

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

### 1.1 Test Result

#### 1.1.1 B2\_1.4MHz\_EIRP

| Band: 2 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 1850.7          | 1             | 0      | 21.78                 | 0.28       | 22.06      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.78                 | 0.28       | 22.06      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 21.79                 | 0.28       | 22.07      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 21.90                 | 0.28       | 22.18      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.86                 | 0.28       | 22.14      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 21.88                 | 0.28       | 22.16      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 20.82                 | 0.28       | 21.10      | <=33.01 | Pass    |
|                                    | 1880            | 1             | 0      | 21.46                 | 0.28       | 21.74      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.49                 | 0.28       | 21.77      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 21.53                 | 0.28       | 21.81      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 21.60                 | 0.28       | 21.88      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.66                 | 0.28       | 21.94      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 21.60                 | 0.28       | 21.88      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 20.59                 | 0.28       | 20.87      | <=33.01 | Pass    |
|                                    | 1909.3          | 1             | 0      | 21.92                 | 0.28       | 22.20      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.92                 | 0.28       | 22.20      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 21.94                 | 0.28       | 22.22      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 21.80                 | 0.28       | 22.08      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.80                 | 0.28       | 22.08      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 21.81                 | 0.28       | 22.09      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 20.80                 | 0.28       | 21.08      | <=33.01 | Pass    |
| 16QAM                              | 1850.7          | 1             | 0      | 20.91                 | 0.28       | 21.19      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 20.89                 | 0.28       | 21.17      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 20.89                 | 0.28       | 21.17      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 20.70                 | 0.28       | 20.98      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 20.72                 | 0.28       | 21.00      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 20.67                 | 0.28       | 20.95      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 19.89                 | 0.28       | 20.17      | <=33.01 | Pass    |
|                                    | 1880            | 1             | 0      | 20.30                 | 0.28       | 20.58      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 20.28                 | 0.28       | 20.56      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 20.29                 | 0.28       | 20.57      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 20.48                 | 0.28       | 20.76      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 20.40                 | 0.28       | 20.68      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 20.46                 | 0.28       | 20.74      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 19.59                 | 0.28       | 19.87      | <=33.01 | Pass    |
|                                    | 1909.3          | 1             | 0      | 21.06                 | 0.28       | 21.34      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.08                 | 0.28       | 21.36      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 21.63                 | 0.28       | 21.91      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 21.01                 | 0.28       | 21.29      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.04                 | 0.28       | 21.32      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 21.03                 | 0.28       | 21.31      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 20.05                 | 0.28       | 20.33      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

#### 1.1.2 B2\_3MHz\_EIRP

|                                  |
|----------------------------------|
| Band: 2 / Bandwidth: 3MHz / NTNV |
|----------------------------------|

| Modulation | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
|            |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK       | 1851.5          | 1             | 0      | 21.75                 | 0.28       | 22.03      | <=33.01 | Pass    |
|            |                 |               | 7      | 21.74                 | 0.28       | 22.02      | <=33.01 | Pass    |
|            |                 |               | 14     | 21.72                 | 0.28       | 22.00      | <=33.01 | Pass    |
|            |                 | 8             | 0      | 20.74                 | 0.28       | 21.02      | <=33.01 | Pass    |
|            |                 |               | 4      | 20.81                 | 0.28       | 21.09      | <=33.01 | Pass    |
|            |                 |               | 7      | 20.78                 | 0.28       | 21.06      | <=33.01 | Pass    |
|            |                 | 15            | 0      | 20.77                 | 0.28       | 21.05      | <=33.01 | Pass    |
|            | 1880            | 1             | 0      | 21.59                 | 0.28       | 21.87      | <=33.01 | Pass    |
|            |                 |               | 7      | 21.61                 | 0.28       | 21.89      | <=33.01 | Pass    |
|            |                 |               | 14     | 21.61                 | 0.28       | 21.89      | <=33.01 | Pass    |
|            |                 | 8             | 0      | 20.69                 | 0.28       | 20.97      | <=33.01 | Pass    |
|            |                 |               | 4      | 20.69                 | 0.28       | 20.97      | <=33.01 | Pass    |
|            |                 |               | 7      | 20.68                 | 0.28       | 20.96      | <=33.01 | Pass    |
|            |                 | 15            | 0      | 20.68                 | 0.28       | 20.96      | <=33.01 | Pass    |
|            | 1908.5          | 1             | 0      | 21.78                 | 0.28       | 22.06      | <=33.01 | Pass    |
|            |                 |               | 7      | 21.85                 | 0.28       | 22.13      | <=33.01 | Pass    |
|            |                 |               | 14     | 21.84                 | 0.28       | 22.12      | <=33.01 | Pass    |
|            |                 | 8             | 0      | 20.85                 | 0.28       | 21.13      | <=33.01 | Pass    |
|            |                 |               | 4      | 20.86                 | 0.28       | 21.14      | <=33.01 | Pass    |
|            |                 |               | 7      | 20.88                 | 0.28       | 21.16      | <=33.01 | Pass    |
|            |                 | 15            | 0      | 20.94                 | 0.28       | 21.22      | <=33.01 | Pass    |
| 16QAM      | 1851.5          | 1             | 0      | 21.05                 | 0.28       | 21.33      | <=33.01 | Pass    |
|            |                 |               | 7      | 21.03                 | 0.28       | 21.31      | <=33.01 | Pass    |
|            |                 |               | 14     | 21.01                 | 0.28       | 21.29      | <=33.01 | Pass    |
|            |                 | 8             | 0      | 20.10                 | 0.28       | 20.38      | <=33.01 | Pass    |
|            |                 |               | 4      | 20.11                 | 0.28       | 20.39      | <=33.01 | Pass    |
|            |                 |               | 7      | 20.09                 | 0.28       | 20.37      | <=33.01 | Pass    |
|            |                 | 15            | 0      | 19.99                 | 0.28       | 20.27      | <=33.01 | Pass    |
|            | 1880            | 1             | 0      | 20.58                 | 0.28       | 20.86      | <=33.01 | Pass    |
|            |                 |               | 7      | 20.48                 | 0.28       | 20.76      | <=33.01 | Pass    |
|            |                 |               | 14     | 20.36                 | 0.28       | 20.64      | <=33.01 | Pass    |
|            |                 | 8             | 0      | 19.93                 | 0.28       | 20.21      | <=33.01 | Pass    |
|            |                 |               | 4      | 19.83                 | 0.28       | 20.11      | <=33.01 | Pass    |
|            |                 |               | 7      | 19.91                 | 0.28       | 20.19      | <=33.01 | Pass    |
|            |                 | 15            | 0      | 19.82                 | 0.28       | 20.10      | <=33.01 | Pass    |
|            | 1908.5          | 1             | 0      | 21.66                 | 0.28       | 21.94      | <=33.01 | Pass    |
|            |                 |               | 7      | 21.66                 | 0.28       | 21.94      | <=33.01 | Pass    |
|            |                 |               | 14     | 21.65                 | 0.28       | 21.93      | <=33.01 | Pass    |
|            |                 | 8             | 0      | 20.07                 | 0.28       | 20.35      | <=33.01 | Pass    |
|            |                 |               | 4      | 20.11                 | 0.28       | 20.39      | <=33.01 | Pass    |
|            |                 |               | 7      | 20.02                 | 0.28       | 20.30      | <=33.01 | Pass    |
|            |                 | 15            | 0      | 19.94                 | 0.28       | 20.22      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.3 B2\_5MHz\_EIRP

| Band: 2 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 1852.5          | 1             | 0      | 21.97                 | 0.28       | 22.25      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.84                 | 0.28       | 22.12      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.81                 | 0.28       | 22.09      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.80                 | 0.28       | 21.08      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.84                 | 0.28       | 21.12      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.87                 | 0.28       | 21.15      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.84                 | 0.28       | 21.12      | <=33.01 | Pass    |

|       |        |    |    |       |      |       |         |      |
|-------|--------|----|----|-------|------|-------|---------|------|
| 16QAM | 1880   | 1  | 0  | 21.68 | 0.28 | 21.96 | <=33.01 | Pass |
|       |        |    | 13 | 21.51 | 0.28 | 21.79 | <=33.01 | Pass |
|       |        |    | 24 | 21.64 | 0.28 | 21.92 | <=33.01 | Pass |
|       |        | 12 | 0  | 20.61 | 0.28 | 20.89 | <=33.01 | Pass |
|       |        |    | 6  | 20.69 | 0.28 | 20.97 | <=33.01 | Pass |
|       |        |    | 13 | 20.70 | 0.28 | 20.98 | <=33.01 | Pass |
|       |        | 25 | 0  | 20.60 | 0.28 | 20.88 | <=33.01 | Pass |
|       | 1907.5 | 1  | 0  | 21.92 | 0.28 | 22.20 | <=33.01 | Pass |
|       |        |    | 13 | 21.91 | 0.28 | 22.19 | <=33.01 | Pass |
|       |        |    | 24 | 21.94 | 0.28 | 22.22 | <=33.01 | Pass |
|       |        | 12 | 0  | 20.92 | 0.28 | 21.20 | <=33.01 | Pass |
|       |        |    | 6  | 20.89 | 0.28 | 21.17 | <=33.01 | Pass |
|       |        |    | 13 | 20.87 | 0.28 | 21.15 | <=33.01 | Pass |
|       |        | 25 | 0  | 20.87 | 0.28 | 21.15 | <=33.01 | Pass |
| 16QAM | 1852.5 | 1  | 0  | 19.90 | 0.28 | 20.18 | <=33.01 | Pass |
|       |        |    | 13 | 19.91 | 0.28 | 20.19 | <=33.01 | Pass |
|       |        |    | 24 | 19.89 | 0.28 | 20.17 | <=33.01 | Pass |
|       |        | 12 | 0  | 19.92 | 0.28 | 20.20 | <=33.01 | Pass |
|       |        |    | 6  | 19.91 | 0.28 | 20.19 | <=33.01 | Pass |
|       |        |    | 13 | 19.86 | 0.28 | 20.14 | <=33.01 | Pass |
|       |        | 25 | 0  | 19.97 | 0.28 | 20.25 | <=33.01 | Pass |
|       | 1880   | 1  | 0  | 20.68 | 0.28 | 20.96 | <=33.01 | Pass |
|       |        |    | 13 | 20.70 | 0.28 | 20.98 | <=33.01 | Pass |
|       |        |    | 24 | 20.76 | 0.28 | 21.04 | <=33.01 | Pass |
|       |        | 12 | 0  | 19.70 | 0.28 | 19.98 | <=33.01 | Pass |
|       |        |    | 6  | 19.73 | 0.28 | 20.01 | <=33.01 | Pass |
|       |        |    | 13 | 19.64 | 0.28 | 19.92 | <=33.01 | Pass |
|       |        | 25 | 0  | 19.78 | 0.28 | 20.06 | <=33.01 | Pass |
|       | 1907.5 | 1  | 0  | 20.81 | 0.28 | 21.09 | <=33.01 | Pass |
|       |        |    | 13 | 20.79 | 0.28 | 21.07 | <=33.01 | Pass |
|       |        |    | 24 | 20.85 | 0.28 | 21.13 | <=33.01 | Pass |
|       |        | 12 | 0  | 19.78 | 0.28 | 20.06 | <=33.01 | Pass |
|       |        |    | 6  | 19.77 | 0.28 | 20.05 | <=33.01 | Pass |
|       |        |    | 13 | 19.81 | 0.28 | 20.09 | <=33.01 | Pass |
|       |        | 25 | 0  | 19.83 | 0.28 | 20.11 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.4 B2\_10MHz\_EIRP

| Band: 2 / Bandwidth: 10MHz / NTNV |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 1855            | 1             | 0      | 21.91                 | 0.28       | 22.19      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.83                 | 0.28       | 22.11      | <=33.01 | Pass    |
|                                   |                 |               | 49     | 21.77                 | 0.28       | 22.05      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 20.79                 | 0.28       | 21.07      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 20.77                 | 0.28       | 21.05      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.88                 | 0.28       | 21.16      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 20.81                 | 0.28       | 21.09      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 21.67                 | 0.28       | 21.95      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.62                 | 0.28       | 21.90      | <=33.01 | Pass    |
|                                   |                 |               | 49     | 21.72                 | 0.28       | 22.00      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 20.67                 | 0.28       | 20.95      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 20.66                 | 0.28       | 20.94      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.74                 | 0.28       | 21.02      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 20.66                 | 0.28       | 20.94      | <=33.01 | Pass    |
|                                   | 1905            | 1             | 0      | 21.94                 | 0.28       | 22.22      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.96                 | 0.28       | 22.24      | <=33.01 | Pass    |

|       |      |    |    |       |      |       |         |      |
|-------|------|----|----|-------|------|-------|---------|------|
| 16QAM | 1855 | 25 | 49 | 21.97 | 0.28 | 22.25 | <=33.01 | Pass |
|       |      |    | 0  | 20.77 | 0.28 | 21.05 | <=33.01 | Pass |
|       |      |    | 13 | 20.87 | 0.28 | 21.15 | <=33.01 | Pass |
|       |      |    | 25 | 20.93 | 0.28 | 21.21 | <=33.01 | Pass |
|       |      | 50 | 0  | 20.83 | 0.28 | 21.11 | <=33.01 | Pass |
|       | 1880 | 1  | 0  | 21.34 | 0.28 | 21.62 | <=33.01 | Pass |
|       |      |    | 25 | 21.33 | 0.28 | 21.61 | <=33.01 | Pass |
|       |      |    | 49 | 21.30 | 0.28 | 21.58 | <=33.01 | Pass |
|       |      | 25 | 0  | 19.94 | 0.28 | 20.22 | <=33.01 | Pass |
|       |      |    | 13 | 19.95 | 0.28 | 20.23 | <=33.01 | Pass |
|       |      |    | 25 | 19.92 | 0.28 | 20.20 | <=33.01 | Pass |
|       |      | 50 | 0  | 19.88 | 0.28 | 20.16 | <=33.01 | Pass |
|       |      | 1  | 0  | 20.47 | 0.28 | 20.75 | <=33.01 | Pass |
|       |      |    | 25 | 20.49 | 0.28 | 20.77 | <=33.01 | Pass |
|       |      |    | 49 | 20.53 | 0.28 | 20.81 | <=33.01 | Pass |
|       |      | 25 | 0  | 19.83 | 0.28 | 20.11 | <=33.01 | Pass |
|       |      |    | 13 | 19.87 | 0.28 | 20.15 | <=33.01 | Pass |
|       |      |    | 25 | 19.94 | 0.28 | 20.22 | <=33.01 | Pass |
|       |      | 50 | 0  | 19.78 | 0.28 | 20.06 | <=33.01 | Pass |
|       | 1905 | 1  | 0  | 21.03 | 0.28 | 21.31 | <=33.01 | Pass |
|       |      |    | 25 | 21.14 | 0.28 | 21.42 | <=33.01 | Pass |
|       |      |    | 49 | 21.10 | 0.28 | 21.38 | <=33.01 | Pass |
|       |      | 25 | 0  | 20.04 | 0.28 | 20.32 | <=33.01 | Pass |
|       |      |    | 13 | 20.05 | 0.28 | 20.33 | <=33.01 | Pass |
|       |      |    | 25 | 20.05 | 0.28 | 20.33 | <=33.01 | Pass |
|       |      | 50 | 0  | 20.02 | 0.28 | 20.30 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.5 B2\_15MHz\_EIRP

| Band: 2 / Bandwidth: 15MHz / NTNV |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 1857.5          | 1             | 0      | 21.68                 | 0.28       | 21.96      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.65                 | 0.28       | 21.93      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 21.62                 | 0.28       | 21.90      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 20.75                 | 0.28       | 21.03      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 20.77                 | 0.28       | 21.05      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 20.76                 | 0.28       | 21.04      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 20.74                 | 0.28       | 21.02      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 21.48                 | 0.28       | 21.76      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.48                 | 0.28       | 21.76      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 21.55                 | 0.28       | 21.83      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 20.68                 | 0.28       | 20.96      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 20.66                 | 0.28       | 20.94      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 20.76                 | 0.28       | 21.04      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 20.65                 | 0.28       | 20.93      | <=33.01 | Pass    |
|                                   | 1902.5          | 1             | 0      | 21.76                 | 0.28       | 22.04      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.74                 | 0.28       | 22.02      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 21.76                 | 0.28       | 22.04      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 20.87                 | 0.28       | 21.15      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 20.86                 | 0.28       | 21.14      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 20.81                 | 0.28       | 21.09      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 20.90                 | 0.28       | 21.18      | <=33.01 | Pass    |
| 16QAM                             | 1857.5          | 1             | 0      | 21.06                 | 0.28       | 21.34      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 20.96                 | 0.28       | 21.24      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 20.92                 | 0.28       | 21.20      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 19.95                 | 0.28       | 20.23      | <=33.01 | Pass    |

|  |        |    |    |       |      |       |         |      |
|--|--------|----|----|-------|------|-------|---------|------|
|  |        | 75 | 18 | 19.95 | 0.28 | 20.23 | <=33.01 | Pass |
|  |        |    | 39 | 19.91 | 0.28 | 20.19 | <=33.01 | Pass |
|  |        |    | 0  | 19.95 | 0.28 | 20.23 | <=33.01 | Pass |
|  | 1880   | 1  | 0  | 20.91 | 0.28 | 21.19 | <=33.01 | Pass |
|  |        |    | 38 | 20.87 | 0.28 | 21.15 | <=33.01 | Pass |
|  |        |    | 74 | 21.03 | 0.28 | 21.31 | <=33.01 | Pass |
|  |        | 36 | 0  | 19.81 | 0.28 | 20.09 | <=33.01 | Pass |
|  |        |    | 18 | 19.82 | 0.28 | 20.10 | <=33.01 | Pass |
|  |        |    | 39 | 19.79 | 0.28 | 20.07 | <=33.01 | Pass |
|  |        | 75 | 0  | 19.74 | 0.28 | 20.02 | <=33.01 | Pass |
|  | 1902.5 | 1  | 0  | 21.60 | 0.28 | 21.88 | <=33.01 | Pass |
|  |        |    | 38 | 21.62 | 0.28 | 21.90 | <=33.01 | Pass |
|  |        |    | 74 | 21.65 | 0.28 | 21.93 | <=33.01 | Pass |
|  |        | 36 | 0  | 19.89 | 0.28 | 20.17 | <=33.01 | Pass |
|  |        |    | 18 | 19.91 | 0.28 | 20.19 | <=33.01 | Pass |
|  |        |    | 39 | 19.94 | 0.28 | 20.22 | <=33.01 | Pass |
|  |        | 75 | 0  | 20.01 | 0.28 | 20.29 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.6 B2\_20MHz\_EIRP

| Band: 2 / Bandwidth: 20MHz / NTN/V |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 1860            | 1             | 0      | 21.89                 | 0.28       | 22.17      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.85                 | 0.28       | 22.13      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 21.82                 | 0.28       | 22.10      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 20.78                 | 0.28       | 21.06      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 20.74                 | 0.28       | 21.02      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 20.71                 | 0.28       | 20.99      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 20.86                 | 0.28       | 21.14      | <=33.01 | Pass    |
|                                    | 1880            | 1             | 0      | 21.72                 | 0.28       | 22.00      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.69                 | 0.28       | 21.97      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 21.90                 | 0.28       | 22.18      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 20.68                 | 0.28       | 20.96      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 20.68                 | 0.28       | 20.96      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 20.83                 | 0.28       | 21.11      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 20.74                 | 0.28       | 21.02      | <=33.01 | Pass    |
|                                    | 1900            | 1             | 0      | 21.86                 | 0.28       | 22.14      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.00                 | 0.28       | 22.28      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 22.07                 | 0.28       | 22.35      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 20.83                 | 0.28       | 21.11      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 20.84                 | 0.28       | 21.12      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 20.85                 | 0.28       | 21.13      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 20.92                 | 0.28       | 21.20      | <=33.01 | Pass    |
| 16QAM                              | 1860            | 1             | 0      | 20.80                 | 0.28       | 21.08      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 20.79                 | 0.28       | 21.07      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 20.66                 | 0.28       | 20.94      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 19.97                 | 0.28       | 20.25      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 19.89                 | 0.28       | 20.17      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 19.93                 | 0.28       | 20.21      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 19.83                 | 0.28       | 20.11      | <=33.01 | Pass    |
|                                    | 1880            | 1             | 0      | 21.58                 | 0.28       | 21.86      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.57                 | 0.28       | 21.85      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 21.79                 | 0.28       | 22.07      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 19.76                 | 0.28       | 20.04      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 19.75                 | 0.28       | 20.03      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 19.72                 | 0.28       | 20.00      | <=33.01 | Pass    |

|  |                                          |     |    |       |       |       |         |         |
|--|------------------------------------------|-----|----|-------|-------|-------|---------|---------|
|  |                                          | 100 | 0  | 19.79 | 0.28  | 20.07 | <=33.01 | Pass    |
|  | 1900                                     | 1   | 0  | 20.84 | 0.28  | 21.12 | <=33.01 | Pass    |
|  |                                          |     | 50 | 20.98 | 0.28  | 21.26 | <=33.01 | Pass    |
|  |                                          |     | 99 | 21.04 | 0.28  | 21.32 | <=33.01 | Pass    |
|  |                                          |     | 50 | 0     | 19.88 | 0.28  | 20.16   | <=33.01 |
|  |                                          | 25  |    | 19.94 | 0.28  | 20.22 | <=33.01 | Pass    |
|  |                                          | 50  |    | 20.00 | 0.28  | 20.28 | <=33.01 | Pass    |
|  |                                          | 100 | 0  | 19.86 | 0.28  | 20.14 | <=33.01 | Pass    |
|  | Note1: EIRP=Conducted Power+Antenna Gain |     |    |       |       |       |         |         |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B2\_1.4MHz

| Band: 2 / Bandwidth: 1.4MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 1850.7          | 6             | 0      | 20         | 3.27          | -35.105          | -0.0190               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -35.319          | -0.0191               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -28.138          | -0.0152               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -12.860          | -0.0069               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -5.093           | -0.0028               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -10.099          | -0.0055               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -15.507          | -0.0084               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -27.809          | -0.0150               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 11.473           | 0.0062                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -14.863          | -0.0080               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -39.454          | -0.0213               | -2.5 to 2.5 | Pass    |
|                             | 1880            | 6             | 0      | 20         | 3.27          | -23.103          | -0.0123               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -10.543          | -0.0056               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -29.297          | -0.0156               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -45.261          | -0.0241               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 3.405            | 0.0018                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -10.672          | -0.0057               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -23.031          | -0.0123               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -38.695          | -0.0206               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -21.143          | -0.0112               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -33.360          | -0.0177               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 2.275            | 0.0012                | -2.5 to 2.5 | Pass    |
|                             | 1909.3          | 6             | 0      | 20         | 3.27          | -24.562          | -0.0129               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -53.158          | -0.0278               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -14.534          | -0.0076               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -27.123          | -0.0142               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -47.622          | -0.0249               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -23.217          | -0.0122               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -47.107          | -0.0247               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -6.251           | -0.0033               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -28.310          | -0.0148               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -13.003          | -0.0068               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -34.919          | -0.0183               | -2.5 to 2.5 | Pass    |
| 16QAM                       | 1850.7          | 6             | 0      | 20         | 3.27          | -15.249          | -0.0082               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -43.387          | -0.0234               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -26.908          | -0.0145               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -46.406          | -0.0251               | -2.5 to 2.5 | Pass    |

|  |        |   |   |     |      |         |         |             |      |
|--|--------|---|---|-----|------|---------|---------|-------------|------|
|  |        |   |   | -20 | 3.85 | -8.783  | -0.0047 | -2.5 to 2.5 | Pass |
|  |        |   |   | -10 | 3.85 | -38.710 | -0.0209 | -2.5 to 2.5 | Pass |
|  |        |   |   | 0   | 3.85 | -22.001 | -0.0119 | -2.5 to 2.5 | Pass |
|  |        |   |   | 10  | 3.85 | -32.930 | -0.0178 | -2.5 to 2.5 | Pass |
|  |        |   |   | 30  | 3.85 | 9.899   | 0.0053  | -2.5 to 2.5 | Pass |
|  |        |   |   | 40  | 3.85 | -9.327  | -0.0050 | -2.5 to 2.5 | Pass |
|  |        |   |   | 50  | 3.85 | -28.124 | -0.0152 | -2.5 to 2.5 | Pass |
|  | 1880   | 6 | 0 | 20  | 3.27 | -17.366 | -0.0092 | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 3.85 | -25.420 | -0.0135 | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 4.43 | -21.443 | -0.0114 | -2.5 to 2.5 | Pass |
|  |        |   |   | -30 | 3.85 | 3.691   | 0.0020  | -2.5 to 2.5 | Pass |
|  |        |   |   | -20 | 3.85 | -9.885  | -0.0053 | -2.5 to 2.5 | Pass |
|  |        |   |   | -10 | 3.85 | -7.024  | -0.0037 | -2.5 to 2.5 | Pass |
|  |        |   |   | 0   | 3.85 | -19.856 | -0.0106 | -2.5 to 2.5 | Pass |
|  |        |   |   | 10  | 3.85 | -19.255 | -0.0102 | -2.5 to 2.5 | Pass |
|  |        |   |   | 30  | 3.85 | -22.302 | -0.0119 | -2.5 to 2.5 | Pass |
|  |        |   |   | 40  | 3.85 | -21.358 | -0.0114 | -2.5 to 2.5 | Pass |
|  |        |   |   | 50  | 3.85 | -23.632 | -0.0126 | -2.5 to 2.5 | Pass |
|  |        |   |   | 20  | 3.27 | -55.289 | -0.0290 | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 3.85 | -3.018  | -0.0016 | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 4.43 | -19.984 | -0.0105 | -2.5 to 2.5 | Pass |
|  | 1909.3 | 6 | 0 | -30 | 3.85 | -39.539 | -0.0207 | -2.5 to 2.5 | Pass |
|  |        |   |   | -20 | 3.85 | -1.845  | -0.0010 | -2.5 to 2.5 | Pass |
|  |        |   |   | -10 | 3.85 | -19.298 | -0.0101 | -2.5 to 2.5 | Pass |
|  |        |   |   | 0   | 3.85 | -32.158 | -0.0168 | -2.5 to 2.5 | Pass |
|  |        |   |   | 10  | 3.85 | -38.195 | -0.0200 | -2.5 to 2.5 | Pass |
|  |        |   |   | 30  | 3.85 | -5.593  | -0.0029 | -2.5 to 2.5 | Pass |
|  |        |   |   | 40  | 3.85 | -13.776 | -0.0072 | -2.5 to 2.5 | Pass |
|  |        |   |   | 50  | 3.85 | -26.836 | -0.0141 | -2.5 to 2.5 | Pass |

## 2.1.2 B2\_3MHz

| Band: 2 / Bandwidth: 3MHz |                 |               |        |            |               |                  |                       |             |         |
|---------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                           |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                      | 1851.5          | 15            | 0      | 20         | 3.27          | 7.138            | 0.0039                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -17.452          | -0.0094               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -27.552          | -0.0149               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -32.659          | -0.0176               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -34.490          | -0.0186               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 14.477           | 0.0078                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 14.033           | 0.0076                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 17.538           | 0.0095                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 16.708           | 0.0090                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 13.118           | 0.0071                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 6.795            | 0.0037                | -2.5 to 2.5 | Pass    |
|                           | 1880            | 15            | 0      | 20         | 3.27          | -2.103           | -0.0011               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -13.633          | -0.0073               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -21.544          | -0.0115               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -24.219          | -0.0129               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -27.967          | -0.0149               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -28.553          | -0.0152               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -41.571          | -0.0221               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -46.363          | -0.0247               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -50.125          | -0.0267               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 7.997            | 0.0043                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 1.960            | 0.0010                | -2.5 to 2.5 | Pass    |
|                           | 1908.5          | 15            | 0      | 20         | 3.27          | -7.982           | -0.0042               | -2.5 to 2.5 | Pass    |

|       |        |      |         |         |             |         |         |             |      |
|-------|--------|------|---------|---------|-------------|---------|---------|-------------|------|
|       |        |      |         |         | 3.85        | -30.398 | -0.0159 | -2.5 to 2.5 | Pass |
|       |        |      |         |         | 4.43        | -46.921 | -0.0246 | -2.5 to 2.5 | Pass |
|       |        |      |         | -30     | 3.85        | -7.181  | -0.0038 | -2.5 to 2.5 | Pass |
|       |        |      |         | -20     | 3.85        | -15.378 | -0.0081 | -2.5 to 2.5 | Pass |
|       |        |      |         | -10     | 3.85        | -26.350 | -0.0138 | -2.5 to 2.5 | Pass |
|       |        |      |         | 0       | 3.85        | -34.833 | -0.0183 | -2.5 to 2.5 | Pass |
|       |        |      |         | 10      | 3.85        | 1.130   | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |      |         | 30      | 3.85        | -9.670  | -0.0051 | -2.5 to 2.5 | Pass |
|       |        |      |         | 40      | 3.85        | -19.112 | -0.0100 | -2.5 to 2.5 | Pass |
|       |        |      |         | 50      | 3.85        | -37.179 | -0.0195 | -2.5 to 2.5 | Pass |
| 16QAM | 1851.5 | 15   | 0       | 20      | 3.27        | 5.236   | 0.0028  | -2.5 to 2.5 | Pass |
|       |        |      |         |         | 3.85        | -5.507  | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |      |         |         | 4.43        | -14.834 | -0.0080 | -2.5 to 2.5 | Pass |
|       |        |      |         | -30     | 3.85        | -24.791 | -0.0134 | -2.5 to 2.5 | Pass |
|       |        |      |         | -20     | 3.85        | -22.759 | -0.0123 | -2.5 to 2.5 | Pass |
|       |        |      |         | -10     | 3.85        | -14.462 | -0.0078 | -2.5 to 2.5 | Pass |
|       |        |      |         | 0       | 3.85        | -11.258 | -0.0061 | -2.5 to 2.5 | Pass |
|       |        |      |         | 10      | 3.85        | -10.071 | -0.0054 | -2.5 to 2.5 | Pass |
|       |        |      |         | 30      | 3.85        | -9.084  | -0.0049 | -2.5 to 2.5 | Pass |
|       |        |      |         | 40      | 3.85        | -8.626  | -0.0047 | -2.5 to 2.5 | Pass |
|       | 50     | 3.85 | -9.284  | -0.0050 | -2.5 to 2.5 | Pass    |         |             |      |
|       | 1880   | 15   | 0       | 20      | 3.27        | -7.224  | -0.0038 | -2.5 to 2.5 | Pass |
|       |        |      |         |         | 3.85        | -5.522  | -0.0029 | -2.5 to 2.5 | Pass |
|       |        |      |         |         | 4.43        | -10.586 | -0.0056 | -2.5 to 2.5 | Pass |
|       |        |      |         | -30     | 3.85        | -15.149 | -0.0081 | -2.5 to 2.5 | Pass |
|       |        |      |         | -20     | 3.85        | -19.770 | -0.0105 | -2.5 to 2.5 | Pass |
|       |        |      |         | -10     | 3.85        | -33.345 | -0.0177 | -2.5 to 2.5 | Pass |
|       |        |      |         | 0       | 3.85        | -35.648 | -0.0190 | -2.5 to 2.5 | Pass |
|       |        |      |         | 10      | 3.85        | -38.066 | -0.0202 | -2.5 to 2.5 | Pass |
|       |        |      |         | 30      | 3.85        | -39.124 | -0.0208 | -2.5 to 2.5 | Pass |
|       |        |      |         | 40      | 3.85        | -32.816 | -0.0175 | -2.5 to 2.5 | Pass |
|       | 50     | 3.85 | -32.687 | -0.0174 | -2.5 to 2.5 | Pass    |         |             |      |
|       | 1908.5 | 15   | 0       | 20      | 3.27        | -5.507  | -0.0029 | -2.5 to 2.5 | Pass |
|       |        |      |         |         | 3.85        | -20.285 | -0.0106 | -2.5 to 2.5 | Pass |
|       |        |      |         |         | 4.43        | -35.219 | -0.0185 | -2.5 to 2.5 | Pass |
|       |        |      |         | -30     | 3.85        | -33.145 | -0.0174 | -2.5 to 2.5 | Pass |
|       |        |      |         | -20     | 3.85        | -5.465  | -0.0029 | -2.5 to 2.5 | Pass |
|       |        |      |         | -10     | 3.85        | -18.697 | -0.0098 | -2.5 to 2.5 | Pass |
|       |        |      |         | 0       | 3.85        | -28.024 | -0.0147 | -2.5 to 2.5 | Pass |
|       |        |      |         | 10      | 3.85        | -34.161 | -0.0179 | -2.5 to 2.5 | Pass |
|       |        |      |         | 30      | 3.85        | -41.084 | -0.0215 | -2.5 to 2.5 | Pass |
|       |        |      |         | 40      | 3.85        | -48.208 | -0.0253 | -2.5 to 2.5 | Pass |
|       | 50     | 3.85 | -3.319  | -0.0017 | -2.5 to 2.5 | Pass    |         |             |      |

### 2.1.3 B2\_5MHz

| Band: 2 / Bandwidth: 5MHz |                 |               |        |            |               |                  |                       |             |         |
|---------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                           |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                      | 1852.5          | 25            | 0      | 20         | 3.27          | -3.333           | -0.0018               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -29.039          | -0.0157               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -41.742          | -0.0225               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -45.118          | -0.0244               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -38.624          | -0.0208               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -27.394          | -0.0148               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -16.751          | -0.0090               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -12.288          | -0.0066               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -11.172          | -0.0060               | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
|       |        |    |   | 40  | 3.85 | -11.644 | -0.0063 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -6.151  | -0.0033 | -2.5 to 2.5 | Pass |
|       | 1880   | 25 | 0 | 20  | 3.27 | -8.225  | -0.0044 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -19.197 | -0.0102 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -28.567 | -0.0152 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -30.026 | -0.0160 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -35.977 | -0.0191 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -31.185 | -0.0166 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -29.626 | -0.0158 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -30.642 | -0.0163 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -35.477 | -0.0189 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -38.552 | -0.0205 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 13.690  | 0.0073  | -2.5 to 2.5 | Pass |
|       | 1907.5 | 25 | 0 | 20  | 3.27 | -9.112  | -0.0048 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -29.426 | -0.0154 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -12.245 | -0.0064 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -22.187 | -0.0116 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -41.142 | -0.0216 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 2.232   | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -24.619 | -0.0129 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -35.062 | -0.0184 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -34.819 | -0.0183 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 8.211   | 0.0043  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -11.988 | -0.0063 | -2.5 to 2.5 | Pass |
| 16QAM | 1852.5 | 25 | 0 | 20  | 3.27 | 0.043   | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 1.702   | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 7.968   | 0.0043  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 9.871   | 0.0053  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 14.291  | 0.0077  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 14.763  | 0.0080  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 13.103  | 0.0071  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 14.691  | 0.0079  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 24.734  | 0.0134  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 27.938  | 0.0151  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 30.785  | 0.0166  | -2.5 to 2.5 | Pass |
|       | 1880   | 25 | 0 | 20  | 3.27 | 11.544  | 0.0061  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 9.313   | 0.0050  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 9.298   | 0.0049  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 15.092  | 0.0080  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 13.289  | 0.0071  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 13.332  | 0.0071  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 10.529  | 0.0056  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 11.759  | 0.0063  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 11.930  | 0.0063  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 8.039   | 0.0043  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 9.098   | 0.0048  | -2.5 to 2.5 | Pass |
|       | 1907.5 | 25 | 0 | 20  | 3.27 | -24.204 | -0.0127 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -25.606 | -0.0134 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -31.972 | -0.0168 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -44.360 | -0.0233 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -19.698 | -0.0103 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -36.135 | -0.0189 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 15.335  | 0.0080  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 4.034   | 0.0021  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -2.861  | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -31.743 | -0.0166 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -48.237 | -0.0253 | -2.5 to 2.5 | Pass |

## 2.1.4 B2\_10MHz

| Band: 2 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 1855            | 50            | 0      | 20         | 3.27          | 21.243           | 0.0115                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 11.029           | 0.0059                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 23.303           | 0.0126                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 31.786           | 0.0171                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 20.843           | 0.0112                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 31.457           | 0.0170                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 46.020           | 0.0248                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 52.128           | 0.0281                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -0.429           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 5.894            | 0.0032                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 11.415           | 0.0062                | -2.5 to 2.5 | Pass    |
|                            | 1880            | 50            | 0      | 20         | 3.27          | 13.289           | 0.0071                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 2.332            | 0.0012                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 1.073            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 2.189            | 0.0012                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -5.922           | -0.0032               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -5.364           | -0.0029               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -3.033           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -7.067           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -19.112          | -0.0102               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -21.186          | -0.0113               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -27.738          | -0.0148               | -2.5 to 2.5 | Pass    |
|                            | 1905            | 50            | 0      | 20         | 3.27          | -33.789          | -0.0177               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -18.225          | -0.0096               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -14.706          | -0.0077               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -28.067          | -0.0147               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -50.111          | -0.0263               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -14.334          | -0.0075               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -42.315          | -0.0222               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -26.422          | -0.0139               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -15.049          | -0.0079               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -33.531          | -0.0176               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 1855            | 50            | 0      | 20         | 3.27          | 17.953           | 0.0097                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 25.420           | 0.0137                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 34.719           | 0.0187                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 22.817           | 0.0123                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 19.941           | 0.0107                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 21.672           | 0.0117                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 32.487           | 0.0175                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 36.449           | 0.0196                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 45.919           | 0.0248                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -7.553           | -0.0041               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -3.333           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 50            | 0      | 20         | 3.27          | -33.216          | -0.0177               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -30.127          | -0.0160               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -29.297          | -0.0156               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -27.781          | -0.0148               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -25.091          | -0.0133               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -24.920          | -0.0133               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -17.738          | -0.0094               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -21.214          | -0.0113               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -27.866          | -0.0148               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -29.182          | -0.0155               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -6.480           | -0.0034               | -2.5 to 2.5 | Pass    |

|  |      |    |   |     |      |         |         |             |      |
|--|------|----|---|-----|------|---------|---------|-------------|------|
|  | 1905 | 50 | 0 | 20  | 3.27 | -27.795 | -0.0146 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 3.85 | -39.053 | -0.0205 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 4.43 | -11.888 | -0.0062 | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 3.85 | -19.541 | -0.0103 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.85 | -25.692 | -0.0135 | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.85 | -40.956 | -0.0215 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.85 | -6.337  | -0.0033 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.85 | -12.932 | -0.0068 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.85 | -15.793 | -0.0083 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.85 | -16.794 | -0.0088 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.85 | -22.874 | -0.0120 | -2.5 to 2.5 | Pass |

### 2.1.5 B2\_15MHz

| Band: 2 / Bandwidth: 15MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 1857.5          | 75            | 0      | 20         | 3.27          | -2.418           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -32.115          | -0.0173               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -40.483          | -0.0218               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -32.129          | -0.0173               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -18.497          | -0.0100               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -10.514          | -0.0057               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -7.796           | -0.0042               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -3.948           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -10.743          | -0.0058               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -15.264          | -0.0082               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -16.608          | -0.0089               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 75            | 0      | 20         | 3.27          | 5.436            | 0.0029                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -8.368           | -0.0045               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -13.604          | -0.0072               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -20.485          | -0.0109               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -27.637          | -0.0147               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -33.016          | -0.0176               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -44.460          | -0.0236               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -16.093          | -0.0086               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -23.632          | -0.0126               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -31.886          | -0.0170               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -35.763          | -0.0190               | -2.5 to 2.5 | Pass    |
|                            | 1902.5          | 75            | 0      | 20         | 3.27          | -13.361          | -0.0070               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -28.353          | -0.0149               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -29.011          | -0.0152               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -31.228          | -0.0164               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -42.744          | -0.0225               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -46.792          | -0.0246               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -47.750          | -0.0251               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 8.025            | 0.0042                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -0.072           | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -19.269          | -0.0101               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -34.761          | -0.0183               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 1857.5          | 75            | 0      | 20         | 3.27          | -12.660          | -0.0068               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -10.600          | -0.0057               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -7.596           | -0.0041               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 3.319            | 0.0018                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 6.094            | 0.0033                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 7.052            | 0.0038                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 14.105           | 0.0076                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 17.009           | 0.0092                | -2.5 to 2.5 | Pass    |

|  |        |    |   |     |      |         |         |             |      |
|--|--------|----|---|-----|------|---------|---------|-------------|------|
|  | 1880   | 75 | 0 | 30  | 3.85 | 24.333  | 0.0131  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | 33.088  | 0.0178  | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | 34.890  | 0.0188  | -2.5 to 2.5 | Pass |
|  |        |    |   | 20  | 3.27 | -43.859 | -0.0233 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | 17.953  | 0.0095  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | 26.264  | 0.0140  | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | 22.030  | 0.0117  | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | 19.755  | 0.0105  | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | -11.616 | -0.0062 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -13.146 | -0.0070 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | -29.812 | -0.0159 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -31.929 | -0.0170 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | -22.988 | -0.0122 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | -4.106  | -0.0022 | -2.5 to 2.5 | Pass |
|  | 1902.5 | 75 | 0 | 20  | 3.27 | -3.548  | -0.0019 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | -11.201 | -0.0059 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | -14.105 | -0.0074 | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | -17.495 | -0.0092 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | -19.054 | -0.0100 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | -22.645 | -0.0119 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -27.995 | -0.0147 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | -29.840 | -0.0157 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -31.443 | -0.0165 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | -37.208 | -0.0196 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | -39.268 | -0.0206 | -2.5 to 2.5 | Pass |

## 2.1.6 B2\_20MHz

| Band: 2 / Bandwidth: 20MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 1860            | 100           | 0      | 20         | 3.27          | -0.744           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -17.910          | -0.0096               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -17.924          | -0.0096               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -2.847           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 4.849            | 0.0026                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 13.247           | 0.0071                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 11.644           | 0.0063                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 8.898            | 0.0048                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 10.543           | 0.0057                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 0.272            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 4.020            | 0.0022                | -2.5 to 2.5 | Pass    |
|                            | 1880            | 100           | 0      | 20         | 3.27          | -16.809          | -0.0089               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -30.684          | -0.0163               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -34.890          | -0.0186               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -23.975          | -0.0128               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 11.401           | 0.0061                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 3.018            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -8.898           | -0.0047               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -15.249          | -0.0081               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -26.550          | -0.0141               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -36.421          | -0.0194               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -8.783           | -0.0047               | -2.5 to 2.5 | Pass    |
|                            | 1900            | 100           | 0      | 20         | 3.27          | 5.121            | 0.0027                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -16.122          | -0.0085               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -22.645          | -0.0119               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -19.770          | -0.0104               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -21.458          | -0.0113               | -2.5 to 2.5 | Pass    |

|       |      |     |   |     |      |         |         |             |      |
|-------|------|-----|---|-----|------|---------|---------|-------------|------|
| 16QAM |      |     |   | -10 | 3.85 | -27.251 | -0.0143 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -33.932 | -0.0179 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -44.804 | -0.0236 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -0.172  | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -15.907 | -0.0084 | -2.5 to 2.5 | Pass |
|       | 1860 | 100 | 0 | 50  | 3.85 | -31.042 | -0.0163 | -2.5 to 2.5 | Pass |
|       |      |     |   | 20  | 3.27 | 15.492  | 0.0083  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | 24.576  | 0.0132  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | 26.779  | 0.0144  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | 30.069  | 0.0162  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | 42.100  | 0.0226  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | 12.045  | 0.0065  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | 31.614  | 0.0170  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | 39.167  | 0.0211  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | 48.623  | 0.0261  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -6.151  | -0.0033 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -5.708  | -0.0031 | -2.5 to 2.5 | Pass |
|       | 1880 | 100 | 0 | 20  | 3.27 | -12.875 | -0.0068 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -9.971  | -0.0053 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -14.033 | -0.0075 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -9.727  | -0.0052 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -15.135 | -0.0081 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -6.237  | -0.0033 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | 0.758   | 0.0004  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -3.977  | -0.0021 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -2.460  | -0.0013 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -7.567  | -0.0040 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -1.903  | -0.0010 | -2.5 to 2.5 | Pass |
|       | 1900 | 100 | 0 | 20  | 3.27 | -38.280 | -0.0201 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -39.067 | -0.0206 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -37.107 | -0.0195 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -44.217 | -0.0233 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -18.482 | -0.0097 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -7.997  | -0.0042 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -8.998  | -0.0047 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -5.765  | -0.0030 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -2.890  | -0.0015 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | 3.791   | 0.0020  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 8.655   | 0.0046  | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

##### 3.1.1 B2\_1.4MHz

| Band: 2 / Bandwidth: 1.4MHz / NTV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 1880            | 6             | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 1880            | 6             | 0      | Refer To Test Graph        |       | Pass    |

##### 3.1.2 B2\_3MHz

| Band: 2 / Bandwidth: 3MHz / NTNV |  |  |  |  |  |
|----------------------------------|--|--|--|--|--|
|----------------------------------|--|--|--|--|--|

| Modulation | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|------------|-----------------|---------------|--------|----------------------------|-------|---------|
|            |                 | Size          | Offset | Result                     | Limit |         |
| QPSK       | 1880            | 15            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM      | 1880            | 15            | 0      | Refer To Test Graph        |       | Pass    |

### 3.1.3 B2\_5MHz

| Band: 2 / Bandwidth: 5MHz / NTNV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                  |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                             | 1880            | 25            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                            | 1880            | 25            | 0      | Refer To Test Graph        |       | Pass    |

### 3.1.4 B2\_10MHz

| Band: 2 / Bandwidth: 10MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 1880            | 50            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 1880            | 50            | 0      | Refer To Test Graph        |       | Pass    |

### 3.1.5 B2\_15MHz

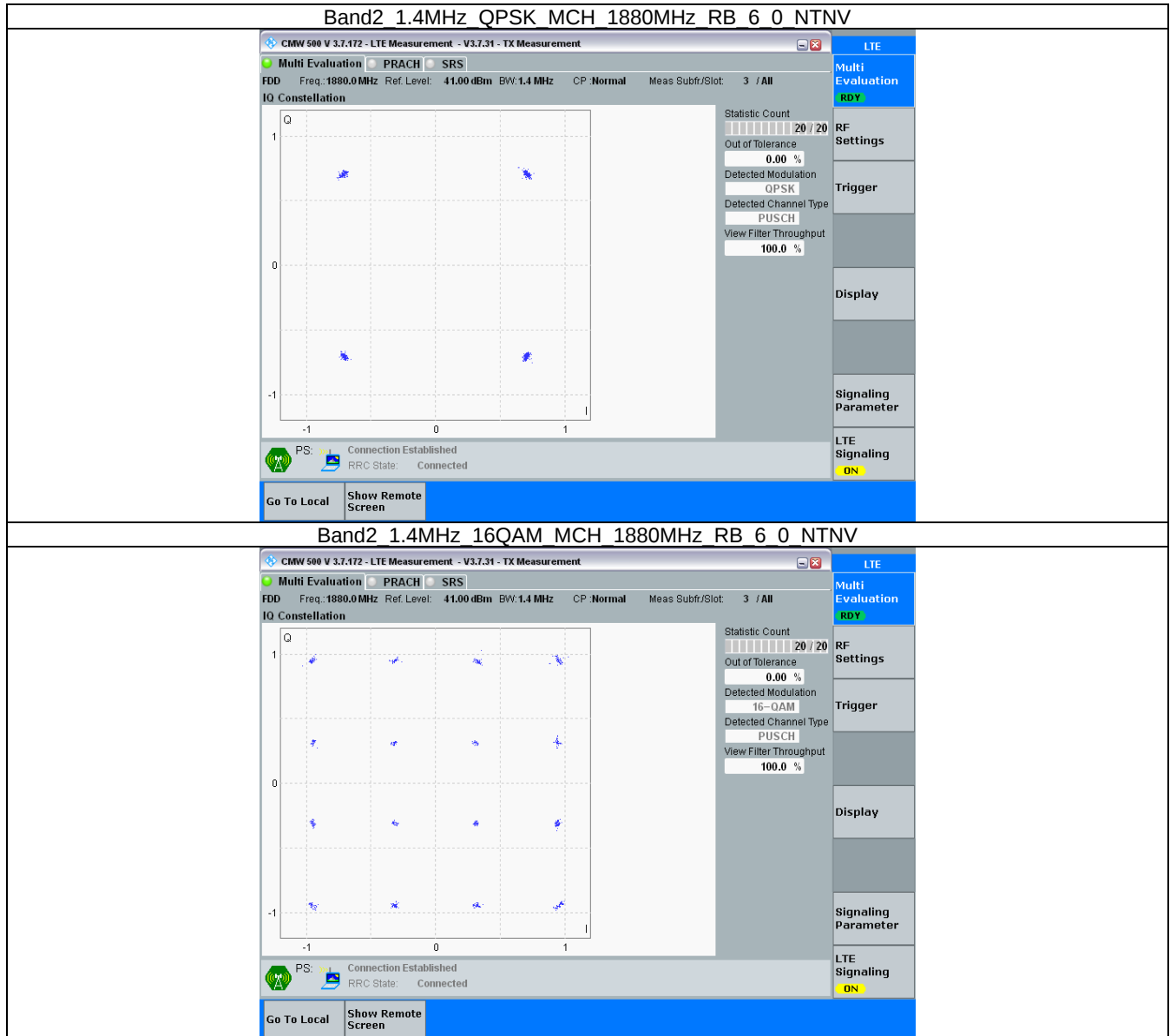
| Band: 2 / Bandwidth: 15MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 1880            | 75            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 1880            | 75            | 0      | Refer To Test Graph        |       | Pass    |

### 3.1.6 B2\_20MHz

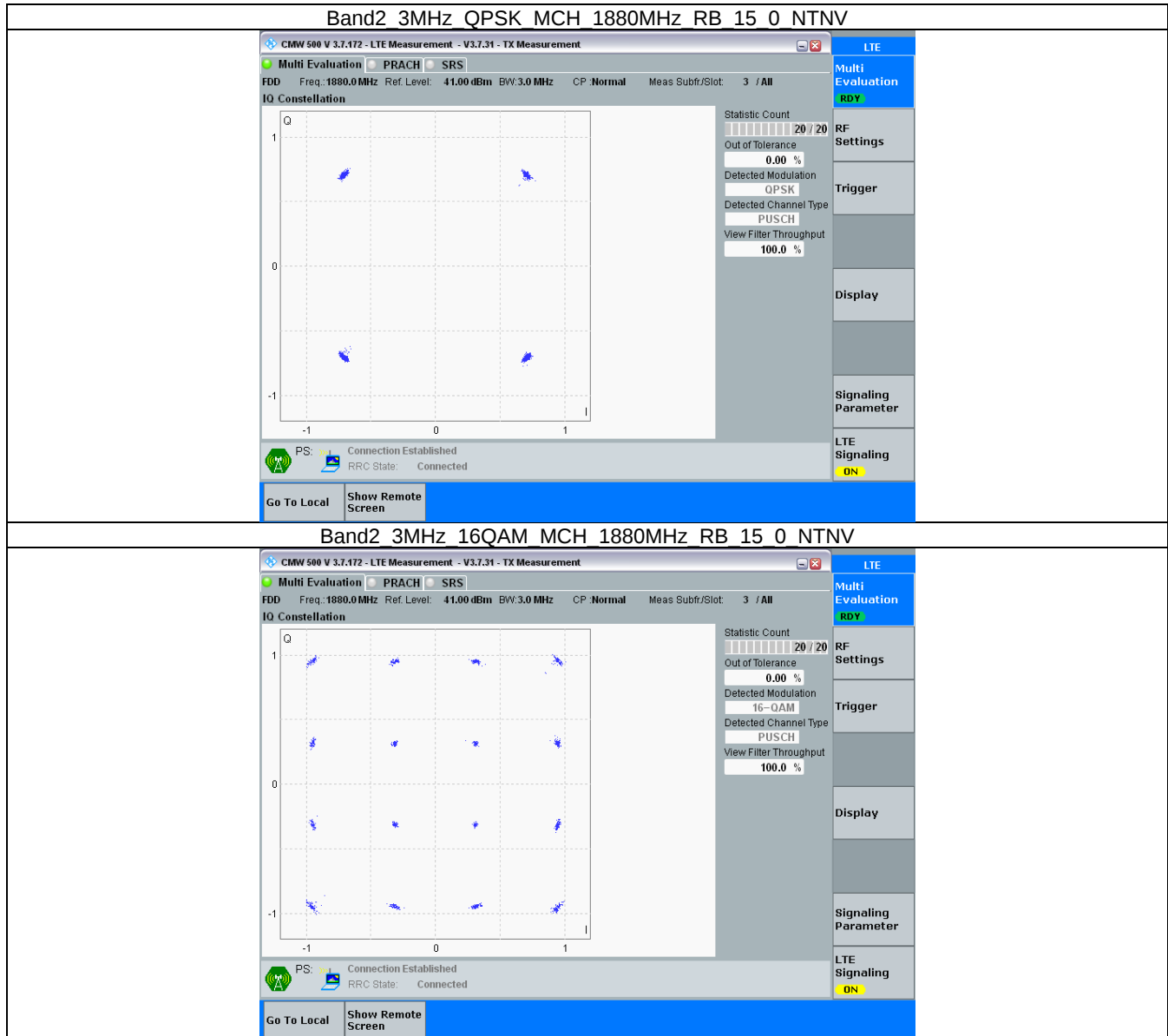
| Band: 2 / Bandwidth: 20MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 1880            | 100           | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 1880            | 100           | 0      | Refer To Test Graph        |       | Pass    |

## 3.2 Test Graph

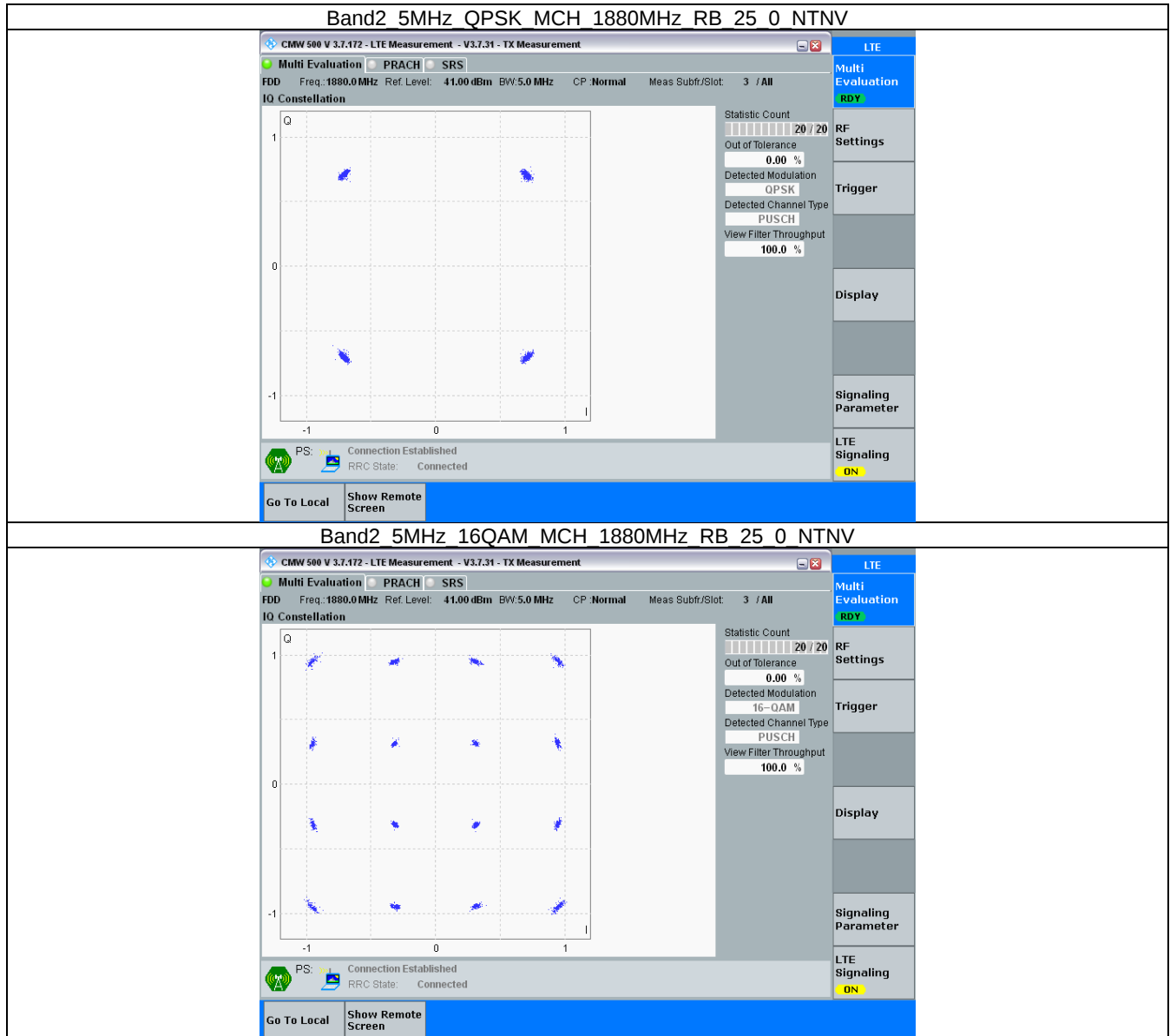
### 3.2.1 B2\_1.4MHz



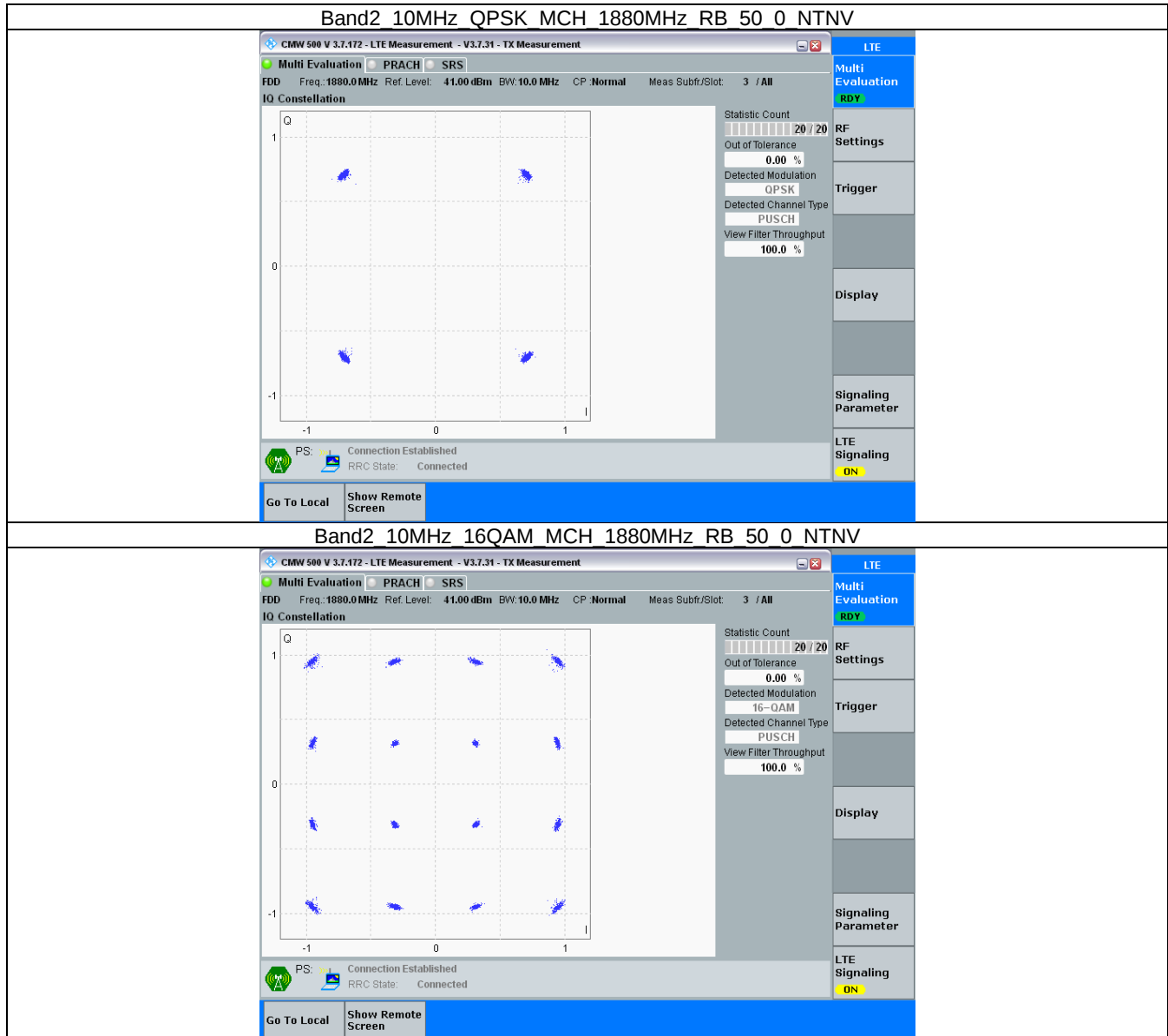
### 3.2.2 B2\_3MHz



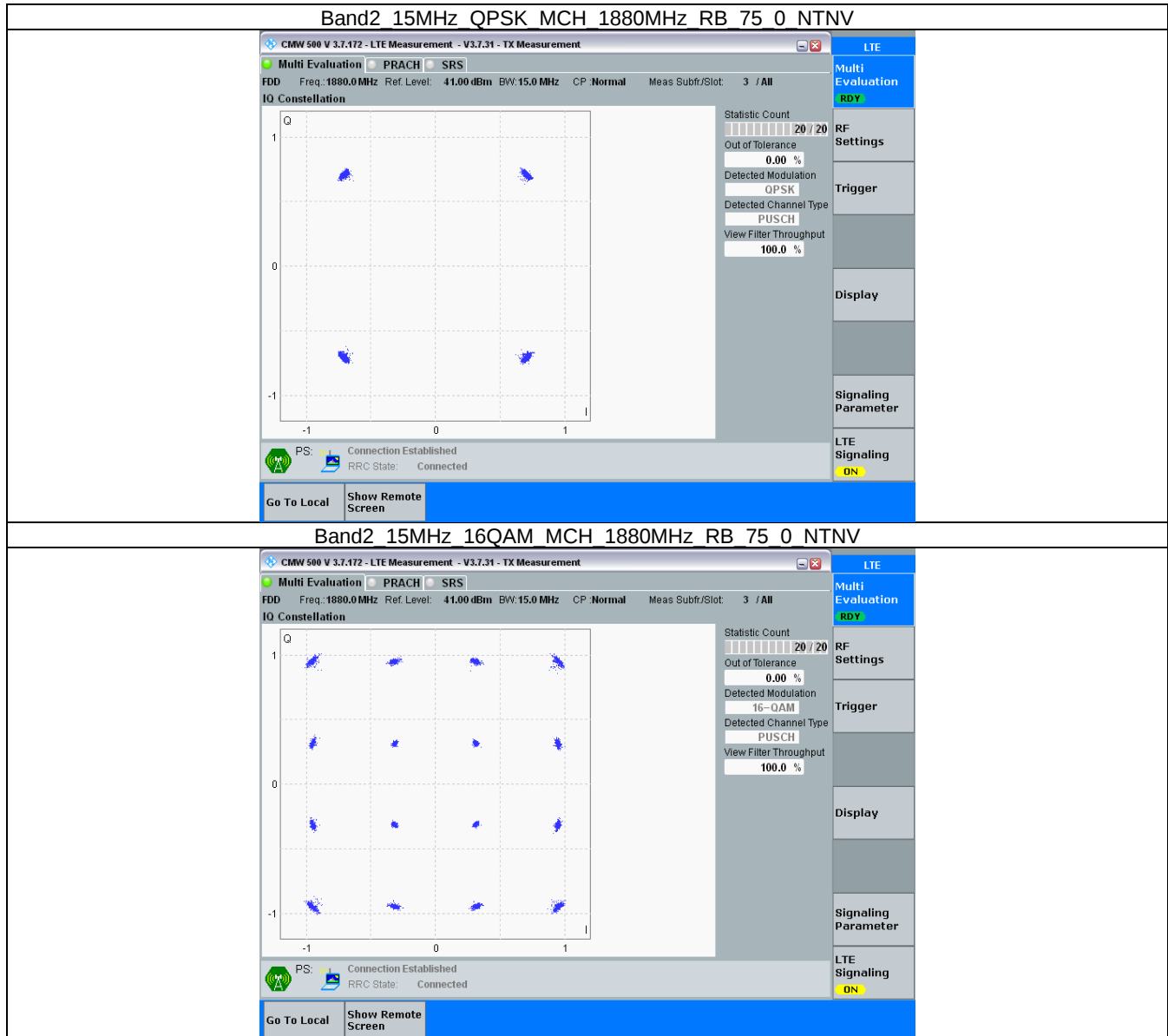
### 3.2.3 B2\_5MHz



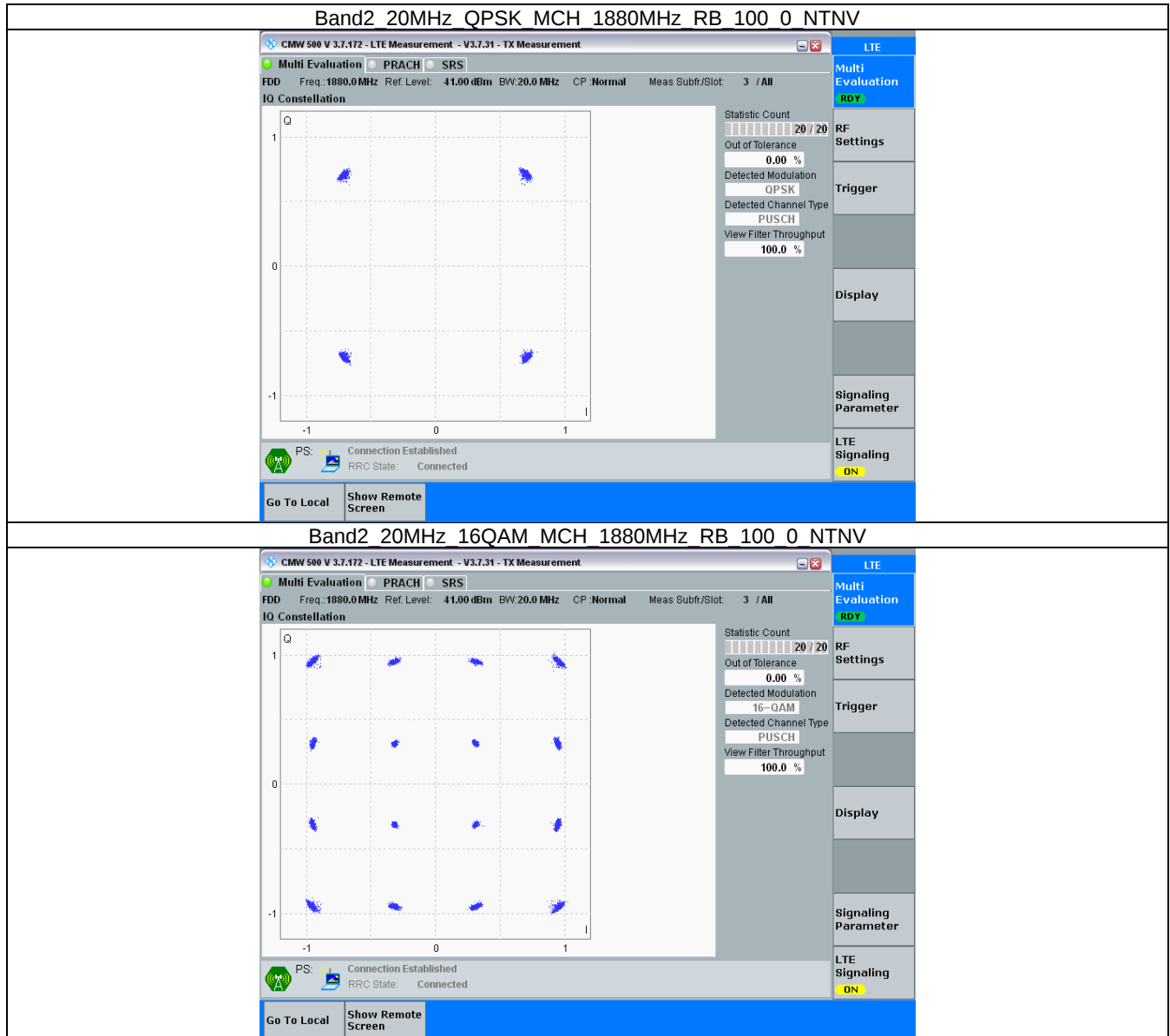
### 3.2.4 B2\_10MHz



### 3.2.5 B2\_15MHz



### 3.2.6 B2\_20MHz



## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 Band2\_OBW

| Band: 2 / NTN   |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 1850.7          | 6             | 0      | 1.116                        | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.114                        | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.113                        | /     | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.121                        | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.112                        | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.112                        | /     | Pass    |
| 3               | QPSK       | 1851.5          | 15            | 0      | 2.764                        | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 2.749                        | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.766                        | /     | Pass    |
|                 | 16QAM      | 1851.5          | 15            | 0      | 2.761                        | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 2.757                        | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.749                        | /     | Pass    |
| 5               | QPSK       | 1852.5          | 25            | 0      | 4.566                        | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 4.545                        | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.538                        | /     | Pass    |
|                 | 16QAM      | 1852.5          | 25            | 0      | 4.560                        | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 4.589                        | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.565                        | /     | Pass    |
| 10              | QPSK       | 1855            | 50            | 0      | 9.070                        | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.099                        | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 9.065                        | /     | Pass    |
|                 | 16QAM      | 1855            | 50            | 0      | 9.064                        | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.091                        | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 9.054                        | /     | Pass    |
| 15              | QPSK       | 1857.5          | 75            | 0      | 13.618                       | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 13.612                       | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.584                       | /     | Pass    |
|                 | 16QAM      | 1857.5          | 75            | 0      | 13.580                       | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 13.636                       | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.638                       | /     | Pass    |
| 20              | QPSK       | 1860            | 100           | 0      | 18.121                       | /     | Pass    |
|                 |            | 1880            | 100           | 0      | 18.170                       | /     | Pass    |
|                 |            | 1900            | 100           | 0      | 18.163                       | /     | Pass    |
|                 | 16QAM      | 1860            | 100           | 0      | 18.113                       | /     | Pass    |
|                 |            | 1880            | 100           | 0      | 18.146                       | /     | Pass    |
|                 |            | 1900            | 100           | 0      | 18.147                       | /     | Pass    |

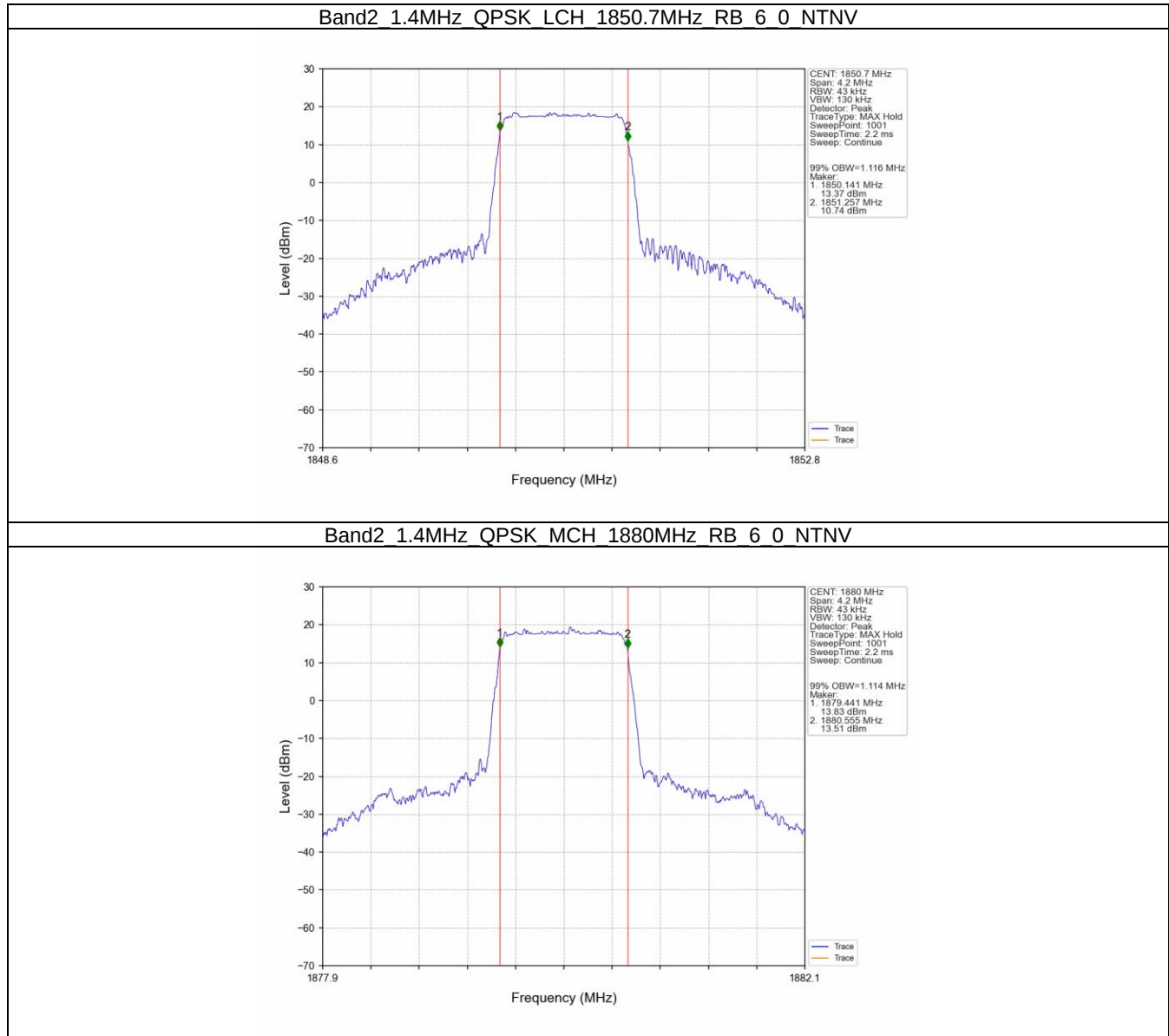
#### 4.1.2 Band2\_XDB

| Band: 2 / NTN   |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 1850.7          | 6             | 0      | 1.280                | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.268                | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.268                | /     | Pass    |

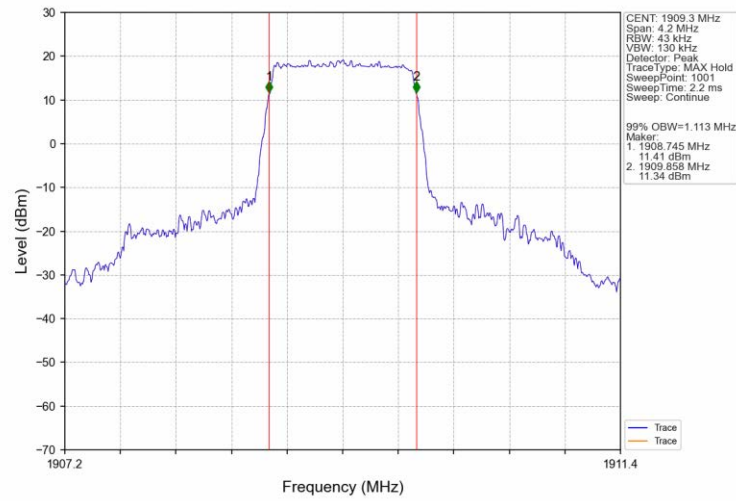
|    |       |        |     |   |        |   |      |
|----|-------|--------|-----|---|--------|---|------|
|    | 16QAM | 1850.7 | 6   | 0 | 1.276  | / | Pass |
|    |       | 1880   | 6   | 0 | 1.270  | / | Pass |
|    |       | 1909.3 | 6   | 0 | 1.271  | / | Pass |
| 3  | QPSK  | 1851.5 | 15  | 0 | 3.093  | / | Pass |
|    |       | 1880   | 15  | 0 | 3.096  | / | Pass |
|    |       | 1908.5 | 15  | 0 | 3.096  | / | Pass |
|    | 16QAM | 1851.5 | 15  | 0 | 3.091  | / | Pass |
|    |       | 1880   | 15  | 0 | 3.128  | / | Pass |
|    |       | 1908.5 | 15  | 0 | 3.087  | / | Pass |
| 5  | QPSK  | 1852.5 | 25  | 0 | 5.056  | / | Pass |
|    |       | 1880   | 25  | 0 | 5.069  | / | Pass |
|    |       | 1907.5 | 25  | 0 | 4.968  | / | Pass |
|    | 16QAM | 1852.5 | 25  | 0 | 5.058  | / | Pass |
|    |       | 1880   | 25  | 0 | 5.053  | / | Pass |
|    |       | 1907.5 | 25  | 0 | 5.062  | / | Pass |
| 10 | QPSK  | 1855   | 50  | 0 | 10.076 | / | Pass |
|    |       | 1880   | 50  | 0 | 10.078 | / | Pass |
|    |       | 1905   | 50  | 0 | 10.045 | / | Pass |
|    | 16QAM | 1855   | 50  | 0 | 10.018 | / | Pass |
|    |       | 1880   | 50  | 0 | 10.109 | / | Pass |
|    |       | 1905   | 50  | 0 | 10.033 | / | Pass |
| 15 | QPSK  | 1857.5 | 75  | 0 | 15.214 | / | Pass |
|    |       | 1880   | 75  | 0 | 15.265 | / | Pass |
|    |       | 1902.5 | 75  | 0 | 15.133 | / | Pass |
|    | 16QAM | 1857.5 | 75  | 0 | 15.220 | / | Pass |
|    |       | 1880   | 75  | 0 | 15.270 | / | Pass |
|    |       | 1902.5 | 75  | 0 | 15.108 | / | Pass |
| 20 | QPSK  | 1860   | 100 | 0 | 19.986 | / | Pass |
|    |       | 1880   | 100 | 0 | 20.107 | / | Pass |
|    |       | 1900   | 100 | 0 | 20.076 | / | Pass |
|    | 16QAM | 1860   | 100 | 0 | 20.044 | / | Pass |
|    |       | 1880   | 100 | 0 | 19.971 | / | Pass |
|    |       | 1900   | 100 | 0 | 19.930 | / | Pass |

## 4.2 Test Graph

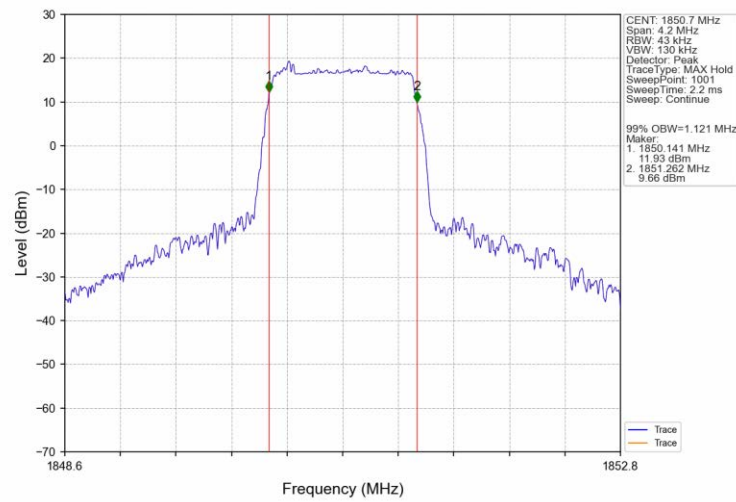
### 4.2.1 Band2\_OBW



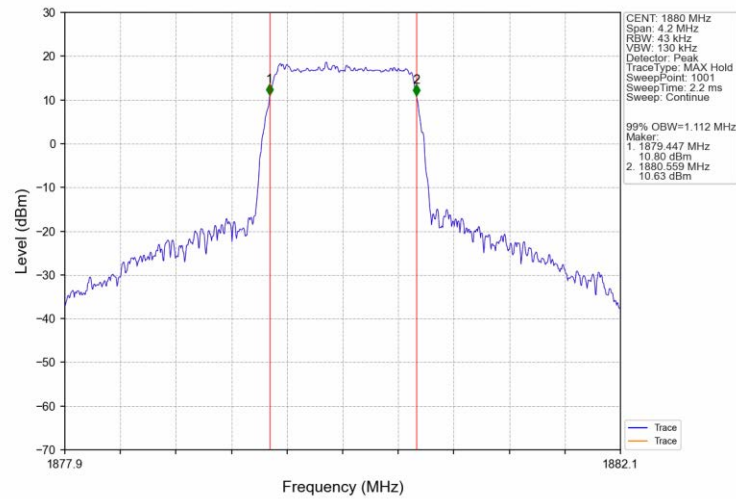
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



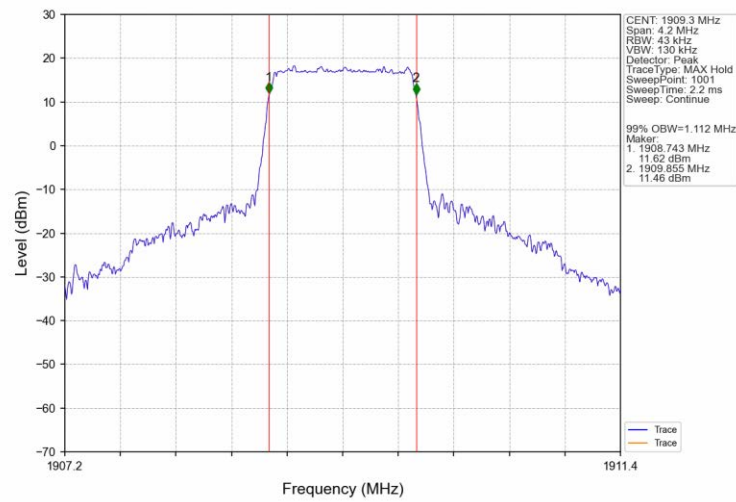
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



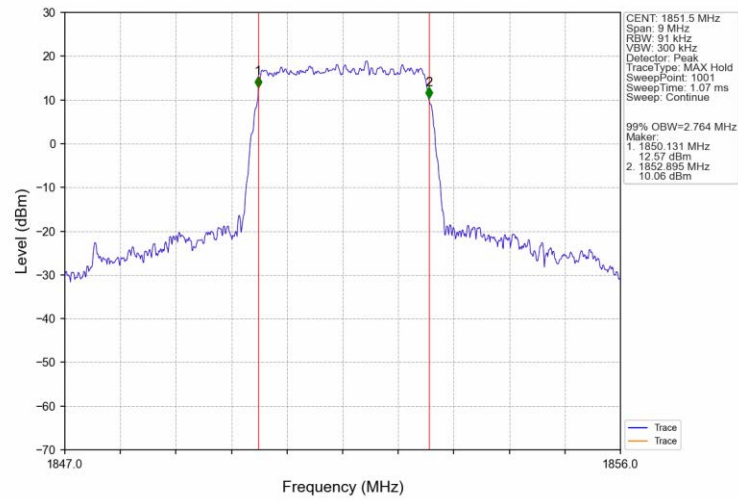
Band2 1.4MHz 16QAM MCH 1880MHz RB 6 0 NTNV



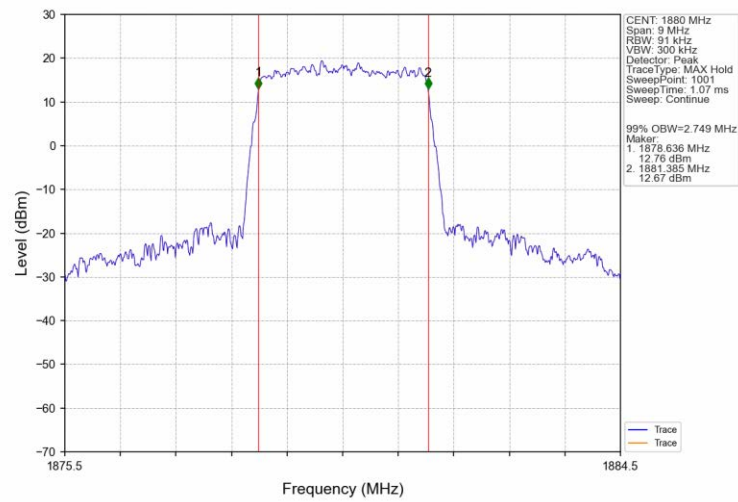
Band2 1.4MHz 16QAM HCH 1909.3MHz RB 6 0 NTNV



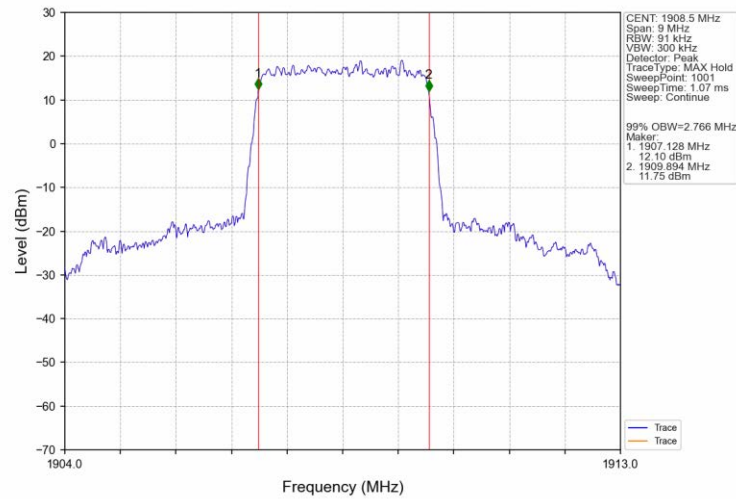
Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



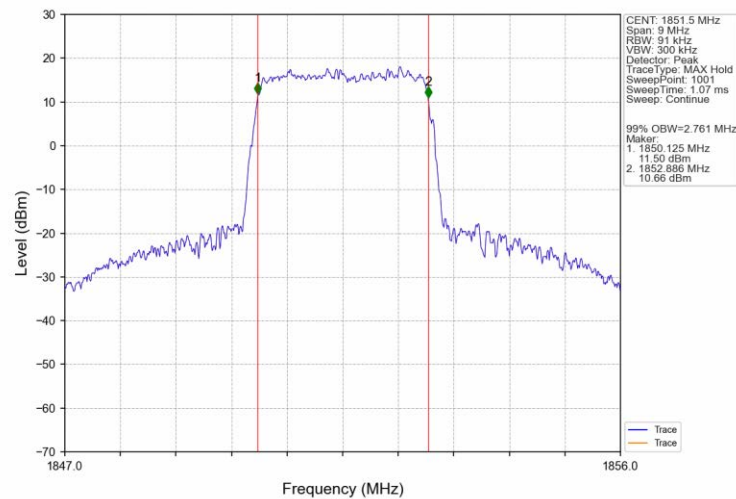
Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_15\_0\_NTNV



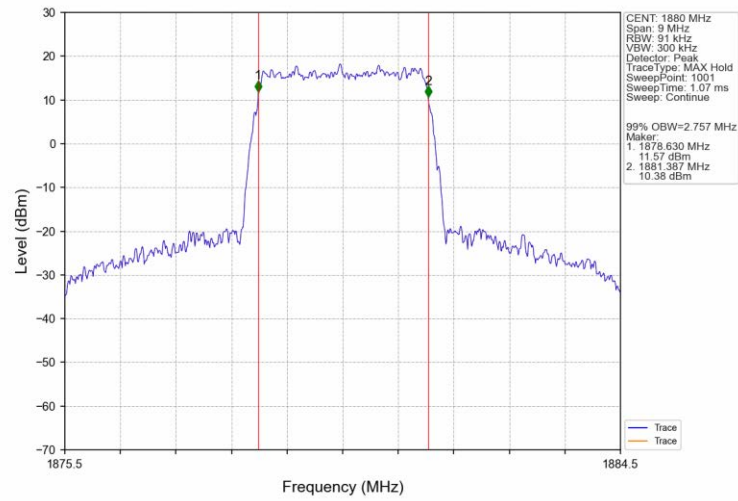
Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



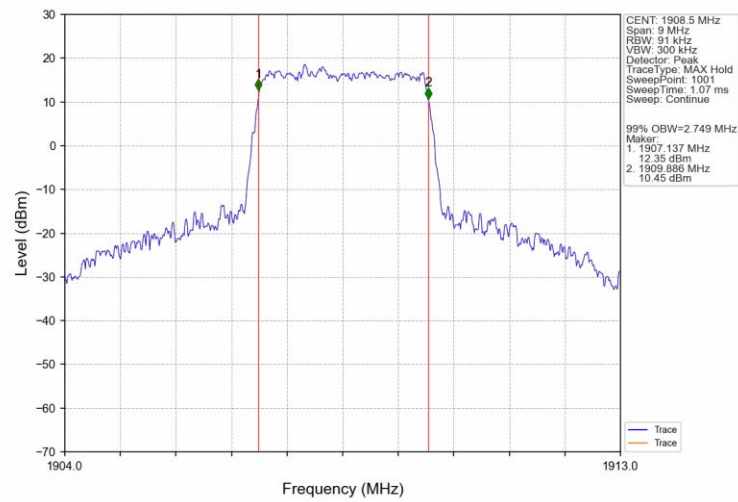
Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



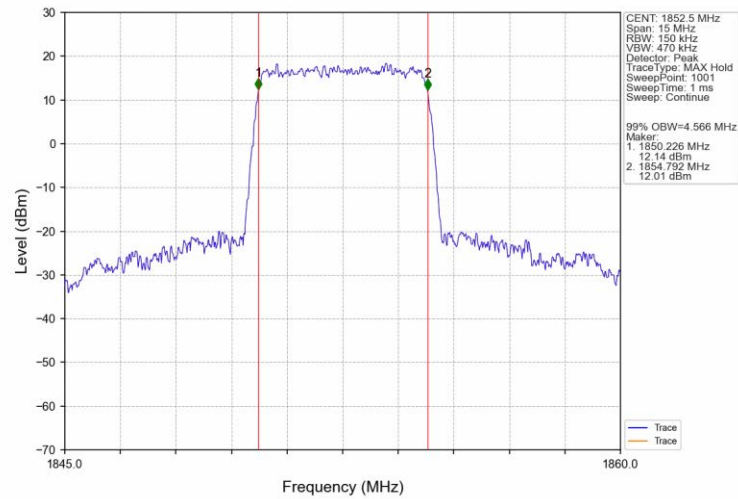
Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_15\_0\_NTNV



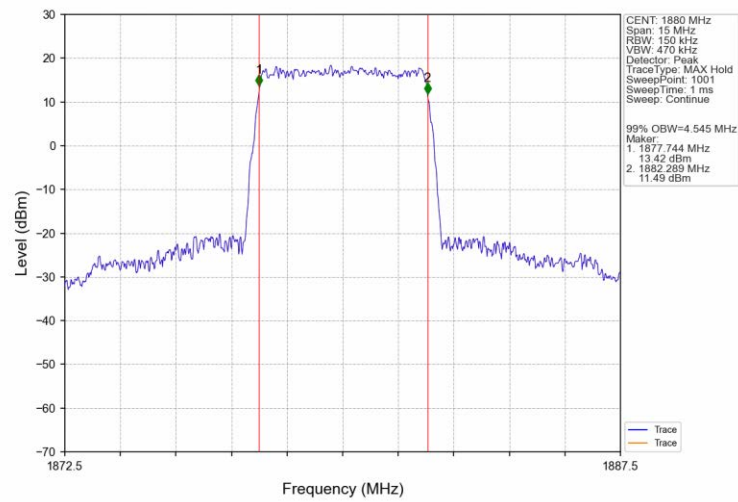
Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



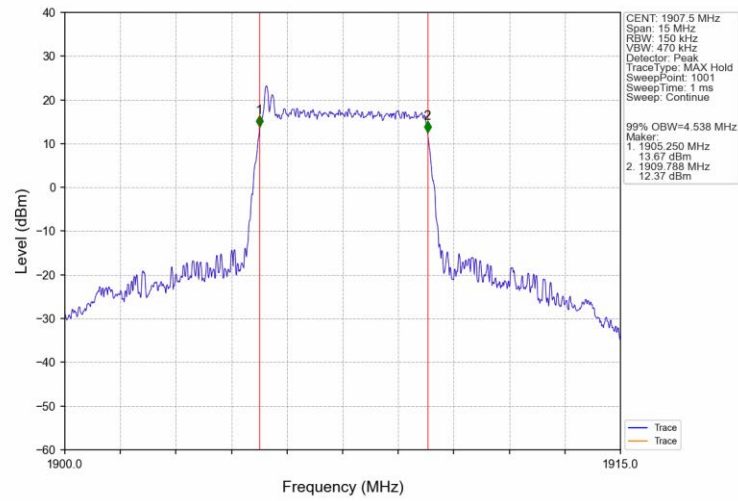
Band2\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



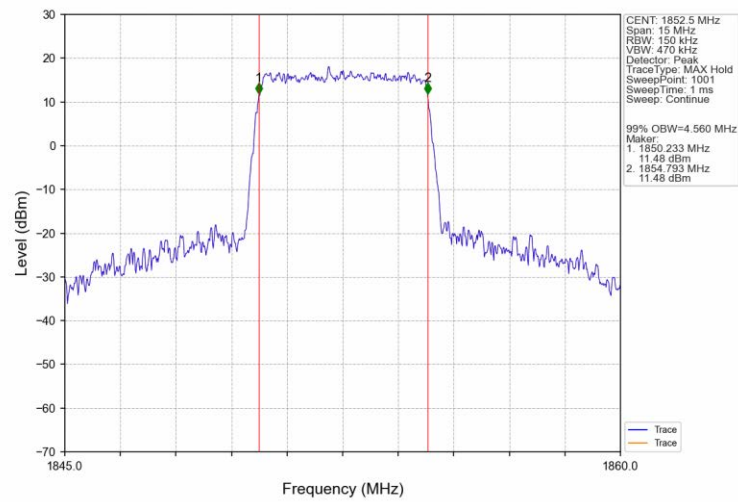
Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_25\_0\_NTNV



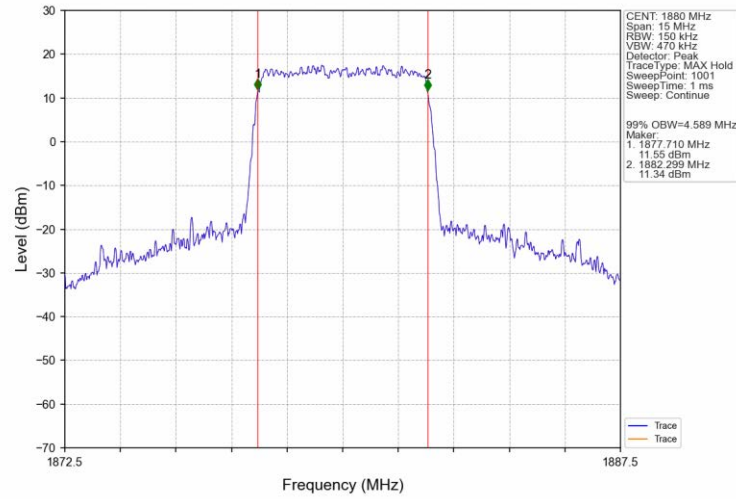
Band2\_5MHz\_QPSK\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



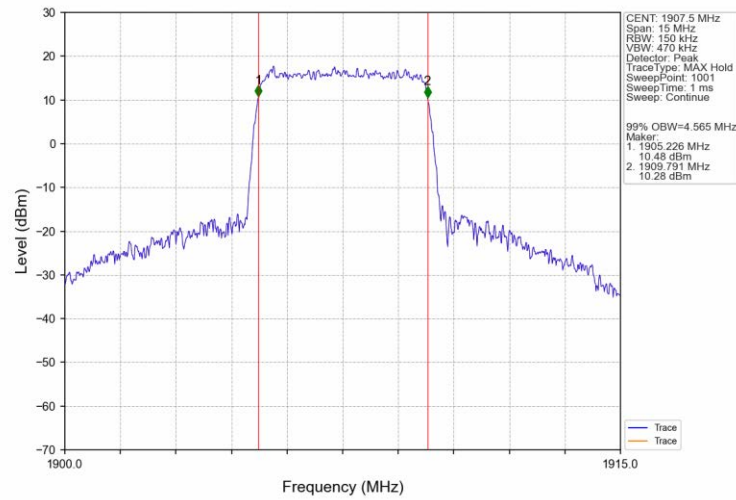
Band2\_5MHz\_16QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



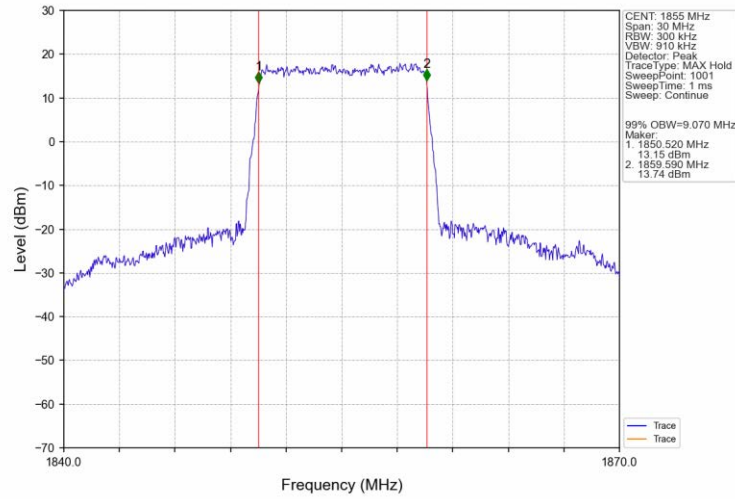
Band2\_5MHz\_16QAM\_MCH\_1880MHz\_RB\_25\_0\_NTNV



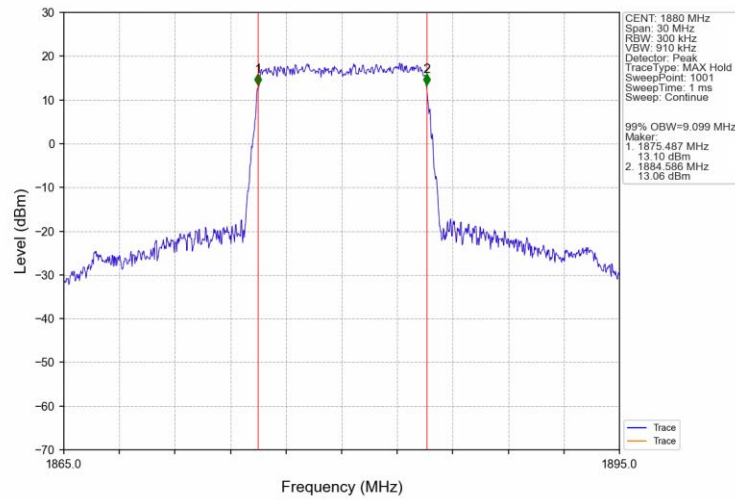
Band2\_5MHz\_16QAM\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



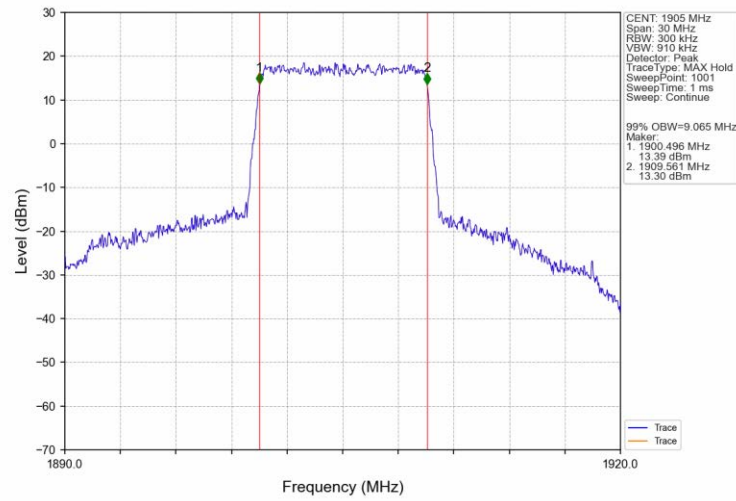
Band2\_10MHz\_QPSK\_LCH\_1855MHz\_RB\_50\_0\_NTNV



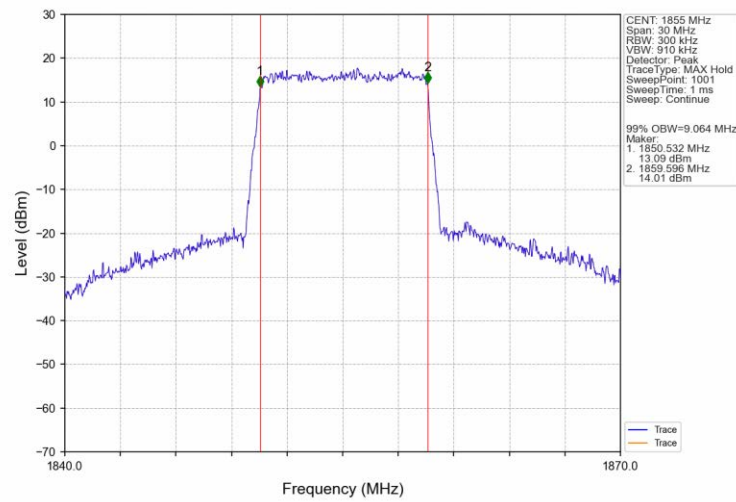
Band2\_10MHz\_QPSK\_MCH\_1880MHz\_RB\_50\_0\_NTNV



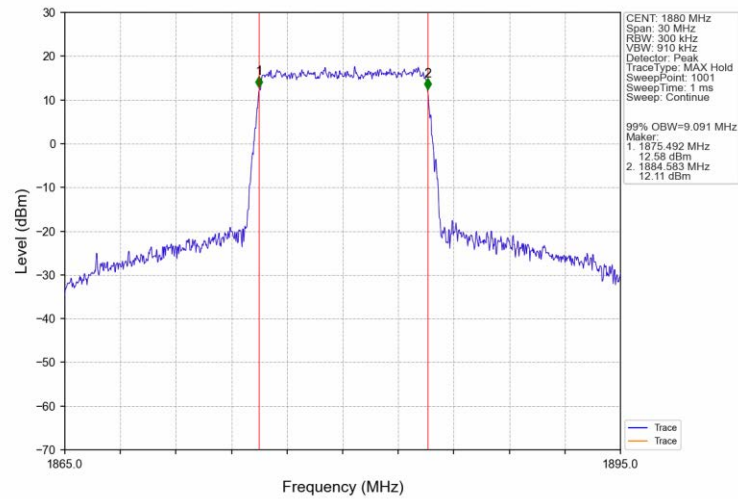
Band2\_10MHz\_QPSK\_HCH\_1905MHz\_RB\_50\_0\_NTNV



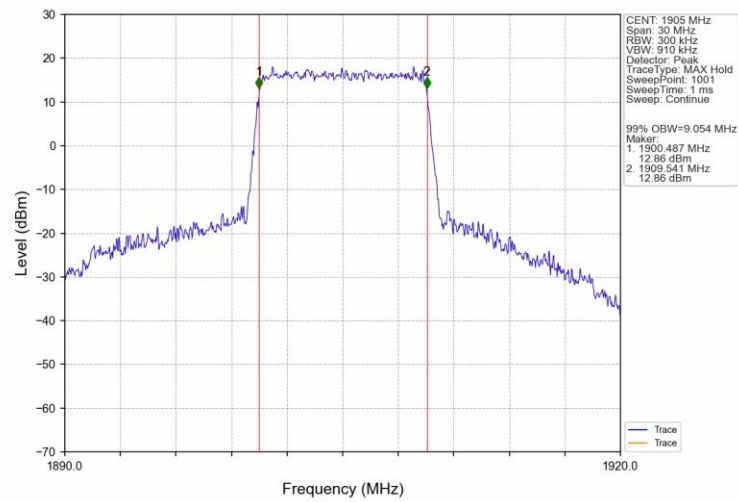
Band2\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV



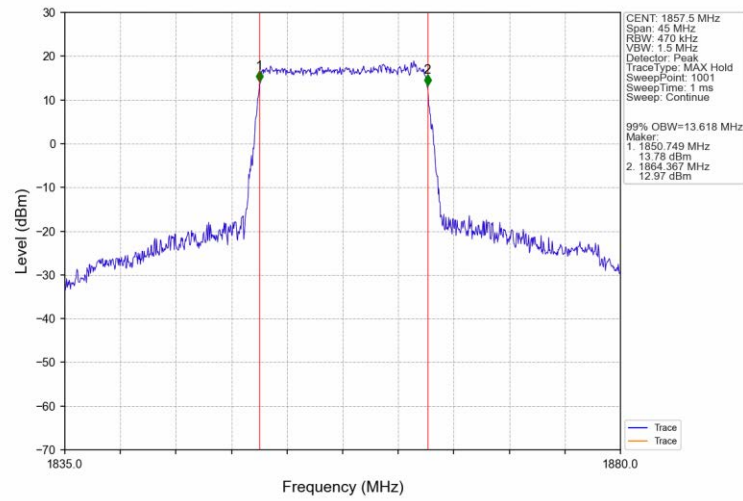
Band2\_10MHz\_16QAM\_MCH\_1880MHz\_RB\_50\_0\_NTNV



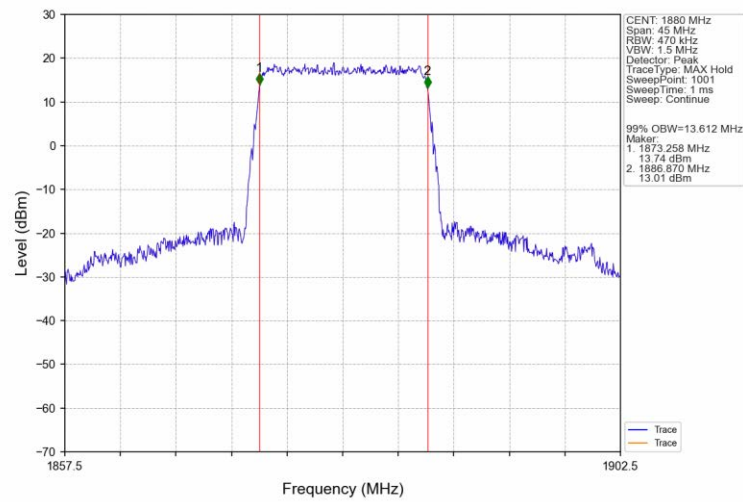
Band2\_10MHz\_16QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV



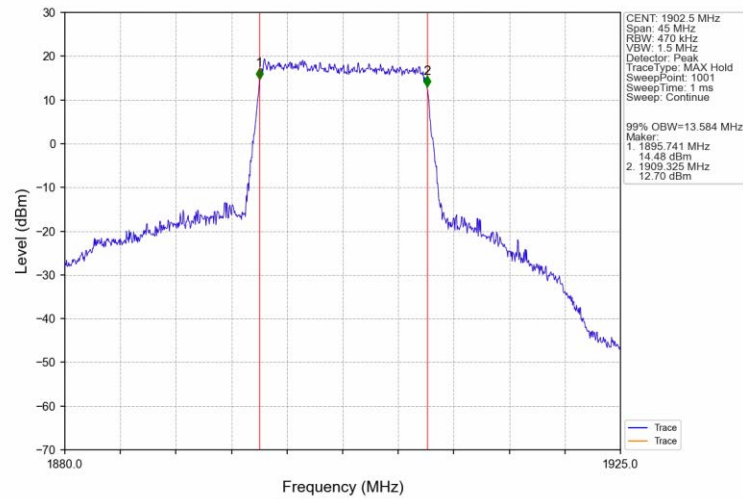
Band2\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



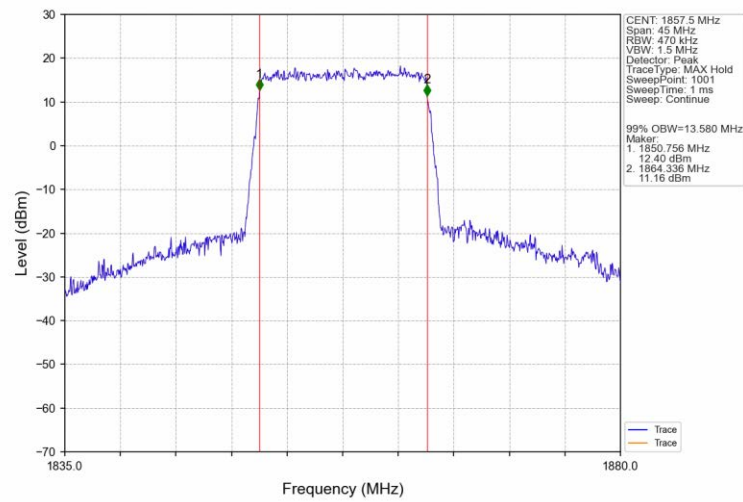
Band2\_15MHz\_QPSK\_MCH\_1880MHz\_RB\_75\_0\_NTNV



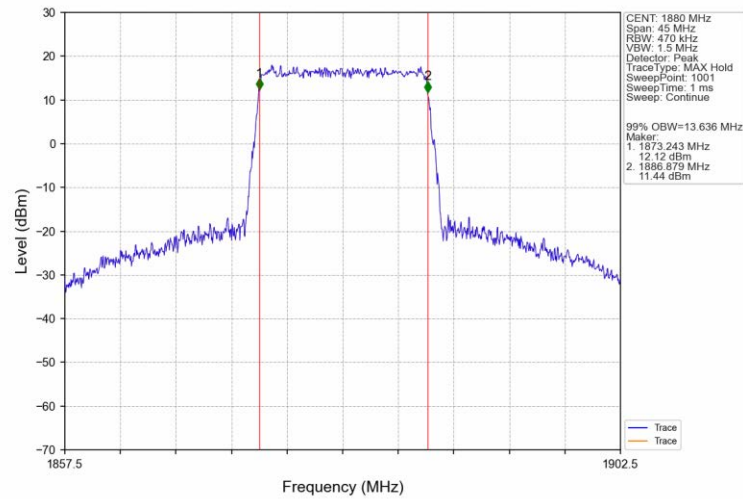
Band2\_15MHz\_QPSK\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



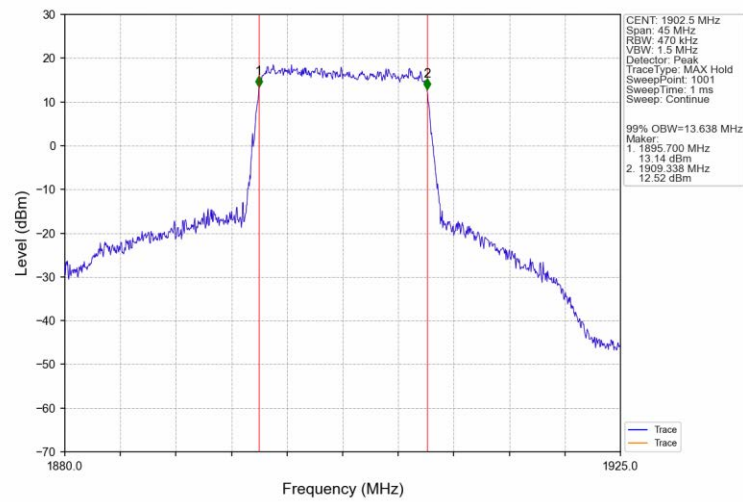
Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



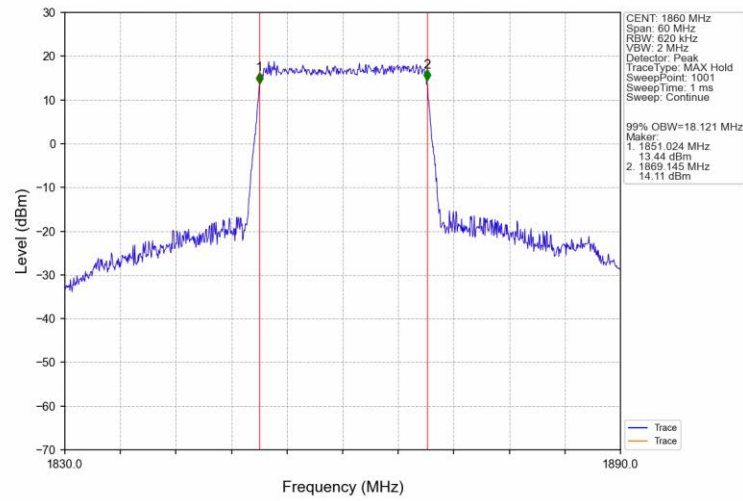
Band2\_15MHz\_16QAM\_MCH\_1880MHz\_RB\_75\_0\_NTNV



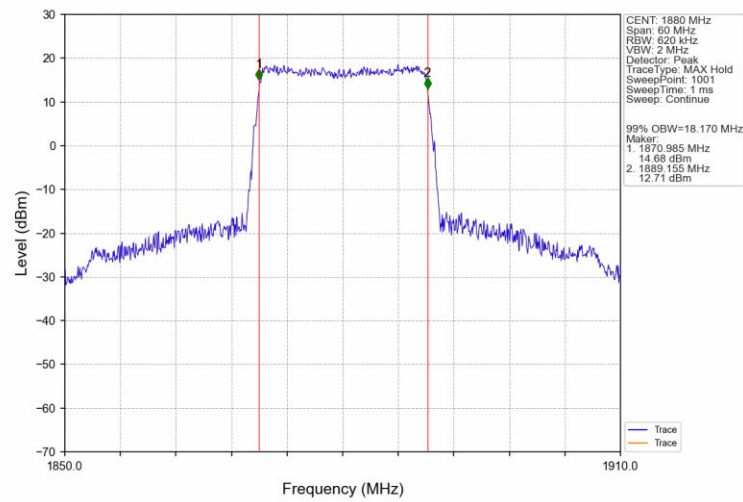
Band2\_15MHz\_16QAM\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



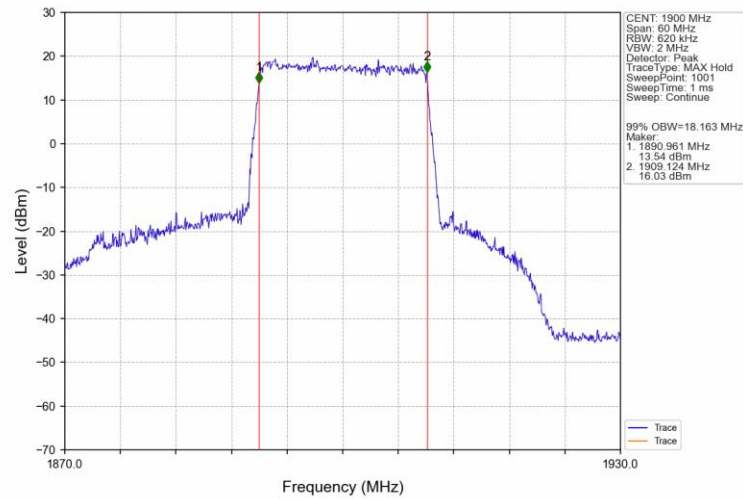
Band2\_20MHz\_QPSK\_LCH\_1860MHz\_RB\_100\_0\_NTNV



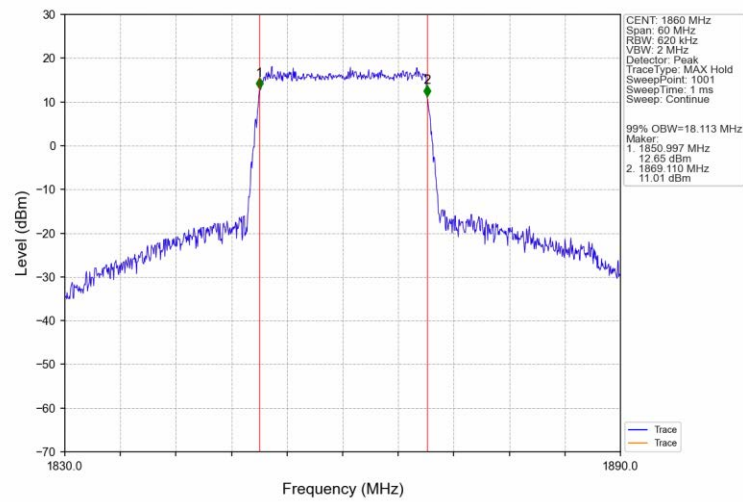
Band2\_20MHz\_QPSK\_MCH\_1880MHz\_RB\_100\_0\_NTNV



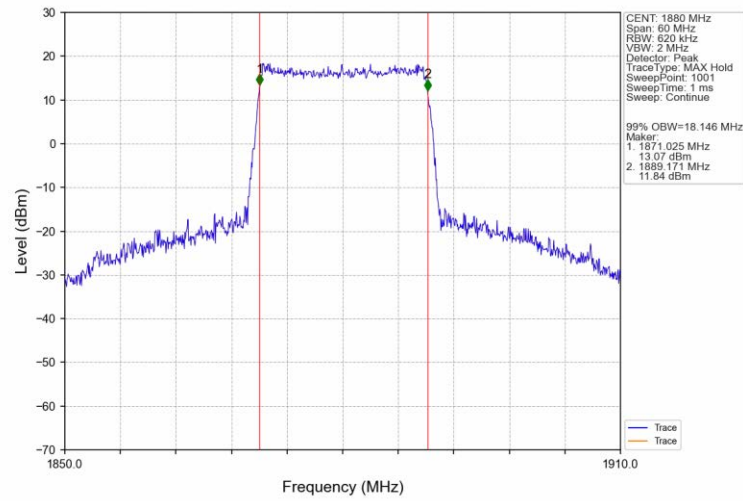
Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



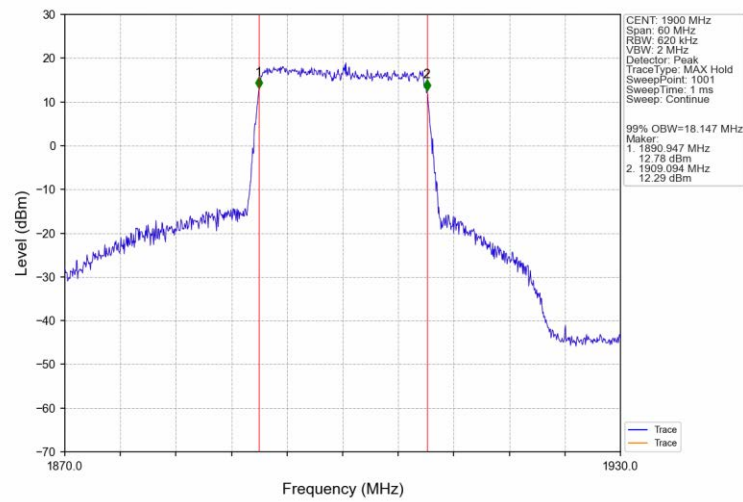
Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV



Band2\_20MHz\_16QAM\_MCH\_1880MHz\_RB\_100\_0\_NTNV

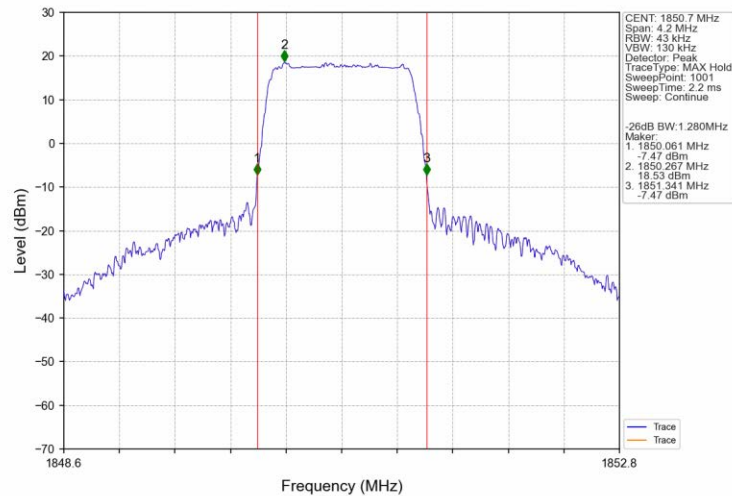


Band2\_20MHz\_16QAM\_HCH\_1900MHz\_RB\_100\_0\_NTNV

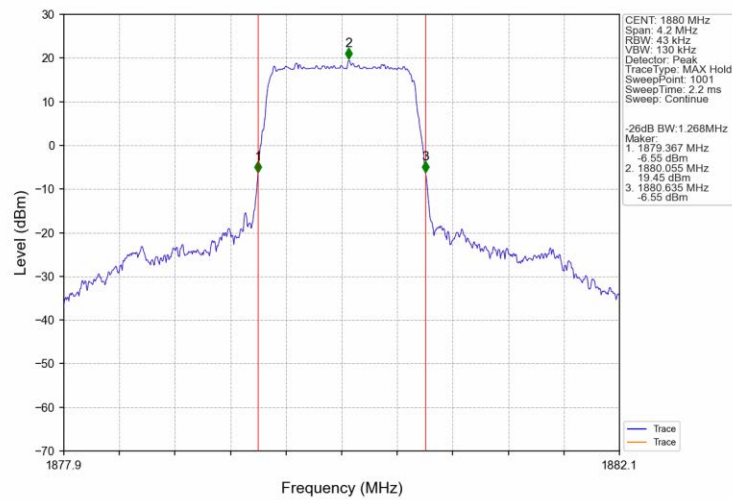


## 4.2.2 Band2\_XDB

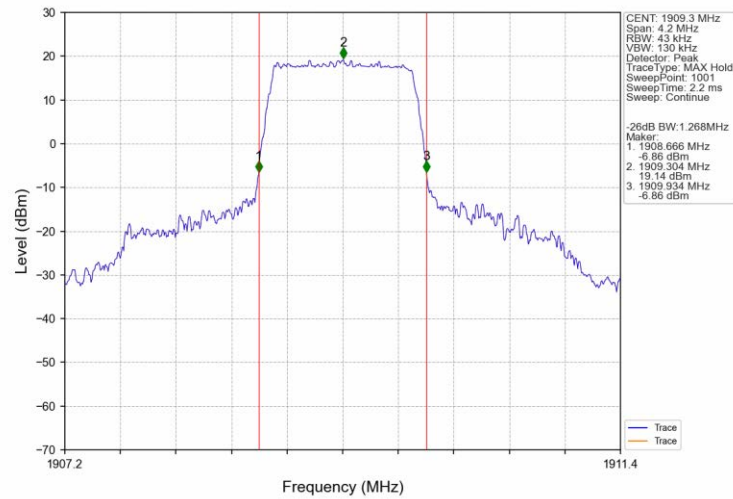
Band2 1.4MHz QPSK LCH 1850.7MHz RB 6 0 NTV



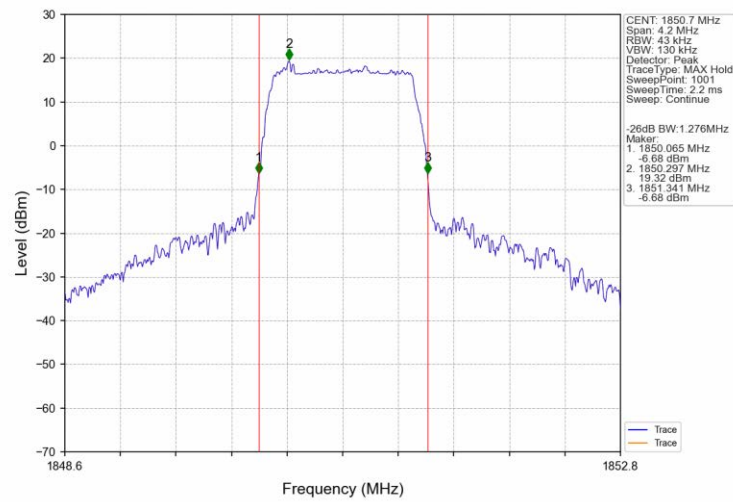
Band2 1.4MHz QPSK MCH 1880MHz RB 6 0 NTV



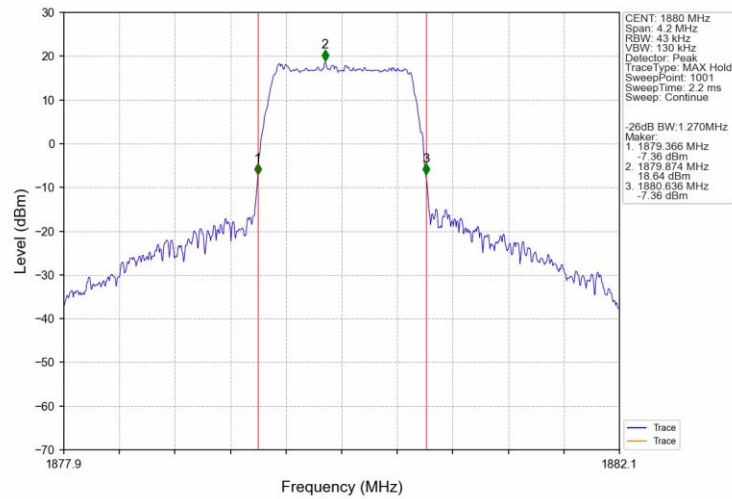
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



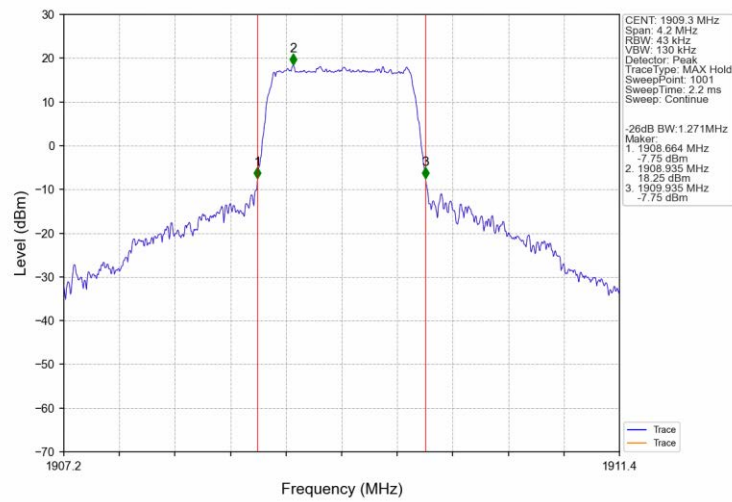
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



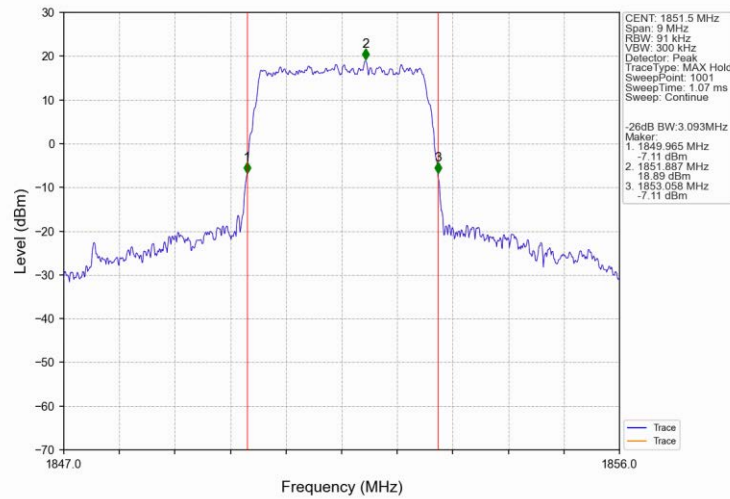
Band2 1.4MHz 16QAM MCH 1880MHz RB 6 0 NTNV



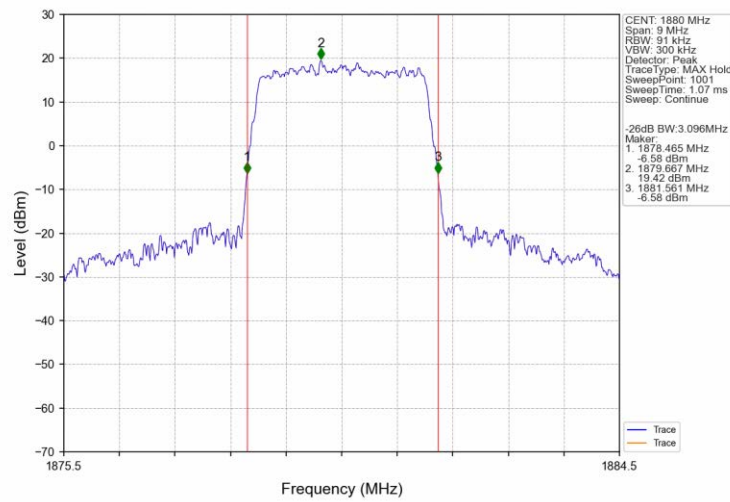
Band2 1.4MHz 16QAM HCH 1909.3MHz RB 6 0 NTNV



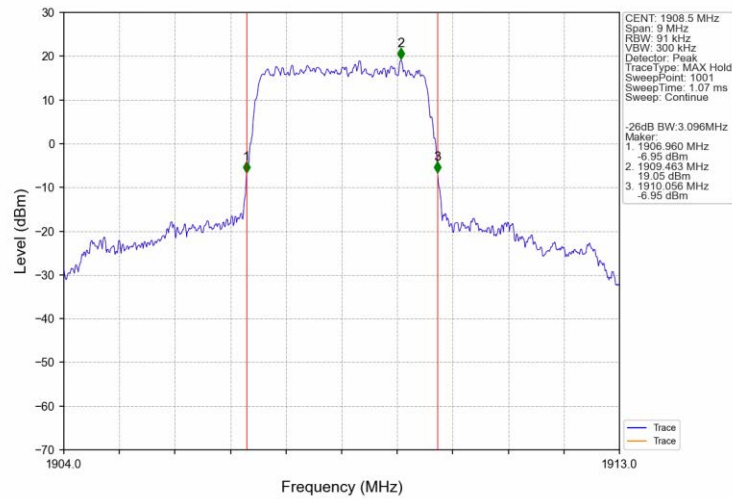
Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



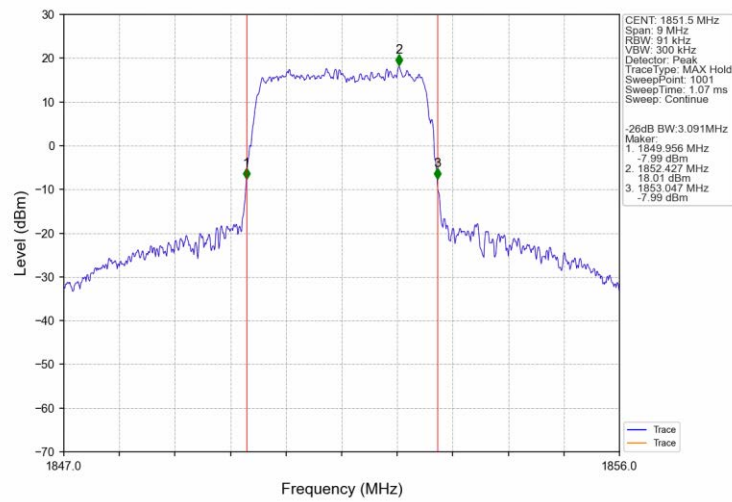
Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_15\_0\_NTNV



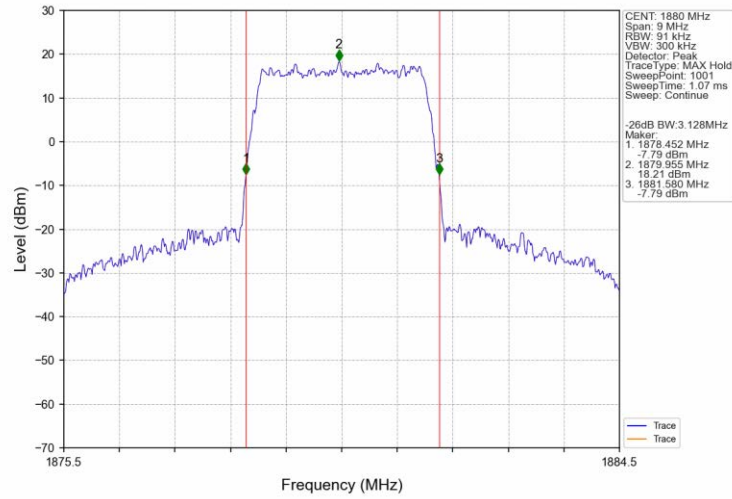
Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



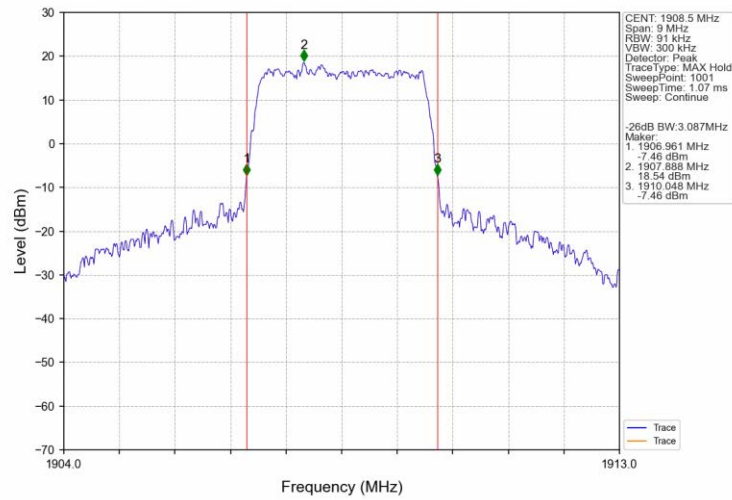
Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



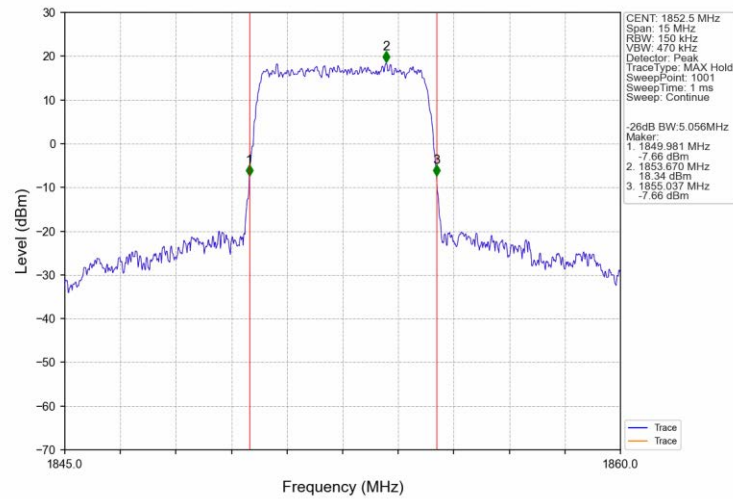
Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_15\_0\_NTNV



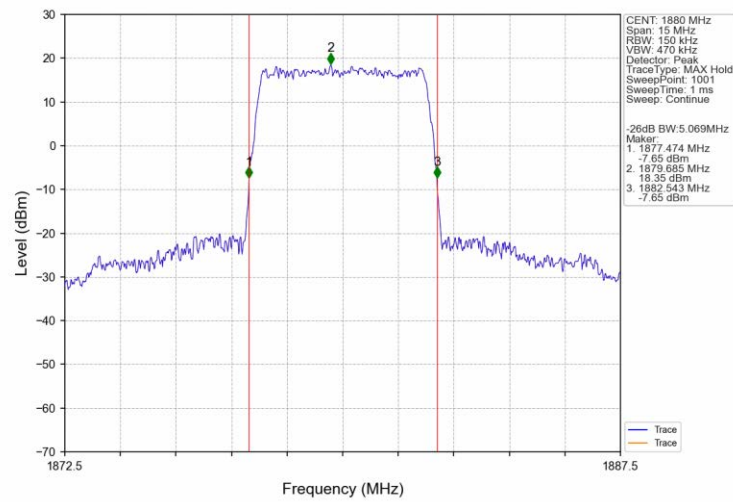
Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



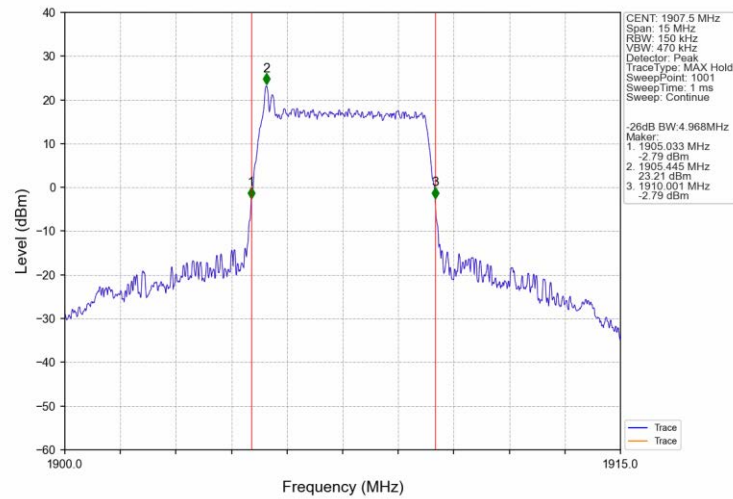
Band2\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



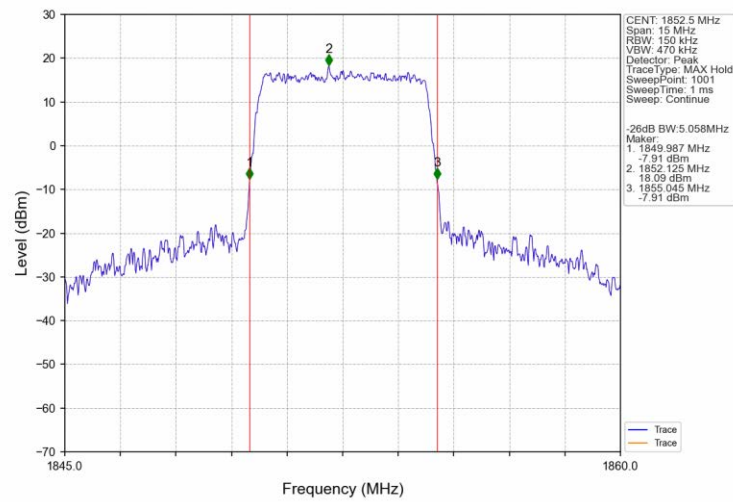
Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_25\_0\_NTNV



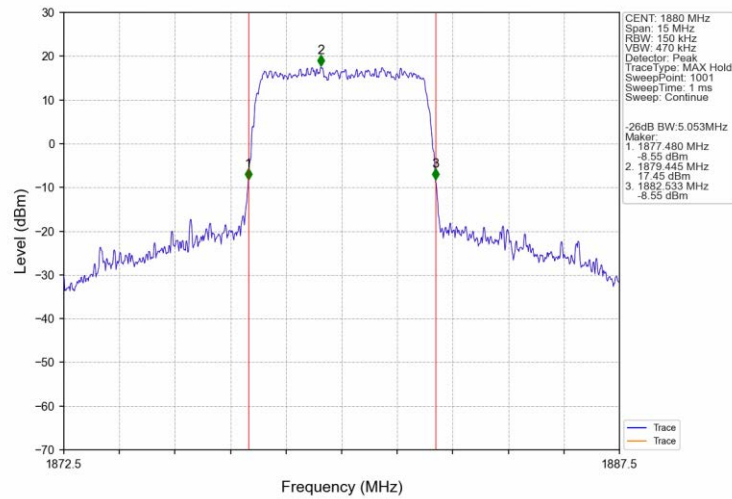
Band2\_5MHz\_QPSK\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



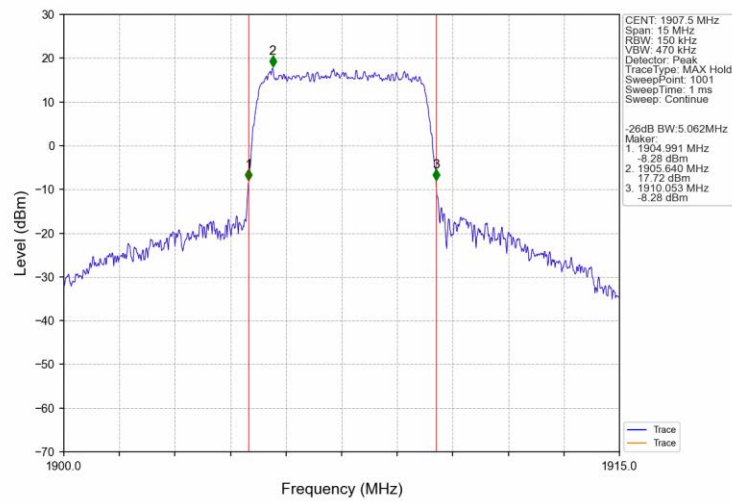
Band2\_5MHz\_16QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



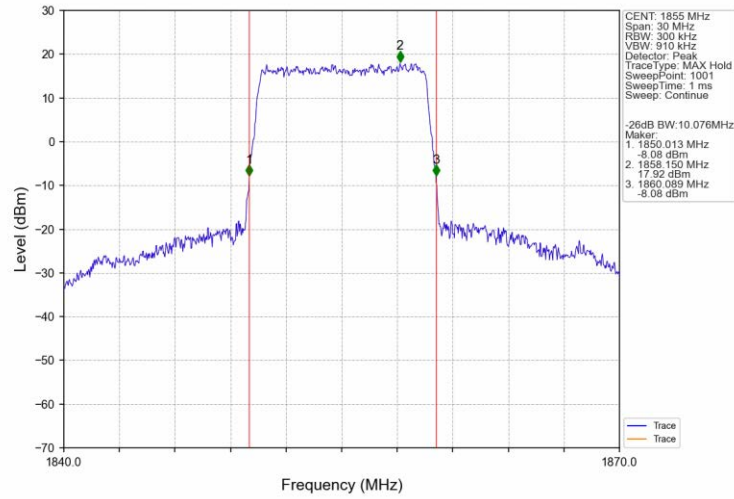
Band2\_5MHz\_16QAM\_MCH\_1880MHz\_RB\_25\_0\_NTNV



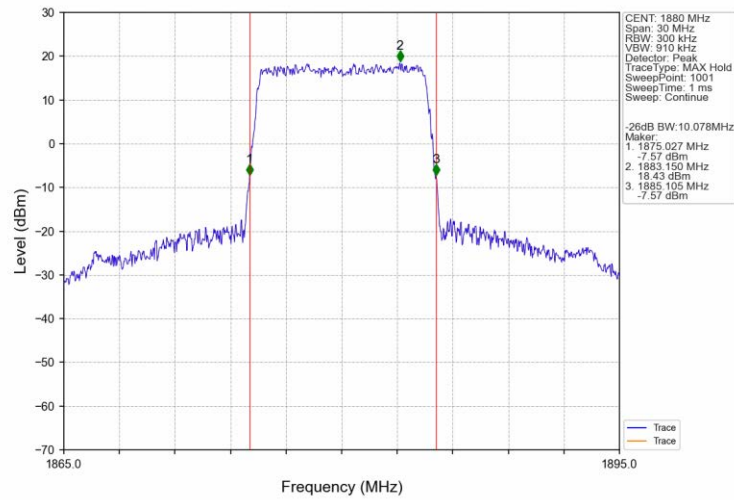
Band2\_5MHz\_16QAM\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



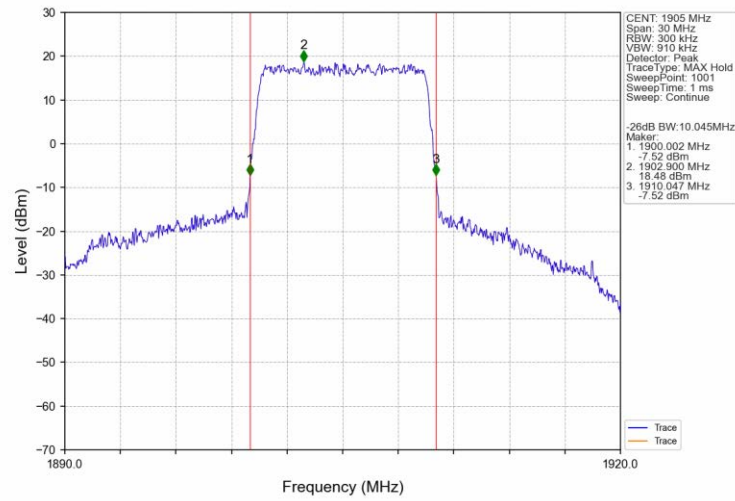
Band2\_10MHz\_QPSK\_LCH\_1855MHz\_RB\_50\_0\_NTNV



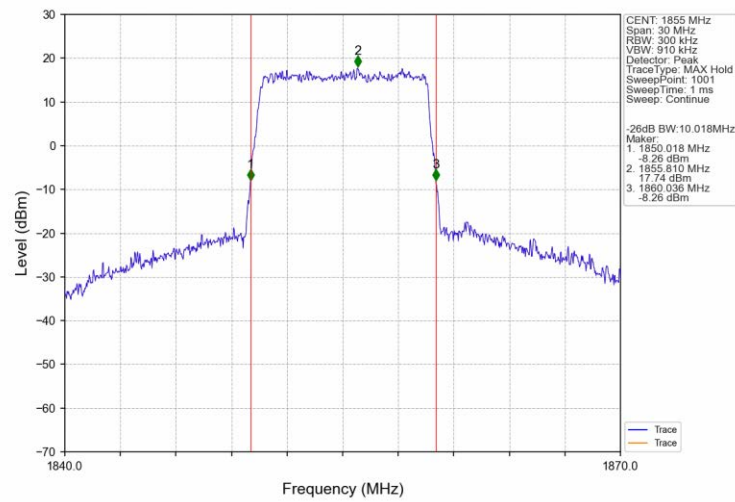
Band2\_10MHz\_QPSK\_MCH\_1880MHz\_RB\_50\_0\_NTNV



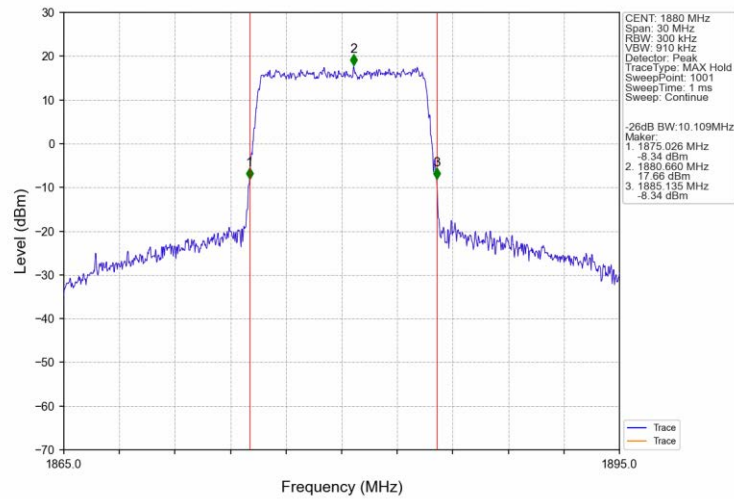
Band2\_10MHz\_QPSK\_HCH\_1905MHz\_RB\_50\_0\_NTNV



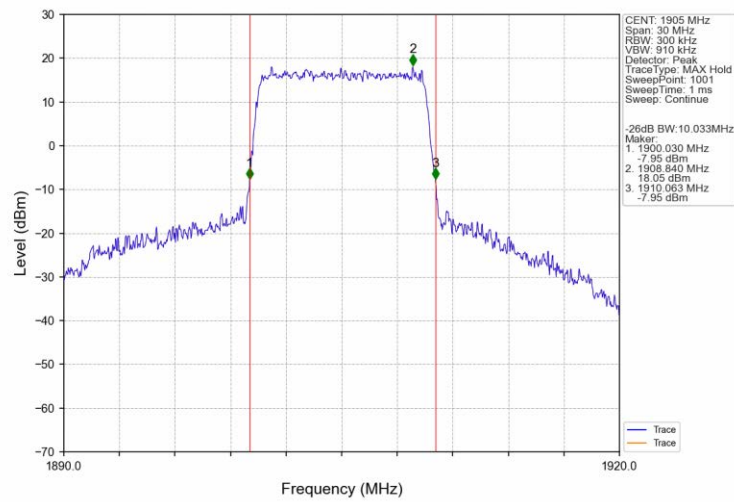
Band2\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV



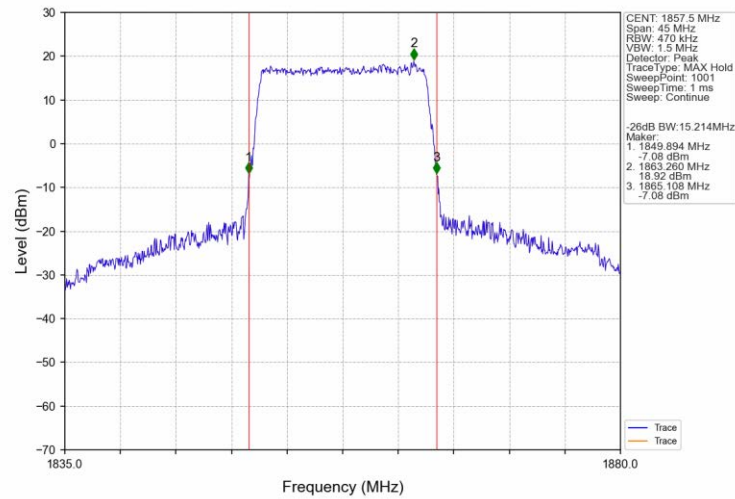
Band2\_10MHz\_16QAM\_MCH\_1880MHz\_RB\_50\_0\_NTNV



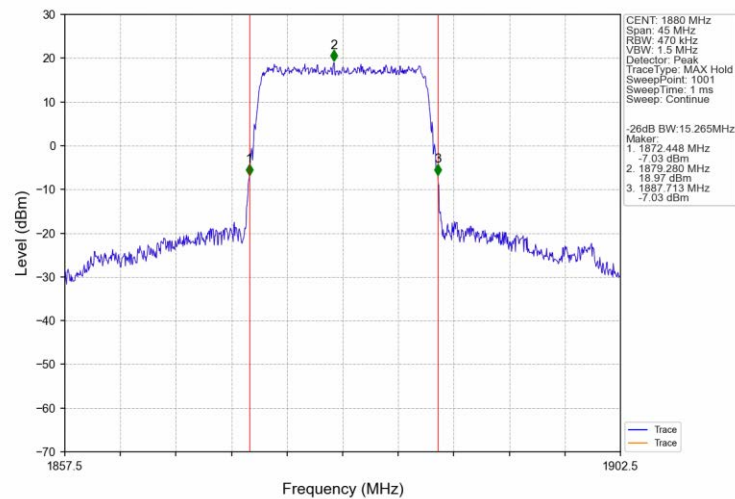
Band2\_10MHz\_16QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV



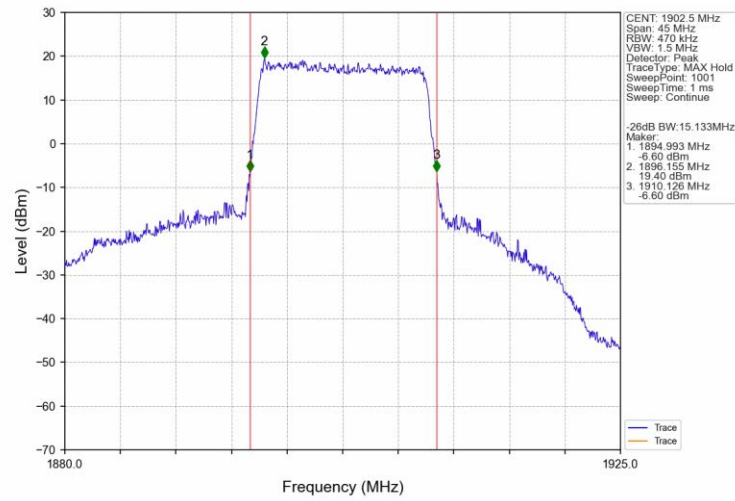
Band2\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



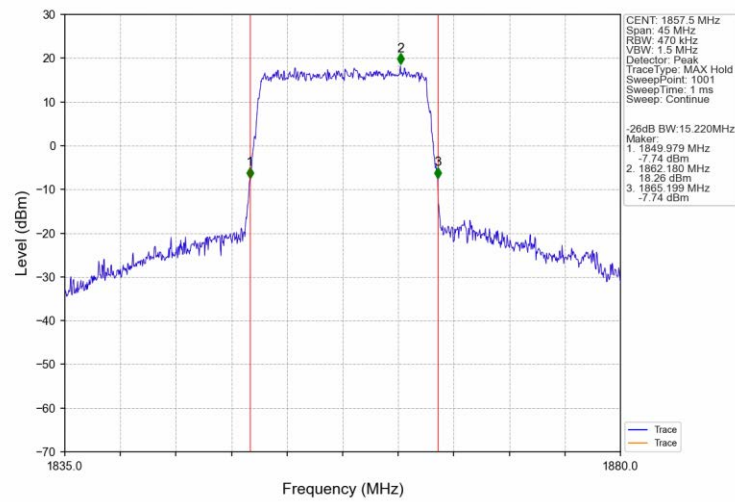
Band2\_15MHz\_QPSK\_MCH\_1880MHz\_RB\_75\_0\_NTNV



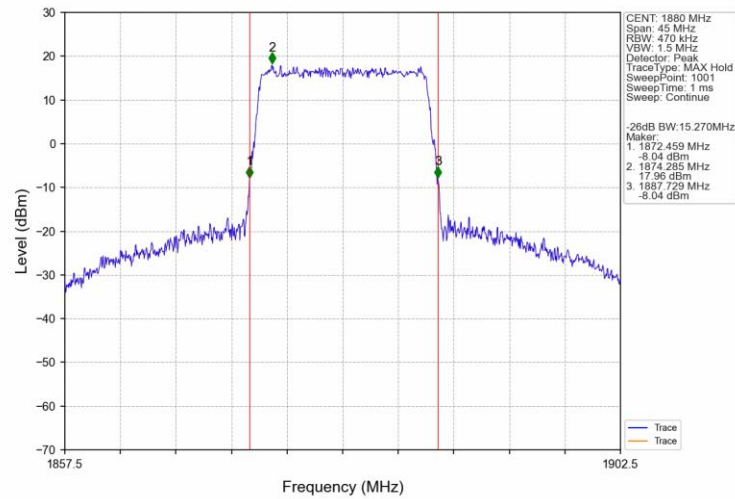
Band2\_15MHz\_QPSK\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



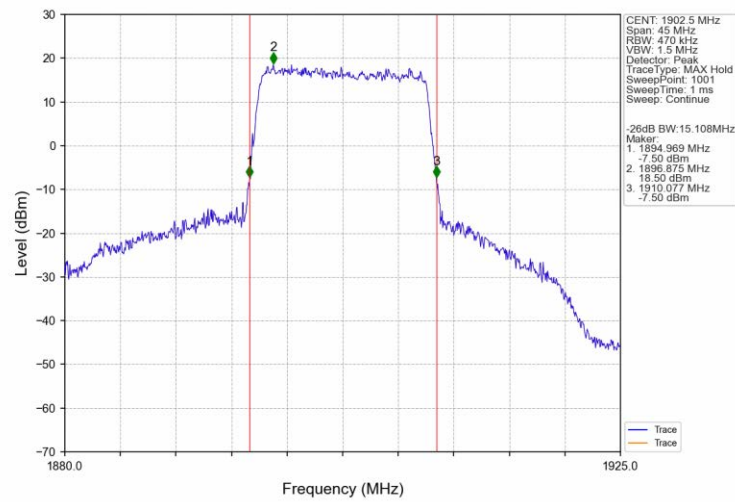
Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



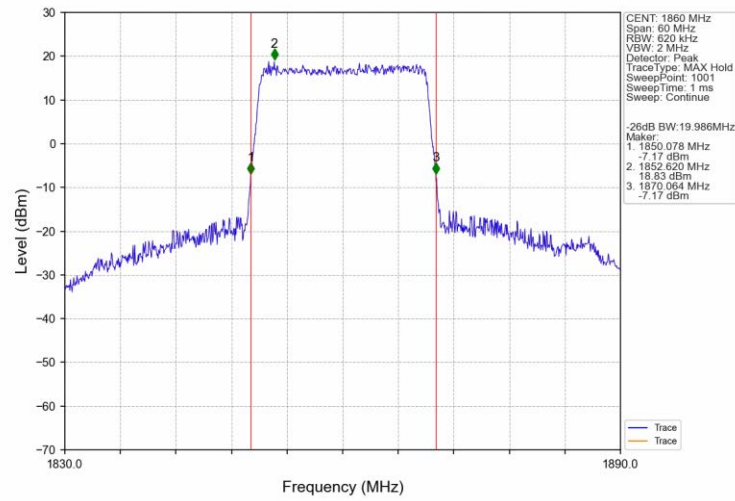
Band2\_15MHz\_16QAM\_MCH\_1880MHz\_RB\_75\_0\_NTNV



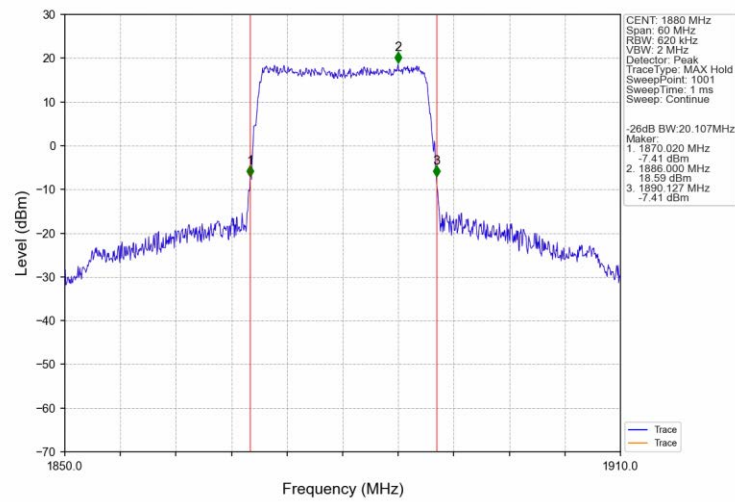
Band2\_15MHz\_16QAM\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



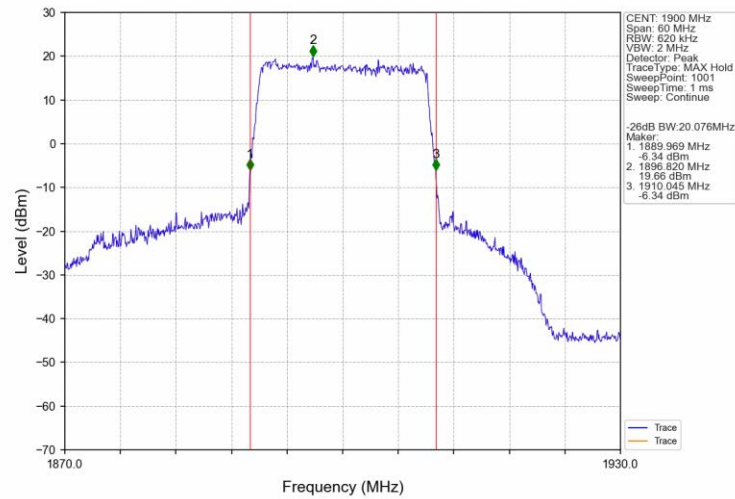
### Band2\_20MHz\_QPSK\_LCH\_1860MHz\_RB\_100\_0\_NTNV



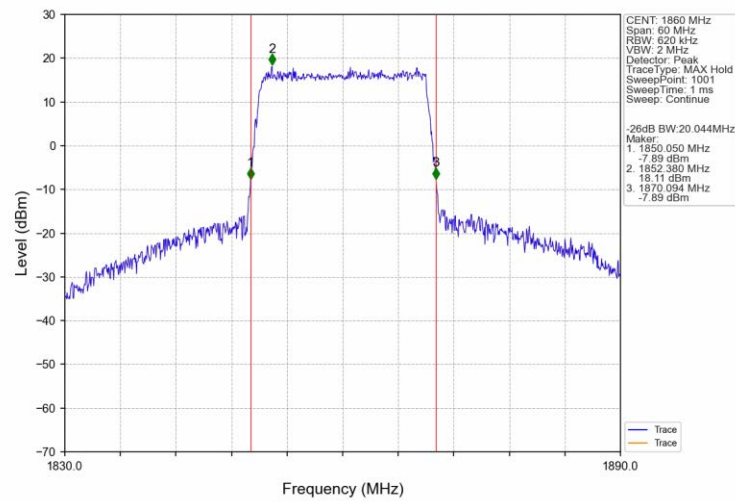
### Band2\_20MHz\_QPSK\_MCH\_1880MHz\_RB\_100\_0\_NTNV



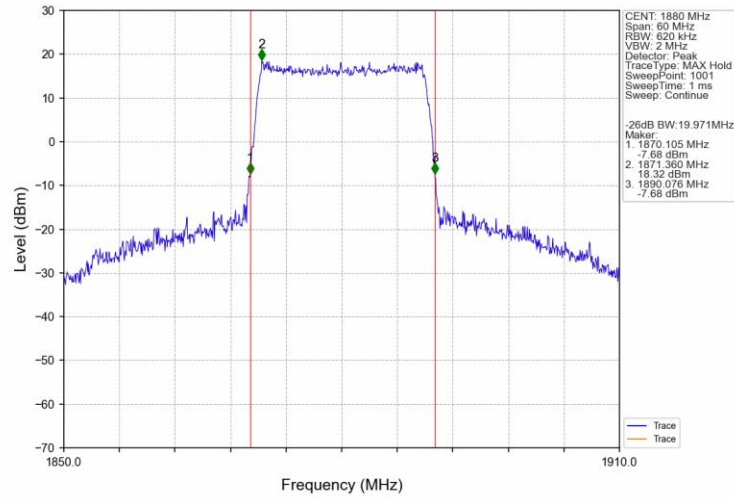
Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



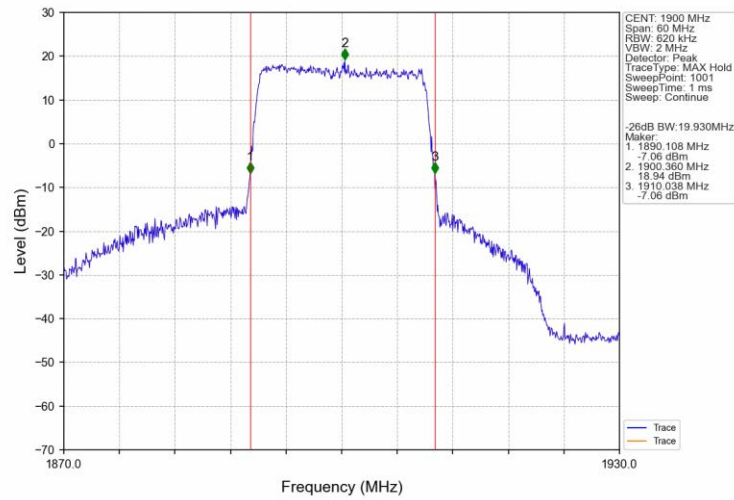
Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV



Band2\_20MHz\_16QAM\_MCH\_1880MHz\_RB\_100\_0\_NTNV



Band2\_20MHz\_16QAM\_HCH\_1900MHz\_RB\_100\_0\_NTNV



## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 B2\_1.4MHz

| Band: 2 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 1850.7          | 6             | 0      | 5.08                    | <=13  | Pass    |
|                                    | 1880            | 6             | 0      | 5.03                    | <=13  | Pass    |
|                                    | 1909.3          | 6             | 0      | 4.48                    | <=13  | Pass    |
| 16QAM                              | 1850.7          | 6             | 0      | 5.82                    | <=13  | Pass    |
|                                    | 1880            | 6             | 0      | 5.86                    | <=13  | Pass    |
|                                    | 1909.3          | 6             | 0      | 5.24                    | <=13  | Pass    |

#### 5.1.2 B2\_3MHz

| Band: 2 / Bandwidth: 3MHz / NTNV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 1851.5          | 15            | 0      | 5.26                    | <=13  | Pass    |
|                                  | 1880            | 15            | 0      | 5.21                    | <=13  | Pass    |
|                                  | 1908.5          | 15            | 0      | 4.82                    | <=13  | Pass    |
| 16QAM                            | 1851.5          | 15            | 0      | 6.00                    | <=13  | Pass    |
|                                  | 1880            | 15            | 0      | 6.00                    | <=13  | Pass    |
|                                  | 1908.5          | 15            | 0      | 5.61                    | <=13  | Pass    |

#### 5.1.3 B2\_5MHz

| Band: 2 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 1852.5          | 25            | 0      | 5.39                    | <=13  | Pass    |
|                                  | 1880            | 25            | 0      | 5.41                    | <=13  | Pass    |
|                                  | 1907.5          | 25            | 0      | 5.19                    | <=13  | Pass    |
| 16QAM                            | 1852.5          | 25            | 0      | 6.06                    | <=13  | Pass    |
|                                  | 1880            | 25            | 0      | 6.12                    | <=13  | Pass    |
|                                  | 1907.5          | 25            | 0      | 5.92                    | <=13  | Pass    |

#### 5.1.4 B2\_10MHz

| Band: 2 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 1855            | 50            | 0      | 5.42                    | <=13  | Pass    |
|                                   | 1880            | 50            | 0      | 5.44                    | <=13  | Pass    |
|                                   | 1905            | 50            | 0      | 5.21                    | <=13  | Pass    |
| 16QAM                             | 1855            | 50            | 0      | 6.11                    | <=13  | Pass    |
|                                   | 1880            | 50            | 0      | 6.17                    | <=13  | Pass    |
|                                   | 1905            | 50            | 0      | 5.96                    | <=13  | Pass    |

### 5.1.5 B2\_15MHz

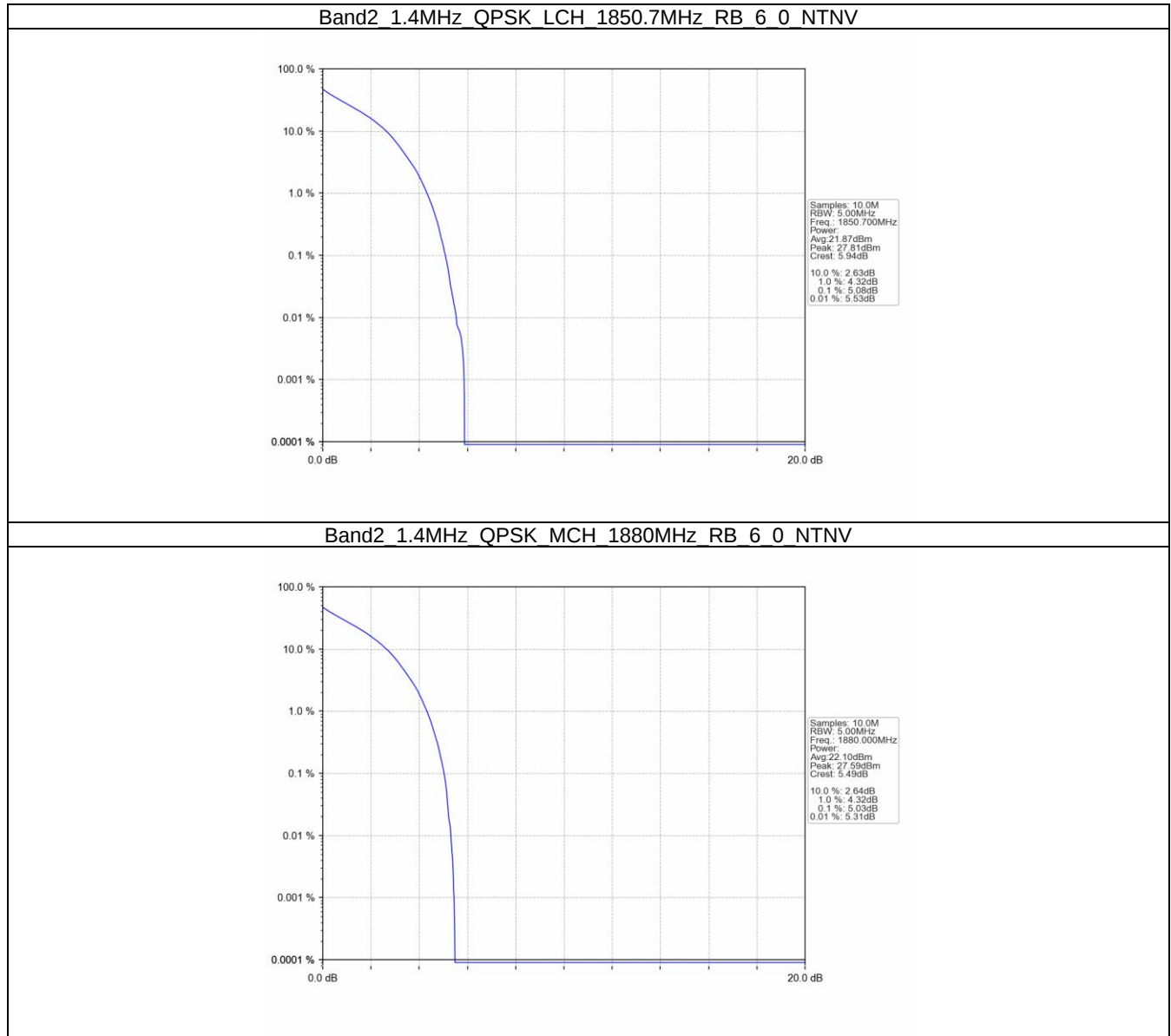
| Band: 2 / Bandwidth: 15MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 1857.5          | 75            | 0      | 5.16                    | <=13  | Pass    |
|                                   | 1880            | 75            | 0      | 5.15                    | <=13  | Pass    |
|                                   | 1902.5          | 75            | 0      | 5.13                    | <=13  | Pass    |
| 16QAM                             | 1857.5          | 75            | 0      | 6.09                    | <=13  | Pass    |
|                                   | 1880            | 75            | 0      | 6.14                    | <=13  | Pass    |
|                                   | 1902.5          | 75            | 0      | 6.07                    | <=13  | Pass    |

### 5.1.6 B2\_20MHz

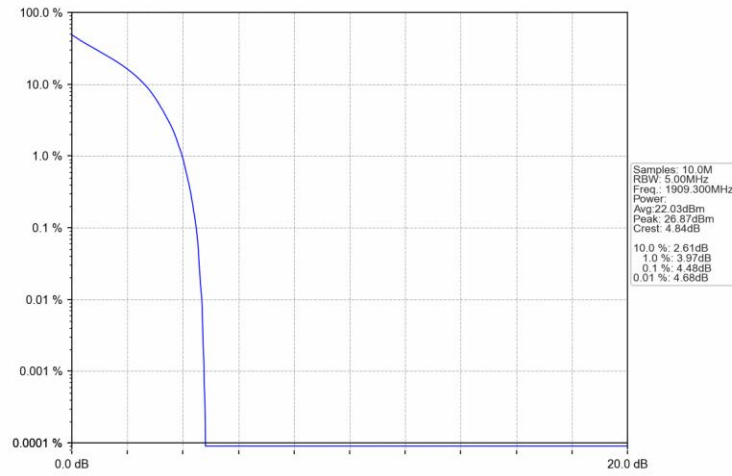
| Band: 2 / Bandwidth: 20MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 1860            | 100           | 0      | 5.61                    | <=13  | Pass    |
|                                   | 1880            | 100           | 0      | 5.72                    | <=13  | Pass    |
|                                   | 1900            | 100           | 0      | 5.70                    | <=13  | Pass    |
| 16QAM                             | 1860            | 100           | 0      | 6.61                    | <=13  | Pass    |
|                                   | 1880            | 100           | 0      | 6.63                    | <=13  | Pass    |
|                                   | 1900            | 100           | 0      | 6.59                    | <=13  | Pass    |

## 5.2 Test Graph

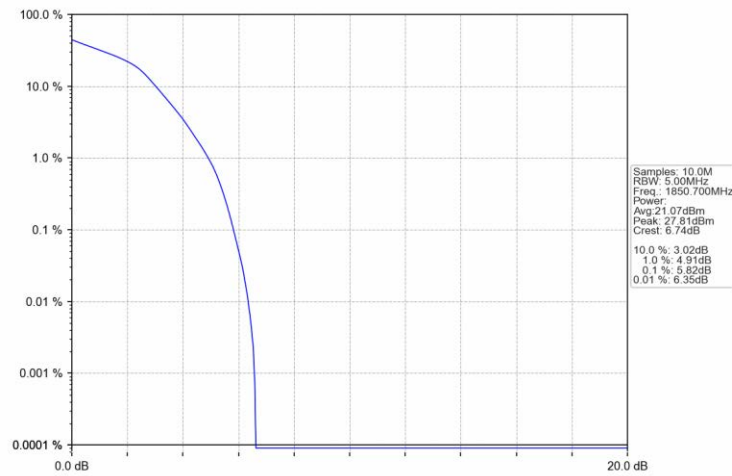
### 5.2.1 B2\_1.4MHz



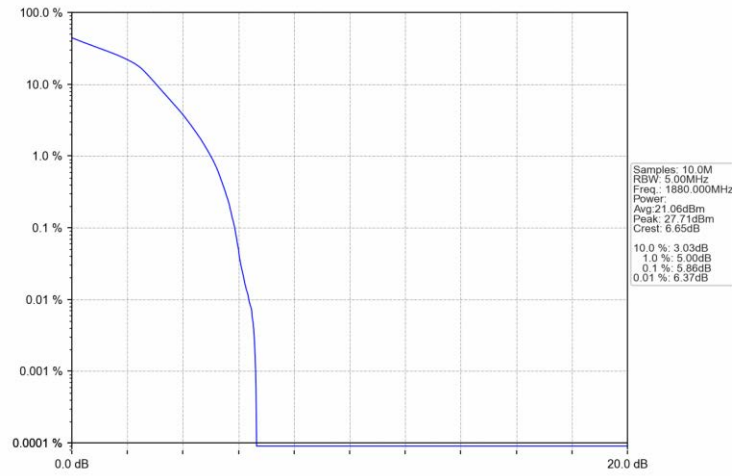
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



Band2 1.4MHz 16QAM MCH 1880MHz RB 6 0 NTNV



Band2 1.4MHz 16QAM HCH 1909.3MHz RB 6 0 NTNV

