

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

### 1.1 Test Result

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

| Band: 2 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 1850.7          | 1             | 0      | 24.16                 | -1.39      | 22.77      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 24.25                 | -1.39      | 22.86      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 24.17                 | -1.39      | 22.78      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 24.26                 | -1.39      | 22.87      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 24.29                 | -1.39      | 22.90      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 24.26                 | -1.39      | 22.87      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 23.30                 | -1.39      | 21.91      | <=33.01 | Pass    |
|                                    | 1880            | 1             | 0      | 23.45                 | -1.39      | 22.06      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 23.68                 | -1.39      | 22.29      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 23.59                 | -1.39      | 22.20      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 23.64                 | -1.39      | 22.25      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 23.70                 | -1.39      | 22.31      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 23.60                 | -1.39      | 22.21      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 22.60                 | -1.39      | 21.21      | <=33.01 | Pass    |
|                                    | 1909.3          | 1             | 0      | 23.56                 | -1.39      | 22.17      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 23.79                 | -1.39      | 22.40      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 23.57                 | -1.39      | 22.18      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 23.68                 | -1.39      | 22.29      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 23.70                 | -1.39      | 22.31      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 23.68                 | -1.39      | 22.29      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 22.61                 | -1.39      | 21.22      | <=33.01 | Pass    |
| 16QAM                              | 1850.7          | 1             | 0      | 23.35                 | -1.39      | 21.96      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 23.48                 | -1.39      | 22.09      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 23.30                 | -1.39      | 21.91      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 23.11                 | -1.39      | 21.72      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 23.06                 | -1.39      | 21.67      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 22.80                 | -1.39      | 21.41      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 21.95                 | -1.39      | 20.56      | <=33.01 | Pass    |
|                                    | 1880            | 1             | 0      | 22.49                 | -1.39      | 21.10      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 22.52                 | -1.39      | 21.13      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 22.47                 | -1.39      | 21.08      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 22.78                 | -1.39      | 21.39      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 22.80                 | -1.39      | 21.41      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 22.77                 | -1.39      | 21.38      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 21.55                 | -1.39      | 20.16      | <=33.01 | Pass    |
|                                    | 1909.3          | 1             | 0      | 22.58                 | -1.39      | 21.19      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 22.71                 | -1.39      | 21.32      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 22.66                 | -1.39      | 21.27      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 22.77                 | -1.39      | 21.38      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 22.77                 | -1.39      | 21.38      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 22.76                 | -1.39      | 21.37      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 21.57                 | -1.39      | 20.18      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

#### 1.1.2 B2\_3MHz\_EIRP

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

| Modulation | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
|            |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK       | 1851.5          | 1             | 0      | 24.27                 | -1.39      | 22.88      | <=33.01 | Pass    |
|            |                 |               | 7      | 24.34                 | -1.39      | 22.95      | <=33.01 | Pass    |
|            |                 |               | 14     | 23.94                 | -1.39      | 22.55      | <=33.01 | Pass    |
|            |                 | 8             | 0      | 22.89                 | -1.39      | 21.50      | <=33.01 | Pass    |
|            |                 |               | 4      | 23.07                 | -1.39      | 21.68      | <=33.01 | Pass    |
|            |                 |               | 7      | 22.84                 | -1.39      | 21.45      | <=33.01 | Pass    |
|            |                 | 15            | 0      | 22.77                 | -1.39      | 21.38      | <=33.01 | Pass    |
|            | 1880            | 1             | 0      | 23.58                 | -1.39      | 22.19      | <=33.01 | Pass    |
|            |                 |               | 7      | 23.68                 | -1.39      | 22.29      | <=33.01 | Pass    |
|            |                 |               | 14     | 23.55                 | -1.39      | 22.16      | <=33.01 | Pass    |
|            |                 | 8             | 0      | 22.54                 | -1.39      | 21.15      | <=33.01 | Pass    |
|            |                 |               | 4      | 22.55                 | -1.39      | 21.16      | <=33.01 | Pass    |
|            |                 |               | 7      | 22.53                 | -1.39      | 21.14      | <=33.01 | Pass    |
|            |                 | 15            | 0      | 22.53                 | -1.39      | 21.14      | <=33.01 | Pass    |
|            | 1908.5          | 1             | 0      | 23.63                 | -1.39      | 22.24      | <=33.01 | Pass    |
|            |                 |               | 7      | 23.79                 | -1.39      | 22.40      | <=33.01 | Pass    |
|            |                 |               | 14     | 23.65                 | -1.39      | 22.26      | <=33.01 | Pass    |
|            |                 | 8             | 0      | 22.65                 | -1.39      | 21.26      | <=33.01 | Pass    |
|            |                 |               | 4      | 22.70                 | -1.39      | 21.31      | <=33.01 | Pass    |
|            |                 |               | 7      | 22.61                 | -1.39      | 21.22      | <=33.01 | Pass    |
|            |                 | 15            | 0      | 22.65                 | -1.39      | 21.26      | <=33.01 | Pass    |
| 16QAM      | 1851.5          | 1             | 0      | 23.32                 | -1.39      | 21.93      | <=33.01 | Pass    |
|            |                 |               | 7      | 23.43                 | -1.39      | 22.04      | <=33.01 | Pass    |
|            |                 |               | 14     | 23.25                 | -1.39      | 21.86      | <=33.01 | Pass    |
|            |                 | 8             | 0      | 21.92                 | -1.39      | 20.53      | <=33.01 | Pass    |
|            |                 |               | 4      | 21.96                 | -1.39      | 20.57      | <=33.01 | Pass    |
|            |                 |               | 7      | 21.92                 | -1.39      | 20.53      | <=33.01 | Pass    |
|            |                 | 15            | 0      | 21.83                 | -1.39      | 20.44      | <=33.01 | Pass    |
|            | 1880            | 1             | 0      | 22.60                 | -1.39      | 21.21      | <=33.01 | Pass    |
|            |                 |               | 7      | 22.69                 | -1.39      | 21.30      | <=33.01 | Pass    |
|            |                 |               | 14     | 22.54                 | -1.39      | 21.15      | <=33.01 | Pass    |
|            |                 | 8             | 0      | 21.63                 | -1.39      | 20.24      | <=33.01 | Pass    |
|            |                 |               | 4      | 21.63                 | -1.39      | 20.24      | <=33.01 | Pass    |
|            |                 |               | 7      | 21.60                 | -1.39      | 20.21      | <=33.01 | Pass    |
|            |                 | 15            | 0      | 21.61                 | -1.39      | 20.22      | <=33.01 | Pass    |
|            | 1908.5          | 1             | 0      | 22.82                 | -1.39      | 21.43      | <=33.01 | Pass    |
|            |                 |               | 7      | 23.00                 | -1.39      | 21.61      | <=33.01 | Pass    |
|            |                 |               | 14     | 22.81                 | -1.39      | 21.42      | <=33.01 | Pass    |
|            |                 | 8             | 0      | 21.68                 | -1.39      | 20.29      | <=33.01 | Pass    |
|            |                 |               | 4      | 21.70                 | -1.39      | 20.31      | <=33.01 | Pass    |
|            |                 |               | 7      | 21.68                 | -1.39      | 20.29      | <=33.01 | Pass    |
|            |                 | 15            | 0      | 21.68                 | -1.39      | 20.29      | <=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      | 23.72                 | -1.39      | 22.33      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 23.84                 | -1.39      | 22.45      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 23.69                 | -1.39      | 22.30      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 22.67                 | -1.39      | 21.28      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 22.79                 | -1.39      | 21.40      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.79                 | -1.39      | 21.40      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 22.75                 | -1.39      | 21.36      | <=33.01 | Pass    |

|       |        |    |    |       |       |       |         |      |
|-------|--------|----|----|-------|-------|-------|---------|------|
| 16QAM | 1880   | 1  | 0  | 23.48 | -1.39 | 22.09 | <=33.01 | Pass |
|       |        |    | 13 | 23.54 | -1.39 | 22.15 | <=33.01 | Pass |
|       |        |    | 24 | 23.48 | -1.39 | 22.09 | <=33.01 | Pass |
|       |        | 12 | 0  | 22.53 | -1.39 | 21.14 | <=33.01 | Pass |
|       |        |    | 6  | 22.58 | -1.39 | 21.19 | <=33.01 | Pass |
|       |        |    | 13 | 22.54 | -1.39 | 21.15 | <=33.01 | Pass |
|       |        | 25 | 0  | 22.54 | -1.39 | 21.15 | <=33.01 | Pass |
|       |        |    | 0  | 23.59 | -1.39 | 22.20 | <=33.01 | Pass |
|       |        |    | 13 | 23.67 | -1.39 | 22.28 | <=33.01 | Pass |
|       | 1907.5 | 1  | 24 | 23.61 | -1.39 | 22.22 | <=33.01 | Pass |
|       |        |    | 0  | 22.67 | -1.39 | 21.28 | <=33.01 | Pass |
|       |        |    | 6  | 22.74 | -1.39 | 21.35 | <=33.01 | Pass |
|       |        | 12 | 13 | 22.66 | -1.39 | 21.27 | <=33.01 | Pass |
|       |        |    | 0  | 22.69 | -1.39 | 21.30 | <=33.01 | Pass |
|       |        |    | 0  | 22.59 | -1.39 | 21.20 | <=33.01 | Pass |
|       |        | 25 | 13 | 22.64 | -1.39 | 21.25 | <=33.01 | Pass |
|       |        |    | 24 | 22.53 | -1.39 | 21.14 | <=33.01 | Pass |
|       |        |    | 0  | 22.71 | -1.39 | 20.32 | <=33.01 | Pass |
| 16QAM | 1852.5 | 1  | 6  | 21.79 | -1.39 | 20.40 | <=33.01 | Pass |
|       |        |    | 13 | 21.80 | -1.39 | 20.41 | <=33.01 | Pass |
|       |        |    | 0  | 21.82 | -1.39 | 20.43 | <=33.01 | Pass |
|       |        | 12 | 0  | 22.62 | -1.39 | 21.23 | <=33.01 | Pass |
|       |        |    | 13 | 22.67 | -1.39 | 21.28 | <=33.01 | Pass |
|       |        |    | 24 | 22.61 | -1.39 | 21.22 | <=33.01 | Pass |
|       |        | 25 | 0  | 21.53 | -1.39 | 20.14 | <=33.01 | Pass |
|       |        |    | 6  | 21.59 | -1.39 | 20.20 | <=33.01 | Pass |
|       |        |    | 13 | 21.52 | -1.39 | 20.13 | <=33.01 | Pass |
|       | 1880   | 1  | 0  | 21.58 | -1.39 | 20.19 | <=33.01 | Pass |
|       |        |    | 0  | 22.85 | -1.39 | 21.46 | <=33.01 | Pass |
|       |        |    | 13 | 23.01 | -1.39 | 21.62 | <=33.01 | Pass |
|       |        | 12 | 24 | 22.95 | -1.39 | 21.56 | <=33.01 | Pass |
|       |        |    | 0  | 21.69 | -1.39 | 20.30 | <=33.01 | Pass |
|       |        |    | 6  | 21.77 | -1.39 | 20.38 | <=33.01 | Pass |
|       |        |    | 13 | 21.70 | -1.39 | 20.31 | <=33.01 | Pass |
|       |        | 25 | 0  | 21.75 | -1.39 | 20.36 | <=33.01 | Pass |
|       |        |    | 0  | 21.75 | -1.39 | 20.36 | <=33.01 | Pass |
|       |        |    | 0  | 21.75 | -1.39 | 20.36 | <=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      | 23.78                 | -1.39      | 22.39      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 23.95                 | -1.39      | 22.56      | <=33.01 | Pass    |
|                                   |                 |               | 49     | 23.73                 | -1.39      | 22.34      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.74                 | -1.39      | 21.35      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.82                 | -1.39      | 21.43      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 22.85                 | -1.39      | 21.46      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 22.82                 | -1.39      | 21.43      | <=33.01 | Pass    |
|                                   |                 |               | 0      | 23.59                 | -1.39      | 22.20      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 23.74                 | -1.39      | 22.35      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 49     | 23.57                 | -1.39      | 22.18      | <=33.01 | Pass    |
|                                   |                 |               | 0      | 22.63                 | -1.39      | 21.24      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.59                 | -1.39      | 21.20      | <=33.01 | Pass    |
|                                   |                 | 25            | 25     | 22.62                 | -1.39      | 21.23      | <=33.01 | Pass    |
|                                   |                 |               | 0      | 22.64                 | -1.39      | 21.25      | <=33.01 | Pass    |
|                                   |                 |               | 0      | 23.58                 | -1.39      | 22.19      | <=33.01 | Pass    |
|                                   |                 | 50            | 25     | 23.82                 | -1.39      | 22.43      | <=33.01 | Pass    |
|                                   |                 |               | 0      | 23.82                 | -1.39      | 22.43      | <=33.01 | Pass    |
|                                   |                 |               | 0      | 23.82                 | -1.39      | 22.43      | <=33.01 | Pass    |

|       |      |    |    |       |       |       |         |      |
|-------|------|----|----|-------|-------|-------|---------|------|
| 16QAM | 1855 | 25 | 49 | 23.67 | -1.39 | 22.28 | <=33.01 | Pass |
|       |      |    | 0  | 22.73 | -1.39 | 21.34 | <=33.01 | Pass |
|       |      |    | 13 | 22.73 | -1.39 | 21.34 | <=33.01 | Pass |
|       |      |    | 25 | 22.74 | -1.39 | 21.35 | <=33.01 | Pass |
|       |      | 50 | 0  | 22.77 | -1.39 | 21.38 | <=33.01 | Pass |
|       | 1880 | 1  | 0  | 23.31 | -1.39 | 21.92 | <=33.01 | Pass |
|       |      |    | 25 | 23.44 | -1.39 | 22.05 | <=33.01 | Pass |
|       |      |    | 49 | 23.24 | -1.39 | 21.85 | <=33.01 | Pass |
|       |      | 25 | 0  | 21.84 | -1.39 | 20.45 | <=33.01 | Pass |
|       |      |    | 13 | 21.88 | -1.39 | 20.49 | <=33.01 | Pass |
|       |      |    | 25 | 21.92 | -1.39 | 20.53 | <=33.01 | Pass |
|       |      | 50 | 0  | 21.85 | -1.39 | 20.46 | <=33.01 | Pass |
|       |      | 1  | 0  | 22.62 | -1.39 | 21.23 | <=33.01 | Pass |
|       |      |    | 25 | 22.77 | -1.39 | 21.38 | <=33.01 | Pass |
|       |      |    | 49 | 22.57 | -1.39 | 21.18 | <=33.01 | Pass |
|       |      | 25 | 0  | 21.71 | -1.39 | 20.32 | <=33.01 | Pass |
|       |      |    | 13 | 21.73 | -1.39 | 20.34 | <=33.01 | Pass |
|       |      |    | 25 | 21.77 | -1.39 | 20.38 | <=33.01 | Pass |
|       |      | 50 | 0  | 21.68 | -1.39 | 20.29 | <=33.01 | Pass |
|       | 1905 | 1  | 0  | 22.77 | -1.39 | 21.38 | <=33.01 | Pass |
|       |      |    | 25 | 23.01 | -1.39 | 21.62 | <=33.01 | Pass |
|       |      |    | 49 | 22.87 | -1.39 | 21.48 | <=33.01 | Pass |
|       |      | 25 | 0  | 21.81 | -1.39 | 20.42 | <=33.01 | Pass |
|       |      |    | 13 | 21.79 | -1.39 | 20.40 | <=33.01 | Pass |
|       |      |    | 25 | 21.78 | -1.39 | 20.39 | <=33.01 | Pass |
|       |      | 50 | 0  | 21.78 | -1.39 | 20.39 | <=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      | 23.68                 | -1.39      | 22.29      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 23.80                 | -1.39      | 22.41      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 23.61                 | -1.39      | 22.22      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 22.83                 | -1.39      | 21.44      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 22.85                 | -1.39      | 21.46      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 22.82                 | -1.39      | 21.43      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 22.82                 | -1.39      | 21.43      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 23.51                 | -1.39      | 22.12      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 23.56                 | -1.39      | 22.17      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 23.44                 | -1.39      | 22.05      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 22.65                 | -1.39      | 21.26      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 22.65                 | -1.39      | 21.26      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 22.65                 | -1.39      | 21.26      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 22.64                 | -1.39      | 21.25      | <=33.01 | Pass    |
|                                   | 1902.5          | 1             | 0      | 23.48                 | -1.39      | 22.09      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 23.67                 | -1.39      | 22.28      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 23.60                 | -1.39      | 22.21      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 22.72                 | -1.39      | 21.33      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 22.71                 | -1.39      | 21.32      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 22.71                 | -1.39      | 21.32      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 22.70                 | -1.39      | 21.31      | <=33.01 | Pass    |
| 16QAM                             | 1857.5          | 1             | 0      | 22.90                 | -1.39      | 21.51      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 22.97                 | -1.39      | 21.58      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 22.75                 | -1.39      | 21.36      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 21.77                 | -1.39      | 20.38      | <=33.01 | Pass    |

|  |        |    |    |       |       |       |         |      |
|--|--------|----|----|-------|-------|-------|---------|------|
|  |        | 75 | 18 | 21.84 | -1.39 | 20.45 | <=33.01 | Pass |
|  |        |    | 39 | 21.78 | -1.39 | 20.39 | <=33.01 | Pass |
|  |        |    | 0  | 21.83 | -1.39 | 20.44 | <=33.01 | Pass |
|  | 1880   | 1  | 0  | 23.07 | -1.39 | 21.68 | <=33.01 | Pass |
|  |        |    | 38 | 23.18 | -1.39 | 21.79 | <=33.01 | Pass |
|  |        |    | 74 | 23.01 | -1.39 | 21.62 | <=33.01 | Pass |
|  |        | 36 | 0  | 21.63 | -1.39 | 20.24 | <=33.01 | Pass |
|  |        |    | 18 | 21.64 | -1.39 | 20.25 | <=33.01 | Pass |
|  |        |    | 39 | 21.64 | -1.39 | 20.25 | <=33.01 | Pass |
|  |        | 75 | 0  | 21.66 | -1.39 | 20.27 | <=33.01 | Pass |
|  | 1902.5 | 1  | 0  | 22.85 | -1.39 | 21.46 | <=33.01 | Pass |
|  |        |    | 38 | 23.08 | -1.39 | 21.69 | <=33.01 | Pass |
|  |        |    | 74 | 22.99 | -1.39 | 21.60 | <=33.01 | Pass |
|  |        | 36 | 0  | 21.68 | -1.39 | 20.29 | <=33.01 | Pass |
|  |        |    | 18 | 21.67 | -1.39 | 20.28 | <=33.01 | Pass |
|  |        |    | 39 | 21.69 | -1.39 | 20.30 | <=33.01 | Pass |
|  |        | 75 | 0  | 21.70 | -1.39 | 20.31 | <=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      | 23.55                 | -1.39      | 22.16      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 23.88                 | -1.39      | 22.49      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 23.44                 | -1.39      | 22.05      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 22.71                 | -1.39      | 21.32      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 22.76                 | -1.39      | 21.37      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.67                 | -1.39      | 21.28      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 22.69                 | -1.39      | 21.30      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 23.35                 | -1.39      | 21.96      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 23.73                 | -1.39      | 22.34      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 23.33                 | -1.39      | 21.94      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 22.62                 | -1.39      | 21.23      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 22.60                 | -1.39      | 21.21      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.55                 | -1.39      | 21.16      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 22.61                 | -1.39      | 21.22      | <=33.01 | Pass    |
|                                   | 1900            | 1             | 0      | 23.29                 | -1.39      | 21.90      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 23.76                 | -1.39      | 22.37      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 23.46                 | -1.39      | 22.07      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 22.66                 | -1.39      | 21.27      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 22.70                 | -1.39      | 21.31      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.56                 | -1.39      | 21.17      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 22.62                 | -1.39      | 21.23      | <=33.01 | Pass    |
| 16QAM                             | 1860            | 1             | 0      | 22.73                 | -1.39      | 21.34      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 23.05                 | -1.39      | 21.66      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 22.61                 | -1.39      | 21.22      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 21.72                 | -1.39      | 20.33      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.77                 | -1.39      | 20.38      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.69                 | -1.39      | 20.30      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 21.70                 | -1.39      | 20.31      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 22.63                 | -1.39      | 21.24      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 23.01                 | -1.39      | 21.62      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 22.59                 | -1.39      | 21.20      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 21.65                 | -1.39      | 20.26      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.65                 | -1.39      | 20.26      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.59                 | -1.39      | 20.20      | <=33.01 | Pass    |



|  |                                          |     |    |       |       |       |         |         |
|--|------------------------------------------|-----|----|-------|-------|-------|---------|---------|
|  |                                          | 100 | 0  | 21.68 | -1.39 | 20.29 | <=33.01 | Pass    |
|  | 1900                                     | 1   | 0  | 22.83 | -1.39 | 21.44 | <=33.01 | Pass    |
|  |                                          |     | 50 | 23.29 | -1.39 | 21.90 | <=33.01 | Pass    |
|  |                                          |     | 99 | 23.05 | -1.39 | 21.66 | <=33.01 | Pass    |
|  |                                          |     | 50 | 0     | 21.69 | -1.39 | 20.30   | <=33.01 |
|  |                                          | 25  |    | 21.70 | -1.39 | 20.31 | <=33.01 | Pass    |
|  |                                          | 50  |    | 21.60 | -1.39 | 20.21 | <=33.01 | Pass    |
|  |                                          | 100 | 0  | 21.66 | -1.39 | 20.27 | <=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          | -10.014          | -0.0054               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 0.415            | 0.0002                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -6.695           | -0.0036               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -1.159           | -0.0006               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 2.489            | 0.0013                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -2.990           | -0.0016               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -4.907           | -0.0027               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 0.472            | 0.0003                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -8.569           | -0.0046               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -2.904           | -0.0016               | -2.5 to 2.5 | Pass    |
|                             | 1880            | 6             | 0      | 20         | 3.27          | -9.913           | -0.0053               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -10.142          | -0.0054               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -7.024           | -0.0037               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -10.142          | -0.0054               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -4.764           | -0.0025               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -9.413           | -0.0050               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 2.003            | 0.0011                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -4.749           | -0.0025               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -6.480           | -0.0034               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -5.379           | -0.0029               | -2.5 to 2.5 | Pass    |
|                             | 1909.3          | 6             | 0      | 20         | 3.27          | -12.918          | -0.0068               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -2.818           | -0.0015               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -8.583           | -0.0045               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -4.020           | -0.0021               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -11.258          | -0.0059               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -1.216           | -0.0006               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -11.830          | -0.0062               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -10.586          | -0.0055               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -12.717          | -0.0067               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -11.001          | -0.0058               | -2.5 to 2.5 | Pass    |
| 16QAM                       | 1850.7          | 6             | 0      | 20         | 3.27          | -6.967           | -0.0038               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -5.207           | -0.0028               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -6.866           | -0.0037               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -3.433           | -0.0019               | -2.5 to 2.5 | Pass    |

|  |        |   |   |     |      |         |         |             |      |
|--|--------|---|---|-----|------|---------|---------|-------------|------|
|  |        |   |   | -20 | 3.85 | -7.467  | -0.0040 | -2.5 to 2.5 | Pass |
|  |        |   |   | -10 | 3.85 | -7.825  | -0.0042 | -2.5 to 2.5 | Pass |
|  |        |   |   | 0   | 3.85 | -9.885  | -0.0053 | -2.5 to 2.5 | Pass |
|  |        |   |   | 10  | 3.85 | -4.206  | -0.0023 | -2.5 to 2.5 | Pass |
|  |        |   |   | 30  | 3.85 | -15.492 | -0.0084 | -2.5 to 2.5 | Pass |
|  |        |   |   | 40  | 3.85 | -0.215  | -0.0001 | -2.5 to 2.5 | Pass |
|  |        |   |   | 50  | 3.85 | -1.016  | -0.0005 | -2.5 to 2.5 | Pass |
|  | 1880   | 6 | 0 | 20  | 3.27 | -4.292  | -0.0023 | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 3.85 | -3.691  | -0.0020 | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 4.43 | -6.294  | -0.0033 | -2.5 to 2.5 | Pass |
|  |        |   |   | -30 | 3.85 | -9.470  | -0.0050 | -2.5 to 2.5 | Pass |
|  |        |   |   | -20 | 3.85 | -4.220  | -0.0022 | -2.5 to 2.5 | Pass |
|  |        |   |   | -10 | 3.85 | -2.174  | -0.0012 | -2.5 to 2.5 | Pass |
|  |        |   |   | 0   | 3.85 | -5.364  | -0.0029 | -2.5 to 2.5 | Pass |
|  |        |   |   | 10  | 3.85 | -7.553  | -0.0040 | -2.5 to 2.5 | Pass |
|  |        |   |   | 30  | 3.85 | -4.735  | -0.0025 | -2.5 to 2.5 | Pass |
|  |        |   |   | 40  | 3.85 | -10.500 | -0.0056 | -2.5 to 2.5 | Pass |
|  |        |   |   | 50  | 3.85 | -13.132 | -0.0070 | -2.5 to 2.5 | Pass |
|  | 1909.3 | 6 | 0 | 20  | 3.27 | -17.824 | -0.0093 | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 3.85 | -7.896  | -0.0041 | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 4.43 | -13.504 | -0.0071 | -2.5 to 2.5 | Pass |
|  |        |   |   | -30 | 3.85 | -3.462  | -0.0018 | -2.5 to 2.5 | Pass |
|  |        |   |   | -20 | 3.85 | -9.041  | -0.0047 | -2.5 to 2.5 | Pass |
|  |        |   |   | -10 | 3.85 | -0.615  | -0.0003 | -2.5 to 2.5 | Pass |
|  |        |   |   | 0   | 3.85 | -5.050  | -0.0026 | -2.5 to 2.5 | Pass |
|  |        |   |   | 10  | 3.85 | -12.503 | -0.0065 | -2.5 to 2.5 | Pass |
|  |        |   |   | 30  | 3.85 | -8.125  | -0.0043 | -2.5 to 2.5 | Pass |
|  |        |   |   | 40  | 3.85 | -5.736  | -0.0030 | -2.5 to 2.5 | Pass |
|  |        |   |   | 50  | 3.85 | -4.177  | -0.0022 | -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          | -15.206          | -0.0082               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -19.999          | -0.0108               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -14.005          | -0.0076               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -16.122          | -0.0087               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -4.578           | -0.0025               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -8.297           | -0.0045               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -10.700          | -0.0058               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -7.739           | -0.0042               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -4.878           | -0.0026               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -8.512           | -0.0046               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | -4.849           | -0.0026               | -2.5 to 2.5 | Pass    |
|                           | 1880            | 15            | 0      | 20         | 3.27          | 2.160            | 0.0011                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 0.043            | 0.0000                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -6.652           | -0.0035               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -9.670           | -0.0051               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -1.988           | -0.0011               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 0.072            | 0.0000                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -3.061           | -0.0016               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -0.401           | -0.0002               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -6.595           | -0.0035               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -5.836           | -0.0031               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | -10.715          | -0.0057               | -2.5 to 2.5 | Pass    |
|                           | 1908.5          | 15            | 0      | 20         | 3.27          | -5.236           | -0.0027               | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
|       |        |    |   |     | 3.85 | -9.356  | -0.0049 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -4.778  | -0.0025 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -1.559  | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -12.417 | -0.0065 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -4.907  | -0.0026 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -9.899  | -0.0052 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 1.116   | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -6.809  | -0.0036 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -4.134  | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -1.903  | -0.0010 | -2.5 to 2.5 | Pass |
| 16QAM | 1851.5 | 15 | 0 | 20  | 3.27 | -11.816 | -0.0064 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -6.266  | -0.0034 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -7.582  | -0.0041 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -10.557 | -0.0057 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -11.101 | -0.0060 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -10.915 | -0.0059 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -9.856  | -0.0053 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -3.419  | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -7.095  | -0.0038 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -9.356  | -0.0051 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 3.476   | 0.0019  | -2.5 to 2.5 | Pass |
|       | 1880   | 15 | 0 | 20  | 3.27 | -7.682  | -0.0041 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 2.575   | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -0.730  | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -10.729 | -0.0057 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 1.616   | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 1.173   | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -13.676 | -0.0073 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -4.735  | -0.0025 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 2.775   | 0.0015  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 1.602   | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -6.795  | -0.0036 | -2.5 to 2.5 | Pass |
|       | 1908.5 | 15 | 0 | 20  | 3.27 | -3.777  | -0.0020 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -2.618  | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -8.225  | -0.0043 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -5.679  | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -4.034  | -0.0021 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -1.502  | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -6.080  | -0.0032 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 1.388   | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -5.822  | -0.0031 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -6.595  | -0.0035 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -7.381  | -0.0039 | -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          | -7.153           | -0.0039               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -9.356           | -0.0051               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -5.465           | -0.0030               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -4.492           | -0.0024               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -10.328          | -0.0056               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 0.672            | 0.0004                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -7.725           | -0.0042               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -7.067           | -0.0038               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -10.986          | -0.0059               | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
|       |        |    |   | 40  | 3.85 | -6.952  | -0.0038 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -5.751  | -0.0031 | -2.5 to 2.5 | Pass |
|       | 1880   | 25 | 0 | 20  | 3.27 | -3.090  | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -7.081  | -0.0038 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -11.988 | -0.0064 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -1.702  | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 0.014   | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -9.170  | -0.0049 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -1.574  | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -3.476  | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -15.764 | -0.0084 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -4.592  | -0.0024 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -1.516  | -0.0008 | -2.5 to 2.5 | Pass |
|       | 1907.5 | 25 | 0 | 20  | 3.27 | -6.695  | -0.0035 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -2.875  | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -4.578  | -0.0024 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -8.097  | -0.0042 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 3.333   | 0.0017  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -3.633  | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -4.749  | -0.0025 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -2.546  | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -2.174  | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 4.506   | 0.0024  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -7.453  | -0.0039 | -2.5 to 2.5 | Pass |
| 16QAM | 1852.5 | 25 | 0 | 20  | 3.27 | -0.515  | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -2.303  | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -9.141  | -0.0049 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -1.402  | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -6.194  | -0.0033 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -1.745  | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -11.759 | -0.0063 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -9.313  | -0.0050 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -8.154  | -0.0044 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 2.189   | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -6.437  | -0.0035 | -2.5 to 2.5 | Pass |
|       | 1880   | 25 | 0 | 20  | 3.27 | -9.384  | -0.0050 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -0.429  | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -10.629 | -0.0057 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -11.816 | -0.0063 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -10.142 | -0.0054 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -11.730 | -0.0062 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -1.674  | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -22.259 | -0.0118 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -5.593  | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -10.314 | -0.0055 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -7.939  | -0.0042 | -2.5 to 2.5 | Pass |
|       | 1907.5 | 25 | 0 | 20  | 3.27 | -2.718  | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -12.274 | -0.0064 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 3.963   | 0.0021  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -4.206  | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -13.576 | -0.0071 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -6.323  | -0.0033 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -6.680  | -0.0035 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -5.007  | -0.0026 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -5.250  | -0.0028 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -3.047  | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -4.549  | -0.0024 | -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          | -6.251           | -0.0034               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -4.320           | -0.0023               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -8.254           | -0.0044               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -8.998           | -0.0049               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -0.100           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 0.243            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -4.649           | -0.0025               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -4.148           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -0.186           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 1.831            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -5.164           | -0.0028               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 50            | 0      | 20         | 3.27          | -3.805           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -9.513           | -0.0051               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -12.074          | -0.0064               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -17.352          | -0.0092               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -5.965           | -0.0032               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -9.055           | -0.0048               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -5.178           | -0.0028               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -13.690          | -0.0073               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -8.483           | -0.0045               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -8.068           | -0.0043               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -7.095           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            | 1905            | 50            | 0      | 20         | 3.27          | -10.872          | -0.0057               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -8.740           | -0.0046               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -9.255           | -0.0049               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -7.997           | -0.0042               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -11.930          | -0.0063               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -11.930          | -0.0063               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -8.926           | -0.0047               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -13.132          | -0.0069               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 2.189            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -3.319           | -0.0017               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 1855            | 50            | 0      | 20         | 3.27          | -1.388           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -6.409           | -0.0035               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 0.501            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -1.817           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -7.524           | -0.0041               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -3.505           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -10.629          | -0.0057               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -8.998           | -0.0049               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -3.390           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -2.031           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -2.117           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 50            | 0      | 20         | 3.27          | -8.826           | -0.0047               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -11.215          | -0.0060               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -6.580           | -0.0035               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -10.586          | -0.0056               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -17.653          | -0.0094               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -3.719           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -9.499           | -0.0051               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -4.663           | -0.0025               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -7.825           | -0.0042               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -2.732           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -12.760          | -0.0068               | -2.5 to 2.5 | Pass    |

|  |      |    |   |     |      |        |         |             |      |
|--|------|----|---|-----|------|--------|---------|-------------|------|
|  | 1905 | 50 | 0 | 20  | 3.27 | -4.592 | -0.0024 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 3.85 | -1.974 | -0.0010 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 4.43 | -2.546 | -0.0013 | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 3.85 | -6.251 | -0.0033 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.85 | -5.765 | -0.0030 | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.85 | -5.550 | -0.0029 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.85 | -6.466 | -0.0034 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.85 | -4.635 | -0.0024 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.85 | -8.712 | -0.0046 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.85 | -9.570 | -0.0050 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.85 | -3.591 | -0.0019 | -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          | -7.353           | -0.0040               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -0.215           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -7.181           | -0.0039               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -2.275           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -4.978           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 1.788            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -3.405           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -4.878           | -0.0026               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 0.687            | 0.0004                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -10.142          | -0.0055               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -3.905           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 75            | 0      | 20         | 3.27          | -4.106           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -6.037           | -0.0032               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -5.879           | -0.0031               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -6.938           | -0.0037               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -11.129          | -0.0059               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -8.140           | -0.0043               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -7.553           | -0.0040               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -8.769           | -0.0047               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -12.002          | -0.0064               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -8.297           | -0.0044               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -6.180           | -0.0033               | -2.5 to 2.5 | Pass    |
|                            | 1902.5          | 75            | 0      | 20         | 3.27          | -6.380           | -0.0034               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -5.279           | -0.0028               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 0.343            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -2.675           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -6.123           | -0.0032               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -6.022           | -0.0032               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -5.364           | -0.0028               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -9.470           | -0.0050               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -2.818           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -2.275           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -3.977           | -0.0021               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 1857.5          | 75            | 0      | 20         | 3.27          | 1.674            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -4.964           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -3.834           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -4.764           | -0.0026               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -5.751           | -0.0031               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 0.000            | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -4.091           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -3.834           | -0.0021               | -2.5 to 2.5 | Pass    |

|  |        |    |   |     |      |         |         |             |      |
|--|--------|----|---|-----|------|---------|---------|-------------|------|
|  | 1880   | 75 | 0 | 30  | 3.85 | 0.329   | 0.0002  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | -9.198  | -0.0050 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | -2.503  | -0.0013 | -2.5 to 2.5 | Pass |
|  |        |    |   | 20  | 3.27 | -11.086 | -0.0059 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | -5.479  | -0.0029 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | -4.578  | -0.0024 | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | -9.341  | -0.0050 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | -9.842  | -0.0052 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | -12.374 | -0.0066 | -2.5 to 2.5 | Pass |
|  | 1902.5 | 75 | 0 | 0   | 3.85 | -5.136  | -0.0027 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | -8.154  | -0.0043 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -12.245 | -0.0065 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | -5.178  | -0.0028 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | -10.400 | -0.0055 | -2.5 to 2.5 | Pass |
|  |        |    |   | 20  | 3.27 | -2.732  | -0.0014 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | -4.864  | -0.0026 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | -5.836  | -0.0031 | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | -1.001  | -0.0005 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | -4.377  | -0.0023 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | -10.772 | -0.0057 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -5.093  | -0.0027 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | -2.546  | -0.0013 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -0.844  | -0.0004 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | -0.801  | -0.0004 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | -2.103  | -0.0011 | -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          | -8.268           | -0.0044               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -9.985           | -0.0054               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -9.799           | -0.0053               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -0.629           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -7.882           | -0.0042               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -2.975           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -7.510           | -0.0040               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -5.608           | -0.0030               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -3.519           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -6.680           | -0.0036               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -5.522           | -0.0030               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 100           | 0      | 20         | 3.27          | -11.787          | -0.0063               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -5.207           | -0.0028               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -10.099          | -0.0054               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -0.486           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -13.504          | -0.0072               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -6.108           | -0.0032               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -6.523           | -0.0035               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -6.680           | -0.0036               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -7.896           | -0.0042               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -5.765           | -0.0031               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -5.236           | -0.0028               | -2.5 to 2.5 | Pass    |
|                            | 1900            | 100           | 0      | 20         | 3.27          | -13.189          | -0.0069               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -7.639           | -0.0040               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -3.533           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -5.121           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -4.148           | -0.0022               | -2.5 to 2.5 | Pass    |

|       |      |     |   |     |      |         |         |             |      |
|-------|------|-----|---|-----|------|---------|---------|-------------|------|
| 16QAM | 1860 | 100 | 0 | -10 | 3.85 | -7.954  | -0.0042 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | 0.086   | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -7.238  | -0.0038 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -5.407  | -0.0028 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -6.480  | -0.0034 | -2.5 to 2.5 | Pass |
|       | 1880 | 100 | 0 | 50  | 3.85 | -6.409  | -0.0034 | -2.5 to 2.5 | Pass |
|       |      |     |   | 20  | 3.27 | -1.774  | -0.0010 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -1.402  | -0.0008 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -7.553  | -0.0041 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -0.901  | -0.0005 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -1.502  | -0.0008 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -2.561  | -0.0014 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -7.153  | -0.0038 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -0.916  | -0.0005 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -6.194  | -0.0033 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -3.448  | -0.0019 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -2.532  | -0.0014 | -2.5 to 2.5 | Pass |
|       | 1900 | 100 | 0 | 20  | 3.27 | -5.264  | -0.0028 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -7.095  | -0.0038 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -8.340  | -0.0044 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -8.111  | -0.0043 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -8.883  | -0.0047 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -6.509  | -0.0035 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -9.141  | -0.0049 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -9.727  | -0.0052 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -2.847  | -0.0015 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -8.297  | -0.0044 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -7.482  | -0.0040 | -2.5 to 2.5 | Pass |
|       |      |     |   | 20  | 3.27 | -5.665  | -0.0030 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -6.065  | -0.0032 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -12.474 | -0.0066 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -6.552  | -0.0034 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -5.250  | -0.0028 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -11.015 | -0.0058 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -2.689  | -0.0014 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -7.610  | -0.0040 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -7.696  | -0.0041 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -5.879  | -0.0031 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -8.211  | -0.0043 | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

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

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

##### 3.1.2 B2\_3MHz

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

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

### 3.1.3 B2\_5MHz

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

### 3.1.4 B2\_10MHz

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

### 3.1.5 B2\_15MHz

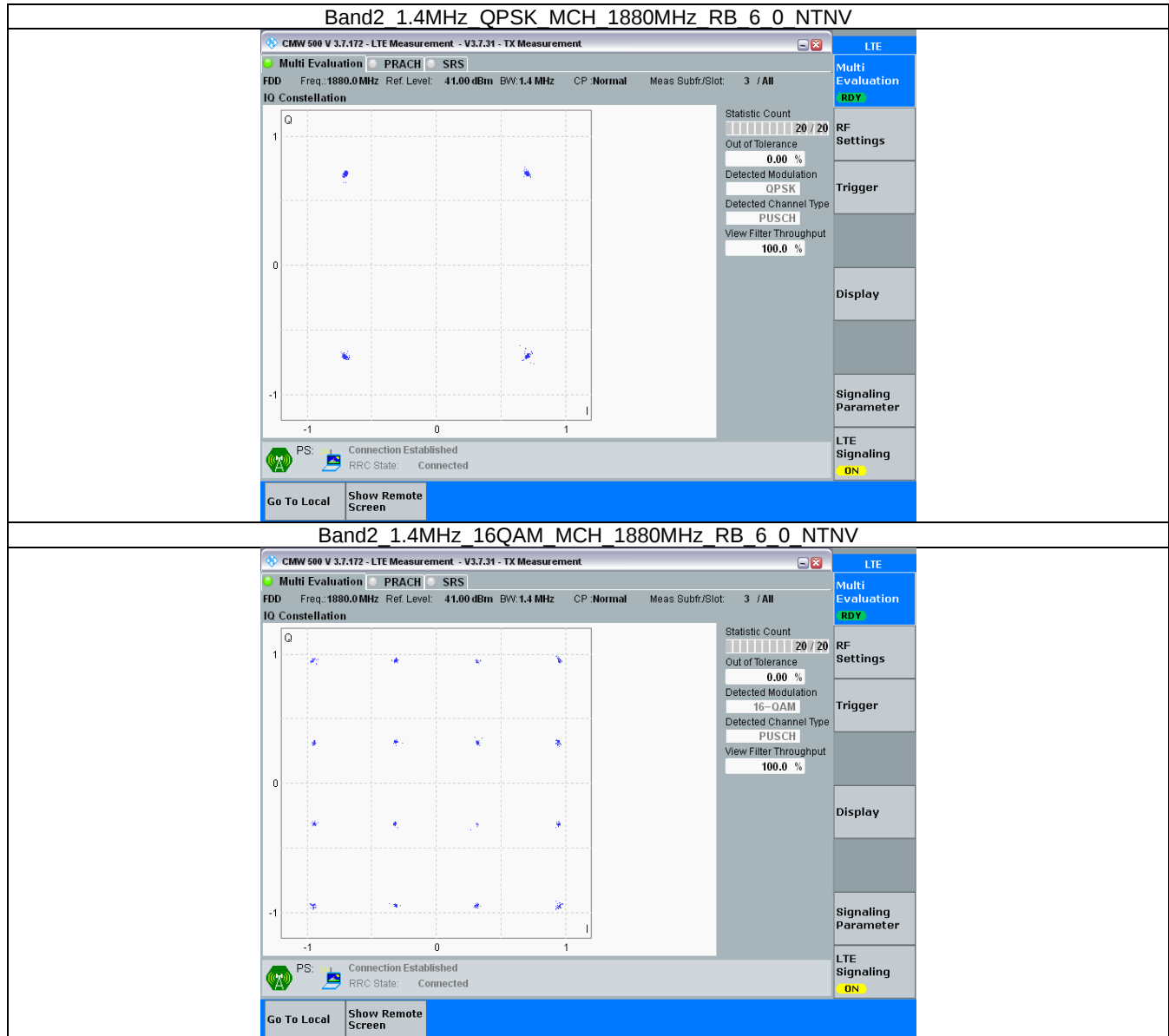
| Band: 2 / Bandwidth: 15MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency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

### 3.1.6 B2\_20MHz

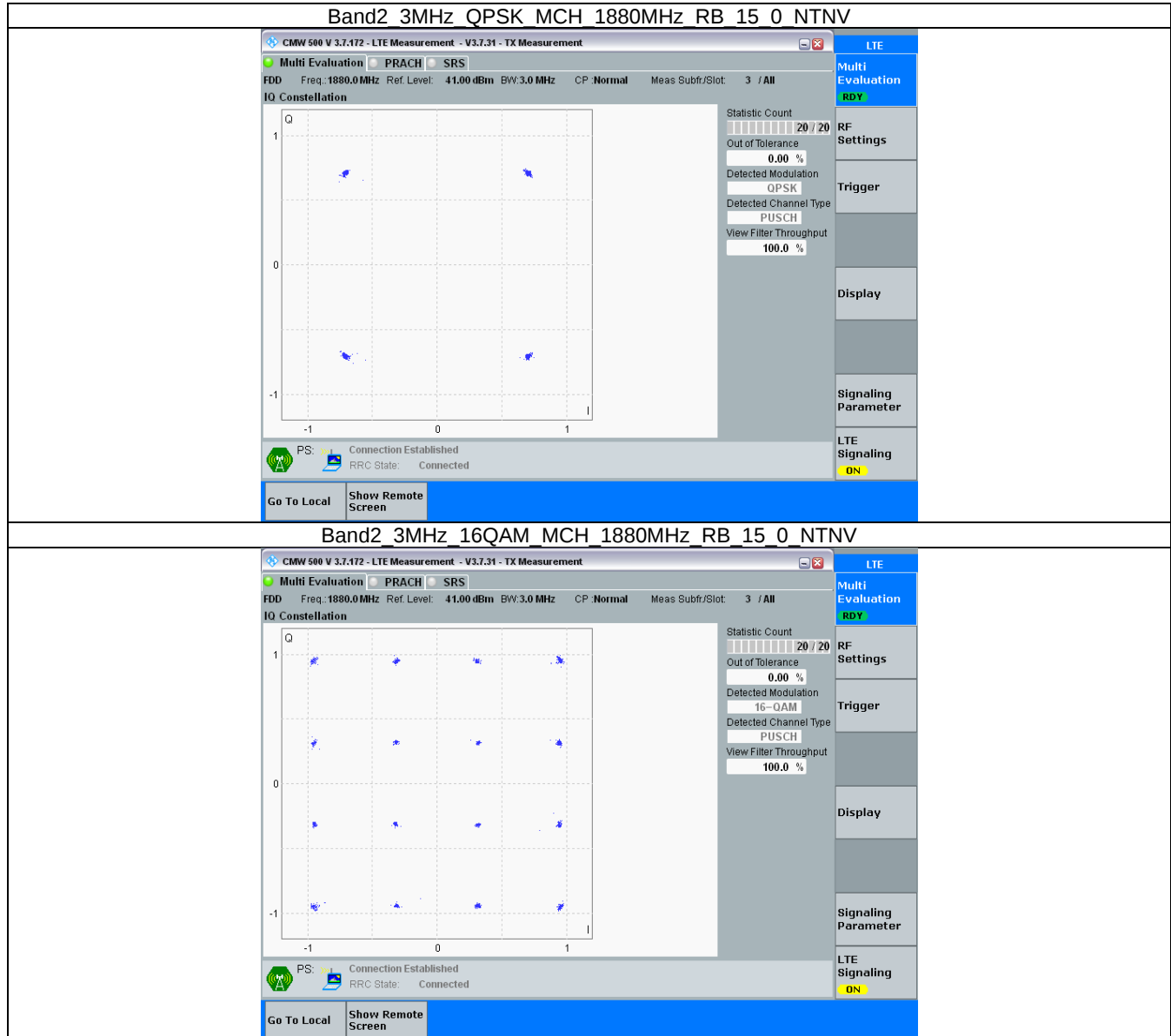
| Band: 2 / Bandwidth: 20MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency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

## 3.2 Test Graph

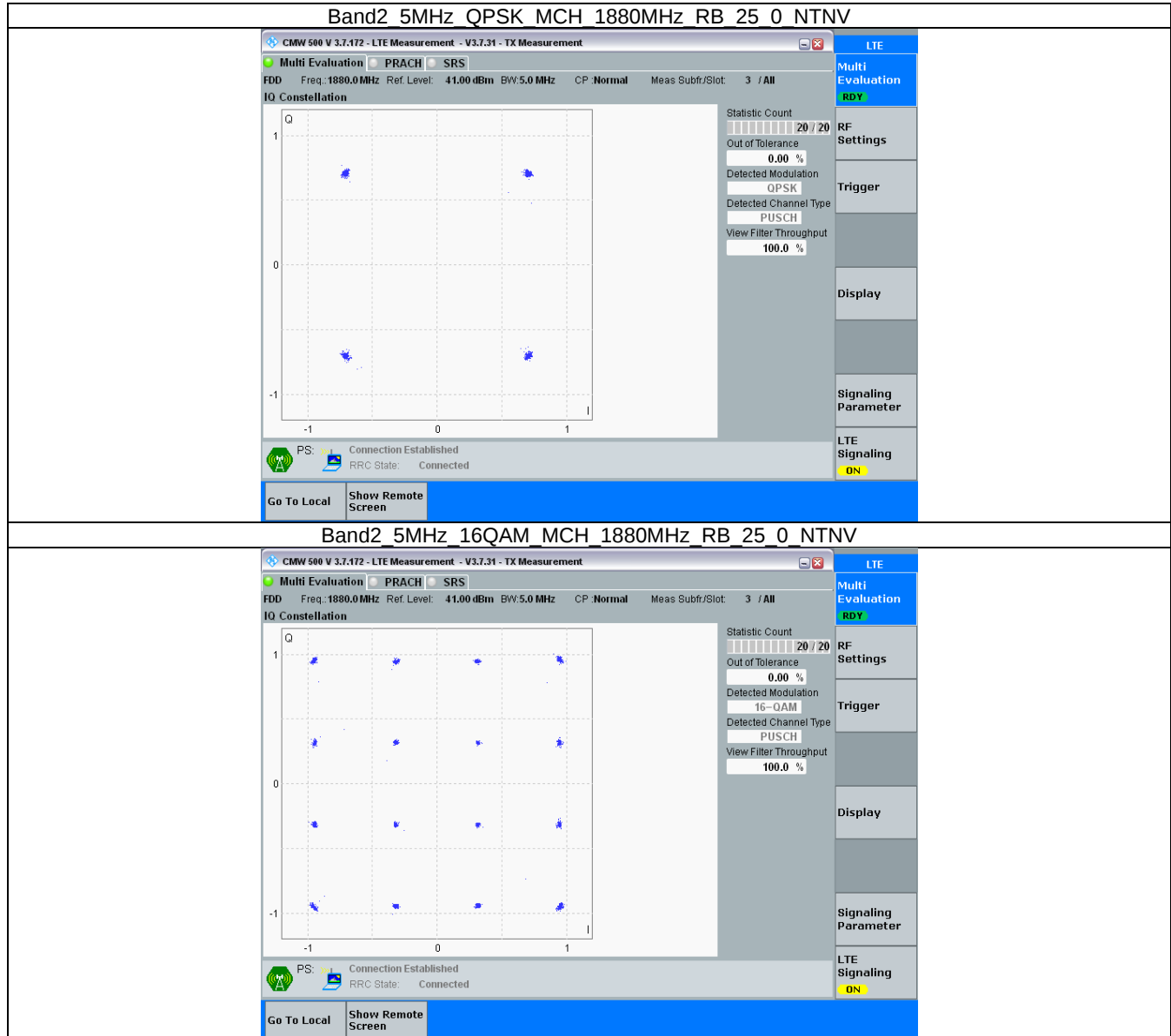
### 3.2.1 B2\_1.4MHz



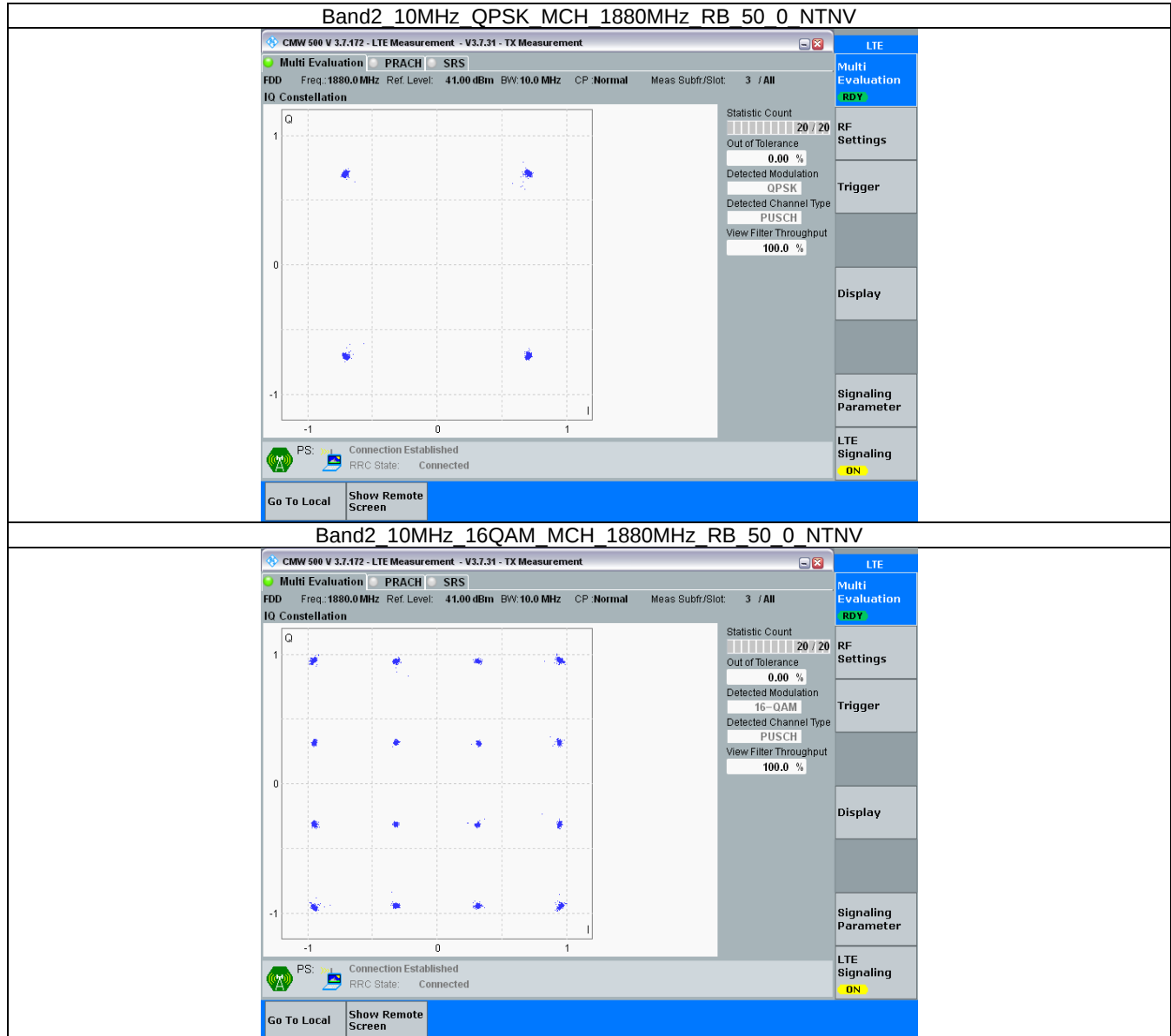
### 3.2.2 B2\_3MHz



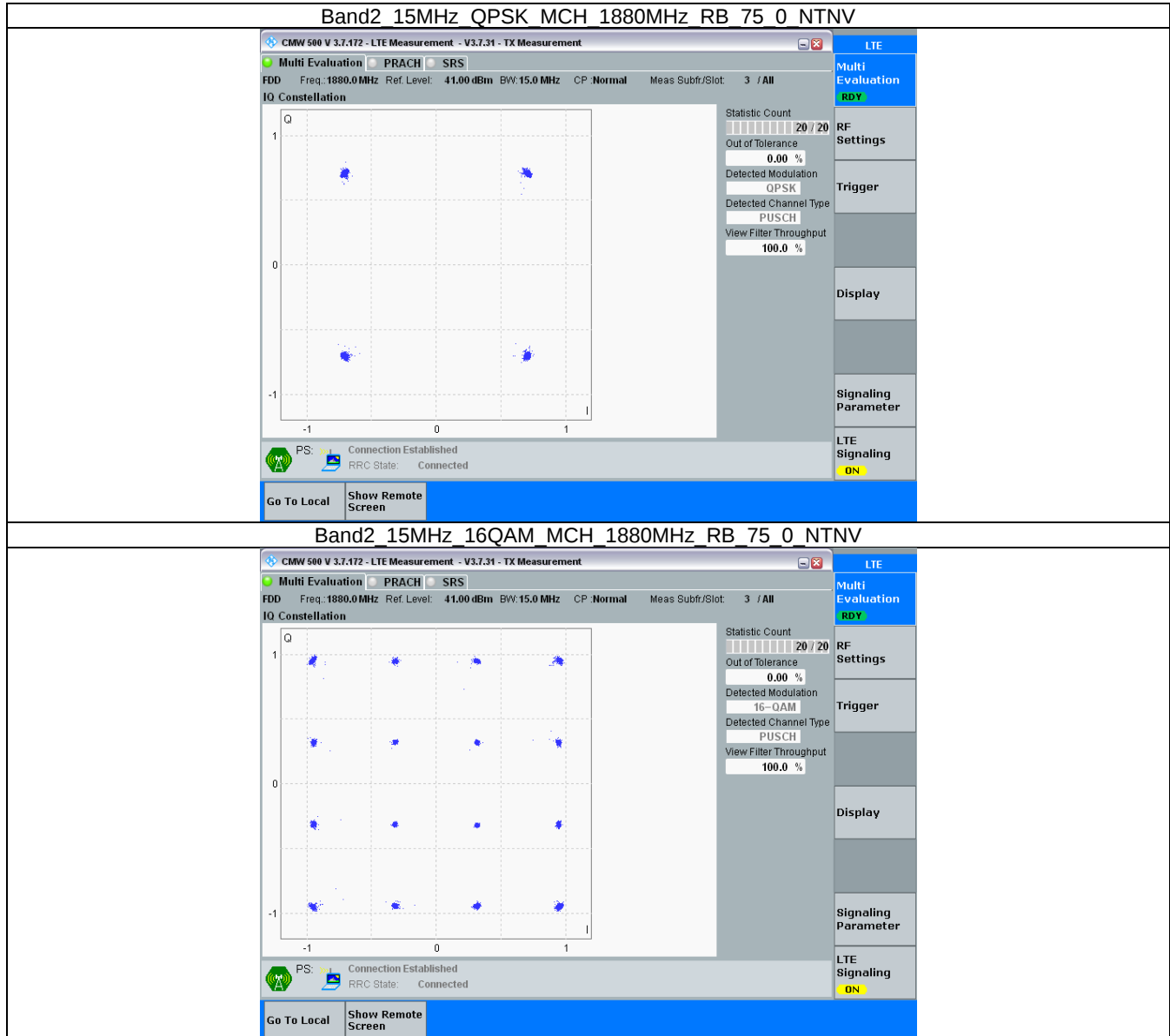
### 3.2.3 B2\_5MHz



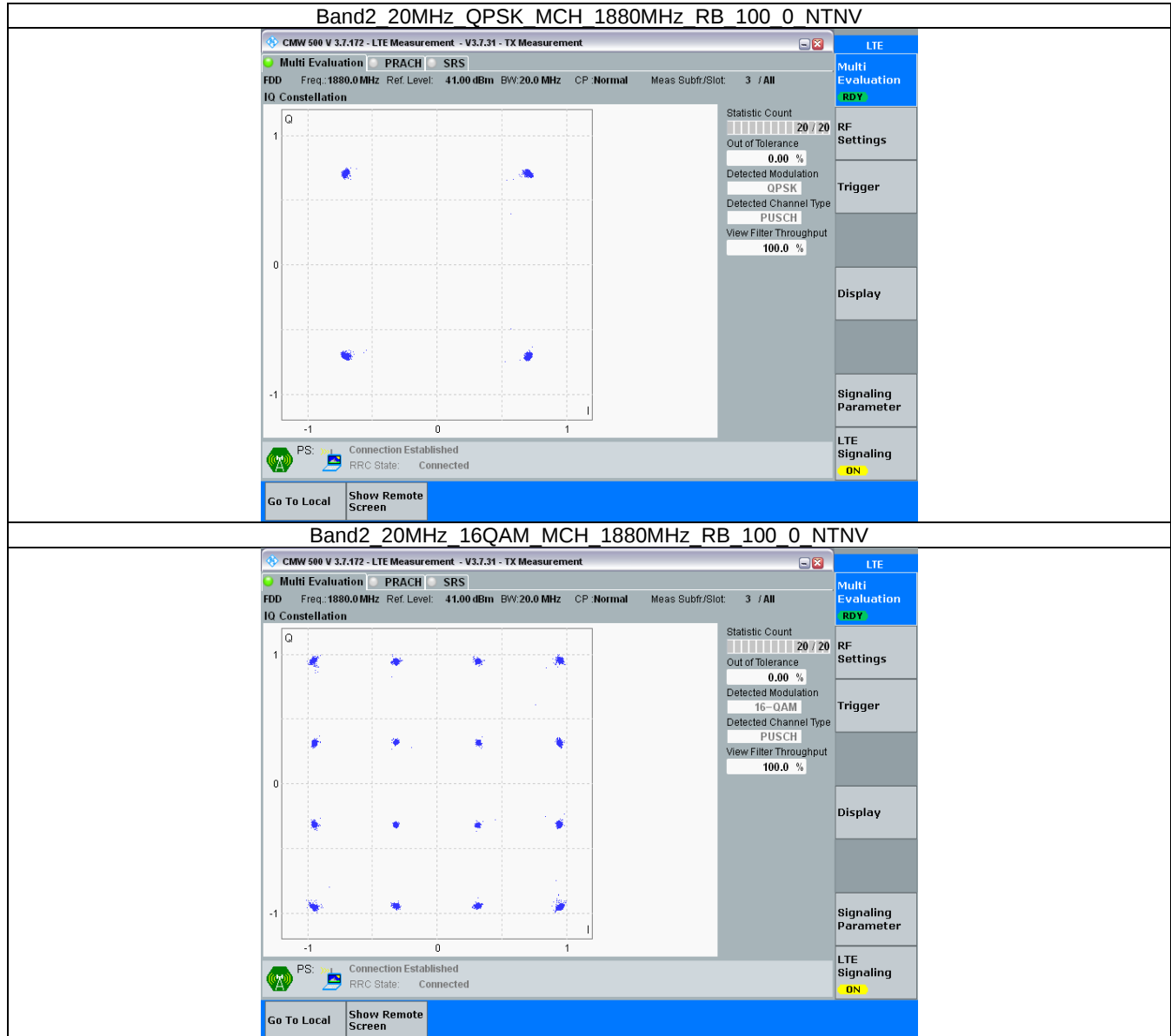
### 3.2.4 B2\_10MHz



### 3.2.5 B2\_15MHz



### 3.2.6 B2\_20MHz



## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 Band2\_OBW

| Band: 2 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 1850.7          | 6             | 0      | 1.110                        | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.117                        | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.117                        | /     | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.111                        | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.110                        | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.106                        | /     | Pass    |
| 3               | QPSK       | 1851.5          | 15            | 0      | 2.723                        | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 2.730                        | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.734                        | /     | Pass    |
|                 | 16QAM      | 1851.5          | 15            | 0      | 2.713                        | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 2.714                        | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.728                        | /     | Pass    |
| 5               | QPSK       | 1852.5          | 25            | 0      | 4.553                        | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 4.535                        | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.549                        | /     | Pass    |
|                 | 16QAM      | 1852.5          | 25            | 0      | 4.571                        | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 4.530                        | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.543                        | /     | Pass    |
| 10              | QPSK       | 1855            | 50            | 0      | 9.028                        | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.072                        | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 9.070                        | /     | Pass    |
|                 | 16QAM      | 1855            | 50            | 0      | 9.040                        | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.082                        | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 9.067                        | /     | Pass    |
| 15              | QPSK       | 1857.5          | 75            | 0      | 13.530                       | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 13.601                       | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.575                       | /     | Pass    |
|                 | 16QAM      | 1857.5          | 75            | 0      | 13.540                       | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 13.642                       | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.583                       | /     | Pass    |
| 20              | QPSK       | 1860            | 100           | 0      | 18.074                       | /     | Pass    |
|                 |            | 1880            | 100           | 0      | 18.135                       | /     | Pass    |
|                 |            | 1900            | 100           | 0      | 18.078                       | /     | Pass    |
|                 | 16QAM      | 1860            | 100           | 0      | 18.072                       | /     | Pass    |
|                 |            | 1880            | 100           | 0      | 18.224                       | /     | Pass    |
|                 |            | 1900            | 100           | 0      | 18.103                       | /     | Pass    |

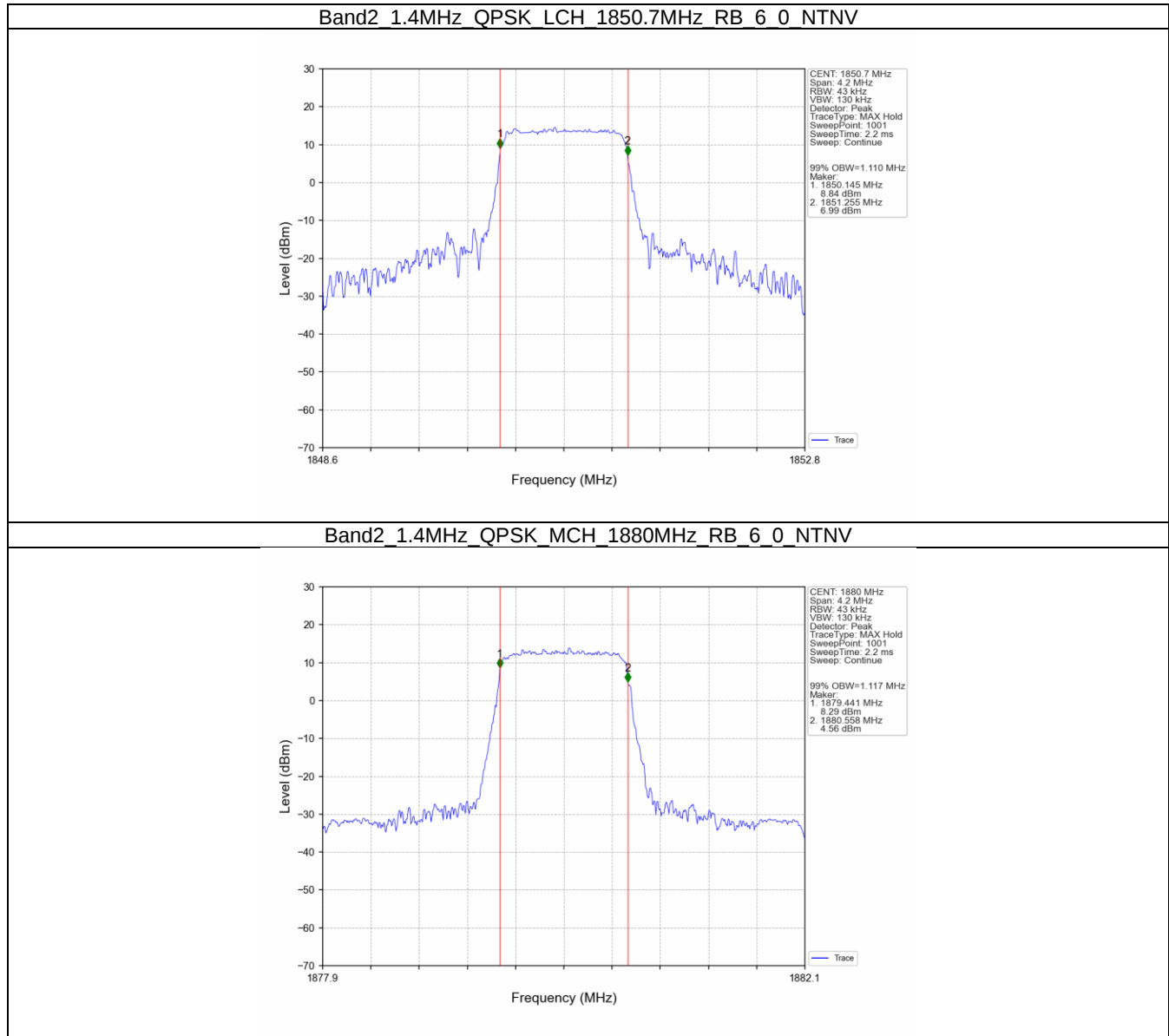
#### 4.1.2 Band2\_XDB

| 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      | 1.316                | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.314                | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.337                | /     | Pass    |

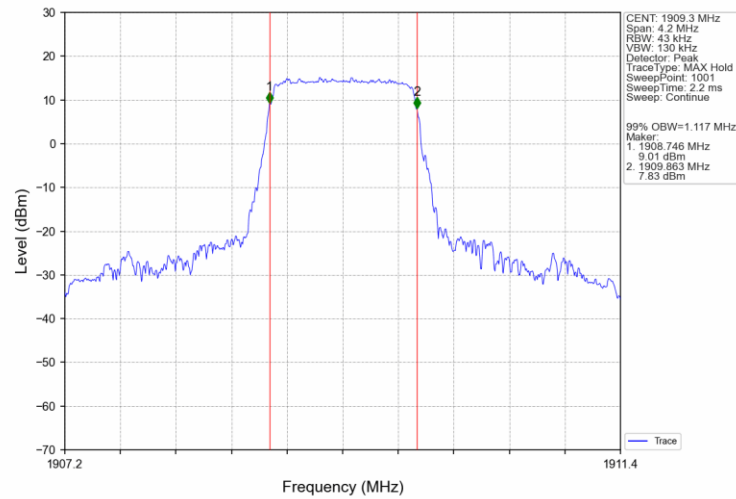
|    |       |        |     |   |        |   |      |
|----|-------|--------|-----|---|--------|---|------|
|    | 16QAM | 1850.7 | 6   | 0 | 1.325  | / | Pass |
|    |       | 1880   | 6   | 0 | 1.323  | / | Pass |
|    |       | 1909.3 | 6   | 0 | 1.304  | / | Pass |
| 3  | QPSK  | 1851.5 | 15  | 0 | 3.009  | / | Pass |
|    |       | 1880   | 15  | 0 | 2.990  | / | Pass |
|    |       | 1908.5 | 15  | 0 | 3.002  | / | Pass |
|    | 16QAM | 1851.5 | 15  | 0 | 2.997  | / | Pass |
|    |       | 1880   | 15  | 0 | 2.985  | / | Pass |
|    |       | 1908.5 | 15  | 0 | 2.998  | / | Pass |
| 5  | QPSK  | 1852.5 | 25  | 0 | 5.989  | / | Pass |
|    |       | 1880   | 25  | 0 | 5.007  | / | Pass |
|    |       | 1907.5 | 25  | 0 | 5.043  | / | Pass |
|    | 16QAM | 1852.5 | 25  | 0 | 5.854  | / | Pass |
|    |       | 1880   | 25  | 0 | 4.964  | / | Pass |
|    |       | 1907.5 | 25  | 0 | 5.018  | / | Pass |
| 10 | QPSK  | 1855   | 50  | 0 | 11.340 | / | Pass |
|    |       | 1880   | 50  | 0 | 10.029 | / | Pass |
|    |       | 1905   | 50  | 0 | 9.953  | / | Pass |
|    | 16QAM | 1855   | 50  | 0 | 9.929  | / | Pass |
|    |       | 1880   | 50  | 0 | 9.973  | / | Pass |
|    |       | 1905   | 50  | 0 | 10.006 | / | Pass |
| 15 | QPSK  | 1857.5 | 75  | 0 | 14.772 | / | Pass |
|    |       | 1880   | 75  | 0 | 14.824 | / | Pass |
|    |       | 1902.5 | 75  | 0 | 14.887 | / | Pass |
|    | 16QAM | 1857.5 | 75  | 0 | 14.805 | / | Pass |
|    |       | 1880   | 75  | 0 | 14.887 | / | Pass |
|    |       | 1902.5 | 75  | 0 | 14.915 | / | Pass |
| 20 | QPSK  | 1860   | 100 | 0 | 19.687 | / | Pass |
|    |       | 1880   | 100 | 0 | 19.605 | / | Pass |
|    |       | 1900   | 100 | 0 | 19.758 | / | Pass |
|    | 16QAM | 1860   | 100 | 0 | 19.633 | / | Pass |
|    |       | 1880   | 100 | 0 | 19.712 | / | Pass |
|    |       | 1900   | 100 | 0 | 19.643 | / | Pass |

## 4.2 Test Graph

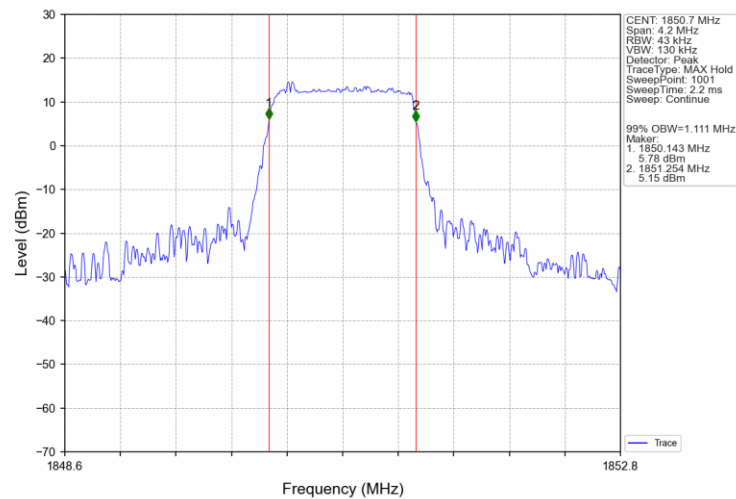
### 4.2.1 Band2\_OBW



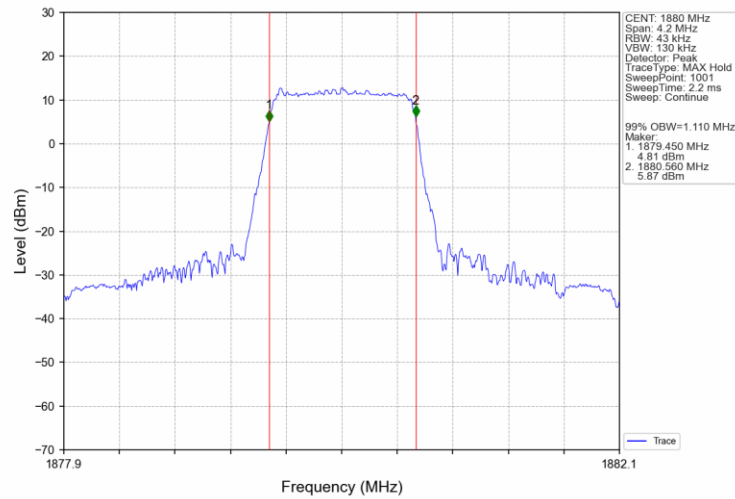
Band2 1.4MHz QPSK HCH 1909.3MHz RB 6 0 NTV



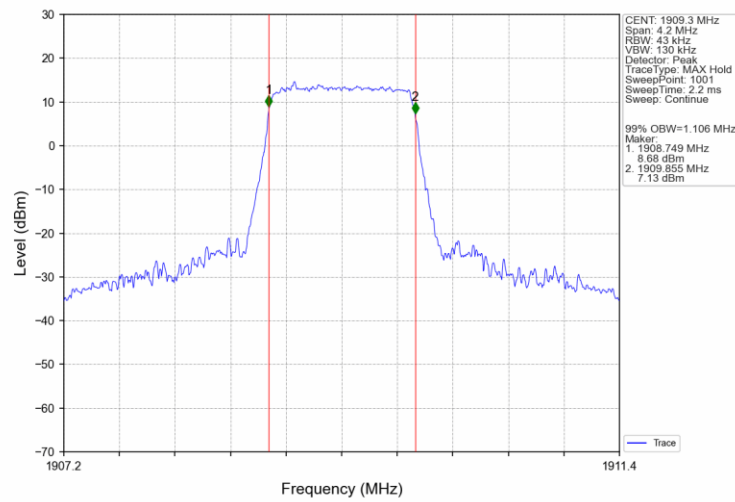
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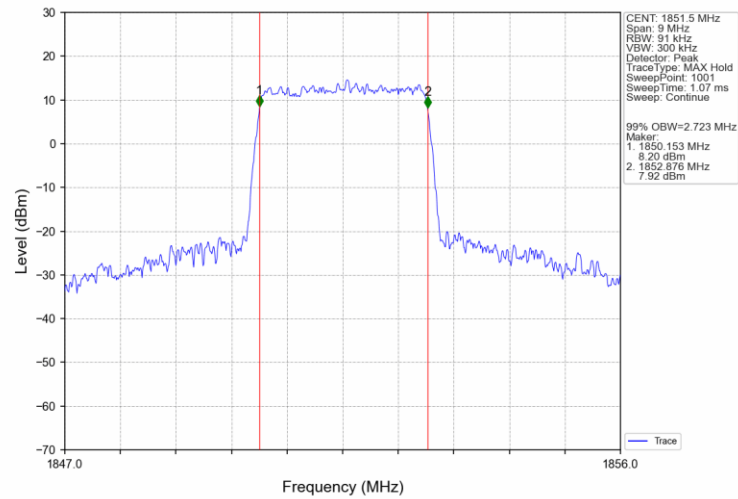
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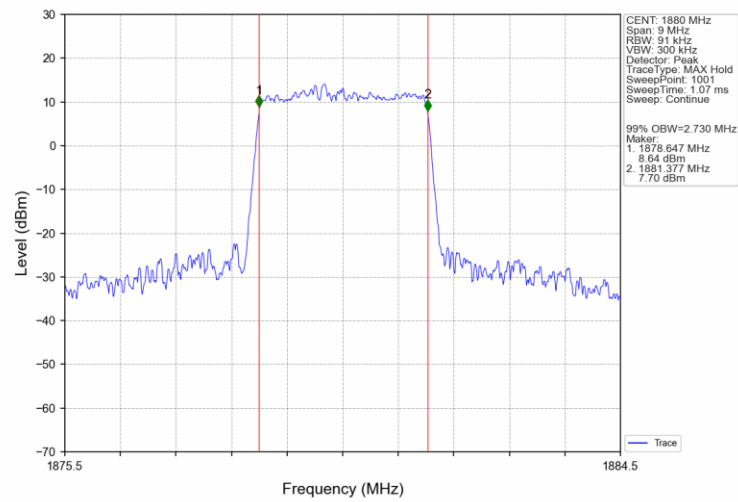
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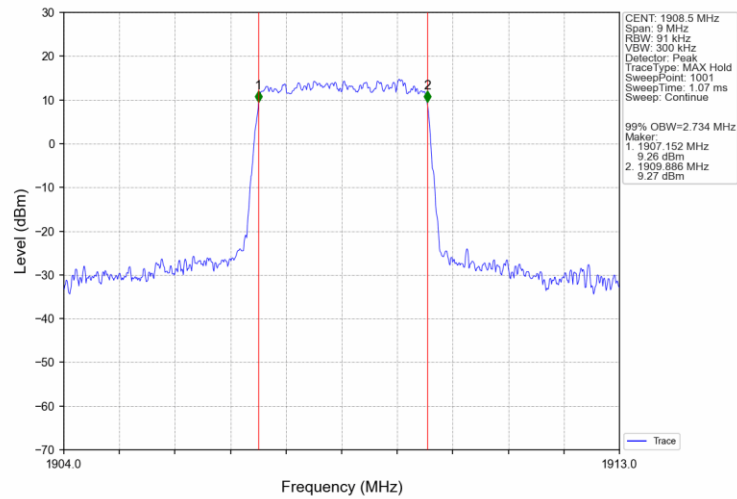
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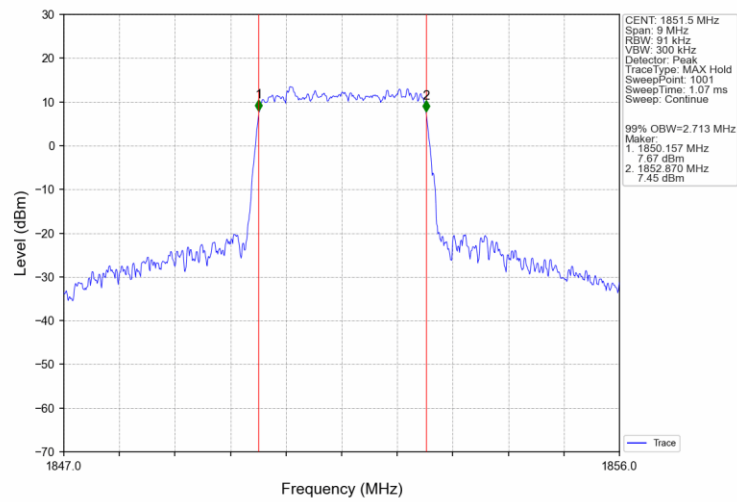
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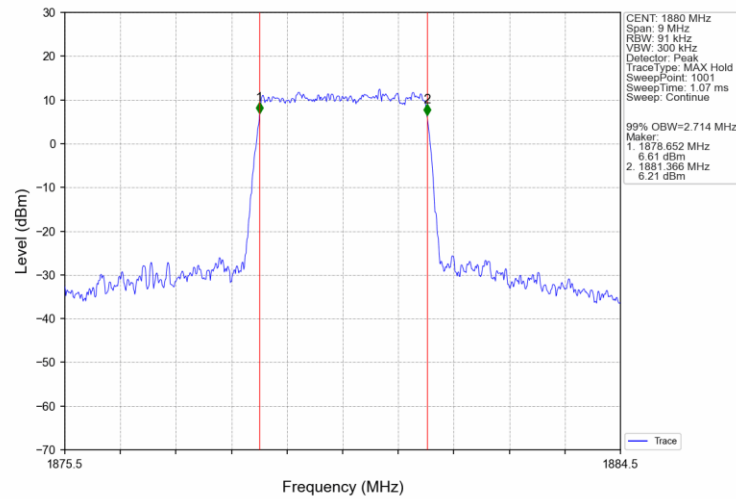
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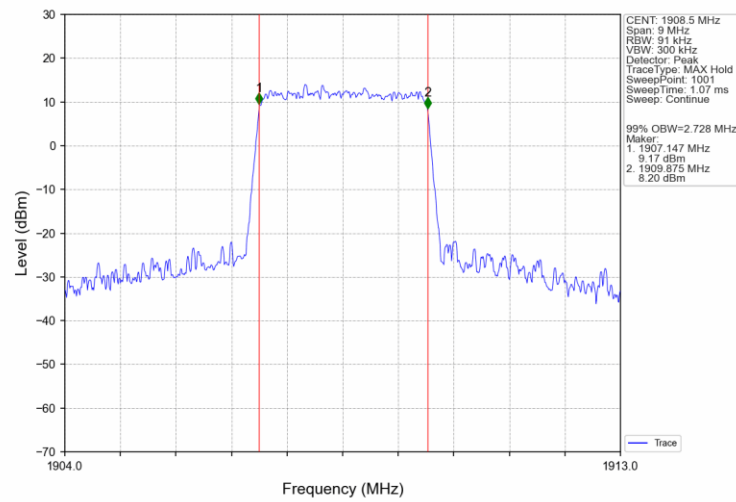
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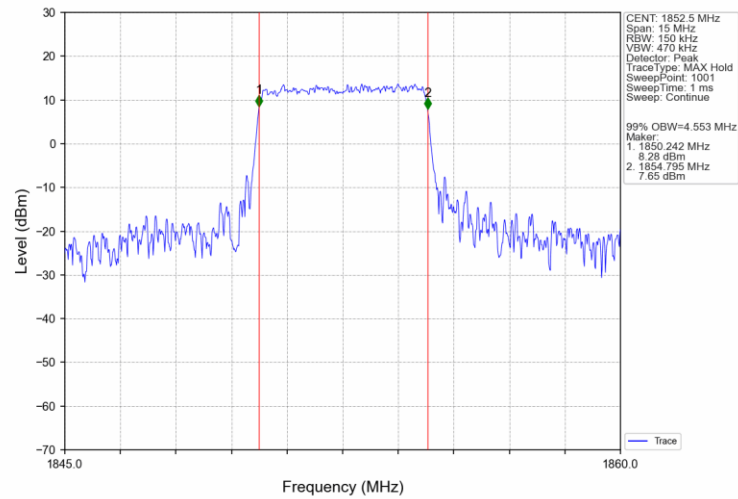
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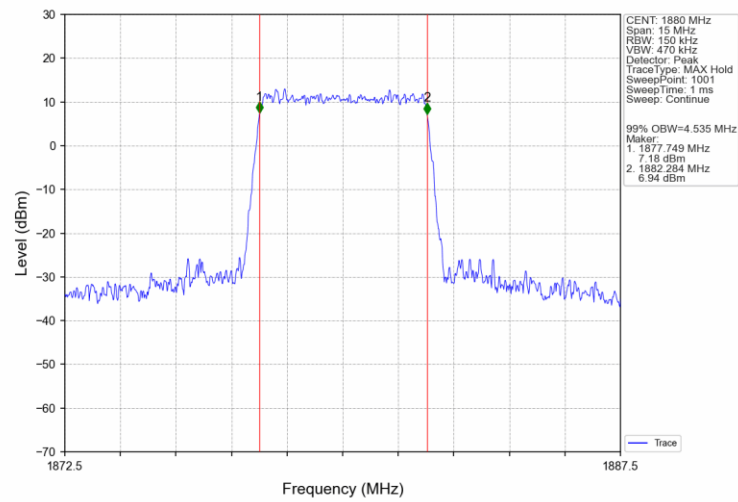
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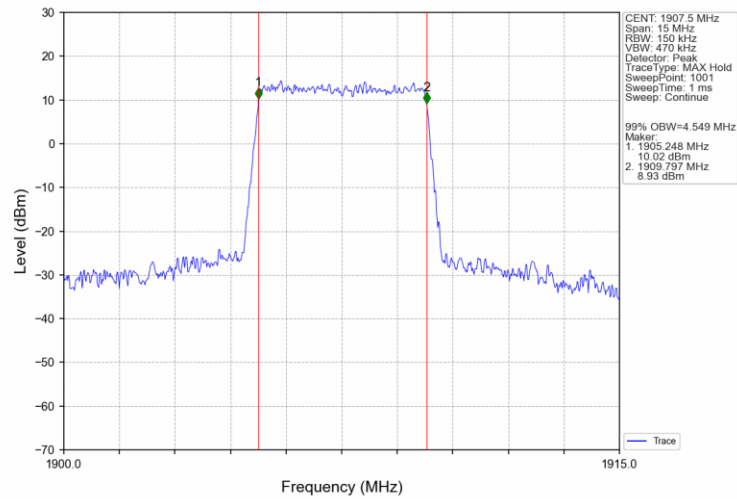
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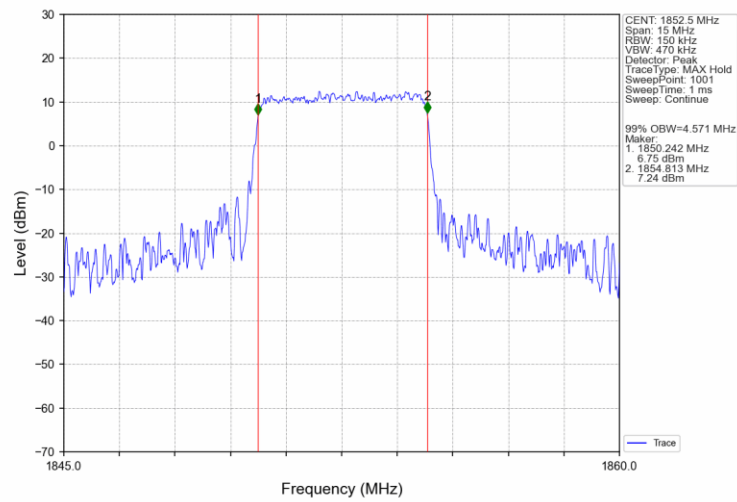
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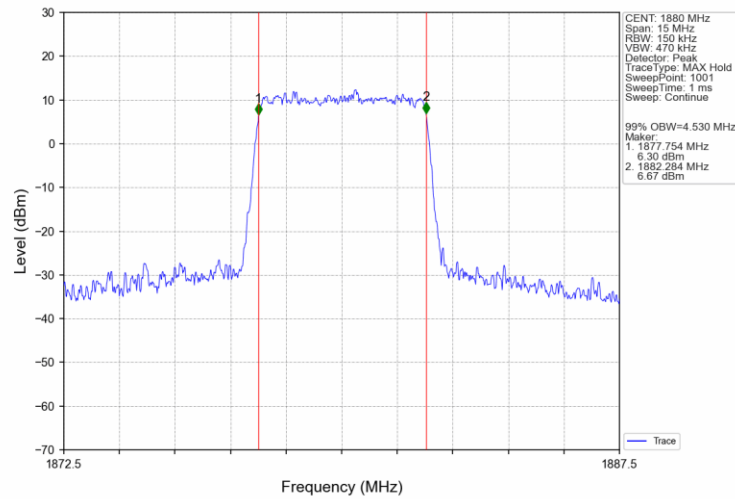
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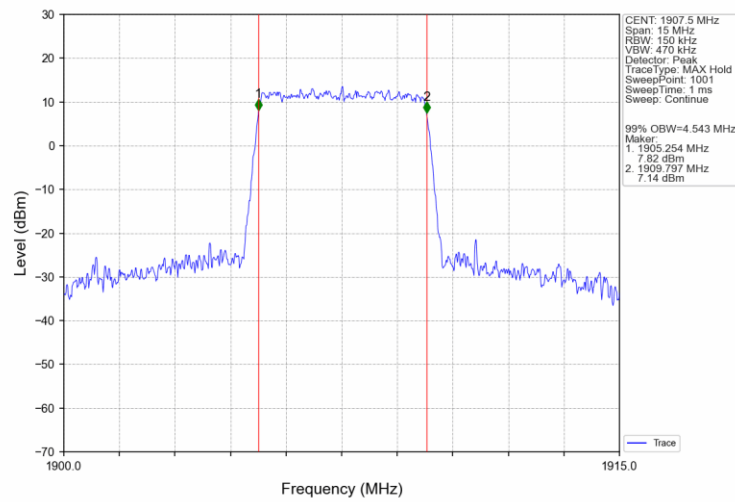
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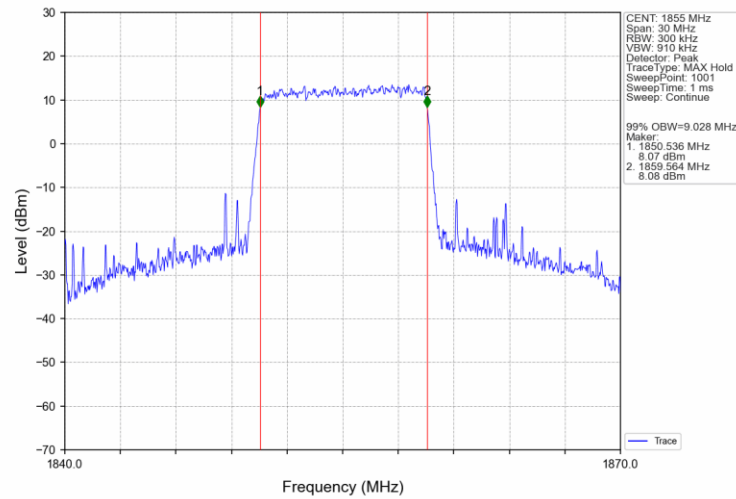
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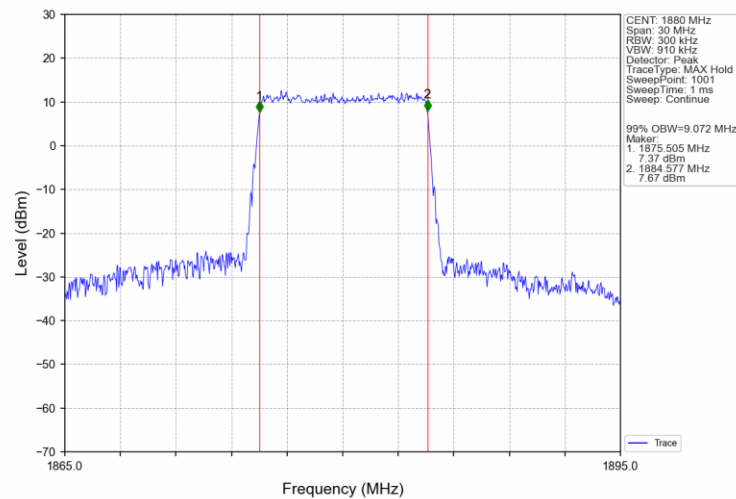
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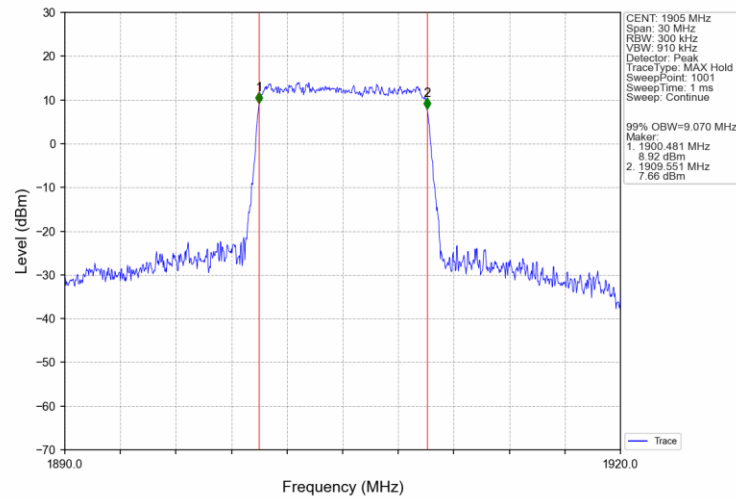
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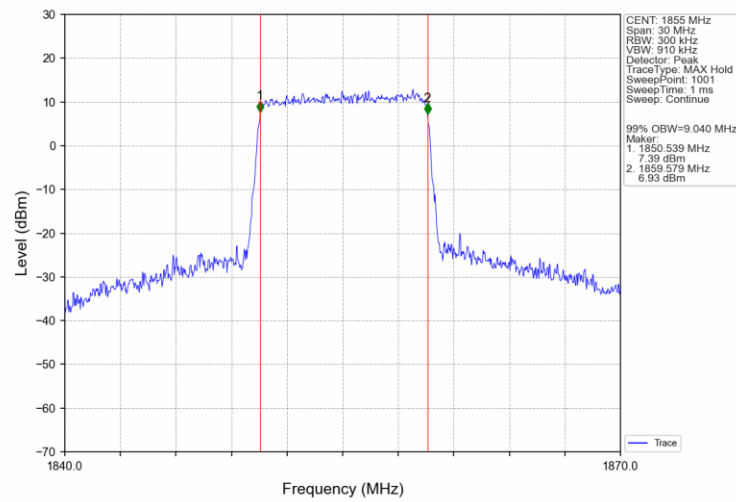
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Band2 10MHz QPSK HCH 1905MHz RB 50 0 NTNV

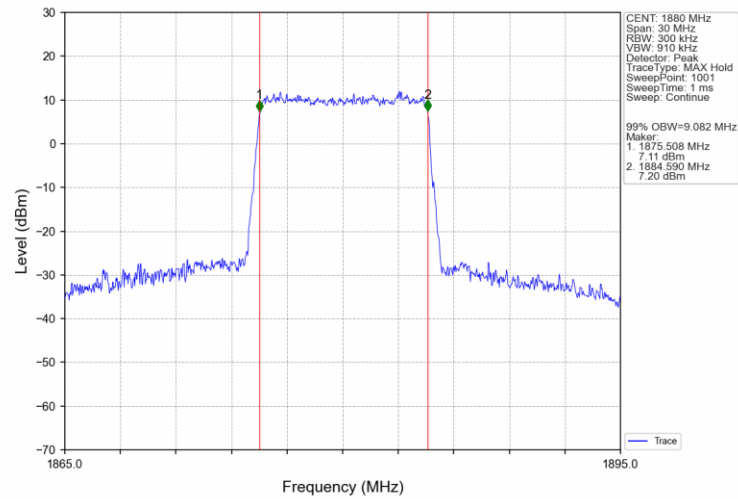


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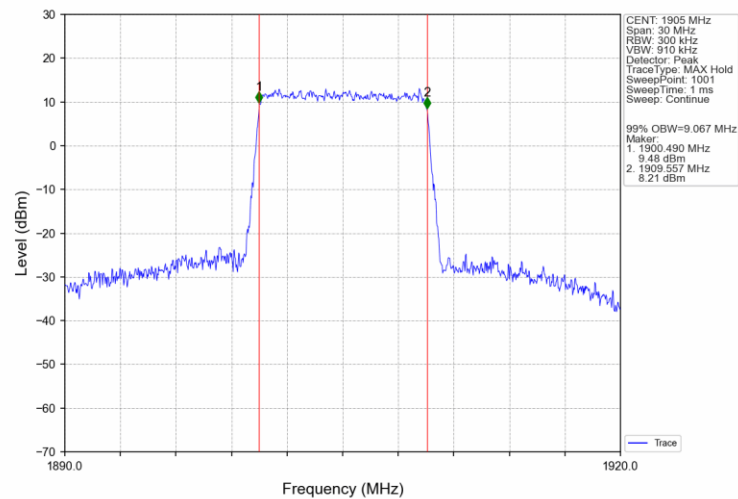




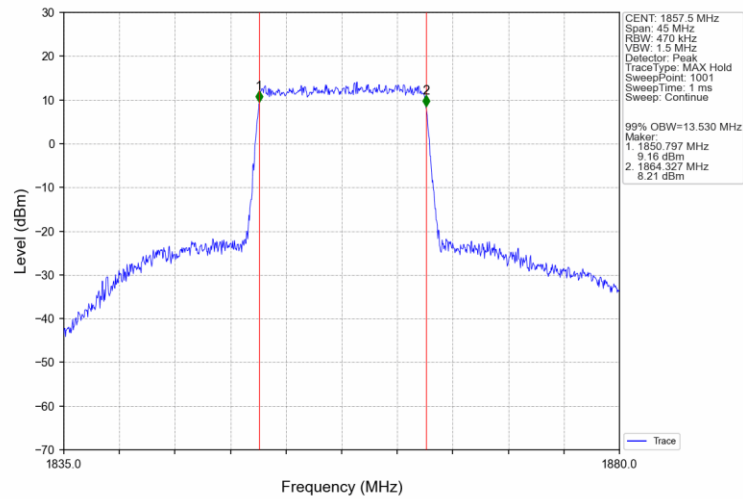
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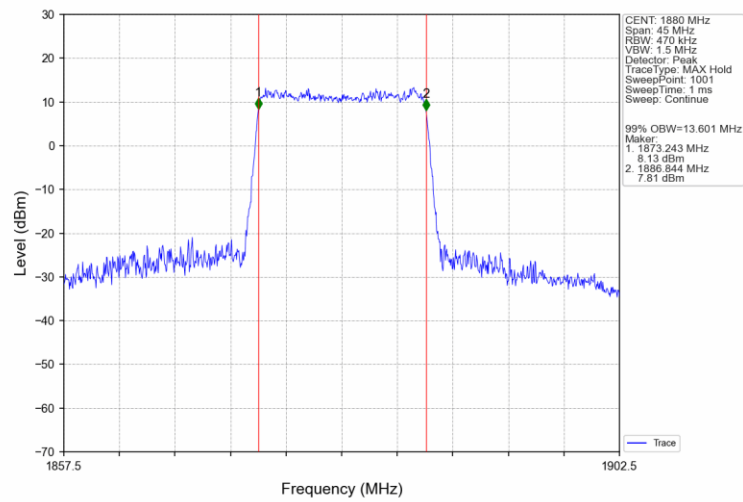
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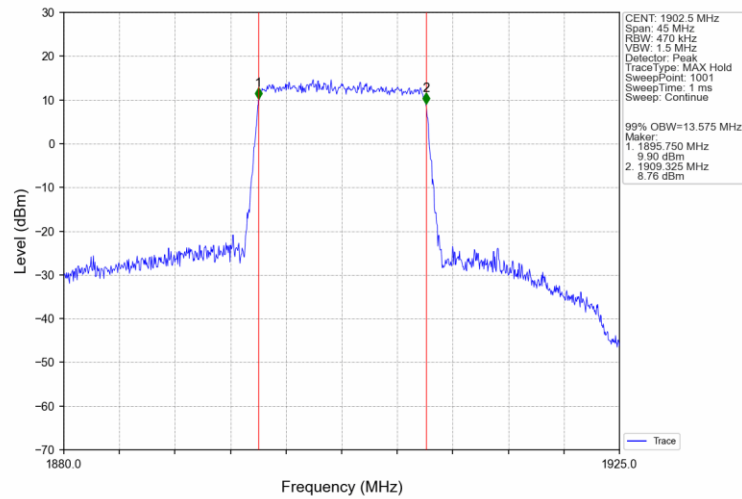
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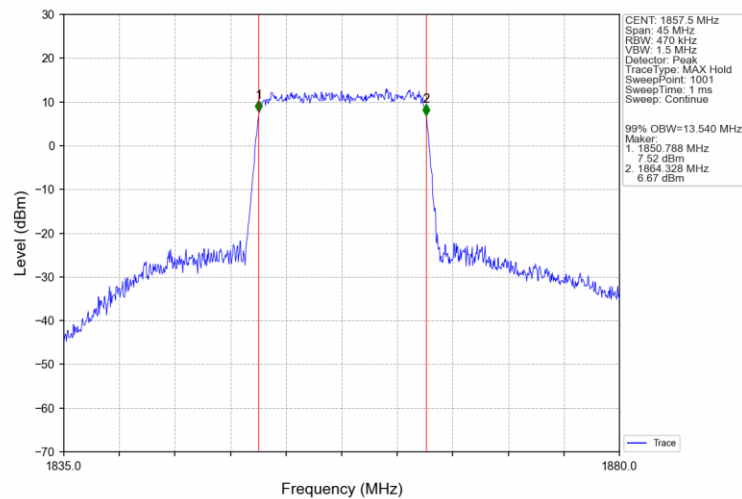
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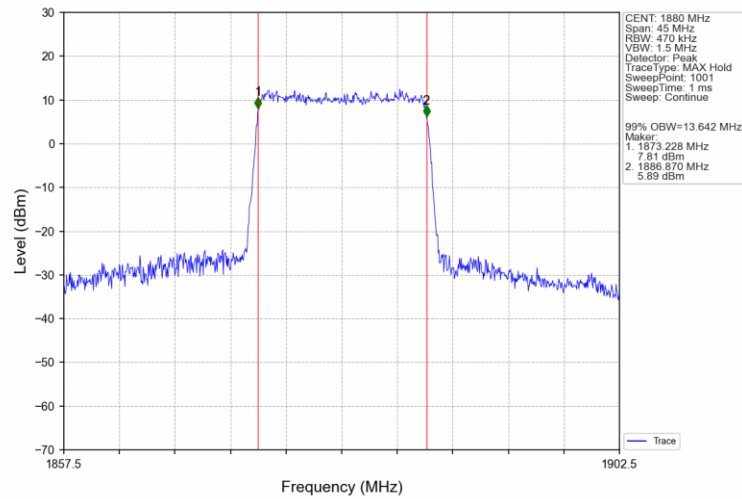
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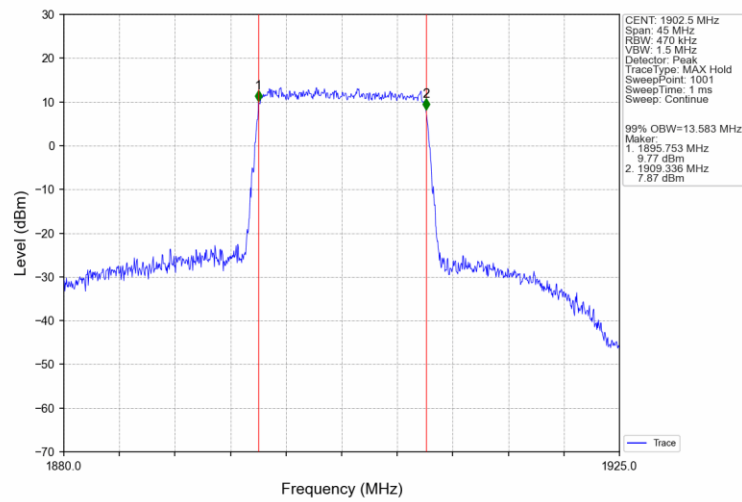
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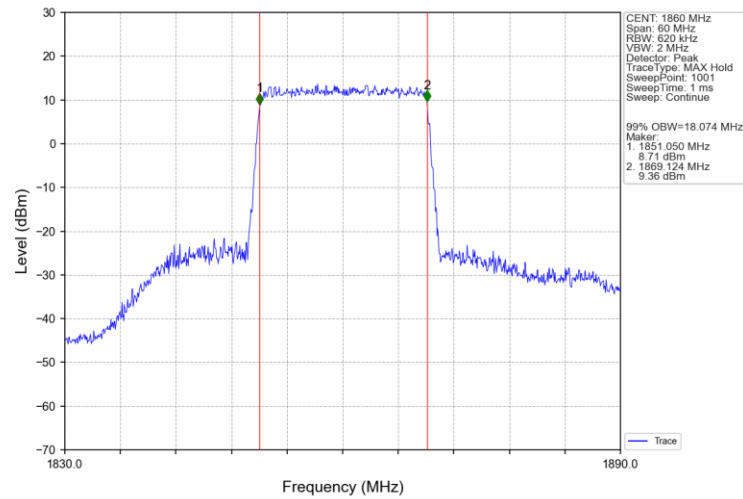
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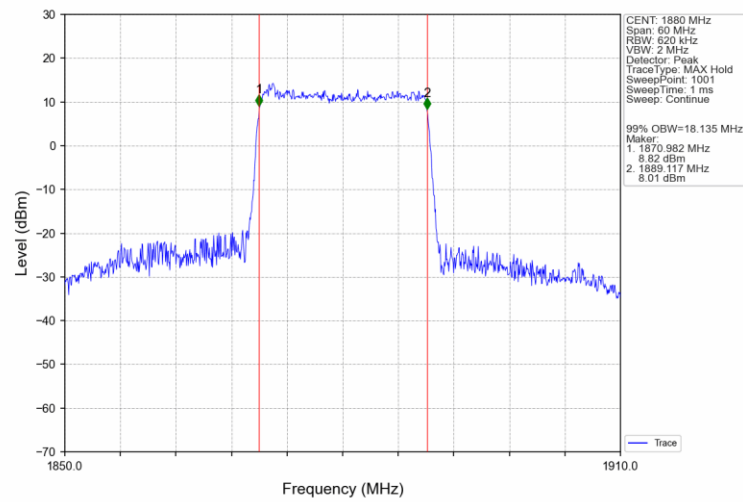
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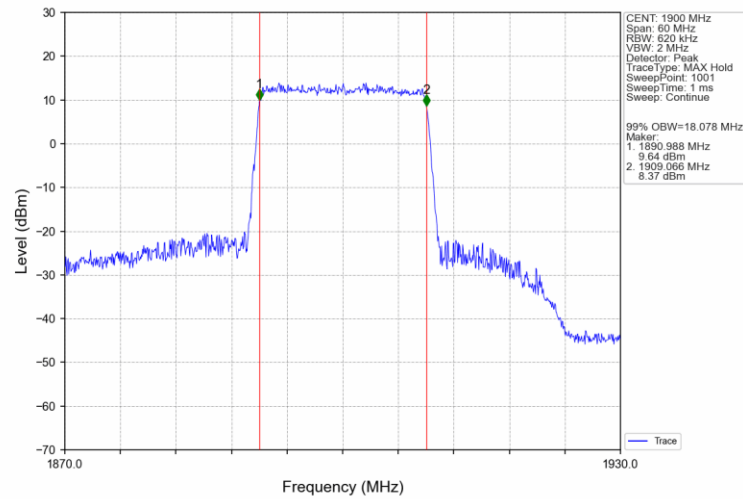
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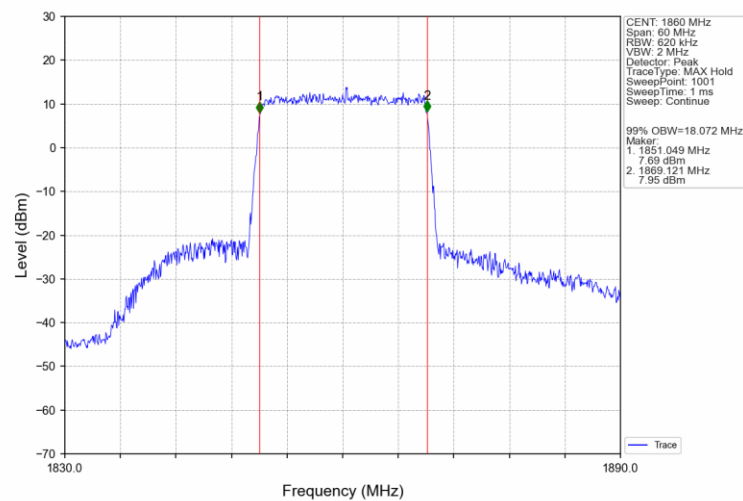
Band2\_20MHz\_QPSK\_MCH\_1880MHz\_RB\_100\_0\_NTNV



Band2 20MHz QPSK HCH 1900MHz RB 100 0 NTV

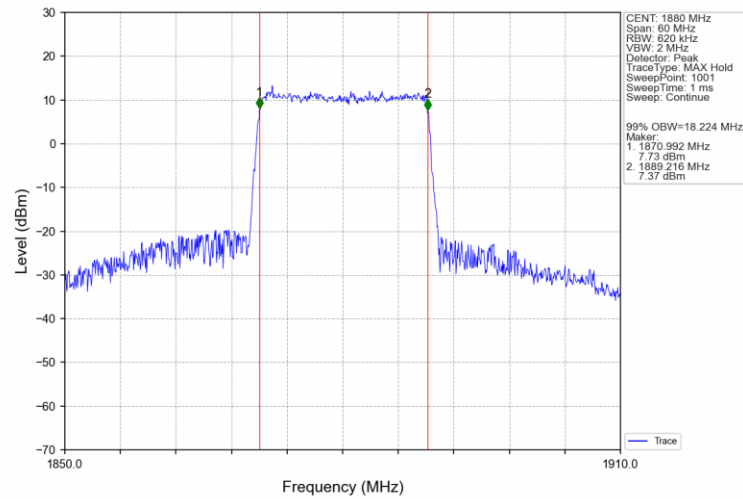


Band2 20MHz 16QAM LCH 1860MHz RB 100 0 NTV

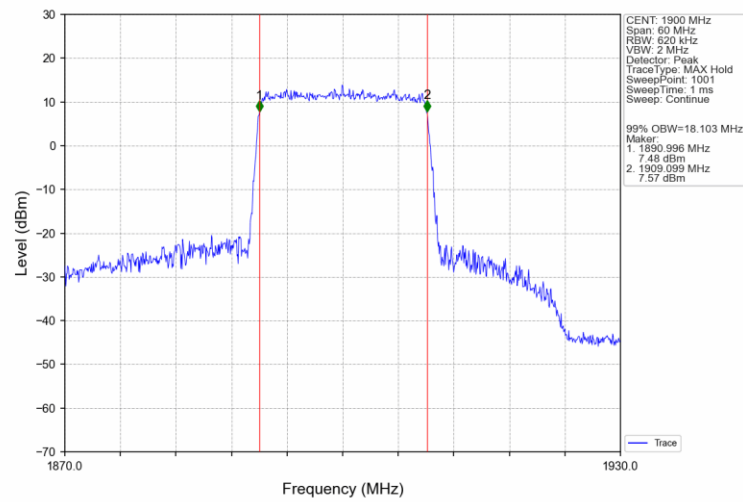




Band2 20MHz 16QAM MCH 1880MHz RB 100 0 NTNV

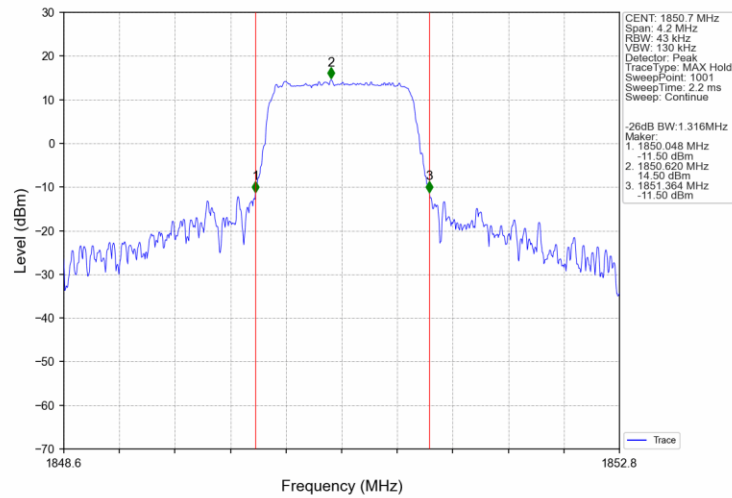


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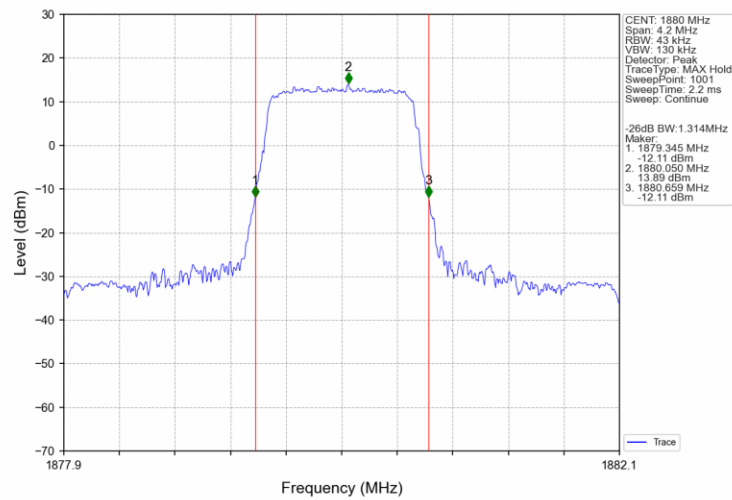


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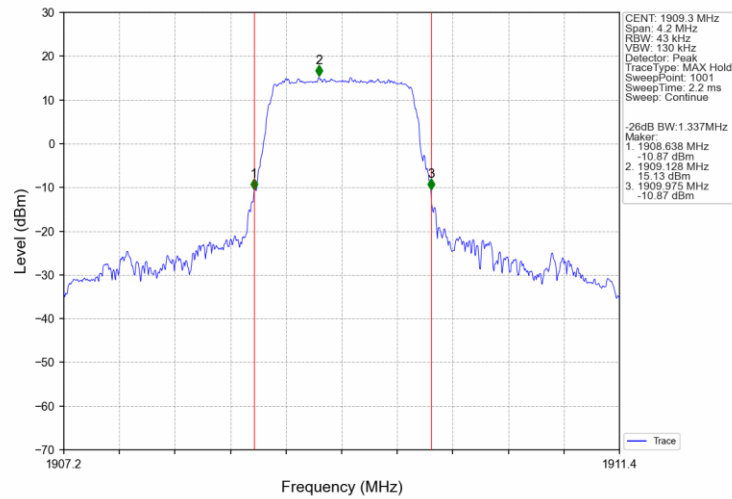
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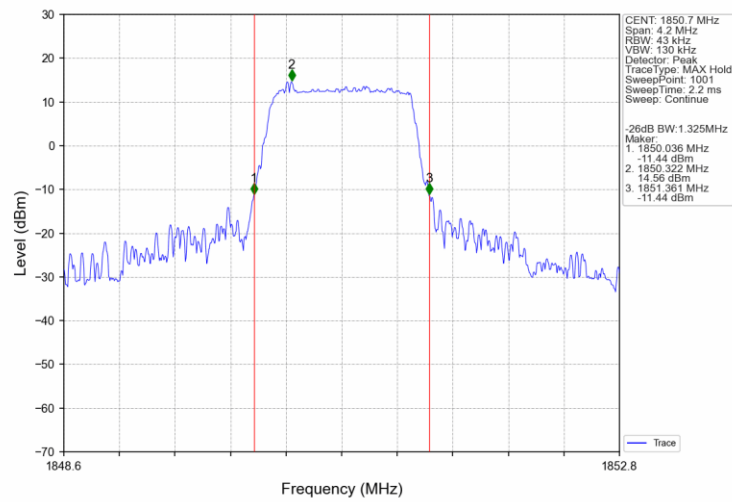
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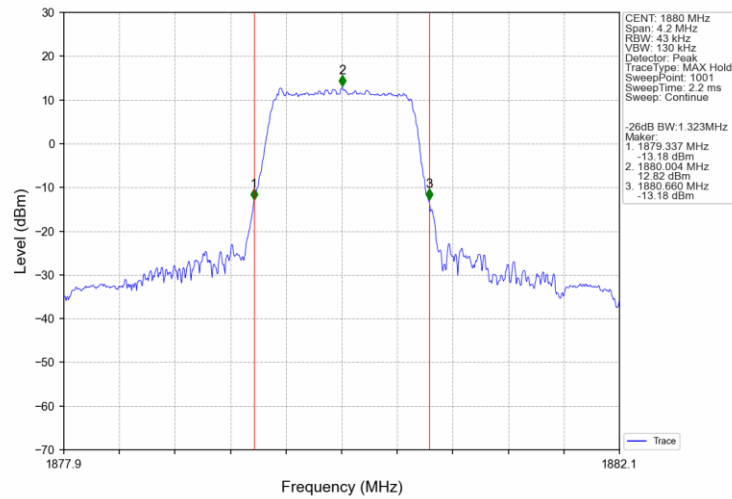
Band2 1.4MHz QPSK HCH 1909.3MHz RB 6 0 NTV



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



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



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

