

## Appendix - LTE 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      | 21.46                 | 1.55       | 23.01      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 21.59                 | 1.55       | 23.14      | <=33.01 | Pass    |      |
|                                          |                 |               | 5      | 21.59                 | 1.55       | 23.14      | <=33.01 | Pass    |      |
|                                          |                 | 3             | 0      | 21.50                 | 1.55       | 23.05      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 21.46                 | 1.55       | 23.01      | <=33.01 | Pass    |      |
|                                          |                 |               | 3      | 21.49                 | 1.55       | 23.04      | <=33.01 | Pass    |      |
|                                          |                 | 6             | 0      | 20.42                 | 1.55       | 21.97      | <=33.01 | Pass    |      |
|                                          |                 | 1880          | 1      | 0                     | 21.86      | 1.55       | 23.41   | <=33.01 | Pass |
|                                          |                 |               |        | 2                     | 21.99      | 1.55       | 23.54   | <=33.01 | Pass |
|                                          | 5               |               |        | 21.93                 | 1.55       | 23.48      | <=33.01 | Pass    |      |
|                                          | 3               |               | 0      | 21.90                 | 1.55       | 23.45      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 21.85                 | 1.55       | 23.40      | <=33.01 | Pass    |      |
|                                          |                 |               | 3      | 21.89                 | 1.55       | 23.44      | <=33.01 | Pass    |      |
|                                          | 1909.3          | 6             | 0      | 20.86                 | 1.55       | 22.41      | <=33.01 | Pass    |      |
|                                          |                 | 1             | 0      | 22.43                 | 1.55       | 23.98      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 22.41                 | 1.55       | 23.96      | <=33.01 | Pass    |      |
|                                          |                 |               | 5      | 22.40                 | 1.55       | 23.95      | <=33.01 | Pass    |      |
|                                          |                 | 3             | 0      | 22.38                 | 1.55       | 23.93      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 22.37                 | 1.55       | 23.92      | <=33.01 | Pass    |      |
|                                          |                 |               | 3      | 22.42                 | 1.55       | 23.97      | <=33.01 | Pass    |      |
|                                          |                 | 6             | 0      | 21.34                 | 1.55       | 22.89      | <=33.01 | Pass    |      |
| 16QAM                                    |                 | 1850.7        | 1      | 0                     | 21.28      | 1.55       | 22.83   | <=33.01 | Pass |
|                                          | 2               |               |        | 21.22                 | 1.55       | 22.77      | <=33.01 | Pass    |      |
|                                          | 5               |               |        | 21.22                 | 1.55       | 22.77      | <=33.01 | Pass    |      |
|                                          | 3               |               | 0      | 20.70                 | 1.55       | 22.25      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 20.69                 | 1.55       | 22.24      | <=33.01 | Pass    |      |
|                                          |                 |               | 3      | 20.71                 | 1.55       | 22.26      | <=33.01 | Pass    |      |
|                                          | 6               |               | 0      | 19.72                 | 1.55       | 21.27      | <=33.01 | Pass    |      |
|                                          | 1880            |               | 1      | 0                     | 21.46      | 1.55       | 23.01   | <=33.01 | Pass |
|                                          |                 |               |        | 2                     | 21.41      | 1.55       | 22.96   | <=33.01 | Pass |
|                                          |                 | 5             |        | 21.49                 | 1.55       | 23.04      | <=33.01 | Pass    |      |
|                                          |                 | 3             | 0      | 20.95                 | 1.55       | 22.50      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 20.94                 | 1.55       | 22.49      | <=33.01 | Pass    |      |
|                                          |                 |               | 3      | 20.99                 | 1.55       | 22.54      | <=33.01 | Pass    |      |
|                                          | 6               | 0             | 19.91  | 1.55                  | 21.46      | <=33.01    | Pass    |         |      |
|                                          | 1909.3          | 1             | 0      | 21.48                 | 1.55       | 23.03      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 21.45                 | 1.55       | 23.00      | <=33.01 | Pass    |      |
|                                          |                 |               | 5      | 21.46                 | 1.55       | 23.01      | <=33.01 | Pass    |      |
|                                          |                 | 3             | 0      | 21.31                 | 1.55       | 22.86      | <=33.01 | Pass    |      |
|                                          |                 |               | 2      | 21.26                 | 1.55       | 22.81      | <=33.01 | Pass    |      |
|                                          |                 |               | 3      | 21.29                 | 1.55       | 22.84      | <=33.01 | Pass    |      |
|                                          |                 | 6             | 0      | 20.53                 | 1.55       | 22.08      | <=33.01 | Pass    |      |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |         |         |      |

### 1.1.2 B2\_3MHz\_EIRP

| Band: 2 / Bandwidth: 3MHz / NTNV |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 1851.5          | 1             | 0      | 21.46                 | 1.55       | 23.01      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 21.51                 | 1.55       | 23.06      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 21.44                 | 1.55       | 22.99      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 20.53                 | 1.55       | 22.08      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 20.43                 | 1.55       | 21.98      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 20.49                 | 1.55       | 22.04      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 20.47                 | 1.55       | 22.02      | <=33.01 | Pass    |
|                                  | 1880            | 1             | 0      | 21.70                 | 1.55       | 23.25      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 21.75                 | 1.55       | 23.30      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 21.76                 | 1.55       | 23.31      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 20.89                 | 1.55       | 22.44      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 20.95                 | 1.55       | 22.50      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 20.94                 | 1.55       | 22.49      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 20.89                 | 1.55       | 22.44      | <=33.01 | Pass    |
|                                  | 1908.5          | 1             | 0      | 22.31                 | 1.55       | 23.86      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 22.33                 | 1.55       | 23.88      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 22.36                 | 1.55       | 23.91      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 21.50                 | 1.55       | 23.05      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 21.47                 | 1.55       | 23.02      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 21.38                 | 1.55       | 22.93      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 21.45                 | 1.55       | 23.00      | <=33.01 | Pass    |
| 16QAM                            | 1851.5          | 1             | 0      | 20.84                 | 1.55       | 22.39      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 20.83                 | 1.55       | 22.38      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 20.77                 | 1.55       | 22.32      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 19.85                 | 1.55       | 21.40      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 19.84                 | 1.55       | 21.39      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 19.81                 | 1.55       | 21.36      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 19.69                 | 1.55       | 21.24      | <=33.01 | Pass    |
|                                  | 1880            | 1             | 0      | 21.93                 | 1.55       | 23.48      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 21.95                 | 1.55       | 23.50      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 22.00                 | 1.55       | 23.55      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 20.05                 | 1.55       | 21.60      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 20.13                 | 1.55       | 21.68      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 20.12                 | 1.55       | 21.67      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 20.03                 | 1.55       | 21.58      | <=33.01 | Pass    |
|                                  | 1908.5          | 1             | 0      | 22.18                 | 1.55       | 23.73      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 22.21                 | 1.55       | 23.76      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 22.23                 | 1.55       | 23.78      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 20.78                 | 1.55       | 22.33      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 20.77                 | 1.55       | 22.32      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 20.81                 | 1.55       | 22.36      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 20.56                 | 1.55       | 22.11      | <=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      | 21.52                 | 1.55       | 23.07      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.23                 | 1.55       | 22.78      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.35                 | 1.55       | 22.90      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.49                 | 1.55       | 22.04      | <=33.01 | Pass    |
|                                  |                 |               |        |                       |            |            |         |         |

|       |        |    |    |       |      |       |         |      |
|-------|--------|----|----|-------|------|-------|---------|------|
| 16QAM | 1880   | 25 | 6  | 20.35 | 1.55 | 21.90 | <=33.01 | Pass |
|       |        |    | 13 | 20.50 | 1.55 | 22.05 | <=33.01 | Pass |
|       |        |    | 0  | 20.38 | 1.55 | 21.93 | <=33.01 | Pass |
|       |        | 1  | 0  | 21.78 | 1.55 | 23.33 | <=33.01 | Pass |
|       |        |    | 13 | 21.90 | 1.55 | 23.45 | <=33.01 | Pass |
|       |        |    | 24 | 22.02 | 1.55 | 23.57 | <=33.01 | Pass |
|       |        | 12 | 0  | 20.92 | 1.55 | 22.47 | <=33.01 | Pass |
|       |        |    | 6  | 20.93 | 1.55 | 22.48 | <=33.01 | Pass |
|       |        |    | 13 | 20.86 | 1.55 | 22.41 | <=33.01 | Pass |
|       |        | 25 | 0  | 20.82 | 1.55 | 22.37 | <=33.01 | Pass |
|       | 1907.5 | 1  | 0  | 22.24 | 1.55 | 23.79 | <=33.01 | Pass |
|       |        |    | 13 | 22.33 | 1.55 | 23.88 | <=33.01 | Pass |
|       |        |    | 24 | 22.24 | 1.55 | 23.79 | <=33.01 | Pass |
|       |        | 12 | 0  | 21.43 | 1.55 | 22.98 | <=33.01 | Pass |
|       |        |    | 6  | 21.33 | 1.55 | 22.88 | <=33.01 | Pass |
|       |        |    | 13 | 21.35 | 1.55 | 22.90 | <=33.01 | Pass |
|       |        | 25 | 0  | 21.44 | 1.55 | 22.99 | <=33.01 | Pass |
|       | 1852.5 | 1  | 0  | 21.18 | 1.55 | 22.73 | <=33.01 | Pass |
|       |        |    | 13 | 21.10 | 1.55 | 22.65 | <=33.01 | Pass |
|       |        |    | 24 | 21.16 | 1.55 | 22.71 | <=33.01 | Pass |
|       |        | 12 | 0  | 19.64 | 1.55 | 21.19 | <=33.01 | Pass |
|       |        |    | 6  | 19.58 | 1.55 | 21.13 | <=33.01 | Pass |
|       |        |    | 13 | 19.59 | 1.55 | 21.14 | <=33.01 | Pass |
|       |        | 25 | 0  | 19.67 | 1.55 | 21.22 | <=33.01 | Pass |
|       | 1880   | 1  | 0  | 21.49 | 1.55 | 23.04 | <=33.01 | Pass |
|       |        |    | 13 | 21.60 | 1.55 | 23.15 | <=33.01 | Pass |
|       |        |    | 24 | 21.63 | 1.55 | 23.18 | <=33.01 | Pass |
|       |        | 12 | 0  | 19.97 | 1.55 | 21.52 | <=33.01 | Pass |
|       |        |    | 6  | 20.02 | 1.55 | 21.57 | <=33.01 | Pass |
|       |        |    | 13 | 20.09 | 1.55 | 21.64 | <=33.01 | Pass |
|       |        | 25 | 0  | 20.00 | 1.55 | 21.55 | <=33.01 | Pass |
|       | 1907.5 | 1  | 0  | 21.13 | 1.55 | 22.68 | <=33.01 | Pass |
|       |        |    | 13 | 21.20 | 1.55 | 22.75 | <=33.01 | Pass |
|       |        |    | 24 | 21.15 | 1.55 | 22.70 | <=33.01 | Pass |
|       |        | 12 | 0  | 20.46 | 1.55 | 22.01 | <=33.01 | Pass |
|       |        |    | 6  | 20.53 | 1.55 | 22.08 | <=33.01 | Pass |
|       |        |    | 13 | 20.54 | 1.55 | 22.09 | <=33.01 | Pass |
|       |        | 25 | 0  | 20.66 | 1.55 | 22.21 | <=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      | 21.44                 | 1.55       | 22.99      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.37                 | 1.55       | 22.92      | <=33.01 | Pass    |
|                                   |                 |               | 49     | 21.53                 | 1.55       | 23.08      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 20.44                 | 1.55       | 21.99      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 20.38                 | 1.55       | 21.93      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.42                 | 1.55       | 21.97      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 20.48                 | 1.55       | 22.03      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 21.65                 | 1.55       | 23.20      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.73                 | 1.55       | 23.28      | <=33.01 | Pass    |
|                                   |                 |               | 49     | 21.96                 | 1.55       | 23.51      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 20.78                 | 1.55       | 22.33      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 20.90                 | 1.55       | 22.45      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.87                 | 1.55       | 22.42      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 20.88                 | 1.55       | 22.43      | <=33.01 | Pass    |
|                                   | 1905            | 1             | 0      | 22.27                 | 1.55       | 23.82      | <=33.01 | Pass    |

|      |    |      |       |       |       |         |         |         |      |
|------|----|------|-------|-------|-------|---------|---------|---------|------|
|      |    | 25   | 25    | 22.28 | 1.55  | 23.83   | <=33.01 | Pass    |      |
|      |    |      | 49    | 22.38 | 1.55  | 23.93   | <=33.01 | Pass    |      |
|      |    |      | 0     | 21.43 | 1.55  | 22.98   | <=33.01 | Pass    |      |
|      |    |      | 13    | 21.37 | 1.55  | 22.92   | <=33.01 | Pass    |      |
|      |    |      | 25    | 21.36 | 1.55  | 22.91   | <=33.01 | Pass    |      |
|      |    | 50   | 0     | 21.39 | 1.55  | 22.94   | <=33.01 | Pass    |      |
|      |    | 1855 | 1     | 0     | 20.48 | 1.55    | 22.03   | <=33.01 | Pass |
|      |    |      |       | 25    | 20.47 | 1.55    | 22.02   | <=33.01 | Pass |
|      |    |      |       | 49    | 20.48 | 1.55    | 22.03   | <=33.01 | Pass |
| 25   | 0  |      | 19.66 | 1.55  | 21.21 | <=33.01 | Pass    |         |      |
|      | 13 |      | 19.67 | 1.55  | 21.22 | <=33.01 | Pass    |         |      |
|      | 25 |      | 19.70 | 1.55  | 21.25 | <=33.01 | Pass    |         |      |
| 50   | 0  |      | 19.58 | 1.55  | 21.13 | <=33.01 | Pass    |         |      |
| 1880 | 1  |      | 0     | 22.13 | 1.55  | 23.68   | <=33.01 | Pass    |      |
|      |    |      | 25    | 22.14 | 1.55  | 23.69   | <=33.01 | Pass    |      |
|      |    |      | 49    | 22.35 | 1.55  | 23.90   | <=33.01 | Pass    |      |
|      | 25 | 0    | 19.93 | 1.55  | 21.48 | <=33.01 | Pass    |         |      |
|      |    | 13   | 20.00 | 1.55  | 21.55 | <=33.01 | Pass    |         |      |
|      |    | 25   | 20.17 | 1.55  | 21.72 | <=33.01 | Pass    |         |      |
|      | 50 | 0    | 20.03 | 1.55  | 21.58 | <=33.01 | Pass    |         |      |
| 1905 | 1  | 0    | 22.33 | 1.55  | 23.88 | <=33.01 | Pass    |         |      |
|      |    | 25   | 22.35 | 1.55  | 23.90 | <=33.01 | Pass    |         |      |
|      |    | 49   | 22.42 | 1.55  | 23.97 | <=33.01 | Pass    |         |      |
|      | 25 | 0    | 20.55 | 1.55  | 22.10 | <=33.01 | Pass    |         |      |
|      |    | 13   | 20.51 | 1.55  | 22.06 | <=33.01 | Pass    |         |      |
|      |    | 25   | 20.58 | 1.55  | 22.13 | <=33.01 | Pass    |         |      |
|      | 50 | 0    | 20.52 | 1.55  | 22.07 | <=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      | 21.40                 | 1.55       | 22.95      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.35                 | 1.55       | 22.90      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 21.48                 | 1.55       | 23.03      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 20.50                 | 1.55       | 22.05      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 20.40                 | 1.55       | 21.95      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 20.47                 | 1.55       | 22.02      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 20.54                 | 1.55       | 22.09      | <=33.01 | Pass    |
|                                   |                 |               | 0      | 21.61                 | 1.55       | 23.16      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.85                 | 1.55       | 23.40      | <=33.01 | Pass    |
|                                   |                 | 1880          | 74     | 21.94                 | 1.55       | 23.49      | <=33.01 | Pass    |
|                                   |                 |               | 0      | 20.83                 | 1.55       | 22.38      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 20.93                 | 1.55       | 22.48      | <=33.01 | Pass    |
|                                   | 1902.5          | 36            | 39     | 20.88                 | 1.55       | 22.43      | <=33.01 | Pass    |
|                                   |                 |               | 0      | 20.82                 | 1.55       | 22.37      | <=33.01 | Pass    |
|                                   |                 |               | 0      | 22.17                 | 1.55       | 23.72      | <=33.01 | Pass    |
|                                   |                 | 1             | 38     | 22.35                 | 1.55       | 23.90      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 22.32                 | 1.55       | 23.87      | <=33.01 | Pass    |
|                                   |                 |               | 0      | 21.29                 | 1.55       | 22.84      | <=33.01 | Pass    |
|                                   |                 | 36            | 18     | 21.42                 | 1.55       | 22.97      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 21.38                 | 1.55       | 22.93      | <=33.01 | Pass    |
|                                   |                 |               | 0      | 21.33                 | 1.55       | 22.88      | <=33.01 | Pass    |
| 16QAM                             | 1857.5          | 1             | 0      | 21.32                 | 1.55       | 22.87      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.32                 | 1.55       | 22.87      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 21.49                 | 1.55       | 23.04      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 19.50                 | 1.55       | 21.05      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 19.59                 | 1.55       | 21.14      | <=33.01 | Pass    |

|  |        |    |    |       |      |       |         |      |
|--|--------|----|----|-------|------|-------|---------|------|
|  |        |    | 39 | 19.68 | 1.55 | 21.23 | <=33.01 | Pass |
|  |        | 75 | 0  | 19.61 | 1.55 | 21.16 | <=33.01 | Pass |
|  | 1880   | 1  | 0  | 22.16 | 1.55 | 23.71 | <=33.01 | Pass |
|  |        |    | 38 | 22.11 | 1.55 | 23.66 | <=33.01 | Pass |
|  |        |    | 74 | 22.34 | 1.55 | 23.89 | <=33.01 | Pass |
|  |        | 36 | 0  | 19.90 | 1.55 | 21.45 | <=33.01 | Pass |
|  |        |    | 18 | 19.94 | 1.55 | 21.49 | <=33.01 | Pass |
|  |        |    | 39 | 20.08 | 1.55 | 21.63 | <=33.01 | Pass |
|  |        | 75 | 0  | 20.06 | 1.55 | 21.61 | <=33.01 | Pass |
|  | 1902.5 | 1  | 0  | 22.23 | 1.55 | 23.78 | <=33.01 | Pass |
|  |        |    | 38 | 22.36 | 1.55 | 23.91 | <=33.01 | Pass |
|  |        |    | 74 | 22.41 | 1.55 | 23.96 | <=33.01 | Pass |
|  |        | 36 | 0  | 20.42 | 1.55 | 21.97 | <=33.01 | Pass |
|  |        |    | 18 | 20.47 | 1.55 | 22.02 | <=33.01 | Pass |
|  |        |    | 39 | 20.54 | 1.55 | 22.09 | <=33.01 | Pass |
|  |        | 75 | 0  | 20.46 | 1.55 | 22.01 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.6 B2\_20MHz\_EIRP

| Band: 2 / Bandwidth: 20MHz / NTNV |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 1860            | 1             | 0      | 21.49                 | 1.55       | 23.04      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.58                 | 1.55       | 23.13      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 21.83                 | 1.55       | 23.38      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 20.52                 | 1.55       | 22.07      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.42                 | 1.55       | 21.97      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 20.65                 | 1.55       | 22.20      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 20.47                 | 1.55       | 22.02      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 21.83                 | 1.55       | 23.38      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.02                 | 1.55       | 23.57      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 22.25                 | 1.55       | 23.80      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 20.85                 | 1.55       | 22.40      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.81                 | 1.55       | 22.36      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 20.97                 | 1.55       | 22.52      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 20.85                 | 1.55       | 22.40      | <=33.01 | Pass    |
|                                   | 1900            | 1             | 0      | 22.04                 | 1.55       | 23.59      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.18                 | 1.55       | 23.73      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 22.35                 | 1.55       | 23.90      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 21.15                 | 1.55       | 22.70      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.26                 | 1.55       | 22.81      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.35                 | 1.55       | 22.90      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 21.30                 | 1.55       | 22.85      | <=33.01 | Pass    |
| 16QAM                             | 1860            | 1             | 0      | 21.78                 | 1.55       | 23.33      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.77                 | 1.55       | 23.32      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 22.00                 | 1.55       | 23.55      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 19.54                 | 1.55       | 21.09      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 19.58                 | 1.55       | 21.13      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 19.75                 | 1.55       | 21.30      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 19.68                 | 1.55       | 21.23      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 21.24                 | 1.55       | 22.79      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.35                 | 1.55       | 22.90      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 21.61                 | 1.55       | 23.16      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 19.95                 | 1.55       | 21.50      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 20.10                 | 1.55       | 21.65      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 20.21                 | 1.55       | 21.76      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 19.97                 | 1.55       | 21.52      | <=33.01 | Pass    |
|                                   | 1900            | 1             | 0      | 21.80                 | 1.55       | 23.35      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.93                 | 1.55       | 23.48      | <=33.01 | Pass    |



|  |  |     |    |       |      |       |         |      |
|--|--|-----|----|-------|------|-------|---------|------|
|  |  | 50  | 99 | 22.13 | 1.55 | 23.68 | <=33.01 | Pass |
|  |  |     | 0  | 20.38 | 1.55 | 21.93 | <=33.01 | Pass |
|  |  |     | 25 | 20.46 | 1.55 | 22.01 | <=33.01 | Pass |
|  |  |     | 50 | 20.60 | 1.55 | 22.15 | <=33.01 | Pass |
|  |  | 100 | 0  | 20.34 | 1.55 | 21.89 | <=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          | 2.017            | 0.0011                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -8.640           | -0.0047               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -9.384           | -0.0051               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -5.679           | -0.0031               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -14.620          | -0.0079               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -9.785           | -0.0053               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -0.744           | -0.0004               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -7.882           | -0.0043               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -0.458           | -0.0002               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -10.715          | -0.0058               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 4.091            | 0.0022                | -2.5 to 2.5 | Pass    |
|                             | 1880            | 6             | 0      | 20         | 3.27          | 4.735            | 0.0025                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -9.241           | -0.0049               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 4.048            | 0.0022                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 4.506            | 0.0024                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 1.459            | 0.0008                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 2.189            | 0.0012                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 1.631            | 0.0009                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 5.250            | 0.0028                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 3.262            | 0.0017                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 6.022            | 0.0032                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 1.988            | 0.0011                | -2.5 to 2.5 | Pass    |
|                             | 1909.3          | 6             | 0      | 20         | 3.27          | 2.561            | 0.0013                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -6.752           | -0.0035               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -7.997           | -0.0042               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -1.302           | -0.0007               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 0.029            | 0.0000                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 0.014            | 0.0000                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -3.977           | -0.0021               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -7.968           | -0.0042               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -8.397           | -0.0044               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -9.370           | -0.0049               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -5.450           | -0.0029               | -2.5 to 2.5 | Pass    |
| 16QAM                       | 1850.7          | 6             | 0      | 20         | 3.27          | -2.146           | -0.0012               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -6.309           | -0.0034               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -8.669           | -0.0047               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -7.267           | -0.0039               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 0.100            | 0.0001                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -10.586          | -0.0057               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -0.086           | 0.0000                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -1.659           | -0.0009               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -1.974           | -0.0011               | -2.5 to 2.5 | Pass    |

|  |        |   |   |     |      |        |         |             |      |
|--|--------|---|---|-----|------|--------|---------|-------------|------|
|  | 1880   | 6 | 0 | 40  | 3.85 | -0.944 | -0.0005 | -2.5 to 2.5 | Pass |
|  |        |   |   | 50  | 3.85 | 1.159  | 0.0006  | -2.5 to 2.5 | Pass |
|  |        |   |   | 20  | 3.27 | -1.173 | -0.0006 | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 3.85 | 4.048  | 0.0022  | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 4.43 | 1.731  | 0.0009  | -2.5 to 2.5 | Pass |
|  |        |   |   | -30 | 3.85 | 3.777  | 0.0020  | -2.5 to 2.5 | Pass |
|  |        |   |   | -20 | 3.85 | 1.173  | 0.0006  | -2.5 to 2.5 | Pass |
|  |        |   |   | -10 | 3.85 | 3.777  | 0.0020  | -2.5 to 2.5 | Pass |
|  |        |   |   | 0   | 3.85 | 2.360  | 0.0013  | -2.5 to 2.5 | Pass |
|  |        |   |   | 10  | 3.85 | 1.974  | 0.0011  | -2.5 to 2.5 | Pass |
|  | 1909.3 | 6 | 0 | 30  | 3.85 | 2.174  | 0.0012  | -2.5 to 2.5 | Pass |
|  |        |   |   | 40  | 3.85 | 1.774  | 0.0009  | -2.5 to 2.5 | Pass |
|  |        |   |   | 50  | 3.85 | 4.678  | 0.0025  | -2.5 to 2.5 | Pass |
|  |        |   |   | 20  | 3.27 | -8.125 | -0.0043 | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 3.85 | -4.663 | -0.0024 | -2.5 to 2.5 | Pass |
|  |        |   |   |     | 4.43 | -6.223 | -0.0033 | -2.5 to 2.5 | Pass |
|  |        |   |   | -30 | 3.85 | -3.762 | -0.0020 | -2.5 to 2.5 | Pass |
|  |        |   |   | -20 | 3.85 | -4.950 | -0.0026 | -2.5 to 2.5 | Pass |
|  |        |   |   | -10 | 3.85 | -3.076 | -0.0016 | -2.5 to 2.5 | Pass |
|  |        |   |   | 0   | 3.85 | -5.894 | -0.0031 | -2.5 to 2.5 | Pass |
|  |        |   |   | 10  | 3.85 | -2.947 | -0.0015 | -2.5 to 2.5 | Pass |
|  |        |   |   | 30  | 3.85 | -5.994 | -0.0031 | -2.5 to 2.5 | Pass |
|  |        |   |   | 40  | 3.85 | -5.221 | -0.0027 | -2.5 to 2.5 | Pass |
|  |        |   |   | 50  | 3.85 | -2.789 | -0.0015 | -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          | -10.829          | -0.0058               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -4.678           | -0.0025               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -12.403          | -0.0067               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -10.829          | -0.0058               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -1.245           | -0.0007               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -6.180           | -0.0033               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -0.215           | -0.0001               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -3.419           | -0.0018               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -5.665           | -0.0031               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -10.071          | -0.0054               | -2.5 to 2.5 | Pass    |
|                           | 1880            | 15            | 0      | 50         | 3.85          | -14.491          | -0.0078               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 20         | 3.27          | -0.043           | 0.0000                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -0.529           | -0.0003               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 5.279            | 0.0028                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 5.107            | 0.0027                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 2.818            | 0.0015                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 5.851            | 0.0031                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 2.575            | 0.0014                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 7.753            | 0.0041                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 1.445            | 0.0008                | -2.5 to 2.5 | Pass    |
|                           | 1908.5          | 15            | 0      | 40         | 3.85          | -1.731           | -0.0009               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 0.944            | 0.0005                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 20         | 3.27          | -13.461          | -0.0071               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 2.561            | 0.0013                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 1.287            | 0.0007                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -0.515           | -0.0003               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 0.472            | 0.0002                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 0.329            | 0.0002                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 0.830            | 0.0004                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -0.386           | -0.0002               | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |        |         |             |      |
|-------|--------|----|---|-----|------|--------|---------|-------------|------|
| 16QAM | 1851.5 | 15 | 0 | 30  | 3.85 | 0.944  | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 2.046  | 0.0011  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 0.343  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | -1.445 | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 1.144  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 0.129  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 3.762  | 0.0020  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 1.702  | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 2.103  | 0.0011  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 1.359  | 0.0007  | -2.5 to 2.5 | Pass |
|       | 1880   | 15 | 0 | 10  | 3.85 | 5.651  | 0.0031  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 3.362  | 0.0018  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 3.290  | 0.0018  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 2.446  | 0.0013  | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | -0.243 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 3.490  | 0.0019  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 6.251  | 0.0033  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 4.306  | 0.0023  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 7.010  | 0.0037  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 1.316  | 0.0007  | -2.5 to 2.5 | Pass |
|       | 1908.5 | 15 | 0 | 0   | 3.85 | 7.710  | 0.0041  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 0.157  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 3.791  | 0.0020  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 5.980  | 0.0032  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 4.277  | 0.0023  | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | 6.309  | 0.0033  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 5.322  | 0.0028  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 4.320  | 0.0023  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 8.655  | 0.0045  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 5.994  | 0.0031  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 2.532  | 0.0013  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 4.177  | 0.0022  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 3.304  | 0.0017  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 4.449  | 0.0023  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 7.153  | 0.0037  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 7.052  | 0.0037  | -2.5 to 2.5 | Pass |

### 2.1.3 B2\_5MHz

| Band: 2 / Bandwidth: 5MHz |                 |               |        |            |               |                  |                       |             |         |
|---------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                           |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                      | 1852.5          | 25            | 0      | 20         | 3.27          | -3.147           | -0.0017               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -1.044           | -0.0006               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -6.695           | -0.0036               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -6.351           | -0.0034               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 6.065            | 0.0033                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 0.515            | 0.0003                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -1.473           | -0.0008               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -1.845           | -0.0010               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -3.963           | -0.0021               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 1.230            | 0.0007                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 1.745            | 0.0009                | -2.5 to 2.5 | Pass    |
|                           | 1880            | 25            | 0      | 20         | 3.27          | 1.202            | 0.0006                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -13.103          | -0.0070               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 1.388            | 0.0007                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 2.933            | 0.0016                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 2.289            | 0.0012                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 1.931            | 0.0010                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 4.106            | 0.0022                | -2.5 to 2.5 | Pass    |



|       |        |    |   |     |      |        |         |             |      |
|-------|--------|----|---|-----|------|--------|---------|-------------|------|
| 16QAM | 1907.5 | 25 | 0 | 10  | 3.85 | 3.762  | 0.0020  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 4.034  | 0.0021  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 4.463  | 0.0024  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 2.890  | 0.0015  | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | -3.018 | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -3.176 | -0.0017 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -0.958 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -6.194 | -0.0032 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -2.975 | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -6.022 | -0.0032 | -2.5 to 2.5 | Pass |
|       | 1852.5 | 25 | 0 | 0   | 3.85 | -3.533 | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -2.275 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -4.206 | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -5.078 | -0.0027 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -3.347 | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | -1.273 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 2.403  | 0.0013  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 2.074  | 0.0011  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 1.330  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 2.189  | 0.0012  | -2.5 to 2.5 | Pass |
| 16QAM | 1880   | 25 | 0 | -10 | 3.85 | 2.589  | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 2.217  | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 3.376  | 0.0018  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 3.304  | 0.0018  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 1.230  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -0.644 | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | 0.772  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 6.180  | 0.0033  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 2.918  | 0.0016  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 5.693  | 0.0030  | -2.5 to 2.5 | Pass |
|       | 1907.5 | 25 | 0 | -20 | 3.85 | 2.718  | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 4.435  | 0.0024  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 2.904  | 0.0015  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 1.130  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 2.589  | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 4.721  | 0.0025  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 3.304  | 0.0018  | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | 0.086  | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 1.230  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 1.760  | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 0.186  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 2.804  | 0.0015  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 2.174  | 0.0011  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 1.030  | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 3.591  | 0.0019  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 2.360  | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -0.472 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -0.801 | -0.0004 | -2.5 to 2.5 | Pass |

## 2.1.4 B2\_10MHz

| Band: 2 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 1855            | 50            | 0      | 20         | 3.27          | -9.127           | -0.0049               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -3.748           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -8.383           | -0.0045               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 3.033            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -3.977           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -3.633           | -0.0020               | -2.5 to 2.5 | Pass    |

|       |      |    |   |     |      |         |         |             |      |
|-------|------|----|---|-----|------|---------|---------|-------------|------|
|       |      |    |   | 0   | 3.85 | -2.432  | -0.0013 | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | -3.290  | -0.0018 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -3.576  | -0.0019 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | 1.459   | 0.0008  | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | -7.281  | -0.0039 | -2.5 to 2.5 | Pass |
|       | 1880 | 50 | 0 | 20  | 3.27 | 1.760   | 0.0009  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | -1.731  | -0.0009 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | -11.201 | -0.0060 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | 2.403   | 0.0013  | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | 1.073   | 0.0006  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | -3.648  | -0.0019 | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | 3.190   | 0.0017  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | 2.232   | 0.0012  | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | 0.029   | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | 3.877   | 0.0021  | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | 1.073   | 0.0006  | -2.5 to 2.5 | Pass |
|       | 1905 | 50 | 0 | 20  | 3.27 | 1.388   | 0.0007  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | -3.920  | -0.0021 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | -11.916 | -0.0063 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | -10.972 | -0.0058 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | -8.812  | -0.0046 | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | -9.127  | -0.0048 | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | -8.841  | -0.0046 | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | -10.958 | -0.0058 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -8.197  | -0.0043 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | -6.466  | -0.0034 | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | -9.069  | -0.0048 | -2.5 to 2.5 | Pass |
| 16QAM | 1855 | 50 | 0 | 20  | 3.27 | -11.516 | -0.0062 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | -7.696  | -0.0041 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | -4.463  | -0.0024 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | -5.522  | -0.0030 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | -9.127  | -0.0049 | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | -8.655  | -0.0047 | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | -6.766  | -0.0036 | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | -9.584  | -0.0052 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -7.339  | -0.0040 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | -6.552  | -0.0035 | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | -8.740  | -0.0047 | -2.5 to 2.5 | Pass |
|       | 1880 | 50 | 0 | 20  | 3.27 | 2.332   | 0.0012  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | 2.604   | 0.0014  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | 3.319   | 0.0018  | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | 1.702   | 0.0009  | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | 4.249   | 0.0023  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | 2.217   | 0.0012  | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | 1.230   | 0.0007  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | 1.187   | 0.0006  | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | 1.717   | 0.0009  | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | -0.358  | -0.0002 | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | 2.360   | 0.0013  | -2.5 to 2.5 | Pass |
|       | 1905 | 50 | 0 | 20  | 3.27 | -6.766  | -0.0036 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | -2.675  | -0.0014 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | -1.988  | -0.0010 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | 0.186   | 0.0001  | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | -2.260  | -0.0012 | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | -2.089  | -0.0011 | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | -3.362  | -0.0018 | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | -4.964  | -0.0026 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -4.578  | -0.0024 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | -6.366  | -0.0033 | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | -3.047  | -0.0016 | -2.5 to 2.5 | Pass |

## 2.1.5 B2\_15MHz

| Band: 2 / Bandwidth: 15MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 1857.5          | 75            | 0      | 20         | 3.27          | -9.456           | -0.0051               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -13.003          | -0.0070               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -8.769           | -0.0047               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -4.120           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -0.114           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -2.904           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -10.257          | -0.0055               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 4.449            | 0.0024                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 7.052            | 0.0038                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -2.046           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -7.052           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 75            | 0      | 20         | 3.27          | -7.310           | -0.0039               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 2.475            | 0.0013                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -0.873           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -0.629           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -0.873           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 2.160            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 2.060            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -3.333           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -7.524           | -0.0040               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -6.280           | -0.0033               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -11.530          | -0.0061               | -2.5 to 2.5 | Pass    |
|                            | 1902.5          | 75            | 0      | 20         | 3.27          | -0.930           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -8.826           | -0.0046               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -9.642           | -0.0051               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -10.185          | -0.0054               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -9.441           | -0.0050               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -10.157          | -0.0053               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -12.460          | -0.0065               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -4.563           | -0.0024               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -8.512           | -0.0045               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -6.137           | -0.0032               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 1857.5          | 75            | 0      | 20         | 3.27          | -8.597           | -0.0046               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -7.081           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -4.835           | -0.0026               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -1.845           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -3.448           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -4.635           | -0.0025               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -5.836           | -0.0031               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -3.791           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -2.689           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -3.848           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 2.947            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            | 1880            | 75            | 0      | 20         | 3.27          | -11.101          | -0.0059               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -7.095           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -3.662           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -5.007           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -6.337           | -0.0034               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -5.708           | -0.0030               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -8.512           | -0.0045               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -6.323           | -0.0034               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -17.624          | -0.0094               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -7.639           | -0.0041               | -2.5 to 2.5 | Pass    |

|  |        |    |   |     |      |         |         |             |      |
|--|--------|----|---|-----|------|---------|---------|-------------|------|
|  | 1902.5 | 75 | 0 | 50  | 3.85 | -8.326  | -0.0044 | -2.5 to 2.5 | Pass |
|  |        |    |   | 20  | 3.27 | -10.529 | -0.0055 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | -10.500 | -0.0055 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | -6.208  | -0.0033 | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | -5.593  | -0.0029 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | -6.323  | -0.0033 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | -8.297  | -0.0044 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -7.825  | -0.0041 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | -10.443 | -0.0055 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -9.413  | -0.0049 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | -8.254  | -0.0043 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | -7.281  | -0.0038 | -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          | 3.147            | 0.0017                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -12.546          | -0.0067               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 1.731            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -8.097           | -0.0044               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 2.360            | 0.0013                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 3.419            | 0.0018                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -6.981           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -5.021           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -3.462           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -2.160           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -1.960           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 100           | 0      | 20         | 3.27          | -1.802           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -9.427           | -0.0050               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -1.574           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -0.715           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -2.832           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -2.604           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -6.495           | -0.0035               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -4.520           | -0.0024               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -3.977           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -7.296           | -0.0039               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -6.824           | -0.0036               | -2.5 to 2.5 | Pass    |
|                            | 1900            | 100           | 0      | 20         | 3.27          | 2.832            | 0.0015                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 0.501            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 0.343            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 1.273            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 1.359            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -1.760           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 2.775            | 0.0015                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 0.014            | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 1.574            | 0.0008                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 3.047            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -1.931           | -0.0010               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 1860            | 100           | 0      | 20         | 3.27          | -0.429           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -3.047           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 0.229            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -2.017           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -1.245           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -0.787           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -0.186           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -1.287           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 3.119            | 0.0017                | -2.5 to 2.5 | Pass    |

|  |      |     |   |     |      |         |         |             |      |
|--|------|-----|---|-----|------|---------|---------|-------------|------|
|  | 1880 | 100 | 0 | 40  | 3.85 | -0.629  | -0.0003 | -2.5 to 2.5 | Pass |
|  |      |     |   | 50  | 3.85 | -0.486  | -0.0003 | -2.5 to 2.5 | Pass |
|  |      |     |   | 20  | 3.27 | -10.185 | -0.0054 | -2.5 to 2.5 | Pass |
|  |      |     |   |     | 3.85 | -3.848  | -0.0020 | -2.5 to 2.5 | Pass |
|  |      |     |   |     | 4.43 | 0.186   | 0.0001  | -2.5 to 2.5 | Pass |
|  |      |     |   | -30 | 3.85 | -3.176  | -0.0017 | -2.5 to 2.5 | Pass |
|  |      |     |   | -20 | 3.85 | -6.809  | -0.0036 | -2.5 to 2.5 | Pass |
|  |      |     |   | -10 | 3.85 | -2.174  | -0.0012 | -2.5 to 2.5 | Pass |
|  |      |     |   | 0   | 3.85 | -2.103  | -0.0011 | -2.5 to 2.5 | Pass |
|  |      |     |   | 10  | 3.85 | -10.071 | -0.0054 | -2.5 to 2.5 | Pass |
|  | 1900 | 100 | 0 | 30  | 3.85 | -6.051  | -0.0032 | -2.5 to 2.5 | Pass |
|  |      |     |   | 40  | 3.85 | -2.775  | -0.0015 | -2.5 to 2.5 | Pass |
|  |      |     |   | 50  | 3.85 | -3.505  | -0.0019 | -2.5 to 2.5 | Pass |
|  |      |     |   | 20  | 3.27 | 0.243   | 0.0001  | -2.5 to 2.5 | Pass |
|  |      |     |   |     | 3.85 | -2.775  | -0.0015 | -2.5 to 2.5 | Pass |
|  |      |     |   |     | 4.43 | 2.761   | 0.0015  | -2.5 to 2.5 | Pass |
|  |      |     |   | -30 | 3.85 | -0.930  | -0.0005 | -2.5 to 2.5 | Pass |
|  |      |     |   | -20 | 3.85 | 4.606   | 0.0024  | -2.5 to 2.5 | Pass |
|  |      |     |   | -10 | 3.85 | 0.057   | 0.0000  | -2.5 to 2.5 | Pass |
|  |      |     |   | 0   | 3.85 | 1.688   | 0.0009  | -2.5 to 2.5 | Pass |
|  |      |     |   | 10  | 3.85 | 1.173   | 0.0006  | -2.5 to 2.5 | Pass |
|  |      |     |   | 30  | 3.85 | 0.429   | 0.0002  | -2.5 to 2.5 | Pass |
|  |      |     |   | 40  | 3.85 | -3.891  | -0.0020 | -2.5 to 2.5 | Pass |
|  |      |     |   | 50  | 3.85 | -0.172  | -0.0001 | -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 / NTVN |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| 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 / NTV |                 |               |        |                            |       |         |
|---------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| 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 | RB Allocation |  | Modulation Characteristics | Verdict |



|       | (MHz) | 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

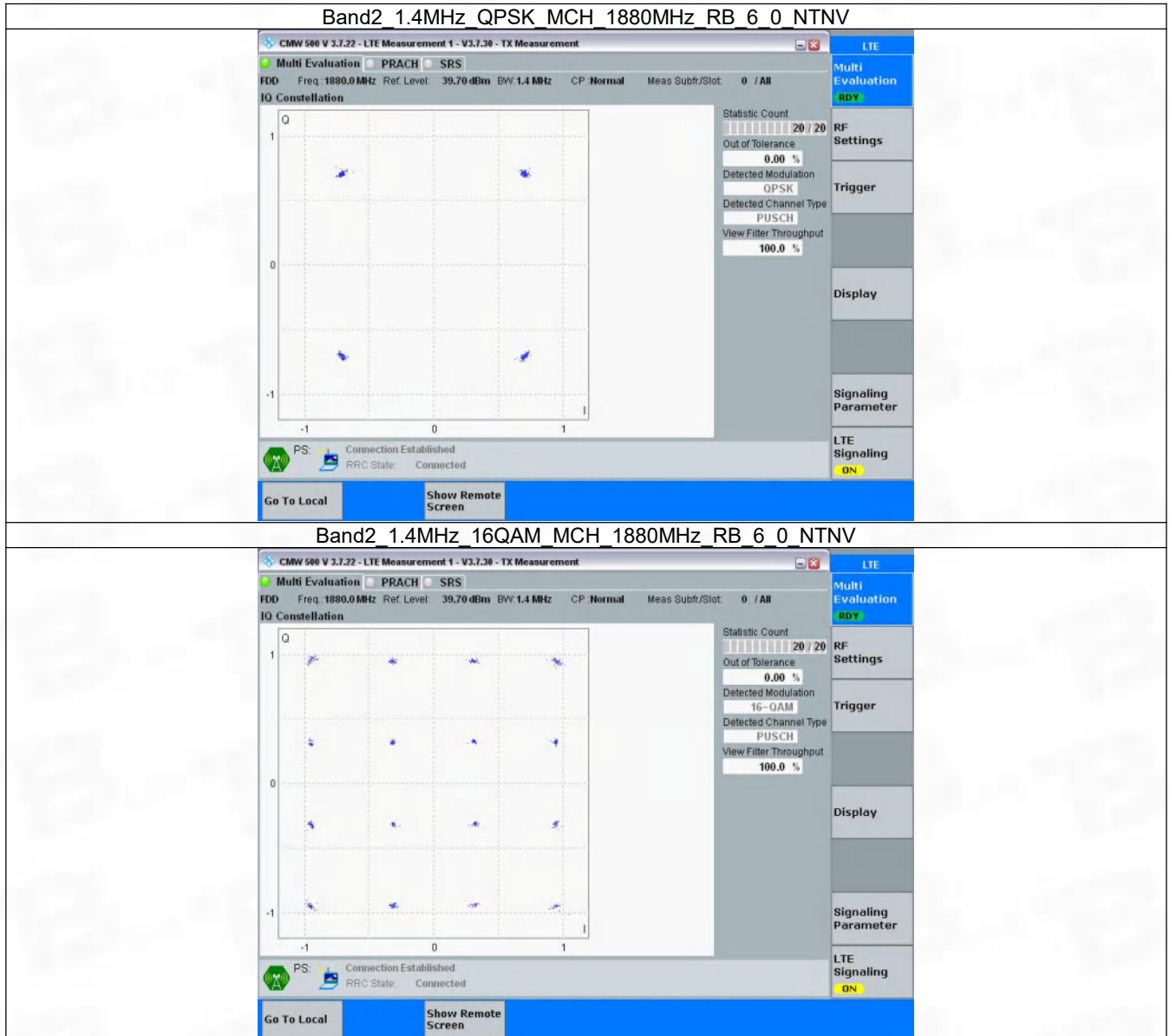
| Band: 2 / Bandwidth: 15MHz / NTN |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (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

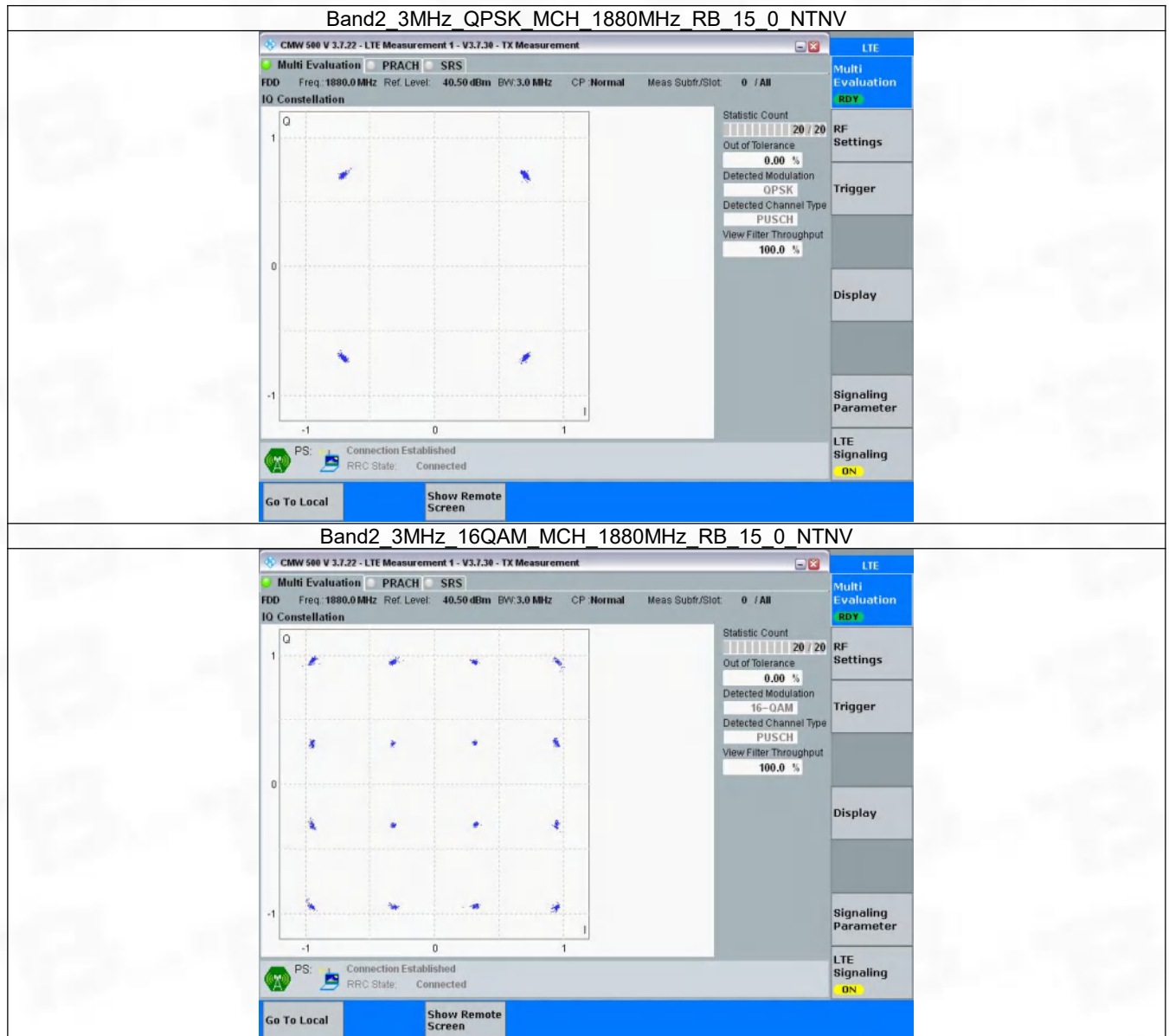
| Band: 2 / Bandwidth: 20MHz / NTN |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (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

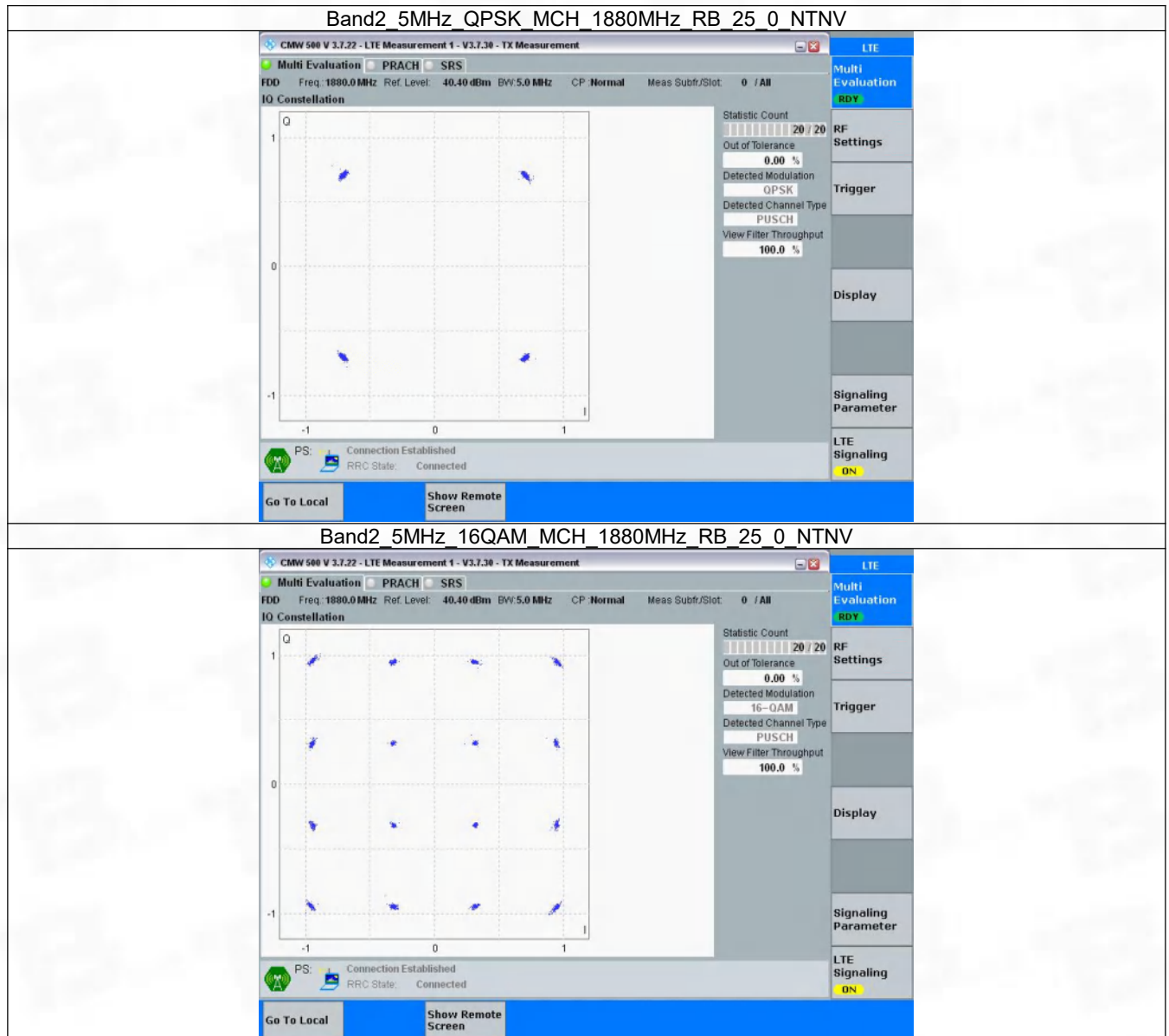
### 3.2.1 B2\_1.4MHz



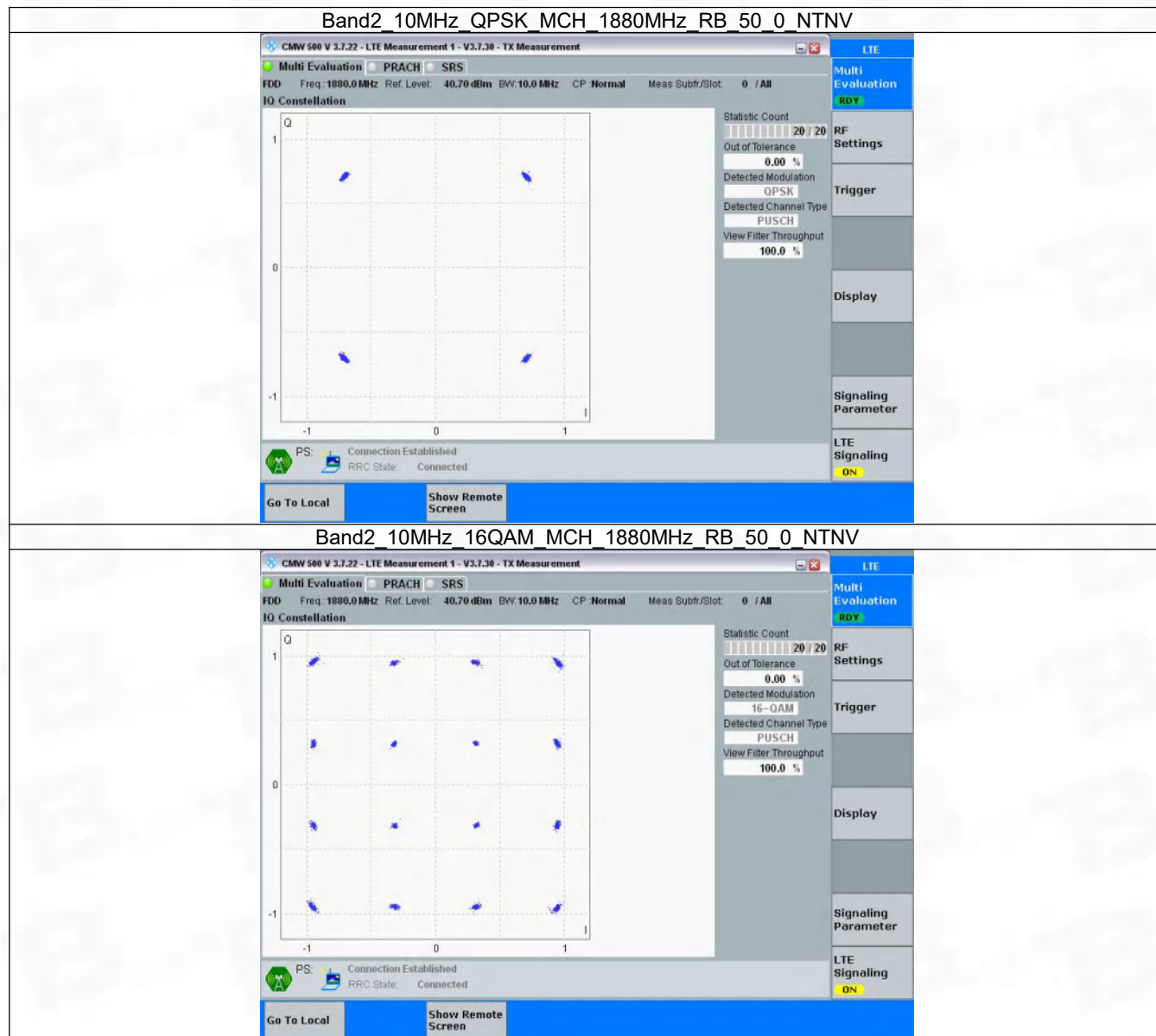
### 3.2.2 B2\_3MHz



### 3.2.3 B2\_5MHz

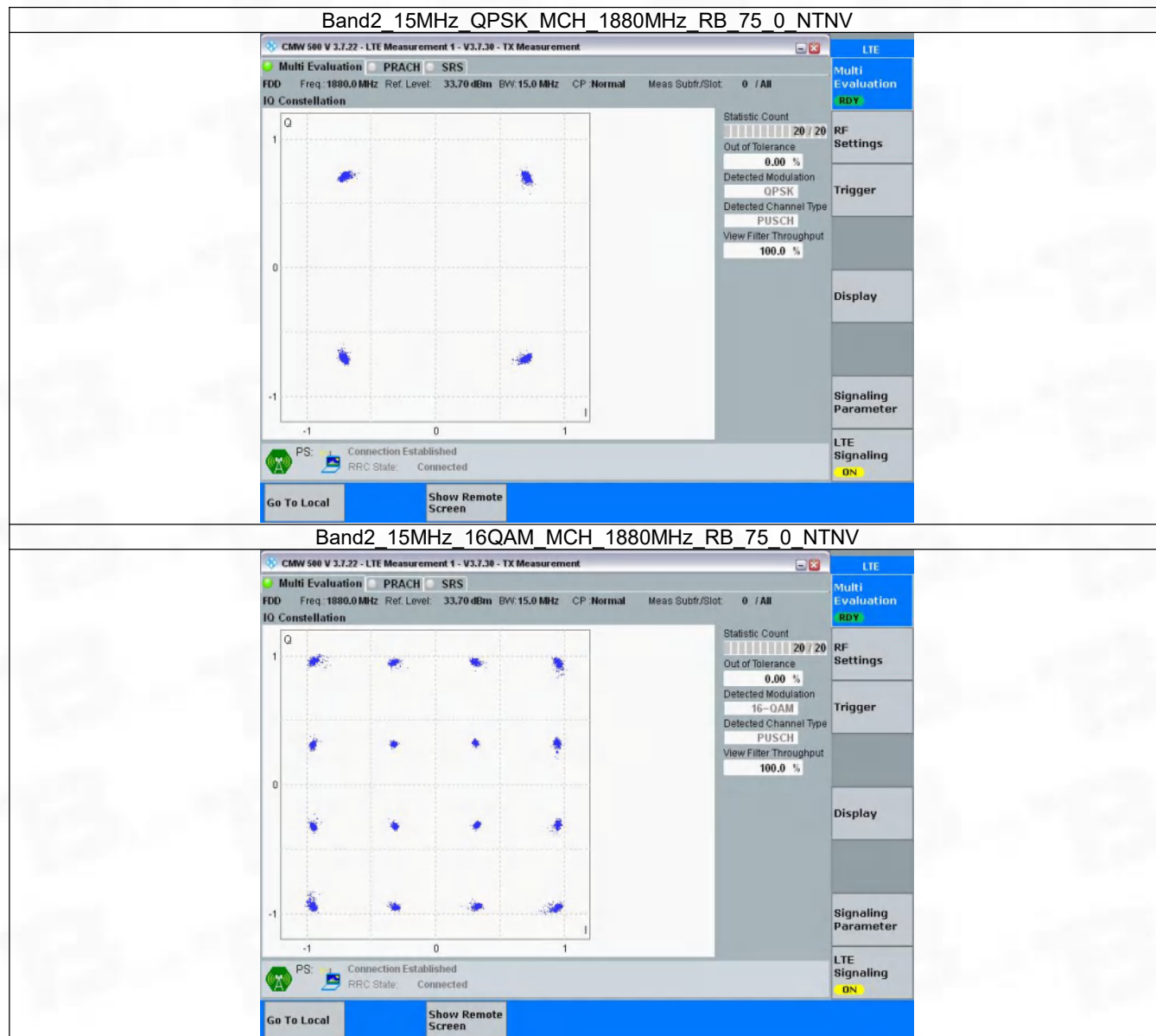


### 3.2.4 B2\_10MHz

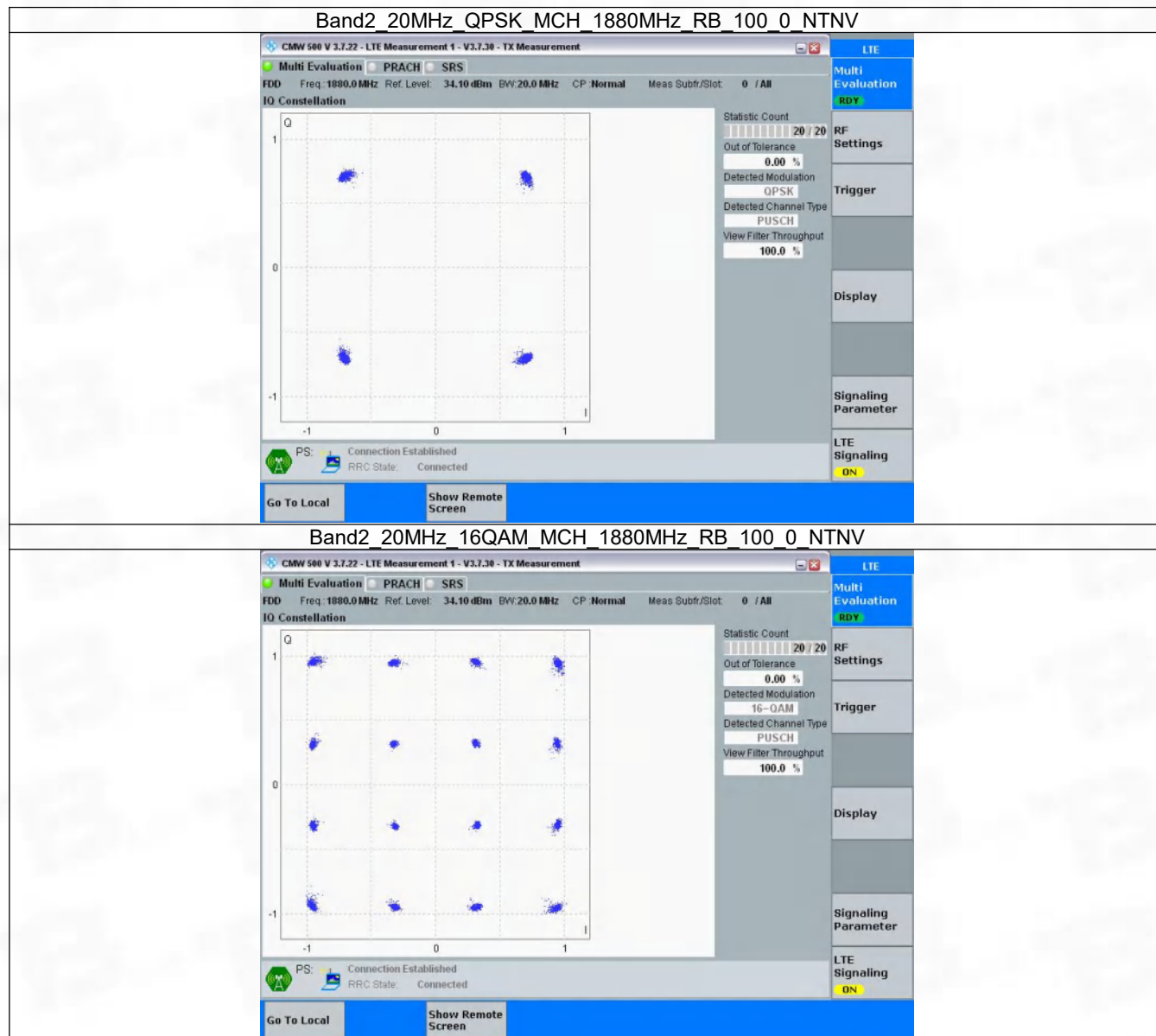




### 3.2.5 B2\_15MHz



### 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      | 1.120                        | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.112                        | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.112                        | /     | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.117                        | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.113                        | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.120                        | /     | Pass    |
| 3               | QPSK       | 1851.5          | 15            | 0      | 2.757                        | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 2.754                        | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.771                        | /     | Pass    |
|                 | 16QAM      | 1851.5          | 15            | 0      | 2.769                        | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 2.751                        | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.778                        | /     | Pass    |
| 5               | QPSK       | 1852.5          | 25            | 0      | 4.549                        | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 4.535                        | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.569                        | /     | Pass    |
|                 | 16QAM      | 1852.5          | 25            | 0      | 4.572                        | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 4.570                        | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.538                        | /     | Pass    |
| 10              | QPSK       | 1855            | 50            | 0      | 9.061                        | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.069                        | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 9.067                        | /     | Pass    |
|                 | 16QAM      | 1855            | 50            | 0      | 9.037                        | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.052                        | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 9.079                        | /     | Pass    |
| 15              | QPSK       | 1857.5          | 75            | 0      | 13.615                       | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 13.620                       | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.621                       | /     | Pass    |
|                 | 16QAM      | 1857.5          | 75            | 0      | 13.611                       | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 13.668                       | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.585                       | /     | Pass    |
| 20              | QPSK       | 1860            | 100           | 0      | 18.118                       | /     | Pass    |
|                 |            | 1880            | 100           | 0      | 18.182                       | /     | Pass    |
|                 |            | 1900            | 100           | 0      | 18.166                       | /     | Pass    |
|                 | 16QAM      | 1860            | 100           | 0      | 18.126                       | /     | Pass    |
|                 |            | 1880            | 100           | 0      | 18.196                       | /     | Pass    |
|                 |            | 1900            | 100           | 0      | 18.143                       | /     | Pass    |

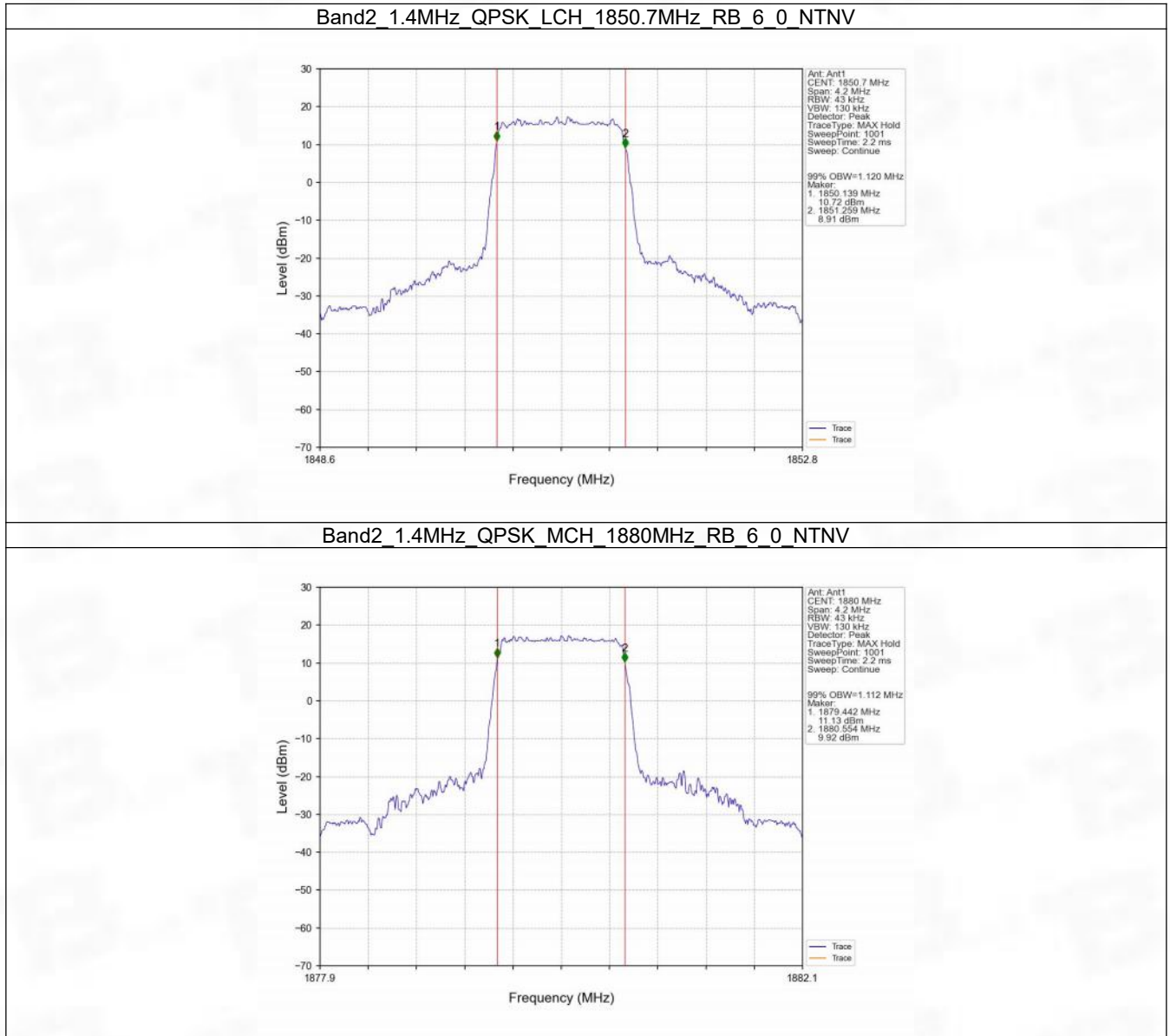
#### 4.1.2 Band2\_XDB

| 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      | 1.269                | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.268                | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.274                | /     | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.277                | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.271                | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.278                | /     | Pass    |

|    |       |        |     |   |        |   |      |
|----|-------|--------|-----|---|--------|---|------|
| 3  | QPSK  | 1851.5 | 15  | 0 | 3.097  | / | Pass |
|    |       | 1880   | 15  | 0 | 3.098  | / | Pass |
|    |       | 1908.5 | 15  | 0 | 3.116  | / | Pass |
|    | 16QAM | 1851.5 | 15  | 0 | 3.109  | / | Pass |
|    |       | 1880   | 15  | 0 | 3.098  | / | Pass |
|    |       | 1908.5 | 15  | 0 | 3.100  | / | Pass |
| 5  | QPSK  | 1852.5 | 25  | 0 | 5.036  | / | Pass |
|    |       | 1880   | 25  | 0 | 5.054  | / | Pass |
|    |       | 1907.5 | 25  | 0 | 5.060  | / | Pass |
|    | 16QAM | 1852.5 | 25  | 0 | 5.067  | / | Pass |
|    |       | 1880   | 25  | 0 | 5.073  | / | Pass |
|    |       | 1907.5 | 25  | 0 | 5.063  | / | Pass |
| 10 | QPSK  | 1855   | 50  | 0 | 10.083 | / | Pass |
|    |       | 1880   | 50  | 0 | 9.987  | / | Pass |
|    |       | 1905   | 50  | 0 | 10.025 | / | Pass |
|    | 16QAM | 1855   | 50  | 0 | 9.984  | / | Pass |
|    |       | 1880   | 50  | 0 | 10.017 | / | Pass |
|    |       | 1905   | 50  | 0 | 10.091 | / | Pass |
| 15 | QPSK  | 1857.5 | 75  | 0 | 15.200 | / | Pass |
|    |       | 1880   | 75  | 0 | 15.120 | / | Pass |
|    |       | 1902.5 | 75  | 0 | 15.212 | / | Pass |
|    | 16QAM | 1857.5 | 75  | 0 | 15.170 | / | Pass |
|    |       | 1880   | 75  | 0 | 15.258 | / | Pass |
|    |       | 1902.5 | 75  | 0 | 15.144 | / | Pass |
| 20 | QPSK  | 1860   | 100 | 0 | 20.063 | / | Pass |
|    |       | 1880   | 100 | 0 | 19.967 | / | Pass |
|    |       | 1900   | 100 | 0 | 20.032 | / | Pass |
|    | 16QAM | 1860   | 100 | 0 | 19.937 | / | Pass |
|    |       | 1880   | 100 | 0 | 19.945 | / | Pass |
|    |       | 1900   | 100 | 0 | 20.085 | / | Pass |

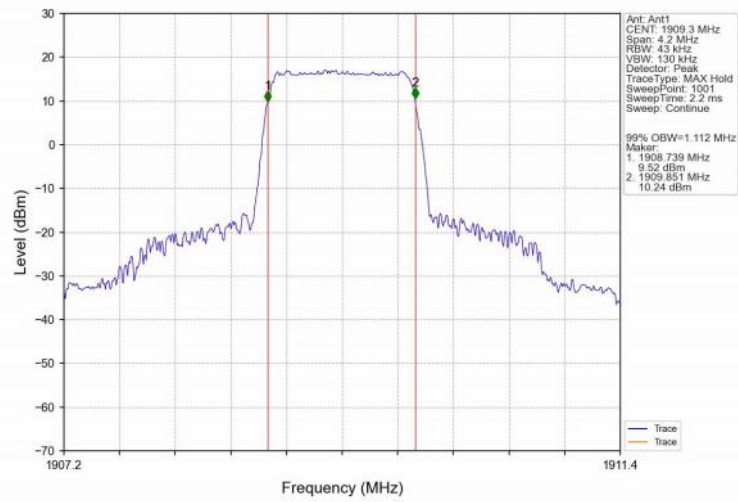
## 4.2 Test Graph

### 4.2.1 Band2\_OBW

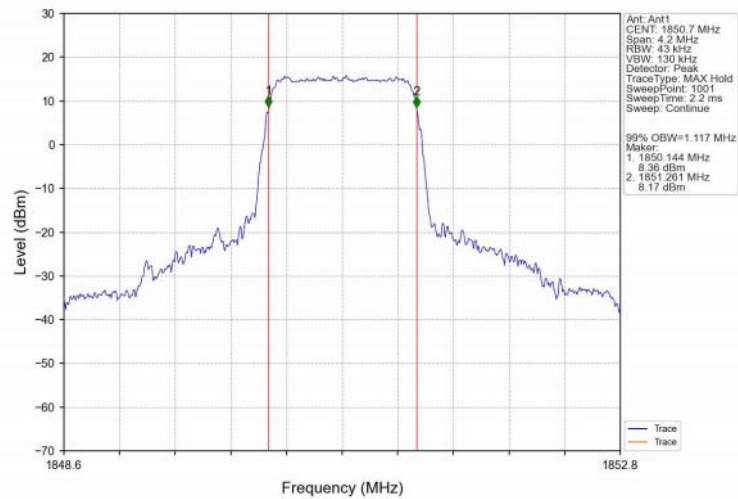




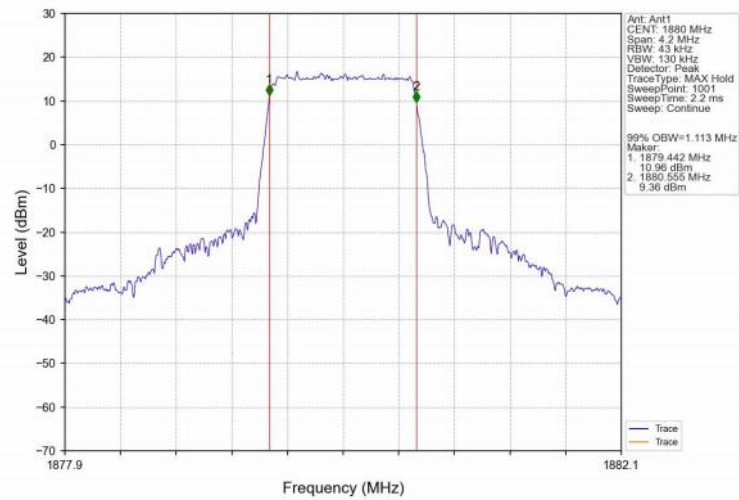
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



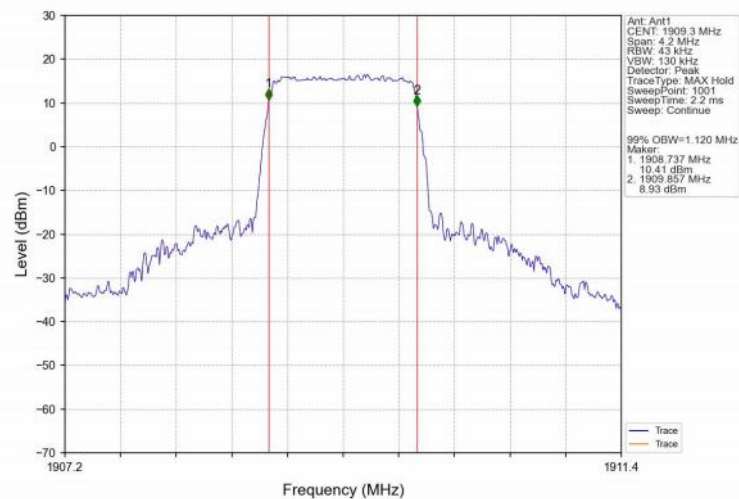
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



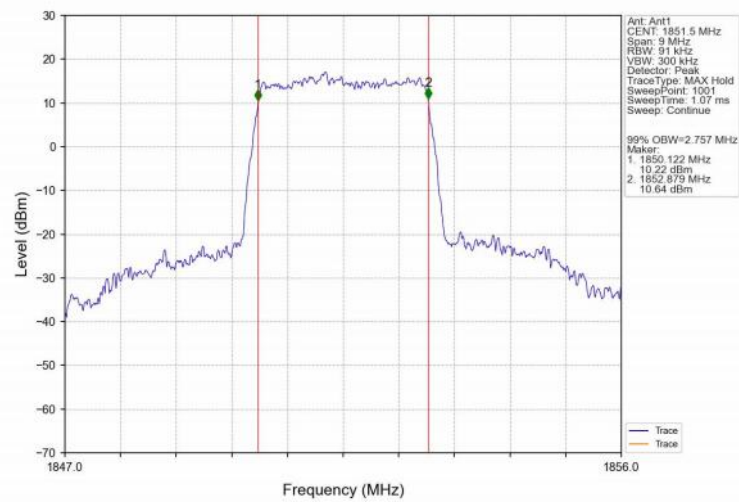
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_6\_0\_NTNV



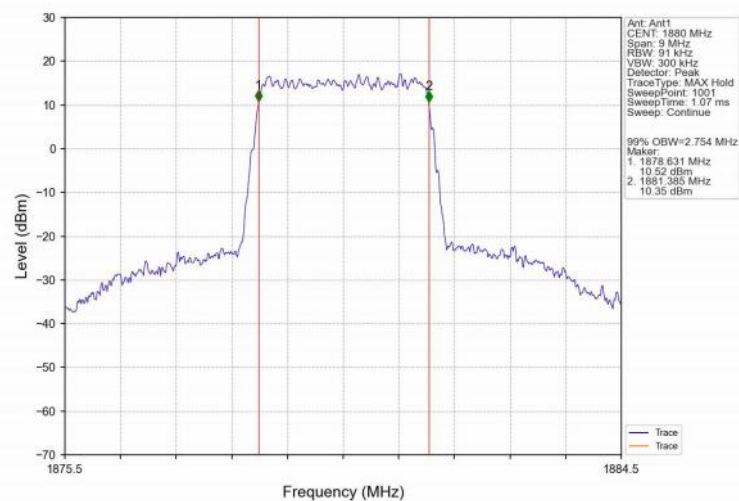
Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



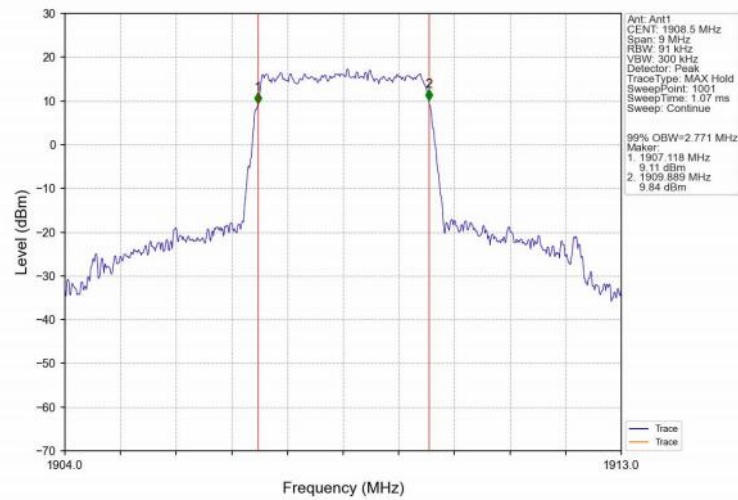
Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



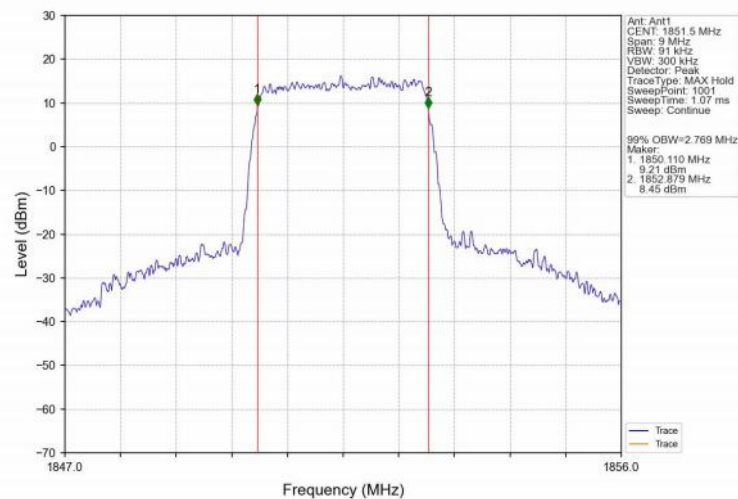
Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_15\_0\_NTNV



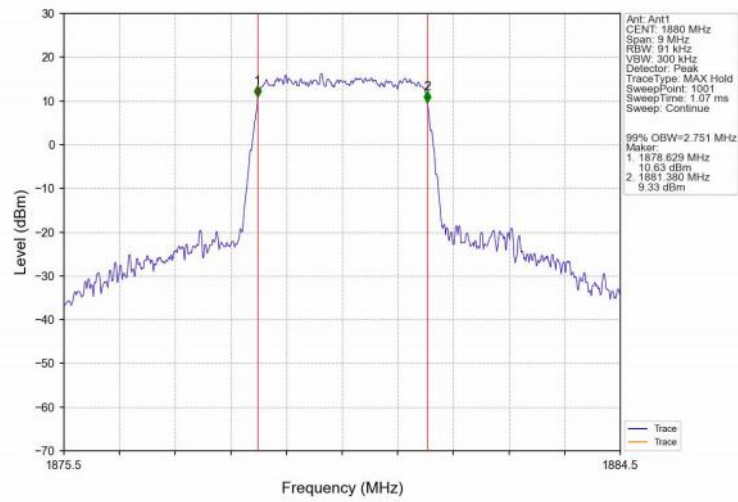
Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



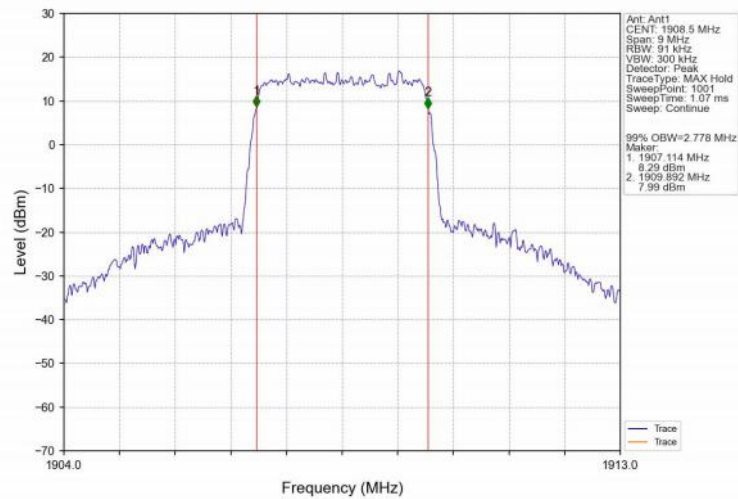
Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



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

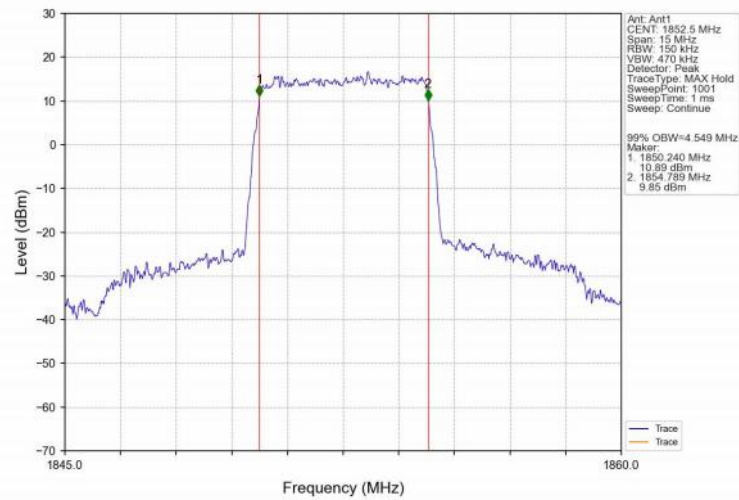


Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV

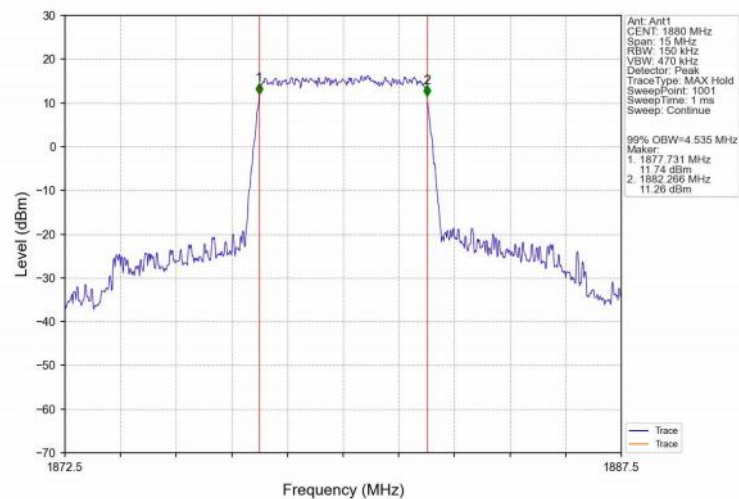




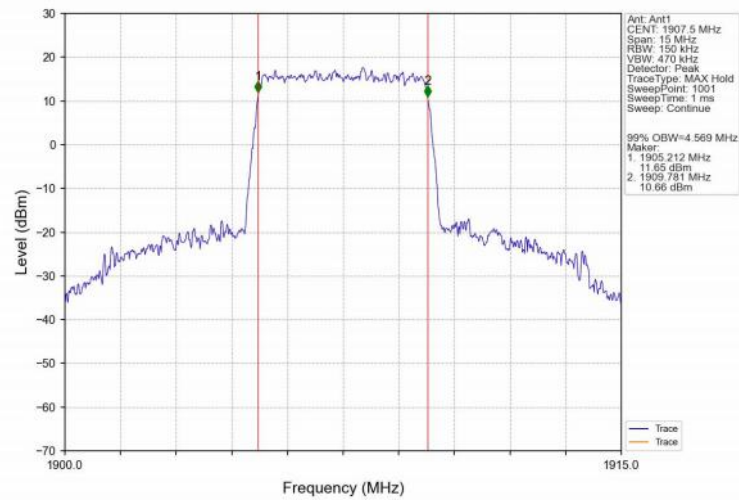
Band2\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



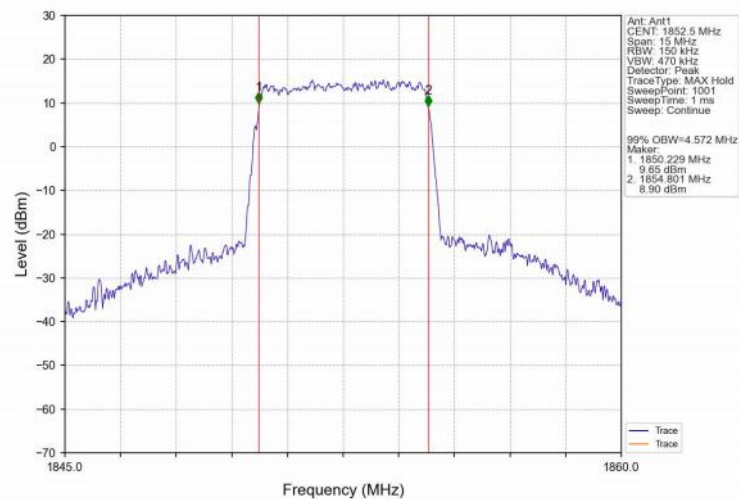
Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_25\_0\_NTNV



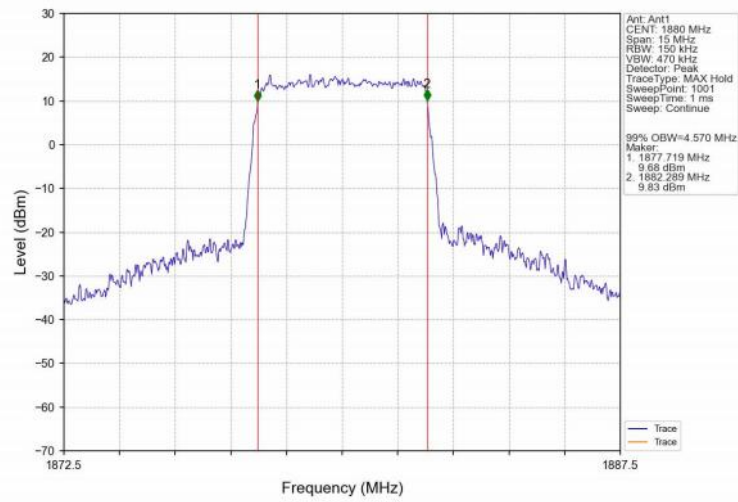
Band2\_5MHz\_QPSK\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



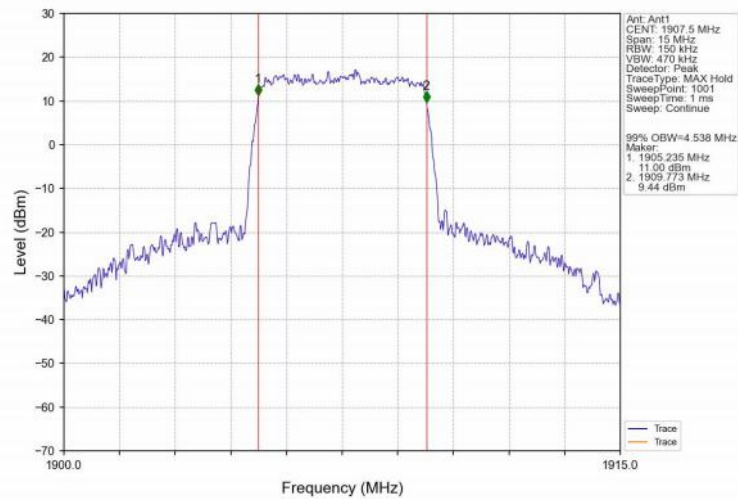
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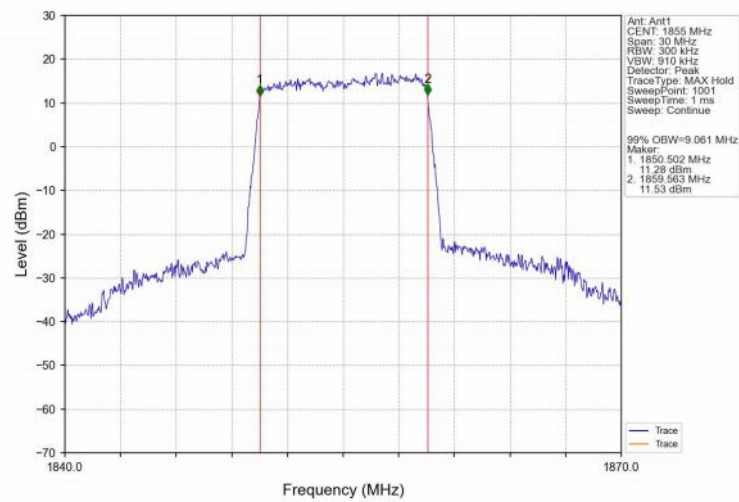
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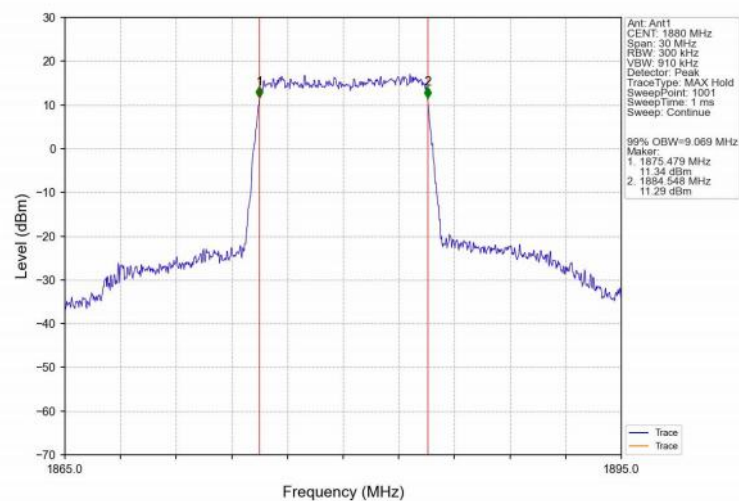
Band2\_5MHz\_16QAM\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



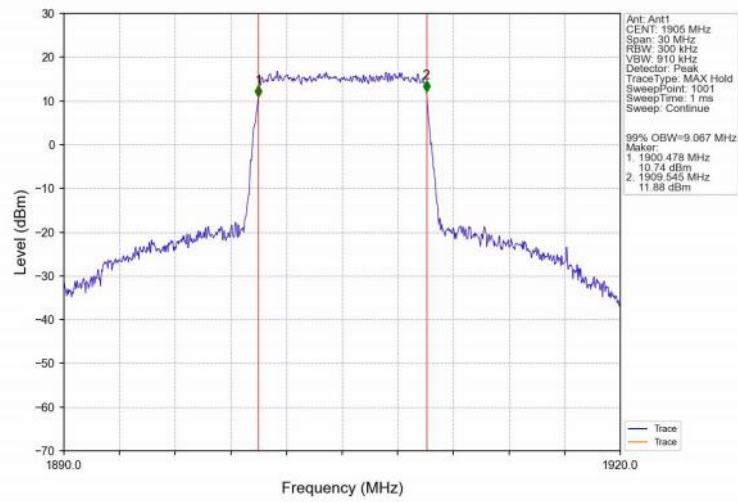
Band2\_10MHz\_QPSK\_LCH\_1855MHz\_RB\_50\_0\_NTNV



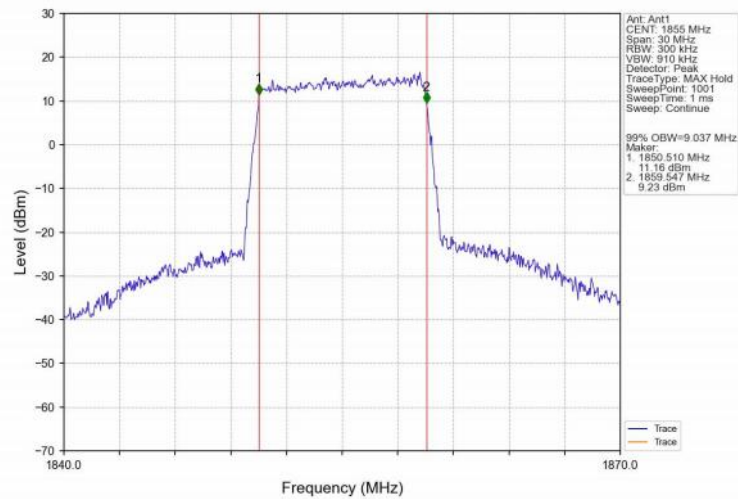
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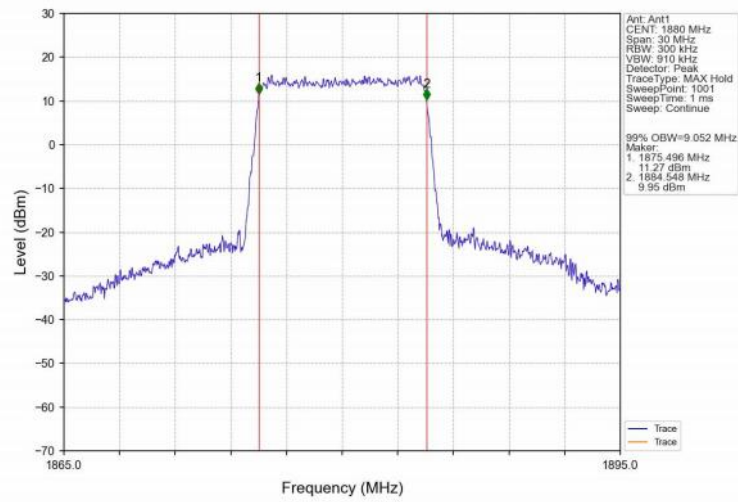
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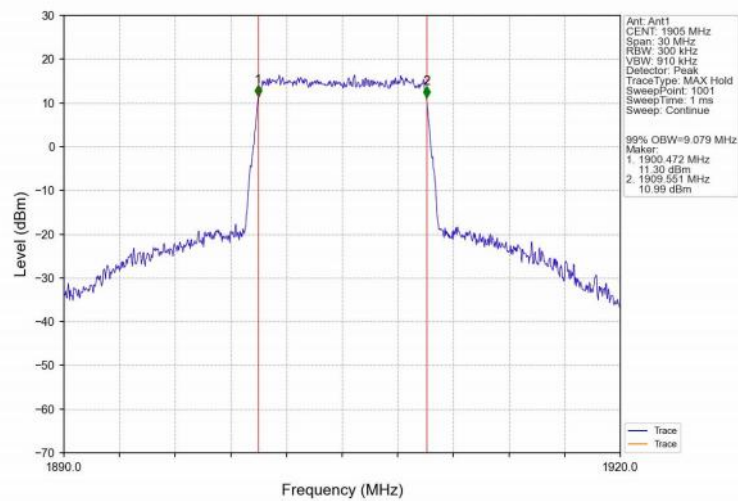
Band2\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV



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

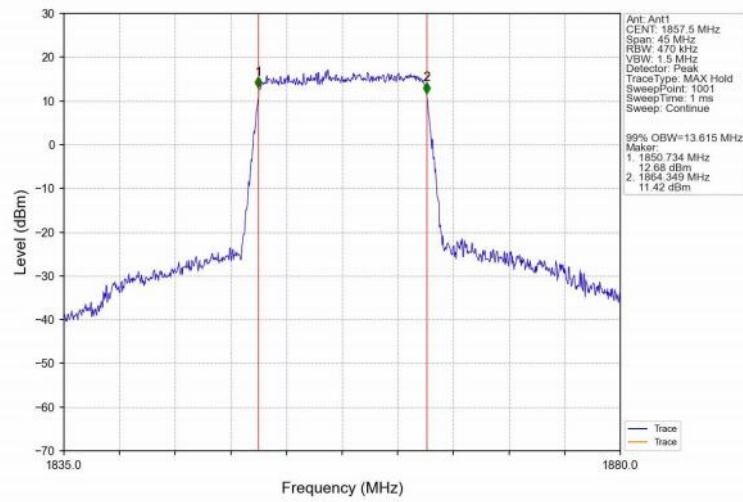


Band2\_10MHz\_16QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV

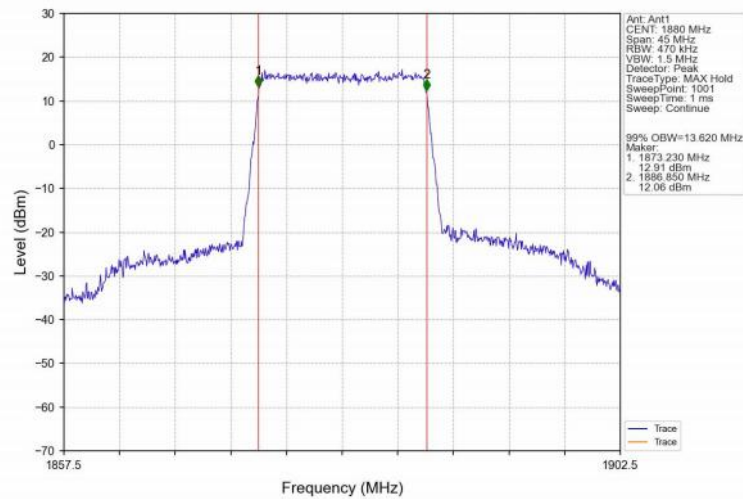




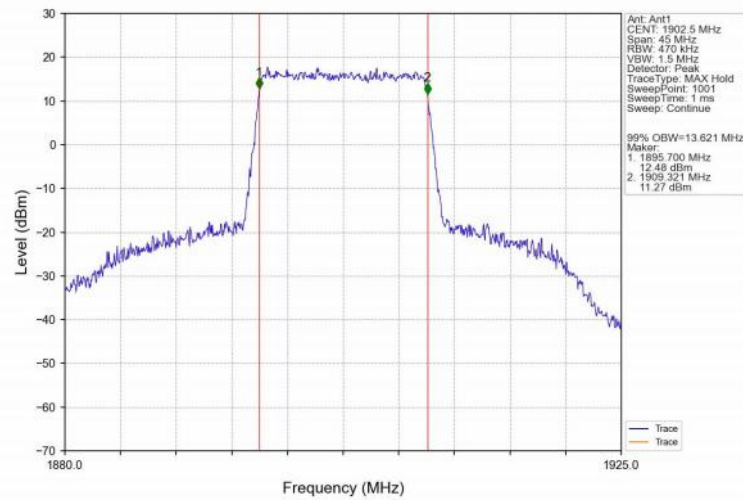
Band2\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



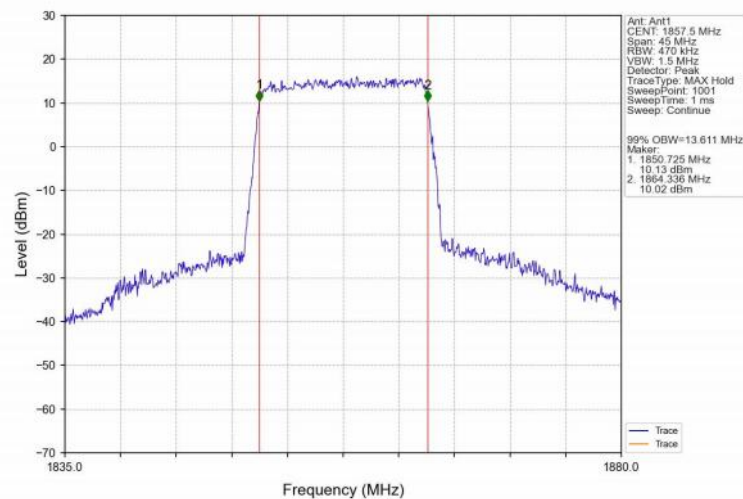
Band2\_15MHz\_QPSK\_MCH\_1880MHz\_RB\_75\_0\_NTNV



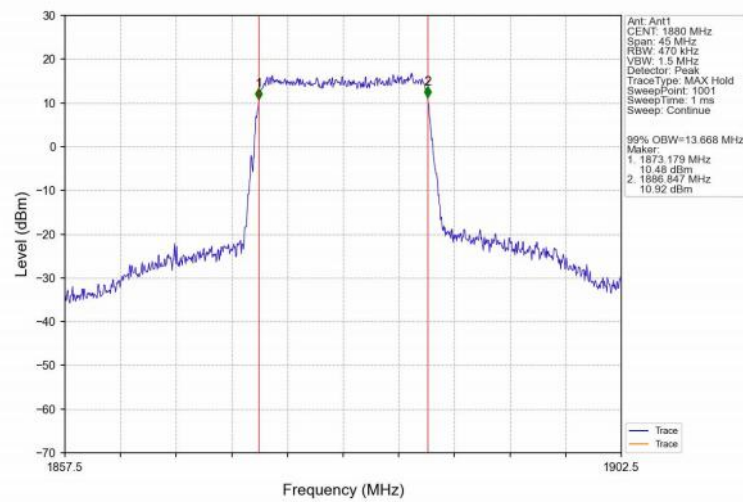
Band2\_15MHz\_QPSK\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



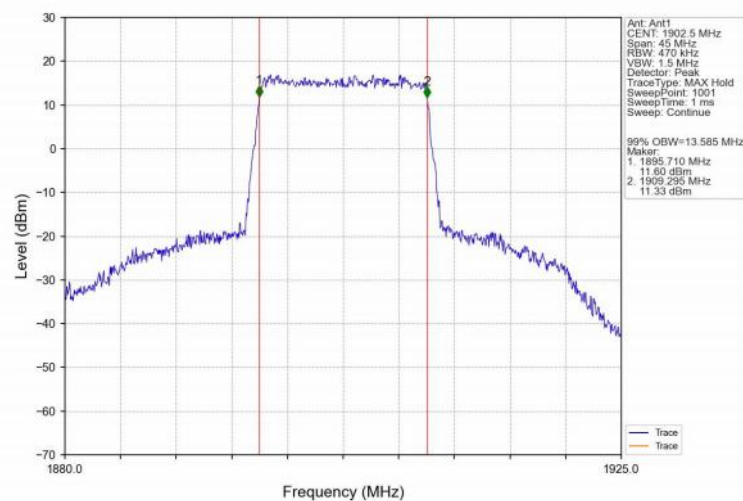
Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



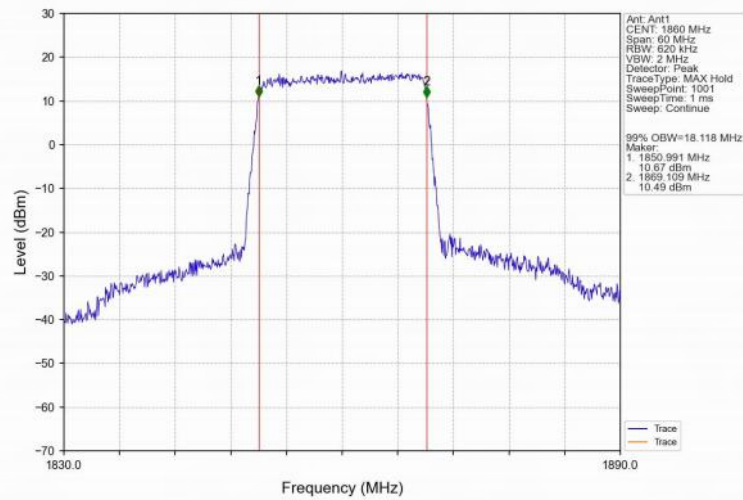
Band2\_15MHz\_16QAM\_MCH\_1880MHz\_RB\_75\_0\_NTNV



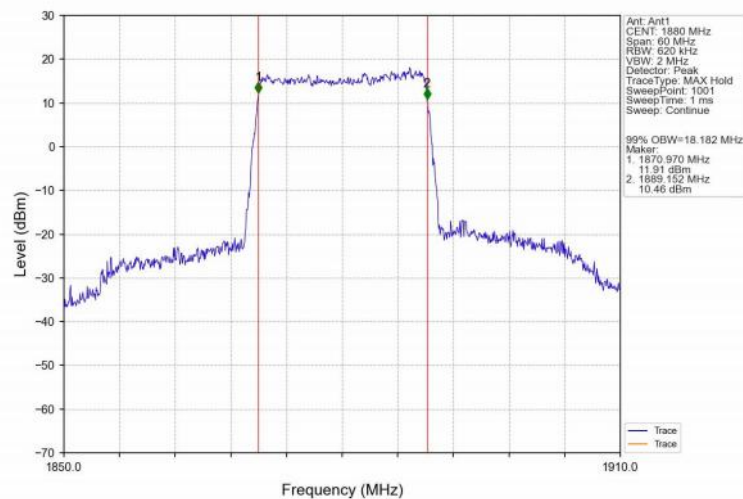
Band2\_15MHz\_16QAM\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



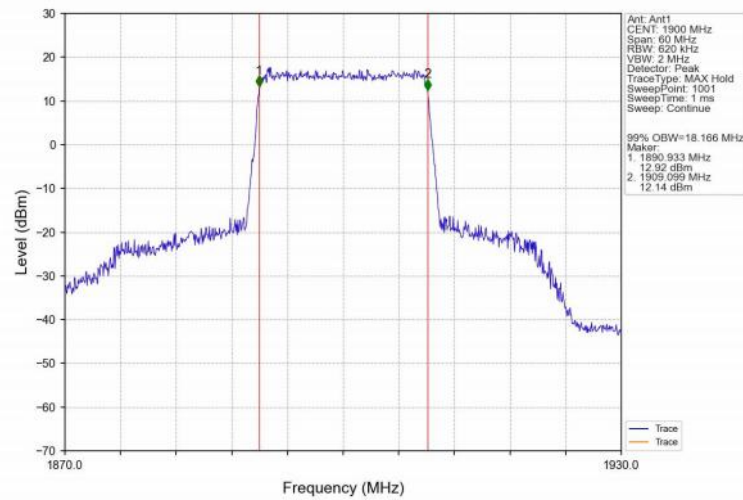
Band2\_20MHz\_QPSK\_LCH\_1860MHz\_RB\_100\_0\_NTNV



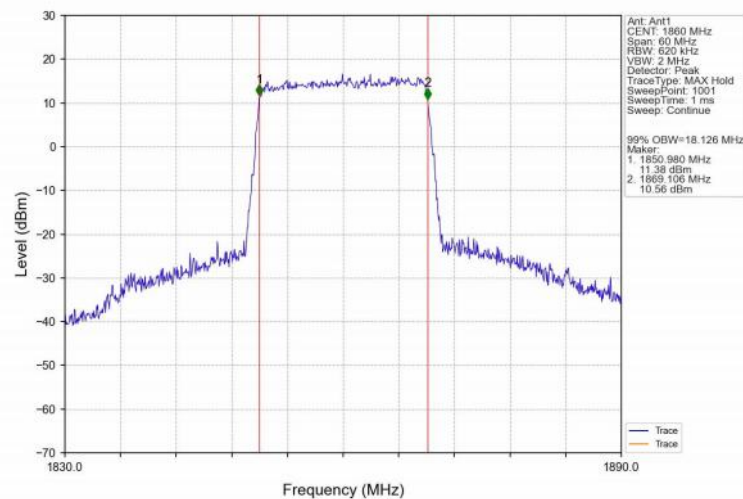
Band2\_20MHz\_QPSK\_MCH\_1880MHz\_RB\_100\_0\_NTNV



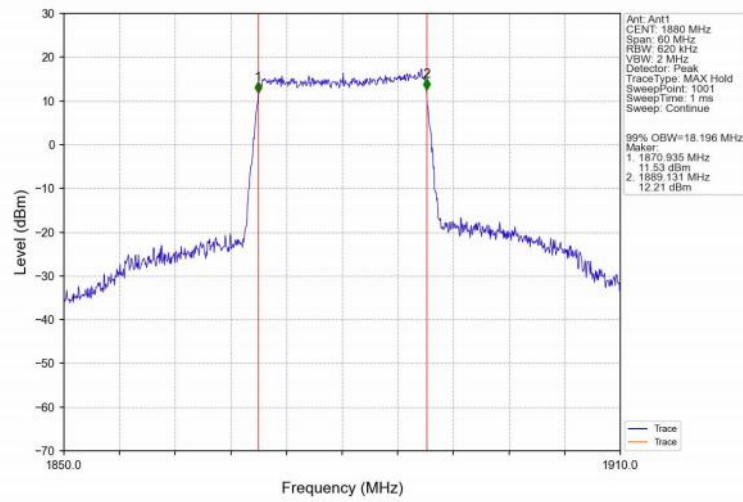
Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



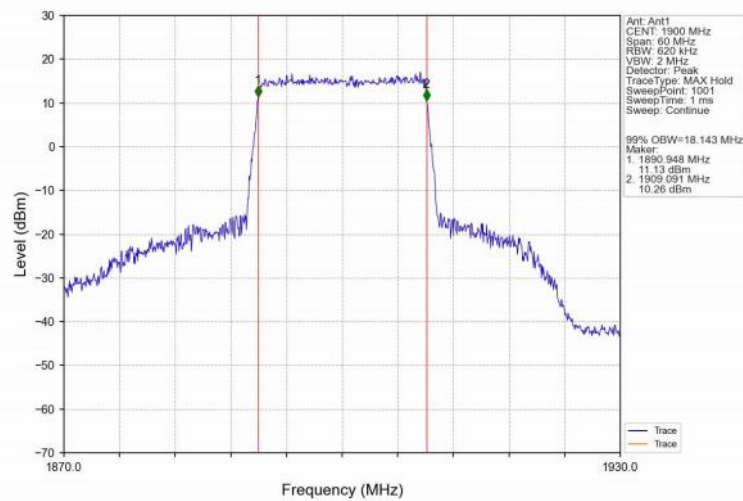
Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV



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



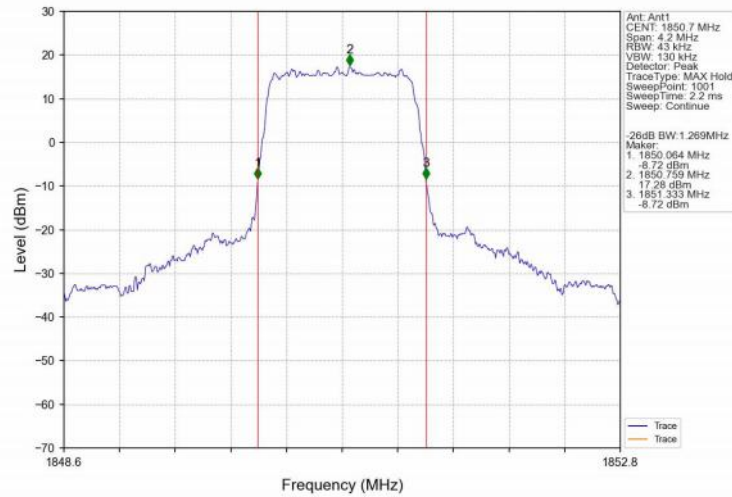
Band2\_20MHz\_16QAM\_HCH\_1900MHz\_RB\_100\_0\_NTNV



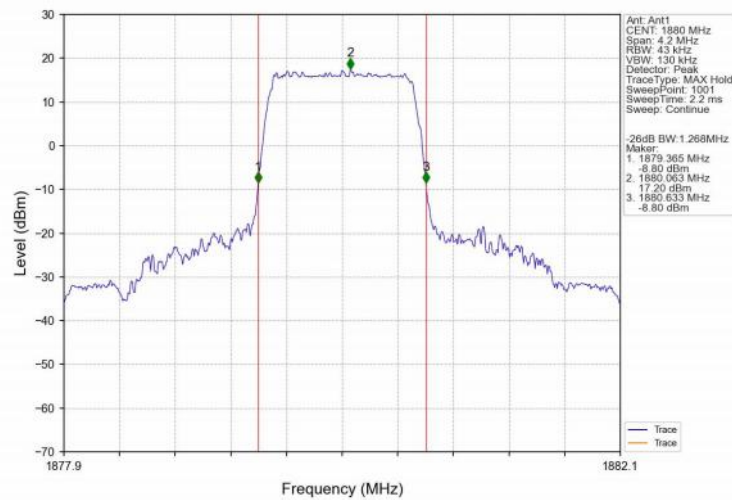


## 4.2.2 Band2\_XDB

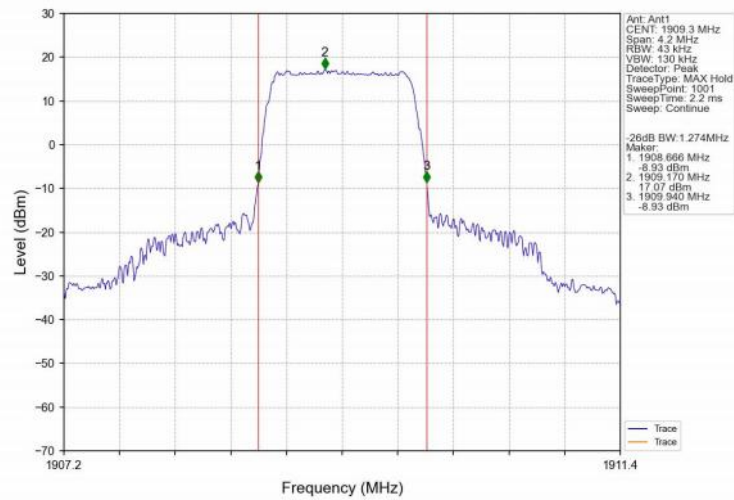
Band2\_1.4MHz\_QPSK\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



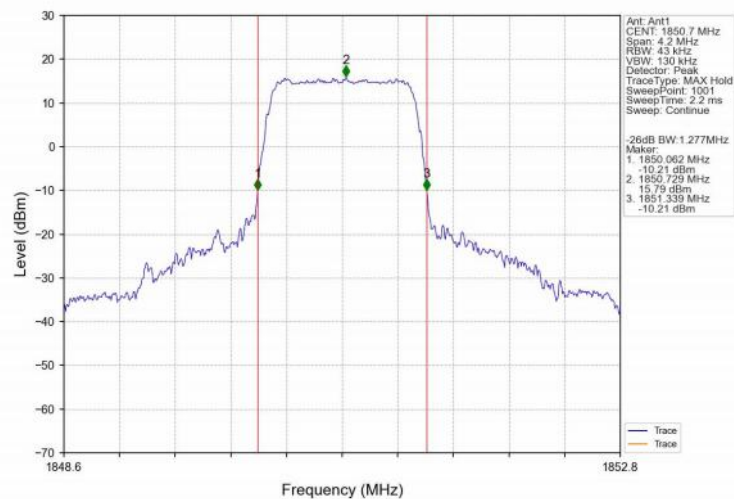
Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_6\_0\_NTNV



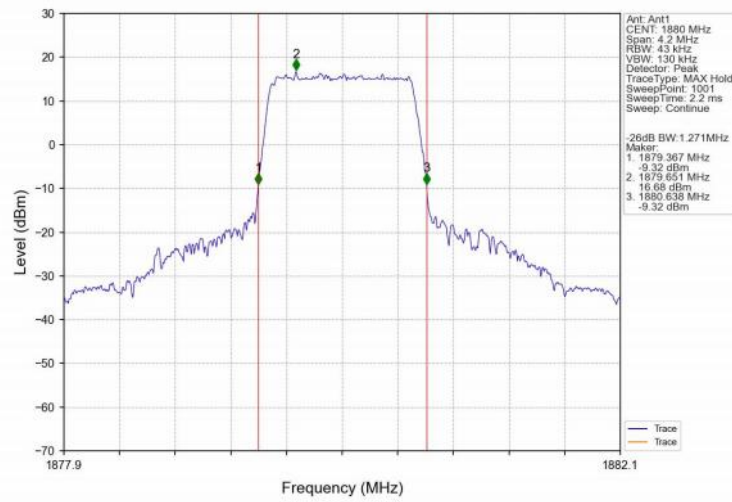
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



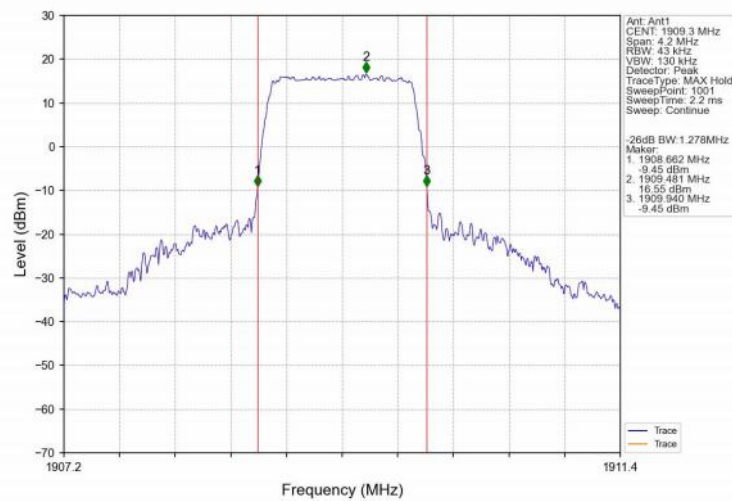
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



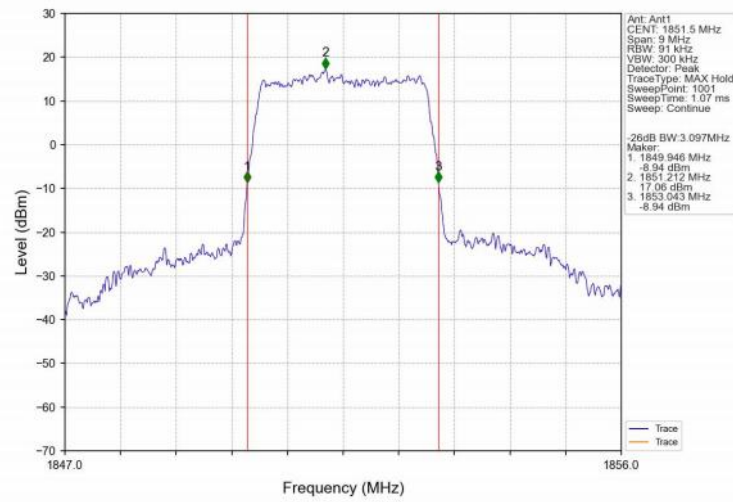
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_6\_0\_NTNV



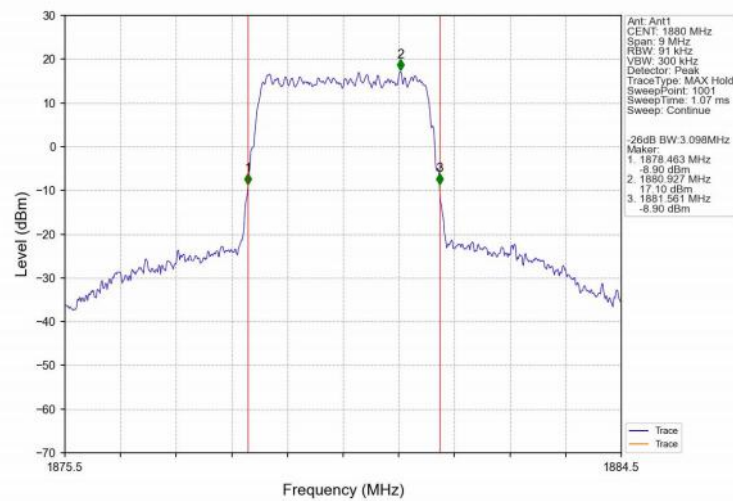
Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



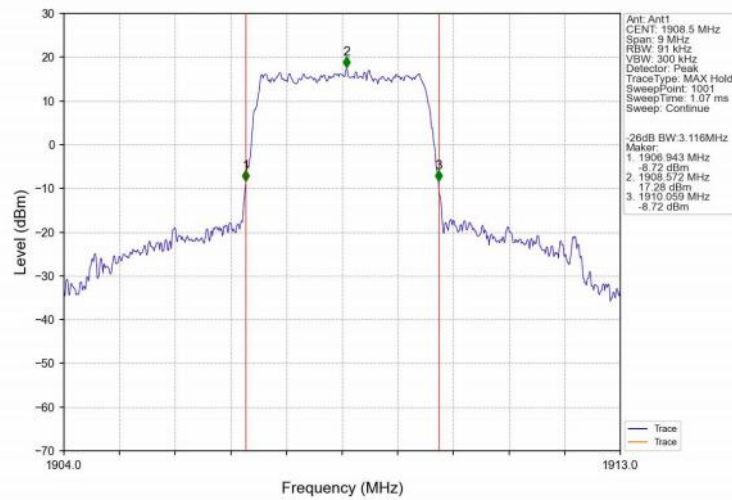
Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



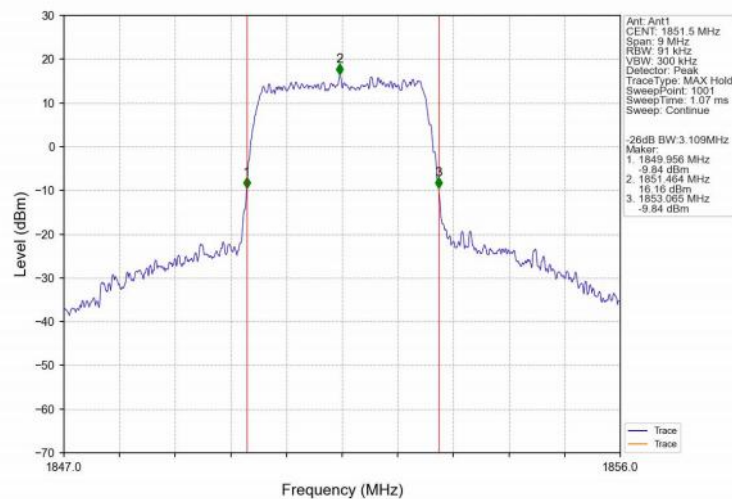
Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_15\_0\_NTNV



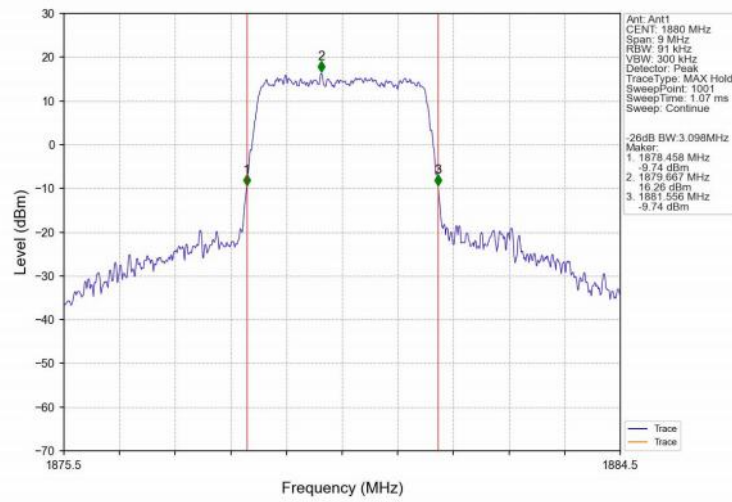
Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



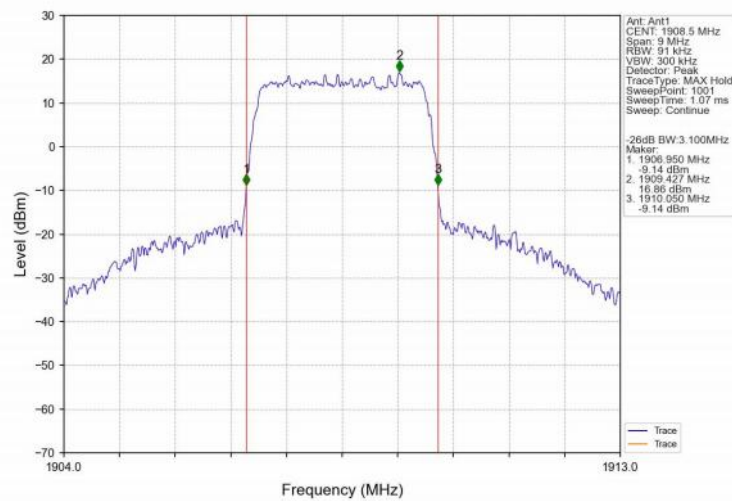
Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



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

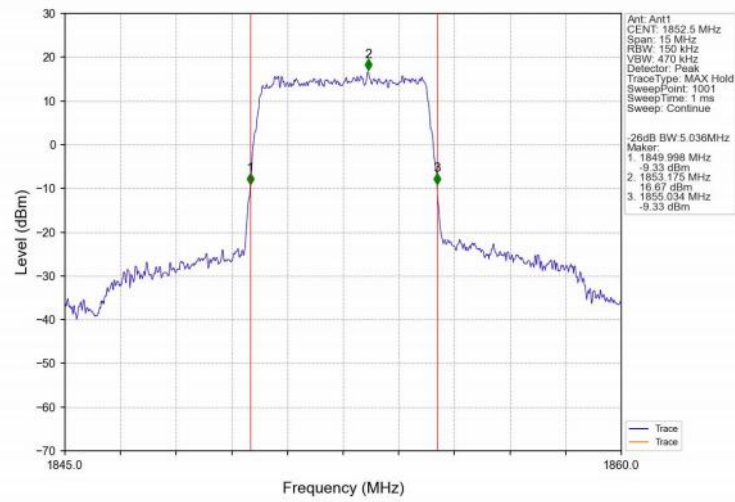


Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV

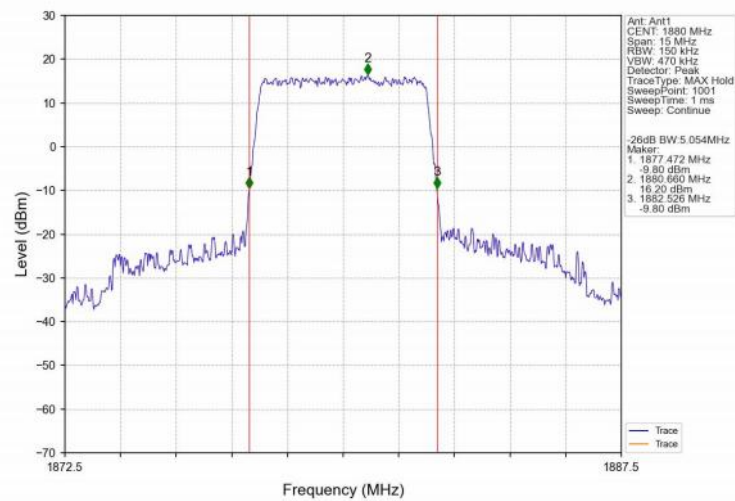




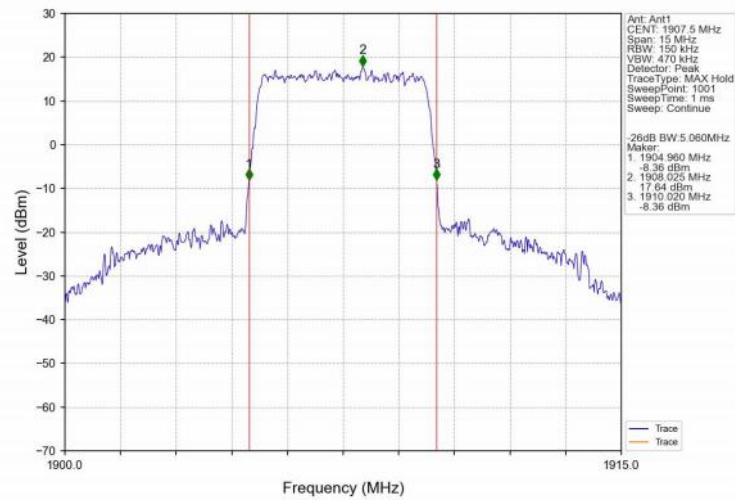
Band2\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



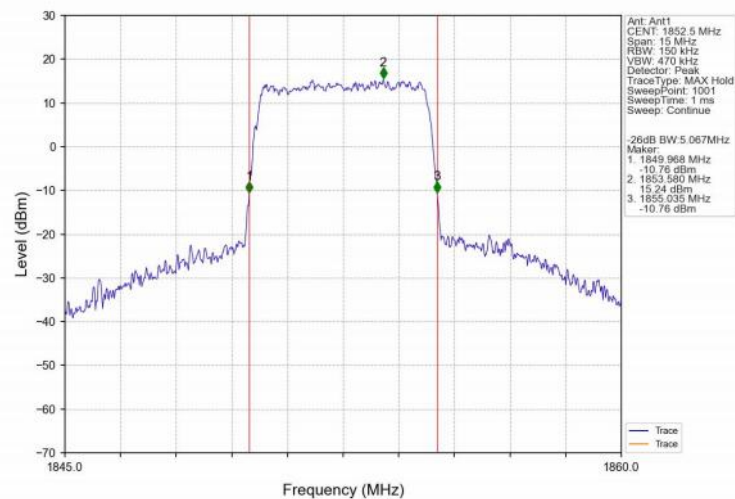
Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_25\_0\_NTNV



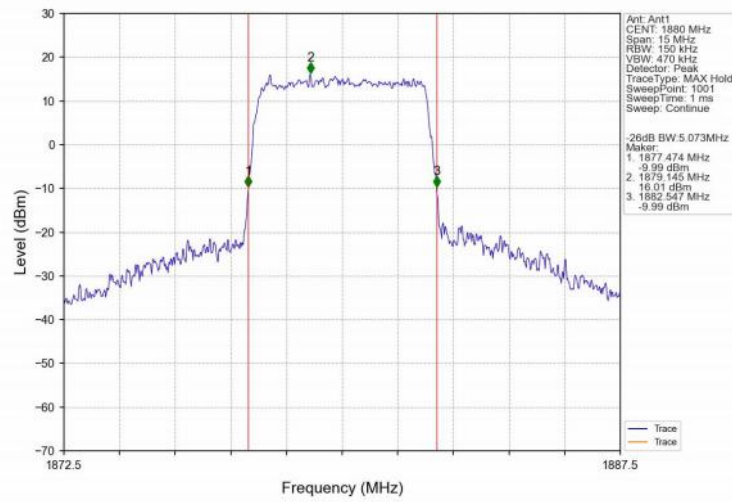
Band2\_5MHz\_QPSK\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



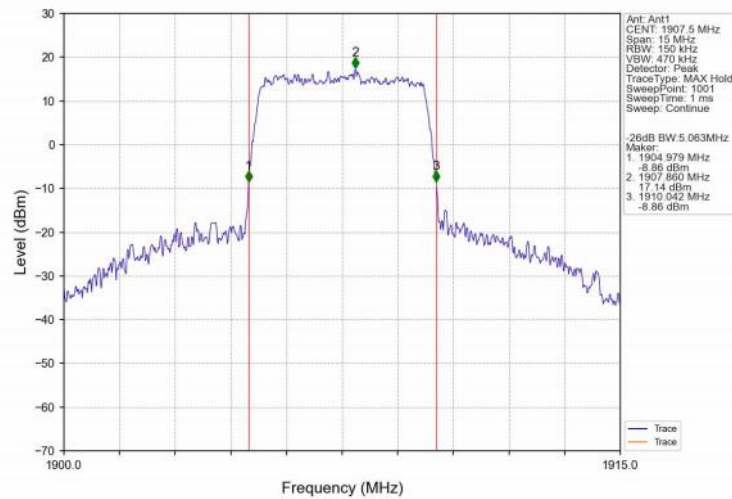
Band2\_5MHz\_16QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



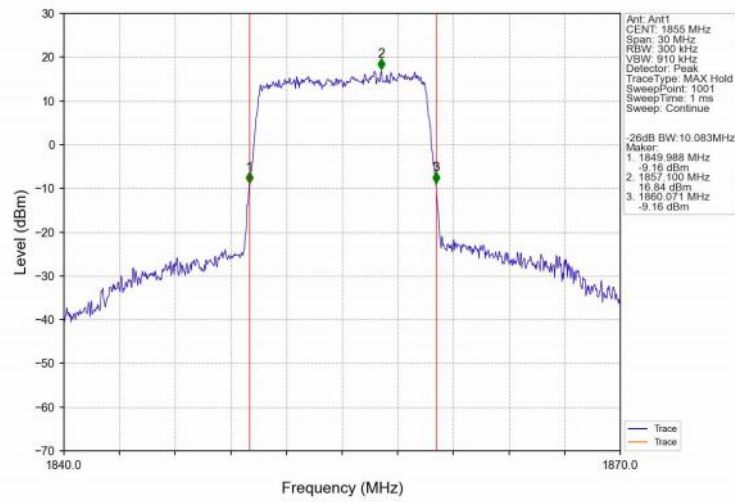
Band2\_5MHz\_16QAM\_MCH\_1880MHz\_RB\_25\_0\_NTNV



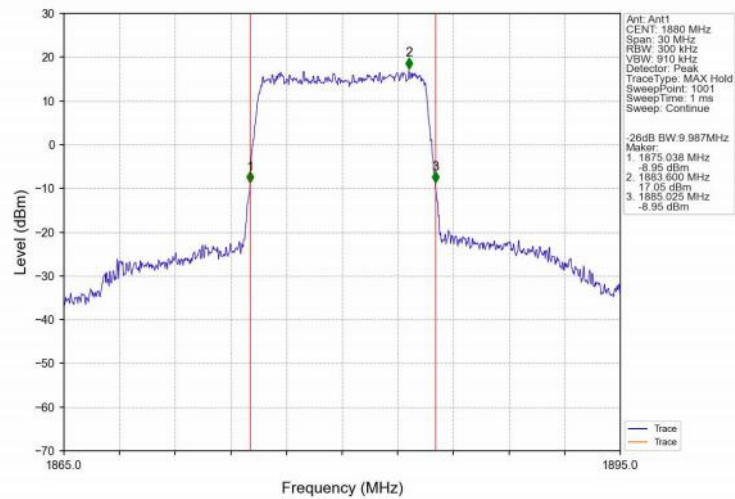
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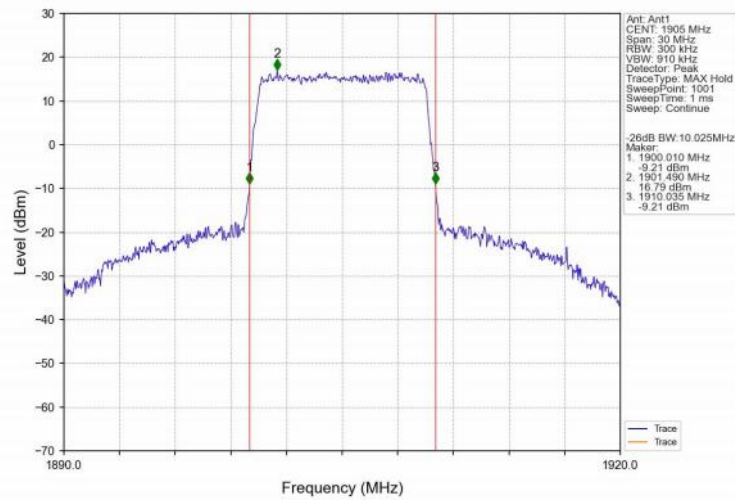
Band2\_10MHz\_QPSK\_LCH\_1855MHz\_RB\_50\_0\_NTNV



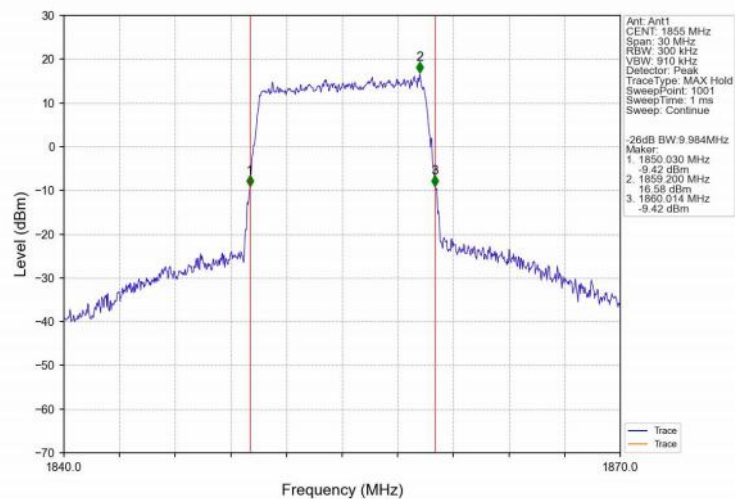
Band2\_10MHz\_QPSK\_MCH\_1880MHz\_RB\_50\_0\_NTNV



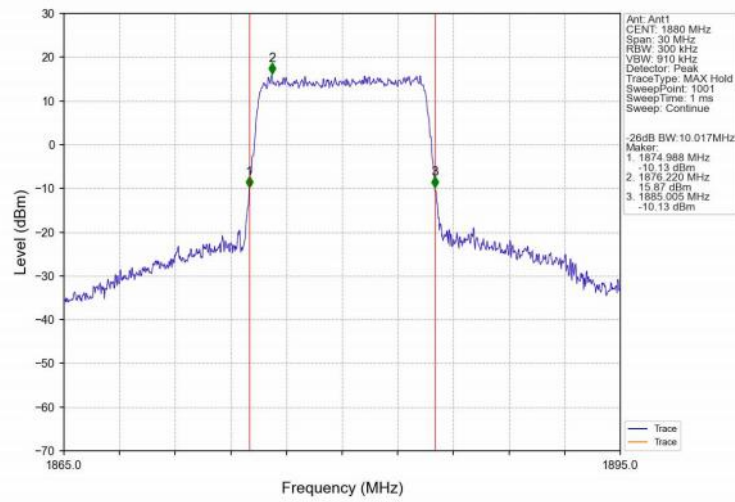
Band2\_10MHz\_QPSK\_HCH\_1905MHz\_RB\_50\_0\_NTNV



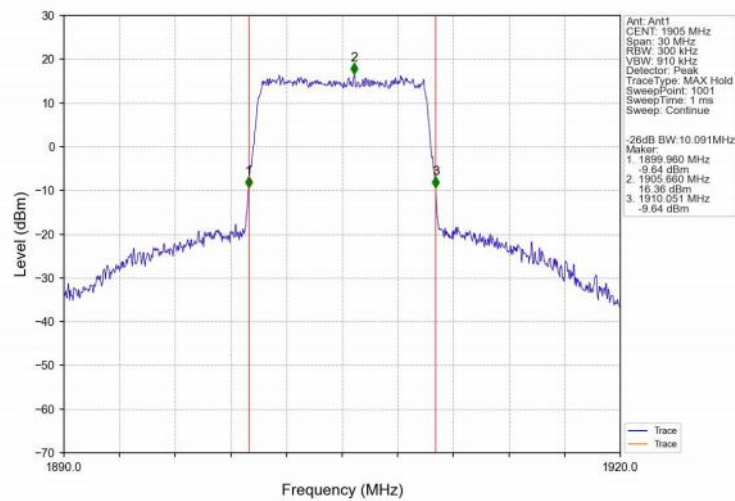
Band2\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV



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

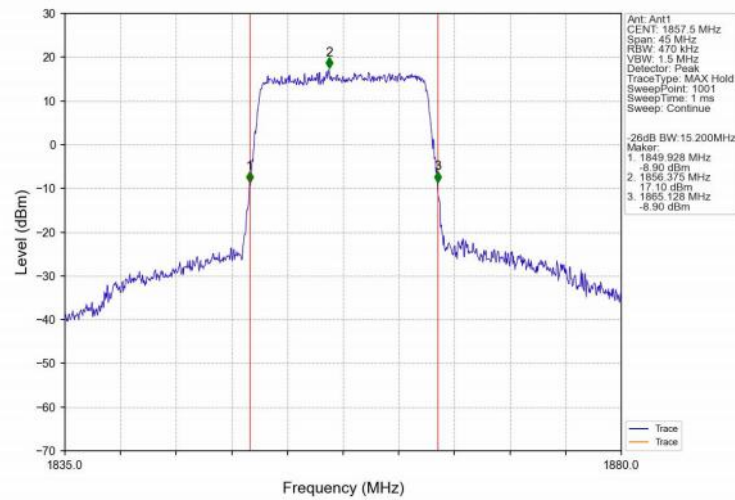


Band2\_10MHz\_16QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV

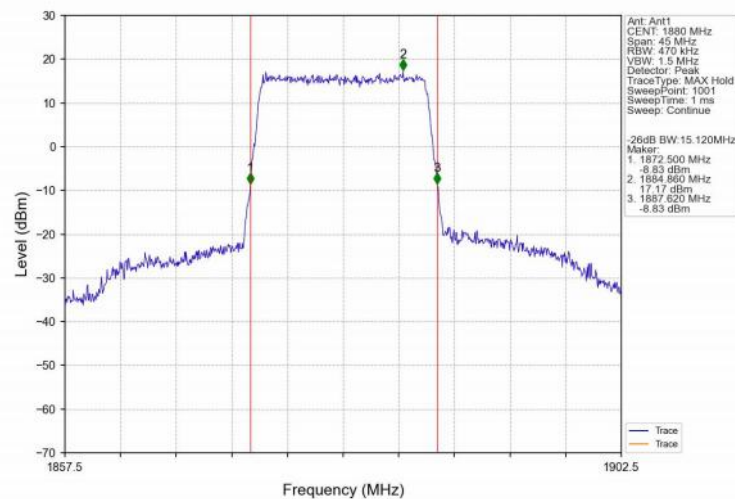




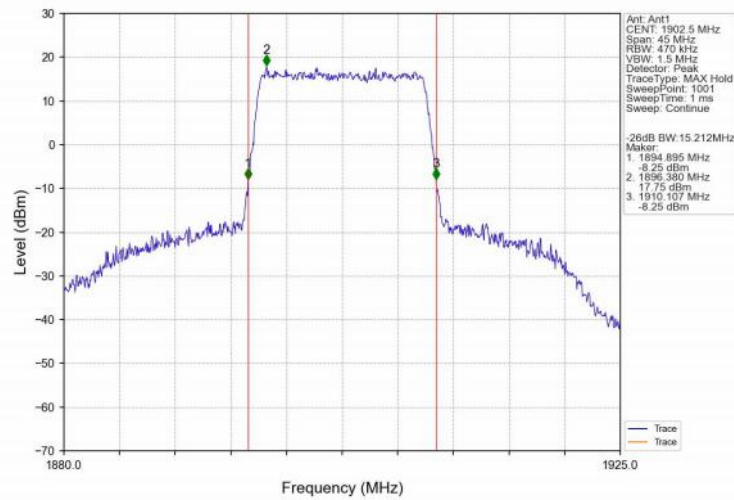
Band2\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



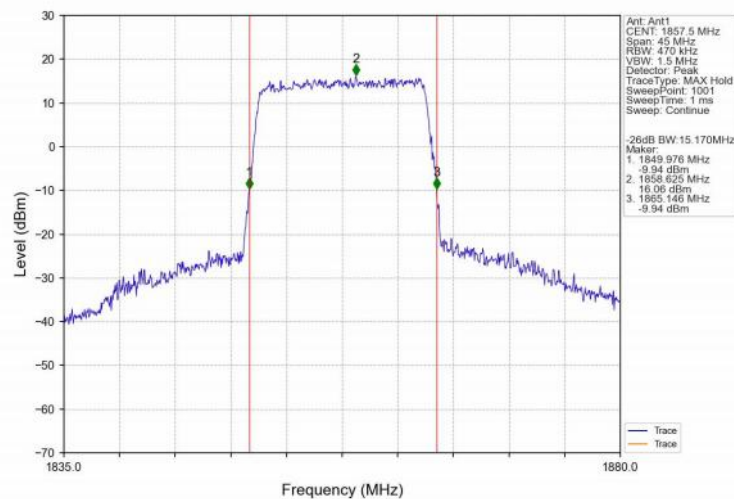
Band2\_15MHz\_QPSK\_MCH\_1880MHz\_RB\_75\_0\_NTNV



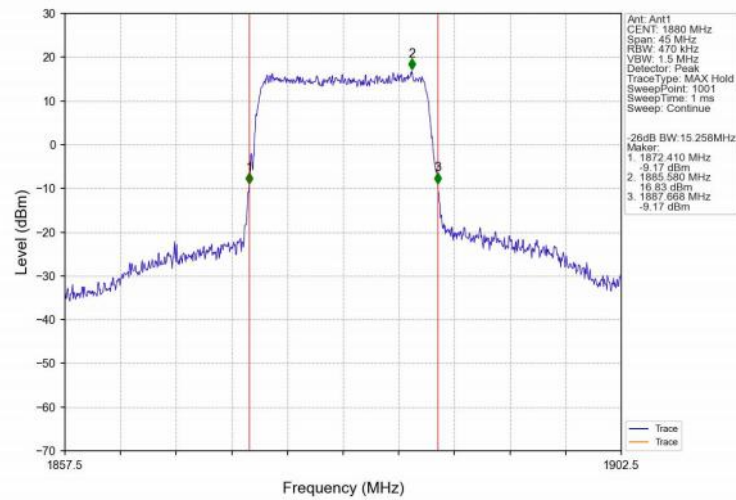
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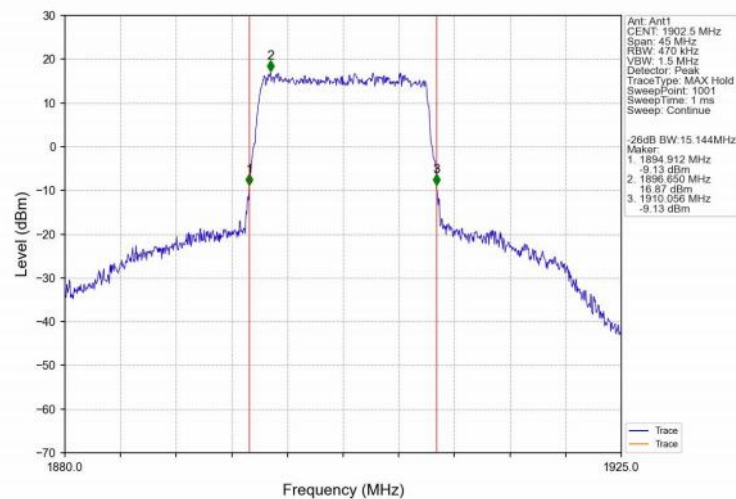
Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



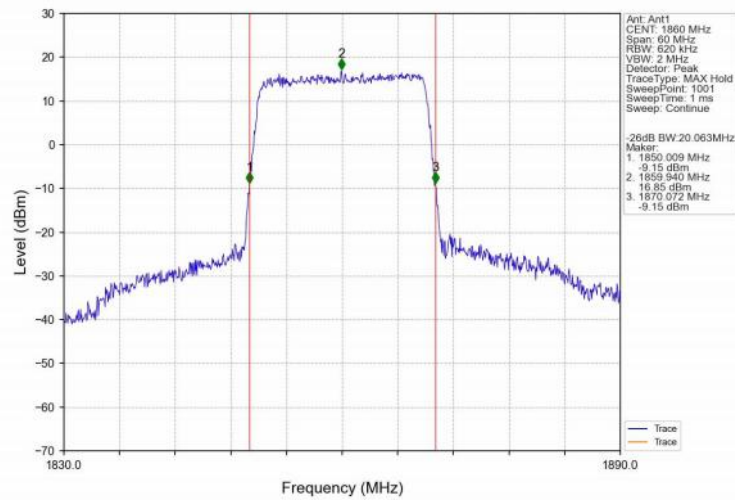
Band2\_15MHz\_16QAM\_MCH\_1880MHz\_RB\_75\_0\_NTNV



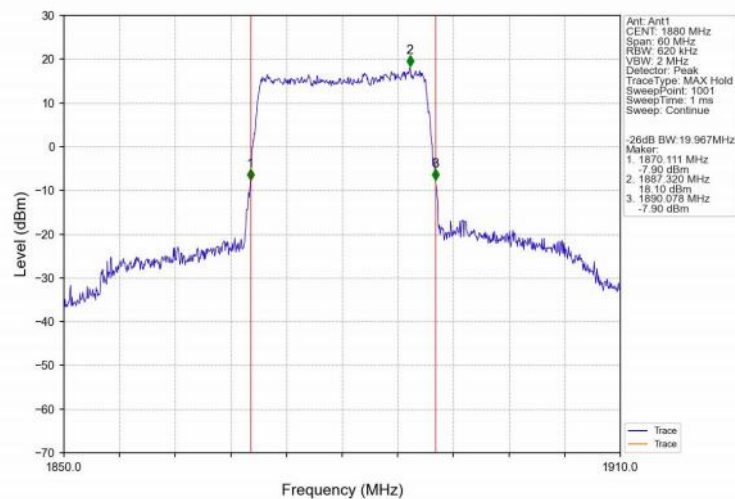
Band2\_15MHz\_16QAM\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



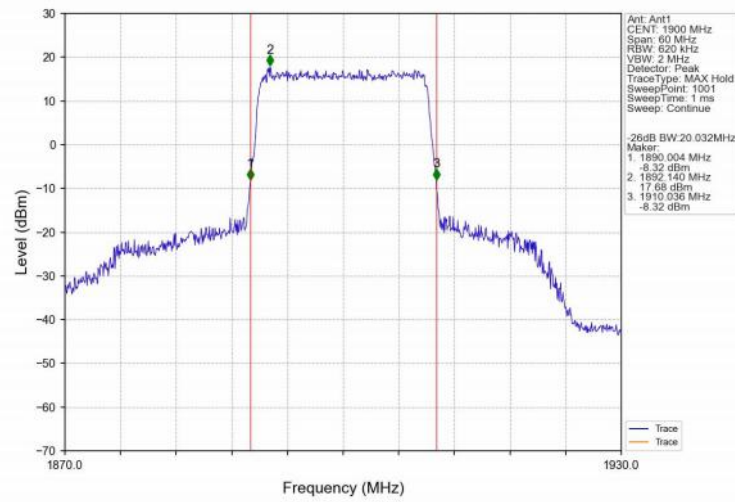
Band2\_20MHz\_QPSK\_LCH\_1860MHz\_RB\_100\_0\_NTNV



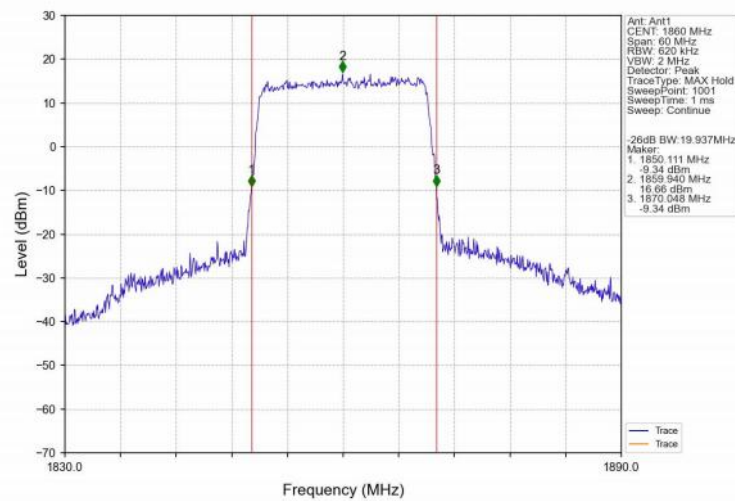
Band2\_20MHz\_QPSK\_MCH\_1880MHz\_RB\_100\_0\_NTNV



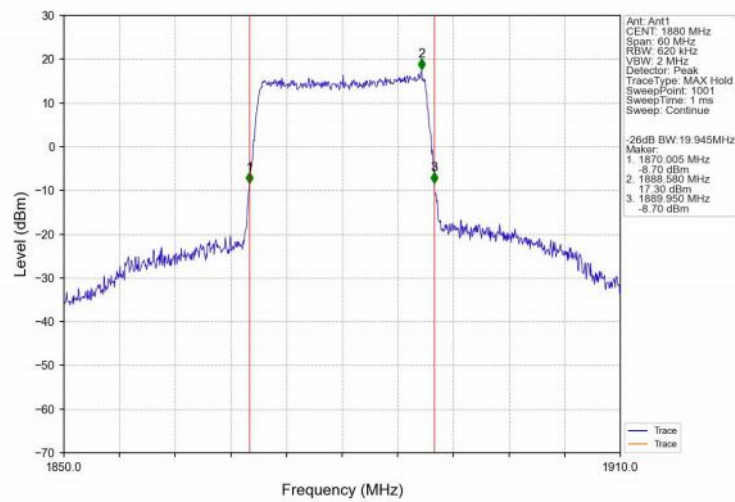
Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



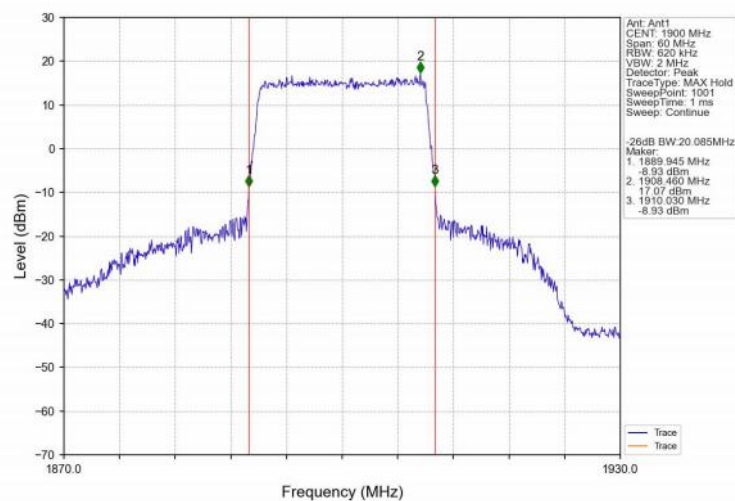
Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV



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



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





## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 B2\_1.4MHz

| Band: 2 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 1850.7          | 6             | 0      | 5.42                    | <=13  | Pass    |
|                                    | 1880            | 6             | 0      | 5.47                    | <=13  | Pass    |
|                                    | 1909.3          | 6             | 0      | 5.13                    | <=13  | Pass    |
| 16QAM                              | 1850.7          | 6             | 0      | 6.14                    | <=13  | Pass    |
|                                    | 1880            | 6             | 0      | 6.33                    | <=13  | Pass    |
|                                    | 1909.3          | 6             | 0      | 5.88                    | <=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      | 5.45                    | <=13  | Pass    |
|                                  | 1880            | 15            | 0      | 5.47                    | <=13  | Pass    |
|                                  | 1908.5          | 15            | 0      | 5.20                    | <=13  | Pass    |
| 16QAM                            | 1851.5          | 15            | 0      | 6.21                    | <=13  | Pass    |
|                                  | 1880            | 15            | 0      | 6.29                    | <=13  | Pass    |
|                                  | 1908.5          | 15            | 0      | 5.98                    | <=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      | 5.59                    | <=13  | Pass    |
|                                  | 1880            | 25            | 0      | 5.58                    | <=13  | Pass    |
|                                  | 1907.5          | 25            | 0      | 5.36                    | <=13  | Pass    |
| 16QAM                            | 1852.5          | 25            | 0      | 6.26                    | <=13  | Pass    |
|                                  | 1880            | 25            | 0      | 6.32                    | <=13  | Pass    |
|                                  | 1907.5          | 25            | 0      | 6.06                    | <=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      | 5.53                    | <=13  | Pass    |
|                                   | 1880            | 50            | 0      | 5.62                    | <=13  | Pass    |
|                                   | 1905            | 50            | 0      | 5.40                    | <=13  | Pass    |
| 16QAM                             | 1855            | 50            | 0      | 6.32                    | <=13  | Pass    |
|                                   | 1880            | 50            | 0      | 6.38                    | <=13  | Pass    |
|                                   | 1905            | 50            | 0      | 6.09                    | <=13  | Pass    |

#### 5.1.5 B2\_15MHz

| Band: 2 / Bandwidth: 15MHz / NTNV |           |               |  |                         |  |         |
|-----------------------------------|-----------|---------------|--|-------------------------|--|---------|
| Modulation                        | Frequency | RB Allocation |  | Peak-Average Ratio (dB) |  | Verdict |

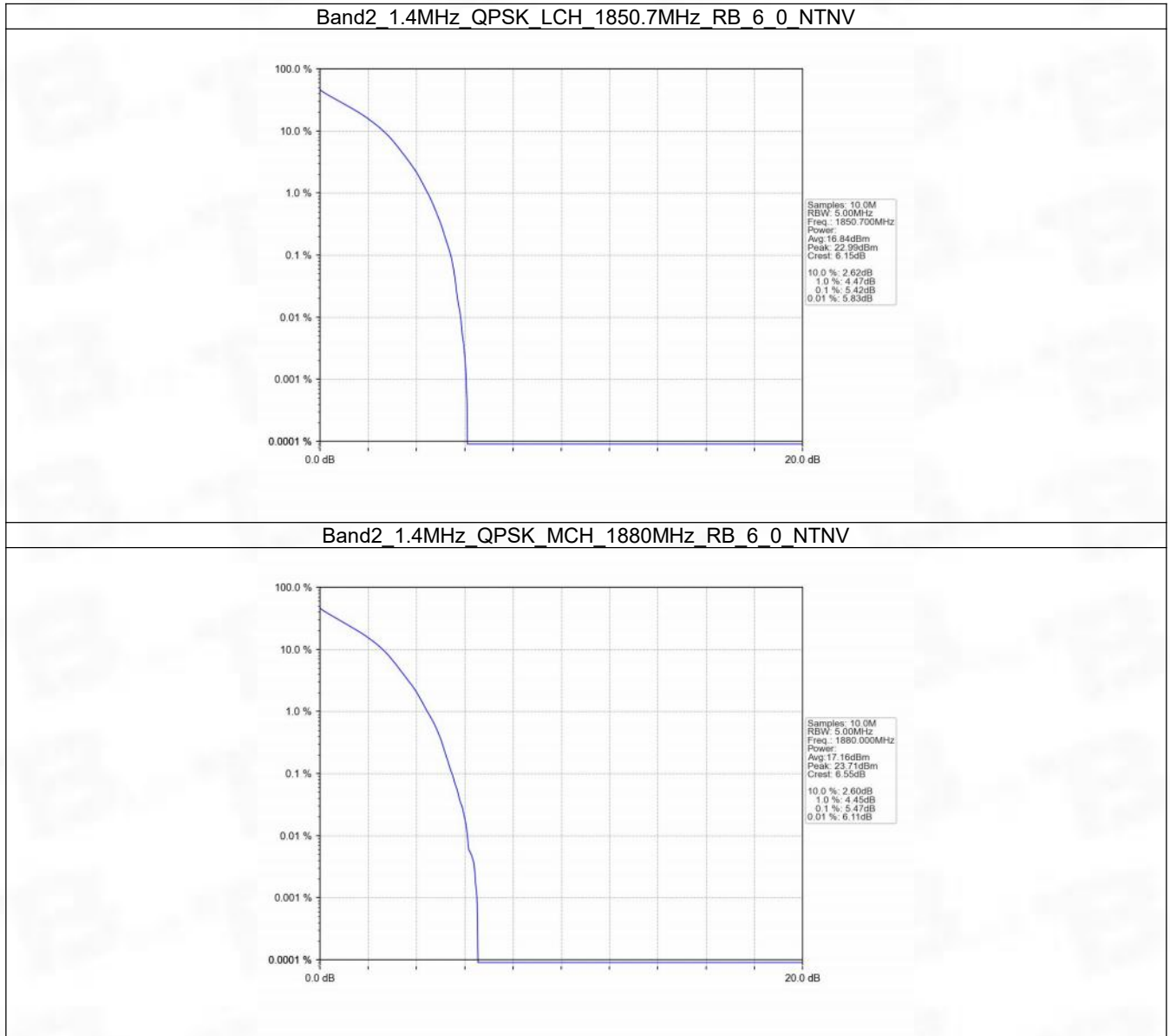
|       | (MHz)  | Size | Offset | Result | Limit |      |
|-------|--------|------|--------|--------|-------|------|
| QPSK  | 1857.5 | 75   | 0      | 4.82   | <=13  | Pass |
|       | 1880   | 75   | 0      | 4.82   | <=13  | Pass |
|       | 1902.5 | 75   | 0      | 4.84   | <=13  | Pass |
| 16QAM | 1857.5 | 75   | 0      | 6.14   | <=13  | Pass |
|       | 1880   | 75   | 0      | 6.20   | <=13  | Pass |
|       | 1902.5 | 75   | 0      | 6.09   | <=13  | Pass |

## 5.1.6 B2\_20MHz

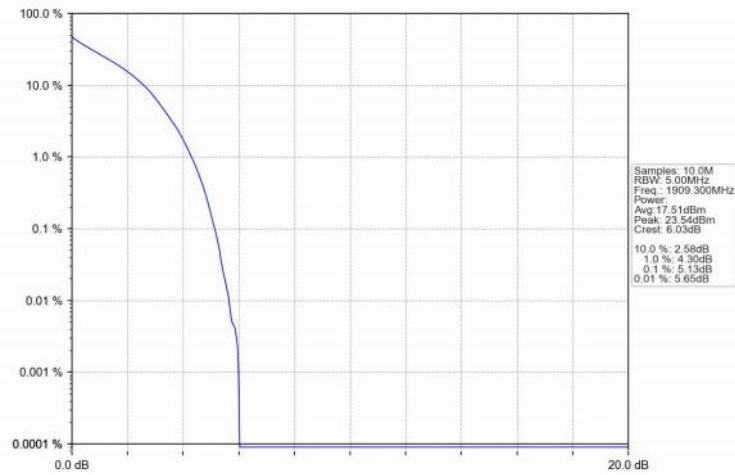
| Band: 2 / Bandwidth: 20MHz / NTN |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 1860            | 100           | 0      | 5.64                    | <=13  | Pass    |
|                                  | 1880            | 100           | 0      | 5.66                    | <=13  | Pass    |
|                                  | 1900            | 100           | 0      | 5.59                    | <=13  | Pass    |
| 16QAM                            | 1860            | 100           | 0      | 6.69                    | <=13  | Pass    |
|                                  | 1880            | 100           | 0      | 6.71                    | <=13  | Pass    |
|                                  | 1900            | 100           | 0      | 6.69                    | <=13  | Pass    |

## 5.2 Test Graph

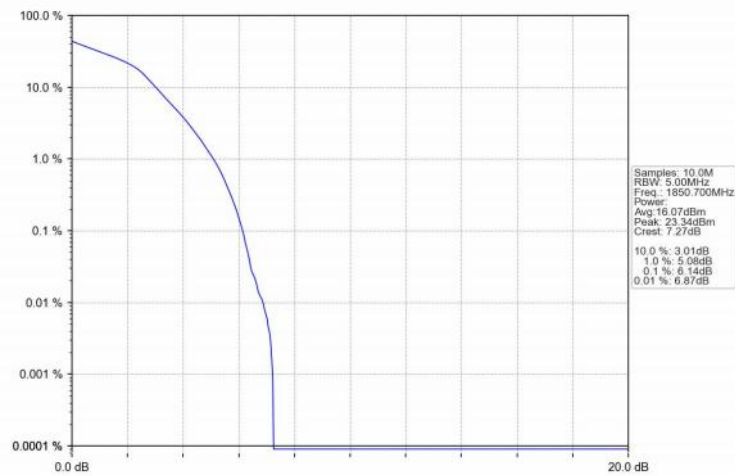
### 5.2.1 B2\_1.4MHz



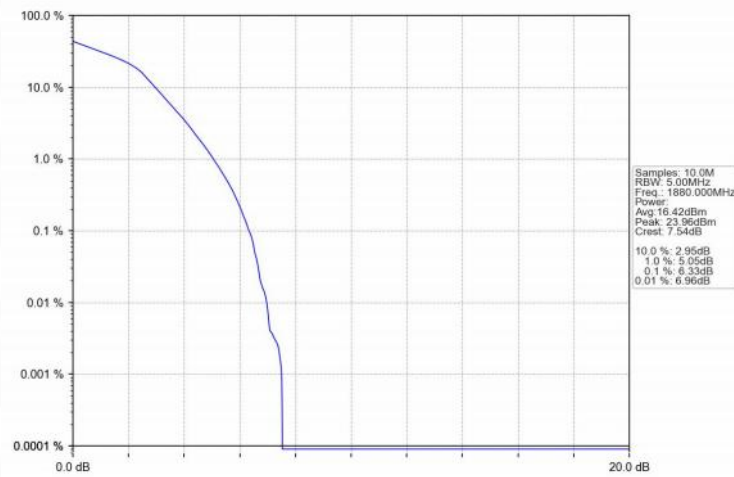
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



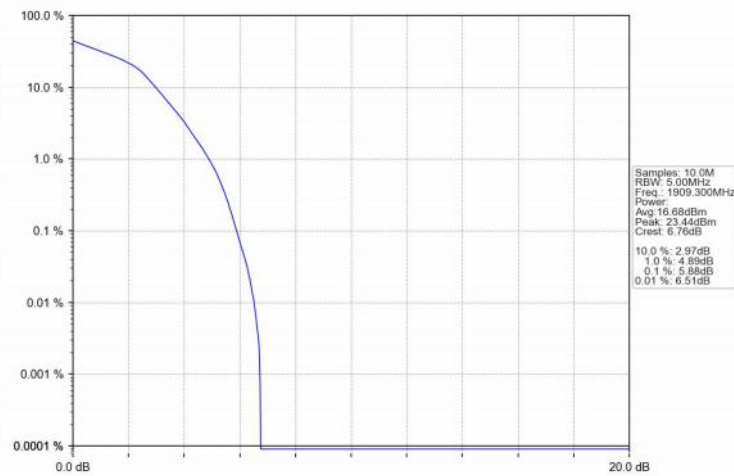
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



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

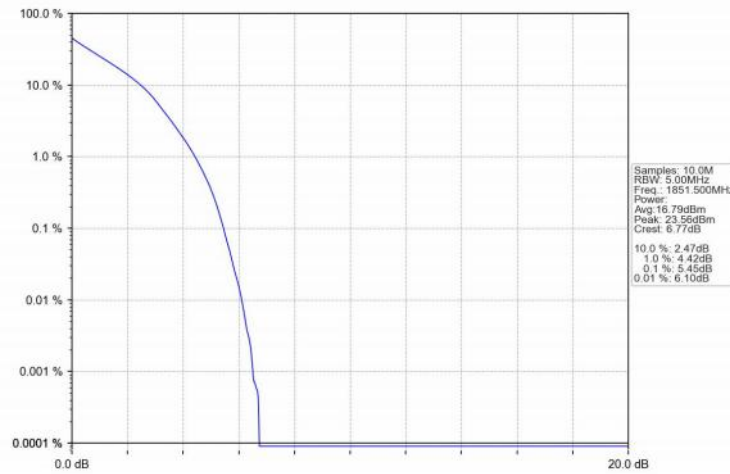


Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV

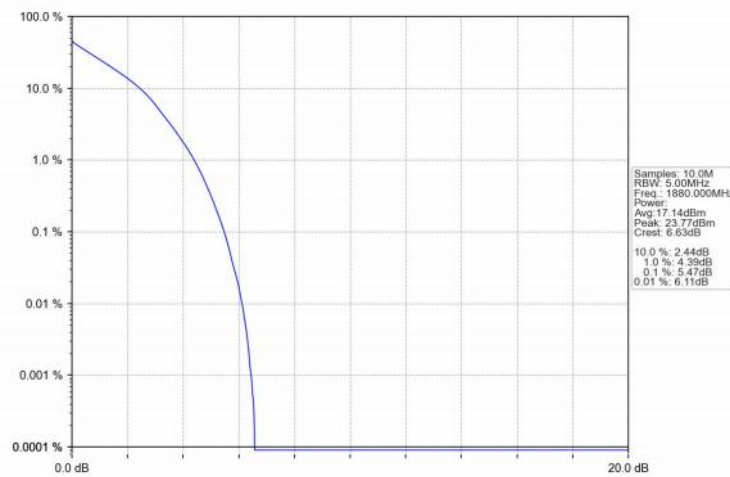


### 5.2.2 B2\_3MHz

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

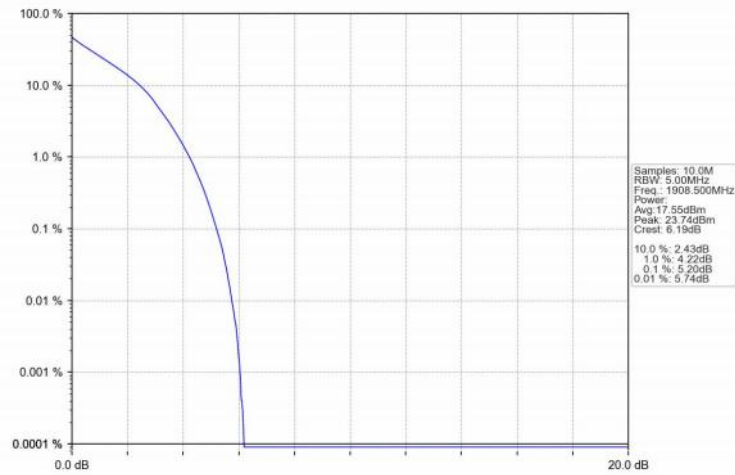


Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_15\_0\_NTNV

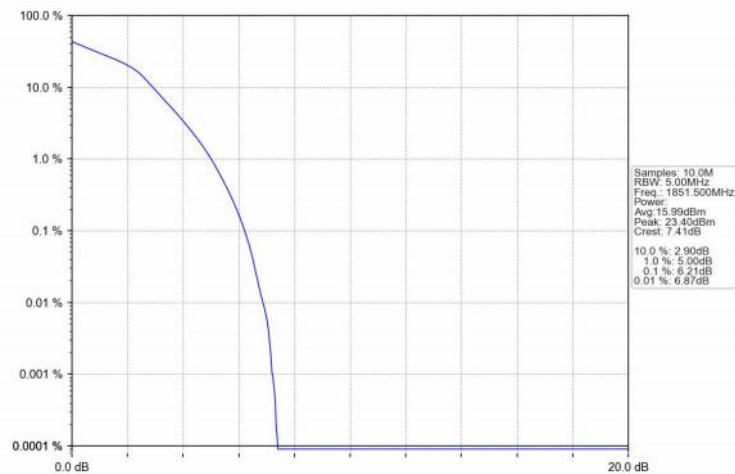




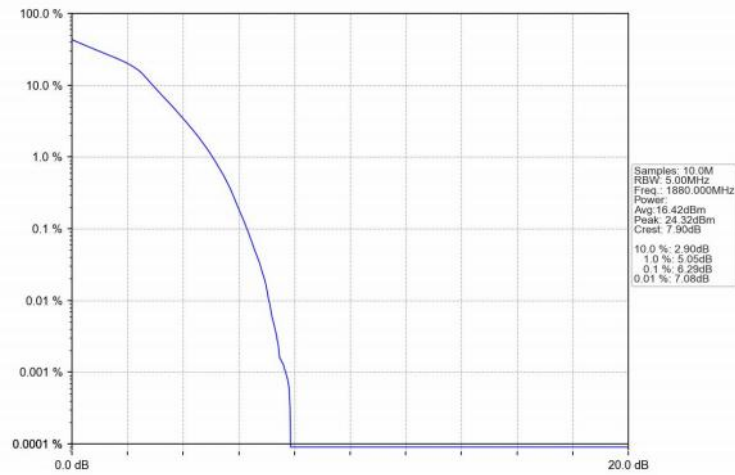
Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



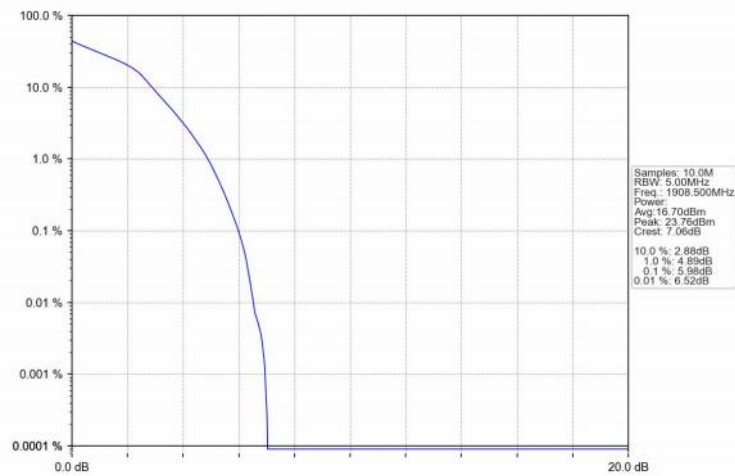
Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



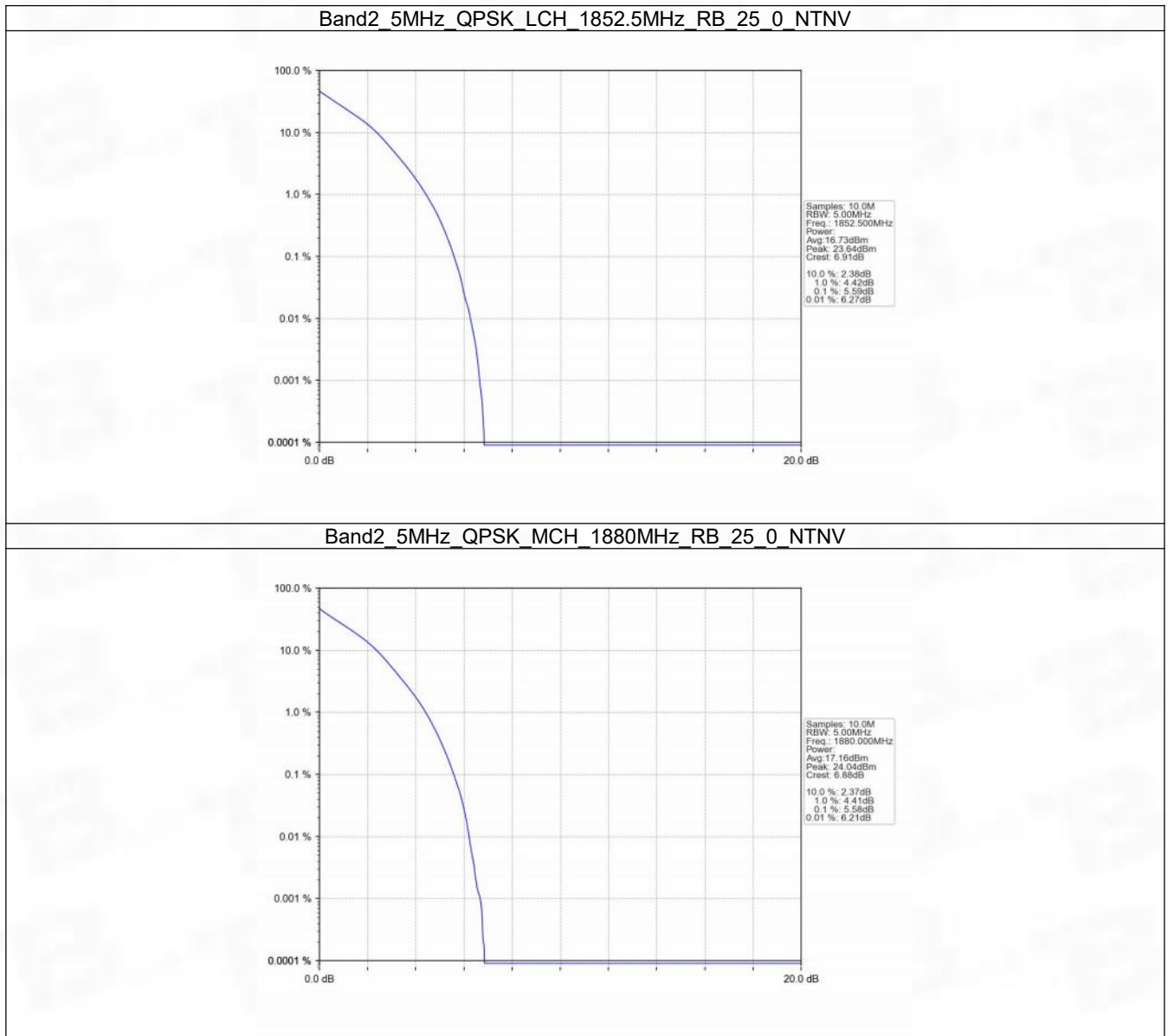
Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_15\_0\_NTNV



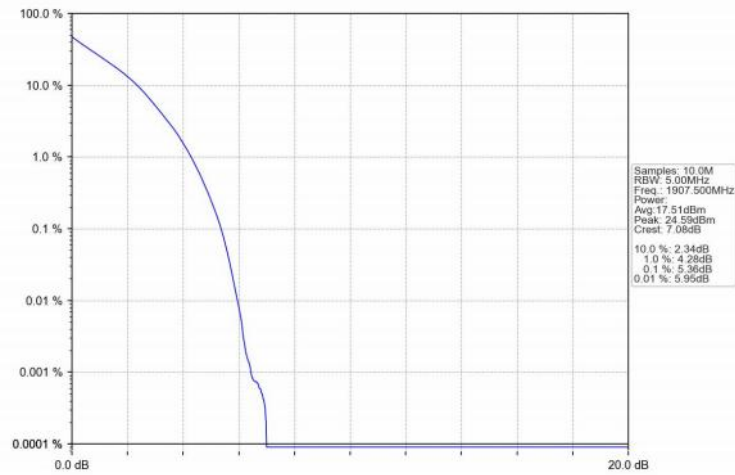
Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



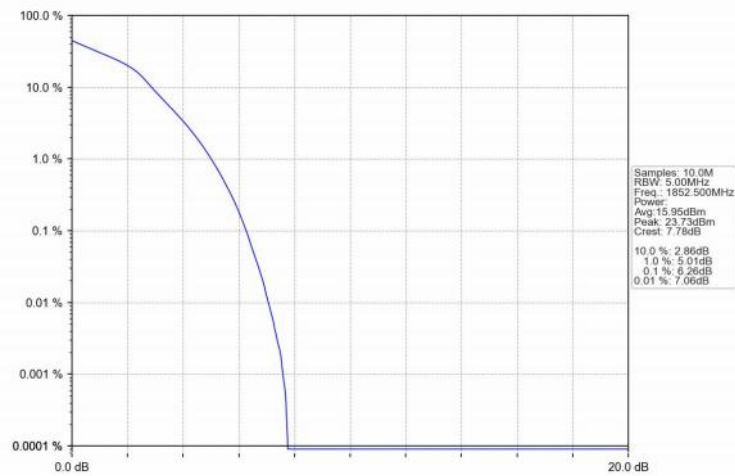
### 5.2.3 B2\_5MHz



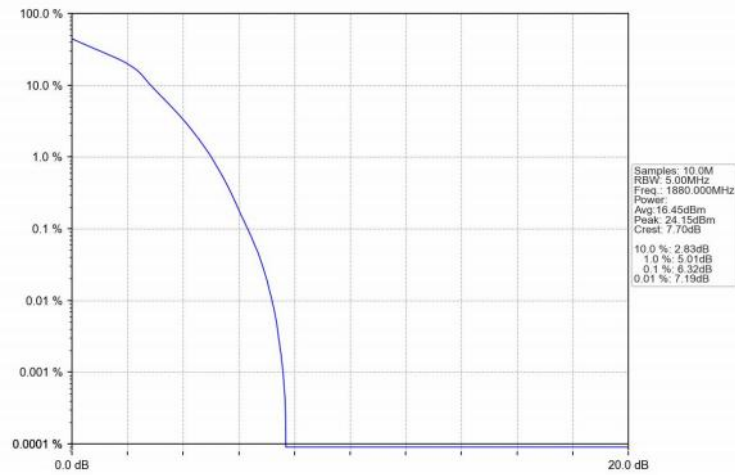
Band2\_5MHz\_QPSK\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



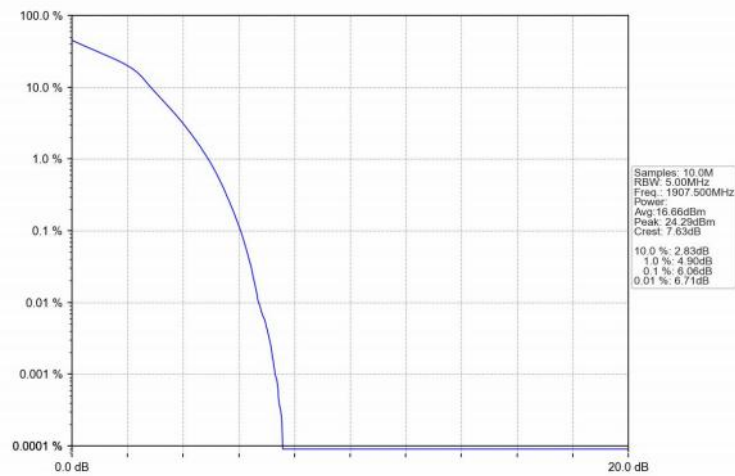
Band2\_5MHz\_16QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



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

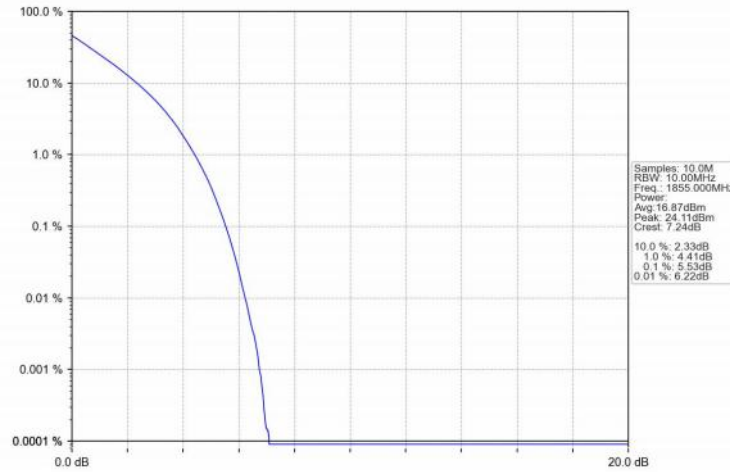


Band2\_5MHz\_16QAM\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV

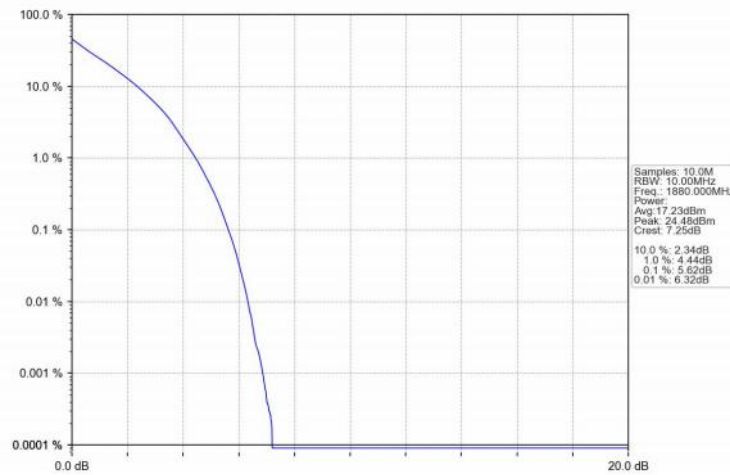


## 5.2.4 B2\_10MHz

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

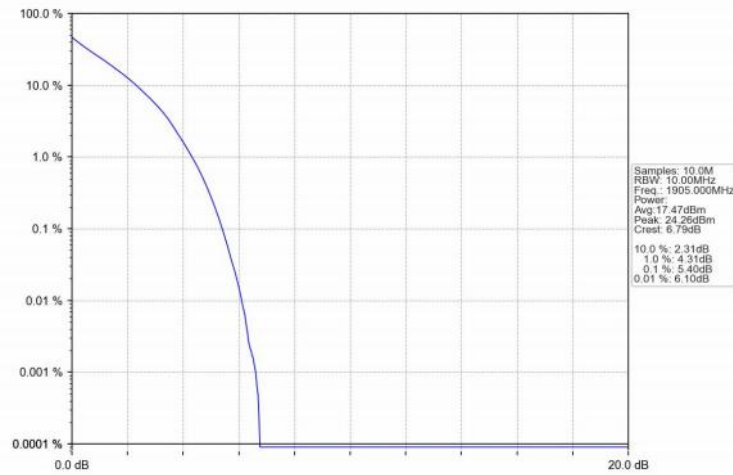


Band2\_10MHz\_QPSK\_MCH\_1880MHz\_RB\_50\_0\_NTNV

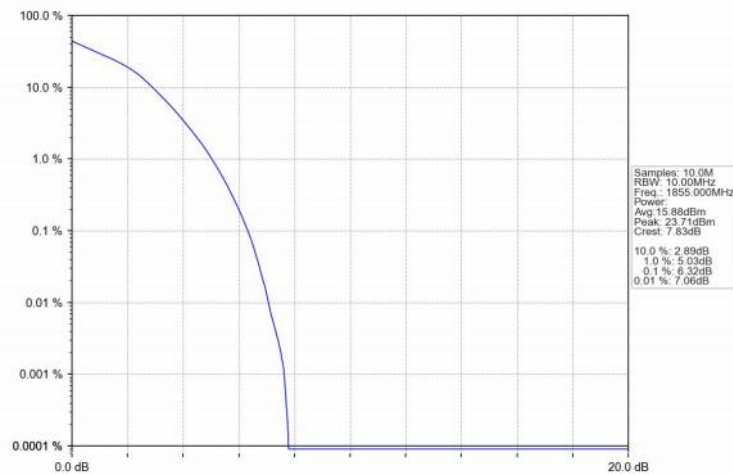




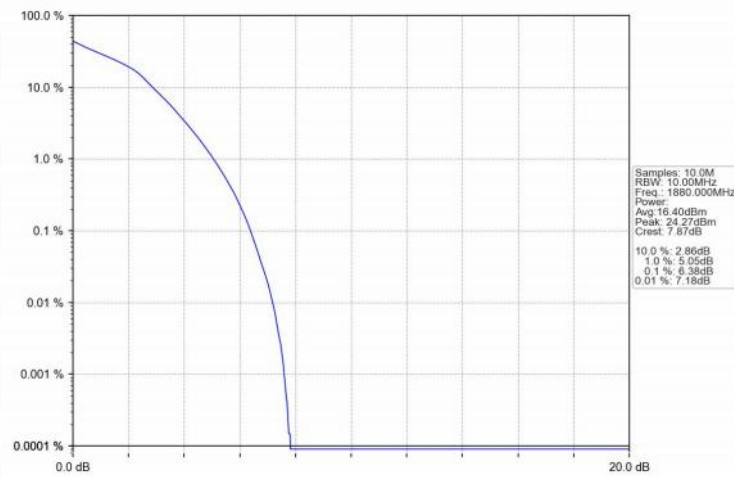
Band2\_10MHz\_QPSK\_HCH\_1905MHz\_RB\_50\_0\_NTNV



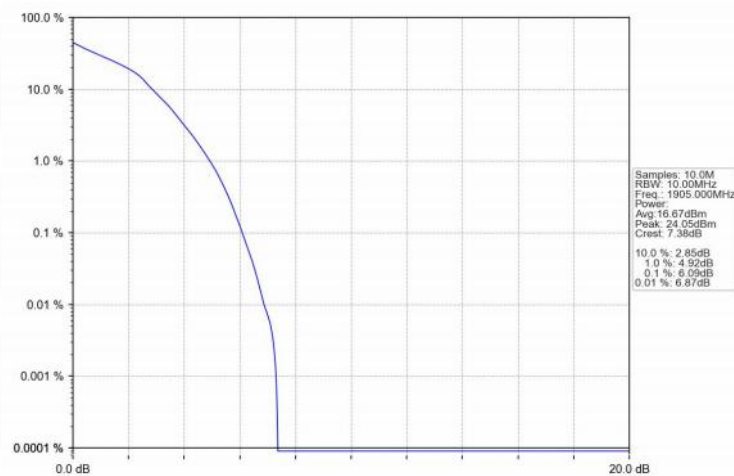
Band2\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV



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

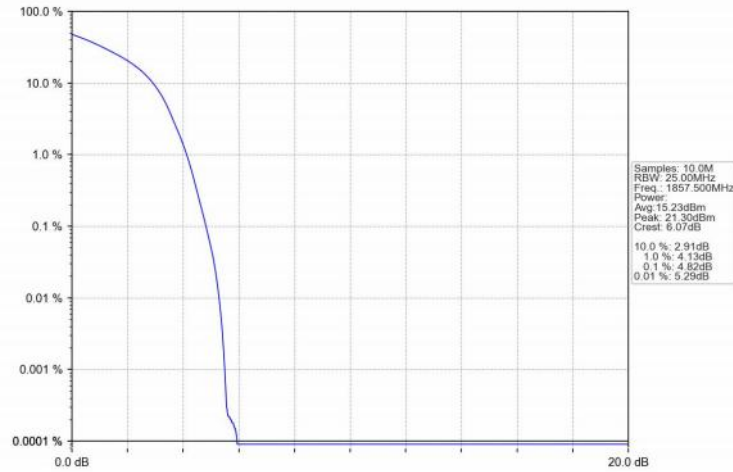


Band2\_10MHz\_16QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV

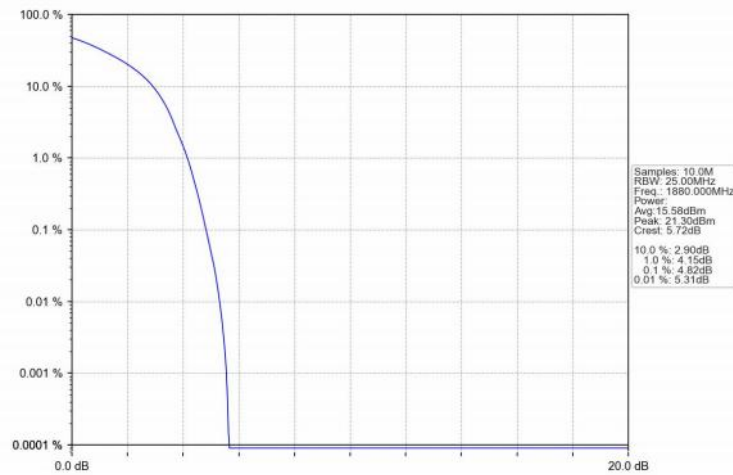


### 5.2.5 B2\_15MHz

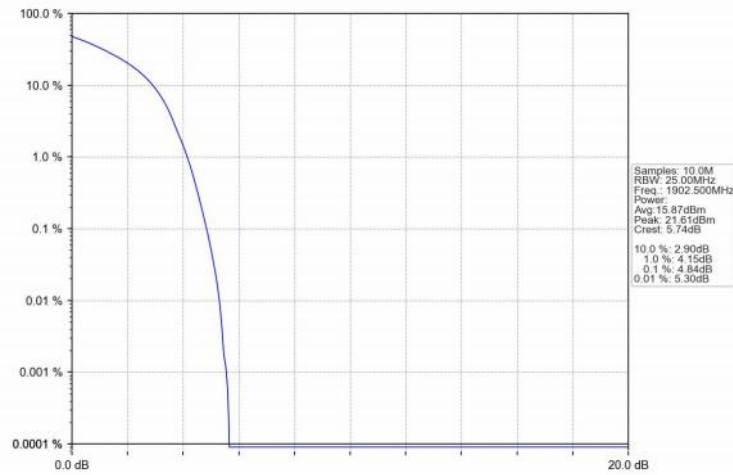
Band2\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



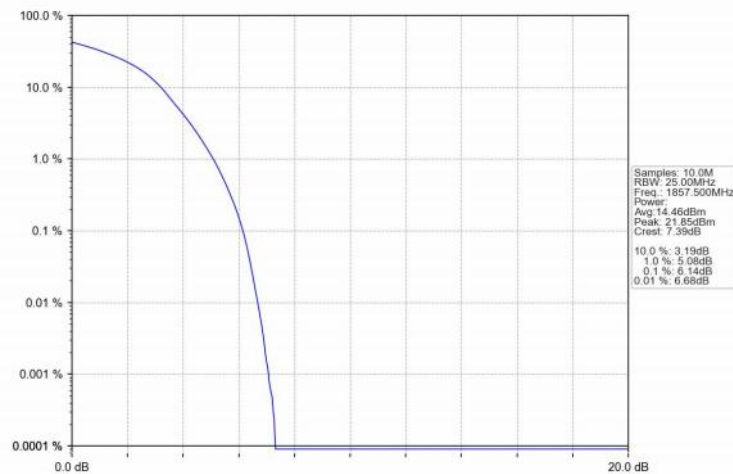
Band2\_15MHz\_QPSK\_MCH\_1880MHz\_RB\_75\_0\_NTNV



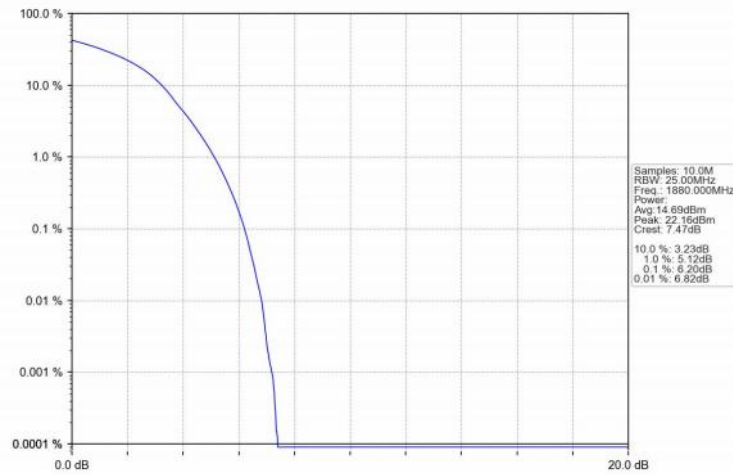
Band2\_15MHz\_QPSK\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



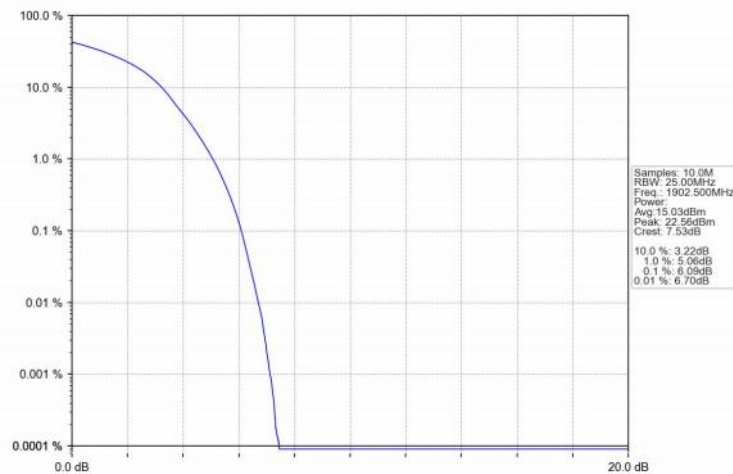
Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



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

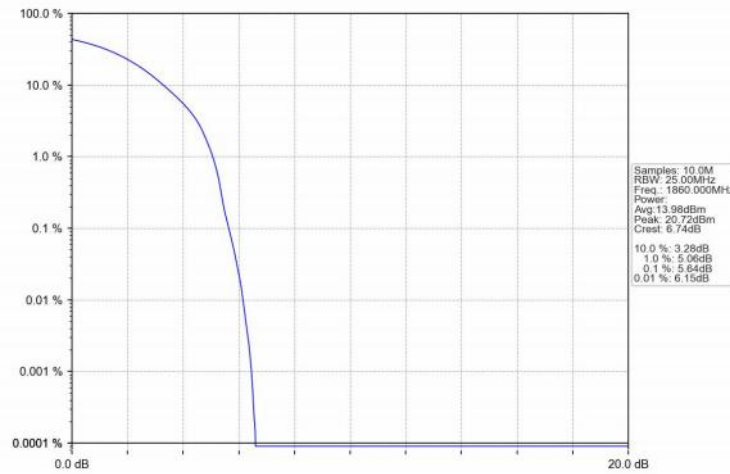


Band2\_15MHz\_16QAM\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV

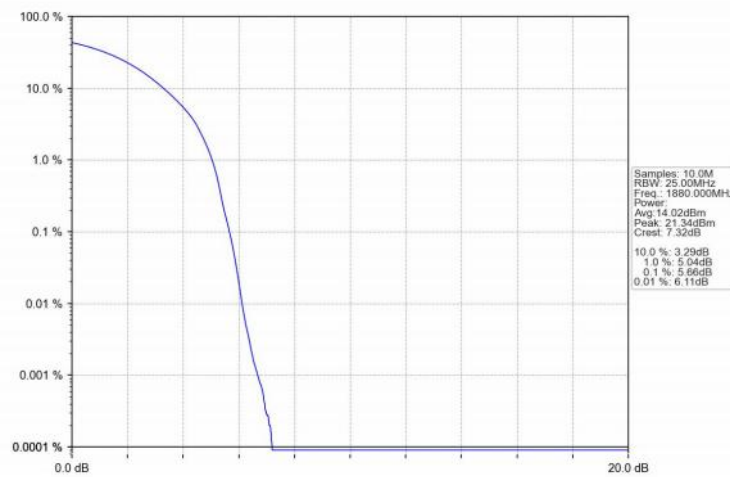


## 5.2.6 B2\_20MHz

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

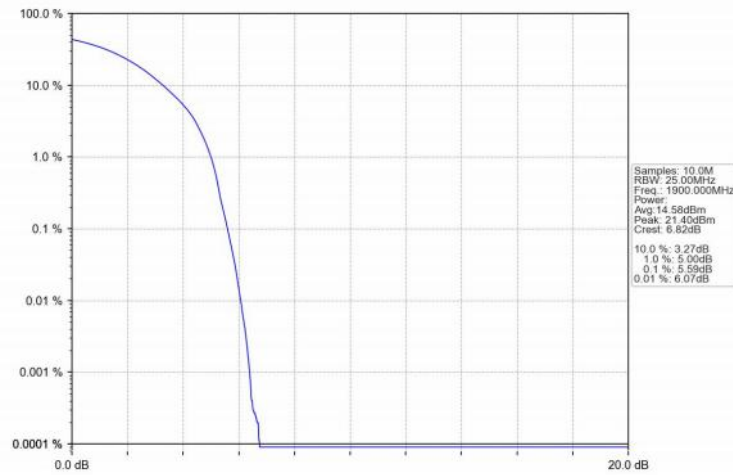


Band2\_20MHz\_QPSK\_MCH\_1880MHz\_RB\_100\_0\_NTNV

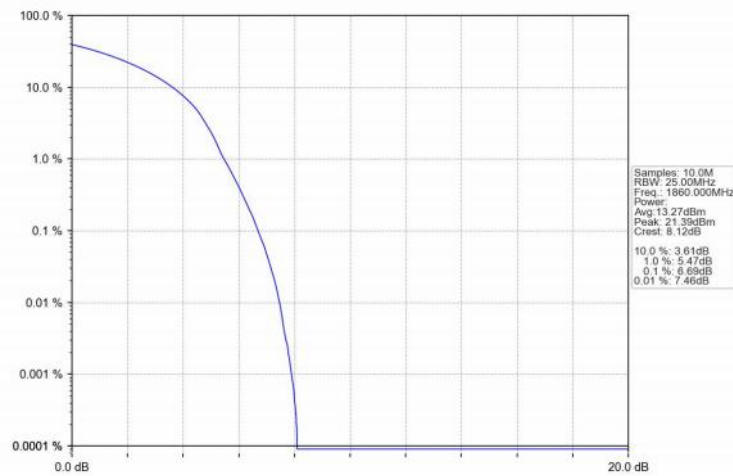




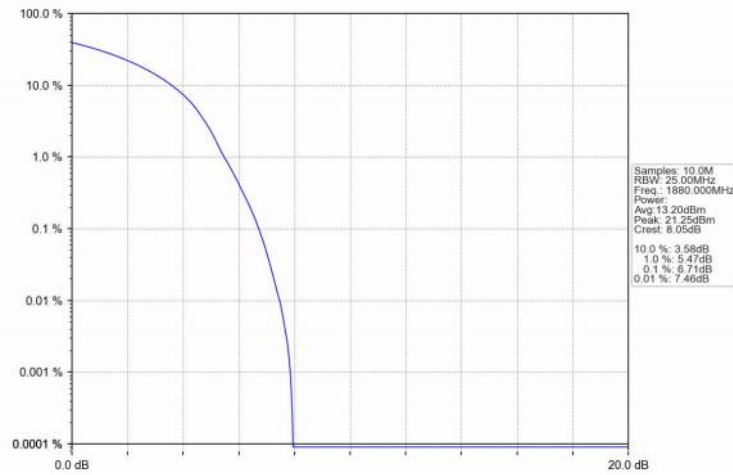
Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



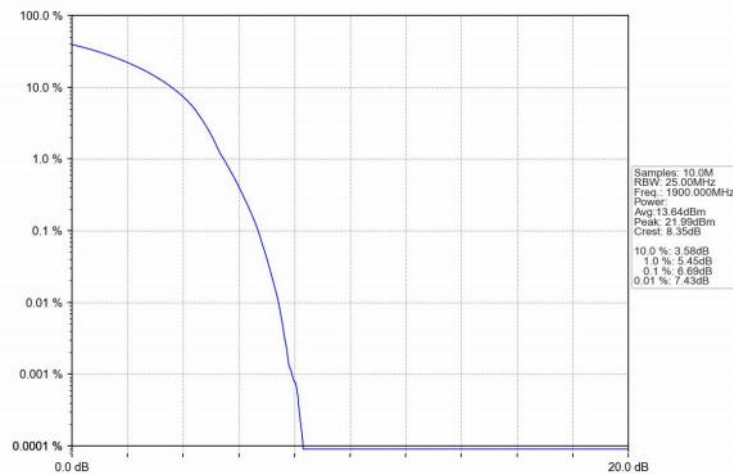
Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV



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



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



## 6. Spurious Emission

### 6.1 Test Result

#### 6.1.1 B2\_1.4MHz

| Band: 2 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                     |       |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                    |                 | Size          | Offset | Result              | Limit |
| QPSK                               | 1850.7          | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |
|                                    | 1880            | 1             | 0      | Refer To Test Graph | Pass  |
|                                    | 1909.3          | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 |               | 5      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |
| 16QAM                              | 1850.7          | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |
|                                    | 1880            | 1             | 0      | Refer To Test Graph | Pass  |
|                                    | 1909.3          | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 |               | 5      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |

#### 6.1.2 B2\_3MHz

| Band: 2 / Bandwidth: 3MHz / NTNV |                 |               |        |                     |       |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                  |                 | Size          | Offset | Result              | Limit |
| QPSK                             | 1851.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |
|                                  | 1880            | 1             | 0      | Refer To Test Graph | Pass  |
|                                  | 1908.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 |               | 14     | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |
| 16QAM                            | 1851.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |
|                                  | 1880            | 1             | 0      | Refer To Test Graph | Pass  |
|                                  | 1908.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 |               | 14     | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |

#### 6.1.3 B2\_5MHz

| Band: 2 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                  |                 | Size          | Offset | Result              | Limit |
| QPSK                             | 1852.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |
|                                  | 1880            | 1             | 0      | Refer To Test Graph | Pass  |
|                                  | 1907.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 |               | 24     | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |
| 16QAM                            | 1852.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |
|                                  | 1880            | 1             | 0      | Refer To Test Graph | Pass  |
|                                  | 1907.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 |               | 24     | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |

### 6.1.4 B2\_10MHz

| Band: 2 / Bandwidth: 10MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 1855            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1880            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 49     | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 1855            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1880            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 49     | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |

### 6.1.5 B2\_15MHz

| Band: 2 / Bandwidth: 15MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 1857.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1880            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 74     | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 1857.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1880            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 74     | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |

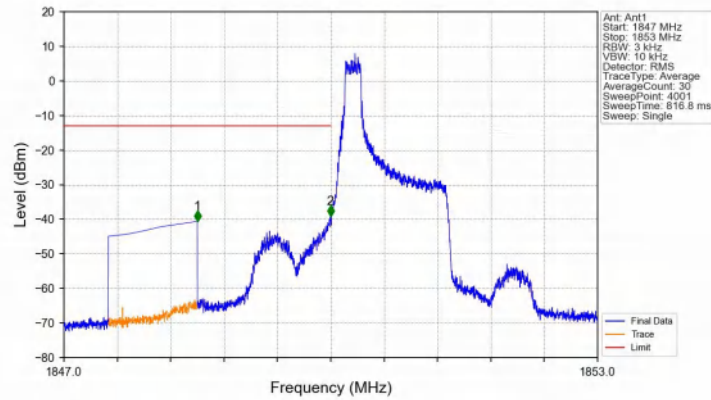
### 6.1.6 B2\_20MHz

| Band: 2 / Bandwidth: 20MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 1860            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1880            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 99     | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 1860            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1880            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 99     | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |

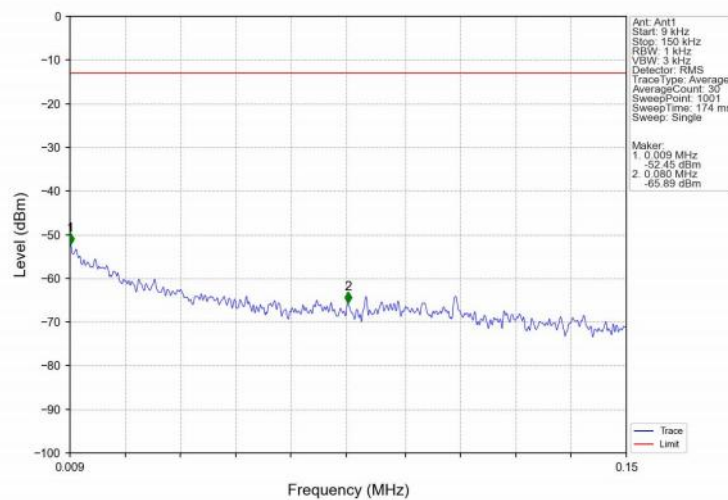
## 6.2 Test Graph

### 6.2.1 B2\_1.4MHz

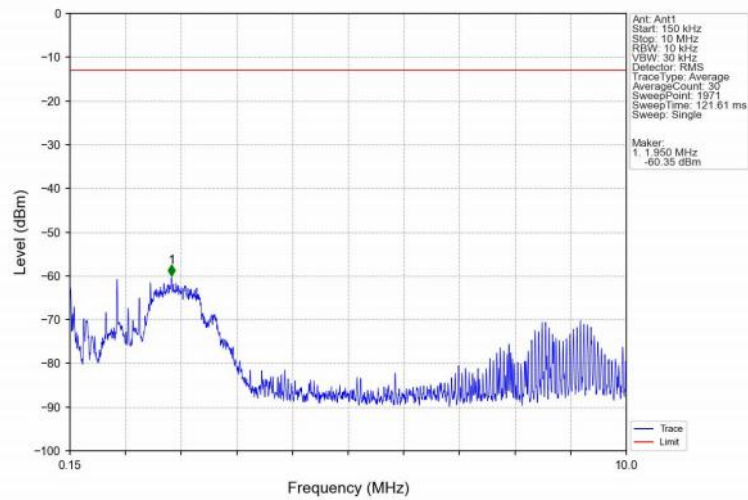
Band2\_1.4MHz\_QPSK\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



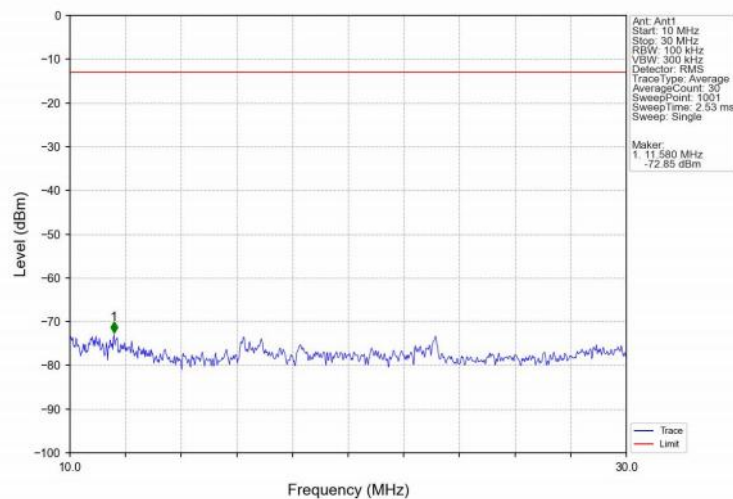
Band2\_1.4MHz\_QPSK\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



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

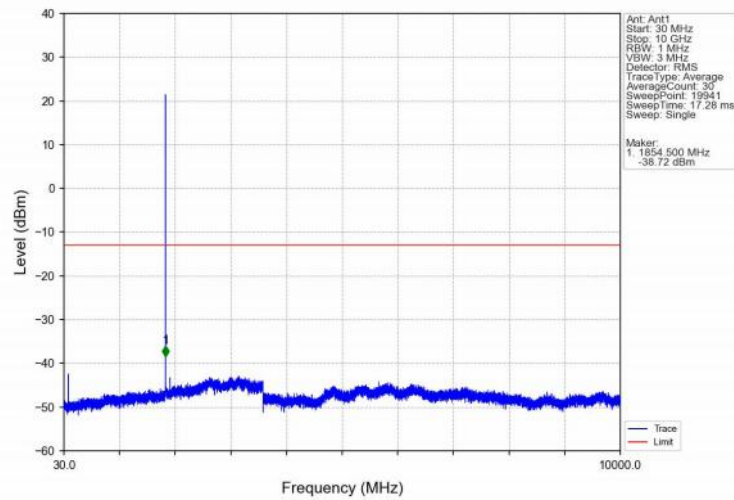


Band2\_1.4MHz\_QPSK\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV

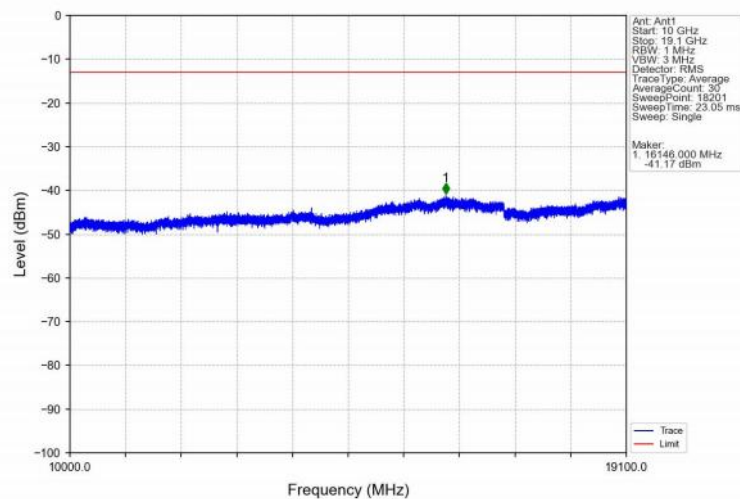




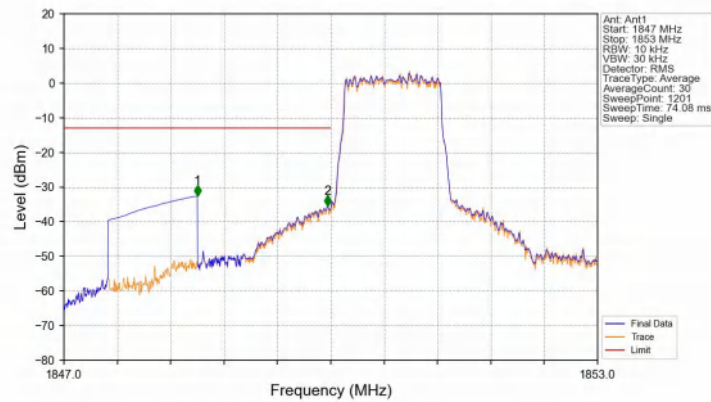
Band2\_1.4MHz\_QPSK\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



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

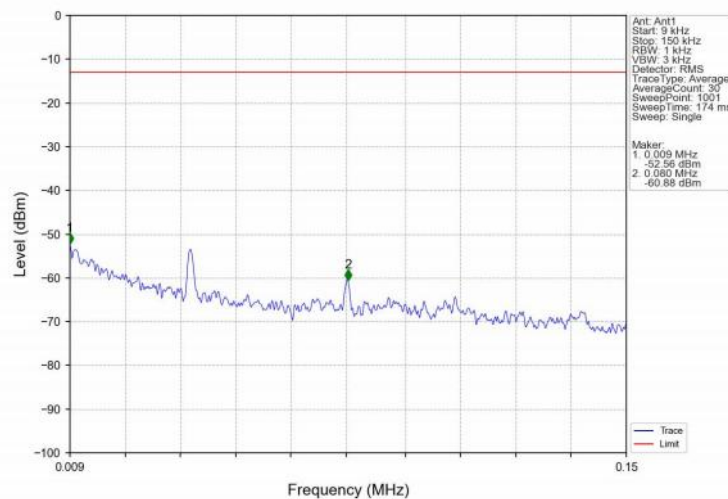


## Band2\_1.4MHz\_QPSK\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV

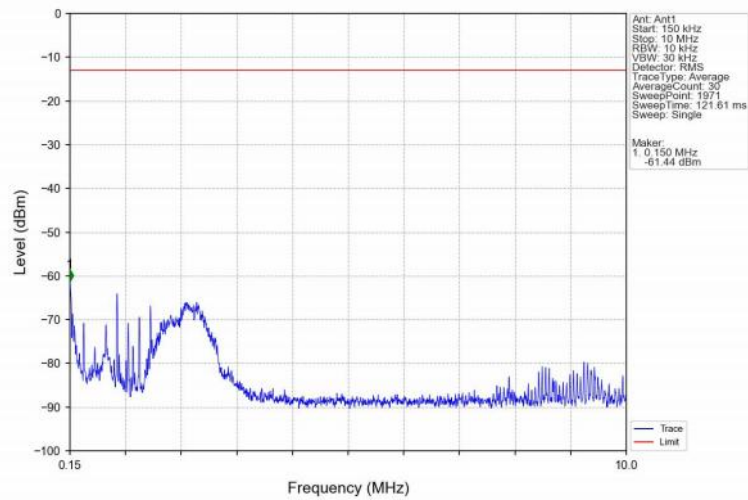


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1847        | 1849       | 1         | CHP    | 1          | 1848.500   | -32.59      | -13         | Pass   |
| 1849        | 1850       | 0.013     | CHP    | 2          | 1849.965   | -35.47      | -13         | Pass   |
| 1850        | 1853       | 0.013     | CHP    | /          | /          | /           | /           | /      |

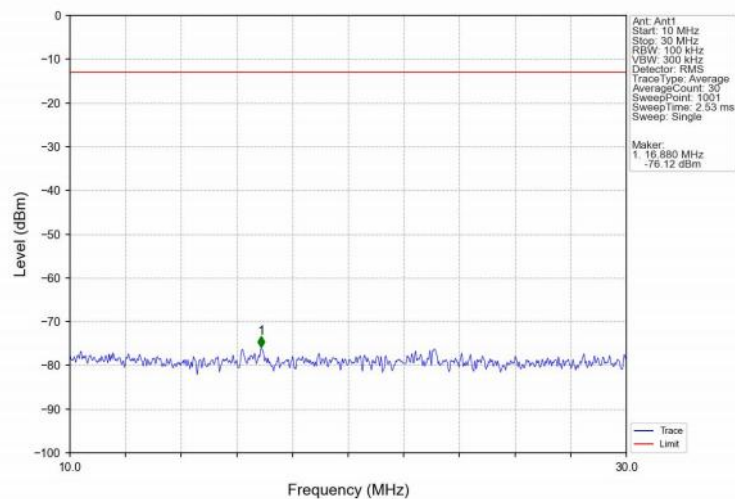
## Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



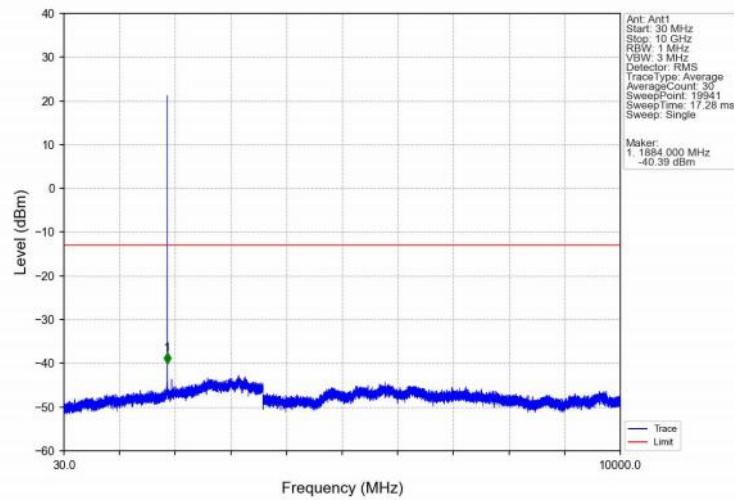
Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



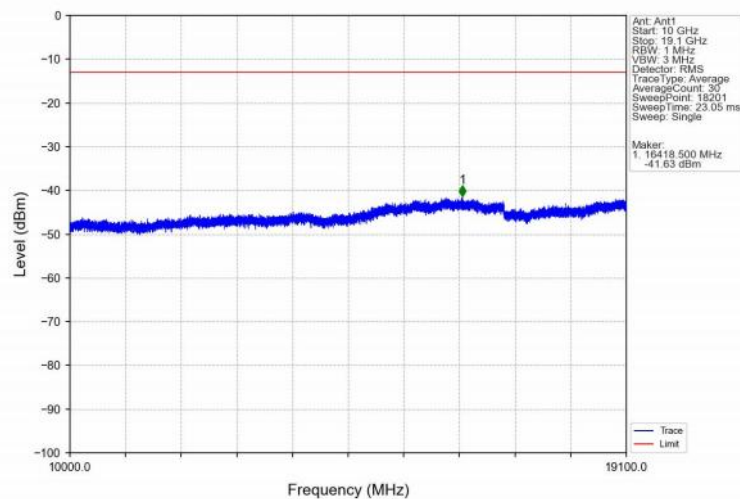
Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



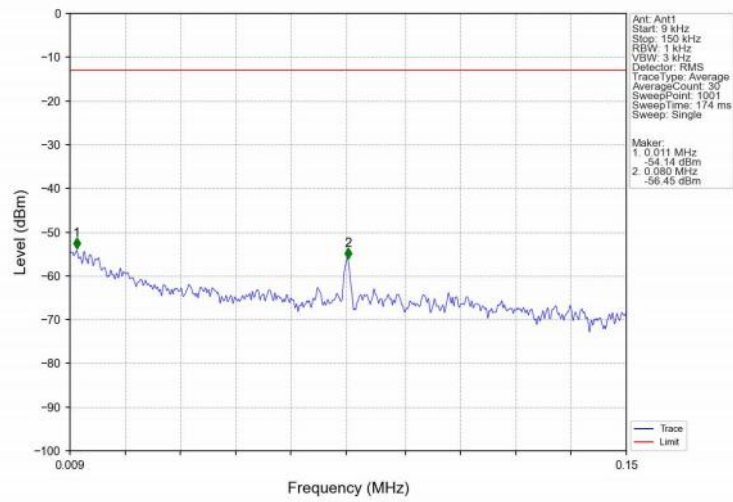
Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



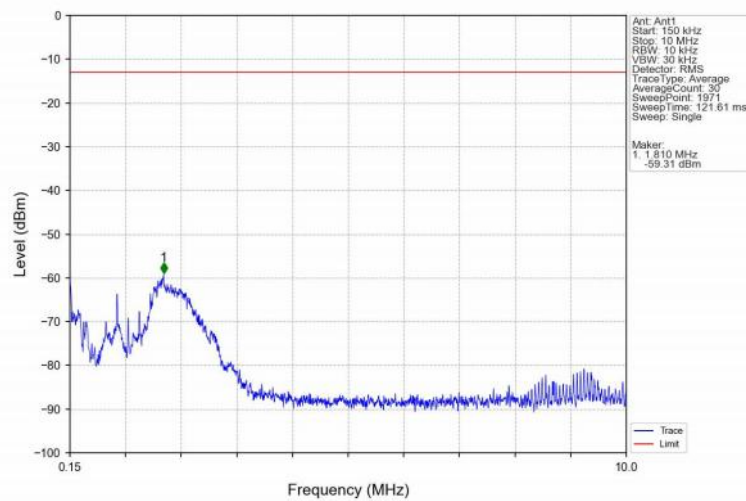
Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



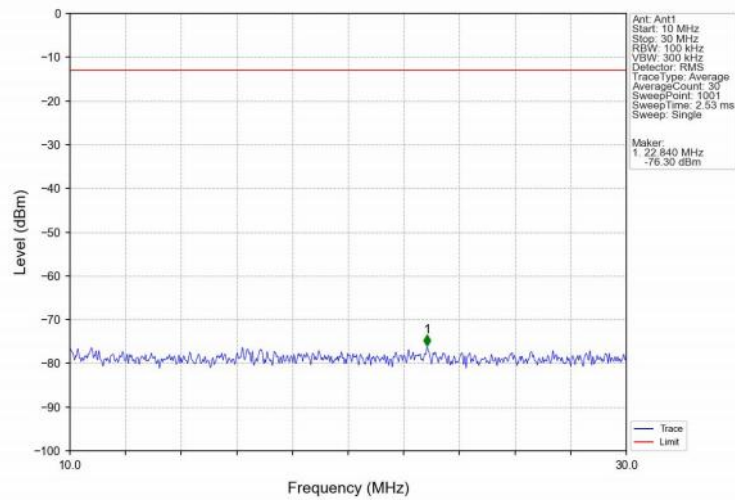
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



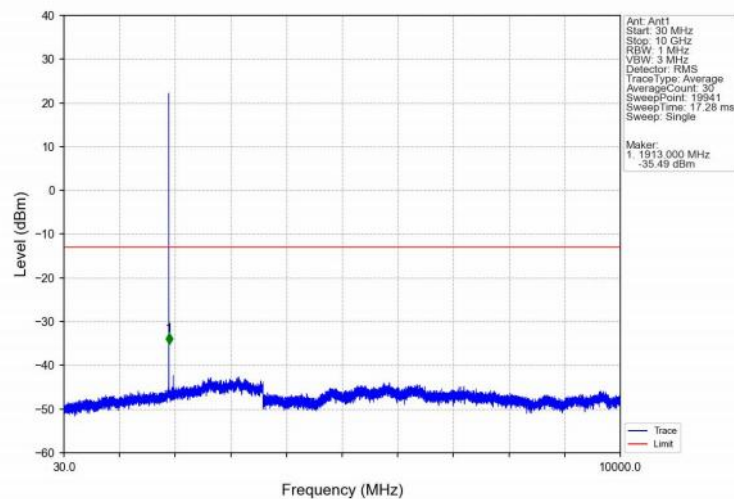
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



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

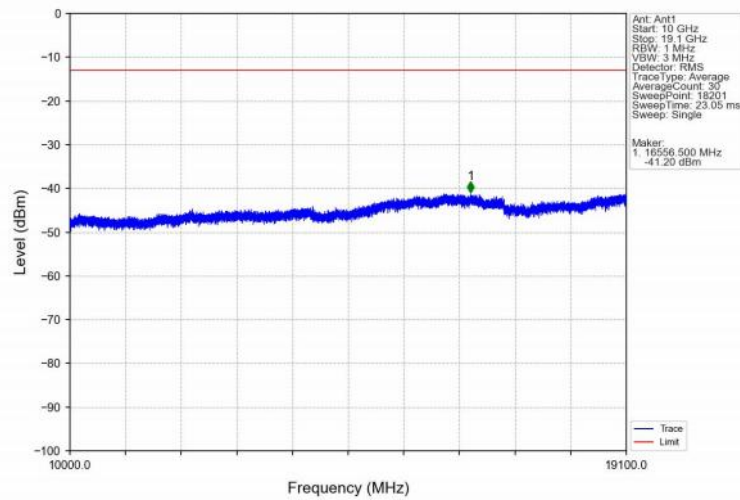


Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV

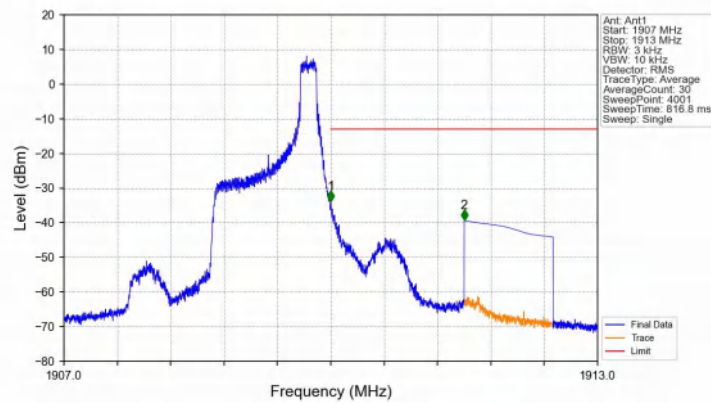




Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV

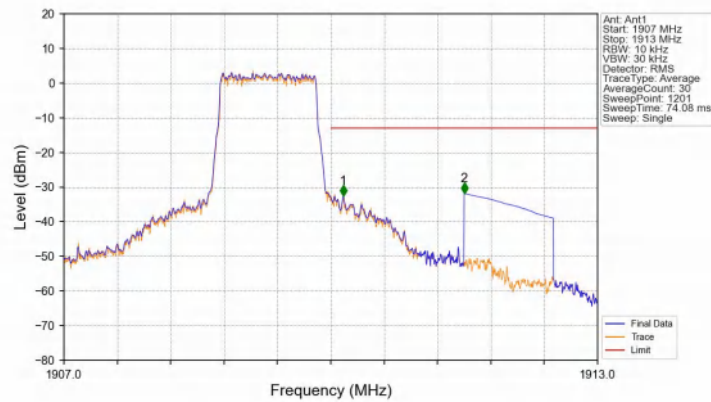


Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_1\_5\_NTNV



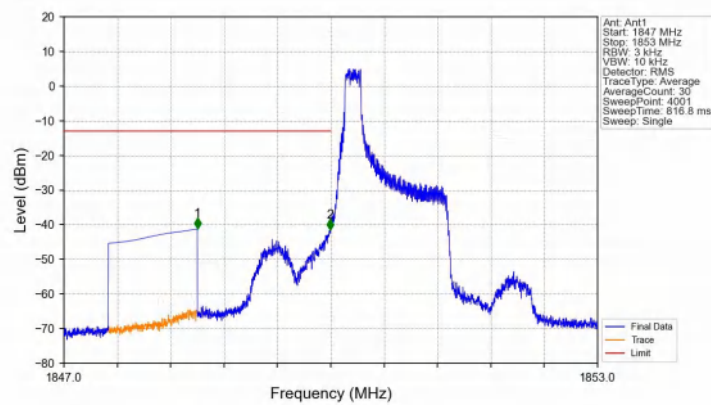
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1907        | 1910       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1910        | 1911       | 0.003     | /      | 1          | 1910.003   | -33.94      | -13         | Pass   |
| 1911        | 1913       | 1         | CHP    | 2          | 1911.500   | -39.38      | -13         | Pass   |

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



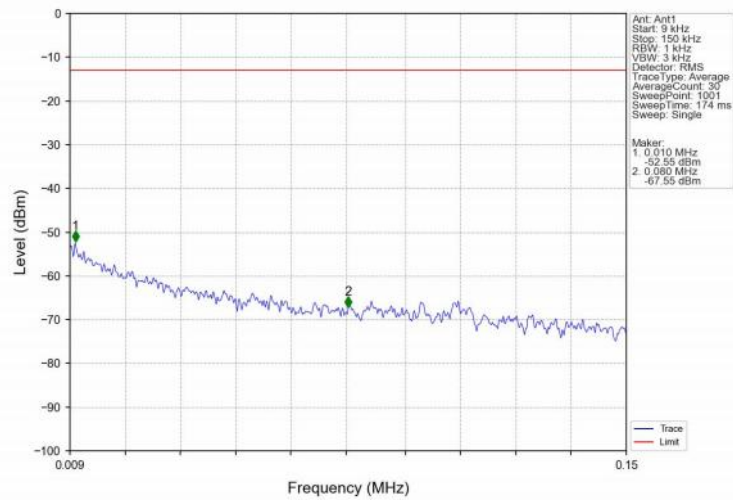
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1907        | 1910       | 0.013     | CHP    | /          | /          | /           | /           | /      |
| 1910        | 1911       | 0.013     | CHP    | 1          | 1910.140   | -32.63      | -13         | Pass   |
| 1911        | 1913       | 1         | CHP    | 2          | 1911.500   | -31.82      | -13         | Pass   |

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

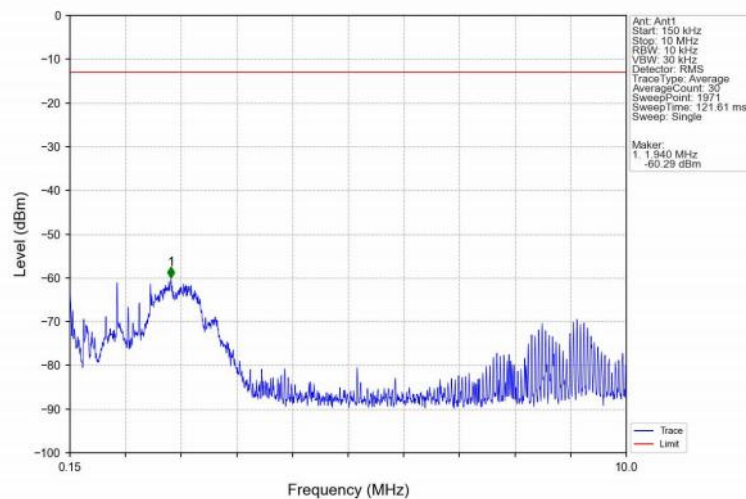


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1847        | 1849       | 1         | CHP    | 1          | 1848.500   | -41.23      | -13         | Pass   |
| 1849        | 1850       | 0.003     | /      | 2          | 1849.994   | -41.50      | -13         | Pass   |
| 1850        | 1853       | 0.003     | /      | /          | /          | /           | /           | /      |

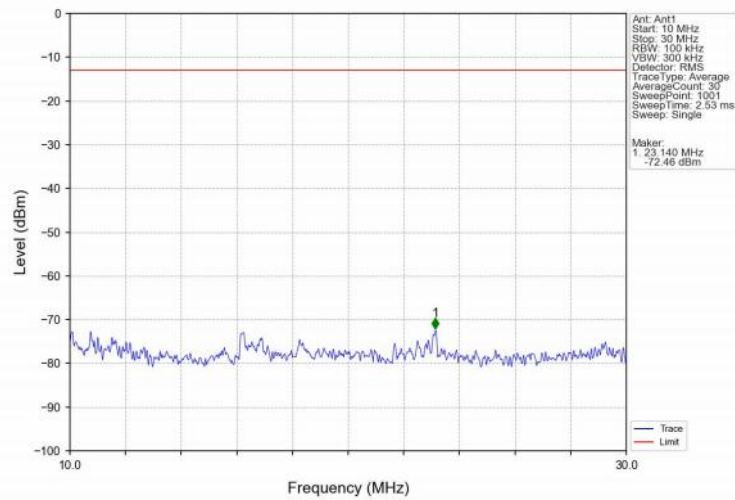
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



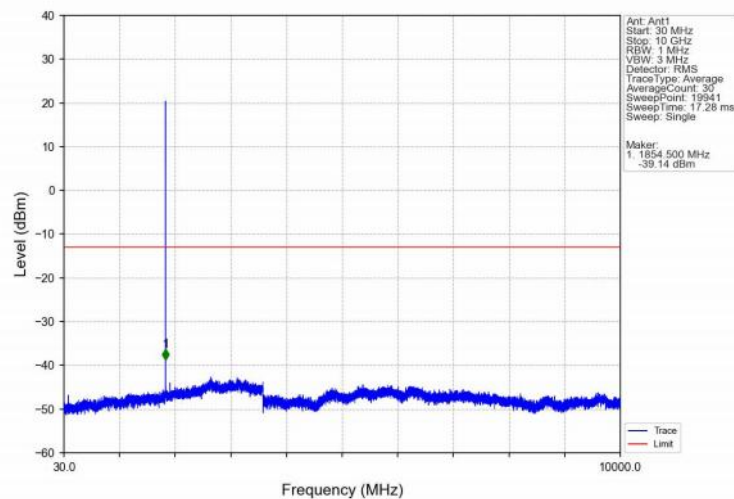
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



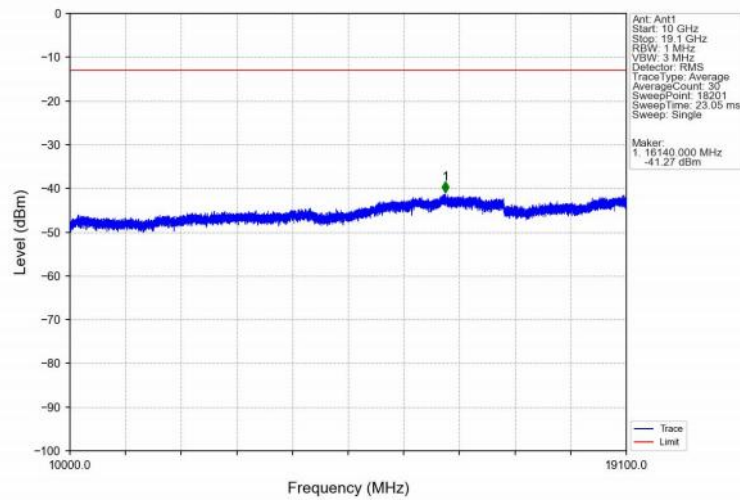
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



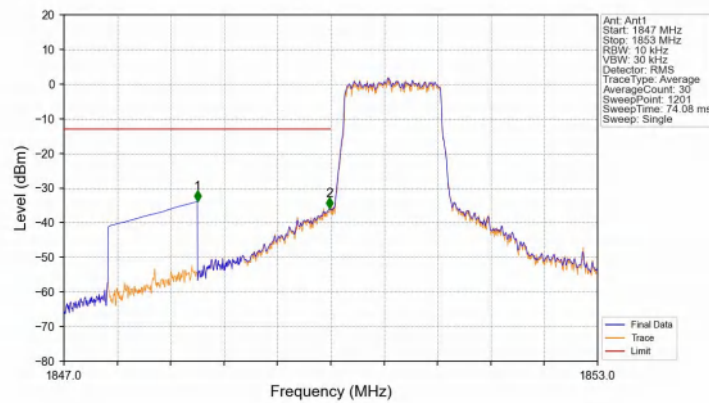
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



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

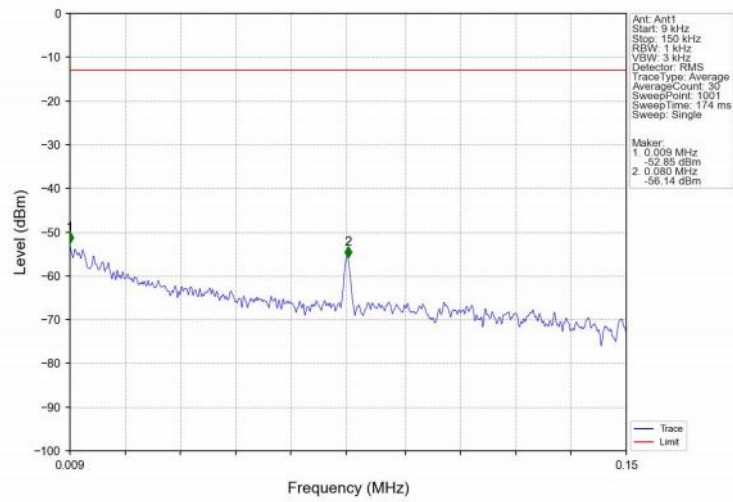


Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV

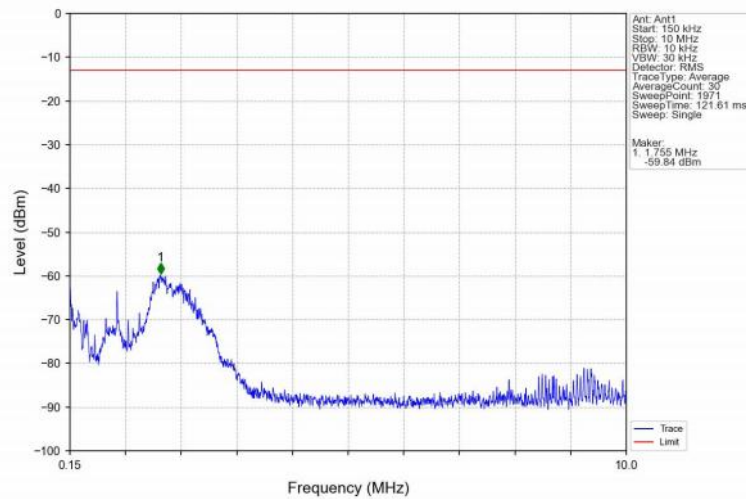


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1847        | 1849       | 1         | CHP    | 1          | 1848.500   | -33.92      | -13         | Pass   |
| 1849        | 1850       | 0.013     | CHP    | 2          | 1849.985   | -35.85      | -13         | Pass   |
| 1850        | 1853       | 0.013     | CHP    | /          | /          | /           | /           | /      |

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

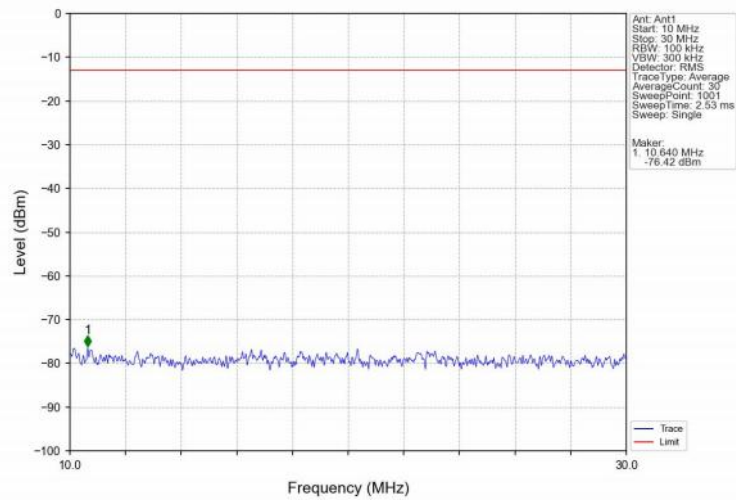


Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV

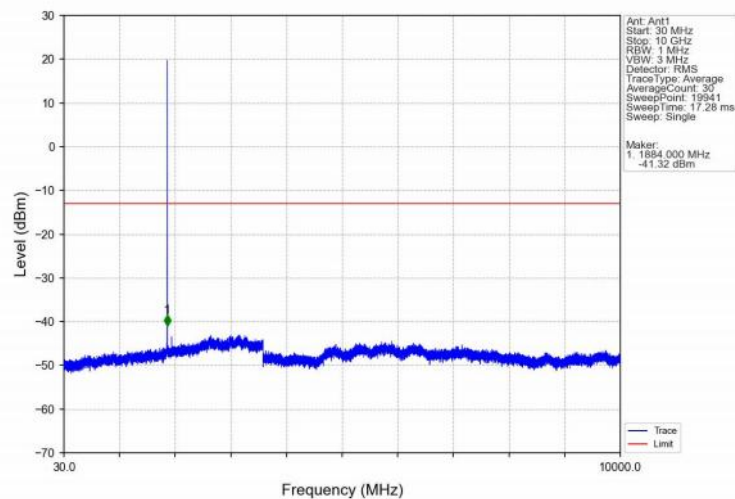




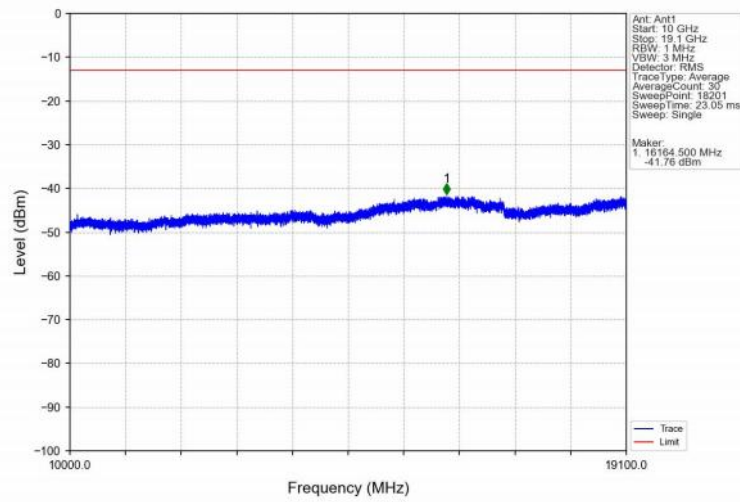
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



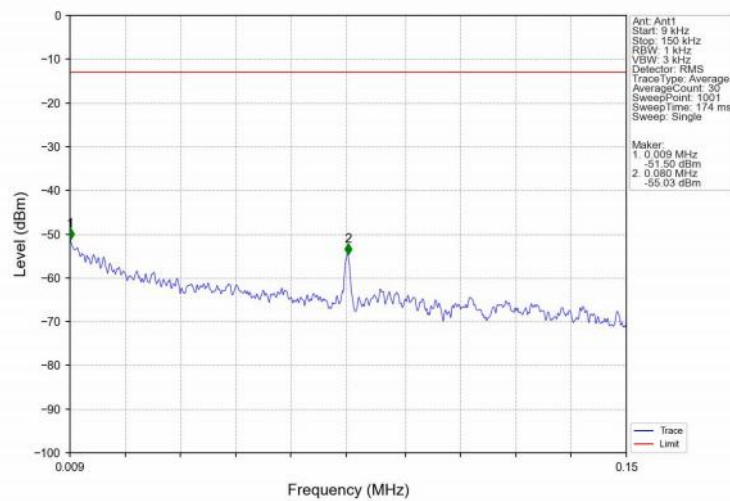
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



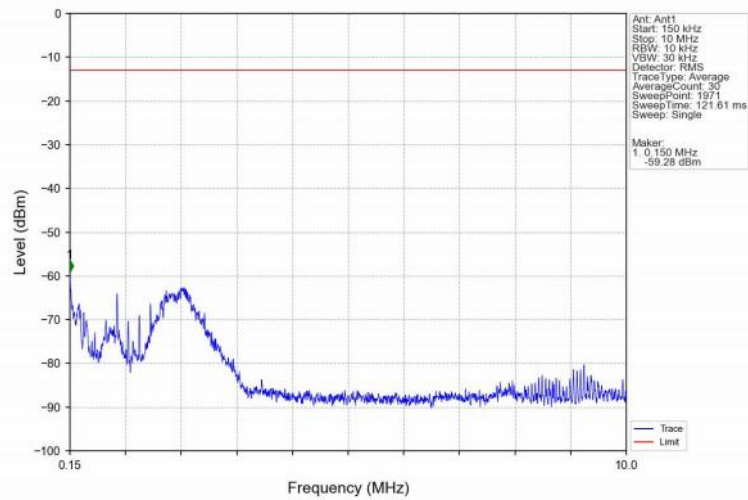
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



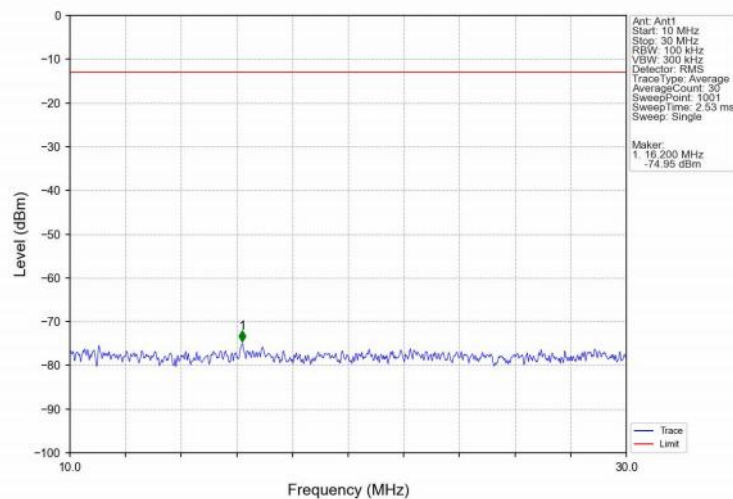
Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



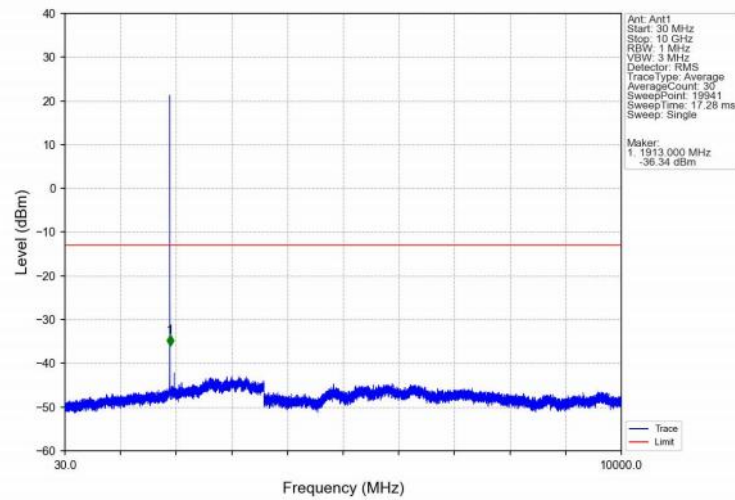
Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



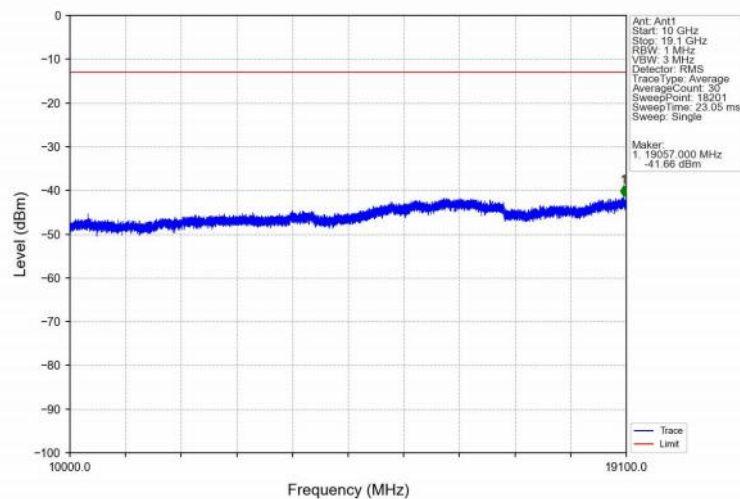
Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



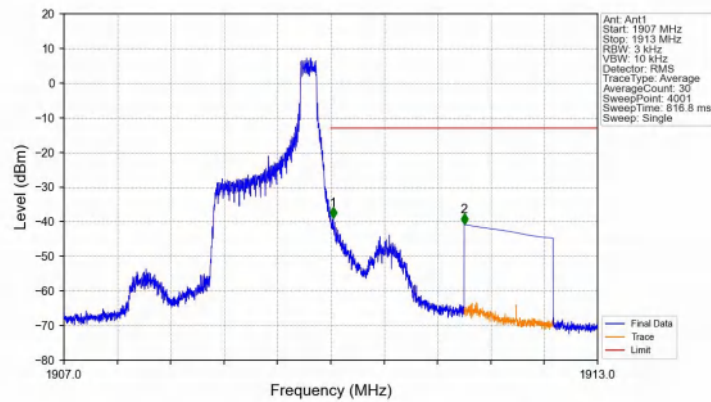
Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



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

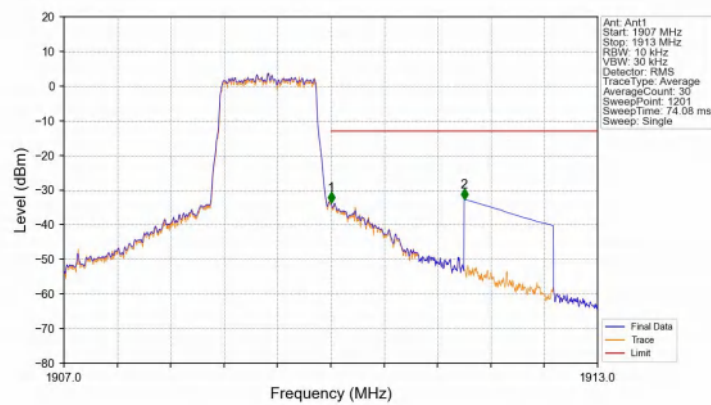


## Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_1\_5\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1907        | 1910       | 0.003     | /      | /          | /          | /           | /           | /      |
| 1910        | 1911       | 0.003     | /      | 1          | 1910.027   | -38.99      | -13         | Pass   |
| 1911        | 1913       | 1         | CHP    | 2          | 1911.500   | -40.77      | -13         | Pass   |

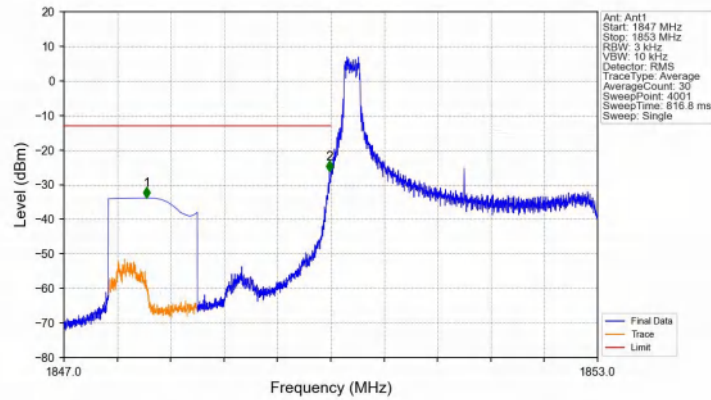
## Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1907        | 1910       | 0.013     | CHP    | /          | /          | /           | /           | /      |
| 1910        | 1911       | 0.013     | CHP    | 1          | 1910.005   | -33.71      | -13         | Pass   |
| 1911        | 1913       | 1         | CHP    | 2          | 1911.500   | -32.72      | -13         | Pass   |

## 6.2.2 B2\_3MHz

Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_1\_0\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1847        | 1849       | 1         | CHP    | 1          | 1847.930   | -33.89      | -13         | Pass   |
| 1849        | 1850       | 0.003     | /      | 2          | 1849.986   | -26.16      | -13         | Pass   |
| 1850        | 1853       | 0.003     | /      | /          | /          | /           | /           | /      |

Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_1\_0\_NTNV

