

# **Appendix RF 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          | 30.42                 | -2.00      | 28.42      | <=33.01 | Pass    |
|               |         |            | 1880            | 30.10                 | -2.00      | 28.10      | <=33.01 | Pass    |
|               |         |            | 1909.8          | 29.81                 | -2.00      | 27.81      | <=33.01 | Pass    |
|               | GPRS    | 1 TX Slot  | 1850.2          | 30.41                 | -2.00      | 28.41      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1850.2          | 29.63                 | -2.00      | 27.63      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1850.2          | 27.67                 | -2.00      | 25.67      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1850.2          | 26.54                 | -2.00      | 24.54      | <=33.01 | Pass    |
|               |         | 1 TX Slot  | 1880            | 30.04                 | -2.00      | 28.04      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1880            | 29.34                 | -2.00      | 27.34      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1880            | 27.55                 | -2.00      | 25.55      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1880            | 26.44                 | -2.00      | 24.44      | <=33.01 | Pass    |
|               |         | 1 TX Slot  | 1909.8          | 29.73                 | -2.00      | 27.73      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1909.8          | 29.07                 | -2.00      | 27.07      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1909.8          | 27.42                 | -2.00      | 25.42      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1909.8          | 26.34                 | -2.00      | 24.34      | <=33.01 | Pass    |
|               | EGPRS   | 1 TX Slot  | 1850.2          | 27.14                 | -2.00      | 25.14      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1850.2          | 26.13                 | -2.00      | 24.13      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1850.2          | 24.06                 | -2.00      | 22.06      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1850.2          | 22.85                 | -2.00      | 20.85      | <=33.01 | Pass    |
|               |         | 1 TX Slot  | 1880            | 26.51                 | -2.00      | 24.51      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1880            | 25.57                 | -2.00      | 23.57      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1880            | 23.60                 | -2.00      | 21.60      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1880            | 22.47                 | -2.00      | 20.47      | <=33.01 | Pass    |
|               |         | 1 TX Slot  | 1909.8          | 26.50                 | -2.00      | 24.50      | <=33.01 | Pass    |
|               |         | 2 TX Slots | 1909.8          | 25.69                 | -2.00      | 23.69      | <=33.01 | Pass    |
|               |         | 3 TX Slots | 1909.8          | 23.55                 | -2.00      | 21.55      | <=33.01 | Pass    |
|               |         | 4 TX Slots | 1909.8          | 22.40                 | -2.00      | 20.40      | <=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         | 3.27          | 10.977           | 0.0059                | -2.5 to 2.5 | Pass    |
|               |                 |            | 3.85          | 12.365           | 0.0067                | -2.5 to 2.5 | Pass    |
|               |                 |            | 4.43          | 18.564           | 0.0100                | -2.5 to 2.5 | Pass    |
|               |                 | -30        | 3.85          | 17.531           | 0.0095                | -2.5 to 2.5 | Pass    |
|               |                 | -20        | 3.85          | 21.890           | 0.0118                | -2.5 to 2.5 | Pass    |
|               |                 | -10        | 3.85          | 13.754           | 0.0074                | -2.5 to 2.5 | Pass    |
|               |                 | 0          | 3.85          | 16.724           | 0.0090                | -2.5 to 2.5 | Pass    |
|               |                 | 10         | 3.85          | 17.402           | 0.0094                | -2.5 to 2.5 | Pass    |

|       |        |     |      |        |         |             |      |
|-------|--------|-----|------|--------|---------|-------------|------|
|       |        | 30  | 3.85 | 10.235 | 0.0055  | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.85 | -4.391 | -0.0024 | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.85 | -0.581 | -0.0003 | -2.5 to 2.5 | Pass |
|       | 1880   | 20  | 3.27 | 13.495 | 0.0072  | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | 12.753 | 0.0068  | -2.5 to 2.5 | Pass |
|       |        |     | 4.43 | 16.111 | 0.0086  | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.85 | 15.013 | 0.0080  | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.85 | 15.303 | 0.0081  | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.85 | 16.918 | 0.0090  | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.85 | 18.564 | 0.0099  | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.85 | 14.593 | 0.0078  | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.85 | 15.142 | 0.0081  | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.85 | 8.427  | 0.0045  | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.85 | 16.789 | 0.0089  | -2.5 to 2.5 | Pass |
|       | 1909.8 | 20  | 3.27 | 14.948 | 0.0078  | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | 19.178 | 0.0100  | -2.5 to 2.5 | Pass |
|       |        |     | 4.43 | 23.020 | 0.0121  | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.85 | 17.596 | 0.0092  | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.85 | 18.984 | 0.0099  | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.85 | 22.051 | 0.0115  | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.85 | 19.178 | 0.0100  | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.85 | 20.017 | 0.0105  | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.85 | 22.277 | 0.0117  | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.85 | 14.916 | 0.0078  | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.85 | 21.599 | 0.0113  | -2.5 to 2.5 | Pass |
| GPRS  | 1850.2 | 20  | 3.27 | 15.723 | 0.0085  | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | 15.562 | 0.0084  | -2.5 to 2.5 | Pass |
|       |        |     | 4.43 | 14.077 | 0.0076  | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.85 | 14.303 | 0.0077  | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.85 | 15.691 | 0.0085  | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.85 | 12.591 | 0.0068  | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.85 | 14.496 | 0.0078  | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.85 | 15.497 | 0.0084  | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.85 | 16.175 | 0.0087  | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.85 | 24.989 | 0.0135  | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.85 | 42.682 | 0.0231  | -2.5 to 2.5 | Pass |
|       | 1880   | 20  | 3.27 | 12.785 | 0.0068  | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | 13.076 | 0.0070  | -2.5 to 2.5 | Pass |
|       |        |     | 4.43 | 12.107 | 0.0064  | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.85 | 15.949 | 0.0085  | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.85 | 12.462 | 0.0066  | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.85 | 11.139 | 0.0059  | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.85 | 10.525 | 0.0056  | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.85 | 12.914 | 0.0069  | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.85 | 11.494 | 0.0061  | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.85 | 21.728 | 0.0116  | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.85 | 28.831 | 0.0153  | -2.5 to 2.5 | Pass |
|       | 1909.8 | 20  | 3.27 | 14.109 | 0.0074  | -2.5 to 2.5 | Pass |
|       |        |     | 3.85 | 15.594 | 0.0082  | -2.5 to 2.5 | Pass |
|       |        |     | 4.43 | 17.273 | 0.0090  | -2.5 to 2.5 | Pass |
|       |        | -30 | 3.85 | 14.399 | 0.0075  | -2.5 to 2.5 | Pass |
|       |        | -20 | 3.85 | 13.334 | 0.0070  | -2.5 to 2.5 | Pass |
|       |        | -10 | 3.85 | 17.886 | 0.0094  | -2.5 to 2.5 | Pass |
|       |        | 0   | 3.85 | 12.043 | 0.0063  | -2.5 to 2.5 | Pass |
|       |        | 10  | 3.85 | 14.432 | 0.0076  | -2.5 to 2.5 | Pass |
|       |        | 30  | 3.85 | 15.303 | 0.0080  | -2.5 to 2.5 | Pass |
|       |        | 40  | 3.85 | 21.276 | 0.0111  | -2.5 to 2.5 | Pass |
|       |        | 50  | 3.85 | 26.959 | 0.0141  | -2.5 to 2.5 | Pass |
| EGPRS | 1850.2 | 20  | 3.27 | -5.101 | -0.0028 | -2.5 to 2.5 | Pass |

|  |        |     |      |        |         |             |      |
|--|--------|-----|------|--------|---------|-------------|------|
|  |        |     | 3.85 | -0.161 | -0.0001 | -2.5 to 2.5 | Pass |
|  |        |     | 4.43 | -0.872 | -0.0005 | -2.5 to 2.5 | Pass |
|  |        | -30 | 3.85 | 2.389  | 0.0013  | -2.5 to 2.5 | Pass |
|  |        | -20 | 3.85 | -2.066 | -0.0011 | -2.5 to 2.5 | Pass |
|  |        | -10 | 3.85 | -2.712 | -0.0015 | -2.5 to 2.5 | Pass |
|  |        | 0   | 3.85 | -1.098 | -0.0006 | -2.5 to 2.5 | Pass |
|  |        | 10  | 3.85 | -7.361 | -0.0040 | -2.5 to 2.5 | Pass |
|  |        | 30  | 3.85 | 0.839  | 0.0005  | -2.5 to 2.5 | Pass |
|  |        | 40  | 3.85 | -1.582 | -0.0009 | -2.5 to 2.5 | Pass |
|  |        | 50  | 3.85 | 2.163  | 0.0012  | -2.5 to 2.5 | Pass |
|  | 1880   | 20  | 3.27 | 0.646  | 0.0003  | -2.5 to 2.5 | Pass |
|  |        |     | 3.85 | -2.809 | -0.0015 | -2.5 to 2.5 | Pass |
|  |        |     | 4.43 | -8.749 | -0.0047 | -2.5 to 2.5 | Pass |
|  |        | -30 | 3.85 | -1.647 | -0.0009 | -2.5 to 2.5 | Pass |
|  |        | -20 | 3.85 | -7.684 | -0.0041 | -2.5 to 2.5 | Pass |
|  |        | -10 | 3.85 | -5.037 | -0.0027 | -2.5 to 2.5 | Pass |
|  |        | 0   | 3.85 | -6.102 | -0.0032 | -2.5 to 2.5 | Pass |
|  |        | 10  | 3.85 | -2.260 | -0.0012 | -2.5 to 2.5 | Pass |
|  |        | 30  | 3.85 | -1.776 | -0.0009 | -2.5 to 2.5 | Pass |
|  |        | 40  | 3.85 | -3.099 | -0.0016 | -2.5 to 2.5 | Pass |
|  |        | 50  | 3.85 | 0.807  | 0.0004  | -2.5 to 2.5 | Pass |
|  | 1909.8 | 20  | 3.27 | -1.905 | -0.0010 | -2.5 to 2.5 | Pass |
|  |        |     | 3.85 | -3.358 | -0.0018 | -2.5 to 2.5 | Pass |
|  |        |     | 4.43 | -3.164 | -0.0017 | -2.5 to 2.5 | Pass |
|  |        | -30 | 3.85 | 0.581  | 0.0003  | -2.5 to 2.5 | Pass |
|  |        | -20 | 3.85 | 3.164  | 0.0017  | -2.5 to 2.5 | Pass |
|  |        | -10 | 3.85 | 5.521  | 0.0029  | -2.5 to 2.5 | Pass |
|  |        | 0   | 3.85 | -0.387 | -0.0002 | -2.5 to 2.5 | Pass |
|  |        | 10  | 3.85 | -1.647 | -0.0009 | -2.5 to 2.5 | Pass |
|  |        | 30  | 3.85 | 7.297  | 0.0038  | -2.5 to 2.5 | Pass |
|  |        | 40  | 3.85 | 12.107 | 0.0063  | -2.5 to 2.5 | Pass |
|  |        | 50  | 3.85 | 5.941  | 0.0031  | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

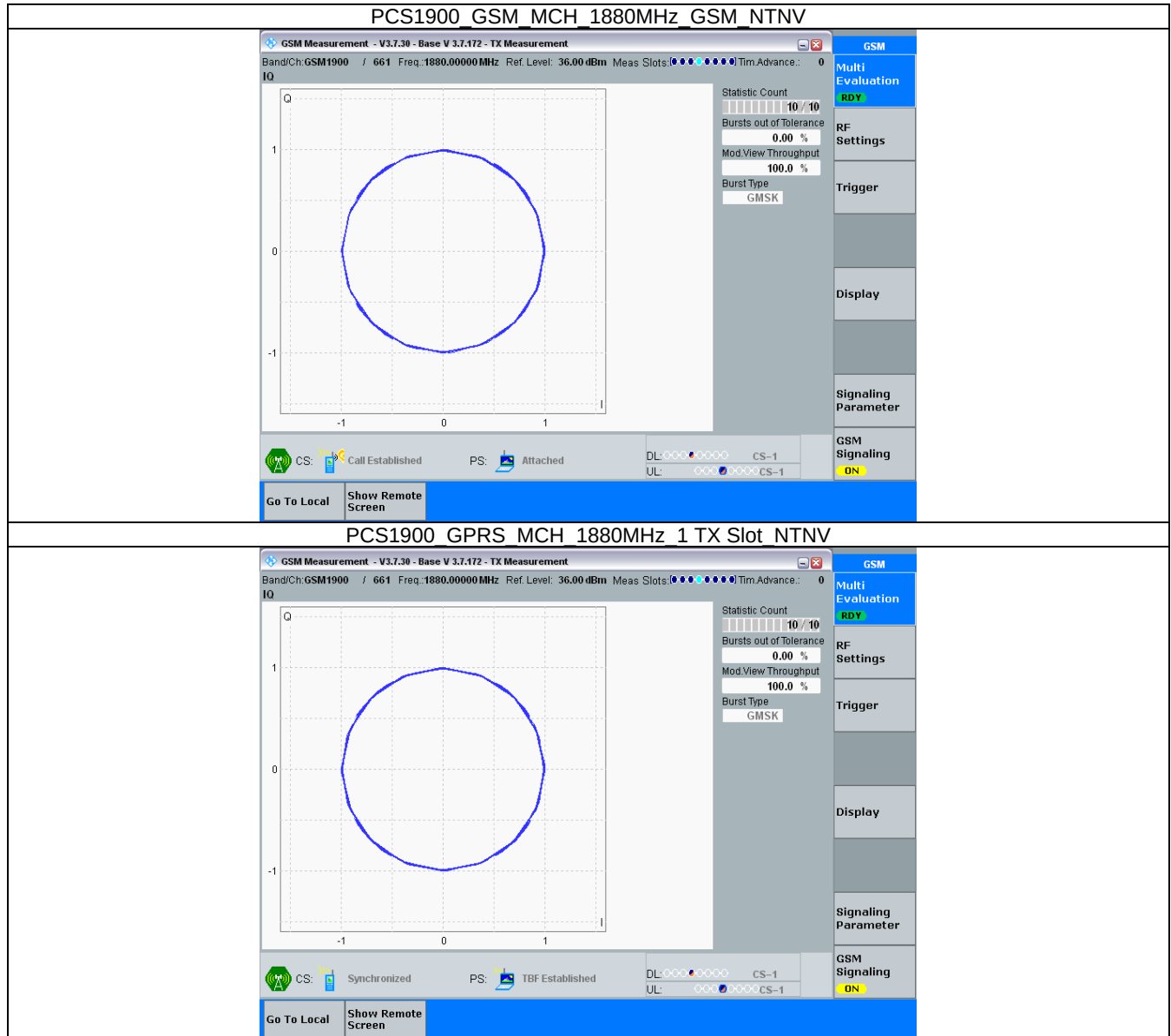
#### 3.1 Test Result

##### 3.1.1 PCS1900

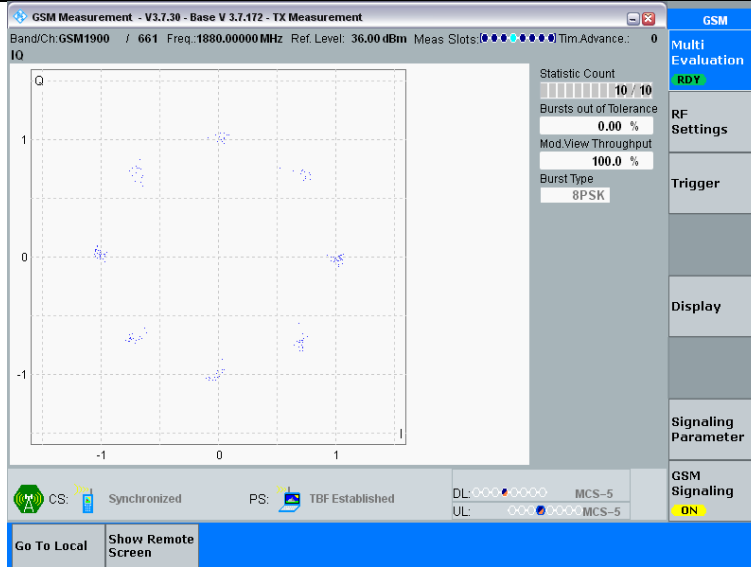
| Band: PCS1900 |         |           |                 |                            |       |         |
|---------------|---------|-----------|-----------------|----------------------------|-------|---------|
| ENV           | Mode    |           | Frequency (MHz) | Modulation Characteristics |    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

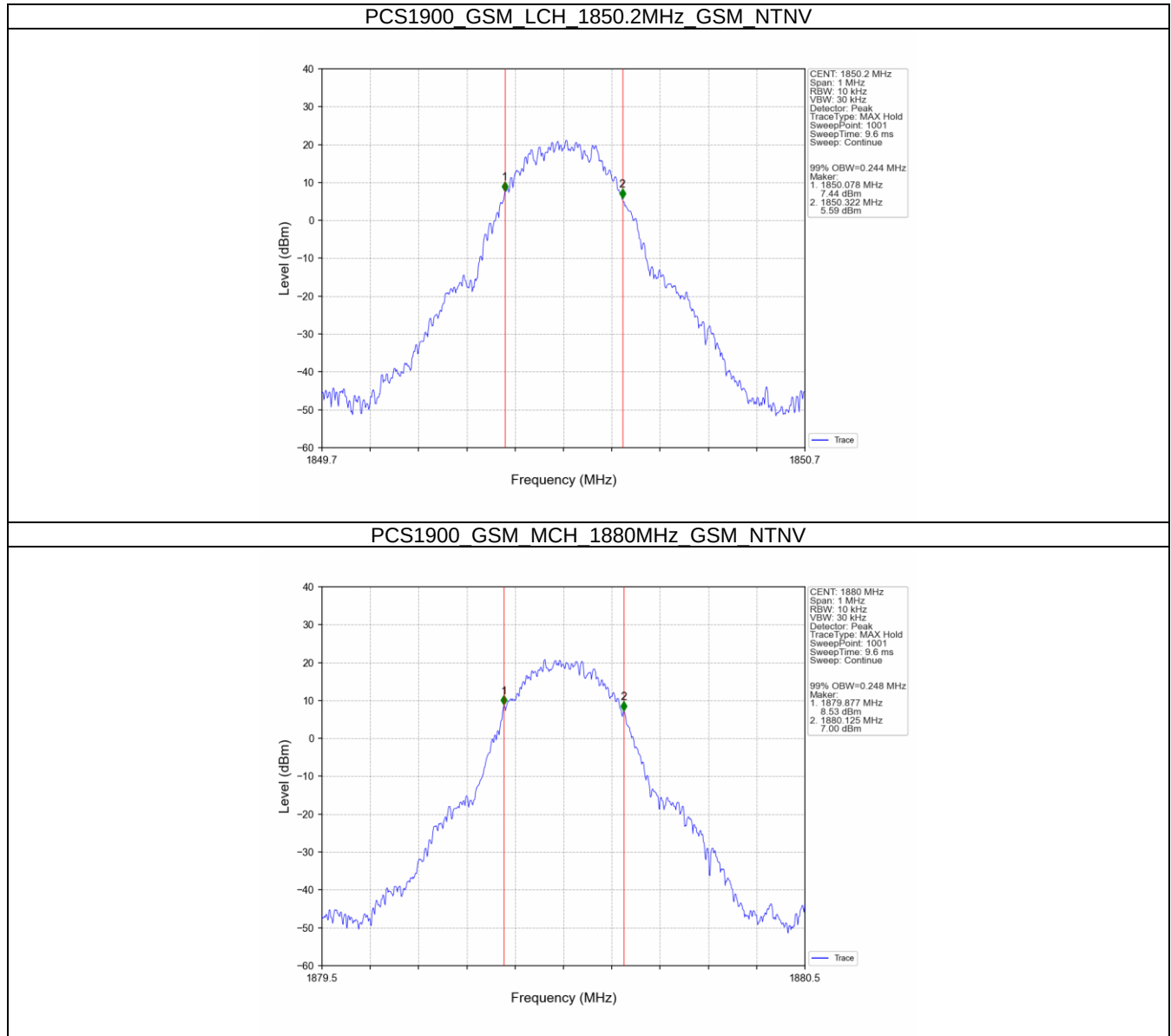
| Band: PCS1900 |         |           |                 |                              |       |         |
|---------------|---------|-----------|-----------------|------------------------------|-------|---------|
| ENV           | Mode    |           | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |       | Verdict |
|               | Network | Subset    |                 | Result                       | Limit |         |
| NTNV          | GSM     | GSM       | 1850.2          | 0.244                        | /     | Pass    |
|               |         |           | 1880            | 0.248                        | /     | Pass    |
|               |         |           | 1909.8          | 0.247                        | /     | Pass    |
|               | GPRS    | 1 TX Slot | 1850.2          | 0.245                        | /     | Pass    |
|               |         |           | 1880            | 0.246                        | /     | Pass    |
|               |         |           | 1909.8          | 0.244                        | /     | Pass    |
|               | EGPRS   | 1 TX Slot | 1850.2          | 0.244                        | /     | Pass    |
|               |         |           | 1880            | 0.253                        | /     | Pass    |
|               |         |           | 1909.8          | 0.249                        | /     | 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          | 0.323                | /     | Pass    |
|               |         |           | 1880            | 0.319                | /     | Pass    |
|               |         |           | 1909.8          | 0.320                | /     | Pass    |
|               | GPRS    | 1 TX Slot | 1850.2          | 0.321                | /     | Pass    |
|               |         |           | 1880            | 0.326                | /     | Pass    |
|               |         |           | 1909.8          | 0.325                | /     | Pass    |
|               | EGPRS   | 1 TX Slot | 1850.2          | 0.312                | /     | Pass    |
|               |         |           | 1880            | 0.312                | /     | Pass    |
|               |         |           | 1909.8          | 0.318                | /     | Pass    |

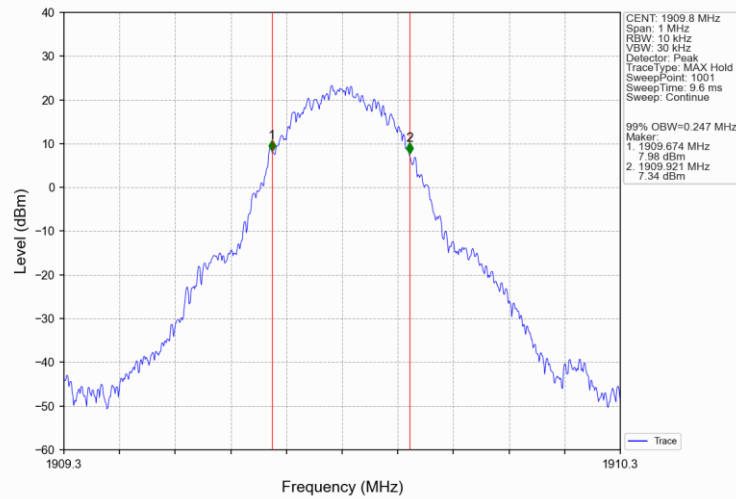
## 4.2 Test Graph

### 4.2.1 PCS1900\_OBW

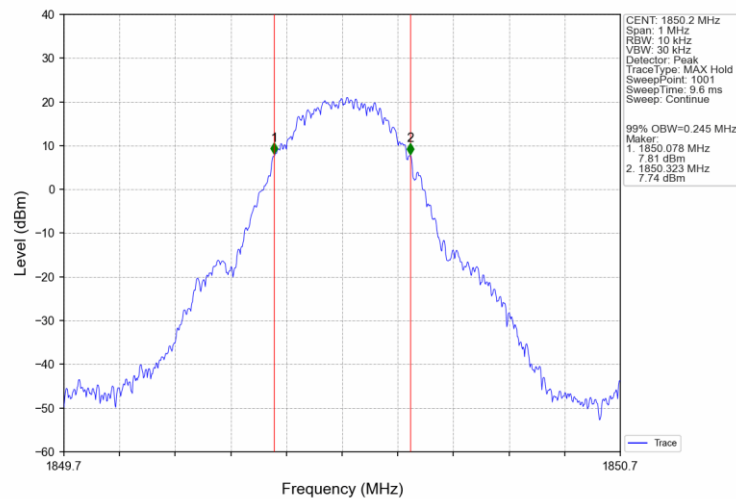




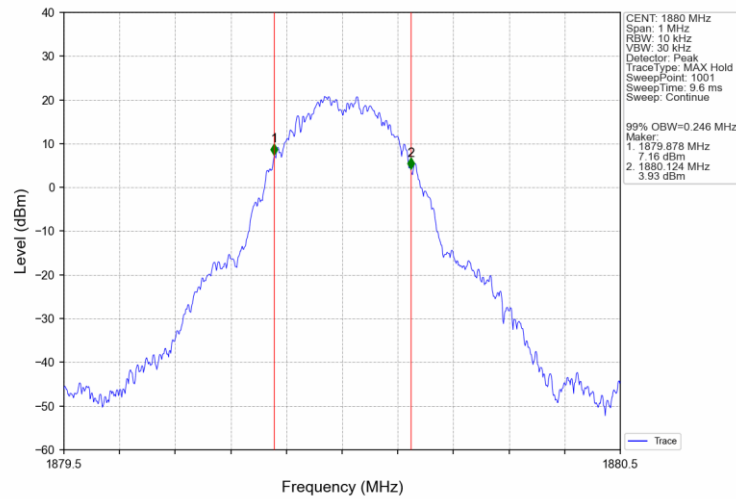
### PCS1900\_GSM\_HCH\_1909.8MHz\_GSM\_NTNV



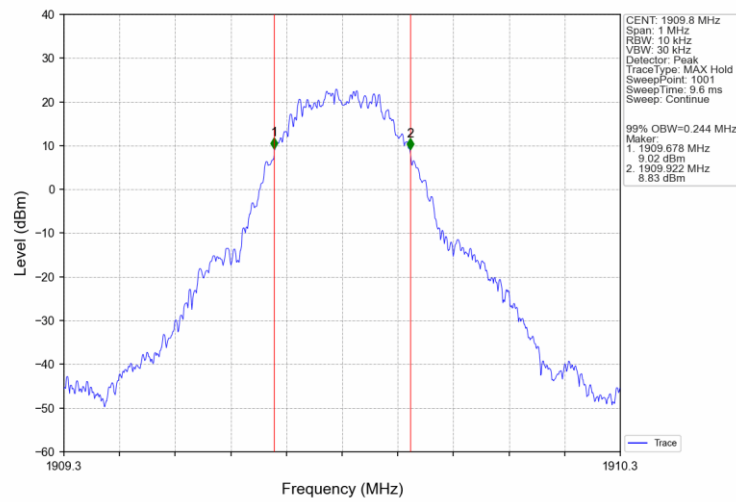
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



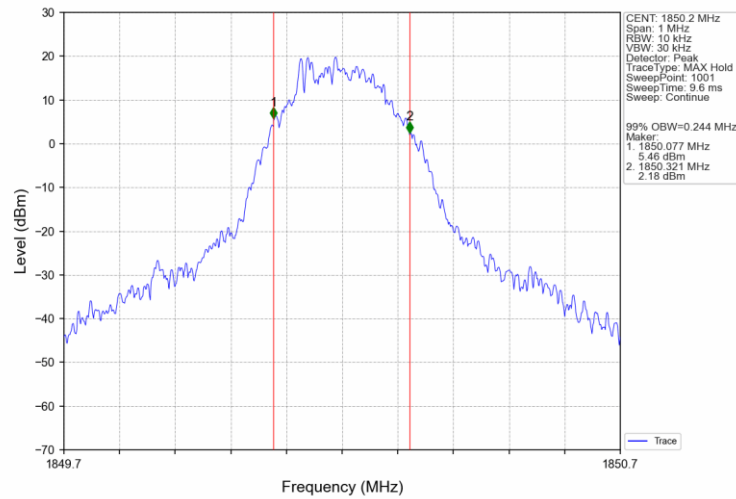
### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



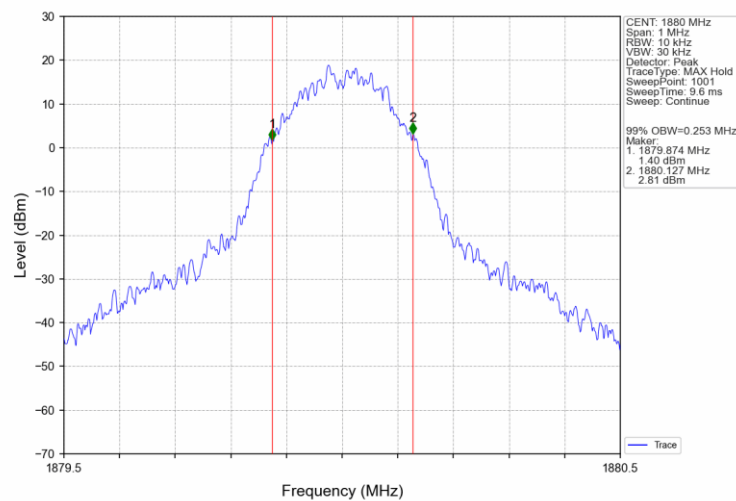
### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



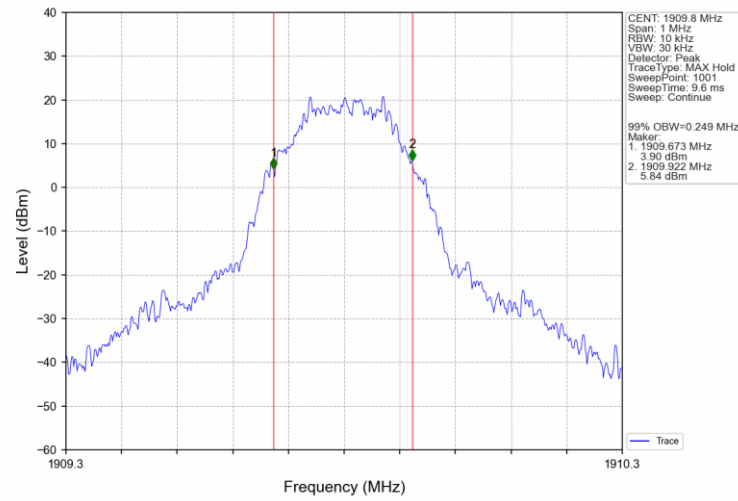
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



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

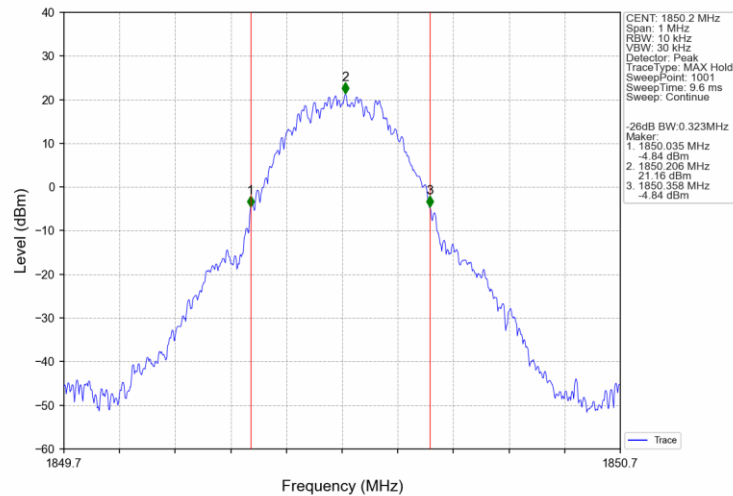


# PCS1900\_EGPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV

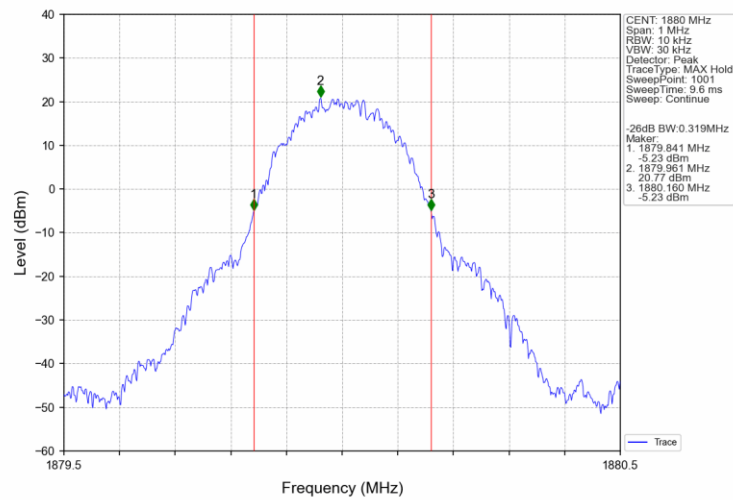


## 4.2.2 PCS1900\_XDB

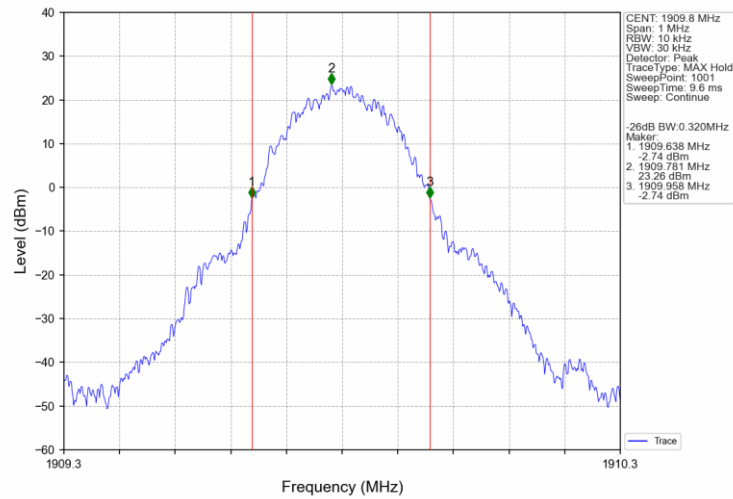
PCS1900 GSM LCH 1850.2MHz GSM NTN



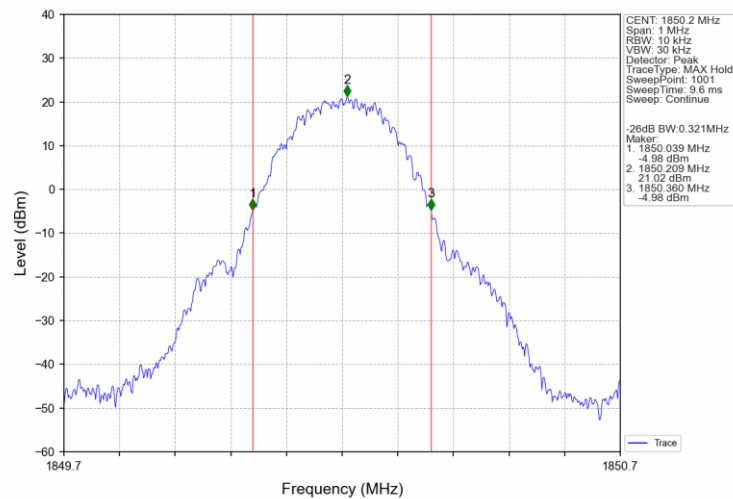
PCS1900 GSM MCH 1880MHz GSM NTN



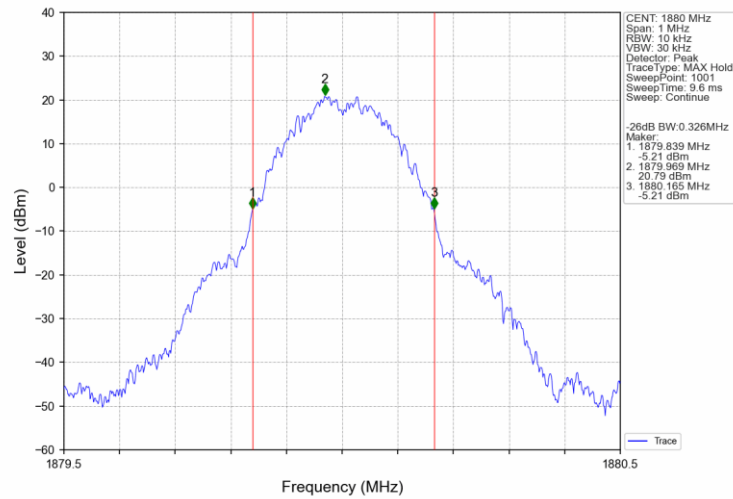
### PCS1900\_GSM\_HCH\_1909.8MHz\_GSM\_NTNV



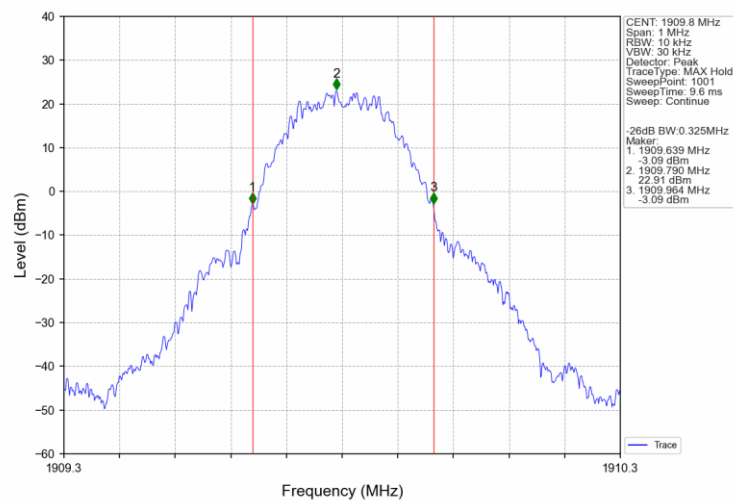
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



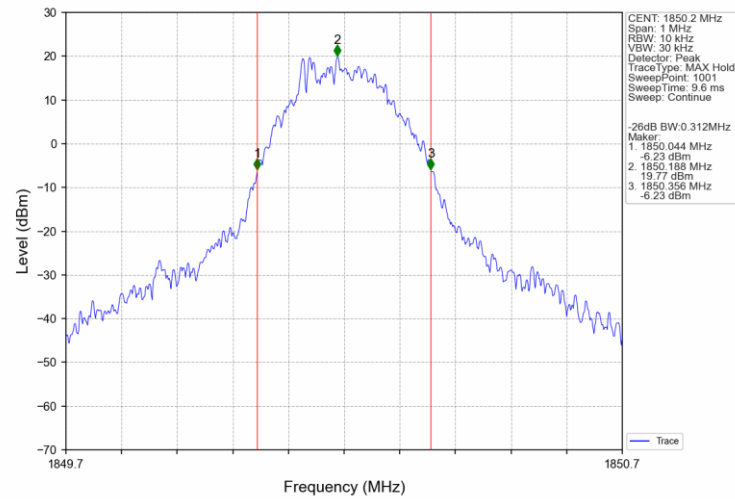
### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



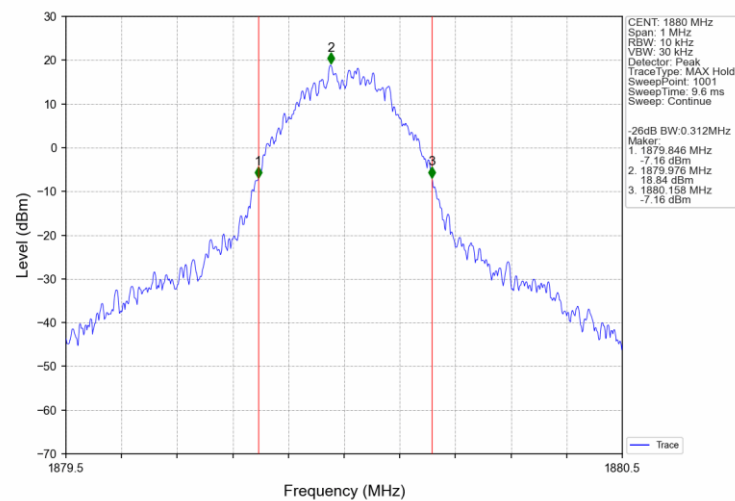
### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



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

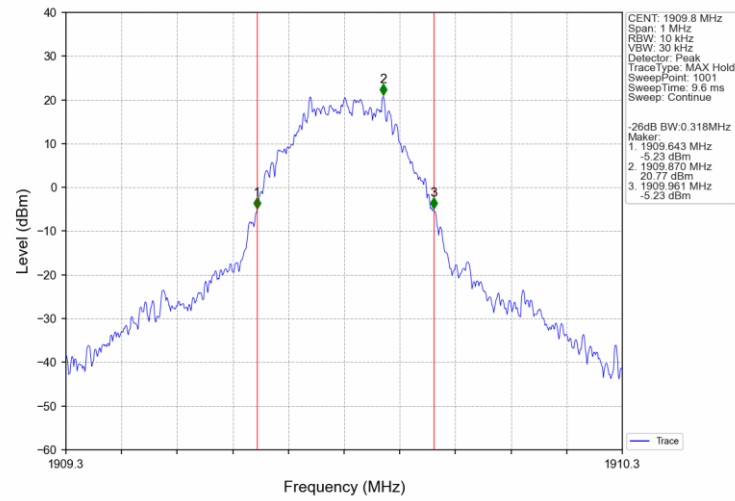


### PCS1900\_EGPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV





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



## 5. Peak-Average Ratio

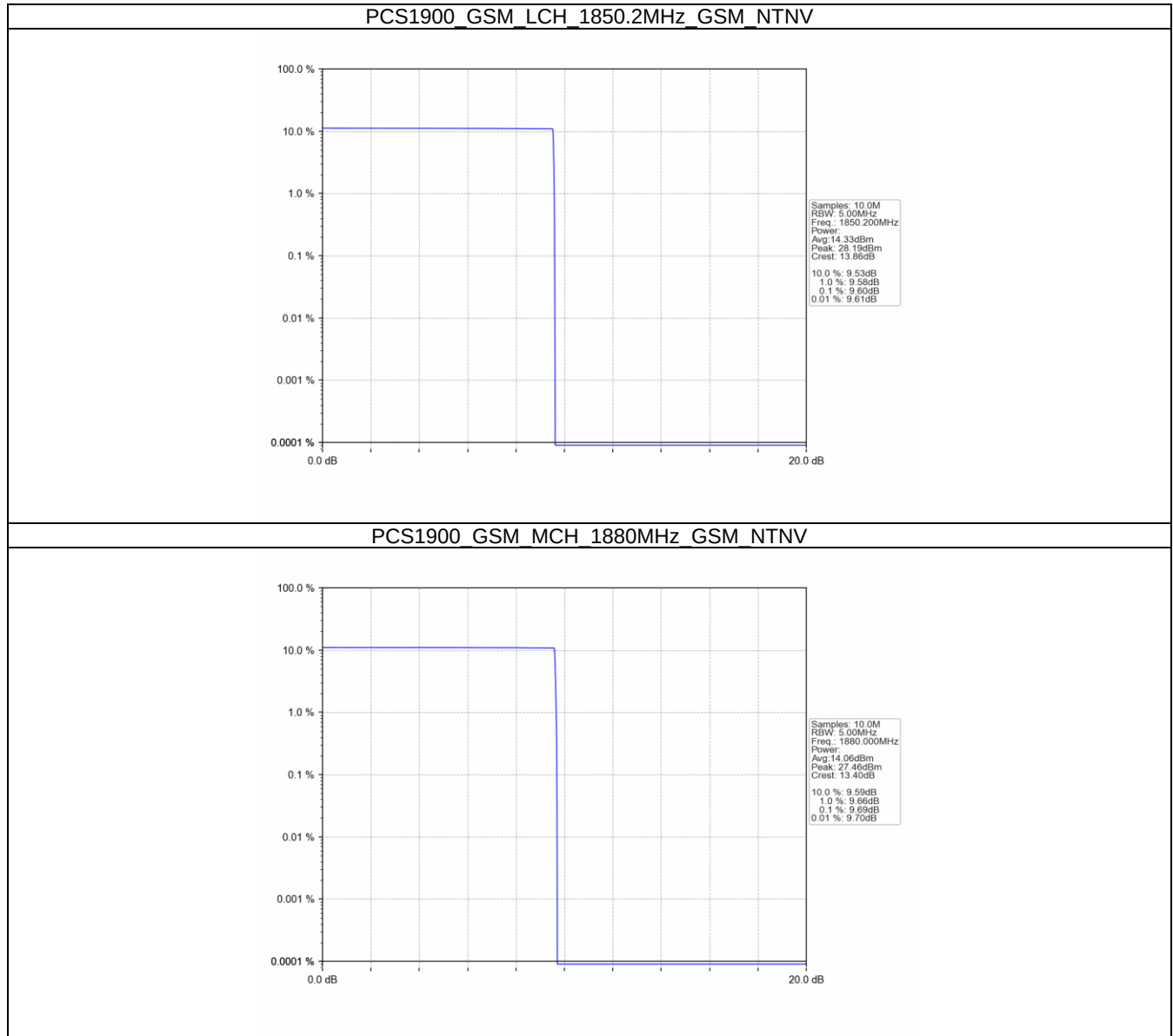
### 5.1 Test Result

#### 5.1.1 PCS1900

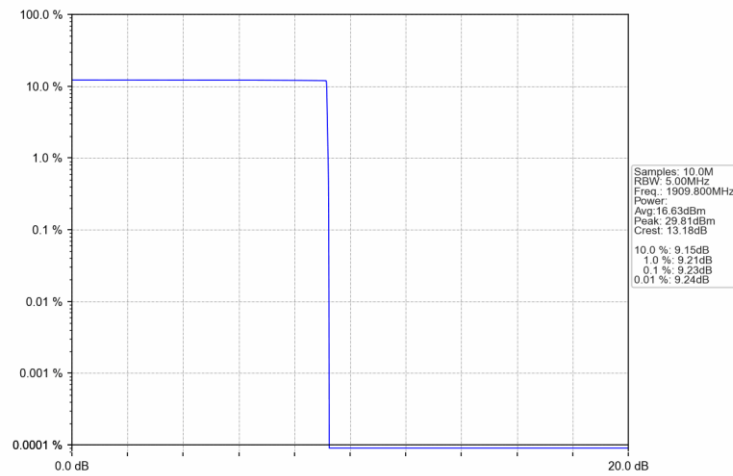
| Band: PCS1900 |         |            |                 |                         |       |         |
|---------------|---------|------------|-----------------|-------------------------|-------|---------|
| ENV           | Mode    |            | Frequency (MHz) | Peak-Average Ratio (dB) |       | Verdict |
|               | Network | Subset     |                 | Result                  | Limit |         |
| NTNV          | GSM     | GSM        | 1850.2          | 9.60                    | <=13  | Pass    |
|               |         |            | 1880            | 9.69                    | <=13  | Pass    |
|               |         |            | 1909.8          | 9.23                    | <=13  | Pass    |
|               | GPRS    | 4 TX Slots | 1850.2          | 3.73                    | <=13  | Pass    |
|               |         |            | 1880            | 3.55                    | <=13  | Pass    |
|               |         |            | 1909.8          | 3.65                    | <=13  | Pass    |
|               | EGPRS   | 4 TX Slots | 1850.2          | 7.48                    | <=13  | Pass    |
|               |         |            | 1880            | 7.78                    | <=13  | Pass    |
|               |         |            | 1909.8          | 7.48                    | <=13  | Pass    |

## 5.2 Test Graph

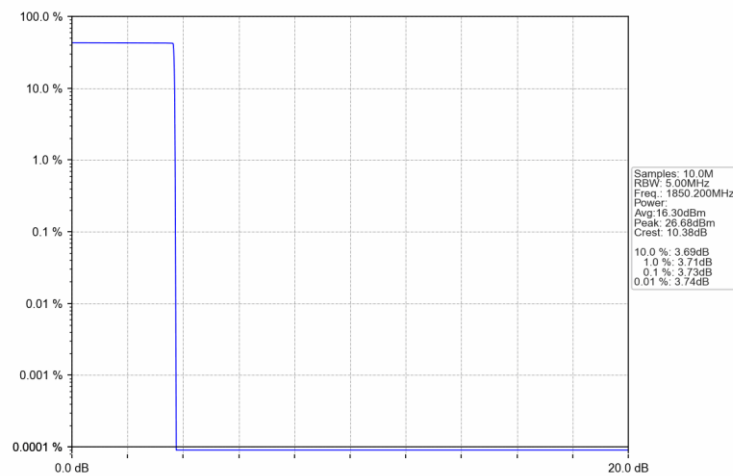
### 5.2.1 PCS1900



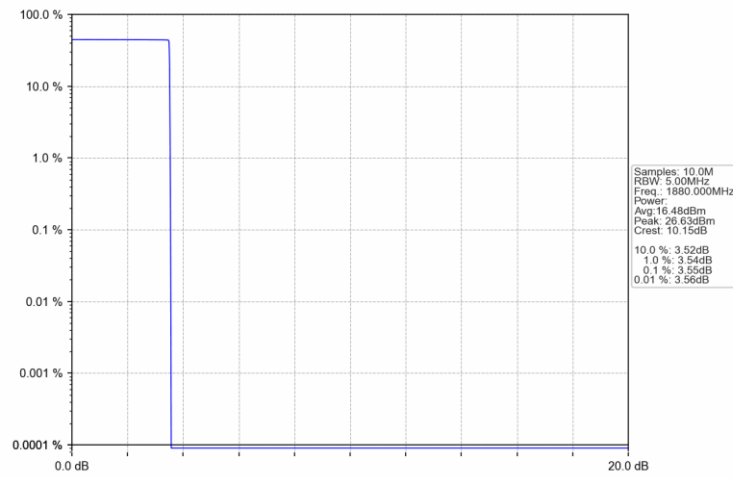
### PCS1900 GSM HCH 1909.8MHz GSM NTN



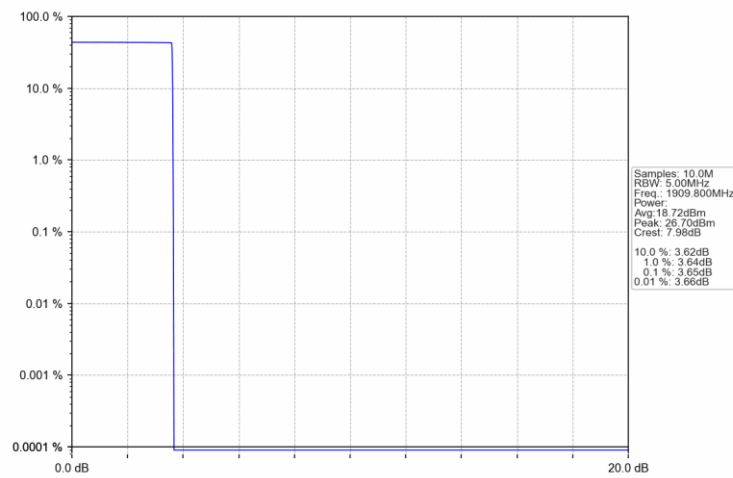
### PCS1900 GPRS LCH 1850.2MHz 4 TX Slots NTN



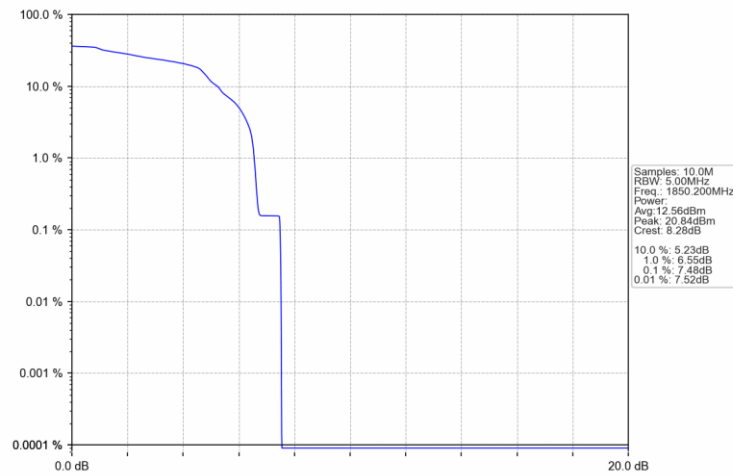
### PCS1900\_GPRS\_MCH\_1880MHz\_4 TX Slots\_NTNV



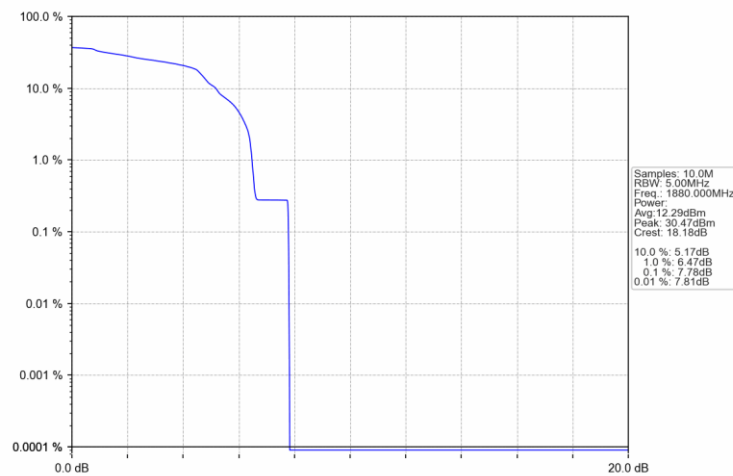
### PCS1900\_GPRS\_HCH\_1909.8MHz\_4 TX Slots\_NTNV



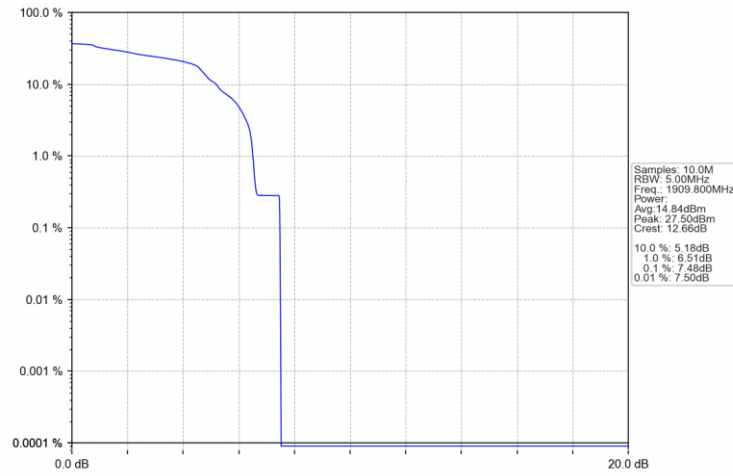
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_4 TX Slots\_NTNV



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



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



## 6. Spurious Emission

### 6.1 Test Result

#### 6.1.1 PCS1900

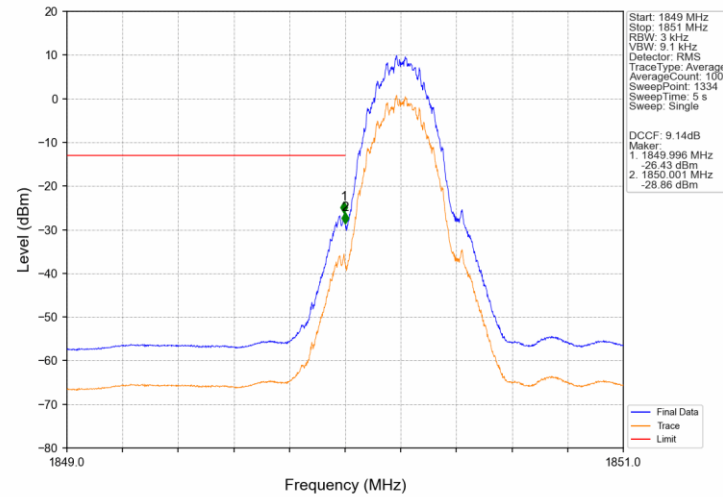
| Band: PCS1900 |         |           |                 |                     |       |         |
|---------------|---------|-----------|-----------------|---------------------|-------|---------|
| ENV           | Mode    |           | Frequency (MHz) | Spurious Emission   |       | Verdict |
|     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



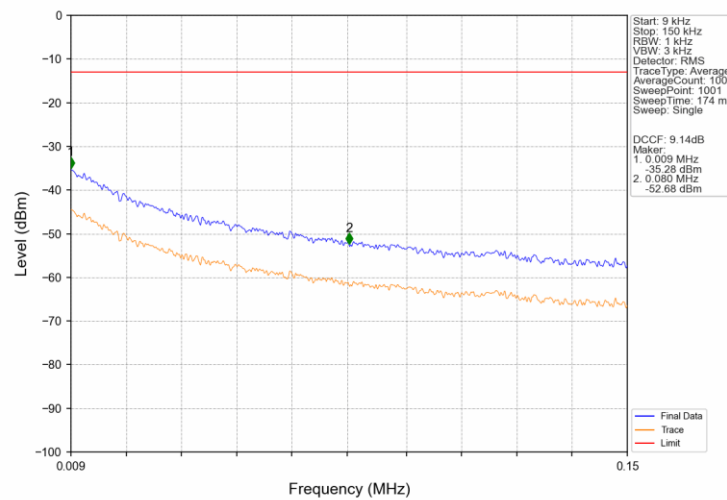
## 6.2 Test Graph

### 6.2.1 PCS1900

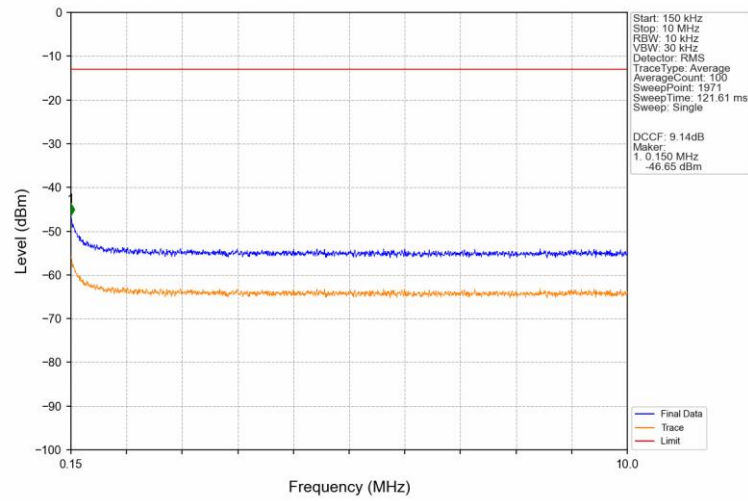
PCS1900 GSM LCH 1850.2MHz GSM NTNV



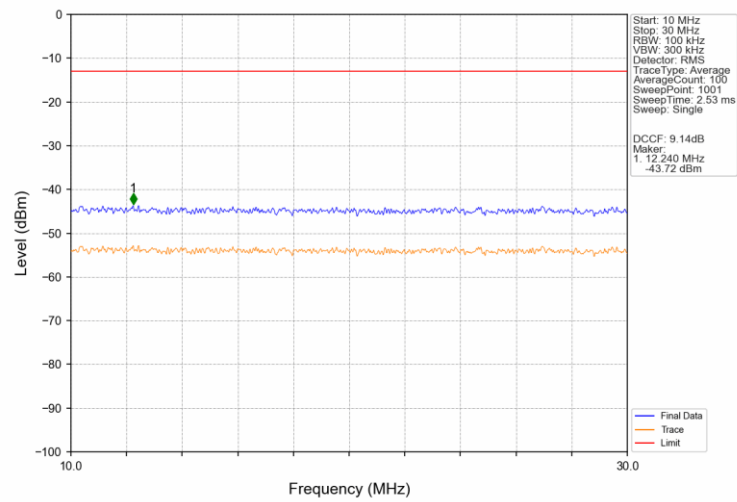
PCS1900 GSM LCH 1850.2MHz GSM NTNV



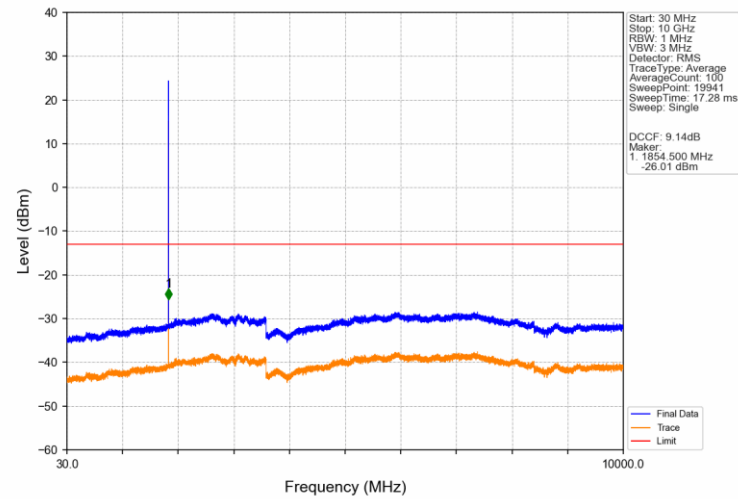
### PCS1900\_GSM\_LCH\_1850.2MHz\_GSM\_NTNV



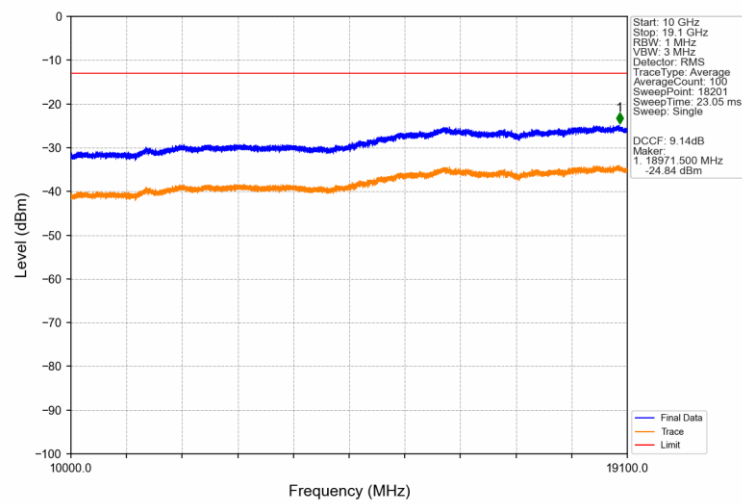
### PCS1900\_GSM\_LCH\_1850.2MHz\_GSM\_NTNV



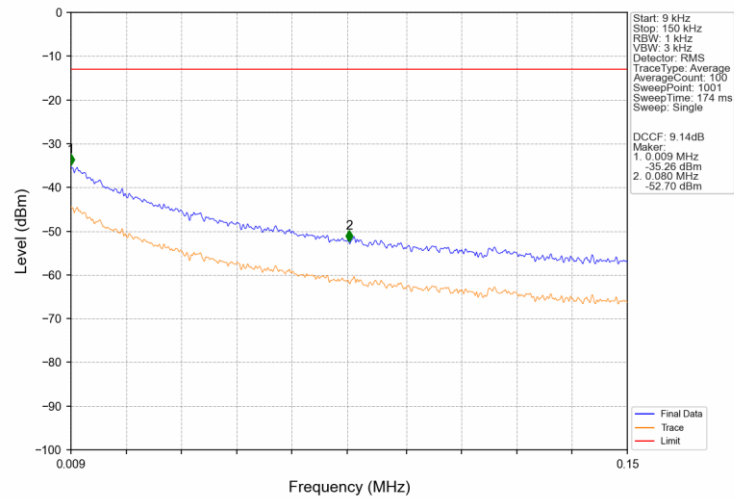
### PCS1900\_GSM\_LCH\_1850.2MHz\_GSM\_NTNV



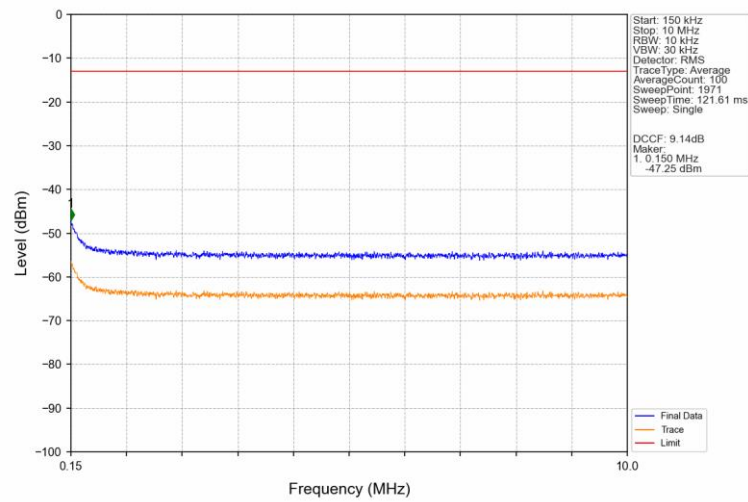
### PCS1900\_GSM\_LCH\_1850.2MHz\_GSM\_NTNV



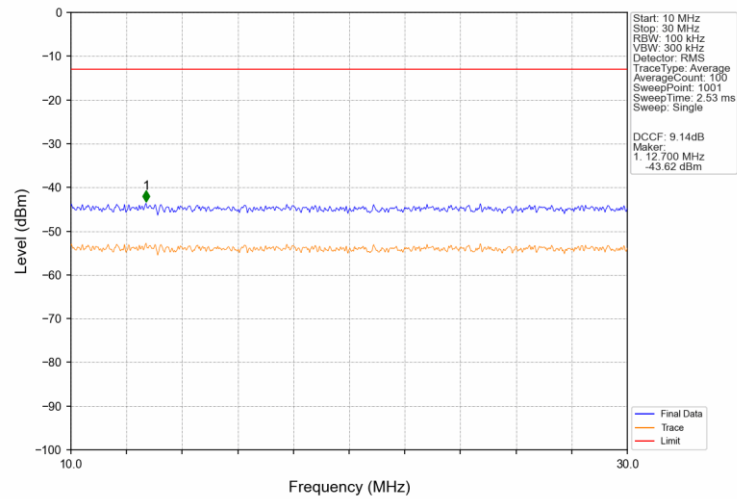
### PCS1900\_GSM\_MCH\_1880MHz\_GSM\_NTNV



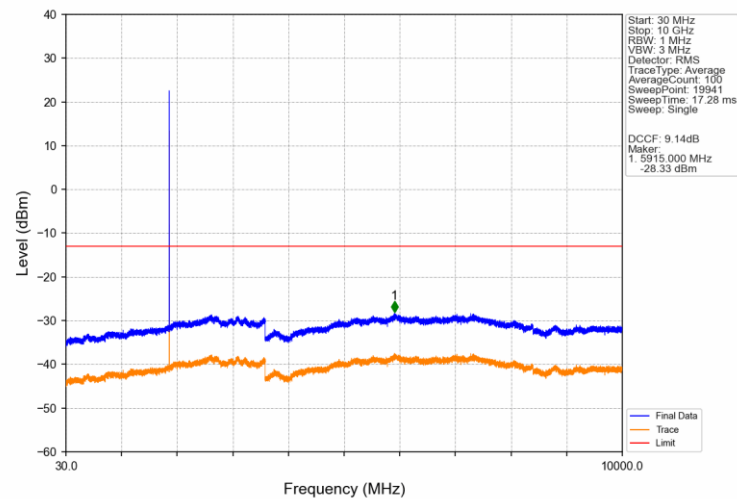
### PCS1900\_GSM\_MCH\_1880MHz\_GSM\_NTNV



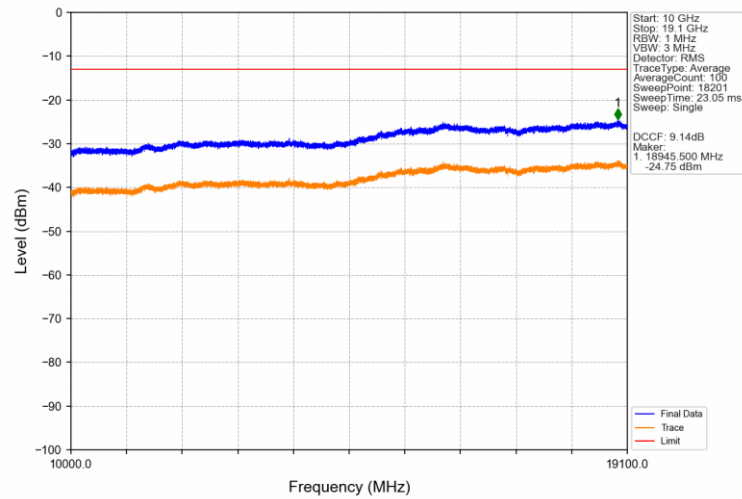
### PCS1900\_GSM\_MCH\_1880MHz\_GSM\_NTNV



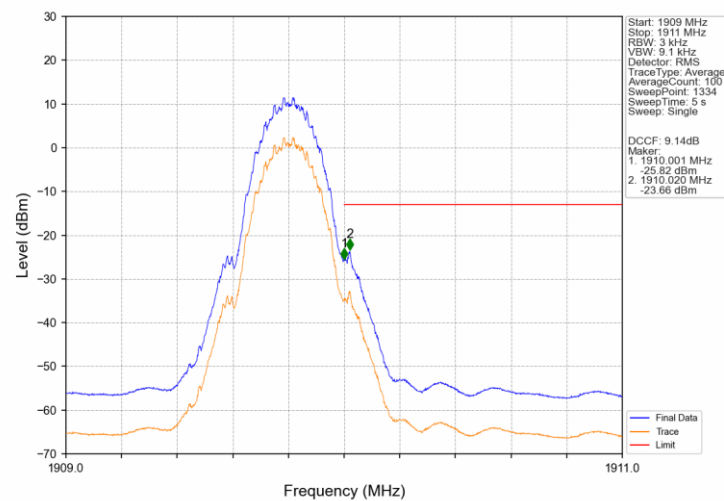
### PCS1900\_GSM\_MCH\_1880MHz\_GSM\_NTNV



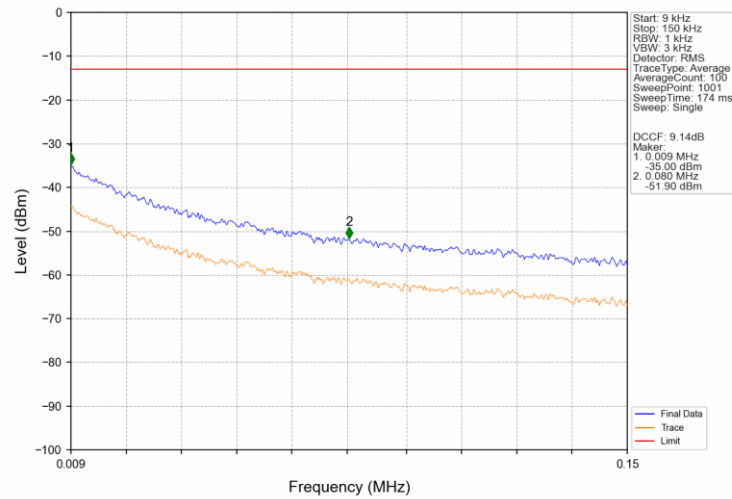
### PCS1900\_GSM\_MCH\_1880MHz\_GSM\_NTNV



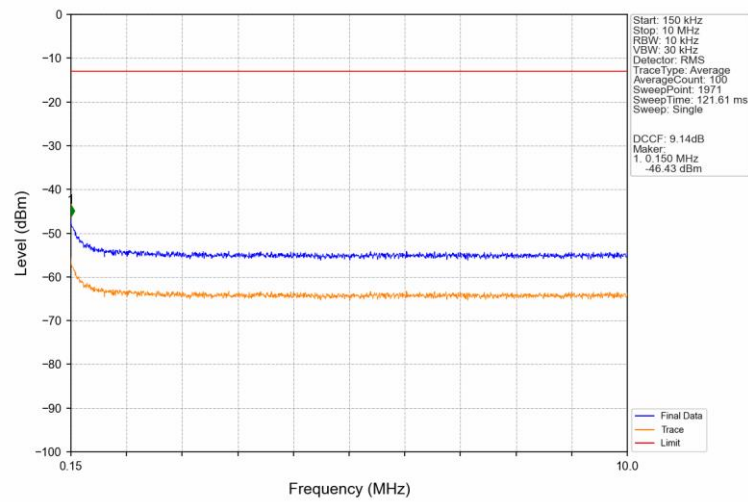
### PCS1900\_GSM\_HCH\_1909.8MHz\_GSM\_NTNV



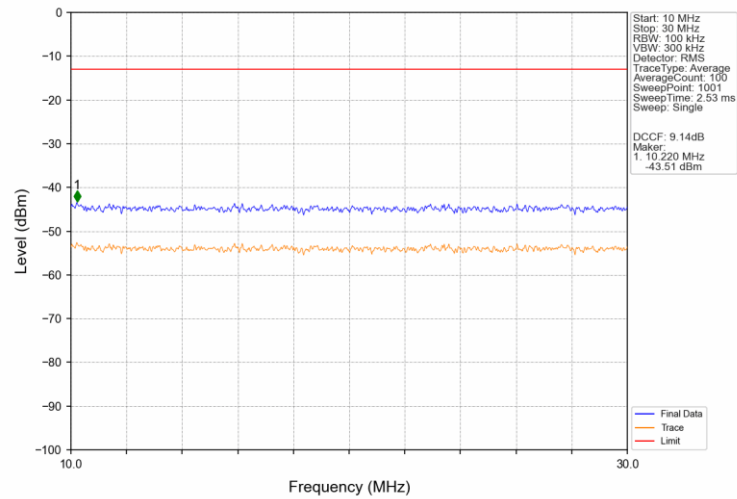
### PCS1900\_GSM\_HCH\_1909.8MHz\_GSM\_NTNV



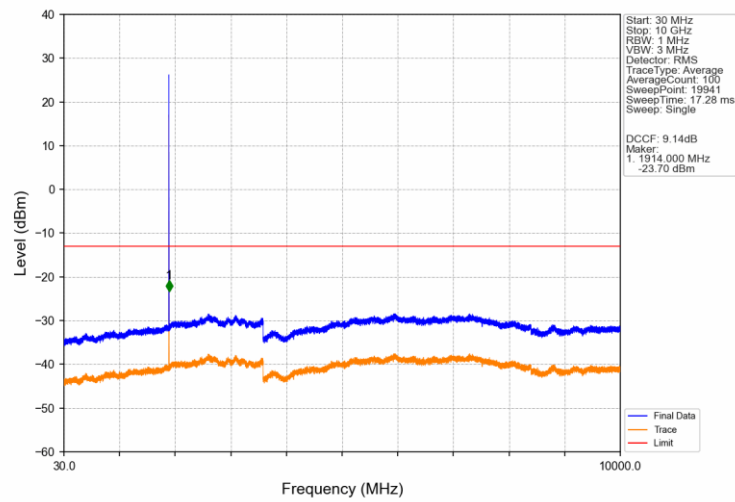
### PCS1900\_GSM\_HCH\_1909.8MHz\_GSM\_NTNV



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

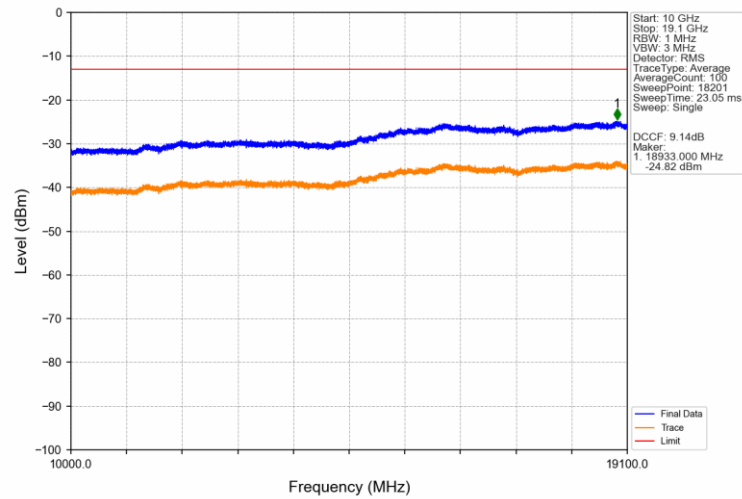


### PCS1900\_GSM\_HCH\_1909.8MHz\_GSM\_NTNV

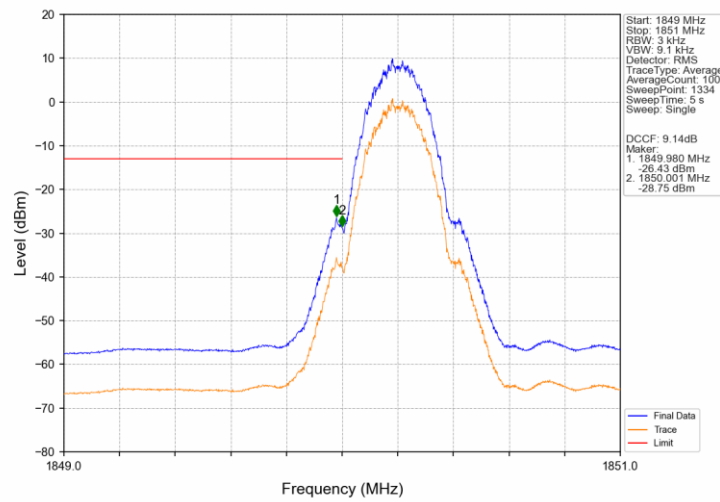




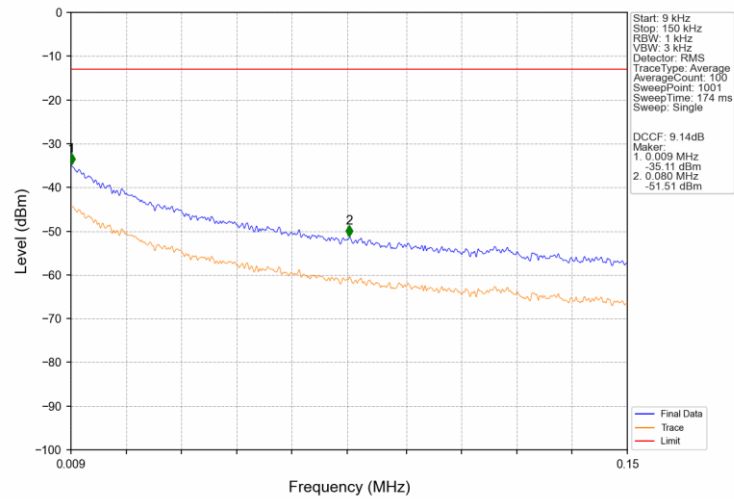
### PCS1900\_GSM\_HCH\_1909.8MHz\_GSM\_NTNV



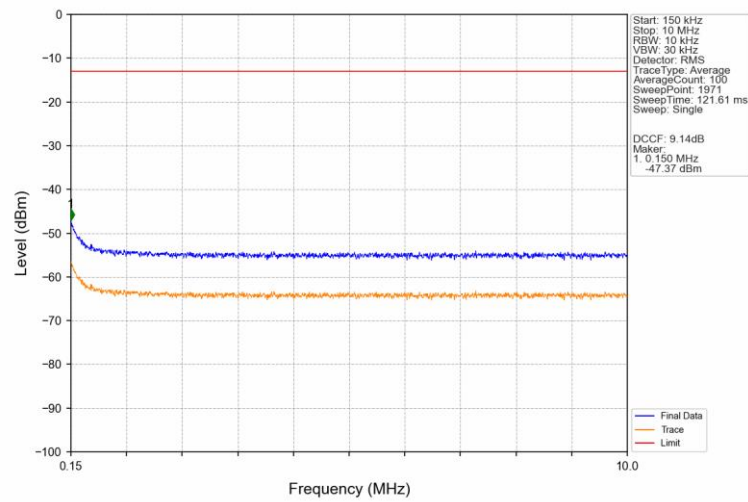
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



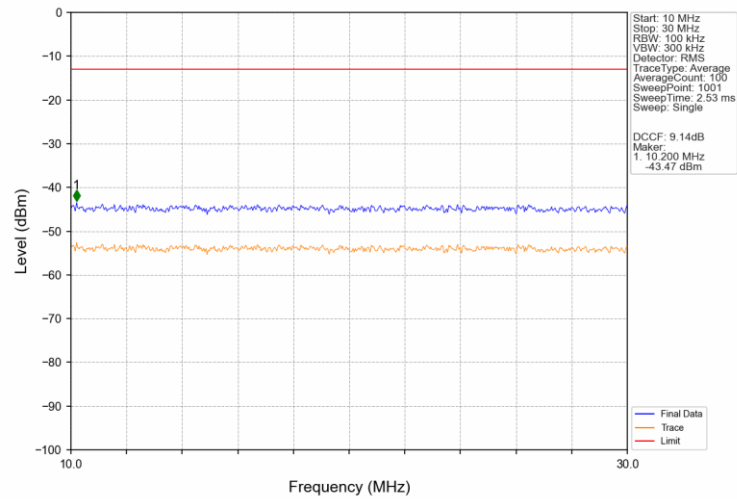
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



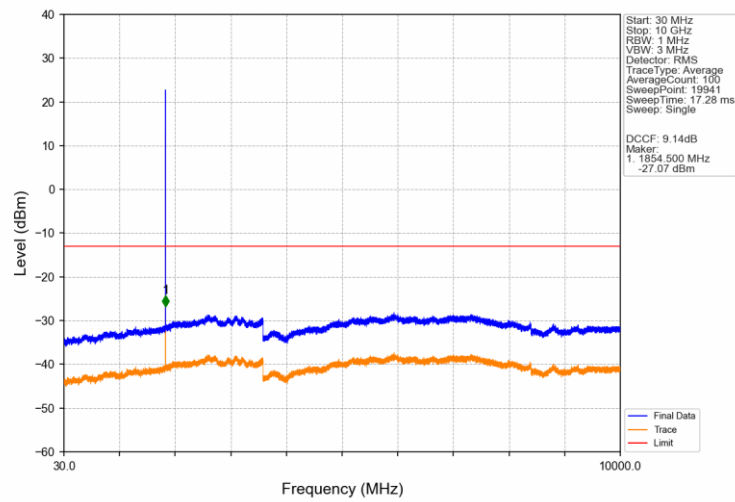
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



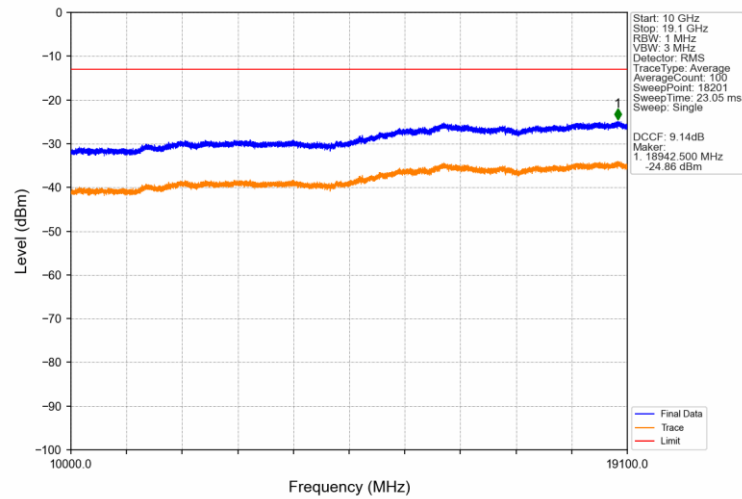
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



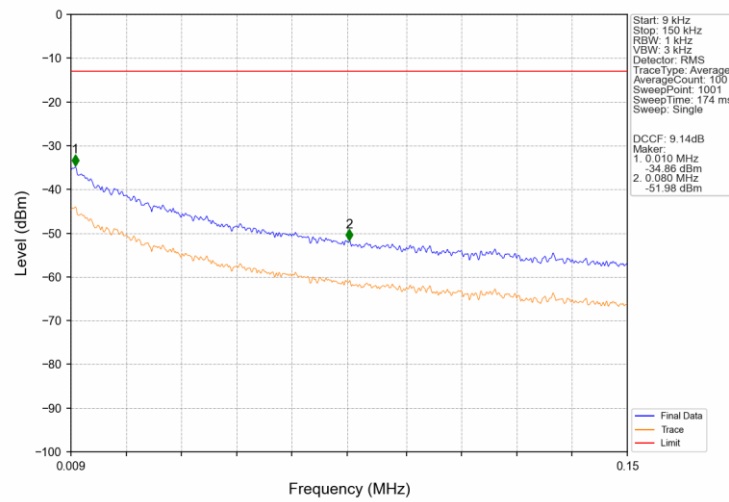
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



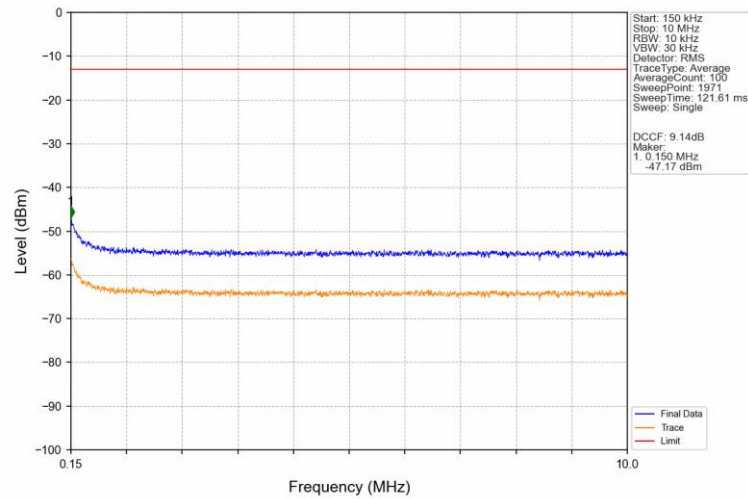
### PCS1900\_GPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



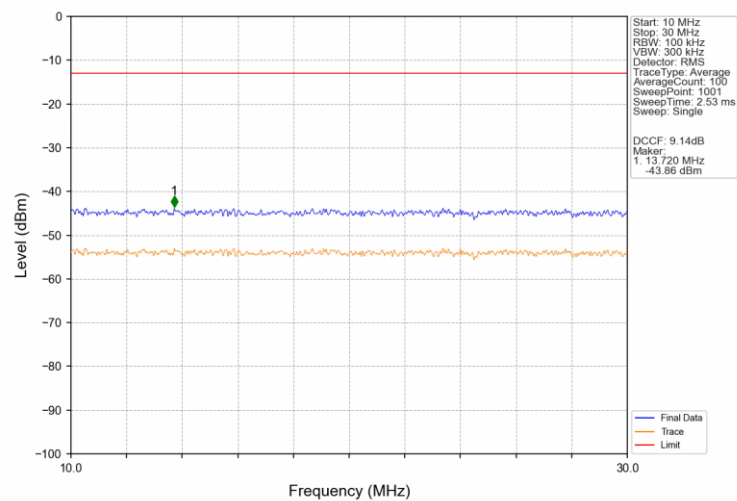
### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



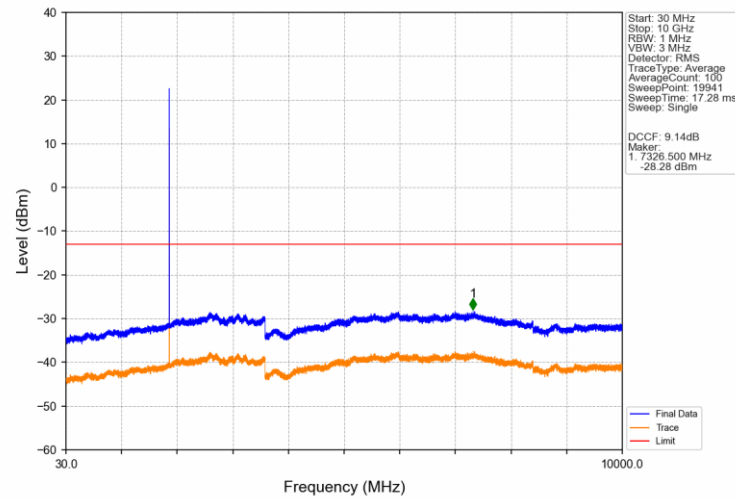
### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



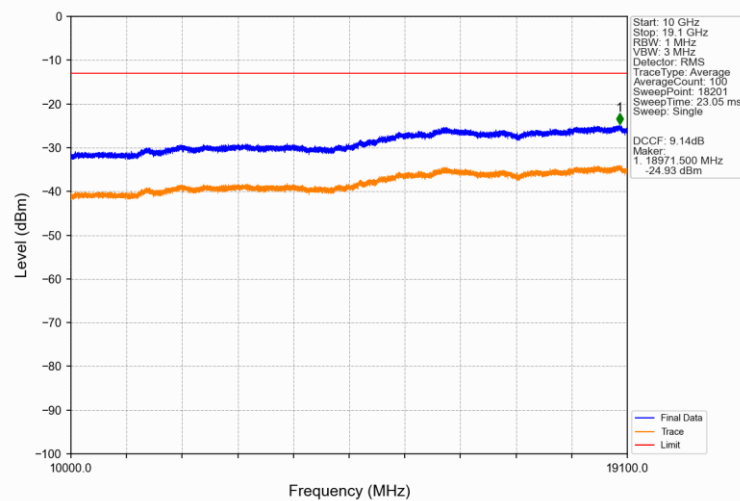
### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



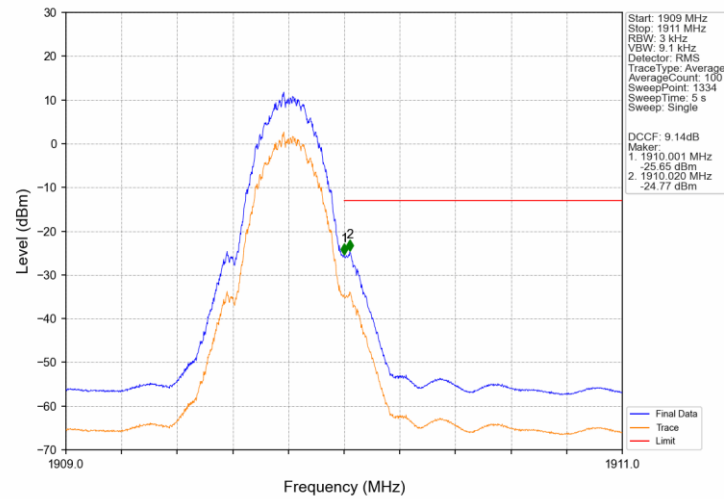
### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



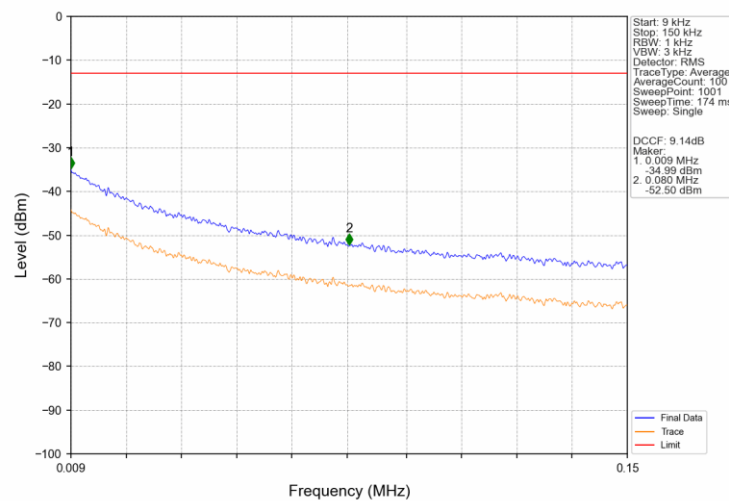
### PCS1900\_GPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



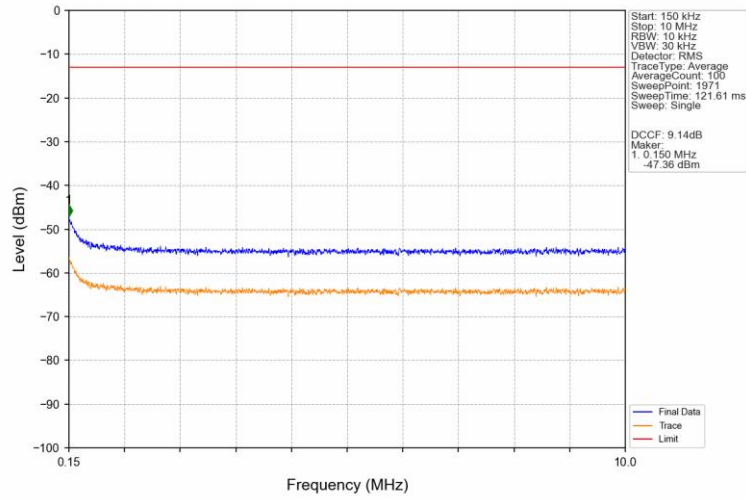
### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



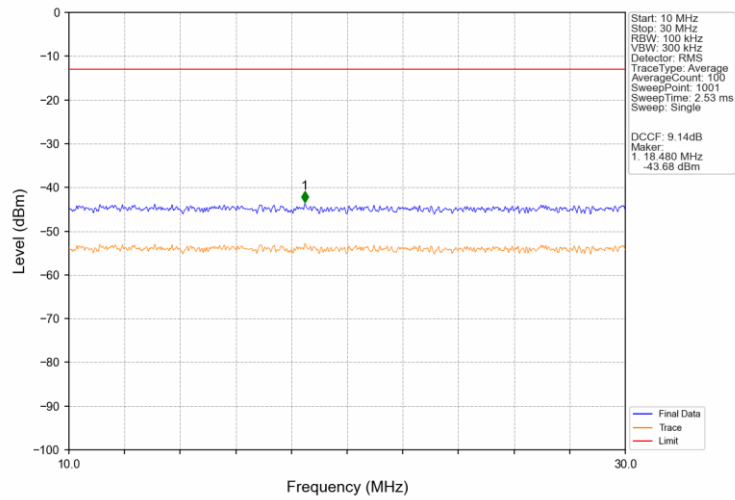
### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



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

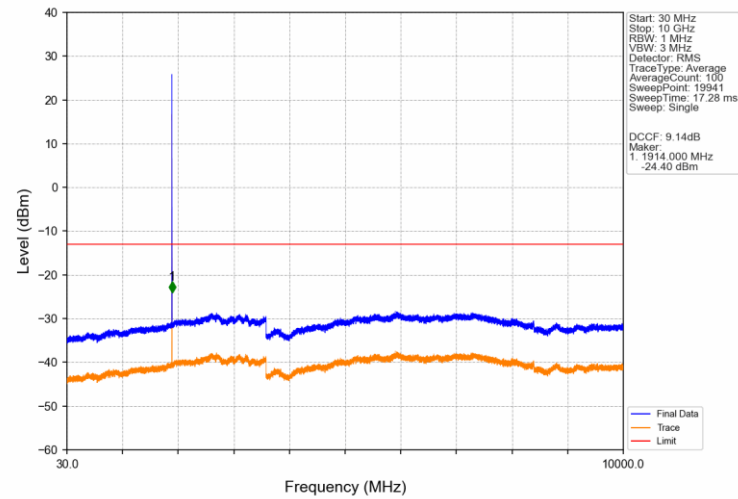


### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV

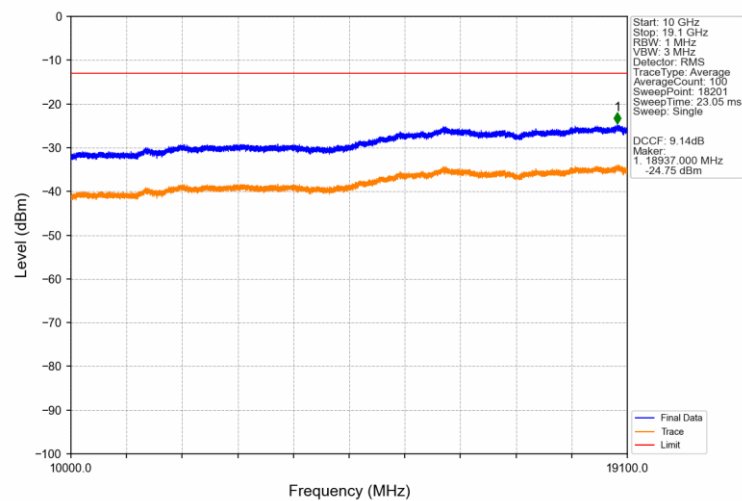




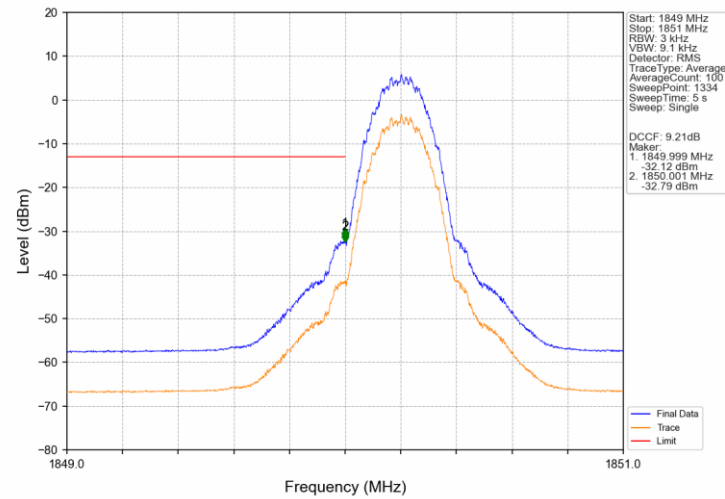
### PCS1900\_GPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



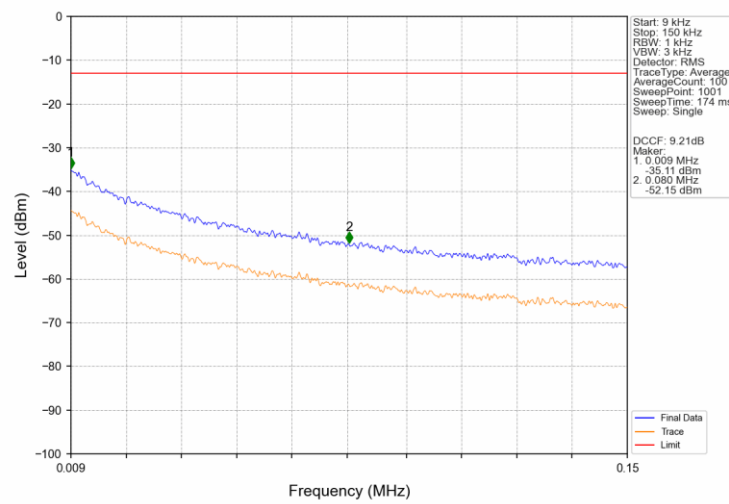
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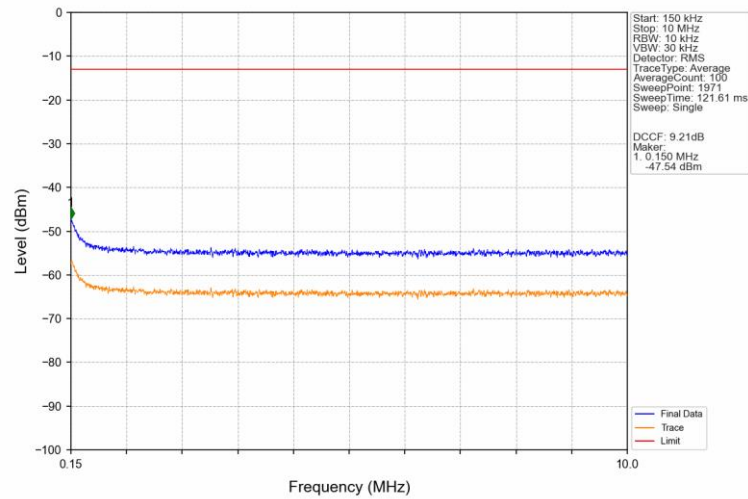
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



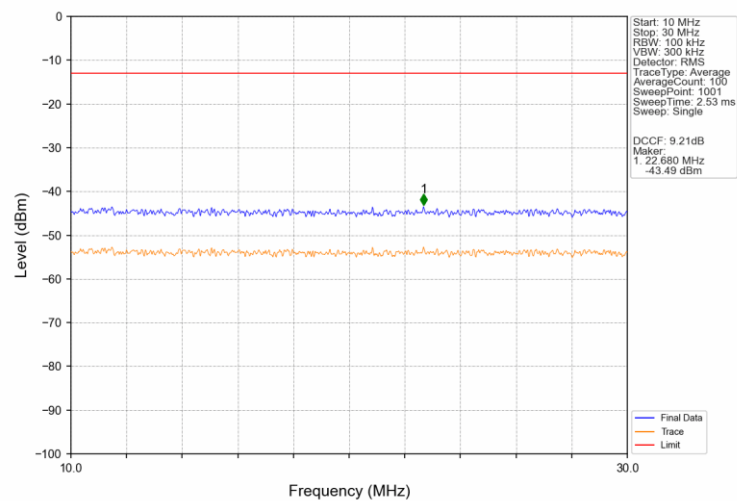
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



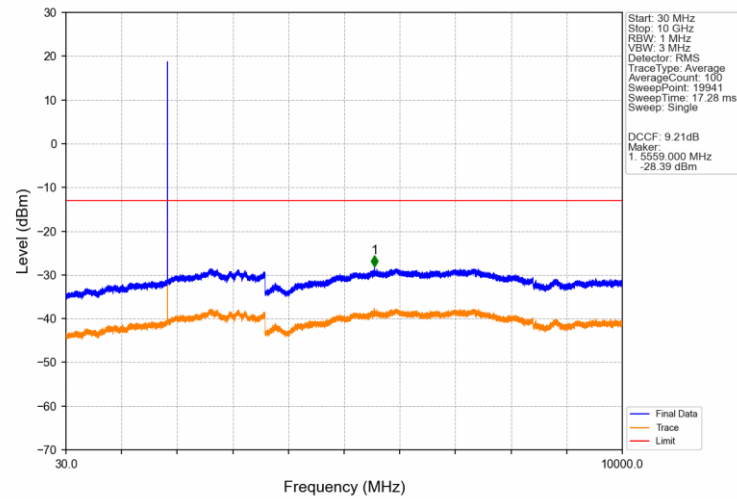
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



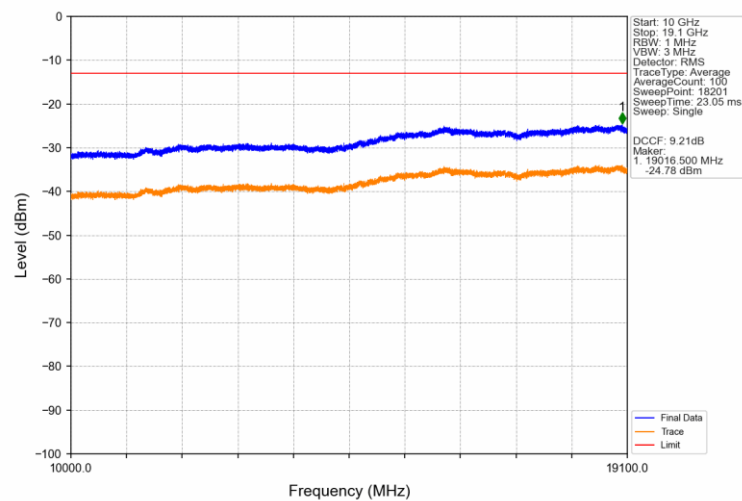
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



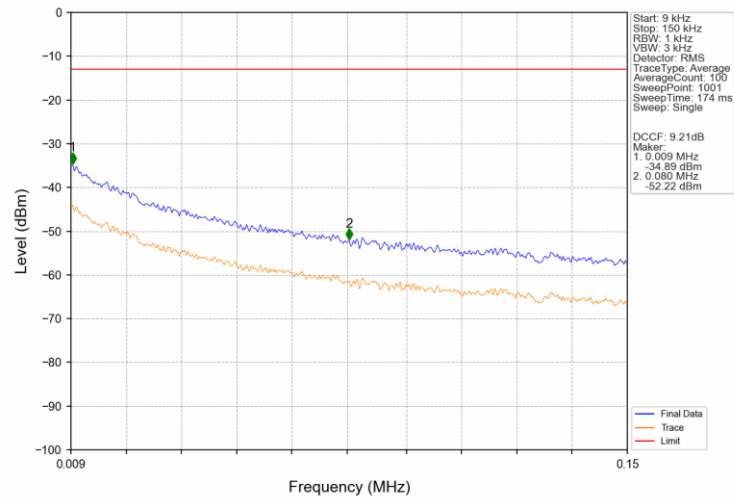
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



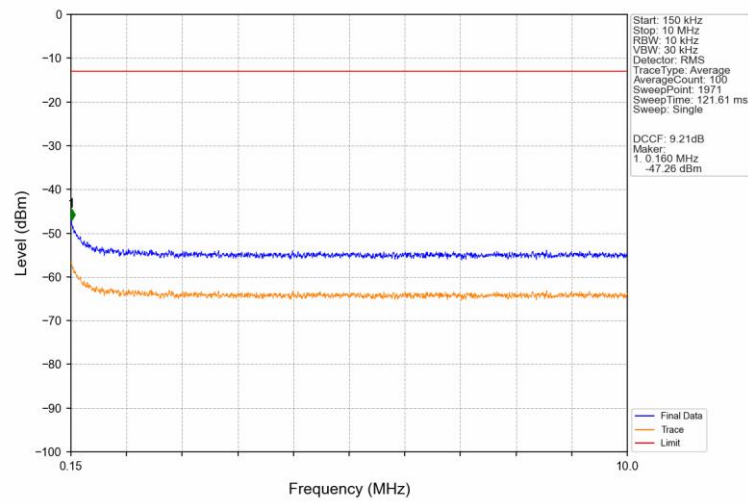
### PCS1900\_EGPRS\_LCH\_1850.2MHz\_1 TX Slot\_NTNV



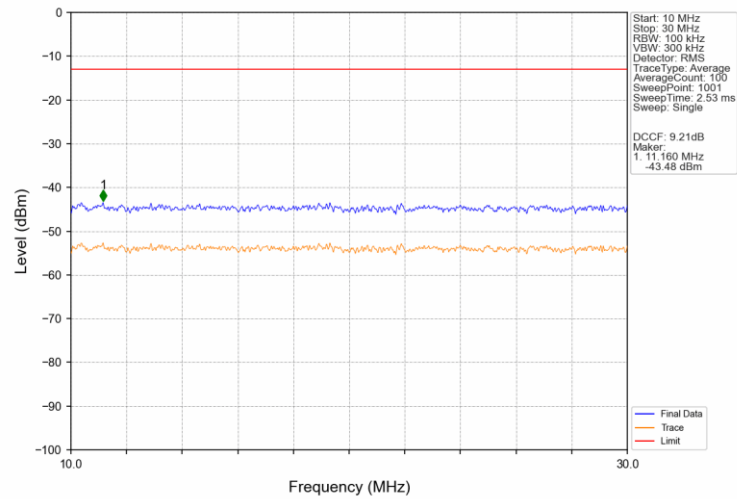
### PCS1900\_EGPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



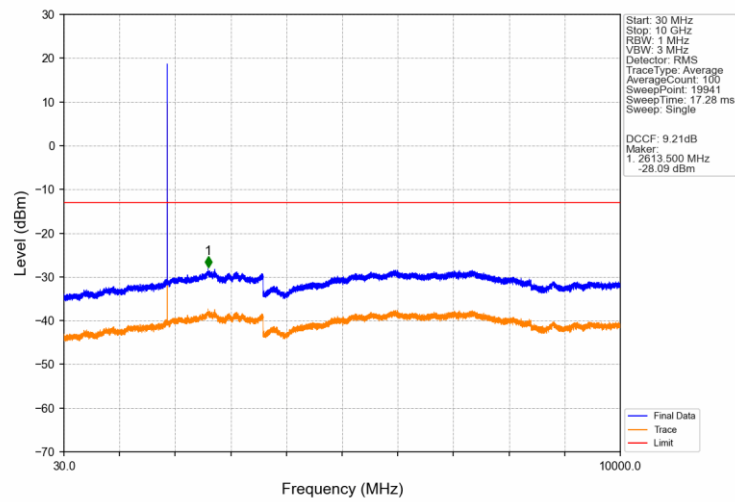
### PCS1900\_EGPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



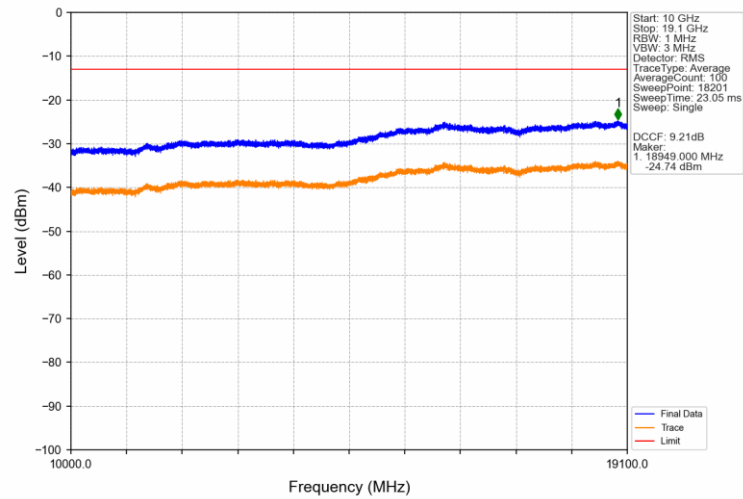
### PCS1900\_EGPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



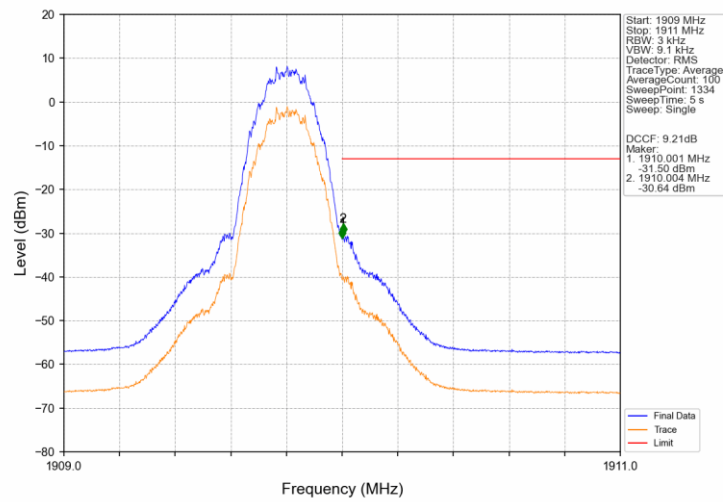
### PCS1900\_EGPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



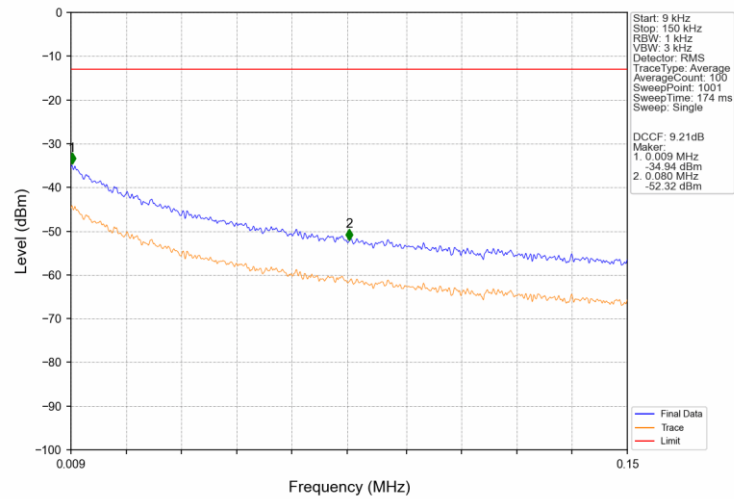
### PCS1900\_EGPRS\_MCH\_1880MHz\_1 TX Slot\_NTNV



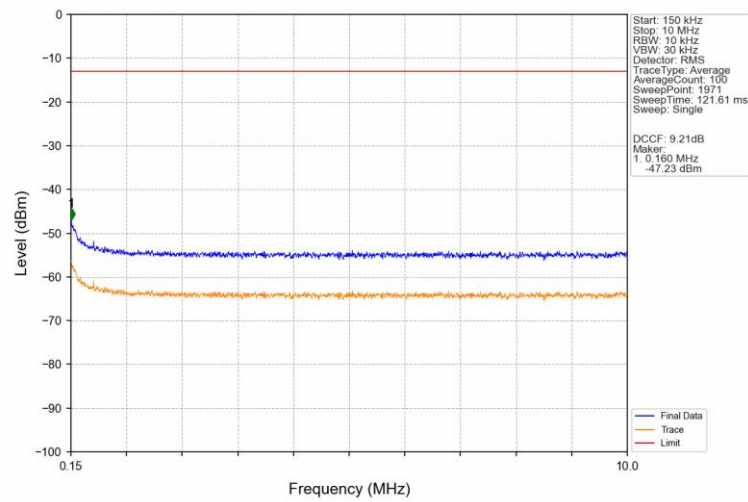
### PCS1900\_EGPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



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

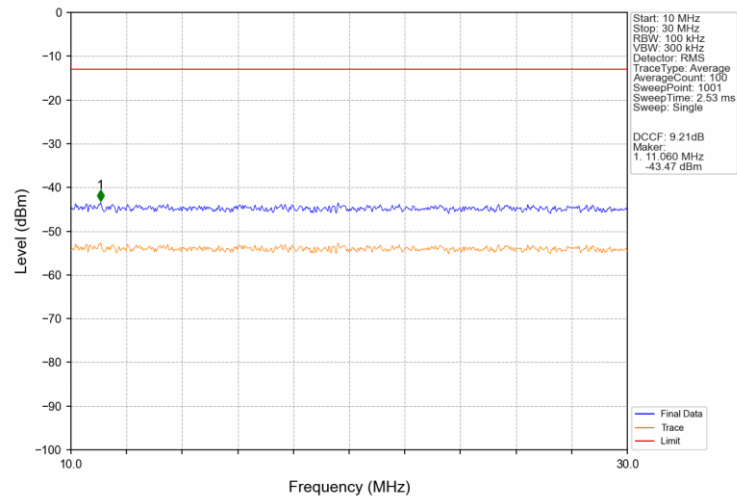


### PCS1900\_EGPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV

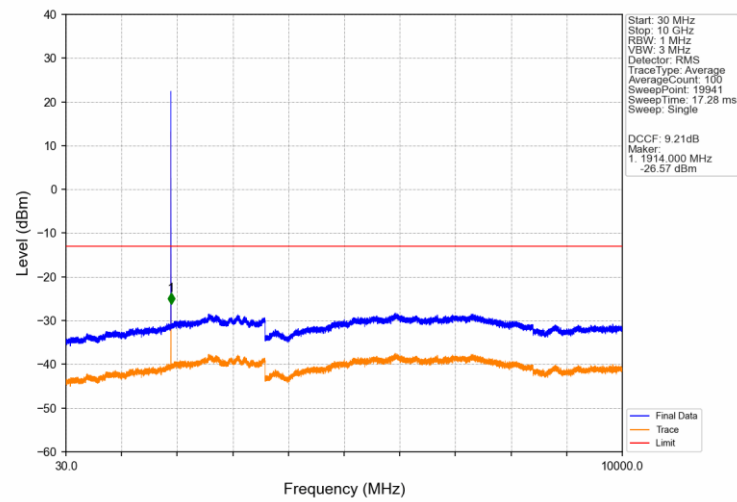




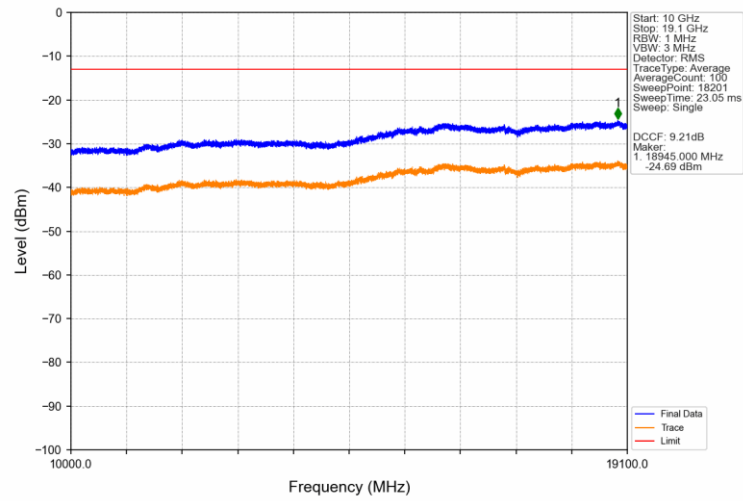
### PCS1900\_EGPRS\_HCH\_1909.8MHz\_1 TX Slot\_NTNV



### 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    | 1.1015        | 0.0231 | ppm    | 248KGXW             | 24E        | 30.42           |
| PCS1900 | 0.2 | 1850.2     | 1909.8    | 0.5176        | 0.0063 | ppm    | 253KG7W             | 24E        | 27.14           |

#### 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    | 0.6950        | 0.0231 | ppm    | 248KGXW             | 24E        | 28.42           |
| PCS1900 | 0.2 | 1850.2     | 1909.8    | 0.3266        | 0.0063 | ppm    | 253KG7W             | 24E        | 25.14           |