

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

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

| Band: 2 / Bandwidth: 1.4MHz / NTV        |                 |               |        |                       |            |            |         |         |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                                     | 1850.7          | 1             | 0      | 23.59                 | 4.00       | 27.59      | <=33.01 | Pass    |
|                                          |                 |               | 2      | 23.86                 | 4.00       | 27.86      | <=33.01 | Pass    |
|                                          |                 |               | 5      | 23.56                 | 4.00       | 27.56      | <=33.01 | Pass    |
|                                          |                 | 3             | 0      | 23.68                 | 4.00       | 27.68      | <=33.01 | Pass    |
|                                          |                 |               | 2      | 23.56                 | 4.00       | 27.56      | <=33.01 | Pass    |
|                                          |                 |               | 3      | 23.51                 | 4.00       | 27.51      | <=33.01 | Pass    |
|                                          |                 | 6             | 0      | 22.75                 | 4.00       | 26.75      | <=33.01 | Pass    |
|                                          | 1880            | 1             | 0      | 23.54                 | 4.00       | 27.54      | <=33.01 | Pass    |
|                                          |                 |               | 2      | 23.57                 | 4.00       | 27.57      | <=33.01 | Pass    |
|                                          |                 |               | 5      | 23.86                 | 4.00       | 27.86      | <=33.01 | Pass    |
|                                          |                 | 3             | 0      | 23.90                 | 4.00       | 27.90      | <=33.01 | Pass    |
|                                          |                 |               | 2      | 23.97                 | 4.00       | 27.97      | <=33.01 | Pass    |
|                                          |                 |               | 3      | 23.85                 | 4.00       | 27.85      | <=33.01 | Pass    |
|                                          | 6               | 0             | 22.81  | 4.00                  | 26.81      | <=33.01    | Pass    |         |
|                                          | 1909.3          | 1             | 0      | 23.71                 | 4.00       | 27.71      | <=33.01 | Pass    |
|                                          |                 |               | 2      | 23.97                 | 4.00       | 27.97      | <=33.01 | Pass    |
|                                          |                 |               | 5      | 23.74                 | 4.00       | 27.74      | <=33.01 | Pass    |
|                                          |                 | 3             | 0      | 23.52                 | 4.00       | 27.52      | <=33.01 | Pass    |
|                                          |                 |               | 2      | 23.54                 | 4.00       | 27.54      | <=33.01 | Pass    |
|                                          |                 |               | 3      | 23.79                 | 4.00       | 27.79      | <=33.01 | Pass    |
|                                          |                 | 6             | 0      | 22.48                 | 4.00       | 26.48      | <=33.01 | Pass    |
| 16QAM                                    |                 | 1850.7        | 1      | 0                     | 22.46      | 4.00       | 26.46   | <=33.01 |
|                                          | 2               |               |        | 22.83                 | 4.00       | 26.83      | <=33.01 | Pass    |
|                                          | 5               |               |        | 22.71                 | 4.00       | 26.71      | <=33.01 | Pass    |
|                                          | 3               |               | 0      | 22.54                 | 4.00       | 26.54      | <=33.01 | Pass    |
|                                          |                 |               | 2      | 22.51                 | 4.00       | 26.51      | <=33.01 | Pass    |
|                                          |                 |               | 3      | 22.60                 | 4.00       | 26.60      | <=33.01 | Pass    |
|                                          | 6               |               | 0      | 21.60                 | 4.00       | 25.60      | <=33.01 | Pass    |
|                                          | 1880            | 1             | 0      | 22.82                 | 4.00       | 26.82      | <=33.01 | Pass    |
|                                          |                 |               | 2      | 22.57                 | 4.00       | 26.57      | <=33.01 | Pass    |
|                                          |                 |               | 5      | 22.87                 | 4.00       | 26.87      | <=33.01 | Pass    |
|                                          |                 | 3             | 0      | 22.93                 | 4.00       | 26.93      | <=33.01 | Pass    |
|                                          |                 |               | 2      | 23.08                 | 4.00       | 27.08      | <=33.01 | Pass    |
|                                          |                 |               | 3      | 23.18                 | 4.00       | 27.18      | <=33.01 | Pass    |
|                                          | 6               | 0             | 21.71  | 4.00                  | 25.71      | <=33.01    | Pass    |         |
|                                          | 1909.3          | 1             | 0      | 22.82                 | 4.00       | 26.82      | <=33.01 | Pass    |
|                                          |                 |               | 2      | 22.96                 | 4.00       | 26.96      | <=33.01 | Pass    |
|                                          |                 |               | 5      | 22.90                 | 4.00       | 26.90      | <=33.01 | Pass    |
|                                          |                 | 3             | 0      | 22.54                 | 4.00       | 26.54      | <=33.01 | Pass    |
|                                          |                 |               | 2      | 22.53                 | 4.00       | 26.53      | <=33.01 | Pass    |
|                                          |                 |               | 3      | 22.51                 | 4.00       | 26.51      | <=33.01 | Pass    |
|                                          |                 | 6             | 0      | 21.69                 | 4.00       | 25.69      | <=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      | 23.70                 | 4.00       | 27.70      | <=33.01 | Pass    |
|                                          |                 |               | 7      | 23.84                 | 4.00       | 27.84      | <=33.01 | Pass    |
|                                          |                 |               | 14     | 23.49                 | 4.00       | 27.49      | <=33.01 | Pass    |
|                                          |                 | 8             | 0      | 22.80                 | 4.00       | 26.80      | <=33.01 | Pass    |
|                                          |                 |               | 4      | 22.68                 | 4.00       | 26.68      | <=33.01 | Pass    |
|                                          |                 |               | 7      | 22.54                 | 4.00       | 26.54      | <=33.01 | Pass    |
|                                          |                 | 15            | 0      | 22.69                 | 4.00       | 26.69      | <=33.01 | Pass    |
|                                          | 1880            | 1             | 0      | 23.83                 | 4.00       | 27.83      | <=33.01 | Pass    |
|                                          |                 |               | 7      | 23.84                 | 4.00       | 27.84      | <=33.01 | Pass    |
|                                          |                 |               | 14     | 23.79                 | 4.00       | 27.79      | <=33.01 | Pass    |
|                                          |                 | 8             | 0      | 22.97                 | 4.00       | 26.97      | <=33.01 | Pass    |
|                                          |                 |               | 4      | 22.87                 | 4.00       | 26.87      | <=33.01 | Pass    |
|                                          |                 |               | 7      | 22.78                 | 4.00       | 26.78      | <=33.01 | Pass    |
|                                          |                 | 15            | 0      | 22.94                 | 4.00       | 26.94      | <=33.01 | Pass    |
|                                          | 1908.5          | 1             | 0      | 23.98                 | 4.00       | 27.98      | <=33.01 | Pass    |
|                                          |                 |               | 7      | 23.72                 | 4.00       | 27.72      | <=33.01 | Pass    |
|                                          |                 |               | 14     | 23.65                 | 4.00       | 27.65      | <=33.01 | Pass    |
|                                          |                 | 8             | 0      | 22.85                 | 4.00       | 26.85      | <=33.01 | Pass    |
|                                          |                 |               | 4      | 22.60                 | 4.00       | 26.60      | <=33.01 | Pass    |
|                                          |                 |               | 7      | 22.62                 | 4.00       | 26.62      | <=33.01 | Pass    |
|                                          |                 | 15            | 0      | 22.93                 | 4.00       | 26.93      | <=33.01 | Pass    |
| 16QAM                                    | 1851.5          | 1             | 0      | 23.18                 | 4.00       | 27.18      | <=33.01 | Pass    |
|                                          |                 |               | 7      | 23.09                 | 4.00       | 27.09      | <=33.01 | Pass    |
|                                          |                 |               | 14     | 23.03                 | 4.00       | 27.03      | <=33.01 | Pass    |
|                                          |                 | 8             | 0      | 21.89                 | 4.00       | 25.89      | <=33.01 | Pass    |
|                                          |                 |               | 4      | 21.80                 | 4.00       | 25.80      | <=33.01 | Pass    |
|                                          |                 |               | 7      | 21.77                 | 4.00       | 25.77      | <=33.01 | Pass    |
|                                          |                 | 15            | 0      | 21.91                 | 4.00       | 25.91      | <=33.01 | Pass    |
|                                          | 1880            | 1             | 0      | 23.07                 | 4.00       | 27.07      | <=33.01 | Pass    |
|                                          |                 |               | 7      | 23.12                 | 4.00       | 27.12      | <=33.01 | Pass    |
|                                          |                 |               | 14     | 22.98                 | 4.00       | 26.98      | <=33.01 | Pass    |
|                                          |                 | 8             | 0      | 21.62                 | 4.00       | 25.62      | <=33.01 | Pass    |
|                                          |                 |               | 4      | 21.93                 | 4.00       | 25.93      | <=33.01 | Pass    |
|                                          |                 |               | 7      | 21.60                 | 4.00       | 25.60      | <=33.01 | Pass    |
|                                          |                 | 15            | 0      | 22.00                 | 4.00       | 26.00      | <=33.01 | Pass    |
|                                          | 1908.5          | 1             | 0      | 22.68                 | 4.00       | 26.68      | <=33.01 | Pass    |
|                                          |                 |               | 7      | 22.96                 | 4.00       | 26.96      | <=33.01 | Pass    |
|                                          |                 |               | 14     | 22.71                 | 4.00       | 26.71      | <=33.01 | Pass    |
|                                          |                 | 8             | 0      | 21.72                 | 4.00       | 25.72      | <=33.01 | Pass    |
| 4                                        |                 |               | 21.70  | 4.00                  | 25.70      | <=33.01    | Pass    |         |
| 7                                        |                 |               | 22.03  | 4.00                  | 26.03      | <=33.01    | Pass    |         |
| 15                                       |                 | 0             | 21.78  | 4.00                  | 25.78      | <=33.01    | Pass    |         |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |         |         |

### 1.1.3 B2\_5MHz\_EIRP

| Band: 2 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 1852.5          | 1             | 0      | 23.74                 | 4.00       | 27.74      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 23.65                 | 4.00       | 27.65      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 23.89                 | 4.00       | 27.89      | <=33.01 | Pass    |

|                                          |        |    |       |       |       |         |         |      |
|------------------------------------------|--------|----|-------|-------|-------|---------|---------|------|
|                                          |        | 12 | 0     | 22.51 | 4.00  | 26.51   | <=33.01 | Pass |
|                                          |        |    | 6     | 22.49 | 4.00  | 26.49   | <=33.01 | Pass |
|                                          |        |    | 13    | 22.76 | 4.00  | 26.76   | <=33.01 | Pass |
|                                          |        | 25 | 0     | 22.58 | 4.00  | 26.58   | <=33.01 | Pass |
|                                          | 1880   | 1  | 0     | 23.94 | 4.00  | 27.94   | <=33.01 | Pass |
|                                          |        |    | 13    | 23.90 | 4.00  | 27.90   | <=33.01 | Pass |
|                                          |        |    | 24    | 23.61 | 4.00  | 27.61   | <=33.01 | Pass |
|                                          |        | 12 | 0     | 22.58 | 4.00  | 26.58   | <=33.01 | Pass |
|                                          |        |    | 6     | 22.80 | 4.00  | 26.80   | <=33.01 | Pass |
|                                          |        |    | 13    | 22.67 | 4.00  | 26.67   | <=33.01 | Pass |
|                                          |        | 25 | 0     | 22.93 | 4.00  | 26.93   | <=33.01 | Pass |
|                                          | 1907.5 | 1  | 0     | 23.87 | 4.00  | 27.87   | <=33.01 | Pass |
|                                          |        |    | 13    | 23.69 | 4.00  | 27.69   | <=33.01 | Pass |
|                                          |        |    | 24    | 23.57 | 4.00  | 27.57   | <=33.01 | Pass |
|                                          |        | 12 | 0     | 22.95 | 4.00  | 26.95   | <=33.01 | Pass |
|                                          |        |    | 6     | 22.77 | 4.00  | 26.77   | <=33.01 | Pass |
|                                          |        |    | 13    | 22.71 | 4.00  | 26.71   | <=33.01 | Pass |
|                                          | 25     | 0  | 22.68 | 4.00  | 26.68 | <=33.01 | Pass    |      |
| 16QAM                                    | 1852.5 | 1  | 0     | 22.32 | 4.00  | 26.32   | <=33.01 | Pass |
|                                          |        |    | 13    | 22.65 | 4.00  | 26.65   | <=33.01 | Pass |
|                                          |        |    | 24    | 22.52 | 4.00  | 26.52   | <=33.01 | Pass |
|                                          |        | 12 | 0     | 21.81 | 4.00  | 25.81   | <=33.01 | Pass |
|                                          |        |    | 6     | 21.91 | 4.00  | 25.91   | <=33.01 | Pass |
|                                          |        |    | 13    | 21.56 | 4.00  | 25.56   | <=33.01 | Pass |
|                                          | 25     | 0  | 21.96 | 4.00  | 25.96 | <=33.01 | Pass    |      |
|                                          | 1880   | 1  | 0     | 23.23 | 4.00  | 27.23   | <=33.01 | Pass |
|                                          |        |    | 13    | 23.32 | 4.00  | 27.32   | <=33.01 | Pass |
|                                          |        |    | 24    | 22.91 | 4.00  | 26.91   | <=33.01 | Pass |
|                                          |        | 12 | 0     | 21.83 | 4.00  | 25.83   | <=33.01 | Pass |
|                                          |        |    | 6     | 21.83 | 4.00  | 25.83   | <=33.01 | Pass |
|                                          |        |    | 13    | 21.90 | 4.00  | 25.90   | <=33.01 | Pass |
|                                          |        | 25 | 0     | 21.69 | 4.00  | 25.69   | <=33.01 | Pass |
|                                          | 1907.5 | 1  | 0     | 23.02 | 4.00  | 27.02   | <=33.01 | Pass |
|                                          |        |    | 13    | 22.69 | 4.00  | 26.69   | <=33.01 | Pass |
|                                          |        |    | 24    | 23.02 | 4.00  | 27.02   | <=33.01 | Pass |
|                                          |        | 12 | 0     | 21.92 | 4.00  | 25.92   | <=33.01 | Pass |
|                                          |        |    | 6     | 21.88 | 4.00  | 25.88   | <=33.01 | Pass |
|                                          |        |    | 13    | 21.62 | 4.00  | 25.62   | <=33.01 | Pass |
|                                          | 25     | 0  | 21.59 | 4.00  | 25.59 | <=33.01 | Pass    |      |
| Note1: EIRP=Conducted Power+Antenna Gain |        |    |       |       |       |         |         |      |

#### 1.1.4 B2\_10MHz\_EIRP

| Band: 2 / Bandwidth: 10MHz / NTNV |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 1855            | 1             | 0      | 23.85                 | 4.00       | 27.85      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 23.83                 | 4.00       | 27.83      | <=33.01 | Pass    |
|                                   |                 |               | 49     | 23.59                 | 4.00       | 27.59      | <=33.01 | Pass    |
|                                   |                 | 25            | 0      | 22.73                 | 4.00       | 26.73      | <=33.01 | Pass    |
|                                   |                 |               | 13     | 22.56                 | 4.00       | 26.56      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 22.81                 | 4.00       | 26.81      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 22.54                 | 4.00       | 26.54      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 23.88                 | 4.00       | 27.88      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 23.70                 | 4.00       | 27.70      | <=33.01 | Pass    |

|                                          |       |       |       |       |         |         |         |         |         |      |
|------------------------------------------|-------|-------|-------|-------|---------|---------|---------|---------|---------|------|
|                                          |       | 25    | 49    | 23.72 | 4.00    | 27.72   | <=33.01 | Pass    |         |      |
|                                          |       |       | 0     | 22.76 | 4.00    | 26.76   | <=33.01 | Pass    |         |      |
|                                          |       |       | 13    | 22.71 | 4.00    | 26.71   | <=33.01 | Pass    |         |      |
|                                          |       |       | 25    | 22.62 | 4.00    | 26.62   | <=33.01 | Pass    |         |      |
|                                          | 50    | 0     | 22.63 | 4.00  | 26.63   | <=33.01 | Pass    |         |         |      |
|                                          | 1905  | 1     | 0     | 23.88 | 4.00    | 27.88   | <=33.01 | Pass    |         |      |
|                                          |       |       | 25    | 23.99 | 4.00    | 27.99   | <=33.01 | Pass    |         |      |
|                                          |       |       | 49    | 23.77 | 4.00    | 27.77   | <=33.01 | Pass    |         |      |
|                                          |       | 25    | 0     | 22.66 | 4.00    | 26.66   | <=33.01 | Pass    |         |      |
|                                          |       |       | 13    | 22.76 | 4.00    | 26.76   | <=33.01 | Pass    |         |      |
|                                          |       |       | 25    | 22.90 | 4.00    | 26.90   | <=33.01 | Pass    |         |      |
|                                          |       | 50    | 0     | 22.76 | 4.00    | 26.76   | <=33.01 | Pass    |         |      |
|                                          |       | 16QAM | 1855  | 1     | 0       | 23.32   | 4.00    | 27.32   | <=33.01 | Pass |
|                                          |       |       |       |       | 25      | 23.05   | 4.00    | 27.05   | <=33.01 | Pass |
|                                          |       |       |       |       | 49      | 23.10   | 4.00    | 27.10   | <=33.01 | Pass |
|                                          |       |       |       | 25    | 0       | 21.58   | 4.00    | 25.58   | <=33.01 | Pass |
| 13                                       |       |       |       |       | 22.06   | 4.00    | 26.06   | <=33.01 | Pass    |      |
| 25                                       | 21.97 |       |       |       | 4.00    | 25.97   | <=33.01 | Pass    |         |      |
| 50                                       | 0     |       | 21.87 | 4.00  | 25.87   | <=33.01 | Pass    |         |         |      |
| 1880                                     | 1     |       | 0     | 23.11 | 4.00    | 27.11   | <=33.01 | Pass    |         |      |
|                                          |       |       | 25    | 23.11 | 4.00    | 27.11   | <=33.01 | Pass    |         |      |
|                                          |       |       | 49    | 22.84 | 4.00    | 26.84   | <=33.01 | Pass    |         |      |
|                                          | 25    |       | 0     | 22.07 | 4.00    | 26.07   | <=33.01 | Pass    |         |      |
|                                          |       |       | 13    | 22.12 | 4.00    | 26.12   | <=33.01 | Pass    |         |      |
|                                          |       |       | 25    | 22.02 | 4.00    | 26.02   | <=33.01 | Pass    |         |      |
| 50                                       | 0     |       | 21.66 | 4.00  | 25.66   | <=33.01 | Pass    |         |         |      |
| 1905                                     | 1     |       | 0     | 22.65 | 4.00    | 26.65   | <=33.01 | Pass    |         |      |
|                                          |       |       | 25    | 22.68 | 4.00    | 26.68   | <=33.01 | Pass    |         |      |
|                                          |       | 49    | 22.95 | 4.00  | 26.95   | <=33.01 | Pass    |         |         |      |
|                                          | 25    | 0     | 21.69 | 4.00  | 25.69   | <=33.01 | Pass    |         |         |      |
|                                          |       | 13    | 22.01 | 4.00  | 26.01   | <=33.01 | Pass    |         |         |      |
|                                          |       | 25    | 21.94 | 4.00  | 25.94   | <=33.01 | Pass    |         |         |      |
| 50                                       | 0     | 21.73 | 4.00  | 25.73 | <=33.01 | Pass    |         |         |         |      |
| Note1: EIRP=Conducted Power+Antenna Gain |       |       |       |       |         |         |         |         |         |      |

### 1.1.5 B2\_15MHz\_EIRP

| Band: 2 / Bandwidth: 15MHz / NTN |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 1857.5          | 1             | 0      | 23.48                 | 4.00       | 27.48      | <=33.01 | Pass    |
|                                  |                 |               | 38     | 23.45                 | 4.00       | 27.45      | <=33.01 | Pass    |
|                                  |                 |               | 74     | 23.62                 | 4.00       | 27.62      | <=33.01 | Pass    |
|                                  |                 | 36            | 0      | 22.65                 | 4.00       | 26.65      | <=33.01 | Pass    |
|                                  |                 |               | 18     | 22.95                 | 4.00       | 26.95      | <=33.01 | Pass    |
|                                  |                 |               | 39     | 22.76                 | 4.00       | 26.76      | <=33.01 | Pass    |
|                                  | 1880            | 75            | 0      | 22.88                 | 4.00       | 26.88      | <=33.01 | Pass    |
|                                  |                 | 1             | 0      | 23.68                 | 4.00       | 27.68      | <=33.01 | Pass    |
|                                  |                 |               | 38     | 23.68                 | 4.00       | 27.68      | <=33.01 | Pass    |
|                                  |                 |               | 74     | 23.87                 | 4.00       | 27.87      | <=33.01 | Pass    |
|                                  |                 | 36            | 0      | 22.70                 | 4.00       | 26.70      | <=33.01 | Pass    |
|                                  |                 |               | 18     | 23.02                 | 4.00       | 27.02      | <=33.01 | Pass    |
|                                  |                 |               | 39     | 22.69                 | 4.00       | 26.69      | <=33.01 | Pass    |
|                                  |                 | 75            | 0      | 22.77                 | 4.00       | 26.77      | <=33.01 | Pass    |
|                                  | 1902.5          | 1             | 0      | 23.74                 | 4.00       | 27.74      | <=33.01 | Pass    |

|       |        |    |    |       |      |       |         |      |
|-------|--------|----|----|-------|------|-------|---------|------|
| 16QAM | 1857.5 | 36 | 38 | 23.61 | 4.00 | 27.61 | <=33.01 | Pass |
|       |        |    | 74 | 23.56 | 4.00 | 27.56 | <=33.01 | Pass |
|       |        |    | 0  | 22.96 | 4.00 | 26.96 | <=33.01 | Pass |
|       |        | 75 | 18 | 22.94 | 4.00 | 26.94 | <=33.01 | Pass |
|       |        |    | 39 | 22.58 | 4.00 | 26.58 | <=33.01 | Pass |
|       |        |    | 0  | 22.79 | 4.00 | 26.79 | <=33.01 | Pass |
|       | 1880   | 1  | 0  | 23.26 | 4.00 | 27.26 | <=33.01 | Pass |
|       |        |    | 38 | 23.15 | 4.00 | 27.15 | <=33.01 | Pass |
|       |        |    | 74 | 23.04 | 4.00 | 27.04 | <=33.01 | Pass |
|       |        | 36 | 0  | 21.66 | 4.00 | 25.66 | <=33.01 | Pass |
|       |        |    | 18 | 21.64 | 4.00 | 25.64 | <=33.01 | Pass |
|       |        |    | 39 | 21.74 | 4.00 | 25.74 | <=33.01 | Pass |
|       |        | 75 | 0  | 22.00 | 4.00 | 26.00 | <=33.01 | Pass |
|       |        | 1  | 0  | 22.93 | 4.00 | 26.93 | <=33.01 | Pass |
|       |        |    | 38 | 23.07 | 4.00 | 27.07 | <=33.01 | Pass |
|       |        |    | 74 | 22.87 | 4.00 | 26.87 | <=33.01 | Pass |
|       |        | 36 | 0  | 22.00 | 4.00 | 26.00 | <=33.01 | Pass |
|       |        |    | 18 | 21.90 | 4.00 | 25.90 | <=33.01 | Pass |
|       |        |    | 39 | 22.00 | 4.00 | 26.00 | <=33.01 | Pass |
|       |        | 75 | 0  | 22.06 | 4.00 | 26.06 | <=33.01 | Pass |
|       | 1902.5 | 1  | 0  | 23.11 | 4.00 | 27.11 | <=33.01 | Pass |
|       |        |    | 38 | 22.95 | 4.00 | 26.95 | <=33.01 | Pass |
|       |        |    | 74 | 22.92 | 4.00 | 26.92 | <=33.01 | Pass |
|       |        | 36 | 0  | 21.95 | 4.00 | 25.95 | <=33.01 | Pass |
|       |        |    | 18 | 22.00 | 4.00 | 26.00 | <=33.01 | Pass |
|       |        |    | 39 | 21.75 | 4.00 | 25.75 | <=33.01 | Pass |
|       |        | 75 | 0  | 21.82 | 4.00 | 25.82 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.6 B2\_20MHz\_EIRP

| Band: 2 / Bandwidth: 20MHz / NTNv |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 1860            | 1             | 0      | 23.78                 | 4.00       | 27.78      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 23.78                 | 4.00       | 27.78      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 23.58                 | 4.00       | 27.58      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 22.79                 | 4.00       | 26.79      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 22.81                 | 4.00       | 26.81      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.53                 | 4.00       | 26.53      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 22.56                 | 4.00       | 26.56      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 23.54                 | 4.00       | 27.54      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 23.72                 | 4.00       | 27.72      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 23.60                 | 4.00       | 27.60      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 22.88                 | 4.00       | 26.88      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 22.98                 | 4.00       | 26.98      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.66                 | 4.00       | 26.66      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 22.97                 | 4.00       | 26.97      | <=33.01 | Pass    |
|                                   | 1900            | 1             | 0      | 23.56                 | 4.00       | 27.56      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 23.72                 | 4.00       | 27.72      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 23.51                 | 4.00       | 27.51      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 23.01                 | 4.00       | 27.01      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 22.63                 | 4.00       | 26.63      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.66                 | 4.00       | 26.66      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 22.84                 | 4.00       | 26.84      | <=33.01 | Pass    |

|                                          |      |     |    |       |      |       |         |      |
|------------------------------------------|------|-----|----|-------|------|-------|---------|------|
| 16QAM                                    | 1860 | 1   | 0  | 22.87 | 4.00 | 26.87 | <=33.01 | Pass |
|                                          |      |     | 50 | 22.90 | 4.00 | 26.90 | <=33.01 | Pass |
|                                          |      |     | 99 | 23.02 | 4.00 | 27.02 | <=33.01 | Pass |
|                                          |      | 50  | 0  | 21.79 | 4.00 | 25.79 | <=33.01 | Pass |
|                                          |      |     | 25 | 21.63 | 4.00 | 25.63 | <=33.01 | Pass |
|                                          |      |     | 50 | 21.54 | 4.00 | 25.54 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 21.58 | 4.00 | 25.58 | <=33.01 | Pass |
|                                          | 1880 | 1   | 0  | 23.08 | 4.00 | 27.08 | <=33.01 | Pass |
|                                          |      |     | 50 | 23.08 | 4.00 | 27.08 | <=33.01 | Pass |
|                                          |      |     | 99 | 22.83 | 4.00 | 26.83 | <=33.01 | Pass |
|                                          |      | 50  | 0  | 21.97 | 4.00 | 25.97 | <=33.01 | Pass |
|                                          |      |     | 25 | 21.98 | 4.00 | 25.98 | <=33.01 | Pass |
|                                          |      |     | 50 | 21.63 | 4.00 | 25.63 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 21.95 | 4.00 | 25.95 | <=33.01 | Pass |
|                                          | 1900 | 1   | 0  | 23.28 | 4.00 | 27.28 | <=33.01 | Pass |
|                                          |      |     | 50 | 23.15 | 4.00 | 27.15 | <=33.01 | Pass |
|                                          |      |     | 99 | 23.35 | 4.00 | 27.35 | <=33.01 | Pass |
|                                          |      | 50  | 0  | 21.66 | 4.00 | 25.66 | <=33.01 | Pass |
|                                          |      |     | 25 | 21.62 | 4.00 | 25.62 | <=33.01 | Pass |
|                                          |      |     | 50 | 21.80 | 4.00 | 25.80 | <=33.01 | Pass |
|                                          |      | 100 | 0  | 21.73 | 4.00 | 25.73 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain |      |     |    |       |      |       |         |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B2\_1.4MHz

| Band: 2 / Bandwidth: 1.4MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 1850.7          | 6             | 0      | 20         | 3.27          | 10.201           | 0.0055                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 1.942            | 0.0010                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 10.960           | 0.0059                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 6.596            | 0.0036                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 6.332            | 0.0034                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 8.376            | 0.0045                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 7.645            | 0.0041                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 6.164            | 0.0033                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 3.309            | 0.0018                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 0.181            | 0.0001                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 3.476            | 0.0019                | -2.5 to 2.5 | Pass    |
|                             | 1880            | 6             | 0      | 20         | 3.27          | 29.429           | 0.0157                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 17.371           | 0.0092                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 26.336           | 0.0140                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 25.088           | 0.0133                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 8.379            | 0.0045                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 6.713            | 0.0036                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 9.888            | 0.0053                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 1.883            | 0.0010                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 7.763            | 0.0041                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 5.717            | 0.0030                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 5.527            | 0.0029                | -2.5 to 2.5 | Pass    |

|       |        |   |   |     |      |        |         |             |      |
|-------|--------|---|---|-----|------|--------|---------|-------------|------|
|       | 1909.3 | 6 | 0 | 20  | 3.27 | 5.113  | 0.0027  | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 3.85 | 12.468 | 0.0065  | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 4.43 | 16.067 | 0.0084  | -2.5 to 2.5 | Pass |
|       |        |   |   | -30 | 3.85 | 16.531 | 0.0087  | -2.5 to 2.5 | Pass |
|       |        |   |   | -20 | 3.85 | 12.430 | 0.0065  | -2.5 to 2.5 | Pass |
|       |        |   |   | -10 | 3.85 | 24.316 | 0.0127  | -2.5 to 2.5 | Pass |
|       |        |   |   | 0   | 3.85 | 14.126 | 0.0074  | -2.5 to 2.5 | Pass |
|       |        |   |   | 10  | 3.85 | 14.791 | 0.0077  | -2.5 to 2.5 | Pass |
|       |        |   |   | 30  | 3.85 | 9.308  | 0.0049  | -2.5 to 2.5 | Pass |
|       |        |   |   | 40  | 3.85 | 4.695  | 0.0025  | -2.5 to 2.5 | Pass |
| 16QAM | 1850.7 | 6 | 0 | 20  | 3.27 | 1.529  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 3.85 | -0.106 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 4.43 | 8.919  | 0.0048  | -2.5 to 2.5 | Pass |
|       |        |   |   | -30 | 3.85 | 0.836  | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |   |   | -20 | 3.85 | 5.565  | 0.0030  | -2.5 to 2.5 | Pass |
|       |        |   |   | -10 | 3.85 | 0.569  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |   |   | 0   | 3.85 | -5.888 | -0.0032 | -2.5 to 2.5 | Pass |
|       |        |   |   | 10  | 3.85 | -0.099 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |   |   | 30  | 3.85 | -1.649 | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |   |   | 40  | 3.85 | -5.468 | -0.0030 | -2.5 to 2.5 | Pass |
|       | 1880   | 6 | 0 | 20  | 3.27 | -6.051 | -0.0032 | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 3.85 | 4.908  | 0.0026  | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 4.43 | 0.727  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |   |   | -30 | 3.85 | -0.069 | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |   |   | -20 | 3.85 | 1.391  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |   |   | -10 | 3.85 | -5.961 | -0.0032 | -2.5 to 2.5 | Pass |
|       |        |   |   | 0   | 3.85 | 7.111  | 0.0038  | -2.5 to 2.5 | Pass |
|       |        |   |   | 10  | 3.85 | -0.143 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |   |   | 30  | 3.85 | 7.127  | 0.0038  | -2.5 to 2.5 | Pass |
|       |        |   |   | 40  | 3.85 | -2.261 | -0.0012 | -2.5 to 2.5 | Pass |
|       | 1909.3 | 6 | 0 | 20  | 3.27 | 7.388  | 0.0039  | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 3.85 | -2.278 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 4.43 | 6.620  | 0.0035  | -2.5 to 2.5 | Pass |
|       |        |   |   | -30 | 3.85 | -1.613 | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |   |   | -20 | 3.85 | 5.834  | 0.0031  | -2.5 to 2.5 | Pass |
|       |        |   |   | -10 | 3.85 | -3.820 | -0.0020 | -2.5 to 2.5 | Pass |
|       |        |   |   | 0   | 3.85 | 2.608  | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |   |   | 10  | 3.85 | -3.304 | -0.0017 | -2.5 to 2.5 | Pass |
|       |        |   |   | 30  | 3.85 | 8.059  | 0.0042  | -2.5 to 2.5 | Pass |
|       |        |   |   | 40  | 3.85 | 7.001  | 0.0037  | -2.5 to 2.5 | Pass |
|       |        |   |   | 50  | 3.85 | 3.598  | 0.0019  | -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          | 10.570           | 0.0057                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 13.098           | 0.0071                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -0.155           | -0.0001               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 8.113            | 0.0044                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 0.758            | 0.0004                | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |        |        |             |      |
|-------|--------|----|---|-----|------|--------|--------|-------------|------|
|       |        |    |   | -10 | 3.85 | 2.397  | 0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 2.083  | 0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 11.257 | 0.0061 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 10.195 | 0.0055 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 9.492  | 0.0051 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 14.254 | 0.0077 | -2.5 to 2.5 | Pass |
|       | 1880   | 15 | 0 | 20  | 3.27 | 9.104  | 0.0048 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 9.875  | 0.0053 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 9.671  | 0.0051 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 9.653  | 0.0051 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 13.185 | 0.0070 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 8.161  | 0.0043 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 0.230  | 0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 3.196  | 0.0017 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 2.789  | 0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 11.211 | 0.0060 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 15.106 | 0.0080 | -2.5 to 2.5 | Pass |
|       | 1908.5 | 15 | 0 | 20  | 3.27 | 12.364 | 0.0065 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 15.460 | 0.0081 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 3.670  | 0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 8.686  | 0.0046 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 12.463 | 0.0065 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 11.825 | 0.0062 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 3.544  | 0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 12.519 | 0.0066 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 12.426 | 0.0065 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 1.997  | 0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 7.064  | 0.0037 | -2.5 to 2.5 | Pass |
| 16QAM | 1851.5 | 15 | 0 | 20  | 3.27 | 11.719 | 0.0063 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 13.238 | 0.0071 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 2.028  | 0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 3.622  | 0.0020 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 0.381  | 0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 8.148  | 0.0044 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 15.543 | 0.0084 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 9.122  | 0.0049 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 11.792 | 0.0064 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 9.572  | 0.0052 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 1.562  | 0.0008 | -2.5 to 2.5 | Pass |
|       | 1880   | 15 | 0 | 20  | 3.27 | 2.904  | 0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 12.189 | 0.0065 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 6.401  | 0.0034 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 14.072 | 0.0075 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 15.137 | 0.0081 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 12.801 | 0.0068 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 0.455  | 0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 7.271  | 0.0039 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 14.223 | 0.0076 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 4.683  | 0.0025 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 9.463  | 0.0050 | -2.5 to 2.5 | Pass |
|       | 1908.5 | 15 | 0 | 20  | 3.27 | 6.599  | 0.0035 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 3.332  | 0.0017 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 3.693  | 0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 15.465 | 0.0081 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 11.191 | 0.0059 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 9.969  | 0.0052 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 13.736 | 0.0072 | -2.5 to 2.5 | Pass |

|  |  |  |  |    |      |        |        |             |      |
|--|--|--|--|----|------|--------|--------|-------------|------|
|  |  |  |  | 10 | 3.85 | 14.122 | 0.0074 | -2.5 to 2.5 | Pass |
|  |  |  |  | 30 | 3.85 | 2.158  | 0.0011 | -2.5 to 2.5 | Pass |
|  |  |  |  | 40 | 3.85 | 1.952  | 0.0010 | -2.5 to 2.5 | Pass |
|  |  |  |  | 50 | 3.85 | 11.431 | 0.0060 | -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          | 1.470            | 0.0008                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -9.997           | -0.0054               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -4.128           | -0.0022               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 1.640            | 0.0009                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -8.468           | -0.0046               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 1.138            | 0.0006                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -9.751           | -0.0053               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -9.191           | -0.0050               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -9.062           | -0.0049               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -5.636           | -0.0030               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | -10.154          | -0.0055               | -2.5 to 2.5 | Pass    |
|                           | 1880            | 25            | 0      | 20         | 3.27          | 13.388           | 0.0071                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 10.512           | 0.0056                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 10.115           | 0.0054                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 12.784           | 0.0068                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 14.269           | 0.0076                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 11.343           | 0.0060                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 5.388            | 0.0029                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 6.881            | 0.0037                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 10.899           | 0.0058                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -1.078           | -0.0006               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 4.022            | 0.0021                | -2.5 to 2.5 | Pass    |
|                           | 1907.5          | 25            | 0      | 20         | 3.27          | 7.385            | 0.0039                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | -4.825           | -0.0025               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 4.650            | 0.0024                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 2.971            | 0.0016                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 4.555            | 0.0024                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 7.855            | 0.0041                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 4.492            | 0.0024                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 0.531            | 0.0003                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -3.573           | -0.0019               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -1.588           | -0.0008               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 1.351            | 0.0007                | -2.5 to 2.5 | Pass    |
| 16QAM                     | 1852.5          | 25            | 0      | 20         | 3.27          | 3.889            | 0.0021                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 1.754            | 0.0009                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | -2.544           | -0.0014               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | -7.313           | -0.0039               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 4.596            | 0.0025                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -2.679           | -0.0014               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 4.154            | 0.0022                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -7.000           | -0.0038               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -2.349           | -0.0013               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -4.849           | -0.0026               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | -0.874           | -0.0005               | -2.5 to 2.5 | Pass    |
|                           | 1880            | 25            | 0      | 20         | 3.27          | 12.555           | 0.0067                | -2.5 to 2.5 | Pass    |

|  |        |    |   |     |      |        |         |             |      |
|--|--------|----|---|-----|------|--------|---------|-------------|------|
|  |        |    |   |     | 3.85 | 9.422  | 0.0050  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | 5.914  | 0.0031  | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | 5.252  | 0.0028  | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | 9.570  | 0.0051  | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | 15.347 | 0.0082  | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | 2.399  | 0.0013  | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | 7.874  | 0.0042  | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | 8.978  | 0.0048  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | 14.733 | 0.0078  | -2.5 to 2.5 | Pass |
|  | 1907.5 | 25 | 0 | 50  | 3.85 | 1.675  | 0.0009  | -2.5 to 2.5 | Pass |
|  |        |    |   | 20  | 3.27 | 5.086  | 0.0027  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | 1.135  | 0.0006  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | -1.362 | -0.0007 | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | 4.711  | 0.0025  | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | -3.540 | -0.0019 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | -0.615 | -0.0003 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | 2.556  | 0.0013  | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | 2.890  | 0.0015  | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | 5.261  | 0.0028  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | 9.430  | 0.0049  | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | -0.774 | -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          | 9.391            | 0.0051                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 3.646            | 0.0020                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 3.763            | 0.0020                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -1.512           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 4.466            | 0.0024                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -3.064           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 2.337            | 0.0013                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 7.069            | 0.0038                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -6.806           | -0.0037               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 7.800            | 0.0042                | -2.5 to 2.5 | Pass    |
|                            | 1880            | 50            | 0      | 50         | 3.85          | -1.505           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 20         | 3.27          | 7.266            | 0.0039                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 14.249           | 0.0076                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 1.309            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 13.930           | 0.0074                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 9.076            | 0.0048                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 2.453            | 0.0013                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 0.328            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 7.068            | 0.0038                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 8.261            | 0.0044                | -2.5 to 2.5 | Pass    |
|                            | 1905            | 50            | 0      | 40         | 3.85          | 10.081           | 0.0054                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 10.690           | 0.0057                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 20         | 3.27          | 2.419            | 0.0013                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -0.132           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -9.973           | -0.0052               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -7.195           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -8.433           | -0.0044               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -5.330           | -0.0028               | -2.5 to 2.5 | Pass    |

|       |      |    |   |     |      |         |         |             |      |
|-------|------|----|---|-----|------|---------|---------|-------------|------|
|       |      |    |   | 0   | 3.85 | -8.725  | -0.0046 | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | -4.951  | -0.0026 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -5.337  | -0.0028 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | -6.023  | -0.0032 | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | -0.158  | -0.0001 | -2.5 to 2.5 | Pass |
| 16QAM | 1855 | 50 | 0 | 20  | 3.27 | 3.272   | 0.0018  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | -4.474  | -0.0024 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | 5.110   | 0.0028  | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | -6.299  | -0.0034 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | 6.582   | 0.0035  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | -4.290  | -0.0023 | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | 0.859   | 0.0005  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | 4.520   | 0.0024  | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -5.191  | -0.0028 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | 3.851   | 0.0021  | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | 6.459   | 0.0035  | -2.5 to 2.5 | Pass |
|       | 1880 | 50 | 0 | 20  | 3.27 | 11.703  | 0.0062  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | -0.174  | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | 5.744   | 0.0031  | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | 12.315  | 0.0066  | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | 10.907  | 0.0058  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | 14.903  | 0.0079  | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | 4.302   | 0.0023  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | 8.788   | 0.0047  | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | 10.076  | 0.0054  | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | 11.646  | 0.0062  | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | 12.941  | 0.0069  | -2.5 to 2.5 | Pass |
|       | 1905 | 50 | 0 | 20  | 3.27 | -7.074  | -0.0037 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | -8.666  | -0.0045 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | -6.428  | -0.0034 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | -11.033 | -0.0058 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | 0.765   | 0.0004  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | 2.506   | 0.0013  | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | -8.888  | -0.0047 | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | -3.501  | -0.0018 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -9.025  | -0.0047 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | -1.776  | -0.0009 | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | 4.209   | 0.0022  | -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          | 14.523           | 0.0078                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 1.283            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 13.167           | 0.0071                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -0.619           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 3.221            | 0.0017                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 8.834            | 0.0048                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 12.730           | 0.0069                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 11.580           | 0.0062                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 2.322            | 0.0013                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 0.280            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 0.441            | 0.0002                | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |        |         |             |      |
|-------|--------|----|---|-----|------|--------|---------|-------------|------|
|       | 1880   | 75 | 0 | 20  | 3.27 | 2.644  | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 3.586  | 0.0019  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 3.857  | 0.0021  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -0.238 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 11.021 | 0.0059  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 4.727  | 0.0025  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 2.204  | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 7.016  | 0.0037  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 13.810 | 0.0073  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 9.247  | 0.0049  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 14.542 | 0.0077  | -2.5 to 2.5 | Pass |
|       | 1902.5 | 75 | 0 | 20  | 3.27 | 13.711 | 0.0072  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 12.218 | 0.0064  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 12.382 | 0.0065  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 3.944  | 0.0021  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 7.514  | 0.0039  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -1.211 | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 9.766  | 0.0051  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 16.597 | 0.0087  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 7.027  | 0.0037  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 11.120 | 0.0058  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 2.717  | 0.0014  | -2.5 to 2.5 | Pass |
| 16QAM | 1857.5 | 75 | 0 | 20  | 3.27 | 5.591  | 0.0030  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 9.517  | 0.0051  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 11.867 | 0.0064  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 5.883  | 0.0032  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 11.687 | 0.0063  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 0.213  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 11.571 | 0.0062  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -0.239 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 5.063  | 0.0027  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 11.876 | 0.0064  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 3.509  | 0.0019  | -2.5 to 2.5 | Pass |
|       | 1880   | 75 | 0 | 20  | 3.27 | 0.456  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 3.047  | 0.0016  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 11.356 | 0.0060  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 13.472 | 0.0072  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 11.178 | 0.0059  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 12.524 | 0.0067  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 14.043 | 0.0075  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 2.214  | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 11.911 | 0.0063  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 6.046  | 0.0032  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 2.546  | 0.0014  | -2.5 to 2.5 | Pass |
|       | 1902.5 | 75 | 0 | 20  | 3.27 | -1.372 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 5.289  | 0.0028  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 6.032  | 0.0032  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 2.693  | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 10.519 | 0.0055  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -1.237 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 2.702  | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 12.792 | 0.0067  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 0.575  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 3.472  | 0.0018  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 9.287  | 0.0049  | -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          | -3.495           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -3.430           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 2.988            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -7.925           | -0.0043               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 0.932            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 1.812            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -8.482           | -0.0046               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -9.838           | -0.0053               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -8.119           | -0.0044               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -3.975           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -2.623           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 100           | 0      | 20         | 3.27          | 5.963            | 0.0032                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 10.013           | 0.0053                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 13.411           | 0.0071                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 6.835            | 0.0036                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 14.651           | 0.0078                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 13.732           | 0.0073                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 6.190            | 0.0033                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 0.863            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 12.637           | 0.0067                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 10.806           | 0.0057                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 1.266            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            | 1900            | 100           | 0      | 20         | 3.27          | -1.384           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 1.951            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -0.223           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -3.975           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 6.959            | 0.0037                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -4.771           | -0.0025               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 0.980            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 4.469            | 0.0024                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -5.136           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 1.058            | 0.0006                | -2.5 to 2.5 | Pass    |
| 16QAM                      | 1860            | 100           | 0      | 20         | 3.27          | -5.903           | -0.0032               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -9.297           | -0.0050               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -9.122           | -0.0049               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -1.240           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -5.035           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -5.700           | -0.0031               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -6.342           | -0.0034               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 1.972            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -4.612           | -0.0025               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -10.398          | -0.0056               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -1.451           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 100           | 0      | 20         | 3.27          | 0.665            | 0.0004                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 6.237            | 0.0033                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 1.188            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 0.403            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 2.901            | 0.0015                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 7.690            | 0.0041                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 12.565           | 0.0067                | -2.5 to 2.5 | Pass    |

|  |      |     |   |     |      |        |         |             |      |
|--|------|-----|---|-----|------|--------|---------|-------------|------|
|  |      |     |   | 10  | 3.85 | -0.722 | -0.0004 | -2.5 to 2.5 | Pass |
|  |      |     |   | 30  | 3.85 | 14.136 | 0.0075  | -2.5 to 2.5 | Pass |
|  |      |     |   | 40  | 3.85 | 5.990  | 0.0032  | -2.5 to 2.5 | Pass |
|  |      |     |   | 50  | 3.85 | 3.559  | 0.0019  | -2.5 to 2.5 | Pass |
|  | 1900 | 100 | 0 | 20  | 3.27 | 4.065  | 0.0021  | -2.5 to 2.5 | Pass |
|  |      |     |   |     | 3.85 | 3.113  | 0.0016  | -2.5 to 2.5 | Pass |
|  |      |     |   |     | 4.43 | 9.943  | 0.0052  | -2.5 to 2.5 | Pass |
|  |      |     |   | -30 | 3.85 | 1.446  | 0.0008  | -2.5 to 2.5 | Pass |
|  |      |     |   | -20 | 3.85 | 2.235  | 0.0012  | -2.5 to 2.5 | Pass |
|  |      |     |   | -10 | 3.85 | 7.129  | 0.0038  | -2.5 to 2.5 | Pass |
|  |      |     |   | 0   | 3.85 | 1.225  | 0.0006  | -2.5 to 2.5 | Pass |
|  |      |     |   | 10  | 3.85 | 9.128  | 0.0048  | -2.5 to 2.5 | Pass |
|  |      |     |   | 30  | 3.85 | 5.349  | 0.0028  | -2.5 to 2.5 | Pass |
|  |      |     |   | 40  | 3.85 | 5.377  | 0.0028  | -2.5 to 2.5 | Pass |
|  |      |     |   | 50  | 3.85 | -2.929 | -0.0015 | -2.5 to 2.5 | Pass |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 Band2\_OBW

| Band: 2 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 1850.7          | 6             | 0      | 1.110                        | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.125                        | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.104                        | /     | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.105                        | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.109                        | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.109                        | /     | Pass    |
| 3               | QPSK       | 1851.5          | 15            | 0      | 2.745                        | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 2.750                        | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.747                        | /     | Pass    |
|                 | 16QAM      | 1851.5          | 15            | 0      | 2.738                        | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 2.747                        | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.745                        | /     | Pass    |
| 5               | QPSK       | 1852.5          | 25            | 0      | 4.571                        | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 4.549                        | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.565                        | /     | Pass    |
|                 | 16QAM      | 1852.5          | 25            | 0      | 4.557                        | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 4.574                        | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.554                        | /     | Pass    |
| 10              | QPSK       | 1855            | 50            | 0      | 9.057                        | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.049                        | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 9.064                        | /     | Pass    |
|                 | 16QAM      | 1855            | 50            | 0      | 9.048                        | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.089                        | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 9.073                        | /     | Pass    |
| 15              | QPSK       | 1857.5          | 75            | 0      | 13.560                       | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 13.582                       | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.619                       | /     | Pass    |
|                 | 16QAM      | 1857.5          | 75            | 0      | 13.552                       | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 13.618                       | /     | Pass    |

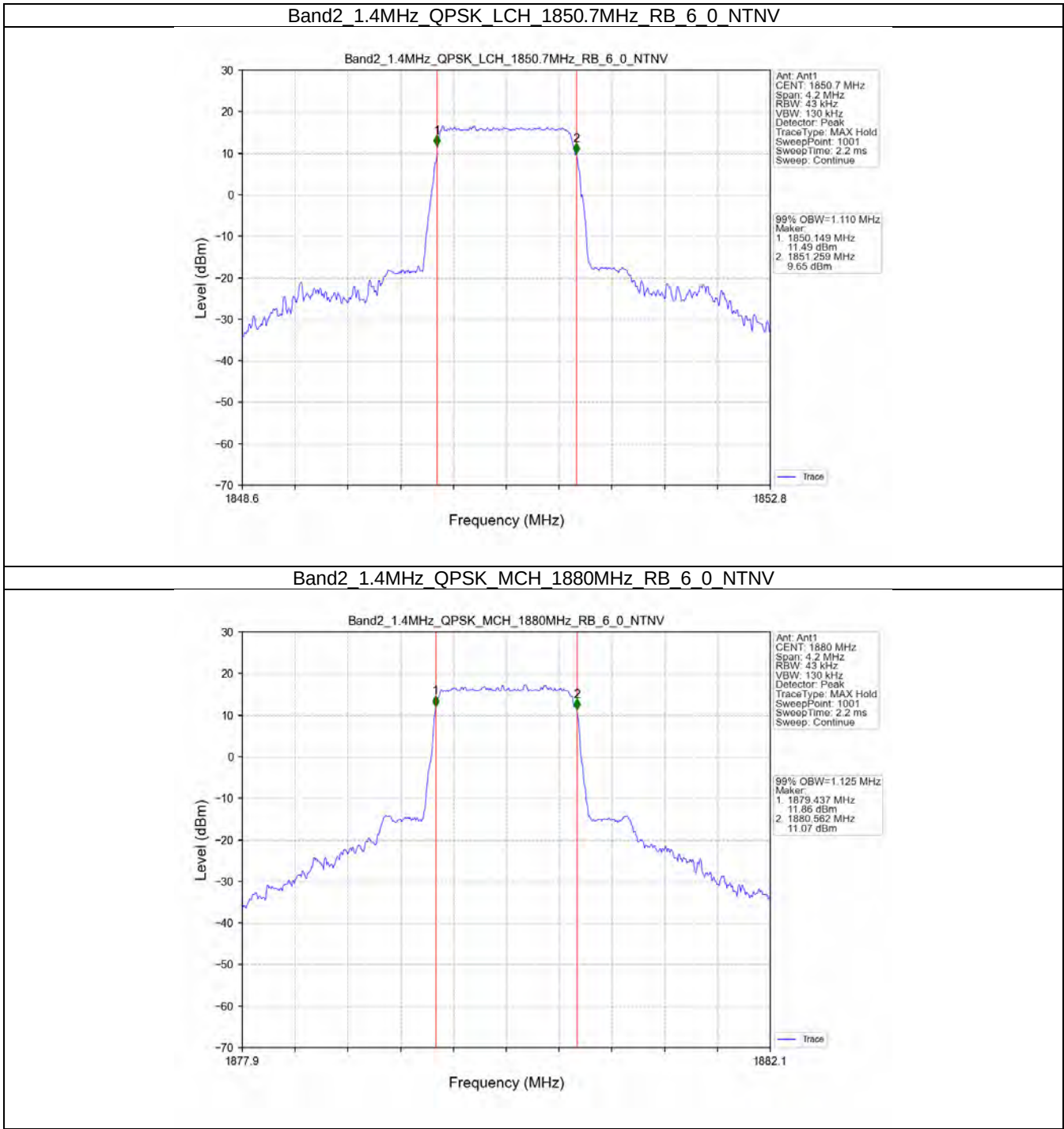
|    |       |        |     |   |        |   |      |
|----|-------|--------|-----|---|--------|---|------|
|    |       | 1902.5 | 75  | 0 | 13.568 | / | Pass |
| 20 | QPSK  | 1860   | 100 | 0 | 18.017 | / | Pass |
|    |       | 1880   | 100 | 0 | 18.088 | / | Pass |
|    |       | 1900   | 100 | 0 | 18.051 | / | Pass |
|    |       | 1860   | 100 | 0 | 18.056 | / | Pass |
|    | 16QAM | 1880   | 100 | 0 | 18.154 | / | Pass |
|    |       | 1900   | 100 | 0 | 18.100 | / | Pass |

### 3.1.2 Band2\_XDB

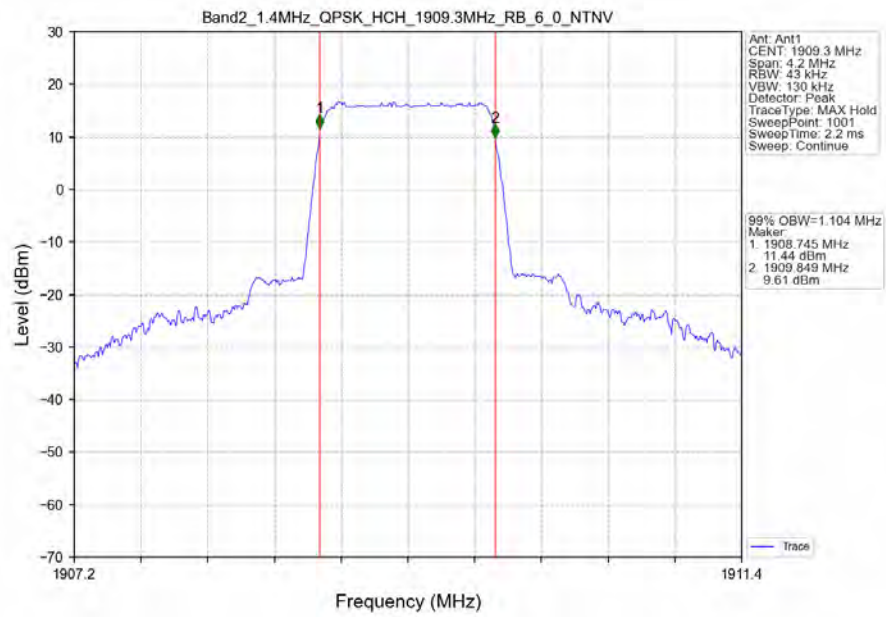
| Band: 2 / NTN   |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 1850.7          | 6             | 0      | 1.272                | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.268                | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.263                | /     | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.252                | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.274                | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.257                | /     | Pass    |
| 3               | QPSK       | 1851.5          | 15            | 0      | 3.056                | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 3.070                | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 3.081                | /     | Pass    |
|                 | 16QAM      | 1851.5          | 15            | 0      | 3.062                | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 3.098                | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 3.077                | /     | Pass    |
| 5               | QPSK       | 1852.5          | 25            | 0      | 5.037                | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 5.062                | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 5.061                | /     | Pass    |
|                 | 16QAM      | 1852.5          | 25            | 0      | 5.030                | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 5.076                | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 5.082                | /     | Pass    |
| 10              | QPSK       | 1855            | 50            | 0      | 10.001               | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.978                | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 9.974                | /     | Pass    |
|                 | 16QAM      | 1855            | 50            | 0      | 9.972                | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.913                | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 10.004               | /     | Pass    |
| 15              | QPSK       | 1857.5          | 75            | 0      | 14.984               | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 15.030               | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 14.929               | /     | Pass    |
|                 | 16QAM      | 1857.5          | 75            | 0      | 14.949               | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 15.060               | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 15.031               | /     | Pass    |
| 20              | QPSK       | 1860            | 100           | 0      | 19.666               | /     | Pass    |
|                 |            | 1880            | 100           | 0      | 19.920               | /     | Pass    |
|                 |            | 1900            | 100           | 0      | 19.764               | /     | Pass    |
|                 | 16QAM      | 1860            | 100           | 0      | 19.798               | /     | Pass    |
|                 |            | 1880            | 100           | 0      | 19.860               | /     | Pass    |
|                 |            | 1900            | 100           | 0      | 19.810               | /     | Pass    |

3.2 Test Graph

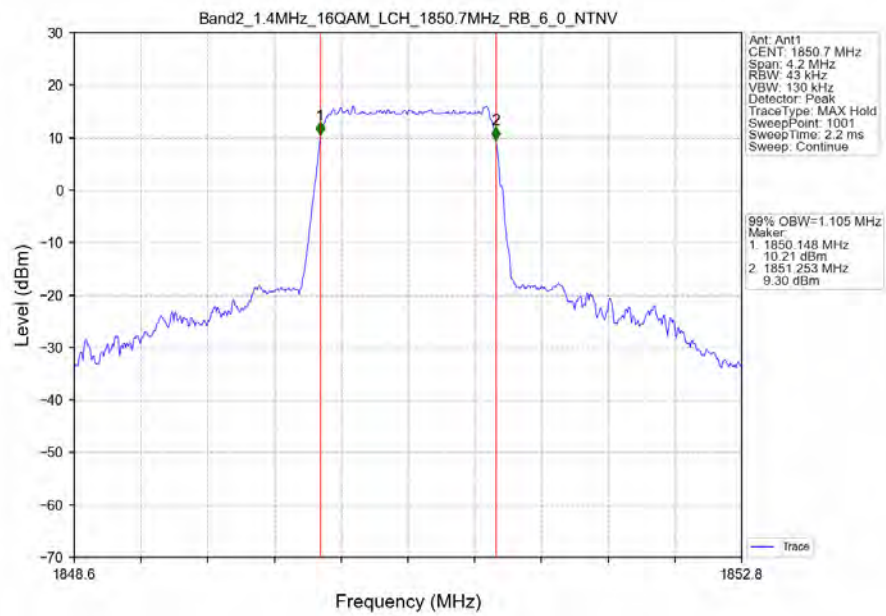
3.2.1 Band2\_OBW



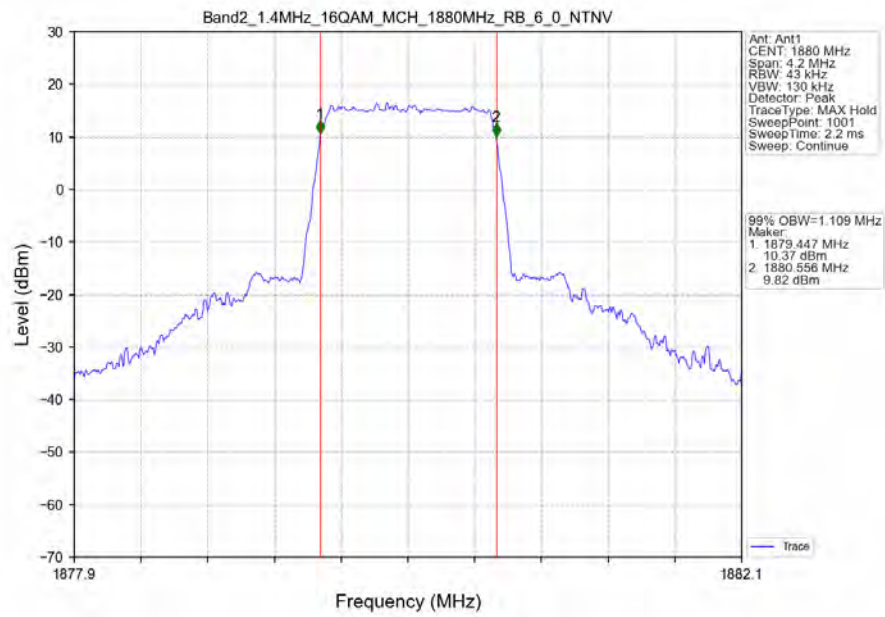
# Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



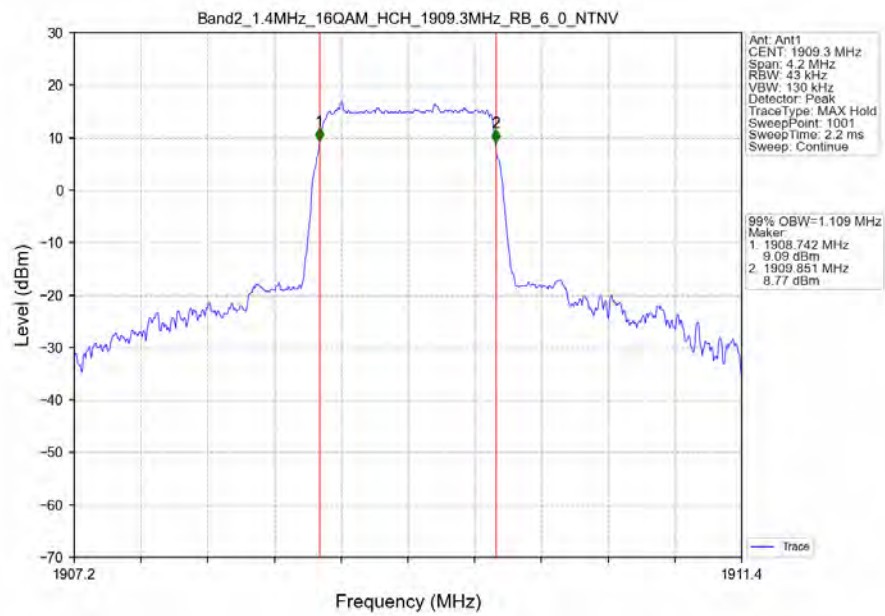
# Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



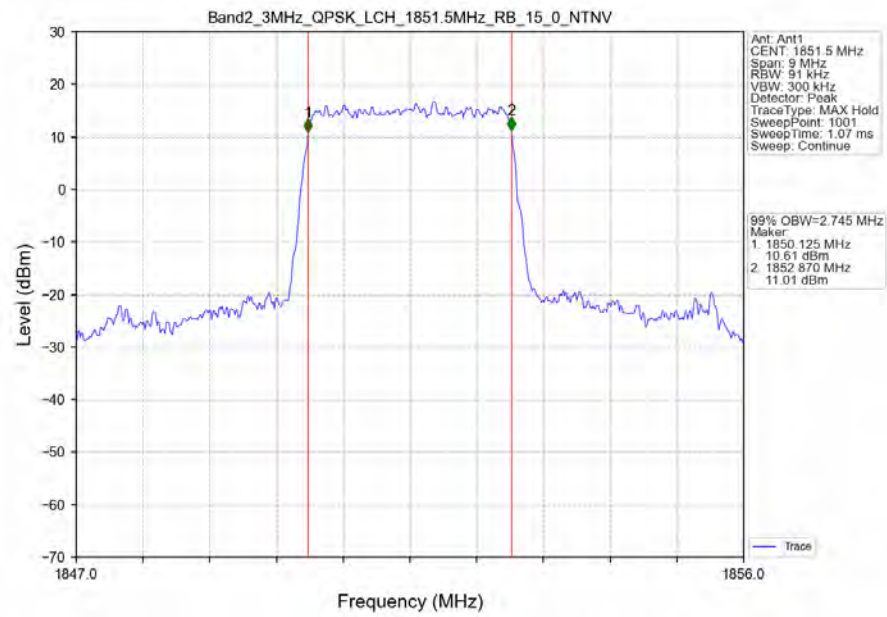
# Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_6\_0\_NTNV



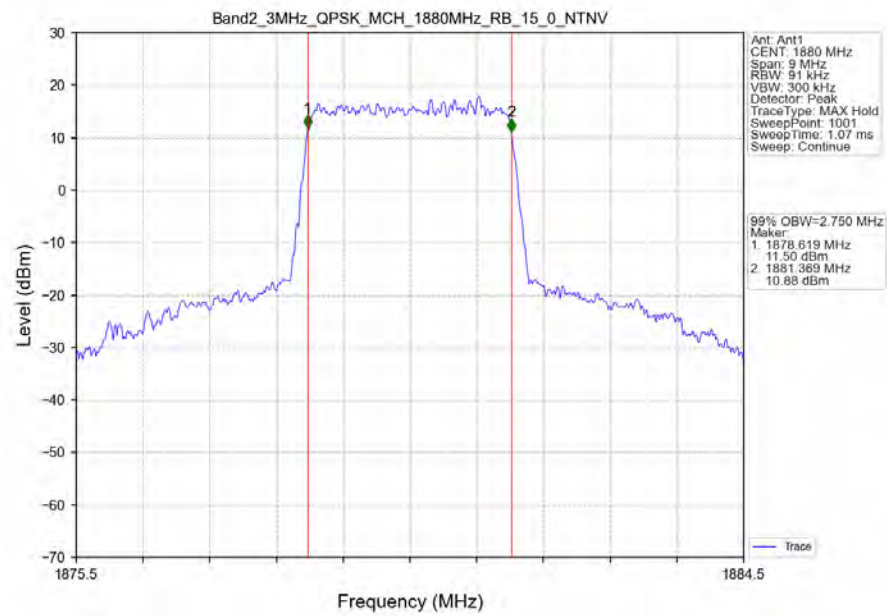
# Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



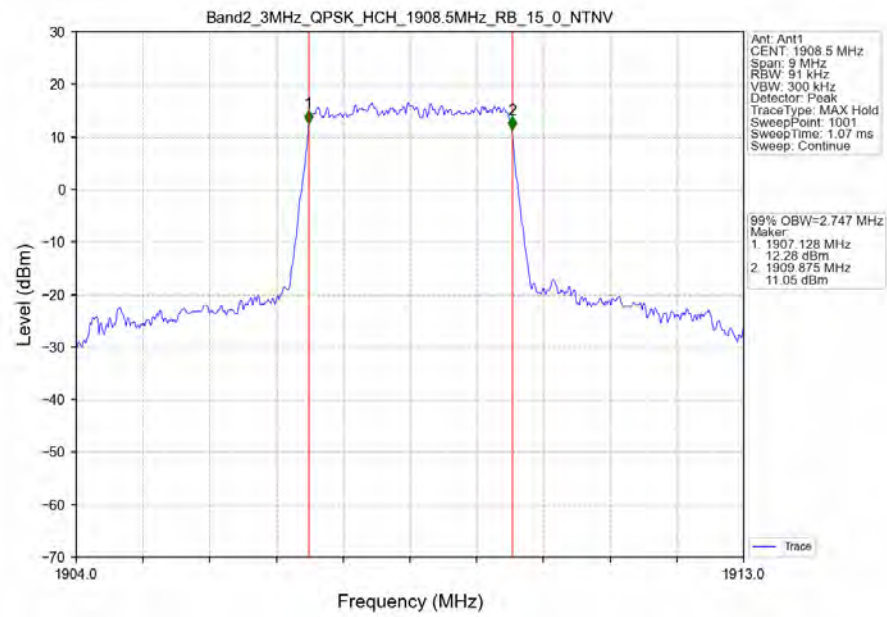
# Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



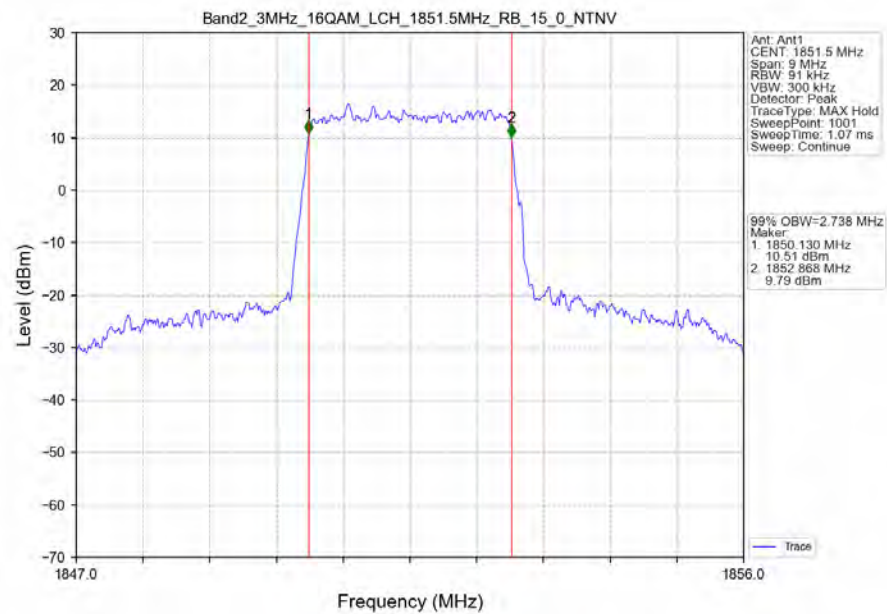
# Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_15\_0\_NTNV



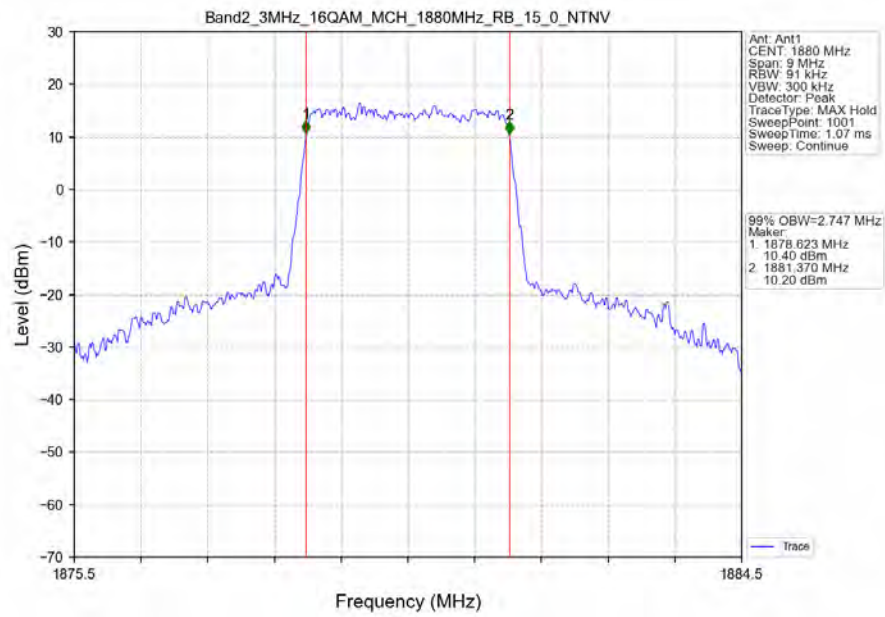
# Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



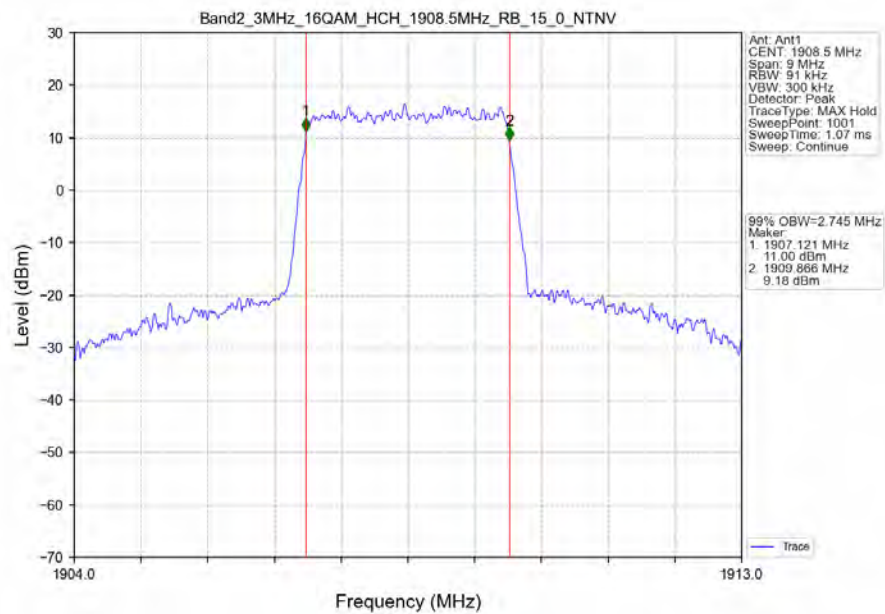
# Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



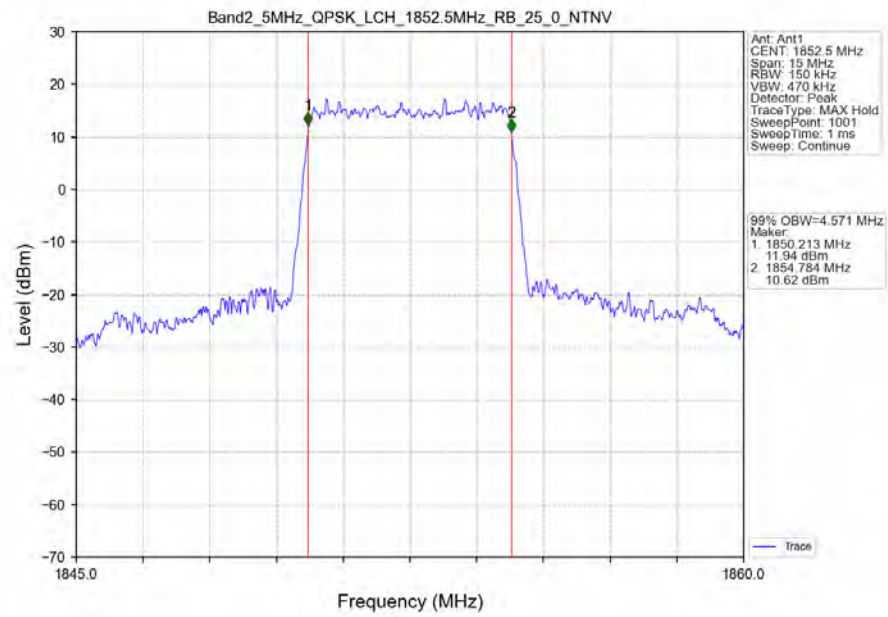
# Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_15\_0\_NTNV



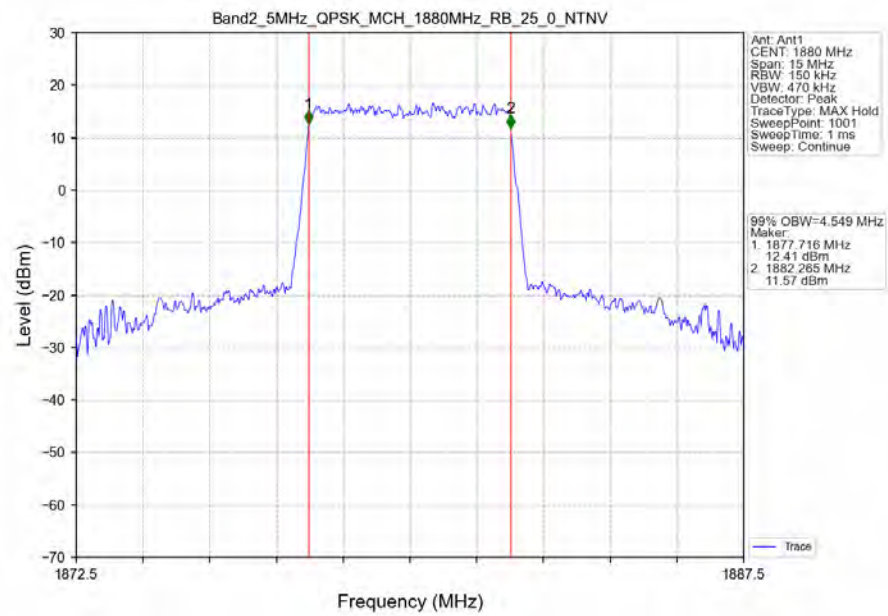
# Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



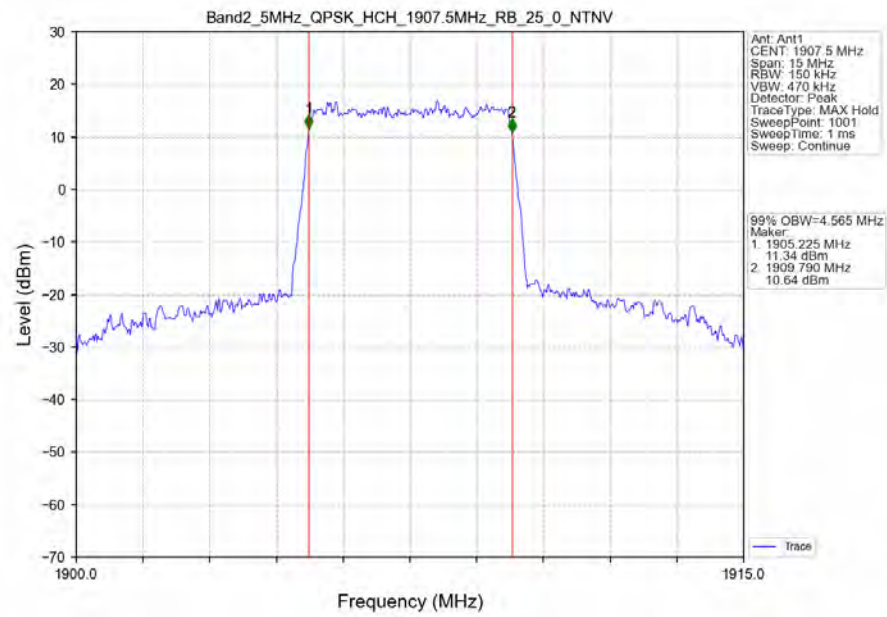
# Band2\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



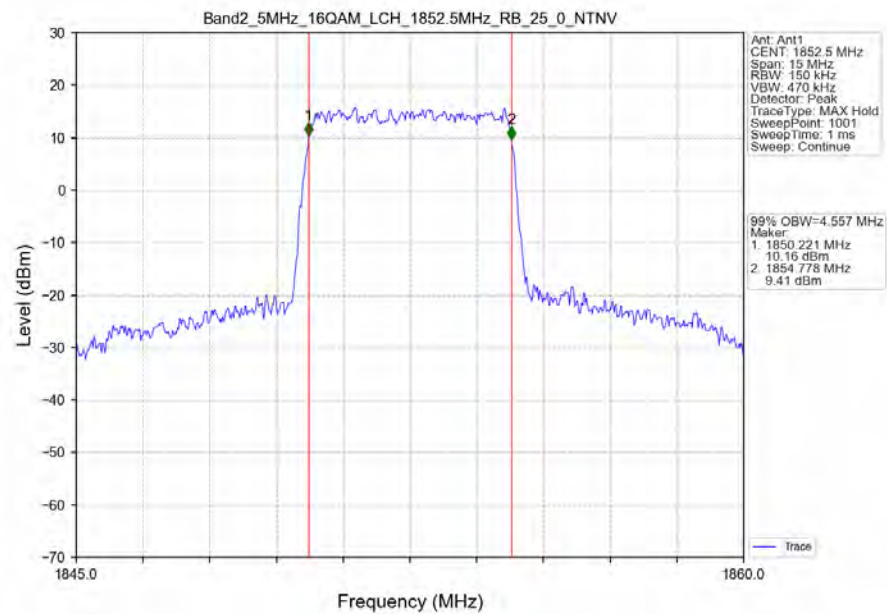
# Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_25\_0\_NTNV



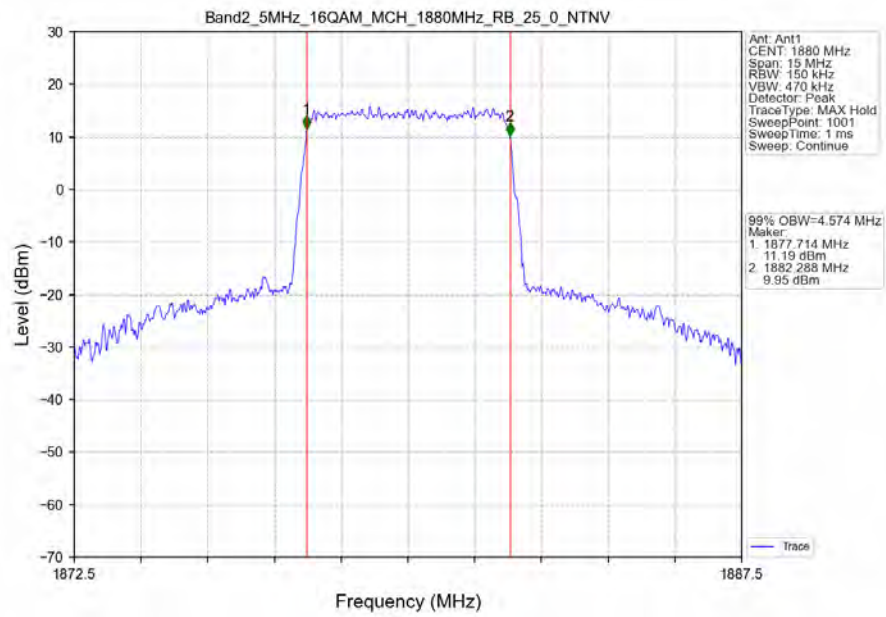
# Band2\_5MHz\_QPSK\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



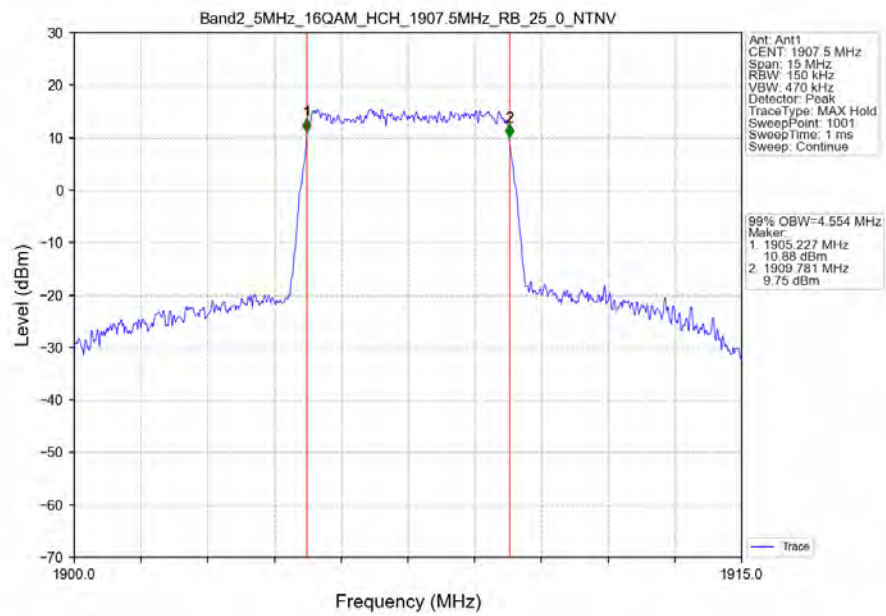
# Band2\_5MHz\_16QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



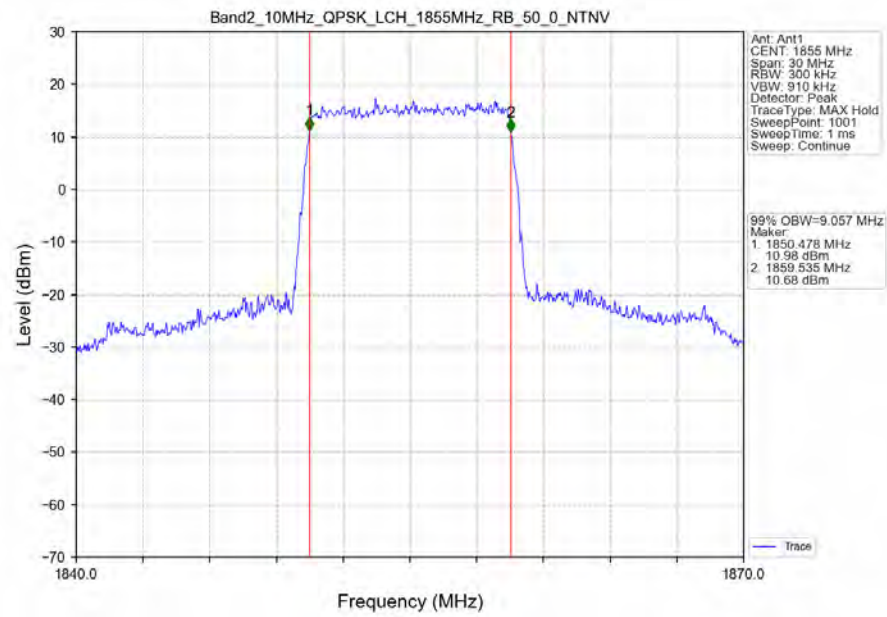
# Band2\_5MHz\_16QAM\_MCH\_1880MHz\_RB\_25\_0\_NTNV



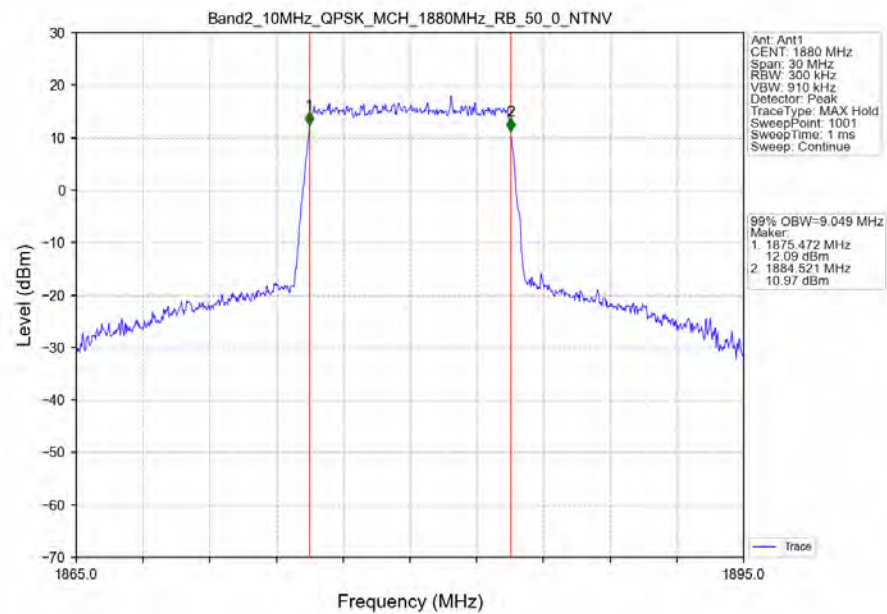
# Band2\_5MHz\_16QAM\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



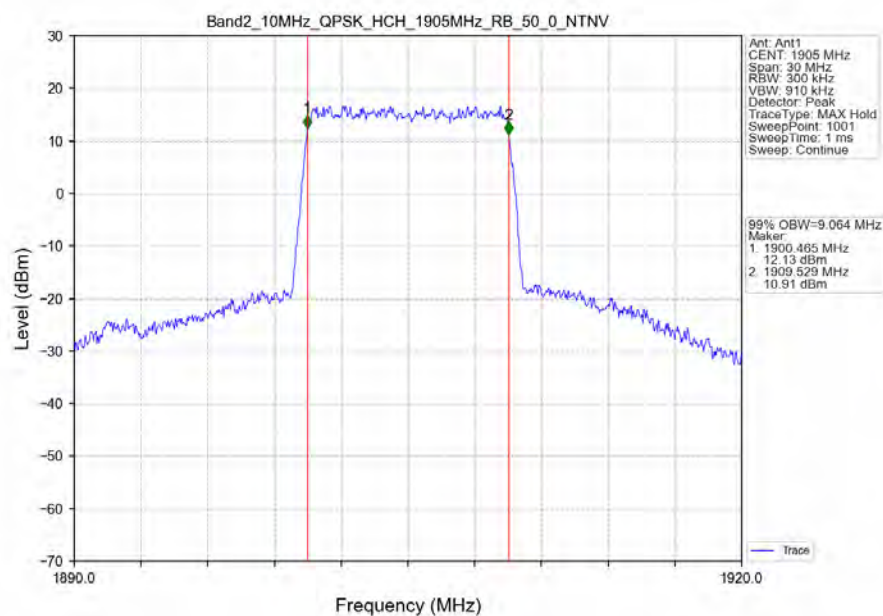
# Band2\_10MHz\_QPSK\_LCH\_1855MHz\_RB\_50\_0\_NTNV



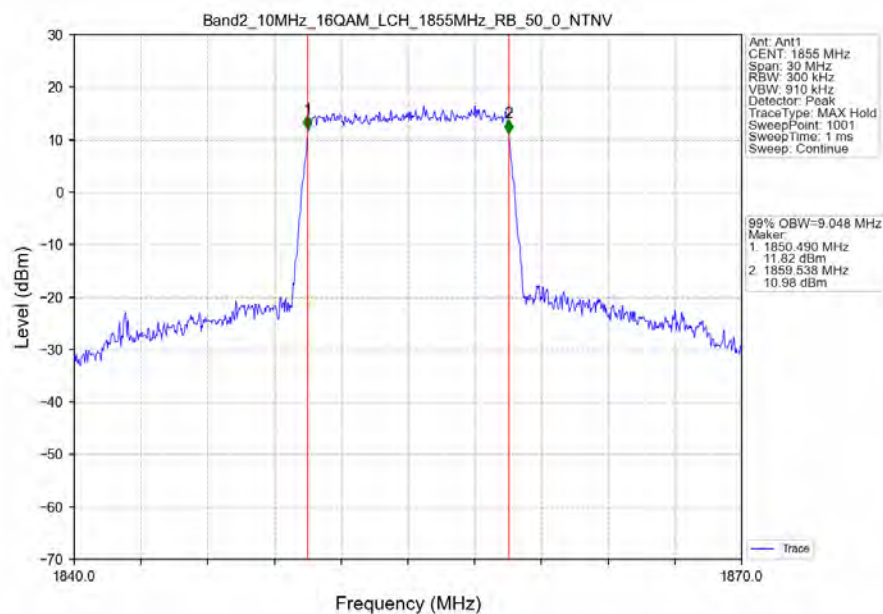
# Band2\_10MHz\_QPSK\_MCH\_1880MHz\_RB\_50\_0\_NTNV



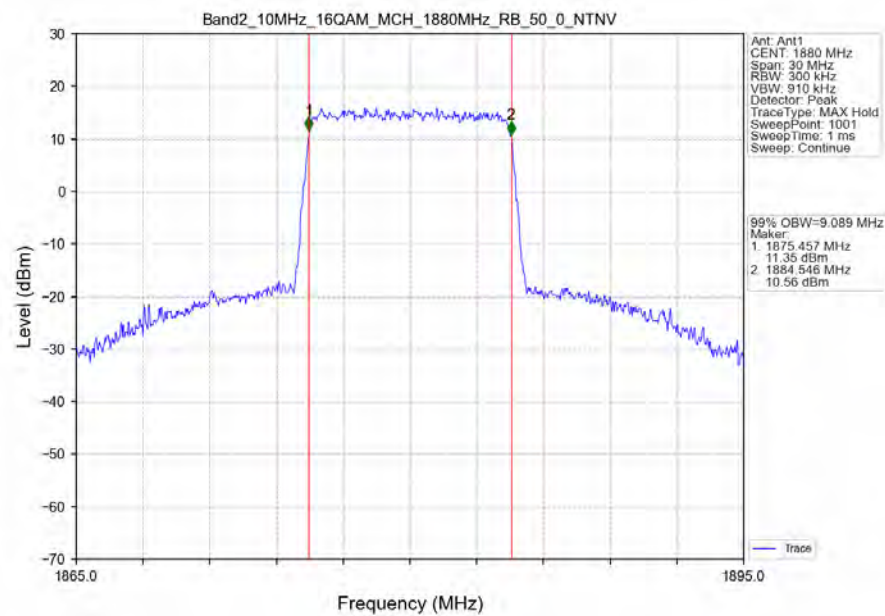
# Band2\_10MHz\_QPSK\_HCH\_1905MHz\_RB\_50\_0\_NTNV



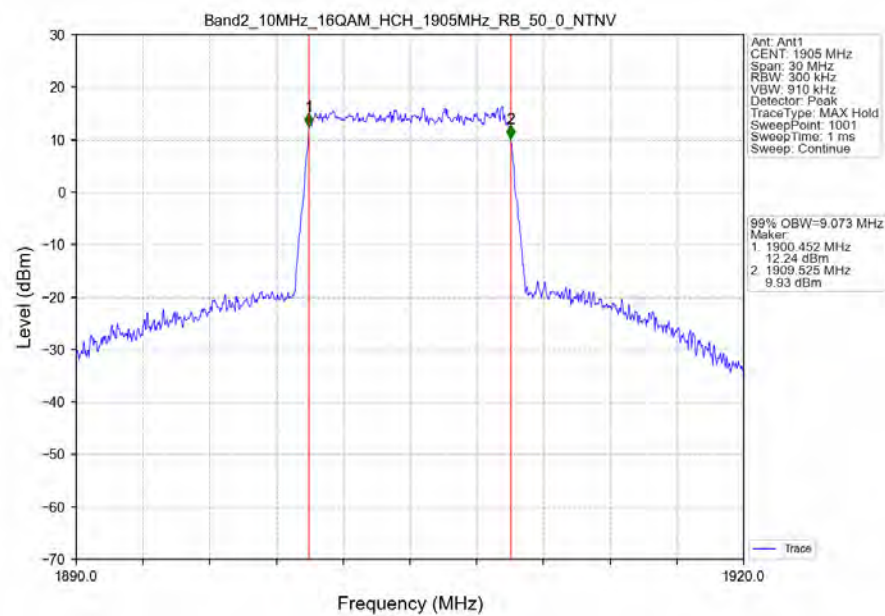
# Band2\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV



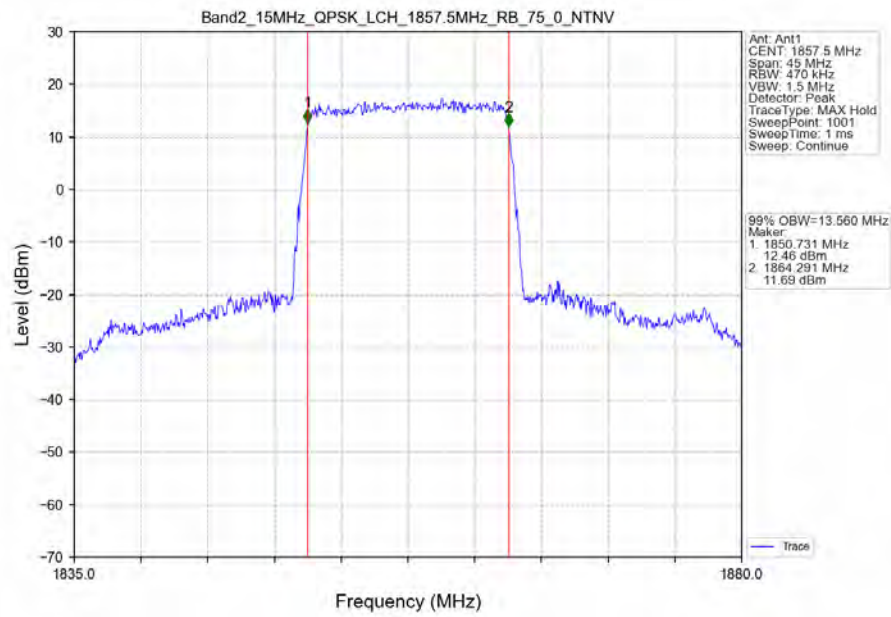
# Band2\_10MHz\_16QAM\_MCH\_1880MHz\_RB\_50\_0\_NTNV



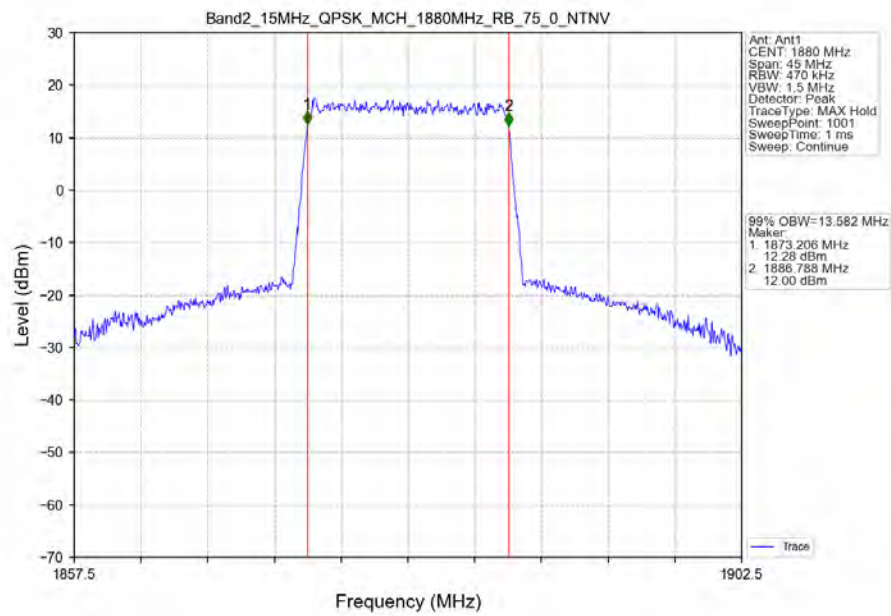
# Band2\_10MHz\_16QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV



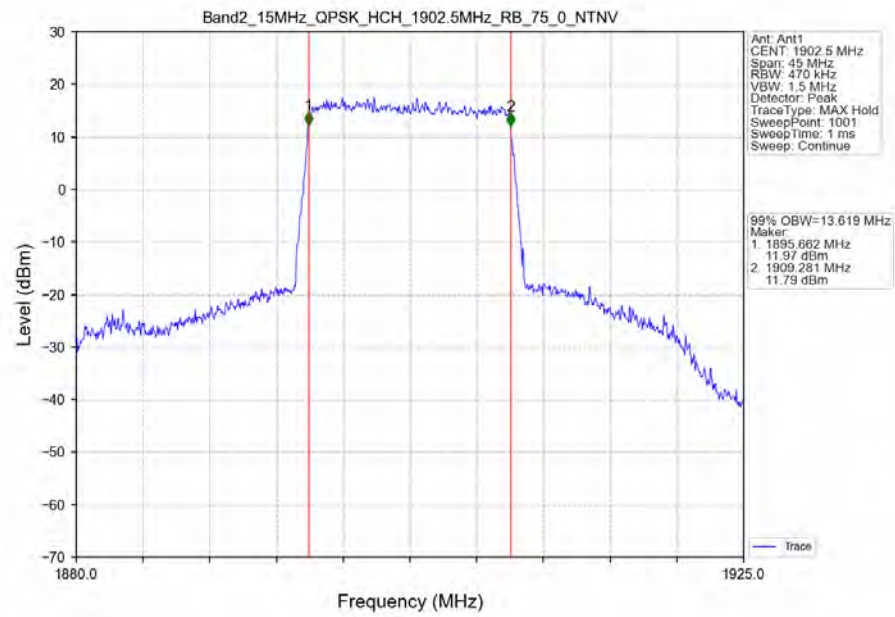
# Band2\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



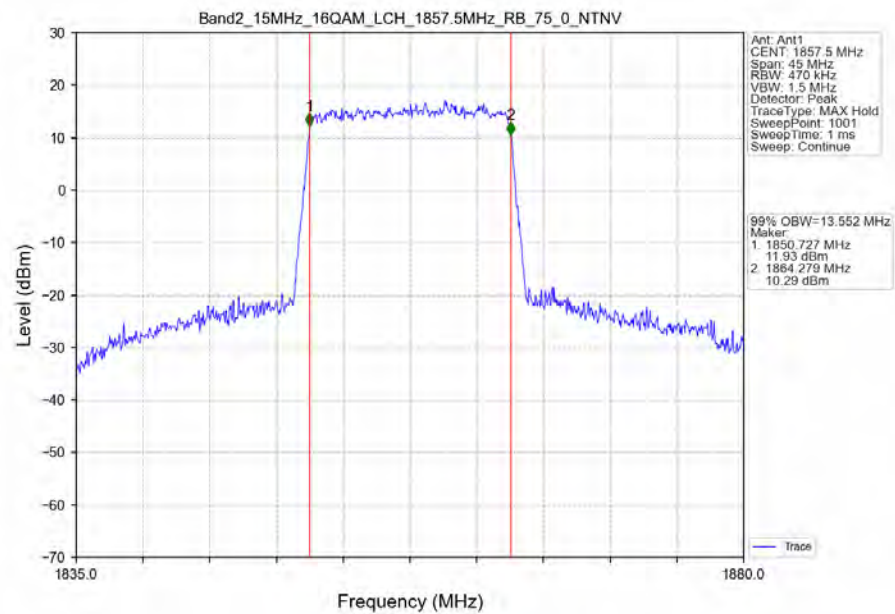
# Band2\_15MHz\_QPSK\_MCH\_1880MHz\_RB\_75\_0\_NTNV



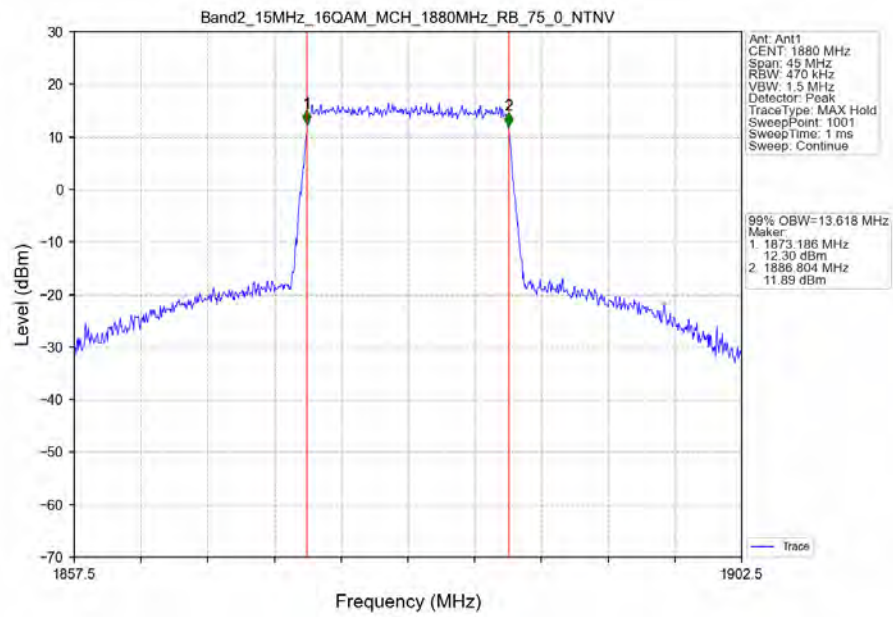
Band2\_15MHz\_QPSK\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



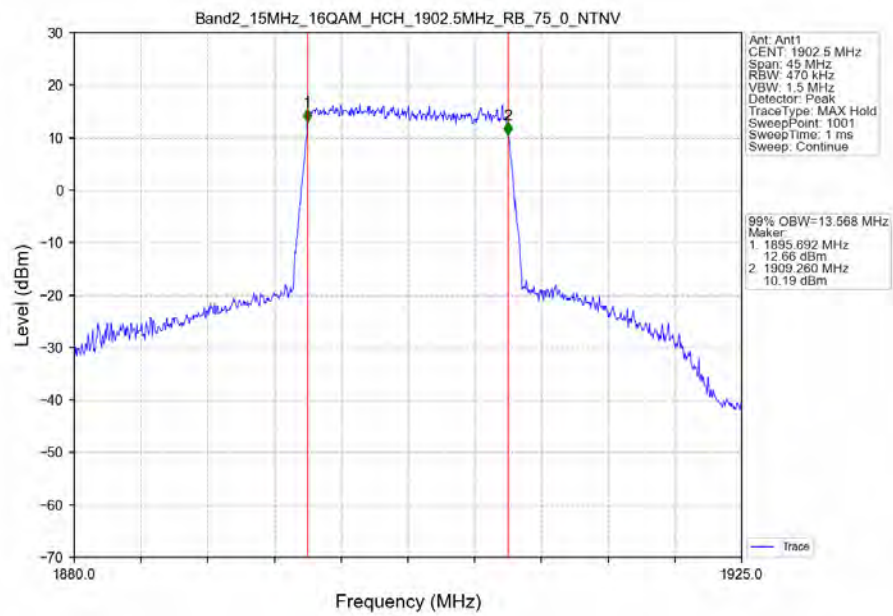
Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



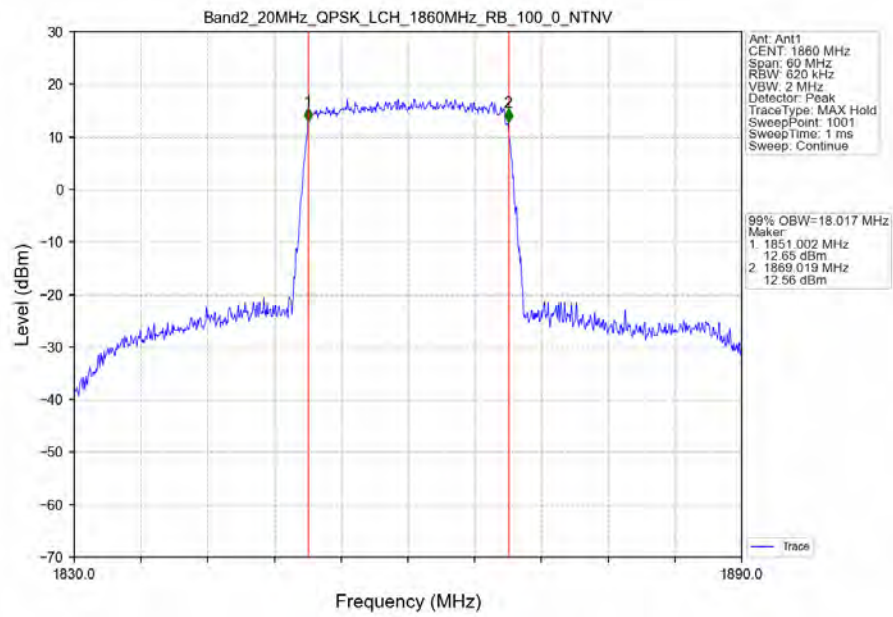
Band2\_15MHz\_16QAM\_MCH\_1880MHz\_RB\_75\_0\_NTNV



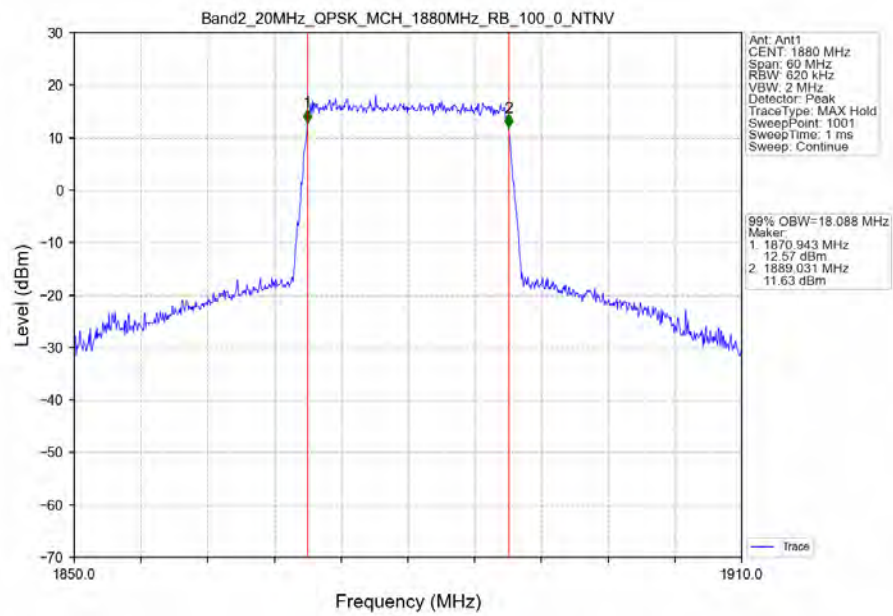
Band2\_15MHz\_16QAM\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



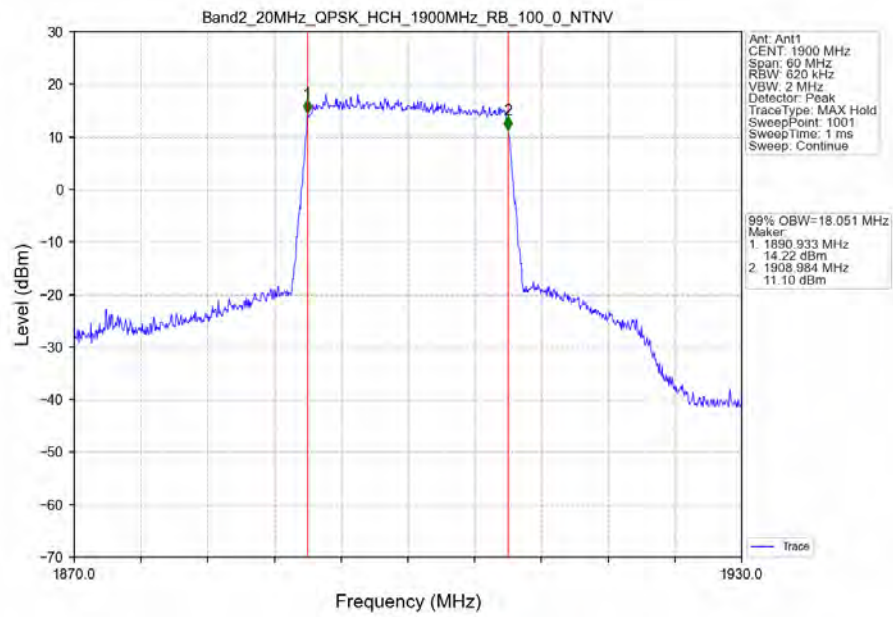
# Band2\_20MHz\_QPSK\_LCH\_1860MHz\_RB\_100\_0\_NTNV



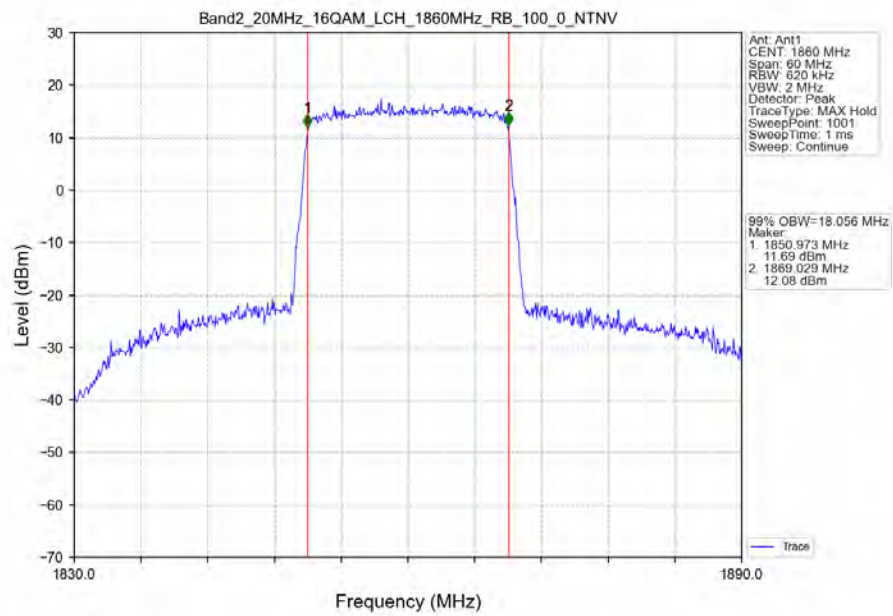
# Band2\_20MHz\_QPSK\_MCH\_1880MHz\_RB\_100\_0\_NTNV



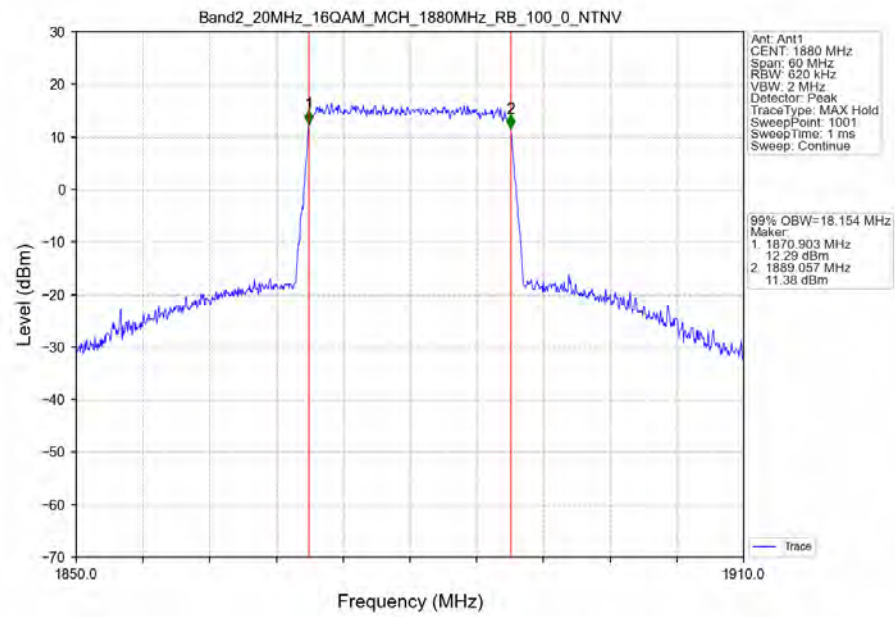
# Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



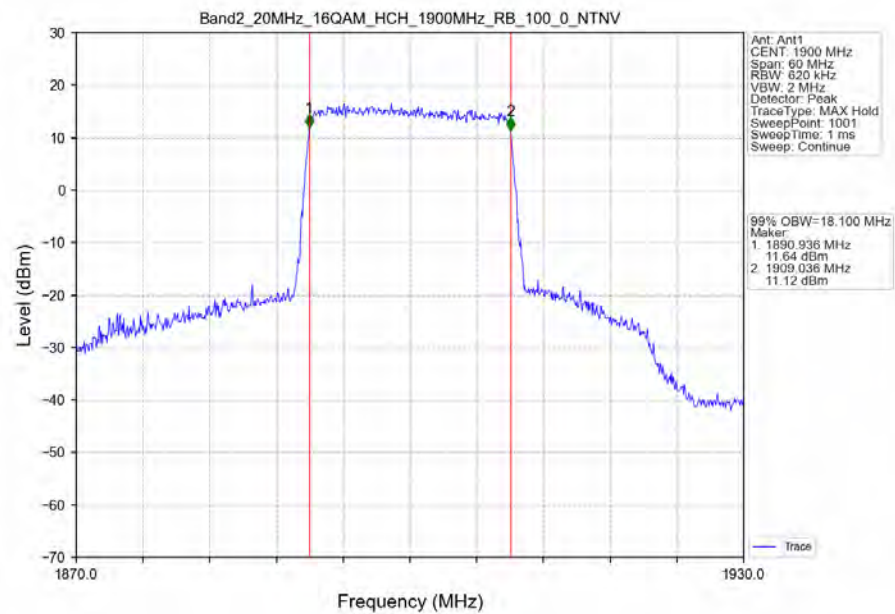
# Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV



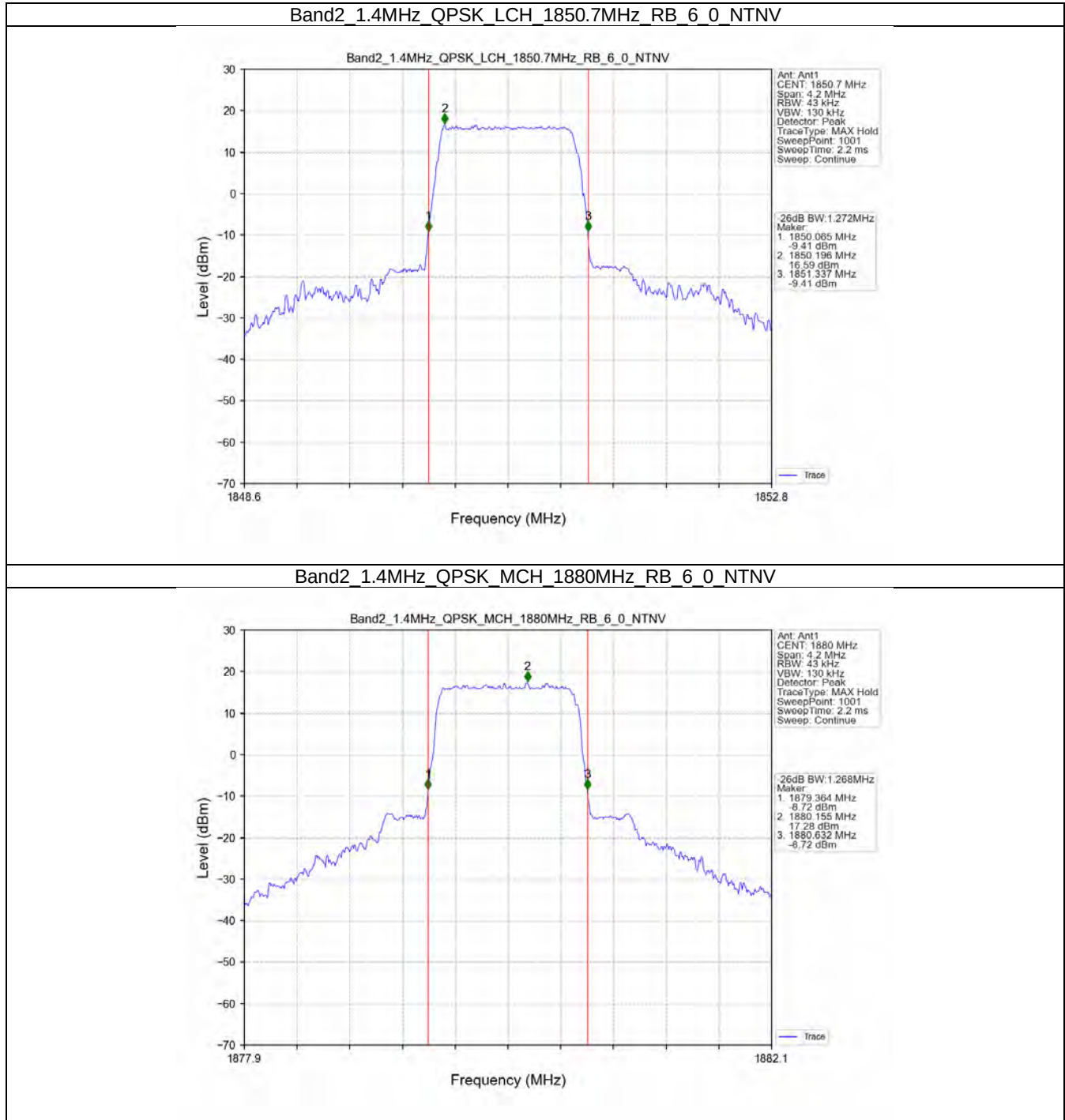
Band2\_20MHz\_16QAM\_MCH\_1880MHz\_RB\_100\_0\_NTNV



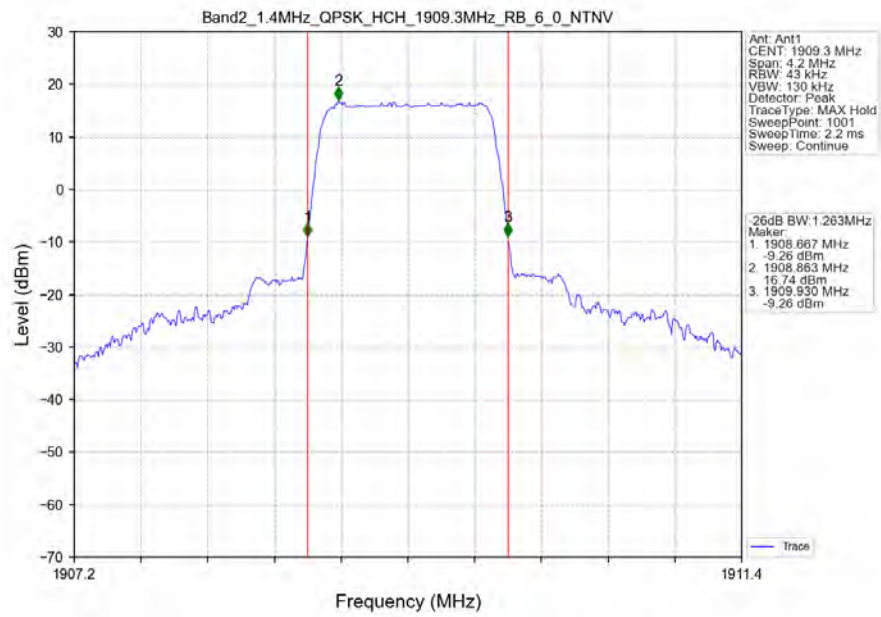
Band2\_20MHz\_16QAM\_HCH\_1900MHz\_RB\_100\_0\_NTNV



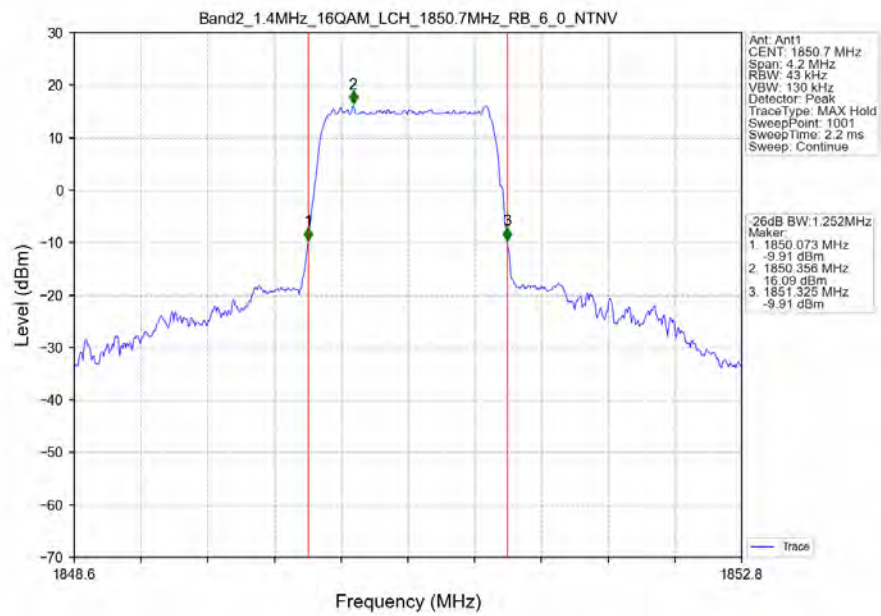
### 3.2.2 Band2\_XDB



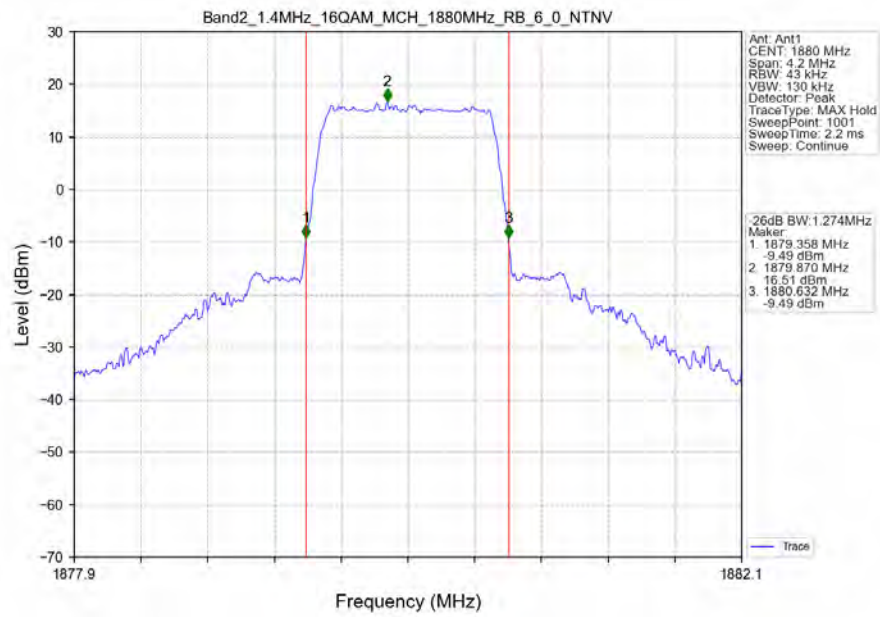
# Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



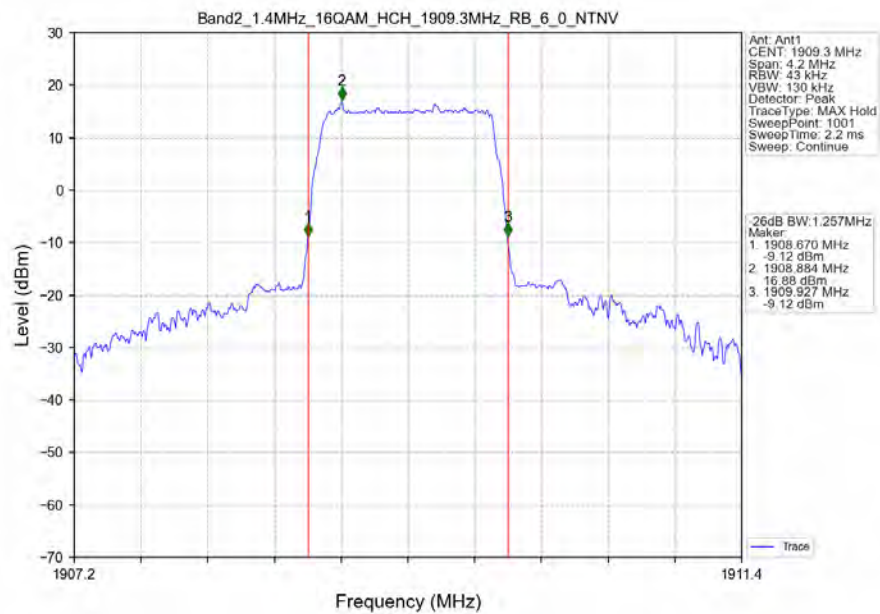
# Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



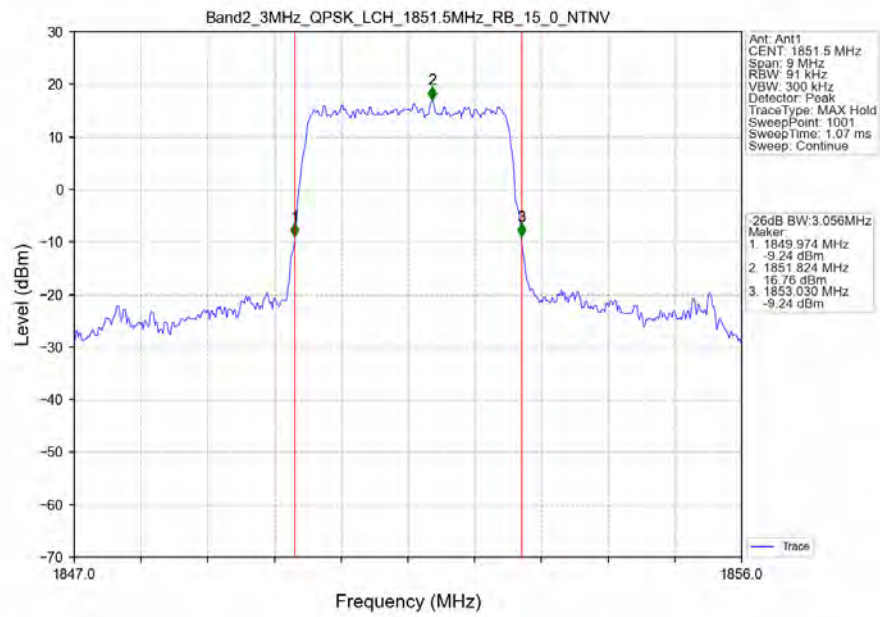
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_6\_0\_NTNV



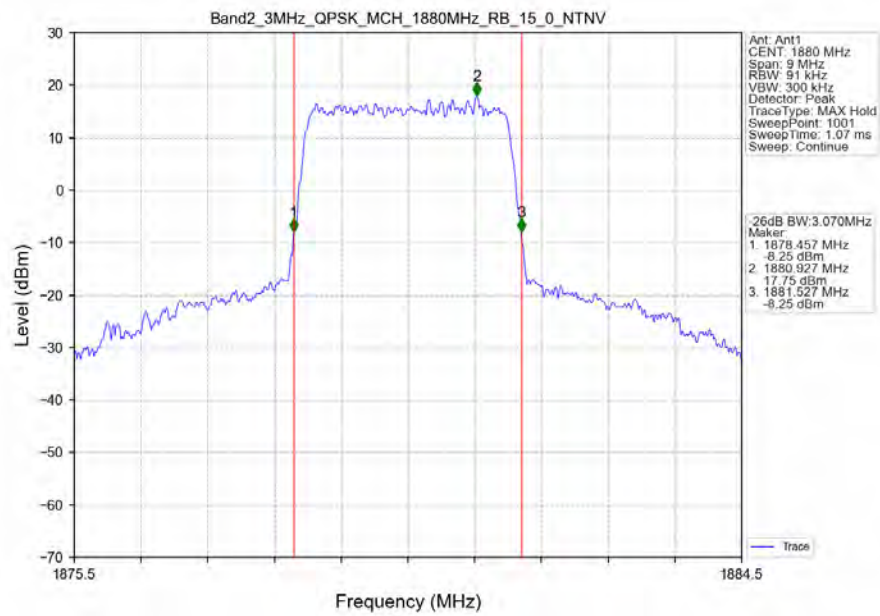
Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



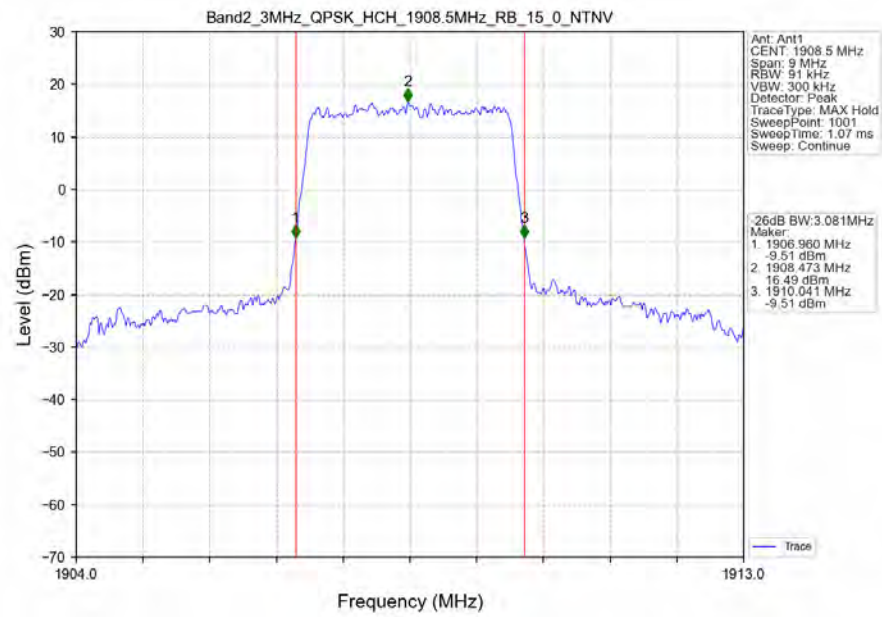
# Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



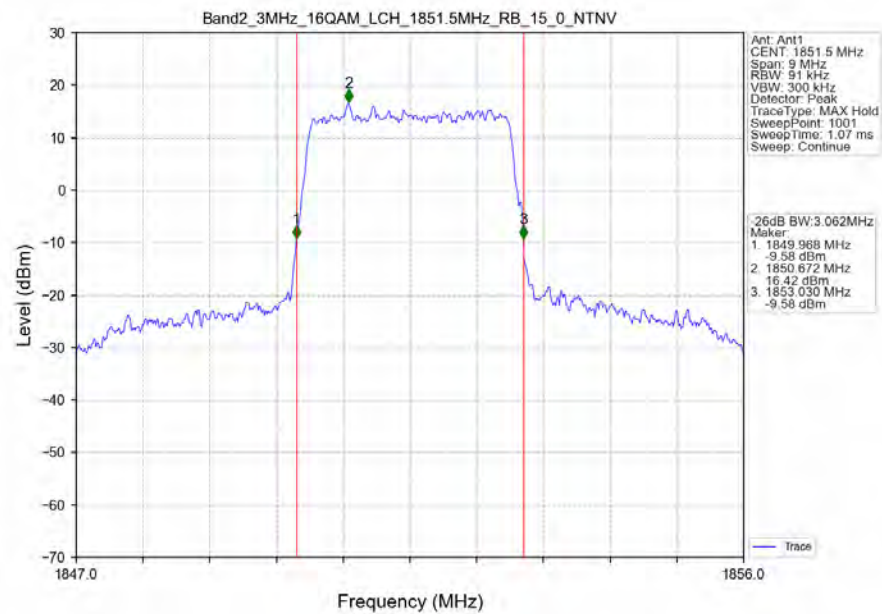
# Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_15\_0\_NTNV



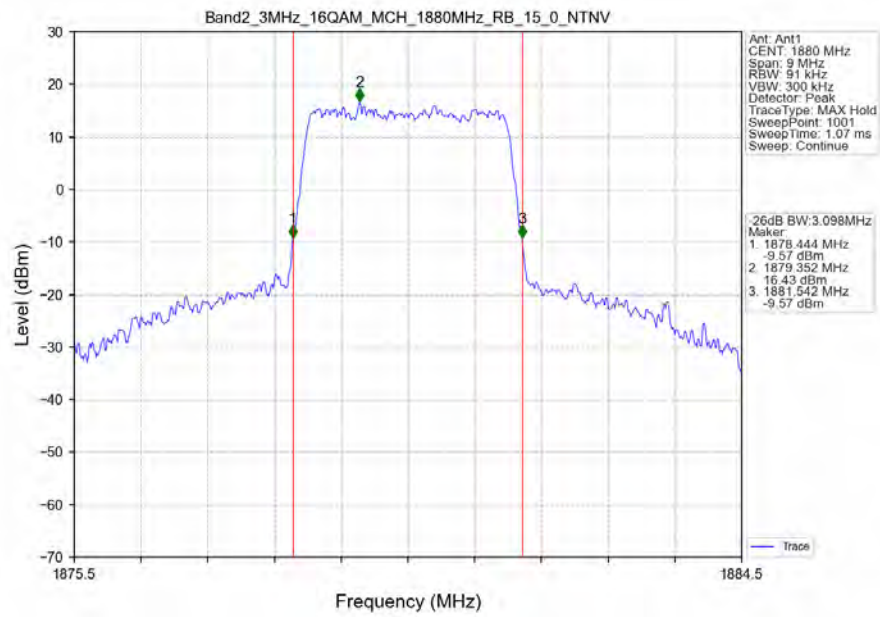
# Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



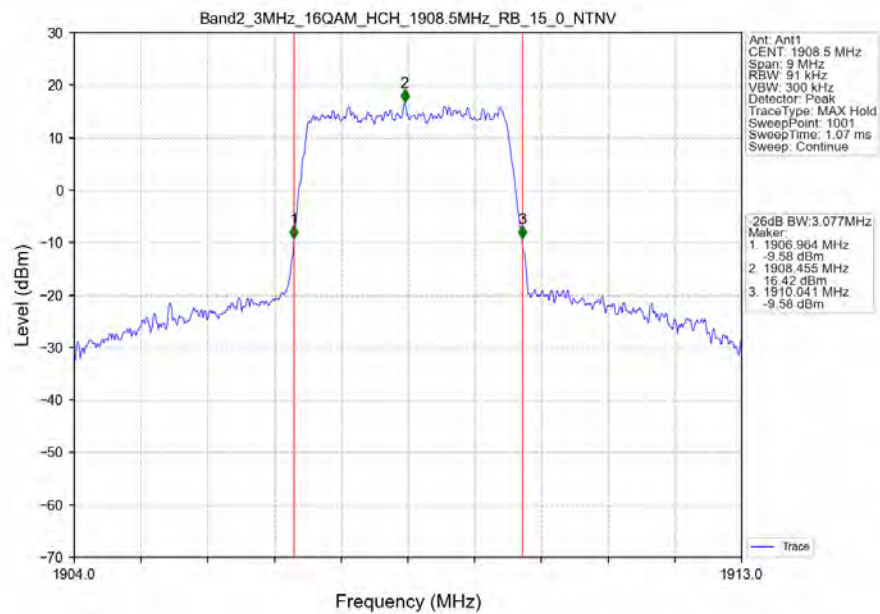
# Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



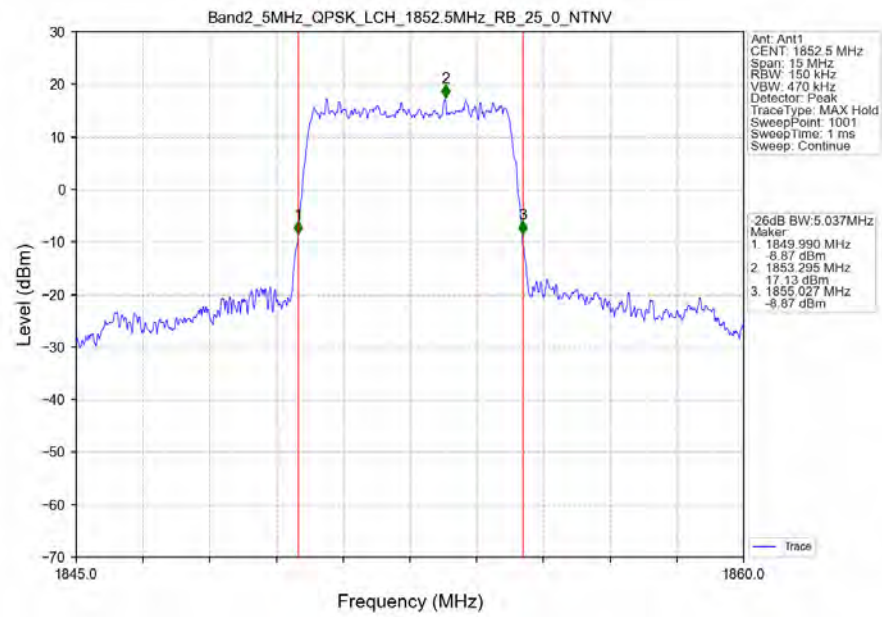
# Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_15\_0\_NTNV



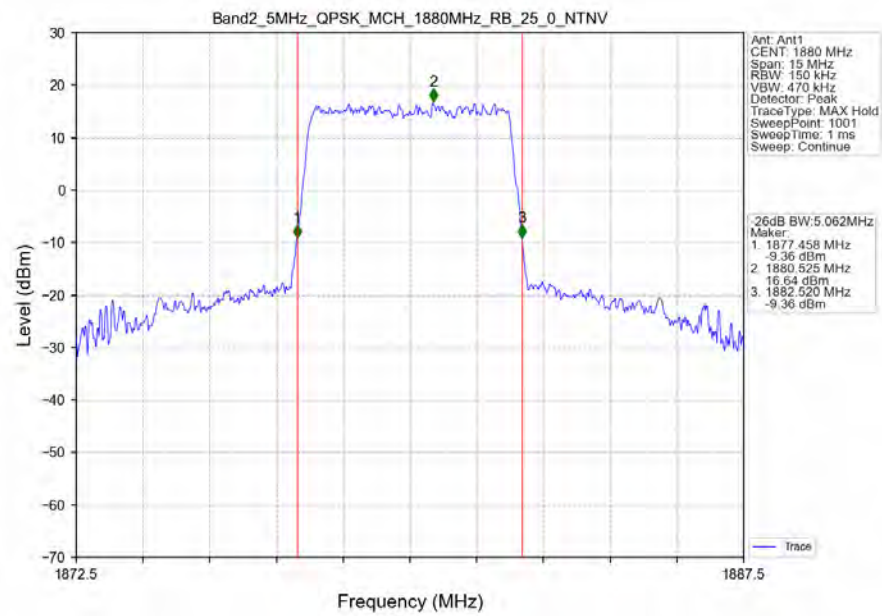
# Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



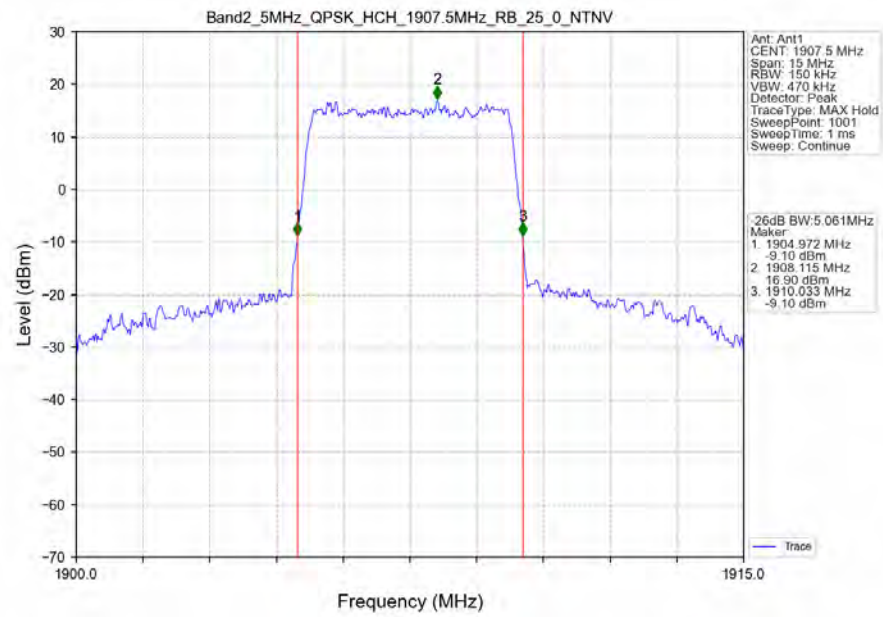
# Band2\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



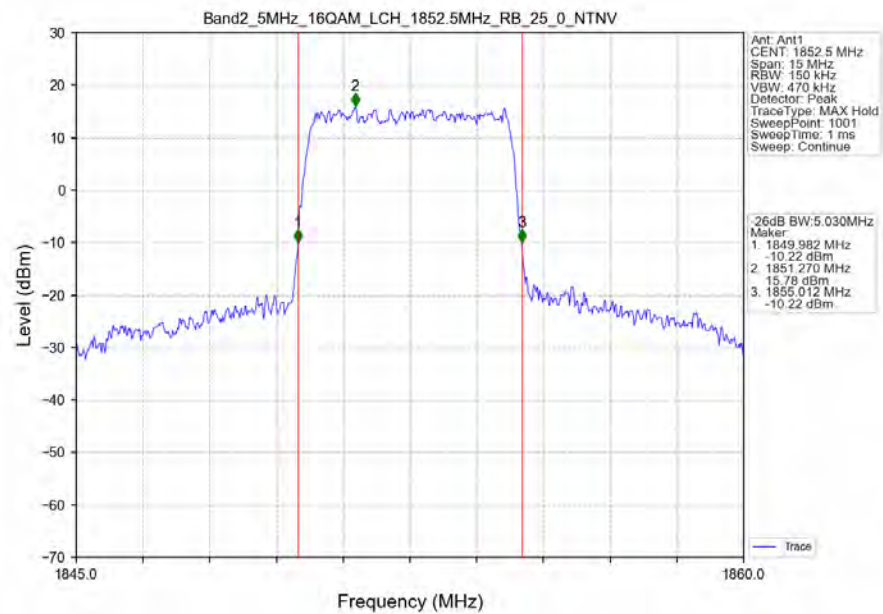
# Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_25\_0\_NTNV



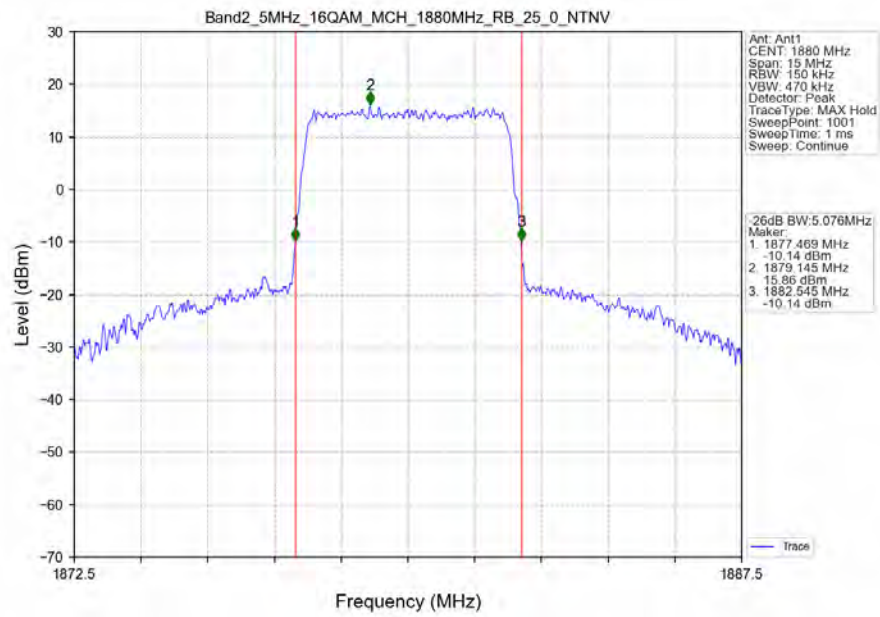
# Band2\_5MHz\_QPSK\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



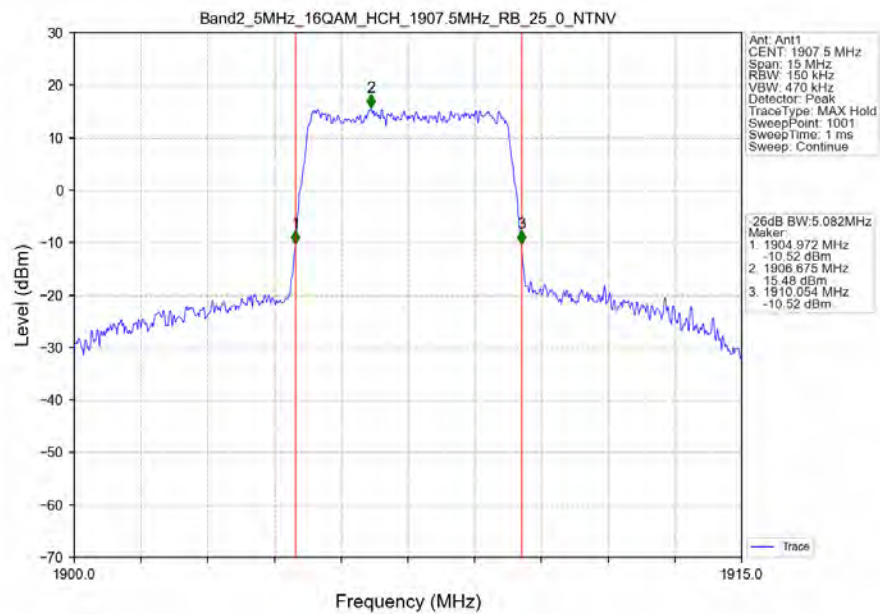
# Band2\_5MHz\_16QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



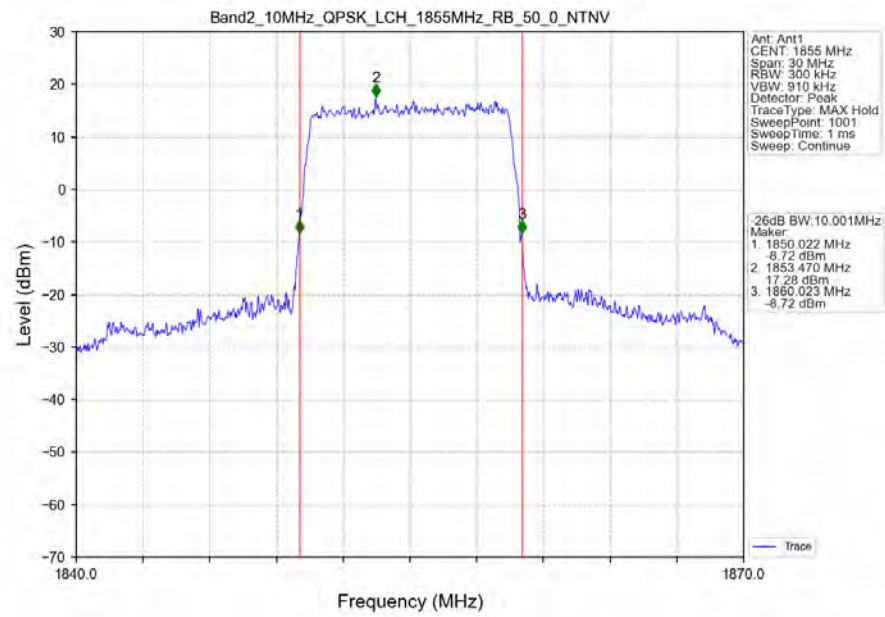
# Band2\_5MHz\_16QAM\_MCH\_1880MHz\_RB\_25\_0\_NTNV



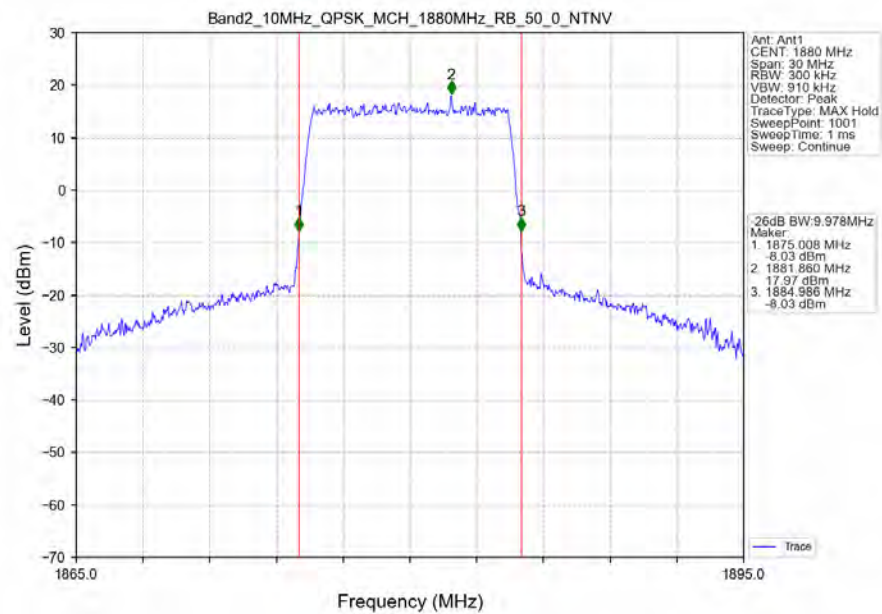
# Band2\_5MHz\_16QAM\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



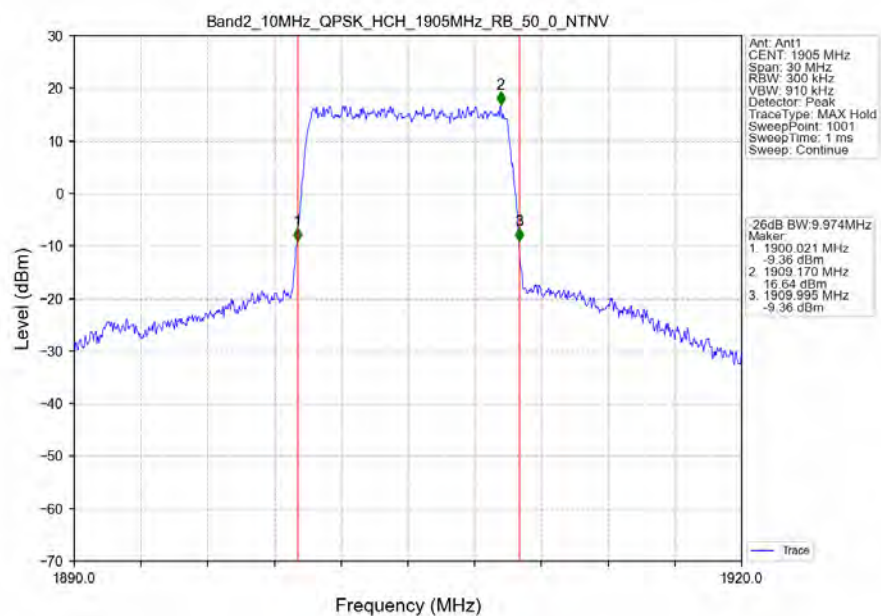
# Band2\_10MHz\_QPSK\_LCH\_1855MHz\_RB\_50\_0\_NTNV



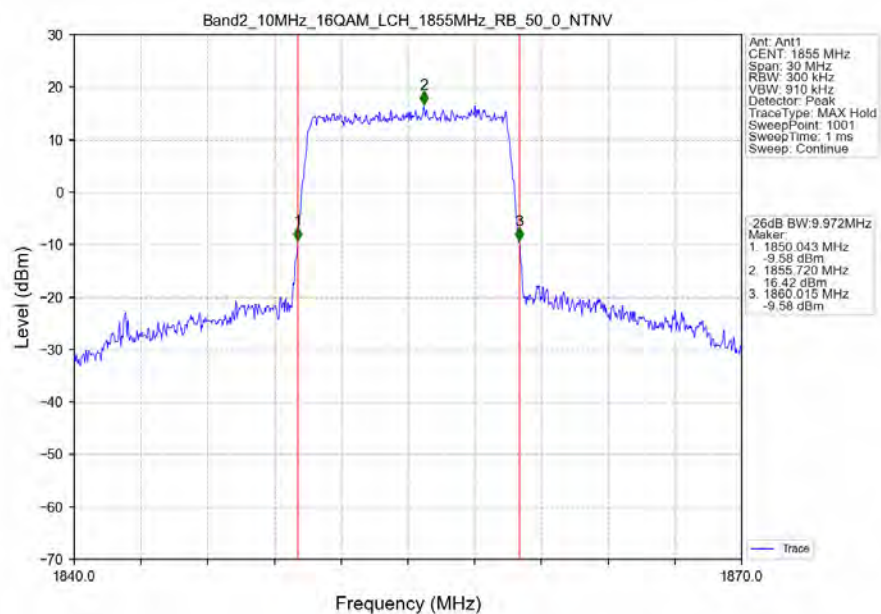
# Band2\_10MHz\_QPSK\_MCH\_1880MHz\_RB\_50\_0\_NTNV



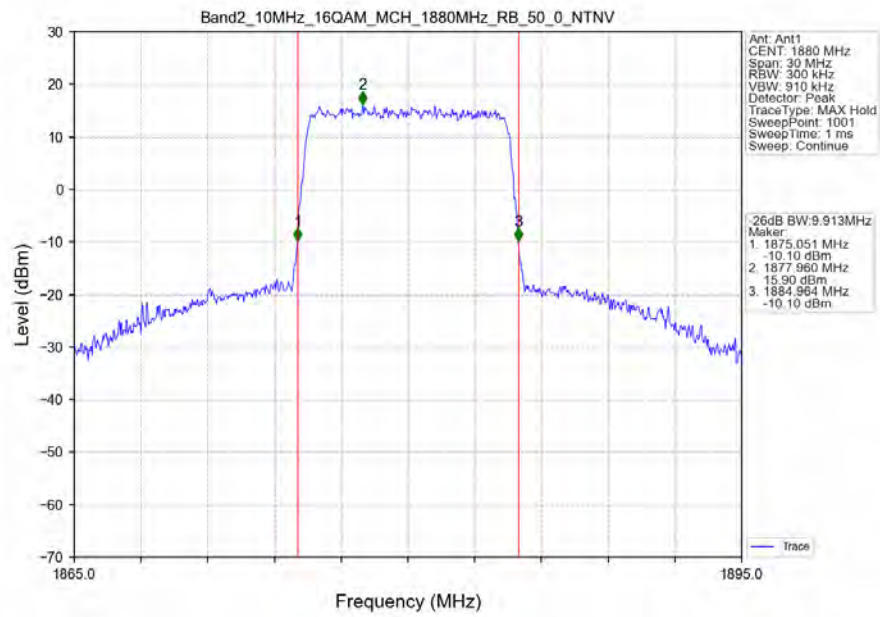
# Band2\_10MHz\_QPSK\_HCH\_1905MHz\_RB\_50\_0\_NTNV



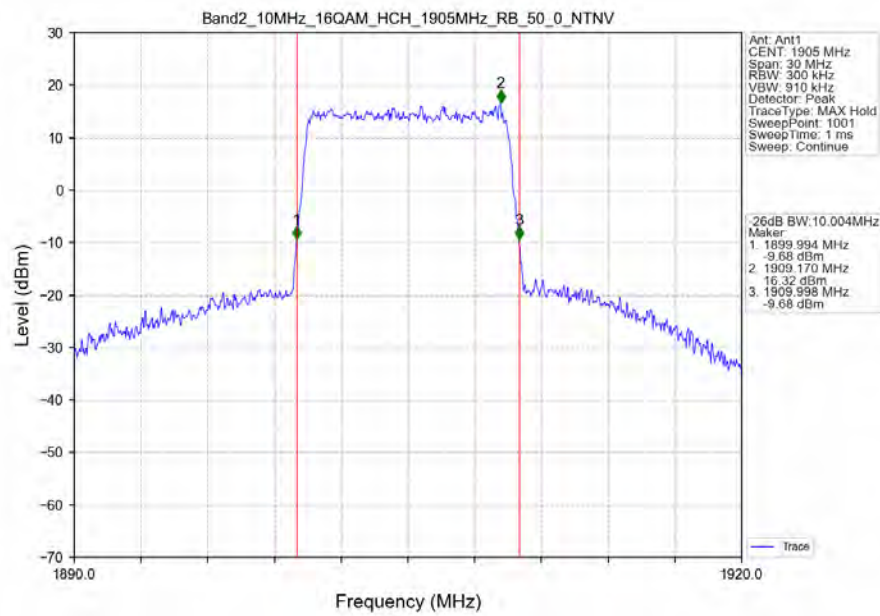
# Band2\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV



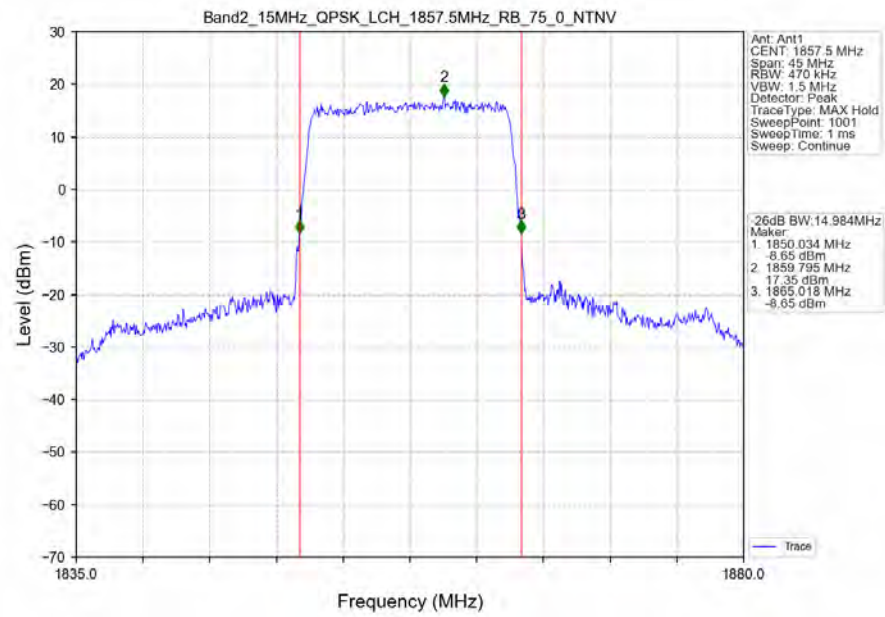
# Band2\_10MHz\_16QAM\_MCH\_1880MHz\_RB\_50\_0\_NTNV



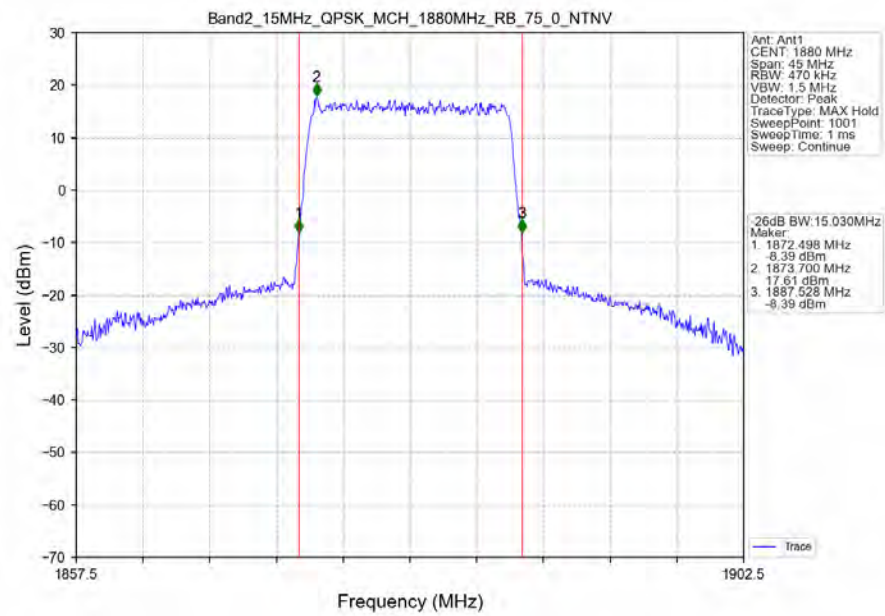
# Band2\_10MHz\_16QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV



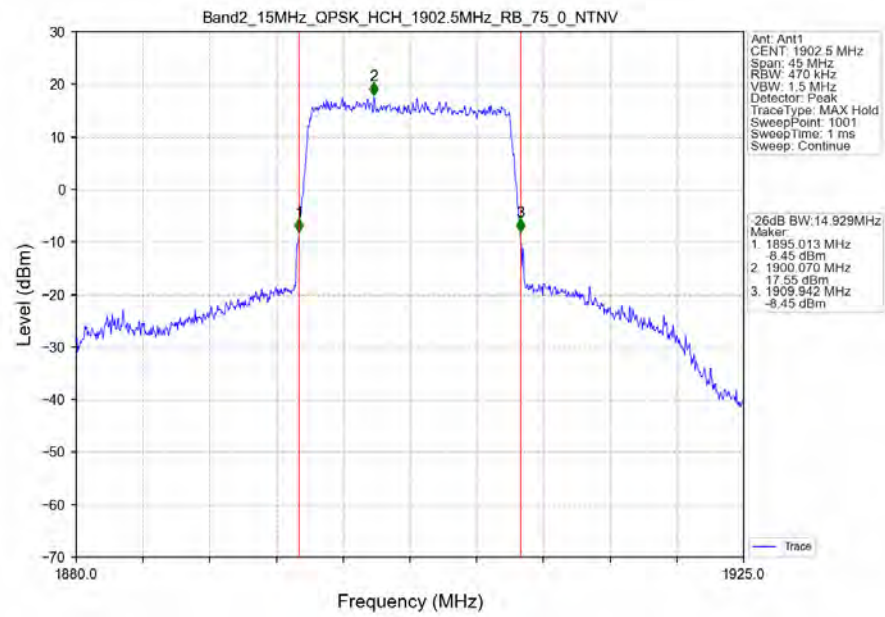
# Band2\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



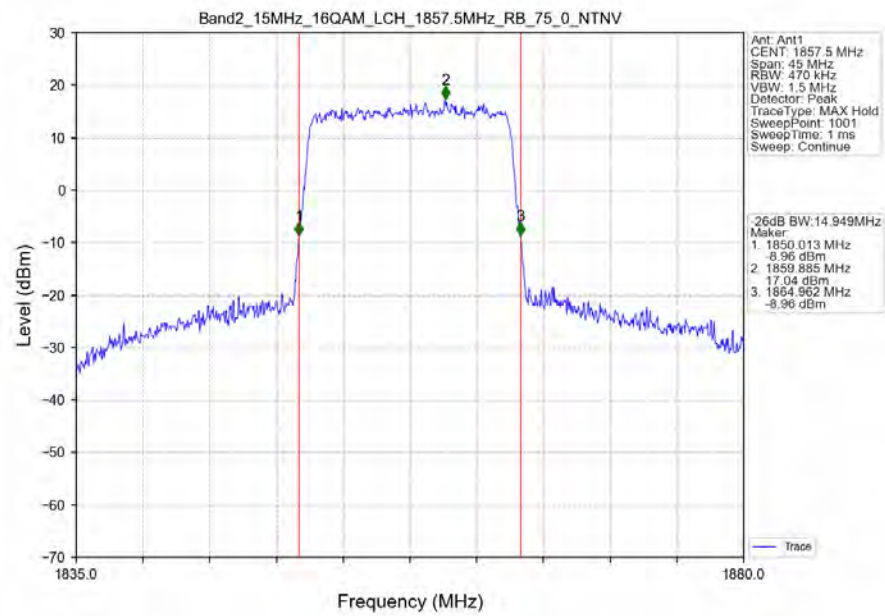
# Band2\_15MHz\_QPSK\_MCH\_1880MHz\_RB\_75\_0\_NTNV



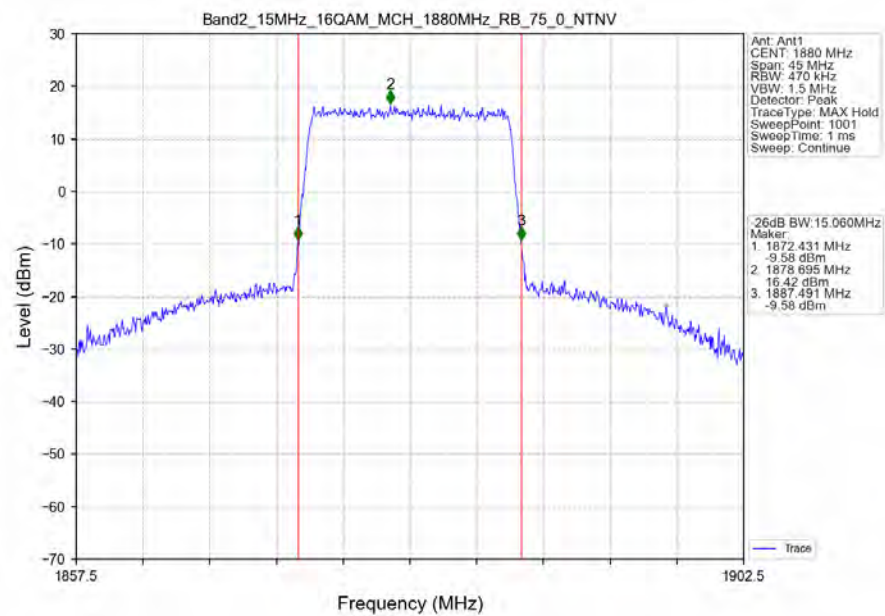
Band2\_15MHz\_QPSK\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



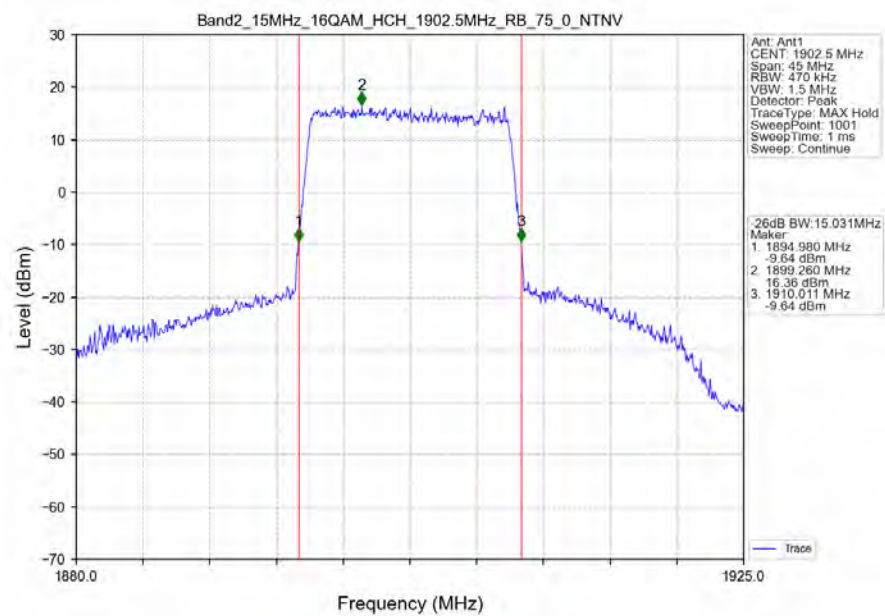
Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



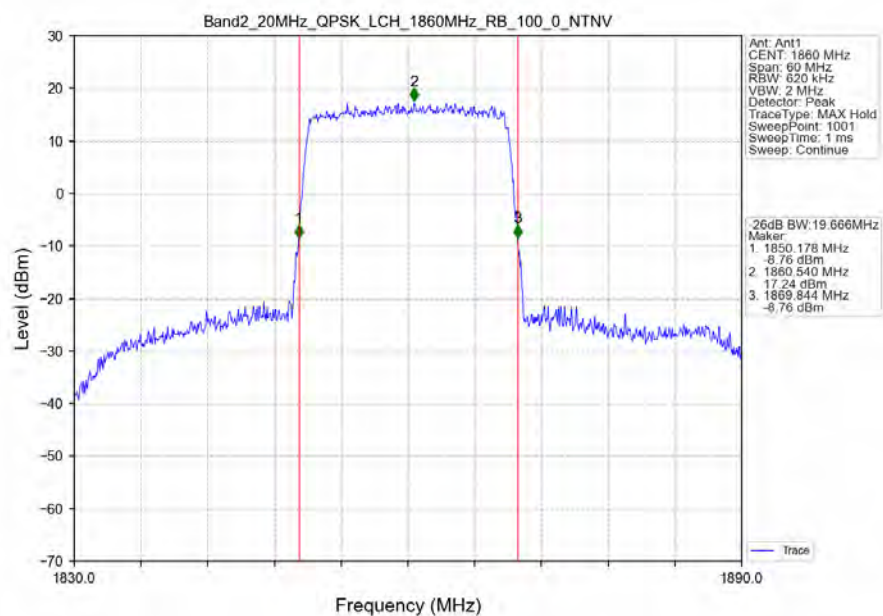
# Band2\_15MHz\_16QAM\_MCH\_1880MHz\_RB\_75\_0\_NTNV



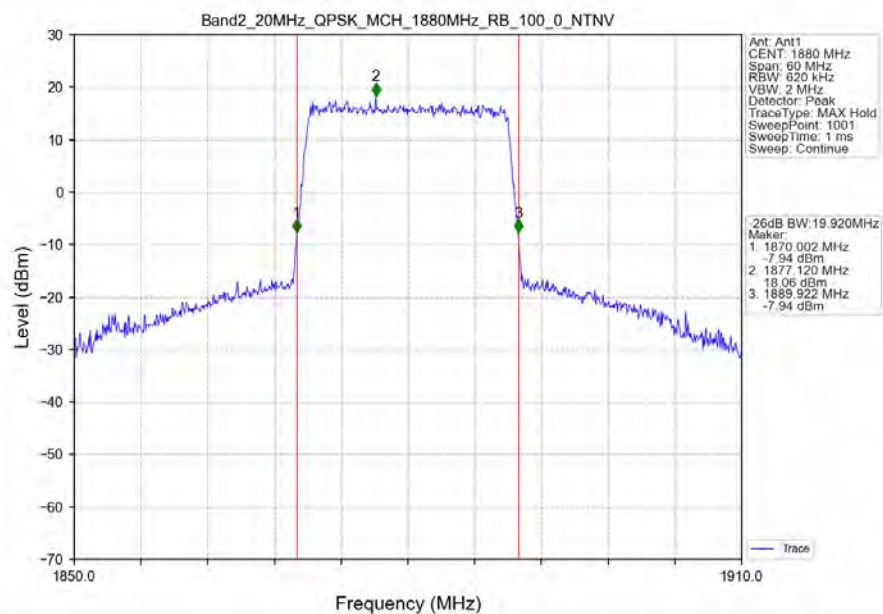
# Band2\_15MHz\_16QAM\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



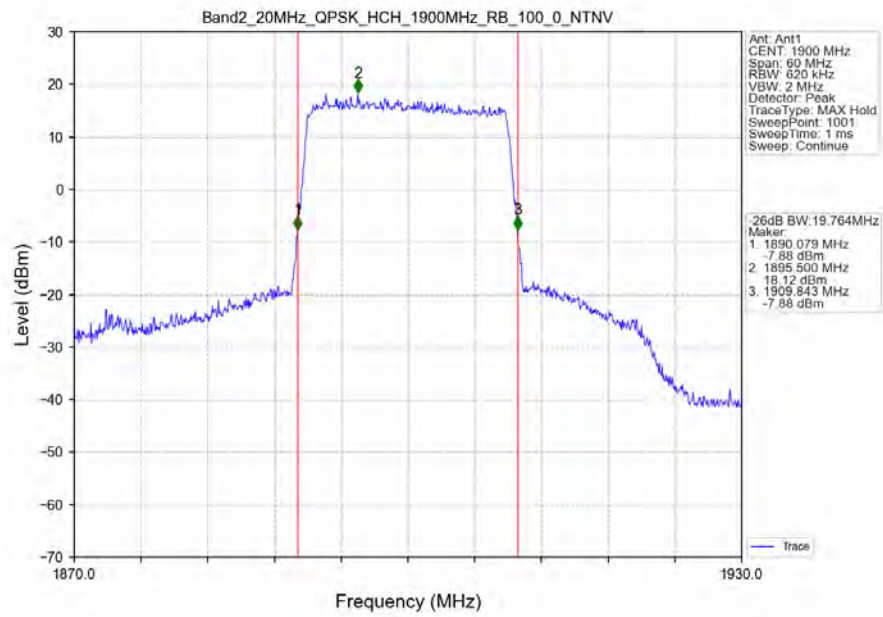
# Band2\_20MHz\_QPSK\_LCH\_1860MHz\_RB\_100\_0\_NTNV



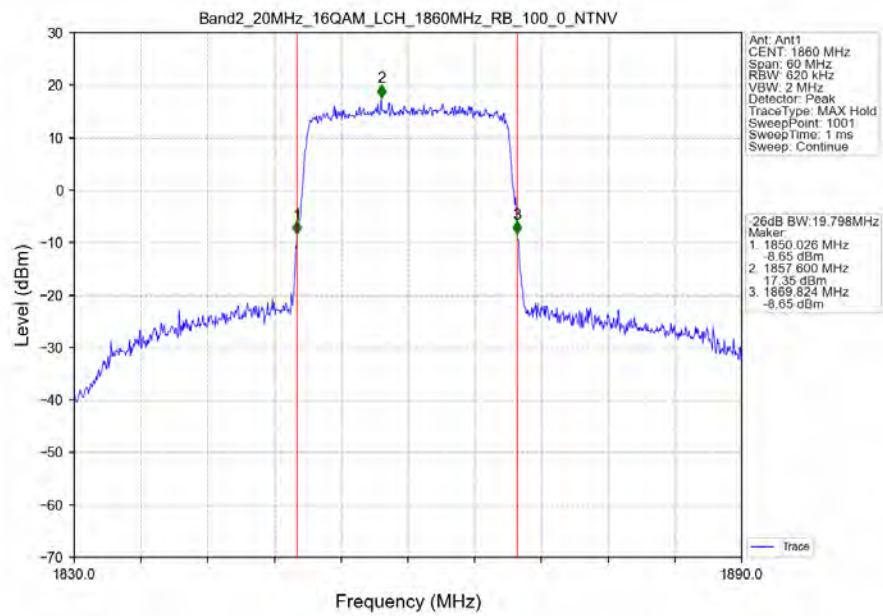
# Band2\_20MHz\_QPSK\_MCH\_1880MHz\_RB\_100\_0\_NTNV



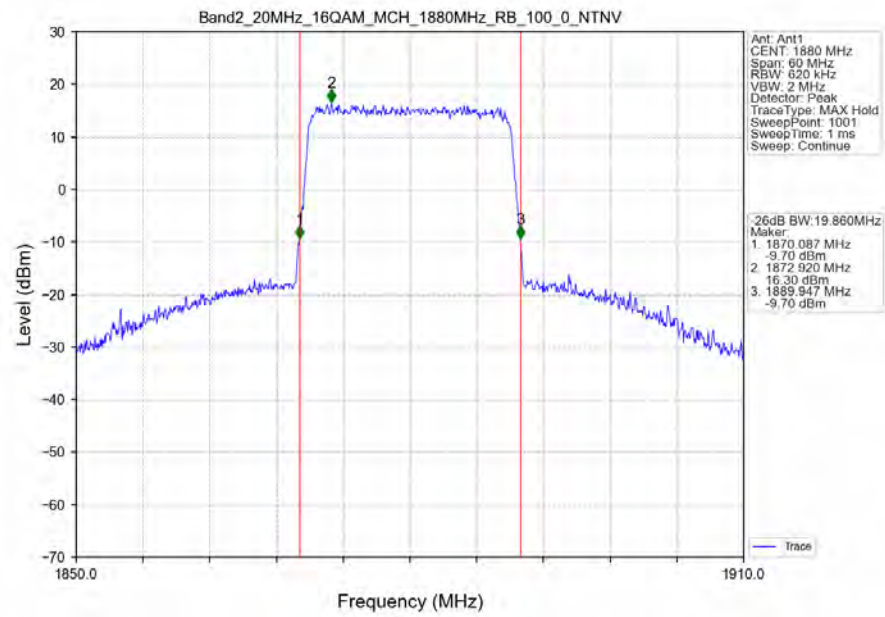
# Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



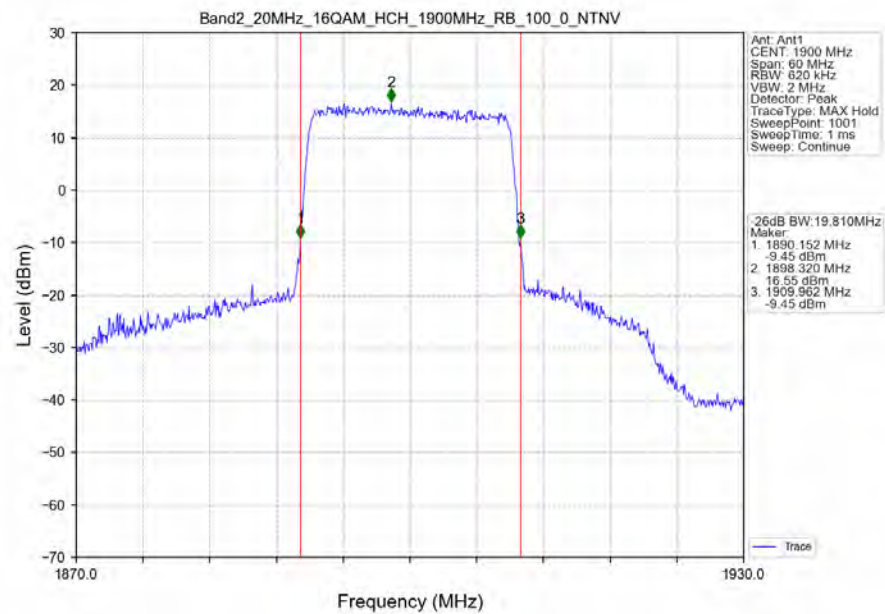
# Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV



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



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



## 4. Peak-Average Ratio

### 4.1 Test Result

#### 4.1.1 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      | 5.05                    | <=13  | Pass    |
|                                    | 1880            | 6             | 0      | 5.99                    | <=13  | Pass    |
|                                    | 1909.3          | 6             | 0      | 5.22                    | <=13  | Pass    |
| 16QAM                              | 1850.7          | 6             | 0      | 5.98                    | <=13  | Pass    |
|                                    | 1880            | 6             | 0      | 6.83                    | <=13  | Pass    |
|                                    | 1909.3          | 6             | 0      | 6.11                    | <=13  | Pass    |

#### 4.1.2 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      | 5.17                    | <=13  | Pass    |
|                                  | 1880            | 15            | 0      | 5.95                    | <=13  | Pass    |
|                                  | 1908.5          | 15            | 0      | 5.45                    | <=13  | Pass    |
| 16QAM                            | 1851.5          | 15            | 0      | 6.01                    | <=13  | Pass    |
|                                  | 1880            | 15            | 0      | 6.83                    | <=13  | Pass    |
|                                  | 1908.5          | 15            | 0      | 6.32                    | <=13  | Pass    |

#### 4.1.3 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      | 5.34                    | <=13  | Pass    |
|                                  | 1880            | 25            | 0      | 5.91                    | <=13  | Pass    |
|                                  | 1907.5          | 25            | 0      | 5.62                    | <=13  | Pass    |
| 16QAM                            | 1852.5          | 25            | 0      | 6.11                    | <=13  | Pass    |
|                                  | 1880            | 25            | 0      | 6.70                    | <=13  | Pass    |
|                                  | 1907.5          | 25            | 0      | 6.43                    | <=13  | Pass    |

#### 4.1.4 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      | 5.22                    | <=13  | Pass    |
|                                   | 1880            | 50            | 0      | 5.80                    | <=13  | Pass    |
|                                   | 1905            | 50            | 0      | 5.71                    | <=13  | Pass    |

|       |      |    |   |      |      |      |
|-------|------|----|---|------|------|------|
| 16QAM | 1855 | 50 | 0 | 6.02 | <=13 | Pass |
|       | 1880 | 50 | 0 | 6.69 | <=13 | Pass |
|       | 1905 | 50 | 0 | 6.53 | <=13 | Pass |

#### 4.1.5 B2\_15MHz

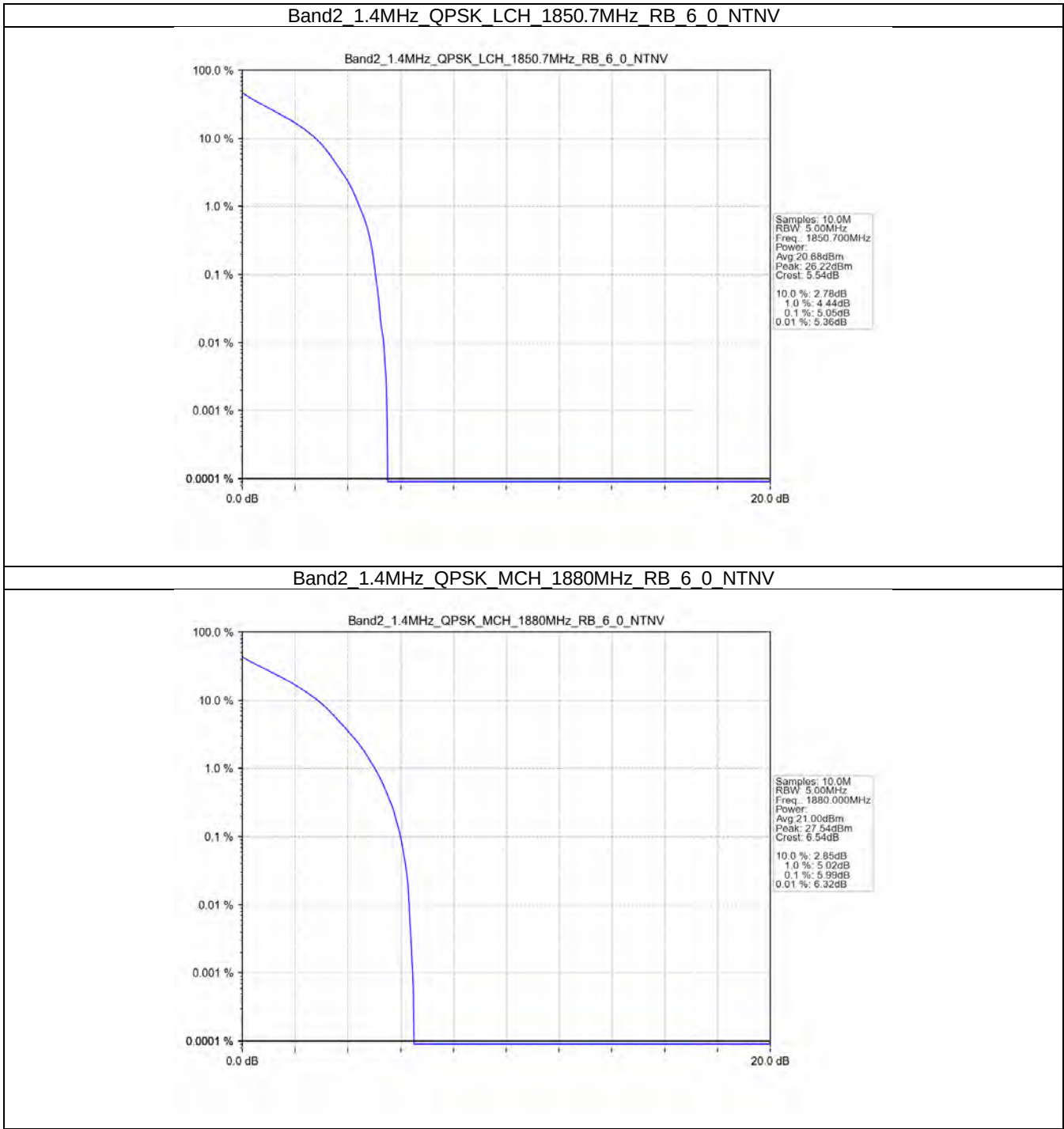
| Band: 2 / Bandwidth: 15MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 1857.5          | 75            | 0      | 5.31                    | <=13  | Pass    |
|                                   | 1880            | 75            | 0      | 5.98                    | <=13  | Pass    |
|                                   | 1902.5          | 75            | 0      | 5.84                    | <=13  | Pass    |
| 16QAM                             | 1857.5          | 75            | 0      | 6.05                    | <=13  | Pass    |
|                                   | 1880            | 75            | 0      | 6.70                    | <=13  | Pass    |
|                                   | 1902.5          | 75            | 0      | 6.56                    | <=13  | Pass    |

#### 4.1.6 B2\_20MHz

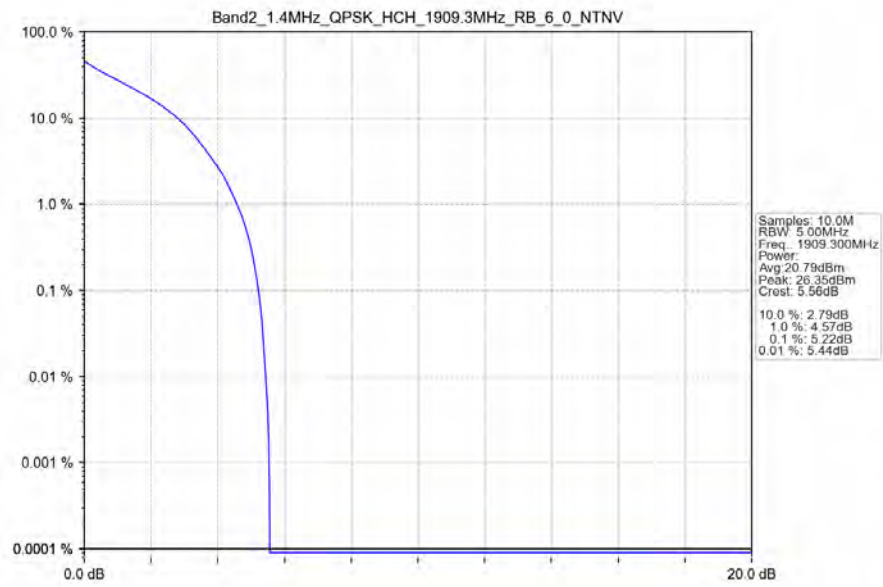
| Band: 2 / Bandwidth: 20MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 1860            | 100           | 0      | 5.21                    | <=13  | Pass    |
|                                   | 1880            | 100           | 0      | 5.75                    | <=13  | Pass    |
|                                   | 1900            | 100           | 0      | 5.62                    | <=13  | Pass    |
| 16QAM                             | 1860            | 100           | 0      | 6.05                    | <=13  | Pass    |
|                                   | 1880            | 100           | 0      | 6.62                    | <=13  | Pass    |
|                                   | 1900            | 100           | 0      | 6.47                    | <=13  | Pass    |

4.2 Test Graph

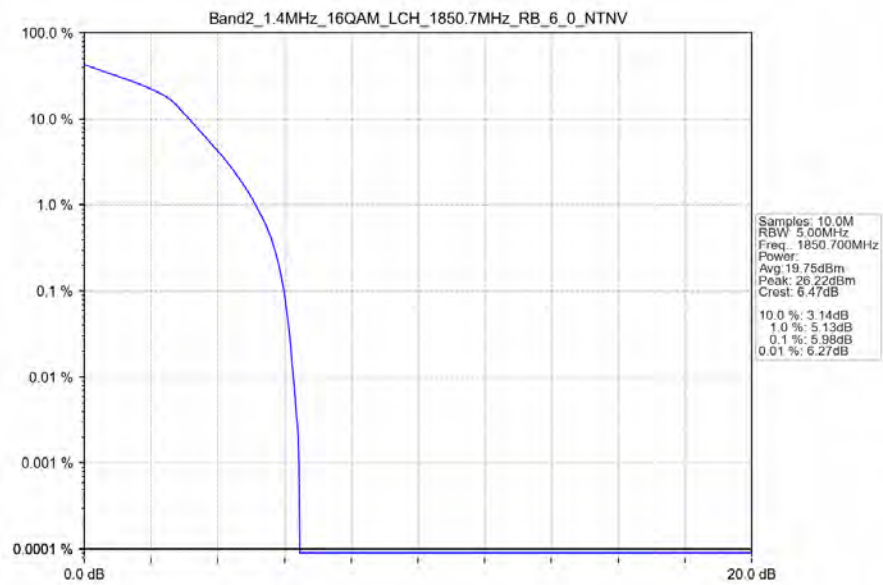
4.2.1 B2\_1.4MHz



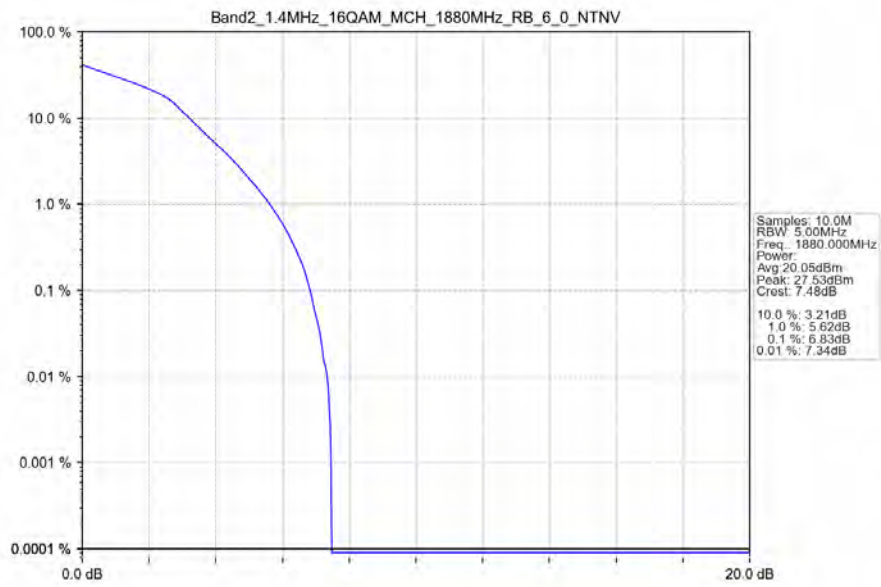
# Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



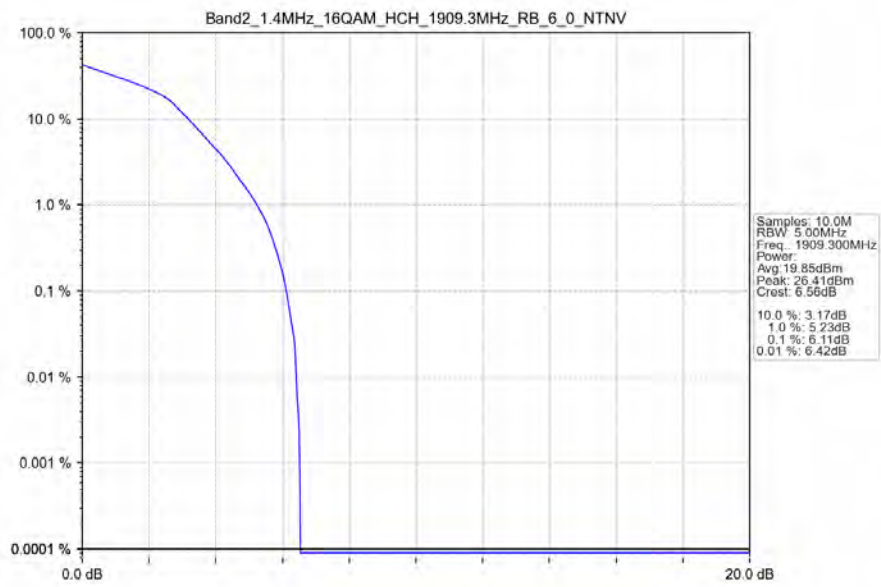
# Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



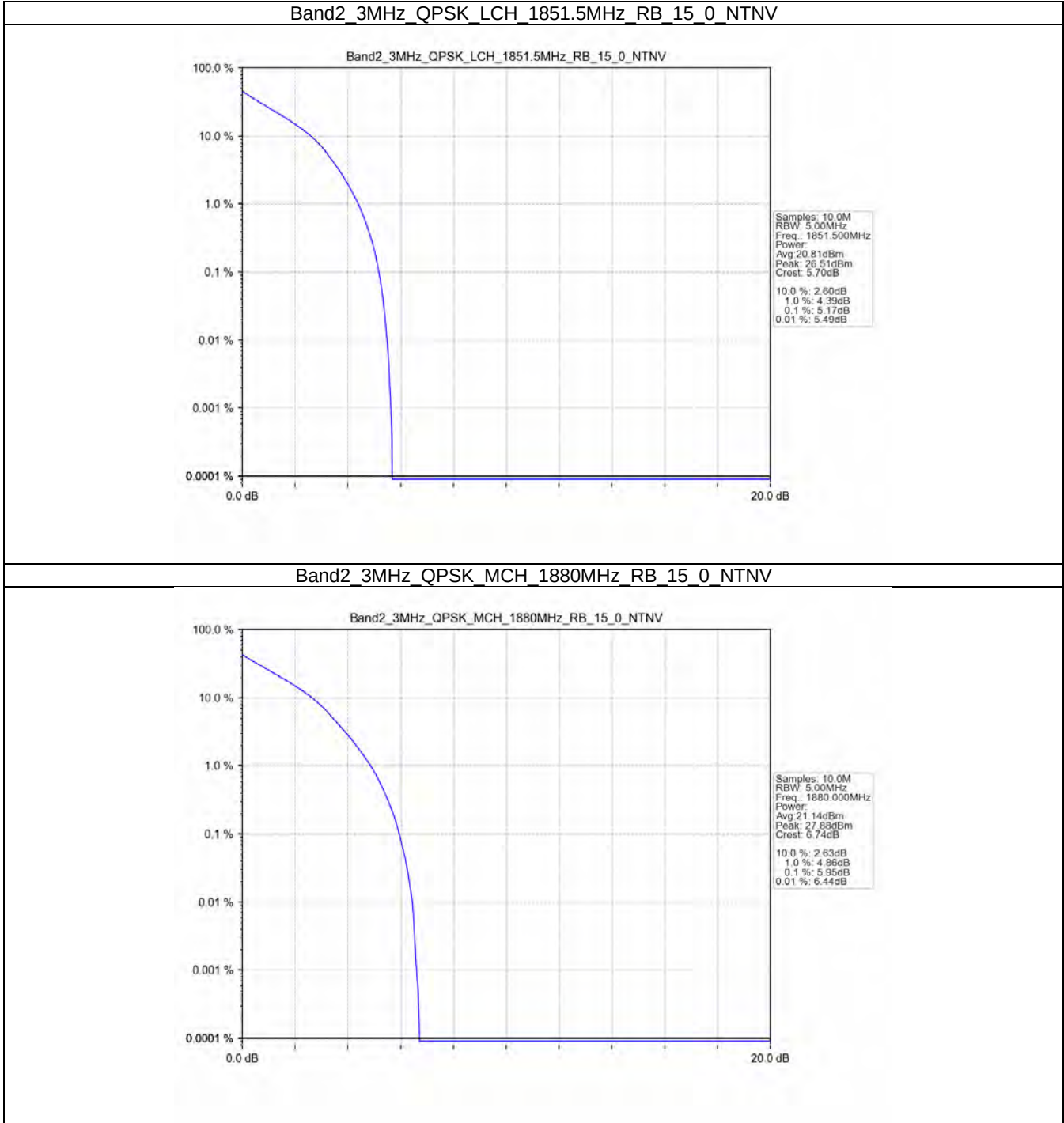
# Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_6\_0\_NTNV



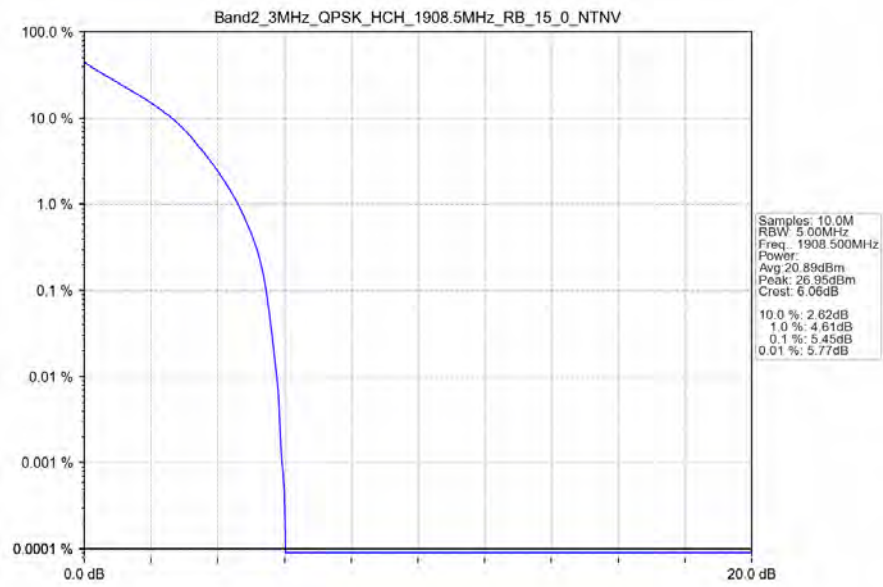
# Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



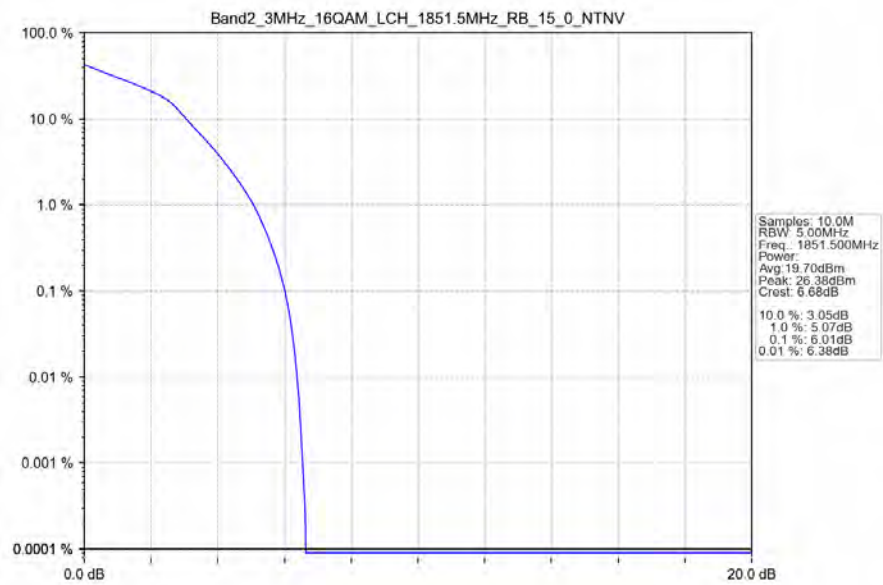
4.2.2 B2\_3MHz



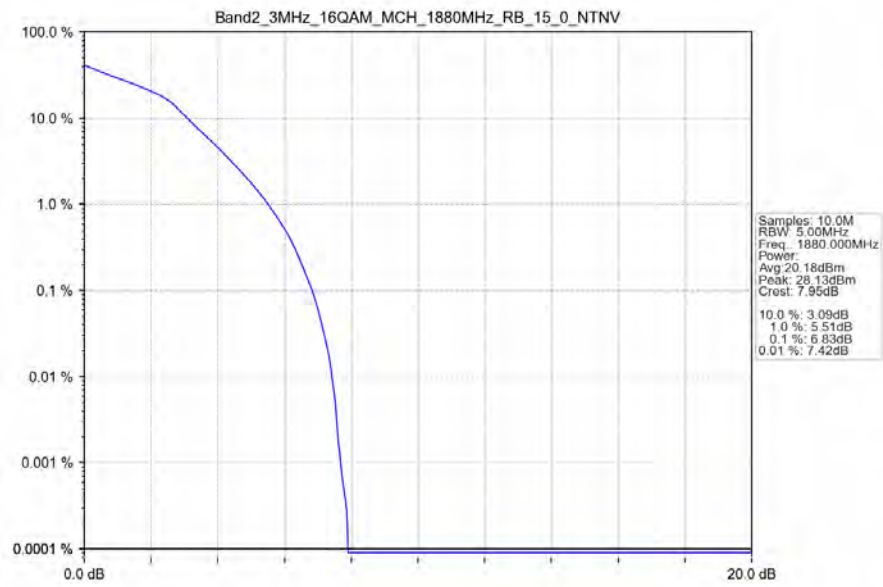
# Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



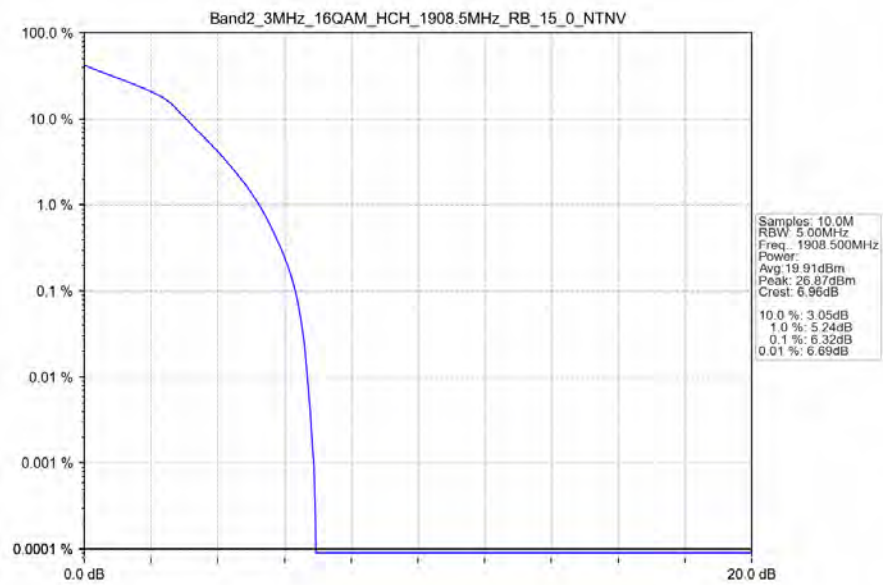
# Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



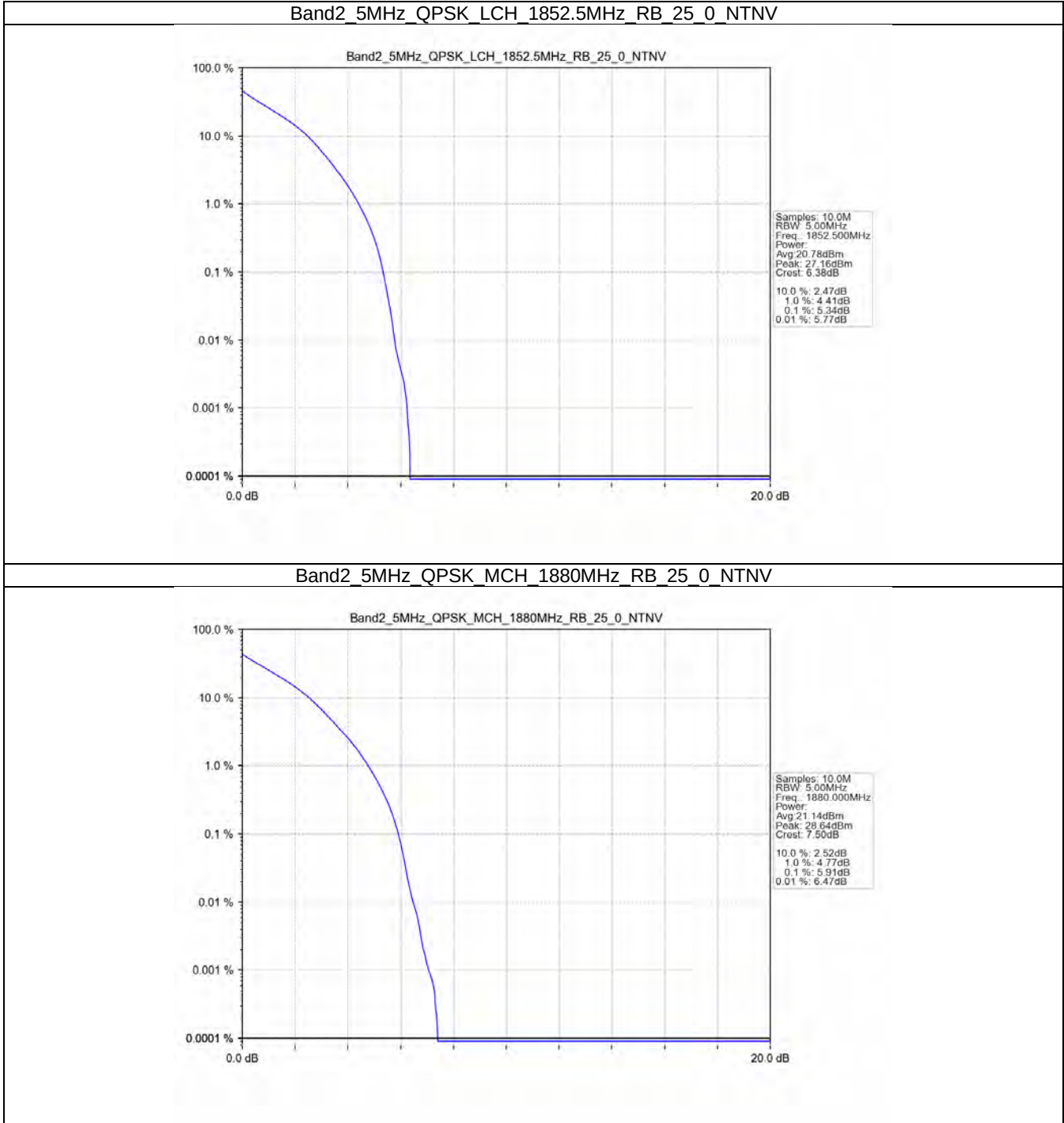
Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_15\_0\_NTNV



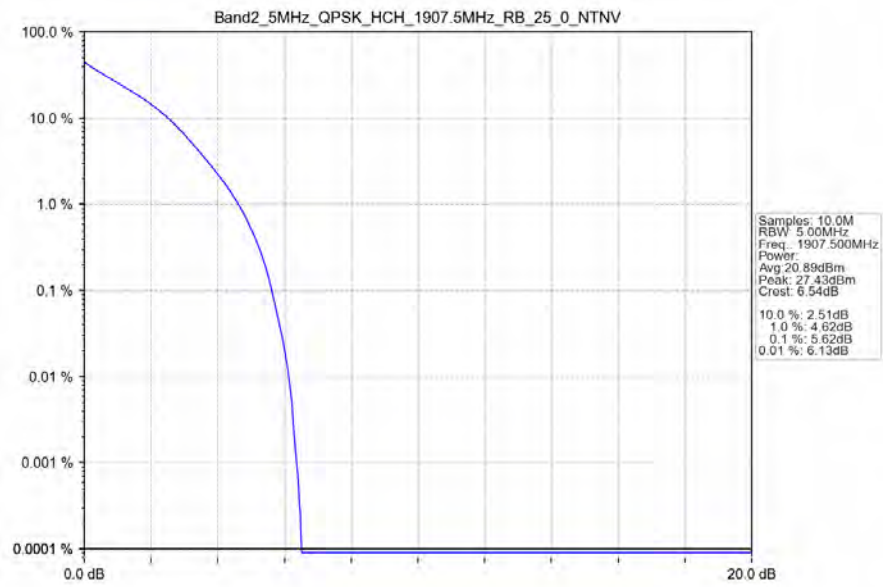
Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



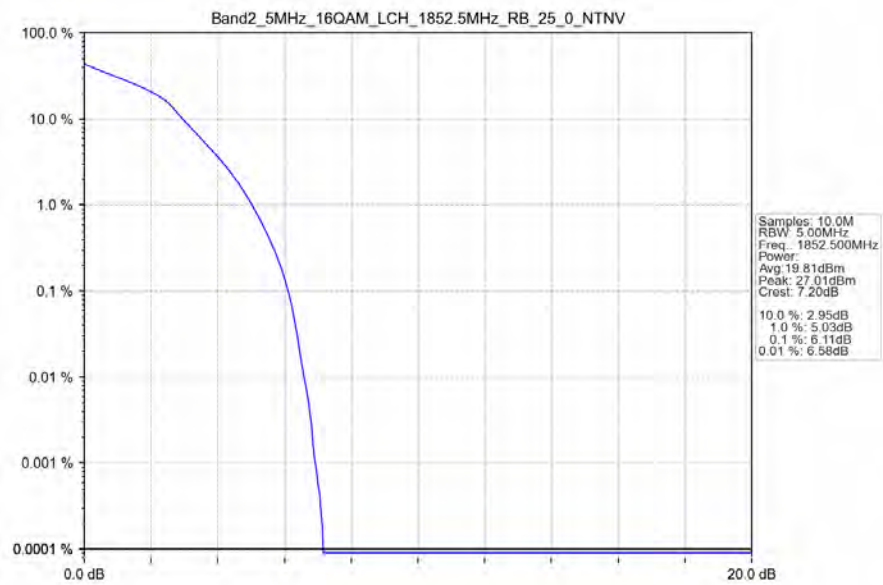
4.2.3 B2\_5MHz



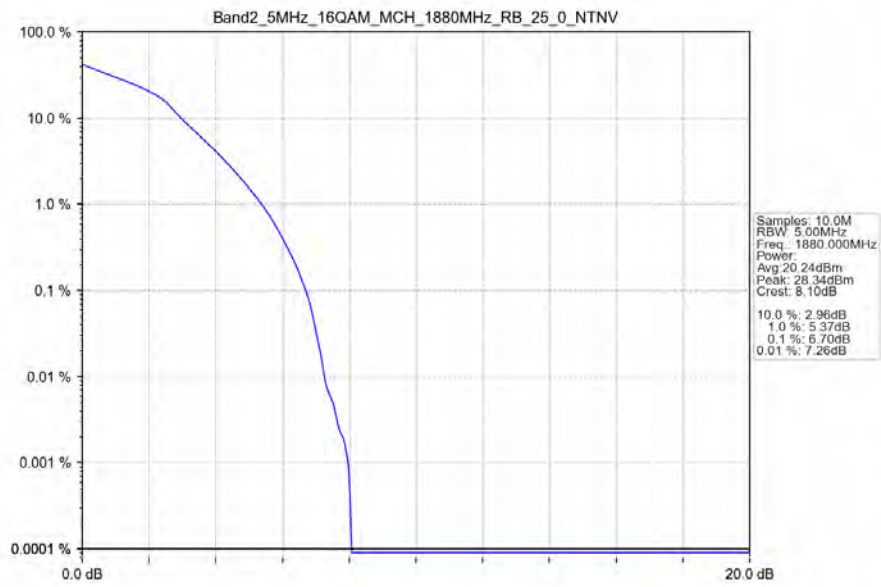
Band2\_5MHz\_QPSK\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



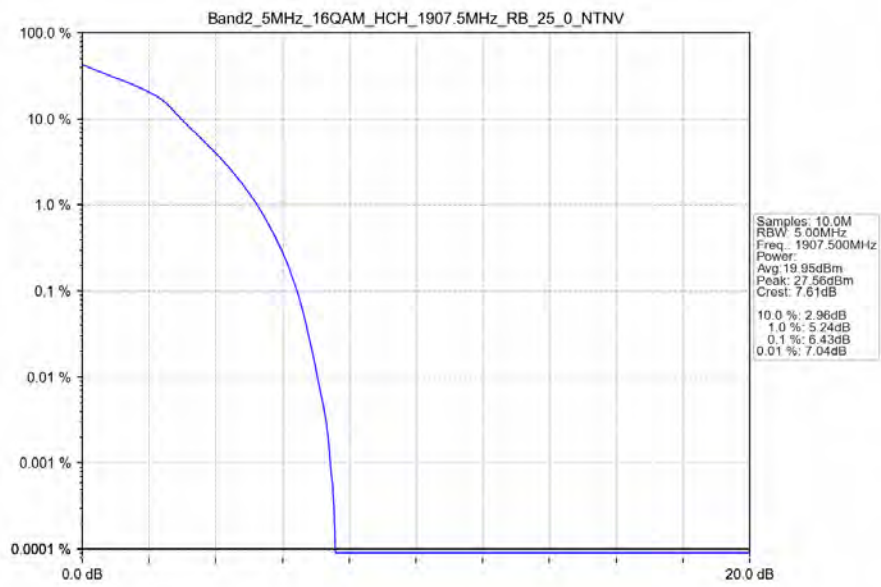
Band2\_5MHz\_16QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



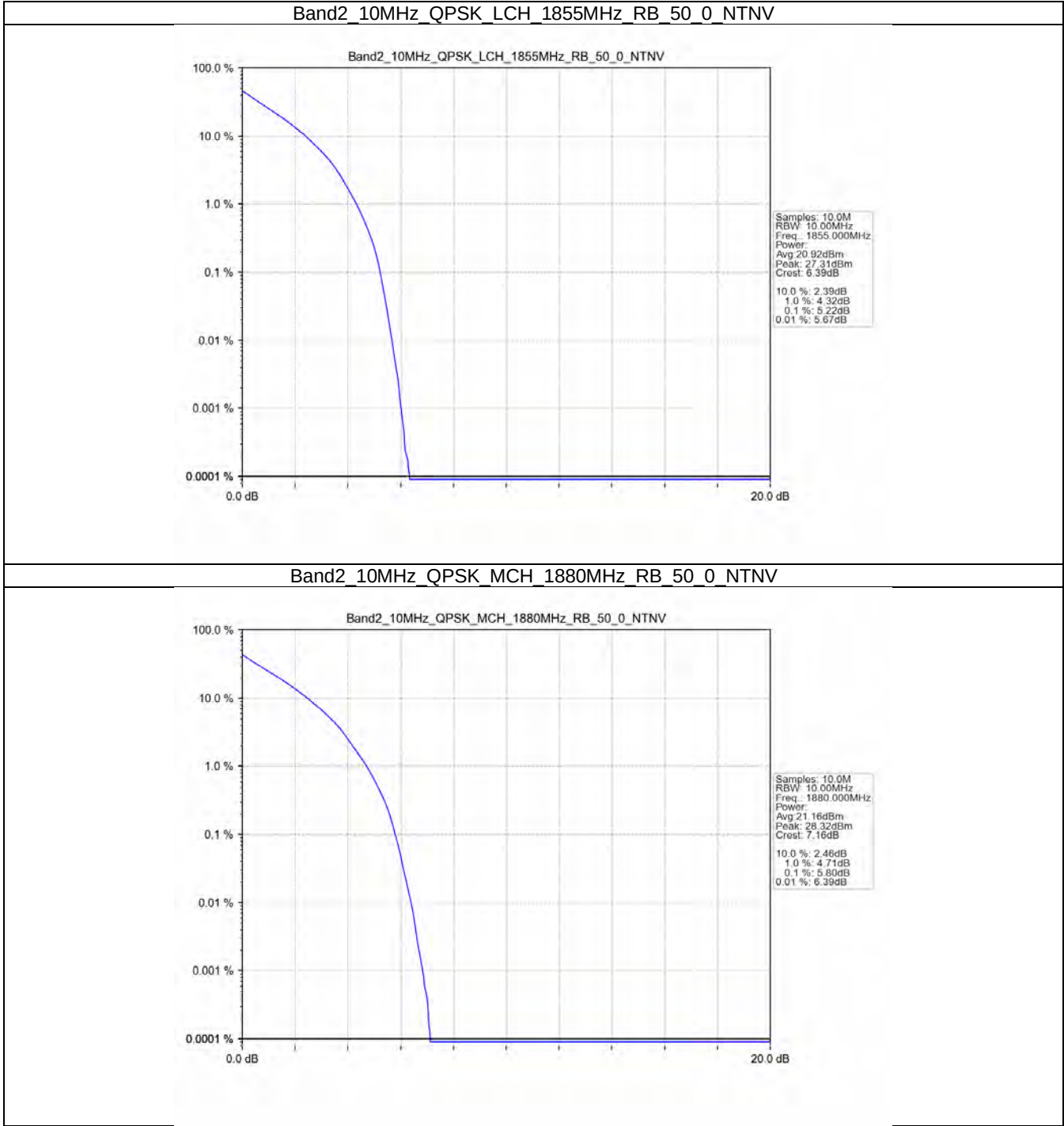
# Band2\_5MHz\_16QAM\_MCH\_1880MHz\_RB\_25\_0\_NTNV



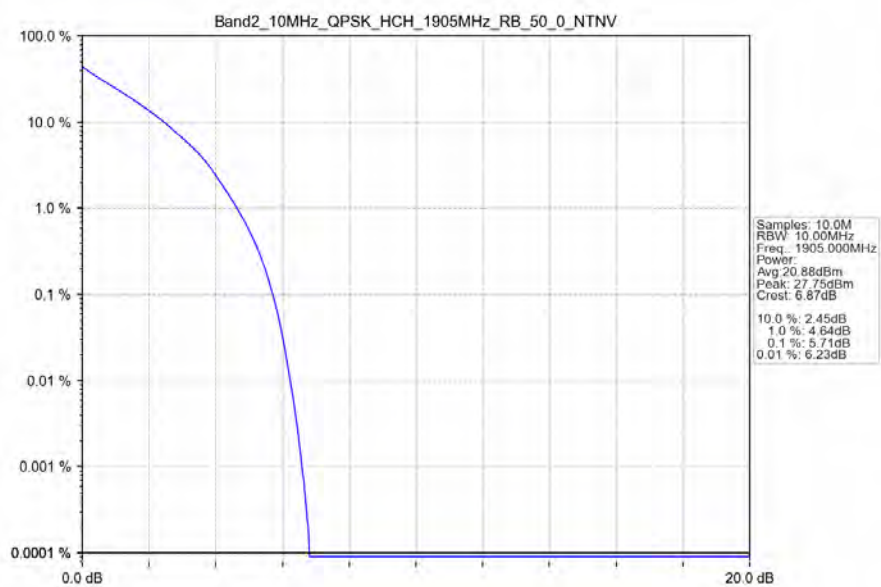
# Band2\_5MHz\_16QAM\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



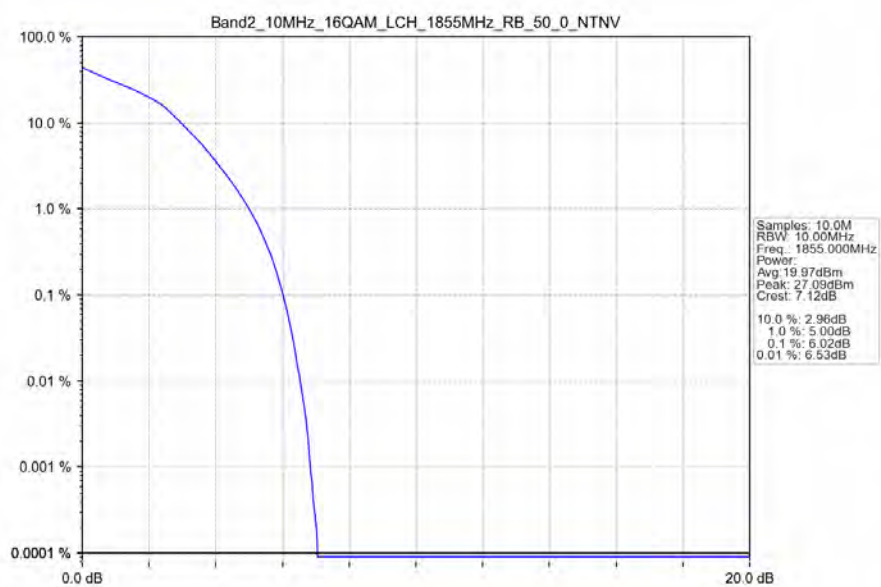
4.2.4 B2\_10MHz



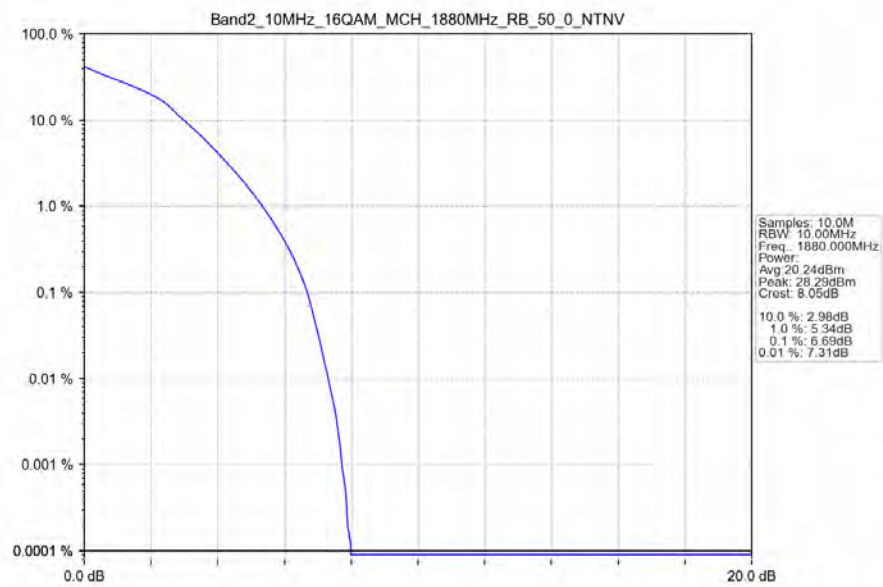
# Band2\_10MHz\_QPSK\_HCH\_1905MHz\_RB\_50\_0\_NTNV



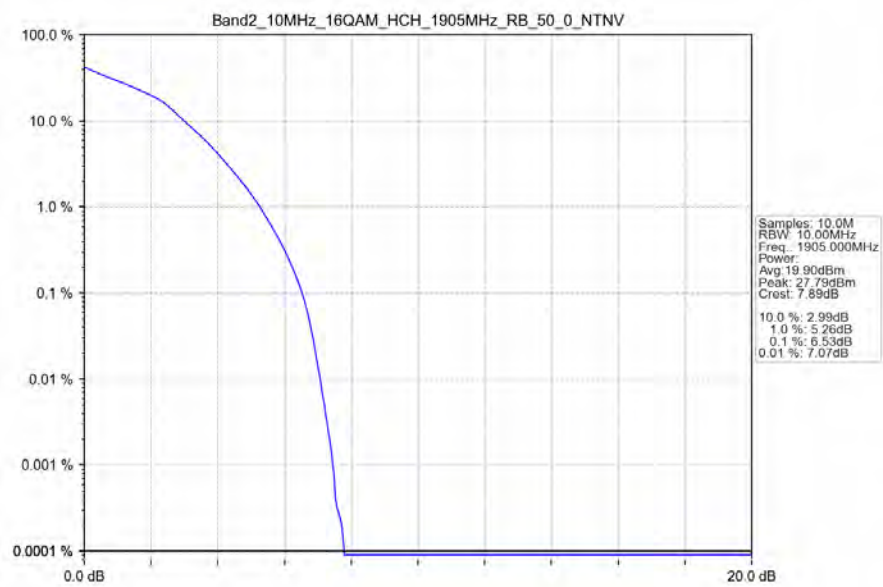
# Band2\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV



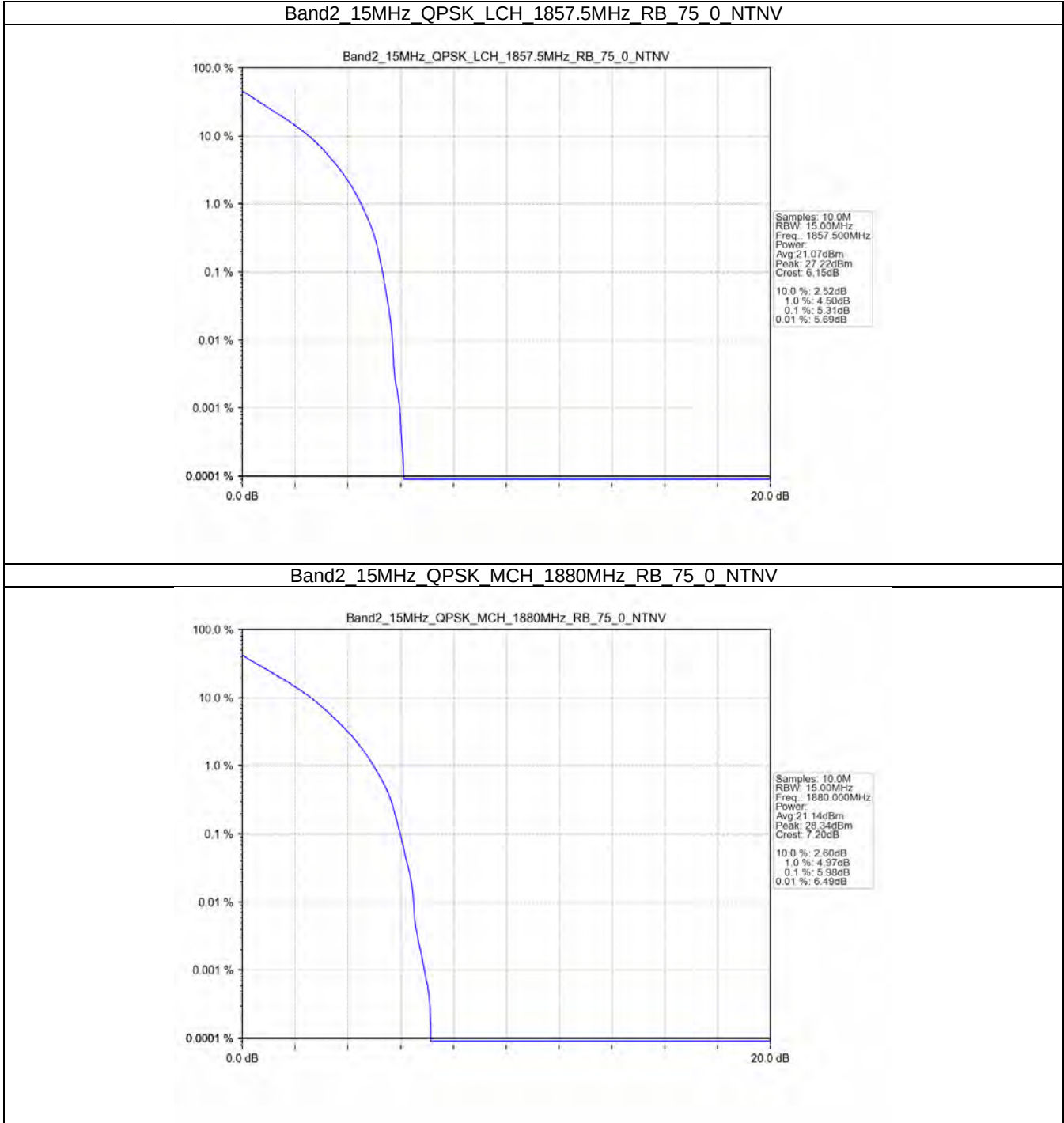
# Band2\_10MHz\_16QAM\_MCH\_1880MHz\_RB\_50\_0\_NTNV



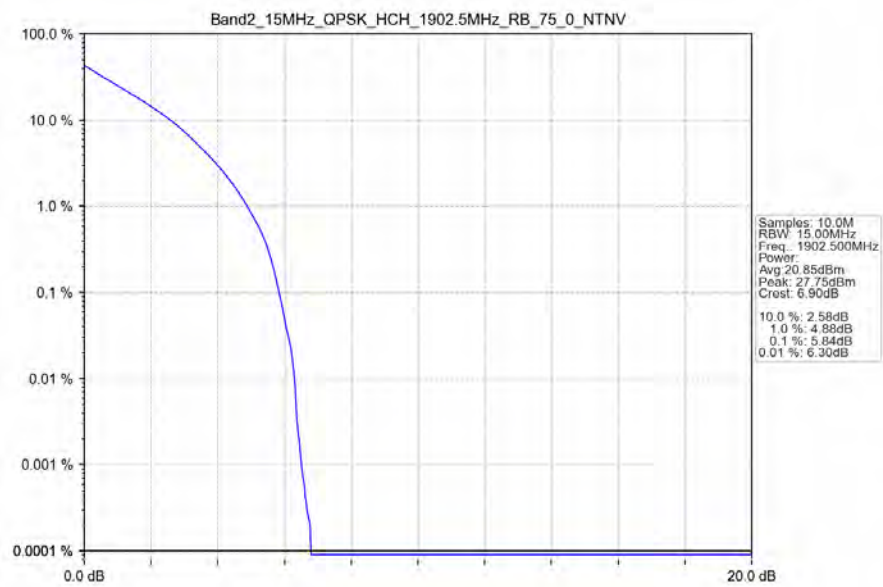
# Band2\_10MHz\_16QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV



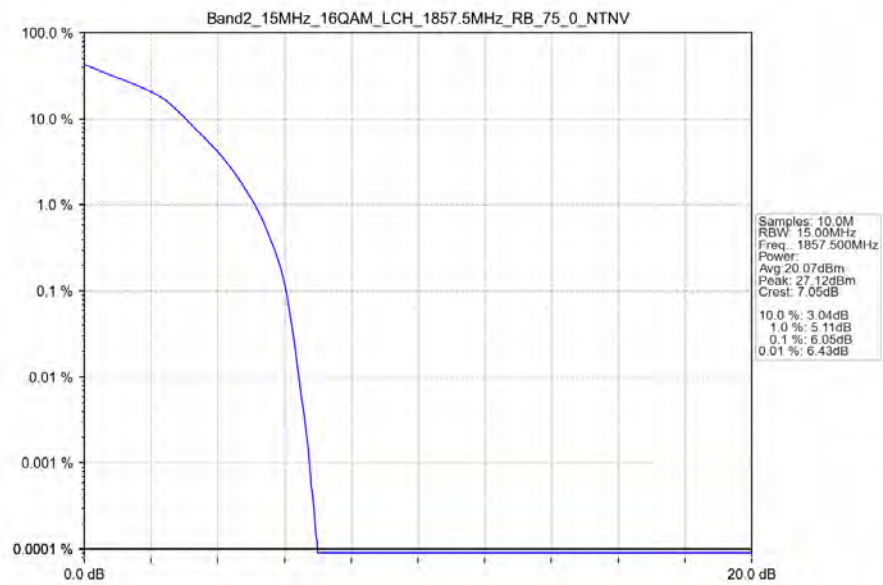
4.2.5 B2\_15MHz



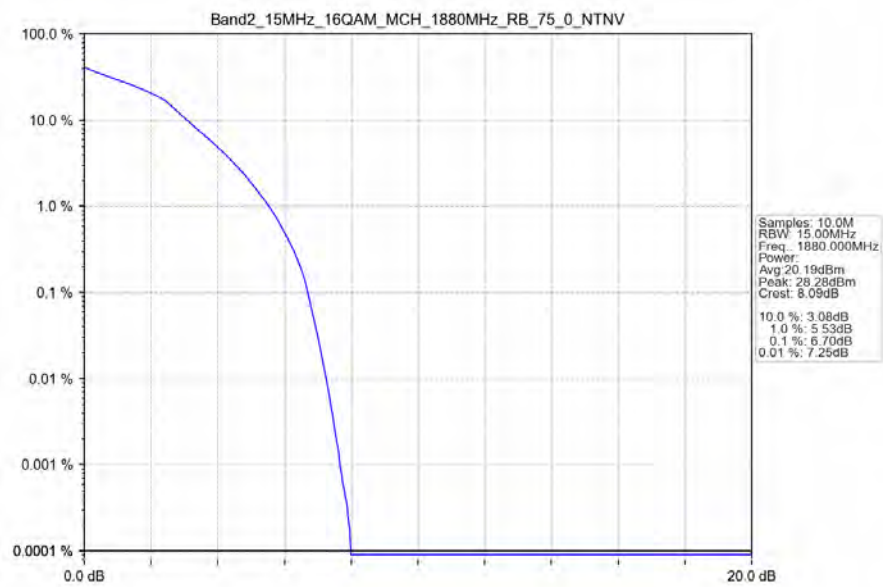
Band2\_15MHz\_QPSK\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



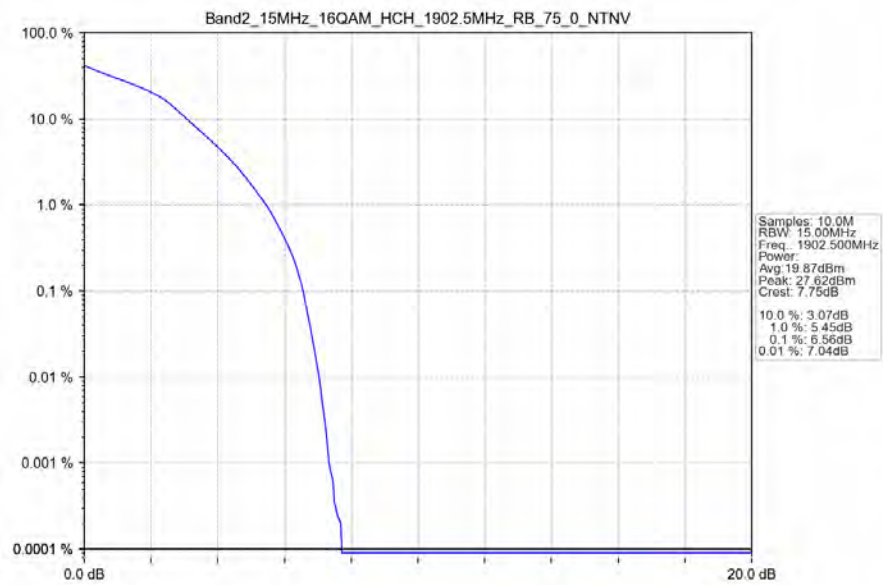
Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



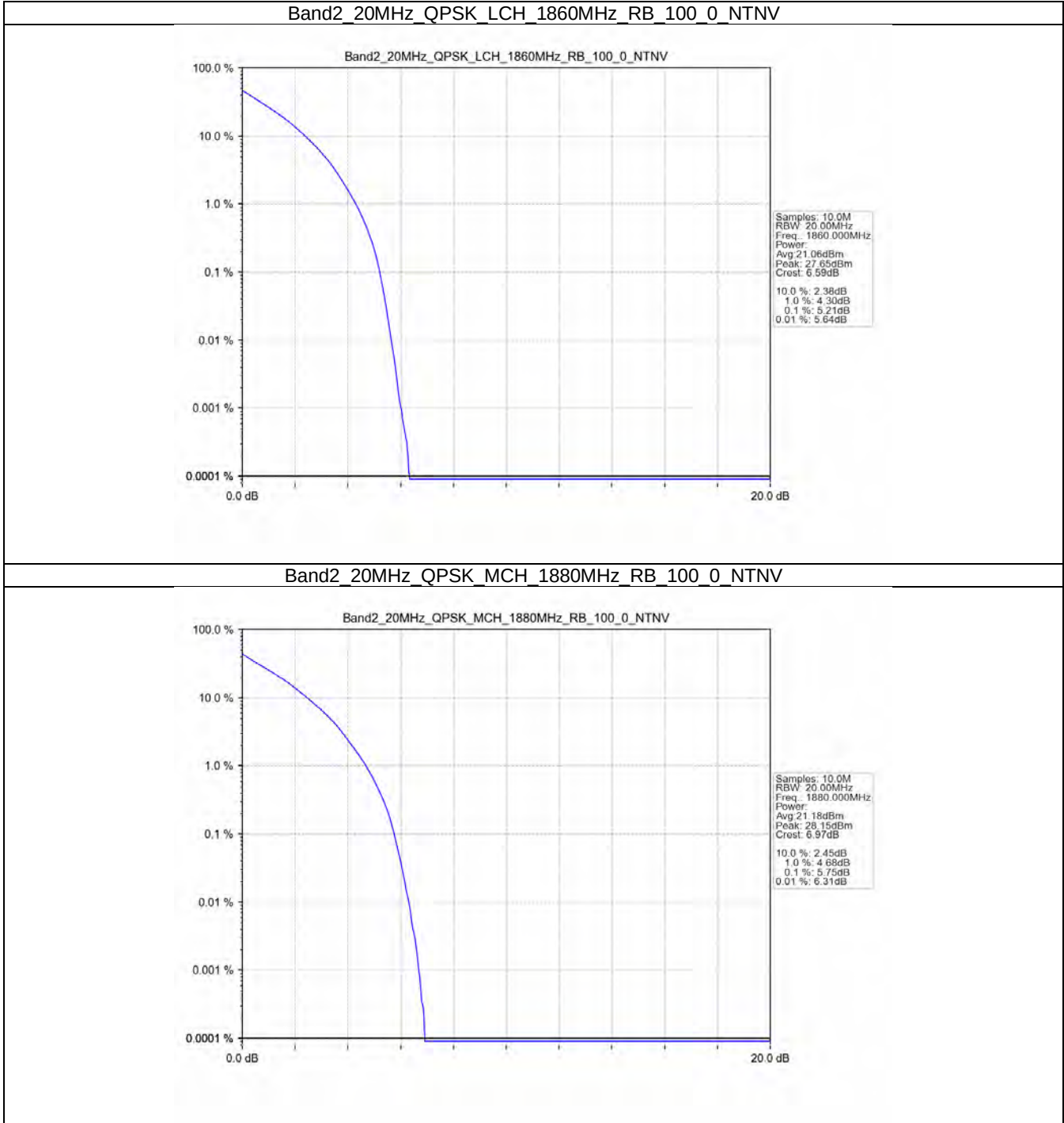
Band2\_15MHz\_16QAM\_MCH\_1880MHz\_RB\_75\_0\_NTNV



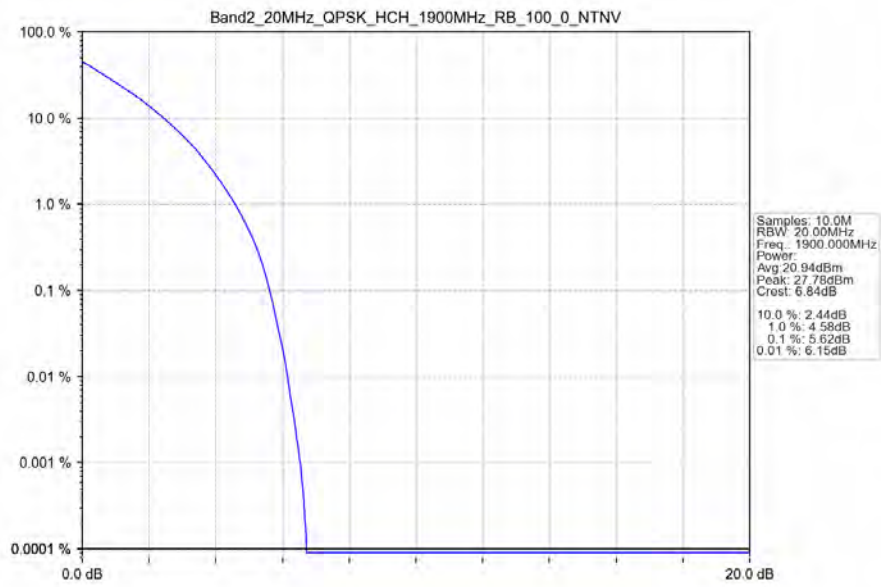
Band2\_15MHz\_16QAM\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



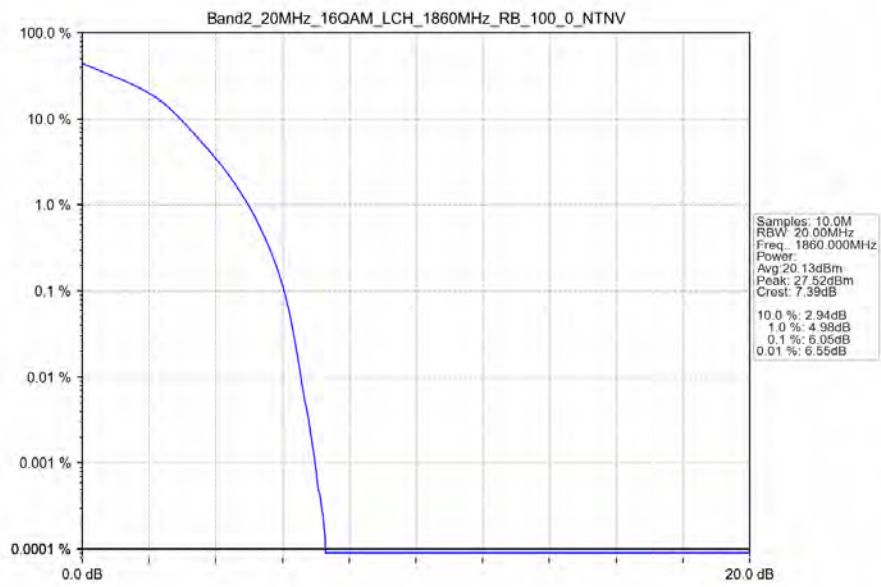
4.2.6 B2\_20MHz



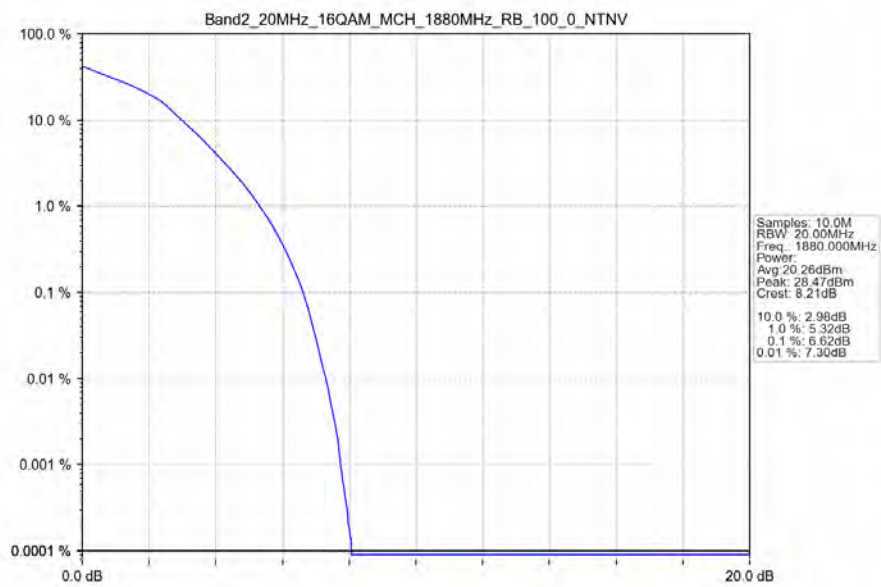
# Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



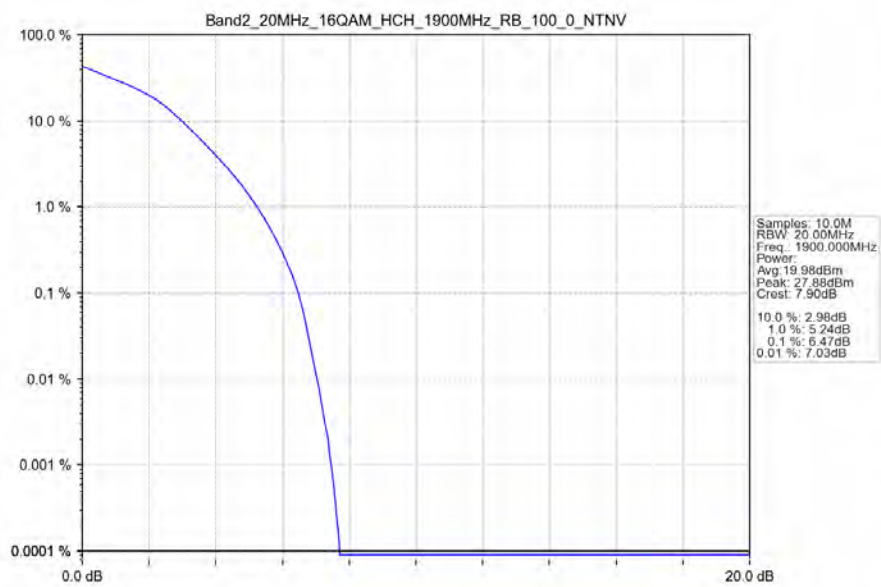
# Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV



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



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



## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 B2\_1.4MHz

| Band: 2 / Bandwidth: 1.4MHz / NTVN |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                    |                 | 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    |

#### 5.1.2 B2\_3MHz

| Band: 2 / Bandwidth: 3MHz / NTNV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | 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    |

#### 5.1.3 B2\_5MHz

| Band: 2 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | 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 |
|       |        | 1  | 0 | Refer To Test Graph | Pass |
|       | 1880   | 1  | 0 | Refer To Test Graph | Pass |
|       |        | 1  | 0 | Refer To Test Graph | Pass |
|       |        | 1  | 0 | Refer To Test Graph | Pass |
|       | 1907.5 | 1  | 0 | Refer To Test Graph | Pass |
|       |        | 24 | 0 | Refer To Test Graph | Pass |
|       |        | 25 | 0 | Refer To Test Graph | Pass |

#### 5.1.4 B2\_10MHz

| Band: 2 / Bandwidth: 10MHz / NTN |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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    |
|                                  | 1905            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 1             | 49     | 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    |
|                                  | 1905            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 1             | 49     | Refer To Test Graph |       | Pass    |
|                                  |                 | 50            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.5 B2\_15MHz

| Band: 2 / Bandwidth: 15MHz / NTN |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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    |
|                                  | 1902.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 1             | 74     | 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    |
|                                  | 1902.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 1             | 74     | Refer To Test Graph |       | Pass    |
|                                  |                 | 75            | 0      | Refer To Test Graph |       | Pass    |

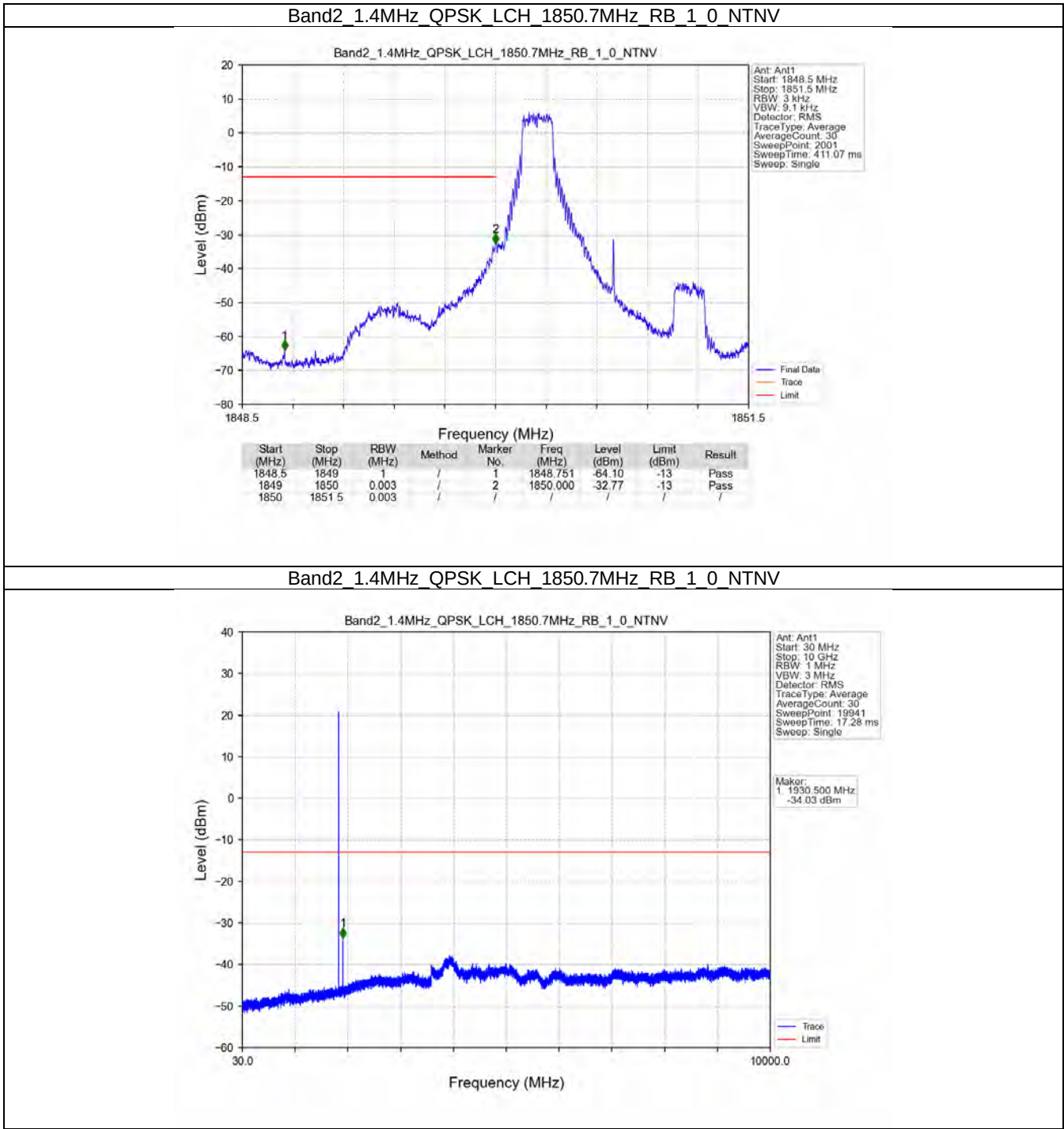
#### 5.1.6 B2\_20MHz

| Band: 2 / Bandwidth: 20MHz / NTN |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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    |

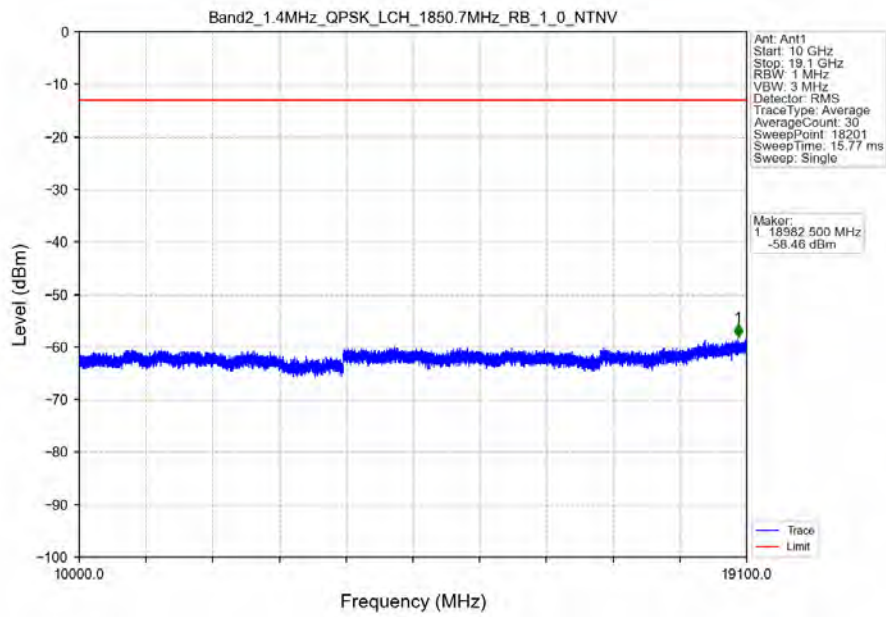
|       |      |     |    |                     |      |
|-------|------|-----|----|---------------------|------|
| 16QAM | 1900 | 1   | 0  | Refer To Test Graph | Pass |
|       |      |     | 99 | Refer To Test Graph | Pass |
|       |      | 100 | 0  | Refer To Test Graph | Pass |
|       | 1860 | 1   | 0  | Refer To Test Graph | Pass |
|       |      | 100 | 0  | Refer To Test Graph | Pass |
|       | 1880 | 1   | 0  | Refer To Test Graph | Pass |
|       | 1900 | 1   | 0  | Refer To Test Graph | Pass |
|       |      |     | 99 | Refer To Test Graph | Pass |
|       |      | 100 | 0  | Refer To Test Graph | Pass |

5.2 Test Graph

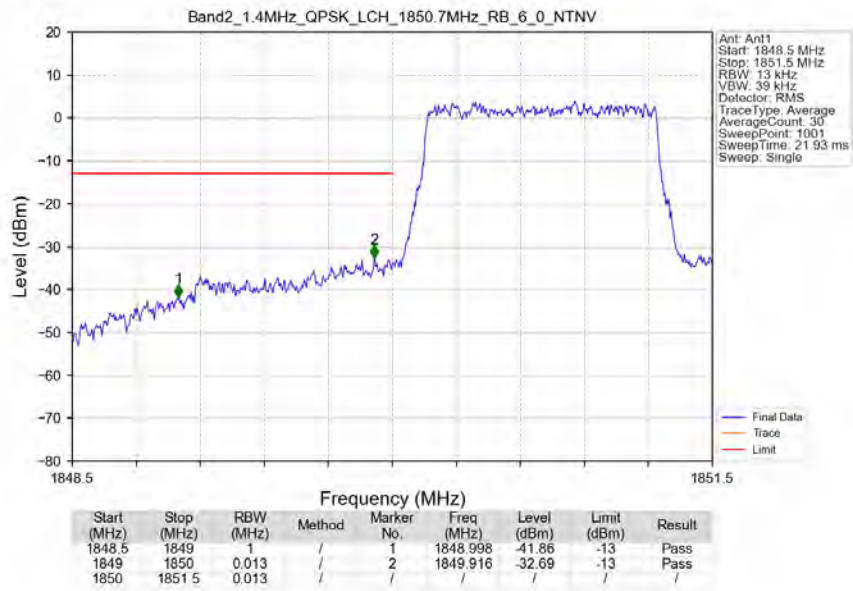
5.2.1 B2\_1.4MHz



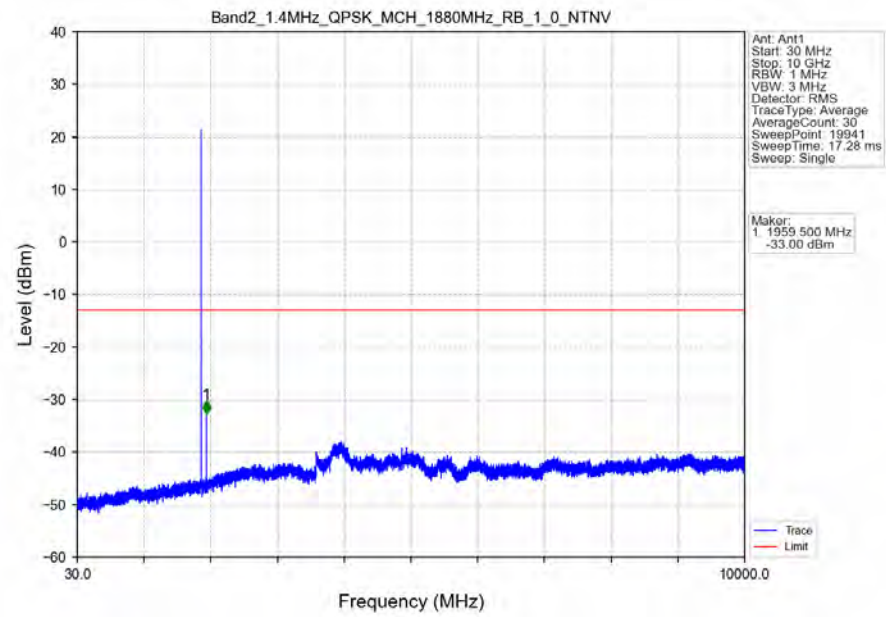
# Band2\_1.4MHz\_QPSK\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



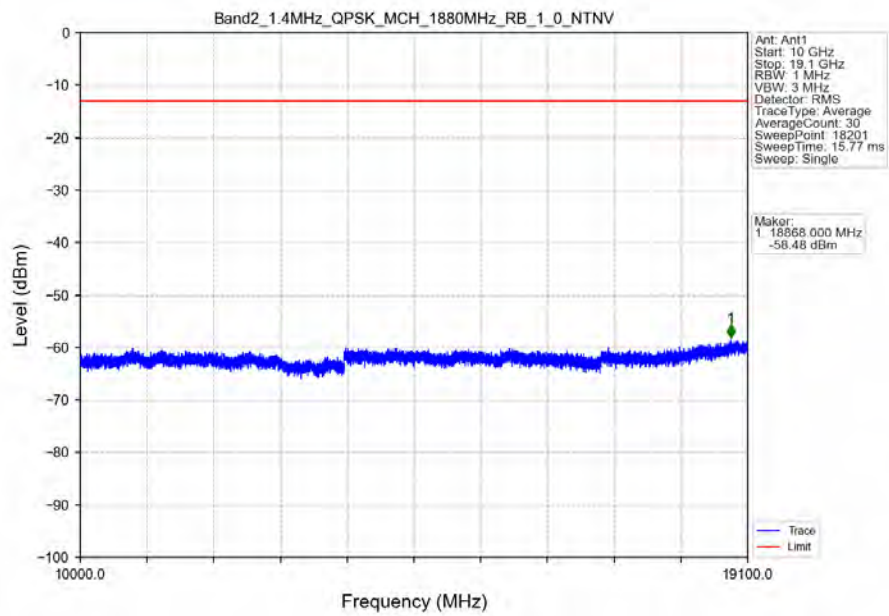
# Band2\_1.4MHz\_QPSK\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



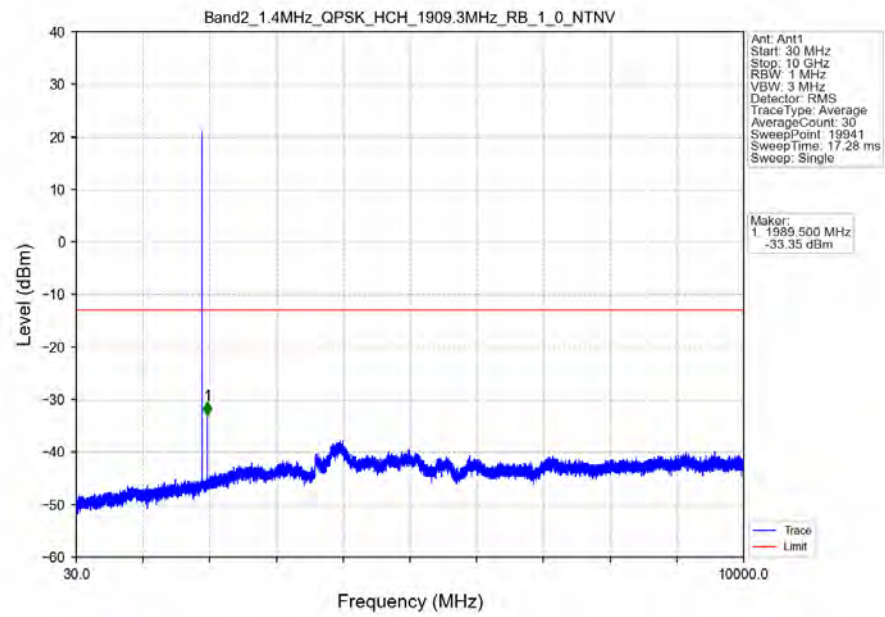
# Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



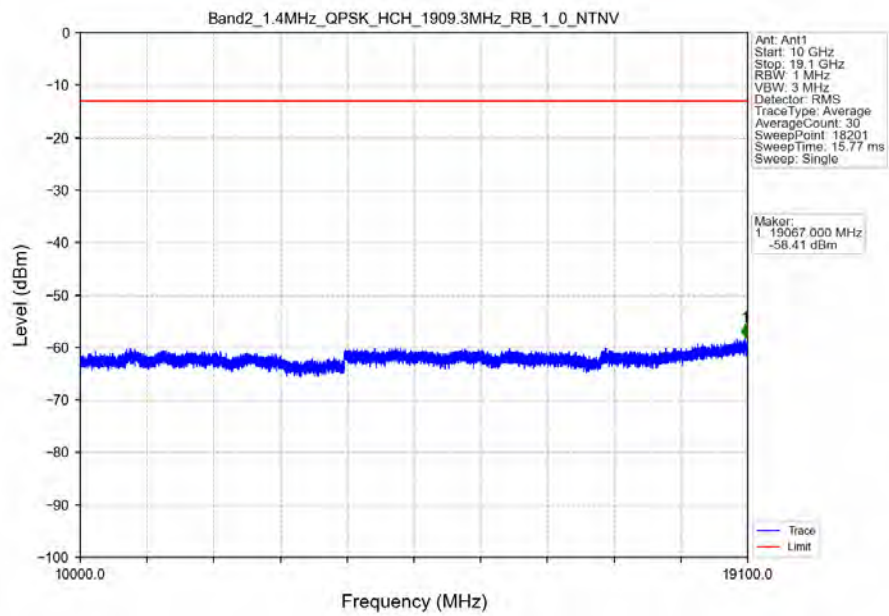
# Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



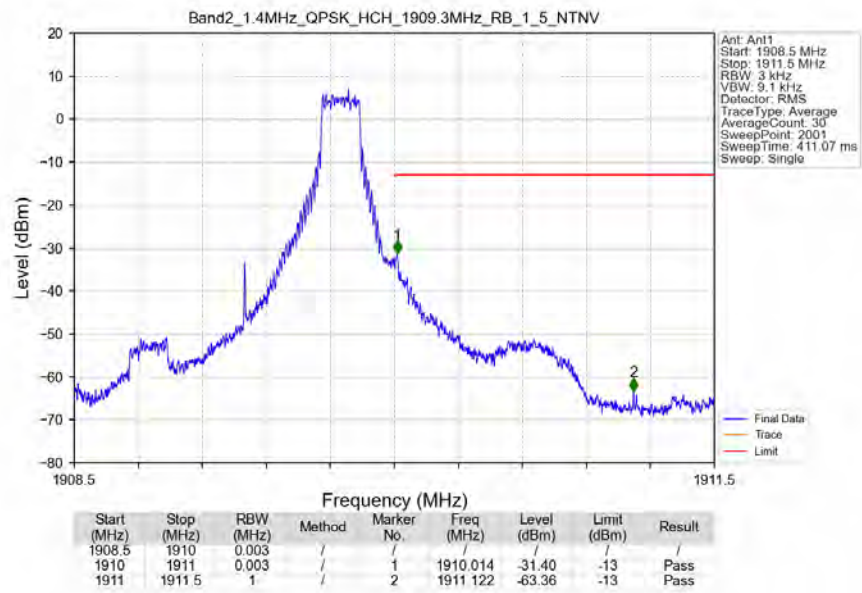
# Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



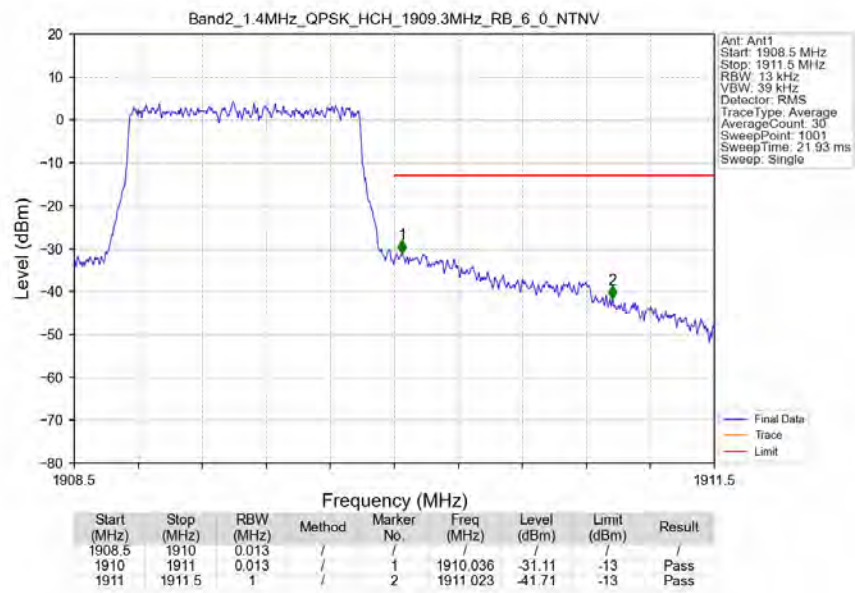
# Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



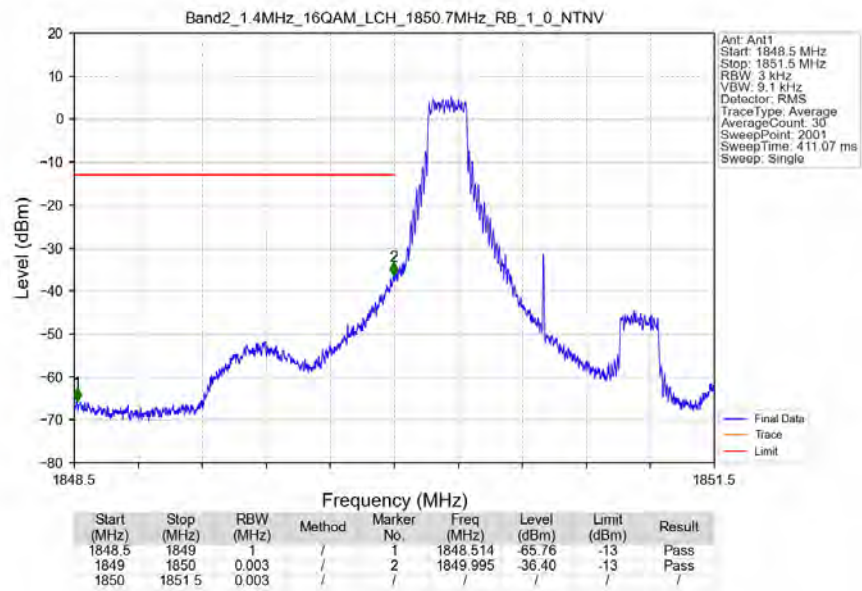
# Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_1\_5\_NTNV



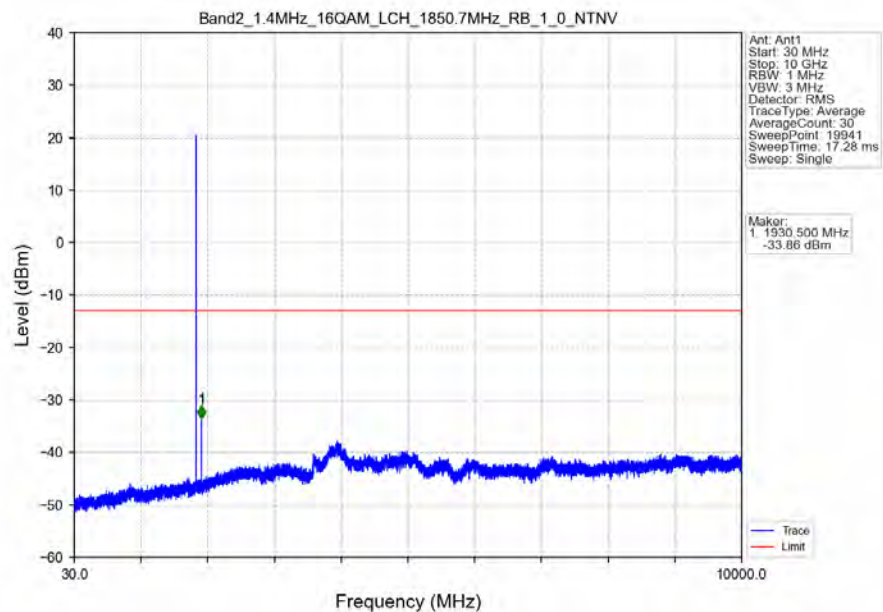
# Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



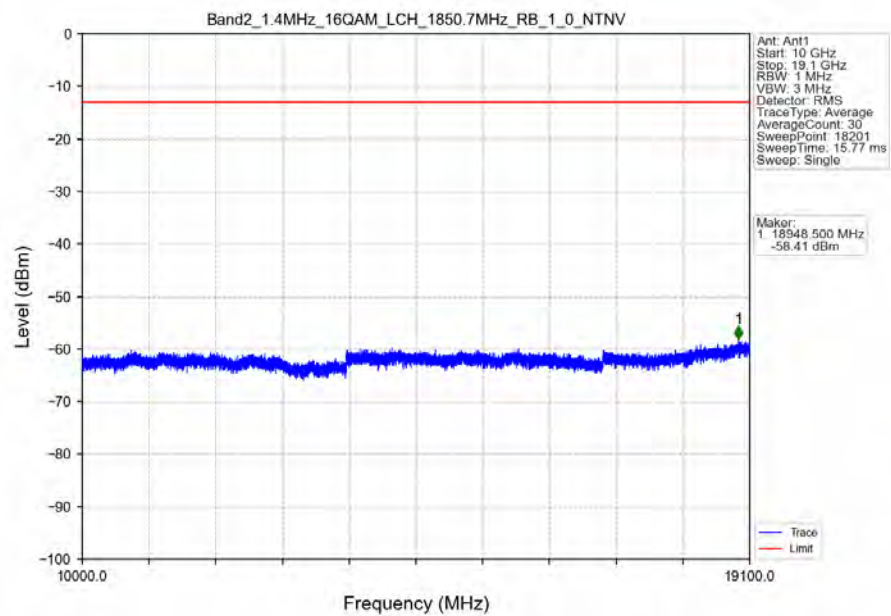
Band2 1.4MHz 16QAM LCH 1850.7MHz RB 1 0 NTN



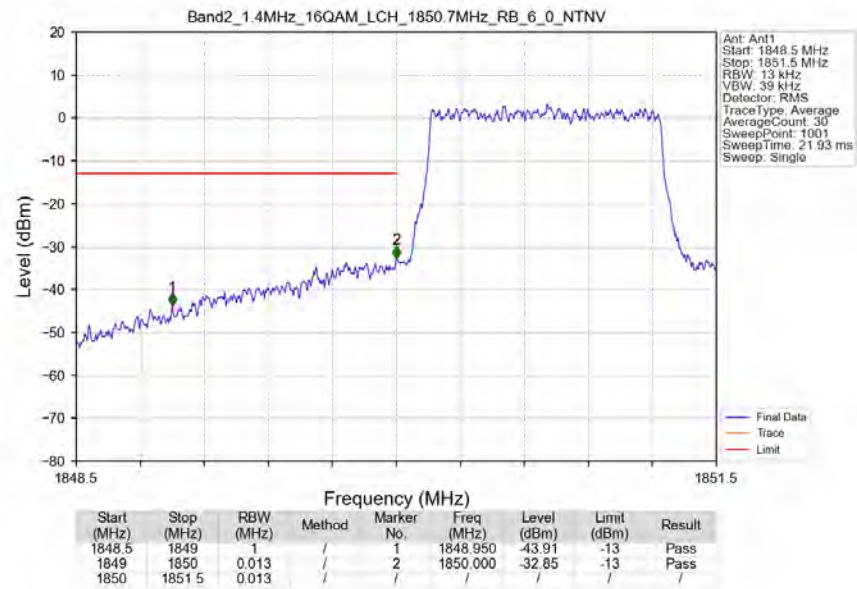
Band2 1.4MHz 16QAM LCH 1850.7MHz RB 1 0 NTN



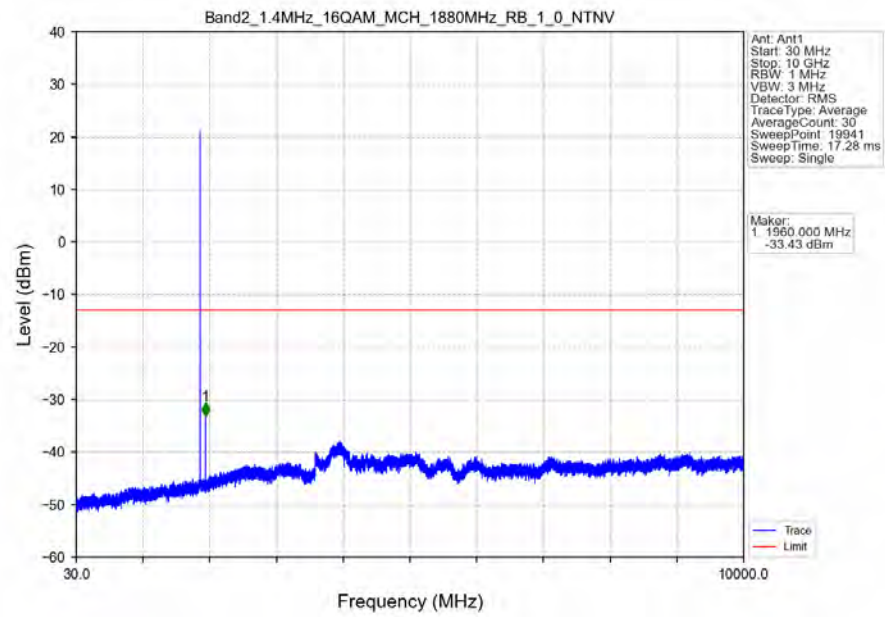
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



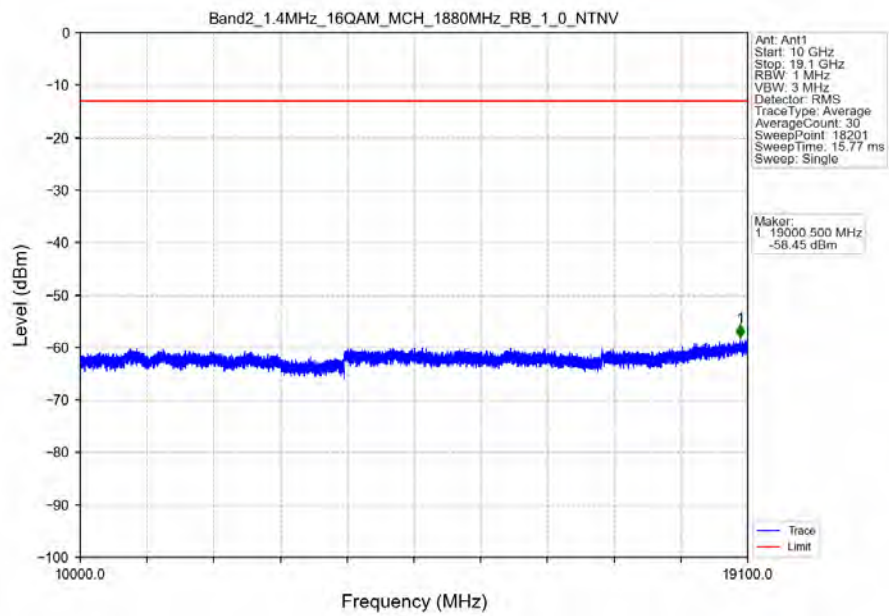
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV



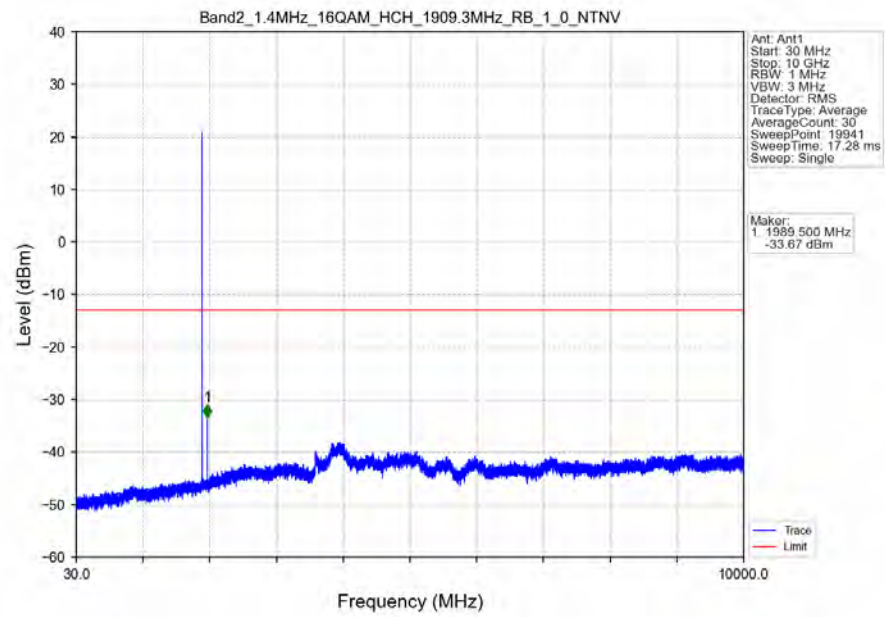
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



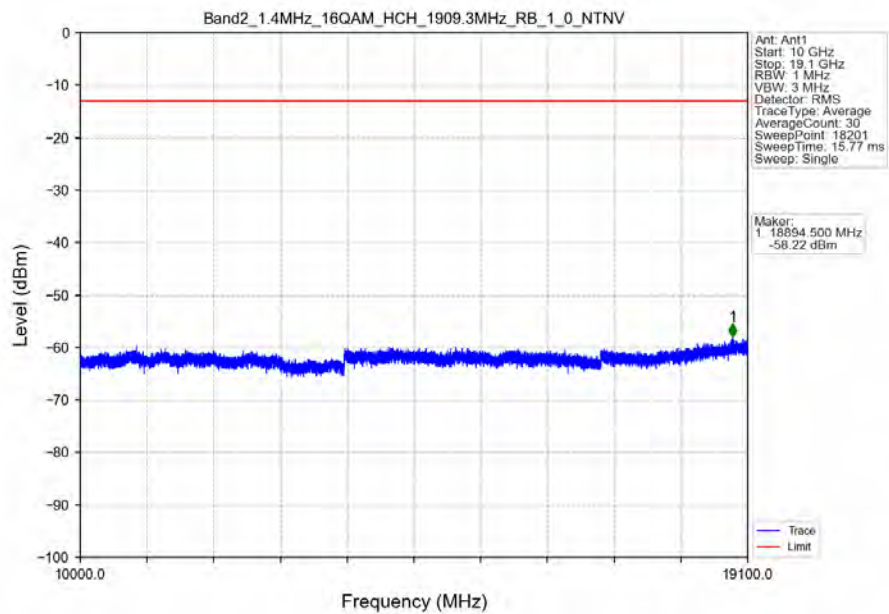
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



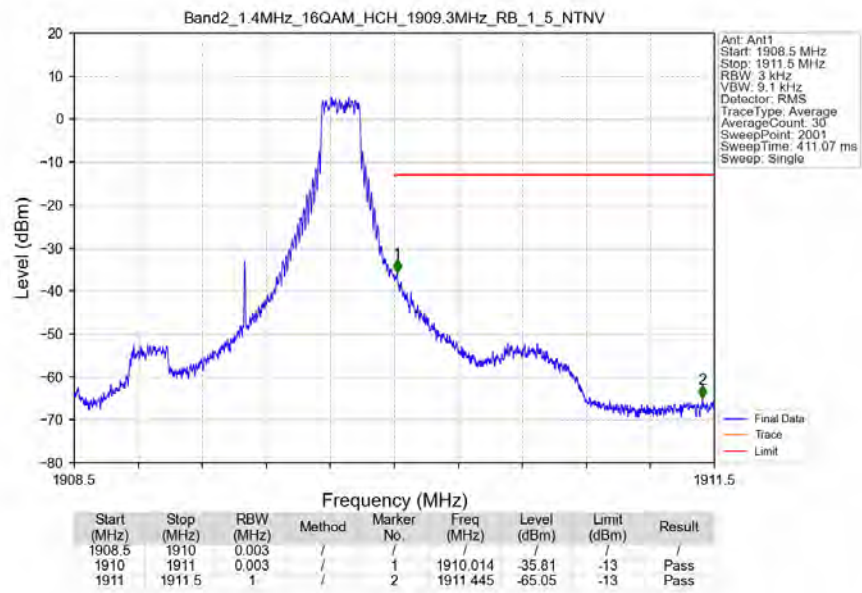
Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



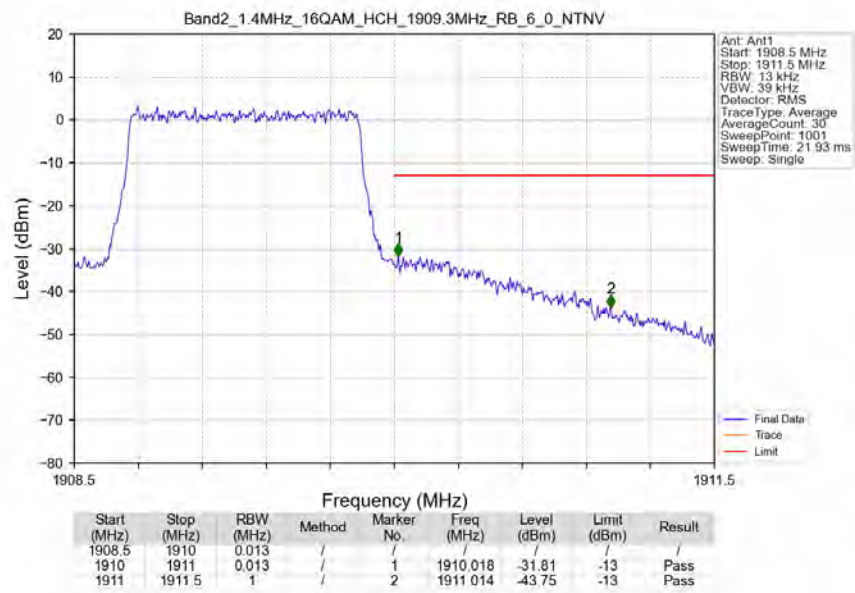
Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



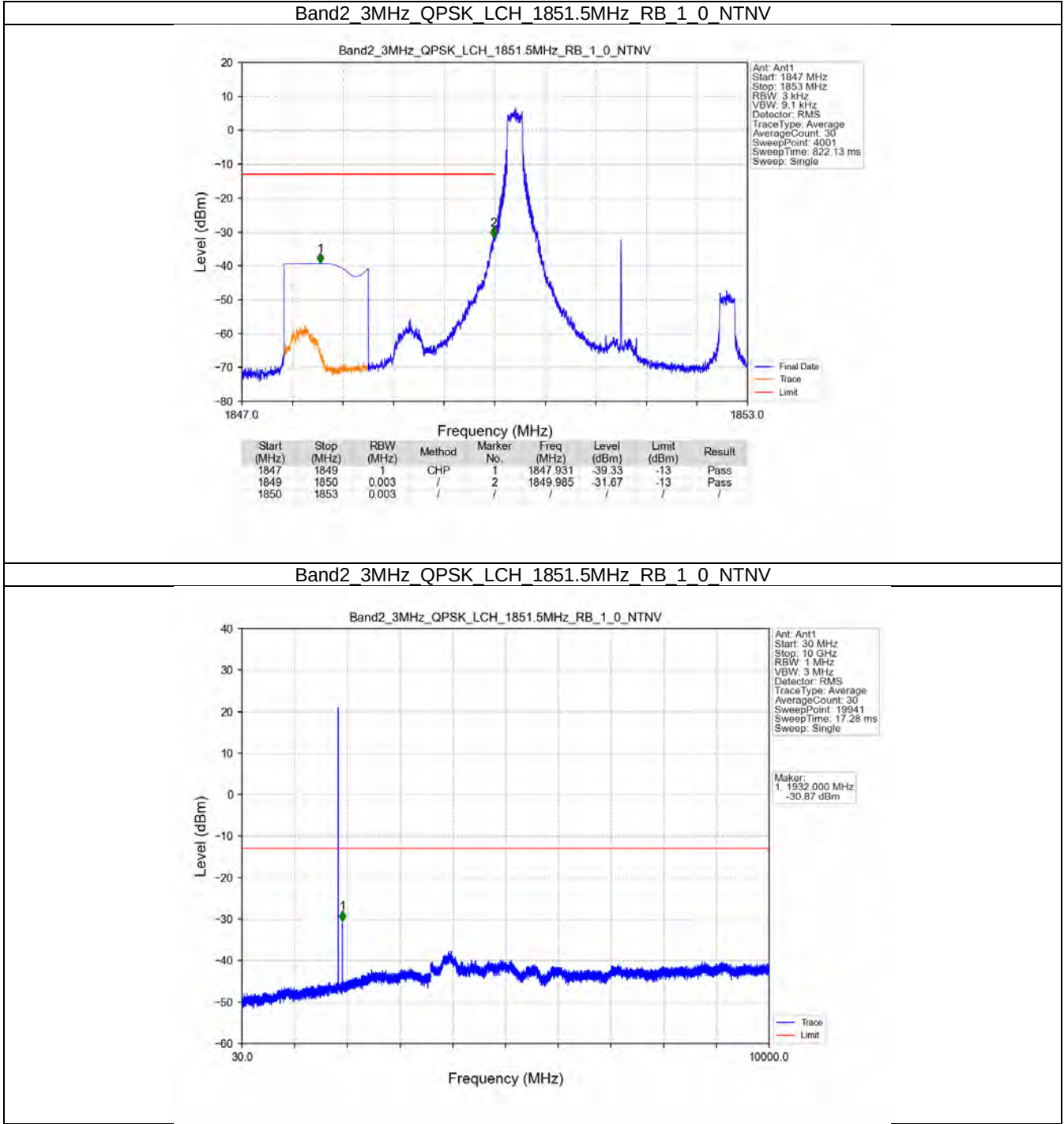
### Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_1\_5\_NTNV



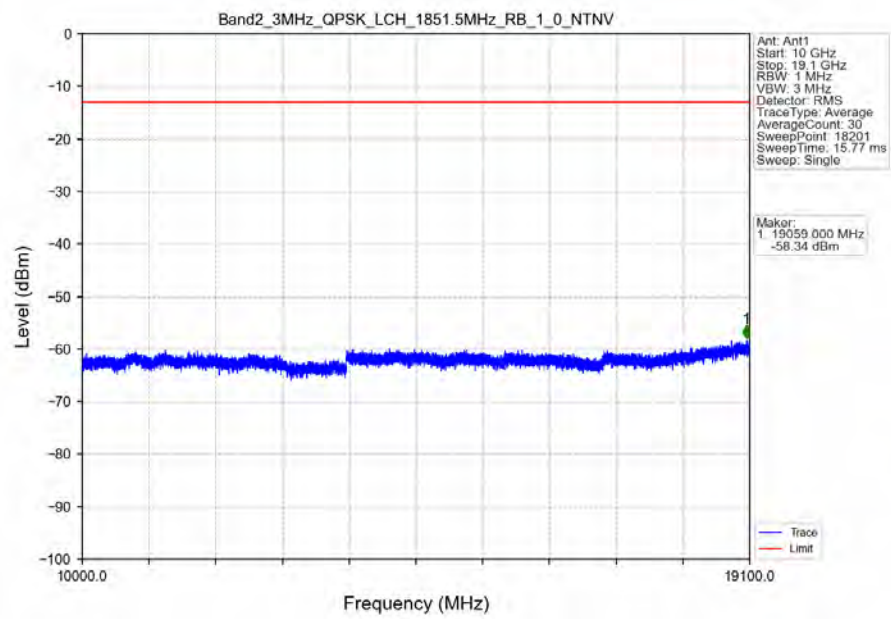
### Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



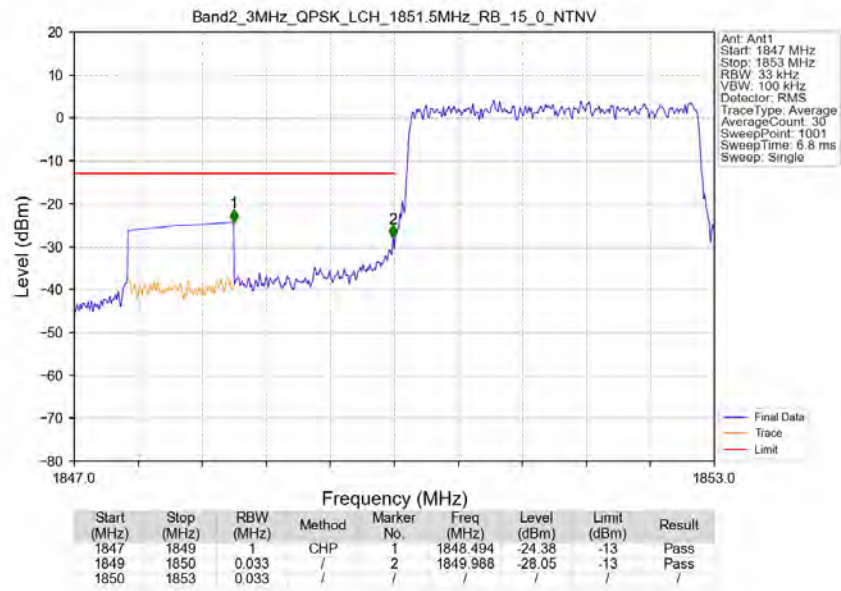
5.2.2 B2\_3MHz



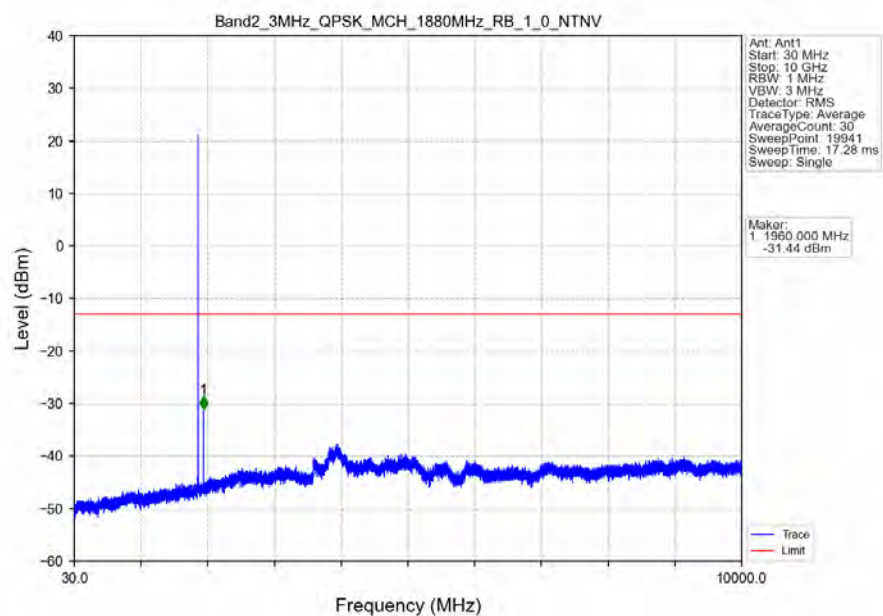
Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_1\_0\_NTNV



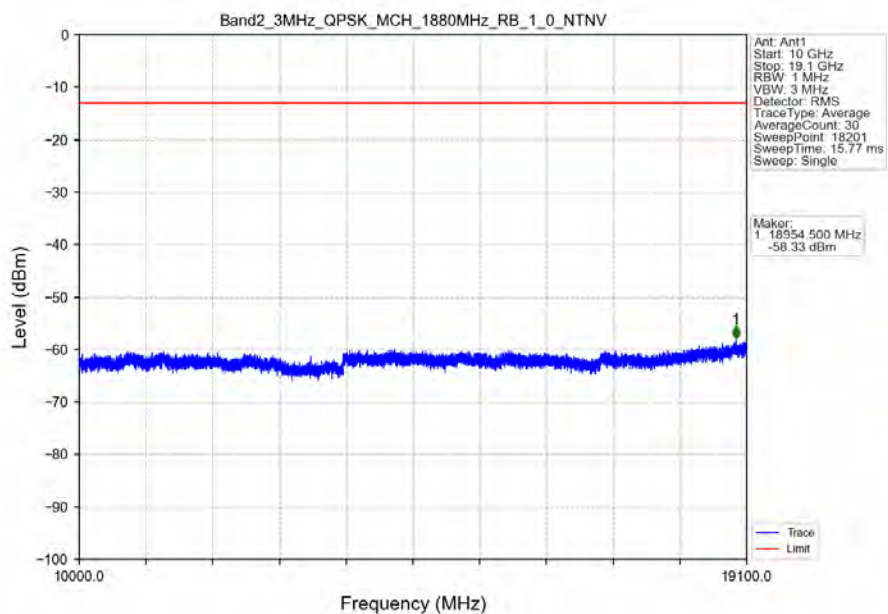
Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



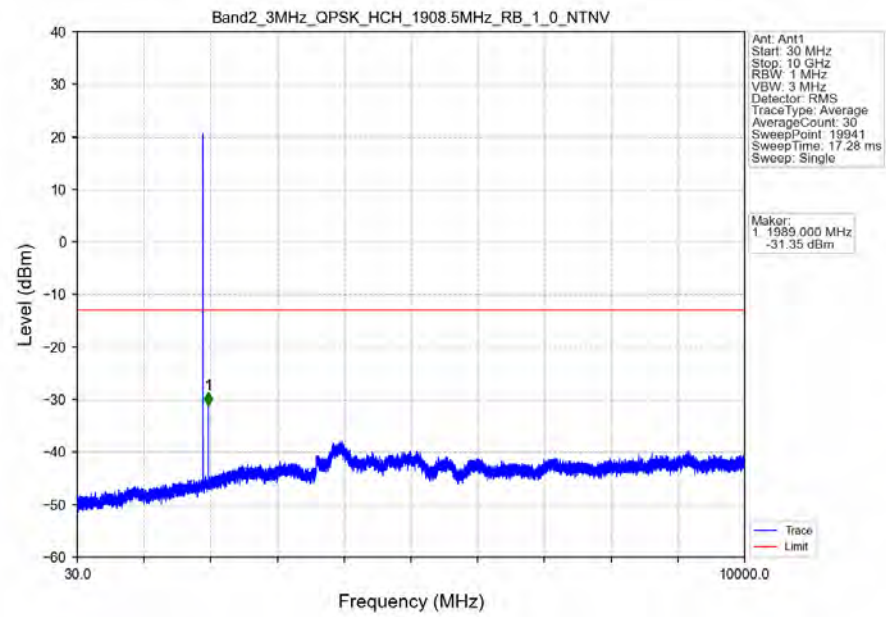
# Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



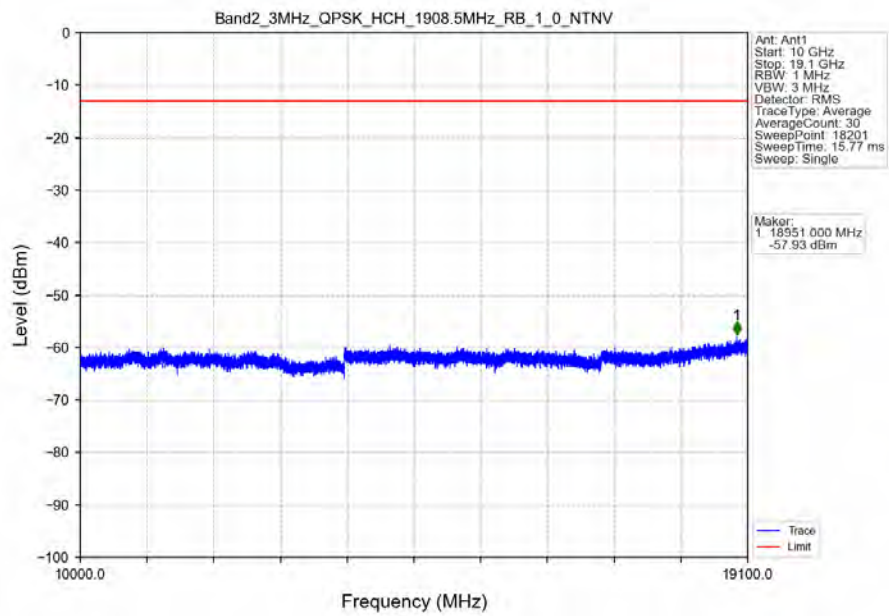
# Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



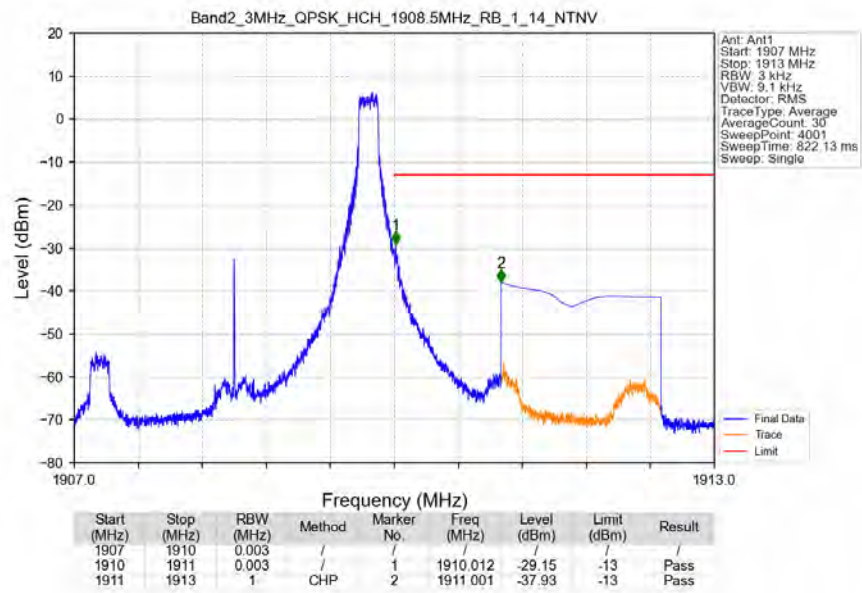
# Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_1\_0\_NTNV



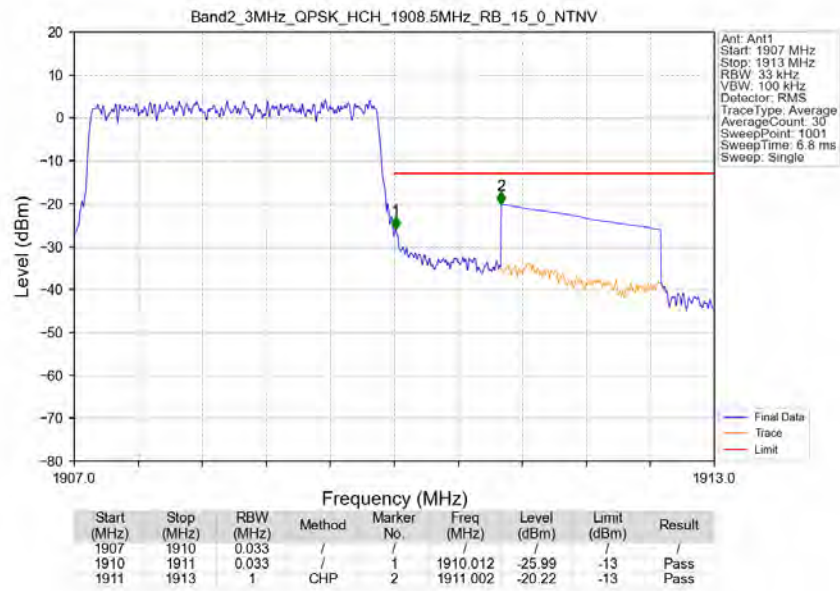
# Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_1\_0\_NTNV



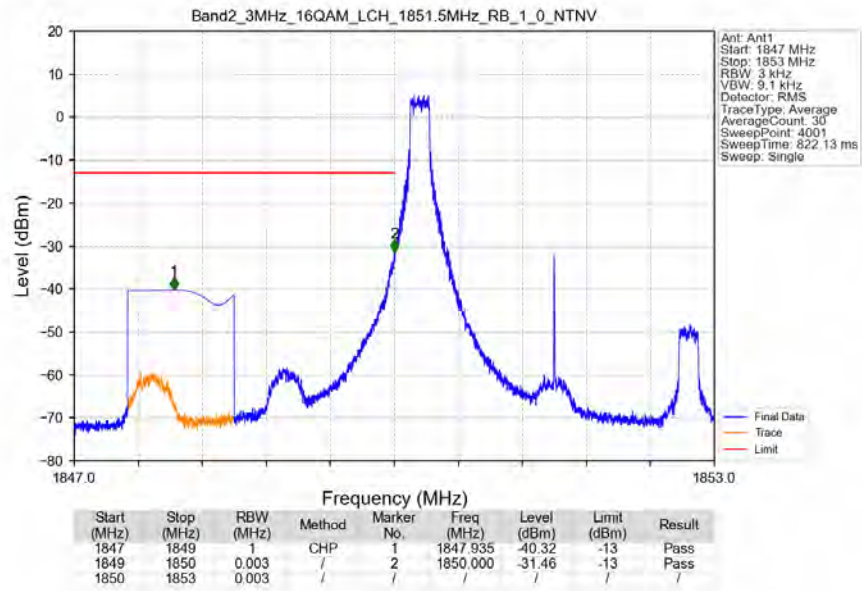
# Band2 3MHz QPSK HCH 1908.5MHz RB 1 14 NTV



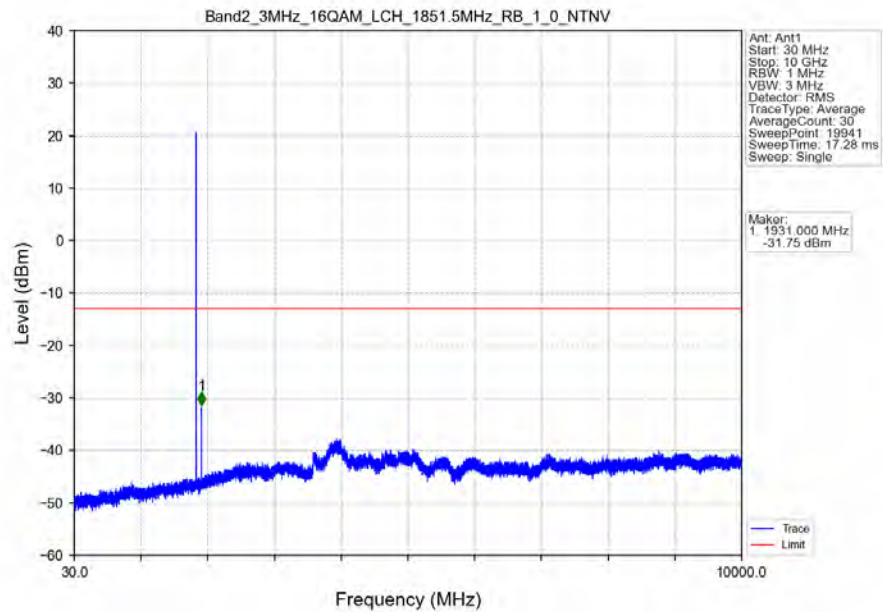
# Band2 3MHz QPSK HCH 1908.5MHz RB 15 0 NTV



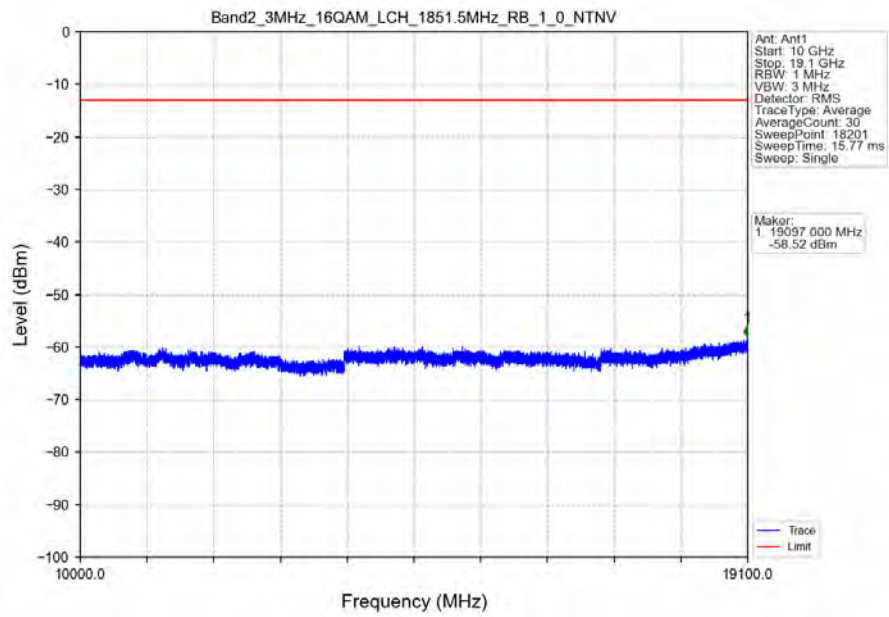
# Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_1\_0\_NTNV



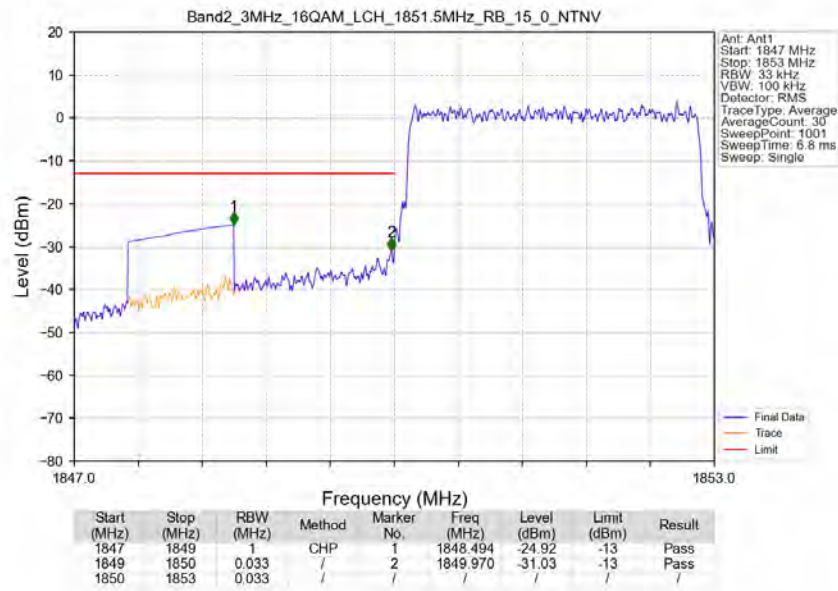
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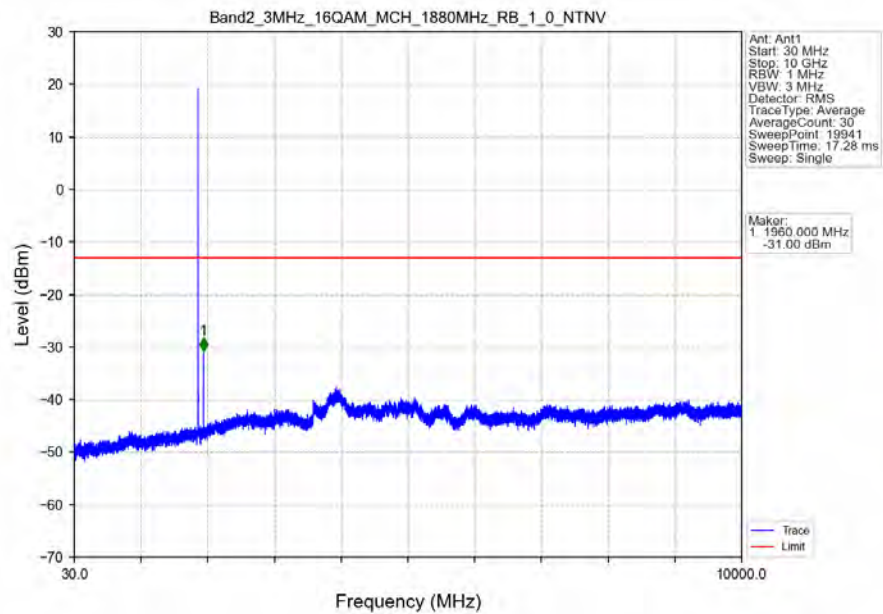
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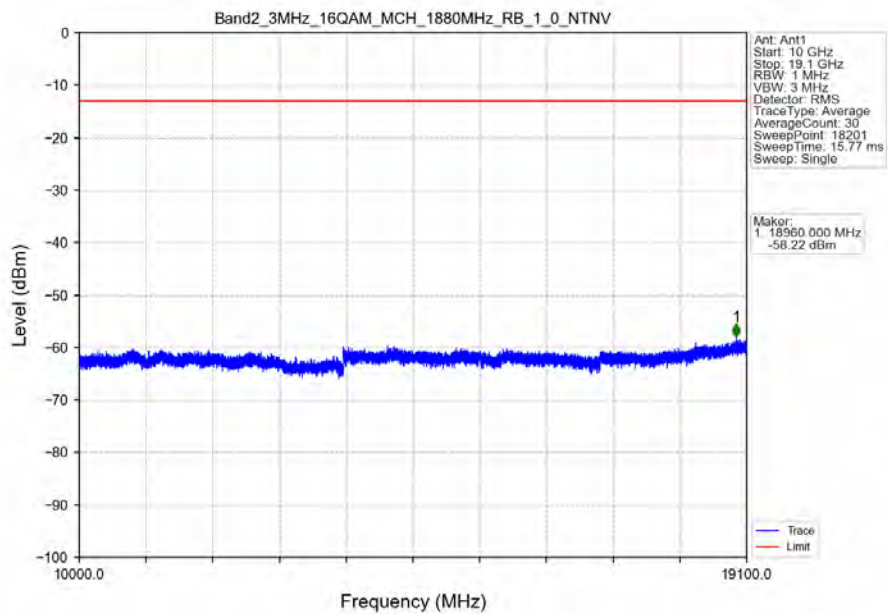
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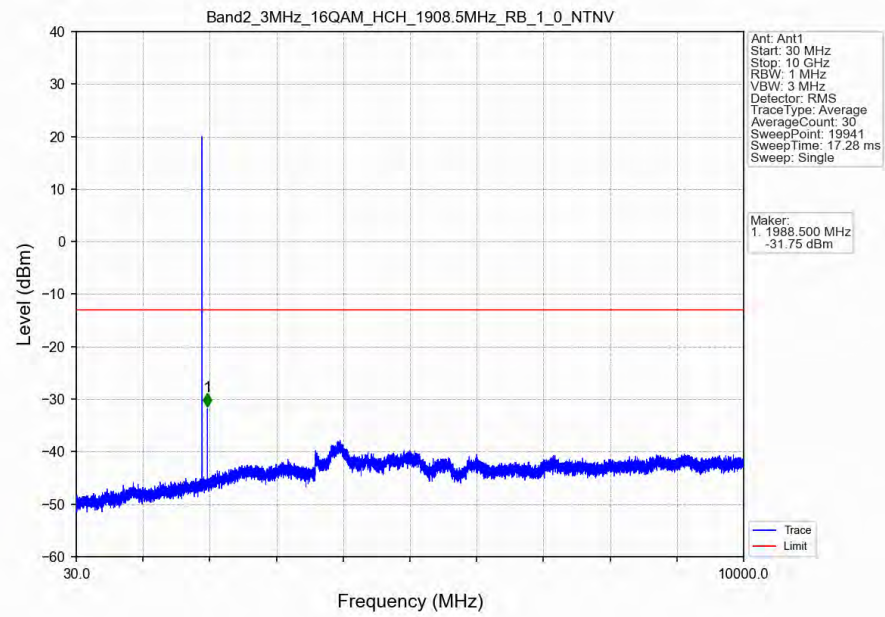
Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



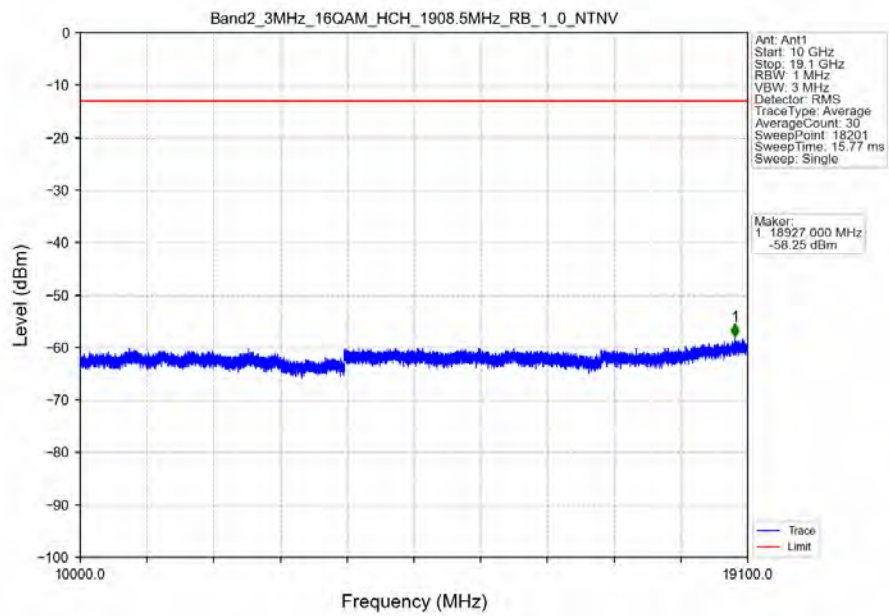
Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



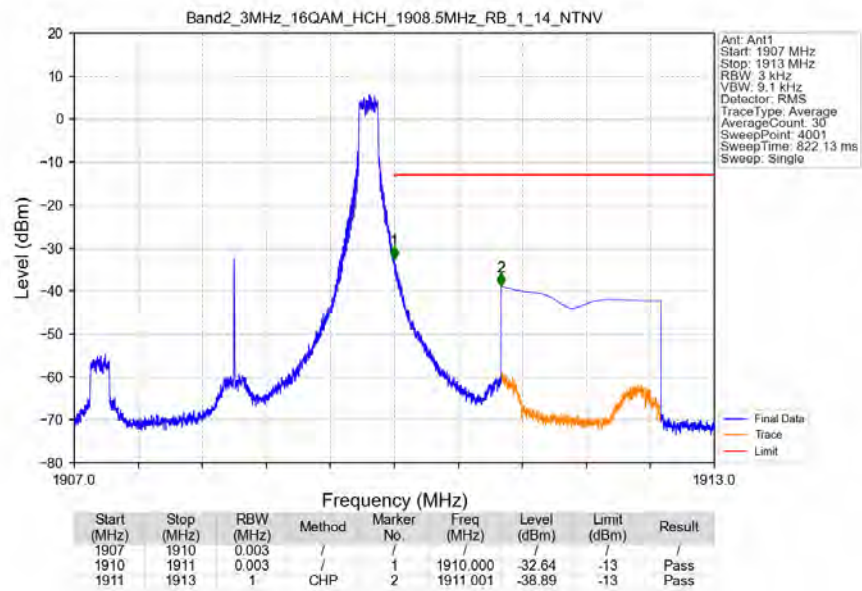
# Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_1\_0\_NTNV



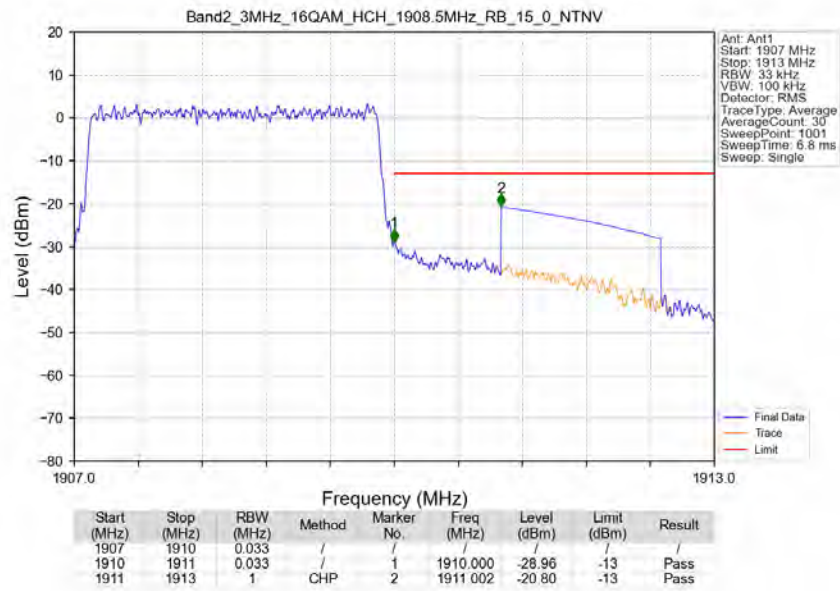
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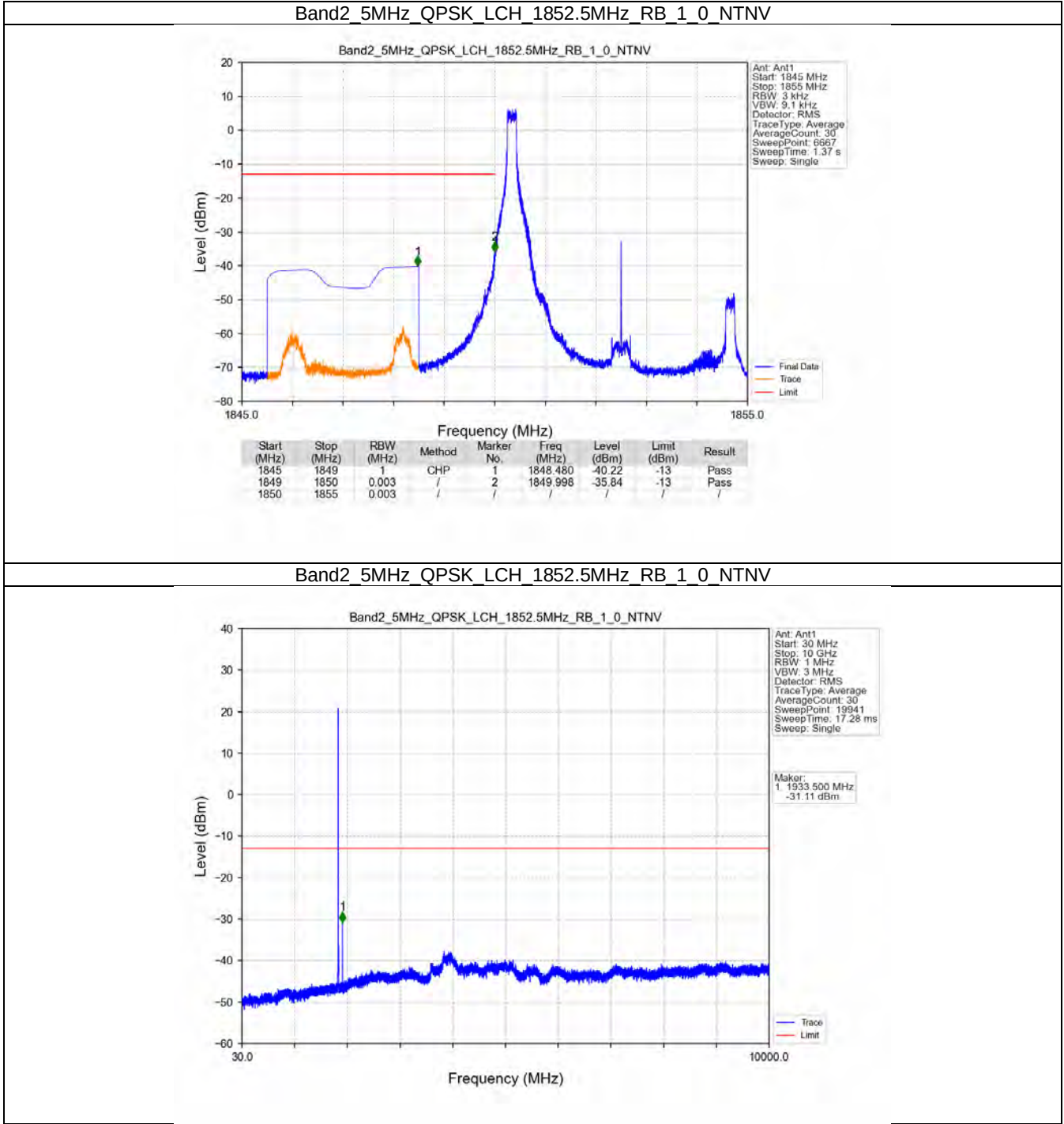
# Band2 3MHz 16QAM HCH 1908.5MHz RB 1 14 NTNV



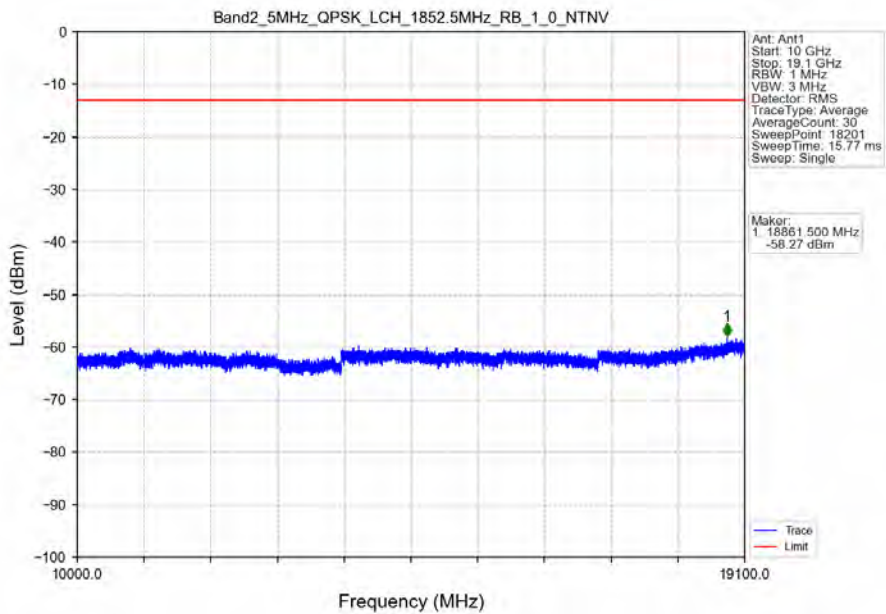
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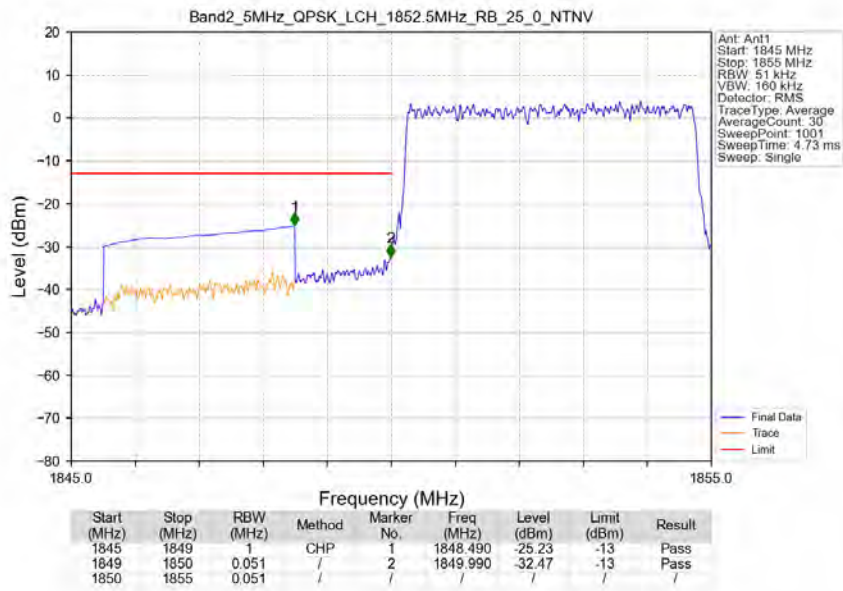
5.2.3 B2\_5MHz



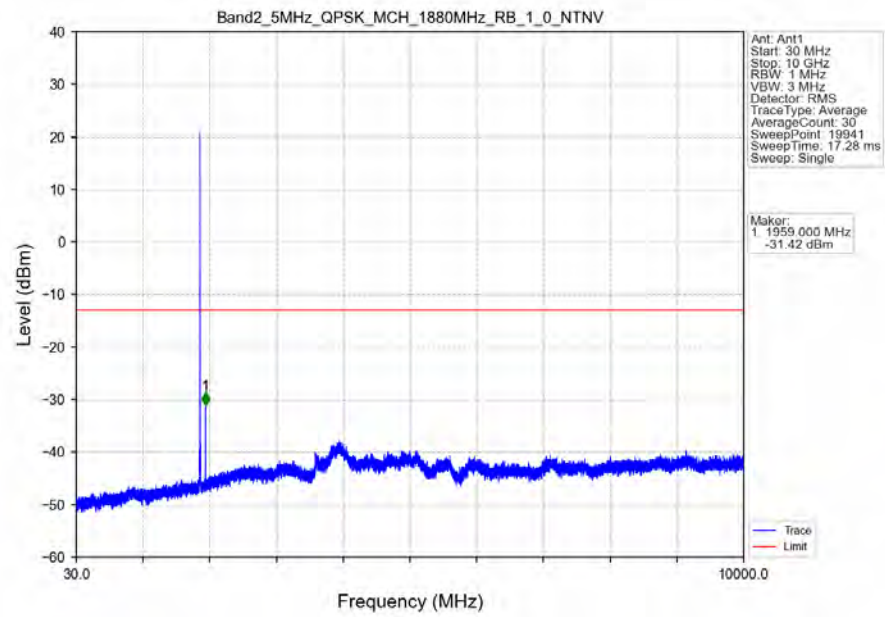
Band2 5MHz QPSK LCH 1852.5MHz RB 1 0 NTV



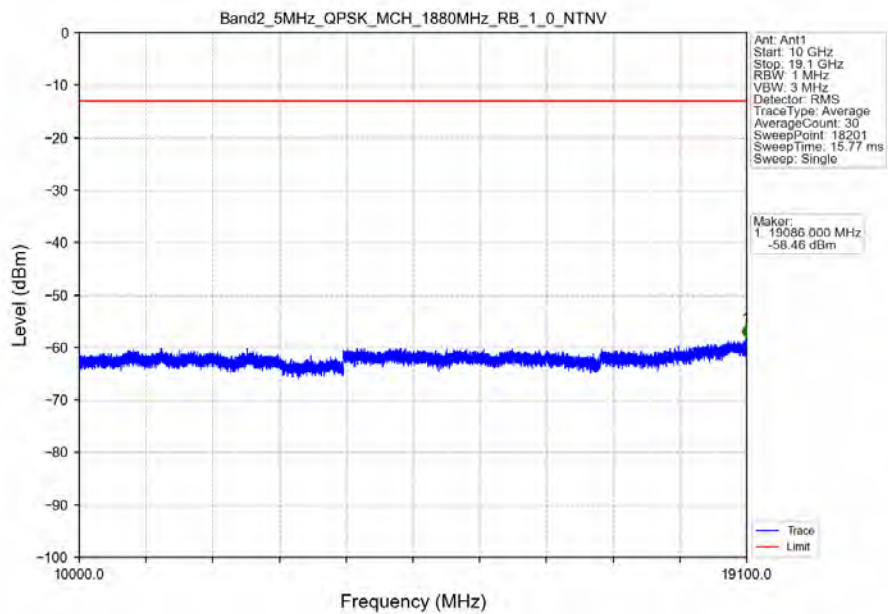
Band2 5MHz QPSK LCH 1852.5MHz RB 25 0 NTV



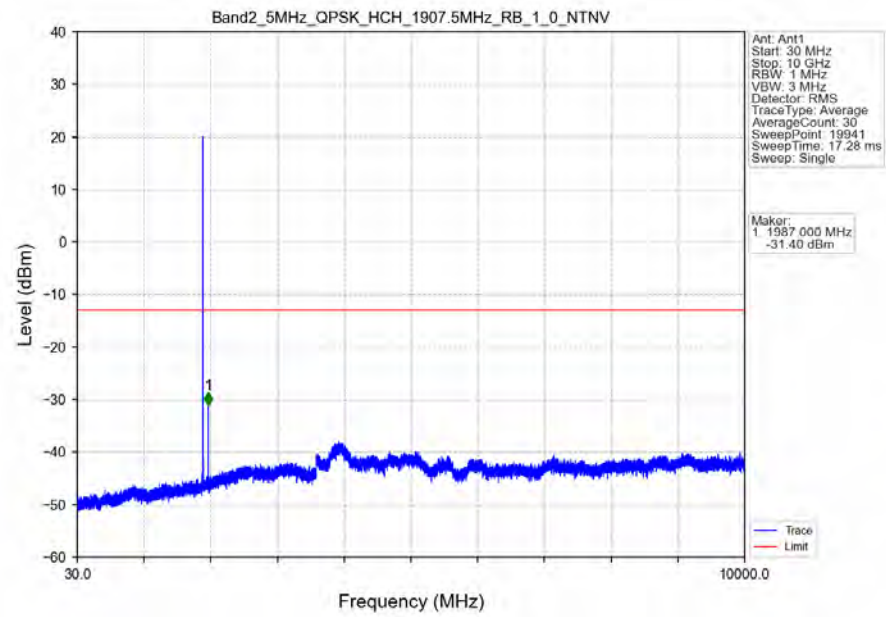
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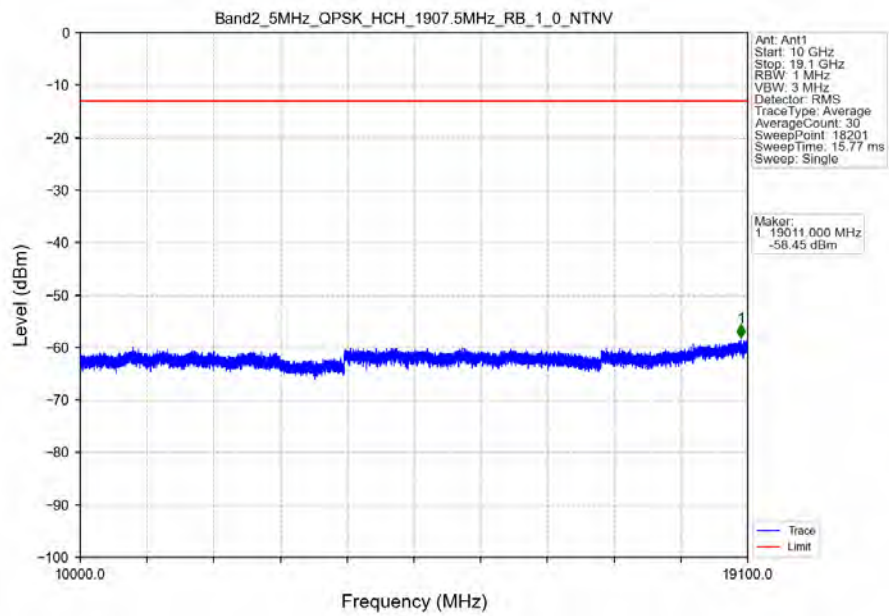
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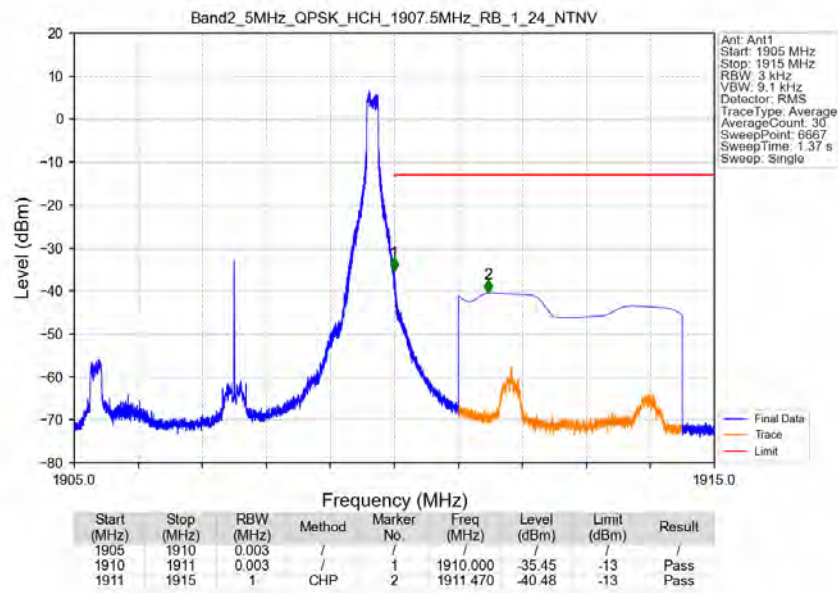
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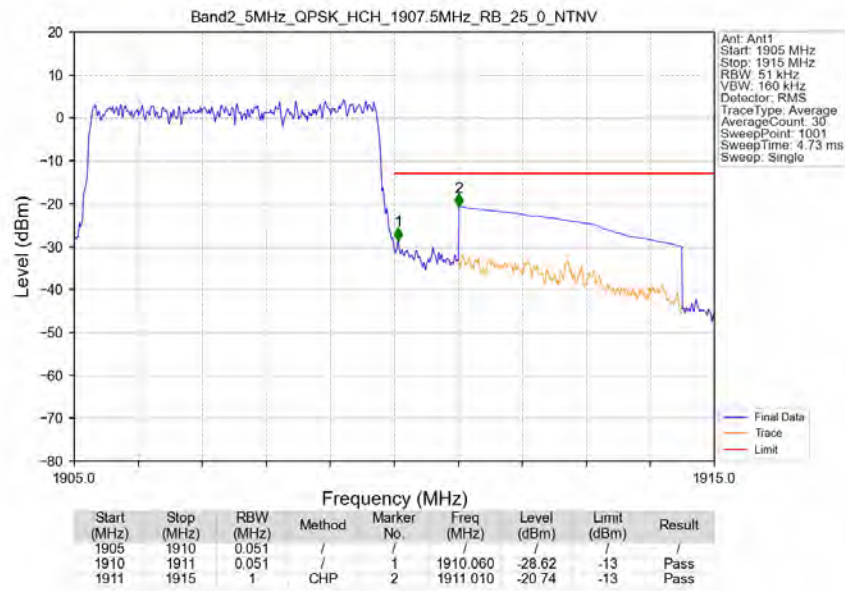
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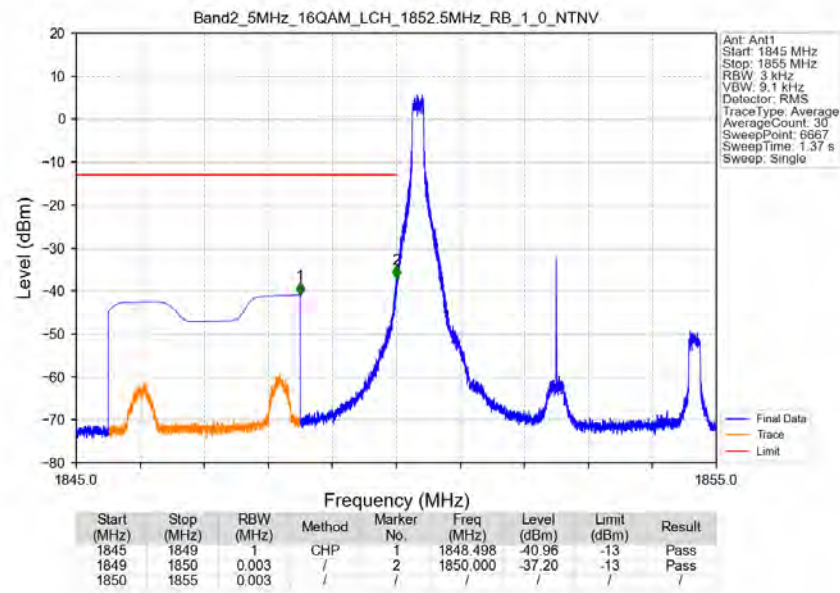
# Band2 5MHz QPSK HCH 1907.5MHz RB 1 24 NTV



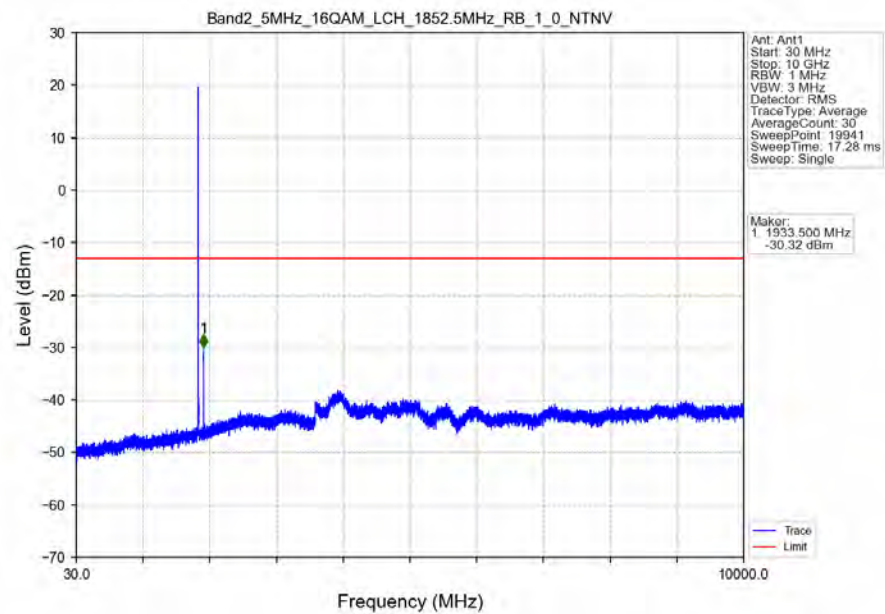
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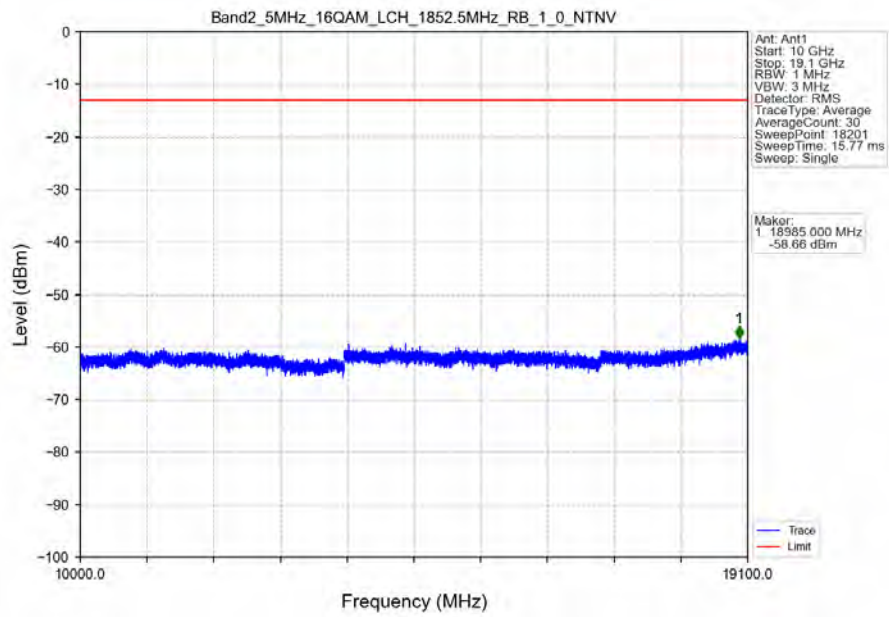
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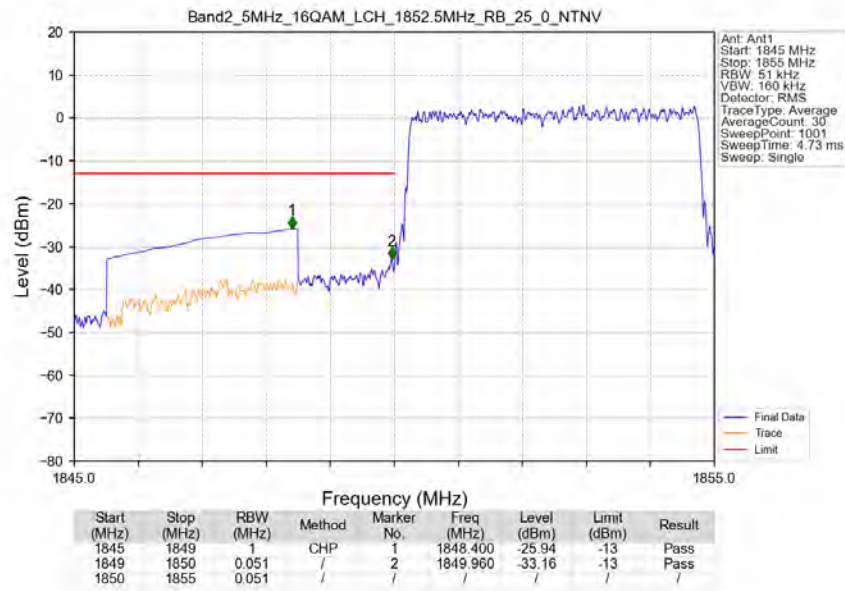
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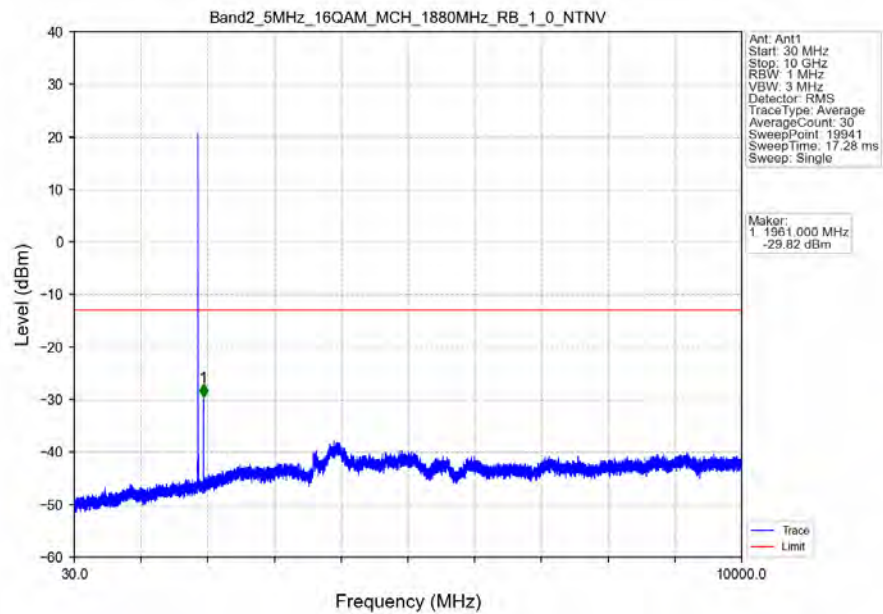
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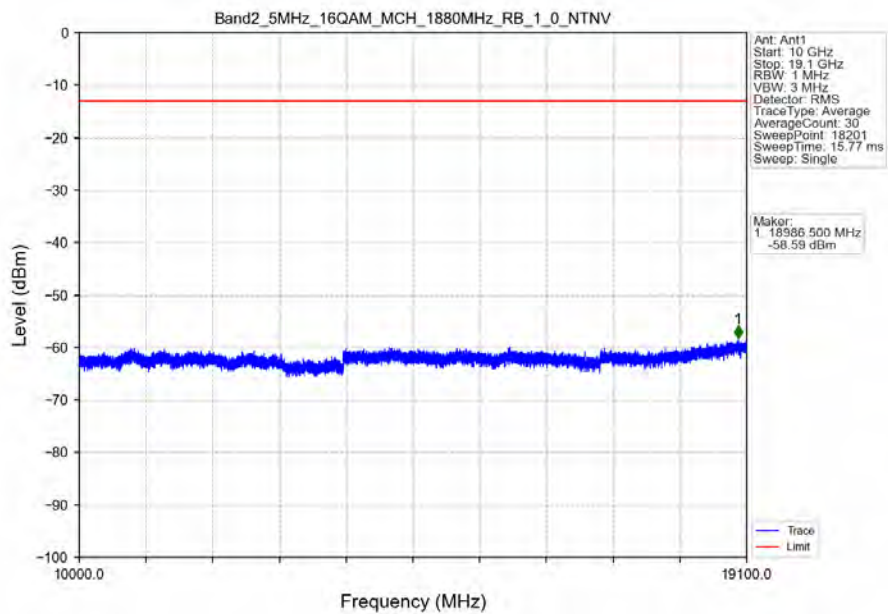
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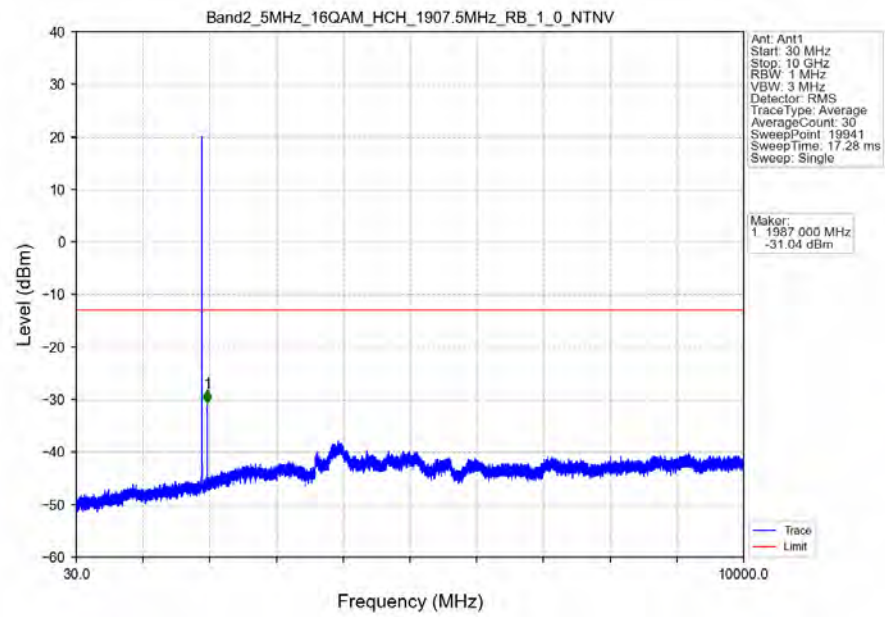
Band2\_5MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



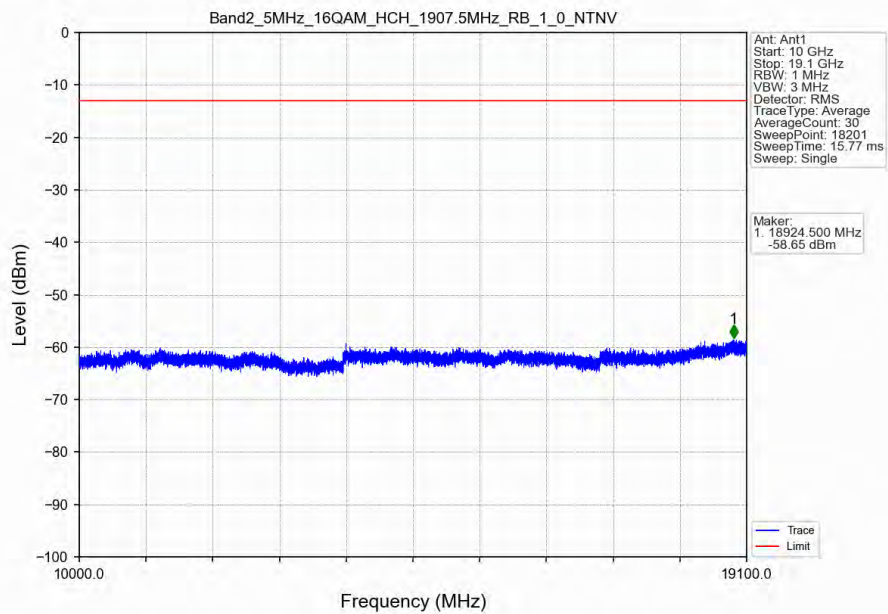
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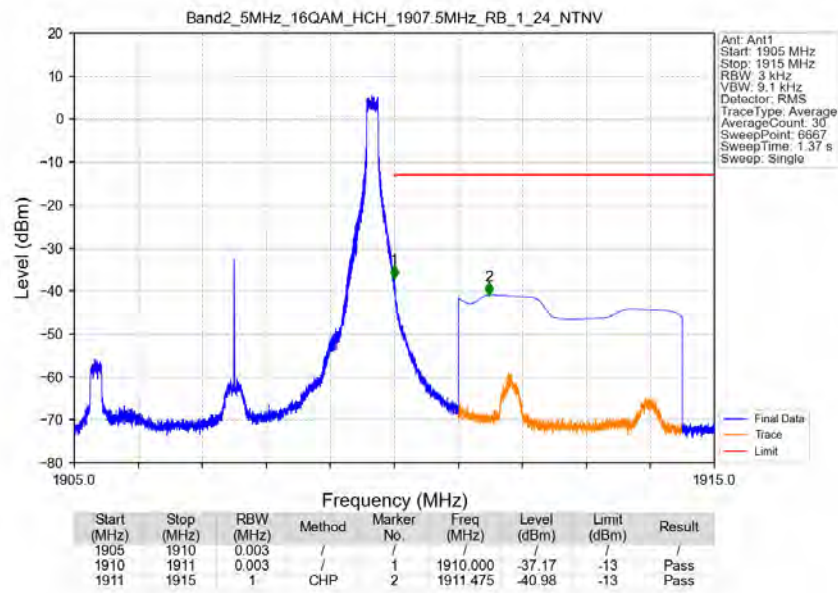
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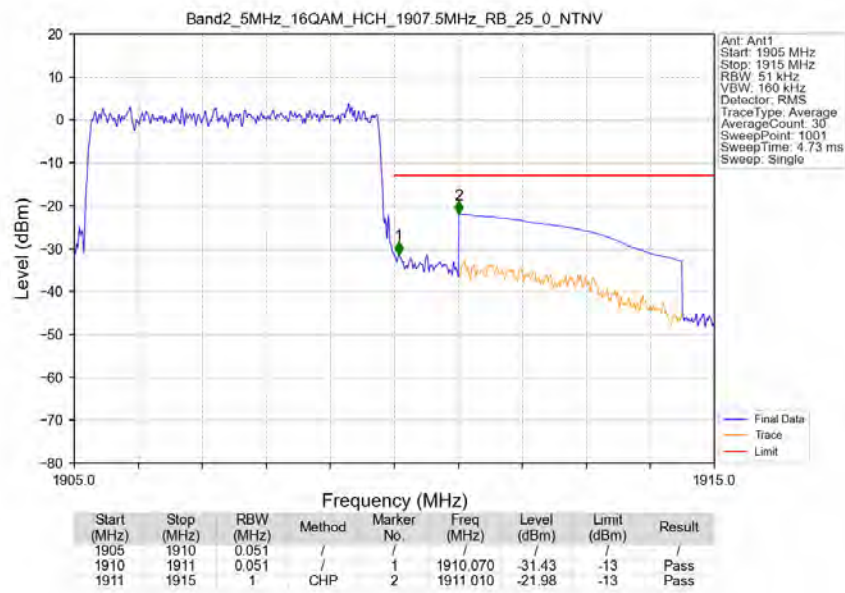
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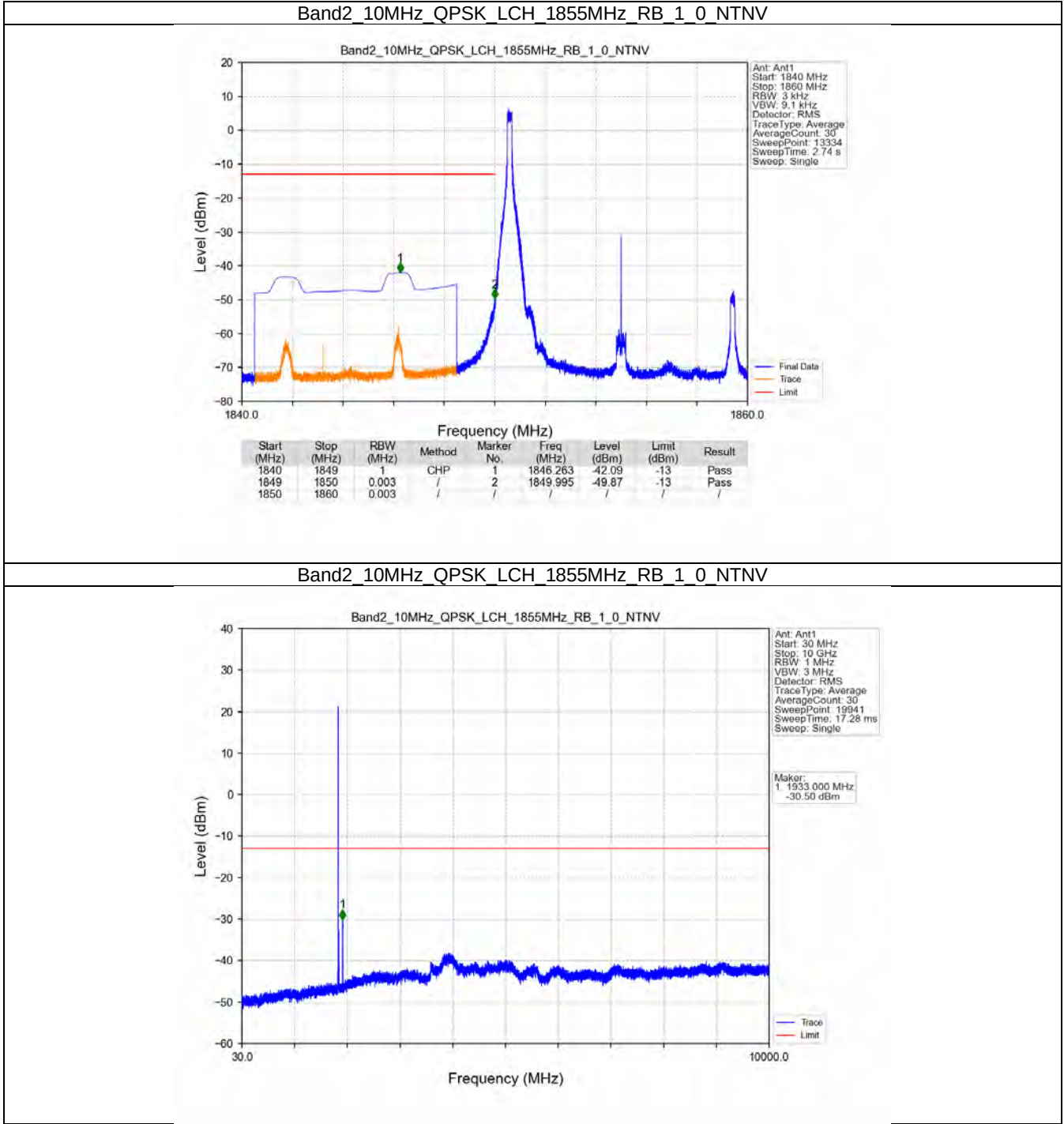
# Band2 5MHz 16QAM HCH 1907.5MHz RB 1 24 NTNV



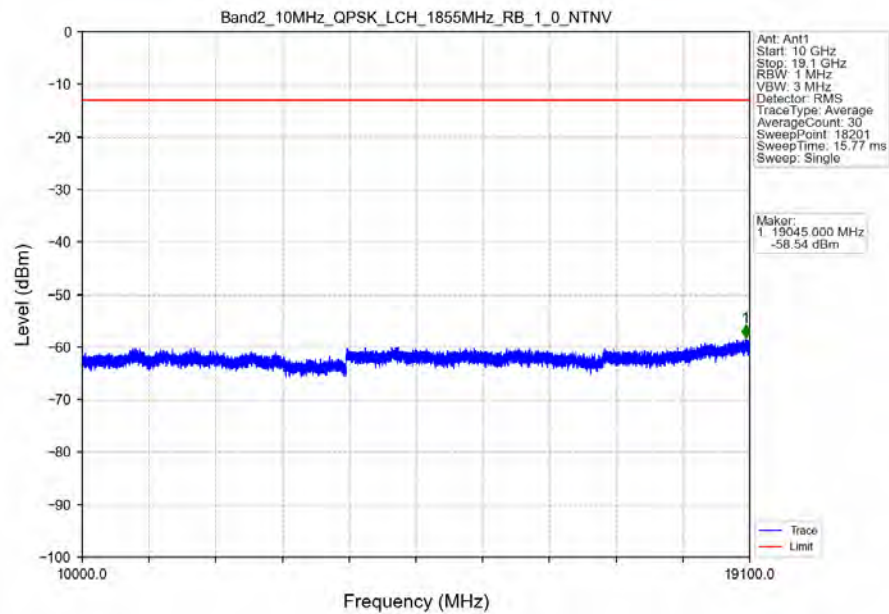
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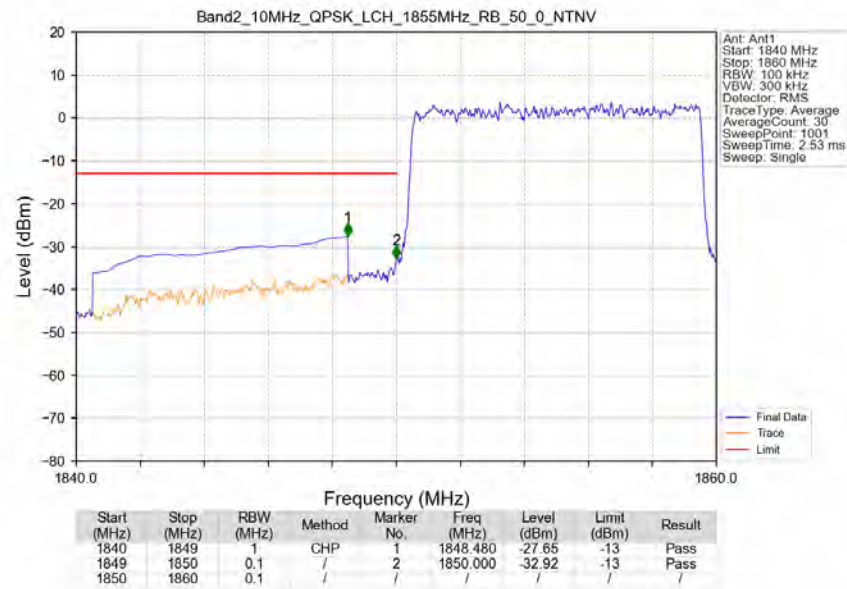
5.2.4 B2\_10MHz



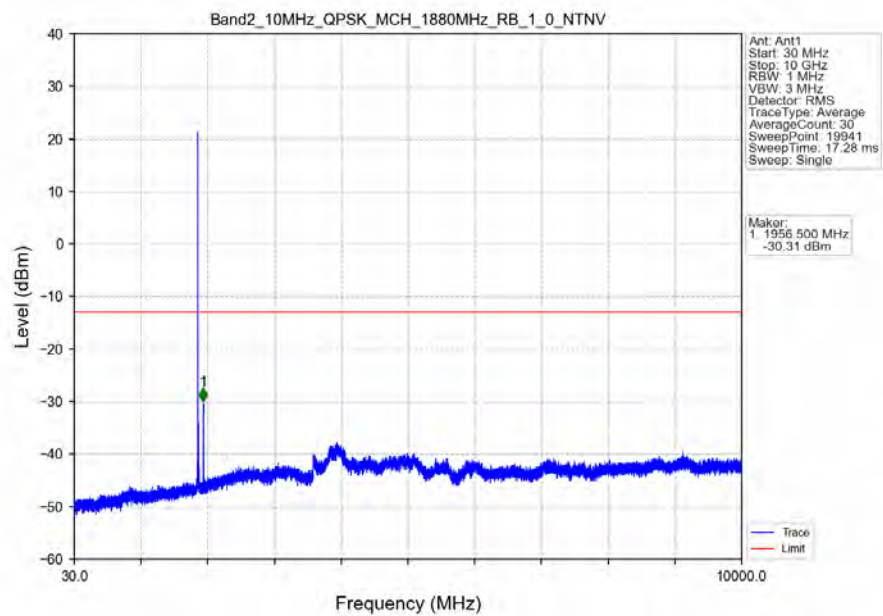
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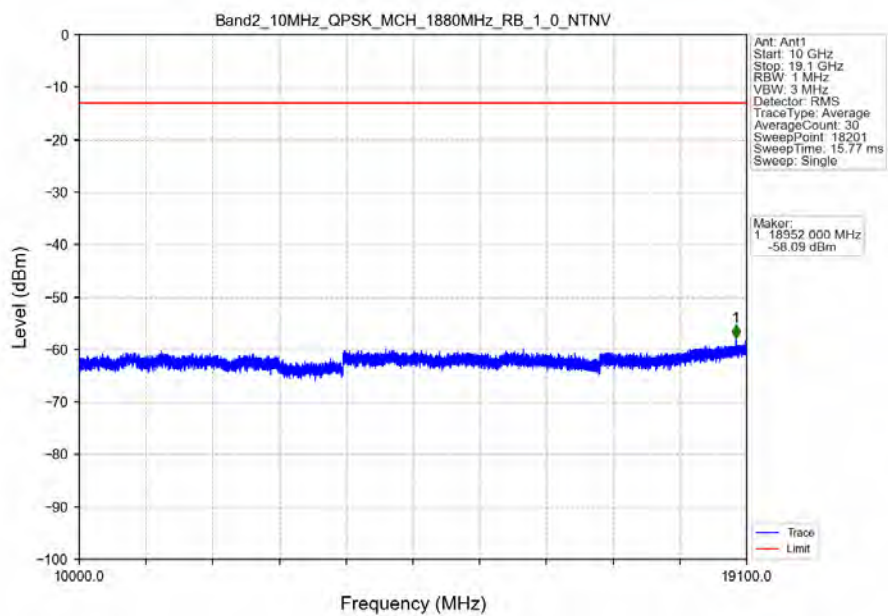
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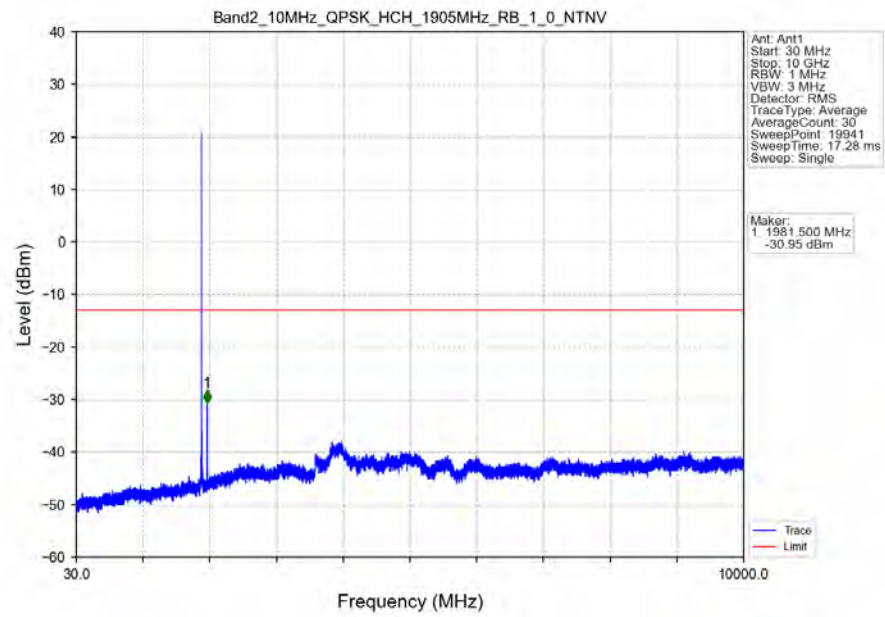
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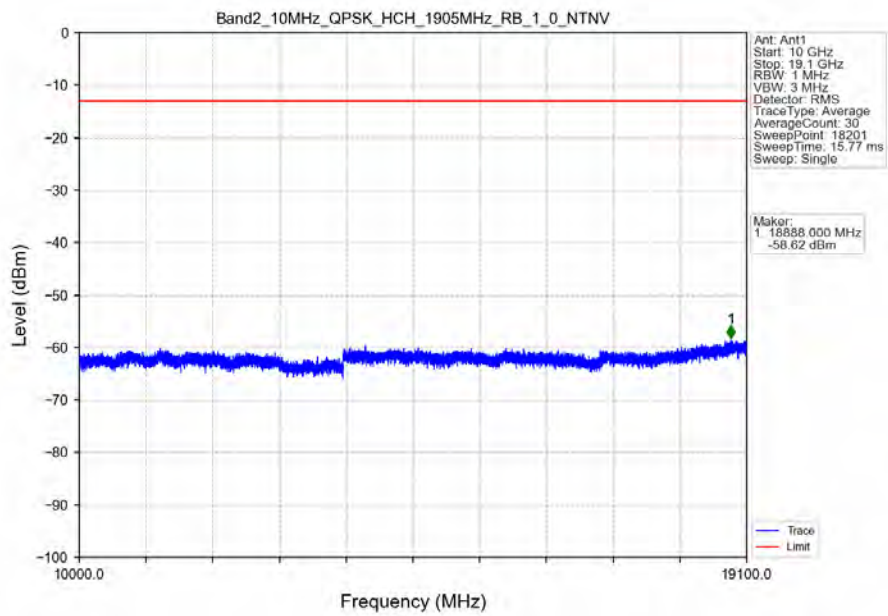
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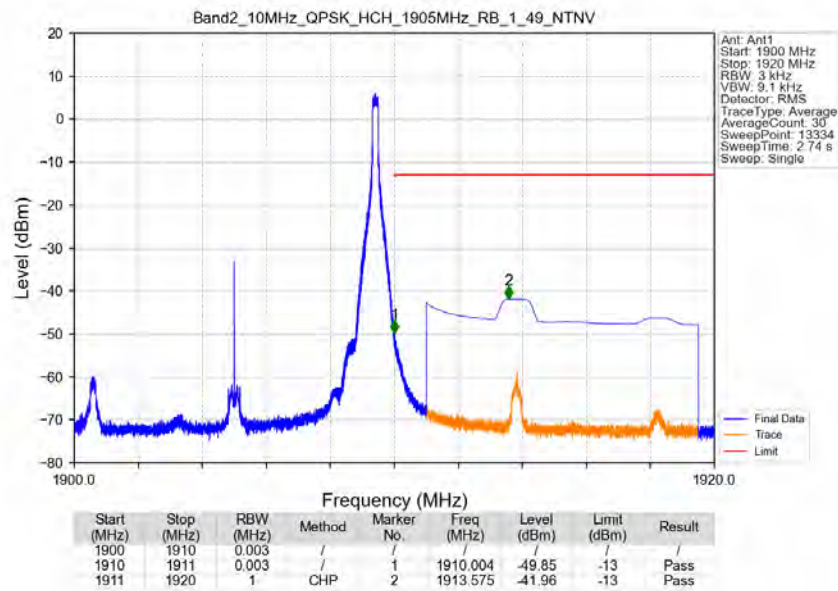
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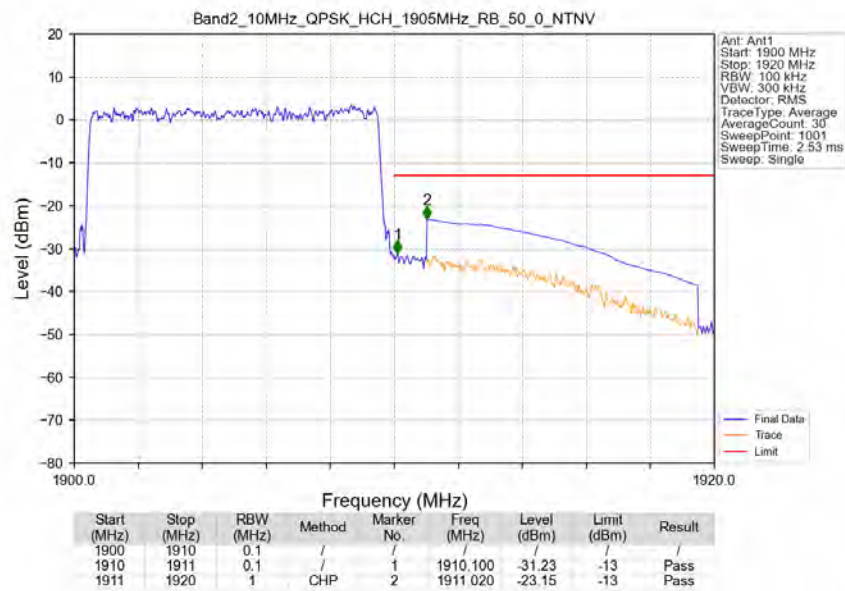
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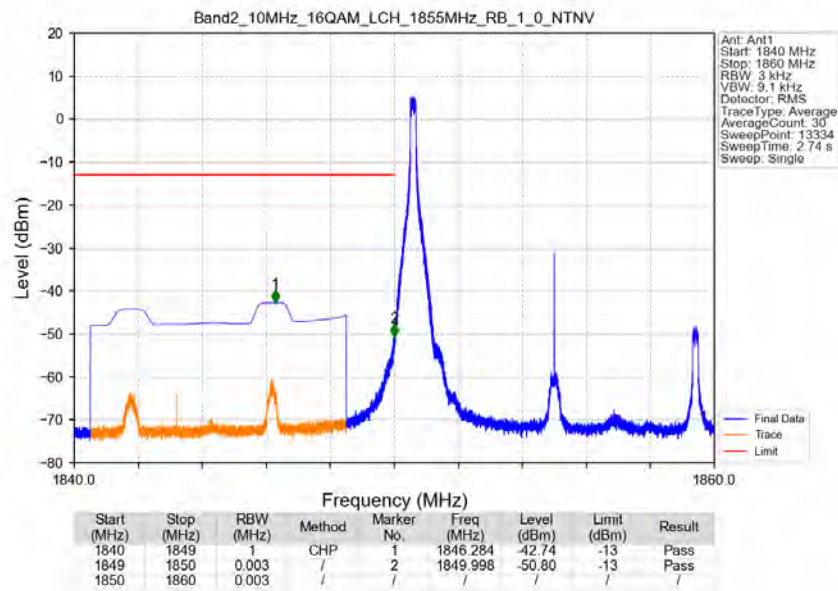
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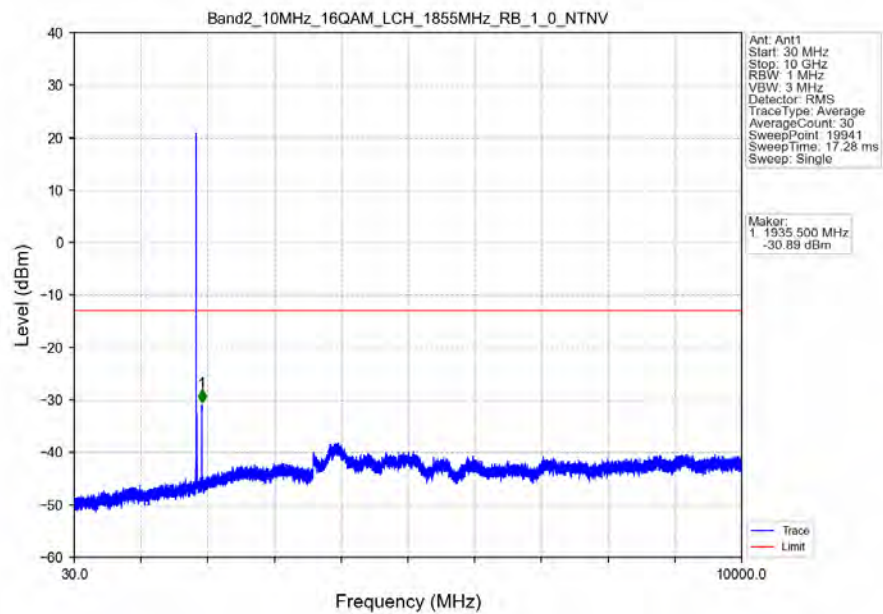
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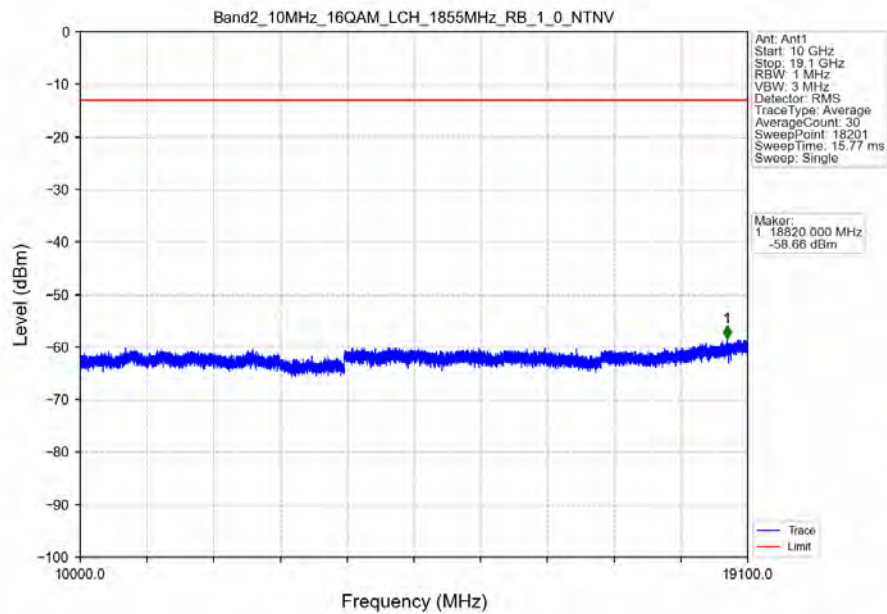
Band2\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_1\_0\_NTNV



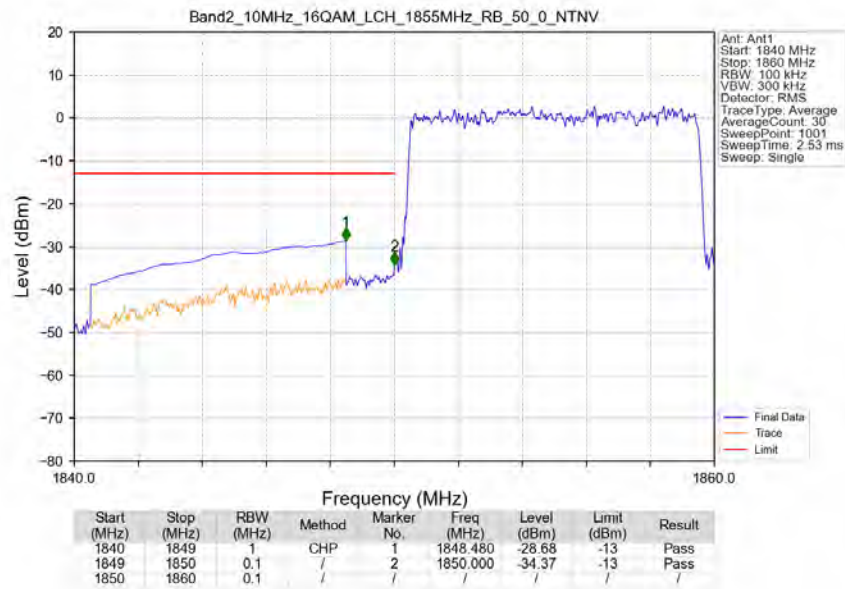
Band2\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_1\_0\_NTNV



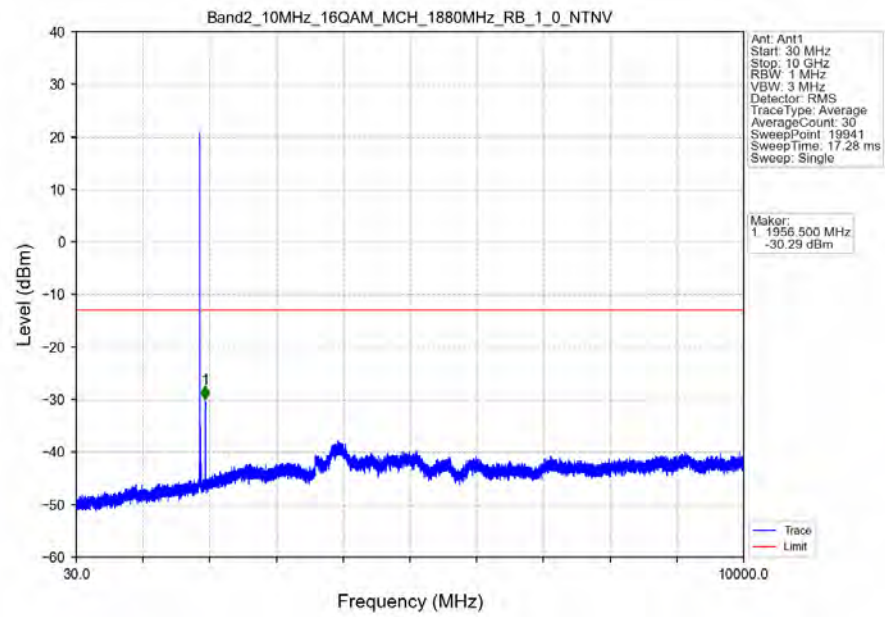
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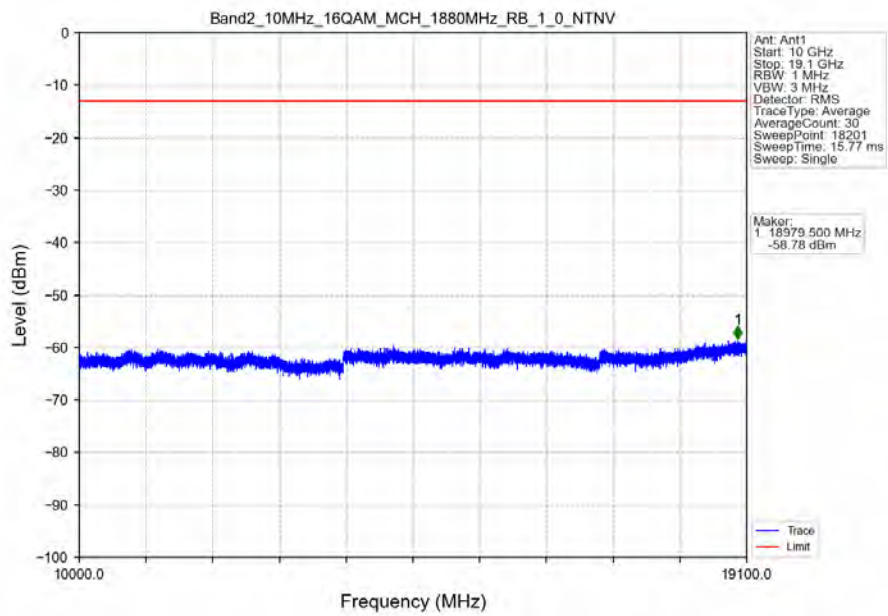
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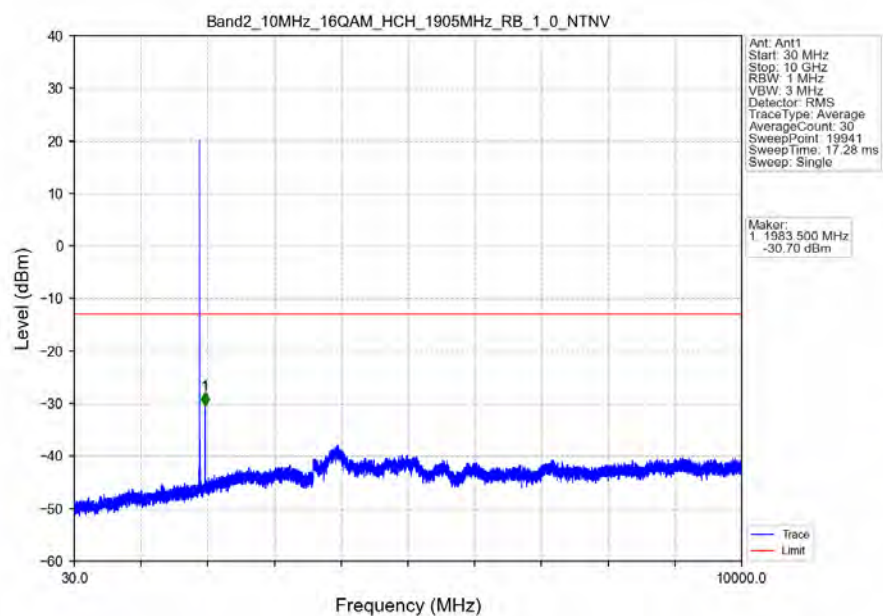
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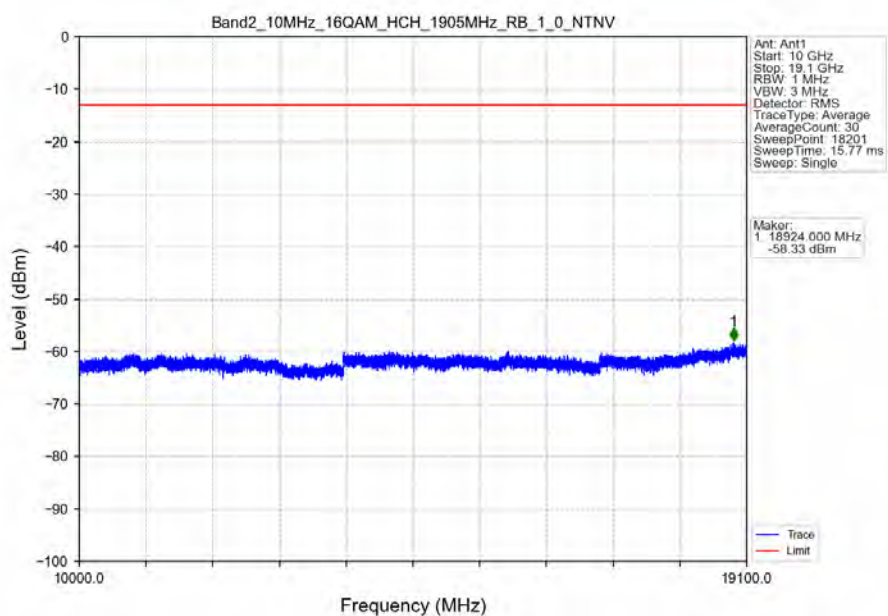
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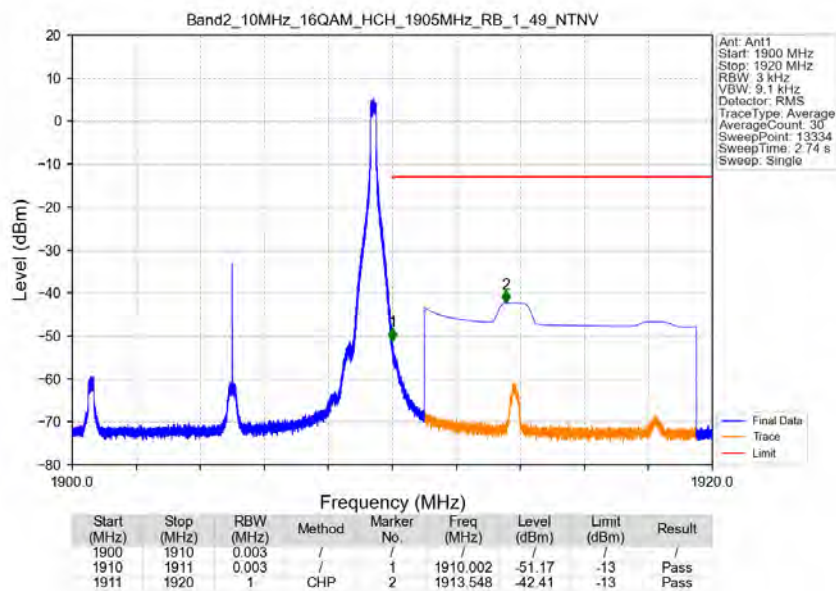
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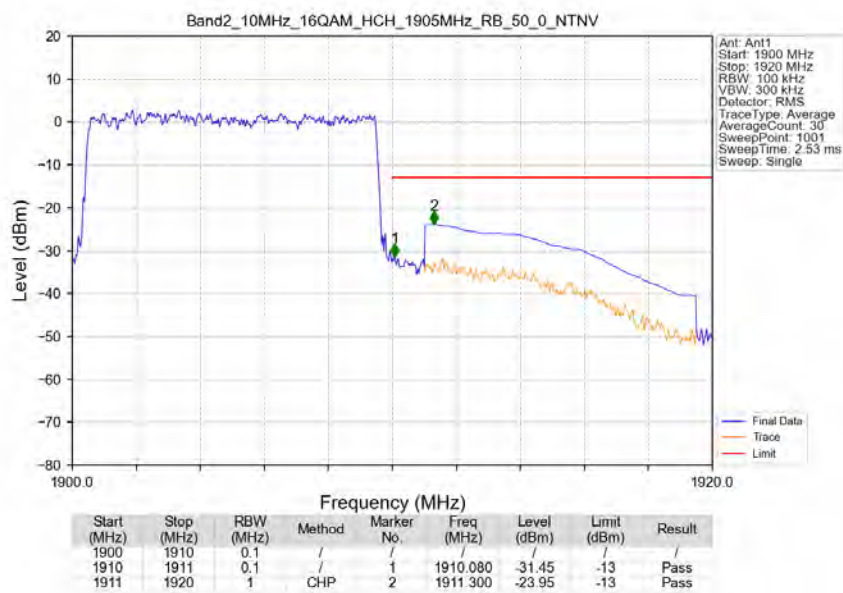
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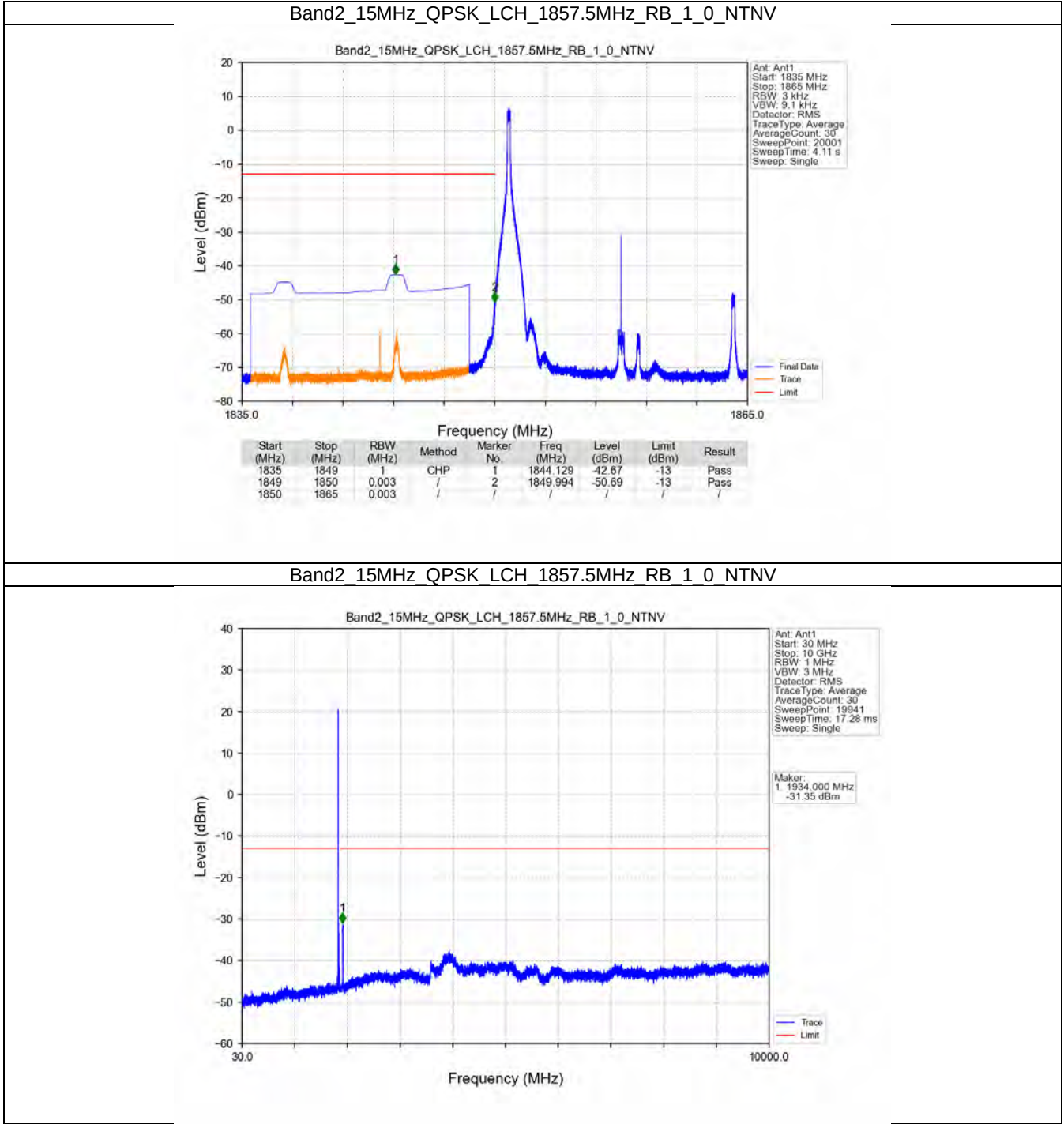
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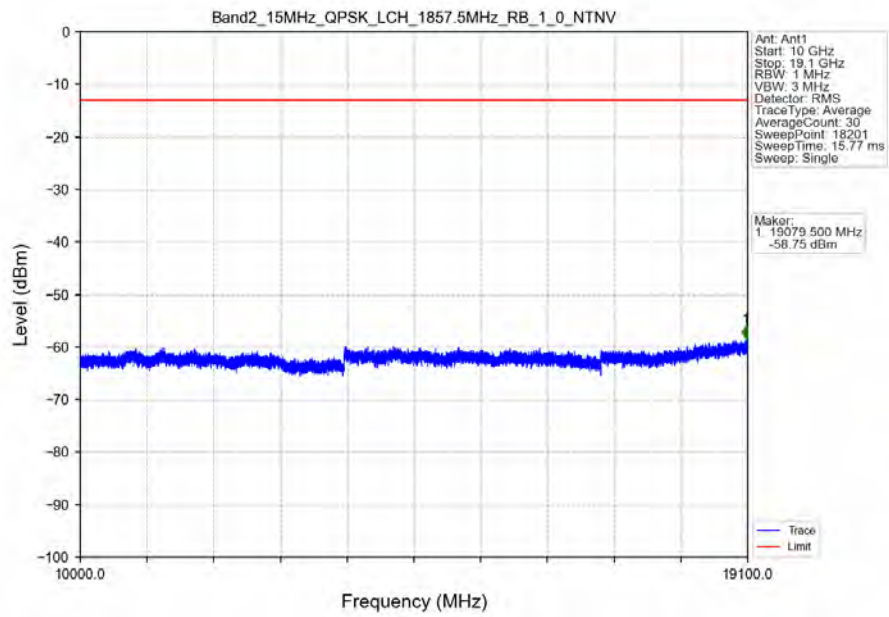
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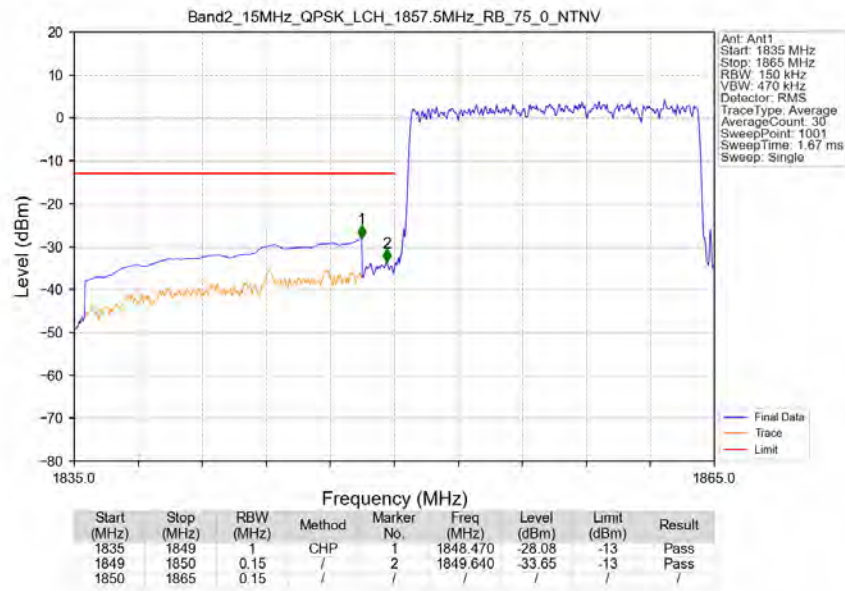
5.2.5 B2\_15MHz



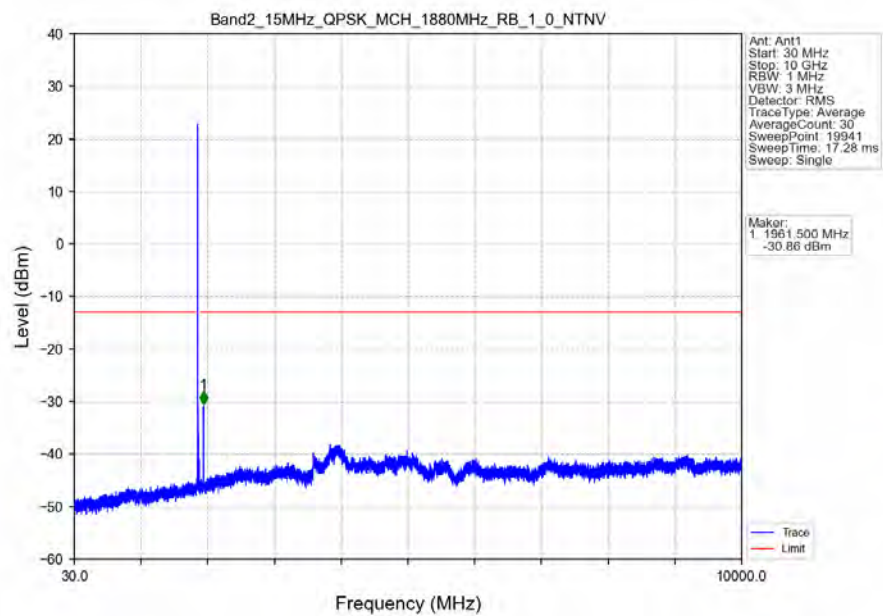
# Band2\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_1\_0\_NTNV



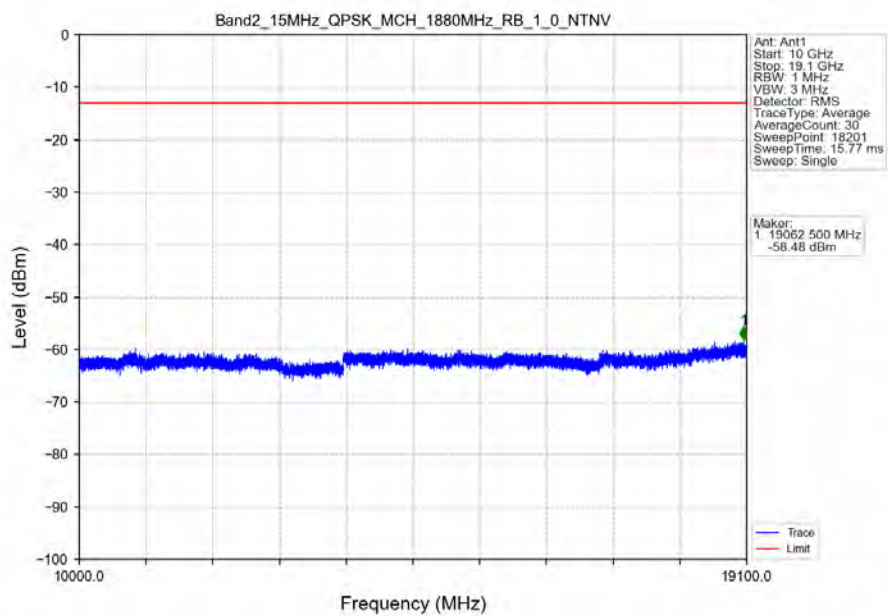
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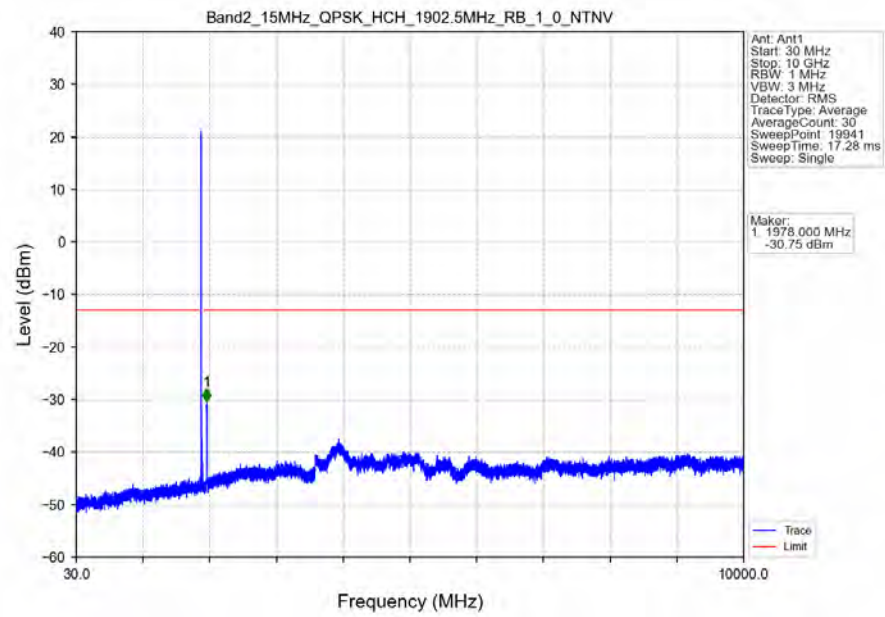
# Band2\_15MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



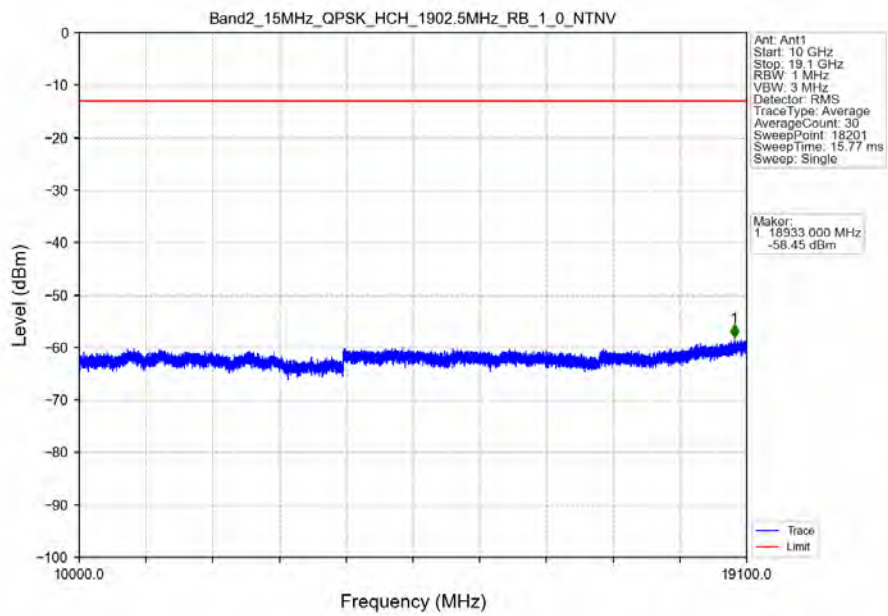
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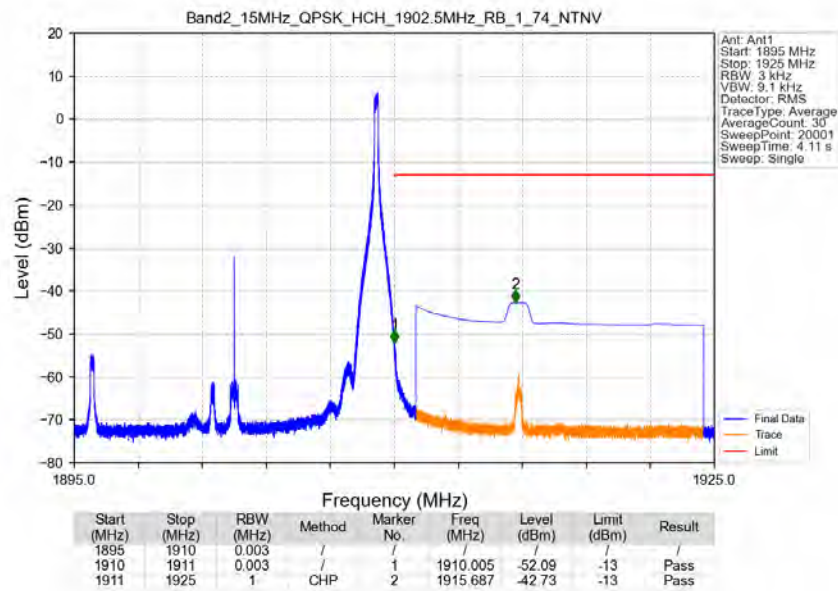
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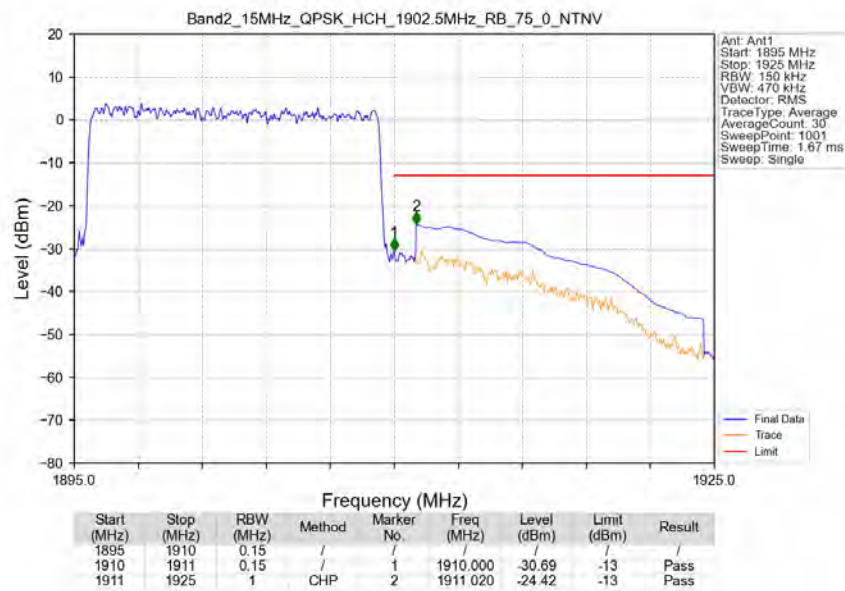
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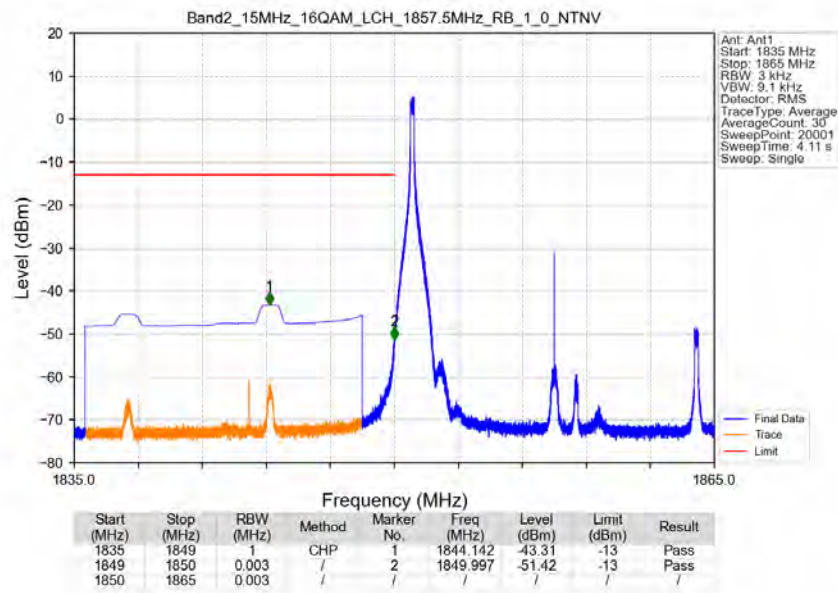
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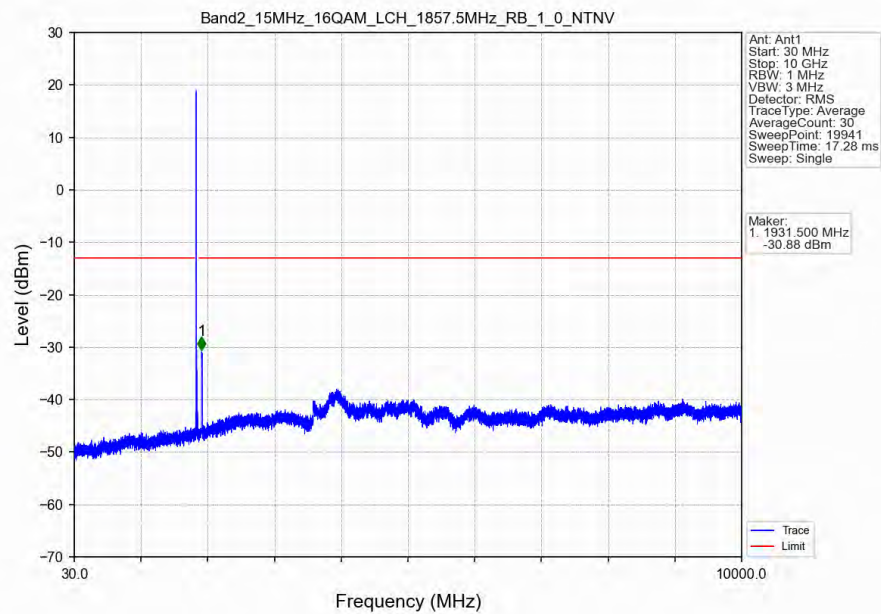
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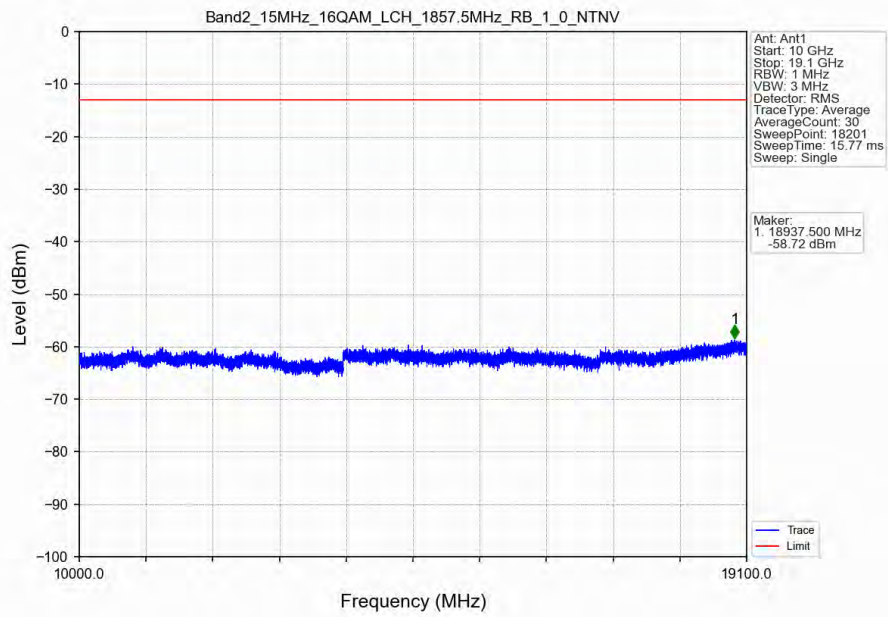
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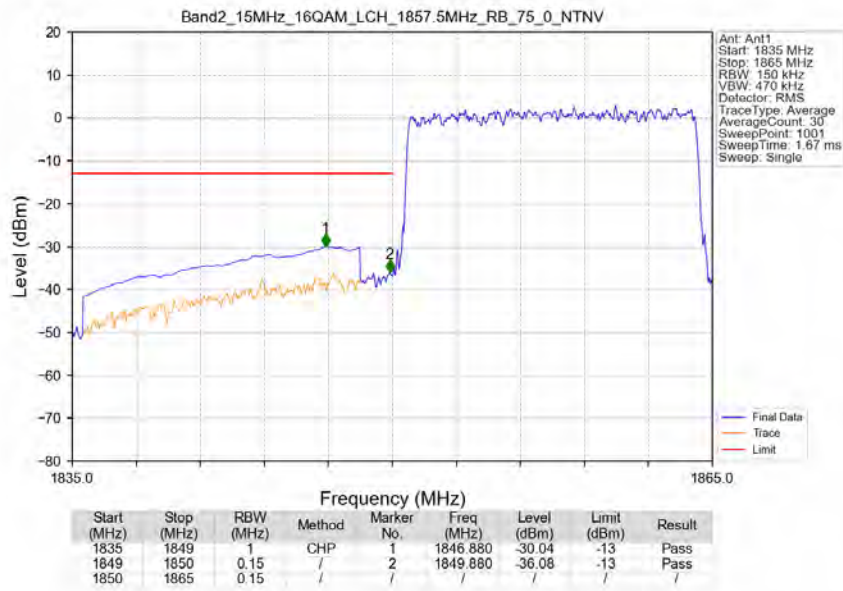
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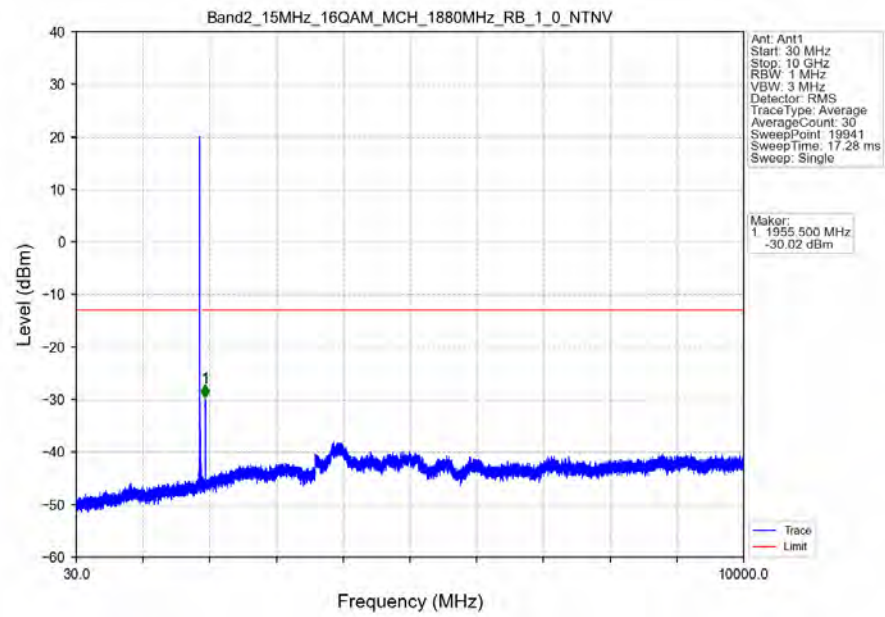
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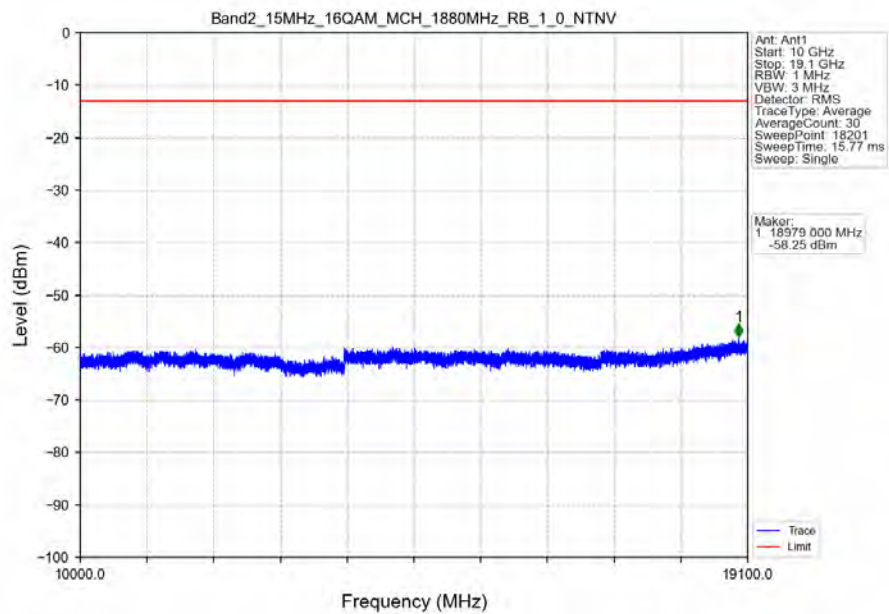
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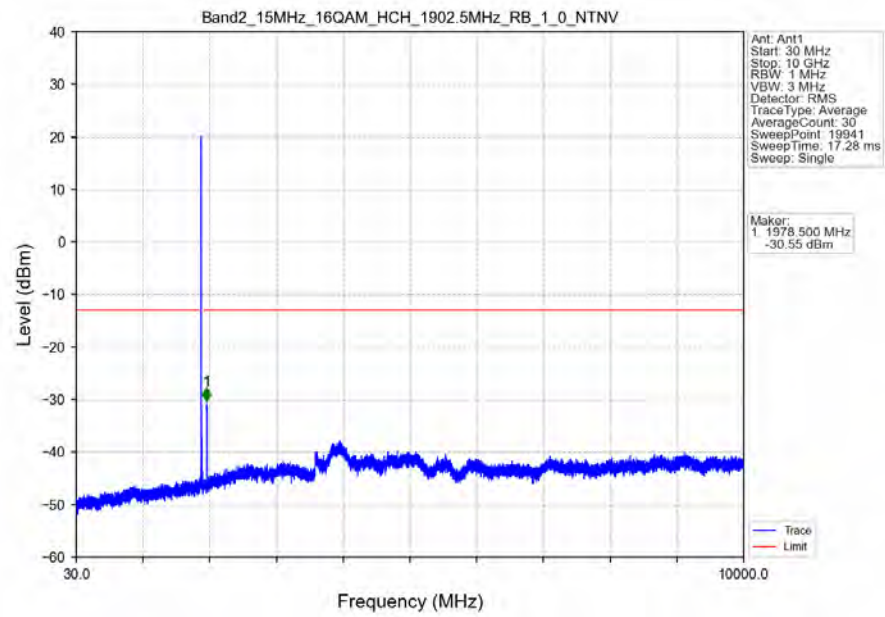
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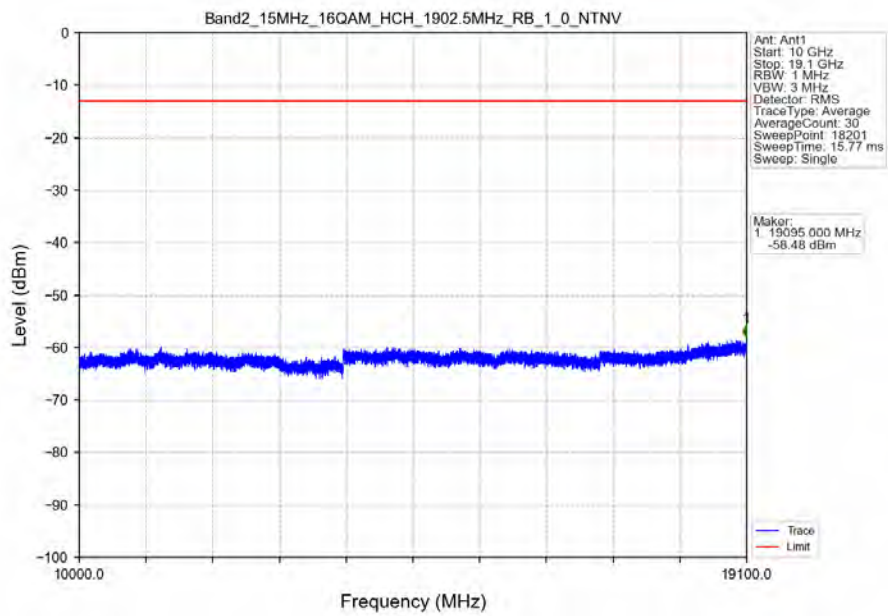
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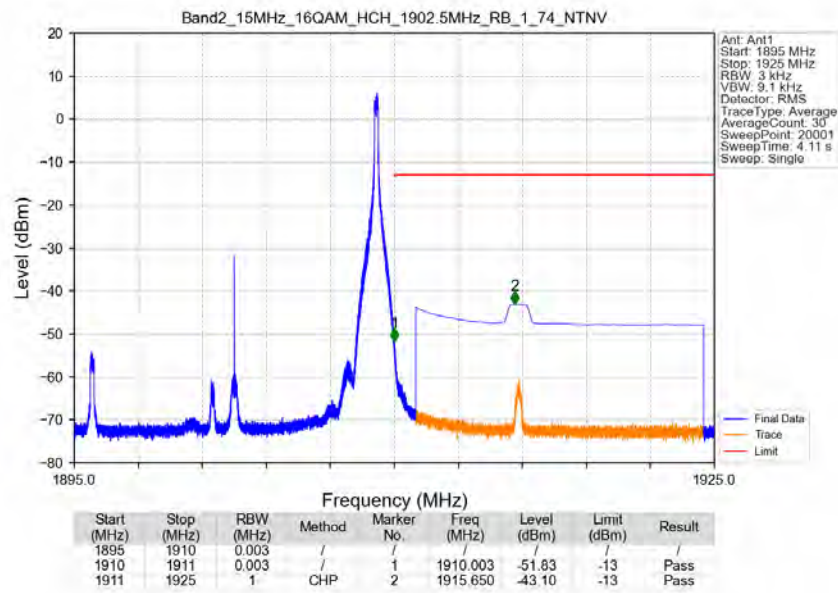
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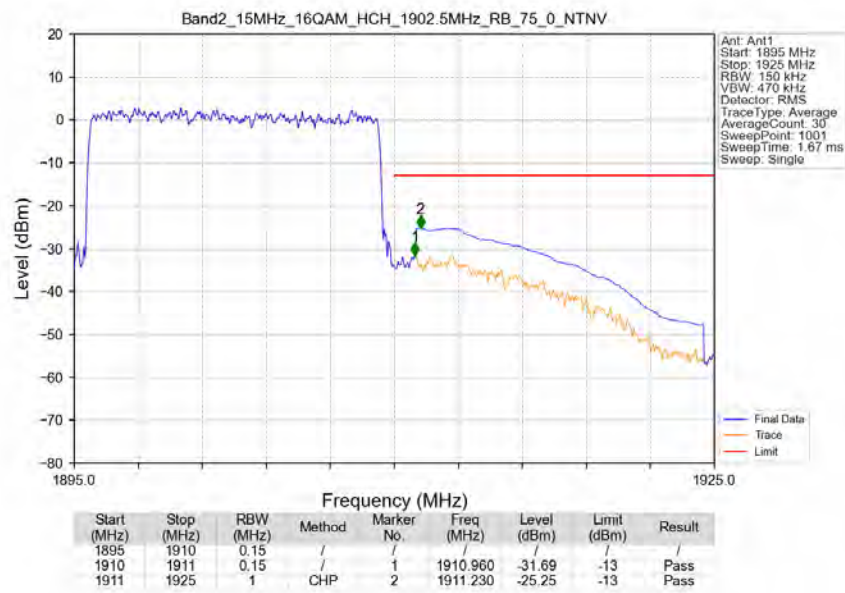
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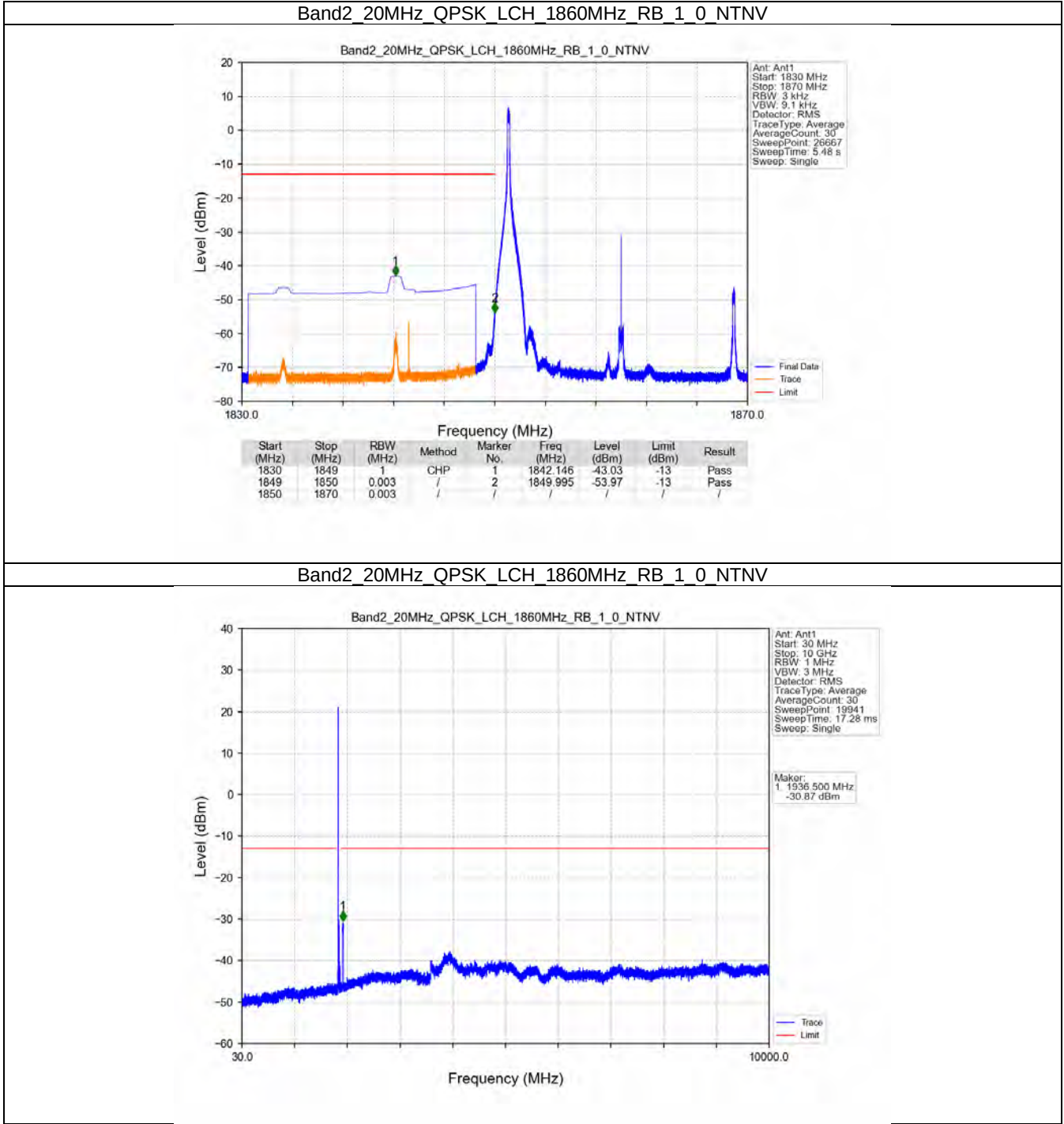
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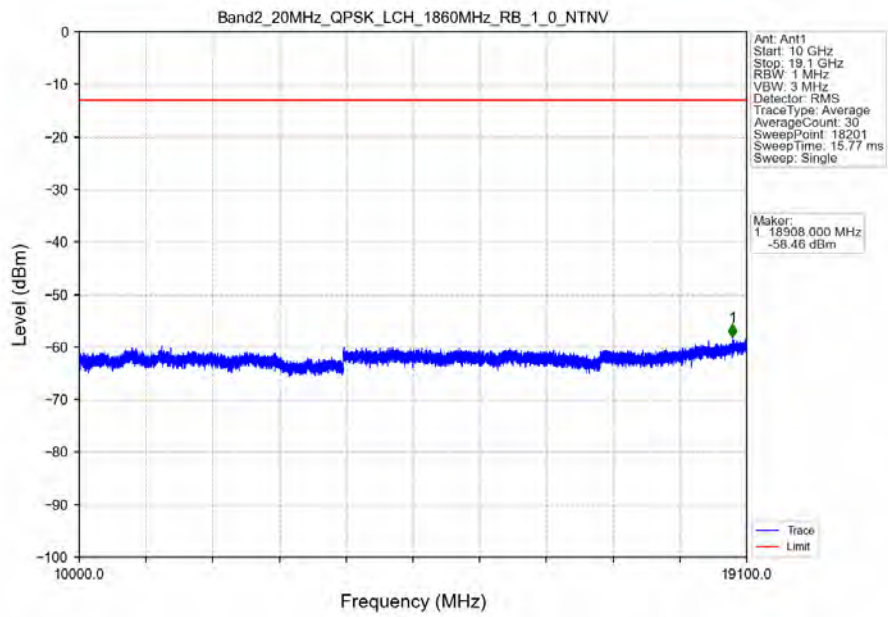
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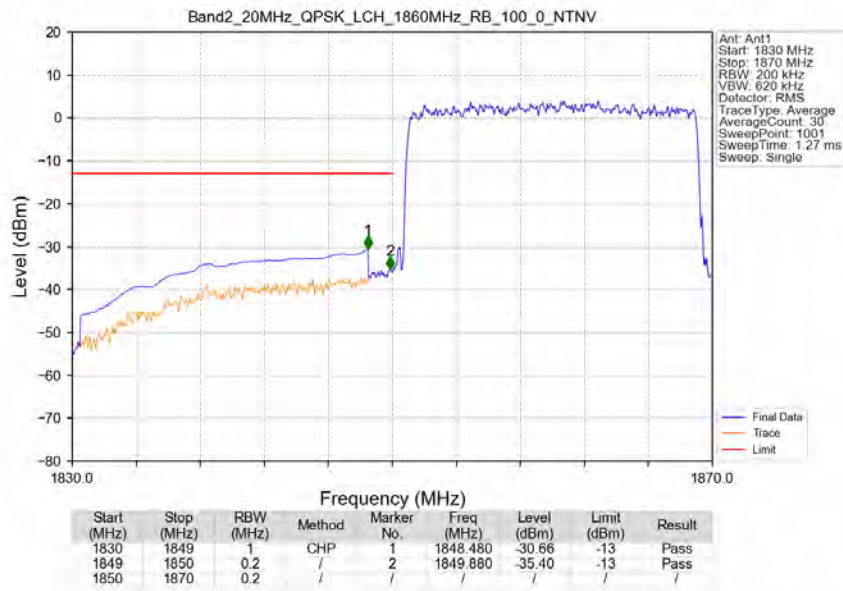
5.2.6 B2\_20MHz



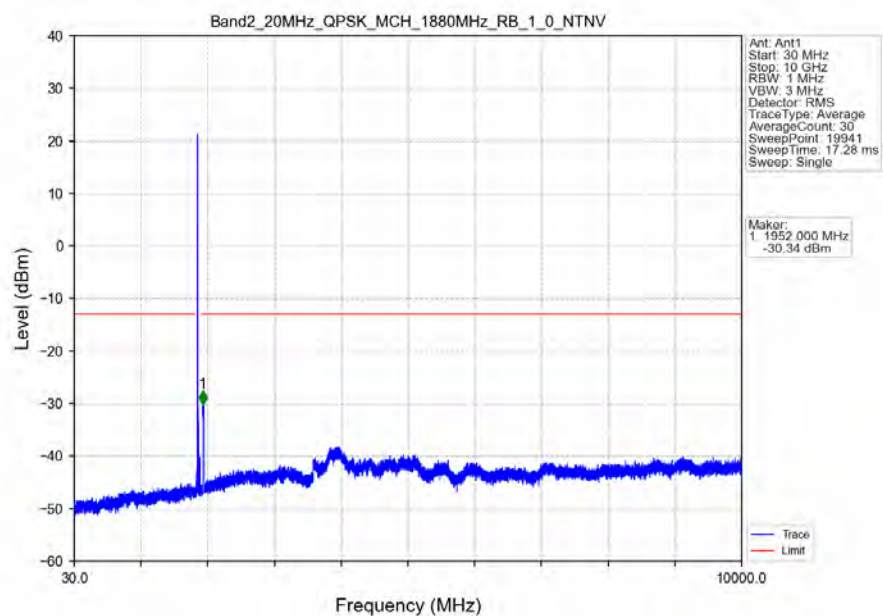
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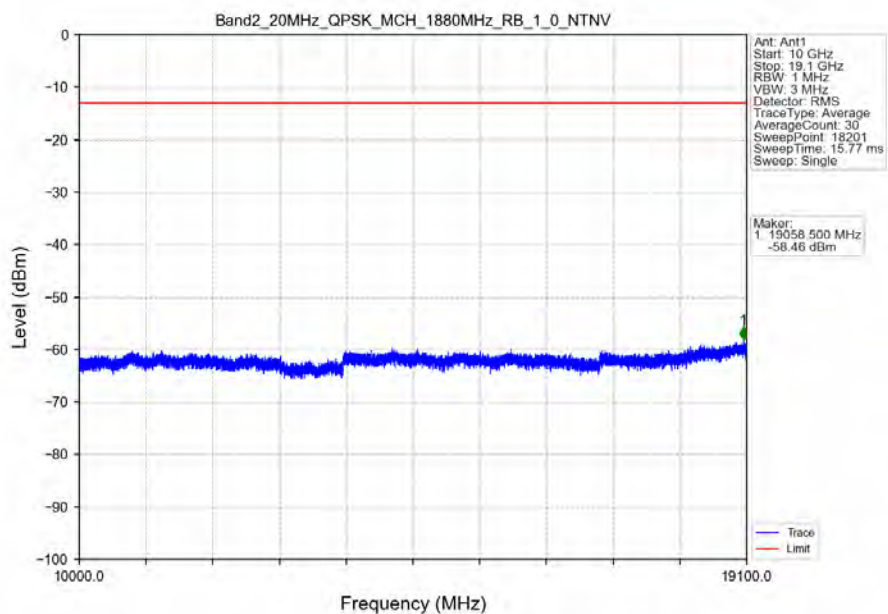
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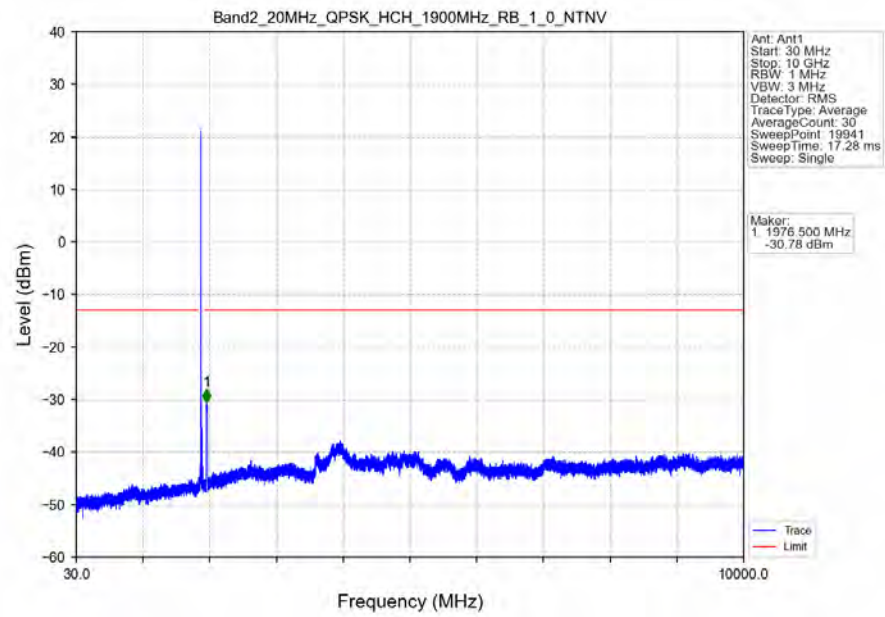
# Band2\_20MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



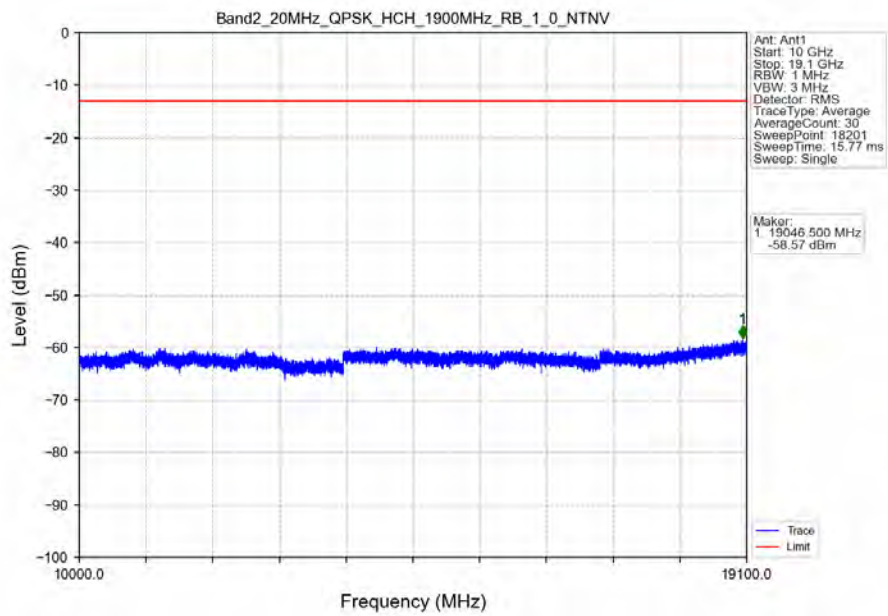
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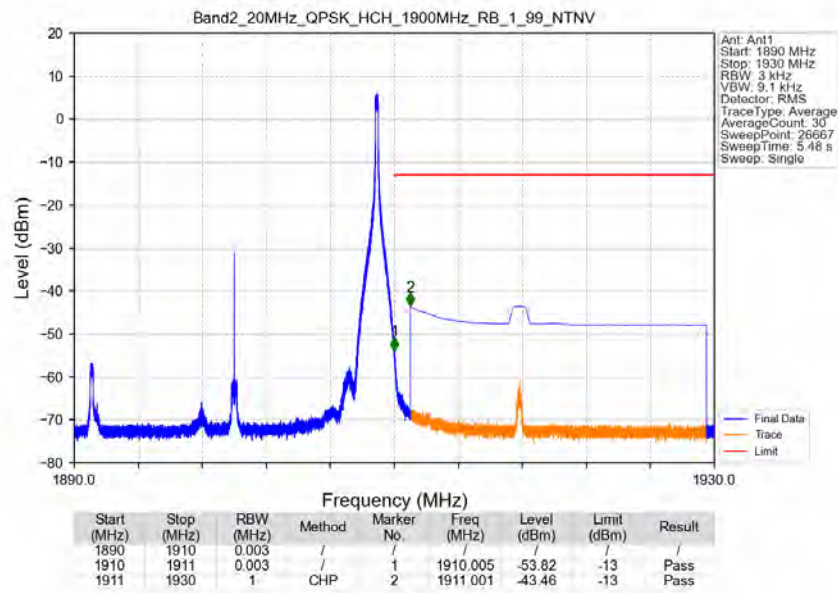
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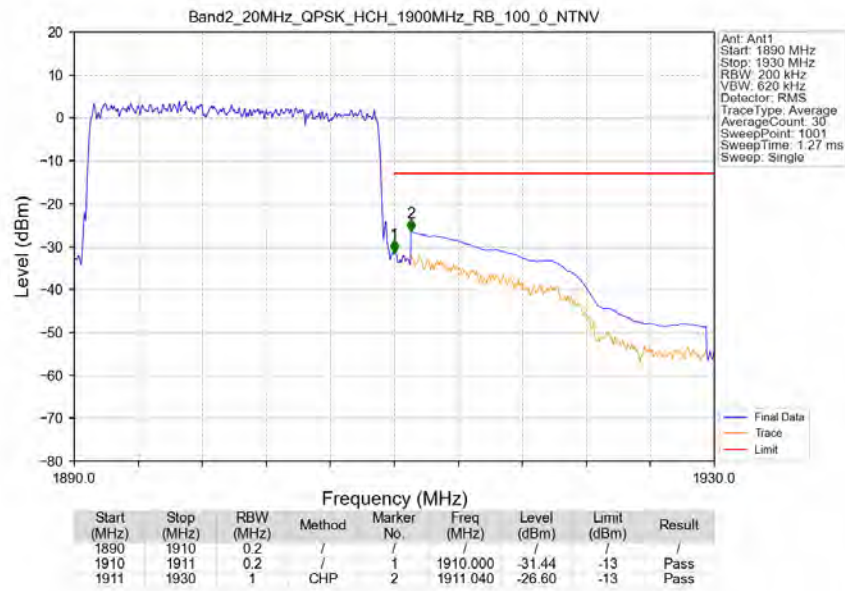
# Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_1\_0\_NTNV



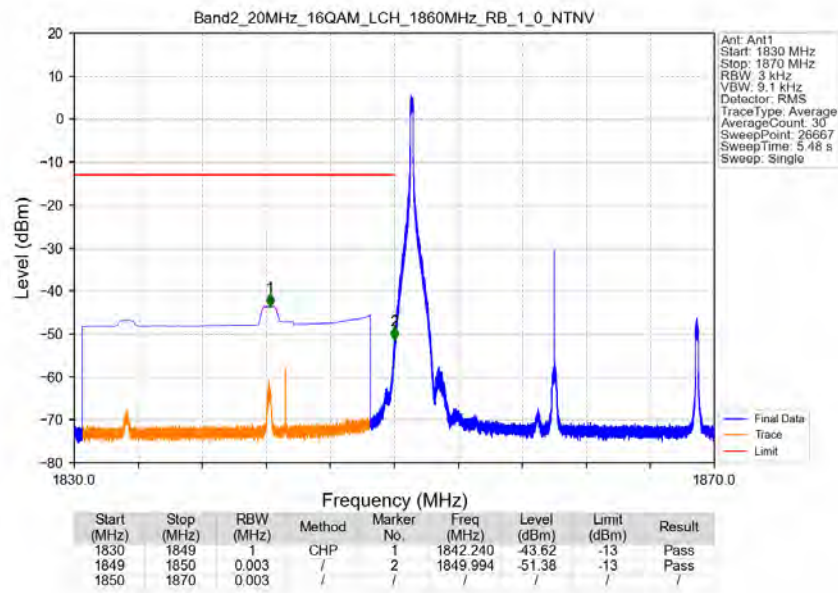
# Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_1\_99\_NTNV



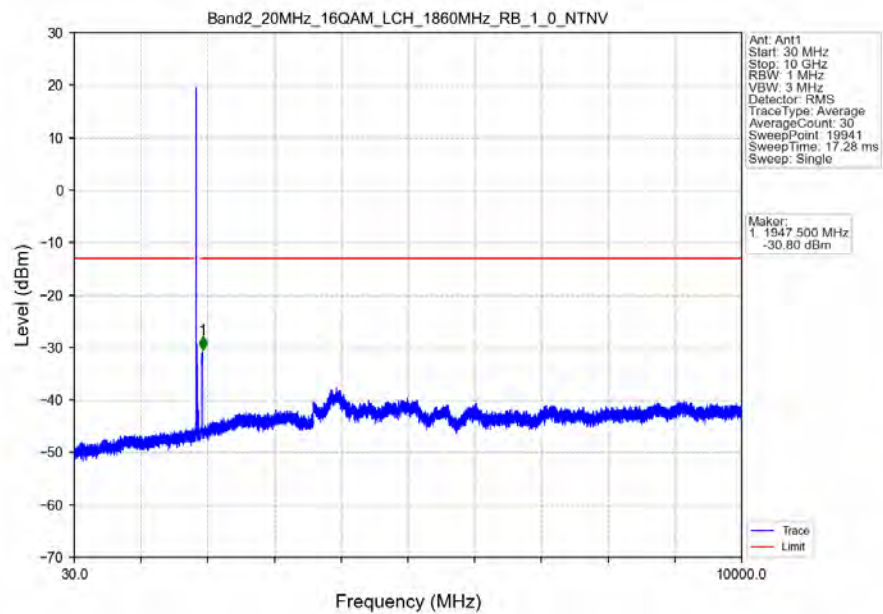
# Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



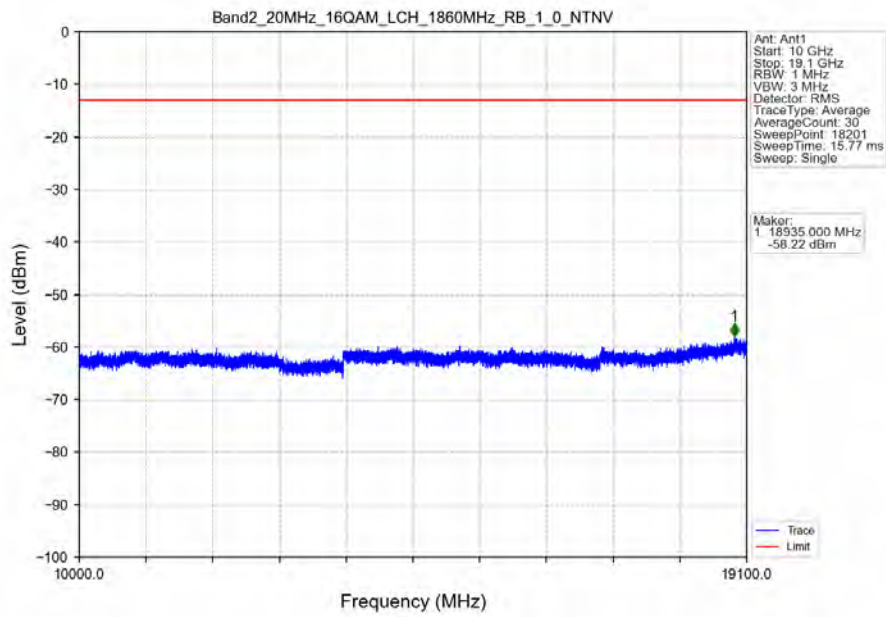
Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_1\_0\_NTNV



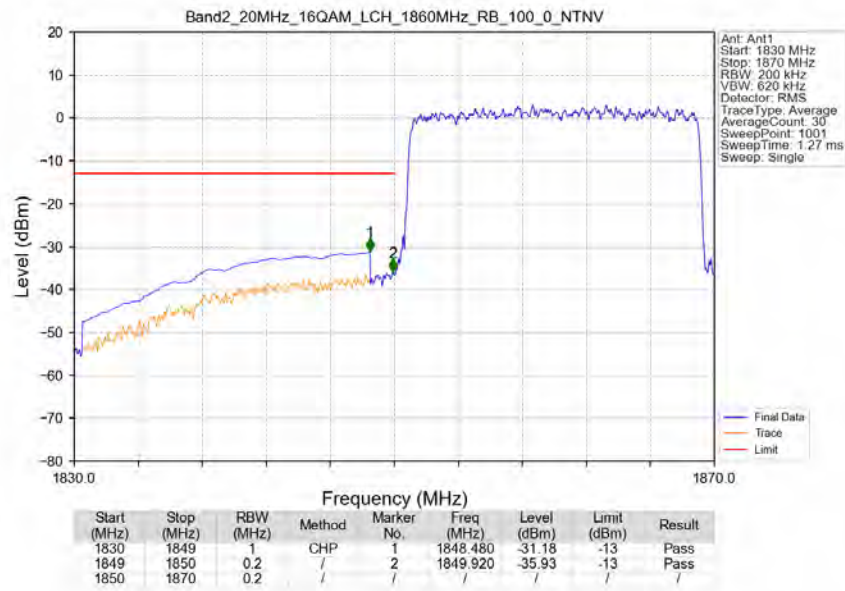
Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_1\_0\_NTNV



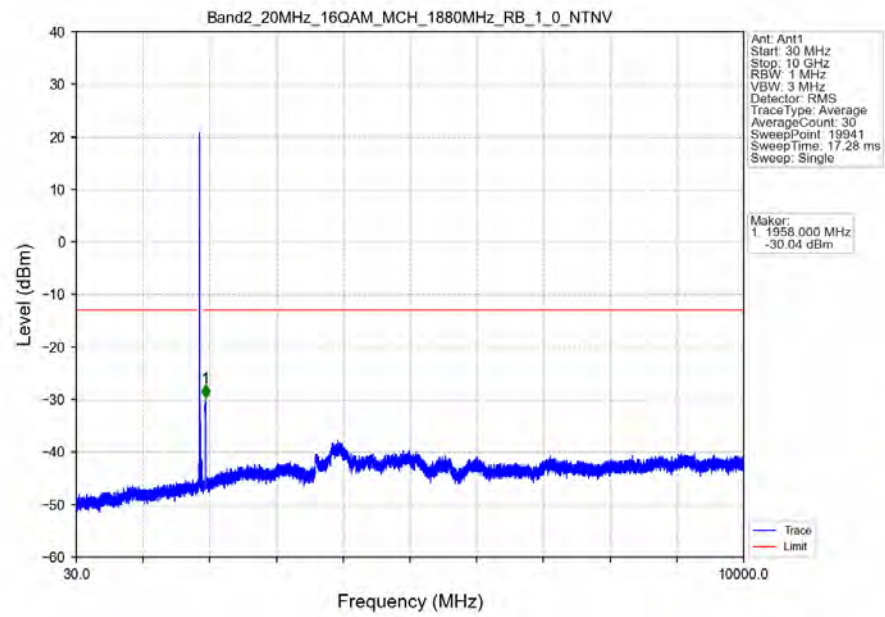
# Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_1\_0\_NTNV



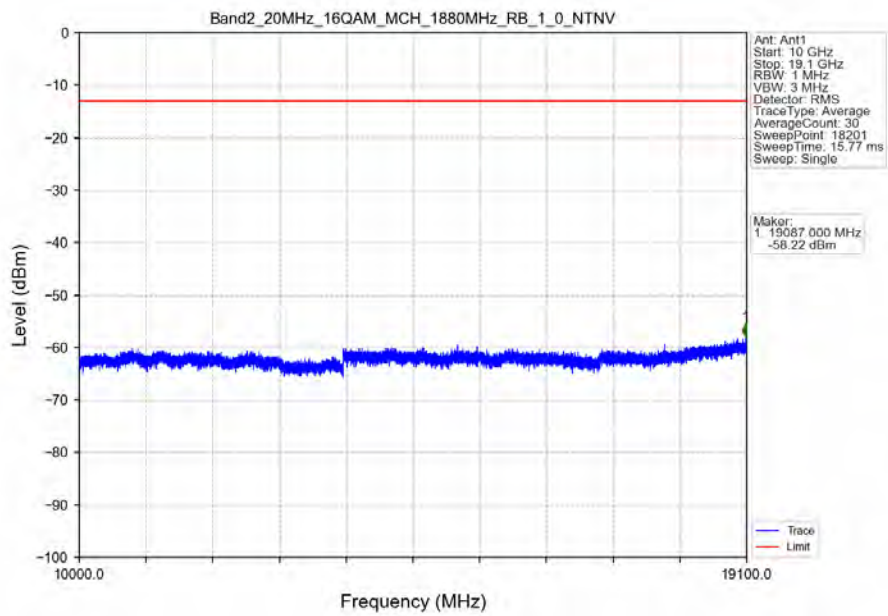
# Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV



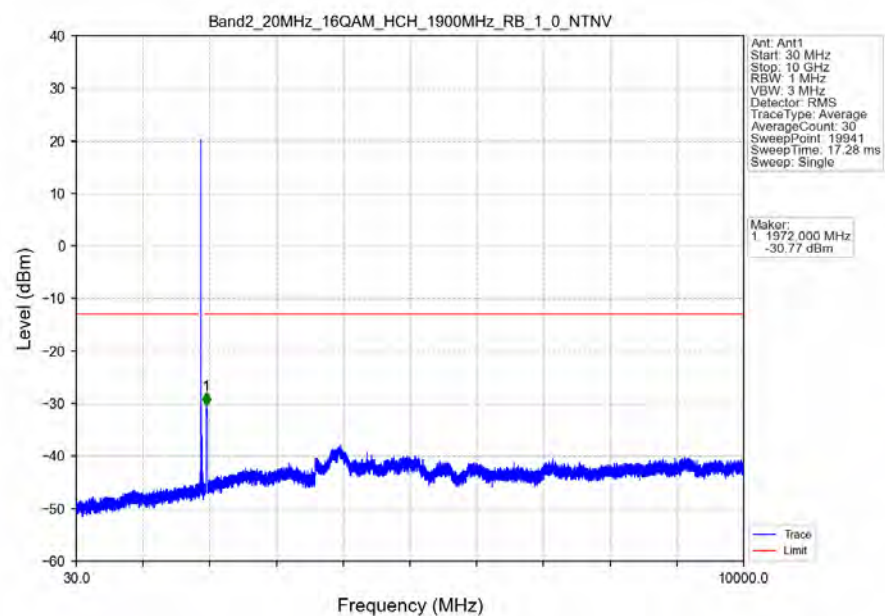
# Band2\_20MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



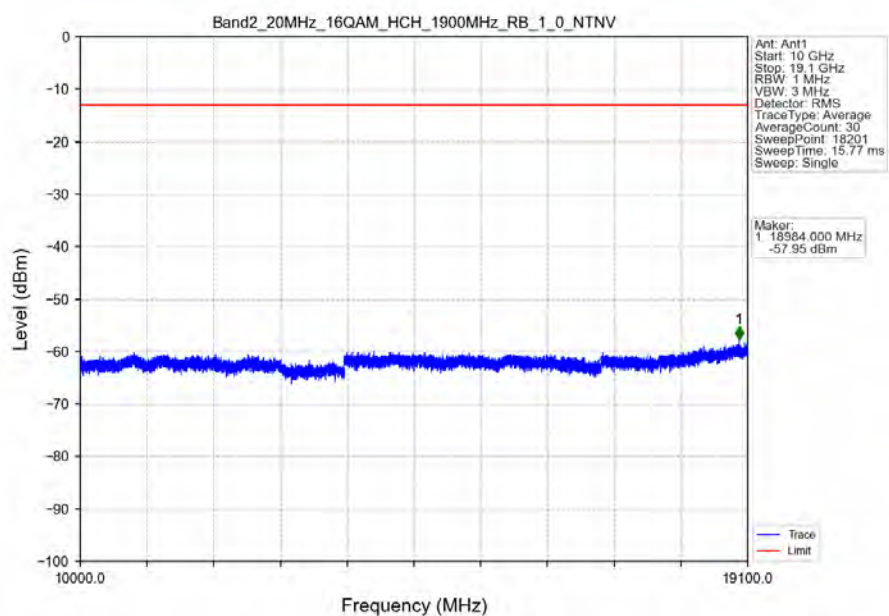
# Band2\_20MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



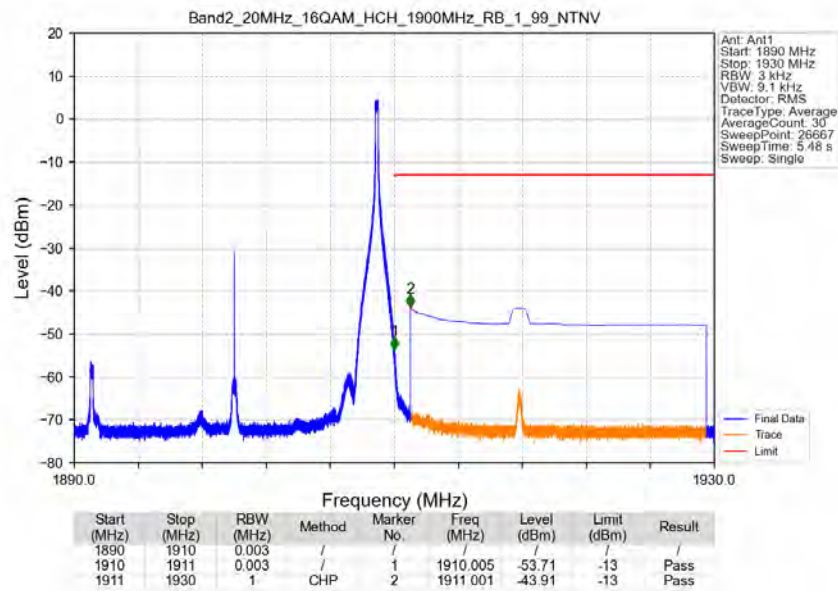
# Band2\_20MHz\_16QAM\_HCH\_1900MHz\_RB\_1\_0\_NTNV



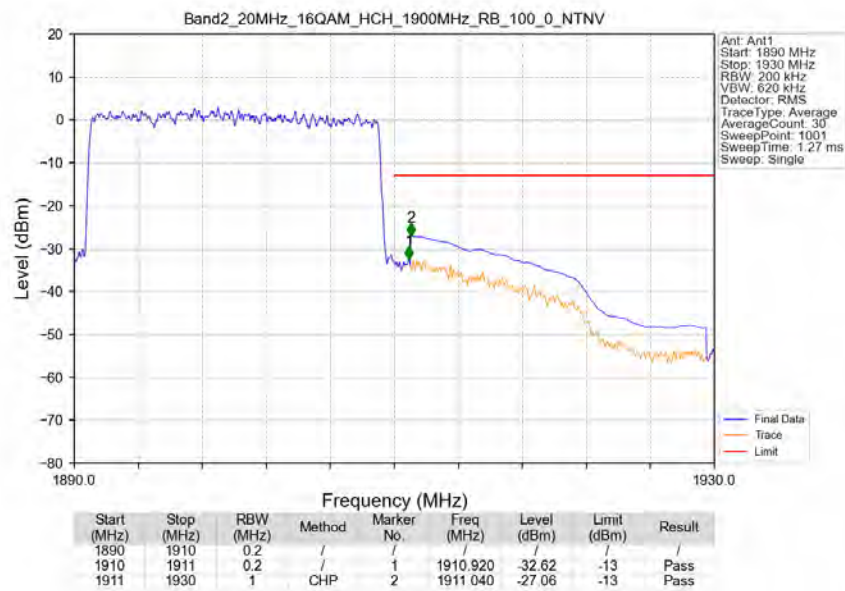
# Band2\_20MHz\_16QAM\_HCH\_1900MHz\_RB\_1\_0\_NTNV



# Band2\_20MHz\_16QAM\_HCH\_1900MHz\_RB\_1\_99\_NTNV



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



## 6. Field Strength of Spurious Radiation

| LTE Band 2-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                  | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3702.0                                                           | -58.99     | -13         | -45.99          | -64.01           | 3.42            | 8.44               | Horizontal         | Pass   |
| 5553.0                                                           | -57.6      | -13         | -44.6           | -63.81           | 4.24            | 10.45              | Horizontal         | Pass   |
| 7404.0                                                           | -56.11     | -13         | -43.11          | -63.52           | 4.21            | 11.62              | Horizontal         | Pass   |
| 3702.0                                                           | -59.81     | -13         | -46.81          | -64.83           | 3.42            | 8.44               | Vertical           | Pass   |
| 5553.0                                                           | -57.6      | -13         | -44.6           | -63.81           | 4.24            | 10.45              | Vertical           | Pass   |
| 7404.0                                                           | -55.58     | -13         | -42.58          | -62.99           | 4.21            | 11.62              | Vertical           | Pass   |

| LTE Band 2-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|---------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                     | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3742.0                                                              | -59.83     | -13         | -46.83          | -64.87           | 3.45            | 8.49               | Horizontal         | Pass   |
| 5613.0                                                              | -56.03     | -13         | -43.03          | -62.24           | 4.24            | 10.45              | Horizontal         | Pass   |
| 7484.0                                                              | -55.74     | -13         | -42.74          | -63.24           | 4.22            | 11.72              | Horizontal         | Pass   |
| 3742.0                                                              | -59.89     | -13         | -46.89          | -64.93           | 3.45            | 8.49               | Vertical           | Pass   |
| 5613.0                                                              | -56.44     | -13         | -43.44          | -62.65           | 4.24            | 10.45              | Vertical           | Pass   |
| 7484.0                                                              | -55.12     | -13         | -42.12          | -62.62           | 4.22            | 11.72              | Vertical           | Pass   |

| LTE Band 2-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|-------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                   | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3782.0                                                            | -59.27     | -13         | -46.27          | -64.34           | 3.48            | 8.55               | Horizontal         | Pass   |
| 5673.0                                                            | -58.83     | -13         | -45.83          | -65.05           | 4.23            | 10.45              | Horizontal         | Pass   |
| 7564.0                                                            | -56.18     | -13         | -43.18          | -63.78           | 4.22            | 11.82              | Horizontal         | Pass   |
| 3782.0                                                            | -59.3      | -13         | -46.3           | -64.37           | 3.48            | 8.55               | Vertical           | Pass   |
| 5673.0                                                            | -58.89     | -13         | -45.89          | -65.11           | 4.23            | 10.45              | Vertical           | Pass   |
| 7564.0                                                            | -53.93     | -13         | -40.93          | -61.53           | 4.22            | 11.82              | Vertical           | Pass   |