

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

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

| Band: 2 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 1850.7          | 1             | 0      | 23.53                 | -2.30      | 21.23      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 23.57                 | -2.30      | 21.27      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 23.56                 | -2.30      | 21.26      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 23.59                 | -2.30      | 21.29      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 23.57                 | -2.30      | 21.27      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 23.54                 | -2.30      | 21.24      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 22.55                 | -2.30      | 20.25      | <=33.01 | Pass    |
|                                    | 1880            | 1             | 0      | 23.76                 | -2.30      | 21.46      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 23.83                 | -2.30      | 21.53      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 23.76                 | -2.30      | 21.46      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 23.79                 | -2.30      | 21.49      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 23.78                 | -2.30      | 21.48      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 23.74                 | -2.30      | 21.44      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 22.77                 | -2.30      | 20.47      | <=33.01 | Pass    |
|                                    | 1909.3          | 1             | 0      | 23.58                 | -2.30      | 21.28      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 23.76                 | -2.30      | 21.46      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 23.67                 | -2.30      | 21.37      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 23.54                 | -2.30      | 21.24      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 23.60                 | -2.30      | 21.30      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 23.60                 | -2.30      | 21.30      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 22.57                 | -2.30      | 20.27      | <=33.01 | Pass    |
| 16QAM                              | 1850.7          | 1             | 0      | 22.72                 | -2.30      | 20.42      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 22.76                 | -2.30      | 20.46      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 22.74                 | -2.30      | 20.44      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 22.65                 | -2.30      | 20.35      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 22.65                 | -2.30      | 20.35      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 22.58                 | -2.30      | 20.28      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 21.52                 | -2.30      | 19.22      | <=33.01 | Pass    |
|                                    | 1880            | 1             | 0      | 22.89                 | -2.30      | 20.59      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 22.85                 | -2.30      | 20.55      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 22.92                 | -2.30      | 20.62      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 22.88                 | -2.30      | 20.58      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 22.82                 | -2.30      | 20.52      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 22.84                 | -2.30      | 20.54      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 21.84                 | -2.30      | 19.54      | <=33.01 | Pass    |
|                                    | 1909.3          | 1             | 0      | 22.66                 | -2.30      | 20.36      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 22.77                 | -2.30      | 20.47      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 22.85                 | -2.30      | 20.55      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 22.59                 | -2.30      | 20.29      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 22.59                 | -2.30      | 20.29      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 22.69                 | -2.30      | 20.39      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 21.59                 | -2.30      | 19.29      | <=33.01 | Pass    |
| 64QAM                              | 1850.7          | 1             | 0      | 21.68                 | -2.30      | 19.38      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.84                 | -2.30      | 19.54      | <=33.01 | Pass    |
|                                    |                 |               | 5      | 21.66                 | -2.30      | 19.36      | <=33.01 | Pass    |
|                                    |                 | 3             | 0      | 21.66                 | -2.30      | 19.36      | <=33.01 | Pass    |
|                                    |                 |               | 2      | 21.63                 | -2.30      | 19.33      | <=33.01 | Pass    |
|                                    |                 |               | 3      | 21.62                 | -2.30      | 19.32      | <=33.01 | Pass    |
|                                    |                 | 6             | 0      | 20.55                 | -2.30      | 18.25      | <=33.01 | Pass    |

|  |                                          |   |   |       |       |       |         |      |
|--|------------------------------------------|---|---|-------|-------|-------|---------|------|
|  | 1880                                     | 1 | 0 | 21.88 | -2.30 | 19.58 | <=33.01 | Pass |
|  |                                          |   | 2 | 21.99 | -2.30 | 19.69 | <=33.01 | Pass |
|  |                                          |   | 5 | 21.77 | -2.30 | 19.47 | <=33.01 | Pass |
|  |                                          | 3 | 0 | 21.82 | -2.30 | 19.52 | <=33.01 | Pass |
|  |                                          |   | 2 | 21.87 | -2.30 | 19.57 | <=33.01 | Pass |
|  |                                          |   | 3 | 21.80 | -2.30 | 19.50 | <=33.01 | Pass |
|  |                                          | 6 | 0 | 20.77 | -2.30 | 18.47 | <=33.01 | Pass |
|  | 1909.3                                   | 1 | 0 | 21.75 | -2.30 | 19.45 | <=33.01 | Pass |
|  |                                          |   | 2 | 21.80 | -2.30 | 19.50 | <=33.01 | Pass |
|  |                                          |   | 5 | 21.78 | -2.30 | 19.48 | <=33.01 | Pass |
|  |                                          | 3 | 0 | 21.66 | -2.30 | 19.36 | <=33.01 | Pass |
|  |                                          |   | 2 | 21.65 | -2.30 | 19.35 | <=33.01 | Pass |
|  |                                          |   | 3 | 21.68 | -2.30 | 19.38 | <=33.01 | Pass |
|  |                                          | 6 | 0 | 20.59 | -2.30 | 18.29 | <=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      | 23.43                 | -2.30      | 21.13      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 23.49                 | -2.30      | 21.19      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 23.44                 | -2.30      | 21.14      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 22.53                 | -2.30      | 20.23      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 22.56                 | -2.30      | 20.26      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 22.54                 | -2.30      | 20.24      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 22.54                 | -2.30      | 20.24      | <=33.01 | Pass    |
|                                  | 1880            | 1             | 0      | 23.74                 | -2.30      | 21.44      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 23.80                 | -2.30      | 21.50      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 23.67                 | -2.30      | 21.37      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 22.77                 | -2.30      | 20.47      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 22.79                 | -2.30      | 20.49      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 22.73                 | -2.30      | 20.43      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 22.78                 | -2.30      | 20.48      | <=33.01 | Pass    |
|                                  | 1908.5          | 1             | 0      | 23.41                 | -2.30      | 21.11      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 23.54                 | -2.30      | 21.24      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 23.57                 | -2.30      | 21.27      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 22.46                 | -2.30      | 20.16      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 22.59                 | -2.30      | 20.29      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 22.56                 | -2.30      | 20.26      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 22.53                 | -2.30      | 20.23      | <=33.01 | Pass    |
| 16QAM                            | 1851.5          | 1             | 0      | 22.61                 | -2.30      | 20.31      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 22.73                 | -2.30      | 20.43      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 22.54                 | -2.30      | 20.24      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 21.62                 | -2.30      | 19.32      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 21.58                 | -2.30      | 19.28      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 21.57                 | -2.30      | 19.27      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 21.53                 | -2.30      | 19.23      | <=33.01 | Pass    |
|                                  | 1880            | 1             | 0      | 22.85                 | -2.30      | 20.55      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 22.91                 | -2.30      | 20.61      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 22.85                 | -2.30      | 20.55      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 21.81                 | -2.30      | 19.51      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 21.85                 | -2.30      | 19.55      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 21.80                 | -2.30      | 19.50      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 21.80                 | -2.30      | 19.50      | <=33.01 | Pass    |
|                                  | 1908.5          | 1             | 0      | 22.62                 | -2.30      | 20.32      | <=33.01 | Pass    |

|       |                                          |   |       |       |       |         |         |         |      |
|-------|------------------------------------------|---|-------|-------|-------|---------|---------|---------|------|
|       |                                          | 8 | 7     | 22.69 | -2.30 | 20.39   | <=33.01 | Pass    |      |
|       |                                          |   | 14    | 22.74 | -2.30 | 20.44   | <=33.01 | Pass    |      |
|       |                                          |   | 0     | 21.48 | -2.30 | 19.18   | <=33.01 | Pass    |      |
|       |                                          |   | 4     | 21.62 | -2.30 | 19.32   | <=33.01 | Pass    |      |
|       |                                          |   | 7     | 21.63 | -2.30 | 19.33   | <=33.01 | Pass    |      |
|       |                                          |   | 15    | 0     | 21.56 | -2.30   | 19.26   | <=33.01 | Pass |
| 64QAM | 1851.5                                   | 1 | 0     | 21.56 | -2.30 | 19.26   | <=33.01 | Pass    |      |
|       |                                          |   | 7     | 21.69 | -2.30 | 19.39   | <=33.01 | Pass    |      |
|       |                                          |   | 14    | 21.61 | -2.30 | 19.31   | <=33.01 | Pass    |      |
|       |                                          | 8 | 0     | 20.58 | -2.30 | 18.28   | <=33.01 | Pass    |      |
|       |                                          |   | 4     | 20.58 | -2.30 | 18.28   | <=33.01 | Pass    |      |
|       |                                          |   | 7     | 20.55 | -2.30 | 18.25   | <=33.01 | Pass    |      |
|       | 15                                       | 0 | 20.53 | -2.30 | 18.23 | <=33.01 | Pass    |         |      |
|       | 1880                                     | 1 | 0     | 21.85 | -2.30 | 19.55   | <=33.01 | Pass    |      |
|       |                                          |   | 7     | 22.04 | -2.30 | 19.74   | <=33.01 | Pass    |      |
|       |                                          |   | 14    | 21.89 | -2.30 | 19.59   | <=33.01 | Pass    |      |
|       |                                          | 8 | 0     | 20.81 | -2.30 | 18.51   | <=33.01 | Pass    |      |
|       |                                          |   | 4     | 20.89 | -2.30 | 18.59   | <=33.01 | Pass    |      |
|       |                                          |   | 7     | 20.85 | -2.30 | 18.55   | <=33.01 | Pass    |      |
|       | 15                                       | 0 | 20.77 | -2.30 | 18.47 | <=33.01 | Pass    |         |      |
|       | 1908.5                                   | 1 | 0     | 21.64 | -2.30 | 19.34   | <=33.01 | Pass    |      |
|       |                                          |   | 7     | 21.77 | -2.30 | 19.47   | <=33.01 | Pass    |      |
|       |                                          |   | 14    | 21.82 | -2.30 | 19.52   | <=33.01 | Pass    |      |
|       |                                          | 8 | 0     | 20.46 | -2.30 | 18.16   | <=33.01 | Pass    |      |
|       |                                          |   | 4     | 20.61 | -2.30 | 18.31   | <=33.01 | Pass    |      |
|       |                                          |   | 7     | 20.66 | -2.30 | 18.36   | <=33.01 | Pass    |      |
|       | 15                                       | 0 | 20.59 | -2.30 | 18.29 | <=33.01 | Pass    |         |      |
|       | Note1: EIRP=Conducted Power+Antenna Gain |   |       |       |       |         |         |         |      |

### 1.1.3 B2\_5MHz\_EIRP

| Band: 2 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |            |         |         |      |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |      |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |      |
| QPSK                             | 1852.5          | 1             | 0      | 23.54                 | -2.30      | 21.24      | <=33.01 | Pass    |      |
|                                  |                 |               | 13     | 23.55                 | -2.30      | 21.25      | <=33.01 | Pass    |      |
|                                  |                 |               | 24     | 23.44                 | -2.30      | 21.14      | <=33.01 | Pass    |      |
|                                  |                 | 12            | 0      | 22.55                 | -2.30      | 20.25      | <=33.01 | Pass    |      |
|                                  |                 |               | 6      | 22.58                 | -2.30      | 20.28      | <=33.01 | Pass    |      |
|                                  |                 |               | 13     | 22.52                 | -2.30      | 20.22      | <=33.01 | Pass    |      |
|                                  |                 | 25            | 0      | 22.52                 | -2.30      | 20.22      | <=33.01 | Pass    |      |
|                                  |                 | 1880          | 1      | 0                     | 23.73      | -2.30      | 21.43   | <=33.01 | Pass |
|                                  |                 |               |        | 13                    | 23.81      | -2.30      | 21.51   | <=33.01 | Pass |
|                                  | 24              |               |        | 23.70                 | -2.30      | 21.40      | <=33.01 | Pass    |      |
|                                  | 12              |               | 0      | 22.70                 | -2.30      | 20.40      | <=33.01 | Pass    |      |
|                                  |                 |               | 6      | 22.80                 | -2.30      | 20.50      | <=33.01 | Pass    |      |
|                                  |                 |               | 13     | 22.75                 | -2.30      | 20.45      | <=33.01 | Pass    |      |
|                                  | 25              | 0             | 22.73  | -2.30                 | 20.43      | <=33.01    | Pass    |         |      |
|                                  | 1907.5          | 1             | 0      | 23.41                 | -2.30      | 21.11      | <=33.01 | Pass    |      |
|                                  |                 |               | 13     | 23.68                 | -2.30      | 21.38      | <=33.01 | Pass    |      |
|                                  |                 |               | 24     | 23.64                 | -2.30      | 21.34      | <=33.01 | Pass    |      |
|                                  |                 | 12            | 0      | 22.40                 | -2.30      | 20.10      | <=33.01 | Pass    |      |
|                                  |                 |               | 6      | 22.55                 | -2.30      | 20.25      | <=33.01 | Pass    |      |
|                                  |                 |               | 13     | 22.55                 | -2.30      | 20.25      | <=33.01 | Pass    |      |
|                                  |                 | 25            | 0      | 22.51                 | -2.30      | 20.21      | <=33.01 | Pass    |      |
| 16QAM                            |                 | 1852.5        | 1      | 0                     | 22.63      | -2.30      | 20.33   | <=33.01 | Pass |
|                                  |                 |               |        | 13                    | 22.68      | -2.30      | 20.38   | <=33.01 | Pass |

|                                          |       |        |    |       |       |       |         |         |      |
|------------------------------------------|-------|--------|----|-------|-------|-------|---------|---------|------|
|                                          |       |        | 24 | 22.73 | -2.30 | 20.43 | <=33.01 | Pass    |      |
|                                          |       | 12     | 0  | 21.54 | -2.30 | 19.24 | <=33.01 | Pass    |      |
|                                          |       |        | 6  | 21.59 | -2.30 | 19.29 | <=33.01 | Pass    |      |
|                                          |       |        | 13 | 21.53 | -2.30 | 19.23 | <=33.01 | Pass    |      |
|                                          |       | 25     | 0  | 21.55 | -2.30 | 19.25 | <=33.01 | Pass    |      |
|                                          | 1880  | 1      | 0  | 22.83 | -2.30 | 20.53 | <=33.01 | Pass    |      |
|                                          |       |        | 13 | 22.96 | -2.30 | 20.66 | <=33.01 | Pass    |      |
|                                          |       |        | 24 | 22.77 | -2.30 | 20.47 | <=33.01 | Pass    |      |
|                                          |       | 12     | 0  | 21.74 | -2.30 | 19.44 | <=33.01 | Pass    |      |
|                                          |       |        | 6  | 21.79 | -2.30 | 19.49 | <=33.01 | Pass    |      |
|                                          |       |        | 13 | 21.82 | -2.30 | 19.52 | <=33.01 | Pass    |      |
|                                          |       | 25     | 0  | 21.77 | -2.30 | 19.47 | <=33.01 | Pass    |      |
|                                          |       | 1907.5 | 1  | 0     | 22.58 | -2.30 | 20.28   | <=33.01 | Pass |
|                                          | 13    |        |    | 22.76 | -2.30 | 20.46 | <=33.01 | Pass    |      |
|                                          | 24    |        |    | 22.84 | -2.30 | 20.54 | <=33.01 | Pass    |      |
|                                          | 12    |        | 0  | 21.39 | -2.30 | 19.09 | <=33.01 | Pass    |      |
|                                          |       |        | 6  | 21.58 | -2.30 | 19.28 | <=33.01 | Pass    |      |
|                                          |       |        | 13 | 21.62 | -2.30 | 19.32 | <=33.01 | Pass    |      |
|                                          | 25    |        | 0  | 21.53 | -2.30 | 19.23 | <=33.01 | Pass    |      |
|                                          | 64QAM | 1852.5 | 1  | 0     | 21.66 | -2.30 | 19.36   | <=33.01 | Pass |
|                                          |       |        |    | 13    | 21.83 | -2.30 | 19.53   | <=33.01 | Pass |
|                                          |       |        |    | 24    | 21.64 | -2.30 | 19.34   | <=33.01 | Pass |
|                                          |       |        | 12 | 0     | 20.52 | -2.30 | 18.22   | <=33.01 | Pass |
|                                          |       |        |    | 6     | 20.59 | -2.30 | 18.29   | <=33.01 | Pass |
| 13                                       |       |        |    | 20.51 | -2.30 | 18.21 | <=33.01 | Pass    |      |
| 25                                       |       |        | 0  | 20.55 | -2.30 | 18.25 | <=33.01 | Pass    |      |
| 1880                                     |       | 1      | 0  | 21.96 | -2.30 | 19.66 | <=33.01 | Pass    |      |
|                                          |       |        | 13 | 22.03 | -2.30 | 19.73 | <=33.01 | Pass    |      |
|                                          |       |        | 24 | 21.86 | -2.30 | 19.56 | <=33.01 | Pass    |      |
|                                          |       | 12     | 0  | 20.75 | -2.30 | 18.45 | <=33.01 | Pass    |      |
|                                          |       |        | 6  | 20.84 | -2.30 | 18.54 | <=33.01 | Pass    |      |
|                                          |       |        | 13 | 20.75 | -2.30 | 18.45 | <=33.01 | Pass    |      |
|                                          |       | 25     | 0  | 20.78 | -2.30 | 18.48 | <=33.01 | Pass    |      |
| 1907.5                                   |       | 1      | 0  | 21.48 | -2.30 | 19.18 | <=33.01 | Pass    |      |
|                                          |       |        | 13 | 21.65 | -2.30 | 19.35 | <=33.01 | Pass    |      |
|                                          |       |        | 24 | 21.68 | -2.30 | 19.38 | <=33.01 | Pass    |      |
|                                          |       | 12     | 0  | 20.40 | -2.30 | 18.10 | <=33.01 | Pass    |      |
|                                          |       |        | 6  | 20.57 | -2.30 | 18.27 | <=33.01 | Pass    |      |
|                                          |       |        | 13 | 20.59 | -2.30 | 18.29 | <=33.01 | Pass    |      |
|                                          |       | 25     | 0  | 20.54 | -2.30 | 18.24 | <=33.01 | Pass    |      |
| Note1: EIRP=Conducted Power+Antenna Gain |       |        |    |       |       |       |         |         |      |

#### 1.1.4 B2\_10MHz\_EIRP

| Band: 2 / Bandwidth: 10MHz / NTN |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 1855            | 1             | 0      | 23.50                 | -2.30      | 21.20      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 23.54                 | -2.30      | 21.24      | <=33.01 | Pass    |
|                                  |                 |               | 49     | 23.44                 | -2.30      | 21.14      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 22.56                 | -2.30      | 20.26      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.55                 | -2.30      | 20.25      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 22.54                 | -2.30      | 20.24      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 22.56                 | -2.30      | 20.26      | <=33.01 | Pass    |
|                                  | 1880            | 1             | 0      | 23.76                 | -2.30      | 21.46      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 23.77                 | -2.30      | 21.47      | <=33.01 | Pass    |
|                                  |                 |               | 49     | 23.62                 | -2.30      | 21.32      | <=33.01 | Pass    |

|                                          |      |       |       |       |         |         |         |      |
|------------------------------------------|------|-------|-------|-------|---------|---------|---------|------|
|                                          |      | 25    | 0     | 22.76 | -2.30   | 20.46   | <=33.01 | Pass |
|                                          |      |       | 13    | 22.84 | -2.30   | 20.54   | <=33.01 | Pass |
|                                          |      |       | 25    | 22.75 | -2.30   | 20.45   | <=33.01 | Pass |
|                                          |      | 50    | 0     | 22.77 | -2.30   | 20.47   | <=33.01 | Pass |
|                                          | 1905 | 1     | 0     | 23.46 | -2.30   | 21.16   | <=33.01 | Pass |
|                                          |      |       | 25    | 23.46 | -2.30   | 21.16   | <=33.01 | Pass |
|                                          |      |       | 49    | 23.54 | -2.30   | 21.24   | <=33.01 | Pass |
|                                          |      | 25    | 0     | 22.38 | -2.30   | 20.08   | <=33.01 | Pass |
|                                          |      |       | 13    | 22.50 | -2.30   | 20.20   | <=33.01 | Pass |
|                                          |      |       | 25    | 22.49 | -2.30   | 20.19   | <=33.01 | Pass |
|                                          |      | 50    | 0     | 22.48 | -2.30   | 20.18   | <=33.01 | Pass |
|                                          |      |       |       |       |         |         |         |      |
| 16QAM                                    | 1855 | 1     | 0     | 22.71 | -2.30   | 20.41   | <=33.01 | Pass |
|                                          |      |       | 25    | 22.67 | -2.30   | 20.37   | <=33.01 | Pass |
|                                          |      |       | 49    | 22.63 | -2.30   | 20.33   | <=33.01 | Pass |
|                                          |      | 25    | 0     | 21.60 | -2.30   | 19.30   | <=33.01 | Pass |
|                                          |      |       | 13    | 21.61 | -2.30   | 19.31   | <=33.01 | Pass |
|                                          |      |       | 25    | 21.55 | -2.30   | 19.25   | <=33.01 | Pass |
|                                          |      | 50    | 0     | 21.55 | -2.30   | 19.25   | <=33.01 | Pass |
|                                          | 1880 | 1     | 0     | 22.93 | -2.30   | 20.63   | <=33.01 | Pass |
|                                          |      |       | 25    | 22.88 | -2.30   | 20.58   | <=33.01 | Pass |
|                                          |      |       | 49    | 22.80 | -2.30   | 20.50   | <=33.01 | Pass |
|                                          |      | 25    | 0     | 21.74 | -2.30   | 19.44   | <=33.01 | Pass |
|                                          |      |       | 13    | 21.84 | -2.30   | 19.54   | <=33.01 | Pass |
|                                          |      |       | 25    | 21.76 | -2.30   | 19.46   | <=33.01 | Pass |
|                                          |      | 50    | 0     | 21.77 | -2.30   | 19.47   | <=33.01 | Pass |
|                                          | 1905 | 1     | 0     | 22.64 | -2.30   | 20.34   | <=33.01 | Pass |
|                                          |      |       | 25    | 22.51 | -2.30   | 20.21   | <=33.01 | Pass |
|                                          |      |       | 49    | 22.85 | -2.30   | 20.55   | <=33.01 | Pass |
|                                          |      | 25    | 0     | 21.39 | -2.30   | 19.09   | <=33.01 | Pass |
|                                          |      |       | 13    | 21.48 | -2.30   | 19.18   | <=33.01 | Pass |
|                                          |      |       | 25    | 21.53 | -2.30   | 19.23   | <=33.01 | Pass |
|                                          |      | 50    | 0     | 21.50 | -2.30   | 19.20   | <=33.01 | Pass |
|                                          |      |       |       |       |         |         |         |      |
| 64QAM                                    | 1855 | 1     | 0     | 21.66 | -2.30   | 19.36   | <=33.01 | Pass |
|                                          |      |       | 25    | 21.63 | -2.30   | 19.33   | <=33.01 | Pass |
|                                          |      |       | 49    | 21.61 | -2.30   | 19.31   | <=33.01 | Pass |
|                                          |      | 25    | 0     | 20.56 | -2.30   | 18.26   | <=33.01 | Pass |
|                                          |      |       | 13    | 20.54 | -2.30   | 18.24   | <=33.01 | Pass |
|                                          |      |       | 25    | 20.50 | -2.30   | 18.20   | <=33.01 | Pass |
|                                          |      | 50    | 0     | 20.54 | -2.30   | 18.24   | <=33.01 | Pass |
|                                          | 1880 | 1     | 0     | 21.97 | -2.30   | 19.67   | <=33.01 | Pass |
|                                          |      |       | 25    | 21.93 | -2.30   | 19.63   | <=33.01 | Pass |
|                                          |      |       | 49    | 21.84 | -2.30   | 19.54   | <=33.01 | Pass |
|                                          |      | 25    | 0     | 20.74 | -2.30   | 18.44   | <=33.01 | Pass |
|                                          |      |       | 13    | 20.80 | -2.30   | 18.50   | <=33.01 | Pass |
|                                          |      |       | 25    | 20.77 | -2.30   | 18.47   | <=33.01 | Pass |
|                                          | 50   | 0     | 20.80 | -2.30 | 18.50   | <=33.01 | Pass    |      |
|                                          | 1905 | 1     | 0     | 21.62 | -2.30   | 19.32   | <=33.01 | Pass |
|                                          |      |       | 25    | 21.66 | -2.30   | 19.36   | <=33.01 | Pass |
|                                          |      |       | 49    | 21.73 | -2.30   | 19.43   | <=33.01 | Pass |
|                                          |      | 25    | 0     | 20.39 | -2.30   | 18.09   | <=33.01 | Pass |
|                                          |      |       | 13    | 20.53 | -2.30   | 18.23   | <=33.01 | Pass |
| 25                                       |      |       | 20.52 | -2.30 | 18.22   | <=33.01 | Pass    |      |
| 50                                       | 0    | 20.48 | -2.30 | 18.18 | <=33.01 | Pass    |         |      |
| Note1: EIRP=Conducted Power+Antenna Gain |      |       |       |       |         |         |         |      |

### 1.1.5 B2\_15MHz\_EIRP

| Band: 2 / Bandwidth: 15MHz / NTNV |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 1857.5          | 1             | 0      | 23.25                 | -2.30      | 20.95      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 23.33                 | -2.30      | 21.03      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 23.36                 | -2.30      | 21.06      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 22.39                 | -2.30      | 20.09      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 22.43                 | -2.30      | 20.13      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 22.42                 | -2.30      | 20.12      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 22.47                 | -2.30      | 20.17      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 23.61                 | -2.30      | 21.31      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 23.56                 | -2.30      | 21.26      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 23.48                 | -2.30      | 21.18      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 22.68                 | -2.30      | 20.38      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 22.66                 | -2.30      | 20.36      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 22.62                 | -2.30      | 20.32      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 22.67                 | -2.30      | 20.37      | <=33.01 | Pass    |
|                                   | 1902.5          | 1             | 0      | 23.26                 | -2.30      | 20.96      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 23.21                 | -2.30      | 20.91      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 23.39                 | -2.30      | 21.09      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 22.27                 | -2.30      | 19.97      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 22.26                 | -2.30      | 19.96      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 22.34                 | -2.30      | 20.04      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 22.35                 | -2.30      | 20.05      | <=33.01 | Pass    |
| 16QAM                             | 1857.5          | 1             | 0      | 22.46                 | -2.30      | 20.16      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 22.57                 | -2.30      | 20.27      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 22.59                 | -2.30      | 20.29      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 21.39                 | -2.30      | 19.09      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 21.45                 | -2.30      | 19.15      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 21.49                 | -2.30      | 19.19      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 21.45                 | -2.30      | 19.15      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 22.88                 | -2.30      | 20.58      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 22.78                 | -2.30      | 20.48      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 22.65                 | -2.30      | 20.35      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 21.66                 | -2.30      | 19.36      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 21.71                 | -2.30      | 19.41      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 21.61                 | -2.30      | 19.31      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 21.68                 | -2.30      | 19.38      | <=33.01 | Pass    |
|                                   | 1902.5          | 1             | 0      | 22.35                 | -2.30      | 20.05      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 22.37                 | -2.30      | 20.07      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 22.51                 | -2.30      | 20.21      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 21.29                 | -2.30      | 18.99      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 21.29                 | -2.30      | 18.99      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 21.37                 | -2.30      | 19.07      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 21.37                 | -2.30      | 19.07      | <=33.01 | Pass    |
| 64QAM                             | 1857.5          | 1             | 0      | 21.63                 | -2.30      | 19.33      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.45                 | -2.30      | 19.15      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 21.63                 | -2.30      | 19.33      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 20.42                 | -2.30      | 18.12      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 20.42                 | -2.30      | 18.12      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 20.42                 | -2.30      | 18.12      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 20.45                 | -2.30      | 18.15      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 21.92                 | -2.30      | 19.62      | <=33.01 | Pass    |
|                                   |                 |               | 38     | 21.75                 | -2.30      | 19.45      | <=33.01 | Pass    |
|                                   |                 |               | 74     | 21.55                 | -2.30      | 19.25      | <=33.01 | Pass    |
|                                   |                 | 36            | 0      | 20.64                 | -2.30      | 18.34      | <=33.01 | Pass    |
|                                   |                 |               | 18     | 20.66                 | -2.30      | 18.36      | <=33.01 | Pass    |
|                                   |                 |               | 39     | 20.59                 | -2.30      | 18.29      | <=33.01 | Pass    |
|                                   |                 | 75            | 0      | 20.69                 | -2.30      | 18.39      | <=33.01 | Pass    |

|  |        |                                          |    |       |       |       |         |      |
|--|--------|------------------------------------------|----|-------|-------|-------|---------|------|
|  | 1902.5 | 1                                        | 0  | 21.46 | -2.30 | 19.16 | <=33.01 | Pass |
|  |        |                                          | 38 | 21.45 | -2.30 | 19.15 | <=33.01 | Pass |
|  |        |                                          | 74 | 21.55 | -2.30 | 19.25 | <=33.01 | Pass |
|  |        | 36                                       | 0  | 20.28 | -2.30 | 17.98 | <=33.01 | Pass |
|  |        |                                          | 18 | 20.27 | -2.30 | 17.97 | <=33.01 | Pass |
|  |        |                                          | 39 | 20.36 | -2.30 | 18.06 | <=33.01 | Pass |
|  |        | 75                                       | 0  | 20.35 | -2.30 | 18.05 | <=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      | 23.45                 | -2.30      | 21.15      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 23.33                 | -2.30      | 21.03      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 23.46                 | -2.30      | 21.16      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 22.46                 | -2.30      | 20.16      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 22.49                 | -2.30      | 20.19      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.53                 | -2.30      | 20.23      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 22.49                 | -2.30      | 20.19      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 23.66                 | -2.30      | 21.36      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 23.57                 | -2.30      | 21.27      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 23.34                 | -2.30      | 21.04      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 22.68                 | -2.30      | 20.38      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 22.72                 | -2.30      | 20.42      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.58                 | -2.30      | 20.28      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 22.68                 | -2.30      | 20.38      | <=33.01 | Pass    |
|                                   | 1900            | 1             | 0      | 23.42                 | -2.30      | 21.12      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 23.29                 | -2.30      | 20.99      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 23.28                 | -2.30      | 20.98      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 22.37                 | -2.30      | 20.07      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 22.34                 | -2.30      | 20.04      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.38                 | -2.30      | 20.08      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 22.43                 | -2.30      | 20.13      | <=33.01 | Pass    |
| 16QAM                             | 1860            | 1             | 0      | 22.56                 | -2.30      | 20.26      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.46                 | -2.30      | 20.16      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 22.63                 | -2.30      | 20.33      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 21.50                 | -2.30      | 19.20      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.49                 | -2.30      | 19.19      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.52                 | -2.30      | 19.22      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 21.48                 | -2.30      | 19.18      | <=33.01 | Pass    |
|                                   | 1880            | 1             | 0      | 22.83                 | -2.30      | 20.53      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.64                 | -2.30      | 20.34      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 22.36                 | -2.30      | 20.06      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 21.68                 | -2.30      | 19.38      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.69                 | -2.30      | 19.39      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.58                 | -2.30      | 19.28      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 21.68                 | -2.30      | 19.38      | <=33.01 | Pass    |
|                                   | 1900            | 1             | 0      | 22.72                 | -2.30      | 20.42      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.61                 | -2.30      | 20.31      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 22.55                 | -2.30      | 20.25      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 21.36                 | -2.30      | 19.06      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.37                 | -2.30      | 19.07      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.40                 | -2.30      | 19.10      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 21.44                 | -2.30      | 19.14      | <=33.01 | Pass    |
| 64QAM                             | 1860            | 1             | 0      | 21.53                 | -2.30      | 19.23      | <=33.01 | Pass    |

|                                          |      |     |       |       |       |         |         |      |
|------------------------------------------|------|-----|-------|-------|-------|---------|---------|------|
|                                          |      |     | 50    | 21.47 | -2.30 | 19.17   | <=33.01 | Pass |
|                                          |      |     | 99    | 21.79 | -2.30 | 19.49   | <=33.01 | Pass |
|                                          |      | 50  | 0     | 20.45 | -2.30 | 18.15   | <=33.01 | Pass |
|                                          |      |     | 25    | 20.48 | -2.30 | 18.18   | <=33.01 | Pass |
|                                          |      |     | 50    | 20.53 | -2.30 | 18.23   | <=33.01 | Pass |
|                                          |      | 100 | 0     | 20.52 | -2.30 | 18.22   | <=33.01 | Pass |
|                                          | 1880 | 1   | 0     | 21.92 | -2.30 | 19.62   | <=33.01 | Pass |
|                                          |      |     | 50    | 21.79 | -2.30 | 19.49   | <=33.01 | Pass |
|                                          |      |     | 99    | 21.54 | -2.30 | 19.24   | <=33.01 | Pass |
|                                          |      | 50  | 0     | 20.71 | -2.30 | 18.41   | <=33.01 | Pass |
|                                          |      |     | 25    | 20.69 | -2.30 | 18.39   | <=33.01 | Pass |
|                                          |      |     | 50    | 20.59 | -2.30 | 18.29   | <=33.01 | Pass |
|                                          | 100  | 0   | 20.67 | -2.30 | 18.37 | <=33.01 | Pass    |      |
|                                          | 1900 | 1   | 0     | 21.65 | -2.30 | 19.35   | <=33.01 | Pass |
|                                          |      |     | 50    | 21.63 | -2.30 | 19.33   | <=33.01 | Pass |
|                                          |      |     | 99    | 21.65 | -2.30 | 19.35   | <=33.01 | Pass |
|                                          |      | 50  | 0     | 20.32 | -2.30 | 18.02   | <=33.01 | Pass |
|                                          |      |     | 25    | 20.37 | -2.30 | 18.07   | <=33.01 | Pass |
|                                          |      |     | 50    | 20.34 | -2.30 | 18.04   | <=33.01 | Pass |
|                                          |      | 100 | 0     | 20.38 | -2.30 | 18.08   | <=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         | 3.6           | -21.300          | -0.0115               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.92          | -22.900          | -0.0124               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.53          | -13.800          | -0.0075               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.92          | -14.300          | -0.0077               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.92          | -22.100          | -0.0119               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.92          | -18.400          | -0.0099               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.92          | -19.700          | -0.0106               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.92          | -18.600          | -0.0101               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.92          | -25.200          | -0.0136               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.92          | -21.400          | -0.0116               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.92          | -20.500          | -0.0111               | -2.5 to 2.5 | Pass    |
|                             | 1880            | 6             | 0      | 20         | 3.6           | -7.500           | -0.0040               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.92          | -1.400           | -0.0007               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.53          | -6.900           | -0.0037               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.92          | -1.900           | -0.0010               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.92          | 4.800            | 0.0026                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.92          | 0.100            | 0.0001                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.92          | 2.500            | 0.0013                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.92          | -15.000          | -0.0080               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.92          | -2.400           | -0.0013               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.92          | -3.200           | -0.0017               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.92          | 3.400            | 0.0018                | -2.5 to 2.5 | Pass    |
|                             | 1909.3          | 6             | 0      | 20         | 3.6           | 9.400            | 0.0049                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.92          | 13.100           | 0.0069                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.53          | 15.700           | 0.0082                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.92          | 20.700           | 0.0108                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.92          | 14.800           | 0.0078                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.92          | 13.600           | 0.0071                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.92          | 11.900           | 0.0062                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.92          | 12.900           | 0.0068                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.92          | 9.700            | 0.0051                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.92          | 6.300            | 0.0033                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.92          | 7.300            | 0.0038                | -2.5 to 2.5 | Pass    |
| 16QAM                       | 1850.7          | 6             | 0      | 20         | 3.6           | -24.400          | -0.0132               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.92          | -19.400          | -0.0105               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.53          | -25.800          | -0.0139               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.92          | -15.100          | -0.0082               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.92          | -23.400          | -0.0126               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.92          | -17.600          | -0.0095               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.92          | -15.500          | -0.0084               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.92          | -16.000          | -0.0086               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.92          | -11.100          | -0.0060               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.92          | -18.100          | -0.0098               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.92          | -15.300          | -0.0083               | -2.5 to 2.5 | Pass    |
|                             | 1880            | 6             | 0      | 20         | 3.6           | 3.200            | 0.0017                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.92          | -6.400           | -0.0034               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.53          | 3.500            | 0.0019                | -2.5 to 2.5 | Pass    |

|       |        |   |   |     |      |          |         |             |      |
|-------|--------|---|---|-----|------|----------|---------|-------------|------|
|       |        |   |   | -30 | 3.92 | -12.800  | -0.0068 | -2.5 to 2.5 | Pass |
|       |        |   |   | -20 | 3.92 | -15.800  | -0.0084 | -2.5 to 2.5 | Pass |
|       |        |   |   | -10 | 3.92 | -10.200  | -0.0054 | -2.5 to 2.5 | Pass |
|       |        |   |   | 0   | 3.92 | -3.600   | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |   |   | 10  | 3.92 | 3.000    | 0.0016  | -2.5 to 2.5 | Pass |
|       |        |   |   | 30  | 3.92 | -24.100  | -0.0128 | -2.5 to 2.5 | Pass |
|       |        |   |   | 40  | 3.92 | -13.700  | -0.0073 | -2.5 to 2.5 | Pass |
|       |        |   |   | 50  | 3.92 | 0.000    | 0.0000  | -2.5 to 2.5 | Pass |
|       | 1909.3 | 6 | 0 | 20  | 3.6  | 11.300   | 0.0059  | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 3.92 | 7.500    | 0.0039  | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 4.53 | 7.600    | 0.0040  | -2.5 to 2.5 | Pass |
|       |        |   |   | -30 | 3.92 | 12.500   | 0.0065  | -2.5 to 2.5 | Pass |
|       |        |   |   | -20 | 3.92 | 6.500    | 0.0034  | -2.5 to 2.5 | Pass |
|       |        |   |   | -10 | 3.92 | 5.500    | 0.0029  | -2.5 to 2.5 | Pass |
|       |        |   |   | 0   | 3.92 | 6.000    | 0.0031  | -2.5 to 2.5 | Pass |
|       |        |   |   | 10  | 3.92 | 6.000    | 0.0031  | -2.5 to 2.5 | Pass |
|       |        |   |   | 30  | 3.92 | 8.800    | 0.0046  | -2.5 to 2.5 | Pass |
|       |        |   |   | 40  | 3.92 | 8.600    | 0.0045  | -2.5 to 2.5 | Pass |
|       |        |   |   | 50  | 3.92 | 4.200    | 0.0022  | -2.5 to 2.5 | Pass |
| 64QAM | 1850.7 | 6 | 0 | 20  | 3.6  | 145.500  | 0.0786  | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 3.92 | -40.700  | -0.0220 | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 4.53 | 174.400  | 0.0942  | -2.5 to 2.5 | Pass |
|       |        |   |   | -30 | 3.92 | -190.400 | -0.1029 | -2.5 to 2.5 | Pass |
|       |        |   |   | -20 | 3.92 | -197.700 | -0.1068 | -2.5 to 2.5 | Pass |
|       |        |   |   | -10 | 3.92 | 144.400  | 0.0780  | -2.5 to 2.5 | Pass |
|       |        |   |   | 0   | 3.92 | 186.700  | 0.1009  | -2.5 to 2.5 | Pass |
|       |        |   |   | 10  | 3.92 | 183.900  | 0.0994  | -2.5 to 2.5 | Pass |
|       |        |   |   | 30  | 3.92 | -13.300  | -0.0072 | -2.5 to 2.5 | Pass |
|       |        |   |   | 40  | 3.92 | 171.100  | 0.0925  | -2.5 to 2.5 | Pass |
|       |        |   |   | 50  | 3.92 | -64.100  | -0.0346 | -2.5 to 2.5 | Pass |
|       | 1880   | 6 | 0 | 20  | 3.6  | 183.100  | 0.0974  | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 3.92 | -195.200 | -0.1038 | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 4.53 | -174.600 | -0.0929 | -2.5 to 2.5 | Pass |
|       |        |   |   | -30 | 3.92 | -47.700  | -0.0254 | -2.5 to 2.5 | Pass |
|       |        |   |   | -20 | 3.92 | -199.200 | -0.1060 | -2.5 to 2.5 | Pass |
|       |        |   |   | -10 | 3.92 | 182.600  | 0.0971  | -2.5 to 2.5 | Pass |
|       |        |   |   | 0   | 3.92 | -192.200 | -0.1022 | -2.5 to 2.5 | Pass |
|       |        |   |   | 10  | 3.92 | 173.400  | 0.0922  | -2.5 to 2.5 | Pass |
|       |        |   |   | 30  | 3.92 | -165.900 | -0.0882 | -2.5 to 2.5 | Pass |
|       |        |   |   | 40  | 3.92 | 171.200  | 0.0911  | -2.5 to 2.5 | Pass |
|       |        |   |   | 50  | 3.92 | 173.500  | 0.0923  | -2.5 to 2.5 | Pass |
|       | 1909.3 | 6 | 0 | 20  | 3.6  | 198.100  | 0.1038  | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 3.92 | -154.000 | -0.0807 | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 4.53 | -178.200 | -0.0933 | -2.5 to 2.5 | Pass |
|       |        |   |   | -30 | 3.92 | 15.200   | 0.0080  | -2.5 to 2.5 | Pass |
|       |        |   |   | -20 | 3.92 | -181.600 | -0.0951 | -2.5 to 2.5 | Pass |
|       |        |   |   | -10 | 3.92 | 3.700    | 0.0019  | -2.5 to 2.5 | Pass |
|       |        |   |   | 0   | 3.92 | -119.300 | -0.0625 | -2.5 to 2.5 | Pass |
|       |        |   |   | 10  | 3.92 | -163.000 | -0.0854 | -2.5 to 2.5 | Pass |
|       |        |   |   | 30  | 3.92 | 198.400  | 0.1039  | -2.5 to 2.5 | Pass |
|       |        |   |   | 40  | 3.92 | -140.400 | -0.0735 | -2.5 to 2.5 | Pass |
|       |        |   |   | 50  | 3.92 | 190.600  | 0.0998  | -2.5 to 2.5 | Pass |

## 2.1.2 B2\_3MHz

| Band: 2 / Bandwidth: 3MHz |           |               |       |         |             |                       |         |
|---------------------------|-----------|---------------|-------|---------|-------------|-----------------------|---------|
| Modulation                | Frequency | RB Allocation | Temp. | Voltage | Freq. Error | Freq. vs. Rated (ppm) | Verdict |

|       | (MHz)  | Size | Offset | (°C) | (VDC) | (Hz)   | Result  | Limit       |      |
|-------|--------|------|--------|------|-------|--------|---------|-------------|------|
| QPSK  | 1851.5 | 15   | 0      | 20   | 3.6   | 0.600  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |      |        |      | 3.92  | -1.900 | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |      |        |      | 4.53  | -1.500 | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |      |        | -30  | 3.92  | -0.400 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |      |        | -20  | 3.92  | 0.400  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |      |        | -10  | 3.92  | 0.900  | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |      |        | 0    | 3.92  | -1.600 | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |      |        | 10   | 3.92  | 0.200  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |      |        | 30   | 3.92  | 3.700  | 0.0020  | -2.5 to 2.5 | Pass |
|       |        |      |        | 40   | 3.92  | 0.700  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |      |        | 50   | 3.92  | -2.500 | -0.0014 | -2.5 to 2.5 | Pass |
|       | 1880   | 15   | 0      | 20   | 3.6   | 3.000  | 0.0016  | -2.5 to 2.5 | Pass |
|       |        |      |        |      | 3.92  | 2.800  | 0.0015  | -2.5 to 2.5 | Pass |
|       |        |      |        |      | 4.53  | -0.800 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |      |        | -30  | 3.92  | 1.800  | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |      |        | -20  | 3.92  | 1.900  | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |      |        | -10  | 3.92  | -0.100 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |      |        | 0    | 3.92  | 0.300  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |      |        | 10   | 3.92  | 0.100  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |      |        | 30   | 3.92  | 2.200  | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |      |        | 40   | 3.92  | 1.100  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |      |        | 50   | 3.92  | 0.900  | 0.0005  | -2.5 to 2.5 | Pass |
|       | 1908.5 | 15   | 0      | 20   | 3.6   | 1.200  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |      |        |      | 3.92  | -1.000 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |      |        |      | 4.53  | -1.000 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |      |        | -30  | 3.92  | -2.100 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |      |        | -20  | 3.92  | -2.500 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |      |        | -10  | 3.92  | -0.400 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |      |        | 0    | 3.92  | -2.400 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |      |        | 10   | 3.92  | -1.200 | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |      |        | 30   | 3.92  | -1.200 | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |      |        | 40   | 3.92  | 0.300  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |      |        | 50   | 3.92  | 0.400  | 0.0002  | -2.5 to 2.5 | Pass |
| 16QAM | 1851.5 | 15   | 0      | 20   | 3.6   | 1.100  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |      |        |      | 3.92  | -0.300 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |      |        |      | 4.53  | 1.300  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |      |        | -30  | 3.92  | -0.300 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |      |        | -20  | 3.92  | 0.900  | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |      |        | -10  | 3.92  | -1.300 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |      |        | 0    | 3.92  | -1.800 | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |      |        | 10   | 3.92  | -0.600 | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |      |        | 30   | 3.92  | 0.100  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |      |        | 40   | 3.92  | -1.100 | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |      |        | 50   | 3.92  | 0.800  | 0.0004  | -2.5 to 2.5 | Pass |
|       | 1880   | 15   | 0      | 20   | 3.6   | -0.500 | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |      |        |      | 3.92  | 3.400  | 0.0018  | -2.5 to 2.5 | Pass |
|       |        |      |        |      | 4.53  | 1.000  | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |      |        | -30  | 3.92  | -0.800 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |      |        | -20  | 3.92  | -1.100 | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |      |        | -10  | 3.92  | -0.500 | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |      |        | 0    | 3.92  | 1.000  | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |      |        | 10   | 3.92  | -0.400 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |      |        | 30   | 3.92  | 1.200  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |      |        | 40   | 3.92  | 0.400  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |      |        | 50   | 3.92  | 0.400  | 0.0002  | -2.5 to 2.5 | Pass |
|       | 1908.5 | 15   | 0      | 20   | 3.6   | -1.000 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |      |        |      | 3.92  | 0.300  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |      |        |      | 4.53  | 2.500  | 0.0013  | -2.5 to 2.5 | Pass |

|       |        |    |   |     |      |          |         |             |      |
|-------|--------|----|---|-----|------|----------|---------|-------------|------|
|       |        |    |   | -30 | 3.92 | 1.600    | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.92 | -2.300   | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.92 | 1.800    | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.92 | 2.000    | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.92 | 0.300    | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.92 | -1.100   | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.92 | -2.500   | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.92 | 0.300    | 0.0002  | -2.5 to 2.5 | Pass |
| 64QAM | 1851.5 | 15 | 0 | 20  | 3.6  | -44.600  | -0.0241 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.92 | 32.900   | 0.0178  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.53 | -59.100  | -0.0319 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.92 | 77.000   | 0.0416  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.92 | 30.400   | 0.0164  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.92 | -47.600  | -0.0257 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.92 | -24.800  | -0.0134 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.92 | 8.100    | 0.0044  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.92 | 75.500   | 0.0408  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.92 | 28.700   | 0.0155  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.92 | 70.300   | 0.0380  | -2.5 to 2.5 | Pass |
|       | 1880   | 15 | 0 | 20  | 3.6  | -38.000  | -0.0202 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.92 | 26.400   | 0.0140  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.53 | 18.700   | 0.0099  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.92 | 8.600    | 0.0046  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.92 | 52.700   | 0.0280  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.92 | 103.500  | 0.0551  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.92 | -20.600  | -0.0110 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.92 | 42.700   | 0.0227  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.92 | -15.200  | -0.0081 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.92 | 43.100   | 0.0229  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.92 | 33.900   | 0.0180  | -2.5 to 2.5 | Pass |
|       | 1908.5 | 15 | 0 | 20  | 3.6  | -52.600  | -0.0276 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.92 | 70.600   | 0.0370  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.53 | 64.700   | 0.0339  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.92 | -59.600  | -0.0312 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.92 | -134.900 | -0.0707 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.92 | 58.100   | 0.0304  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.92 | 77.200   | 0.0405  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.92 | 30.000   | 0.0157  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.92 | 123.000  | 0.0644  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.92 | -23.300  | -0.0122 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.92 | -23.200  | -0.0122 | -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         | 3.6           | 0.800            | 0.0004                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.92          | 2.900            | 0.0016                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.53          | 2.900            | 0.0016                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.92          | 4.000            | 0.0022                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.92          | 0.200            | 0.0001                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.92          | 2.400            | 0.0013                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.92          | 0.300            | 0.0002                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.92          | 0.500            | 0.0003                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.92          | -0.600           | -0.0003               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.92          | -1.300           | -0.0007               | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
|       | 1880   | 25 | 0 | 50  | 3.92 | 1.000   | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.6  | -1.400  | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.92 | -1.700  | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.53 | -1.300  | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.92 | 0.700   | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.92 | -4.100  | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.92 | 0.300   | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.92 | 0.800   | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.92 | 1.800   | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.92 | -0.800  | -0.0004 | -2.5 to 2.5 | Pass |
|       | 1907.5 | 25 | 0 | 40  | 3.92 | -0.600  | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.92 | -4.000  | -0.0021 | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.6  | 1.300   | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.92 | 1.600   | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.53 | 2.500   | 0.0013  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.92 | 0.000   | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.92 | -0.800  | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.92 | -0.600  | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.92 | 2.600   | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.92 | 0.800   | 0.0004  | -2.5 to 2.5 | Pass |
| 16QAM | 1852.5 | 25 | 0 | 30  | 3.92 | 0.400   | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.92 | 2.600   | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.92 | -0.800  | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.6  | 2.900   | 0.0016  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.92 | 3.600   | 0.0019  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.53 | 1.700   | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.92 | 2.600   | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.92 | 2.500   | 0.0013  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.92 | -0.100  | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.92 | -0.500  | -0.0003 | -2.5 to 2.5 | Pass |
|       | 1880   | 25 | 0 | 10  | 3.92 | 0.800   | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.92 | 2.500   | 0.0013  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.92 | 1.800   | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.92 | 0.100   | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.6  | -1.800  | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.92 | 0.400   | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.53 | -0.500  | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.92 | -0.100  | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.92 | -1.700  | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.92 | -2.400  | -0.0013 | -2.5 to 2.5 | Pass |
|       | 1907.5 | 25 | 0 | 0   | 3.92 | -0.600  | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.92 | -0.300  | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.92 | -0.900  | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.92 | -2.100  | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.92 | 0.200   | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.6  | 0.700   | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.92 | 0.300   | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.53 | 0.300   | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.92 | -0.100  | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.92 | 0.400   | 0.0002  | -2.5 to 2.5 | Pass |
| 64QAM | 1852.5 | 25 | 0 | -10 | 3.92 | -0.600  | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.92 | 1.200   | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.92 | -0.700  | -0.0004 | -2.5 to 2.5 | Pass |
|       | 1880   | 25 | 0 | 30  | 3.92 | -0.900  | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.92 | -0.100  | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.92 | 1.800   | 0.0009  | -2.5 to 2.5 | Pass |
|       | 1907.5 | 25 | 0 | 20  | 3.6  | 14.700  | 0.0079  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.92 | 1.500   | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.53 | -38.800 | -0.0209 | -2.5 to 2.5 | Pass |

|  |        |    |   |     |      |         |         |             |      |
|--|--------|----|---|-----|------|---------|---------|-------------|------|
|  |        |    |   | -30 | 3.92 | -32.200 | -0.0174 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.92 | -29.300 | -0.0158 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.92 | -17.200 | -0.0093 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.92 | -24.300 | -0.0131 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.92 | -15.100 | -0.0082 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.92 | 9.100   | 0.0049  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.92 | -12.400 | -0.0067 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.92 | 8.800   | 0.0048  | -2.5 to 2.5 | Pass |
|  | 1880   | 25 | 0 | 20  | 3.6  | 26.100  | 0.0139  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.92 | 47.700  | 0.0254  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.53 | 36.000  | 0.0191  | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.92 | -27.800 | -0.0148 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.92 | -23.000 | -0.0122 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.92 | -0.400  | -0.0002 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.92 | 29.400  | 0.0156  | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.92 | 19.300  | 0.0103  | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.92 | -60.900 | -0.0324 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.92 | -34.000 | -0.0181 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.92 | 9.500   | 0.0051  | -2.5 to 2.5 | Pass |
|  | 1907.5 | 25 | 0 | 20  | 3.6  | -2.500  | -0.0013 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.92 | 4.900   | 0.0026  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.53 | -15.900 | -0.0083 | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.92 | -34.600 | -0.0181 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.92 | 14.900  | 0.0078  | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.92 | -32.700 | -0.0171 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.92 | -73.600 | -0.0386 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.92 | -12.900 | -0.0068 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.92 | -10.200 | -0.0053 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.92 | 19.500  | 0.0102  | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.92 | -32.700 | -0.0171 | -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         | 3.6           | -1.500           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.92          | 0.400            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.53          | 0.600            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.92          | 1.900            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.92          | -2.400           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.92          | -0.100           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.92          | 2.000            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.92          | 0.100            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.92          | 0.400            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.92          | -2.000           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.92          | -1.200           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 50            | 0      | 20         | 3.6           | -3.000           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.92          | 0.200            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.53          | -0.600           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.92          | -0.100           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.92          | -1.800           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.92          | -1.700           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.92          | -1.200           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.92          | -2.800           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.92          | -1.100           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.92          | -0.700           | -0.0004               | -2.5 to 2.5 | Pass    |

|       |      |    |   |     |      |         |         |             |      |
|-------|------|----|---|-----|------|---------|---------|-------------|------|
|       | 1905 | 50 | 0 | 50  | 3.92 | 1.700   | 0.0009  | -2.5 to 2.5 | Pass |
|       |      |    |   | 20  | 3.6  | -0.700  | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.92 | -1.800  | -0.0009 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.53 | -0.400  | -0.0002 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.92 | -0.800  | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.92 | -0.700  | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.92 | 1.300   | 0.0007  | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.92 | 0.000   | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.92 | -0.500  | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.92 | -1.100  | -0.0006 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.92 | 3.000   | 0.0016  | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.92 | -0.200  | -0.0001 | -2.5 to 2.5 | Pass |
| 16QAM | 1855 | 50 | 0 | 20  | 3.6  | 1.300   | 0.0007  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.92 | 2.000   | 0.0011  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.53 | 0.200   | 0.0001  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.92 | -0.800  | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.92 | -0.800  | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.92 | 1.700   | 0.0009  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.92 | 1.000   | 0.0005  | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.92 | 1.700   | 0.0009  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.92 | 1.500   | 0.0008  | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.92 | 1.200   | 0.0006  | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.92 | -0.100  | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.92 | 0.600   | 0.0003  | -2.5 to 2.5 | Pass |
|       | 1880 | 50 | 0 | 20  | 3.6  | 0.200   | 0.0001  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.92 | -1.700  | -0.0009 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.53 | -1.200  | -0.0006 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.92 | -2.200  | -0.0012 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.92 | -2.200  | -0.0012 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.92 | -0.600  | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.92 | -1.300  | -0.0007 | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.92 | -0.100  | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.92 | -0.500  | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.92 | -0.100  | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.92 | 0.000   | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.92 | -3.600  | -0.0019 | -2.5 to 2.5 | Pass |
|       | 1905 | 50 | 0 | 20  | 3.6  | 0.500   | 0.0003  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.92 | 2.600   | 0.0014  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.53 | 0.500   | 0.0003  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.92 | -0.500  | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.92 | -0.500  | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.92 | 1.000   | 0.0005  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.92 | 1.900   | 0.0010  | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.92 | 1.700   | 0.0009  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.92 | 0.300   | 0.0002  | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.92 | -1.100  | -0.0006 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.92 | 1.400   | 0.0007  | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.92 | 1.300   | 0.0007  | -2.5 to 2.5 | Pass |
| 64QAM | 1855 | 50 | 0 | 20  | 3.6  | 2.400   | 0.0013  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.92 | 25.700  | 0.0139  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.53 | 9.800   | 0.0053  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.92 | 29.200  | 0.0157  | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.92 | 29.200  | 0.0157  | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.92 | 1.400   | 0.0008  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.92 | -5.200  | -0.0028 | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.92 | -8.400  | -0.0045 | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.92 | 3.900   | 0.0021  | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.92 | -9.400  | -0.0051 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.92 | 2.900   | 0.0016  | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.92 | -2.100  | -0.0011 | -2.5 to 2.5 | Pass |
|       | 1880 | 50 | 0 | 20  | 3.6  | 6.500   | 0.0035  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.92 | 31.000  | 0.0165  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.53 | -15.000 | -0.0080 | -2.5 to 2.5 | Pass |

|  |      |    |   |     |      |         |         |             |      |
|--|------|----|---|-----|------|---------|---------|-------------|------|
|  |      |    |   | -30 | 3.92 | 15.000  | 0.0080  | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.92 | 30.300  | 0.0161  | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.92 | 15.100  | 0.0080  | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.92 | -19.600 | -0.0104 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.92 | -0.900  | -0.0005 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.92 | 6.200   | 0.0033  | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.92 | 19.400  | 0.0103  | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.92 | 6.000   | 0.0032  | -2.5 to 2.5 | Pass |
|  | 1905 | 50 | 0 | 20  | 3.6  | 1.200   | 0.0006  | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 3.92 | 15.700  | 0.0082  | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 4.53 | -17.900 | -0.0094 | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 3.92 | -8.300  | -0.0044 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.92 | 20.100  | 0.0106  | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.92 | -12.000 | -0.0063 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.92 | -15.500 | -0.0081 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.92 | 13.400  | 0.0070  | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.92 | -0.800  | -0.0004 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.92 | 34.000  | 0.0178  | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.92 | 0.200   | 0.0001  | -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         | 3.6           | -1.700           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.92          | 0.200            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.53          | 2.000            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.92          | 1.600            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.92          | -3.100           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.92          | -0.600           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.92          | 1.900            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.92          | -0.900           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.92          | -1.100           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.92          | -1.700           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 75            | 0      | 20         | 3.6           | 0.200            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.92          | -2.700           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.53          | 2.400            | 0.0013                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.92          | -2.200           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.92          | 1.900            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.92          | 1.100            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.92          | -1.000           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.92          | -2.500           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.92          | -0.600           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.92          | 1.200            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            | 1902.5          | 75            | 0      | 20         | 3.6           | -2.500           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.92          | -0.300           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.53          | 2.200            | 0.0012                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.92          | 2.100            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.92          | -1.200           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.92          | -0.400           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.92          | -2.700           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.92          | -1.400           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.92          | -1.200           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.92          | -2.700           | -0.0014               | -2.5 to 2.5 | Pass    |



|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
| 16QAM | 1857.5 | 75 | 0 | 50  | 3.92 | -1.400  | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.6  | -0.500  | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.92 | 0.100   | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.53 | -1.100  | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.92 | 0.700   | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.92 | -2.600  | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.92 | -1.300  | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.92 | -1.400  | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.92 | -1.200  | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.92 | 0.600   | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.92 | -0.600  | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.92 | -0.100  | -0.0001 | -2.5 to 2.5 | Pass |
|       | 1880   | 75 | 0 | 20  | 3.6  | 0.700   | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.92 | -0.700  | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.53 | 0.300   | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.92 | 1.100   | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.92 | 0.300   | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.92 | -0.100  | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.92 | -0.700  | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.92 | 0.200   | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.92 | 0.000   | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.92 | 0.100   | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.92 | -3.800  | -0.0020 | -2.5 to 2.5 | Pass |
|       | 1902.5 | 75 | 0 | 20  | 3.6  | -1.500  | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.92 | -1.000  | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.53 | -1.900  | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.92 | -1.600  | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.92 | -0.900  | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.92 | -1.900  | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.92 | -1.800  | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.92 | -2.400  | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.92 | -1.800  | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.92 | 1.000   | 0.0005  | -2.5 to 2.5 | Pass |
| 64QAM | 1857.5 | 75 | 0 | 20  | 3.6  | -17.700 | -0.0095 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.92 | 9.000   | 0.0048  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.53 | -7.400  | -0.0040 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.92 | 1.600   | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.92 | 3.500   | 0.0019  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.92 | -6.700  | -0.0036 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.92 | -0.300  | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.92 | -15.800 | -0.0085 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.92 | -4.500  | -0.0024 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.92 | -1.100  | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.92 | 10.900  | 0.0059  | -2.5 to 2.5 | Pass |
|       | 1880   | 75 | 0 | 20  | 3.6  | -14.800 | -0.0079 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.92 | -14.400 | -0.0077 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.53 | 5.900   | 0.0031  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.92 | 3.800   | 0.0020  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.92 | -2.300  | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.92 | -7.400  | -0.0039 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.92 | 6.400   | 0.0034  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.92 | -6.000  | -0.0032 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.92 | -1.200  | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.92 | -22.300 | -0.0119 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.92 | -13.100 | -0.0070 | -2.5 to 2.5 | Pass |
|       | 1902.5 | 75 | 0 | 20  | 3.6  | -26.400 | -0.0139 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.92 | -8.000  | -0.0042 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.53 | 6.900   | 0.0036  | -2.5 to 2.5 | Pass |

|  |  |  |  |     |      |        |         |             |      |
|--|--|--|--|-----|------|--------|---------|-------------|------|
|  |  |  |  | -30 | 3.92 | -9.400 | -0.0049 | -2.5 to 2.5 | Pass |
|  |  |  |  | -20 | 3.92 | -1.600 | -0.0008 | -2.5 to 2.5 | Pass |
|  |  |  |  | -10 | 3.92 | 14.100 | 0.0074  | -2.5 to 2.5 | Pass |
|  |  |  |  | 0   | 3.92 | 9.100  | 0.0048  | -2.5 to 2.5 | Pass |
|  |  |  |  | 10  | 3.92 | 5.700  | 0.0030  | -2.5 to 2.5 | Pass |
|  |  |  |  | 30  | 3.92 | 6.100  | 0.0032  | -2.5 to 2.5 | Pass |
|  |  |  |  | 40  | 3.92 | 13.500 | 0.0071  | -2.5 to 2.5 | Pass |
|  |  |  |  | 50  | 3.92 | -5.000 | -0.0026 | -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         | 3.6           | 0.000            | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.92          | -0.600           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.53          | 0.200            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.92          | -0.100           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.92          | -0.500           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.92          | -3.600           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.92          | -2.100           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.92          | -2.400           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.92          | -1.800           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.92          | -1.200           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.92          | -1.100           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            | 1880            | 100           | 0      | 20         | 3.6           | -0.400           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.92          | -0.300           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.53          | -2.100           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.92          | 0.800            | 0.0004                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.92          | -0.600           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.92          | -1.800           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.92          | -0.800           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.92          | -2.100           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.92          | -0.800           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.92          | -1.400           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.92          | -1.700           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            | 1900            | 100           | 0      | 20         | 3.6           | 0.000            | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.92          | -1.100           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.53          | 0.800            | 0.0004                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.92          | 0.700            | 0.0004                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.92          | -0.200           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.92          | -0.300           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.92          | 0.100            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.92          | -1.000           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.92          | 0.500            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.92          | 0.300            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.92          | -1.200           | -0.0006               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 1860            | 100           | 0      | 20         | 3.6           | -1.600           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.92          | -0.500           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.53          | 0.800            | 0.0004                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.92          | 2.400            | 0.0013                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.92          | -0.900           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.92          | -0.700           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.92          | 0.200            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.92          | -1.400           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.92          | -1.900           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.92          | -1.800           | -0.0010               | -2.5 to 2.5 | Pass    |

|       |      |     |   |     |      |         |         |             |      |
|-------|------|-----|---|-----|------|---------|---------|-------------|------|
|       | 1880 | 100 | 0 | 50  | 3.92 | 0.700   | 0.0004  | -2.5 to 2.5 | Pass |
|       |      |     |   | 20  | 3.6  | -0.300  | -0.0002 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.92 | -2.700  | -0.0014 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.53 | -1.800  | -0.0010 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.92 | -0.600  | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.92 | -0.500  | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.92 | -0.500  | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.92 | -2.300  | -0.0012 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.92 | 1.300   | 0.0007  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.92 | -1.900  | -0.0010 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.92 | 0.200   | 0.0001  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.92 | -1.100  | -0.0006 | -2.5 to 2.5 | Pass |
|       | 1900 | 100 | 0 | 20  | 3.6  | -0.700  | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.92 | -2.300  | -0.0012 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.53 | 0.500   | 0.0003  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.92 | 1.600   | 0.0008  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.92 | 1.600   | 0.0008  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.92 | -0.500  | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.92 | -0.500  | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.92 | -1.100  | -0.0006 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.92 | -0.700  | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.92 | -1.100  | -0.0006 | -2.5 to 2.5 | Pass |
| 64QAM | 1860 | 100 | 0 | 20  | 3.6  | 7.800   | 0.0042  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.92 | 6.100   | 0.0033  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.53 | 6.600   | 0.0035  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.92 | -5.100  | -0.0027 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.92 | -5.100  | -0.0027 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.92 | -3.100  | -0.0017 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.92 | -7.200  | -0.0039 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.92 | -15.800 | -0.0085 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.92 | 4.700   | 0.0025  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.92 | -5.900  | -0.0032 | -2.5 to 2.5 | Pass |
|       | 1880 | 100 | 0 | 20  | 3.6  | 3.900   | 0.0021  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.92 | -1.500  | -0.0008 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.53 | 2.000   | 0.0011  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.92 | 4.800   | 0.0026  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.92 | 4.800   | 0.0026  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.92 | 9.000   | 0.0048  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.92 | -7.300  | -0.0039 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.92 | 11.600  | 0.0062  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.92 | 3.900   | 0.0021  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.92 | 5.900   | 0.0031  | -2.5 to 2.5 | Pass |
|       | 1900 | 100 | 0 | 20  | 3.6  | -4.400  | -0.0023 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.92 | -0.700  | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.53 | -3.400  | -0.0018 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.92 | 7.100   | 0.0037  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.92 | 7.100   | 0.0037  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.92 | 3.000   | 0.0016  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.92 | -7.100  | -0.0037 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.92 | -2.800  | -0.0015 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.92 | -15.400 | -0.0081 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.92 | -21.200 | -0.0112 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.92 | -8.000  | -0.0042 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.92 | 8.600   | 0.0045  | -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      | 1.117                        | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.128                        | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.124                        | /     | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.122                        | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.132                        | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.138                        | /     | Pass    |
|                 | 64QAM      | 1850.7          | 6             | 0      | 1.127                        | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.124                        | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.125                        | /     | Pass    |
| 3               | QPSK       | 1851.5          | 15            | 0      | 2.744                        | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 2.743                        | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.754                        | /     | Pass    |
|                 | 16QAM      | 1851.5          | 15            | 0      | 2.739                        | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 2.743                        | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.750                        | /     | Pass    |
|                 | 64QAM      | 1851.5          | 15            | 0      | 2.745                        | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 2.746                        | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 2.737                        | /     | Pass    |
| 5               | QPSK       | 1852.5          | 25            | 0      | 4.569                        | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 4.579                        | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.570                        | /     | Pass    |
|                 | 16QAM      | 1852.5          | 25            | 0      | 4.559                        | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 4.546                        | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.547                        | /     | Pass    |
|                 | 64QAM      | 1852.5          | 25            | 0      | 4.558                        | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 4.553                        | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 4.562                        | /     | Pass    |
| 10              | QPSK       | 1855            | 50            | 0      | 9.087                        | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.107                        | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 9.091                        | /     | Pass    |
|                 | 16QAM      | 1855            | 50            | 0      | 9.081                        | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.083                        | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 9.083                        | /     | Pass    |
|                 | 64QAM      | 1855            | 50            | 0      | 9.108                        | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 9.104                        | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 9.121                        | /     | Pass    |
| 15              | QPSK       | 1857.5          | 75            | 0      | 13.634                       | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 13.617                       | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.637                       | /     | Pass    |
|                 | 16QAM      | 1857.5          | 75            | 0      | 13.677                       | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 13.620                       | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.606                       | /     | Pass    |
|                 | 64QAM      | 1857.5          | 75            | 0      | 13.639                       | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 13.667                       | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 13.622                       | /     | Pass    |
| 20              | QPSK       | 1860            | 100           | 0      | 18.099                       | /     | Pass    |
|                 |            | 1880            | 100           | 0      | 18.195                       | /     | Pass    |
|                 |            | 1900            | 100           | 0      | 18.161                       | /     | Pass    |
|                 | 16QAM      | 1860            | 100           | 0      | 18.155                       | /     | Pass    |

|  |       |      |     |   |        |   |      |
|--|-------|------|-----|---|--------|---|------|
|  |       | 1880 | 100 | 0 | 18.147 | / | Pass |
|  |       | 1900 | 100 | 0 | 18.131 | / | Pass |
|  | 64QAM | 1860 | 100 | 0 | 18.185 | / | Pass |
|  |       | 1880 | 100 | 0 | 18.159 | / | Pass |
|  |       | 1900 | 100 | 0 | 18.143 | / | Pass |

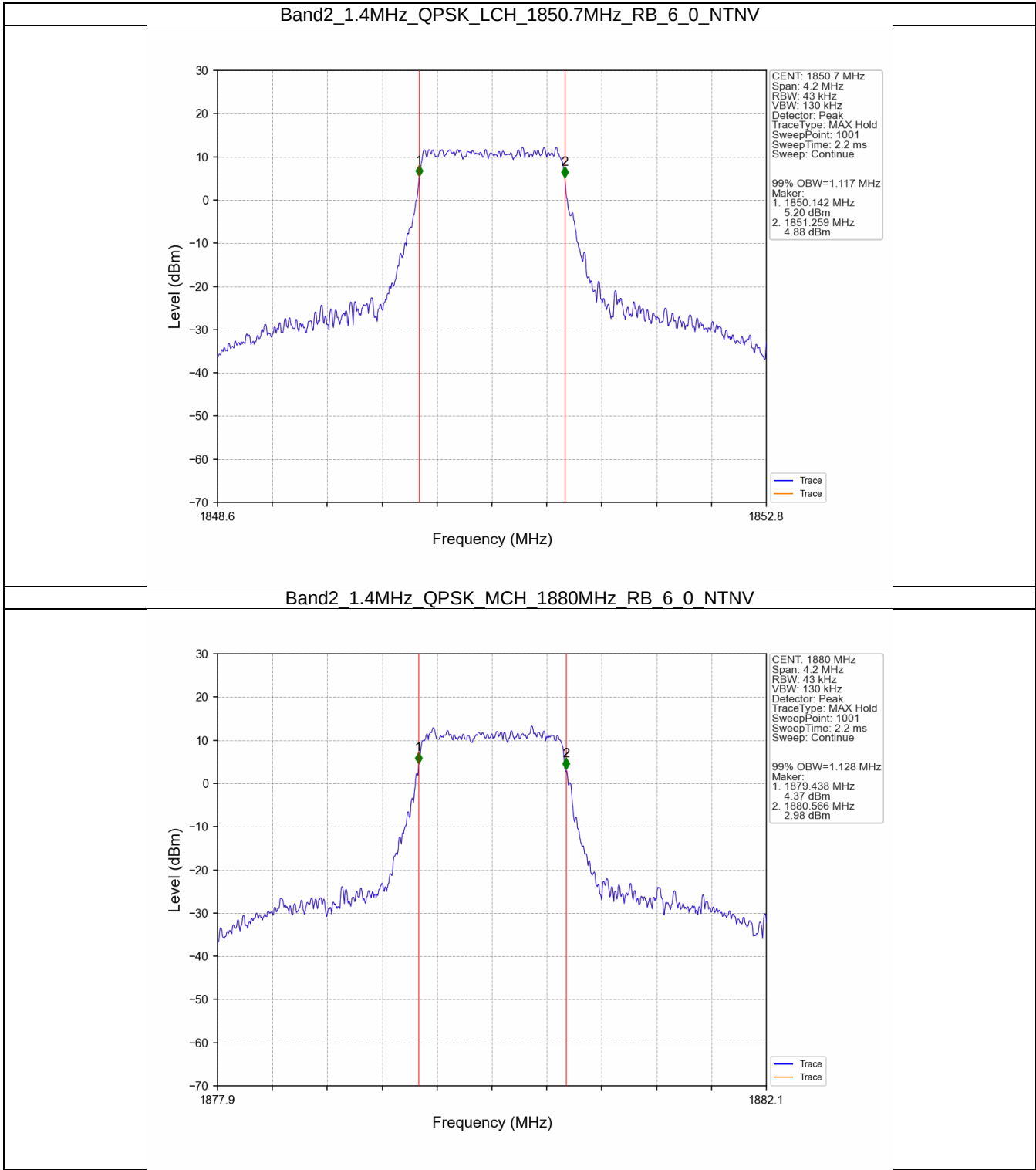
### 3.1.2 Band2\_XDB

| Band: 2 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 1850.7          | 6             | 0      | 1.426                | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.385                | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.379                | /     | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.394                | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.414                | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.426                | /     | Pass    |
|                 | 64QAM      | 1850.7          | 6             | 0      | 1.380                | /     | Pass    |
|                 |            | 1880            | 6             | 0      | 1.391                | /     | Pass    |
|                 |            | 1909.3          | 6             | 0      | 1.392                | /     | Pass    |
| 3               | QPSK       | 1851.5          | 15            | 0      | 3.149                | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 3.125                | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 3.125                | /     | Pass    |
|                 | 16QAM      | 1851.5          | 15            | 0      | 3.071                | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 3.152                | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 3.096                | /     | Pass    |
|                 | 64QAM      | 1851.5          | 15            | 0      | 3.107                | /     | Pass    |
|                 |            | 1880            | 15            | 0      | 3.097                | /     | Pass    |
|                 |            | 1908.5          | 15            | 0      | 3.118                | /     | Pass    |
| 5               | QPSK       | 1852.5          | 25            | 0      | 5.115                | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 5.272                | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 5.235                | /     | Pass    |
|                 | 16QAM      | 1852.5          | 25            | 0      | 5.208                | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 5.216                | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 5.204                | /     | Pass    |
|                 | 64QAM      | 1852.5          | 25            | 0      | 5.221                | /     | Pass    |
|                 |            | 1880            | 25            | 0      | 5.236                | /     | Pass    |
|                 |            | 1907.5          | 25            | 0      | 5.224                | /     | Pass    |
| 10              | QPSK       | 1855            | 50            | 0      | 10.217               | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 10.282               | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 10.286               | /     | Pass    |
|                 | 16QAM      | 1855            | 50            | 0      | 10.126               | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 10.285               | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 10.243               | /     | Pass    |
|                 | 64QAM      | 1855            | 50            | 0      | 10.209               | /     | Pass    |
|                 |            | 1880            | 50            | 0      | 10.256               | /     | Pass    |
|                 |            | 1905            | 50            | 0      | 10.148               | /     | Pass    |
| 15              | QPSK       | 1857.5          | 75            | 0      | 15.295               | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 15.169               | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 15.174               | /     | Pass    |
|                 | 16QAM      | 1857.5          | 75            | 0      | 15.166               | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 15.220               | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 15.111               | /     | Pass    |
|                 | 64QAM      | 1857.5          | 75            | 0      | 15.203               | /     | Pass    |
|                 |            | 1880            | 75            | 0      | 15.185               | /     | Pass    |
|                 |            | 1902.5          | 75            | 0      | 15.082               | /     | Pass    |
| 20              | QPSK       | 1860            | 100           | 0      | 20.079               | /     | Pass    |

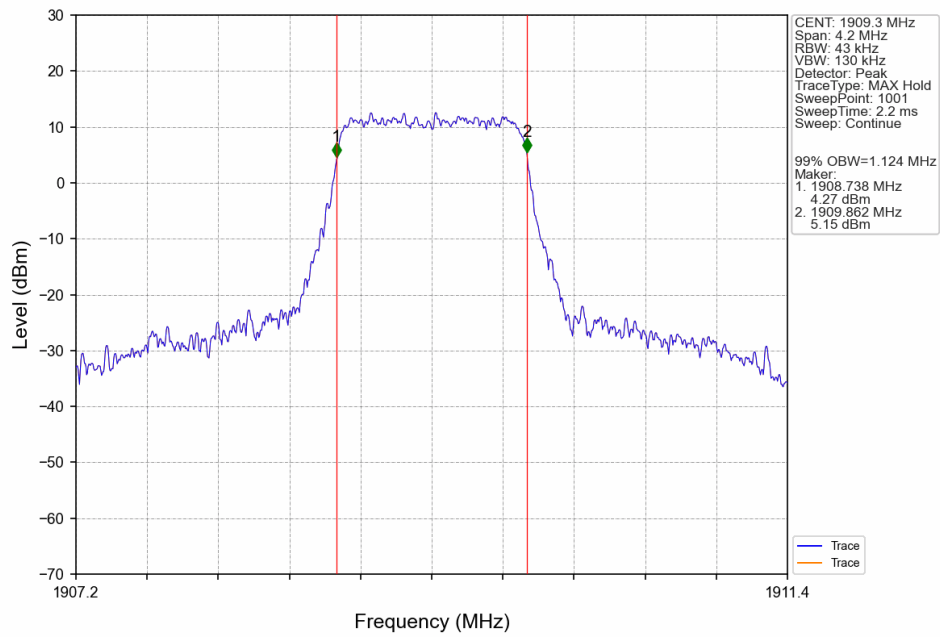
|  |       |      |     |   |        |   |      |
|--|-------|------|-----|---|--------|---|------|
|  |       | 1880 | 100 | 0 | 20.072 | / | Pass |
|  |       | 1900 | 100 | 0 | 20.113 | / | Pass |
|  | 16QAM | 1860 | 100 | 0 | 20.038 | / | Pass |
|  |       | 1880 | 100 | 0 | 20.310 | / | Pass |
|  |       | 1900 | 100 | 0 | 20.103 | / | Pass |
|  | 64QAM | 1860 | 100 | 0 | 20.134 | / | Pass |
|  |       | 1880 | 100 | 0 | 20.018 | / | Pass |
|  |       | 1900 | 100 | 0 | 19.946 | / | Pass |

### 3.2 Test Graph

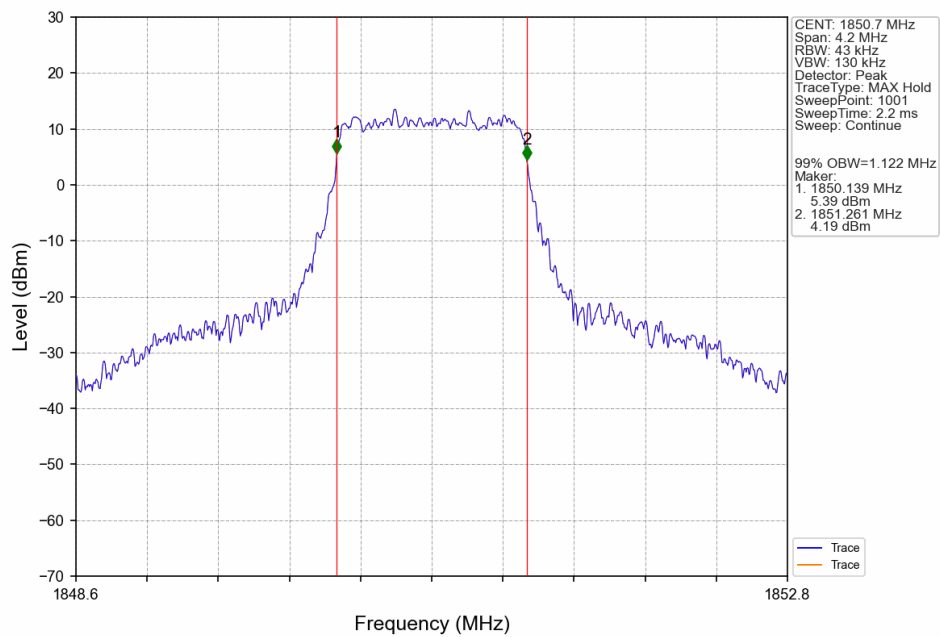
#### 3.2.1 Band2\_OBW



Band2 1.4MHz QPSK HCH 1909.3MHz RB 6 0 NTNV

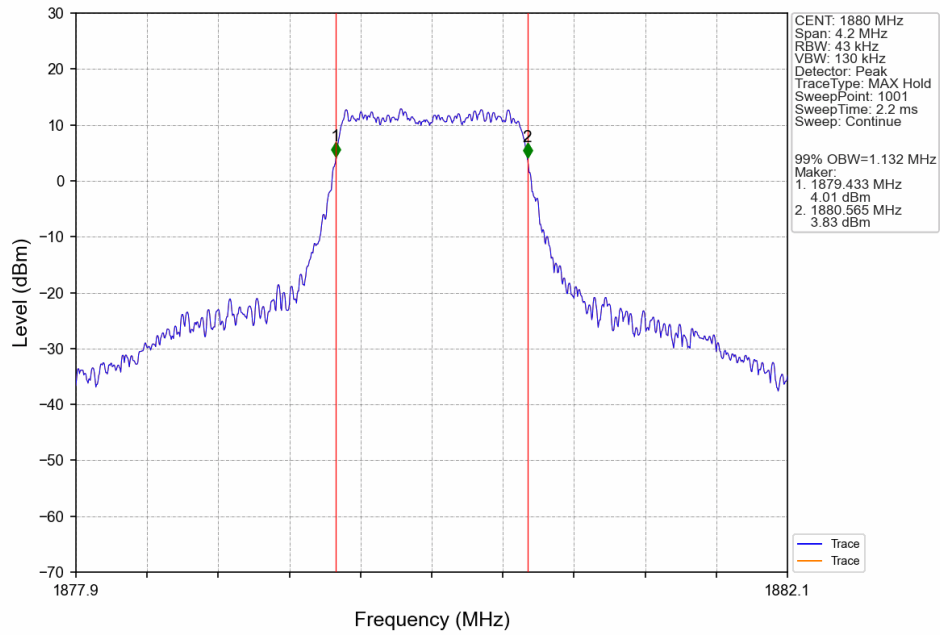


Band2 1.4MHz 16QAM LCH 1850.7MHz RB 6 0 NTNV

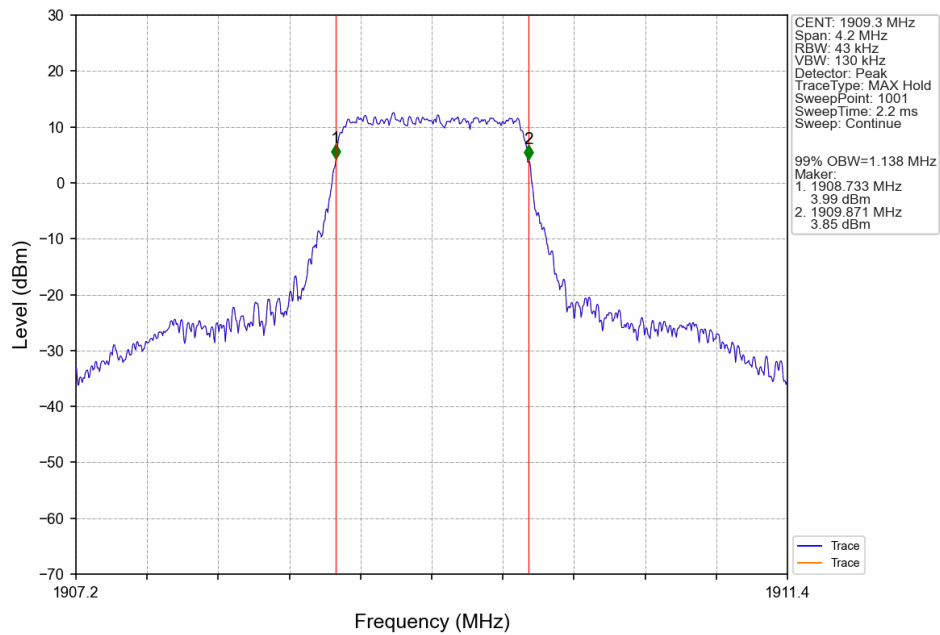




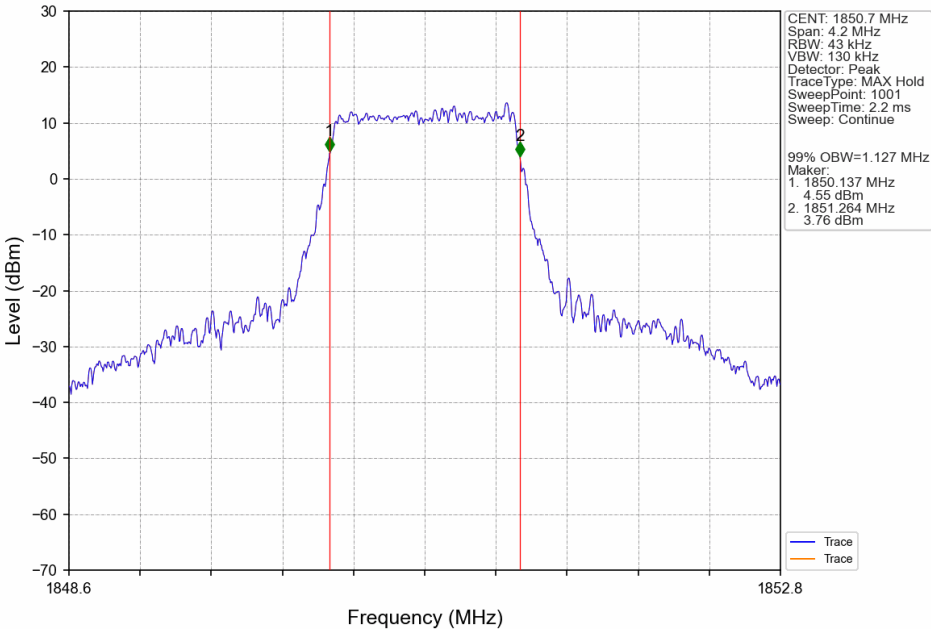
Band2 1.4MHz 16QAM MCH 1880MHz RB 6 0 NTNV



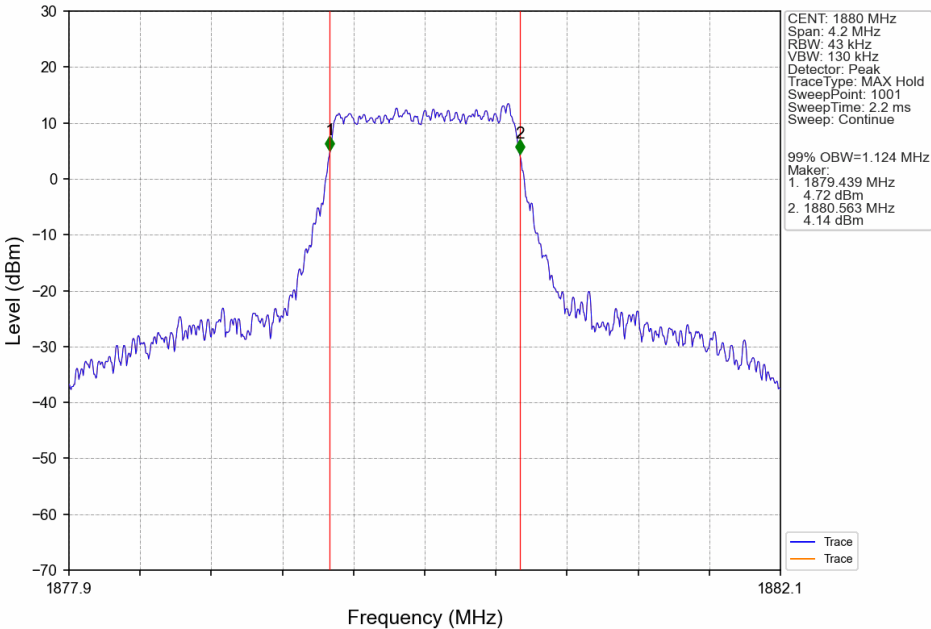
Band2 1.4MHz 16QAM HCH 1909.3MHz RB 6 0 NTNV



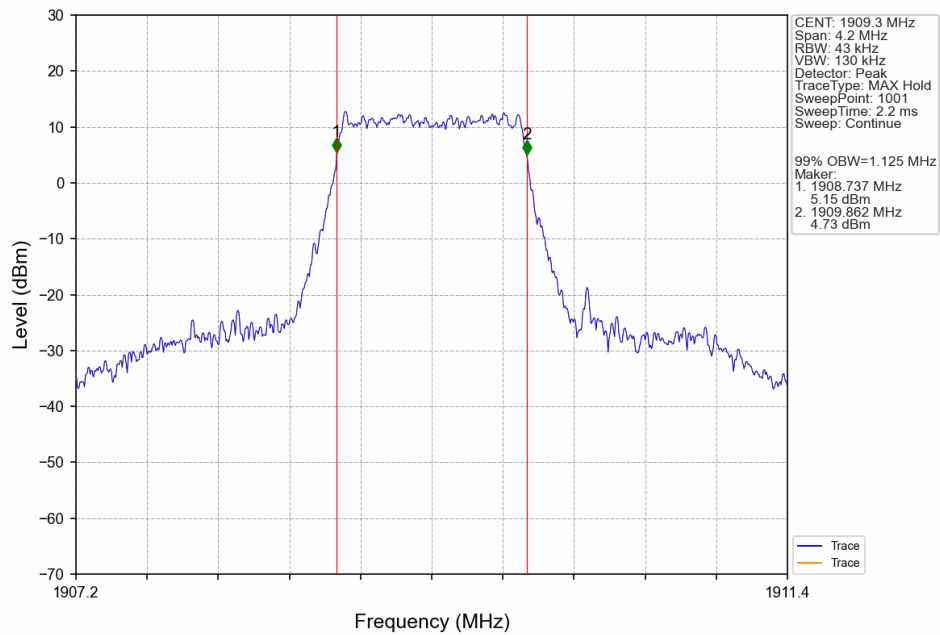
Band2 1.4MHz 64QAM LCH 1850.7MHz RB 6 0 NTNV



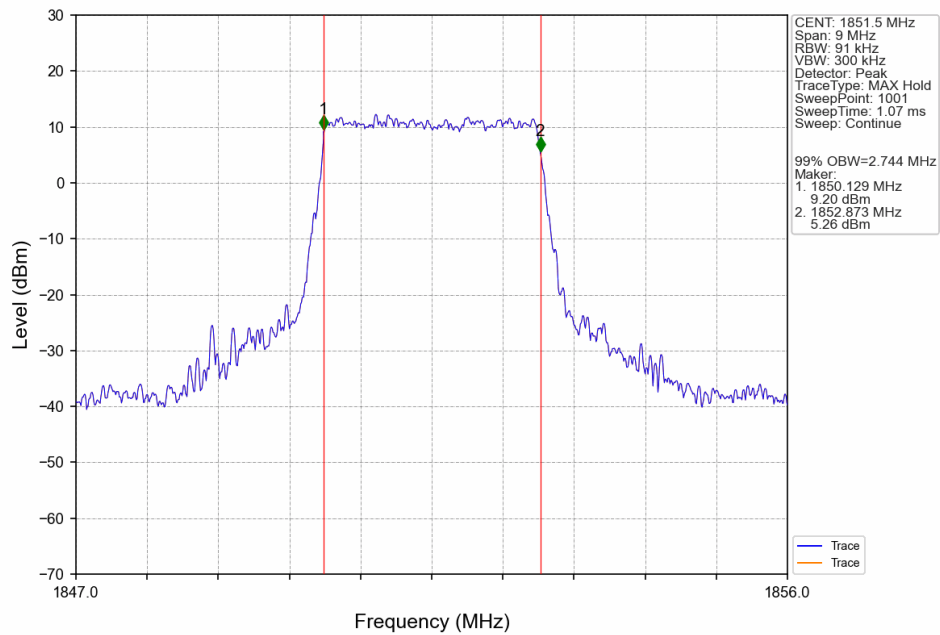
Band2 1.4MHz 64QAM MCH 1880MHz RB 6 0 NTNV



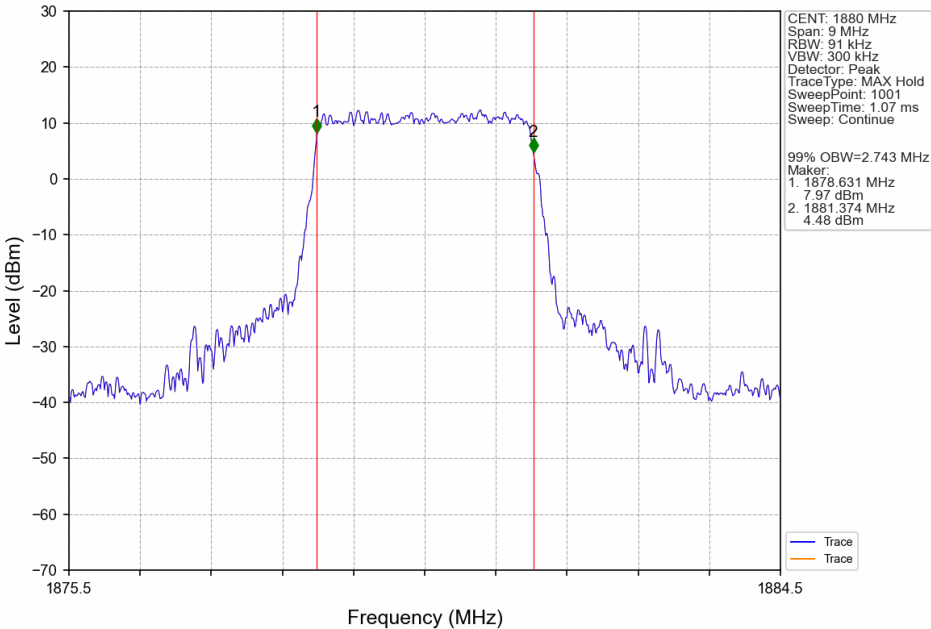
Band2 1.4MHz 64QAM HCH 1909.3MHz RB 6 0 NTN



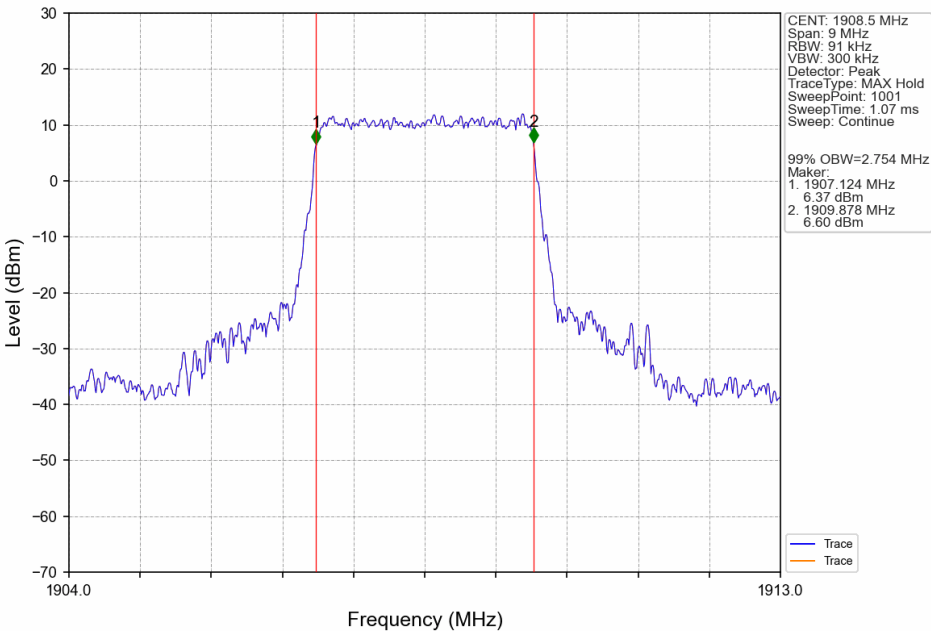
Band2 3MHz QPSK LCH 1851.5MHz RB 15 0 NTN



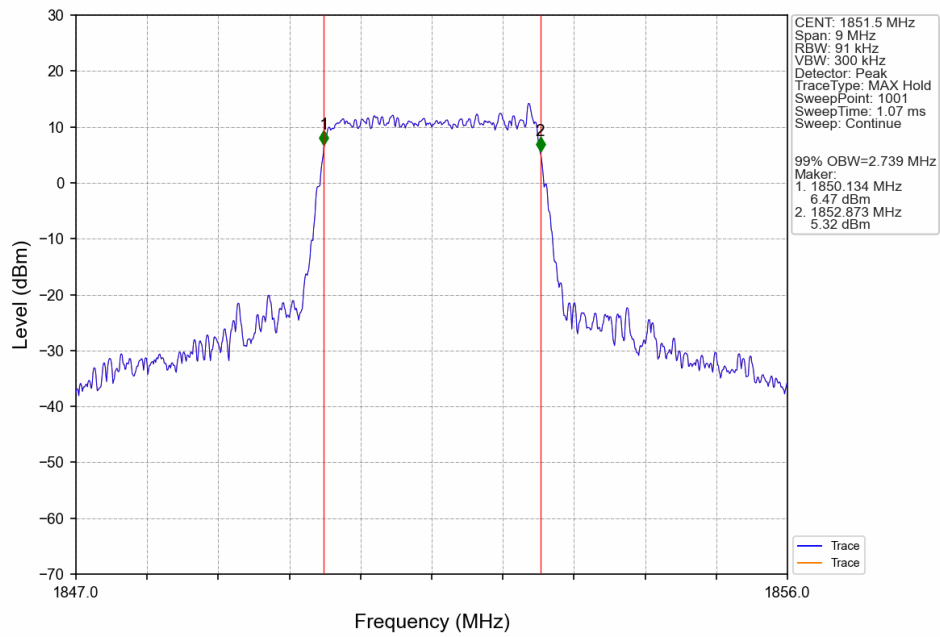
Band2 3MHz QPSK MCH 1880MHz RB 15 0 NTNV



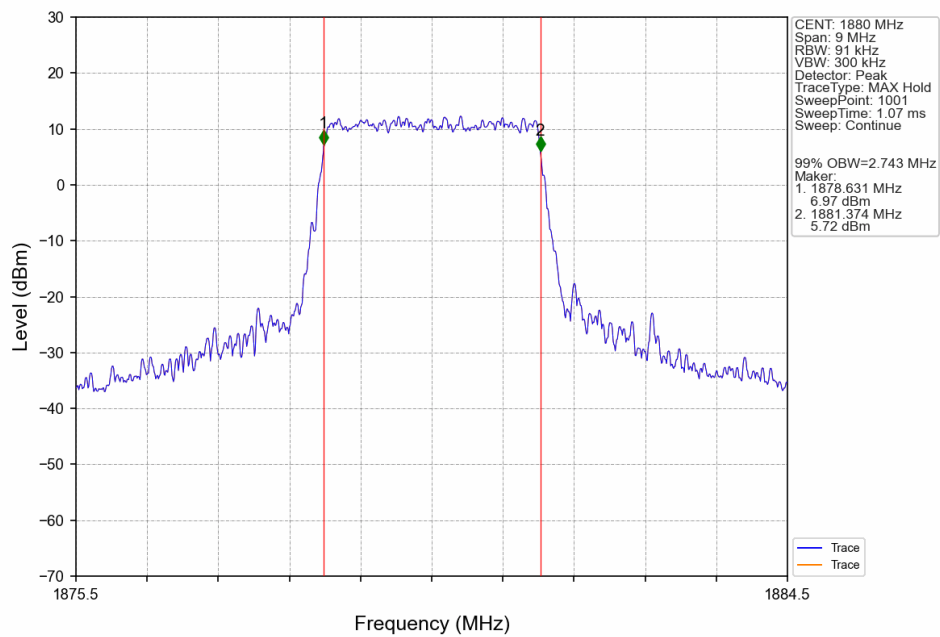
Band2 3MHz QPSK HCH 1908.5MHz RB 15 0 NTNV



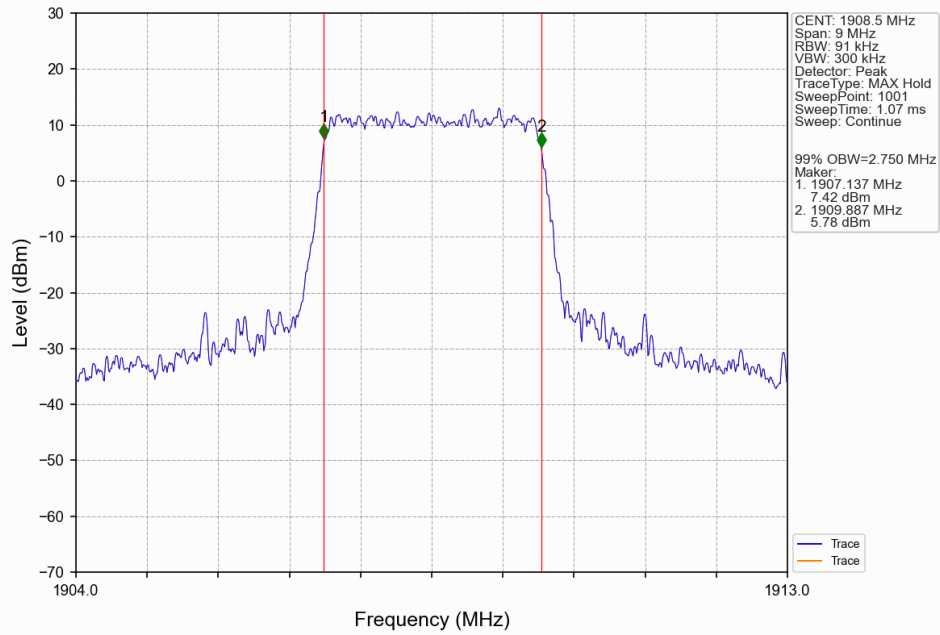
Band2 3MHz 16QAM LCH 1851.5MHz RB 15 0 NTNV



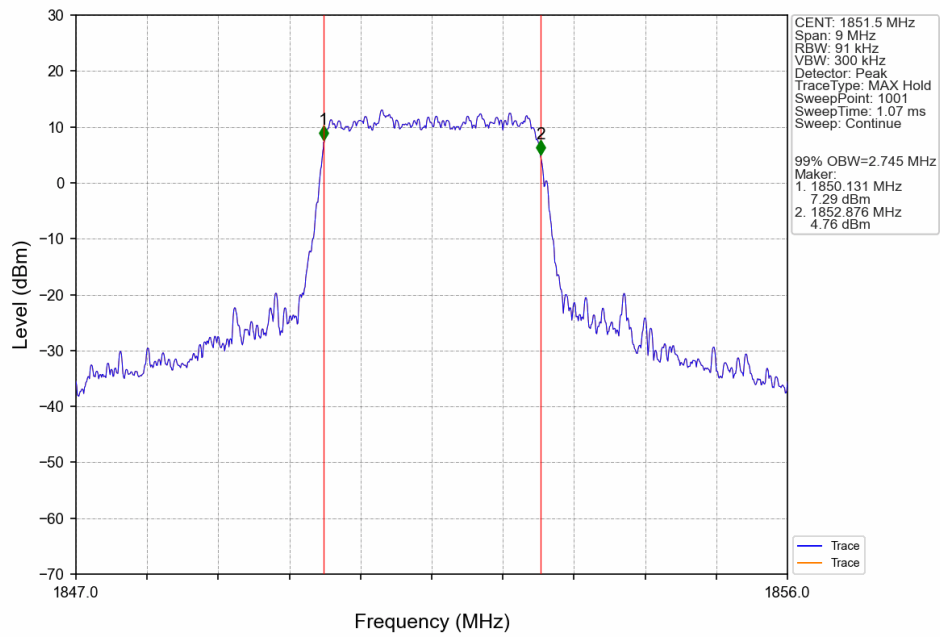
Band2 3MHz 16QAM MCH 1880MHz RB 15 0 NTNV



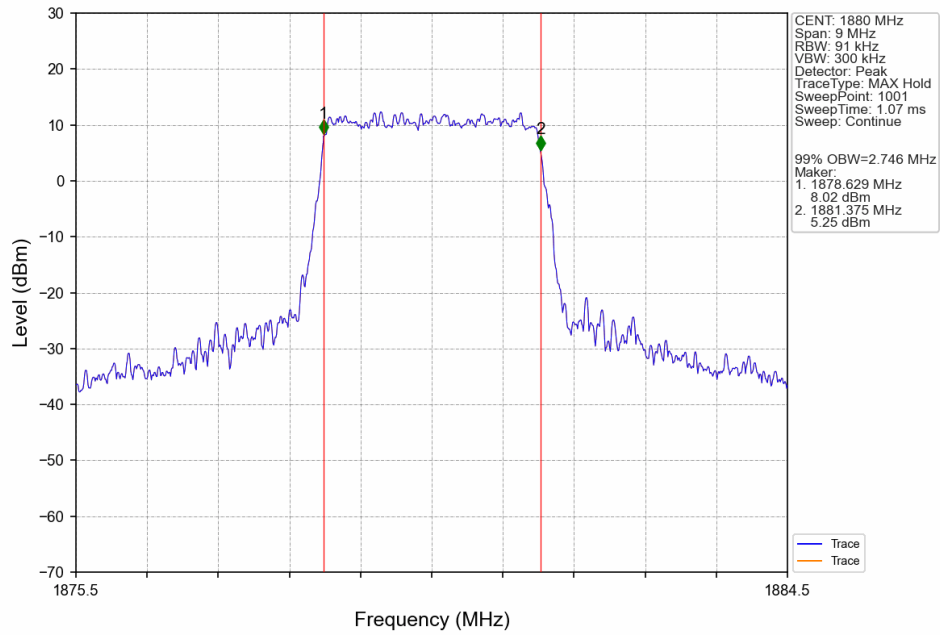
Band2 3MHz 16QAM HCH 1908.5MHz RB 15 0 NTNV



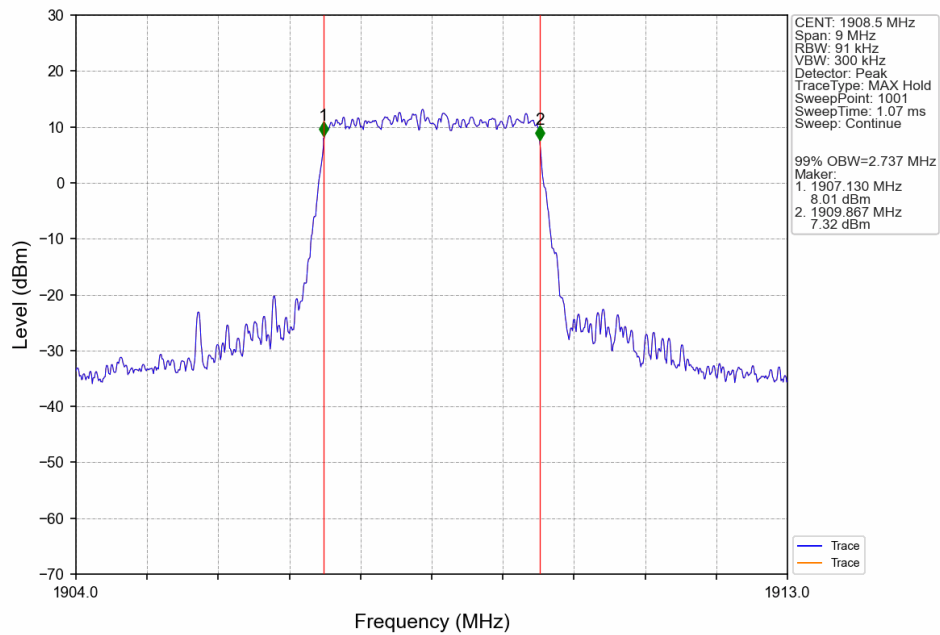
Band2 3MHz 64QAM LCH 1851.5MHz RB 15 0 NTNV



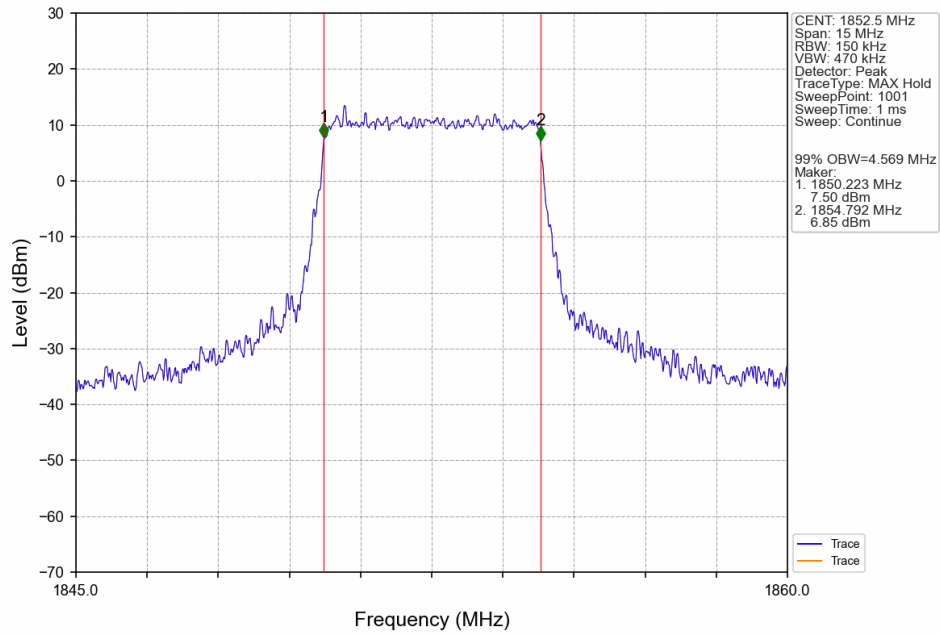
Band2 3MHz 64QAM MCH 1880MHz RB 15 0 NTV



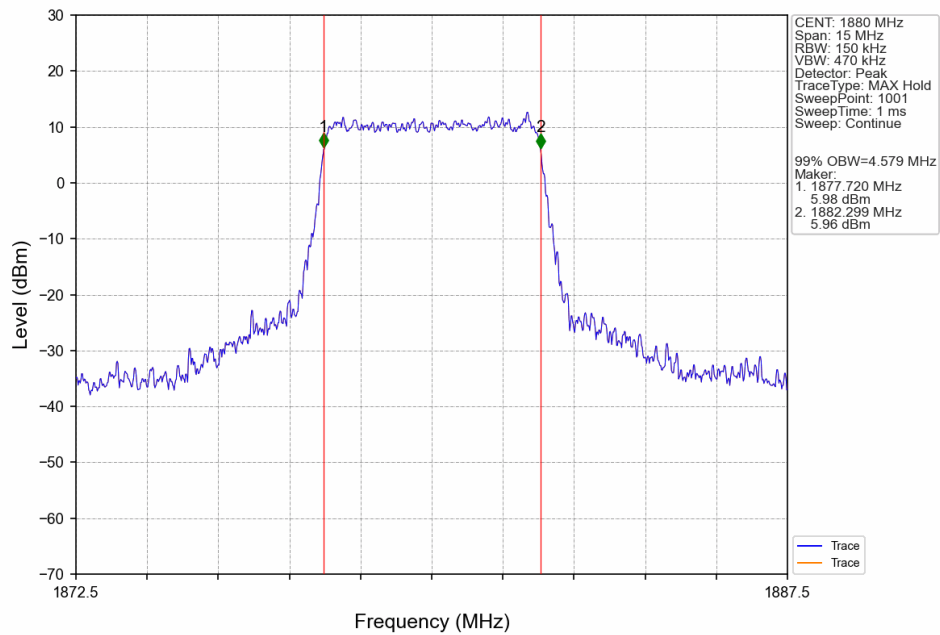
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Band2 5MHz QPSK LCH 1852.5MHz RB 25 0 NTNV

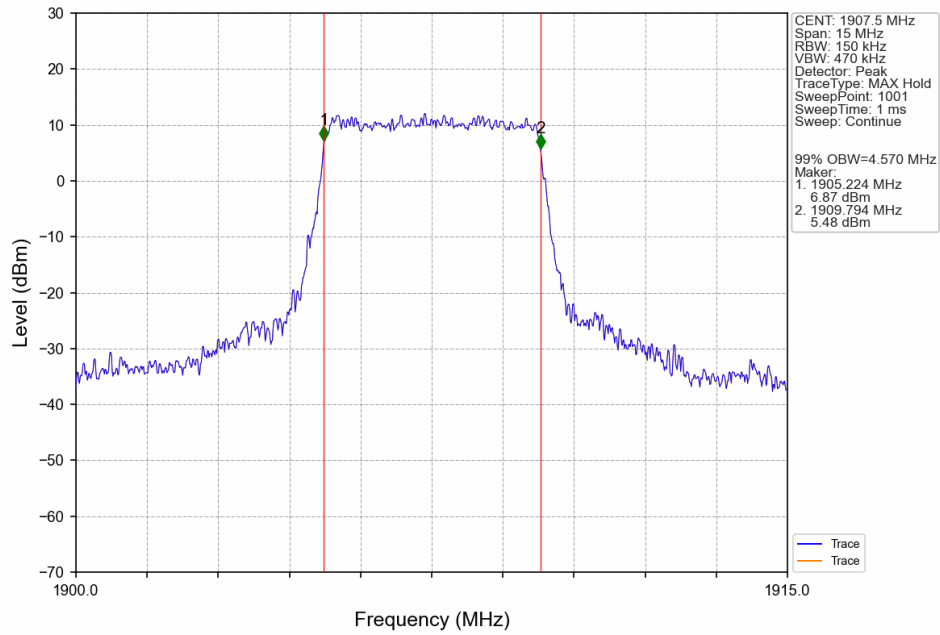


Band2 5MHz QPSK MCH 1880MHz RB 25 0 NTNV

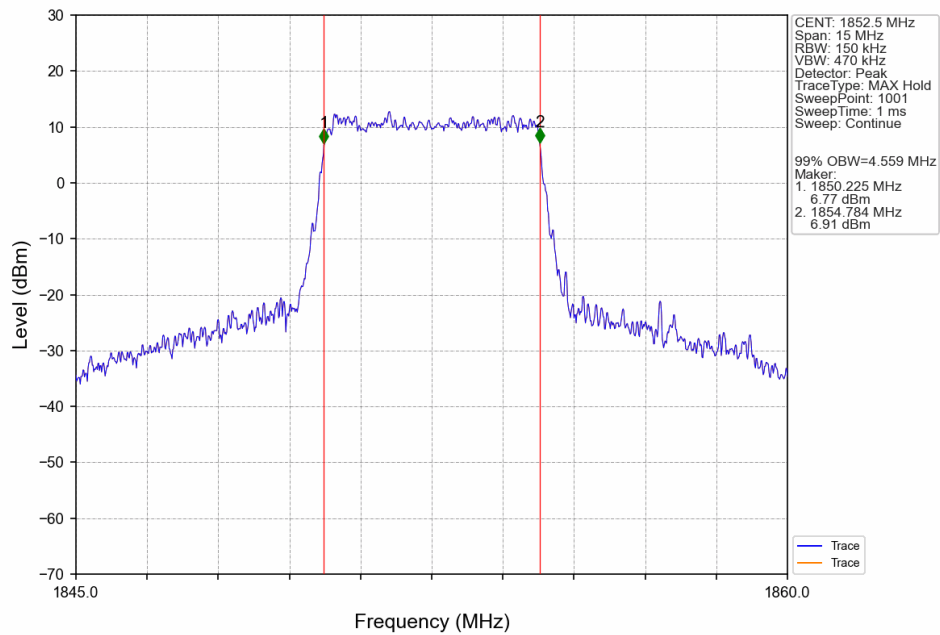




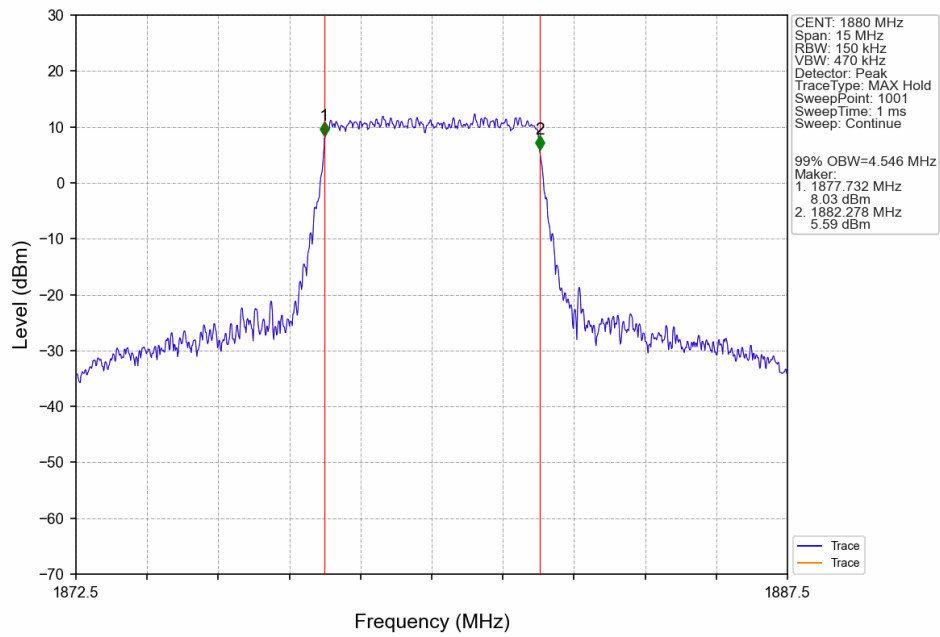
Band2 5MHz QPSK HCH 1907.5MHz RB 25 0 NTNV



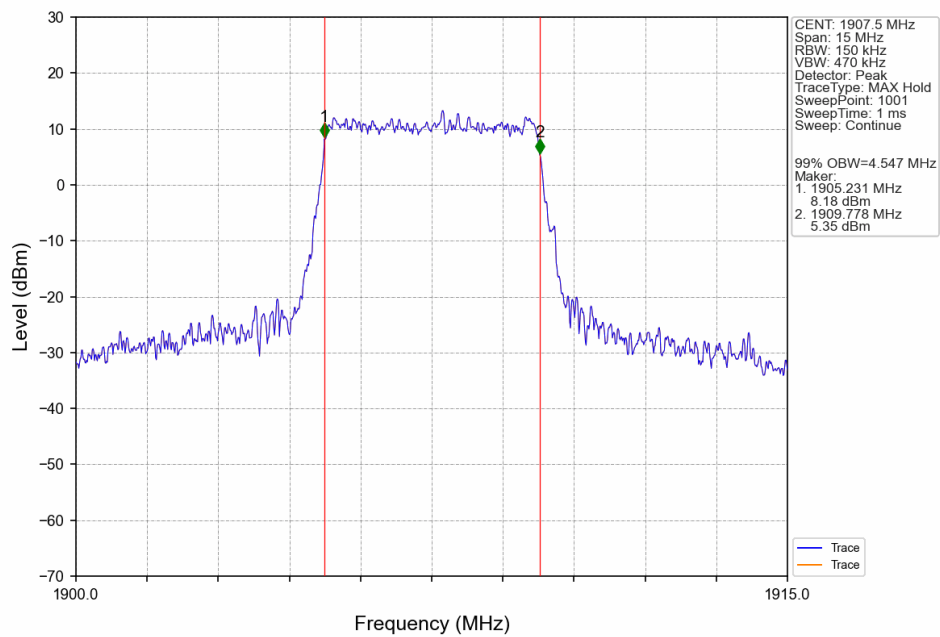
Band2 5MHz 16QAM LCH 1852.5MHz RB 25 0 NTNV



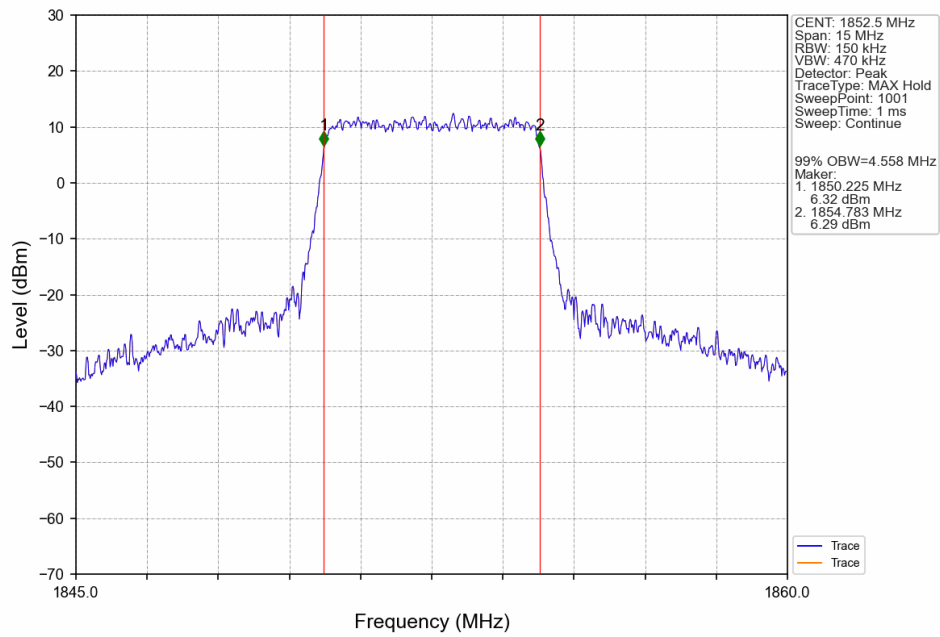
Band2 5MHz 16QAM MCH 1880MHz RB 25 0 NTNV



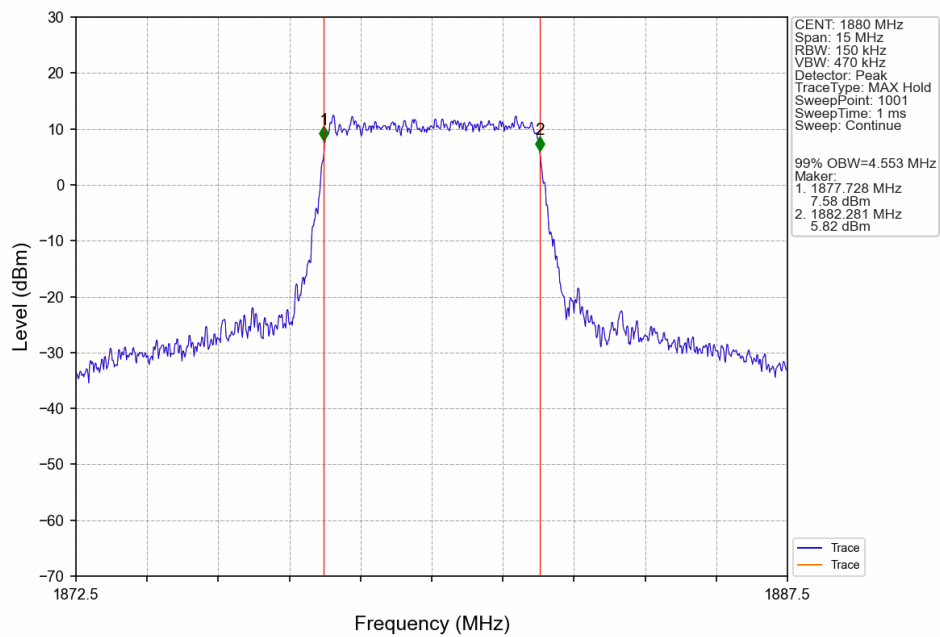
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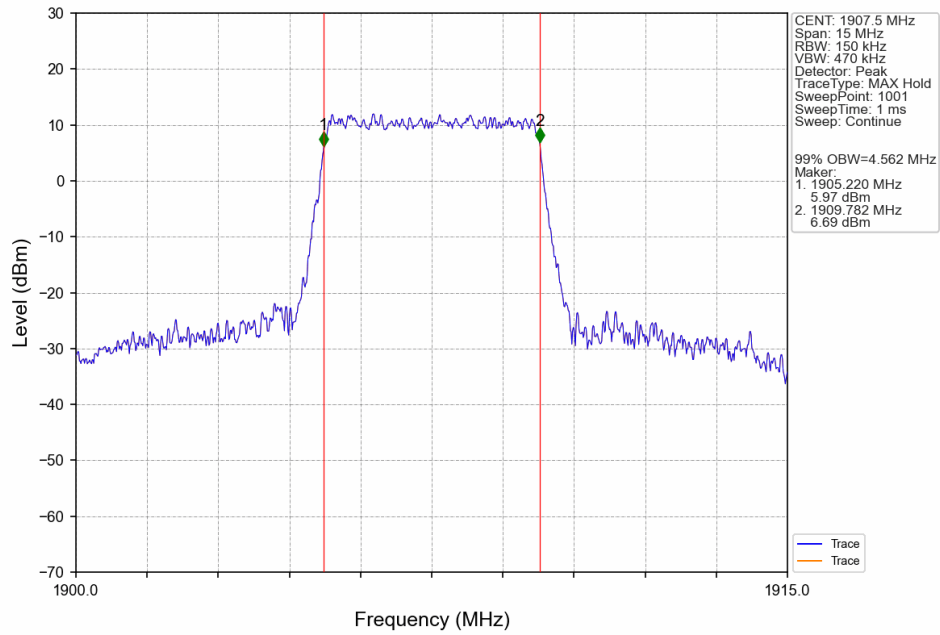
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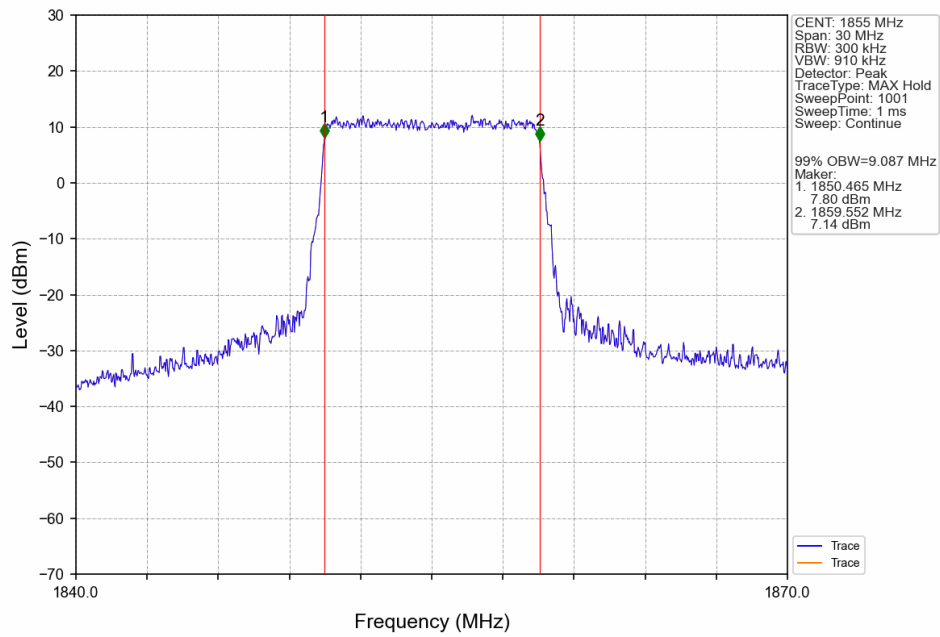
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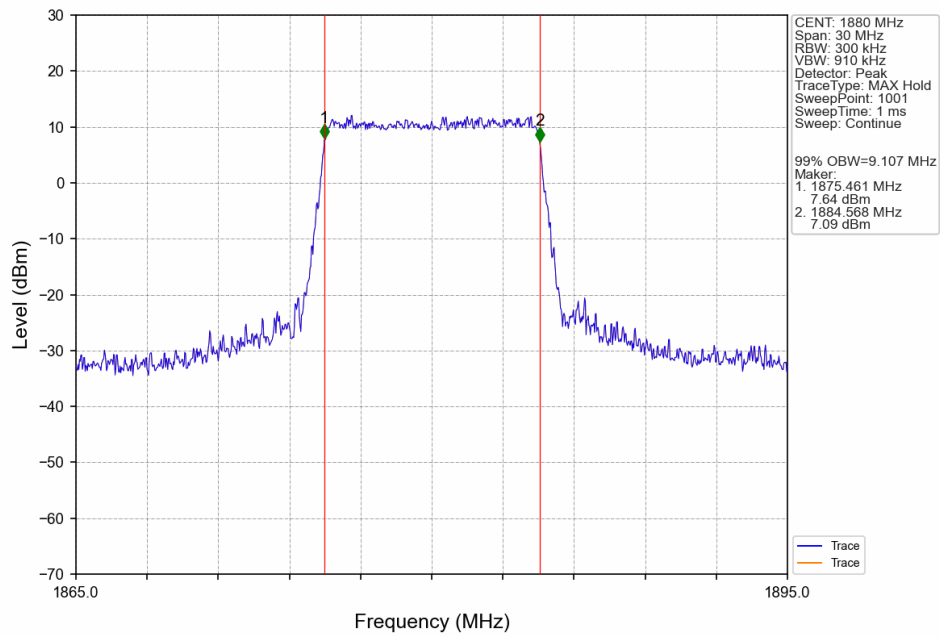
Band2 5MHz 64QAM HCH 1907.5MHz RB 25 0 NTN



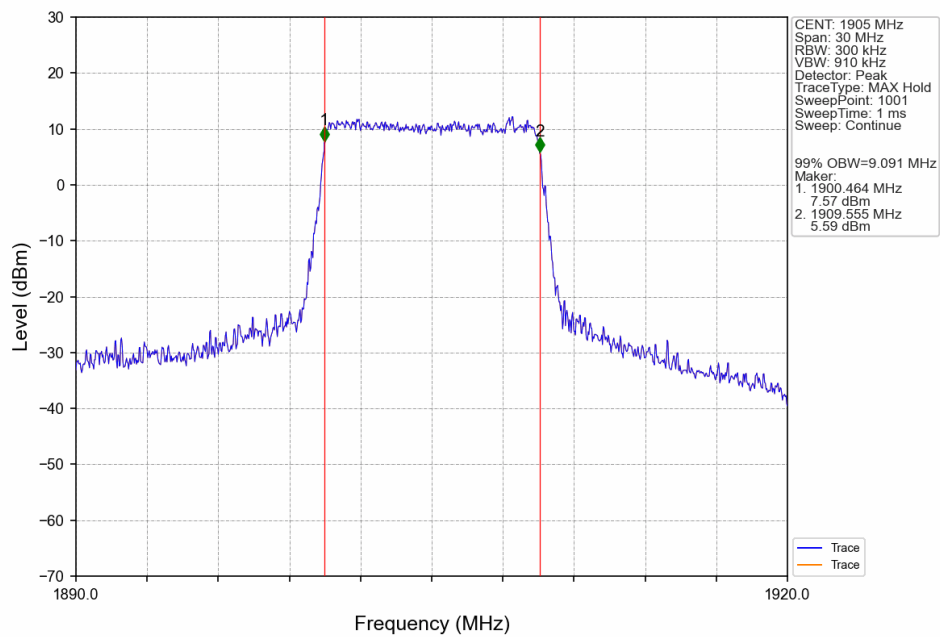
Band2 10MHz QPSK LCH 1855MHz RB 50 0 NTN



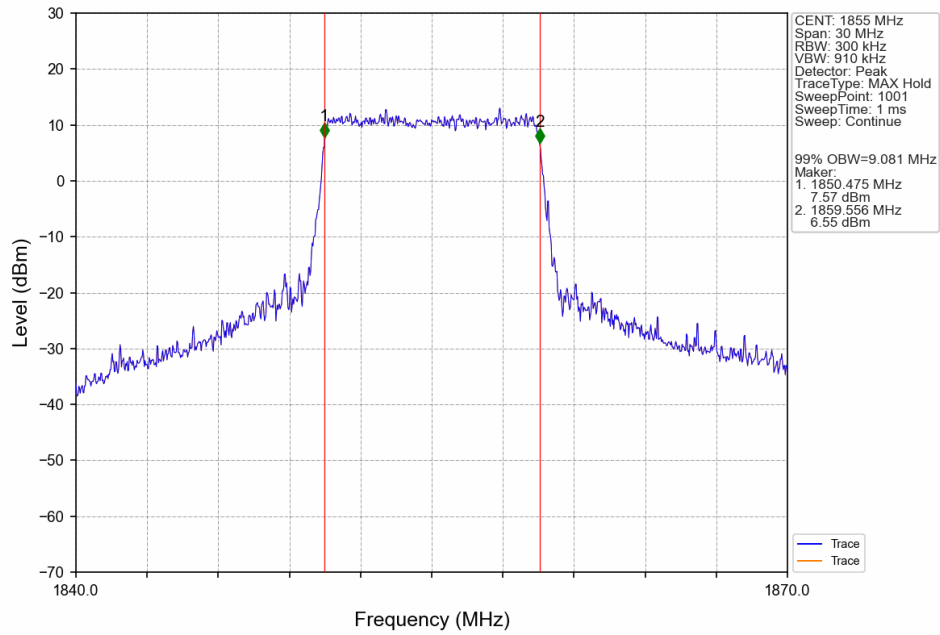
# Band2 10MHz QPSK MCH 1880MHz RB 50 0 NTN



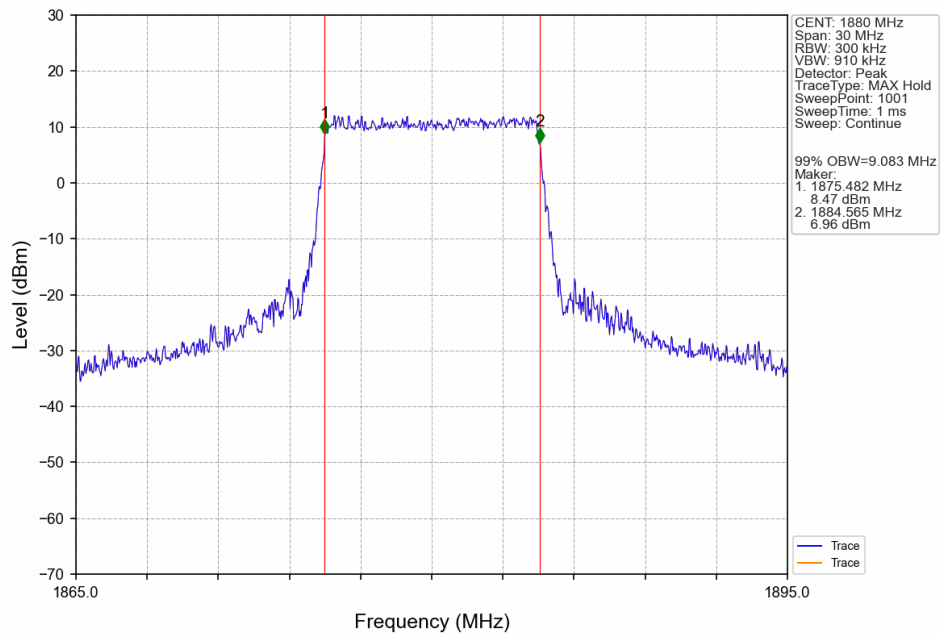
# Band2 10MHz QPSK HCH 1905MHz RB 50 0 NTN



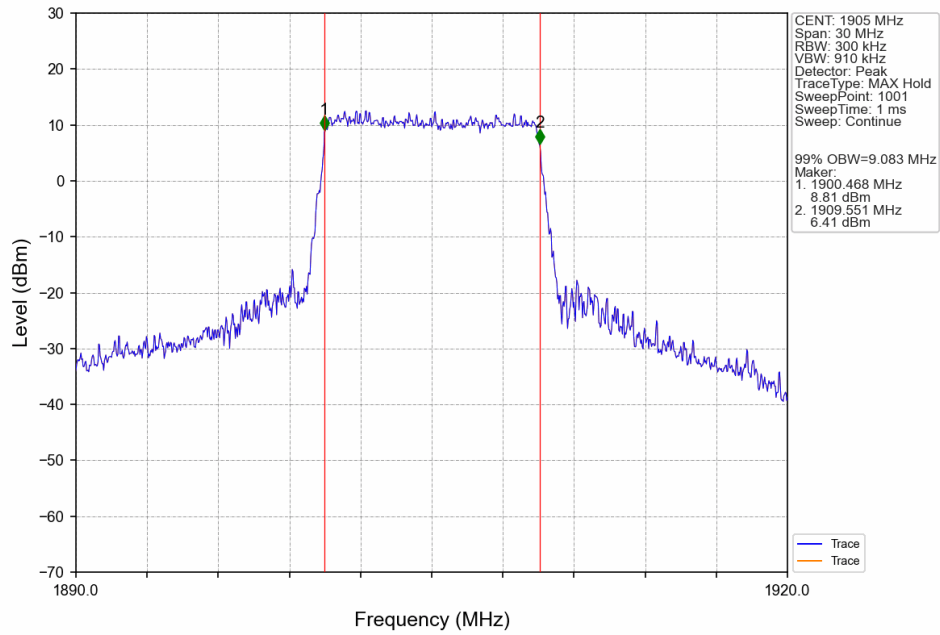
Band2 10MHz 16QAM LCH 1855MHz RB 50 0 NTNV



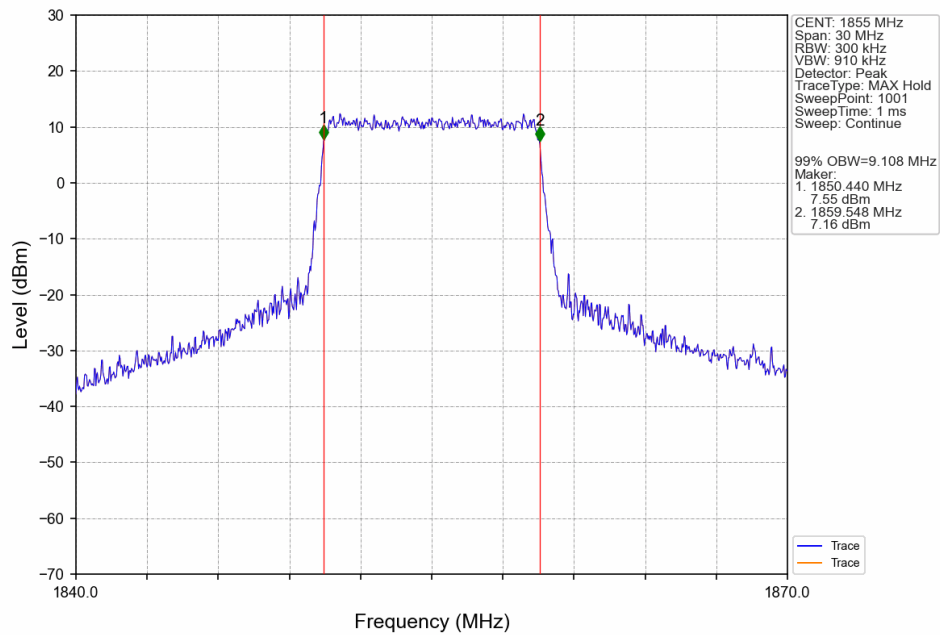
Band2 10MHz 16QAM MCH 1880MHz RB 50 0 NTNV



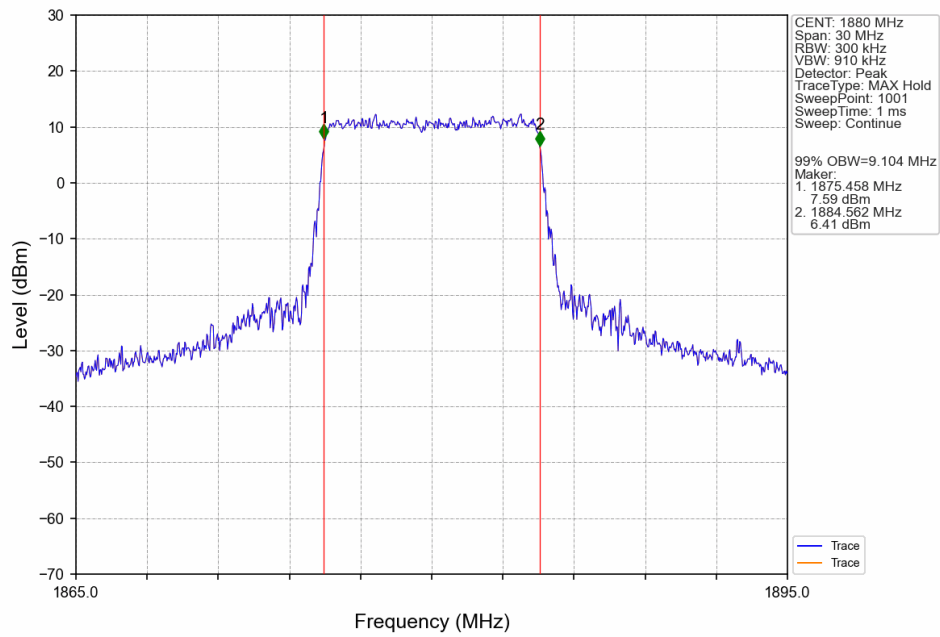
Band2 10MHz 16QAM HCH 1905MHz RB 50 0 NTNV



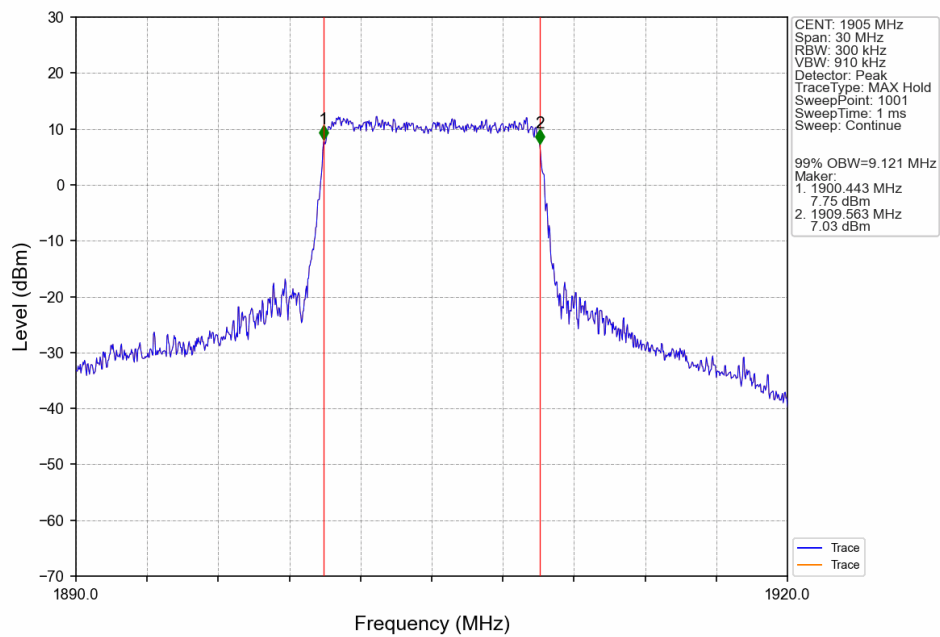
Band2 10MHz 64QAM LCH 1855MHz RB 50 0 NTNV



Band2 10MHz 64QAM MCH 1880MHz RB 50 0 NTNV

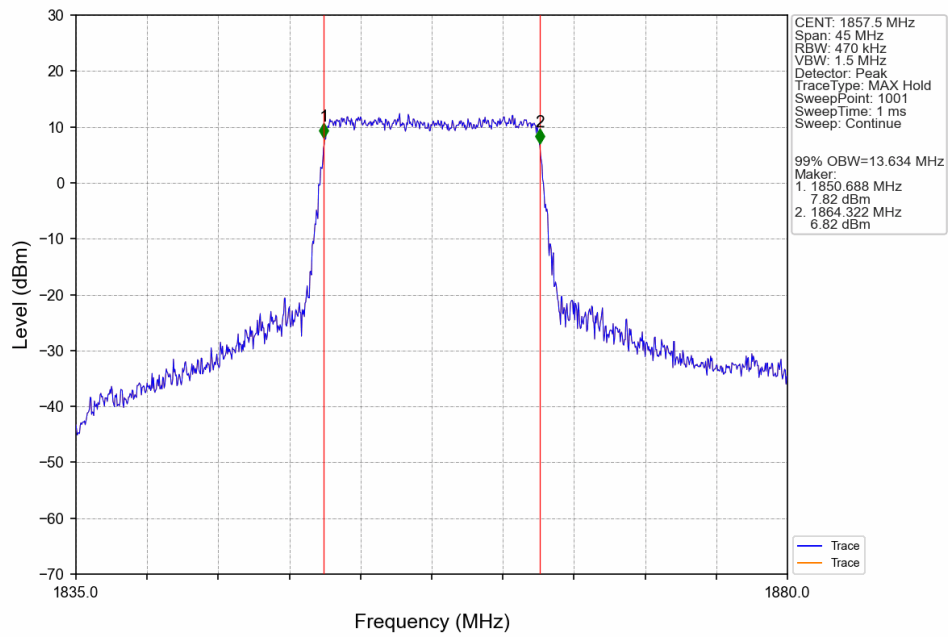


Band2 10MHz 64QAM HCH 1905MHz RB 50 0 NTNV

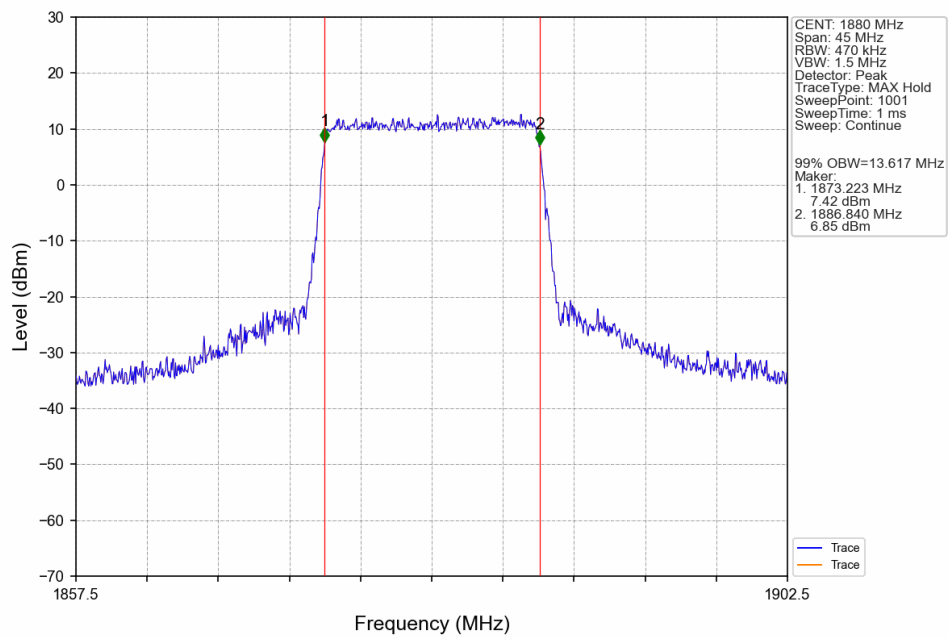




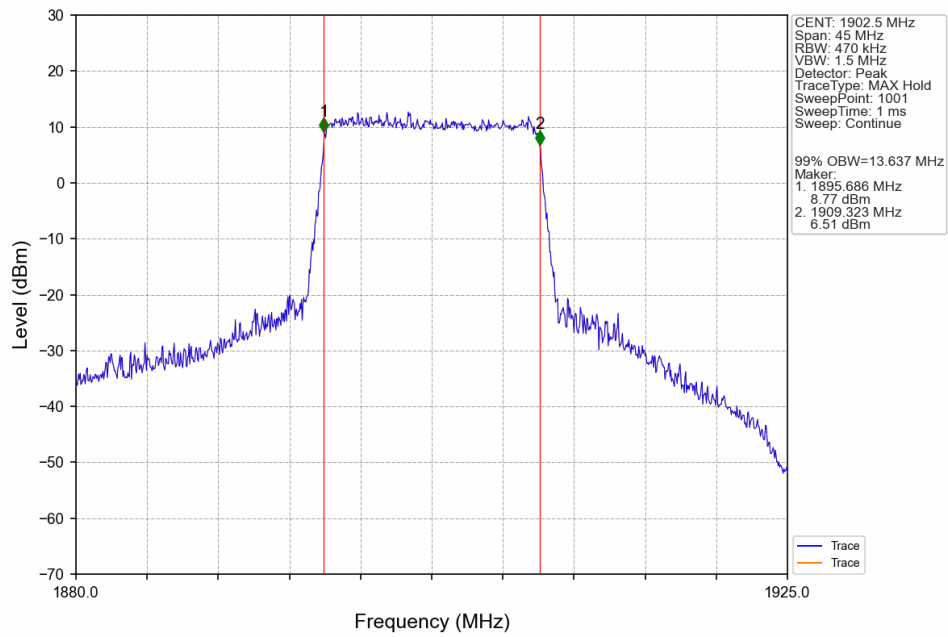
# Band2 15MHz QPSK LCH 1857.5MHz RB 75 0 NTNV



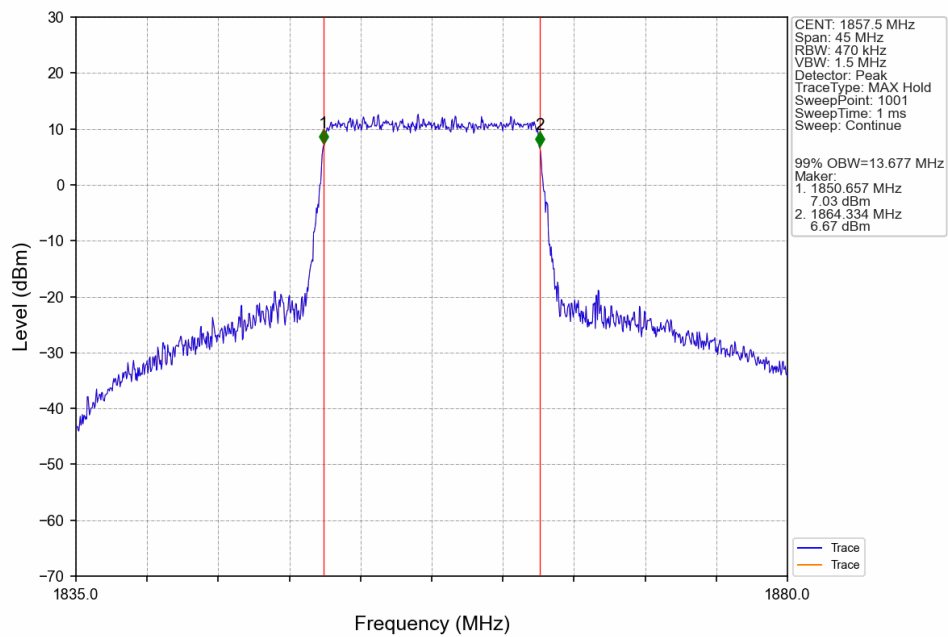
# Band2 15MHz QPSK MCH 1880MHz RB 75 0 NTNV



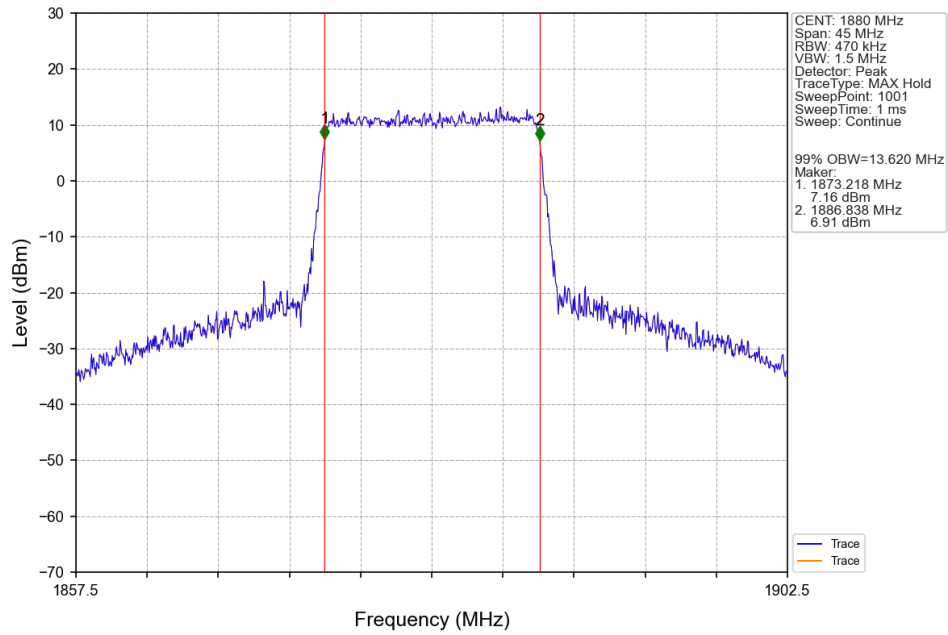
Band2 15MHz QPSK HCH 1902.5MHz RB 75 0 NTNV



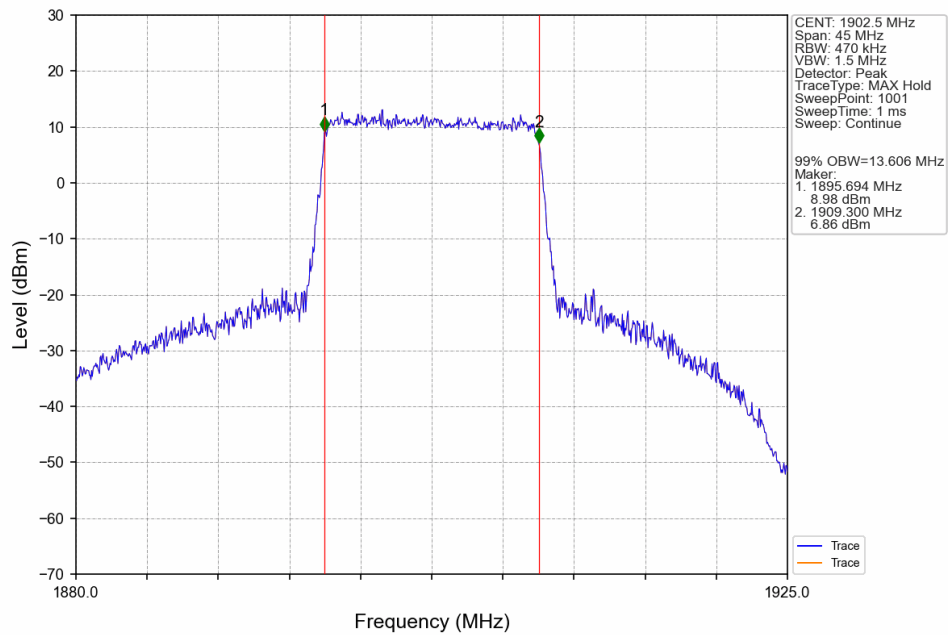
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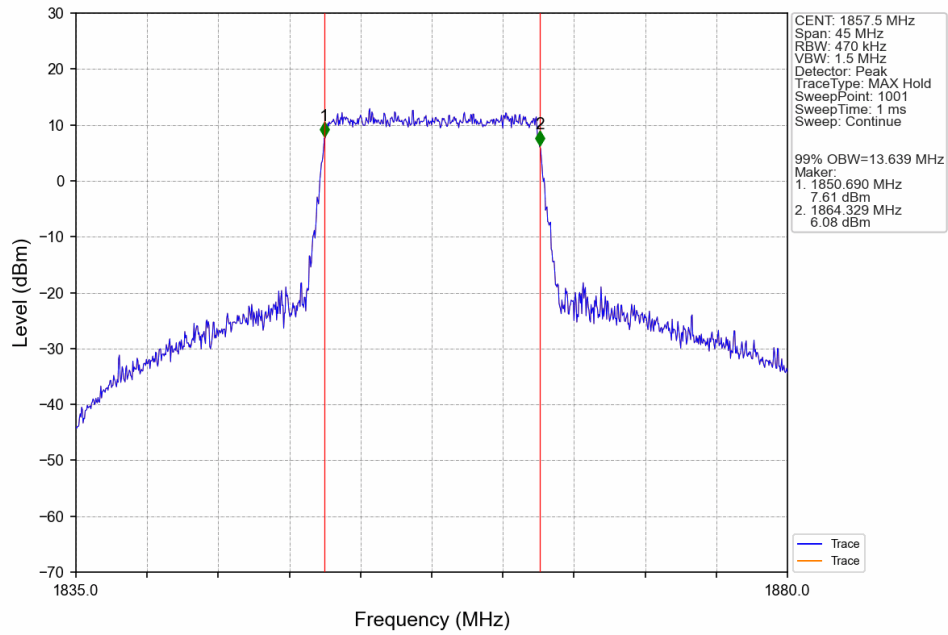
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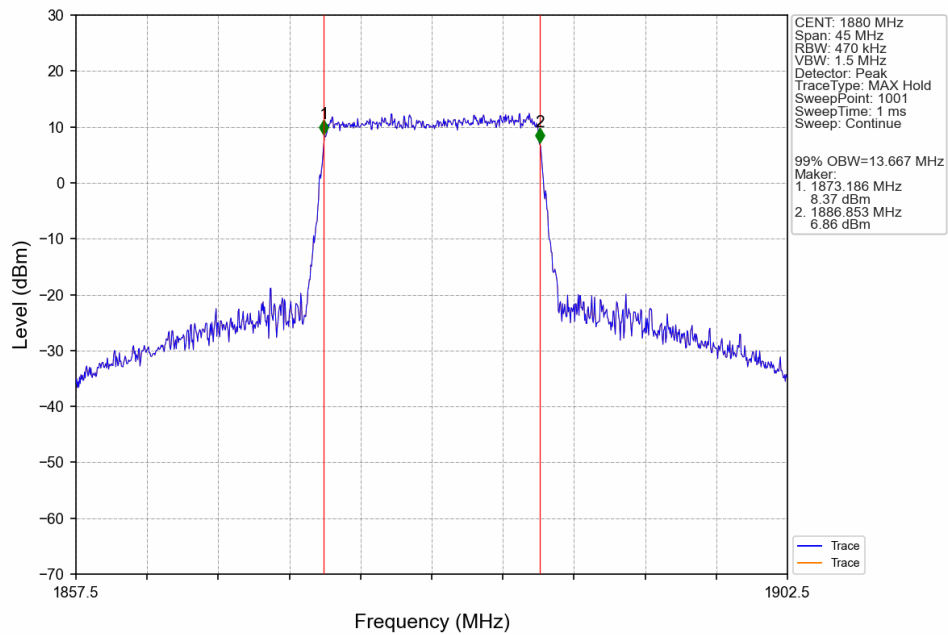
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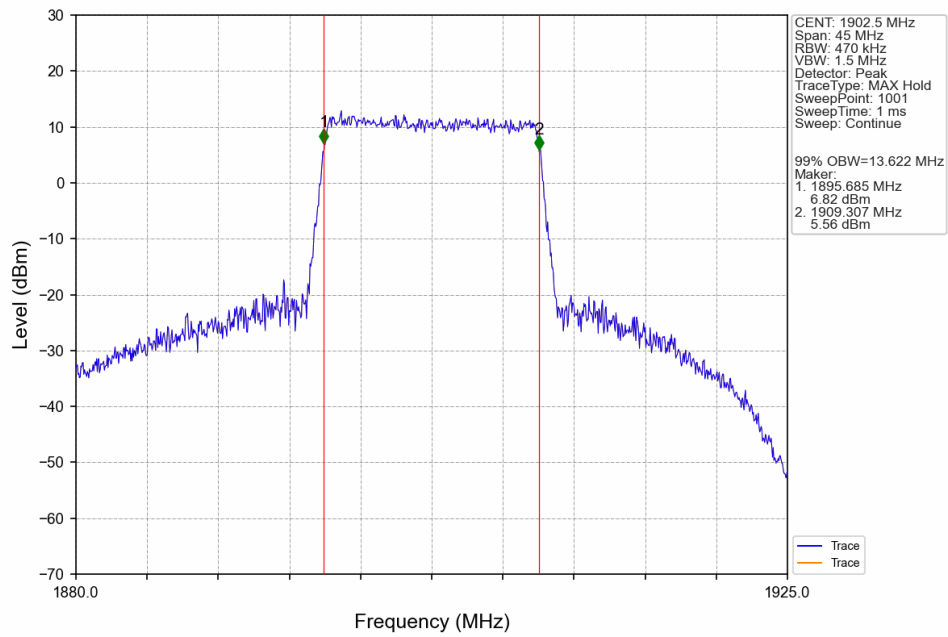
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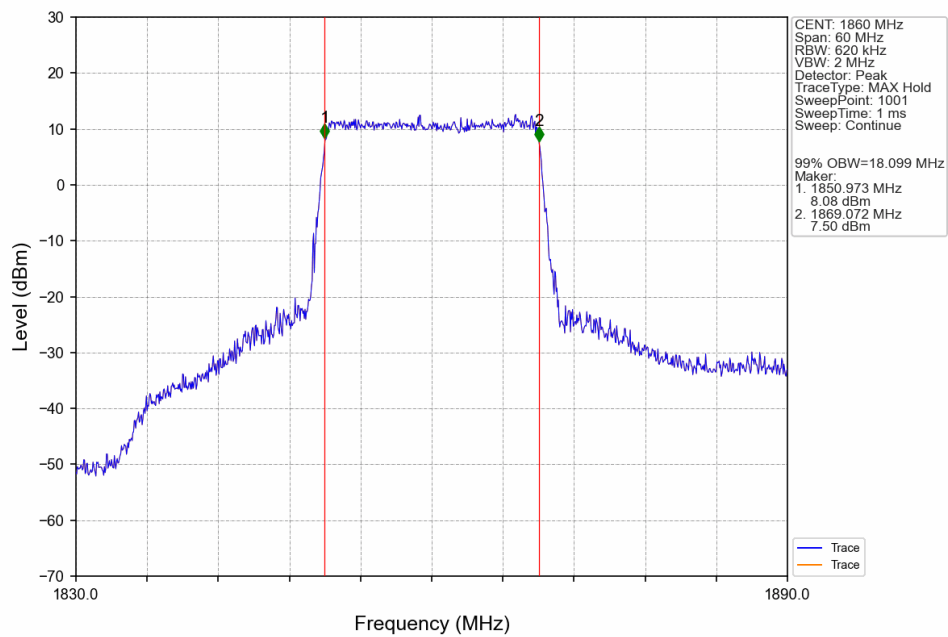
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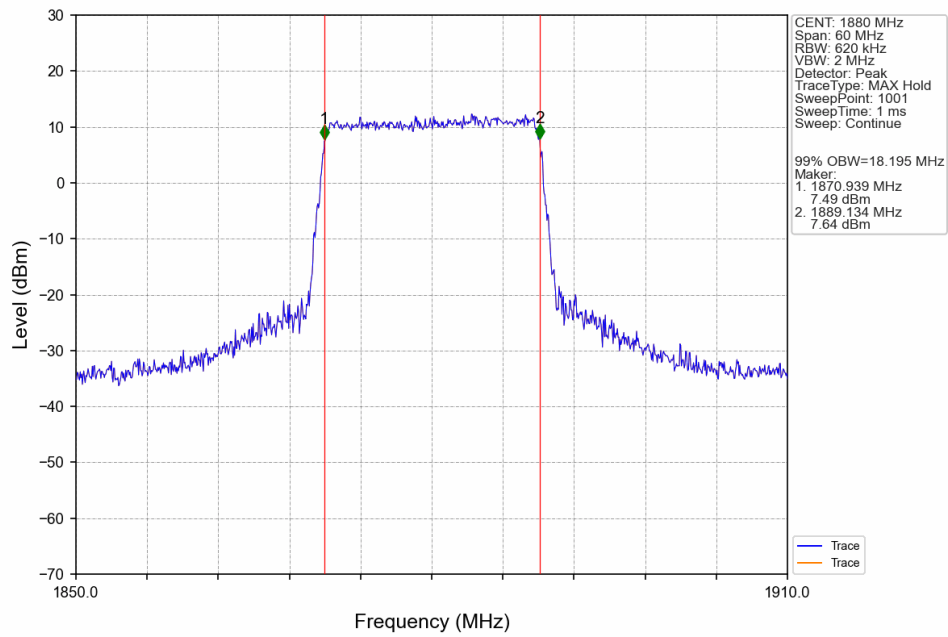
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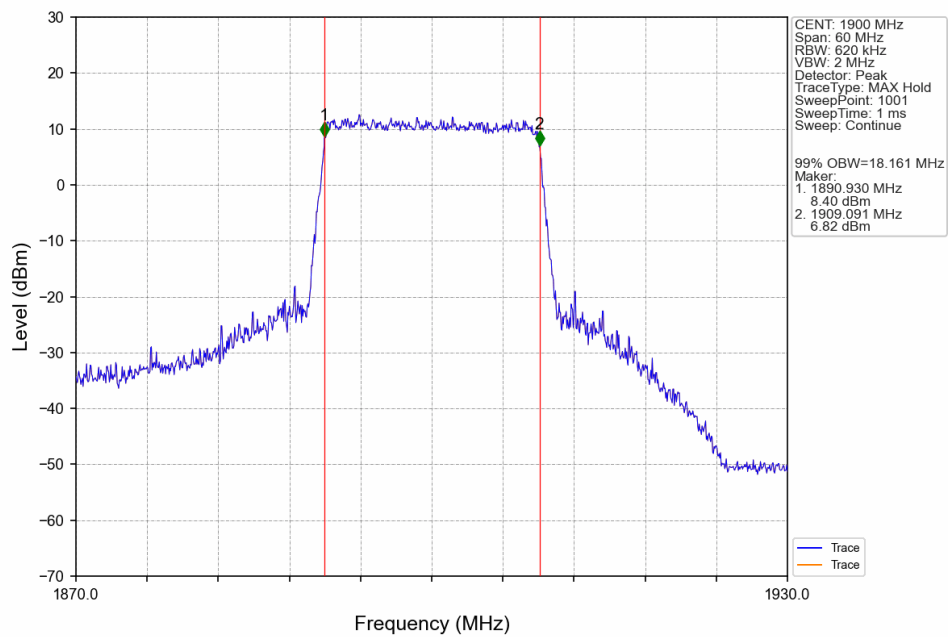
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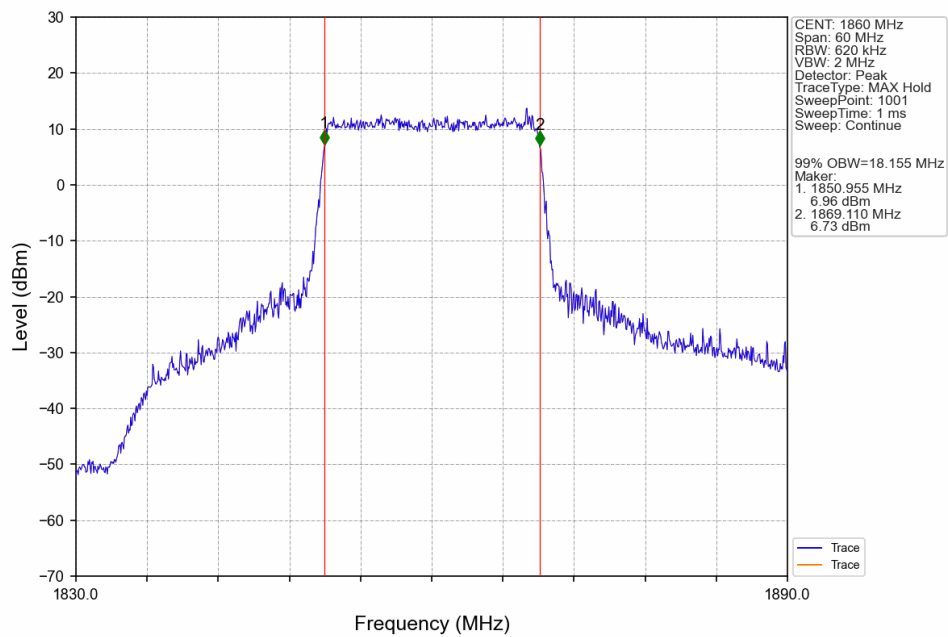
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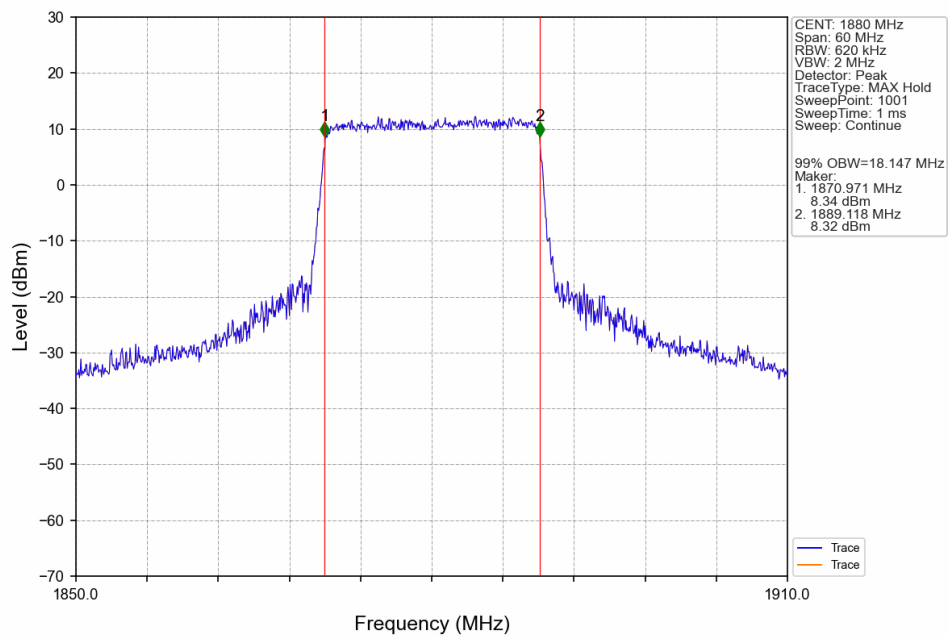
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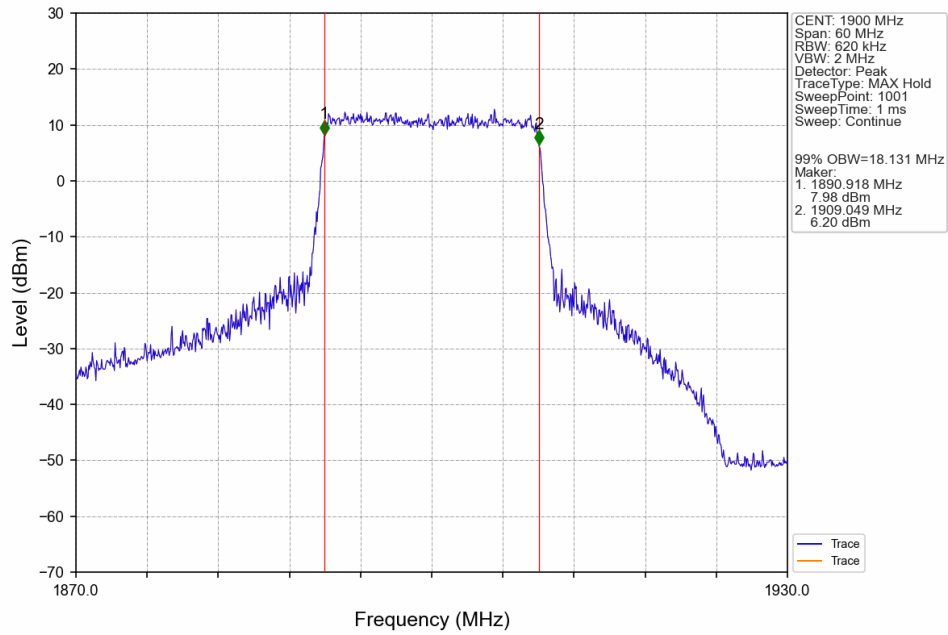
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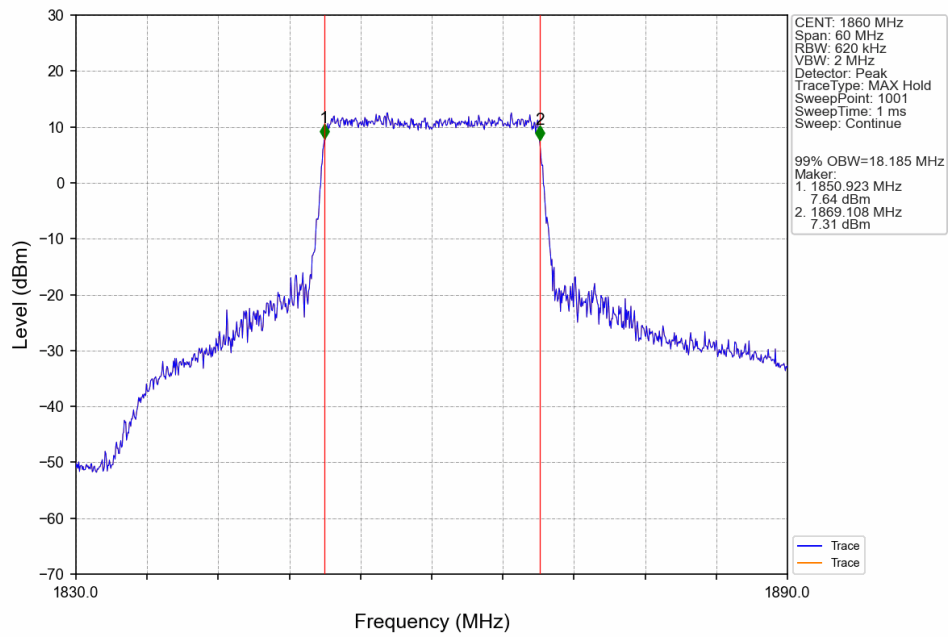
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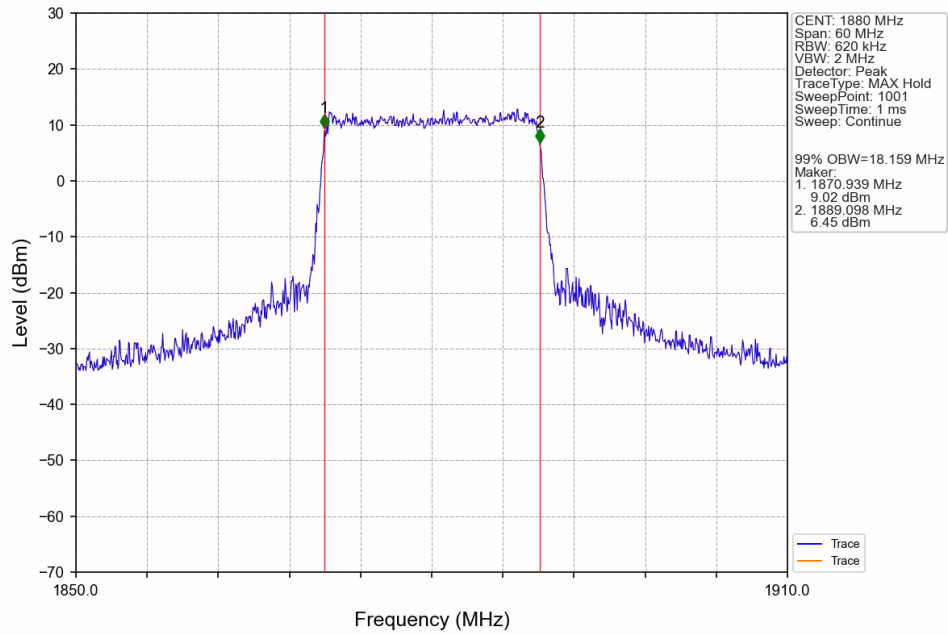


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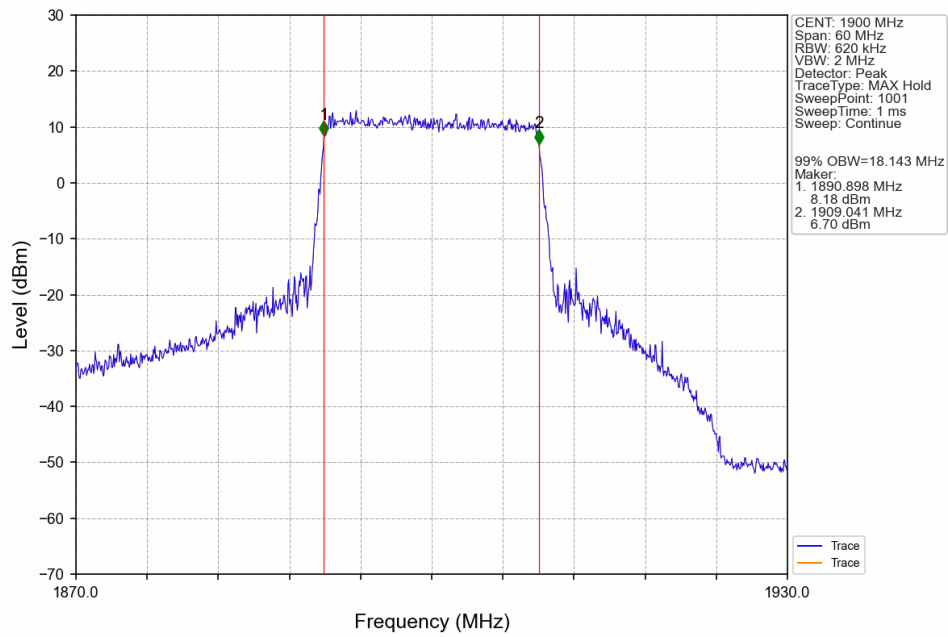




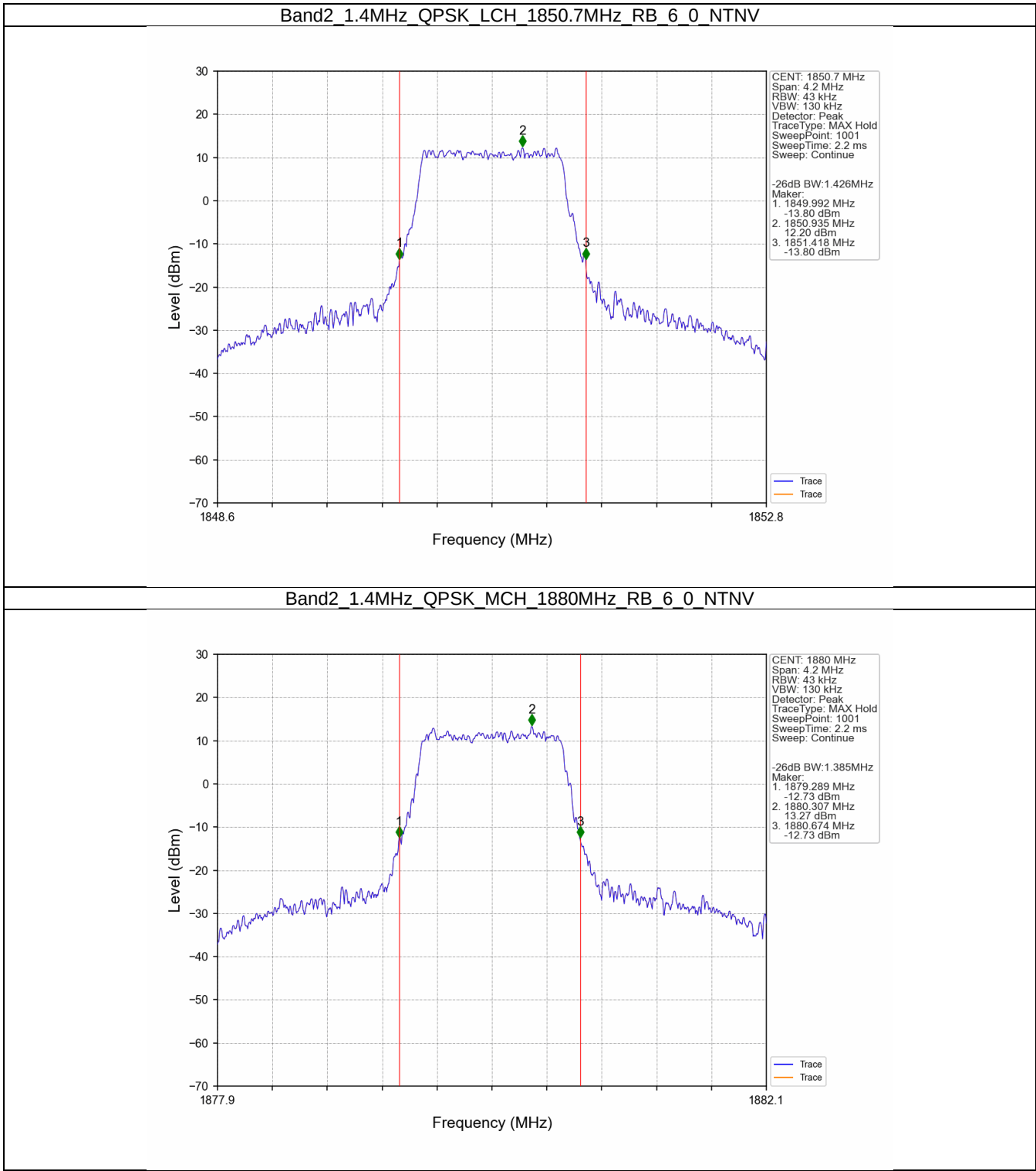
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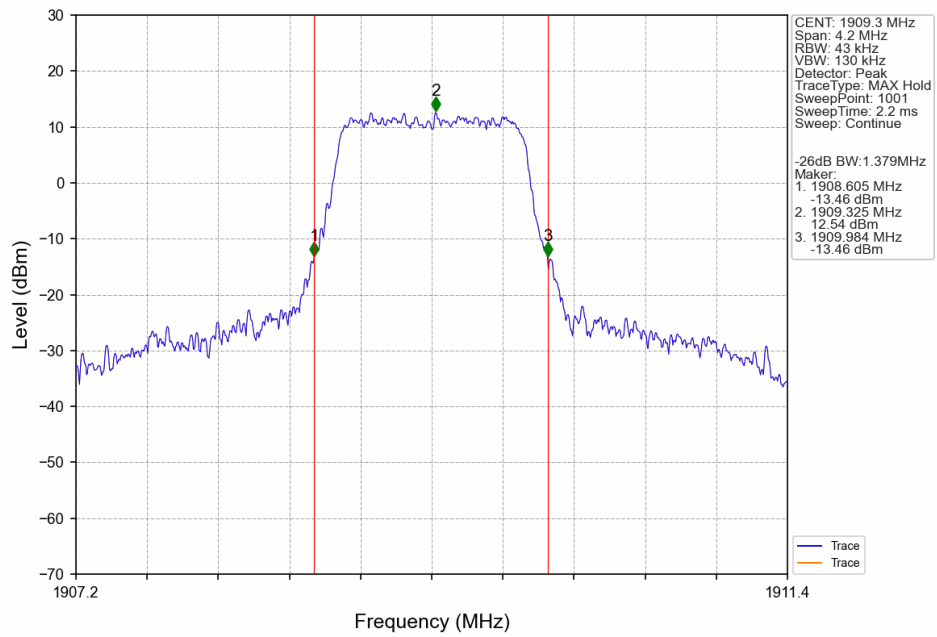
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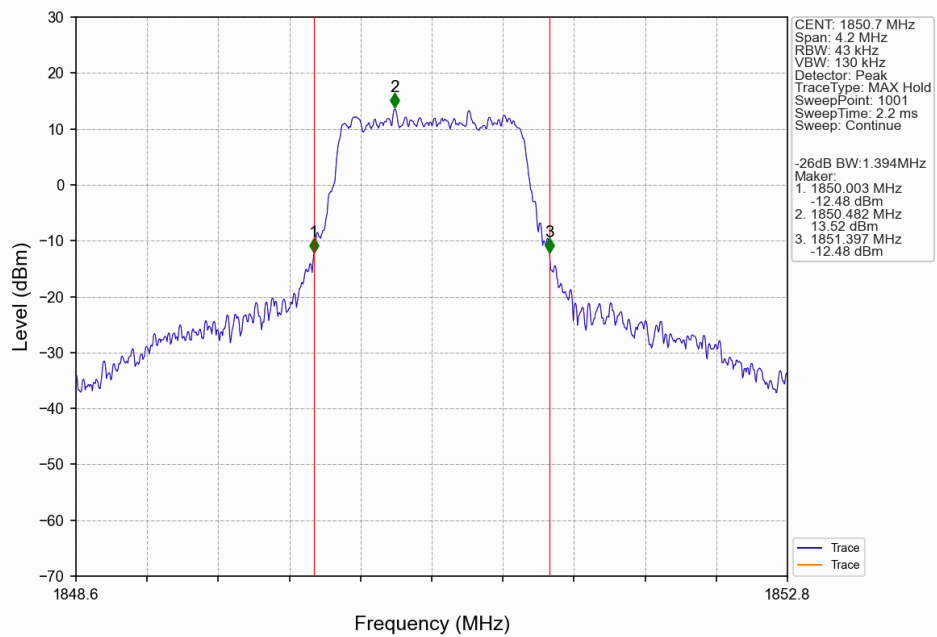
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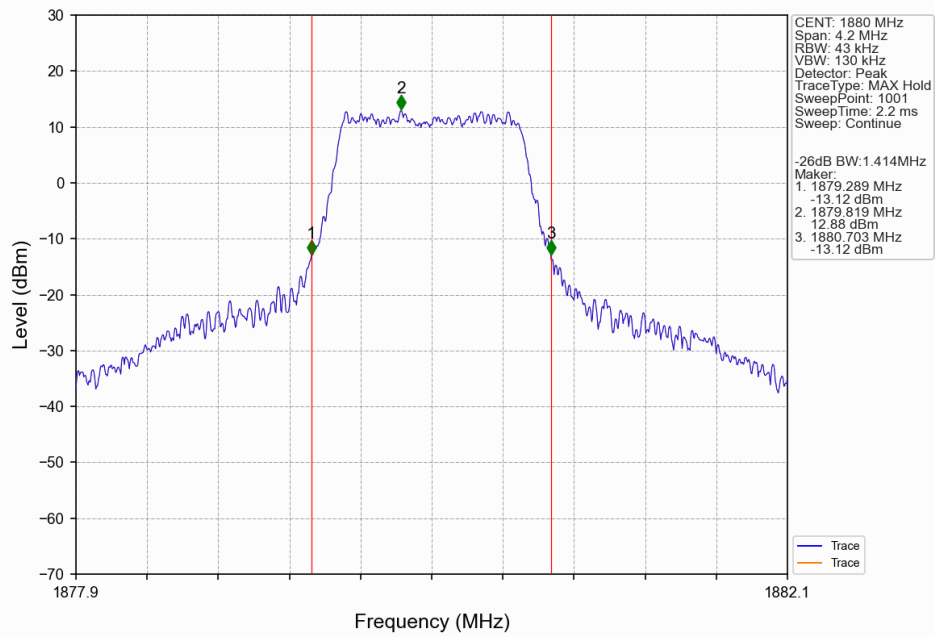
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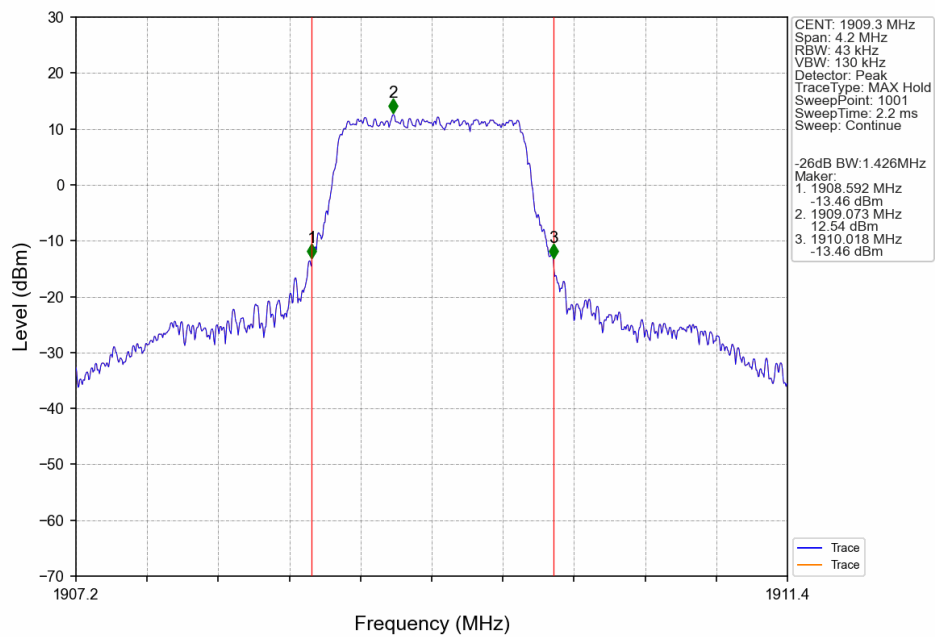
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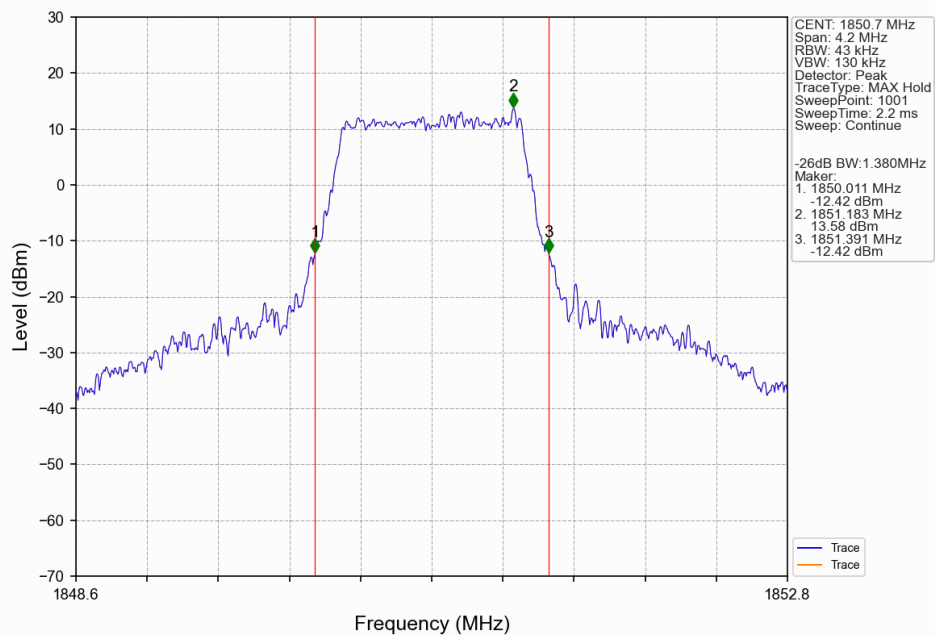
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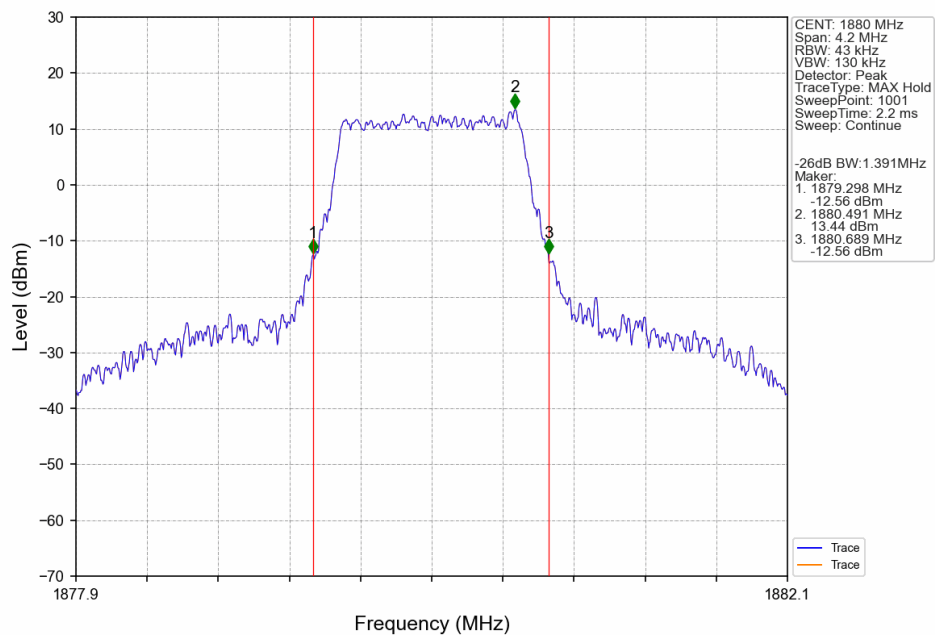
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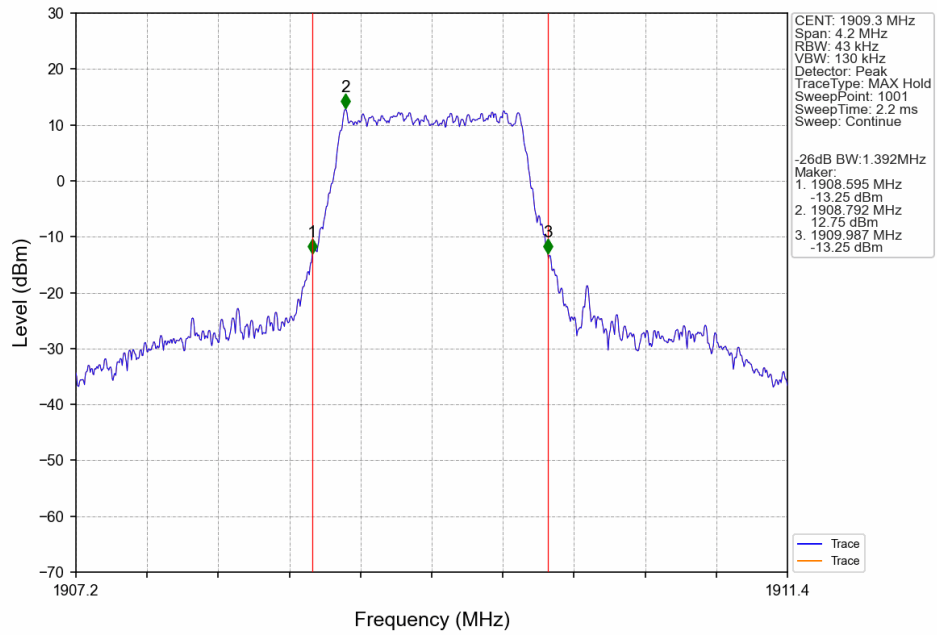
Band2 1.4MHz 64QAM LCH 1850.7MHz RB 6 0 NTNV



Band2 1.4MHz 64QAM MCH 1880MHz RB 6 0 NTNV



Band2 1.4MHz 64QAM HCH 1909.3MHz RB 6 0 NTNV



Band2 3MHz QPSK LCH 1851.5MHz RB 15 0 NTNV

