

## Appendix - band\_2

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

#### 1.1 Test Result

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

| Band: 2 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 1850.7          | 1             | 0      | 21.93                 | -0.32      | 21.61      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 22.12                 | -0.32      | 21.80      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 22.23                 | -0.32      | 21.91      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 21.99                 | -0.32      | 21.67      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 22.04                 | -0.32      | 21.72      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 22.03                 | -0.32      | 21.71      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 21.10                 | -0.32      | 20.78      | <=33.01 | Pass    |
|                                    | 1880            | 1             | 0      | 21.87                 | -0.32      | 21.55      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.78                 | -0.32      | 21.46      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 21.90                 | -0.32      | 21.58      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 21.75                 | -0.32      | 21.43      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.77                 | -0.32      | 21.45      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 21.85                 | -0.32      | 21.53      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 20.83                 | -0.32      | 20.51      | <=33.01 | Pass    |
|                                    | 1909.3          | 1             | 0      | 21.28                 | -0.32      | 20.96      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.39                 | -0.32      | 21.07      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 21.43                 | -0.32      | 21.11      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 21.46                 | -0.32      | 21.14      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.41                 | -0.32      | 21.09      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 21.37                 | -0.32      | 21.05      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 20.46                 | -0.32      | 20.14      | <=33.01 | Pass    |
| 16QAM                              | 1850.7          | 1             | 0      | 21.75                 | -0.32      | 21.43      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.73                 | -0.32      | 21.41      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 21.80                 | -0.32      | 21.48      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 21.28                 | -0.32      | 20.96      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.27                 | -0.32      | 20.95      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 21.29                 | -0.32      | 20.97      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 20.32                 | -0.32      | 20.00      | <=33.01 | Pass    |
|                                    | 1880            | 1             | 0      | 21.33                 | -0.32      | 21.01      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.39                 | -0.32      | 21.07      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 21.28                 | -0.32      | 20.96      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 20.79                 | -0.32      | 20.47      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 20.78                 | -0.32      | 20.46      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 20.75                 | -0.32      | 20.43      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 19.85                 | -0.32      | 19.53      | <=33.01 | Pass    |
|                                    | 1909.3          | 1             | 0      | 20.52                 | -0.32      | 20.20      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 20.42                 | -0.32      | 20.10      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 20.41                 | -0.32      | 20.09      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 20.25                 | -0.32      | 19.93      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 20.27                 | -0.32      | 19.95      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 20.23                 | -0.32      | 19.91      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 19.84                 | -0.32      | 19.52      | <=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      | 22.03                 | -0.32      | 21.71      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 22.02                 | -0.32      | 21.70      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 21.99                 | -0.32      | 21.67      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 21.01                 | -0.32      | 20.69      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 21.04                 | -0.32      | 20.72      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 20.91                 | -0.32      | 20.59      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 21.04                 | -0.32      | 20.72      | <=33.01 | Pass    |
|                                  | 1880            | 1             | 0      | 21.61                 | -0.32      | 21.29      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 21.70                 | -0.32      | 21.38      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 21.70                 | -0.32      | 21.38      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 20.88                 | -0.32      | 20.56      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 20.77                 | -0.32      | 20.45      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 20.84                 | -0.32      | 20.52      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 20.82                 | -0.32      | 20.50      | <=33.01 | Pass    |
|                                  | 1908.5          | 1             | 0      | 21.48                 | -0.32      | 21.16      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 21.42                 | -0.32      | 21.10      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 21.43                 | -0.32      | 21.11      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 20.46                 | -0.32      | 20.14      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 20.45                 | -0.32      | 20.13      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 20.47                 | -0.32      | 20.15      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 20.40                 | -0.32      | 20.08      | <=33.01 | Pass    |
| 16QAM                            | 1851.5          | 1             | 0      | 21.05                 | -0.32      | 20.73      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 21.02                 | -0.32      | 20.70      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 20.93                 | -0.32      | 20.61      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 20.34                 | -0.32      | 20.02      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 20.34                 | -0.32      | 20.02      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 20.29                 | -0.32      | 19.97      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 20.16                 | -0.32      | 19.84      | <=33.01 | Pass    |
|                                  | 1880            | 1             | 0      | 21.72                 | -0.32      | 21.40      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 21.75                 | -0.32      | 21.43      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 21.70                 | -0.32      | 21.38      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 19.97                 | -0.32      | 19.65      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 19.89                 | -0.32      | 19.57      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 19.86                 | -0.32      | 19.54      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 19.82                 | -0.32      | 19.50      | <=33.01 | Pass    |
|                                  | 1908.5          | 1             | 0      | 21.13                 | -0.32      | 20.81      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 21.09                 | -0.32      | 20.77      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 21.05                 | -0.32      | 20.73      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 20.11                 | -0.32      | 19.79      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 20.10                 | -0.32      | 19.78      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 20.12                 | -0.32      | 19.80      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 19.91                 | -0.32      | 19.59      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.3 B2\_5MHz\_EIRP

| Band: 2 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 1852.5          | 1             | 0      | 21.97                 | -0.32      | 21.65      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.86                 | -0.32      | 21.54      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.94                 | -0.32      | 21.62      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.06                 | -0.32      | 20.74      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.96                 | -0.32      | 20.64      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.00                 | -0.32      | 20.68      | <=33.01 | Pass    |

|       |        |    |    |       |       |       |         |      |
|-------|--------|----|----|-------|-------|-------|---------|------|
| 16QAM | 1880   | 25 | 0  | 21.06 | -0.32 | 20.74 | <=33.01 | Pass |
|       |        |    | 0  | 21.87 | -0.32 | 21.55 | <=33.01 | Pass |
|       |        | 1  | 13 | 21.84 | -0.32 | 21.52 | <=33.01 | Pass |
|       |        |    | 24 | 21.78 | -0.32 | 21.46 | <=33.01 | Pass |
|       |        | 12 | 0  | 20.96 | -0.32 | 20.64 | <=33.01 | Pass |
|       |        |    | 6  | 20.95 | -0.32 | 20.63 | <=33.01 | Pass |
|       |        |    | 13 | 20.79 | -0.32 | 20.47 | <=33.01 | Pass |
|       |        | 25 | 0  | 20.94 | -0.32 | 20.62 | <=33.01 | Pass |
|       | 1907.5 | 1  | 0  | 21.53 | -0.32 | 21.21 | <=33.01 | Pass |
|       |        |    | 13 | 21.50 | -0.32 | 21.18 | <=33.01 | Pass |
|       |        |    | 24 | 21.43 | -0.32 | 21.11 | <=33.01 | Pass |
|       |        | 12 | 0  | 20.51 | -0.32 | 20.19 | <=33.01 | Pass |
|       |        |    | 6  | 20.47 | -0.32 | 20.15 | <=33.01 | Pass |
|       |        |    | 13 | 20.58 | -0.32 | 20.26 | <=33.01 | Pass |
|       |        | 25 | 0  | 20.50 | -0.32 | 20.18 | <=33.01 | Pass |
|       | 1852.5 | 1  | 0  | 21.64 | -0.32 | 21.32 | <=33.01 | Pass |
|       |        |    | 13 | 21.54 | -0.32 | 21.22 | <=33.01 | Pass |
|       |        |    | 24 | 21.60 | -0.32 | 21.28 | <=33.01 | Pass |
|       |        | 12 | 0  | 20.19 | -0.32 | 19.87 | <=33.01 | Pass |
|       |        |    | 6  | 20.11 | -0.32 | 19.79 | <=33.01 | Pass |
|       |        |    | 13 | 20.09 | -0.32 | 19.77 | <=33.01 | Pass |
|       |        | 25 | 0  | 20.18 | -0.32 | 19.86 | <=33.01 | Pass |
|       | 1880   | 1  | 0  | 21.51 | -0.32 | 21.19 | <=33.01 | Pass |
|       |        |    | 13 | 21.42 | -0.32 | 21.10 | <=33.01 | Pass |
|       |        |    | 24 | 21.43 | -0.32 | 21.11 | <=33.01 | Pass |
|       |        | 12 | 0  | 19.93 | -0.32 | 19.61 | <=33.01 | Pass |
|       |        |    | 6  | 19.93 | -0.32 | 19.61 | <=33.01 | Pass |
|       |        |    | 13 | 19.92 | -0.32 | 19.60 | <=33.01 | Pass |
|       |        | 25 | 0  | 19.92 | -0.32 | 19.60 | <=33.01 | Pass |
|       | 1907.5 | 1  | 0  | 20.13 | -0.32 | 19.81 | <=33.01 | Pass |
|       |        |    | 13 | 20.06 | -0.32 | 19.74 | <=33.01 | Pass |
|       |        |    | 24 | 20.05 | -0.32 | 19.73 | <=33.01 | Pass |
|       |        | 12 | 0  | 19.91 | -0.32 | 19.59 | <=33.01 | Pass |
|       |        |    | 6  | 19.89 | -0.32 | 19.57 | <=33.01 | Pass |
|       |        |    | 13 | 19.88 | -0.32 | 19.56 | <=33.01 | Pass |
|       |        | 25 | 0  | 19.99 | -0.32 | 19.67 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

#### 1.1.4 B2\_10MHz\_EIRP

| Band: 2 / Bandwidth: 10MHz / NTNV |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 1855            | 1             | 0      | 21.99                 | -0.32      | 21.67      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.99                 | -0.32      | 21.67      | <=33.01 | Pass    |
|                                   |                 |               | 49     | 22.01                 | -0.32      | 21.69      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 21.00                 | -0.32      | 20.68      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 21.05                 | -0.32      | 20.73      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.96                 | -0.32      | 20.64      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 21.00                 | -0.32      | 20.68      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 21.76                 | -0.32      | 21.44      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.67                 | -0.32      | 21.35      | <=33.01 | Pass    |
|                                   |                 |               | 49     | 21.56                 | -0.32      | 21.24      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 20.85                 | -0.32      | 20.53      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 20.85                 | -0.32      | 20.53      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.72                 | -0.32      | 20.40      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 20.92                 | -0.32      | 20.60      | <=33.01 | Pass    |
|                                   | 1905            | 1             | 0      | 21.62                 | -0.32      | 21.30      | <=33.01 | Pass    |

|       |      |    |    |       |       |       |         |      |
|-------|------|----|----|-------|-------|-------|---------|------|
| 16QAM |      | 25 | 25 | 21.63 | -0.32 | 21.31 | <=33.01 | Pass |
|       |      |    | 49 | 21.58 | -0.32 | 21.26 | <=33.01 | Pass |
|       |      |    | 0  | 20.48 | -0.32 | 20.16 | <=33.01 | Pass |
|       |      |    | 13 | 20.56 | -0.32 | 20.24 | <=33.01 | Pass |
|       |      |    | 25 | 20.54 | -0.32 | 20.22 | <=33.01 | Pass |
|       | 1855 | 1  | 0  | 20.53 | -0.32 | 20.21 | <=33.01 | Pass |
|       |      |    | 25 | 22.28 | -0.32 | 21.96 | <=33.01 | Pass |
|       |      |    | 49 | 22.28 | -0.32 | 21.96 | <=33.01 | Pass |
|       |      | 25 | 0  | 22.22 | -0.32 | 21.90 | <=33.01 | Pass |
|       |      |    | 25 | 20.10 | -0.32 | 19.78 | <=33.01 | Pass |
|       | 1880 | 1  | 13 | 20.52 | -0.32 | 20.20 | <=33.01 | Pass |
|       |      |    | 25 | 20.41 | -0.32 | 20.09 | <=33.01 | Pass |
|       |      |    | 25 | 20.48 | -0.32 | 20.16 | <=33.01 | Pass |
|       |      | 25 | 0  | 20.78 | -0.32 | 20.78 | <=33.01 | Pass |
|       |      |    | 25 | 21.10 | -0.32 | 20.73 | <=33.01 | Pass |
|       |      |    | 49 | 21.05 | -0.32 | 20.69 | <=33.01 | Pass |
|       |      | 50 | 0  | 21.01 | -0.32 | 20.69 | <=33.01 | Pass |
|       |      |    | 25 | 20.15 | -0.32 | 19.83 | <=33.01 | Pass |
|       |      |    | 13 | 20.07 | -0.32 | 19.75 | <=33.01 | Pass |
|       | 1905 | 1  | 25 | 20.37 | -0.32 | 20.05 | <=33.01 | Pass |
|       |      |    | 25 | 19.93 | -0.32 | 19.61 | <=33.01 | Pass |
|       |      |    | 0  | 21.25 | -0.32 | 20.93 | <=33.01 | Pass |
|       |      | 25 | 0  | 21.25 | -0.32 | 20.93 | <=33.01 | Pass |
|       |      |    | 25 | 21.16 | -0.32 | 20.84 | <=33.01 | Pass |
|       |      |    | 0  | 21.05 | -0.32 | 19.73 | <=33.01 | Pass |
|       |      | 50 | 13 | 19.71 | -0.32 | 19.39 | <=33.01 | Pass |
|       |      |    | 25 | 20.02 | -0.32 | 19.70 | <=33.01 | Pass |
|       |      |    | 0  | 19.63 | -0.32 | 19.31 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.5 B2\_15MHz\_EIRP

| Band: 2 / Bandwidth: 15MHz / NTNV |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 1857.5          | 1             | 0      | 21.93                 | -0.32      | 21.61      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.89                 | -0.32      | 21.57      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 21.83                 | -0.32      | 21.51      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 21.01                 | -0.32      | 20.69      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 21.00                 | -0.32      | 20.68      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 20.95                 | -0.32      | 20.63      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 20.95                 | -0.32      | 20.63      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 21.89                 | -0.32      | 21.57      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.77                 | -0.32      | 21.45      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 21.66                 | -0.32      | 21.34      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 20.97                 | -0.32      | 20.65      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 20.84                 | -0.32      | 20.52      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 20.77                 | -0.32      | 20.45      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 20.86                 | -0.32      | 20.54      | <=33.01 | Pass    |
|                                   | 1902.5          | 1             | 0      | 21.51                 | -0.32      | 21.19      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.41                 | -0.32      | 21.09      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 21.36                 | -0.32      | 21.04      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 20.59                 | -0.32      | 20.27      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 20.51                 | -0.32      | 20.19      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 20.58                 | -0.32      | 20.26      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 20.49                 | -0.32      | 20.17      | <=33.01 | Pass    |
| 16QAM                             | 1857.5          | 1             | 0      | 21.64                 | -0.32      | 21.32      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.63                 | -0.32      | 21.31      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 21.62                 | -0.32      | 21.30      | <=33.01 | Pass    |

|  |                                          |    |    |       |       |       |         |      |  |
|--|------------------------------------------|----|----|-------|-------|-------|---------|------|--|
|  |                                          | 36 | 0  | 20.44 | -0.32 | 20.12 | <=33.01 | Pass |  |
|  |                                          |    | 18 | 20.40 | -0.32 | 20.08 | <=33.01 | Pass |  |
|  |                                          |    | 39 | 20.15 | -0.32 | 19.83 | <=33.01 | Pass |  |
|  |                                          | 75 | 0  | 20.48 | -0.32 | 20.16 | <=33.01 | Pass |  |
|  | 1880                                     | 1  | 0  | 21.52 | -0.32 | 21.20 | <=33.01 | Pass |  |
|  |                                          |    | 38 | 21.40 | -0.32 | 21.08 | <=33.01 | Pass |  |
|  |                                          |    | 74 | 21.29 | -0.32 | 20.97 | <=33.01 | Pass |  |
|  |                                          | 36 | 0  | 20.12 | -0.32 | 19.80 | <=33.01 | Pass |  |
|  |                                          |    | 18 | 20.04 | -0.32 | 19.72 | <=33.01 | Pass |  |
|  |                                          |    | 39 | 20.28 | -0.32 | 19.96 | <=33.01 | Pass |  |
|  |                                          | 75 | 0  | 20.04 | -0.32 | 19.72 | <=33.01 | Pass |  |
|  | 1902.5                                   | 1  | 0  | 21.41 | -0.32 | 21.09 | <=33.01 | Pass |  |
|  |                                          |    | 38 | 21.26 | -0.32 | 20.94 | <=33.01 | Pass |  |
|  |                                          |    | 74 | 21.21 | -0.32 | 20.89 | <=33.01 | Pass |  |
|  |                                          | 36 | 0  | 19.72 | -0.32 | 19.40 | <=33.01 | Pass |  |
|  |                                          |    | 18 | 20.00 | -0.32 | 19.68 | <=33.01 | Pass |  |
|  |                                          |    | 39 | 19.93 | -0.32 | 19.61 | <=33.01 | Pass |  |
|  |                                          | 75 | 0  | 20.05 | -0.32 | 19.73 | <=33.01 | Pass |  |
|  | Note1: EIRP=Conducted Power+Antenna Gain |    |    |       |       |       |         |      |  |

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      | 22.04                 | -0.32      | 21.72      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.01                 | -0.32      | 21.69      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 22.02                 | -0.32      | 21.70      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 21.03                 | -0.32      | 20.71      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.05                 | -0.32      | 20.73      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.03                 | -0.32      | 20.71      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 21.08                 | -0.32      | 20.76      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 21.95                 | -0.32      | 21.63      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.80                 | -0.32      | 21.48      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 21.76                 | -0.32      | 21.44      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 21.02                 | -0.32      | 20.70      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.84                 | -0.32      | 20.52      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 20.87                 | -0.32      | 20.55      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 20.83                 | -0.32      | 20.51      | <=33.01 | Pass    |
|                                   | 1900            | 1             | 0      | 21.68                 | -0.32      | 21.36      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.62                 | -0.32      | 21.30      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 21.42                 | -0.32      | 21.10      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 20.61                 | -0.32      | 20.29      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.69                 | -0.32      | 20.37      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 20.57                 | -0.32      | 20.25      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 20.68                 | -0.32      | 20.36      | <=33.01 | Pass    |
| 16QAM                             | 1860            | 1             | 0      | 22.36                 | -0.32      | 22.04      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.29                 | -0.32      | 21.97      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 22.21                 | -0.32      | 21.89      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 20.44                 | -0.32      | 20.12      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.07                 | -0.32      | 19.75      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 20.42                 | -0.32      | 20.10      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 20.12                 | -0.32      | 19.80      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 21.36                 | -0.32      | 21.04      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.24                 | -0.32      | 20.92      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 21.14                 | -0.32      | 20.82      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 20.42                 | -0.32      | 20.10      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 19.91                 | -0.32      | 19.59      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 20.42                 | -0.32      | 20.10      | <=33.01 | Pass    |

|  |      |                                          |    |       |       |       |         |      |
|--|------|------------------------------------------|----|-------|-------|-------|---------|------|
|  | 1900 | 100                                      | 50 | 19.72 | -0.32 | 19.40 | <=33.01 | Pass |
|  |      |                                          | 0  | 19.88 | -0.32 | 19.56 | <=33.01 | Pass |
|  |      | 1                                        | 0  | 21.20 | -0.32 | 20.88 | <=33.01 | Pass |
|  |      |                                          | 50 | 21.11 | -0.32 | 20.79 | <=33.01 | Pass |
|  |      |                                          | 99 | 20.92 | -0.32 | 20.60 | <=33.01 | Pass |
|  |      | 50                                       | 0  | 19.86 | -0.32 | 19.54 | <=33.01 | Pass |
|  |      |                                          | 25 | 19.77 | -0.32 | 19.45 | <=33.01 | Pass |
|  |      |                                          | 50 | 19.67 | -0.32 | 19.35 | <=33.01 | Pass |
|  |      | 100                                      | 0  | 19.78 | -0.32 | 19.46 | <=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          | 7.453            | 0.0040                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 28.181           | 0.0152                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 44.832           | 0.0242                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 22.216           | 0.0120                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 54.188           | 0.0293                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 28.353           | 0.0153                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 9.384            | 0.0051                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 8.554            | 0.0046                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 8.740            | 0.0047                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 40.941           | 0.0221                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 14.520           | 0.0078                | -2.5 to 2.5 | Pass    |
|                             | 1880            | 6             | 0      | 20         | 3.27          | 33.174           | 0.0176                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 28.996           | 0.0154                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 11.158           | 0.0059                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 13.475           | 0.0072                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 15.678           | 0.0083                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 29.826           | 0.0159                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -6.237           | -0.0033               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 18.482           | 0.0098                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 27.795           | 0.0148                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 23.532           | 0.0125                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 32.101           | 0.0171                | -2.5 to 2.5 | Pass    |
|                             | 1909.3          | 6             | 0      | 20         | 3.27          | -8.512           | -0.0045               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -0.286           | -0.0001               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 31.700           | 0.0166                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 12.989           | 0.0068                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 49.224           | 0.0258                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 52.042           | 0.0273                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 53.244           | 0.0279                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 19.298           | 0.0101                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 18.096           | 0.0095                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 25.249           | 0.0132                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 17.710           | 0.0093                | -2.5 to 2.5 | Pass    |
| 16QAM                       | 1850.7          | 6             | 0      | 20         | 3.27          | 23.589           | 0.0127                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 26.722           | 0.0144                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 29.397           | 0.0159                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 24.505           | 0.0132                | -2.5 to 2.5 | Pass    |

|  |        |   |   |     |      |         |         |             |      |
|--|--------|---|---|-----|------|---------|---------|-------------|------|
|  |        |   |   | -20 | 3.85 | 29.612  | 0.0160  | -2.5 to 2.5 | Pass |
|  |        |   |   | -10 | 3.85 | 39.911  | 0.0216  | -2.5 to 2.5 | Pass |
|  |        |   |   | 0   | 3.85 | 37.136  | 0.0201  | -2.5 to 2.5 | Pass |
|  |        |   |   | 10  | 3.85 | 49.510  | 0.0268  | -2.5 to 2.5 | Pass |
|  |        |   |   | 30  | 3.85 | 43.044  | 0.0233  | -2.5 to 2.5 | Pass |
|  |        |   |   | 40  | 3.85 | 47.293  | 0.0256  | -2.5 to 2.5 | Pass |
|  |        |   |   | 50  | 3.85 | 38.567  | 0.0208  | -2.5 to 2.5 | Pass |
|  | 1880   | 6 | 0 | 20  | 3.27 | 38.066  | 0.0202  | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 3.85 | 8.626   | 0.0046  | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 4.43 | 24.848  | 0.0132  | -2.5 to 2.5 | Pass |
|  |        |   |   | -30 | 3.85 | 37.994  | 0.0202  | -2.5 to 2.5 | Pass |
|  |        |   |   | -20 | 3.85 | 31.028  | 0.0165  | -2.5 to 2.5 | Pass |
|  |        |   |   | -10 | 3.85 | 35.133  | 0.0187  | -2.5 to 2.5 | Pass |
|  |        |   |   | 0   | 3.85 | 40.741  | 0.0217  | -2.5 to 2.5 | Pass |
|  |        |   |   | 10  | 3.85 | 29.140  | 0.0155  | -2.5 to 2.5 | Pass |
|  |        |   |   | 30  | 3.85 | 24.605  | 0.0131  | -2.5 to 2.5 | Pass |
|  |        |   |   | 40  | 3.85 | 25.678  | 0.0137  | -2.5 to 2.5 | Pass |
|  |        |   |   | 50  | 3.85 | 10.715  | 0.0057  | -2.5 to 2.5 | Pass |
|  | 1909.3 | 6 | 0 | 20  | 3.27 | 28.911  | 0.0151  | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 3.85 | 25.177  | 0.0132  | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 4.43 | 47.622  | 0.0249  | -2.5 to 2.5 | Pass |
|  |        |   |   | -30 | 3.85 | 48.308  | 0.0253  | -2.5 to 2.5 | Pass |
|  |        |   |   | -20 | 3.85 | -15.192 | -0.0080 | -2.5 to 2.5 | Pass |
|  |        |   |   | -10 | 3.85 | 24.576  | 0.0129  | -2.5 to 2.5 | Pass |
|  |        |   |   | 0   | 3.85 | 42.858  | 0.0224  | -2.5 to 2.5 | Pass |
|  |        |   |   | 10  | 3.85 | 40.712  | 0.0213  | -2.5 to 2.5 | Pass |
|  |        |   |   | 30  | 3.85 | 35.419  | 0.0186  | -2.5 to 2.5 | Pass |
|  |        |   |   | 40  | 3.85 | 41.857  | 0.0219  | -2.5 to 2.5 | Pass |
|  |        |   |   | 50  | 3.85 | 28.796  | 0.0151  | -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          | 34.890           | 0.0188                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 22.788           | 0.0123                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 24.219           | 0.0131                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 20.685           | 0.0112                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 25.163           | 0.0136                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 39.639           | 0.0214                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 22.988           | 0.0124                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 44.160           | 0.0239                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 26.450           | 0.0143                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 40.784           | 0.0220                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 14.634           | 0.0079                | -2.5 to 2.5 | Pass    |
|                           | 1880            | 15            | 0      | 20         | 3.27          | -19.569          | -0.0104               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -8.926           | -0.0047               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -11.029          | -0.0059               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -40.369          | -0.0215               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -17.366          | -0.0092               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -23.160          | -0.0123               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -7.725           | -0.0041               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -37.994          | -0.0202               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -16.608          | -0.0088               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -23.804          | -0.0127               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 9.098            | 0.0048                | -2.5 to 2.5 | Pass    |
|                           | 1908.5          | 15            | 0      | 20         | 3.27          | 8.698            | 0.0046                | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
|       |        |    |   |     | 3.85 | 1.187   | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 4.506   | 0.0024  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 12.345  | 0.0065  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 14.148  | 0.0074  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 14.305  | 0.0075  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 18.539  | 0.0097  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 18.783  | 0.0098  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 5.107   | 0.0027  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 17.209  | 0.0090  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 19.054  | 0.0100  | -2.5 to 2.5 | Pass |
| 16QAM | 1851.5 | 15 | 0 | 20  | 3.27 | -8.168  | -0.0044 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -59.752 | -0.0323 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -50.282 | -0.0272 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -38.295 | -0.0207 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -28.882 | -0.0156 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -31.142 | -0.0168 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -29.483 | -0.0159 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -39.911 | -0.0216 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -12.817 | -0.0069 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -39.582 | -0.0214 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -40.255 | -0.0217 | -2.5 to 2.5 | Pass |
|       | 1880   | 15 | 0 | 20  | 3.27 | -17.638 | -0.0094 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -46.463 | -0.0247 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -26.693 | -0.0142 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 13.990  | 0.0074  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 5.379   | 0.0029  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 2.246   | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 3.090   | 0.0016  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 4.907   | 0.0026  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 9.241   | 0.0049  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 6.022   | 0.0032  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 10.514  | 0.0056  | -2.5 to 2.5 | Pass |
|       | 1908.5 | 15 | 0 | 20  | 3.27 | 25.735  | 0.0135  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 36.106  | 0.0189  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 19.269  | 0.0101  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 18.454  | 0.0097  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 29.125  | 0.0153  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 34.304  | 0.0180  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 41.528  | 0.0218  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -2.646  | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -1.359  | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 3.633   | 0.0019  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 0.873   | 0.0005  | -2.5 to 2.5 | Pass |

### 2.1.3 B2\_5MHz

| Band: 2 / Bandwidth: 5MHz |                 |               |        |            |               |                  |                       |             |         |
|---------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                           |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                      | 1852.5          | 25            | 0      | 20         | 3.27          | 3.018            | 0.0016                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -6.952           | -0.0038               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -18.096          | -0.0098               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -7.095           | -0.0038               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -37.508          | -0.0202               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -17.366          | -0.0094               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -34.432          | -0.0186               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 1.016            | 0.0005                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -4.020           | -0.0022               | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
| 16QAM | 1880   | 25 | 0 | 40  | 3.85 | -3.505  | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -11.315 | -0.0061 | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | 12.589  | 0.0067  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -8.183  | -0.0044 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -21.257 | -0.0113 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -27.037 | -0.0144 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -37.007 | -0.0197 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 13.733  | 0.0073  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 11.587  | 0.0062  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -1.159  | -0.0006 | -2.5 to 2.5 | Pass |
|       | 1907.5 | 25 | 0 | 30  | 3.85 | -2.961  | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -3.662  | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -2.575  | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | 21.572  | 0.0113  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 0.086   | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -23.890 | -0.0125 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -40.512 | -0.0212 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -11.501 | -0.0060 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -16.036 | -0.0084 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -16.065 | -0.0084 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -16.522 | -0.0087 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -25.721 | -0.0135 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -22.931 | -0.0120 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -22.616 | -0.0119 | -2.5 to 2.5 | Pass |
|       | 1852.5 | 25 | 0 | 20  | 3.27 | -11.201 | -0.0060 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -5.550  | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 6.838   | 0.0037  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 5.021   | 0.0027  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 15.779  | 0.0085  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 16.236  | 0.0088  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 22.717  | 0.0123  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 24.848  | 0.0134  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 21.586  | 0.0117  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 23.689  | 0.0128  | -2.5 to 2.5 | Pass |
|       | 1880   | 25 | 0 | 50  | 3.85 | 29.054  | 0.0157  | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | -7.267  | -0.0039 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -8.082  | -0.0043 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 2.303   | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 18.511  | 0.0098  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 21.629  | 0.0115  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 16.780  | 0.0089  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 25.749  | 0.0137  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 17.295  | 0.0092  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 19.484  | 0.0104  | -2.5 to 2.5 | Pass |
|       | 1907.5 | 25 | 0 | 40  | 3.85 | 17.638  | 0.0094  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 20.671  | 0.0110  | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | -19.126 | -0.0100 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -17.538 | -0.0092 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -13.232 | -0.0069 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -3.290  | -0.0017 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 10.500  | 0.0055  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 8.798   | 0.0046  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 6.323   | 0.0033  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 4.549   | 0.0024  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -1.574  | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -5.136  | -0.0027 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -3.562  | -0.0019 | -2.5 to 2.5 | Pass |

## 2.1.4 B2\_10MHz

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Version: 1/00

| 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          | -10.643          | -0.0057               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -40.441          | -0.0218               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -5.794           | -0.0031               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 5.507            | 0.0030                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -18.854          | -0.0102               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -8.426           | -0.0045               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -14.520          | -0.0078               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -29.869          | -0.0161               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -38.867          | -0.0210               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -37.322          | -0.0201               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -7.997           | -0.0043               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 50            | 0      | 20         | 3.27          | 17.710           | 0.0094                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -4.191           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -25.663          | -0.0137               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -40.069          | -0.0213               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -44.403          | -0.0236               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -7.381           | -0.0039               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -6.323           | -0.0034               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 0.615            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 4.878            | 0.0026                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 3.390            | 0.0018                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -3.219           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            | 1905            | 50            | 0      | 20         | 3.27          | -1.173           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -12.546          | -0.0066               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -28.925          | -0.0152               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -52.900          | -0.0278               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -29.225          | -0.0153               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -40.841          | -0.0214               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -39.468          | -0.0207               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -31.457          | -0.0165               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -30.813          | -0.0162               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -33.903          | -0.0178               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 1855            | 50            | 0      | 20         | 3.27          | -2.518           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 7.396            | 0.0040                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 8.941            | 0.0048                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 8.125            | 0.0044                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 11.086           | 0.0060                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 7.682            | 0.0041                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 12.603           | 0.0068                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 6.723            | 0.0036                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 1.559            | 0.0008                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -6.008           | -0.0032               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 50            | 0      | 20         | 3.27          | 8.912            | 0.0047                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 20.628           | 0.0110                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 37.107           | 0.0197                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 31.614           | 0.0168                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 32.558           | 0.0173                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 22.974           | 0.0122                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 36.206           | 0.0193                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 44.289           | 0.0236                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 1.359            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 4.034            | 0.0021                | -2.5 to 2.5 | Pass    |
|                            | 1905            | 50            | 0      | 20         | 3.27          | 12.245           | 0.0064                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 18.883           | 0.0099                | -2.5 to 2.5 | Pass    |

|  |  |  |     |      |         |         |             |      |
|--|--|--|-----|------|---------|---------|-------------|------|
|  |  |  |     | 4.43 | 28.396  | 0.0149  | -2.5 to 2.5 | Pass |
|  |  |  | -30 | 3.85 | 33.031  | 0.0173  | -2.5 to 2.5 | Pass |
|  |  |  | -20 | 3.85 | -10.972 | -0.0058 | -2.5 to 2.5 | Pass |
|  |  |  | -10 | 3.85 | -7.482  | -0.0039 | -2.5 to 2.5 | Pass |
|  |  |  | 0   | 3.85 | -6.409  | -0.0034 | -2.5 to 2.5 | Pass |
|  |  |  | 10  | 3.85 | -11.301 | -0.0059 | -2.5 to 2.5 | Pass |
|  |  |  | 30  | 3.85 | -1.359  | -0.0007 | -2.5 to 2.5 | Pass |
|  |  |  | 40  | 3.85 | -1.531  | -0.0008 | -2.5 to 2.5 | Pass |
|  |  |  | 50  | 3.85 | 6.194   | 0.0033  | -2.5 to 2.5 | Pass |

## 2.1.5 B2\_15MHz

| Band: 2 / Bandwidth: 15MHz |                    |               |         |               |                  |                     |                       |             |         |
|----------------------------|--------------------|---------------|---------|---------------|------------------|---------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency<br>(MHz) | RB Allocation |         | Temp.<br>(°C) | Voltage<br>(VDC) | Freq. Error<br>(Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                    | Size          | Offset  |               |                  |                     | Result                | Limit       |         |
| QPSK                       | 1857.5             | 75            | 0       | 20            | 3.27             | -23.432             | -0.0126               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         |               | 3.85             | -9.871              | -0.0053               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         |               | 4.43             | -13.447             | -0.0072               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | -30           | 3.85             | -39.382             | -0.0212               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | -20           | 3.85             | -24.977             | -0.0134               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | -10           | 3.85             | -34.647             | -0.0187               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 0             | 3.85             | -5.994              | -0.0032               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 10            | 3.85             | -17.238             | -0.0093               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 30            | 3.85             | -27.394             | -0.0147               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 40            | 3.85             | -39.182             | -0.0211               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 50            | 3.85             | -41.857             | -0.0225               | -2.5 to 2.5 | Pass    |
|                            | 1880               | 75            | 0       | 20            | 3.27             | 11.916              | 0.0063                | -2.5 to 2.5 | Pass    |
|                            |                    |               |         |               | 3.85             | -29.669             | -0.0158               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         |               | 4.43             | 6.781               | 0.0036                | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | -30           | 3.85             | -13.833             | -0.0074               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | -20           | 3.85             | -19.999             | -0.0106               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | -10           | 3.85             | -34.275             | -0.0182               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 0             | 3.85             | -44.889             | -0.0239               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 10            | 3.85             | -16.551             | -0.0088               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 30            | 3.85             | -25.306             | -0.0135               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 40            | 3.85             | -28.481             | -0.0151               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 50            | 3.85             | -28.739             | -0.0153               | -2.5 to 2.5 | Pass    |
|                            | 1902.5             | 75            | 0       | 20            | 3.27             | 9.284               | 0.0049                | -2.5 to 2.5 | Pass    |
|                            |                    |               |         |               | 3.85             | -5.851              | -0.0031               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         |               | 4.43             | -17.252             | -0.0091               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | -30           | 3.85             | -25.721             | -0.0135               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | -20           | 3.85             | -26.450             | -0.0139               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | -10           | 3.85             | -34.332             | -0.0180               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 0             | 3.85             | -0.501              | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 10            | 3.85             | -11.630             | -0.0061               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 30            | 3.85             | -10.643             | -0.0056               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 40            | 3.85             | -18.740             | -0.0099               | -2.5 to 2.5 | Pass    |
| 50                         | 3.85               | -16.923       | -0.0089 | -2.5 to 2.5   | Pass             |                     |                       |             |         |
| 16QAM                      | 1857.5             | 75            | 0       | 20            | 3.27             | -34.418             | -0.0185               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         |               | 3.85             | -50.540             | -0.0272               | -2.5 to 2.5 | Pass    |
|                            |                    |               |         |               | 4.43             | 7.110               | 0.0038                | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | -30           | 3.85             | 11.716              | 0.0063                | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | -20           | 3.85             | 17.238              | 0.0093                | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | -10           | 3.85             | 19.526              | 0.0105                | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 0             | 3.85             | 11.444              | 0.0062                | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 10            | 3.85             | 10.157              | 0.0055                | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 30            | 3.85             | 16.265              | 0.0088                | -2.5 to 2.5 | Pass    |
|                            |                    |               |         | 40            | 3.85             | 12.460              | 0.0067                | -2.5 to 2.5 | Pass    |

|  |        |    |   |     |      |         |         |             |      |
|--|--------|----|---|-----|------|---------|---------|-------------|------|
|  | 1880   | 75 | 0 | 50  | 3.85 | 18.897  | 0.0102  | -2.5 to 2.5 | Pass |
|  |        |    |   | 20  | 3.27 | -41.771 | -0.0222 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | -27.795 | -0.0148 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | -21.057 | -0.0112 | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | -18.482 | -0.0098 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | -6.623  | -0.0035 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | -3.891  | -0.0021 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -3.276  | -0.0017 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | -10.757 | -0.0057 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -10.057 | -0.0053 | -2.5 to 2.5 | Pass |
|  | 1902.5 | 75 | 0 | 40  | 3.85 | -8.354  | -0.0044 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | 1.874   | 0.0010  | -2.5 to 2.5 | Pass |
|  |        |    |   | 20  | 3.27 | -16.222 | -0.0085 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | -5.965  | -0.0031 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | 0.730   | 0.0004  | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | 4.578   | 0.0024  | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | 5.379   | 0.0028  | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | 5.536   | 0.0029  | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | 10.486  | 0.0055  | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | 14.405  | 0.0076  | -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          | -20.256          | -0.0109               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -28.496          | -0.0153               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -49.353          | -0.0265               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 3.247            | 0.0017                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -19.126          | -0.0103               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -32.344          | -0.0174               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -39.854          | -0.0214               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -13.218          | -0.0071               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -13.103          | -0.0070               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -33.088          | -0.0178               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 100           | 0      | 50         | 3.85          | 14.634           | 0.0079                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 20         | 3.27          | -8.569           | -0.0046               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -4.678           | -0.0025               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -22.273          | -0.0118               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -5.035           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -32.187          | -0.0171               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -33.603          | -0.0179               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -41.242          | -0.0219               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -1.931           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -7.224           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            | 1900            | 100           | 0      | 40         | 3.85          | 1.144            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -8.297           | -0.0044               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 20         | 3.27          | 8.354            | 0.0044                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -5.279           | -0.0028               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -16.565          | -0.0087               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -11.616          | -0.0061               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -21.315          | -0.0112               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -31.343          | -0.0165               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -33.073          | -0.0174               | -2.5 to 2.5 | Pass    |

|       |      |     |   |     |      |         |         |             |      |
|-------|------|-----|---|-----|------|---------|---------|-------------|------|
| 16QAM |      |     |   | 10  | 3.85 | -27.294 | -0.0144 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -32.973 | -0.0174 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -29.869 | -0.0157 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -25.234 | -0.0133 | -2.5 to 2.5 | Pass |
|       | 1860 | 100 | 0 | 20  | 3.27 | 9.413   | 0.0051  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | 22.244  | 0.0120  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | 14.019  | 0.0075  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | 19.741  | 0.0106  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | 30.456  | 0.0164  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | 35.234  | 0.0189  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | 40.798  | 0.0219  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | 40.326  | 0.0217  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | 31.185  | 0.0168  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | 38.109  | 0.0205  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 39.167  | 0.0211  | -2.5 to 2.5 | Pass |
|       | 1880 | 100 | 0 | 20  | 3.27 | -4.320  | -0.0023 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | 1.230   | 0.0007  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | 12.875  | 0.0068  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | 25.063  | 0.0133  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | 34.962  | 0.0186  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | 27.909  | 0.0148  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -11.816 | -0.0063 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -1.988  | -0.0011 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -4.306  | -0.0023 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -14.334 | -0.0076 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -11.559 | -0.0061 | -2.5 to 2.5 | Pass |
|       | 1900 | 100 | 0 | 20  | 3.27 | -20.041 | -0.0105 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -10.371 | -0.0055 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | 1.531   | 0.0008  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | 30.313  | 0.0160  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | 16.351  | 0.0086  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | 29.197  | 0.0154  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -13.790 | -0.0073 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | 1.945   | 0.0010  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | 19.484  | 0.0103  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | 36.020  | 0.0190  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 40.069  | 0.0211  | -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 |       | Verdict |
|                                    |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                               | 1880            | 6             | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                              | 1880            | 6             | 0      | Refer To Test Graph        |       | Pass    |

##### 3.1.2 B2\_3MHz

| Band: 2 / Bandwidth: 3MHz / NTNV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                  |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                             | 1880            | 15            | 0      | Refer To Test Graph        |       | Pass    |

|       |      |    |   |                     |      |
|-------|------|----|---|---------------------|------|
| 16QAM | 1880 | 15 | 0 | Refer To Test Graph | Pass |
|-------|------|----|---|---------------------|------|

## 3.1.3 B2\_5MHz

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

## 3.1.4 B2\_10MHz

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

## 3.1.5 B2\_15MHz

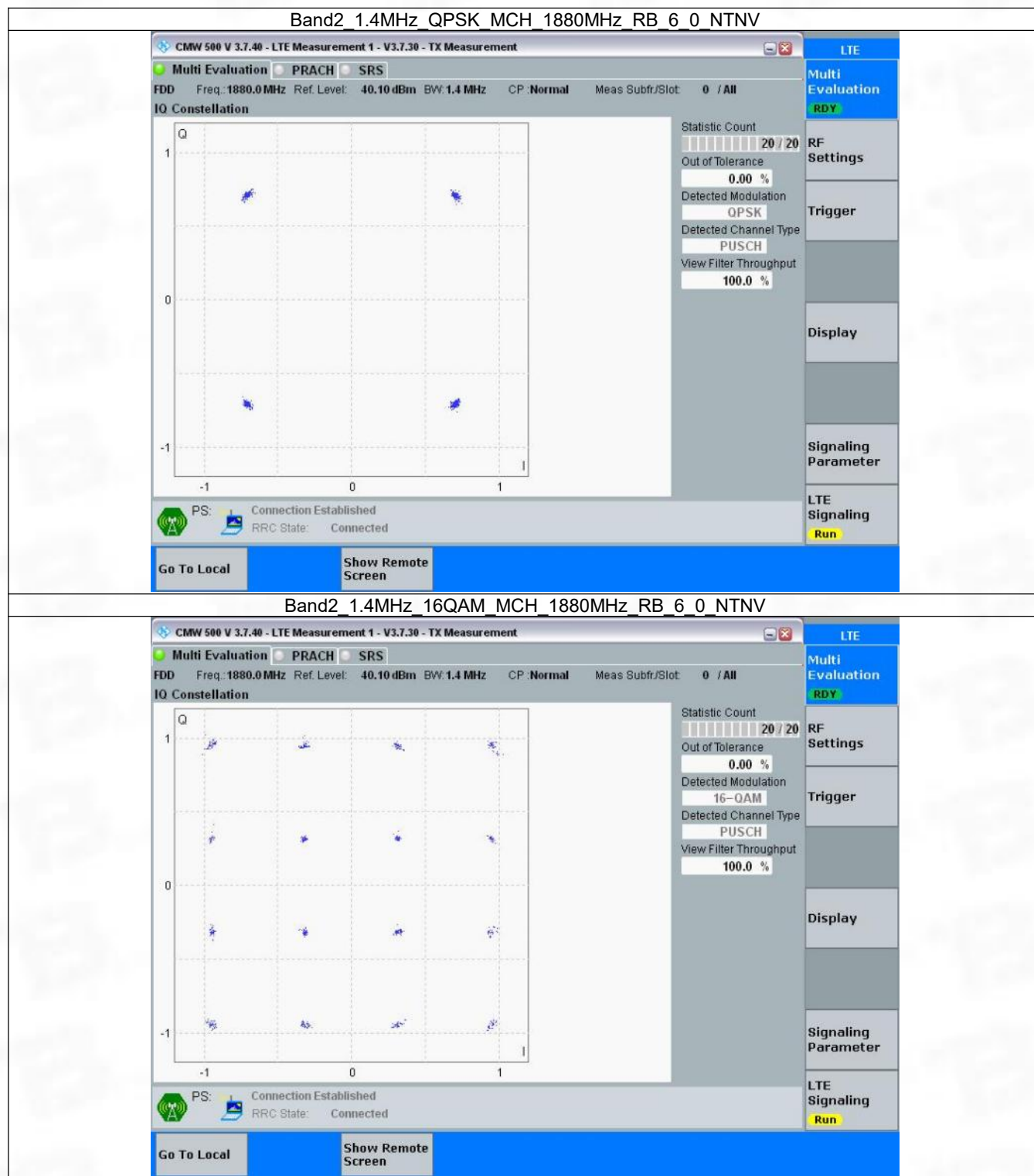
| Band: 2 / Bandwidth: 15MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency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

## 3.1.6 B2\_20MHz

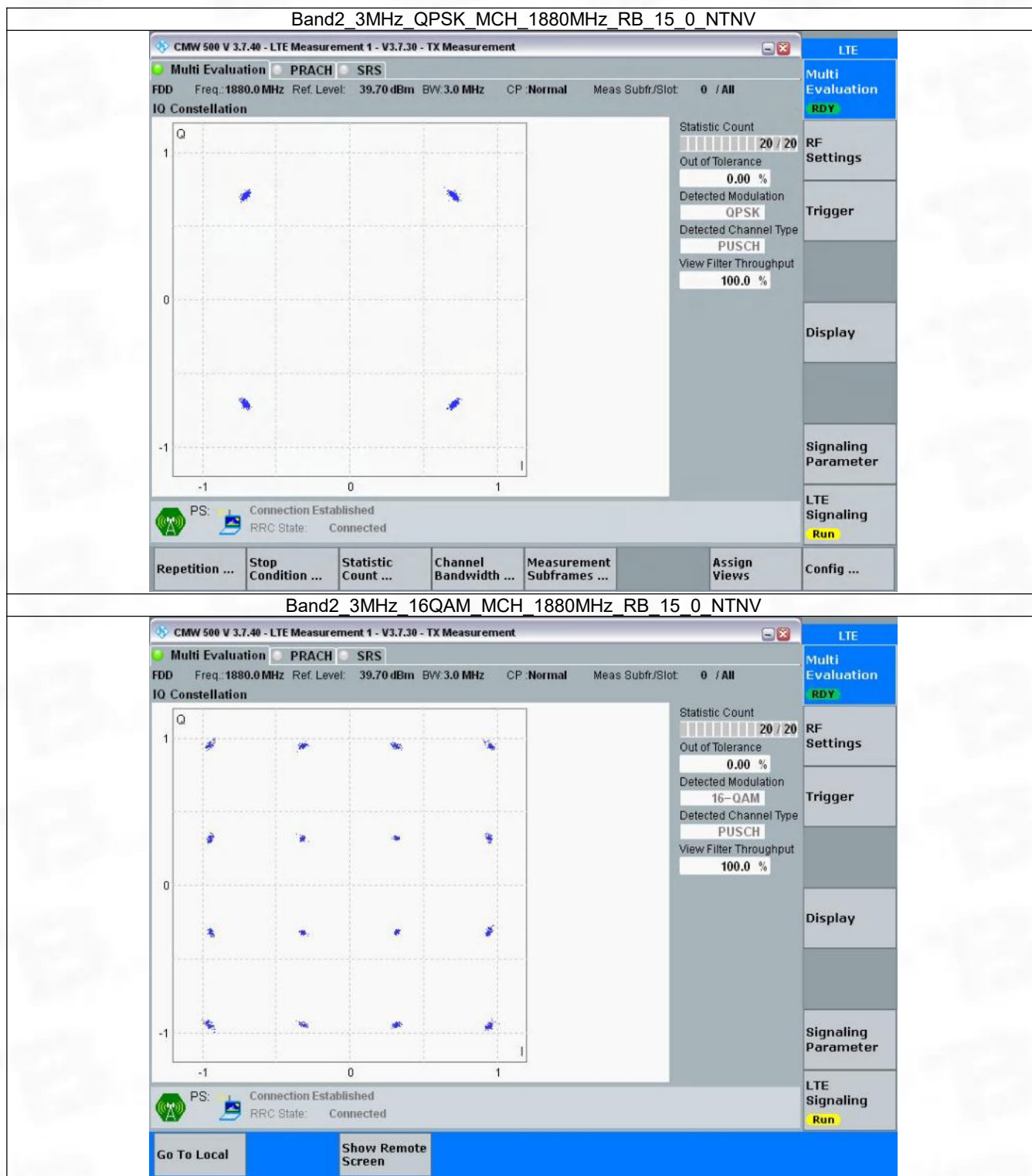
| Band: 2 / Bandwidth: 20MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency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

## 3.2 Test Graph

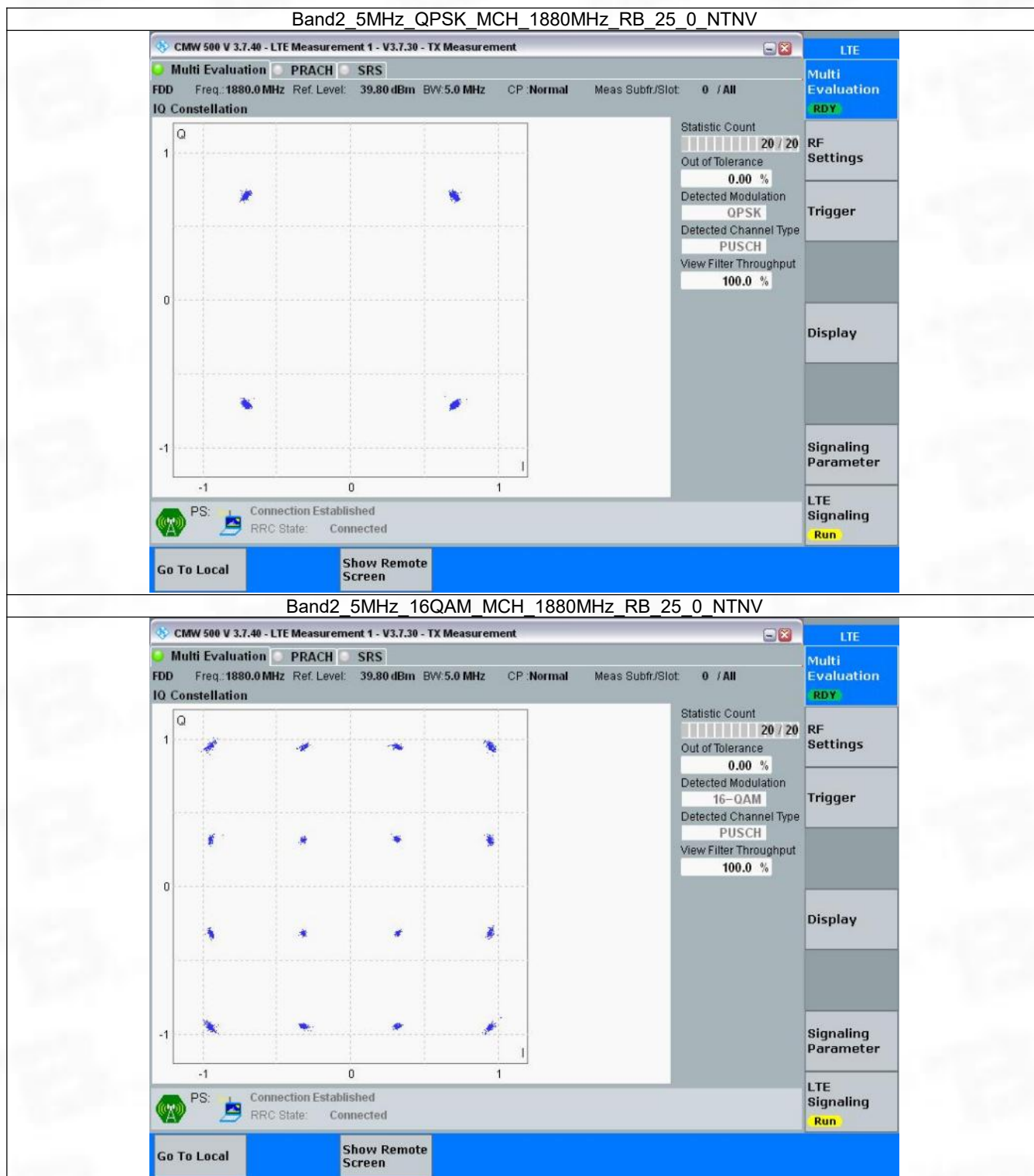
### 3.2.1 B2\_1.4MHz



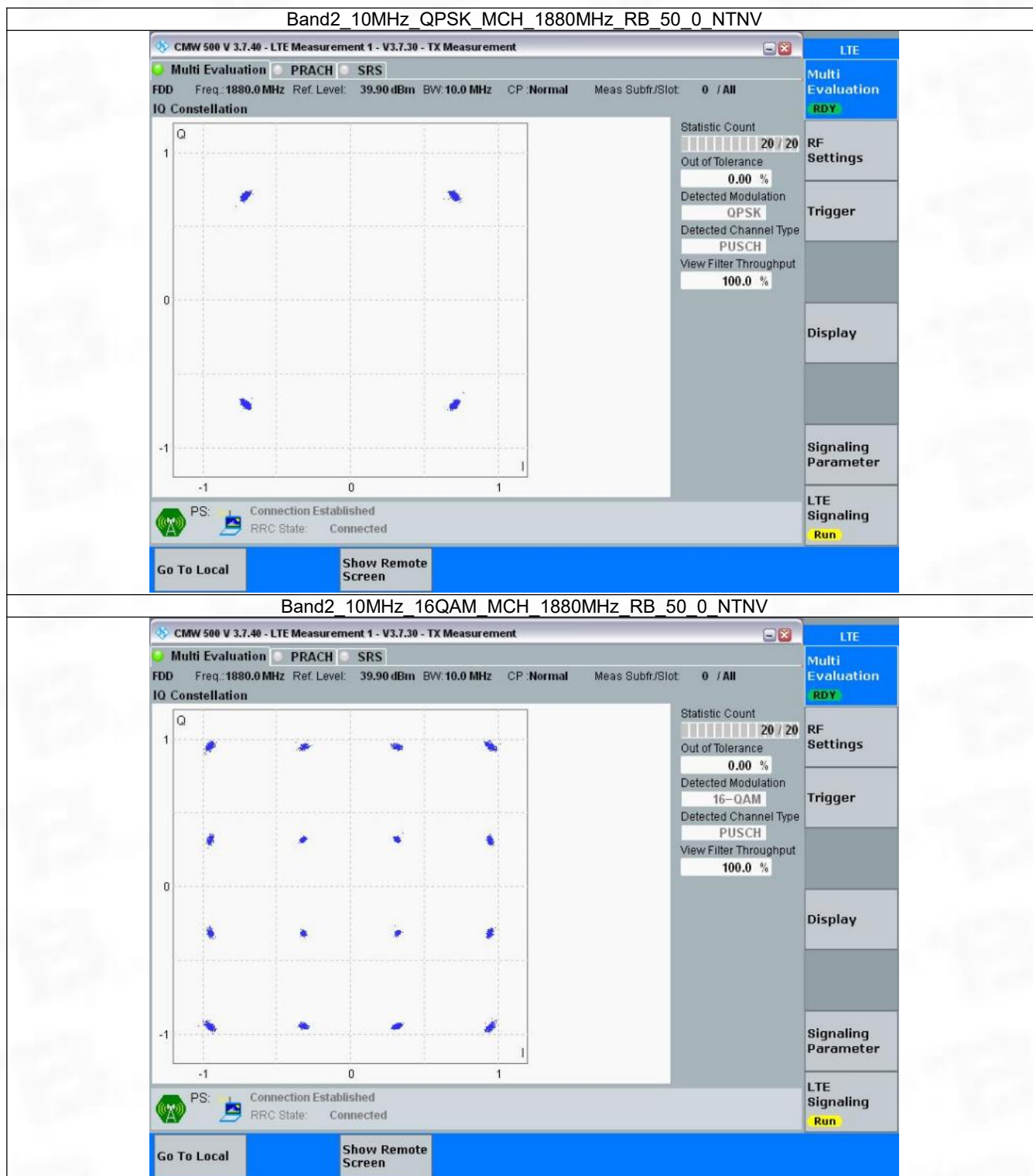
### 3.2.2 B2\_3MHz



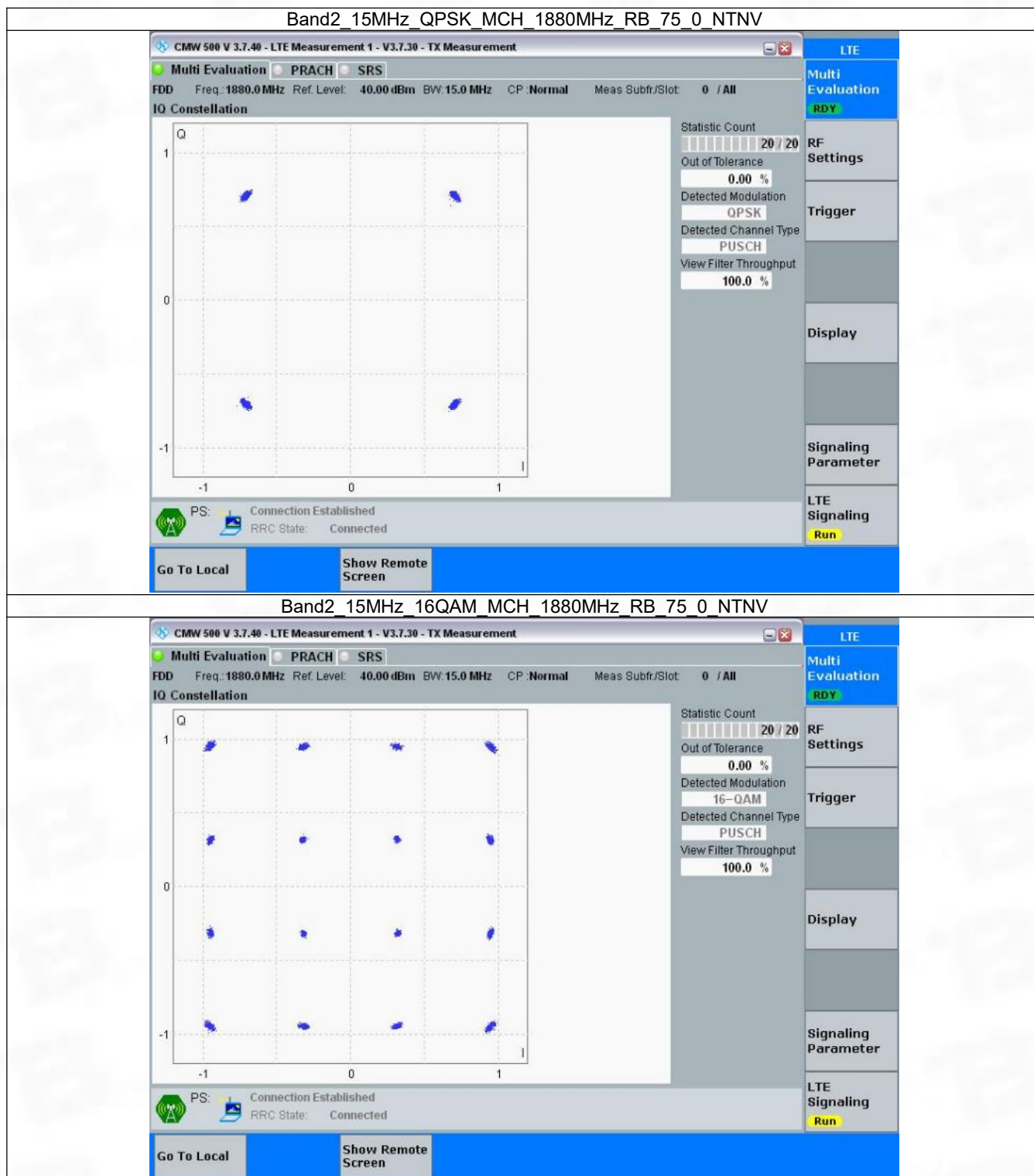
### 3.2.3 B2\_5MHz



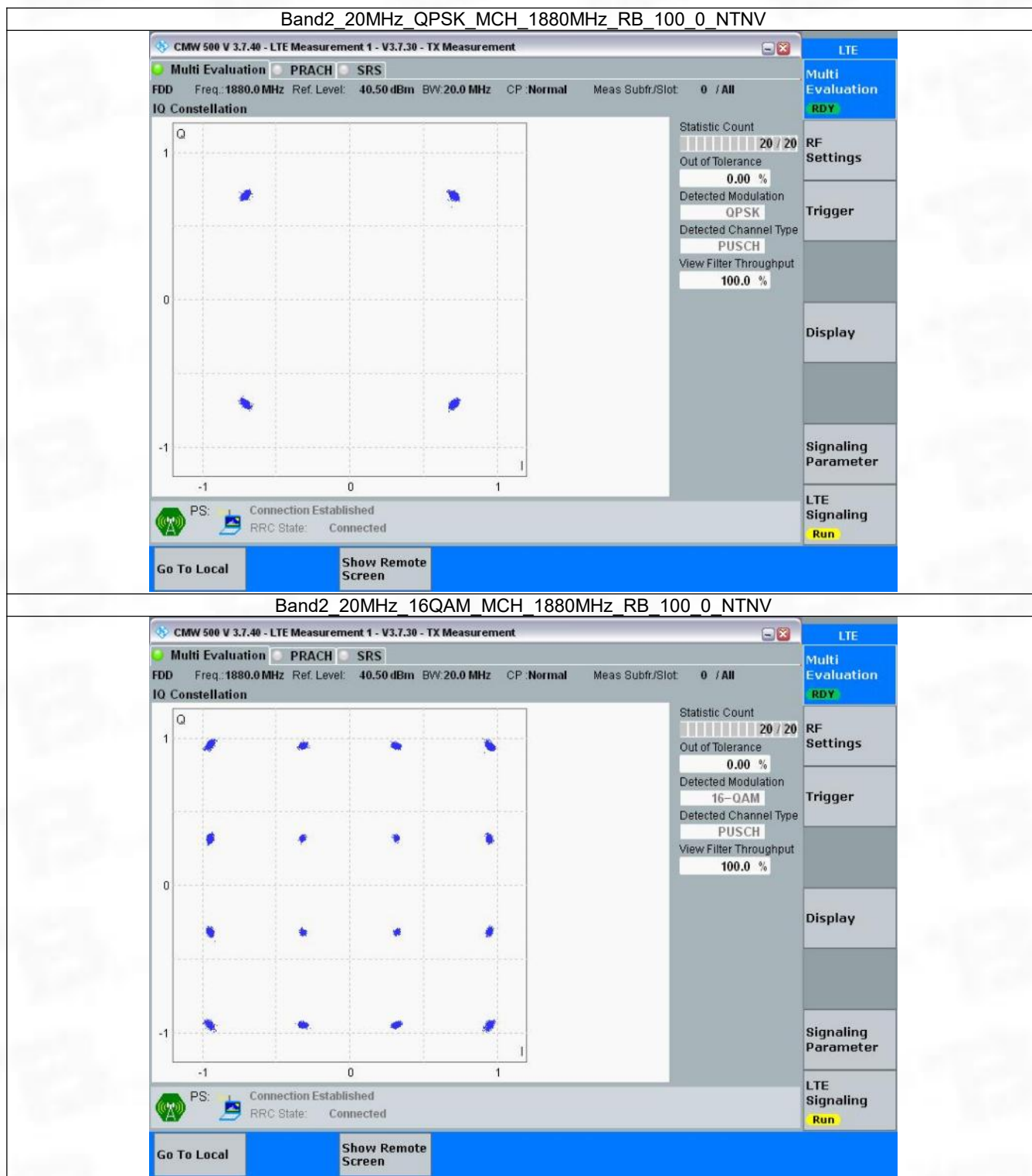
### 3.2.4 B2\_10MHz



### 3.2.5 B2\_15MHz



### 3.2.6 B2\_20MHz



## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 Band2\_OBW

| Band: 2 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 1850.7          | 6             | 0      | 1.113                        | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.112                        | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.114                        | /     | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.105                        | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.110                        | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.115                        | /     | Pass    |
| 3               | QPSK       | 1851.5          | 15            | 0      | 2.758                        | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 2.765                        | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.760                        | /     | Pass    |
|                 | 16QAM      | 1851.5          | 15            | 0      | 2.762                        | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 2.753                        | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.762                        | /     | Pass    |
| 5               | QPSK       | 1852.5          | 25            | 0      | 4.557                        | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 4.550                        | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.560                        | /     | Pass    |
|                 | 16QAM      | 1852.5          | 25            | 0      | 4.543                        | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 4.566                        | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.544                        | /     | Pass    |
| 10              | QPSK       | 1855            | 50            | 0      | 9.078                        | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.063                        | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 9.081                        | /     | Pass    |
|                 | 16QAM      | 1855            | 50            | 0      | 9.059                        | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.054                        | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 9.072                        | /     | Pass    |
| 15              | QPSK       | 1857.5          | 75            | 0      | 13.569                       | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 13.592                       | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.652                       | /     | Pass    |
|                 | 16QAM      | 1857.5          | 75            | 0      | 13.590                       | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 13.656                       | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.660                       | /     | Pass    |
| 20              | QPSK       | 1860            | 100           | 0      | 18.120                       | /     | Pass    |
|                 |            | 1880            | 100           | 0      | 18.178                       | /     | Pass    |
|                 |            | 1900            | 100           | 0      | 18.192                       | /     | Pass    |
|                 | 16QAM      | 1860            | 100           | 0      | 18.111                       | /     | Pass    |
|                 |            | 1880            | 100           | 0      | 18.219                       | /     | Pass    |
|                 |            | 1900            | 100           | 0      | 18.211                       | /     | Pass    |

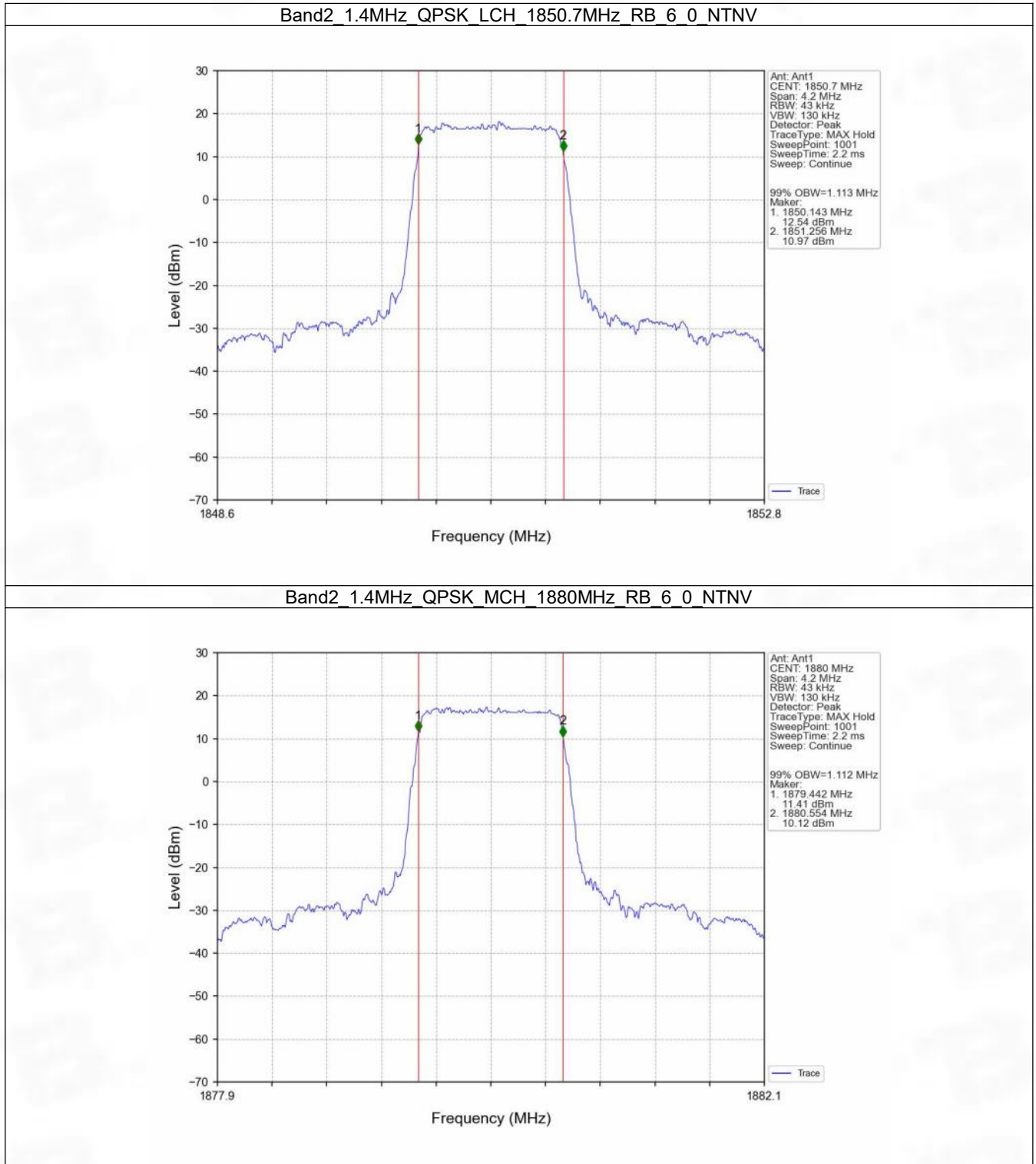
#### 4.1.2 Band2\_XDB

| 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      | 1.267                | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.274                | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.268                | /     | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.275                | /     | Pass    |
|                 |            |                 |               |        |                      |       |         |

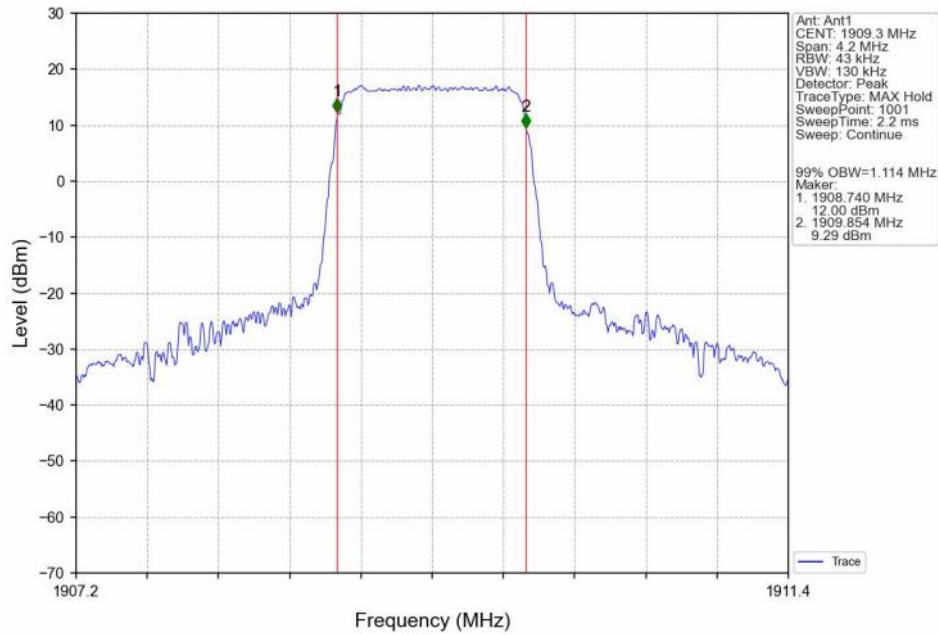
|    |       |        |     |   |        |   |      |
|----|-------|--------|-----|---|--------|---|------|
|    |       | 1880   | 6   | 0 | 1.273  | / | Pass |
|    |       | 1909.3 | 6   | 0 | 1.265  | / | Pass |
| 3  | QPSK  | 1851.5 | 15  | 0 | 3.101  | / | Pass |
|    |       | 1880   | 15  | 0 | 3.110  | / | Pass |
|    |       | 1908.5 | 15  | 0 | 3.113  | / | Pass |
|    | 16QAM | 1851.5 | 15  | 0 | 3.132  | / | Pass |
|    |       | 1880   | 15  | 0 | 3.103  | / | Pass |
|    |       | 1908.5 | 15  | 0 | 3.100  | / | Pass |
| 5  | QPSK  | 1852.5 | 25  | 0 | 5.047  | / | Pass |
|    |       | 1880   | 25  | 0 | 5.081  | / | Pass |
|    |       | 1907.5 | 25  | 0 | 5.026  | / | Pass |
|    | 16QAM | 1852.5 | 25  | 0 | 5.067  | / | Pass |
|    |       | 1880   | 25  | 0 | 5.088  | / | Pass |
|    |       | 1907.5 | 25  | 0 | 5.030  | / | Pass |
| 10 | QPSK  | 1855   | 50  | 0 | 10.008 | / | Pass |
|    |       | 1880   | 50  | 0 | 10.036 | / | Pass |
|    |       | 1905   | 50  | 0 | 10.061 | / | Pass |
|    | 16QAM | 1855   | 50  | 0 | 10.083 | / | Pass |
|    |       | 1880   | 50  | 0 | 10.014 | / | Pass |
|    |       | 1905   | 50  | 0 | 10.061 | / | Pass |
| 15 | QPSK  | 1857.5 | 75  | 0 | 15.142 | / | Pass |
|    |       | 1880   | 75  | 0 | 15.068 | / | Pass |
|    |       | 1902.5 | 75  | 0 | 15.098 | / | Pass |
|    | 16QAM | 1857.5 | 75  | 0 | 15.206 | / | Pass |
|    |       | 1880   | 75  | 0 | 15.292 | / | Pass |
|    |       | 1902.5 | 75  | 0 | 15.231 | / | Pass |
| 20 | QPSK  | 1860   | 100 | 0 | 20.066 | / | Pass |
|    |       | 1880   | 100 | 0 | 20.048 | / | Pass |
|    |       | 1900   | 100 | 0 | 19.889 | / | Pass |
|    | 16QAM | 1860   | 100 | 0 | 20.005 | / | Pass |
|    |       | 1880   | 100 | 0 | 20.086 | / | Pass |
|    |       | 1900   | 100 | 0 | 20.043 | / | Pass |

## 4.2 Test Graph

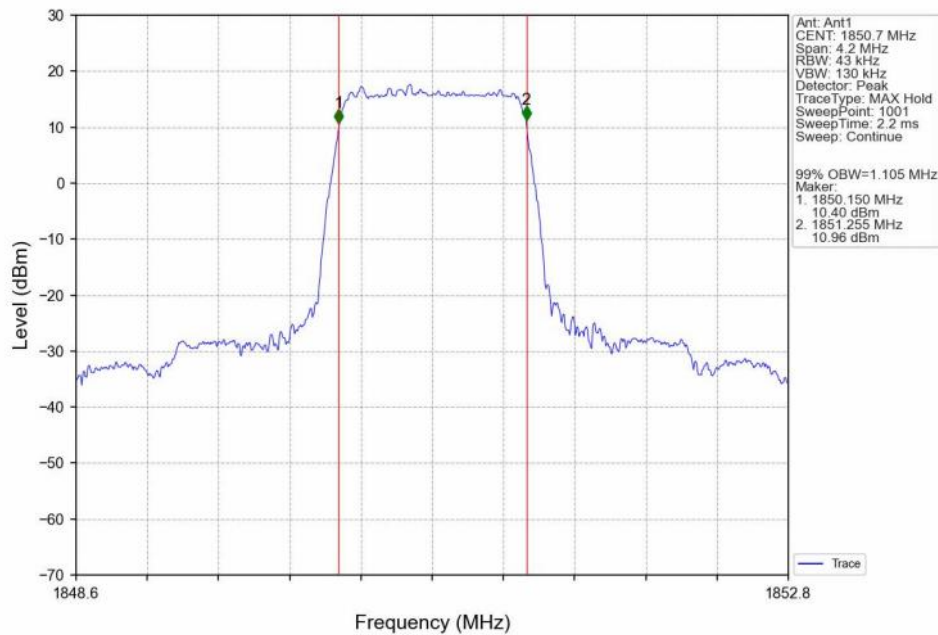
### 4.2.1 Band2\_OBW



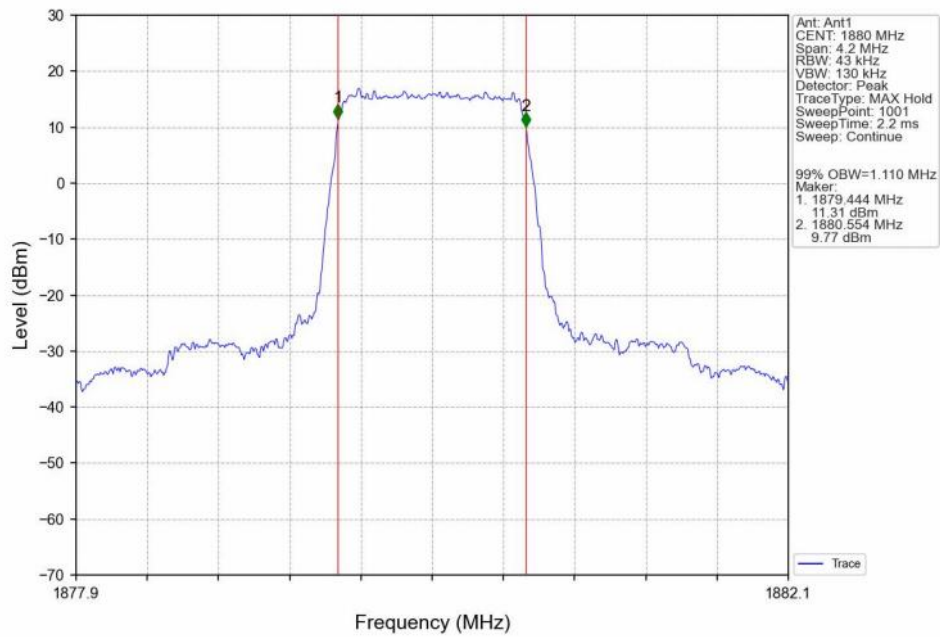
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



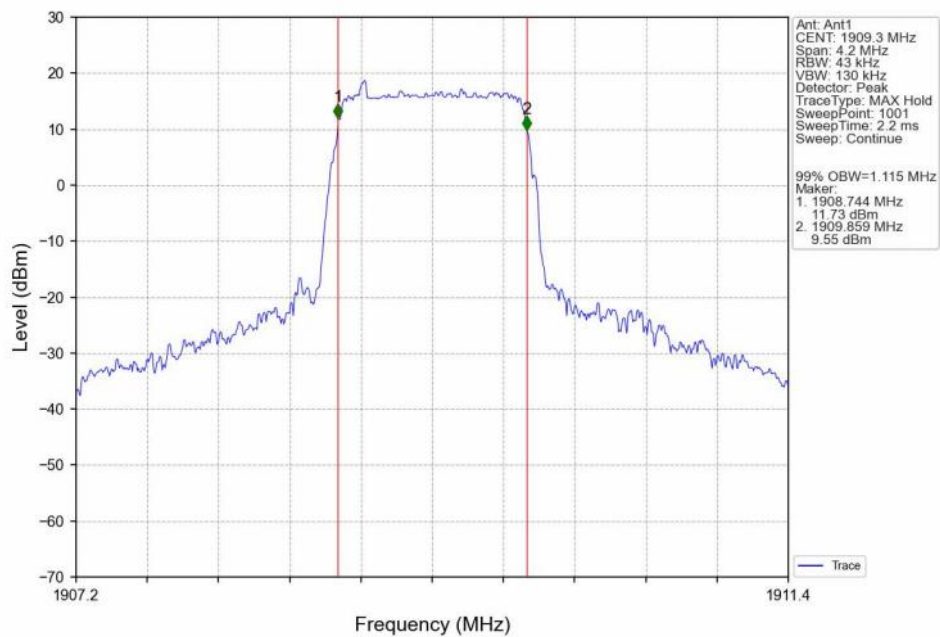
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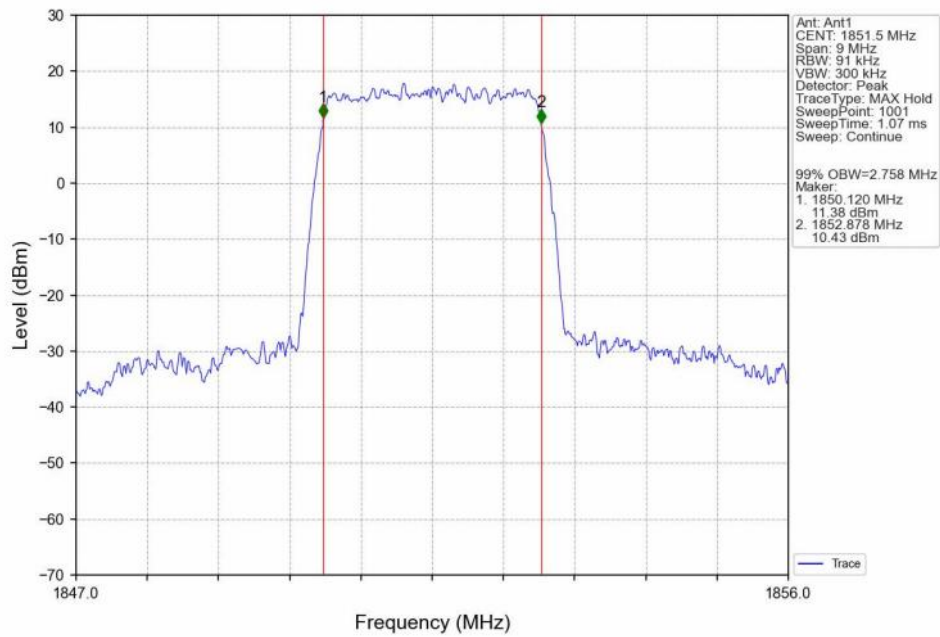
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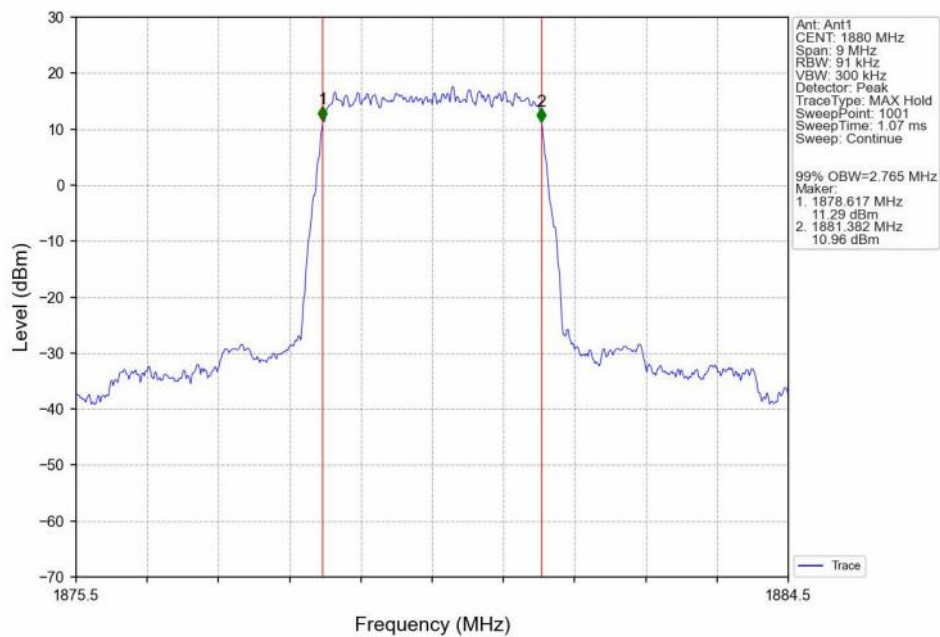
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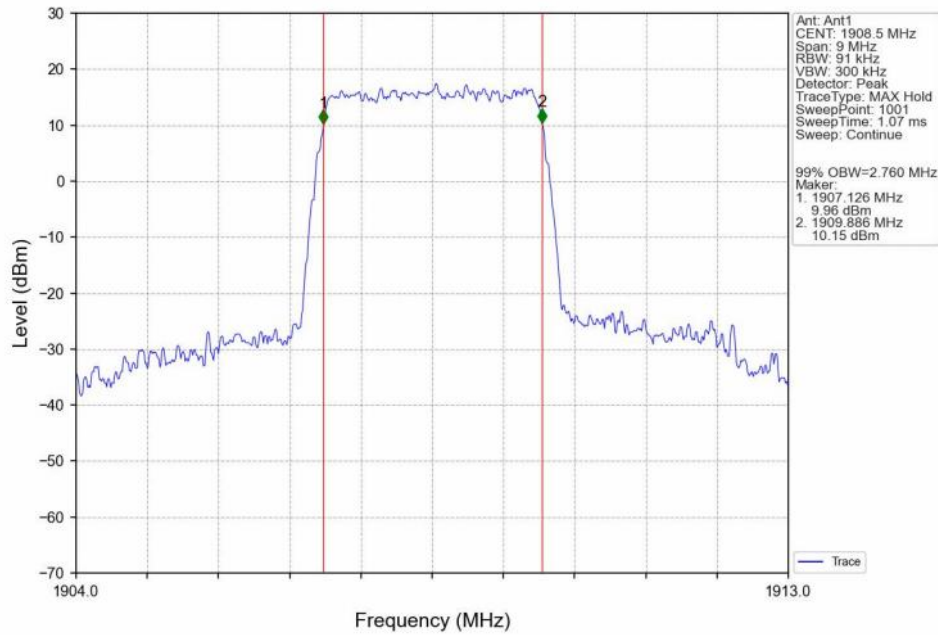
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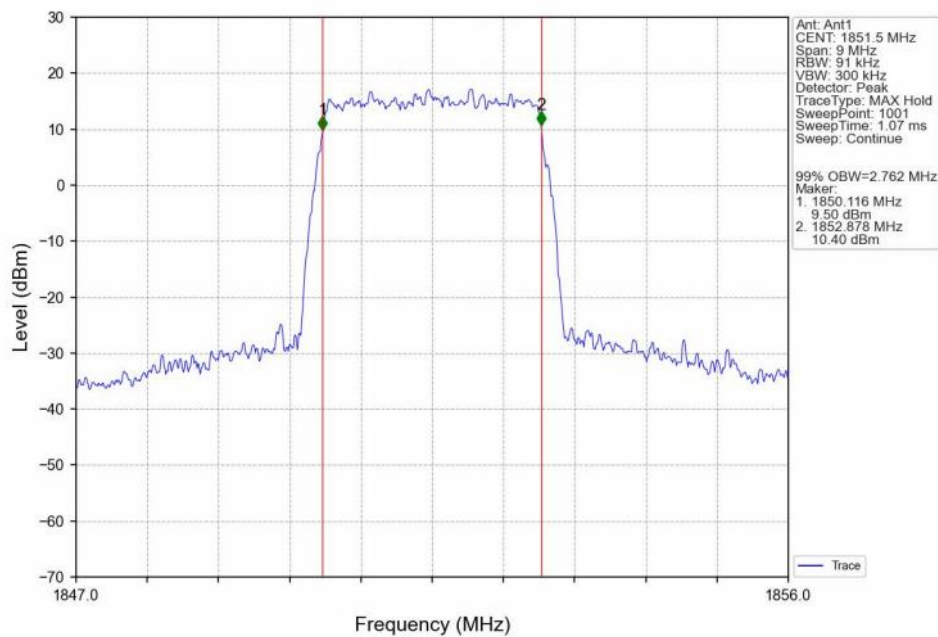
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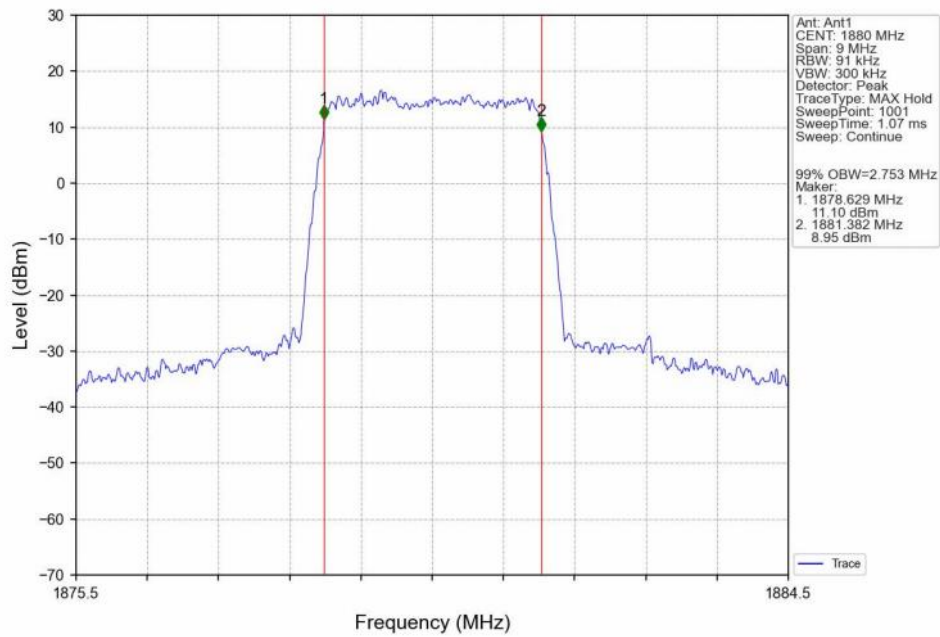
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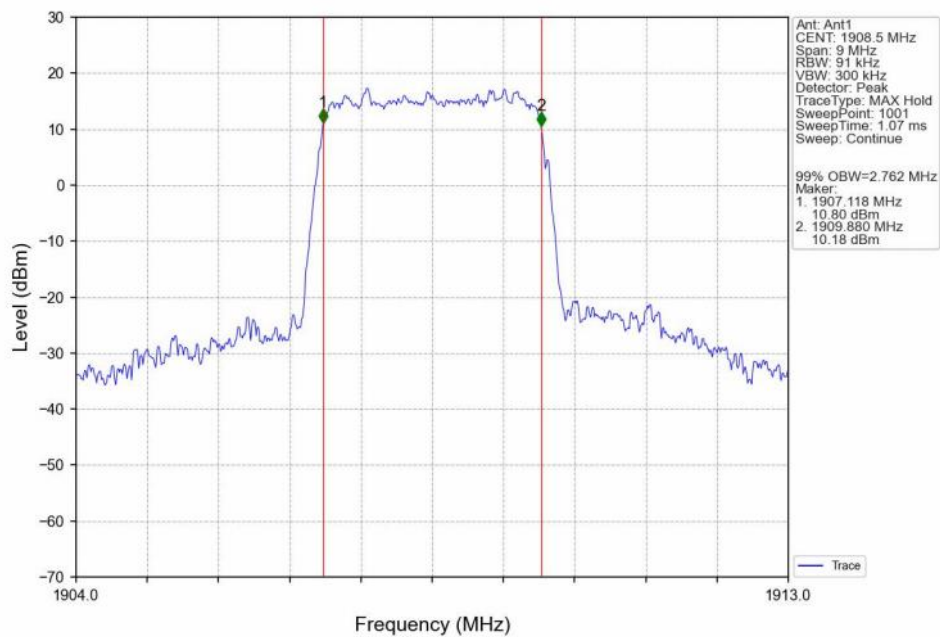
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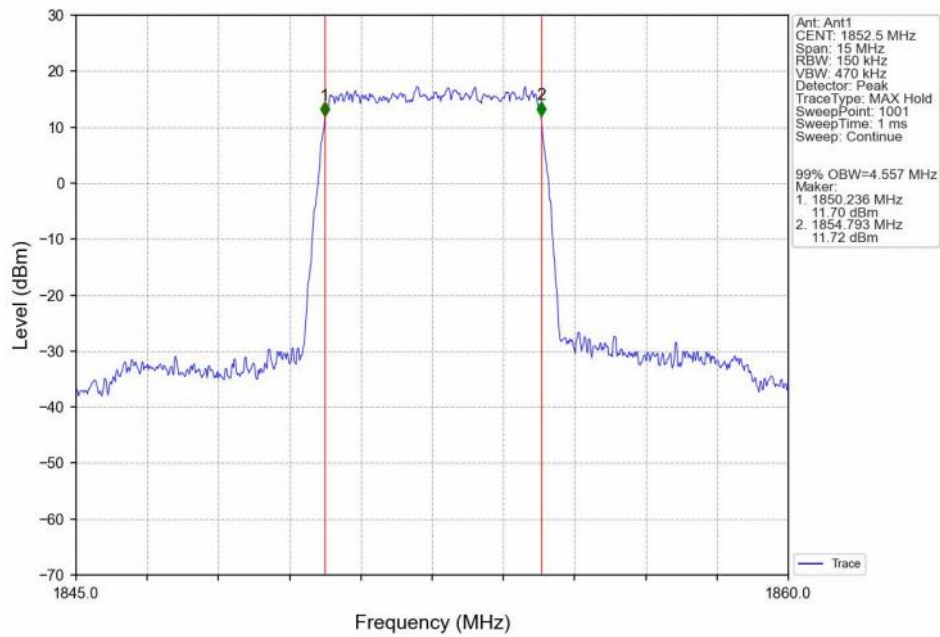
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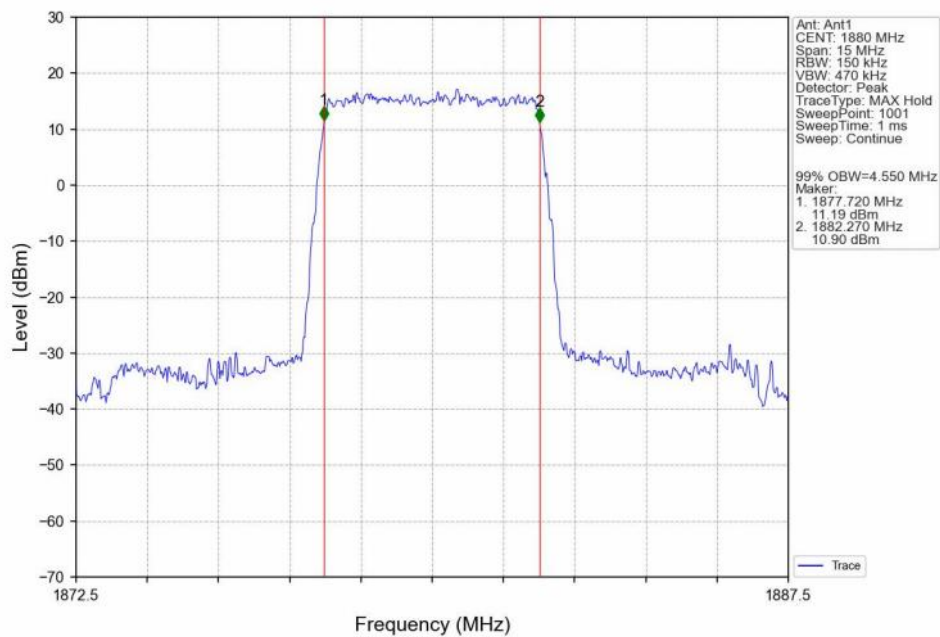
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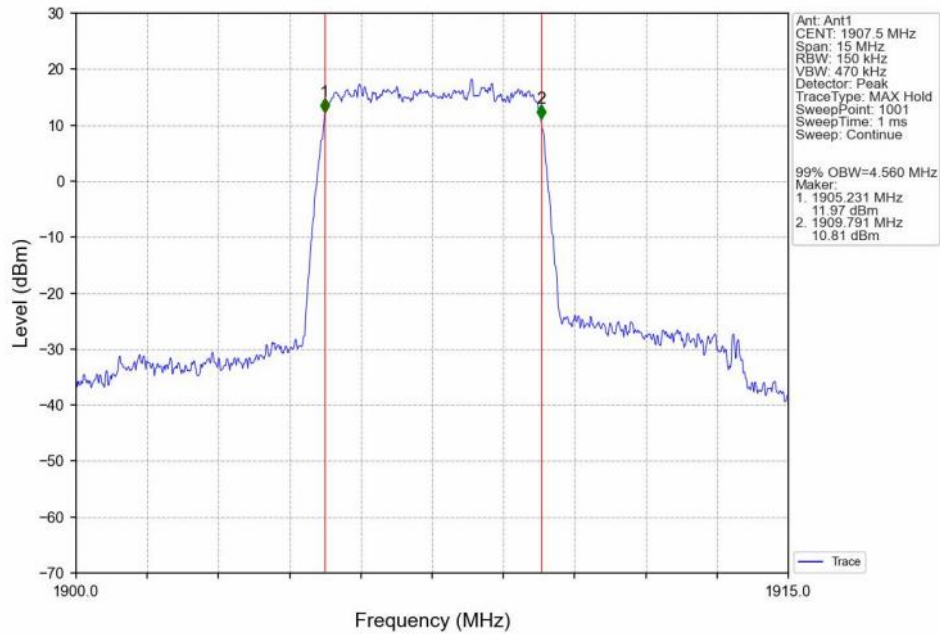
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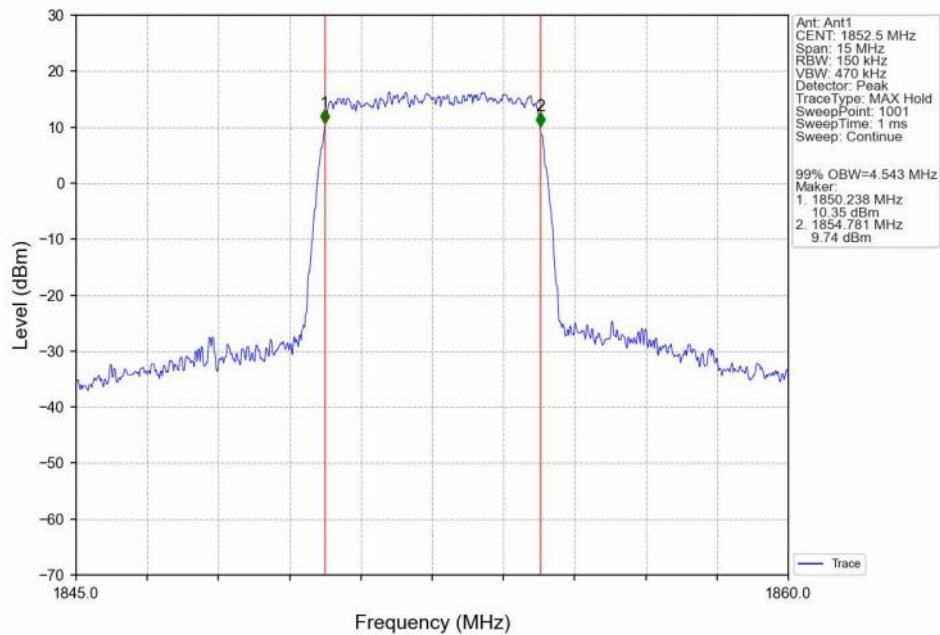
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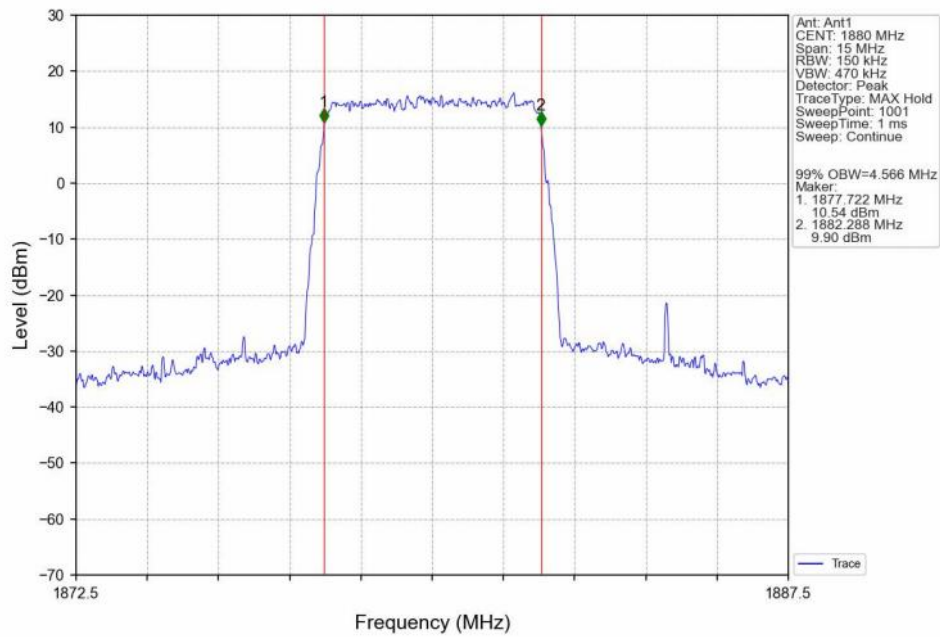
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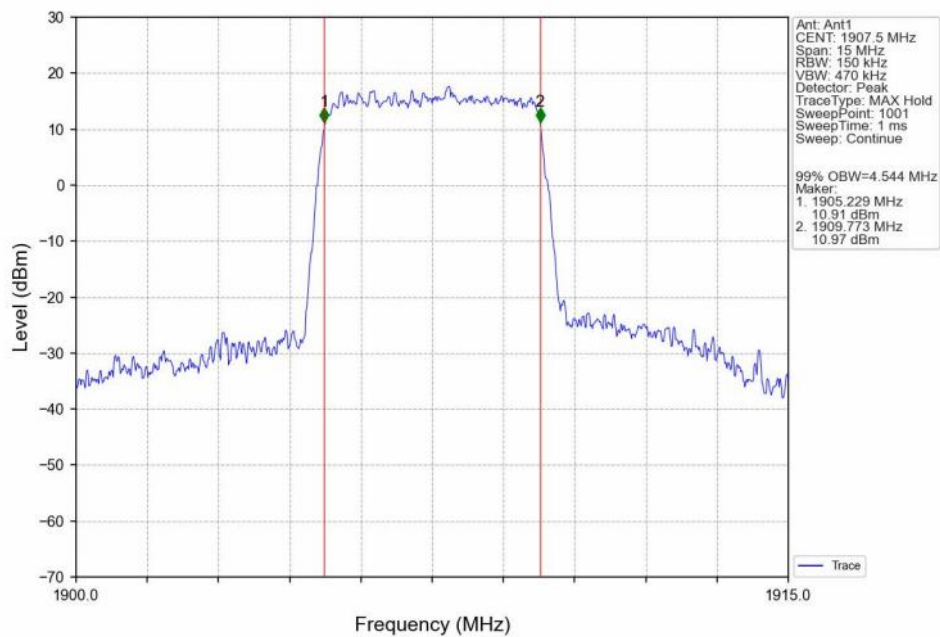
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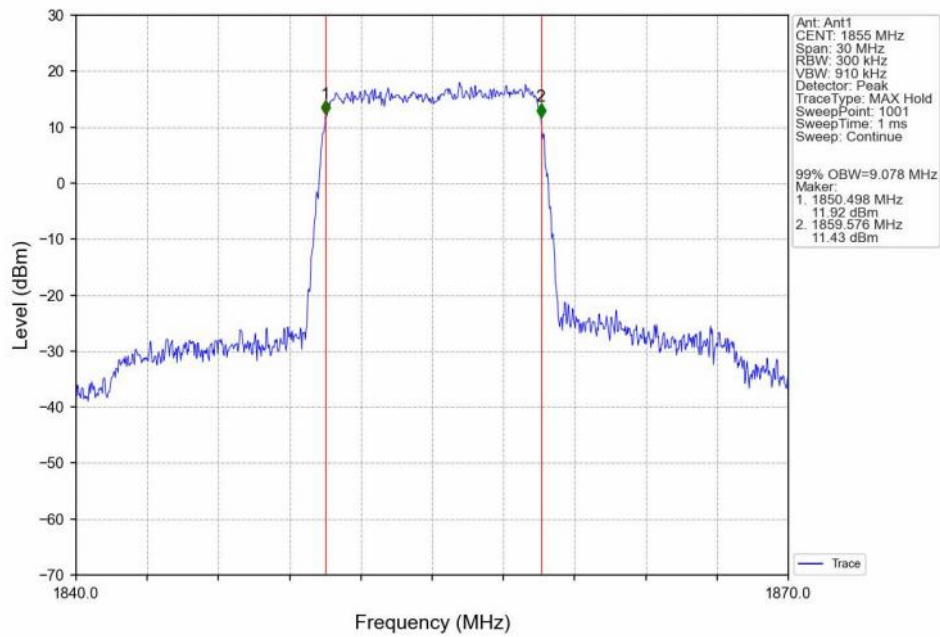
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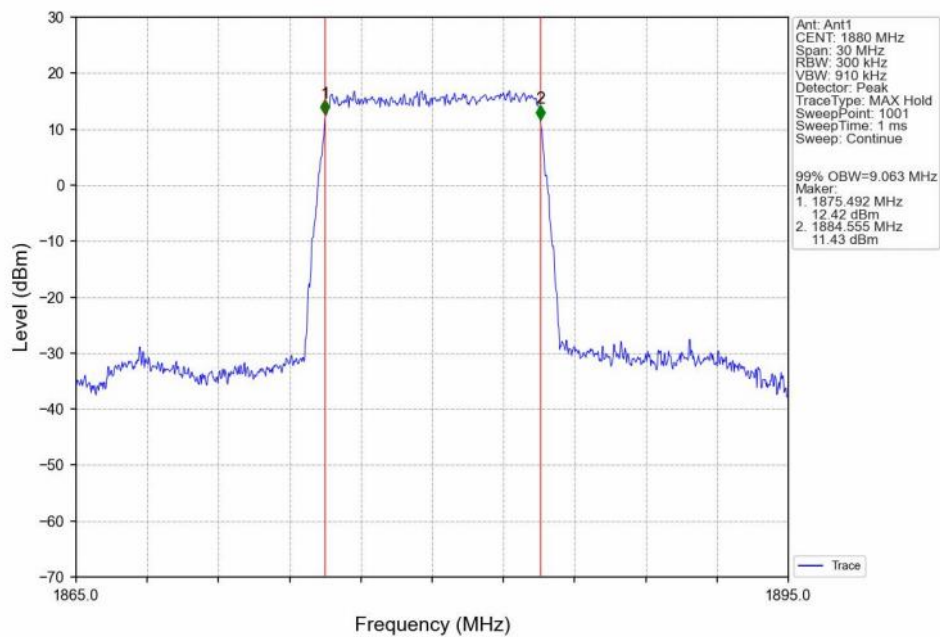
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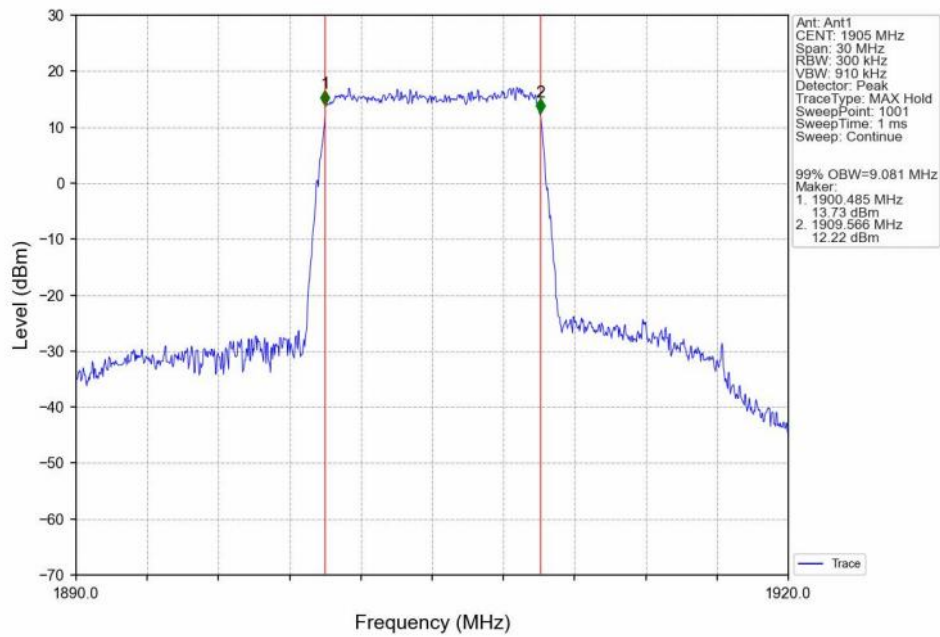
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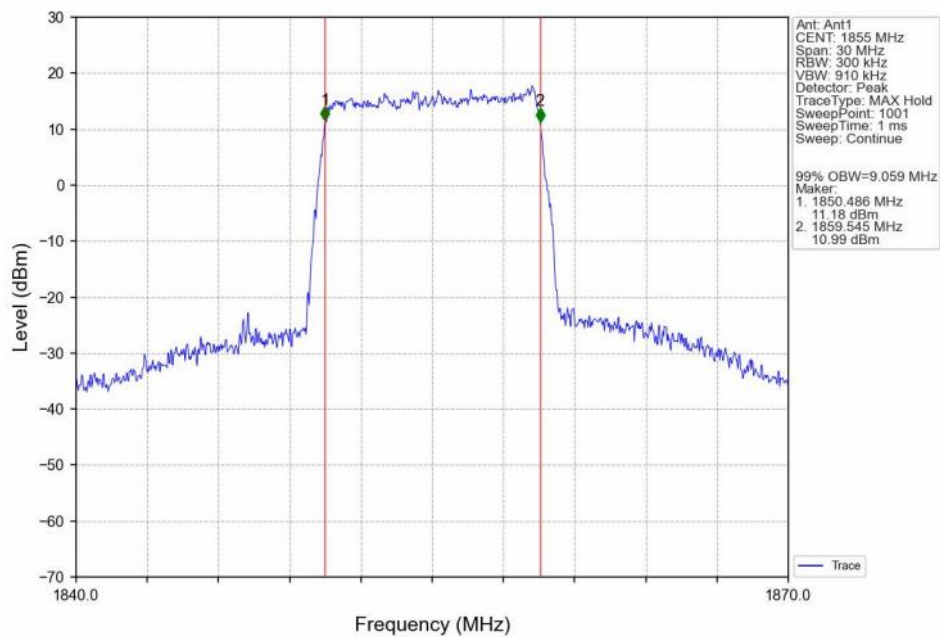
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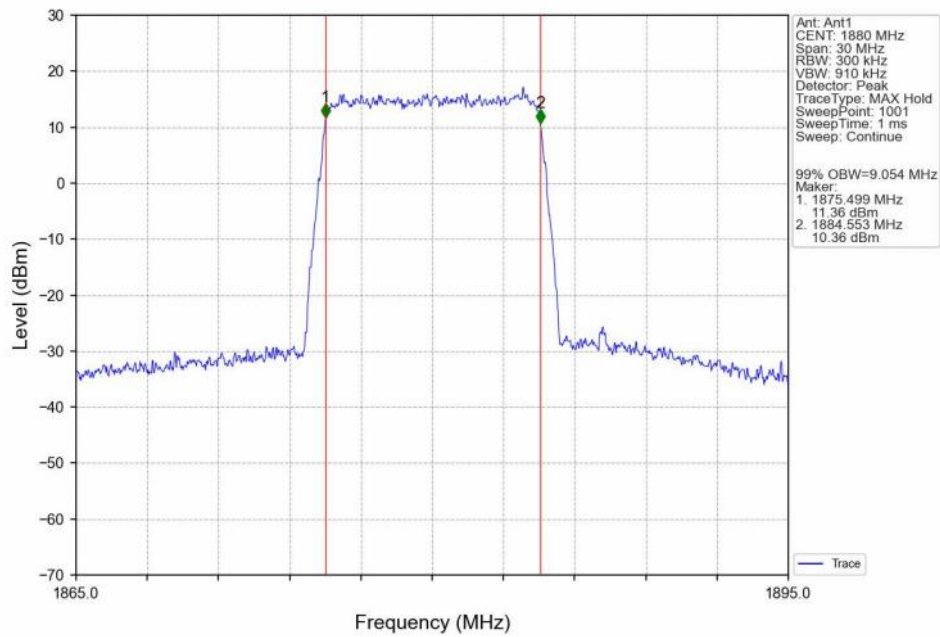
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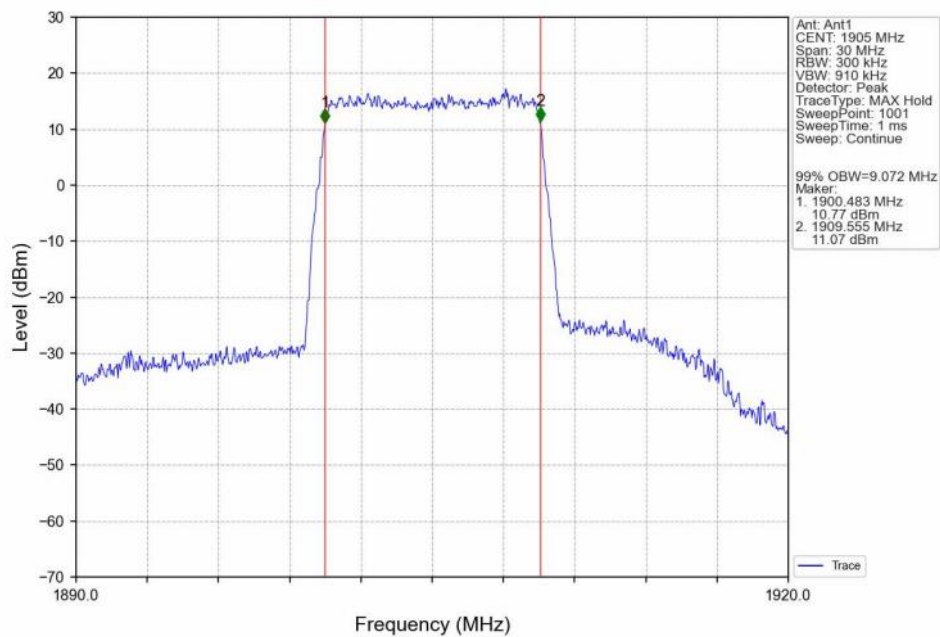
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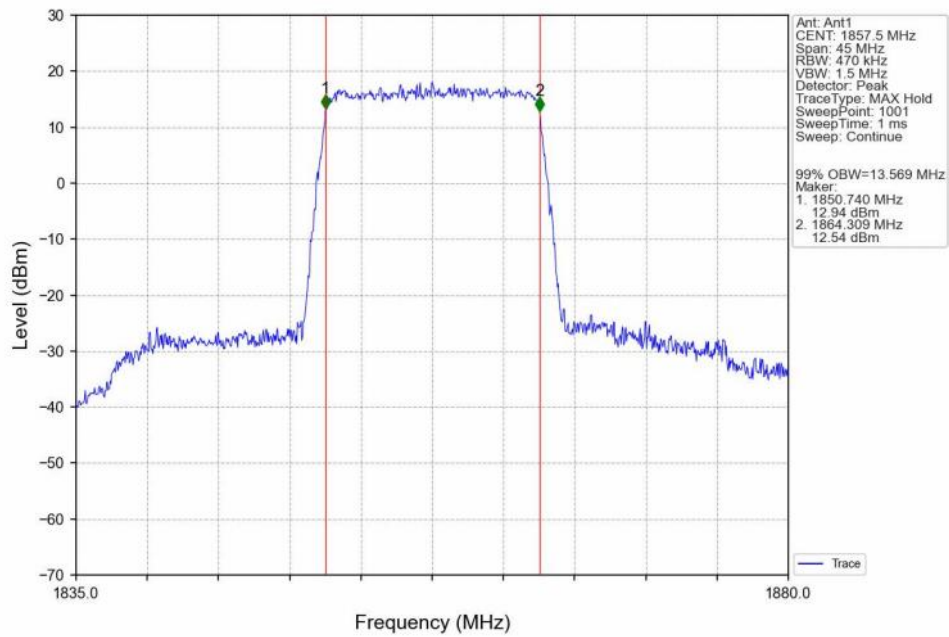
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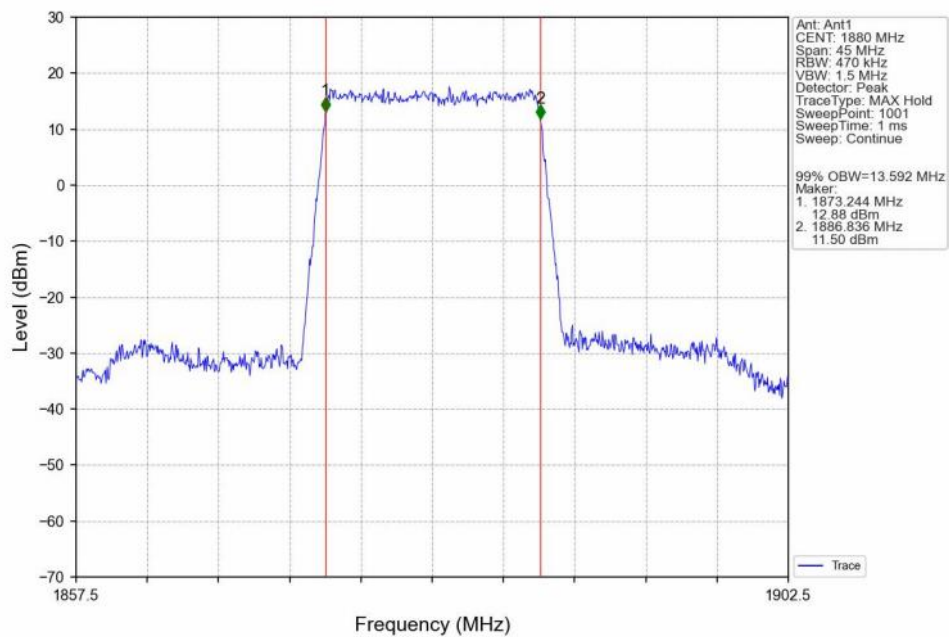
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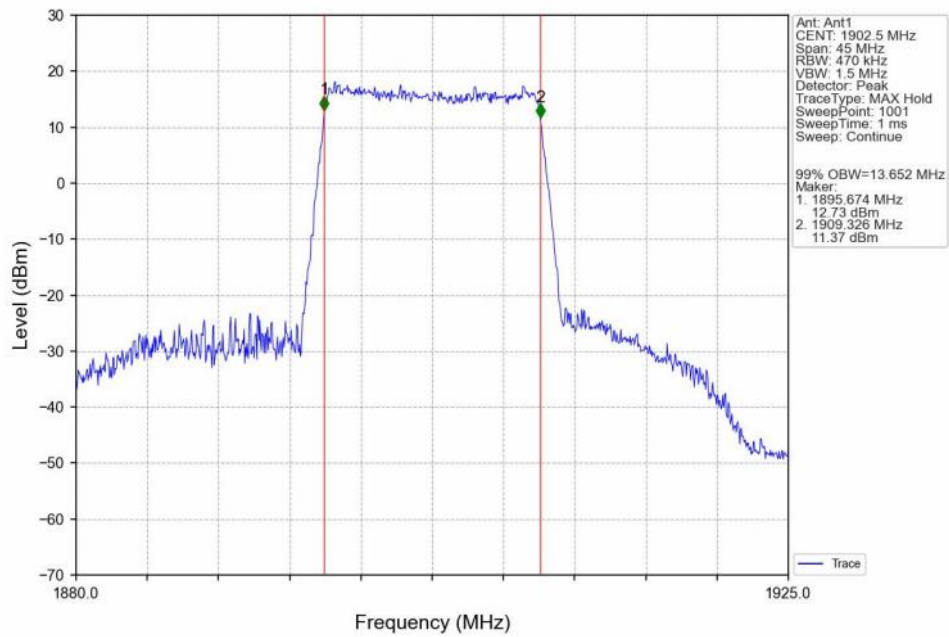
Band2\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



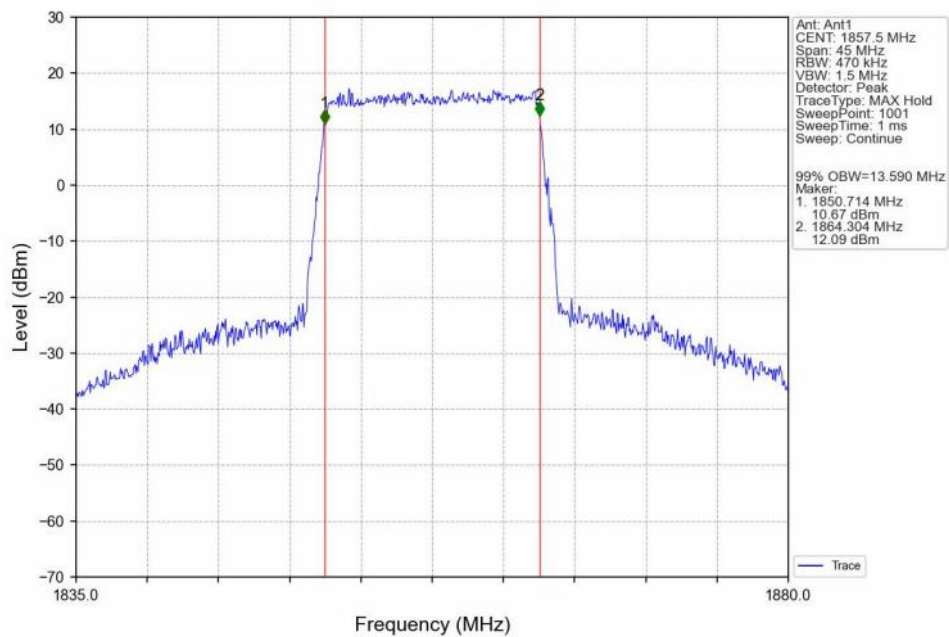
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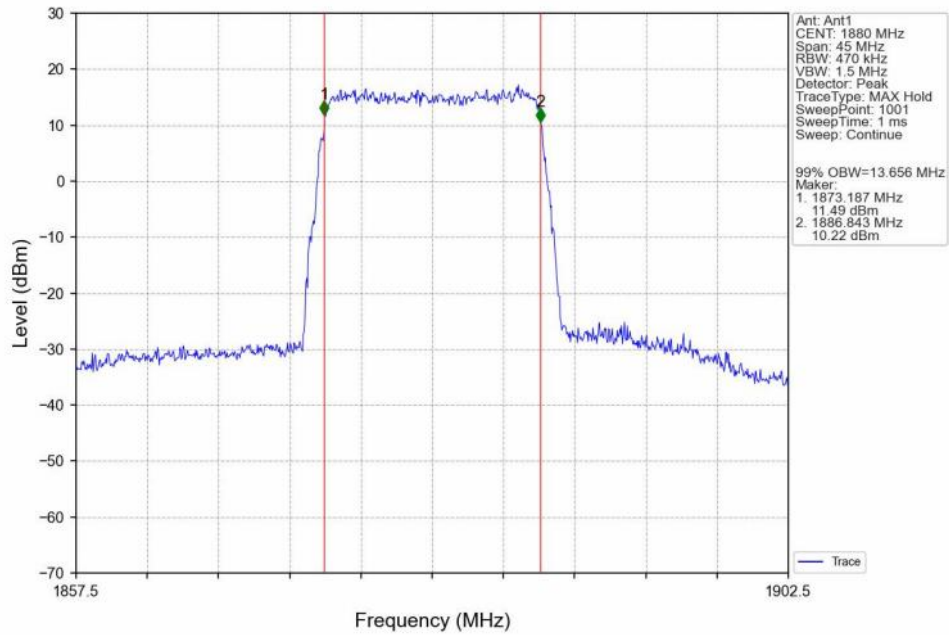
Band2\_15MHz\_QPSK\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



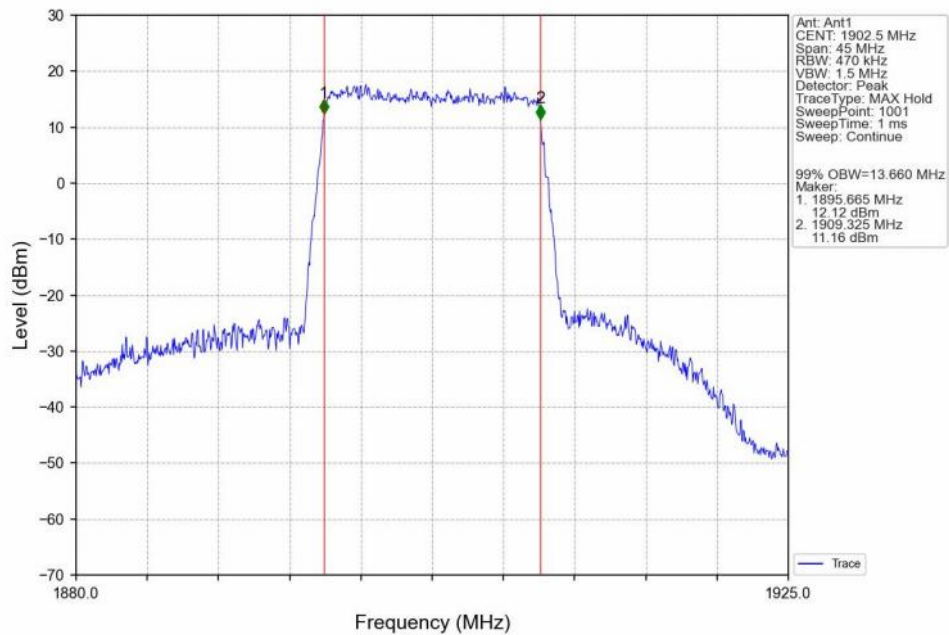
Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



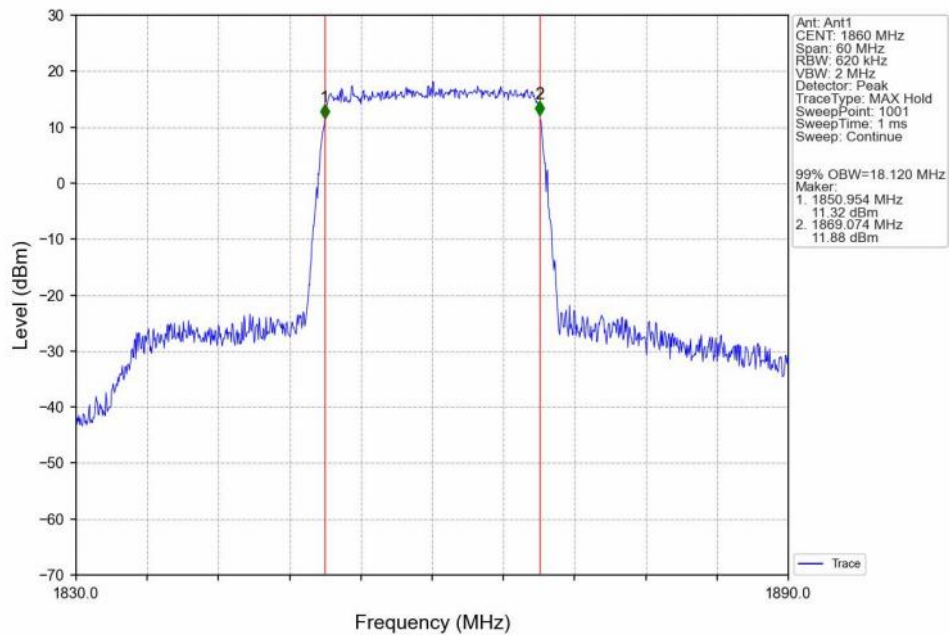
Band2\_15MHz\_16QAM\_MCH\_1880MHz\_RB\_75\_0\_NTNV



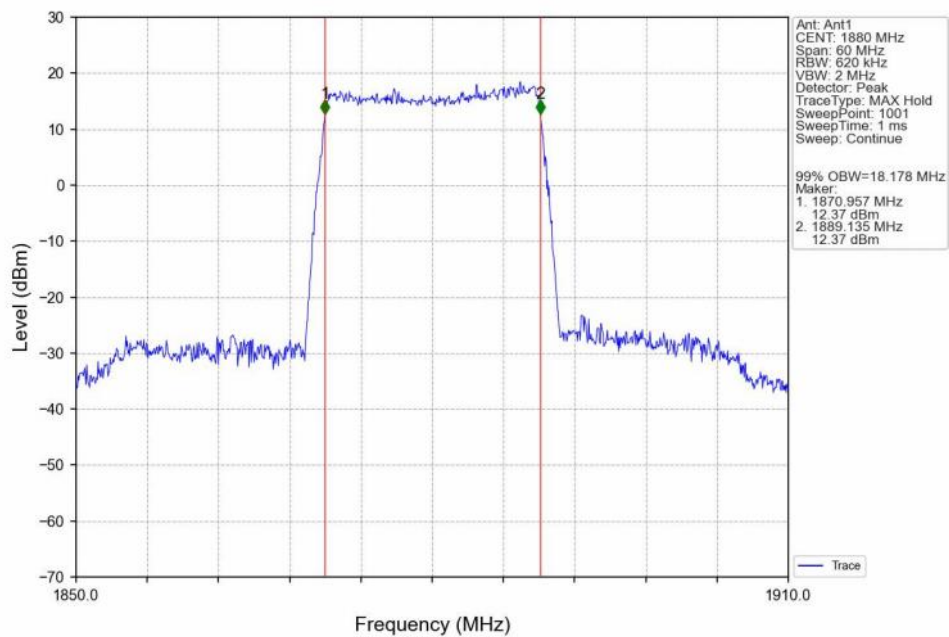
Band2\_15MHz\_16QAM\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



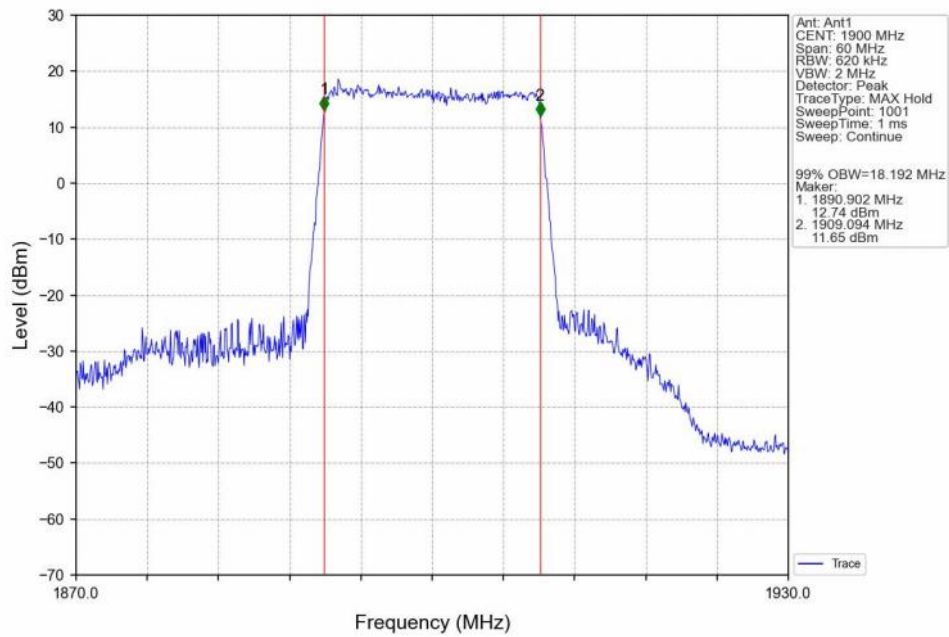
Band2\_20MHz\_QPSK\_LCH\_1860MHz\_RB\_100\_0\_NTNV



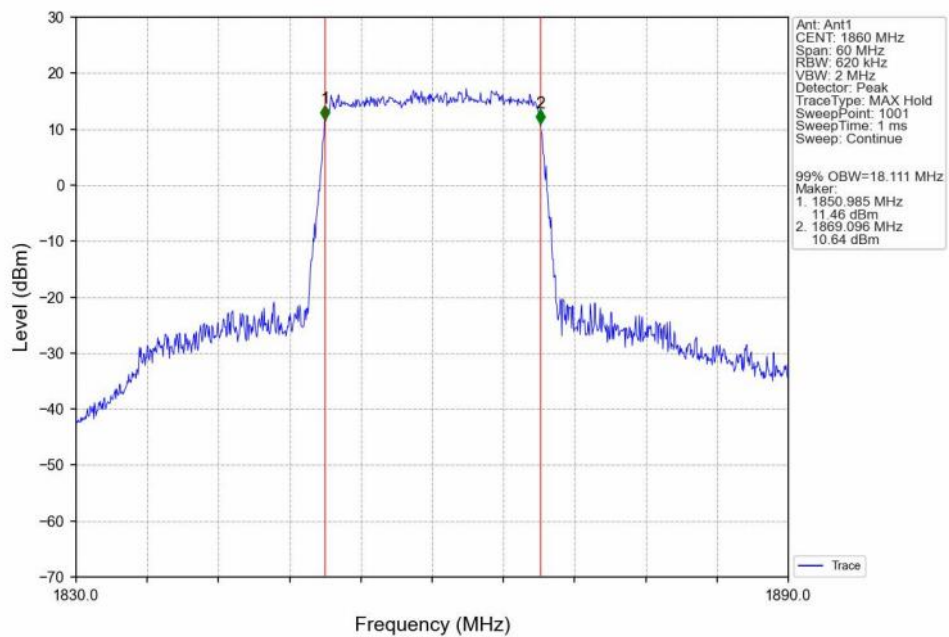
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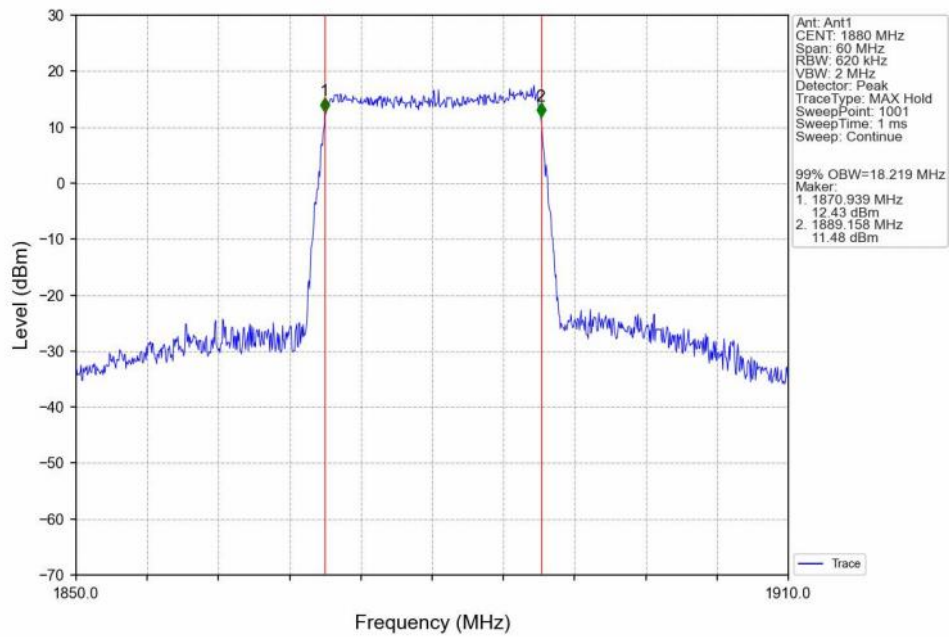
Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



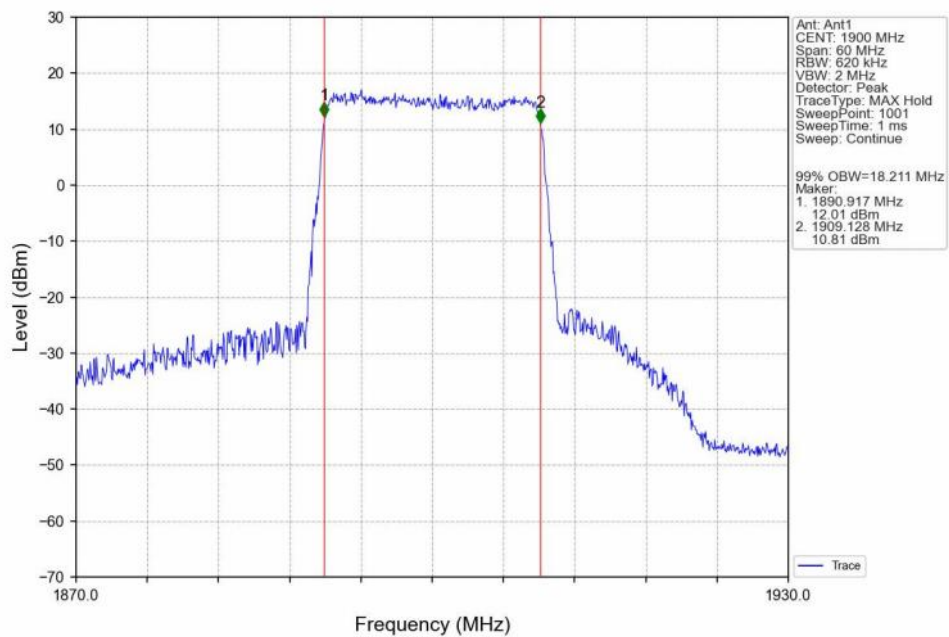
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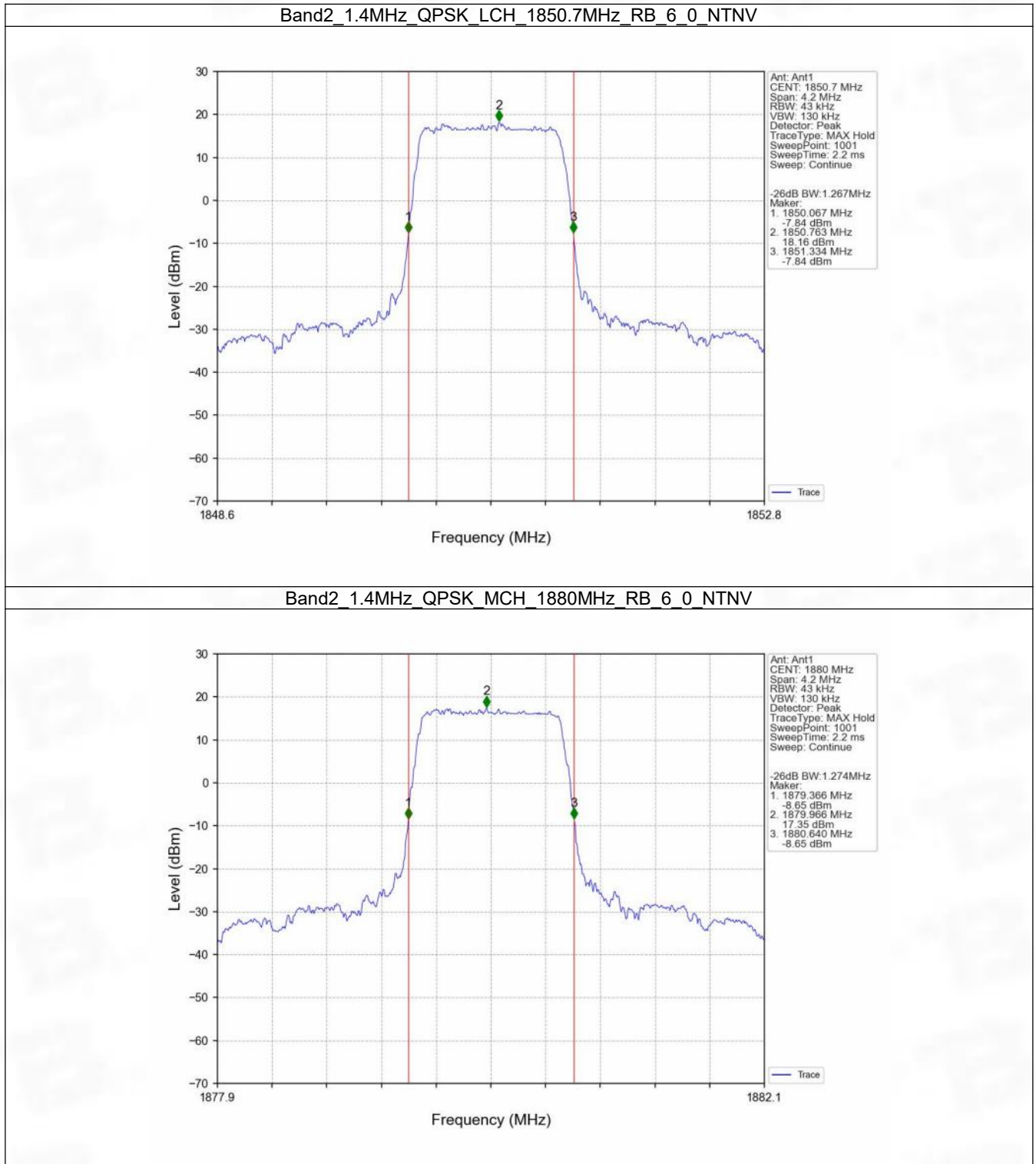
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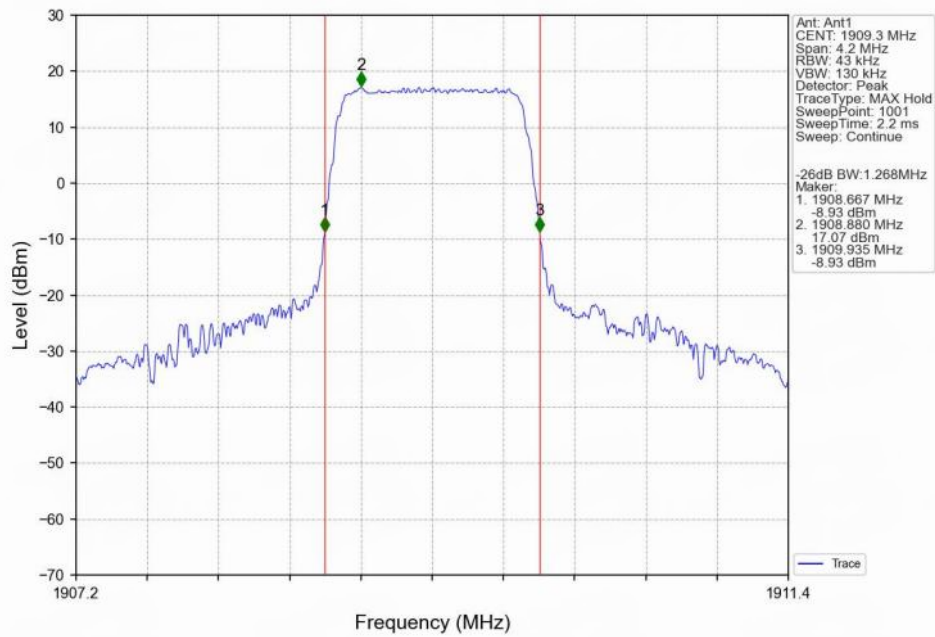
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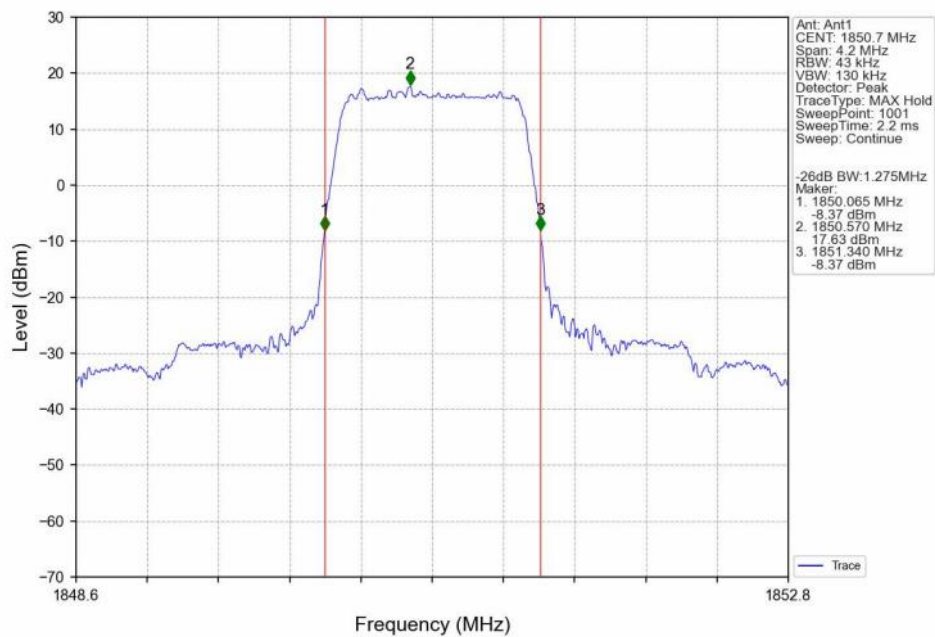
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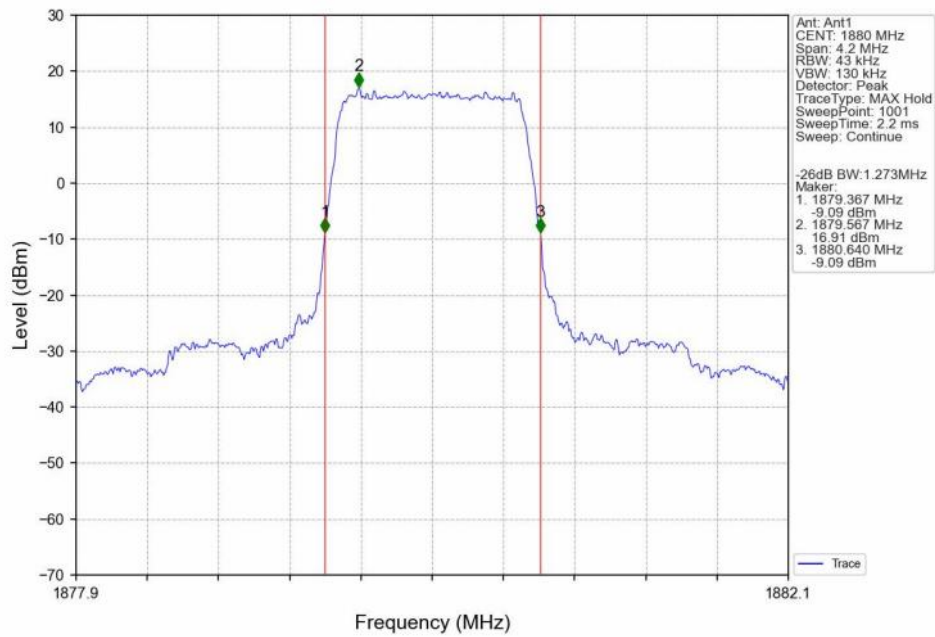
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



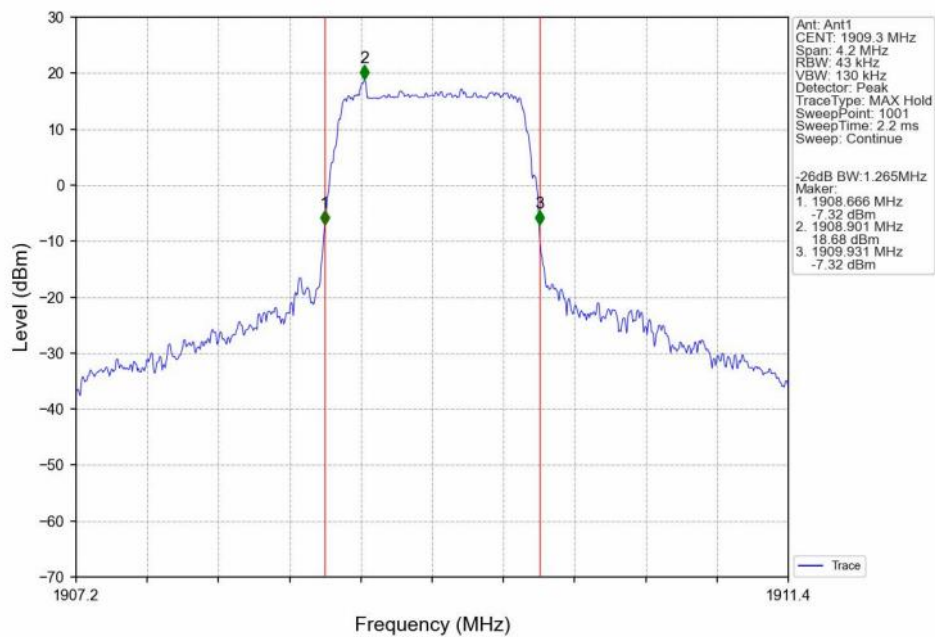
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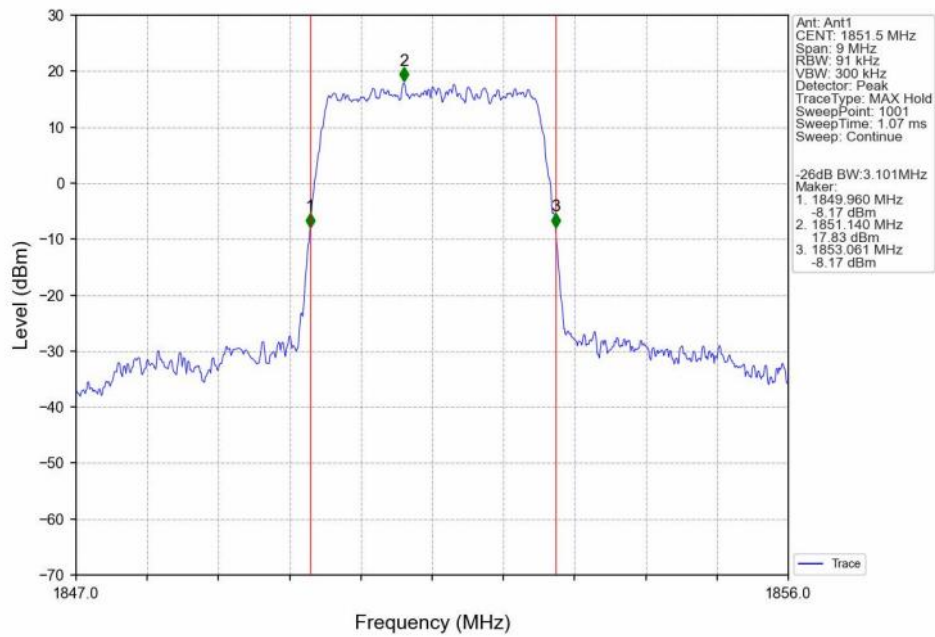
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_6\_0\_NTNV



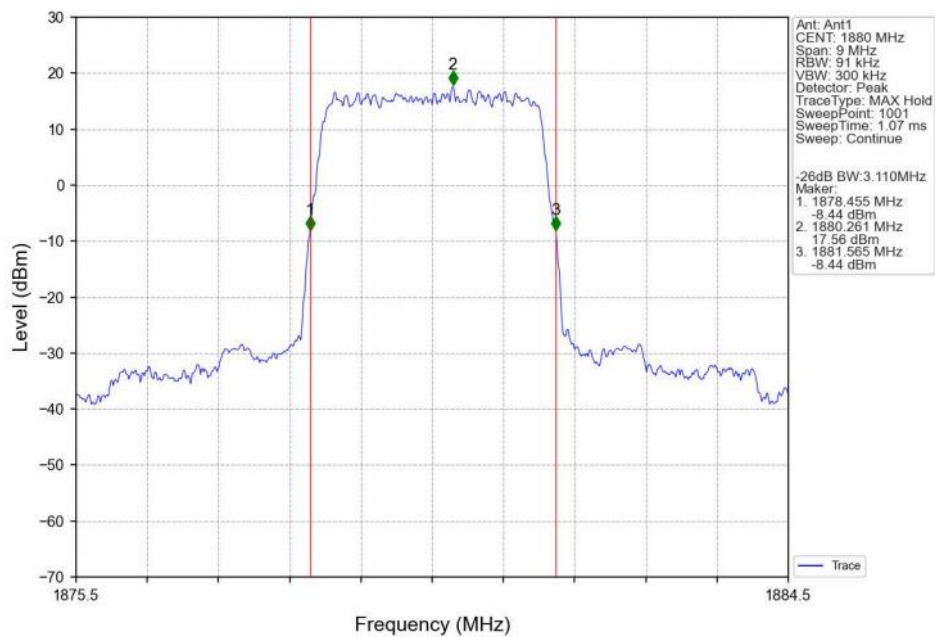
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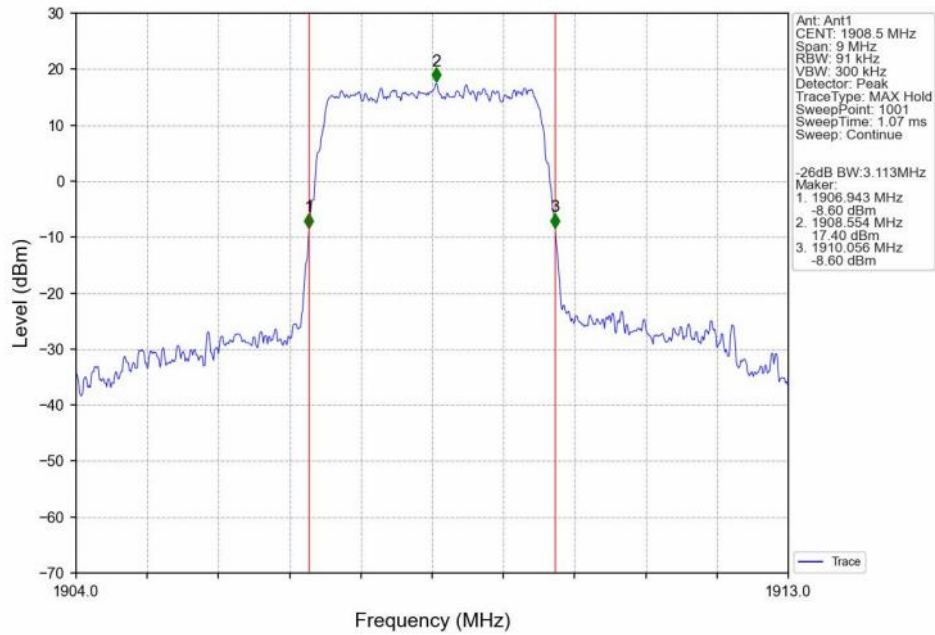
Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



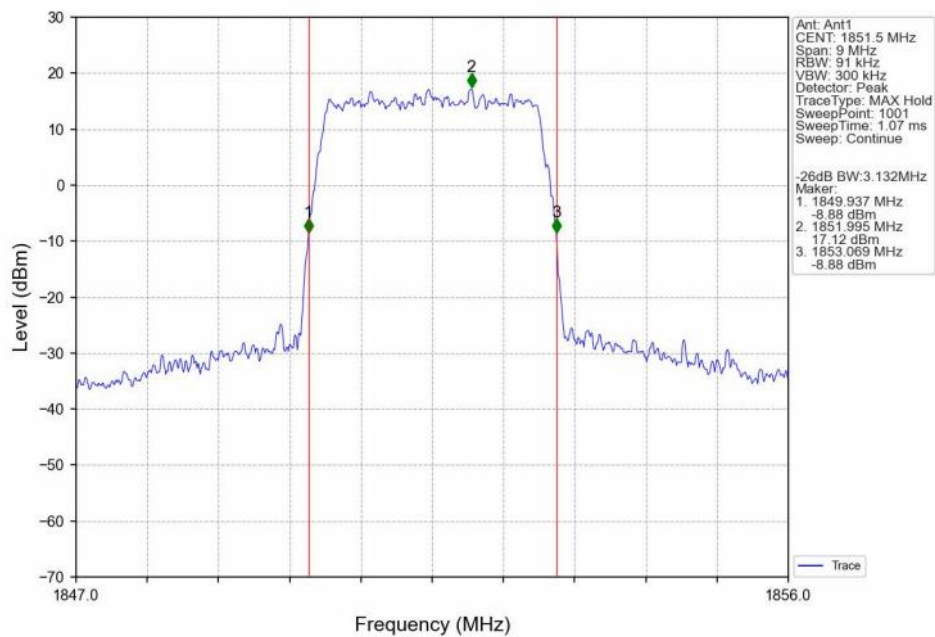
Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_15\_0\_NTNV



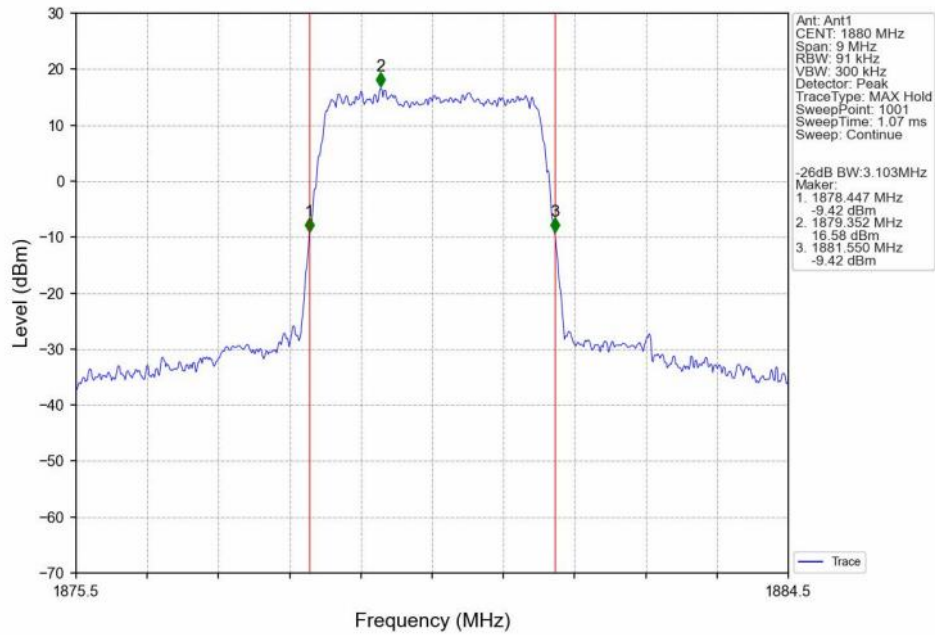
Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



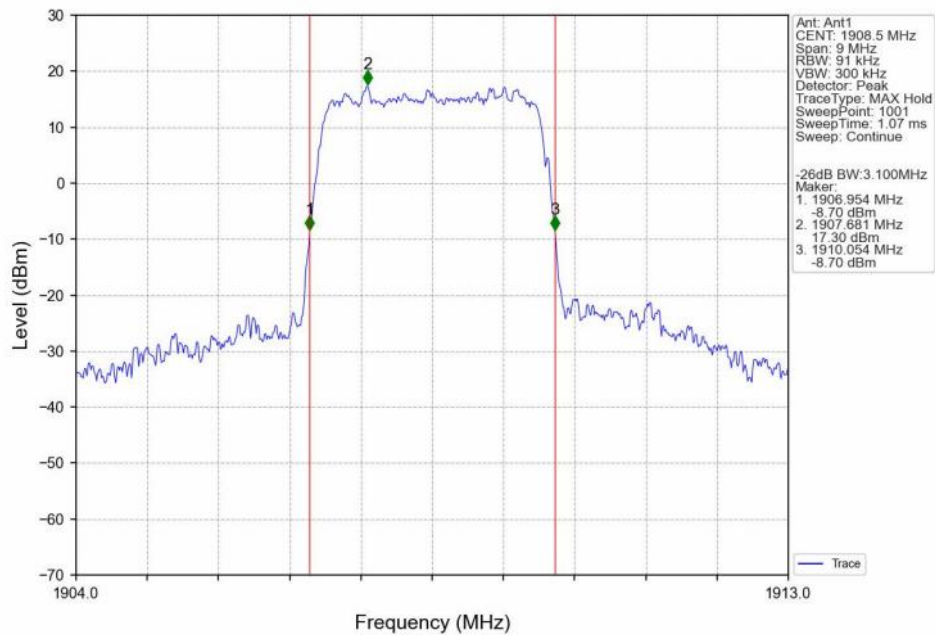
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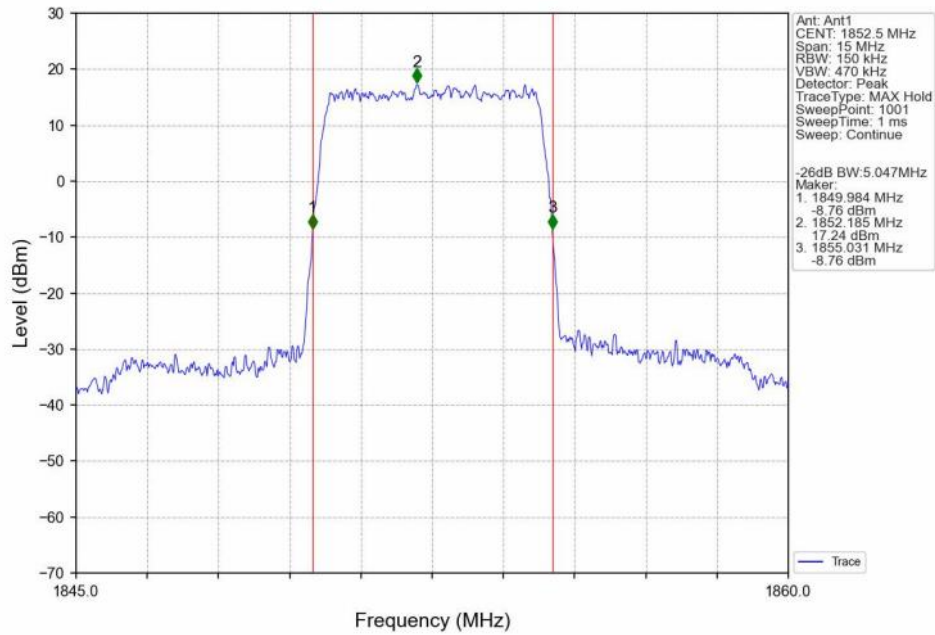
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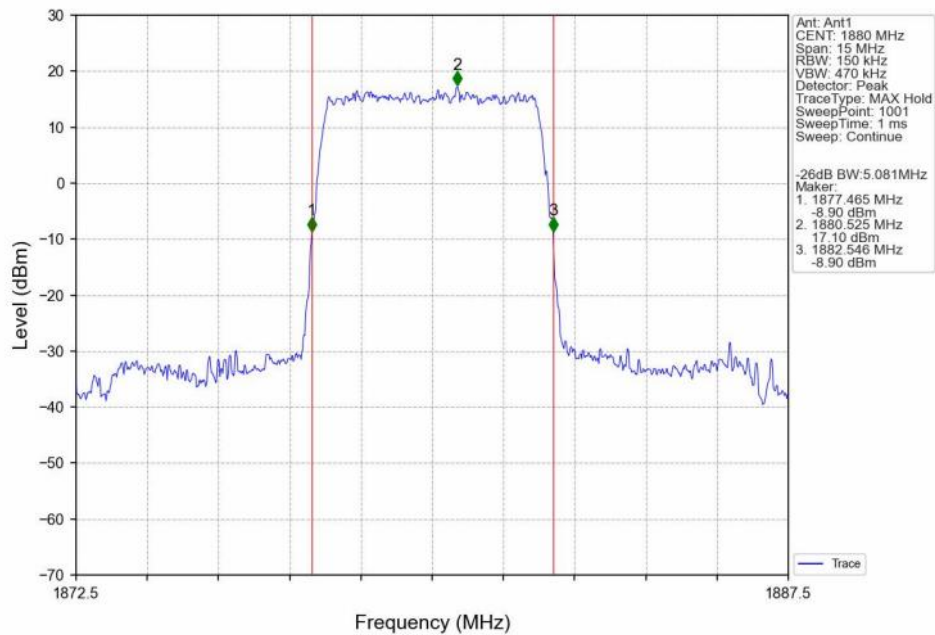
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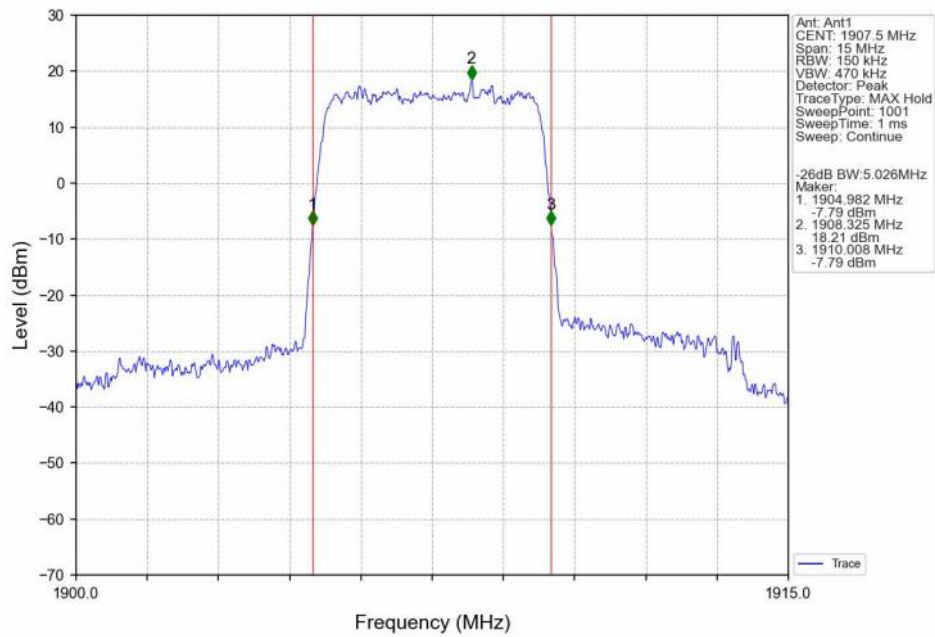
Band2\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



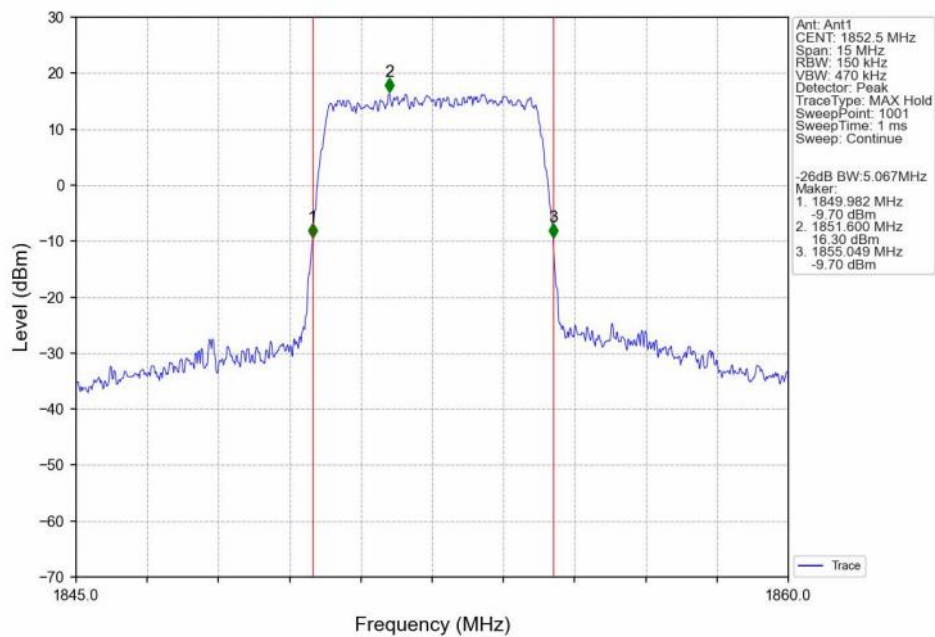
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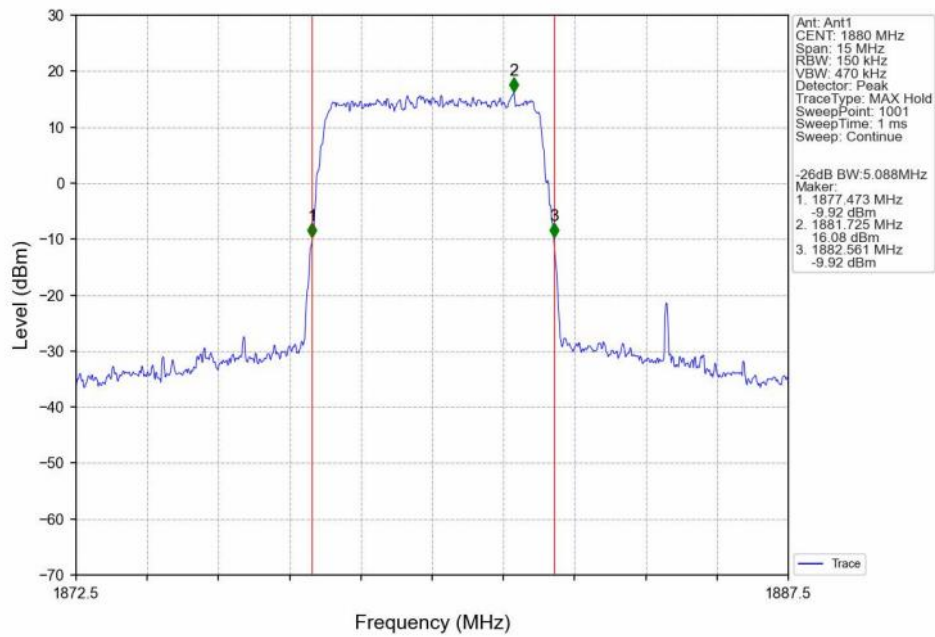
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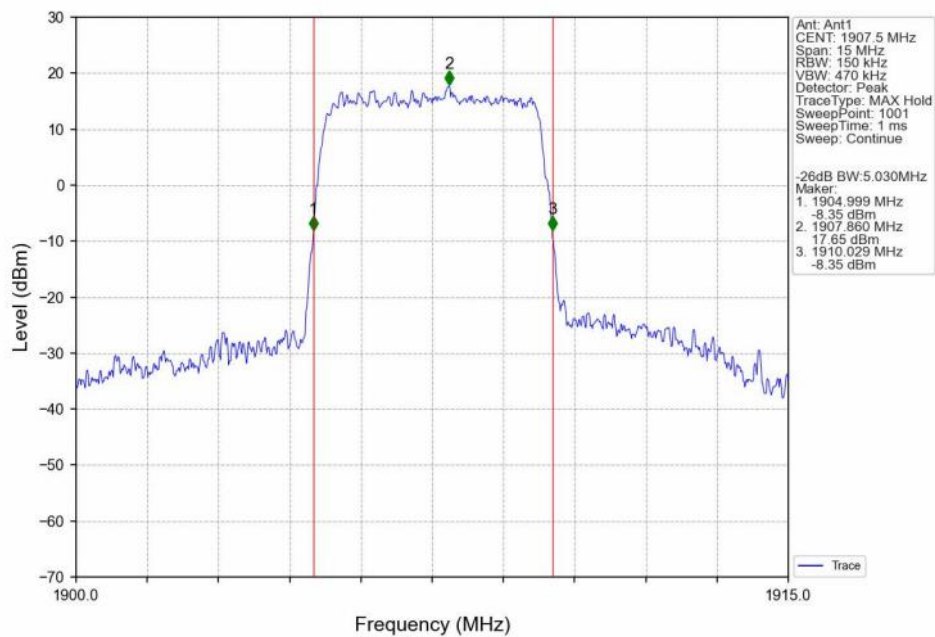
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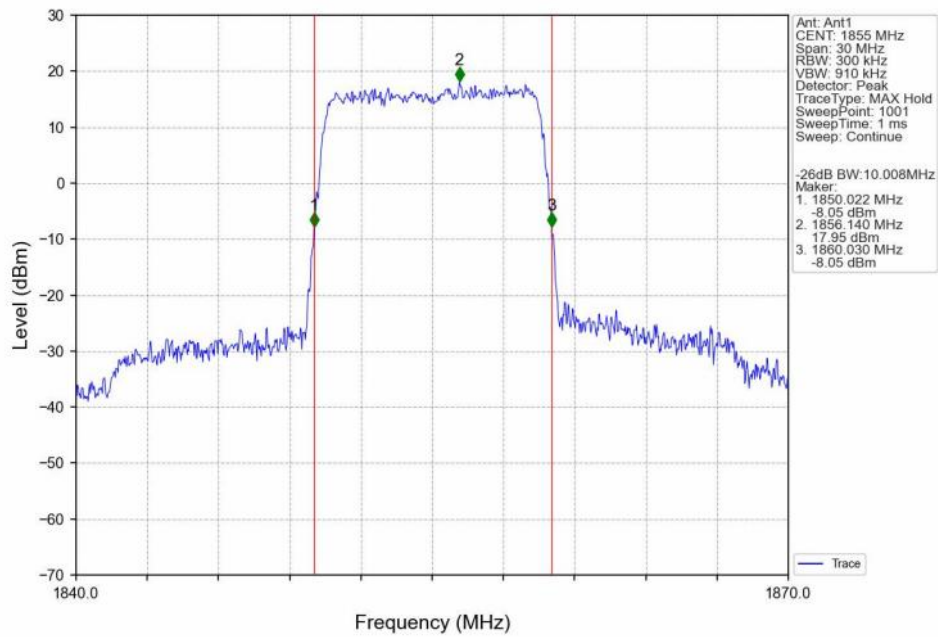
Band2\_5MHz\_16QAM\_MCH\_1880MHz\_RB\_25\_0\_NTNV



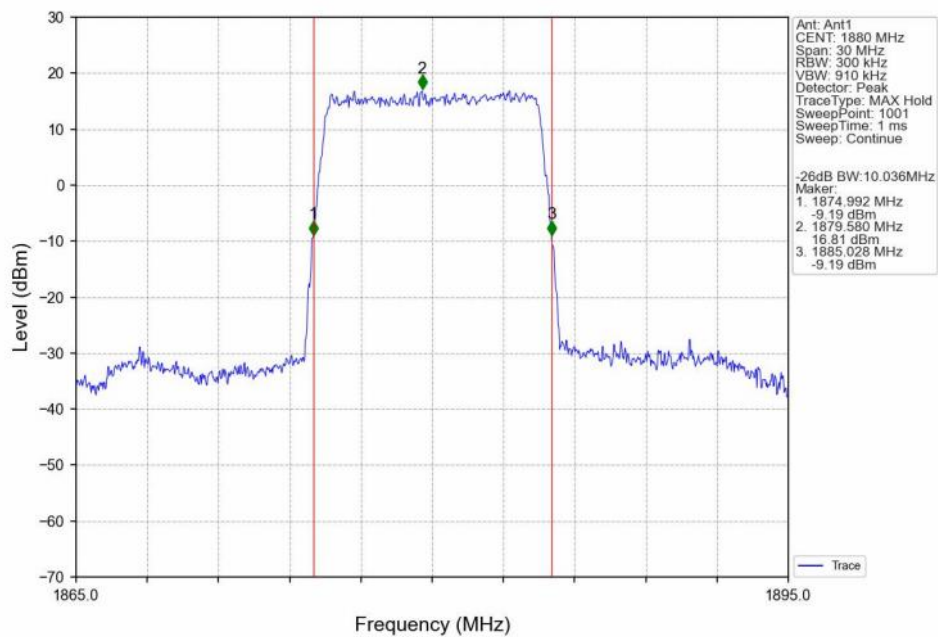
Band2\_5MHz\_16QAM\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



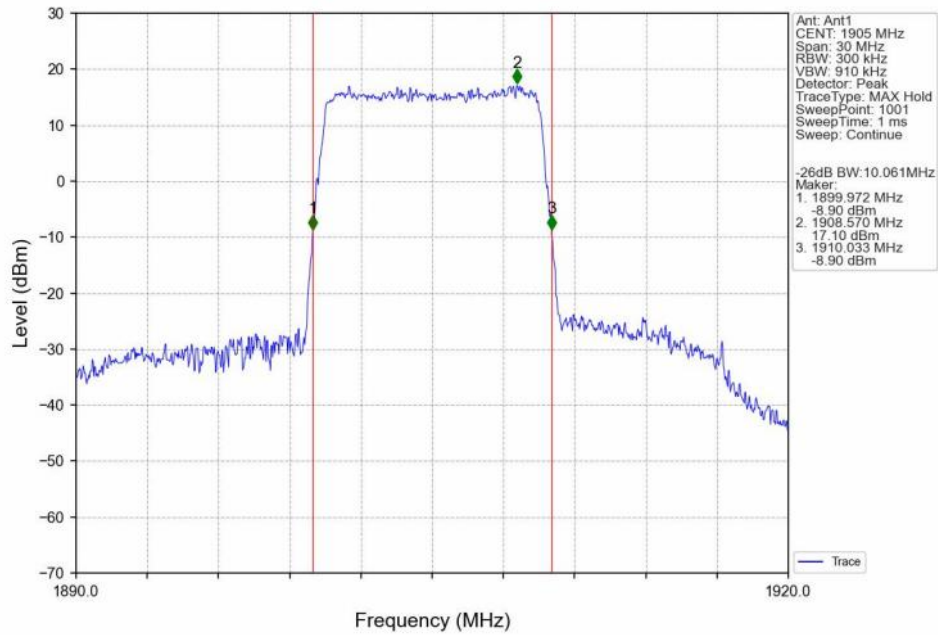
Band2\_10MHz\_QPSK\_LCH\_1855MHz\_RB\_50\_0\_NTNV



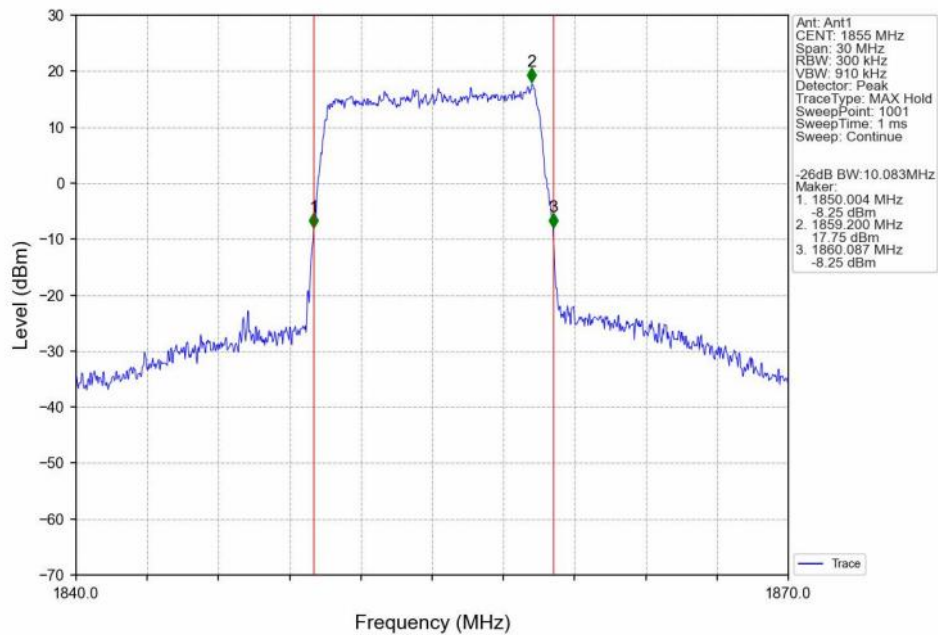
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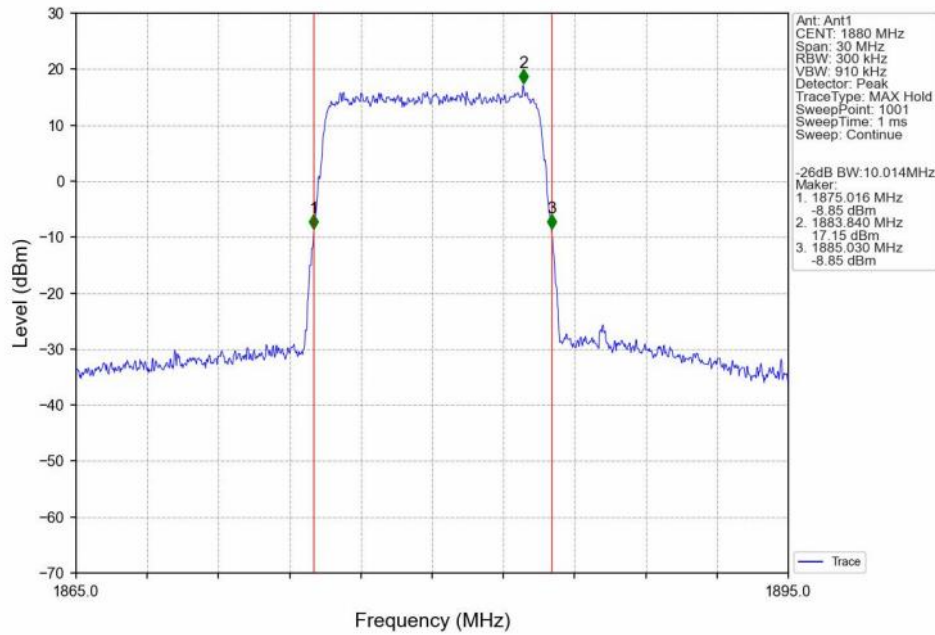
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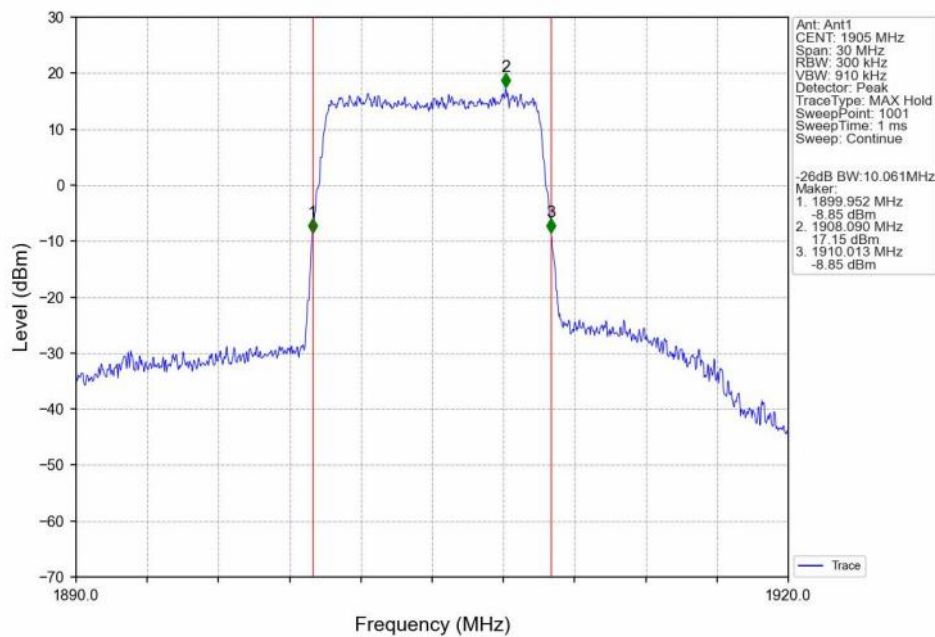
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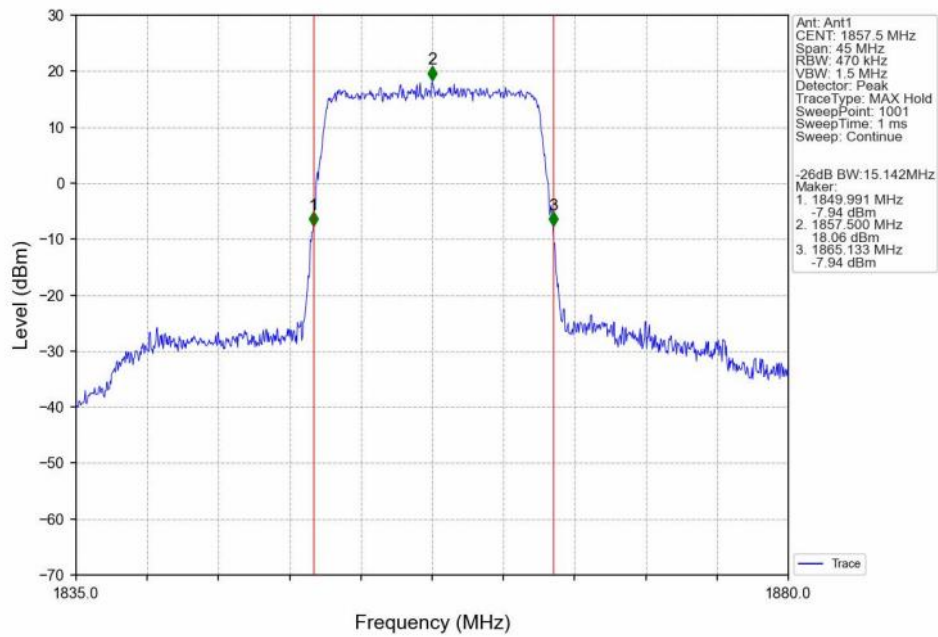
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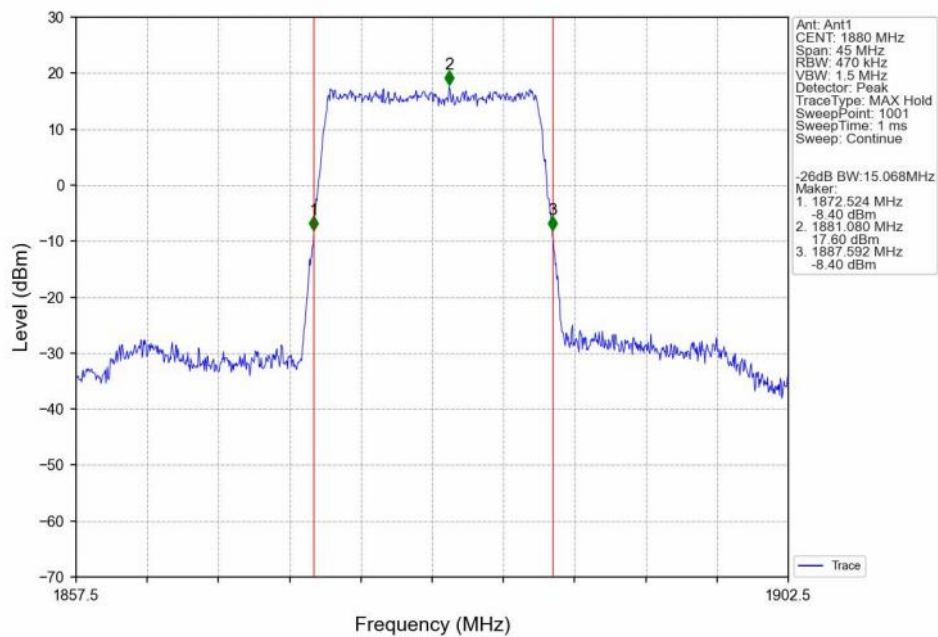
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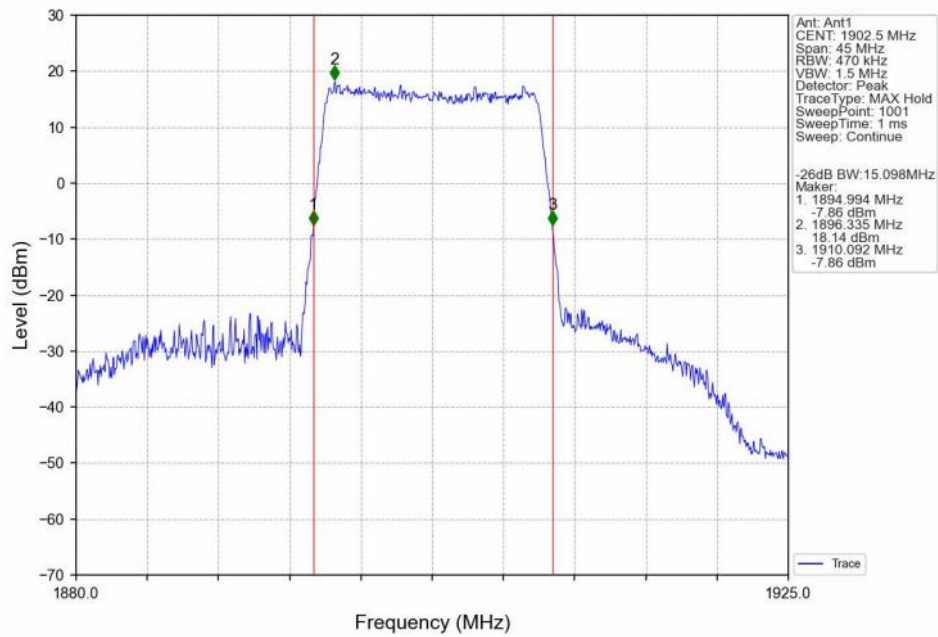
Band2\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



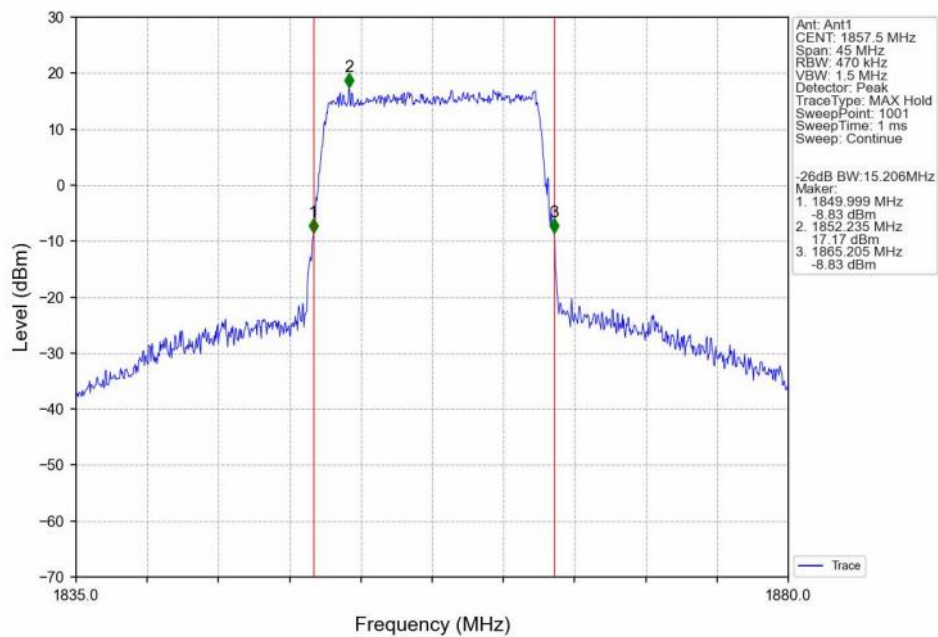
Band2\_15MHz\_QPSK\_MCH\_1880MHz\_RB\_75\_0\_NTNV



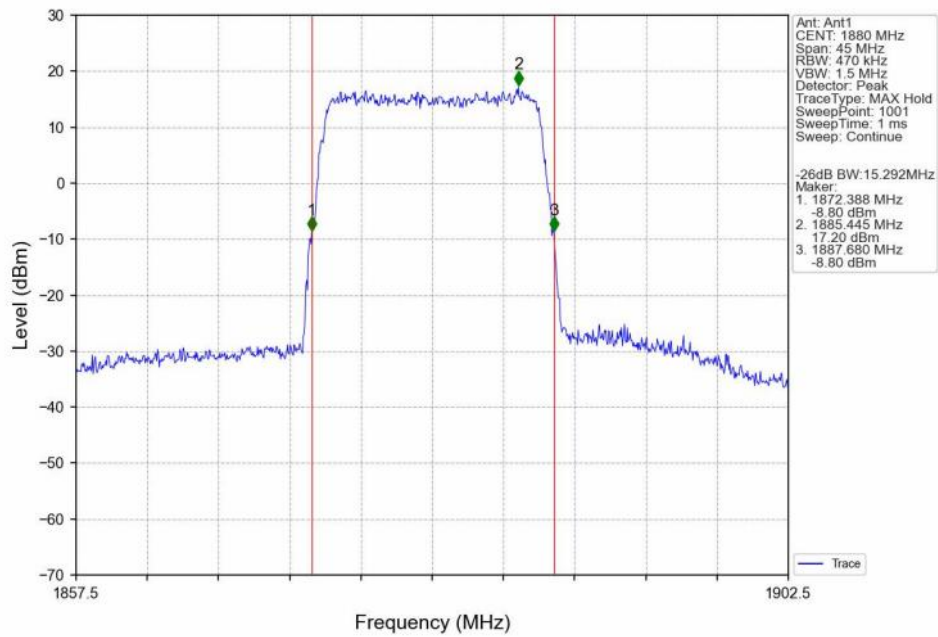
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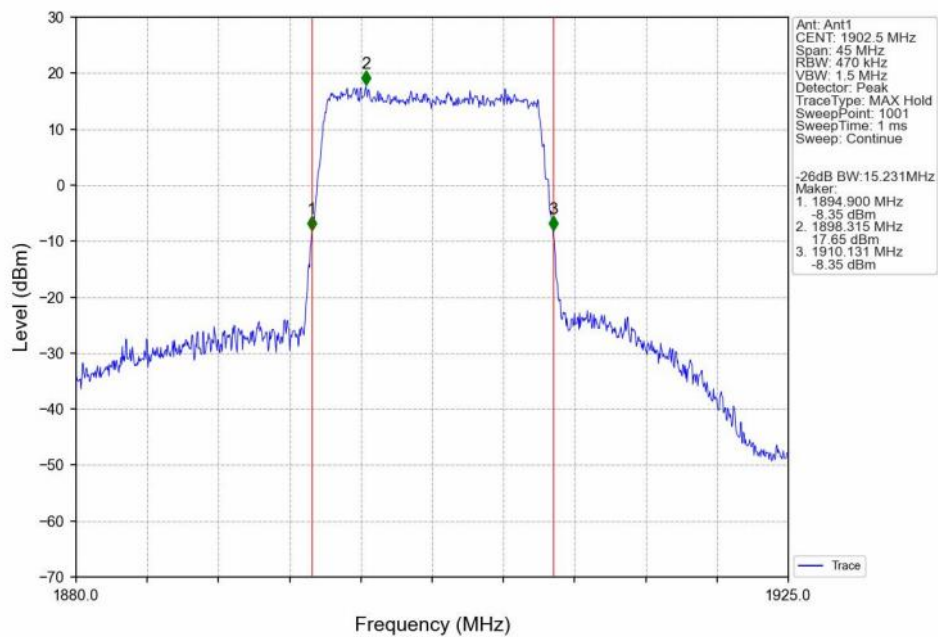
Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



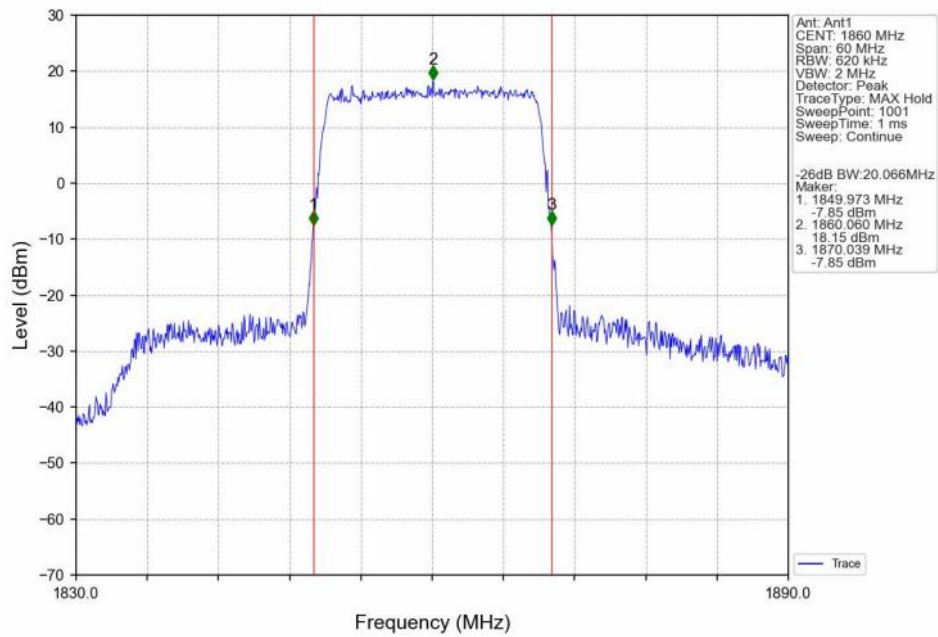
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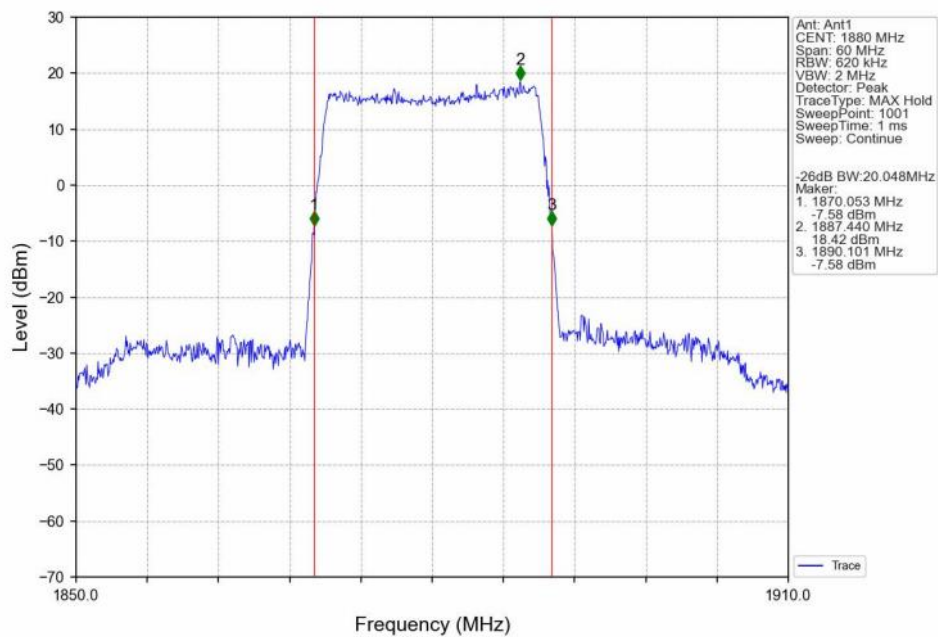
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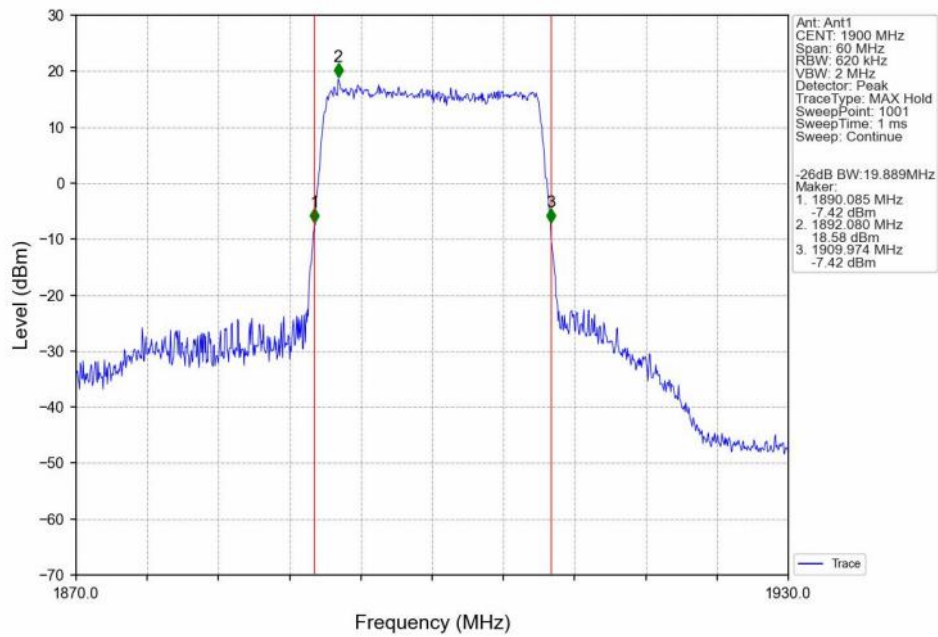
Band2\_20MHz\_QPSK\_LCH\_1860MHz\_RB\_100\_0\_NTNV



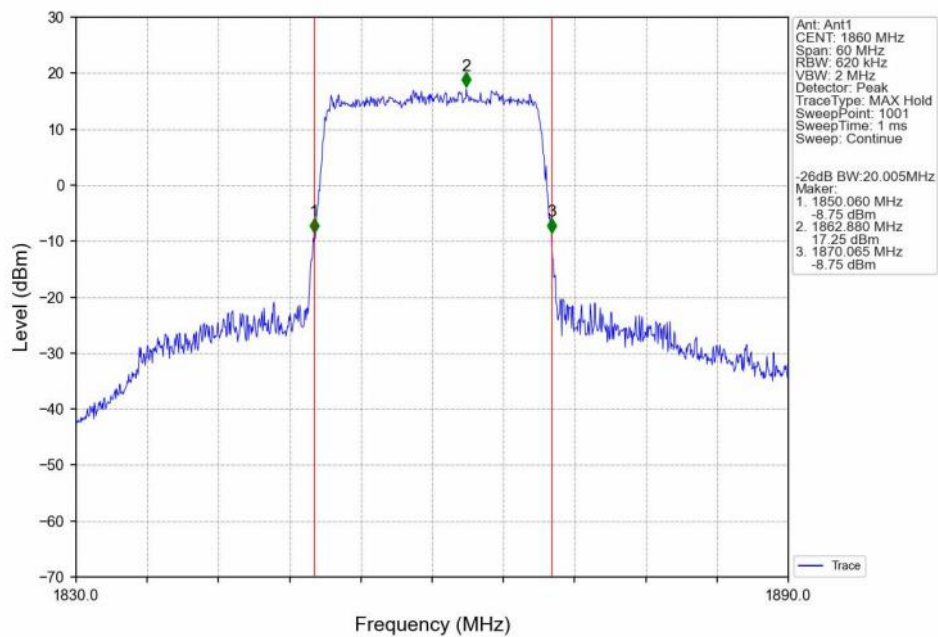
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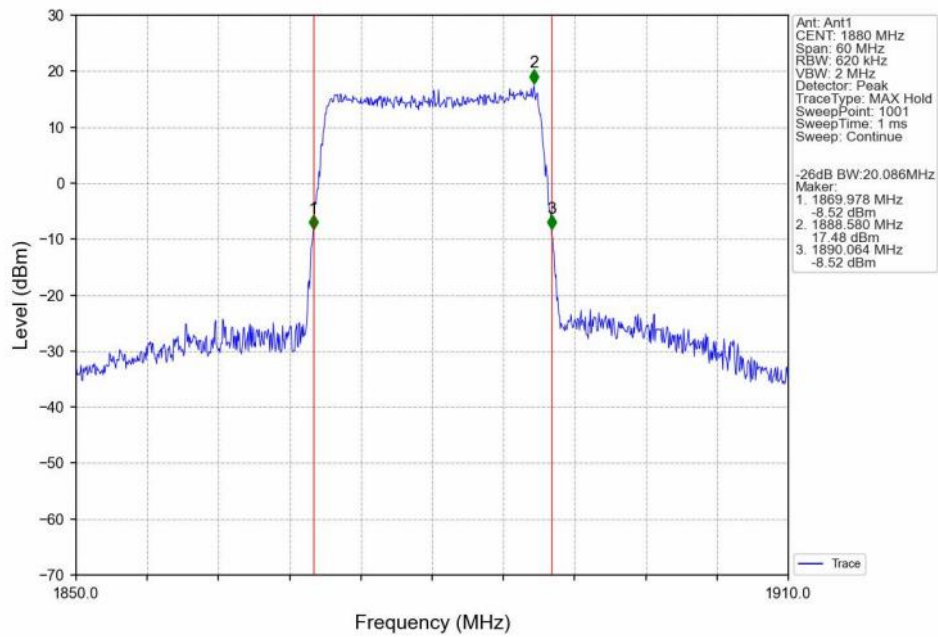
Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



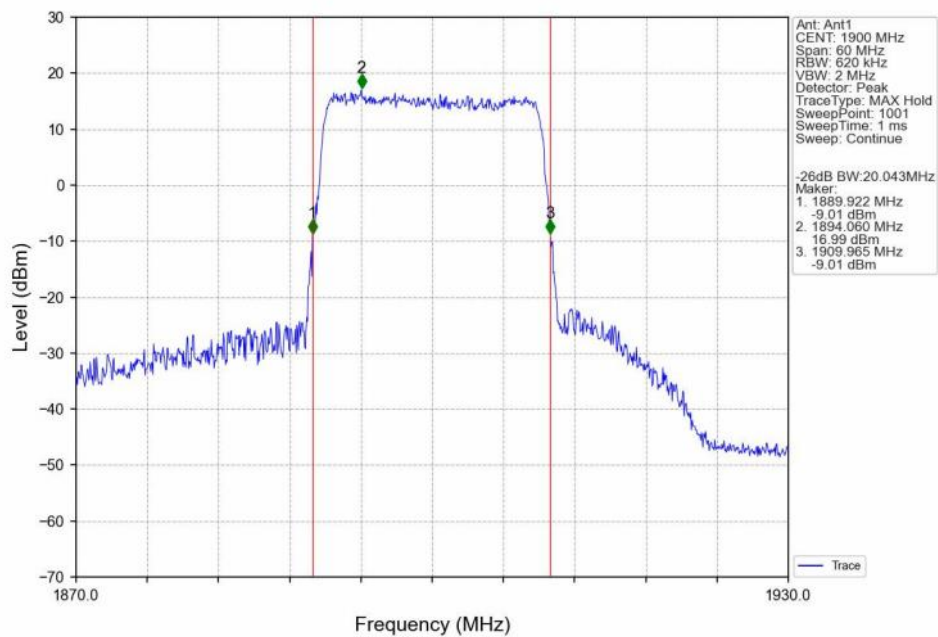
Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV



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



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



## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 B2\_1.4MHz

| Band: 2 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 1850.7          | 6             | 0      | 5.82                    | <=13  | Pass    |
|                                    | 1880            | 6             | 0      | 5.85                    | <=13  | Pass    |
|                                    | 1909.3          | 6             | 0      | 5.62                    | <=13  | Pass    |
| 16QAM                              | 1850.7          | 6             | 0      | 6.49                    | <=13  | Pass    |
|                                    | 1880            | 6             | 0      | 6.58                    | <=13  | Pass    |
|                                    | 1909.3          | 6             | 0      | 6.23                    | <=13  | Pass    |

#### 5.1.2 B2\_3MHz

| Band: 2 / Bandwidth: 3MHz / NTNV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 1851.5          | 15            | 0      | 5.74                    | <=13  | Pass    |
|                                  | 1880            | 15            | 0      | 5.79                    | <=13  | Pass    |
|                                  | 1908.5          | 15            | 0      | 5.71                    | <=13  | Pass    |
| 16QAM                            | 1851.5          | 15            | 0      | 6.49                    | <=13  | Pass    |
|                                  | 1880            | 15            | 0      | 6.61                    | <=13  | Pass    |
|                                  | 1908.5          | 15            | 0      | 6.43                    | <=13  | Pass    |

#### 5.1.3 B2\_5MHz

| Band: 2 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 1852.5          | 25            | 0      | 5.72                    | <=13  | Pass    |
|                                  | 1880            | 25            | 0      | 5.83                    | <=13  | Pass    |
|                                  | 1907.5          | 25            | 0      | 5.75                    | <=13  | Pass    |
| 16QAM                            | 1852.5          | 25            | 0      | 6.44                    | <=13  | Pass    |
|                                  | 1880            | 25            | 0      | 6.53                    | <=13  | Pass    |
|                                  | 1907.5          | 25            | 0      | 6.40                    | <=13  | Pass    |

#### 5.1.4 B2\_10MHz

| Band: 2 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 1855            | 50            | 0      | 5.66                    | <=13  | Pass    |
|                                   | 1880            | 50            | 0      | 5.86                    | <=13  | Pass    |
|                                   | 1905            | 50            | 0      | 5.80                    | <=13  | Pass    |
| 16QAM                             | 1855            | 50            | 0      | 6.33                    | <=13  | Pass    |
|                                   | 1880            | 50            | 0      | 6.59                    | <=13  | Pass    |
|                                   | 1905            | 50            | 0      | 6.50                    | <=13  | Pass    |

## 5.1.5 B2\_15MHz

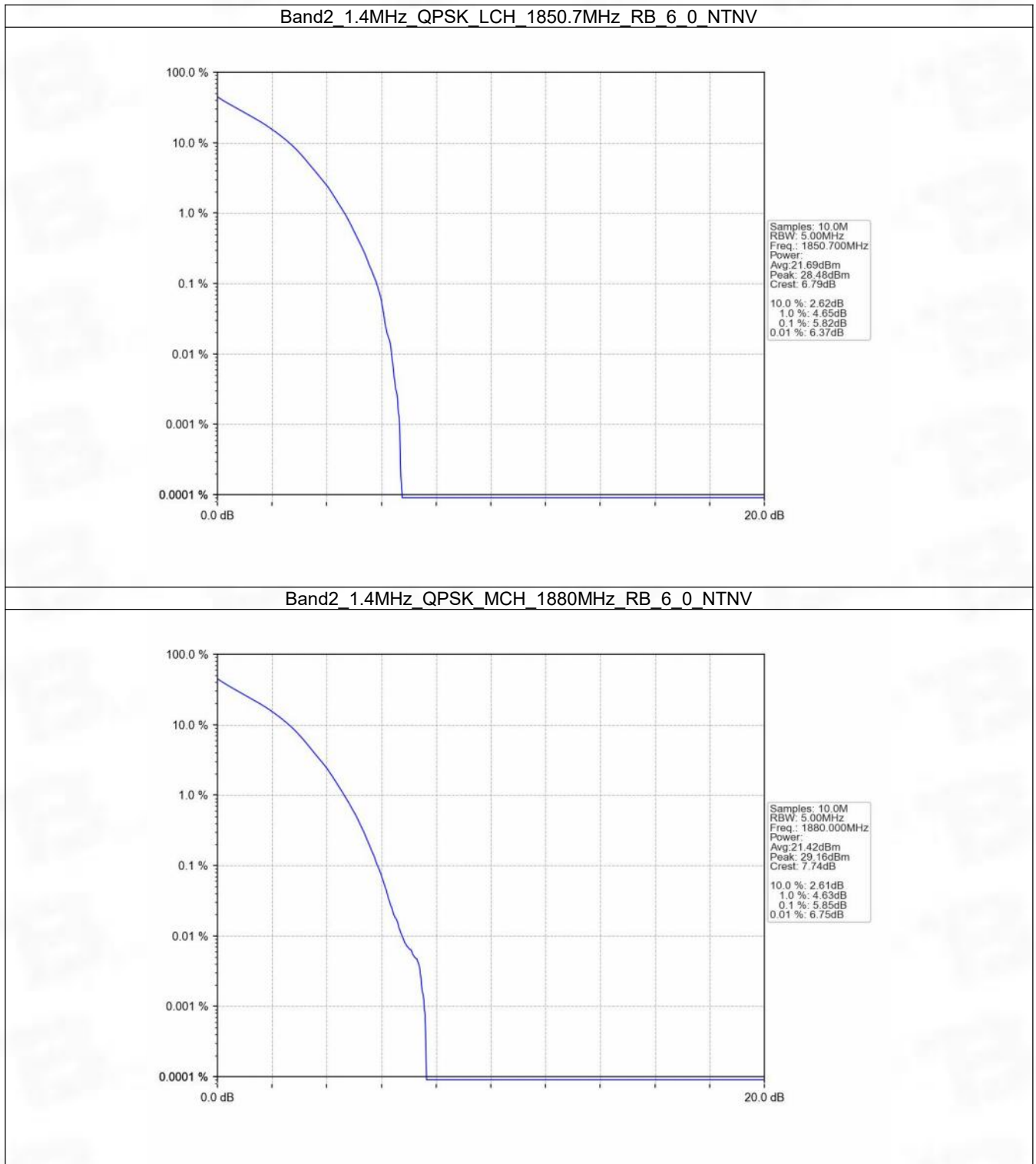
| Band: 2 / Bandwidth: 15MHz / NTN |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 1857.5          | 75            | 0      | 5.78                    | <=13  | Pass    |
|                                  | 1880            | 75            | 0      | 6.14                    | <=13  | Pass    |
|                                  | 1902.5          | 75            | 0      | 6.07                    | <=13  | Pass    |
| 16QAM                            | 1857.5          | 75            | 0      | 6.16                    | <=13  | Pass    |
|                                  | 1880            | 75            | 0      | 6.60                    | <=13  | Pass    |
|                                  | 1902.5          | 75            | 0      | 6.46                    | <=13  | Pass    |

## 5.1.6 B2\_20MHz

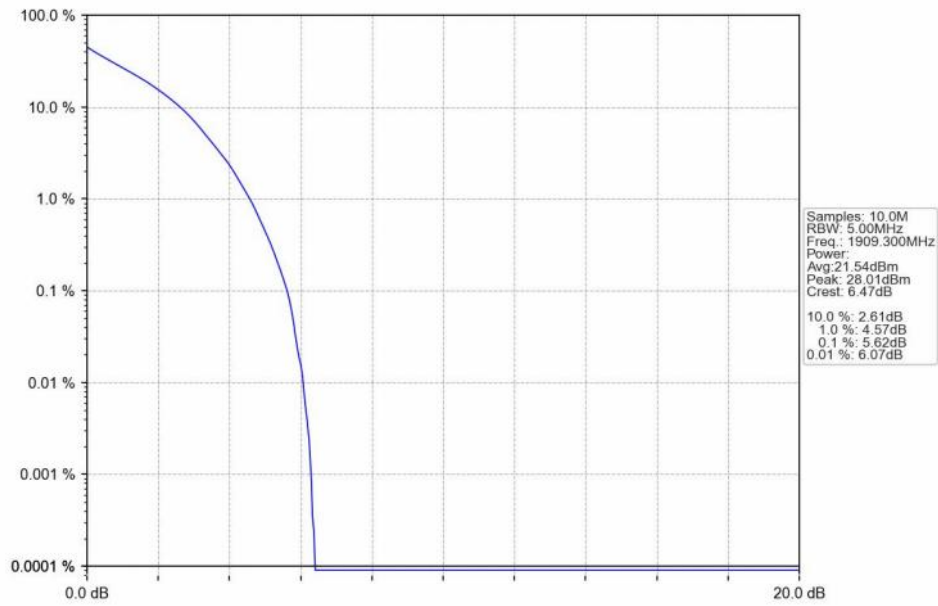
| Band: 2 / Bandwidth: 20MHz / NTN |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 1860            | 100           | 0      | 5.54                    | <=13  | Pass    |
|                                  | 1880            | 100           | 0      | 5.93                    | <=13  | Pass    |
|                                  | 1900            | 100           | 0      | 5.76                    | <=13  | Pass    |
| 16QAM                            | 1860            | 100           | 0      | 6.20                    | <=13  | Pass    |
|                                  | 1880            | 100           | 0      | 6.59                    | <=13  | Pass    |
|                                  | 1900            | 100           | 0      | 6.47                    | <=13  | Pass    |

## 5.2 Test Graph

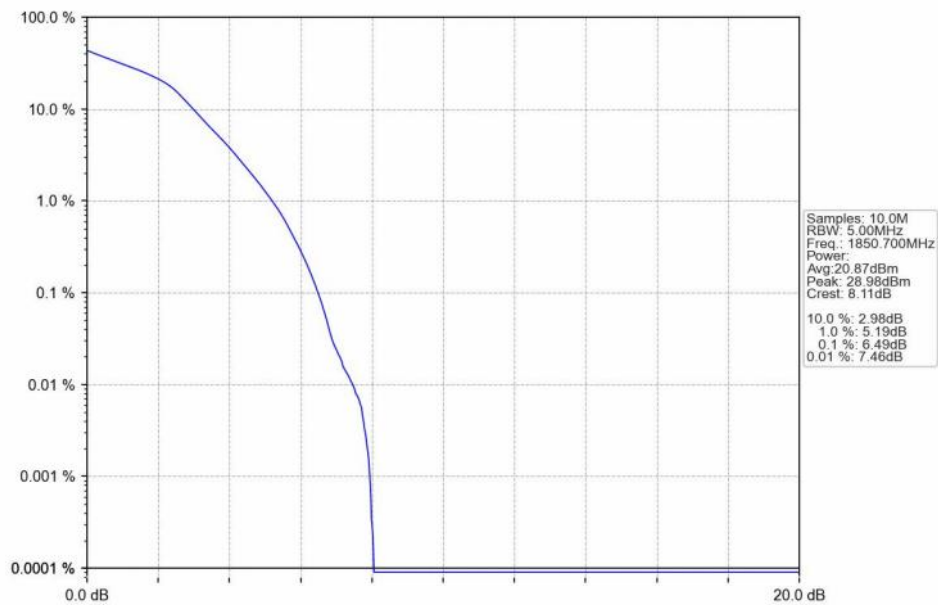
### 5.2.1 B2\_1.4MHz



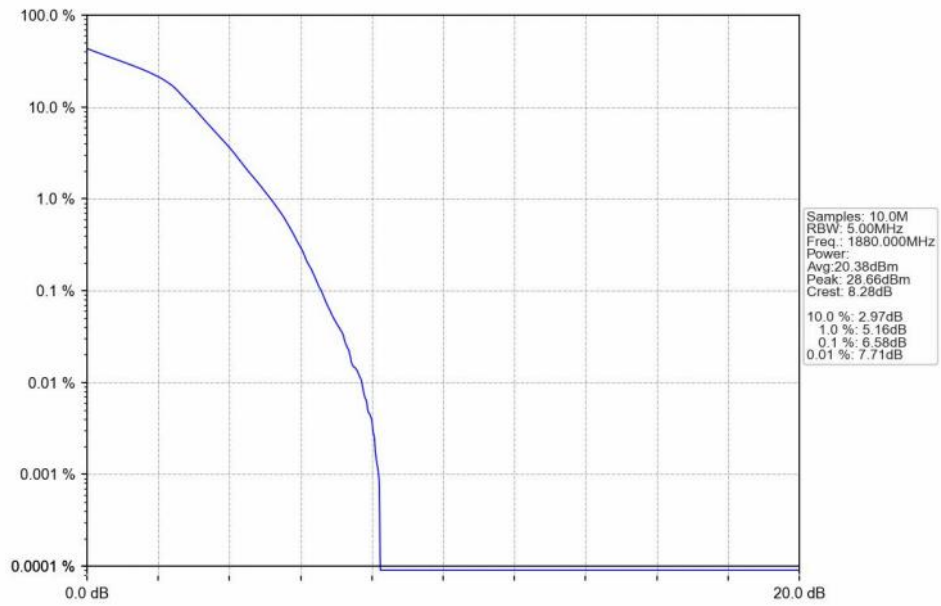
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



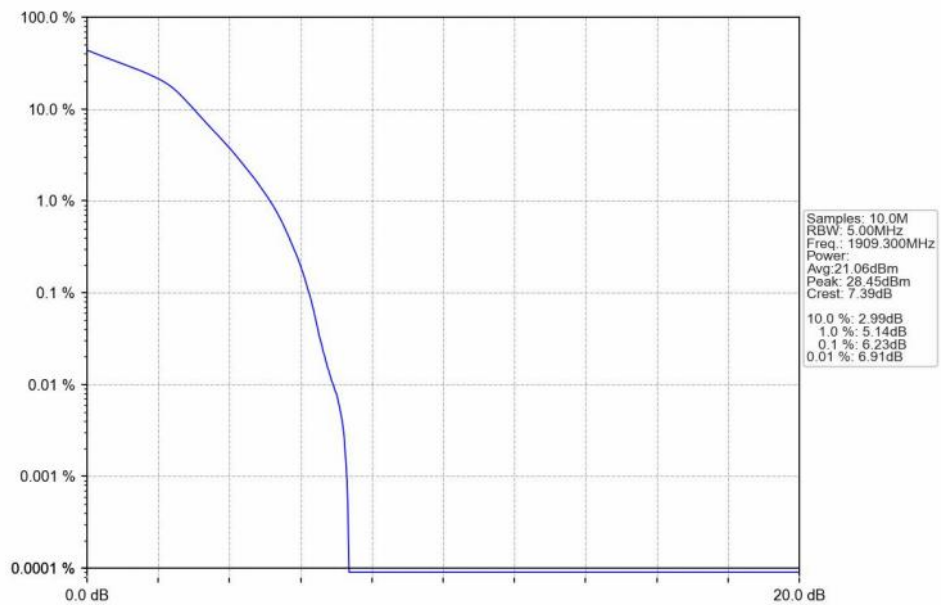
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



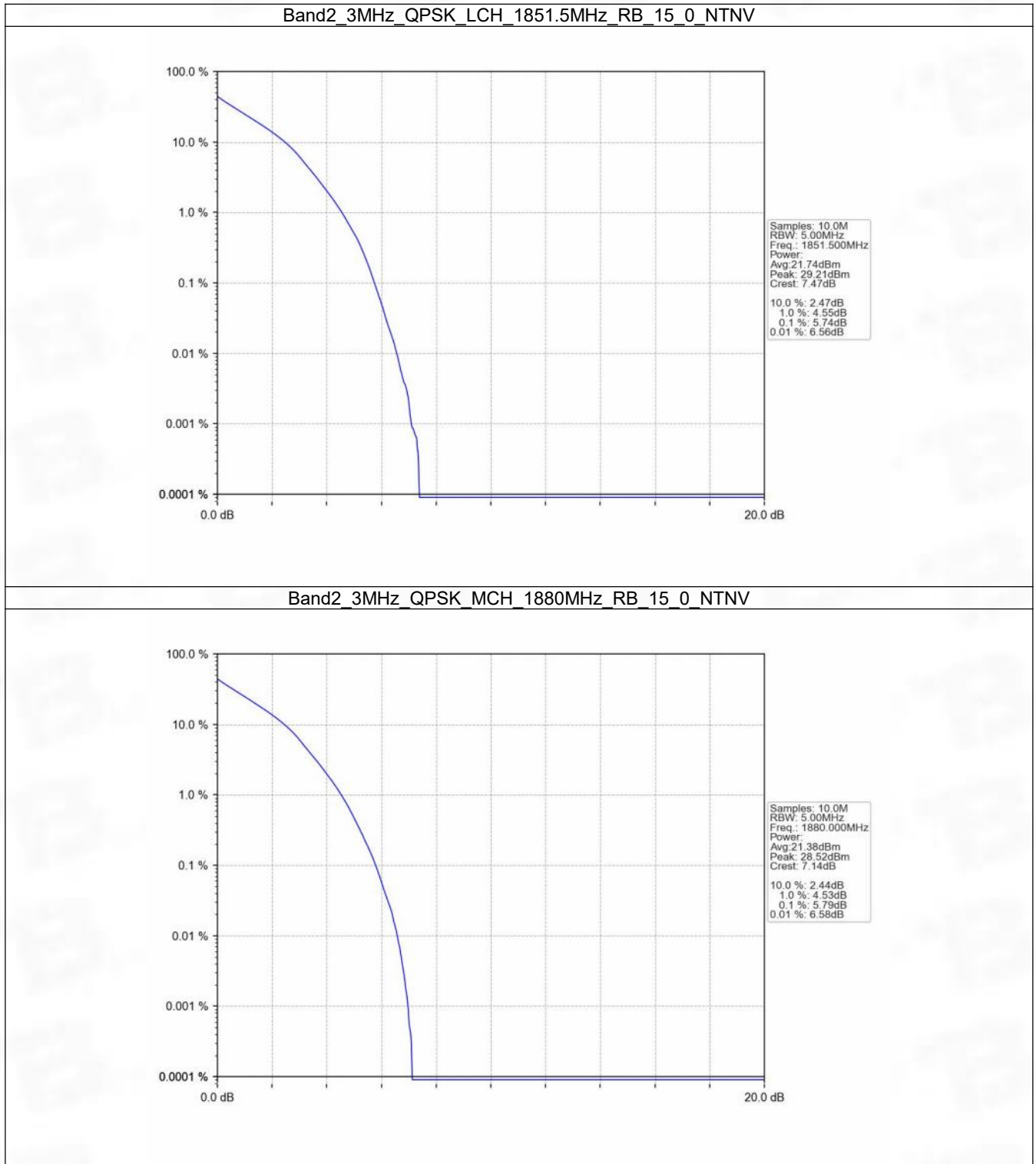
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_6\_0\_NTNV



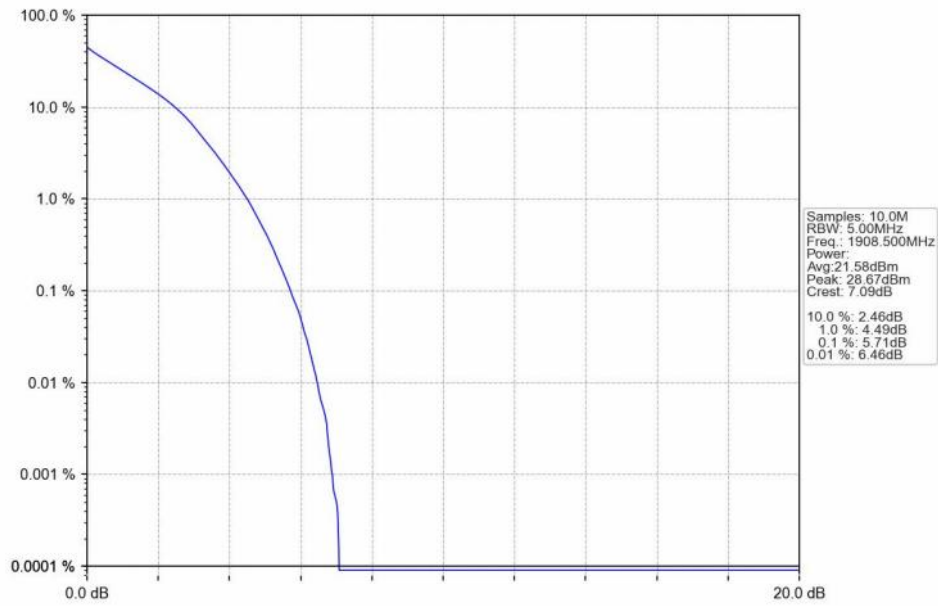
Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



## 5.2.2 B2\_3MHz



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



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

