

# PCS 1900 Test Data

FCC ID: 2BQHT-TAB-T126-8

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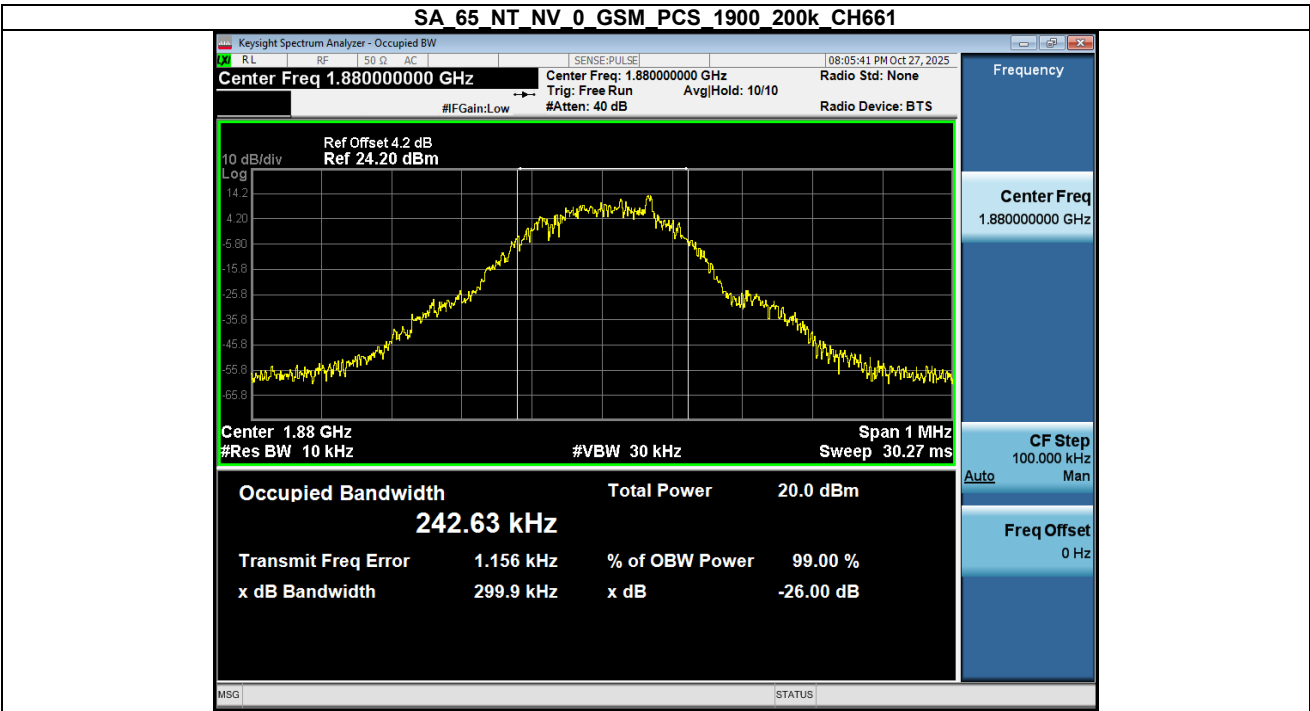
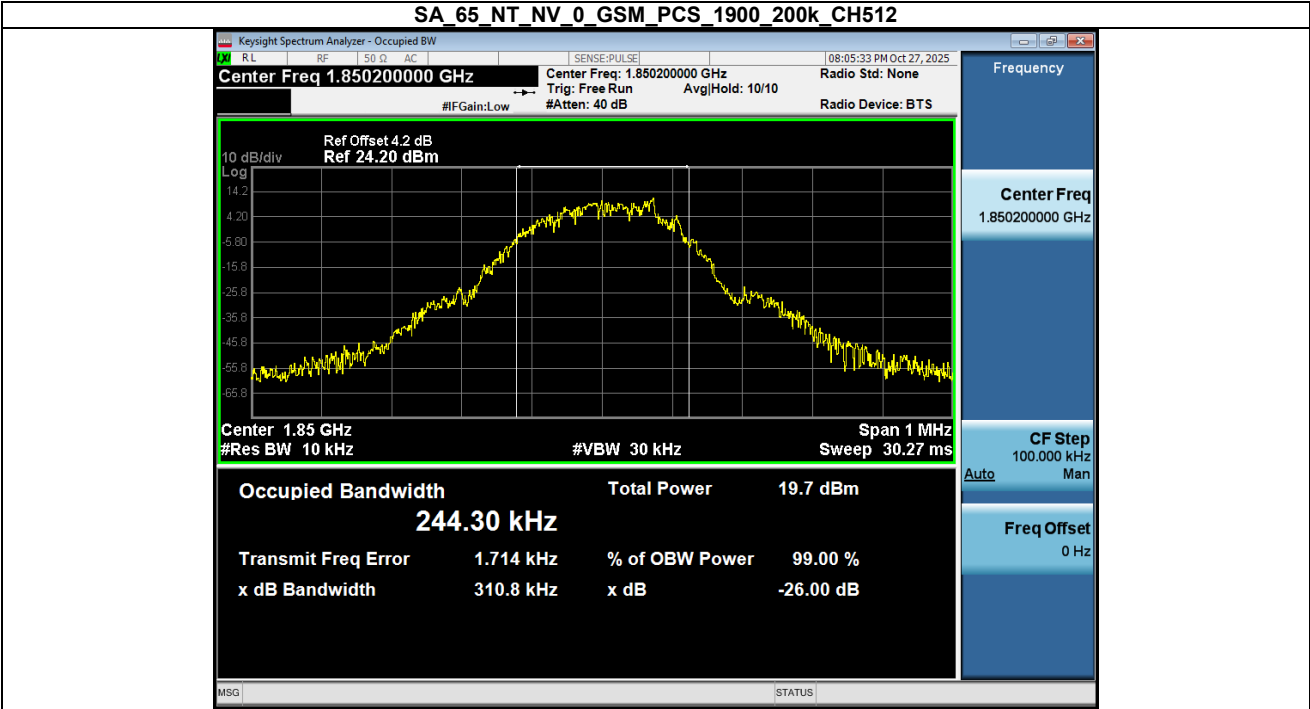
## 1. Conducted Output Power&&EIRP/ERP

| Condition | Band     | Modulation | Frequency(MHz) | Conducted Power(dBm) | ANT Gain(dBi) | EIRP(dBm)    | limit(dBm) | Result |
|-----------|----------|------------|----------------|----------------------|---------------|--------------|------------|--------|
| NVNT      | PCS 1900 | GMSK       | 1850.2         | 30.48                | 1.39          | 31.87        | 33.01      | Pass   |
| NVNT      | PCS 1900 | GMSK       | 1880.0         | 29.27                | 1.39          | 30.66        | 33.01      | Pass   |
| NVNT      | PCS 1900 | GMSK       | 1909.8         | <b>30.49</b>         | <b>1.39</b>   | <b>31.88</b> | 33.01      | Pass   |

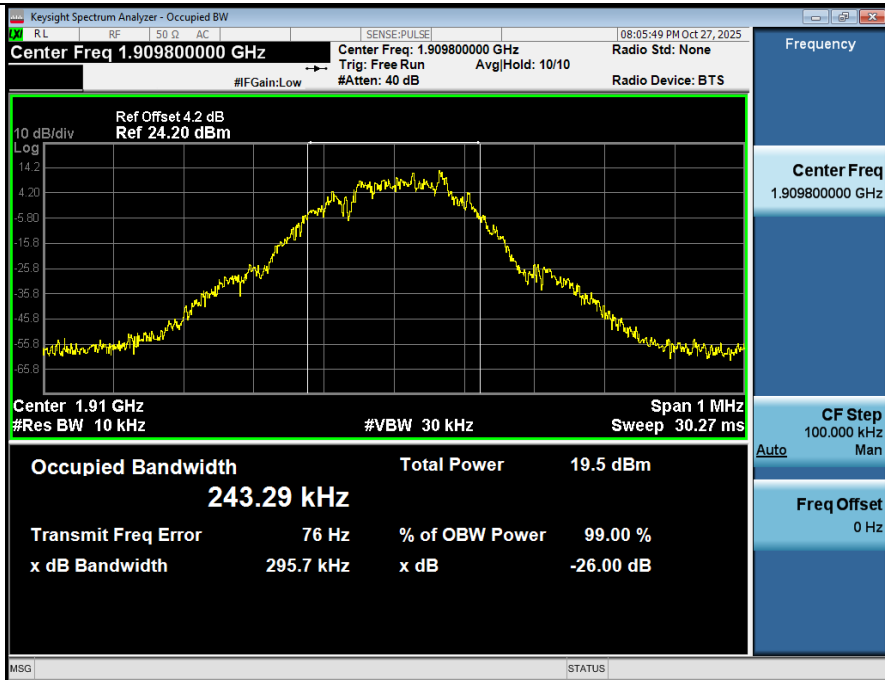
EIRP = Conducted Power + ANT Gain

2. Occupied Bandwidth

| Condition | Band     | Modulation | Frequency(MHz) | OBW(MHz) | -26EBW(MHz) |
|-----------|----------|------------|----------------|----------|-------------|
| NVNT      | PCS 1900 | GMSK       | 1850.2         | 0.2441   | 0.3108      |
| NVNT      | PCS 1900 | GMSK       | 1880.0         | 0.2426   | 0.2999      |
| NVNT      | PCS 1900 | GMSK       | 1909.8         | 0.2433   | 0.2957      |

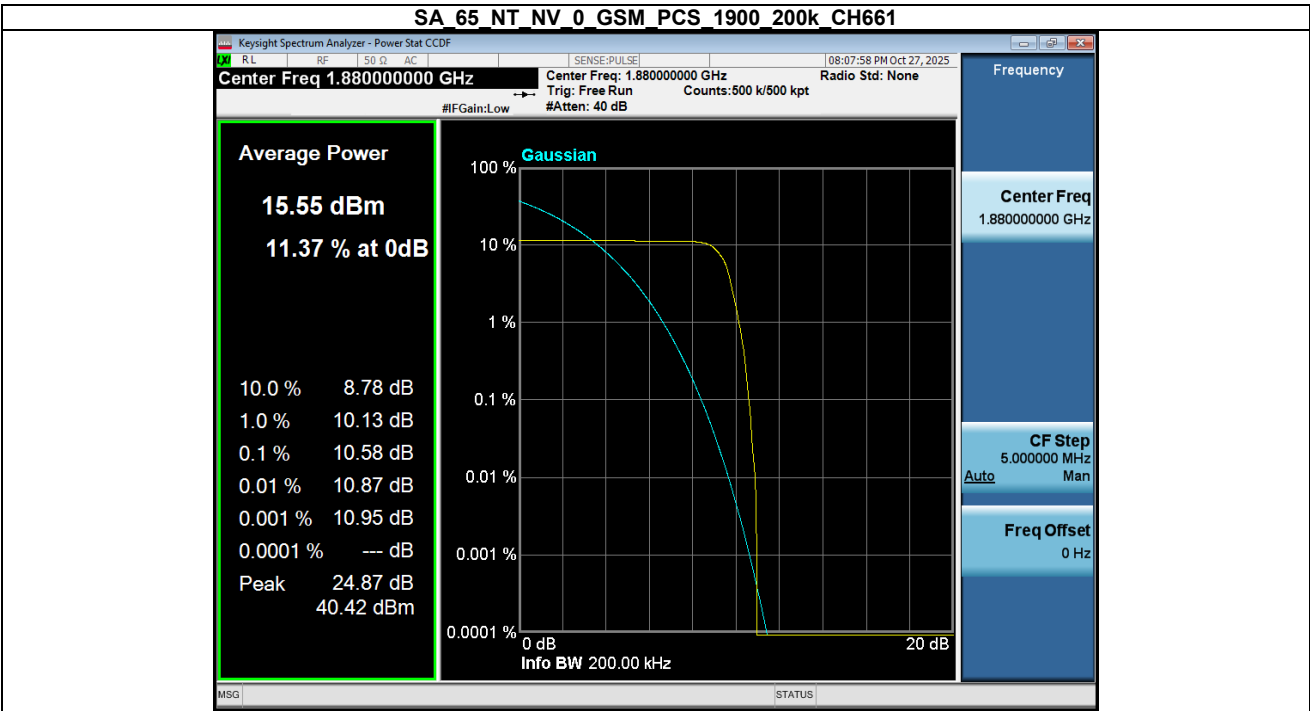
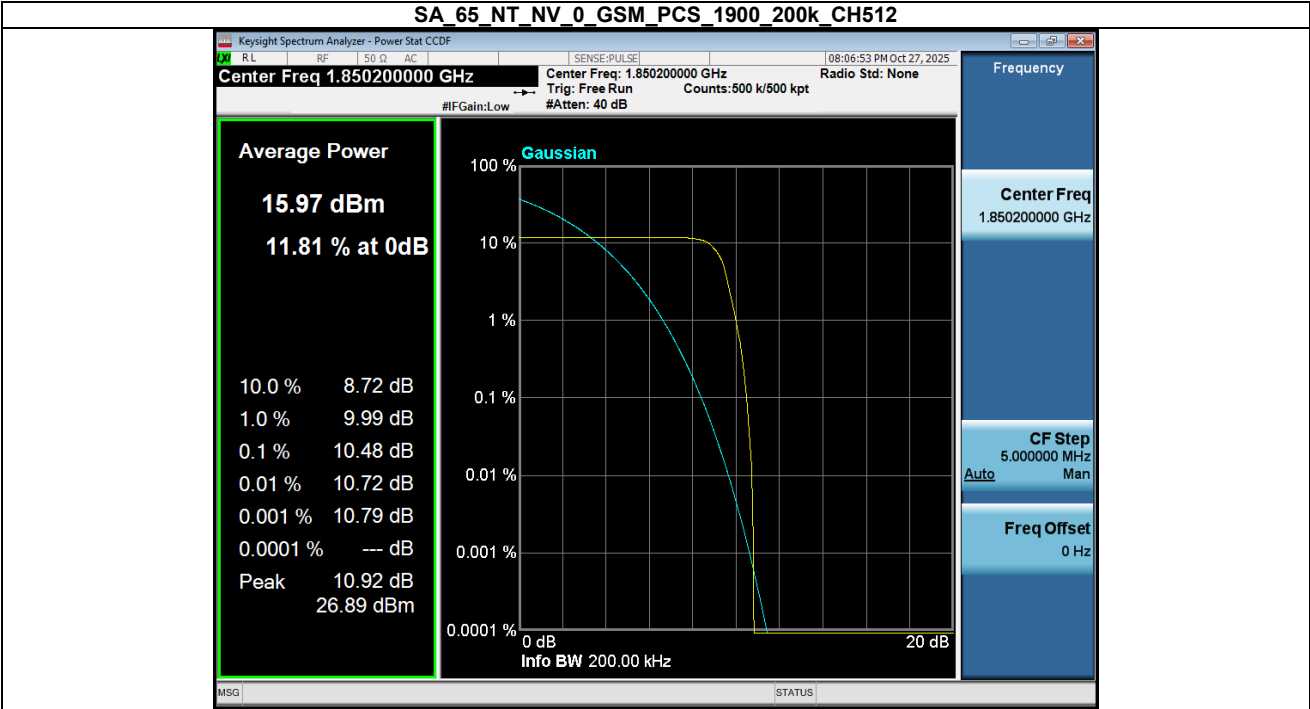


SA 65 NT NV 0 GSM PCS 1900 200k CH810

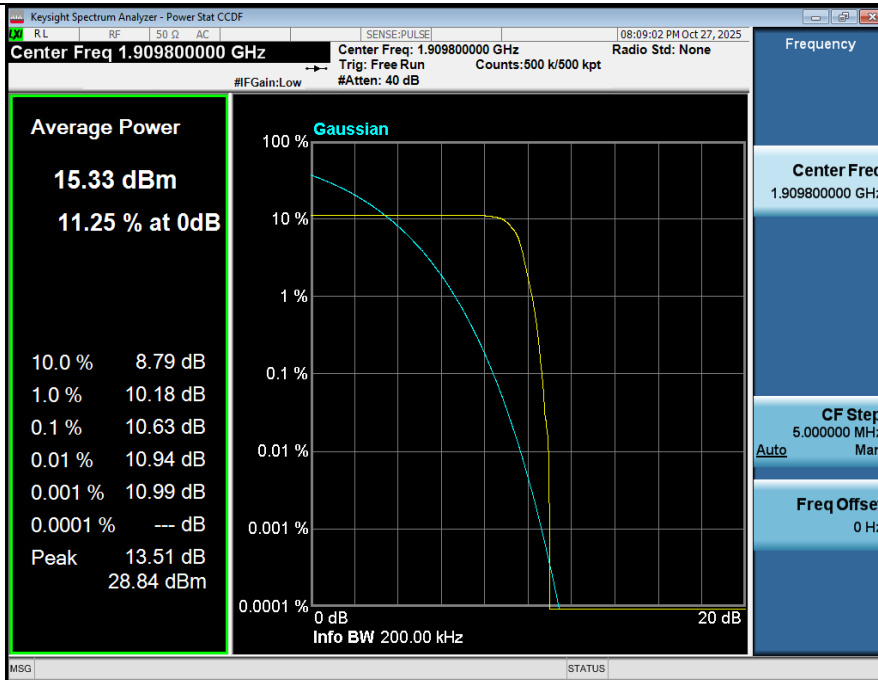


3. Peak to Average Ratio

| Condition | Band | Modulation | Frequency(MHz) | Peak to AVG Ratio-0.1%(dB) | Limit(dB) | Result |
|-----------|------|------------|----------------|----------------------------|-----------|--------|
| NVNT      | GSM  | PCS 1900   | 1850.2         | 10.48                      | 13.00     | Pass   |
| NVNT      | GSM  | PCS 1900   | 1880.0         | 10.58                      | 13.00     | Pass   |
| NVNT      | GSM  | PCS 1900   | 1909.8         | 10.63                      | 13.00     | Pass   |

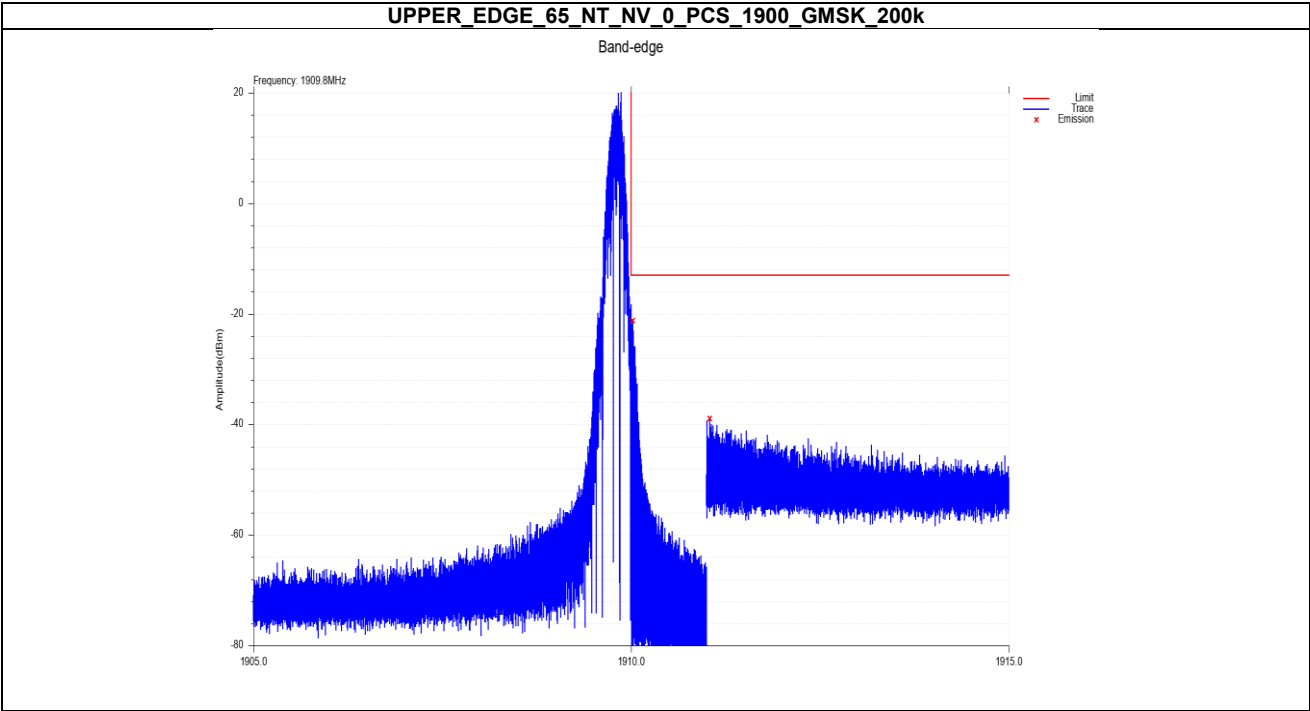
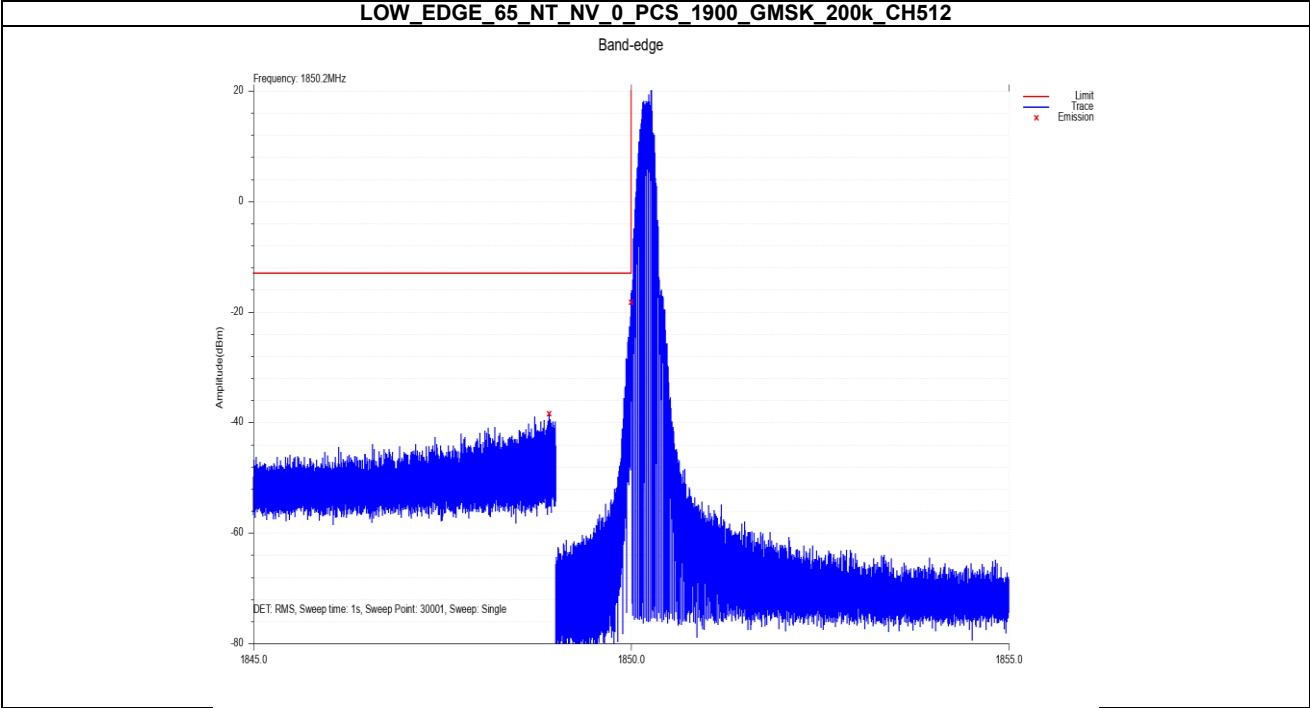


SA\_65\_NT\_NV\_0\_GSM\_PCS\_1900\_200k\_CH810



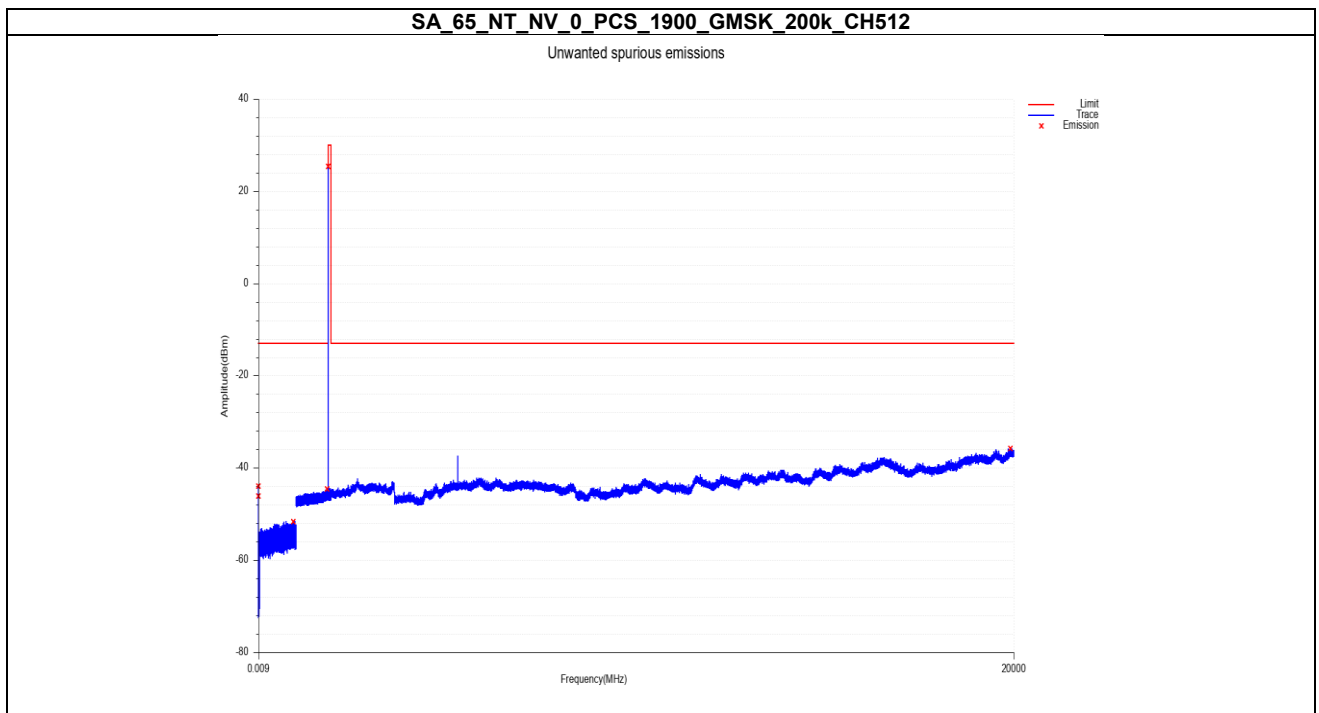
# 4. Unwanted Spurious Emission

| Condition | Mode     | Band | Frequency(MHz) | RBW(kHz) | Test Freq Range(MHz) | Spur Freq (MHz) | Spur Level(dBm) | Limit(dBm) | Result |
|-----------|----------|------|----------------|----------|----------------------|-----------------|-----------------|------------|--------|
| NVNT      | PCS 1900 | GMSK | 1850.20        | 1000     | 1845.0~1849.0        | 1848.912        | -38.44          | -13        | Pass   |
| NVNT      | PCS 1900 | GMSK | 1850.20        | 3        | 1849.0~1850.0        | 1849.998        | -18.32          | -13        | Pass   |
| NVNT      | PCS 1900 | GMSK | 1909.80        | 3        | 1910.0~1911.0        | 1910.022        | -21.26          | -13        | Pass   |
| NVNT      | PCS 1900 | GMSK | 1909.80        | 1000     | 1911.0~1915.0        | 1911.042        | -38.91          | -13        | Pass   |

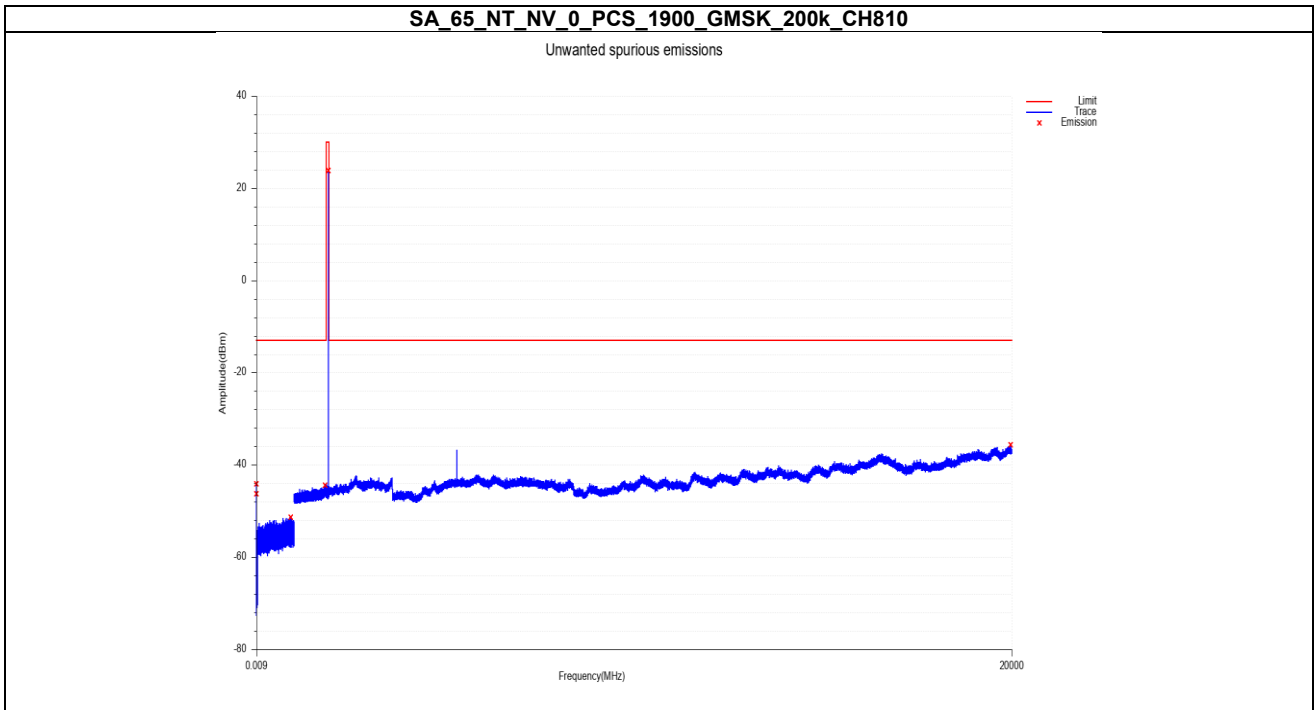
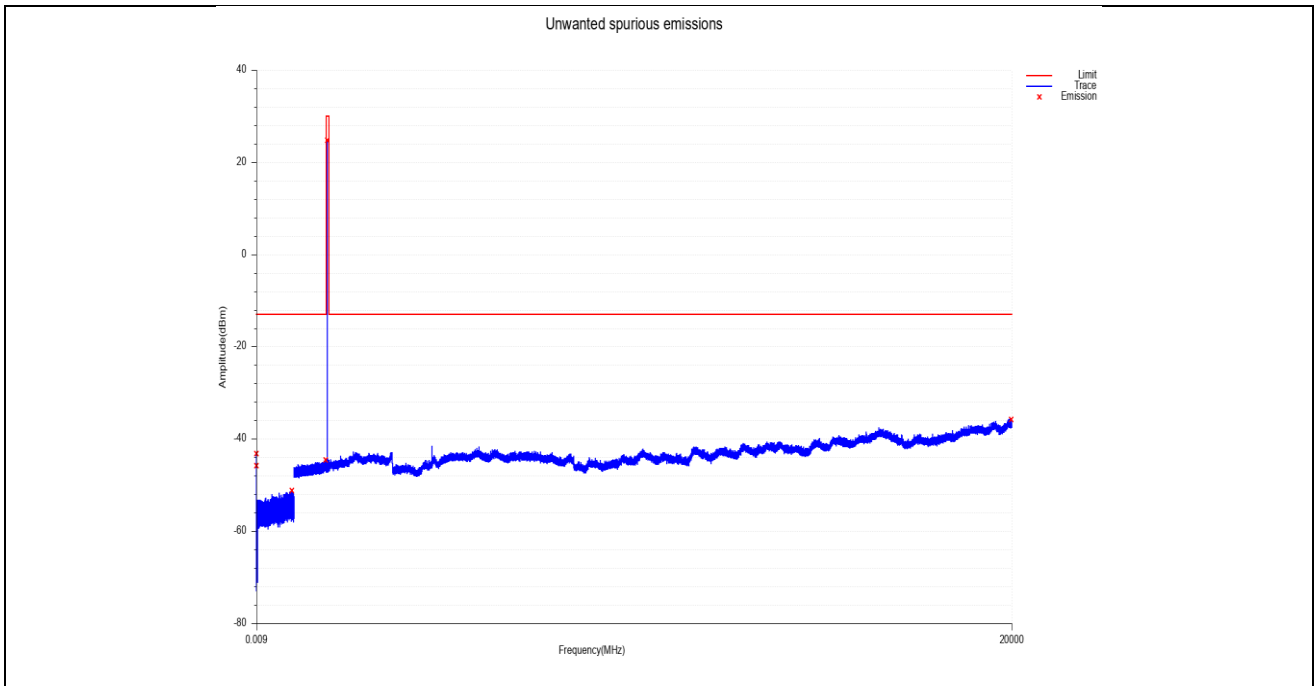


| Condition | Band | Modulation | Frequency(MHz) | RBW(kHz) | Test Freq Range(MHz) | Spur Freq (MHz) | Spur Level(dBm) | Limit(dBm) | Result |
|-----------|------|------------|----------------|----------|----------------------|-----------------|-----------------|------------|--------|
| NVNT      | PCS  | GMSK       | 1850.20        | 1        | 0.009~0.150          | 0.010           | -43.92          | -13        | Pass   |

|      |             |      |         |      |                    |           |        |     |      |
|------|-------------|------|---------|------|--------------------|-----------|--------|-----|------|
|      | 1900        |      |         |      |                    |           |        |     |      |
| NVNT | PCS<br>1900 | GMSK | 1850.20 | 10   | 0.150~30.000       | 0.152     | -46.08 | -13 | Pass |
| NVNT | PCS<br>1900 | GMSK | 1850.20 | 100  | 30.000~1000.000    | 920.234   | -51.65 | -13 | Pass |
| NVNT | PCS<br>1900 | GMSK | 1850.20 | 1000 | 1000.000~1845.000  | 1815.932  | -44.56 | -13 | Pass |
| NVNT | PCS<br>1900 | GMSK | 1850.20 | 1000 | 1915.000~20000.000 | 19914.398 | -35.71 | -13 | Pass |
| NVNT | PCS<br>1900 | GMSK | 1880.00 | 1    | 0.009~0.150        | 0.010     | -43.11 | -13 | Pass |
| NVNT | PCS<br>1900 | GMSK | 1880.00 | 10   | 0.150~30.000       | 0.171     | -45.85 | -13 | Pass |
| NVNT | PCS<br>1900 | GMSK | 1880.00 | 100  | 30.000~1000.000    | 935.107   | -51.14 | -13 | Pass |
| NVNT | PCS<br>1900 | GMSK | 1880.00 | 1000 | 1000.000~1845.000  | 1825.819  | -44.64 | -13 | Pass |
| NVNT | PCS<br>1900 | GMSK | 1880.00 | 1000 | 1915.000~20000.000 | 19990.958 | -35.75 | -13 | Pass |
| NVNT | PCS<br>1900 | GMSK | 1909.80 | 1    | 0.009~0.150        | 0.010     | -44.08 | -13 | Pass |
| NVNT | PCS<br>1900 | GMSK | 1909.80 | 10   | 0.150~30.000       | 0.156     | -46.20 | -13 | Pass |
| NVNT | PCS<br>1900 | GMSK | 1909.80 | 100  | 30.000~1000.000    | 915.739   | -51.41 | -13 | Pass |
| NVNT | PCS<br>1900 | GMSK | 1909.80 | 1000 | 1000.000~1845.000  | 1814.467  | -44.39 | -13 | Pass |
| NVNT | PCS<br>1900 | GMSK | 1909.80 | 1000 | 1915.000~20000.000 | 19964.433 | -35.68 | -13 | Pass |



**SA\_65\_NT\_NV\_0\_PCS\_1900\_GMSK\_200k\_CH661**



## 5. Frequency Stability

| Temperature (C) | Voltage(V) | Band     | Modulation | Frequency(MHz) | Frequency Stabilization (ppm) | Limit_Low(ppm) | Limit_Up(ppm) | Result |
|-----------------|------------|----------|------------|----------------|-------------------------------|----------------|---------------|--------|
| -30             | 3.47       | PCS 1900 | GMSK       | 1850.2         | 0.0016                        | -2.50          | 2.50          | Pass   |
| -30             | 3.47       | PCS 1900 | GMSK       | 1880.0         | 0.0007                        | -2.50          | 2.50          | Pass   |
| -30             | 3.47       | PCS 1900 | GMSK       | 1909.8         | 0.0058                        | -2.50          | 2.50          | Pass   |
| -30             | 3.85       | PCS 1900 | GMSK       | 1850.2         | 0.0070                        | -2.50          | 2.50          | Pass   |
| -30             | 3.85       | PCS 1900 | GMSK       | 1880.0         | 0.0116                        | -2.50          | 2.50          | Pass   |
| -30             | 3.85       | PCS 1900 | GMSK       | 1909.8         | 0.0067                        | -2.50          | 2.50          | Pass   |
| -30             | 4.24       | PCS 1900 | GMSK       | 1850.2         | 0.0026                        | -2.50          | 2.50          | Pass   |
| -30             | 4.24       | PCS 1900 | GMSK       | 1880.0         | 0.0036                        | -2.50          | 2.50          | Pass   |
| -30             | 4.24       | PCS 1900 | GMSK       | 1909.8         | 0.0037                        | -2.50          | 2.50          | Pass   |
| -20             | 3.47       | PCS 1900 | GMSK       | 1850.2         | 0.0003                        | -2.50          | 2.50          | Pass   |
| -20             | 3.47       | PCS 1900 | GMSK       | 1880.0         | -0.0005                       | -2.50          | 2.50          | Pass   |
| -20             | 3.47       | PCS 1900 | GMSK       | 1909.8         | 0.0101                        | -2.50          | 2.50          | Pass   |
| -20             | 3.85       | PCS 1900 | GMSK       | 1850.2         | 0.0048                        | -2.50          | 2.50          | Pass   |
| -20             | 3.85       | PCS 1900 | GMSK       | 1880.0         | 0.0025                        | -2.50          | 2.50          | Pass   |
| -20             | 3.85       | PCS 1900 | GMSK       | 1909.8         | 0.0055                        | -2.50          | 2.50          | Pass   |
| -20             | 4.24       | PCS 1900 | GMSK       | 1850.2         | -0.0017                       | -2.50          | 2.50          | Pass   |
| -20             | 4.24       | PCS 1900 | GMSK       | 1880.0         | 0.0095                        | -2.50          | 2.50          | Pass   |
| -20             | 4.24       | PCS 1900 | GMSK       | 1909.8         | 0.0037                        | -2.50          | 2.50          | Pass   |
| -10             | 3.47       | PCS 1900 | GMSK       | 1850.2         | 0.0057                        | -2.50          | 2.50          | Pass   |
| -10             | 3.47       | PCS 1900 | GMSK       | 1880.0         | 0.0005                        | -2.50          | 2.50          | Pass   |
| -10             | 3.47       | PCS 1900 | GMSK       | 1909.8         | 0.0015                        | -2.50          | 2.50          | Pass   |
| -10             | 3.85       | PCS 1900 | GMSK       | 1850.2         | 0.0007                        | -2.50          | 2.50          | Pass   |
| -10             | 3.85       | PCS 1900 | GMSK       | 1880.0         | -0.0002                       | -2.50          | 2.50          | Pass   |
| -10             | 3.85       | PCS 1900 | GMSK       | 1909.8         | 0.0027                        | -2.50          | 2.50          | Pass   |
| -10             | 4.24       | PCS 1900 | GMSK       | 1850.2         | 0.0002                        | -2.50          | 2.50          | Pass   |
| -10             | 4.24       | PCS 1900 | GMSK       | 1880.0         | 0.0039                        | -2.50          | 2.50          | Pass   |
| -10             | 4.24       | PCS 1900 | GMSK       | 1909.8         | 0.0014                        | -2.50          | 2.50          | Pass   |
| 0               | 3.47       | PCS 1900 | GMSK       | 1850.2         | -0.0061                       | -2.50          | 2.50          | Pass   |
| 0               | 3.47       | PCS 1900 | GMSK       | 1880.0         | 0.0049                        | -2.50          | 2.50          | Pass   |
| 0               | 3.47       | PCS 1900 | GMSK       | 1909.8         | 0.0027                        | -2.50          | 2.50          | Pass   |
| 0               | 3.85       | PCS 1900 | GMSK       | 1850.2         | 0.0003                        | -2.50          | 2.50          | Pass   |
| 0               | 3.85       | PCS 1900 | GMSK       | 1880.0         | 0.0049                        | -2.50          | 2.50          | Pass   |
| 0               | 3.85       | PCS 1900 | GMSK       | 1909.8         | 0.0110                        | -2.50          | 2.50          | Pass   |
| 0               | 4.24       | PCS      | GMSK       | 1850.2         | 0.0085                        | -2.50          | 2.50          | Pass   |

|    |      |             |      |        |         |       |      |      |
|----|------|-------------|------|--------|---------|-------|------|------|
|    |      | 1900        |      |        |         |       |      |      |
| 0  | 4.24 | PCS<br>1900 | GMSK | 1880.0 | 0.0021  | -2.50 | 2.50 | Pass |
| 0  | 4.24 | PCS<br>1900 | GMSK | 1909.8 | 0.0036  | -2.50 | 2.50 | Pass |
| 10 | 3.47 | PCS<br>1900 | GMSK | 1850.2 | -0.0018 | -2.50 | 2.50 | Pass |
| 10 | 3.47 | PCS<br>1900 | GMSK | 1880.0 | 0.0158  | -2.50 | 2.50 | Pass |
| 10 | 3.47 | PCS<br>1900 | GMSK | 1909.8 | 0.0106  | -2.50 | 2.50 | Pass |
| 10 | 3.85 | PCS<br>1900 | GMSK | 1850.2 | 0.0019  | -2.50 | 2.50 | Pass |
| 10 | 3.85 | PCS<br>1900 | GMSK | 1880.0 | 0.0106  | -2.50 | 2.50 | Pass |
| 10 | 3.85 | PCS<br>1900 | GMSK | 1909.8 | 0.0075  | -2.50 | 2.50 | Pass |
| 10 | 4.24 | PCS<br>1900 | GMSK | 1850.2 | -0.0011 | -2.50 | 2.50 | Pass |
| 10 | 4.24 | PCS<br>1900 | GMSK | 1880.0 | -0.0013 | -2.50 | 2.50 | Pass |
| 10 | 4.24 | PCS<br>1900 | GMSK | 1909.8 | 0.0057  | -2.50 | 2.50 | Pass |
| 20 | 3.47 | PCS<br>1900 | GMSK | 1850.2 | 0.0075  | -2.50 | 2.50 | Pass |
| 20 | 3.47 | PCS<br>1900 | GMSK | 1880.0 | 0.0059  | -2.50 | 2.50 | Pass |
| 20 | 3.47 | PCS<br>1900 | GMSK | 1909.8 | 0.0068  | -2.50 | 2.50 | Pass |
| 20 | 3.85 | PCS<br>1900 | GMSK | 1850.2 | 0.0026  | -2.50 | 2.50 | Pass |
| 20 | 3.85 | PCS<br>1900 | GMSK | 1880.0 | -0.0024 | -2.50 | 2.50 | Pass |
| 20 | 3.85 | PCS<br>1900 | GMSK | 1909.8 | 0.0020  | -2.50 | 2.50 | Pass |
| 20 | 4.24 | PCS<br>1900 | GMSK | 1850.2 | 0.0061  | -2.50 | 2.50 | Pass |
| 20 | 4.24 | PCS<br>1900 | GMSK | 1880.0 | -0.0056 | -2.50 | 2.50 | Pass |
| 20 | 4.24 | PCS<br>1900 | GMSK | 1909.8 | 0.0038  | -2.50 | 2.50 | Pass |
| 30 | 3.47 | PCS<br>1900 | GMSK | 1850.2 | 0.0095  | -2.50 | 2.50 | Pass |
| 30 | 3.47 | PCS<br>1900 | GMSK | 1880.0 | 0.0071  | -2.50 | 2.50 | Pass |
| 30 | 3.47 | PCS<br>1900 | GMSK | 1909.8 | 0.0065  | -2.50 | 2.50 | Pass |
| 30 | 3.85 | PCS<br>1900 | GMSK | 1850.2 | 0.0057  | -2.50 | 2.50 | Pass |
| 30 | 3.85 | PCS<br>1900 | GMSK | 1880.0 | 0.0055  | -2.50 | 2.50 | Pass |
| 30 | 3.85 | PCS<br>1900 | GMSK | 1909.8 | 0.0037  | -2.50 | 2.50 | Pass |
| 30 | 4.24 | PCS<br>1900 | GMSK | 1850.2 | 0.0031  | -2.50 | 2.50 | Pass |
| 30 | 4.24 | PCS<br>1900 | GMSK | 1880.0 | 0.0100  | -2.50 | 2.50 | Pass |
| 30 | 4.24 | PCS<br>1900 | GMSK | 1909.8 | 0.0050  | -2.50 | 2.50 | Pass |
| 40 | 3.47 | PCS<br>1900 | GMSK | 1850.2 | 0.0069  | -2.50 | 2.50 | Pass |
| 40 | 3.47 | PCS<br>1900 | GMSK | 1880.0 | 0.0016  | -2.50 | 2.50 | Pass |
| 40 | 3.47 | PCS<br>1900 | GMSK | 1909.8 | 0.0035  | -2.50 | 2.50 | Pass |
| 40 | 3.85 | PCS<br>1900 | GMSK | 1850.2 | 0.0081  | -2.50 | 2.50 | Pass |
| 40 | 3.85 | PCS<br>1900 | GMSK | 1880.0 | 0.0104  | -2.50 | 2.50 | Pass |
| 40 | 3.85 | PCS<br>1900 | GMSK | 1909.8 | 0.0070  | -2.50 | 2.50 | Pass |
| 40 | 4.24 | PCS<br>1900 | GMSK | 1850.2 | 0.0066  | -2.50 | 2.50 | Pass |
| 40 | 4.24 | PCS<br>1900 | GMSK | 1880.0 | 0.0006  | -2.50 | 2.50 | Pass |
| 40 | 4.24 | PCS<br>1900 | GMSK | 1909.8 | 0.0099  | -2.50 | 2.50 | Pass |

|    |      |             |      |        |         |       |      |      |
|----|------|-------------|------|--------|---------|-------|------|------|
| 50 | 3.47 | PCS<br>1900 | GMSK | 1850.2 | -0.0017 | -2.50 | 2.50 | Pass |
| 50 | 3.47 | PCS<br>1900 | GMSK | 1880.0 | 0.0005  | -2.50 | 2.50 | Pass |
| 50 | 3.47 | PCS<br>1900 | GMSK | 1909.8 | -0.0030 | -2.50 | 2.50 | Pass |
| 50 | 3.85 | PCS<br>1900 | GMSK | 1850.2 | -0.0005 | -2.50 | 2.50 | Pass |
| 50 | 3.85 | PCS<br>1900 | GMSK | 1880.0 | -0.0014 | -2.50 | 2.50 | Pass |
| 50 | 3.85 | PCS<br>1900 | GMSK | 1909.8 | 0.0065  | -2.50 | 2.50 | Pass |
| 50 | 4.24 | PCS<br>1900 | GMSK | 1850.2 | 0.0058  | -2.50 | 2.50 | Pass |
| 50 | 4.24 | PCS<br>1900 | GMSK | 1880.0 | 0.0038  | -2.50 | 2.50 | Pass |
| 50 | 4.24 | PCS<br>1900 | GMSK | 1909.8 | 0.0040  | -2.50 | 2.50 | Pass |