

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

### 1.1 Test Result

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

| Band: 2 / Bandwidth: 1.4MHz / NTV        |                 |               |        |                       |            |            |         |         |      |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |      |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit   |         |      |
| QPSK                                     | 1850.7          | 1             | 0      | 21.47                 | 0.92       | 22.39      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 21.50                 | 0.92       | 22.42      | <=33.01 | Pass    |      |
|                                          |                 |               | 5      | 21.52                 | 0.92       | 22.44      | <=33.01 | Pass    |      |
|                                          |                 | 3             | 0      | 21.42                 | 0.92       | 22.34      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 21.37                 | 0.92       | 22.29      | <=33.01 | Pass    |      |
|                                          |                 |               | 3      | 21.40                 | 0.92       | 22.32      | <=33.01 | Pass    |      |
|                                          |                 | 6             | 0      | 20.45                 | 0.92       | 21.37      | <=33.01 | Pass    |      |
|                                          |                 | 1880          | 1      | 0                     | 21.23      | 0.92       | 22.15   | <=33.01 | Pass |
|                                          |                 |               |        | 2                     | 21.24      | 0.92       | 22.16   | <=33.01 | Pass |
|                                          | 5               |               |        | 21.17                 | 0.92       | 22.09      | <=33.01 | Pass    |      |
|                                          | 3               |               | 0      | 21.20                 | 0.92       | 22.12      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 21.25                 | 0.92       | 22.17      | <=33.01 | Pass    |      |
|                                          |                 |               | 3      | 21.18                 | 0.92       | 22.10      | <=33.01 | Pass    |      |
|                                          | 1909.3          | 1             | 0      | 21.17                 | 0.92       | 22.09      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 21.29                 | 0.92       | 22.21      | <=33.01 | Pass    |      |
|                                          |                 |               | 5      | 21.21                 | 0.92       | 22.13      | <=33.01 | Pass    |      |
|                                          |                 | 3             | 0      | 21.18                 | 0.92       | 22.10      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 21.24                 | 0.92       | 22.16      | <=33.01 | Pass    |      |
|                                          |                 |               | 3      | 21.20                 | 0.92       | 22.12      | <=33.01 | Pass    |      |
|                                          |                 | 6             | 0      | 20.29                 | 0.92       | 21.21      | <=33.01 | Pass    |      |
| 16QAM                                    |                 | 1850.7        | 1      | 0                     | 21.13      | 0.92       | 22.05   | <=33.01 | Pass |
|                                          |                 |               |        | 2                     | 21.15      | 0.92       | 22.07   | <=33.01 | Pass |
|                                          | 5               |               |        | 21.23                 | 0.92       | 22.15      | <=33.01 | Pass    |      |
|                                          | 3               |               | 0      | 20.57                 | 0.92       | 21.49      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 20.58                 | 0.92       | 21.50      | <=33.01 | Pass    |      |
|                                          |                 |               | 3      | 20.63                 | 0.92       | 21.55      | <=33.01 | Pass    |      |
|                                          | 6               |               | 0      | 19.51                 | 0.92       | 20.43      | <=33.01 | Pass    |      |
|                                          | 1880            | 1             | 0      | 20.70                 | 0.92       | 21.62      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 20.77                 | 0.92       | 21.69      | <=33.01 | Pass    |      |
|                                          |                 |               | 5      | 20.71                 | 0.92       | 21.63      | <=33.01 | Pass    |      |
|                                          |                 | 3             | 0      | 20.10                 | 0.92       | 21.02      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 20.17                 | 0.92       | 21.09      | <=33.01 | Pass    |      |
|                                          |                 |               | 3      | 20.22                 | 0.92       | 21.14      | <=33.01 | Pass    |      |
|                                          | 6               | 0             | 19.21  | 0.92                  | 20.13      | <=33.01    | Pass    |         |      |
|                                          | 1909.3          | 1             | 0      | 20.28                 | 0.92       | 21.20      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 20.28                 | 0.92       | 21.20      | <=33.01 | Pass    |      |
|                                          |                 |               | 5      | 20.25                 | 0.92       | 21.17      | <=33.01 | Pass    |      |
|                                          |                 | 3             | 0      | 20.09                 | 0.92       | 21.01      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 20.06                 | 0.92       | 20.98      | <=33.01 | Pass    |      |
| 3                                        |                 |               | 20.02  | 0.92                  | 20.94      | <=33.01    | Pass    |         |      |
| 6                                        |                 | 0             | 19.77  | 0.92                  | 20.69      | <=33.01    | Pass    |         |      |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |         |         |      |

Note1: EIRP=Conducted Power+Antenna Gain

#### 1.1.2 B2\_3MHz\_EIRP

| Band: 2 / Bandwidth: 3MHz / NTNV |           |               |                 |      |            |         |
|----------------------------------|-----------|---------------|-----------------|------|------------|---------|
| Modulation                       | Frequency | RB Allocation | Conducted Power | Gain | EIRP (dBm) | Verdict |

|                                          | (MHz)  | Size   | Offset | (dBm) | (dBi) | Result  | Limit   |         |      |
|------------------------------------------|--------|--------|--------|-------|-------|---------|---------|---------|------|
| QPSK                                     | 1851.5 | 1      | 0      | 20.30 | 0.92  | 21.22   | <=33.01 | Pass    |      |
|                                          |        |        | 7      | 20.36 | 0.92  | 21.28   | <=33.01 | Pass    |      |
|                                          |        |        | 14     | 20.33 | 0.92  | 21.25   | <=33.01 | Pass    |      |
|                                          |        | 8      | 0      | 20.43 | 0.92  | 21.35   | <=33.01 | Pass    |      |
|                                          |        |        | 4      | 20.42 | 0.92  | 21.34   | <=33.01 | Pass    |      |
|                                          |        |        | 7      | 20.41 | 0.92  | 21.33   | <=33.01 | Pass    |      |
|                                          |        | 15     | 0      | 20.40 | 0.92  | 21.32   | <=33.01 | Pass    |      |
|                                          |        | 1880   | 1      | 0     | 20.09 | 0.92    | 21.01   | <=33.01 | Pass |
|                                          |        |        |        | 7     | 20.26 | 0.92    | 21.18   | <=33.01 | Pass |
|                                          | 14     |        |        | 20.24 | 0.92  | 21.16   | <=33.01 | Pass    |      |
|                                          | 8      |        | 0      | 20.23 | 0.92  | 21.15   | <=33.01 | Pass    |      |
|                                          |        |        | 4      | 20.23 | 0.92  | 21.15   | <=33.01 | Pass    |      |
|                                          |        |        | 7      | 20.22 | 0.92  | 21.14   | <=33.01 | Pass    |      |
|                                          | 15     | 0      | 20.21  | 0.92  | 21.13 | <=33.01 | Pass    |         |      |
|                                          | 1908.5 | 1      | 0      | 20.18 | 0.92  | 21.10   | <=33.01 | Pass    |      |
|                                          |        |        | 7      | 20.29 | 0.92  | 21.21   | <=33.01 | Pass    |      |
|                                          |        |        | 14     | 20.29 | 0.92  | 21.21   | <=33.01 | Pass    |      |
|                                          |        | 8      | 0      | 20.28 | 0.92  | 21.20   | <=33.01 | Pass    |      |
|                                          |        |        | 4      | 20.28 | 0.92  | 21.20   | <=33.01 | Pass    |      |
|                                          |        |        | 7      | 20.28 | 0.92  | 21.20   | <=33.01 | Pass    |      |
|                                          |        | 15     | 0      | 20.28 | 0.92  | 21.20   | <=33.01 | Pass    |      |
| 16QAM                                    |        | 1851.5 | 1      | 0     | 20.39 | 0.92    | 21.31   | <=33.01 | Pass |
|                                          |        |        |        | 7     | 20.38 | 0.92    | 21.30   | <=33.01 | Pass |
|                                          | 14     |        |        | 20.38 | 0.92  | 21.30   | <=33.01 | Pass    |      |
|                                          | 8      |        | 0      | 20.37 | 0.92  | 21.29   | <=33.01 | Pass    |      |
|                                          |        |        | 4      | 20.37 | 0.92  | 21.29   | <=33.01 | Pass    |      |
|                                          |        |        | 7      | 20.37 | 0.92  | 21.29   | <=33.01 | Pass    |      |
|                                          | 15     |        | 0      | 20.36 | 0.92  | 21.28   | <=33.01 | Pass    |      |
|                                          | 1880   |        | 1      | 0     | 20.21 | 0.92    | 21.13   | <=33.01 | Pass |
|                                          |        |        |        | 7     | 20.20 | 0.92    | 21.12   | <=33.01 | Pass |
|                                          |        | 14     |        | 20.20 | 0.92  | 21.12   | <=33.01 | Pass    |      |
|                                          |        | 8      | 0      | 20.20 | 0.92  | 21.12   | <=33.01 | Pass    |      |
|                                          |        |        | 4      | 20.19 | 0.92  | 21.11   | <=33.01 | Pass    |      |
|                                          |        |        | 7      | 20.18 | 0.92  | 21.10   | <=33.01 | Pass    |      |
|                                          | 15     | 0      | 20.18  | 0.92  | 21.10 | <=33.01 | Pass    |         |      |
|                                          | 1908.5 | 1      | 0      | 20.27 | 0.92  | 21.19   | <=33.01 | Pass    |      |
|                                          |        |        | 7      | 20.28 | 0.92  | 21.20   | <=33.01 | Pass    |      |
|                                          |        |        | 14     | 20.27 | 0.92  | 21.19   | <=33.01 | Pass    |      |
|                                          |        | 8      | 0      | 20.27 | 0.92  | 21.19   | <=33.01 | Pass    |      |
|                                          |        |        | 4      | 20.26 | 0.92  | 21.18   | <=33.01 | Pass    |      |
|                                          |        |        | 7      | 20.26 | 0.92  | 21.18   | <=33.01 | Pass    |      |
|                                          |        | 15     | 0      | 20.26 | 0.92  | 21.18   | <=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      | 21.43                 | 0.92       | 22.35      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.27                 | 0.92       | 22.19      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.24                 | 0.92       | 22.16      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.48                 | 0.92       | 21.40      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.32                 | 0.92       | 21.24      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.32                 | 0.92       | 21.24      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.28                 | 0.92       | 21.20      | <=33.01 | Pass    |

|       |        |    |    |       |      |       |         |      |
|-------|--------|----|----|-------|------|-------|---------|------|
|       | 1880   | 1  | 0  | 21.27 | 0.92 | 22.19 | <=33.01 | Pass |
|       |        |    | 13 | 21.17 | 0.92 | 22.09 | <=33.01 | Pass |
|       |        |    | 24 | 21.19 | 0.92 | 22.11 | <=33.01 | Pass |
|       |        | 12 | 0  | 20.27 | 0.92 | 21.19 | <=33.01 | Pass |
|       |        |    | 6  | 20.38 | 0.92 | 21.30 | <=33.01 | Pass |
|       |        |    | 13 | 20.34 | 0.92 | 21.26 | <=33.01 | Pass |
|       |        | 25 | 0  | 20.28 | 0.92 | 21.20 | <=33.01 | Pass |
|       | 1907.5 | 1  | 0  | 21.28 | 0.92 | 22.20 | <=33.01 | Pass |
|       |        |    | 13 | 21.25 | 0.92 | 22.17 | <=33.01 | Pass |
|       |        |    | 24 | 21.29 | 0.92 | 22.21 | <=33.01 | Pass |
|       |        | 12 | 0  | 20.41 | 0.92 | 21.33 | <=33.01 | Pass |
|       |        |    | 6  | 20.43 | 0.92 | 21.35 | <=33.01 | Pass |
|       |        |    | 13 | 20.24 | 0.92 | 21.16 | <=33.01 | Pass |
|       |        | 25 | 0  | 20.34 | 0.92 | 21.26 | <=33.01 | Pass |
| 16QAM | 1852.5 | 1  | 0  | 19.98 | 0.92 | 20.90 | <=33.01 | Pass |
|       |        |    | 13 | 19.90 | 0.92 | 20.82 | <=33.01 | Pass |
|       |        |    | 24 | 19.93 | 0.92 | 20.85 | <=33.01 | Pass |
|       |        | 12 | 0  | 19.56 | 0.92 | 20.48 | <=33.01 | Pass |
|       |        |    | 6  | 19.35 | 0.92 | 20.27 | <=33.01 | Pass |
|       |        |    | 13 | 19.35 | 0.92 | 20.27 | <=33.01 | Pass |
|       |        | 25 | 0  | 19.42 | 0.92 | 20.34 | <=33.01 | Pass |
|       | 1880   | 1  | 0  | 20.85 | 0.92 | 21.77 | <=33.01 | Pass |
|       |        |    | 13 | 20.86 | 0.92 | 21.78 | <=33.01 | Pass |
|       |        |    | 24 | 20.78 | 0.92 | 21.70 | <=33.01 | Pass |
|       |        | 12 | 0  | 19.38 | 0.92 | 20.30 | <=33.01 | Pass |
|       |        |    | 6  | 19.37 | 0.92 | 20.29 | <=33.01 | Pass |
|       |        |    | 13 | 19.71 | 0.92 | 20.63 | <=33.01 | Pass |
|       |        | 25 | 0  | 19.43 | 0.92 | 20.35 | <=33.01 | Pass |
|       | 1907.5 | 1  | 0  | 20.77 | 0.92 | 21.69 | <=33.01 | Pass |
|       |        |    | 13 | 20.84 | 0.92 | 21.76 | <=33.01 | Pass |
|       |        |    | 24 | 20.72 | 0.92 | 21.64 | <=33.01 | Pass |
|       |        | 12 | 0  | 19.35 | 0.92 | 20.27 | <=33.01 | Pass |
|       |        |    | 6  | 19.33 | 0.92 | 20.25 | <=33.01 | Pass |
|       |        |    | 13 | 19.69 | 0.92 | 20.61 | <=33.01 | Pass |
|       |        | 25 | 0  | 19.37 | 0.92 | 20.29 | <=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      | 20.33                 | 0.92       | 21.25      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.39                 | 0.92       | 21.31      | <=33.01 | Pass    |
|                                   |                 |               | 49     | 20.36                 | 0.92       | 21.28      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 20.34                 | 0.92       | 21.26      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 20.33                 | 0.92       | 21.25      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.32                 | 0.92       | 21.24      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 20.32                 | 0.92       | 21.24      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 20.20                 | 0.92       | 21.12      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.34                 | 0.92       | 21.26      | <=33.01 | Pass    |
|                                   |                 |               | 49     | 20.33                 | 0.92       | 21.25      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 20.31                 | 0.92       | 21.23      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 20.32                 | 0.92       | 21.24      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.30                 | 0.92       | 21.22      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 20.30                 | 0.92       | 21.22      | <=33.01 | Pass    |
|                                   | 1905            | 1             | 0      | 20.33                 | 0.92       | 21.25      | <=33.01 | Pass    |

|       |      |                                          |       |       |       |         |         |         |      |
|-------|------|------------------------------------------|-------|-------|-------|---------|---------|---------|------|
|       |      |                                          | 25    | 20.31 | 0.92  | 21.23   | <=33.01 | Pass    |      |
|       |      |                                          | 49    | 20.31 | 0.92  | 21.23   | <=33.01 | Pass    |      |
|       |      | 25                                       | 0     | 20.30 | 0.92  | 21.22   | <=33.01 | Pass    |      |
|       |      |                                          | 13    | 20.30 | 0.92  | 21.22   | <=33.01 | Pass    |      |
|       |      |                                          | 25    | 20.30 | 0.92  | 21.22   | <=33.01 | Pass    |      |
|       |      | 50                                       | 0     | 20.30 | 0.92  | 21.22   | <=33.01 | Pass    |      |
| 16QAM | 1855 | 1                                        | 0     | 20.31 | 0.92  | 21.23   | <=33.01 | Pass    |      |
|       |      |                                          | 25    | 20.30 | 0.92  | 21.22   | <=33.01 | Pass    |      |
|       |      |                                          | 49    | 20.30 | 0.92  | 21.22   | <=33.01 | Pass    |      |
|       |      | 12                                       | 0     | 20.30 | 0.92  | 21.22   | <=33.01 | Pass    |      |
|       |      |                                          | 19    | 20.29 | 0.92  | 21.21   | <=33.01 | Pass    |      |
|       |      |                                          | 38    | 20.39 | 0.92  | 21.31   | <=33.01 | Pass    |      |
|       |      | 27                                       | 0     | 20.36 | 0.92  | 21.28   | <=33.01 | Pass    |      |
|       |      | 1880                                     | 1     | 0     | 20.29 | 0.92    | 21.21   | <=33.01 | Pass |
|       |      |                                          |       | 25    | 20.29 | 0.92    | 21.21   | <=33.01 | Pass |
|       | 49   |                                          |       | 20.28 | 0.92  | 21.20   | <=33.01 | Pass    |      |
|       | 12   |                                          | 0     | 20.28 | 0.92  | 21.20   | <=33.01 | Pass    |      |
|       |      |                                          | 19    | 20.27 | 0.92  | 21.19   | <=33.01 | Pass    |      |
|       |      |                                          | 38    | 20.27 | 0.92  | 21.19   | <=33.01 | Pass    |      |
|       | 27   | 0                                        | 20.27 | 0.92  | 21.19 | <=33.01 | Pass    |         |      |
|       | 1905 | 1                                        | 0     | 20.30 | 0.92  | 21.22   | <=33.01 | Pass    |      |
|       |      |                                          | 25    | 20.30 | 0.92  | 21.22   | <=33.01 | Pass    |      |
|       |      |                                          | 49    | 20.30 | 0.92  | 21.22   | <=33.01 | Pass    |      |
|       |      | 12                                       | 0     | 20.30 | 0.92  | 21.22   | <=33.01 | Pass    |      |
|       |      |                                          | 19    | 20.30 | 0.92  | 21.22   | <=33.01 | Pass    |      |
|       |      |                                          | 38    | 20.30 | 0.92  | 21.22   | <=33.01 | Pass    |      |
|       |      | 27                                       | 23    | 20.30 | 0.92  | 21.22   | <=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      | 21.29                 | 0.92       | 22.21      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.22                 | 0.92       | 22.14      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 21.16                 | 0.92       | 22.08      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 20.39                 | 0.92       | 21.31      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 20.26                 | 0.92       | 21.18      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 20.35                 | 0.92       | 21.27      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 20.28                 | 0.92       | 21.20      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 21.25                 | 0.92       | 22.17      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.27                 | 0.92       | 22.19      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 21.31                 | 0.92       | 22.23      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 20.36                 | 0.92       | 21.28      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 20.24                 | 0.92       | 21.16      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 20.34                 | 0.92       | 21.26      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 20.28                 | 0.92       | 21.20      | <=33.01 | Pass    |
|                                   | 1902.5          | 1             | 0      | 21.40                 | 0.92       | 22.32      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.53                 | 0.92       | 22.45      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 21.52                 | 0.92       | 22.44      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 20.38                 | 0.92       | 21.30      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 20.31                 | 0.92       | 21.23      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 20.37                 | 0.92       | 21.29      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 20.39                 | 0.92       | 21.31      | <=33.01 | Pass    |
| 16QAM                             | 1857.5          | 1             | 0      | 21.33                 | 0.92       | 22.25      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.23                 | 0.92       | 22.15      | <=33.01 | Pass    |

|  |        |    |    |       |      |       |         |      |
|--|--------|----|----|-------|------|-------|---------|------|
|  |        | 12 | 74 | 21.24 | 0.92 | 22.16 | <=33.01 | Pass |
|  |        |    | 0  | 20.48 | 0.92 | 21.40 | <=33.01 | Pass |
|  |        |    | 31 | 20.36 | 0.92 | 21.28 | <=33.01 | Pass |
|  |        |    | 63 | 20.31 | 0.92 | 21.23 | <=33.01 | Pass |
|  |        | 27 | 0  | 19.41 | 0.92 | 20.33 | <=33.01 | Pass |
|  | 1880   | 1  | 0  | 21.06 | 0.92 | 21.98 | <=33.01 | Pass |
|  |        |    | 38 | 21.11 | 0.92 | 22.03 | <=33.01 | Pass |
|  |        |    | 74 | 21.11 | 0.92 | 22.03 | <=33.01 | Pass |
|  |        | 12 | 0  | 20.36 | 0.92 | 21.28 | <=33.01 | Pass |
|  |        |    | 31 | 20.42 | 0.92 | 21.34 | <=33.01 | Pass |
|  |        |    | 63 | 20.49 | 0.92 | 21.41 | <=33.01 | Pass |
|  |        | 27 | 0  | 19.41 | 0.92 | 20.33 | <=33.01 | Pass |
|  | 1902.5 | 1  | 0  | 20.96 | 0.92 | 21.88 | <=33.01 | Pass |
|  |        |    | 38 | 21.04 | 0.92 | 21.96 | <=33.01 | Pass |
|  |        |    | 74 | 21.03 | 0.92 | 21.95 | <=33.01 | Pass |
|  |        | 12 | 0  | 20.28 | 0.92 | 21.20 | <=33.01 | Pass |
|  |        |    | 31 | 20.35 | 0.92 | 21.27 | <=33.01 | Pass |
|  |        |    | 63 | 20.34 | 0.92 | 21.26 | <=33.01 | Pass |
|  |        | 27 | 48 | 19.50 | 0.92 | 20.42 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

## 1.1.6 B2\_20MHz\_EIRP

| Band: 2 / Bandwidth: 20MHz / NTNv |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 1860            | 1             | 0      | 21.54                 | 0.92       | 22.46      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.40                 | 0.92       | 22.32      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 21.35                 | 0.92       | 22.27      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 20.44                 | 0.92       | 21.36      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.23                 | 0.92       | 21.15      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 20.25                 | 0.92       | 21.17      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 20.23                 | 0.92       | 21.15      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 21.29                 | 0.92       | 22.21      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.26                 | 0.92       | 22.18      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 21.22                 | 0.92       | 22.14      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 20.28                 | 0.92       | 21.20      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.20                 | 0.92       | 21.12      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 20.20                 | 0.92       | 21.12      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 20.32                 | 0.92       | 21.24      | <=33.01 | Pass    |
|                                   | 1900            | 1             | 0      | 21.40                 | 0.92       | 22.32      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.44                 | 0.92       | 22.36      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 21.38                 | 0.92       | 22.30      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 20.35                 | 0.92       | 21.27      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.38                 | 0.92       | 21.30      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 20.35                 | 0.92       | 21.27      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 20.48                 | 0.92       | 21.40      | <=33.01 | Pass    |
| 16QAM                             | 1860            | 1             | 0      | 21.02                 | 0.92       | 21.94      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 20.86                 | 0.92       | 21.78      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 20.88                 | 0.92       | 21.80      | <=33.01 | Pass    |
|                                   |                 | 12            | 0      | 20.42                 | 0.92       | 21.34      | <=33.01 | Pass    |
|                                   |                 |               | 44     | 20.36                 | 0.92       | 21.28      | <=33.01 | Pass    |
|                                   |                 |               | 88     | 20.31                 | 0.92       | 21.23      | <=33.01 | Pass    |
|                                   |                 | 27            | 0      | 19.41                 | 0.92       | 20.33      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 20.58                 | 0.92       | 21.50      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 20.65                 | 0.92       | 21.57      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 20.71                 | 0.92       | 21.63      | <=33.01 | Pass    |

|  |      |    |    |       |      |       |         |      |
|--|------|----|----|-------|------|-------|---------|------|
|  |      | 12 | 0  | 20.01 | 0.92 | 20.93 | <=33.01 | Pass |
|  |      |    | 44 | 20.05 | 0.92 | 20.97 | <=33.01 | Pass |
|  |      |    | 88 | 20.13 | 0.92 | 21.05 | <=33.01 | Pass |
|  |      | 27 | 0  | 19.35 | 0.92 | 20.27 | <=33.01 | Pass |
|  | 1900 | 1  | 0  | 21.56 | 0.92 | 22.48 | <=33.01 | Pass |
|  |      |    | 50 | 21.64 | 0.92 | 22.56 | <=33.01 | Pass |
|  |      |    | 99 | 21.66 | 0.92 | 22.58 | <=33.01 | Pass |
|  |      | 12 | 0  | 20.25 | 0.92 | 21.17 | <=33.01 | Pass |
|  |      |    | 44 | 20.30 | 0.92 | 21.22 | <=33.01 | Pass |
|  |      |    | 88 | 20.30 | 0.92 | 21.22 | <=33.01 | Pass |
|  |      | 27 | 73 | 19.46 | 0.92 | 20.38 | <=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          | -3.133           | -0.0017               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -4.420           | -0.0024               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -0.629           | -0.0003               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -2.947           | -0.0016               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -3.433           | -0.0019               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -1.960           | -0.0011               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -1.359           | -0.0007               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -1.445           | -0.0008               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -0.587           | -0.0003               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -4.749           | -0.0026               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -2.847           | -0.0015               | -2.5 to 2.5 | Pass    |
|                             | 1880            | 6             | 0      | 20         | 3.27          | 4.349            | 0.0023                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 5.422            | 0.0029                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 6.495            | 0.0035                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 8.111            | 0.0043                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 8.111            | 0.0043                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 8.798            | 0.0047                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 4.849            | 0.0026                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -2.189           | -0.0012               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -1.688           | -0.0009               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -4.420           | -0.0024               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -3.347           | -0.0018               | -2.5 to 2.5 | Pass    |
|                             | 1909.3          | 6             | 0      | 20         | 3.27          | -5.093           | -0.0027               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -4.706           | -0.0025               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 0.072            | 0.0000                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -2.832           | -0.0015               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 0.572            | 0.0003                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 0.744            | 0.0004                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 1.888            | 0.0010                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 3.448            | 0.0018                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 4.206            | 0.0022                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 9.742            | 0.0051                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 6.723            | 0.0035                | -2.5 to 2.5 | Pass    |
| 16QAM                       | 1850.7          | 6             | 0      | 20         | 3.27          | -5.207           | -0.0028               | -2.5 to 2.5 | Pass    |

|  |        |   |   |     |      |        |         |             |      |
|--|--------|---|---|-----|------|--------|---------|-------------|------|
|  |        |   |   |     | 3.85 | -1.931 | -0.0010 | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 4.43 | -1.788 | -0.0010 | -2.5 to 2.5 | Pass |
|  |        |   |   | -30 | 3.85 | -2.832 | -0.0015 | -2.5 to 2.5 | Pass |
|  |        |   |   | -20 | 3.85 | -3.362 | -0.0018 | -2.5 to 2.5 | Pass |
|  |        |   |   | -10 | 3.85 | -2.475 | -0.0013 | -2.5 to 2.5 | Pass |
|  |        |   |   | 0   | 3.85 | -3.662 | -0.0020 | -2.5 to 2.5 | Pass |
|  |        |   |   | 10  | 3.85 | -3.290 | -0.0018 | -2.5 to 2.5 | Pass |
|  |        |   |   | 30  | 3.85 | -0.730 | -0.0004 | -2.5 to 2.5 | Pass |
|  |        |   |   | 40  | 3.85 | -3.047 | -0.0016 | -2.5 to 2.5 | Pass |
|  |        |   |   | 50  | 3.85 | -2.346 | -0.0013 | -2.5 to 2.5 | Pass |
|  | 1880   | 6 | 0 | 20  | 3.27 | -2.575 | -0.0014 | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 3.85 | -3.319 | -0.0018 | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 4.43 | -4.220 | -0.0022 | -2.5 to 2.5 | Pass |
|  |        |   |   | -30 | 3.85 | -3.462 | -0.0018 | -2.5 to 2.5 | Pass |
|  |        |   |   | -20 | 3.85 | -2.990 | -0.0016 | -2.5 to 2.5 | Pass |
|  |        |   |   | -10 | 3.85 | -2.818 | -0.0015 | -2.5 to 2.5 | Pass |
|  |        |   |   | 0   | 3.85 | -4.320 | -0.0023 | -2.5 to 2.5 | Pass |
|  |        |   |   | 10  | 3.85 | -1.788 | -0.0010 | -2.5 to 2.5 | Pass |
|  |        |   |   | 30  | 3.85 | -2.060 | -0.0011 | -2.5 to 2.5 | Pass |
|  |        |   |   | 40  | 3.85 | -0.730 | -0.0004 | -2.5 to 2.5 | Pass |
|  |        |   |   | 50  | 3.85 | -2.232 | -0.0012 | -2.5 to 2.5 | Pass |
|  | 1909.3 | 6 | 0 | 20  | 3.27 | 10.400 | 0.0054  | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 3.85 | 9.141  | 0.0048  | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 4.43 | 6.366  | 0.0033  | -2.5 to 2.5 | Pass |
|  |        |   |   | -30 | 3.85 | 8.969  | 0.0047  | -2.5 to 2.5 | Pass |
|  |        |   |   | -20 | 3.85 | 9.270  | 0.0049  | -2.5 to 2.5 | Pass |
|  |        |   |   | -10 | 3.85 | 4.549  | 0.0024  | -2.5 to 2.5 | Pass |
|  |        |   |   | 0   | 3.85 | 8.841  | 0.0046  | -2.5 to 2.5 | Pass |
|  |        |   |   | 10  | 3.85 | 9.484  | 0.0050  | -2.5 to 2.5 | Pass |
|  |        |   |   | 30  | 3.85 | 8.898  | 0.0047  | -2.5 to 2.5 | Pass |
|  |        |   |   | 40  | 3.85 | 7.482  | 0.0039  | -2.5 to 2.5 | Pass |
|  |        |   |   | 50  | 3.85 | 7.367  | 0.0039  | -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          | 4.992            | 0.0027                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -0.472           | -0.0003               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -2.131           | -0.0012               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 0.501            | 0.0003                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -1.016           | -0.0005               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -1.645           | -0.0009               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -0.172           | -0.0001               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -3.920           | -0.0021               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -3.419           | -0.0018               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -3.462           | -0.0019               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | -2.575           | -0.0014               | -2.5 to 2.5 | Pass    |
|                           | 1880            | 15            | 0      | 20         | 3.27          | 3.862            | 0.0021                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 9.370            | 0.0050                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 4.435            | 0.0024                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 2.604            | 0.0014                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -5.107           | -0.0027               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -6.466           | -0.0034               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -2.060           | -0.0011               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -5.078           | -0.0027               | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |        |         |             |      |
|-------|--------|----|---|-----|------|--------|---------|-------------|------|
|       |        |    |   | 30  | 3.85 | -5.622 | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -1.173 | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -4.549 | -0.0024 | -2.5 to 2.5 | Pass |
|       | 1908.5 | 15 | 0 | 20  | 3.27 | -9.212 | -0.0048 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 7.610  | 0.0040  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 5.050  | 0.0026  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 1.831  | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -5.636 | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -5.794 | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 0.815  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -8.354 | -0.0044 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -8.926 | -0.0047 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -7.238 | -0.0038 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -6.938 | -0.0036 | -2.5 to 2.5 | Pass |
| 16QAM | 1851.5 | 15 | 0 | 20  | 3.27 | -0.587 | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -4.978 | -0.0027 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -2.718 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -2.418 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -3.018 | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -2.503 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -3.562 | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -1.359 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -1.388 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -3.905 | -0.0021 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -1.502 | -0.0008 | -2.5 to 2.5 | Pass |
|       | 1880   | 15 | 0 | 20  | 3.27 | -4.148 | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -7.095 | -0.0038 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -7.839 | -0.0042 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -4.106 | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -4.663 | -0.0025 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -5.622 | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -0.315 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -0.172 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 0.315  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 0.072  | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 3.819  | 0.0020  | -2.5 to 2.5 | Pass |
|       | 1908.5 | 15 | 0 | 20  | 3.27 | -6.609 | -0.0035 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -7.353 | -0.0039 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -7.954 | -0.0042 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -9.427 | -0.0049 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -7.424 | -0.0039 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -5.007 | -0.0026 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -6.895 | -0.0036 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -4.234 | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -8.082 | -0.0042 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -6.394 | -0.0034 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -6.995 | -0.0037 | -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          | 4.063            | 0.0022                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 8.268            | 0.0045                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 5.908            | 0.0032                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 11.058           | 0.0060                | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
| 16QAM |        |    |   | -20 | 3.85 | 6.766   | 0.0037  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 6.509   | 0.0035  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 6.652   | 0.0036  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 6.080   | 0.0033  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 7.381   | 0.0040  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 7.696   | 0.0042  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 7.439   | 0.0040  | -2.5 to 2.5 | Pass |
|       | 1880   | 25 | 0 | 20  | 3.27 | 9.799   | 0.0052  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 8.140   | 0.0043  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -5.193  | -0.0028 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -2.232  | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -3.333  | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -2.775  | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -2.360  | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -6.366  | -0.0034 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -3.619  | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -5.479  | -0.0029 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -6.037  | -0.0032 | -2.5 to 2.5 | Pass |
|       | 1907.5 | 25 | 0 | 20  | 3.27 | 5.164   | 0.0027  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 2.947   | 0.0015  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 6.695   | 0.0035  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 7.668   | 0.0040  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -9.084  | -0.0048 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -4.134  | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -5.393  | -0.0028 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -6.509  | -0.0034 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -6.452  | -0.0034 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -4.292  | -0.0023 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -5.765  | -0.0030 | -2.5 to 2.5 | Pass |
|       | 1852.5 | 25 | 0 | 20  | 3.27 | 7.453   | 0.0040  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 5.522   | 0.0030  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 6.223   | 0.0034  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 4.864   | 0.0026  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 1.187   | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -2.031  | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 1.216   | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -1.516  | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -2.375  | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -2.832  | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -2.604  | -0.0014 | -2.5 to 2.5 | Pass |
|       | 1880   | 25 | 0 | 20  | 3.27 | -3.276  | -0.0017 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -5.693  | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -5.364  | -0.0029 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -5.937  | -0.0032 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -7.210  | -0.0038 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -4.292  | -0.0023 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -0.687  | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -6.680  | -0.0036 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -5.693  | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -4.549  | -0.0024 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -2.847  | -0.0015 | -2.5 to 2.5 | Pass |
|       | 1907.5 | 25 | 0 | 20  | 3.27 | -3.734  | -0.0020 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -3.533  | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -11.158 | -0.0058 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -3.347  | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -4.106  | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -8.712  | -0.0046 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -8.054  | -0.0042 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 2.661   | 0.0014  | -2.5 to 2.5 | Pass |

|  |  |  |  |    |      |        |         |             |      |
|--|--|--|--|----|------|--------|---------|-------------|------|
|  |  |  |  | 30 | 3.85 | -8.411 | -0.0044 | -2.5 to 2.5 | Pass |
|  |  |  |  | 40 | 3.85 | -0.701 | -0.0004 | -2.5 to 2.5 | Pass |
|  |  |  |  | 50 | 3.85 | -2.046 | -0.0011 | -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          | -1.888           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -1.187           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -1.931           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -4.692           | -0.0025               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 0.215            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 0.529            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -2.704           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -2.432           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -3.047           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -5.322           | -0.0029               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -1.888           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 50            | 0      | 20         | 3.27          | 5.865            | 0.0031                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -1.302           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 0.358            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 1.860            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 0.057            | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 3.276            | 0.0017                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 5.407            | 0.0029                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 7.982            | 0.0042                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 2.761            | 0.0015                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 6.294            | 0.0033                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 4.377            | 0.0023                | -2.5 to 2.5 | Pass    |
|                            | 1905            | 50            | 0      | 20         | 3.27          | 1.330            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 6.723            | 0.0035                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -3.190           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -5.736           | -0.0030               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -5.693           | -0.0030               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -7.052           | -0.0037               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -9.155           | -0.0048               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -6.394           | -0.0034               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -8.054           | -0.0042               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -5.822           | -0.0031               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -10.099          | -0.0053               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 1855            | 27            | 0      | 20         | 3.27          | -2.060           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -2.789           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -2.260           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -3.748           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 0.229            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 7.710            | 0.0042                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 5.722            | 0.0031                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 7.668            | 0.0041                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -4.792           | -0.0026               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -4.220           | -0.0023               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -4.921           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 27            | 0      | 20         | 3.27          | 7.696            | 0.0041                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 5.593            | 0.0030                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 4.706            | 0.0025                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 7.267            | 0.0039                | -2.5 to 2.5 | Pass    |

|  |      |    |    |     |      |         |         |             |      |
|--|------|----|----|-----|------|---------|---------|-------------|------|
|  |      |    |    | -20 | 3.85 | 5.493   | 0.0029  | -2.5 to 2.5 | Pass |
|  |      |    |    | -10 | 3.85 | 8.554   | 0.0046  | -2.5 to 2.5 | Pass |
|  |      |    |    | 0   | 3.85 | 3.619   | 0.0019  | -2.5 to 2.5 | Pass |
|  |      |    |    | 10  | 3.85 | 5.393   | 0.0029  | -2.5 to 2.5 | Pass |
|  |      |    |    | 30  | 3.85 | 6.180   | 0.0033  | -2.5 to 2.5 | Pass |
|  |      |    |    | 40  | 3.85 | 6.752   | 0.0036  | -2.5 to 2.5 | Pass |
|  |      |    |    | 50  | 3.85 | 7.010   | 0.0037  | -2.5 to 2.5 | Pass |
|  | 1905 | 27 | 23 | 20  | 3.27 | -4.678  | -0.0025 | -2.5 to 2.5 | Pass |
|  |      |    |    |     | 3.85 | -5.565  | -0.0029 | -2.5 to 2.5 | Pass |
|  |      |    |    |     | 4.43 | -5.794  | -0.0030 | -2.5 to 2.5 | Pass |
|  |      |    |    | -30 | 3.85 | -7.210  | -0.0038 | -2.5 to 2.5 | Pass |
|  |      |    |    | -20 | 3.85 | -8.798  | -0.0046 | -2.5 to 2.5 | Pass |
|  |      |    |    | -10 | 3.85 | -11.058 | -0.0058 | -2.5 to 2.5 | Pass |
|  |      |    |    | 0   | 3.85 | -9.985  | -0.0052 | -2.5 to 2.5 | Pass |
|  |      |    |    | 10  | 3.85 | -7.896  | -0.0041 | -2.5 to 2.5 | Pass |
|  |      |    |    | 30  | 3.85 | -5.550  | -0.0029 | -2.5 to 2.5 | Pass |
|  |      |    |    | 40  | 3.85 | -7.668  | -0.0040 | -2.5 to 2.5 | Pass |
|  |      |    |    | 50  | 3.85 | -9.370  | -0.0049 | -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          | 4.964            | 0.0027                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 2.246            | 0.0012                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 7.396            | 0.0040                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 5.722            | 0.0031                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 6.223            | 0.0034                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 5.236            | 0.0028                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 5.822            | 0.0031                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 0.086            | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 8.240            | 0.0044                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 6.995            | 0.0038                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -1.101           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 75            | 0      | 20         | 3.27          | -3.734           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -1.988           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -4.849           | -0.0026               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -4.892           | -0.0026               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -5.264           | -0.0028               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 0.558            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -5.522           | -0.0029               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 2.818            | 0.0015                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 0.901            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 3.762            | 0.0020                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 6.924            | 0.0037                | -2.5 to 2.5 | Pass    |
|                            | 1902.5          | 75            | 0      | 20         | 3.27          | 5.250            | 0.0028                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 7.467            | 0.0039                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 5.193            | 0.0027                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 6.065            | 0.0032                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 5.965            | 0.0031                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 6.680            | 0.0035                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 6.938            | 0.0036                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 3.920            | 0.0021                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 7.882            | 0.0041                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 7.739            | 0.0041                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 7.567            | 0.0040                | -2.5 to 2.5 | Pass    |

|       |        |    |    |     |      |         |         |             |      |
|-------|--------|----|----|-----|------|---------|---------|-------------|------|
| 16QAM | 1857.5 | 27 | 0  | 20  | 3.27 | 4.621   | 0.0025  | -2.5 to 2.5 | Pass |
|       |        |    |    |     | 3.85 | 10.071  | 0.0054  | -2.5 to 2.5 | Pass |
|       |        |    |    |     | 4.43 | 6.022   | 0.0032  | -2.5 to 2.5 | Pass |
|       |        |    |    | -30 | 3.85 | 6.938   | 0.0037  | -2.5 to 2.5 | Pass |
|       |        |    |    | -20 | 3.85 | 5.121   | 0.0028  | -2.5 to 2.5 | Pass |
|       |        |    |    | -10 | 3.85 | 10.886  | 0.0059  | -2.5 to 2.5 | Pass |
|       |        |    |    | 0   | 3.85 | 7.224   | 0.0039  | -2.5 to 2.5 | Pass |
|       |        |    |    | 10  | 3.85 | 6.437   | 0.0035  | -2.5 to 2.5 | Pass |
|       |        |    |    | 30  | 3.85 | 7.882   | 0.0042  | -2.5 to 2.5 | Pass |
|       |        |    |    | 40  | 3.85 | 3.533   | 0.0019  | -2.5 to 2.5 | Pass |
|       |        |    |    | 50  | 3.85 | 3.505   | 0.0019  | -2.5 to 2.5 | Pass |
|       | 1880   | 27 | 0  | 20  | 3.27 | 6.723   | 0.0036  | -2.5 to 2.5 | Pass |
|       |        |    |    |     | 3.85 | 3.161   | 0.0017  | -2.5 to 2.5 | Pass |
|       |        |    |    |     | 4.43 | 3.405   | 0.0018  | -2.5 to 2.5 | Pass |
|       |        |    |    | -30 | 3.85 | 5.765   | 0.0031  | -2.5 to 2.5 | Pass |
|       |        |    |    | -20 | 3.85 | 4.392   | 0.0023  | -2.5 to 2.5 | Pass |
|       |        |    |    | -10 | 3.85 | 2.017   | 0.0011  | -2.5 to 2.5 | Pass |
|       |        |    |    | 0   | 3.85 | -1.988  | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |    | 10  | 3.85 | 2.446   | 0.0013  | -2.5 to 2.5 | Pass |
|       |        |    |    | 30  | 3.85 | -0.815  | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |    | 40  | 3.85 | -2.503  | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |    | 50  | 3.85 | -2.489  | -0.0013 | -2.5 to 2.5 | Pass |
|       | 1902.5 | 27 | 48 | 20  | 3.27 | 7.238   | 0.0038  | -2.5 to 2.5 | Pass |
|       |        |    |    |     | 3.85 | 4.277   | 0.0022  | -2.5 to 2.5 | Pass |
|       |        |    |    |     | 4.43 | 6.909   | 0.0036  | -2.5 to 2.5 | Pass |
|       |        |    |    | -30 | 3.85 | -12.074 | -0.0063 | -2.5 to 2.5 | Pass |
|       |        |    |    | -20 | 3.85 | 5.050   | 0.0027  | -2.5 to 2.5 | Pass |
|       |        |    |    | -10 | 3.85 | 3.233   | 0.0017  | -2.5 to 2.5 | Pass |
|       |        |    |    | 0   | 3.85 | 2.618   | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |    | 10  | 3.85 | -0.744  | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |    | 30  | 3.85 | -3.204  | -0.0017 | -2.5 to 2.5 | Pass |
|       |        |    |    | 40  | 3.85 | -8.025  | -0.0042 | -2.5 to 2.5 | Pass |
|       |        |    |    | 50  | 3.85 | -2.890  | -0.0015 | -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          | -6.094           | -0.0033               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -3.133           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -0.758           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -1.831           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -2.646           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -1.259           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -3.891           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 0.257            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 1.717            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 2.646            | 0.0014                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 5.150            | 0.0028                | -2.5 to 2.5 | Pass    |
|                            | 1880            | 100           | 0      | 20         | 3.27          | -5.007           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -4.478           | -0.0024               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -3.476           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -5.407           | -0.0029               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 2.661            | 0.0014                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 6.809            | 0.0036                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 3.891            | 0.0021                | -2.5 to 2.5 | Pass    |

|       |      |     |    |     |      |        |         |             |      |
|-------|------|-----|----|-----|------|--------|---------|-------------|------|
|       |      |     |    | 10  | 3.85 | 6.137  | 0.0033  | -2.5 to 2.5 | Pass |
|       |      |     |    | 30  | 3.85 | 2.503  | 0.0013  | -2.5 to 2.5 | Pass |
|       |      |     |    | 40  | 3.85 | 4.034  | 0.0021  | -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 | 6.652  | 0.0035  | -2.5 to 2.5 | Pass |
|       |      |     |    |     | 3.85 | 6.952  | 0.0037  | -2.5 to 2.5 | Pass |
|       |      |     |    |     | 4.43 | 0.443  | 0.0002  | -2.5 to 2.5 | Pass |
|       |      |     |    | -30 | 3.85 | -3.862 | -0.0020 | -2.5 to 2.5 | Pass |
|       |      |     |    | -20 | 3.85 | -7.553 | -0.0040 | -2.5 to 2.5 | Pass |
|       |      |     |    | -10 | 3.85 | -8.941 | -0.0047 | -2.5 to 2.5 | Pass |
|       |      |     |    | 0   | 3.85 | 1.116  | 0.0006  | -2.5 to 2.5 | Pass |
|       |      |     |    | 10  | 3.85 | -5.207 | -0.0027 | -2.5 to 2.5 | Pass |
|       |      |     |    | 30  | 3.85 | -4.735 | -0.0025 | -2.5 to 2.5 | Pass |
|       |      |     |    | 40  | 3.85 | -3.819 | -0.0020 | -2.5 to 2.5 | Pass |
|       |      |     |    | 50  | 3.85 | -0.858 | -0.0005 | -2.5 to 2.5 | Pass |
| 16QAM | 1860 | 27  | 0  | 20  | 3.27 | 9.942  | 0.0053  | -2.5 to 2.5 | Pass |
|       |      |     |    |     | 3.85 | 6.223  | 0.0033  | -2.5 to 2.5 | Pass |
|       |      |     |    |     | 4.43 | 5.693  | 0.0031  | -2.5 to 2.5 | Pass |
|       |      |     |    | -30 | 3.85 | 2.446  | 0.0013  | -2.5 to 2.5 | Pass |
|       |      |     |    | -20 | 3.85 | 5.393  | 0.0029  | -2.5 to 2.5 | Pass |
|       |      |     |    | -10 | 3.85 | 1.545  | 0.0008  | -2.5 to 2.5 | Pass |
|       |      |     |    | 0   | 3.85 | 2.003  | 0.0011  | -2.5 to 2.5 | Pass |
|       |      |     |    | 10  | 3.85 | 3.233  | 0.0017  | -2.5 to 2.5 | Pass |
|       |      |     |    | 30  | 3.85 | 0.772  | 0.0004  | -2.5 to 2.5 | Pass |
|       |      |     |    | 40  | 3.85 | 3.591  | 0.0019  | -2.5 to 2.5 | Pass |
|       |      |     |    | 50  | 3.85 | 4.363  | 0.0023  | -2.5 to 2.5 | Pass |
|       | 1880 | 27  | 0  | 20  | 3.27 | 5.593  | 0.0030  | -2.5 to 2.5 | Pass |
|       |      |     |    |     | 3.85 | 2.260  | 0.0012  | -2.5 to 2.5 | Pass |
|       |      |     |    |     | 4.43 | 2.890  | 0.0015  | -2.5 to 2.5 | Pass |
|       |      |     |    | -30 | 3.85 | 3.605  | 0.0019  | -2.5 to 2.5 | Pass |
|       |      |     |    | -20 | 3.85 | 3.519  | 0.0019  | -2.5 to 2.5 | Pass |
|       |      |     |    | -10 | 3.85 | 5.307  | 0.0028  | -2.5 to 2.5 | Pass |
|       |      |     |    | 0   | 3.85 | 5.980  | 0.0032  | -2.5 to 2.5 | Pass |
|       |      |     |    | 10  | 3.85 | 4.120  | 0.0022  | -2.5 to 2.5 | Pass |
|       |      |     |    | 30  | 3.85 | 5.894  | 0.0031  | -2.5 to 2.5 | Pass |
|       |      |     |    | 40  | 3.85 | 9.670  | 0.0051  | -2.5 to 2.5 | Pass |
|       |      |     |    | 50  | 3.85 | 6.194  | 0.0033  | -2.5 to 2.5 | Pass |
|       | 1900 | 27  | 73 | 20  | 3.27 | -2.089 | -0.0011 | -2.5 to 2.5 | Pass |
|       |      |     |    |     | 3.85 | 5.937  | 0.0031  | -2.5 to 2.5 | Pass |
|       |      |     |    |     | 4.43 | 6.065  | 0.0032  | -2.5 to 2.5 | Pass |
|       |      |     |    | -30 | 3.85 | 5.908  | 0.0031  | -2.5 to 2.5 | Pass |
|       |      |     |    | -20 | 3.85 | 5.322  | 0.0028  | -2.5 to 2.5 | Pass |
|       |      |     |    | -10 | 3.85 | 5.050  | 0.0027  | -2.5 to 2.5 | Pass |
|       |      |     |    | 0   | 3.85 | 3.505  | 0.0018  | -2.5 to 2.5 | Pass |
|       |      |     |    | 10  | 3.85 | 6.509  | 0.0034  | -2.5 to 2.5 | Pass |
|       |      |     |    | 30  | 3.85 | 2.947  | 0.0016  | -2.5 to 2.5 | Pass |
|       |      |     |    | 40  | 3.85 | 6.208  | 0.0033  | -2.5 to 2.5 | Pass |
|       |      |     |    | 50  | 3.85 | 8.483  | 0.0045  | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

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

Band: 2 / Bandwidth: 1.4MHz / NTN/V

| Modulation | Frequency<br>(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<br>(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<br>(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<br>(MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                    | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 1880               | 50            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 1880               | 27            | 0      | Refer To Test Graph        |       | Pass    |

## 3.1.5 B2\_15MHz

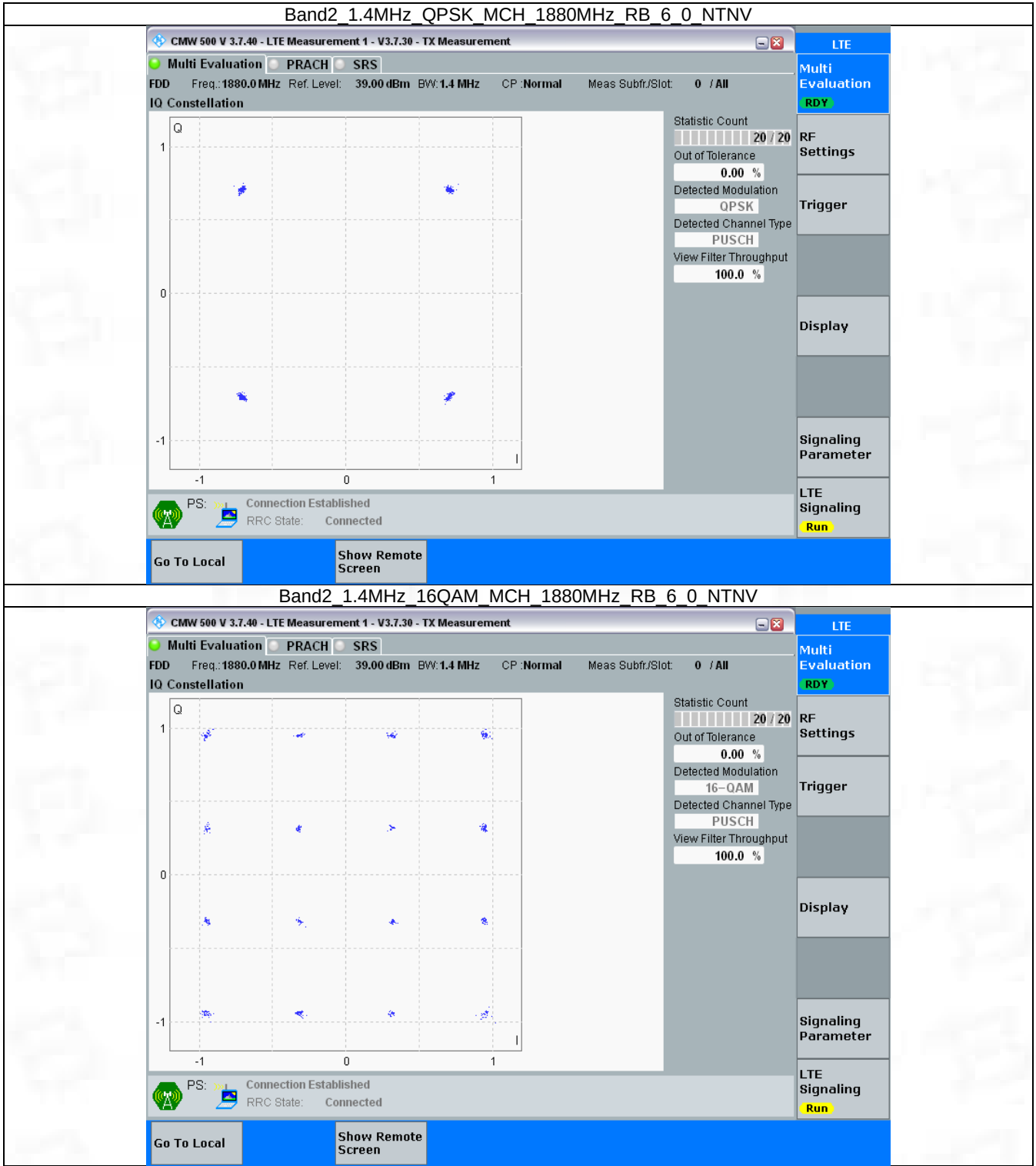
| Band: 2 / Bandwidth: 15MHz / NTNV |                    |               |        |                            |       |         |
|-----------------------------------|--------------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency<br>(MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                    | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 1880               | 75            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 1880               | 27            | 0      | Refer To Test Graph        |       | Pass    |

## 3.1.6 B2\_20MHz

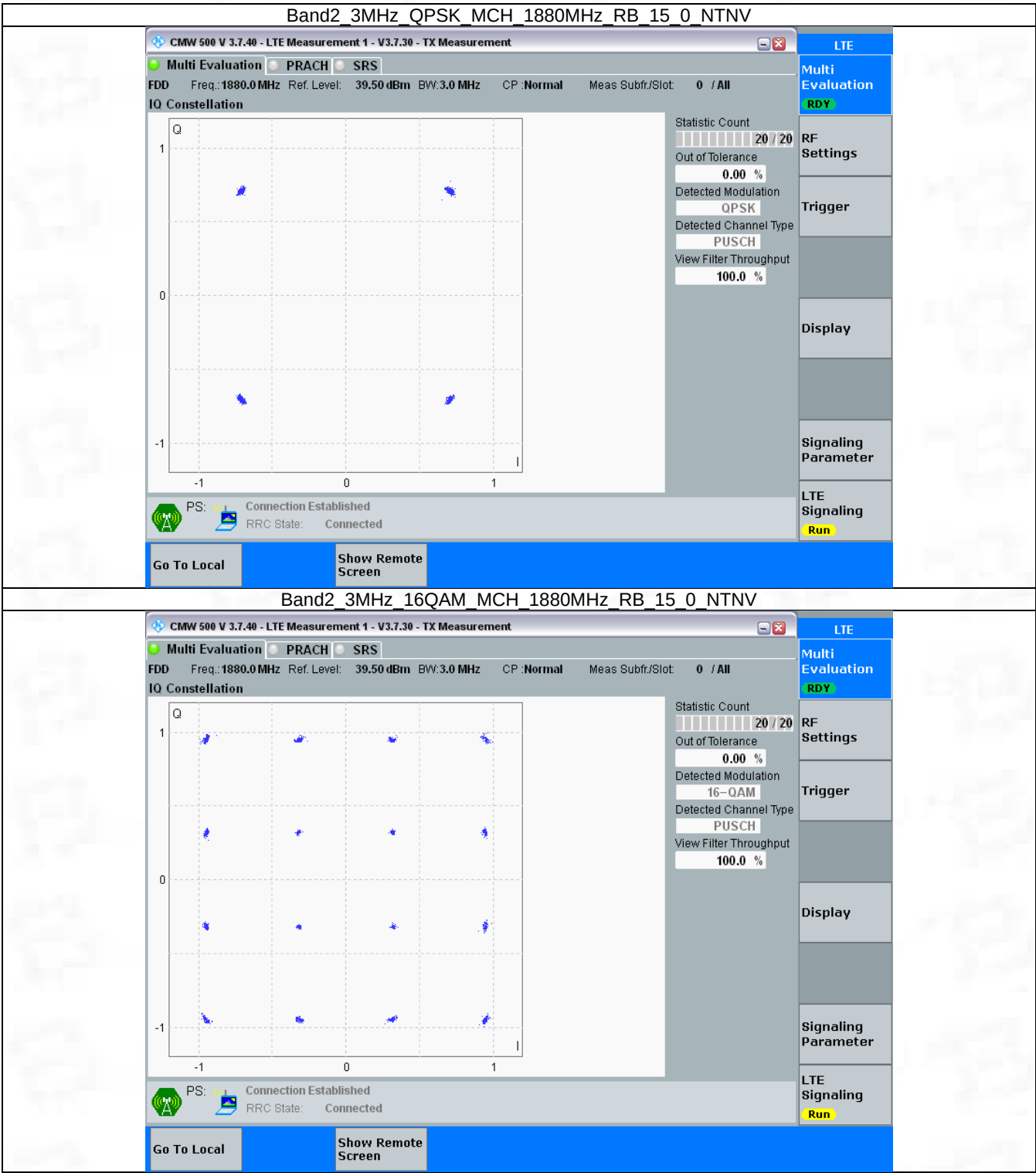
| Band: 2 / Bandwidth: 20MHz / NTNV |                    |               |        |                            |       |         |
|-----------------------------------|--------------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency<br>(MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                    | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 1880               | 100           | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 1880               | 27            | 0      | Refer To Test Graph        |       | Pass    |

3.2 Test Graph

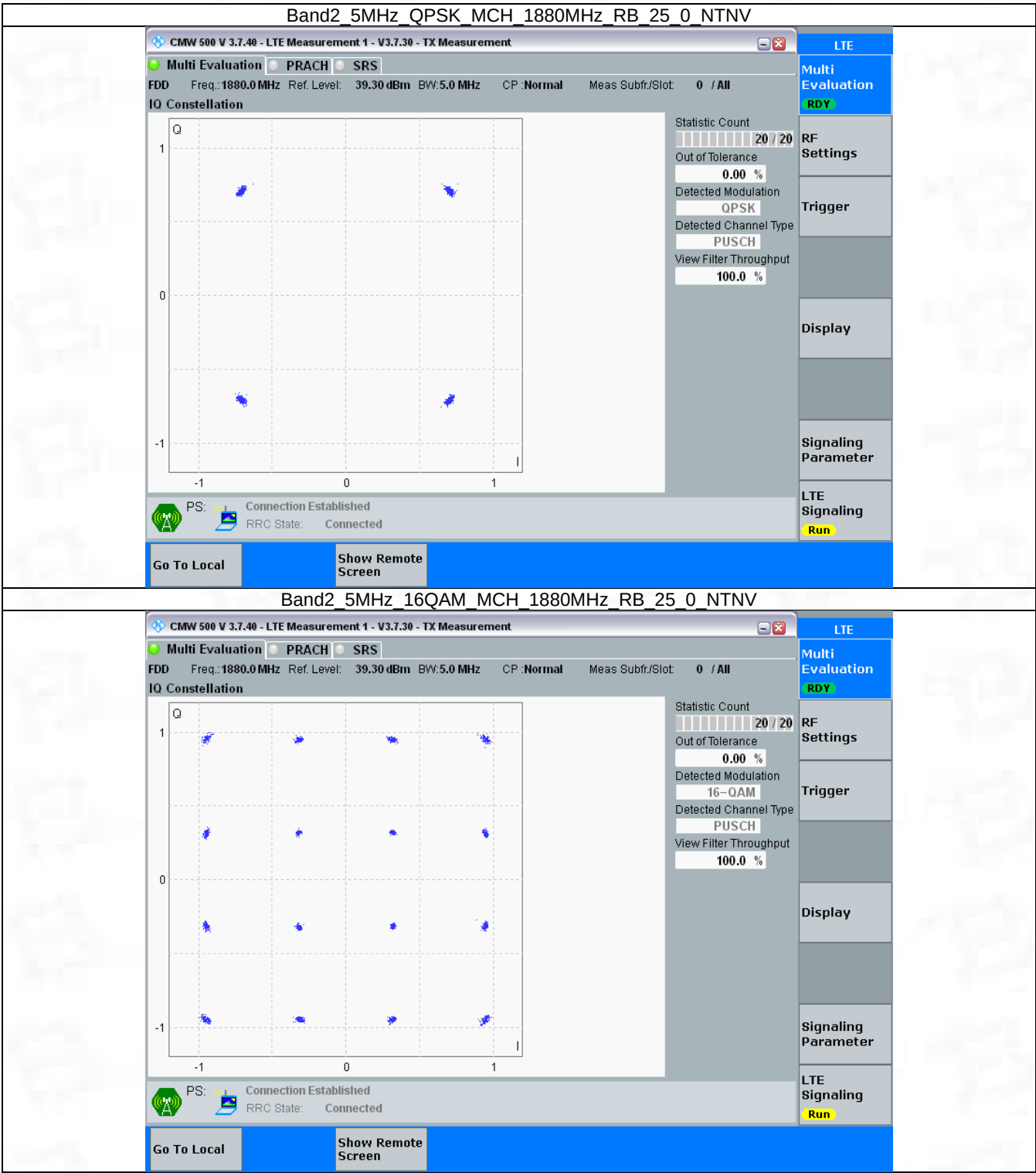
3.2.1 B2\_1.4MHz



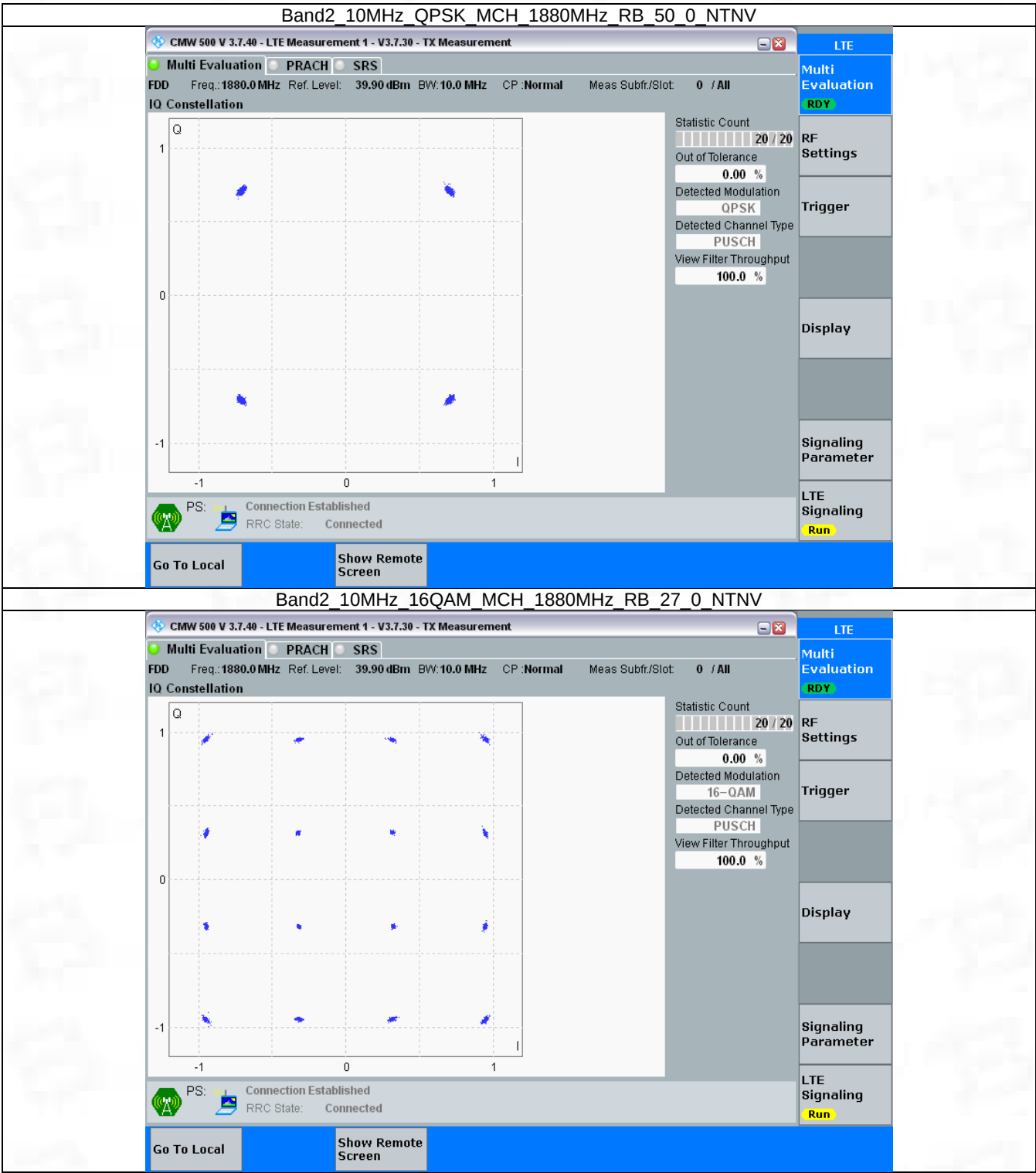
3.2.2 B2\_3MHz



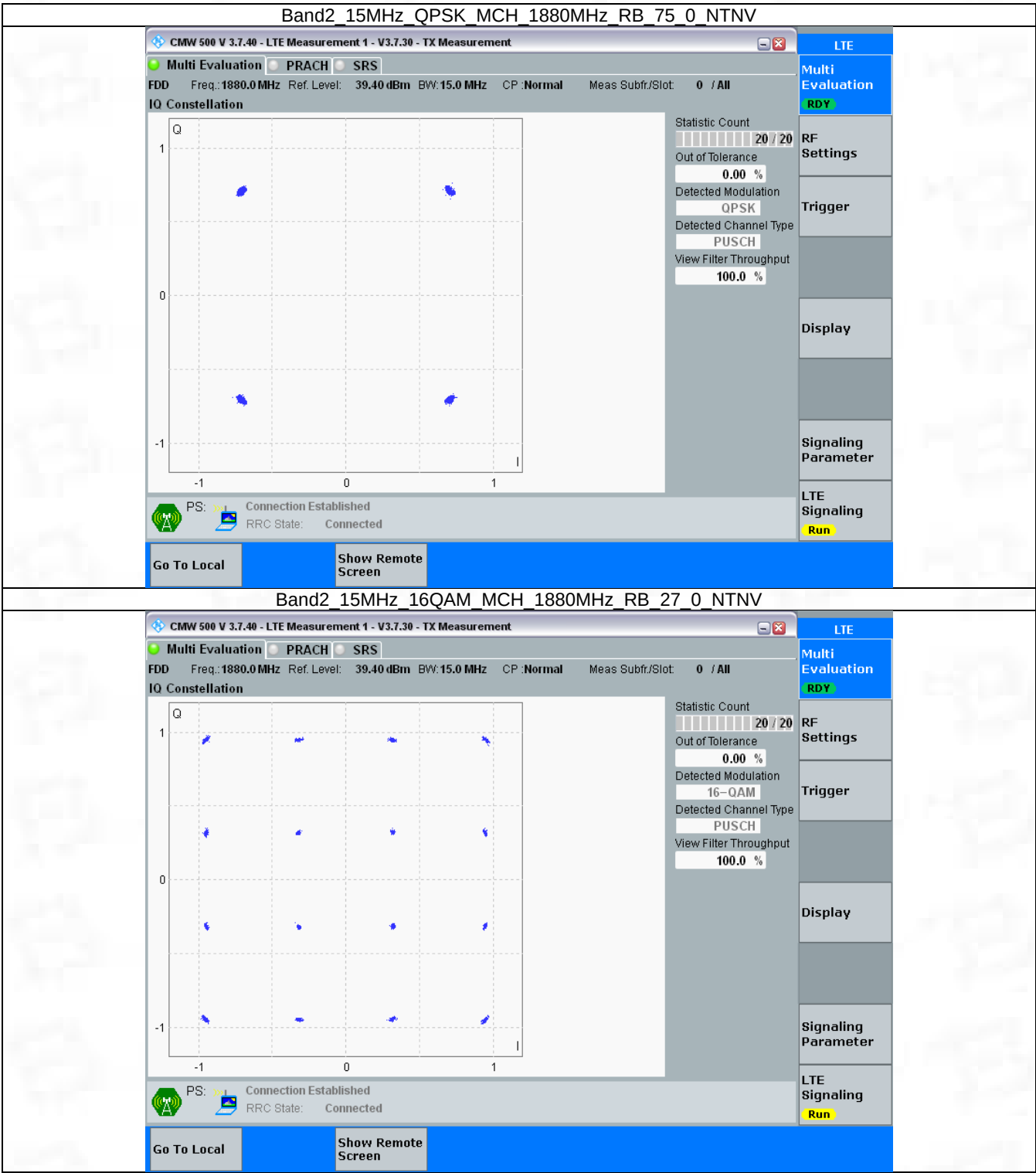
3.2.3 B2\_5MHz



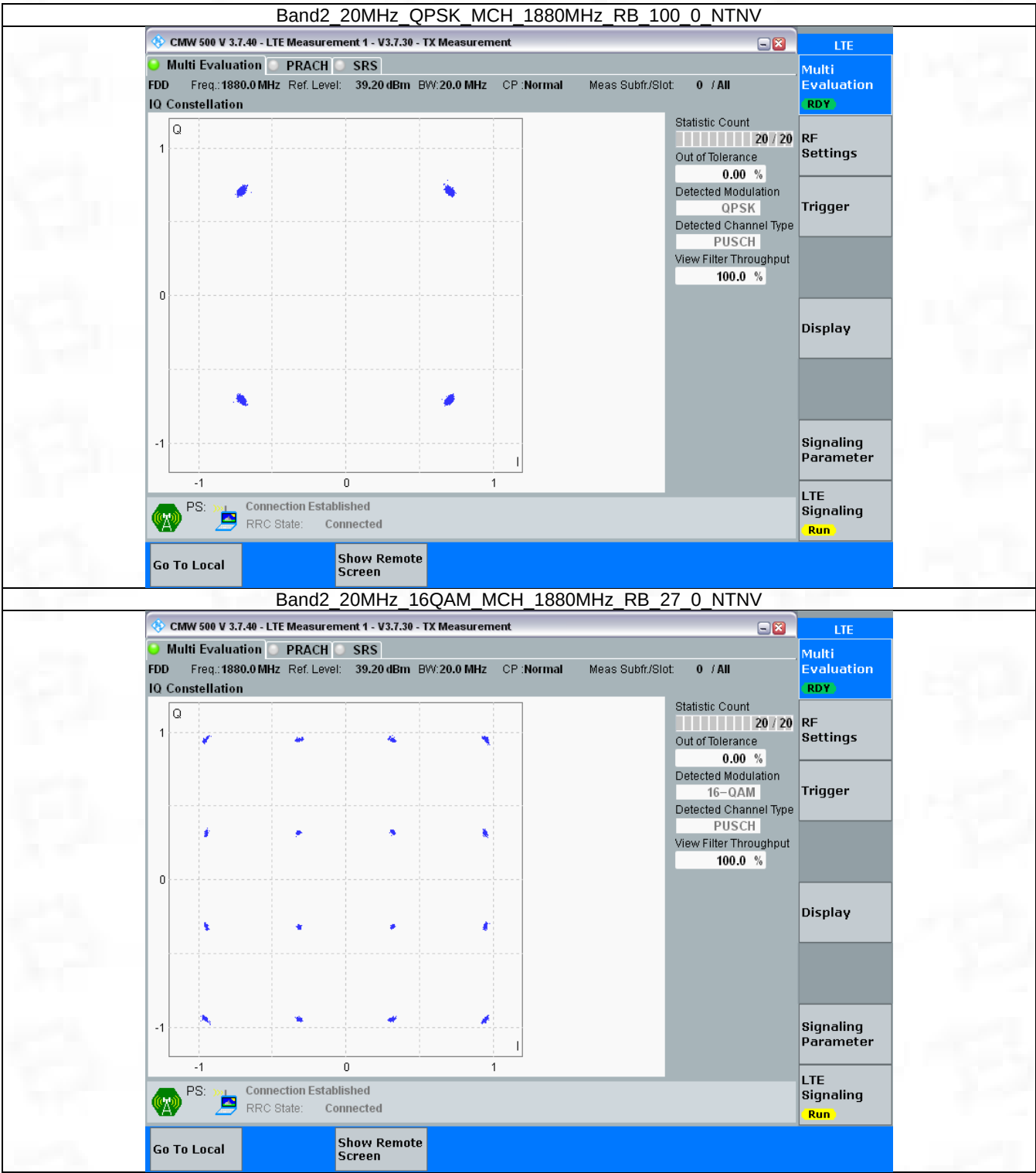
3.2.4 B2\_10MHz



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 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 1850.7          | 6             | 0      | 1.106                        | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.111                        | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.102                        | /     | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.116                        | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.109                        | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.103                        | /     | Pass    |
| 3               | QPSK       | 1851.5          | 15            | 0      | 2.748                        | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 2.758                        | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.756                        | /     | Pass    |
|                 | 16QAM      | 1851.5          | 15            | 0      | 2.765                        | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 2.757                        | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.750                        | /     | Pass    |
| 5               | QPSK       | 1852.5          | 25            | 0      | 4.531                        | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 4.546                        | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.555                        | /     | Pass    |
|                 | 16QAM      | 1852.5          | 25            | 0      | 4.536                        | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 4.540                        | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.550                        | /     | Pass    |
| 10              | QPSK       | 1855            | 50            | 0      | 9.061                        | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.088                        | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 9.050                        | /     | Pass    |
|                 | 16QAM      | 1855            | 27            | 0      | 5.062                        | /     | Pass    |
|                 |            | 1880            | 27            | 0      | 5.066                        | /     | Pass    |
|                 |            | 1905            | 27            | 23     | 5.089                        | /     | Pass    |
| 15              | QPSK       | 1857.5          | 75            | 0      | 13.605                       | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 13.628                       | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.645                       | /     | Pass    |
|                 | 16QAM      | 1857.5          | 27            | 0      | 5.241                        | /     | Pass    |
|                 |            | 1880            | 27            | 0      | 5.305                        | /     | Pass    |
|                 |            | 1902.5          | 27            | 48     | 5.242                        | /     | Pass    |
| 20              | QPSK       | 1860            | 100           | 0      | 18.182                       | /     | Pass    |
|                 |            | 1880            | 100           | 0      | 18.220                       | /     | Pass    |
|                 |            | 1900            | 100           | 0      | 18.175                       | /     | Pass    |
|                 | 16QAM      | 1860            | 27            | 0      | 5.248                        | /     | Pass    |
|                 |            | 1880            | 27            | 0      | 5.150                        | /     | Pass    |
|                 |            | 1900            | 27            | 73     | 5.506                        | /     | Pass    |

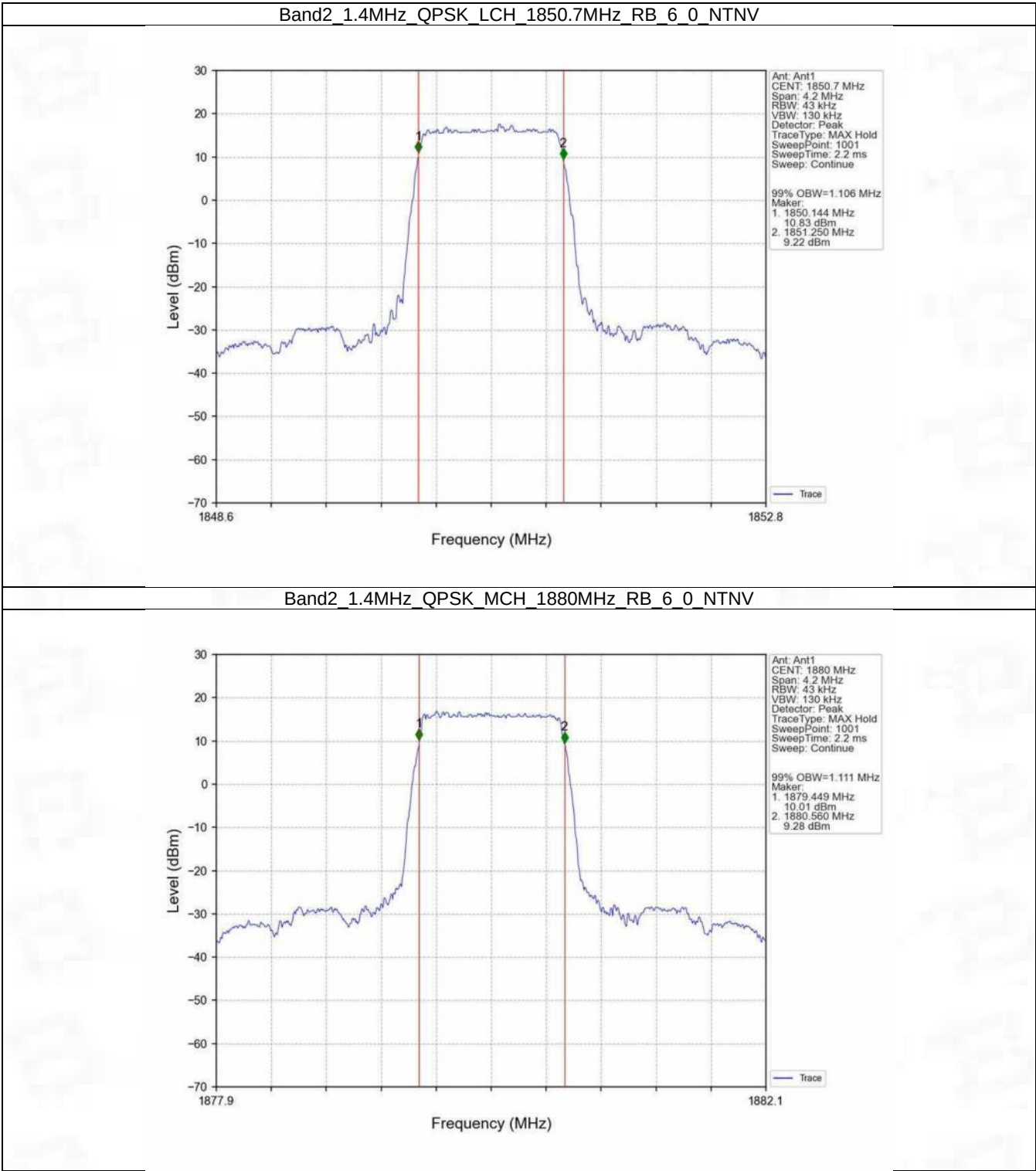
#### 4.1.2 Band2\_XDB

| Band: 2 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 1850.7          | 6             | 0      | 1.271                | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.280                | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.277                | /     | Pass    |

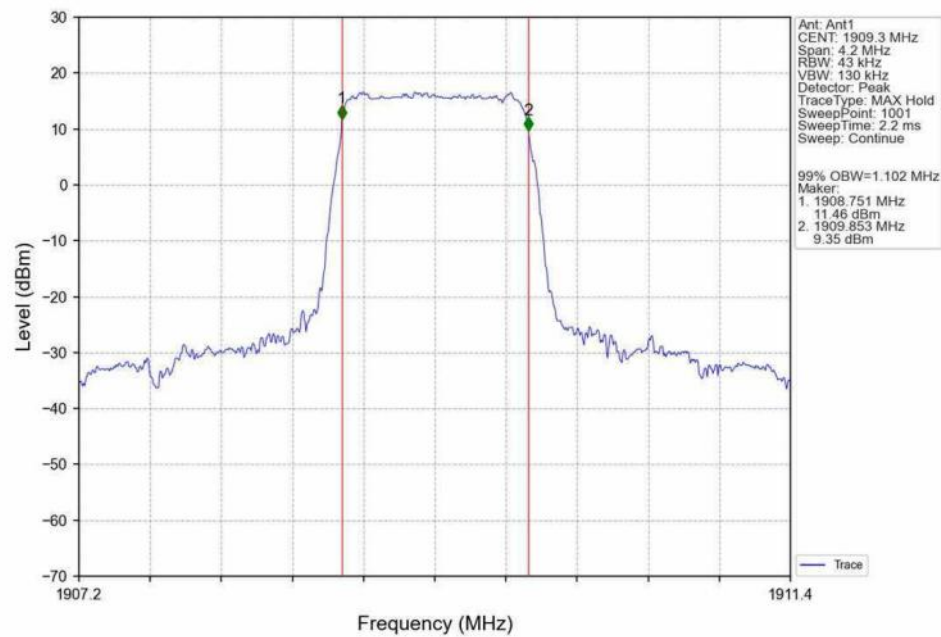
|    |       |        |     |    |        |   |      |
|----|-------|--------|-----|----|--------|---|------|
|    | 16QAM | 1850.7 | 6   | 0  | 1.274  | / | Pass |
|    |       | 1880   | 6   | 0  | 1.282  | / | Pass |
|    |       | 1909.3 | 6   | 0  | 1.275  | / | Pass |
| 3  | QPSK  | 1851.5 | 15  | 0  | 3.105  | / | Pass |
|    |       | 1880   | 15  | 0  | 3.103  | / | Pass |
|    |       | 1908.5 | 15  | 0  | 3.089  | / | Pass |
|    | 16QAM | 1851.5 | 15  | 0  | 3.099  | / | Pass |
|    |       | 1880   | 15  | 0  | 3.114  | / | Pass |
|    |       | 1908.5 | 15  | 0  | 3.098  | / | Pass |
| 5  | QPSK  | 1852.5 | 25  | 0  | 5.048  | / | Pass |
|    |       | 1880   | 25  | 0  | 5.057  | / | Pass |
|    |       | 1907.5 | 25  | 0  | 5.073  | / | Pass |
|    | 16QAM | 1852.5 | 25  | 0  | 5.069  | / | Pass |
|    |       | 1880   | 25  | 0  | 5.067  | / | Pass |
|    |       | 1907.5 | 25  | 0  | 5.050  | / | Pass |
| 10 | QPSK  | 1855   | 50  | 0  | 10.072 | / | Pass |
|    |       | 1880   | 50  | 0  | 10.013 | / | Pass |
|    |       | 1905   | 50  | 0  | 10.040 | / | Pass |
|    | 16QAM | 1855   | 27  | 0  | 7.030  | / | Pass |
|    |       | 1880   | 27  | 0  | 7.033  | / | Pass |
|    |       | 1905   | 27  | 23 | 7.491  | / | Pass |
| 15 | QPSK  | 1857.5 | 75  | 0  | 15.160 | / | Pass |
|    |       | 1880   | 75  | 0  | 15.181 | / | Pass |
|    |       | 1902.5 | 75  | 0  | 15.054 | / | Pass |
|    | 16QAM | 1857.5 | 27  | 0  | 6.106  | / | Pass |
|    |       | 1880   | 27  | 0  | 6.512  | / | Pass |
|    |       | 1902.5 | 27  | 48 | 6.193  | / | Pass |
| 20 | QPSK  | 1860   | 100 | 0  | 19.968 | / | Pass |
|    |       | 1880   | 100 | 0  | 20.274 | / | Pass |
|    |       | 1900   | 100 | 0  | 19.994 | / | Pass |
|    | 16QAM | 1860   | 27  | 0  | 7.470  | / | Pass |
|    |       | 1880   | 27  | 0  | 7.912  | / | Pass |
|    |       | 1900   | 27  | 73 | 7.926  | / | Pass |

4.2 Test Graph

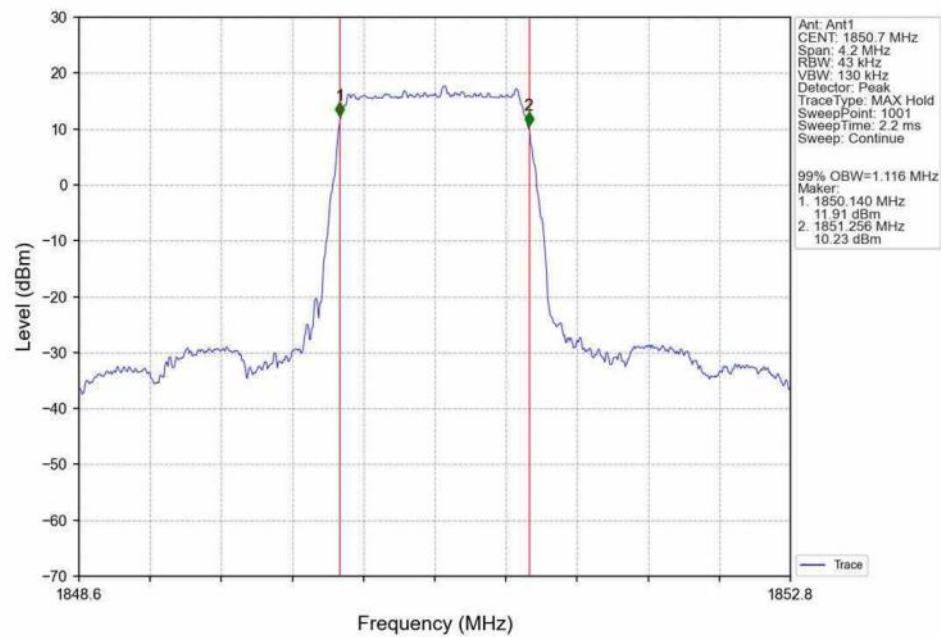
4.2.1 Band2\_OBW



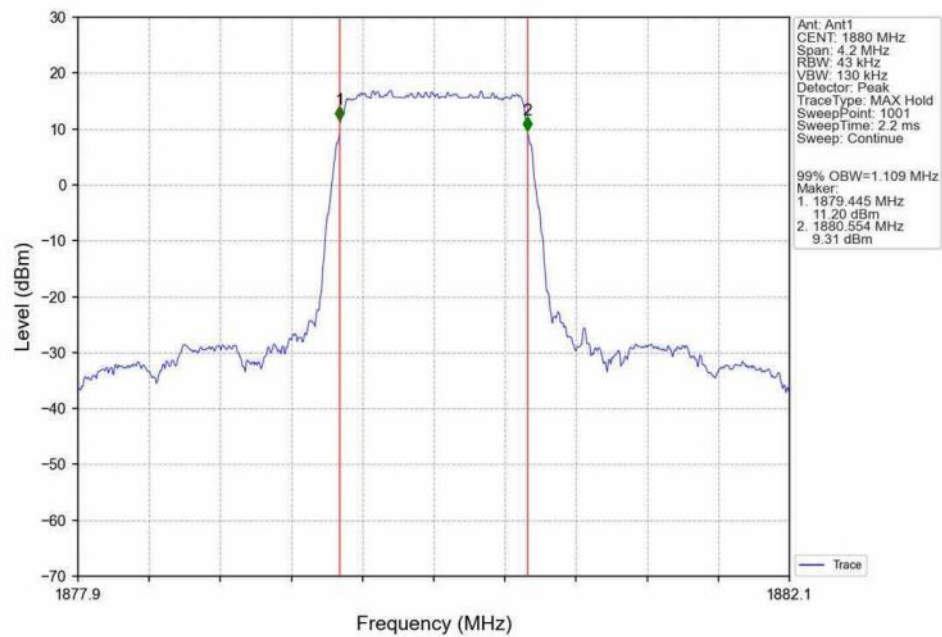
Band2 1.4MHz QPSK HCH 1909.3MHz RB 6 0 NTV



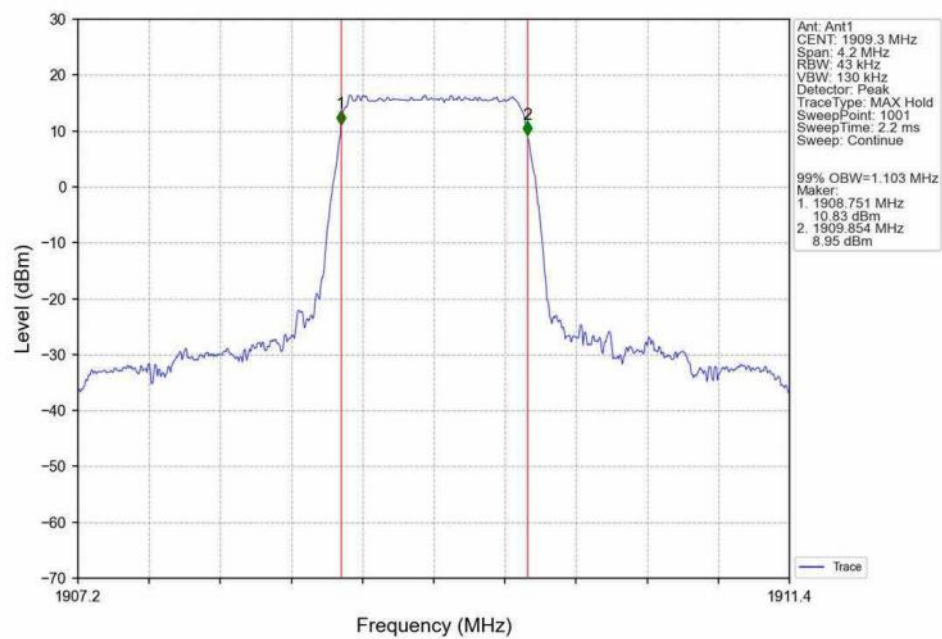
Band2 1.4MHz 16QAM LCH 1850.7MHz RB 6 0 NTV



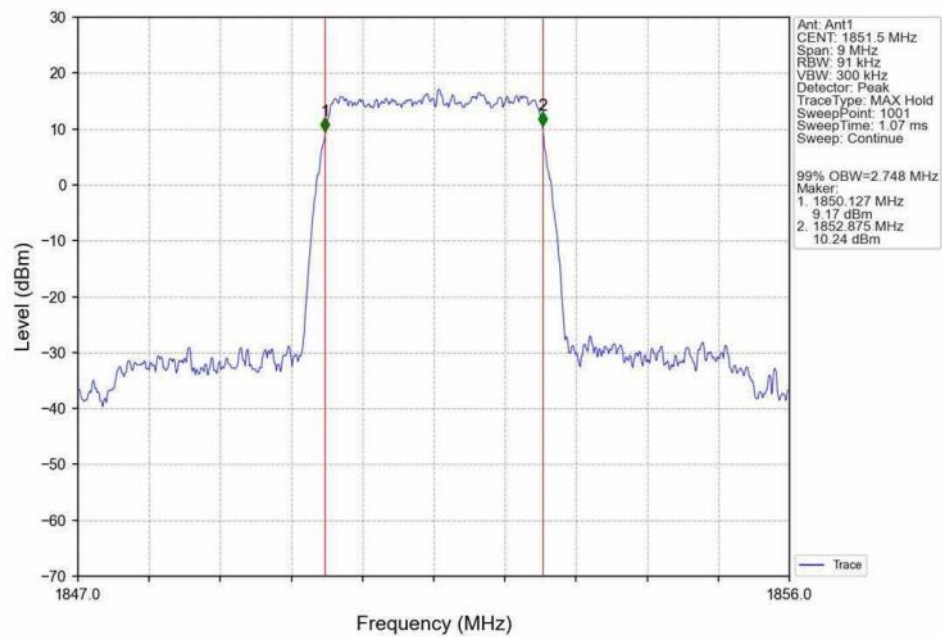
Band2 1.4MHz 16QAM MCH 1880MHz RB 6 0 NTV



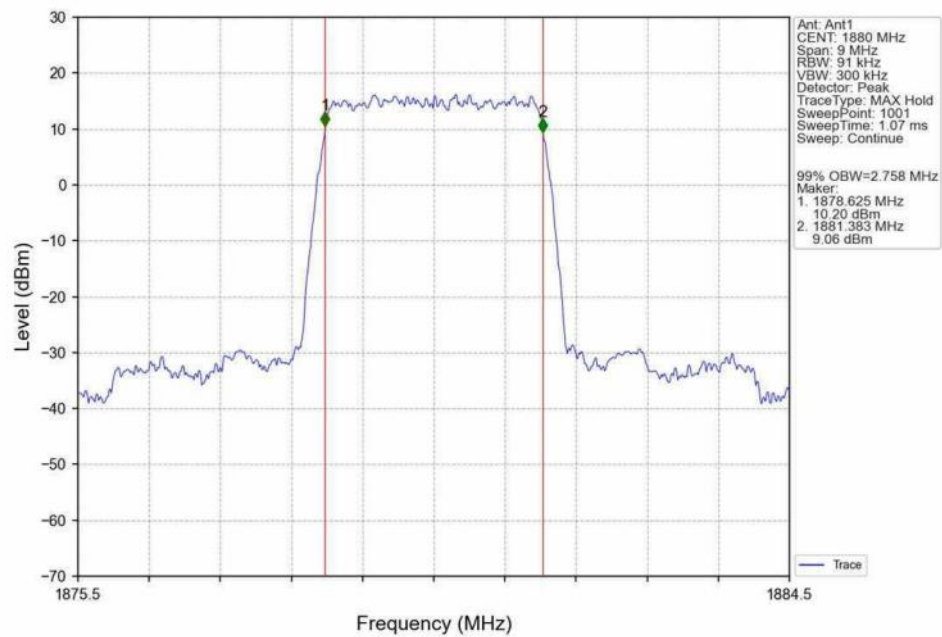
Band2 1.4MHz 16QAM HCH 1909.3MHz RB 6 0 NTV



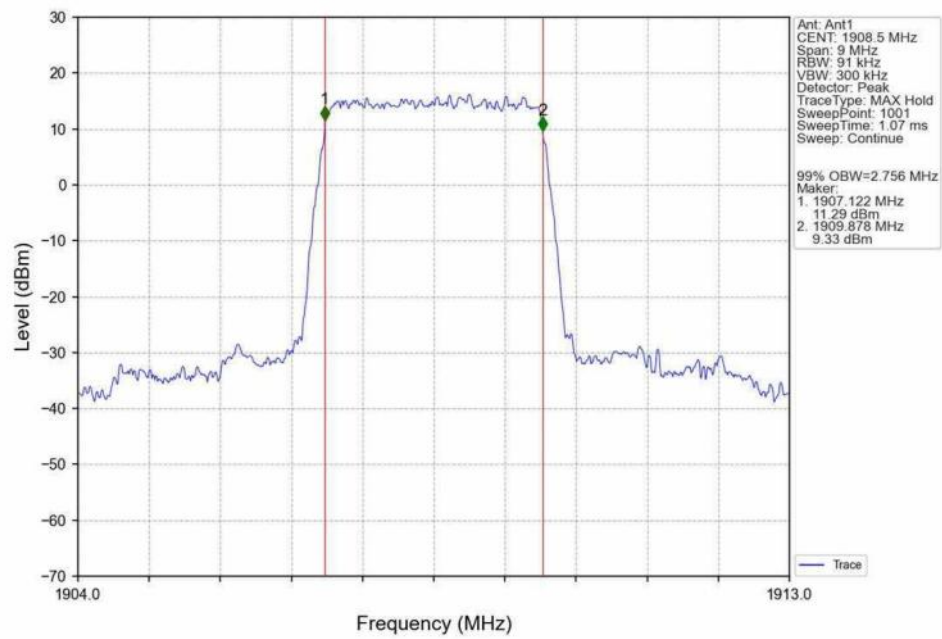
Band2 3MHz QPSK LCH 1851.5MHz RB 15 0 NTNV



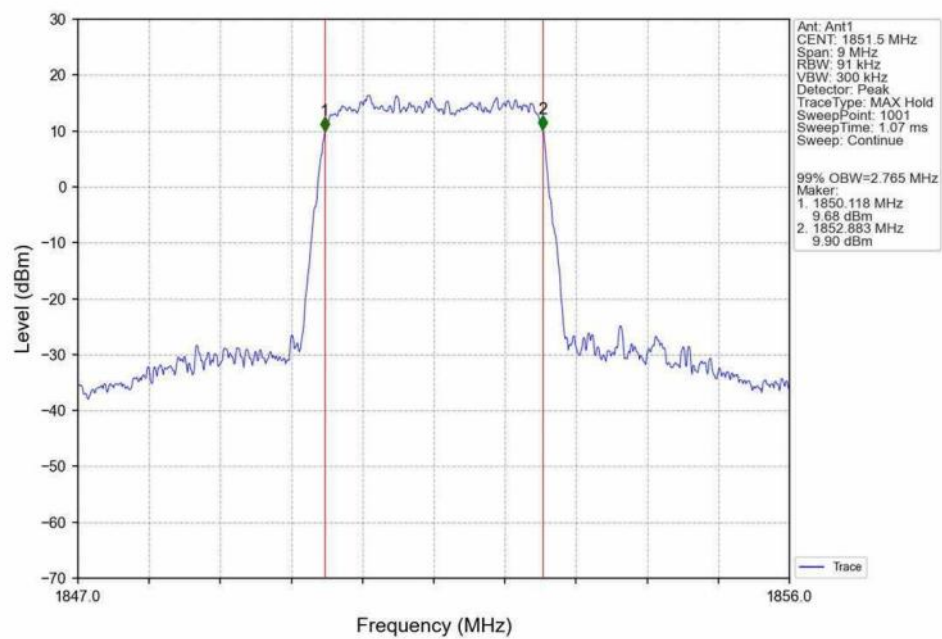
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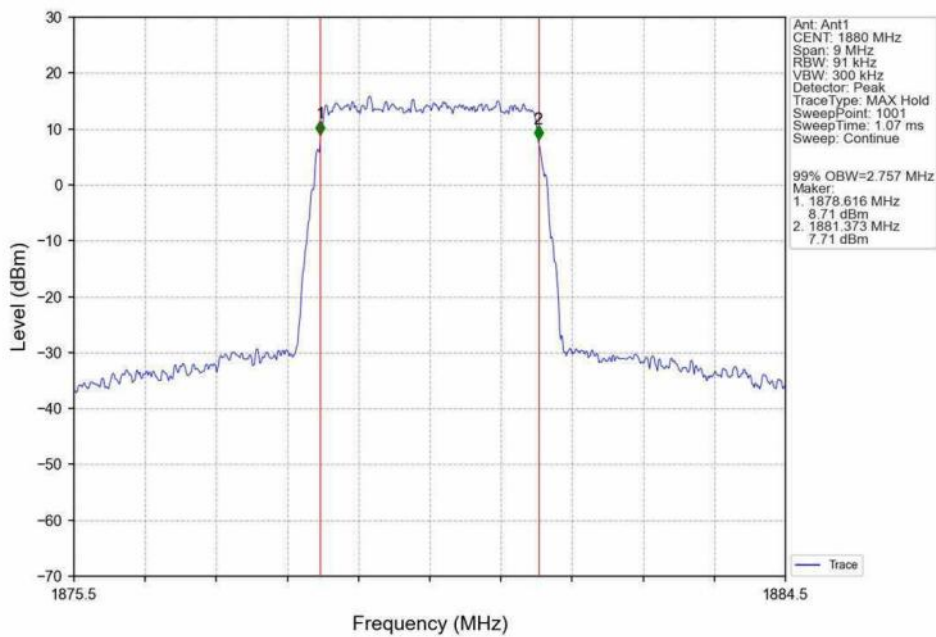
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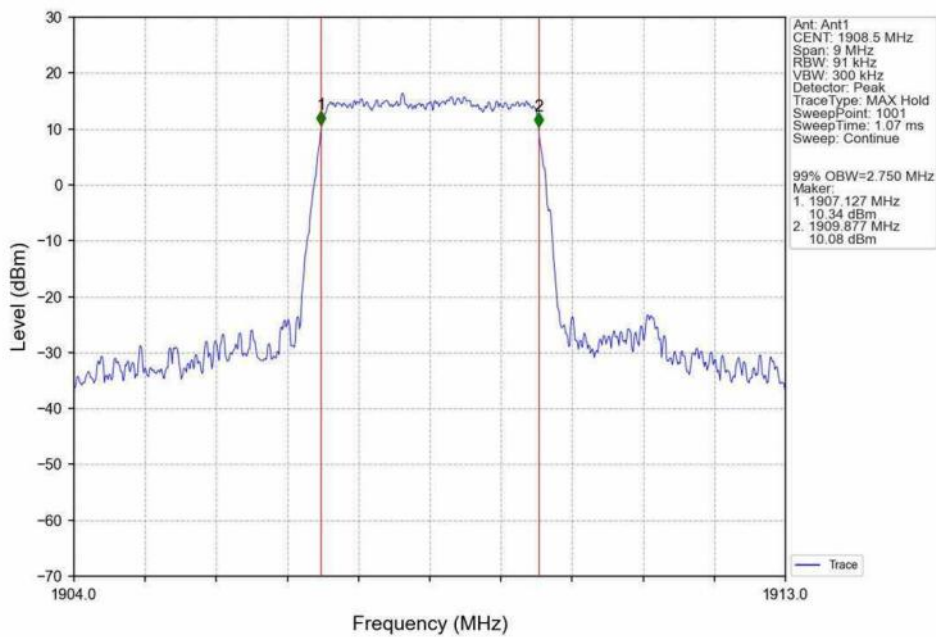
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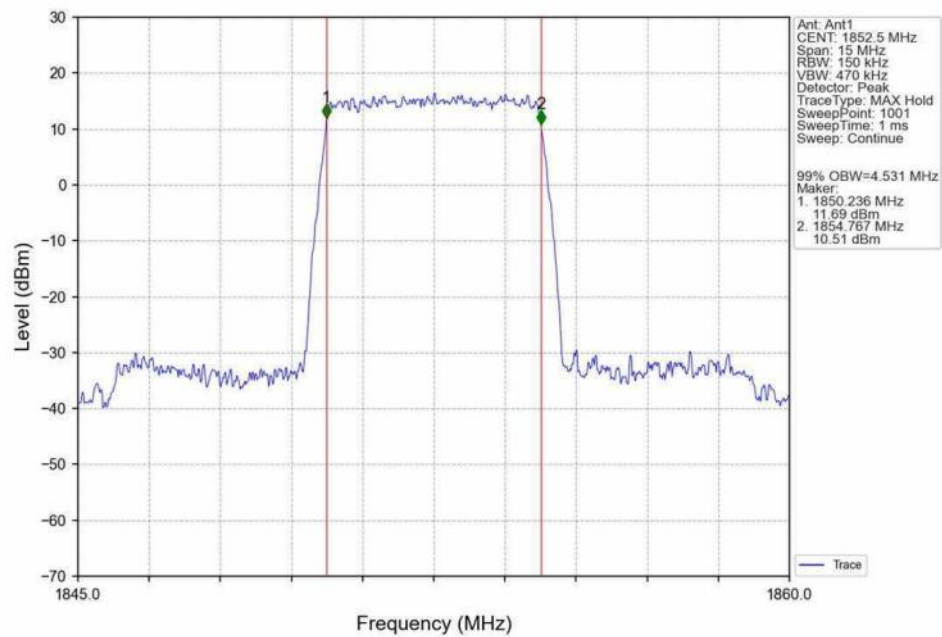
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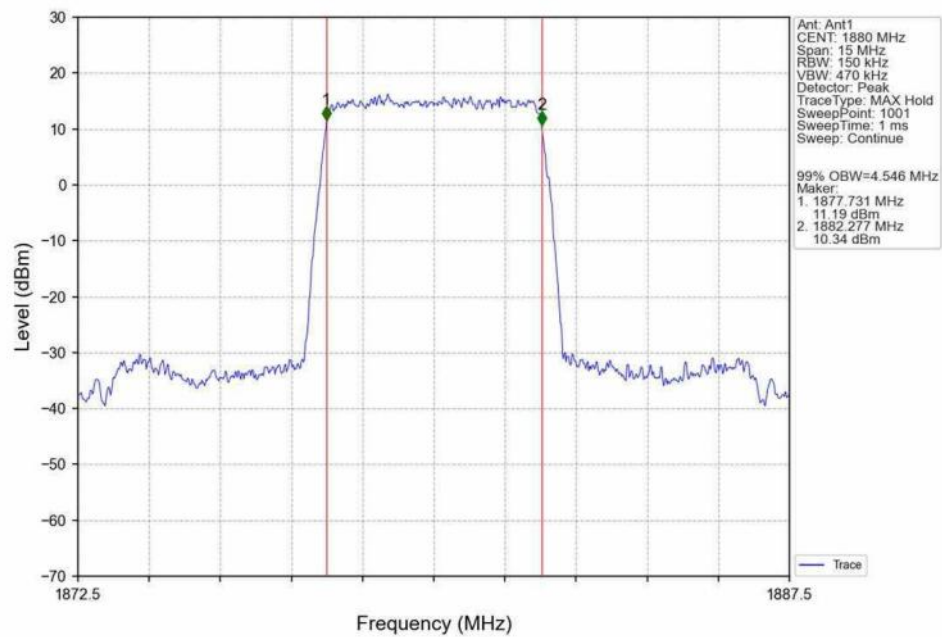
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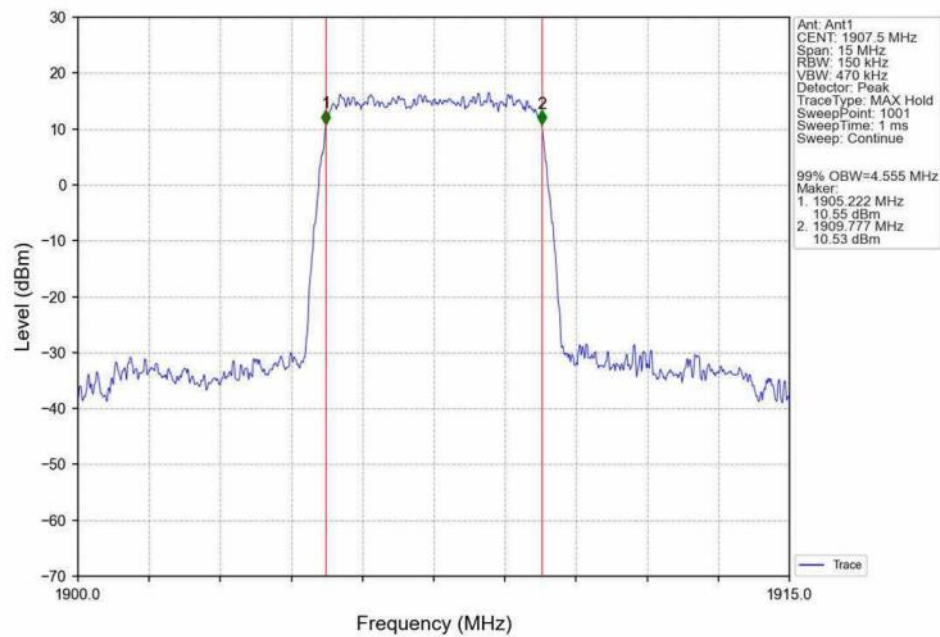
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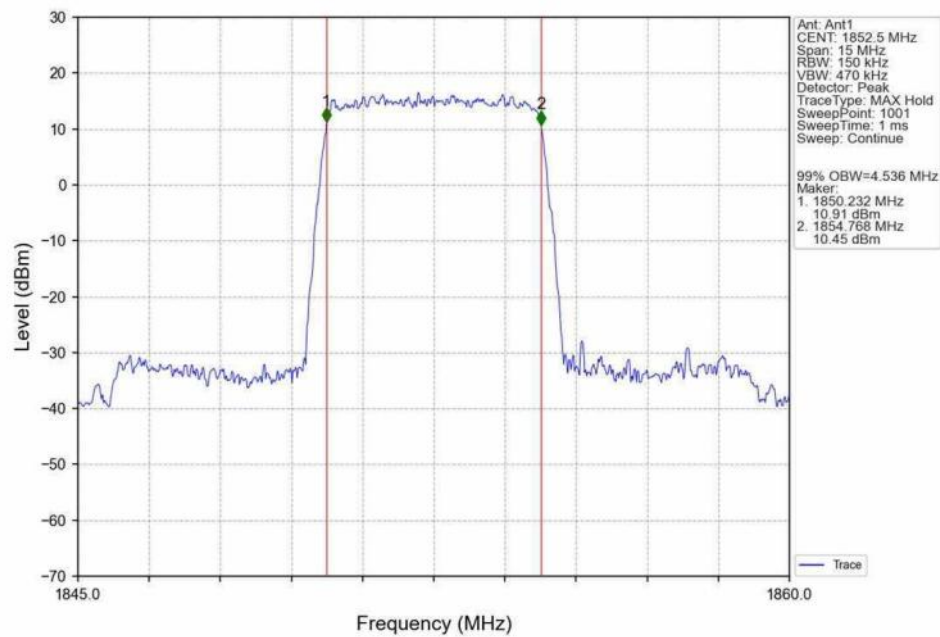
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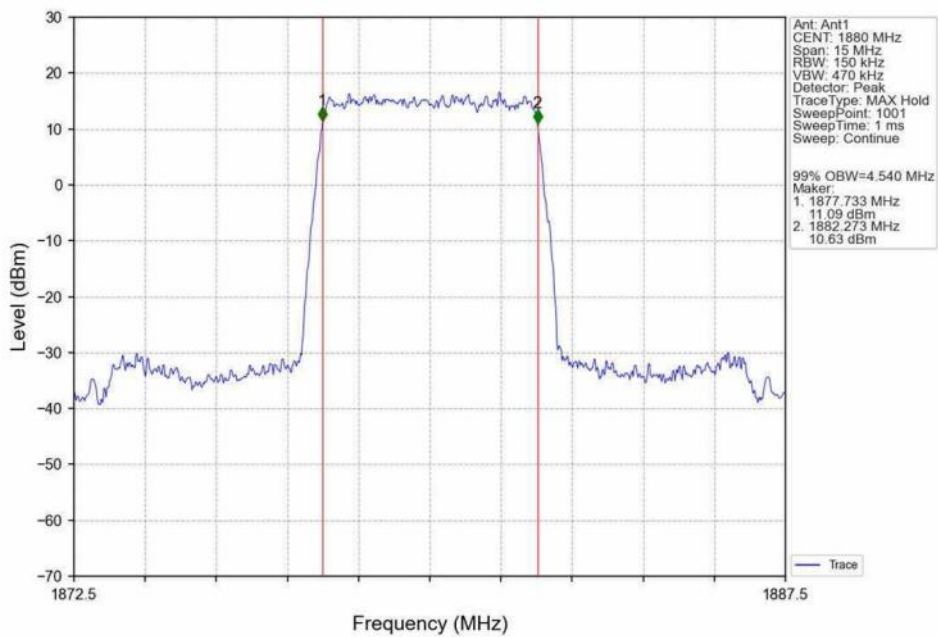
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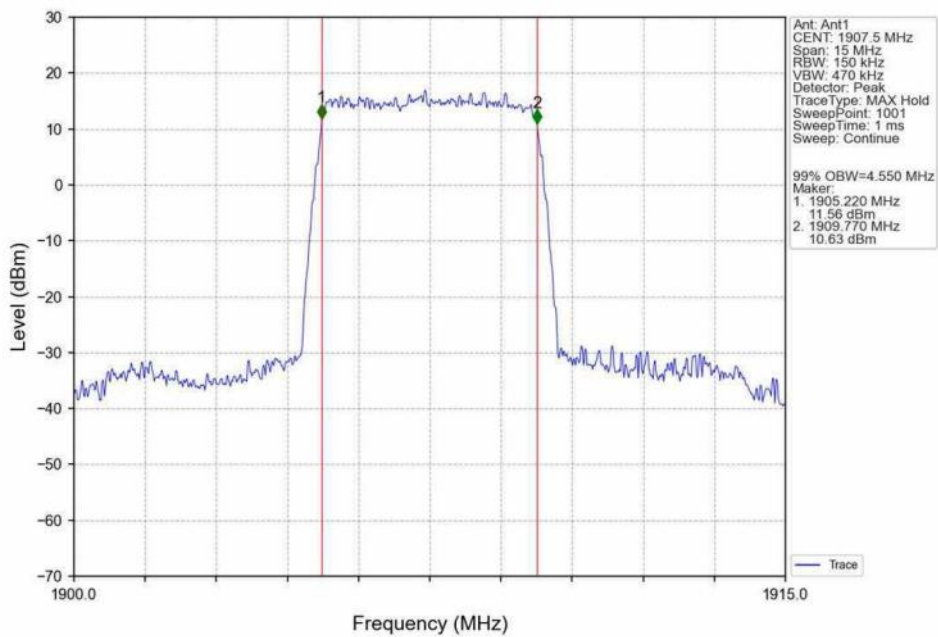
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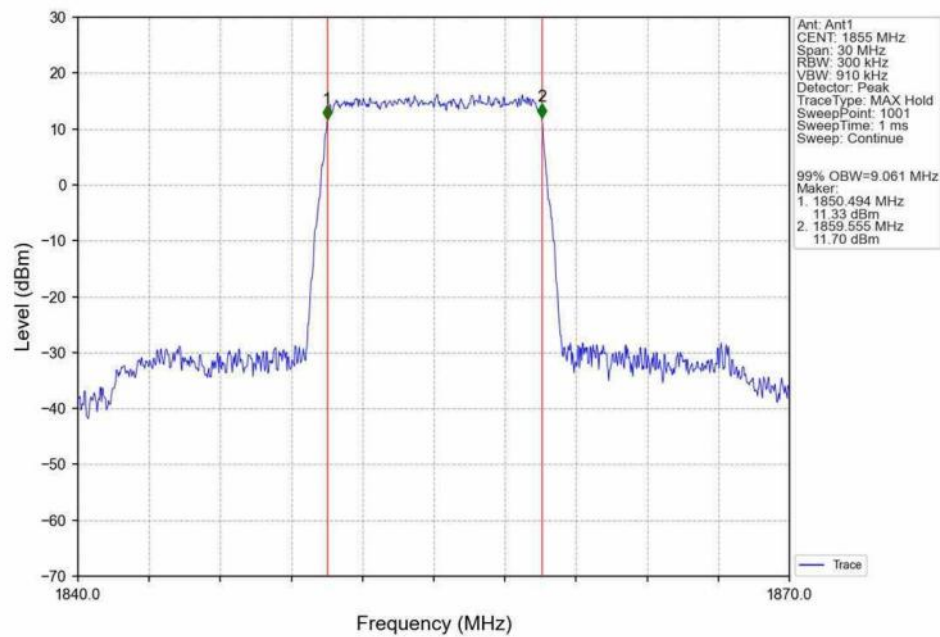
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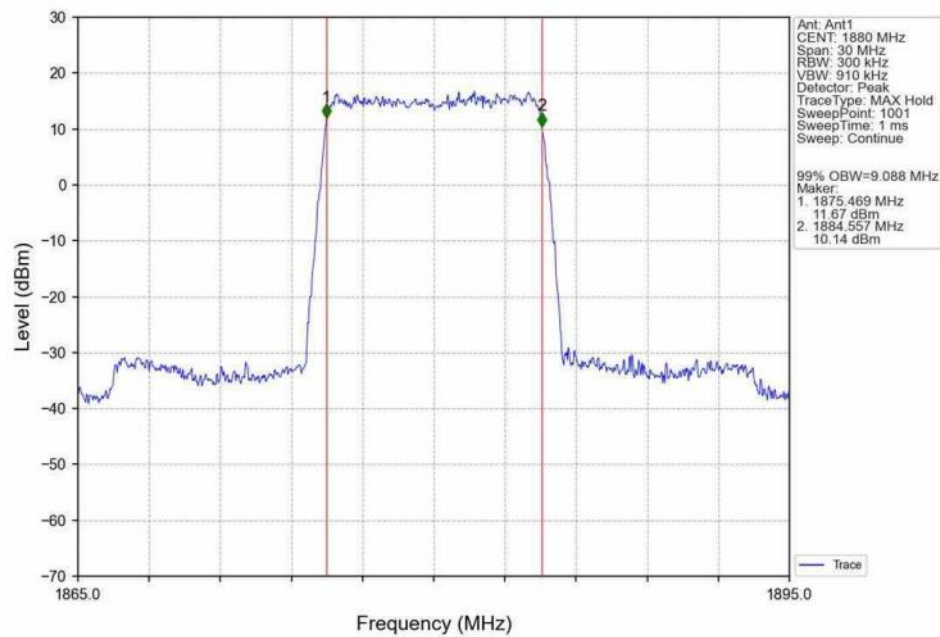
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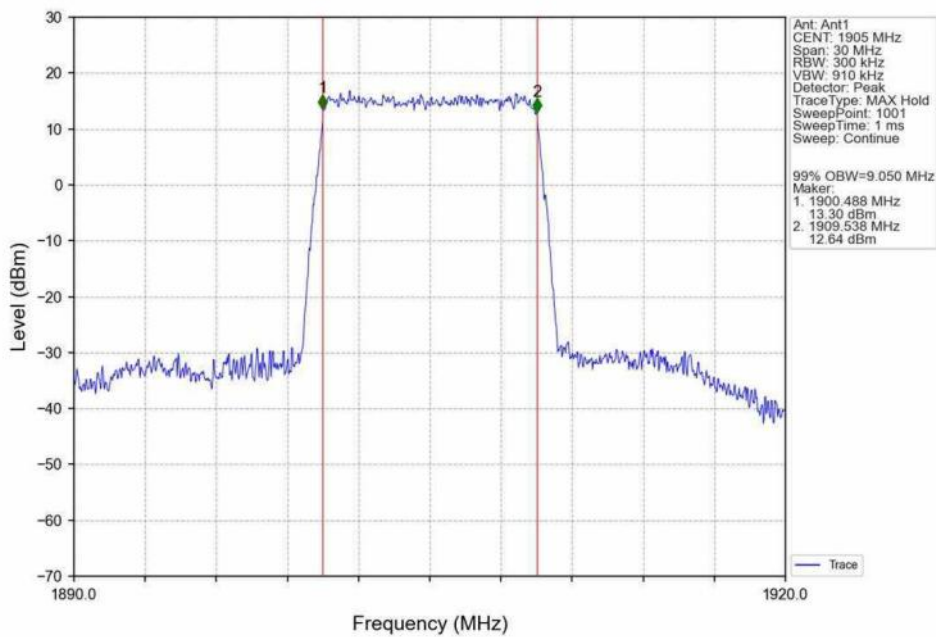
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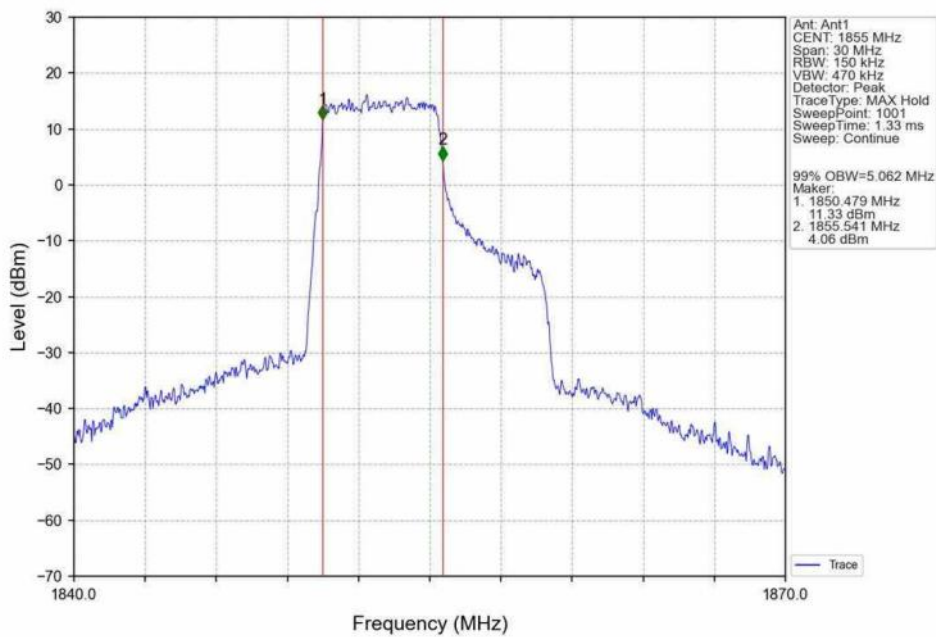
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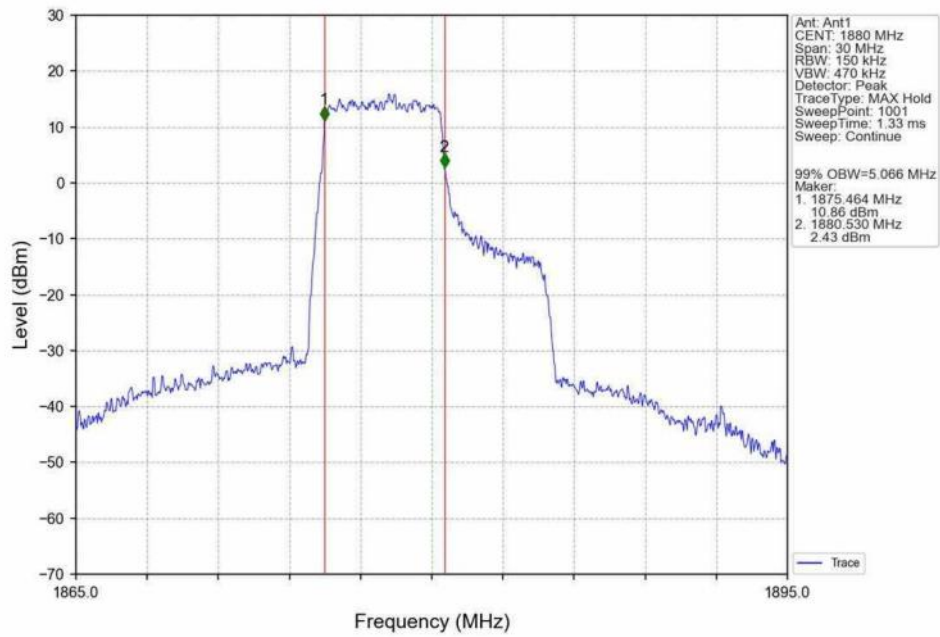
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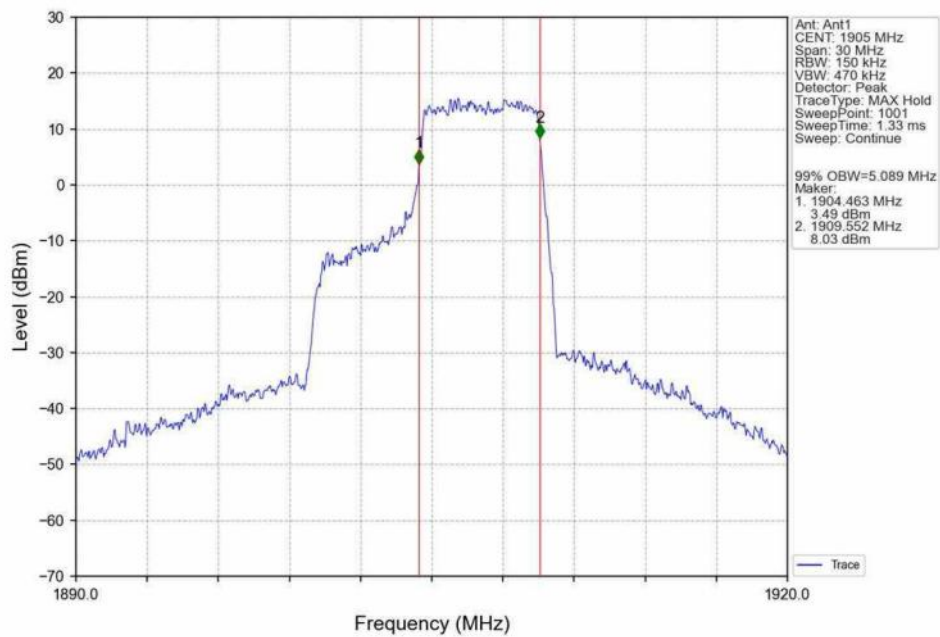
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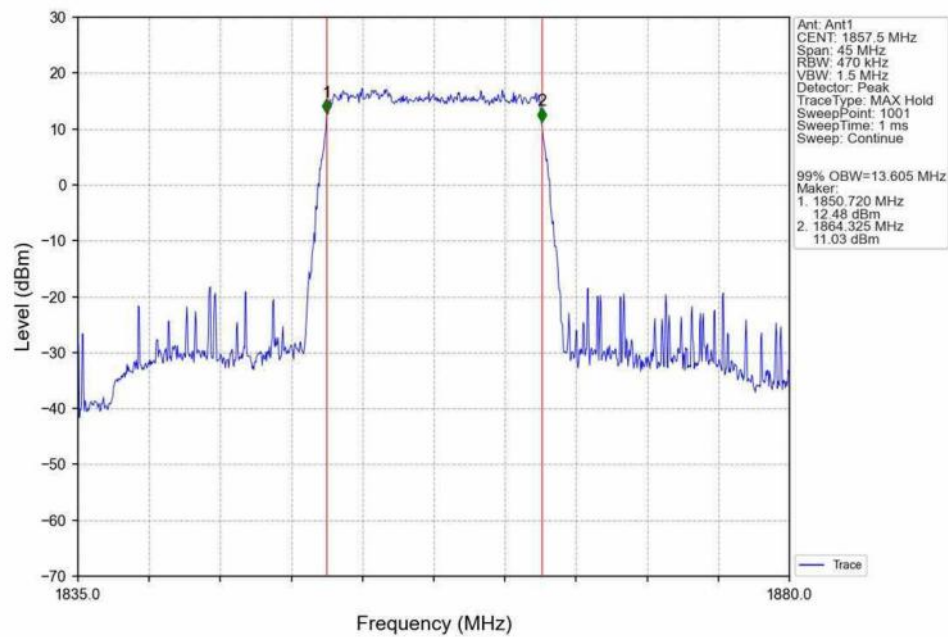
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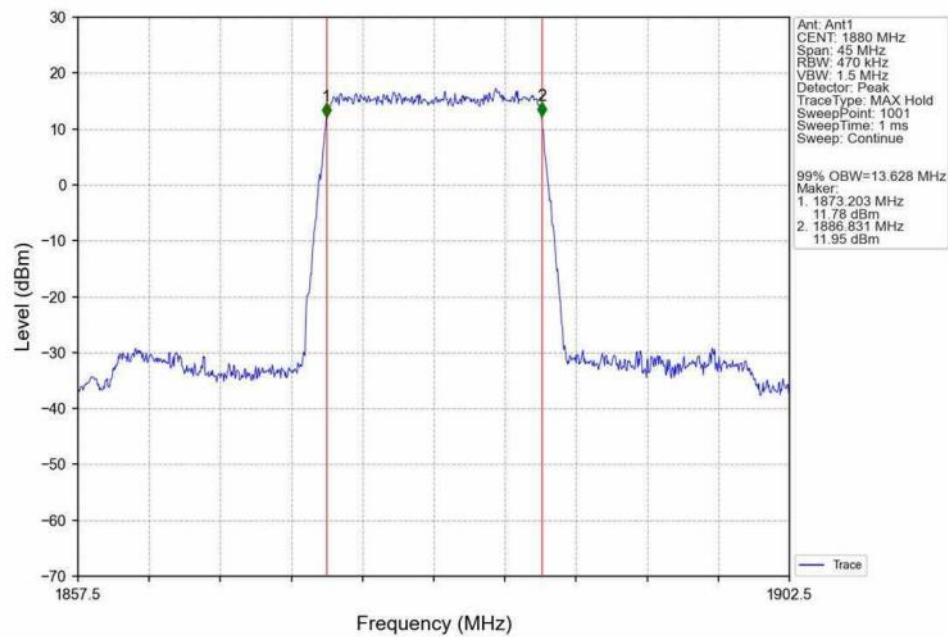
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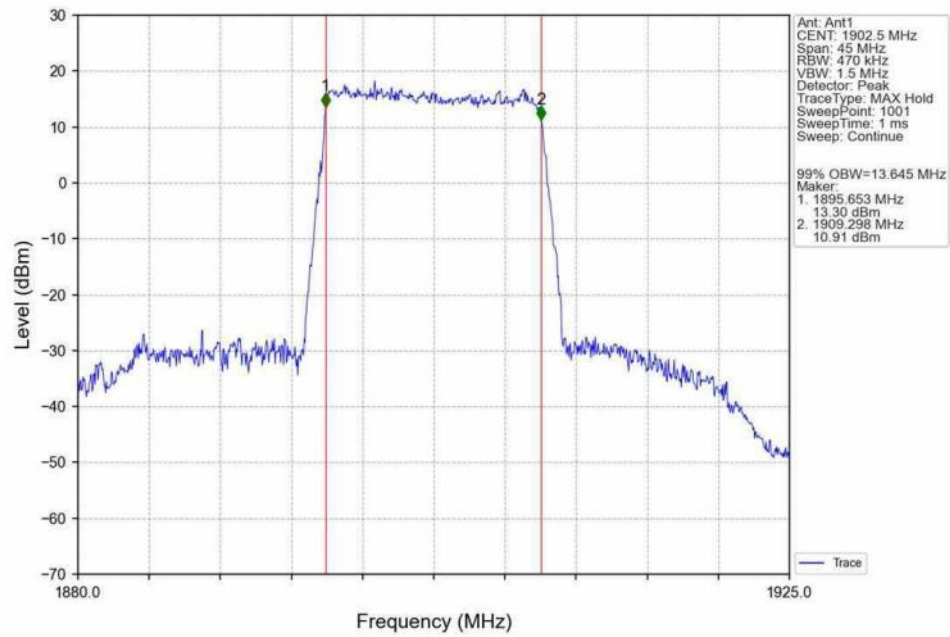
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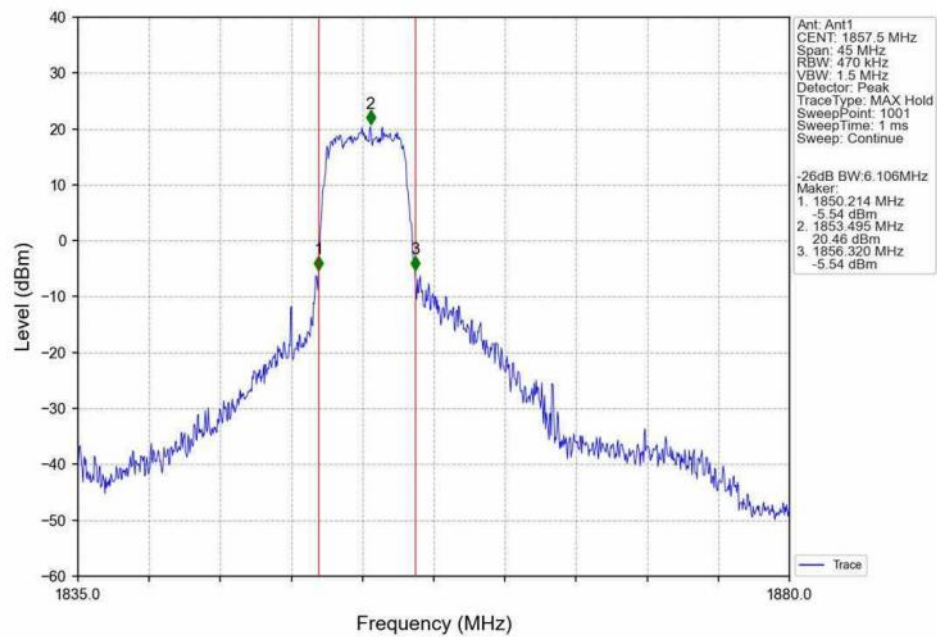
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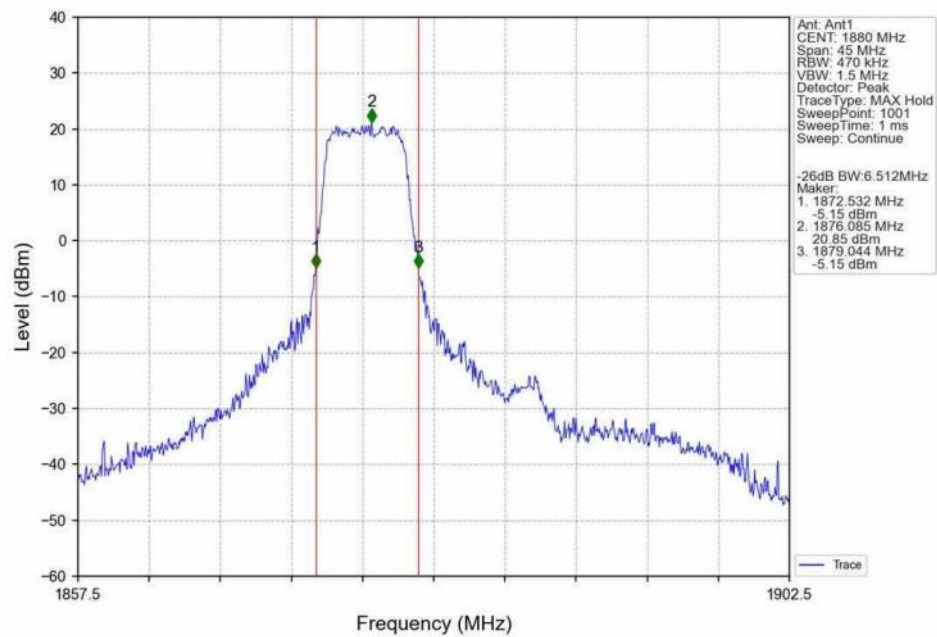
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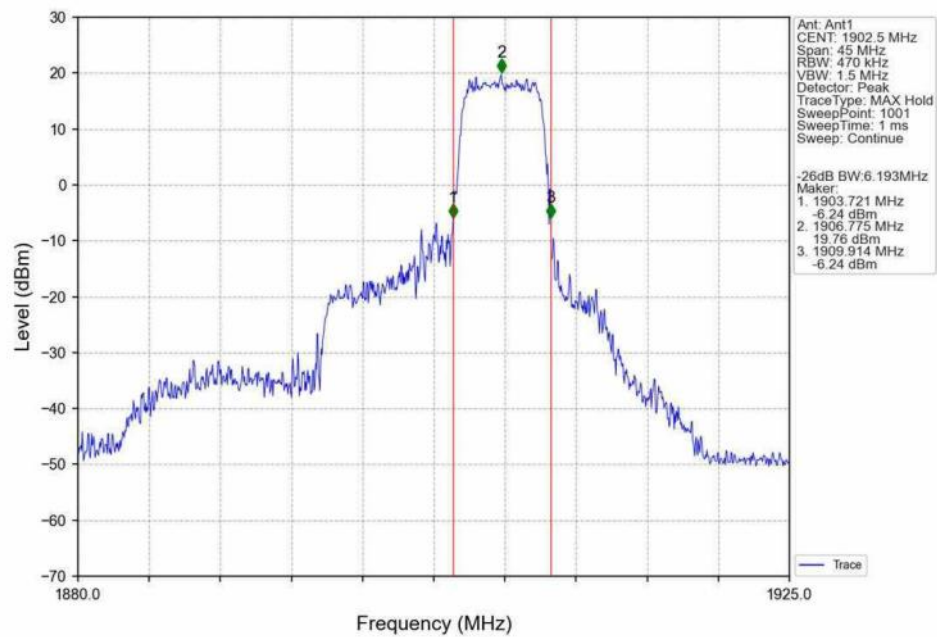
Band2 15MHz 16QAM LCH 1857.5MHz RB 27 0 NTNV



Band2 15MHz 16QAM MCH 1880MHz RB 27 0 NTNV

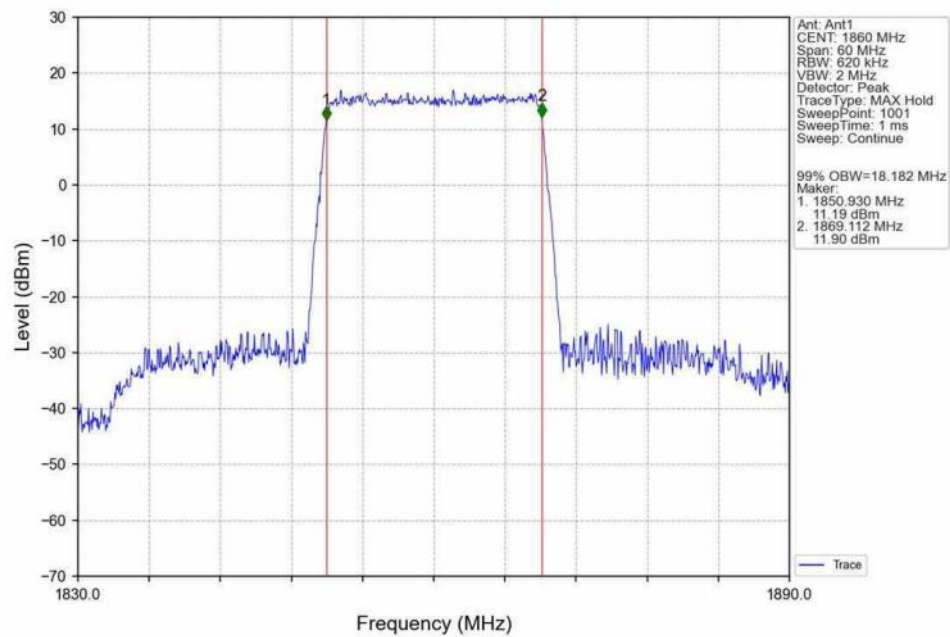


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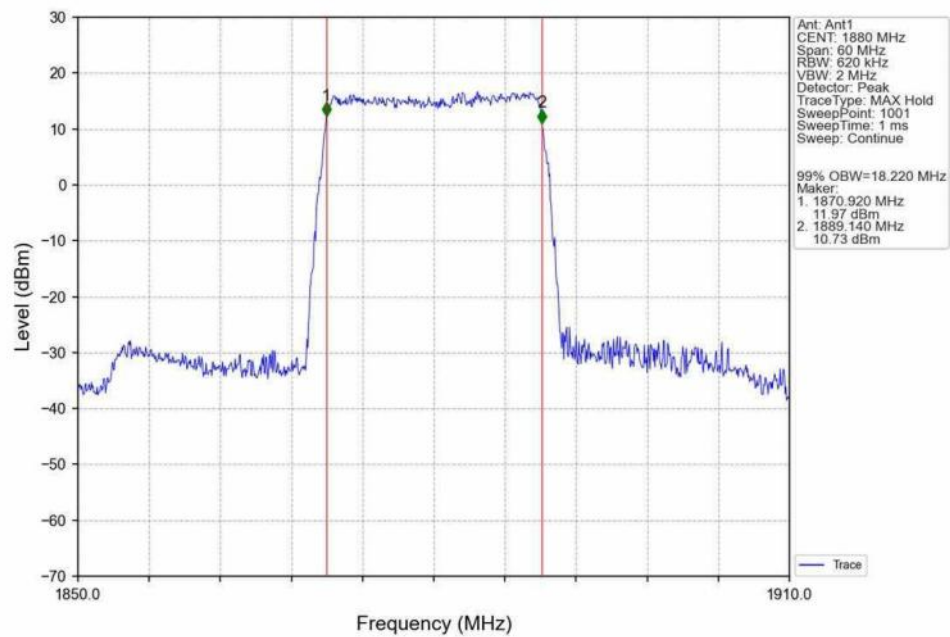




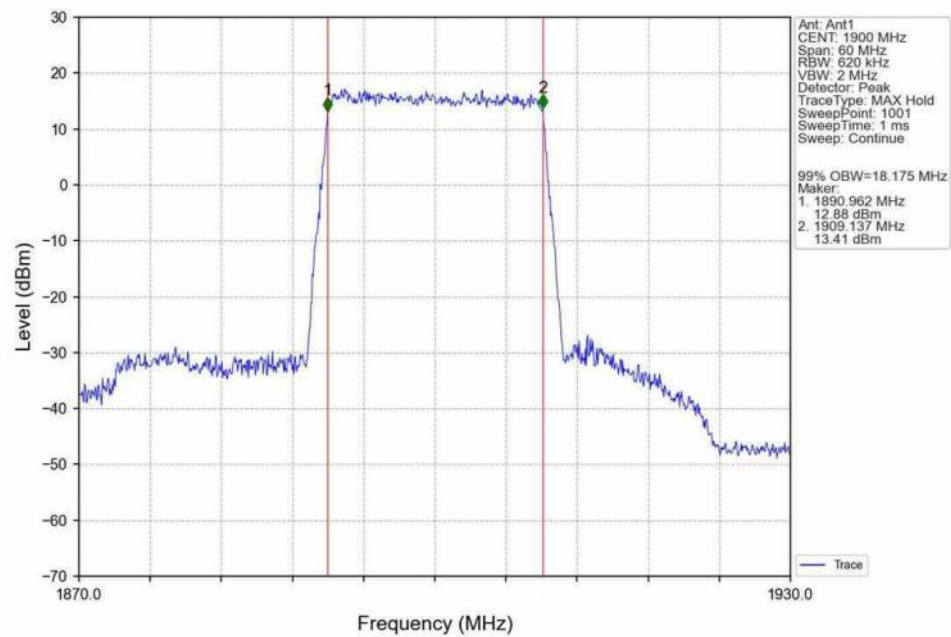
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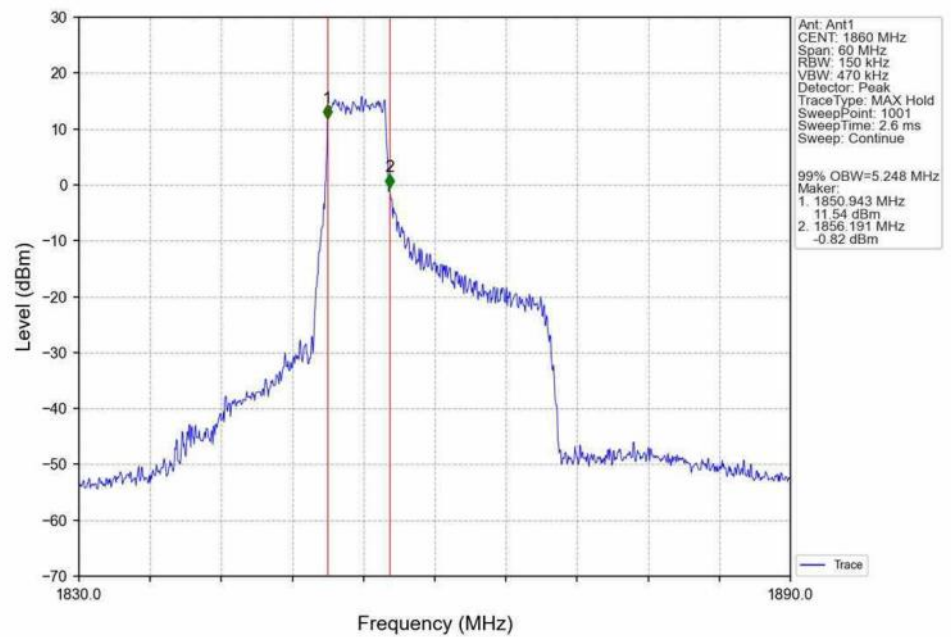
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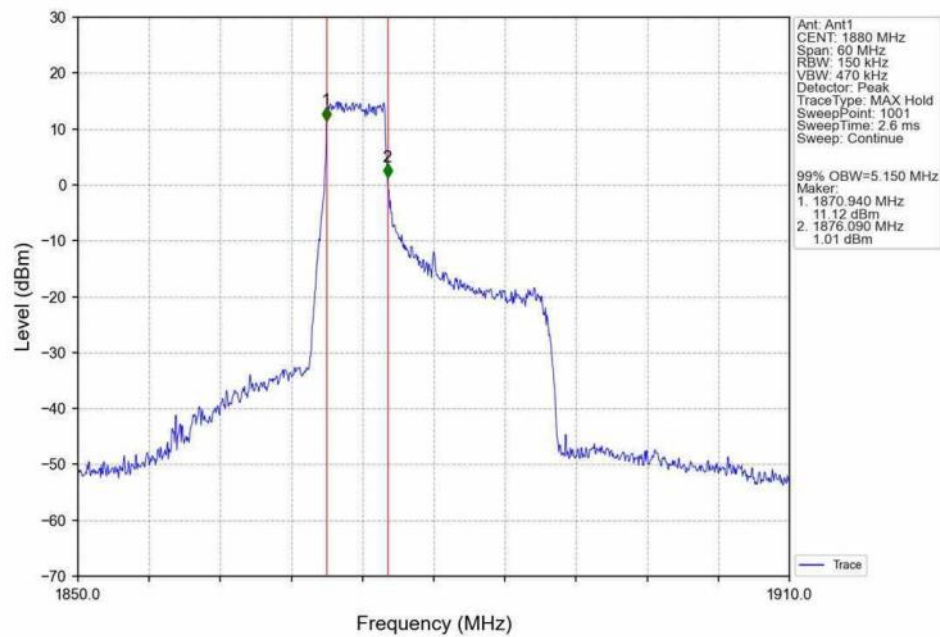
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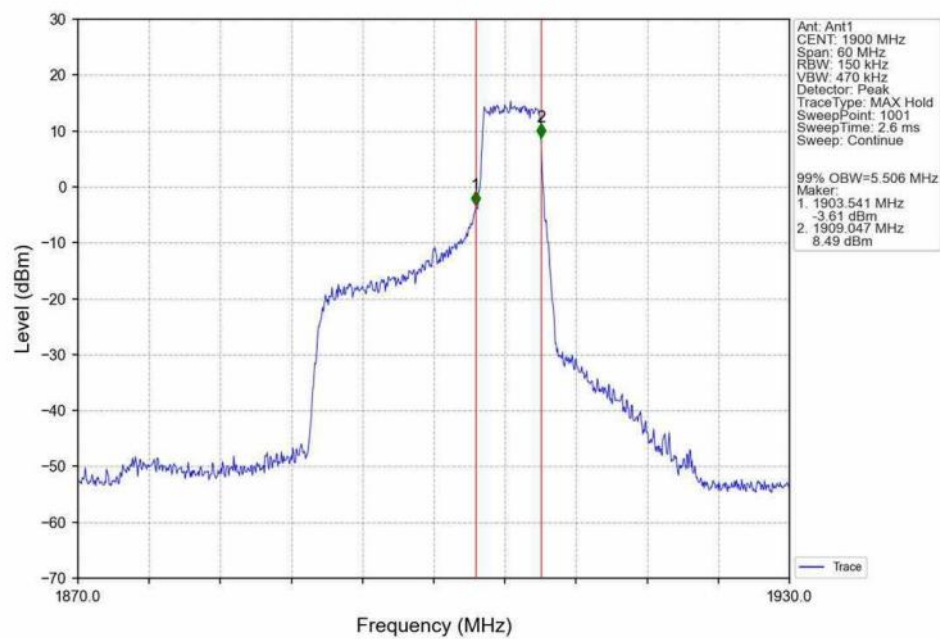
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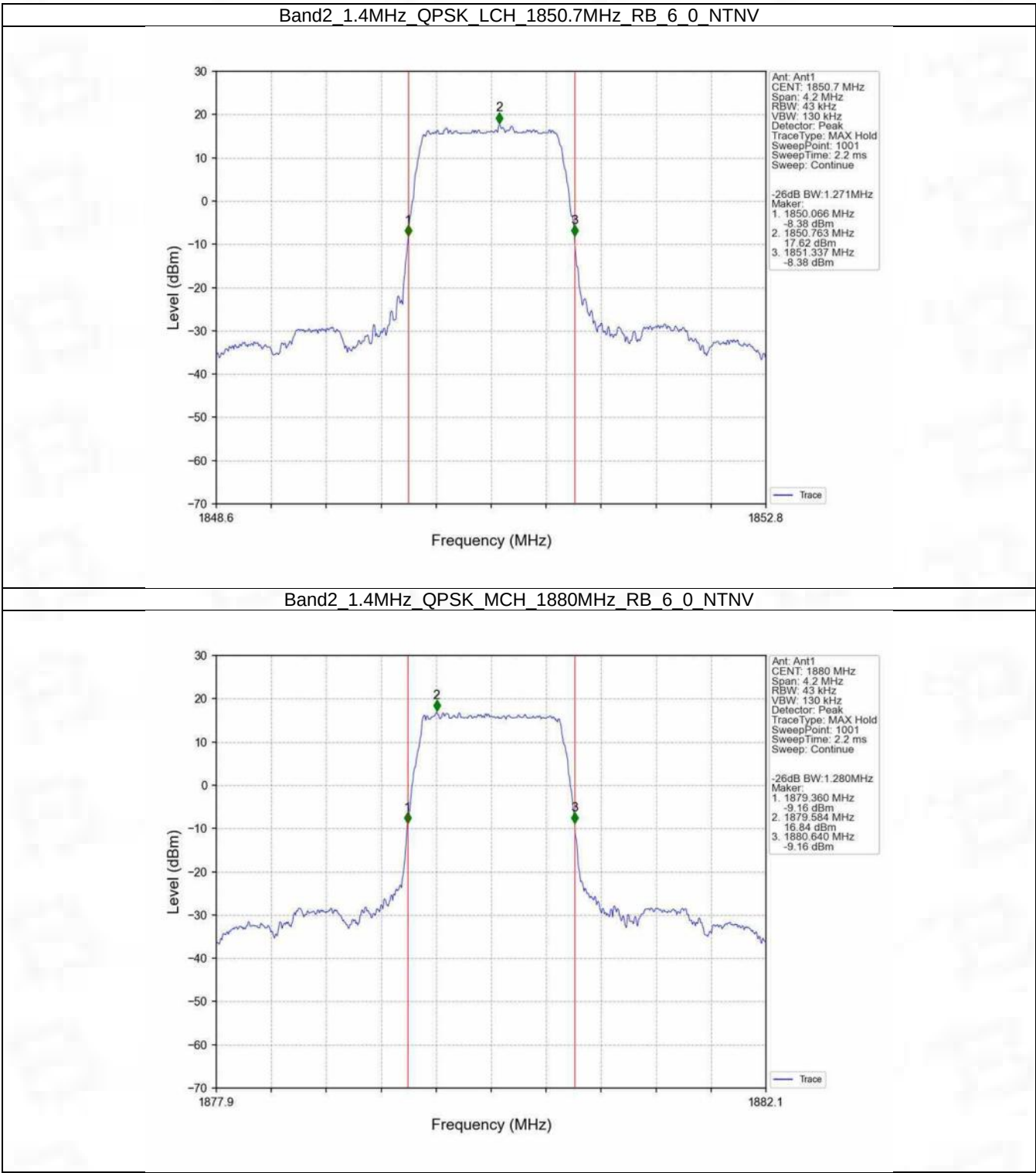
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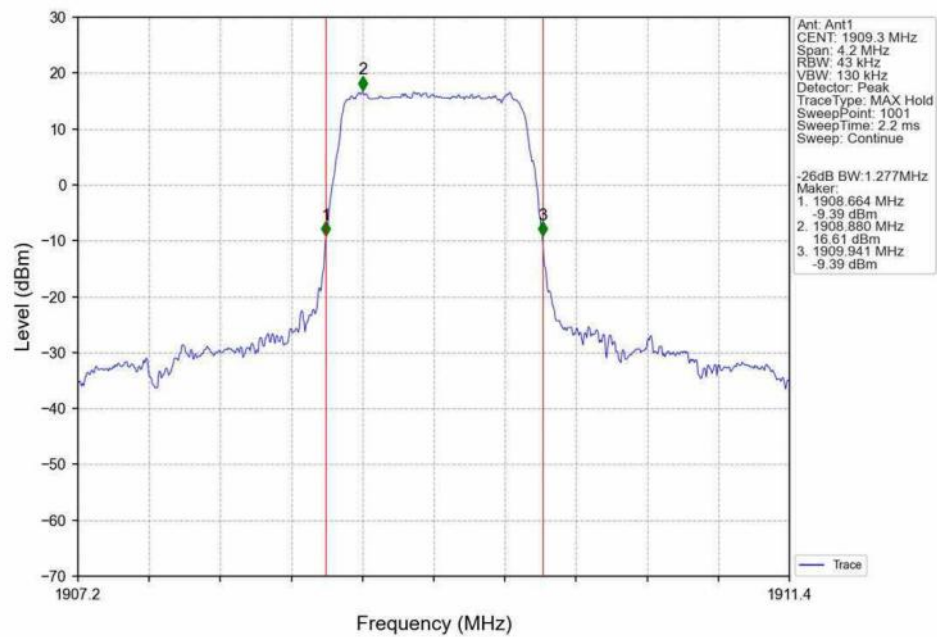
Band2 20MHz 16QAM HCH 1900MHz RB 27 73 NTNV



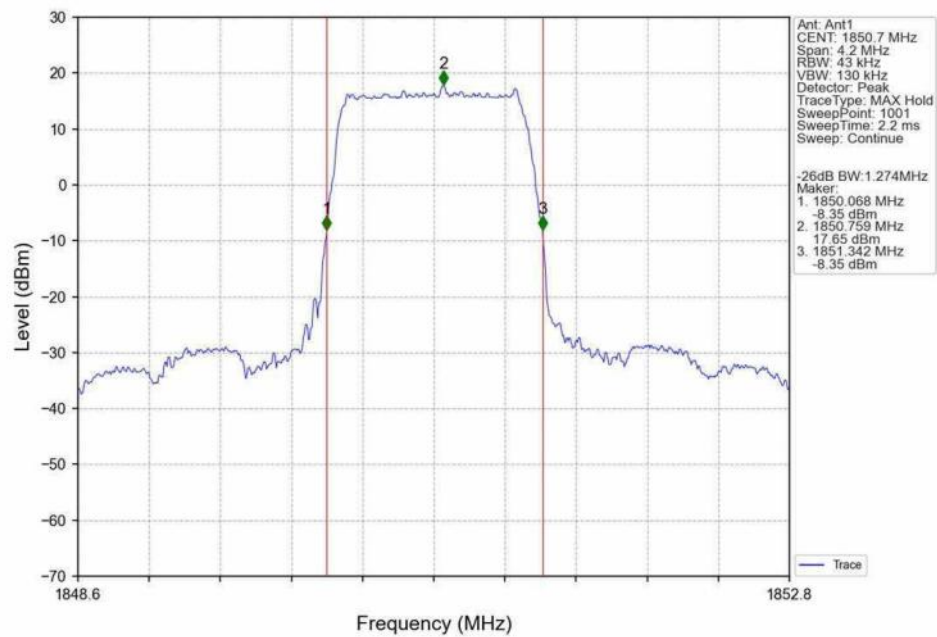
4.2.2 Band2\_XDB



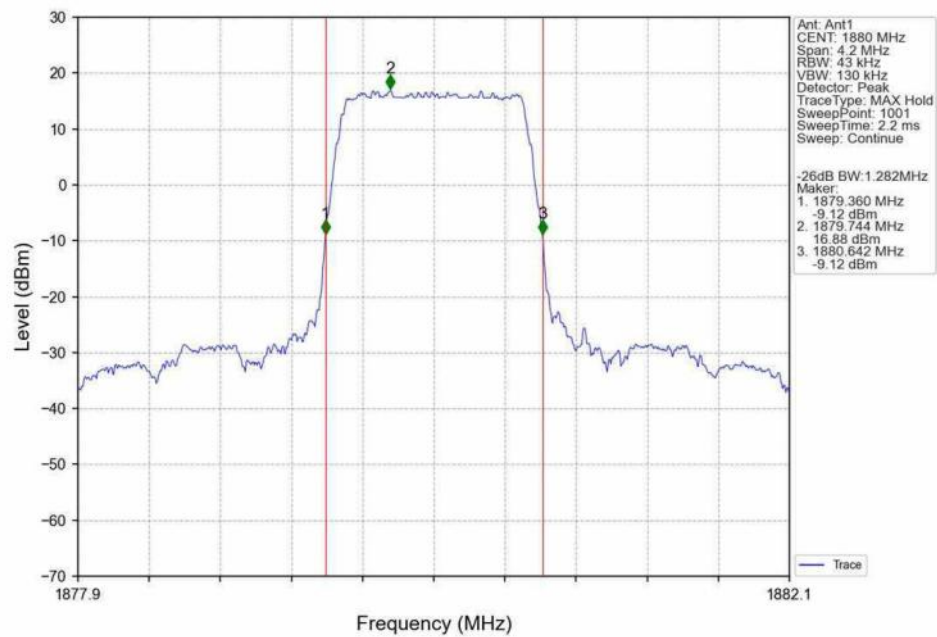
Band2 1.4MHz QPSK HCH 1909.3MHz RB 6 0 NTNV



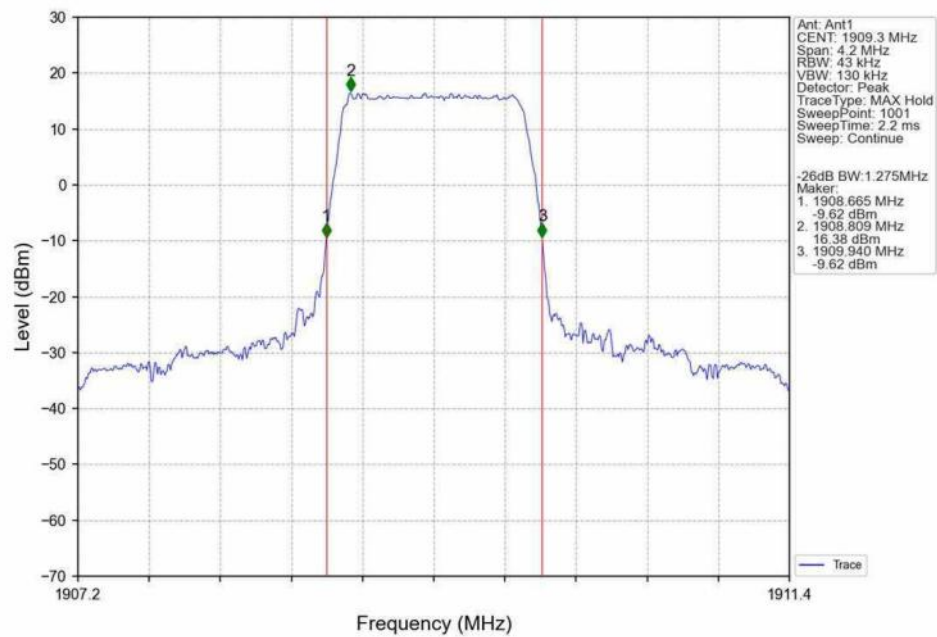
Band2 1.4MHz 16QAM LCH 1850.7MHz RB 6 0 NTNV



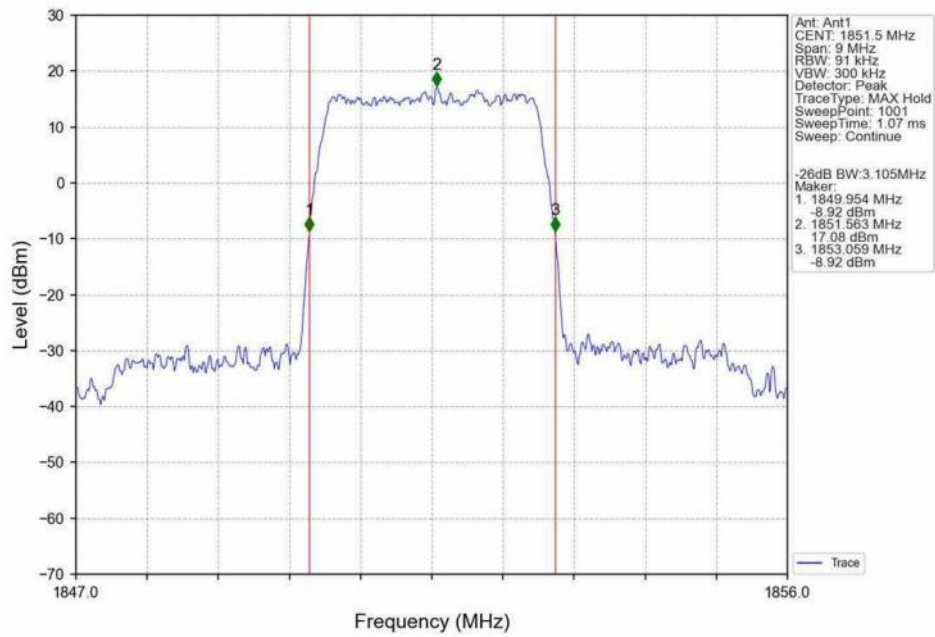
Band2 1.4MHz 16QAM MCH 1880MHz RB 6 0 NTV



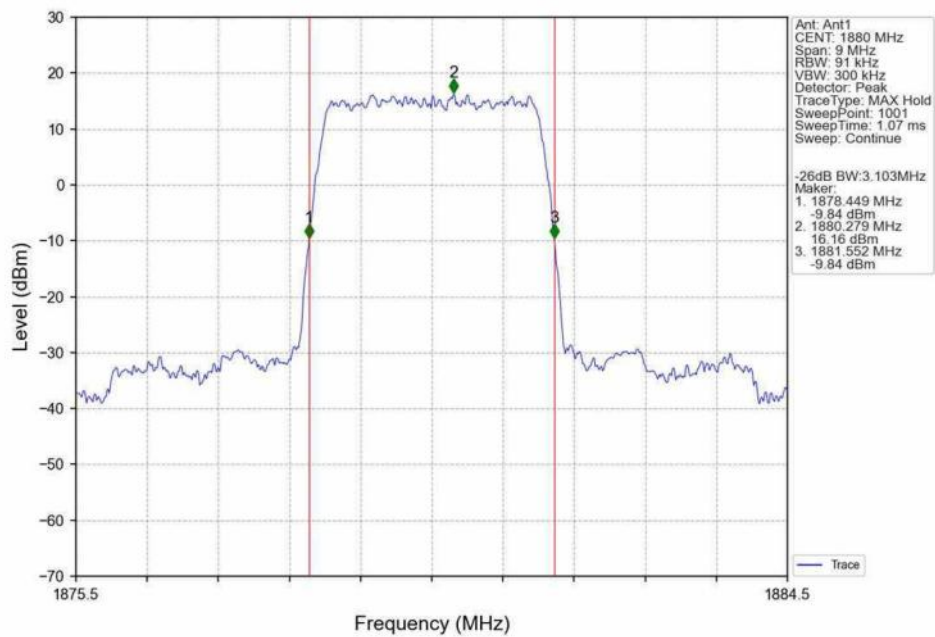
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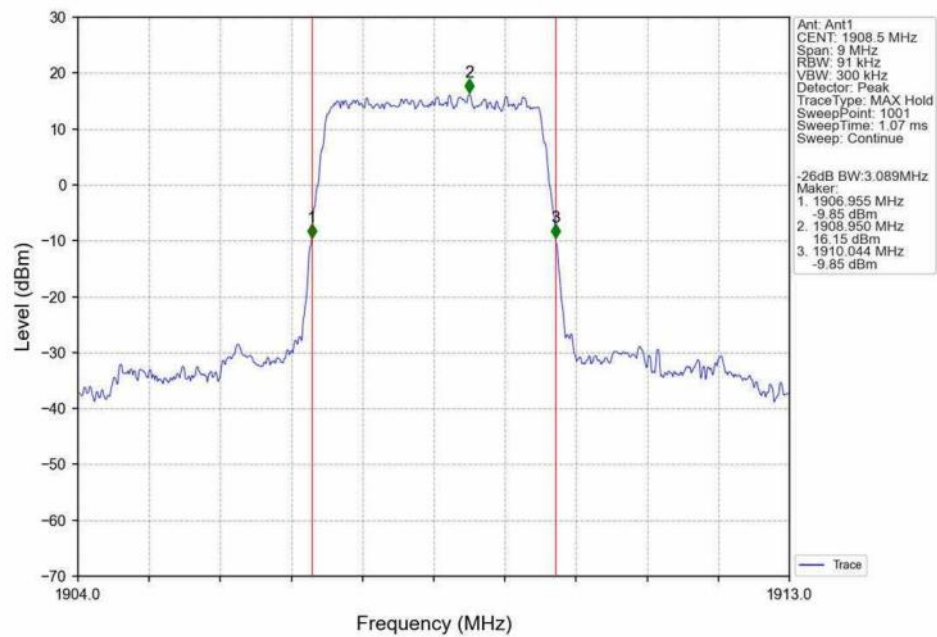
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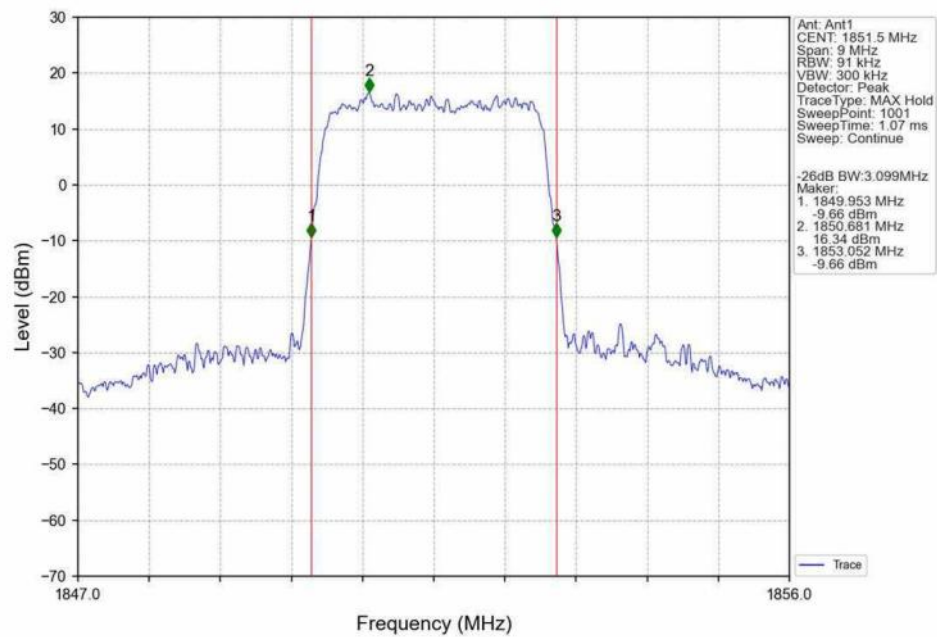
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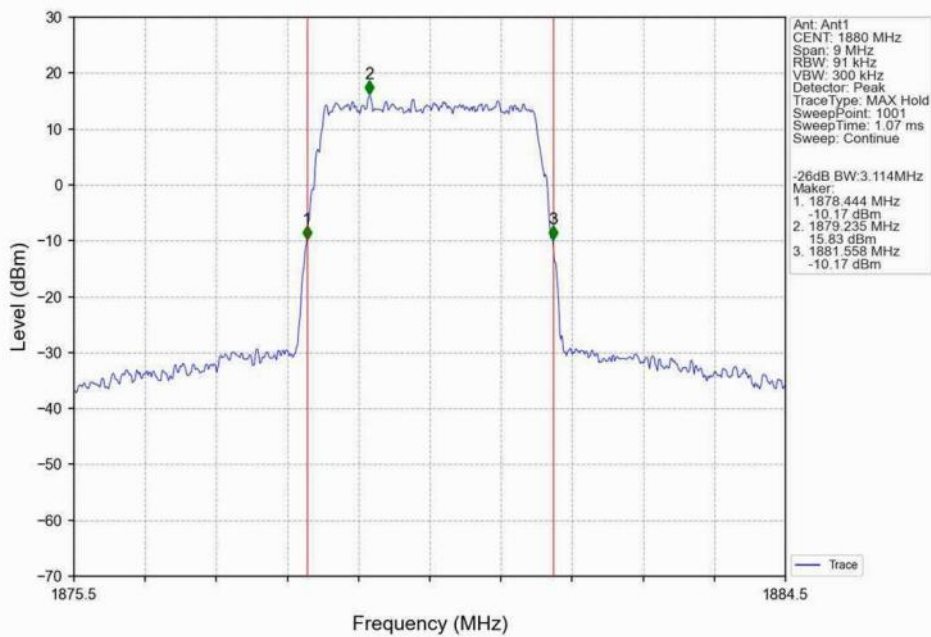
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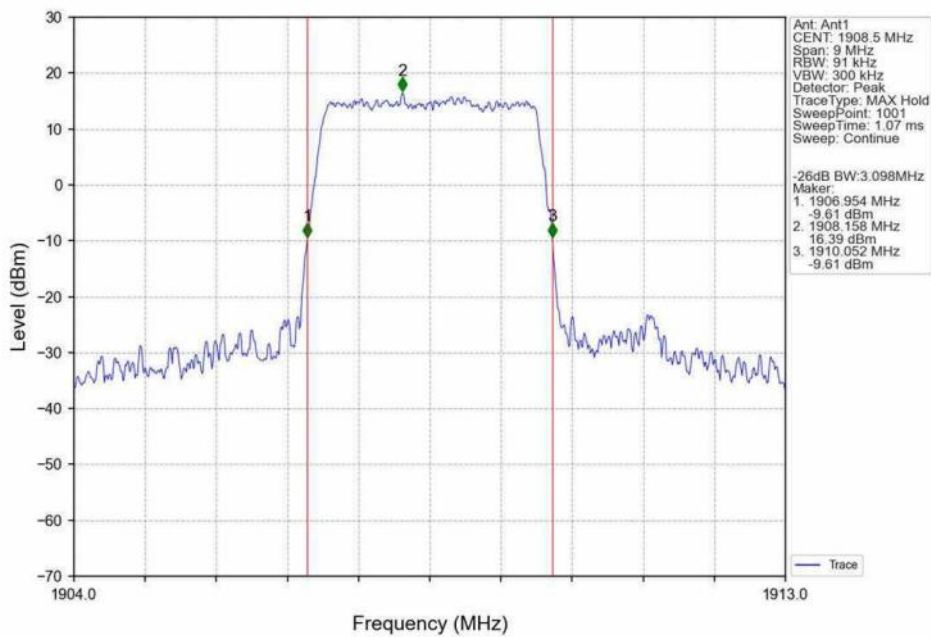
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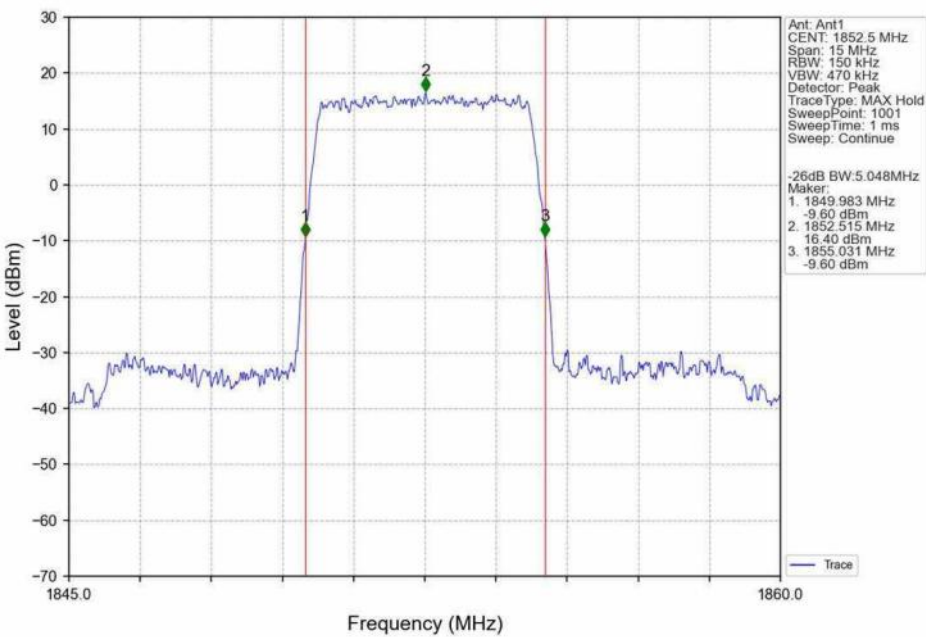
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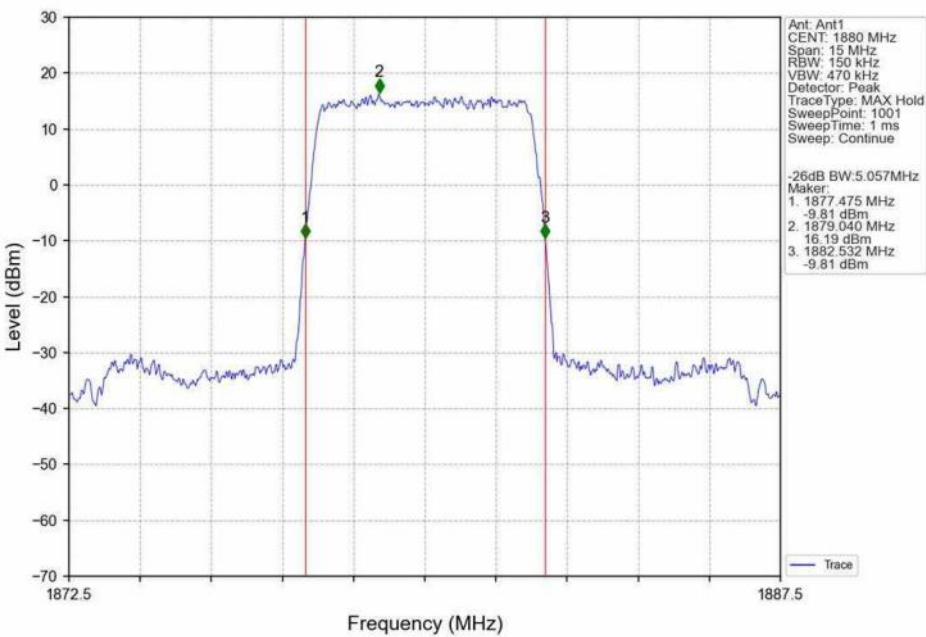
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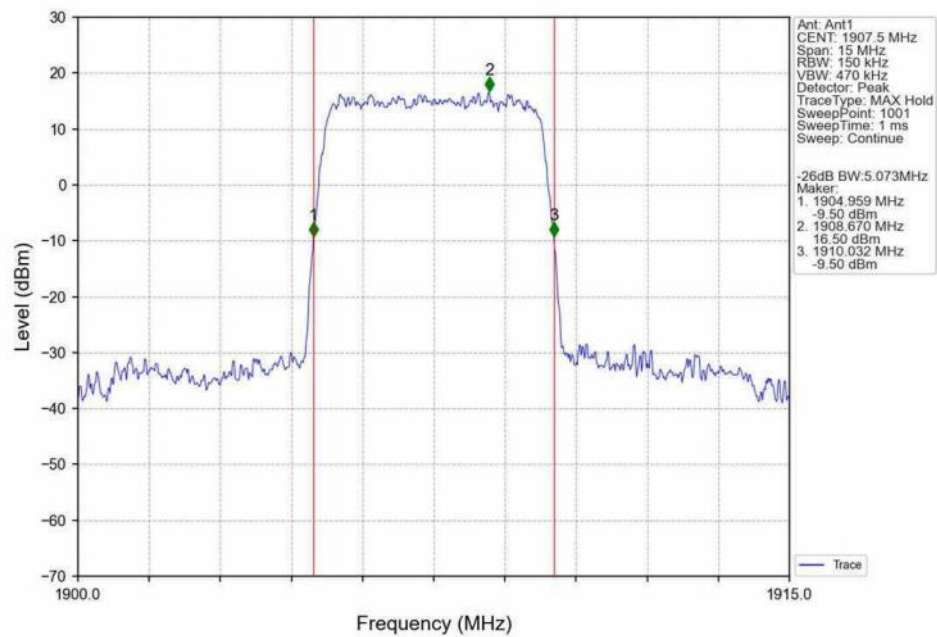
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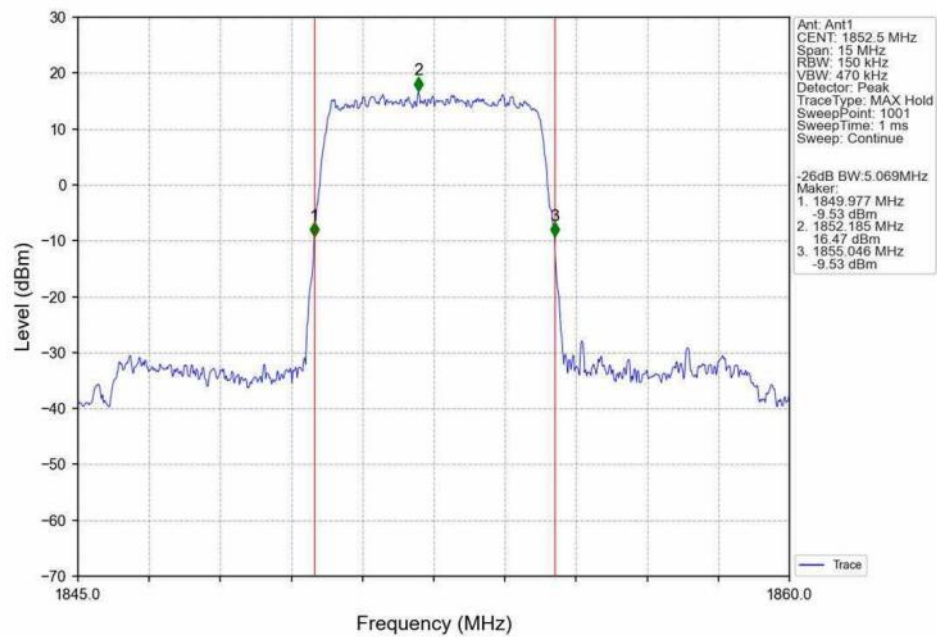
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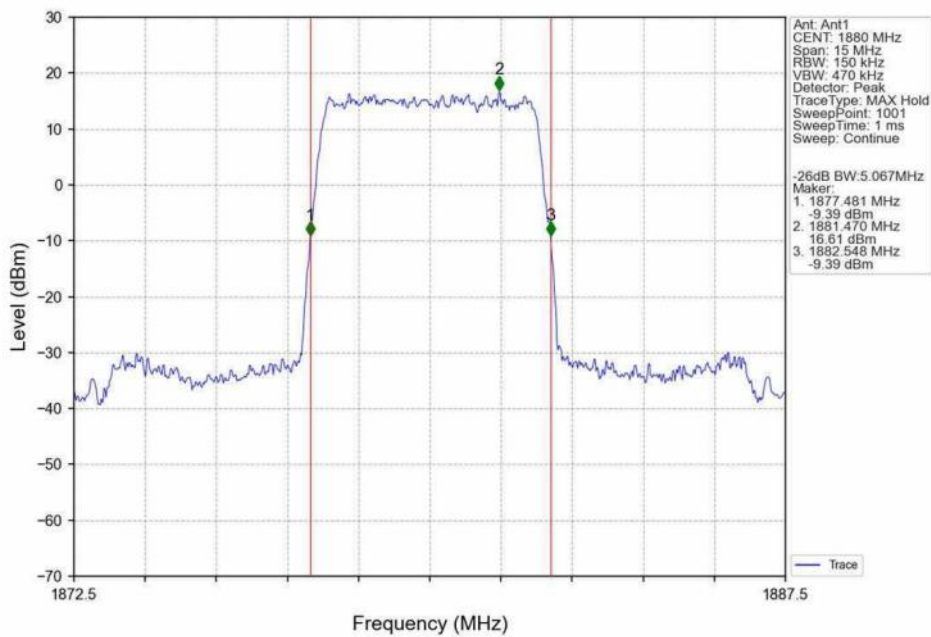
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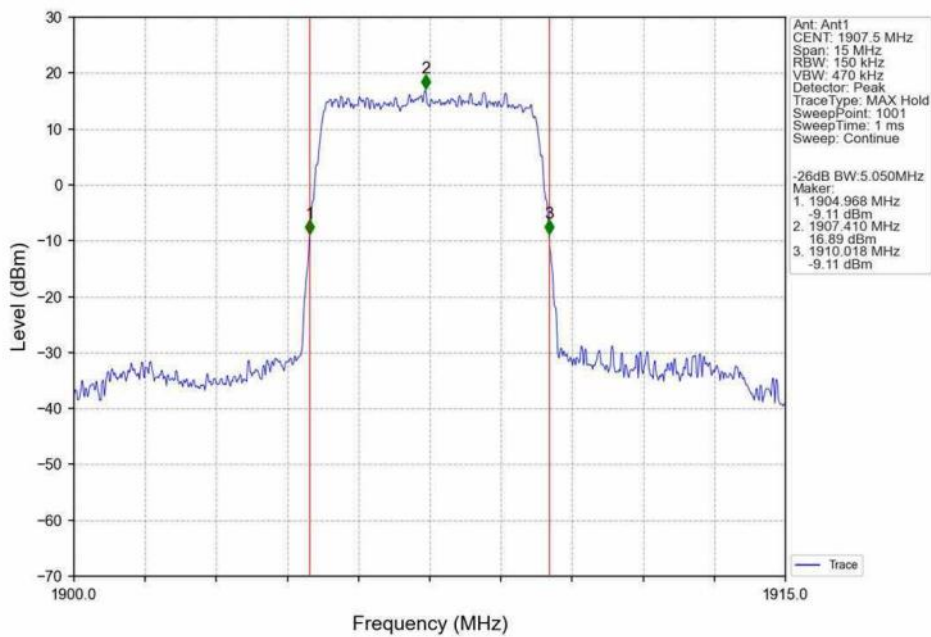
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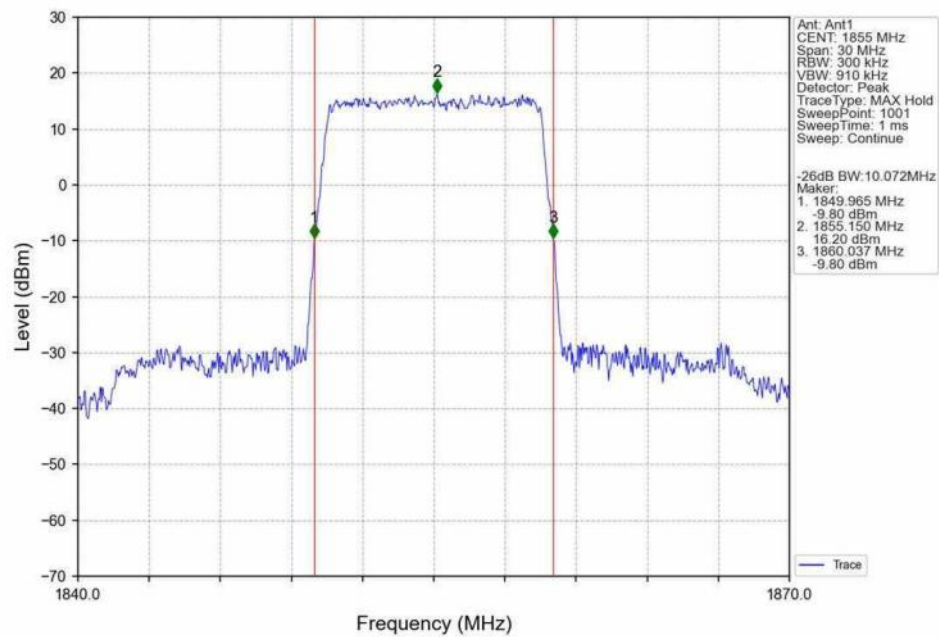
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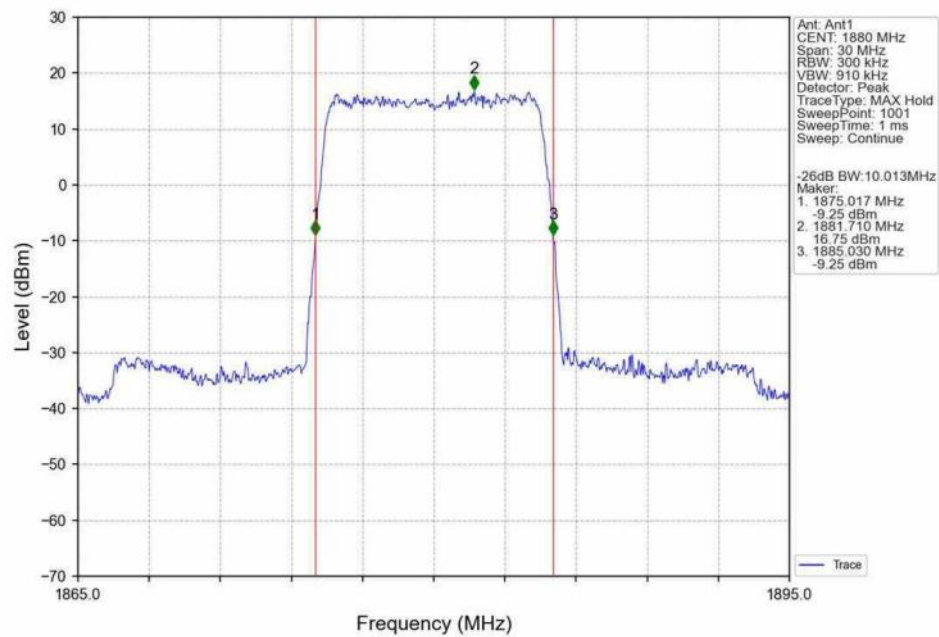
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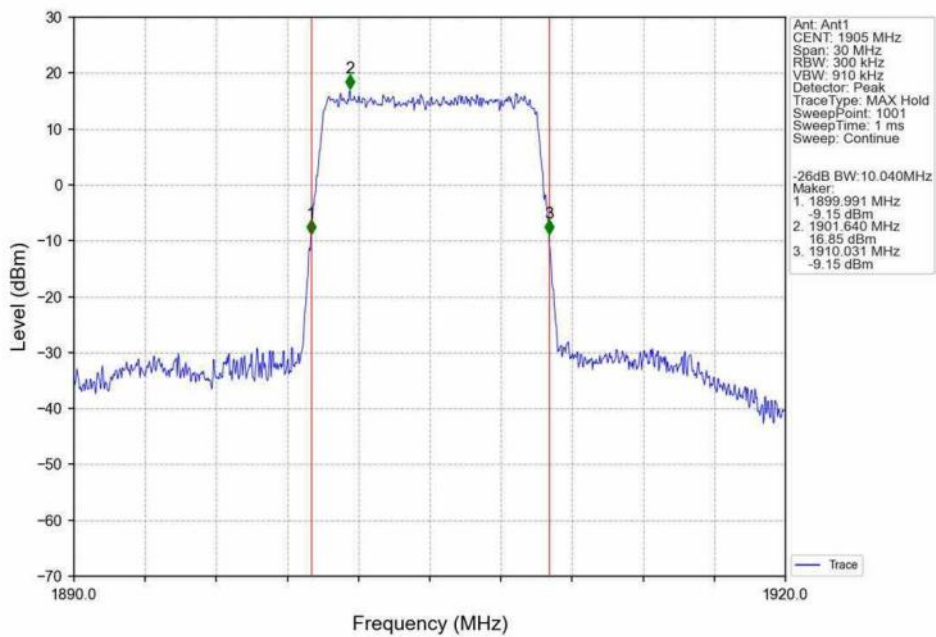
Band2 10MHz QPSK LCH 1855MHz RB 50 0 NTN



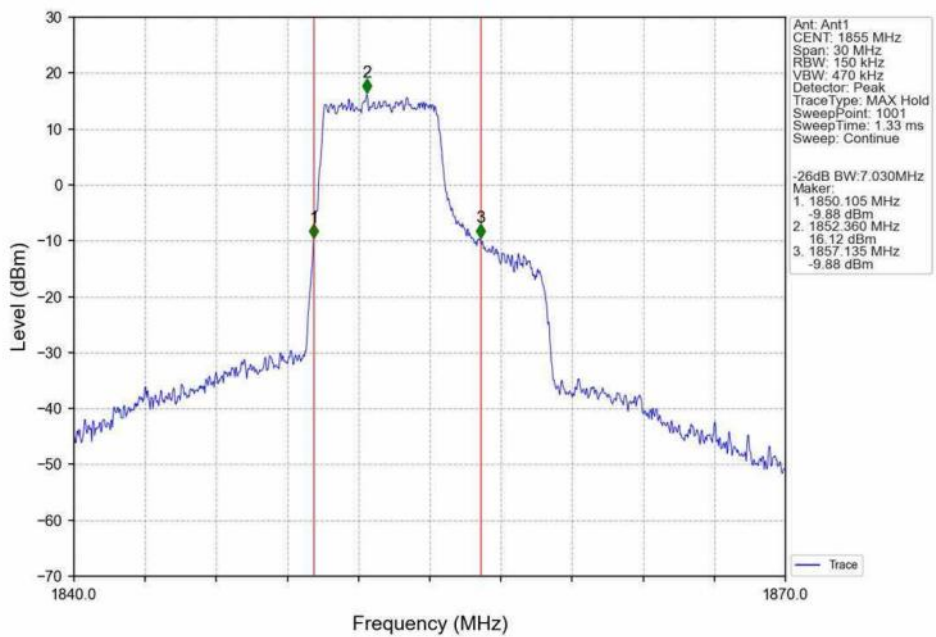
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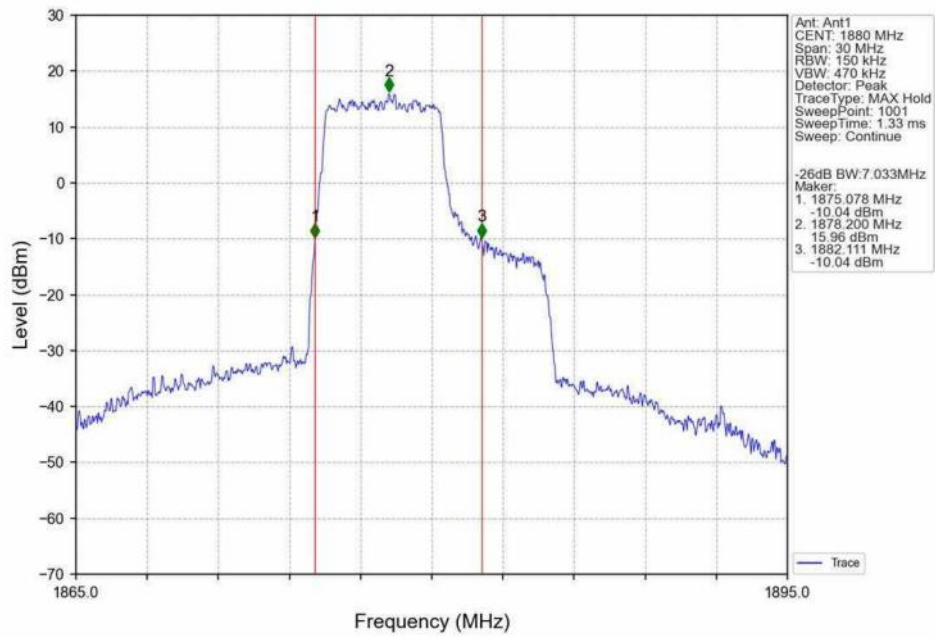
Band2 10MHz QPSK HCH 1905MHz RB 50 0 NTNV



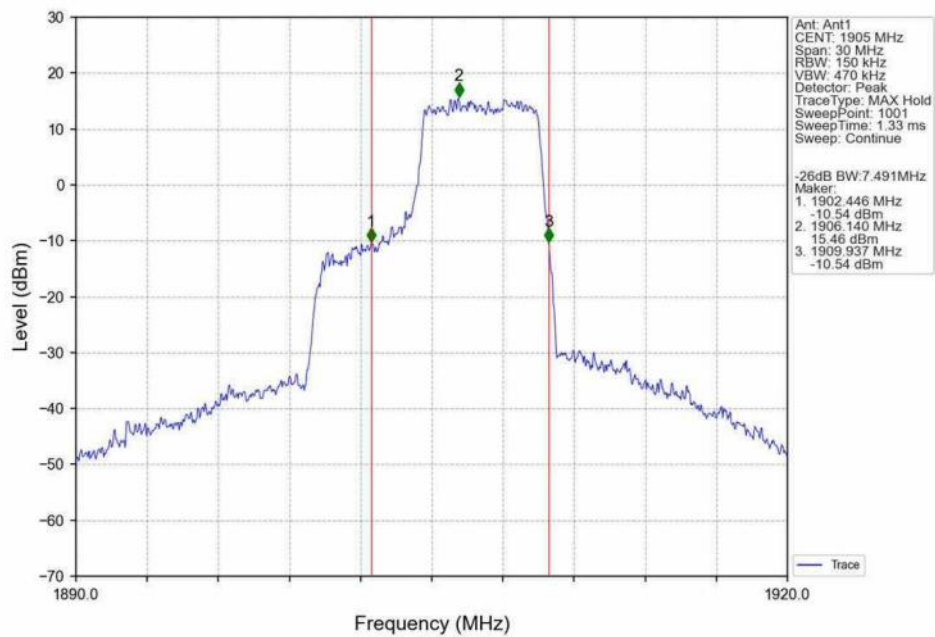
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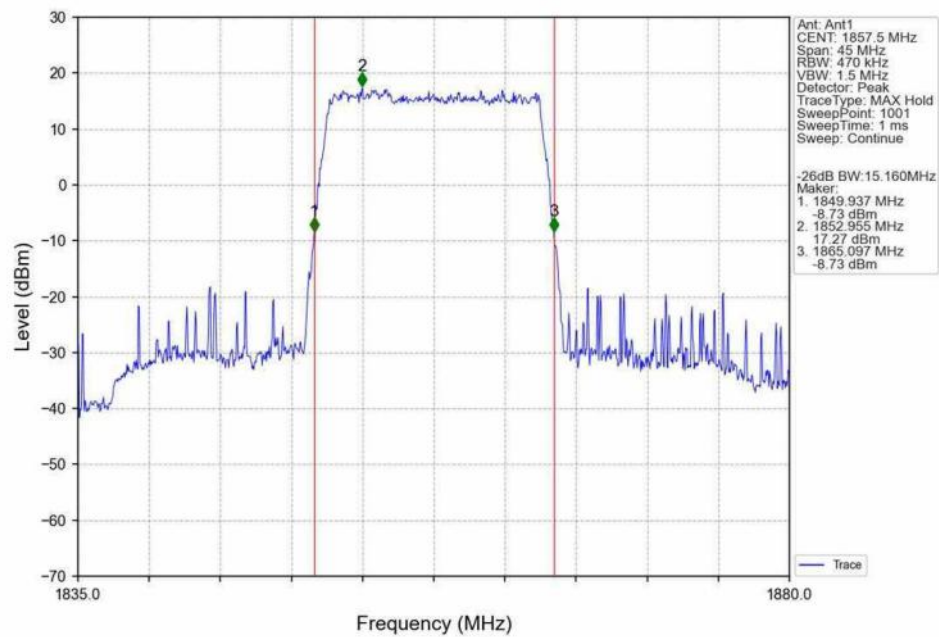
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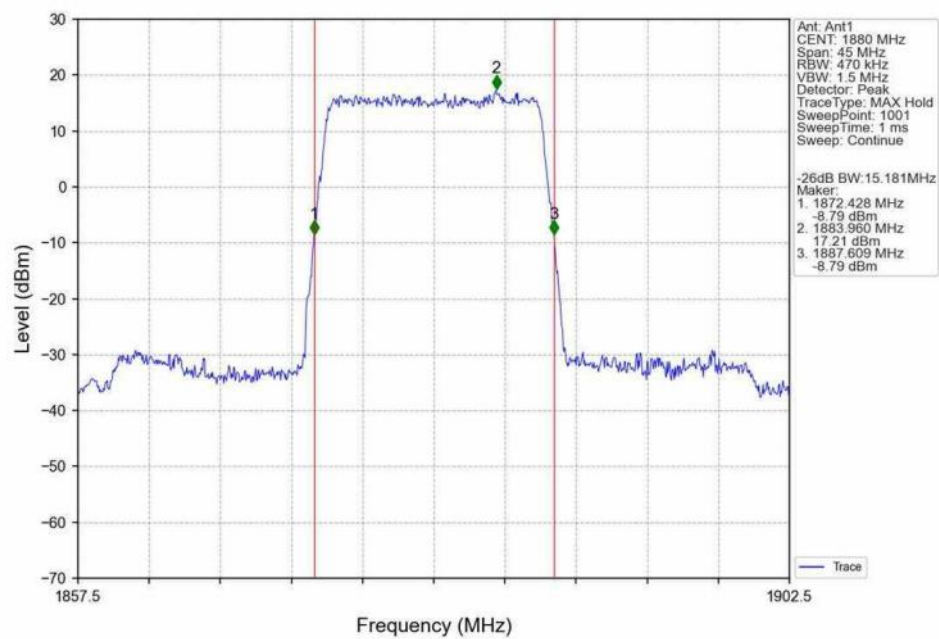
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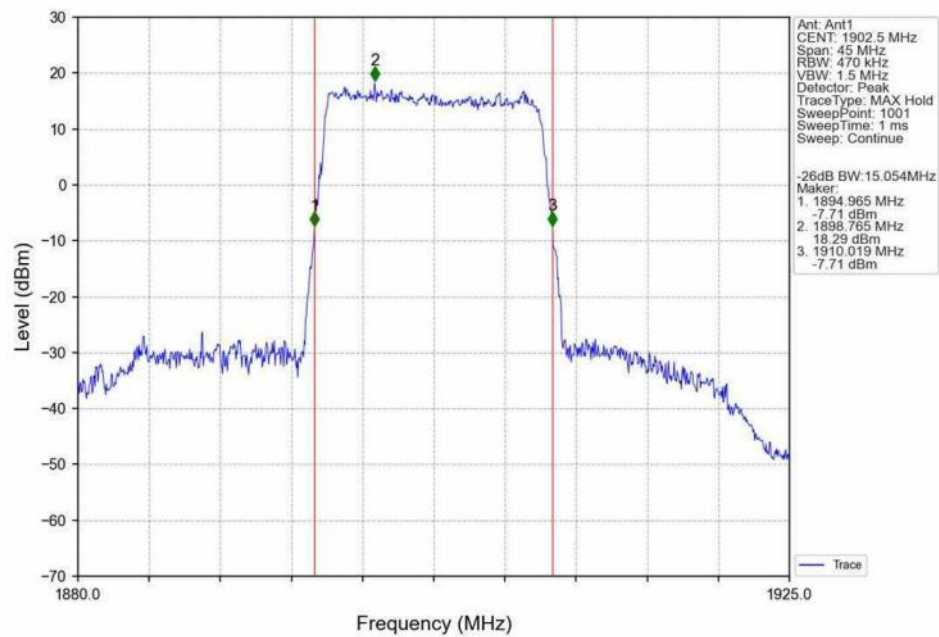
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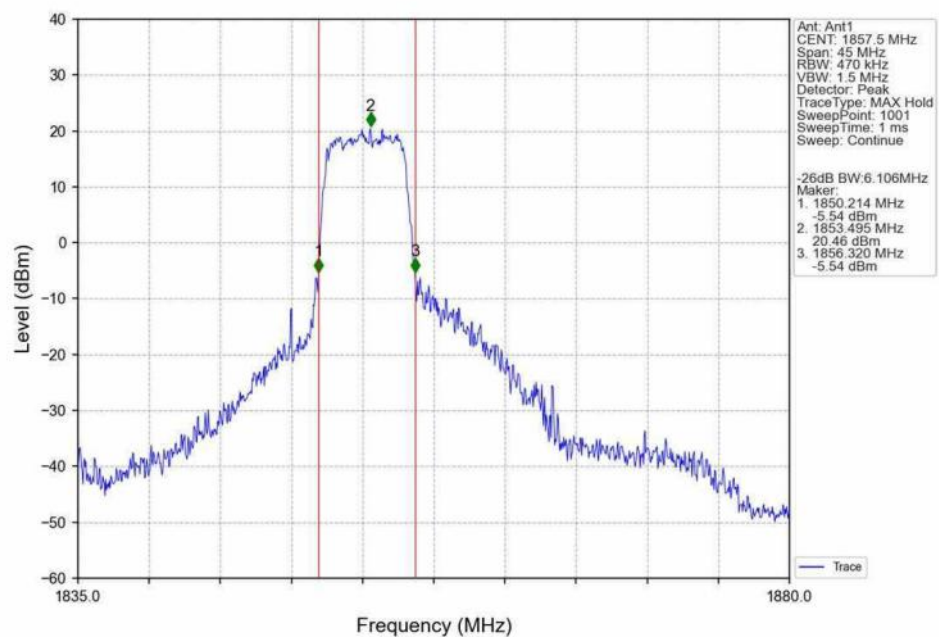
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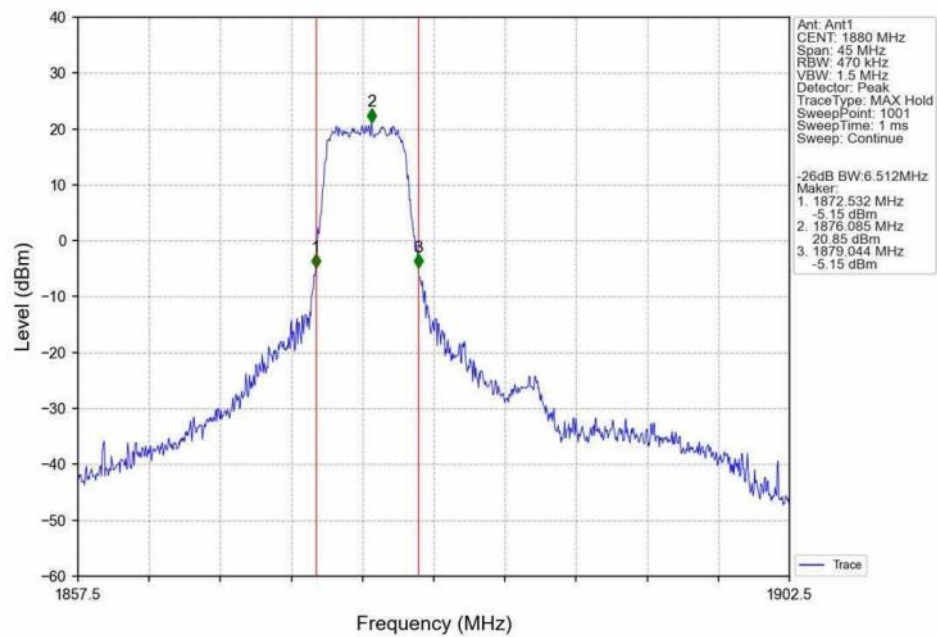
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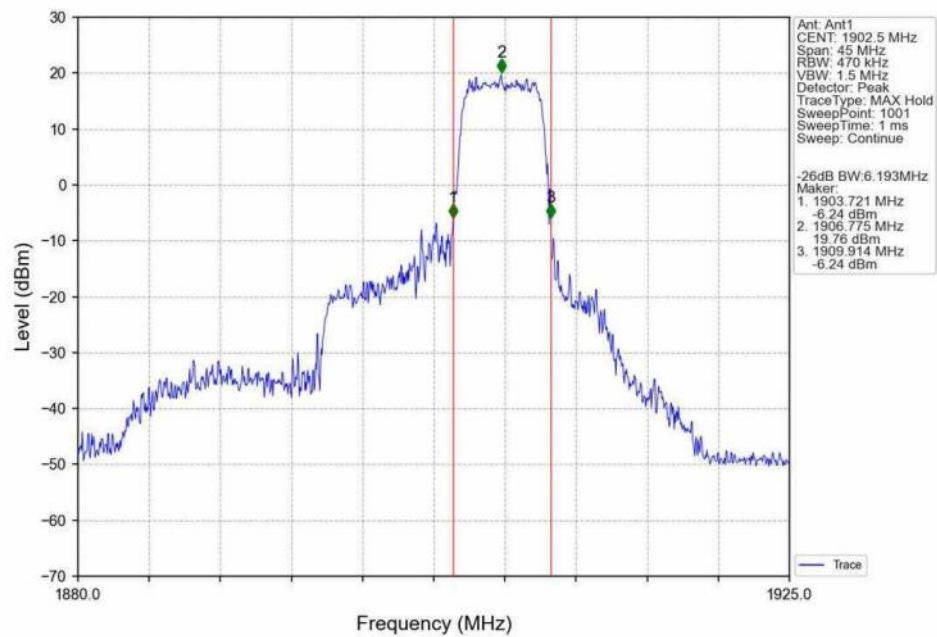
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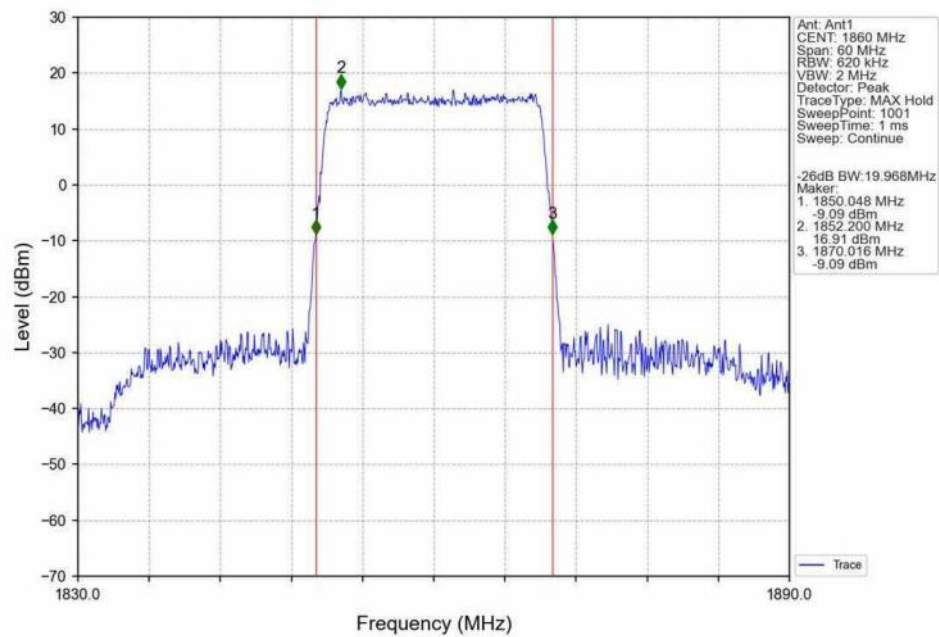
Band2 15MHz 16QAM MCH 1880MHz RB 27 0 NTNV



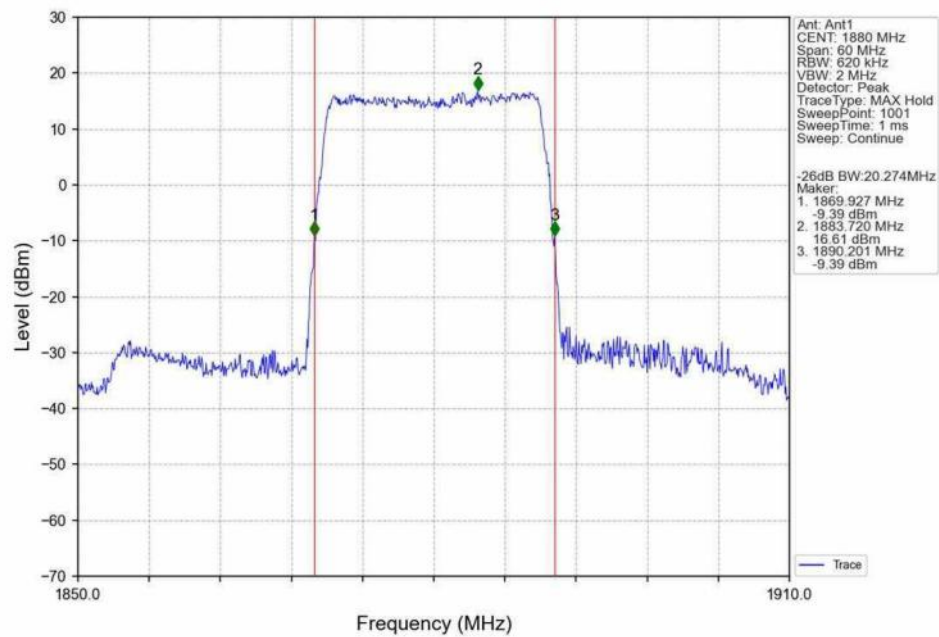
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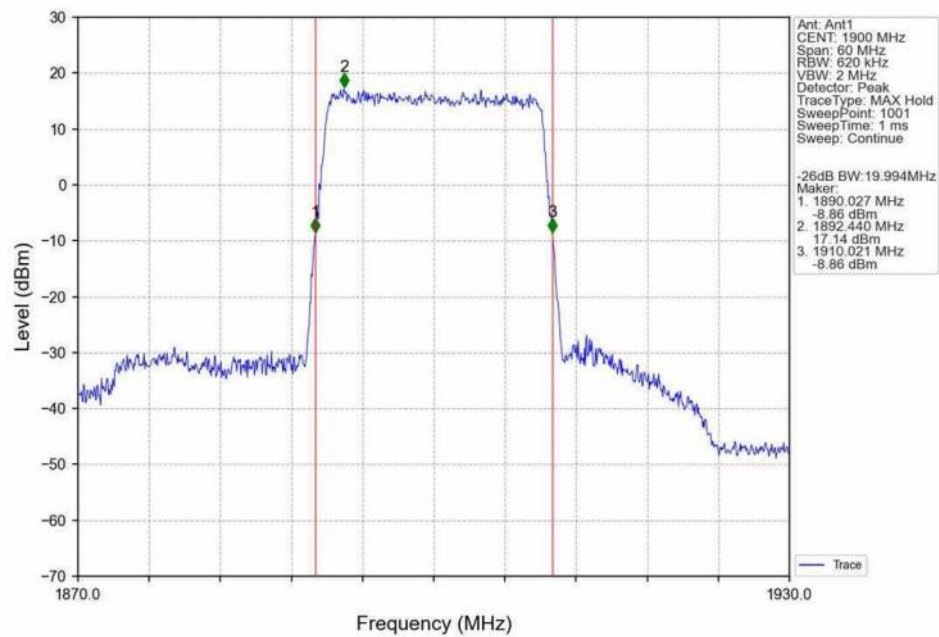
Band2 20MHz QPSK LCH 1860MHz RB 100 0 NTV



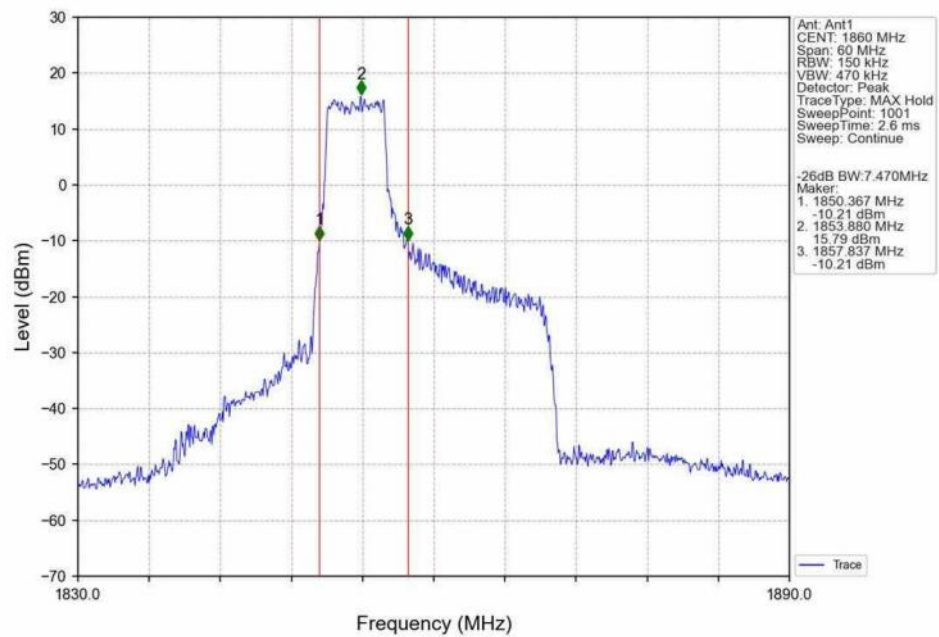
Band2 20MHz QPSK MCH 1880MHz RB 100 0 NTV



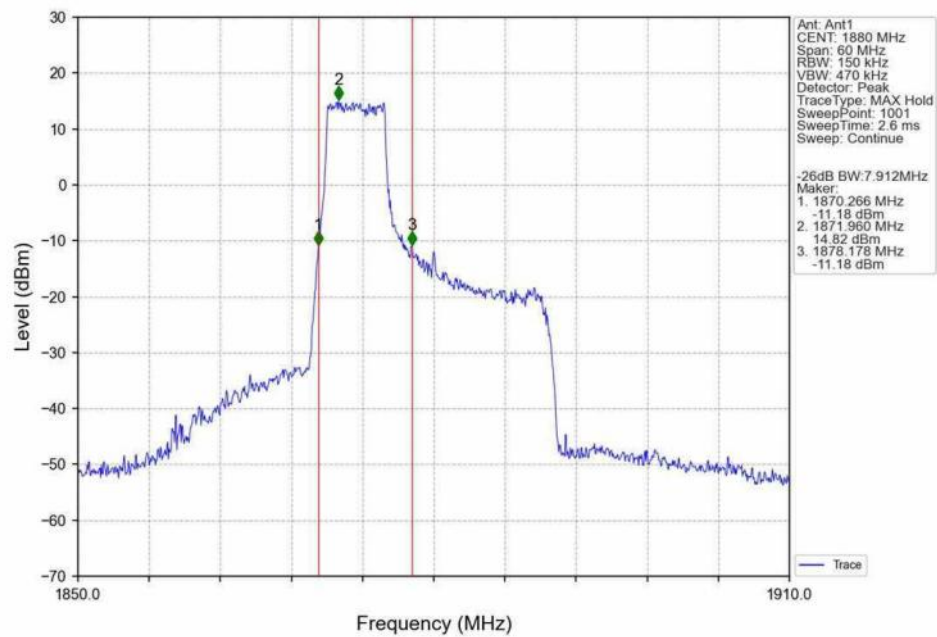
Band2 20MHz QPSK HCH 1900MHz RB 100 0 NTNV



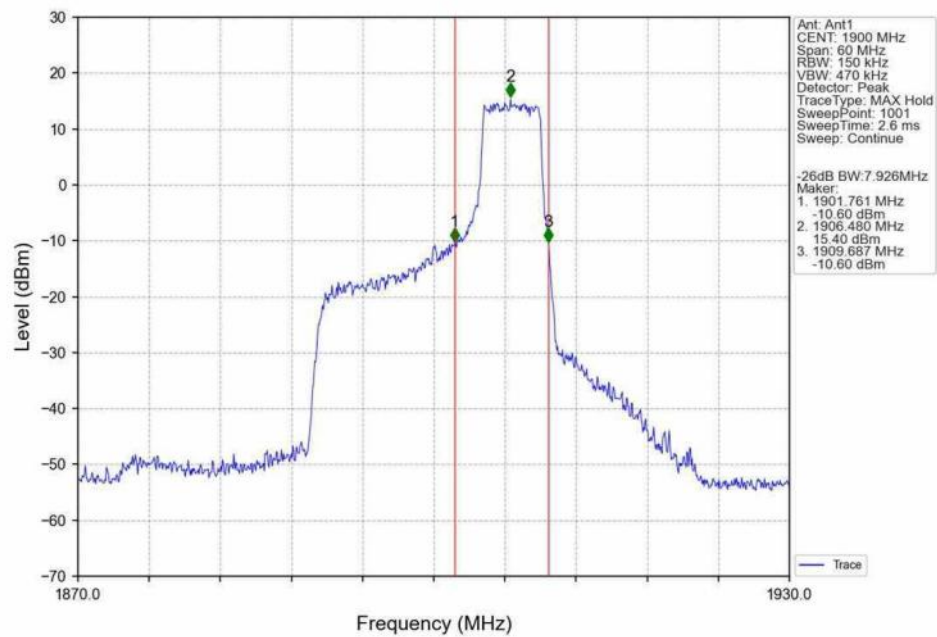
Band2 20MHz 16QAM LCH 1860MHz RB 27 0 NTNV



Band2 20MHz 16QAM MCH 1880MHz RB 27 0 NTNV



Band2 20MHz 16QAM HCH 1900MHz RB 27 73 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      | 5.70                    | <=13  | Pass    |
|                                    | 1880            | 6             | 0      | 5.83                    | <=13  | Pass    |
|                                    | 1909.3          | 6             | 0      | 5.81                    | <=13  | Pass    |
| 16QAM                              | 1850.7          | 6             | 0      | 5.67                    | <=13  | Pass    |
|                                    | 1880            | 6             | 0      | 5.82                    | <=13  | Pass    |
|                                    | 1909.3          | 6             | 0      | 5.78                    | <=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      | 5.69                    | <=13  | Pass    |
|                                  | 1880            | 15            | 0      | 5.85                    | <=13  | Pass    |
|                                  | 1908.5          | 15            | 0      | 5.75                    | <=13  | Pass    |
| 16QAM                            | 1851.5          | 15            | 0      | 6.42                    | <=13  | Pass    |
|                                  | 1880            | 15            | 0      | 6.59                    | <=13  | Pass    |
|                                  | 1908.5          | 15            | 0      | 6.52                    | <=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      | 5.65                    | <=13  | Pass    |
|                                  | 1880            | 25            | 0      | 5.86                    | <=13  | Pass    |
|                                  | 1907.5          | 25            | 0      | 5.80                    | <=13  | Pass    |
| 16QAM                            | 1852.5          | 25            | 0      | 6.38                    | <=13  | Pass    |
|                                  | 1880            | 25            | 0      | 6.52                    | <=13  | Pass    |
|                                  | 1907.5          | 25            | 0      | 6.44                    | <=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      | 5.66                    | <=13  | Pass    |
|                                   | 1880            | 50            | 0      | 5.88                    | <=13  | Pass    |
|                                   | 1905            | 50            | 0      | 5.82                    | <=13  | Pass    |
| 16QAM                             | 1855            | 27            | 0      | 5.67                    | <=13  | Pass    |
|                                   | 1880            | 27            | 0      | 5.87                    | <=13  | Pass    |

|  |      |    |    |      |      |      |
|--|------|----|----|------|------|------|
|  | 1905 | 27 | 23 | 5.81 | <=13 | Pass |
|--|------|----|----|------|------|------|

## 5.1.5 B2\_15MHz

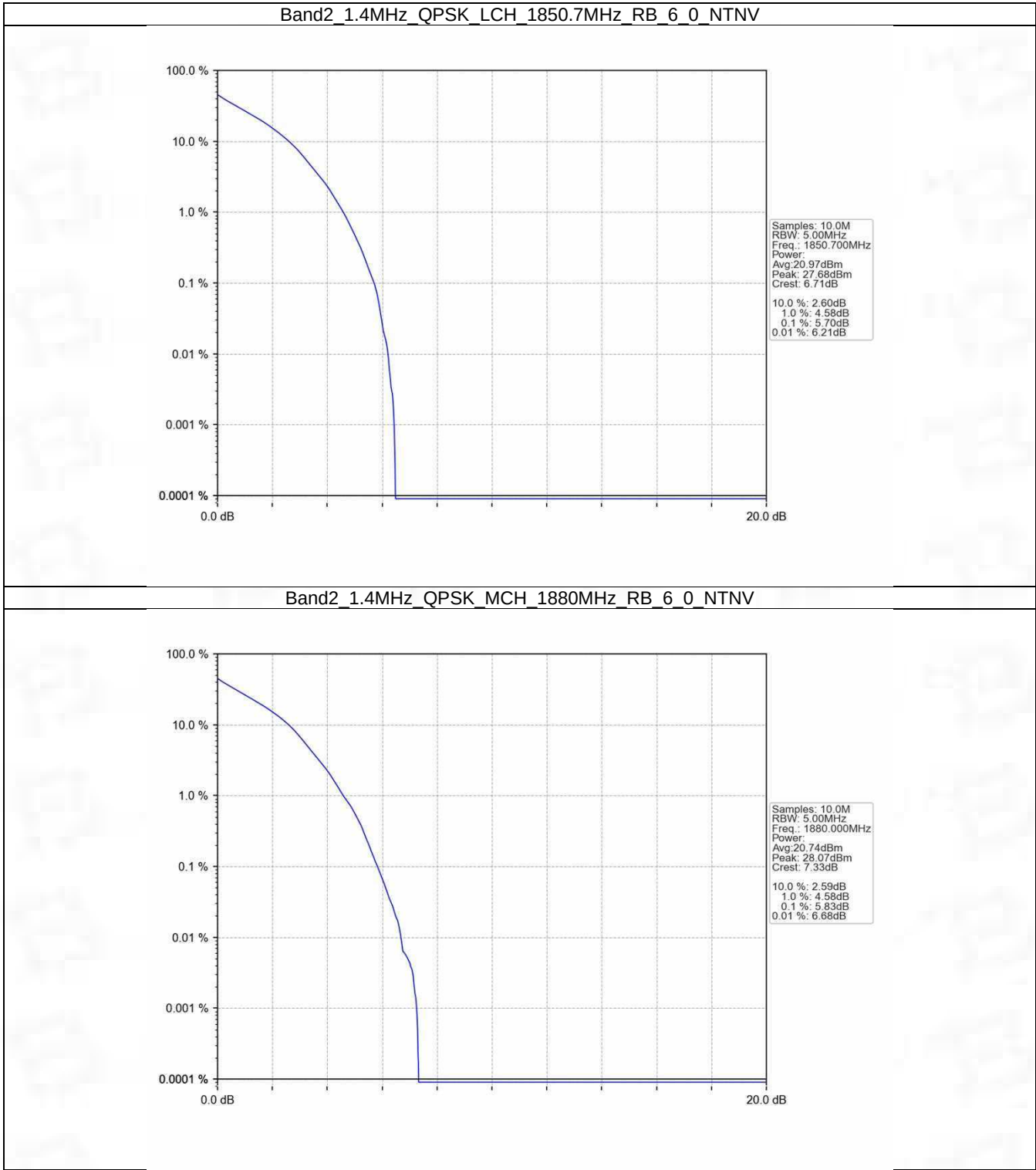
| Band: 2 / Bandwidth: 15MHz / NTN |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 1857.5          | 75            | 0      | 5.97                    | <=13  | Pass    |
|                                  | 1880            | 75            | 0      | 6.20                    | <=13  | Pass    |
|                                  | 1902.5          | 75            | 0      | 6.01                    | <=13  | Pass    |
| 16QAM                            | 1857.5          | 27            | 0      | 6.30                    | <=13  | Pass    |
|                                  | 1880            | 27            | 0      | 6.52                    | <=13  | Pass    |
|                                  | 1902.5          | 27            | 48     | 6.53                    | <=13  | Pass    |

## 5.1.6 B2\_20MHz

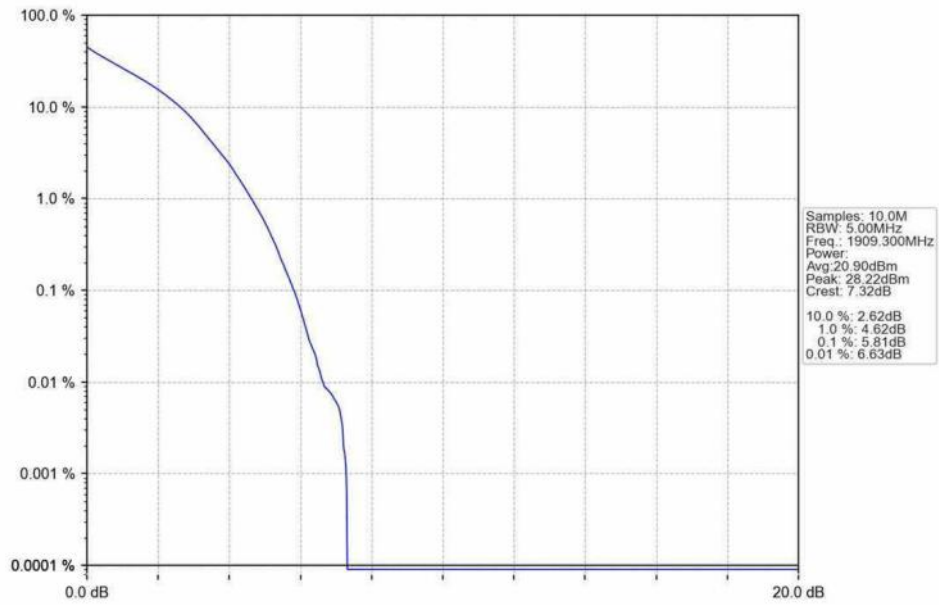
| Band: 2 / Bandwidth: 20MHz / NTN |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 1860            | 100           | 0      | 5.77                    | <=13  | Pass    |
|                                  | 1880            | 100           | 0      | 5.96                    | <=13  | Pass    |
|                                  | 1900            | 100           | 0      | 5.68                    | <=13  | Pass    |
| 16QAM                            | 1860            | 27            | 0      | 5.78                    | <=13  | Pass    |
|                                  | 1880            | 27            | 0      | 5.96                    | <=13  | Pass    |
|                                  | 1900            | 27            | 73     | 5.70                    | <=13  | Pass    |

5.2 Test Graph

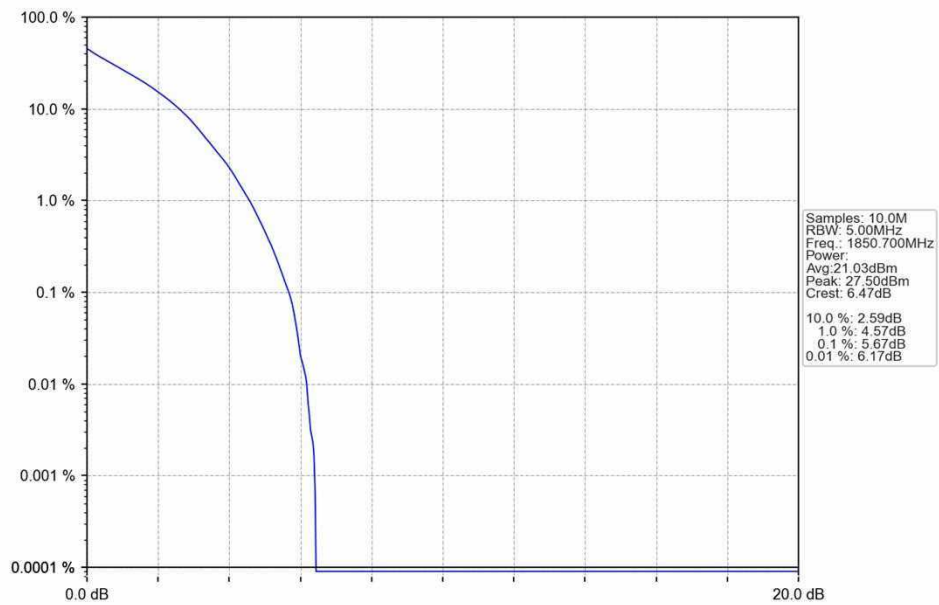
5.2.1 B2\_1.4MHz



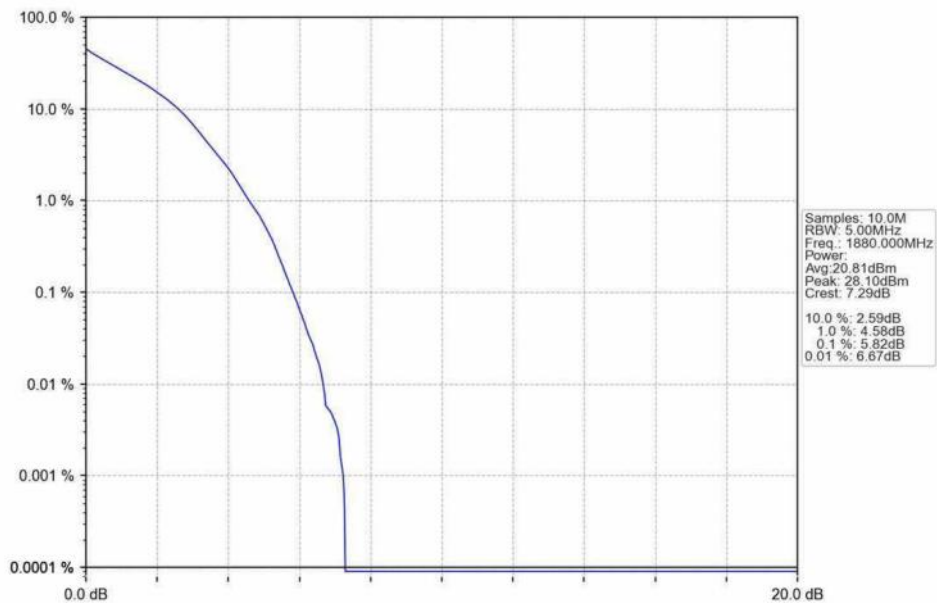
Band2 1.4MHz QPSK HCH 1909.3MHz RB 6 0 NTNV



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



5.2.2 B2\_3MHz

