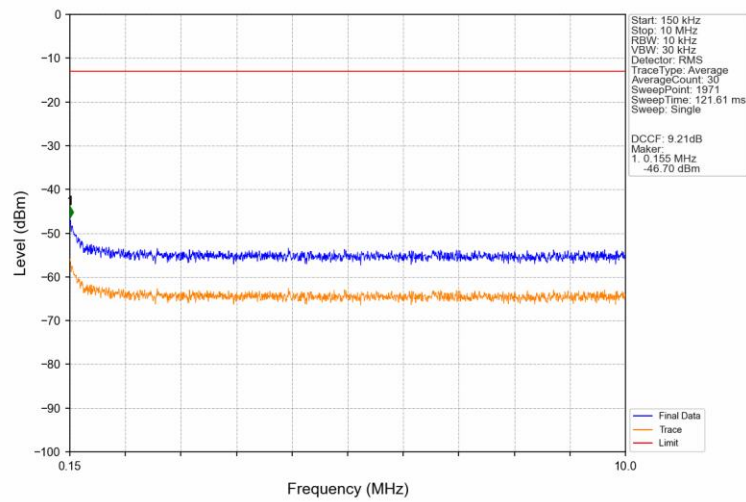
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



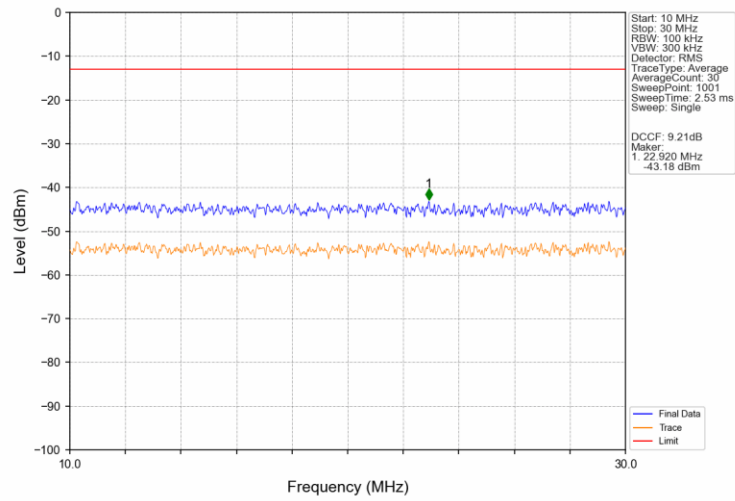
### PCS1900\_EGPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



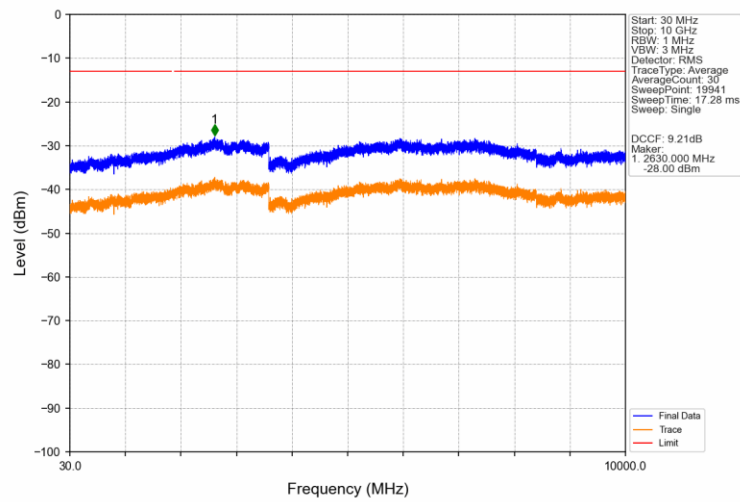
### PCS1900\_EGPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



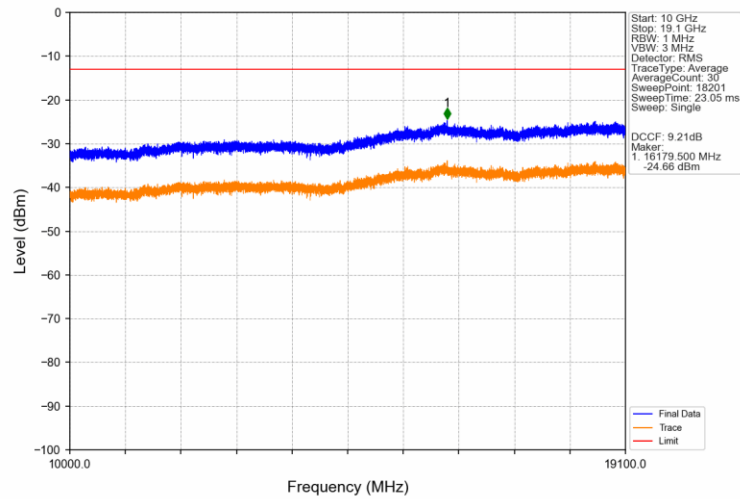
### PCS1900\_EGPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



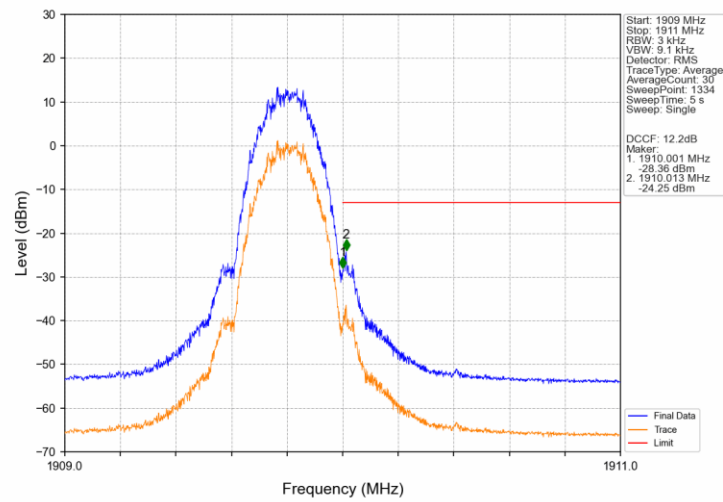
### PCS1900\_EGPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



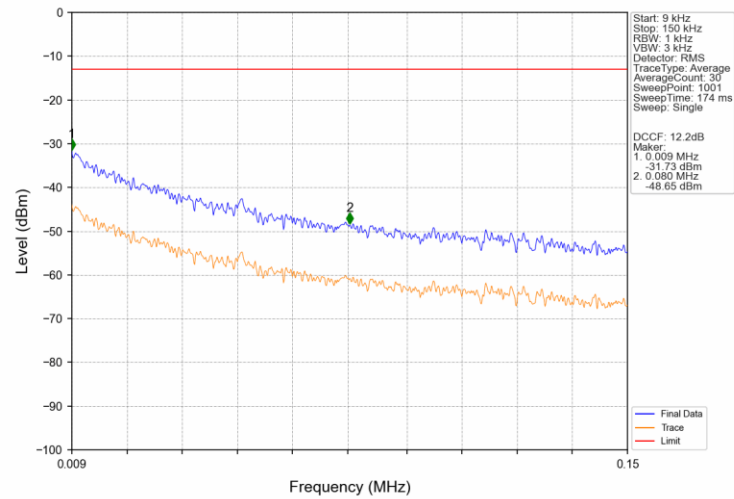
### PCS1900\_EGPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



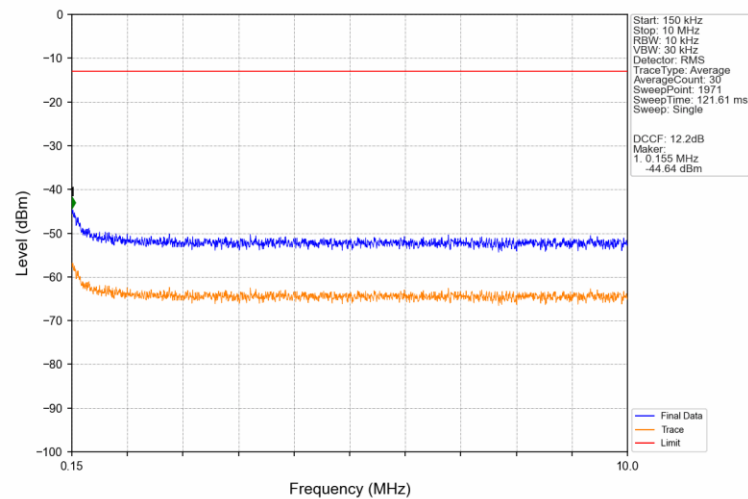
### PCS1900\_EGPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



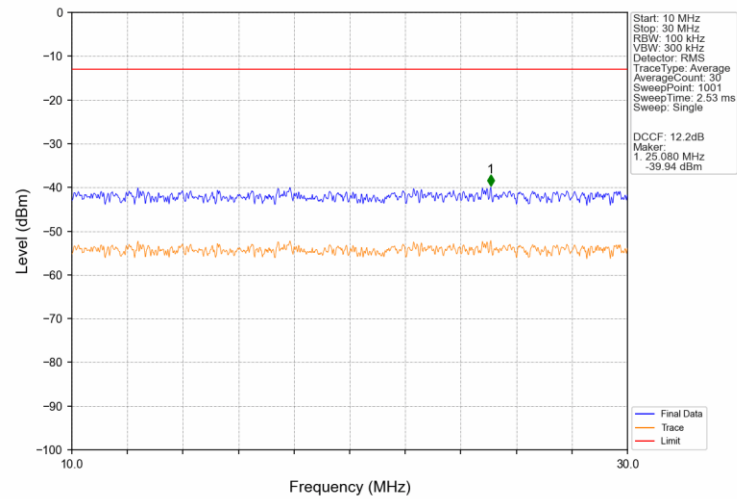
### PCS1900\_EGPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



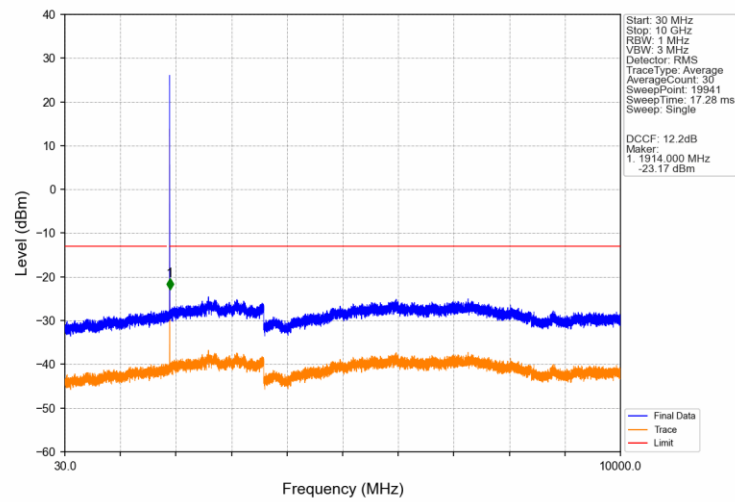
### PCS1900\_EGPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



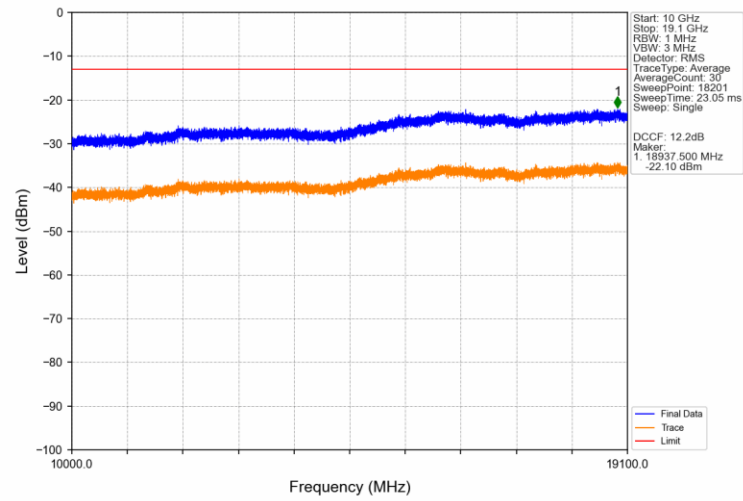
### PCS1900\_EGPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



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



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





## 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    | 0.9840        | 0.0100 | ppm    | 249KGXW             | 24E        | 29.93           |
| PCS1900 | 0.2 | 1850.2     | 1909.8    | 0.3155        | 0.0165 | ppm    | 248KG7W             | 24E        | 24.99           |

#### 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    | 1.1561        | 0.0100 | ppm    | 249KGXW             | 24E        | 30.63           |
| PCS1900 | 0.2 | 1850.2     | 1909.8    | 0.3707        | 0.0165 | ppm    | 248KG7W             | 24E        | 25.69           |

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