



## Appendix K for SHCR2208001794CO-LTE Band 25

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

## 1.1 B25\_1.4MHz\_EIRP

## 1.1.1 Test Result

| Band: 25 / 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      | 22.73                 | 2.30       | 25.03      | <=33.01 | Pass    |
|                                     |                 |               | 2      | 22.96                 | 2.30       | 25.26      | <=33.01 | Pass    |
|                                     |                 |               | 5      | 22.67                 | 2.30       | 24.97      | <=33.01 | Pass    |
|                                     |                 | 3             | 0      | 22.73                 | 2.30       | 25.03      | <=33.01 | Pass    |
|                                     |                 |               | 2      | 22.78                 | 2.30       | 25.08      | <=33.01 | Pass    |
|                                     |                 |               | 3      | 22.82                 | 2.30       | 25.12      | <=33.01 | Pass    |
|                                     |                 | 6             | 0      | 21.96                 | 2.30       | 24.26      | <=33.01 | Pass    |
|                                     | 1882.5          | 1             | 0      | 22.84                 | 2.30       | 25.14      | <=33.01 | Pass    |
|                                     |                 |               | 2      | 23.12                 | 2.30       | 25.42      | <=33.01 | Pass    |
|                                     |                 |               | 5      | 22.98                 | 2.30       | 25.28      | <=33.01 | Pass    |
|                                     |                 | 3             | 0      | 22.87                 | 2.30       | 25.17      | <=33.01 | Pass    |
|                                     |                 |               | 2      | 23.09                 | 2.30       | 25.39      | <=33.01 | Pass    |
|                                     |                 |               | 3      | 23.00                 | 2.30       | 25.30      | <=33.01 | Pass    |
|                                     |                 | 6             | 0      | 21.99                 | 2.30       | 24.29      | <=33.01 | Pass    |
|                                     | 1914.3          | 1             | 0      | 22.93                 | 2.30       | 25.23      | <=33.01 | Pass    |
|                                     |                 |               | 2      | 22.95                 | 2.30       | 25.25      | <=33.01 | Pass    |
|                                     |                 |               | 5      | 22.44                 | 2.30       | 24.74      | <=33.01 | Pass    |
|                                     |                 | 3             | 0      | 23.16                 | 2.30       | 25.46      | <=33.01 | Pass    |
|                                     |                 |               | 2      | 22.83                 | 2.30       | 25.13      | <=33.01 | Pass    |
|                                     |                 |               | 3      | 22.58                 | 2.30       | 24.88      | <=33.01 | Pass    |
|                                     |                 | 6             | 0      | 22.59                 | 2.30       | 24.89      | <=33.01 | Pass    |
| 16QAM                               | 1850.7          | 1             | 0      | 22.18                 | 2.30       | 24.48      | <=33.01 | Pass    |
|                                     |                 |               | 2      | 22.41                 | 2.30       | 24.71      | <=33.01 | Pass    |
|                                     |                 |               | 5      | 22.45                 | 2.30       | 24.75      | <=33.01 | Pass    |
|                                     |                 | 3             | 0      | 21.94                 | 2.30       | 24.24      | <=33.01 | Pass    |
|                                     |                 |               | 2      | 22.05                 | 2.30       | 24.35      | <=33.01 | Pass    |
|                                     |                 |               | 3      | 21.61                 | 2.30       | 23.91      | <=33.01 | Pass    |
|                                     |                 | 6             | 0      | 21.04                 | 2.30       | 23.34      | <=33.01 | Pass    |
|                                     | 1882.5          | 1             | 0      | 21.89                 | 2.30       | 24.19      | <=33.01 | Pass    |
|                                     |                 |               | 2      | 22.27                 | 2.30       | 24.57      | <=33.01 | Pass    |
|                                     |                 |               | 5      | 21.81                 | 2.30       | 24.11      | <=33.01 | Pass    |
|                                     |                 | 3             | 0      | 21.99                 | 2.30       | 24.29      | <=33.01 | Pass    |
|                                     |                 |               | 2      | 22.01                 | 2.30       | 24.31      | <=33.01 | Pass    |
|                                     |                 |               | 3      | 22.37                 | 2.30       | 24.67      | <=33.01 | Pass    |
|                                     |                 | 6             | 0      | 21.08                 | 2.30       | 23.38      | <=33.01 | Pass    |
|                                     | 1914.3          | 1             | 0      | 22.23                 | 2.30       | 24.53      | <=33.01 | Pass    |
|                                     |                 |               | 2      | 22.20                 | 2.30       | 24.50      | <=33.01 | Pass    |
|                                     |                 |               | 5      | 21.73                 | 2.30       | 24.03      | <=33.01 | Pass    |
|                                     |                 | 3             | 0      | 22.19                 | 2.30       | 24.49      | <=33.01 | Pass    |
|                                     |                 |               | 2      | 21.97                 | 2.30       | 24.27      | <=33.01 | Pass    |
|                                     |                 |               | 3      | 21.98                 | 2.30       | 24.28      | <=33.01 | Pass    |
|                                     |                 | 6             | 0      | 21.14                 | 2.30       | 23.44      | <=33.01 | Pass    |
| 64QAM                               | 1850.7          | 1             | 0      | 21.47                 | 2.30       | 23.77      | <=33.01 | Pass    |



|  |        |   |   |       |      |       |         |      |
|--|--------|---|---|-------|------|-------|---------|------|
|  | 1882.5 | 3 | 2 | 21.57 | 2.30 | 23.87 | <=33.01 | Pass |
|  |        |   | 5 | 21.19 | 2.30 | 23.49 | <=33.01 | Pass |
|  |        |   | 0 | 21.20 | 2.30 | 23.50 | <=33.01 | Pass |
|  |        | 3 | 2 | 21.09 | 2.30 | 23.39 | <=33.01 | Pass |
|  |        |   | 3 | 21.33 | 2.30 | 23.63 | <=33.01 | Pass |
|  |        |   | 0 | 20.08 | 2.30 | 22.38 | <=33.01 | Pass |
|  |        | 6 | 0 | 20.08 | 2.30 | 22.38 | <=33.01 | Pass |
|  |        |   | 0 | 22.58 | 2.30 | 24.88 | <=33.01 | Pass |
|  |        |   | 2 | 22.80 | 2.30 | 25.10 | <=33.01 | Pass |
|  |        | 1 | 5 | 22.36 | 2.30 | 24.66 | <=33.01 | Pass |
|  |        |   | 0 | 22.18 | 2.30 | 24.48 | <=33.01 | Pass |
|  |        |   | 2 | 21.88 | 2.30 | 24.18 | <=33.01 | Pass |
|  | 1914.3 | 3 | 3 | 21.68 | 2.30 | 23.98 | <=33.01 | Pass |
|  |        |   | 0 | 20.82 | 2.30 | 23.12 | <=33.01 | Pass |
|  |        |   | 0 | 22.50 | 2.30 | 24.80 | <=33.01 | Pass |
|  |        | 1 | 2 | 22.07 | 2.30 | 24.37 | <=33.01 | Pass |
|  |        |   | 5 | 21.70 | 2.30 | 24.00 | <=33.01 | Pass |
|  |        |   | 0 | 22.15 | 2.30 | 24.45 | <=33.01 | Pass |
|  |        | 3 | 2 | 21.51 | 2.30 | 23.81 | <=33.01 | Pass |
|  |        |   | 3 | 21.29 | 2.30 | 23.59 | <=33.01 | Pass |
|  |        |   | 0 | 21.05 | 2.30 | 23.35 | <=33.01 | Pass |
|  |        | 6 | 0 | 21.05 | 2.30 | 23.35 | <=33.01 | Pass |
|  |        |   | 0 | 21.05 | 2.30 | 23.35 | <=33.01 | Pass |
|  |        |   | 0 | 21.05 | 2.30 | 23.35 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

## 1.2 B25\_3MHz\_EIRP

### 1.2.1 Test Result

| Band: 25 / Bandwidth: 3MHz / NTN |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dbi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 1851.5          | 1             | 0      | 22.74                 | 2.30       | 25.04      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 22.92                 | 2.30       | 25.22      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 22.93                 | 2.30       | 25.23      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 21.90                 | 2.30       | 24.20      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 21.96                 | 2.30       | 24.26      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 21.86                 | 2.30       | 24.16      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 21.94                 | 2.30       | 24.24      | <=33.01 | Pass    |
|                                  | 1882.5          | 1             | 0      | 22.68                 | 2.30       | 24.98      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 23.09                 | 2.30       | 25.39      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 23.11                 | 2.30       | 25.41      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 22.00                 | 2.30       | 24.30      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 21.98                 | 2.30       | 24.28      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 21.98                 | 2.30       | 24.28      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 22.05                 | 2.30       | 24.35      | <=33.01 | Pass    |
|                                  | 1913.5          | 1             | 0      | 22.96                 | 2.30       | 25.26      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 23.02                 | 2.30       | 25.32      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 22.37                 | 2.30       | 24.67      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 22.27                 | 2.30       | 24.57      | <=33.01 | Pass    |
|                                  |                 |               | 4      | 22.03                 | 2.30       | 24.33      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 22.14                 | 2.30       | 24.44      | <=33.01 | Pass    |
|                                  |                 | 15            | 0      | 22.33                 | 2.30       | 24.63      | <=33.01 | Pass    |
| 16QAM                            | 1851.5          | 1             | 0      | 22.23                 | 2.30       | 24.53      | <=33.01 | Pass    |
|                                  |                 |               | 7      | 22.17                 | 2.30       | 24.47      | <=33.01 | Pass    |
|                                  |                 |               | 14     | 22.30                 | 2.30       | 24.60      | <=33.01 | Pass    |
|                                  |                 | 8             | 0      | 21.05                 | 2.30       | 23.35      | <=33.01 | Pass    |

|                                          |        |        |       |       |       |         |         |         |         |      |
|------------------------------------------|--------|--------|-------|-------|-------|---------|---------|---------|---------|------|
|                                          |        |        |       | 4     | 21.01 | 2.30    | 23.31   | <=33.01 | Pass    |      |
|                                          |        |        |       | 7     | 21.00 | 2.30    | 23.30   | <=33.01 | Pass    |      |
|                                          |        |        | 15    | 0     | 20.90 | 2.30    | 23.20   | <=33.01 | Pass    |      |
|                                          |        | 1882.5 | 1     |       | 0     | 22.31   | 2.30    | 24.61   | <=33.01 | Pass |
|                                          |        |        |       |       | 7     | 22.58   | 2.30    | 24.88   | <=33.01 | Pass |
|                                          |        |        |       |       | 14    | 22.35   | 2.30    | 24.65   | <=33.01 | Pass |
|                                          |        |        | 8     |       | 0     | 21.28   | 2.30    | 23.58   | <=33.01 | Pass |
|                                          |        |        |       |       | 4     | 20.90   | 2.30    | 23.20   | <=33.01 | Pass |
|                                          |        |        |       |       | 7     | 20.79   | 2.30    | 23.09   | <=33.01 | Pass |
|                                          | 15     | 0      | 20.87 | 2.30  | 23.17 | <=33.01 | Pass    |         |         |      |
|                                          | 1913.5 | 1      |       | 0     | 21.91 | 2.30    | 24.21   | <=33.01 | Pass    |      |
|                                          |        |        |       | 7     | 21.89 | 2.30    | 24.19   | <=33.01 | Pass    |      |
|                                          |        |        |       | 14    | 21.62 | 2.30    | 23.92   | <=33.01 | Pass    |      |
|                                          |        | 8      |       | 0     | 21.46 | 2.30    | 23.76   | <=33.01 | Pass    |      |
|                                          |        |        |       | 4     | 20.94 | 2.30    | 23.24   | <=33.01 | Pass    |      |
|                                          |        |        |       | 7     | 20.92 | 2.30    | 23.22   | <=33.01 | Pass    |      |
|                                          | 15     | 0      | 21.21 | 2.30  | 23.51 | <=33.01 | Pass    |         |         |      |
|                                          | 64QAM  | 1851.5 | 1     |       | 0     | 21.58   | 2.30    | 23.88   | <=33.01 | Pass |
|                                          |        |        |       | 7     | 21.54 | 2.30    | 23.84   | <=33.01 | Pass    |      |
|                                          |        |        |       | 14    | 21.43 | 2.30    | 23.73   | <=33.01 | Pass    |      |
| 8                                        |        |        |       | 0     | 20.45 | 2.30    | 22.75   | <=33.01 | Pass    |      |
|                                          |        |        |       | 4     | 20.76 | 2.30    | 23.06   | <=33.01 | Pass    |      |
|                                          |        |        |       | 7     | 20.75 | 2.30    | 23.05   | <=33.01 | Pass    |      |
| 15                                       |        |        | 0     | 20.48 | 2.30  | 22.78   | <=33.01 | Pass    |         |      |
| 1882.5                                   |        |        | 1     |       | 0     | 22.04   | 2.30    | 24.34   | <=33.01 | Pass |
|                                          |        |        |       |       | 7     | 22.51   | 2.30    | 24.81   | <=33.01 | Pass |
|                                          |        |        |       | 14    | 22.35 | 2.30    | 24.65   | <=33.01 | Pass    |      |
|                                          |        | 8      |       | 0     | 21.07 | 2.30    | 23.37   | <=33.01 | Pass    |      |
|                                          |        |        |       | 4     | 21.08 | 2.30    | 23.38   | <=33.01 | Pass    |      |
|                                          |        |        |       | 7     | 21.14 | 2.30    | 23.44   | <=33.01 | Pass    |      |
| 15                                       |        | 0      | 21.00 | 2.30  | 23.30 | <=33.01 | Pass    |         |         |      |
| 1913.5                                   |        | 1      |       | 0     | 22.38 | 2.30    | 24.68   | <=33.01 | Pass    |      |
|                                          |        |        |       | 7     | 22.06 | 2.30    | 24.36   | <=33.01 | Pass    |      |
|                                          |        |        |       | 14    | 20.71 | 2.30    | 23.01   | <=33.01 | Pass    |      |
|                                          |        | 8      |       | 0     | 21.99 | 2.30    | 24.29   | <=33.01 | Pass    |      |
|                                          |        |        |       | 4     | 21.01 | 2.30    | 23.31   | <=33.01 | Pass    |      |
|                                          |        |        |       | 7     | 21.03 | 2.30    | 23.33   | <=33.01 | Pass    |      |
| 15                                       |        | 0      | 21.29 | 2.30  | 23.59 | <=33.01 | Pass    |         |         |      |
| Note1: EIRP=Conducted Power+Antenna Gain |        |        |       |       |       |         |         |         |         |      |

### 1.3 B25\_5MHz\_EIRP

### 1.3.1 Test Result

| Band: 25 / Bandwidth: 5MHz / NTV |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dbi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 1852.5          | 1             | 0      | 22.70                 | 2.30       | 25.00      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 22.73                 | 2.30       | 25.03      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 22.72                 | 2.30       | 25.02      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 21.94                 | 2.30       | 24.24      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 21.91                 | 2.30       | 24.21      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.87                 | 2.30       | 24.17      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 21.86                 | 2.30       | 24.16      | <=33.01 | Pass    |



|       |        |    |    |       |      |       |         |      |
|-------|--------|----|----|-------|------|-------|---------|------|
|       | 1882.5 | 1  | 0  | 22.65 | 2.30 | 24.95 | <=33.01 | Pass |
|       |        |    | 13 | 22.94 | 2.30 | 25.24 | <=33.01 | Pass |
|       |        |    | 24 | 23.09 | 2.30 | 25.39 | <=33.01 | Pass |
|       |        | 12 | 0  | 21.94 | 2.30 | 24.24 | <=33.01 | Pass |
|       |        |    | 6  | 22.00 | 2.30 | 24.30 | <=33.01 | Pass |
|       |        |    | 13 | 22.12 | 2.30 | 24.42 | <=33.01 | Pass |
|       |        | 25 | 0  | 22.00 | 2.30 | 24.30 | <=33.01 | Pass |
|       | 1912.5 | 1  | 0  | 22.81 | 2.30 | 25.11 | <=33.01 | Pass |
|       |        |    | 13 | 23.02 | 2.30 | 25.32 | <=33.01 | Pass |
|       |        |    | 24 | 22.37 | 2.30 | 24.67 | <=33.01 | Pass |
|       |        | 12 | 0  | 22.25 | 2.30 | 24.55 | <=33.01 | Pass |
|       |        |    | 6  | 22.06 | 2.30 | 24.36 | <=33.01 | Pass |
|       |        |    | 13 | 22.03 | 2.30 | 24.33 | <=33.01 | Pass |
|       |        | 25 | 0  | 22.18 | 2.30 | 24.48 | <=33.01 | Pass |
| 16QAM | 1852.5 | 1  | 0  | 21.19 | 2.30 | 23.49 | <=33.01 | Pass |
|       |        |    | 13 | 21.42 | 2.30 | 23.72 | <=33.01 | Pass |
|       |        |    | 24 | 21.38 | 2.30 | 23.68 | <=33.01 | Pass |
|       |        | 12 | 0  | 20.77 | 2.30 | 23.07 | <=33.01 | Pass |
|       |        |    | 6  | 20.84 | 2.30 | 23.14 | <=33.01 | Pass |
|       |        |    | 13 | 20.96 | 2.30 | 23.26 | <=33.01 | Pass |
|       |        | 25 | 0  | 21.01 | 2.30 | 23.31 | <=33.01 | Pass |
|       | 1882.5 | 1  | 0  | 22.01 | 2.30 | 24.31 | <=33.01 | Pass |
|       |        |    | 13 | 22.41 | 2.30 | 24.71 | <=33.01 | Pass |
|       |        |    | 24 | 22.52 | 2.30 | 24.82 | <=33.01 | Pass |
|       |        | 12 | 0  | 20.83 | 2.30 | 23.13 | <=33.01 | Pass |
|       |        |    | 6  | 20.88 | 2.30 | 23.18 | <=33.01 | Pass |
|       |        |    | 13 | 21.00 | 2.30 | 23.30 | <=33.01 | Pass |
|       |        | 25 | 0  | 20.91 | 2.30 | 23.21 | <=33.01 | Pass |
|       | 1912.5 | 1  | 0  | 21.98 | 2.30 | 24.28 | <=33.01 | Pass |
|       |        |    | 13 | 21.64 | 2.30 | 23.94 | <=33.01 | Pass |
|       |        |    | 24 | 21.61 | 2.30 | 23.91 | <=33.01 | Pass |
|       |        | 12 | 0  | 21.30 | 2.30 | 23.60 | <=33.01 | Pass |
|       |        |    | 6  | 21.12 | 2.30 | 23.42 | <=33.01 | Pass |
|       |        |    | 13 | 20.93 | 2.30 | 23.23 | <=33.01 | Pass |
|       |        | 25 | 0  | 21.07 | 2.30 | 23.37 | <=33.01 | Pass |
| 64QAM | 1852.5 | 1  | 0  | 21.40 | 2.30 | 23.70 | <=33.01 | Pass |
|       |        |    | 13 | 21.38 | 2.30 | 23.68 | <=33.01 | Pass |
|       |        |    | 24 | 21.19 | 2.30 | 23.49 | <=33.01 | Pass |
|       |        | 12 | 0  | 20.18 | 2.30 | 22.48 | <=33.01 | Pass |
|       |        |    | 6  | 20.25 | 2.30 | 22.55 | <=33.01 | Pass |
|       |        |    | 13 | 20.26 | 2.30 | 22.56 | <=33.01 | Pass |
|       |        | 25 | 0  | 20.47 | 2.30 | 22.77 | <=33.01 | Pass |
|       | 1882.5 | 1  | 0  | 22.00 | 2.30 | 24.30 | <=33.01 | Pass |
|       |        |    | 13 | 22.25 | 2.30 | 24.55 | <=33.01 | Pass |
|       |        |    | 24 | 22.33 | 2.30 | 24.63 | <=33.01 | Pass |
|       |        | 12 | 0  | 20.78 | 2.30 | 23.08 | <=33.01 | Pass |
|       |        |    | 6  | 20.88 | 2.30 | 23.18 | <=33.01 | Pass |
|       |        |    | 13 | 21.02 | 2.30 | 23.32 | <=33.01 | Pass |
|       |        | 25 | 0  | 20.90 | 2.30 | 23.20 | <=33.01 | Pass |
|       | 1912.5 | 1  | 0  | 22.33 | 2.30 | 24.63 | <=33.01 | Pass |
|       |        |    | 13 | 21.96 | 2.30 | 24.26 | <=33.01 | Pass |
|       |        |    | 24 | 21.17 | 2.30 | 23.47 | <=33.01 | Pass |
|       |        | 12 | 0  | 21.60 | 2.30 | 23.90 | <=33.01 | Pass |
|       |        |    | 6  | 20.98 | 2.30 | 23.28 | <=33.01 | Pass |
|       |        |    | 13 | 20.88 | 2.30 | 23.18 | <=33.01 | Pass |
|       |        | 25 | 0  | 21.23 | 2.30 | 23.53 | <=33.01 | Pass |



Note1: EIRP=Conducted Power+Antenna Gain

## 1.4 B25\_10MHz\_EIRP

### 1.4.1 Test Result

| Band: 25 / Bandwidth: 10MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dbi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 1855            | 1             | 0      | 22.90                 | 2.30       | 25.20      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.06                 | 2.30       | 25.36      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 22.72                 | 2.30       | 25.02      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 22.04                 | 2.30       | 24.34      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 22.02                 | 2.30       | 24.32      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.94                 | 2.30       | 24.24      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.96                 | 2.30       | 24.26      | <=33.01 | Pass    |
|                                    | 1882.5          | 1             | 0      | 22.97                 | 2.30       | 25.27      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.35                 | 2.30       | 25.65      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 23.17                 | 2.30       | 25.47      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 21.96                 | 2.30       | 24.26      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 22.13                 | 2.30       | 24.43      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.17                 | 2.30       | 24.47      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.04                 | 2.30       | 24.34      | <=33.01 | Pass    |
|                                    | 1910            | 1             | 0      | 23.08                 | 2.30       | 25.38      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 23.49                 | 2.30       | 25.79      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 21.78                 | 2.30       | 24.08      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 22.41                 | 2.30       | 24.71      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 22.27                 | 2.30       | 24.57      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.02                 | 2.30       | 24.32      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.20                 | 2.30       | 24.50      | <=33.01 | Pass    |
| 16QAM                              | 1855            | 1             | 0      | 22.29                 | 2.30       | 24.59      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.57                 | 2.30       | 24.87      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 22.08                 | 2.30       | 24.38      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 20.99                 | 2.30       | 23.29      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 21.00                 | 2.30       | 23.30      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 20.99                 | 2.30       | 23.29      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 20.96                 | 2.30       | 23.26      | <=33.01 | Pass    |
|                                    | 1882.5          | 1             | 0      | 22.67                 | 2.30       | 24.97      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.74                 | 2.30       | 25.04      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 22.76                 | 2.30       | 25.06      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 20.95                 | 2.30       | 23.25      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 21.12                 | 2.30       | 23.42      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.19                 | 2.30       | 23.49      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.08                 | 2.30       | 23.38      | <=33.01 | Pass    |
|                                    | 1910            | 1             | 0      | 22.16                 | 2.30       | 24.46      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.17                 | 2.30       | 24.47      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 20.98                 | 2.30       | 23.28      | <=33.01 | Pass    |
|                                    |                 | 25            | 0      | 21.36                 | 2.30       | 23.66      | <=33.01 | Pass    |
|                                    |                 |               | 13     | 21.48                 | 2.30       | 23.78      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.12                 | 2.30       | 23.42      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.27                 | 2.30       | 23.57      | <=33.01 | Pass    |
| 64QAM                              | 1855            | 1             | 0      | 21.64                 | 2.30       | 23.94      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.13                 | 2.30       | 24.43      | <=33.01 | Pass    |
|                                    |                 |               | 49     | 21.67                 | 2.30       | 23.97      | <=33.01 | Pass    |



|  |        |    |    |       |      |       |         |      |
|--|--------|----|----|-------|------|-------|---------|------|
|  |        | 25 | 0  | 20.66 | 2.30 | 22.96 | <=33.01 | Pass |
|  |        |    | 13 | 20.69 | 2.30 | 22.99 | <=33.01 | Pass |
|  |        |    | 25 | 20.65 | 2.30 | 22.95 | <=33.01 | Pass |
|  |        | 50 | 0  | 20.48 | 2.30 | 22.78 | <=33.01 | Pass |
|  |        |    | 0  | 22.09 | 2.30 | 24.39 | <=33.01 | Pass |
|  |        |    | 25 | 22.49 | 2.30 | 24.79 | <=33.01 | Pass |
|  | 1882.5 | 1  | 49 | 22.36 | 2.30 | 24.66 | <=33.01 | Pass |
|  |        |    | 0  | 20.79 | 2.30 | 23.09 | <=33.01 | Pass |
|  |        |    | 13 | 21.07 | 2.30 | 23.37 | <=33.01 | Pass |
|  |        | 25 | 25 | 21.19 | 2.30 | 23.49 | <=33.01 | Pass |
|  |        |    | 0  | 20.98 | 2.30 | 23.28 | <=33.01 | Pass |
|  |        |    | 0  | 21.91 | 2.30 | 24.21 | <=33.01 | Pass |
|  |        | 1  | 25 | 22.79 | 2.30 | 25.09 | <=33.01 | Pass |
|  |        |    | 49 | 20.19 | 2.30 | 22.49 | <=33.01 | Pass |
|  |        |    | 0  | 21.71 | 2.30 | 24.01 | <=33.01 | Pass |
|  | 1910   | 25 | 13 | 21.32 | 2.30 | 23.62 | <=33.01 | Pass |
|  |        |    | 25 | 21.06 | 2.30 | 23.36 | <=33.01 | Pass |
|  |        |    | 0  | 21.15 | 2.30 | 23.45 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

## 1.5 B25\_15MHz\_EIRP

### 1.5.1 Test Result

| Band: 25 / 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      | 22.99                 | 2.30       | 25.29      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.94                 | 2.30       | 25.24      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.93                 | 2.30       | 25.23      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 22.11                 | 2.30       | 24.41      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 22.03                 | 2.30       | 24.33      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 22.03                 | 2.30       | 24.33      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 22.09                 | 2.30       | 24.39      | <=33.01 | Pass    |
|                                    | 1882.5          | 1             | 0      | 22.96                 | 2.30       | 25.26      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 23.19                 | 2.30       | 25.49      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 23.04                 | 2.30       | 25.34      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.99                 | 2.30       | 24.29      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 22.18                 | 2.30       | 24.48      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 22.25                 | 2.30       | 24.55      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 22.08                 | 2.30       | 24.38      | <=33.01 | Pass    |
|                                    | 1907.5          | 1             | 0      | 23.02                 | 2.30       | 25.32      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 23.28                 | 2.30       | 25.58      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 21.76                 | 2.30       | 24.06      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 22.24                 | 2.30       | 24.54      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 22.37                 | 2.30       | 24.67      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 22.18                 | 2.30       | 24.48      | <=33.01 | Pass    |
|                                    |                 | 75            | 0      | 22.14                 | 2.30       | 24.44      | <=33.01 | Pass    |
| 16QAM                              | 1857.5          | 1             | 0      | 22.59                 | 2.30       | 24.89      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.56                 | 2.30       | 24.86      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.23                 | 2.30       | 24.53      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.13                 | 2.30       | 23.43      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 20.97                 | 2.30       | 23.27      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 20.98                 | 2.30       | 23.28      | <=33.01 | Pass    |



|                                          |        |        |        |       |       |         |         |         |         |
|------------------------------------------|--------|--------|--------|-------|-------|---------|---------|---------|---------|
|                                          | 1882.5 | 75     | 0      | 21.12 | 2.30  | 23.42   | <=33.01 | Pass    |         |
|                                          |        | 1      | 0      | 22.68 | 2.30  | 24.98   | <=33.01 | Pass    |         |
|                                          |        |        | 38     | 22.74 | 2.30  | 25.04   | <=33.01 | Pass    |         |
|                                          |        |        | 74     | 22.59 | 2.30  | 24.89   | <=33.01 | Pass    |         |
|                                          |        |        | 0      | 20.92 | 2.30  | 23.22   | <=33.01 | Pass    |         |
|                                          |        | 36     | 18     | 21.14 | 2.30  | 23.44   | <=33.01 | Pass    |         |
|                                          |        |        | 39     | 21.17 | 2.30  | 23.47   | <=33.01 | Pass    |         |
|                                          |        |        | 75     | 0     | 21.16 | 2.30    | 23.46   | <=33.01 | Pass    |
|                                          |        | 1907.5 | 1      | 0     | 22.46 | 2.30    | 24.76   | <=33.01 | Pass    |
|                                          |        |        |        | 38    | 22.33 | 2.30    | 24.63   | <=33.01 | Pass    |
|                                          |        |        |        | 74    | 21.27 | 2.30    | 23.57   | <=33.01 | Pass    |
|                                          |        |        | 36     | 0     | 20.98 | 2.30    | 23.28   | <=33.01 | Pass    |
|                                          | 18     |        |        | 21.30 | 2.30  | 23.60   | <=33.01 | Pass    |         |
|                                          | 39     |        |        | 21.12 | 2.30  | 23.42   | <=33.01 | Pass    |         |
|                                          | 75     |        | 0      | 21.20 | 2.30  | 23.50   | <=33.01 | Pass    |         |
|                                          | 64QAM  |        | 1857.5 | 1     | 0     | 21.43   | 2.30    | 23.73   | <=33.01 |
|                                          |        | 38     |        |       | 22.04 | 2.30    | 24.34   | <=33.01 | Pass    |
|                                          |        | 74     |        |       | 21.73 | 2.30    | 24.03   | <=33.01 | Pass    |
| 36                                       |        | 0      |        | 20.53 | 2.30  | 22.83   | <=33.01 | Pass    |         |
|                                          |        | 18     |        | 20.61 | 2.30  | 22.91   | <=33.01 | Pass    |         |
|                                          |        | 39     |        | 20.59 | 2.30  | 22.89   | <=33.01 | Pass    |         |
| 75                                       |        | 0      |        | 20.66 | 2.30  | 22.96   | <=33.01 | Pass    |         |
| 1882.5                                   |        | 1      |        | 0     | 21.69 | 2.30    | 23.99   | <=33.01 | Pass    |
|                                          |        |        |        | 38    | 22.38 | 2.30    | 24.68   | <=33.01 | Pass    |
|                                          |        |        | 74     | 22.26 | 2.30  | 24.56   | <=33.01 | Pass    |         |
|                                          |        | 36     | 0      | 20.87 | 2.30  | 23.17   | <=33.01 | Pass    |         |
|                                          |        |        | 18     | 21.05 | 2.30  | 23.35   | <=33.01 | Pass    |         |
|                                          |        |        | 39     | 21.16 | 2.30  | 23.46   | <=33.01 | Pass    |         |
| 75                                       |        | 0      | 21.06  | 2.30  | 23.36 | <=33.01 | Pass    |         |         |
| 1907.5                                   |        | 1      | 0      | 22.35 | 2.30  | 24.65   | <=33.01 | Pass    |         |
|                                          |        |        | 38     | 23.08 | 2.30  | 25.38   | <=33.01 | Pass    |         |
|                                          |        |        | 74     | 20.94 | 2.30  | 23.24   | <=33.01 | Pass    |         |
|                                          |        | 36     | 0      | 21.46 | 2.30  | 23.76   | <=33.01 | Pass    |         |
|                                          | 18     |        | 21.34  | 2.30  | 23.64 | <=33.01 | Pass    |         |         |
|                                          | 39     |        | 21.13  | 2.30  | 23.43 | <=33.01 | Pass    |         |         |
|                                          | 75     | 0      | 21.28  | 2.30  | 23.58 | <=33.01 | Pass    |         |         |
| Note1: EIRP=Conducted Power+Antenna Gain |        |        |        |       |       |         |         |         |         |

Note1: EIRP=Conducted Power+Antenna Gain

## 1.6 B25\_20MHz\_EIRP

### 1.6.1 Test Result

| Band: 25 / Bandwidth: 20MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dbi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 1860            | 1             | 0      | 22.78                 | 2.30       | 25.08      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.12                 | 2.30       | 25.42      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 22.80                 | 2.30       | 25.10      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.14                 | 2.30       | 24.44      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.14                 | 2.30       | 24.44      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.07                 | 2.30       | 24.37      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 22.24                 | 2.30       | 24.54      | <=33.01 | Pass    |
|                                    | 1882.5          | 1             | 0      | 23.18                 | 2.30       | 25.48      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.56                 | 2.30       | 25.86      | <=33.01 | Pass    |

|                                          |       |        |    |       |       |       |         |         |         |      |
|------------------------------------------|-------|--------|----|-------|-------|-------|---------|---------|---------|------|
|                                          |       | 50     |    | 99    | 23.09 | 2.30  | 25.39   | <=33.01 | Pass    |      |
|                                          |       |        |    | 0     | 22.04 | 2.30  | 24.34   | <=33.01 | Pass    |      |
|                                          |       |        |    | 25    | 22.24 | 2.30  | 24.54   | <=33.01 | Pass    |      |
|                                          |       |        |    | 50    | 22.19 | 2.30  | 24.49   | <=33.01 | Pass    |      |
|                                          |       | 100    |    | 0     | 22.20 | 2.30  | 24.50   | <=33.01 | Pass    |      |
|                                          | 1905  | 1      |    | 0     | 22.95 | 2.30  | 25.25   | <=33.01 | Pass    |      |
|                                          |       |        |    | 50    | 23.35 | 2.30  | 25.65   | <=33.01 | Pass    |      |
|                                          |       |        |    | 99    | 21.70 | 2.30  | 24.00   | <=33.01 | Pass    |      |
|                                          |       | 50     |    | 0     | 22.38 | 2.30  | 24.68   | <=33.01 | Pass    |      |
|                                          |       |        | 25 | 22.33 | 2.30  | 24.63 | <=33.01 | Pass    |         |      |
|                                          |       |        | 50 | 22.33 | 2.30  | 24.63 | <=33.01 | Pass    |         |      |
|                                          |       | 100    |    | 0     | 22.22 | 2.30  | 24.52   | <=33.01 | Pass    |      |
| 16QAM                                    | 1860  | 1      |    | 0     | 22.26 | 2.30  | 24.56   | <=33.01 | Pass    |      |
|                                          |       |        | 50 | 22.75 | 2.30  | 25.05 | <=33.01 | Pass    |         |      |
|                                          |       |        | 99 | 22.29 | 2.30  | 24.59 | <=33.01 | Pass    |         |      |
|                                          |       | 50     |    | 0     | 21.17 | 2.30  | 23.47   | <=33.01 | Pass    |      |
|                                          |       |        | 25 | 21.15 | 2.30  | 23.45 | <=33.01 | Pass    |         |      |
|                                          |       |        | 50 | 21.01 | 2.30  | 23.31 | <=33.01 | Pass    |         |      |
|                                          |       | 100    |    | 0     | 20.99 | 2.30  | 23.29   | <=33.01 | Pass    |      |
|                                          |       | 1882.5 | 1  |       | 0     | 22.15 | 2.30    | 24.45   | <=33.01 | Pass |
|                                          |       |        |    | 50    | 22.24 | 2.30  | 24.54   | <=33.01 | Pass    |      |
|                                          | 99    |        |    | 22.01 | 2.30  | 24.31 | <=33.01 | Pass    |         |      |
|                                          | 50    |        |    | 0     | 21.09 | 2.30  | 23.39   | <=33.01 | Pass    |      |
|                                          |       |        | 25 | 21.12 | 2.30  | 23.42 | <=33.01 | Pass    |         |      |
|                                          |       |        | 50 | 21.20 | 2.30  | 23.50 | <=33.01 | Pass    |         |      |
|                                          | 100   |        |    | 0     | 21.10 | 2.30  | 23.40   | <=33.01 | Pass    |      |
|                                          | 1905  | 1      |    | 0     | 22.81 | 2.30  | 25.11   | <=33.01 | Pass    |      |
|                                          |       |        | 50 | 23.42 | 2.30  | 25.72 | <=33.01 | Pass    |         |      |
|                                          |       |        | 99 | 21.43 | 2.30  | 23.73 | <=33.01 | Pass    |         |      |
|                                          |       | 50     |    | 0     | 21.29 | 2.30  | 23.59   | <=33.01 | Pass    |      |
|                                          |       |        | 25 | 21.24 | 2.30  | 23.54 | <=33.01 | Pass    |         |      |
|                                          |       |        | 50 | 21.23 | 2.30  | 23.53 | <=33.01 | Pass    |         |      |
|                                          |       | 100    |    | 0     | 21.14 | 2.30  | 23.44   | <=33.01 | Pass    |      |
|                                          | 64QAM | 1860   | 1  |       | 0     | 21.76 | 2.30    | 24.06   | <=33.01 | Pass |
|                                          |       |        |    | 50    | 22.28 | 2.30  | 24.58   | <=33.01 | Pass    |      |
|                                          |       |        |    | 99    | 21.67 | 2.30  | 23.97   | <=33.01 | Pass    |      |
| 50                                       |       |        |    | 0     | 20.68 | 2.30  | 22.98   | <=33.01 | Pass    |      |
|                                          |       |        | 25 | 20.79 | 2.30  | 23.09 | <=33.01 | Pass    |         |      |
|                                          |       |        | 50 | 20.64 | 2.30  | 22.94 | <=33.01 | Pass    |         |      |
| 100                                      |       |        |    | 0     | 20.76 | 2.30  | 23.06   | <=33.01 | Pass    |      |
| 1882.5                                   |       |        | 1  |       | 0     | 21.62 | 2.30    | 23.92   | <=33.01 | Pass |
|                                          |       |        |    | 50    | 22.13 | 2.30  | 24.43   | <=33.01 | Pass    |      |
|                                          |       | 99     |    | 21.95 | 2.30  | 24.25 | <=33.01 | Pass    |         |      |
|                                          |       | 50     |    | 0     | 20.79 | 2.30  | 23.09   | <=33.01 | Pass    |      |
|                                          |       |        | 25 | 21.09 | 2.30  | 23.39 | <=33.01 | Pass    |         |      |
|                                          |       |        | 50 | 21.01 | 2.30  | 23.31 | <=33.01 | Pass    |         |      |
|                                          |       | 100    |    | 0     | 20.90 | 2.30  | 23.20   | <=33.01 | Pass    |      |
| 1905                                     |       | 1      |    | 0     | 21.63 | 2.30  | 23.93   | <=33.01 | Pass    |      |
|                                          |       |        | 50 | 22.49 | 2.30  | 24.79 | <=33.01 | Pass    |         |      |
|                                          |       |        | 99 | 20.47 | 2.30  | 22.77 | <=33.01 | Pass    |         |      |
|                                          |       | 50     |    | 0     | 21.52 | 2.30  | 23.82   | <=33.01 | Pass    |      |
|                                          |       |        | 25 | 21.35 | 2.30  | 23.65 | <=33.01 | Pass    |         |      |
|                                          |       |        | 50 | 21.40 | 2.30  | 23.70 | <=33.01 | Pass    |         |      |
|                                          |       | 100    |    | 0     | 21.01 | 2.30  | 23.31   | <=33.01 | Pass    |      |
| Note1: EIRP=Conducted Power+Antenna Gain |       |        |    |       |       |       |         |         |         |      |





## 2. Frequency Stability

### 2.1 B25\_1.4MHz

#### 2.1.1 Test Result

| Band: 25 / 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         | 6.12          | -2.116           | -0.0011               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 7.20          | -0.732           | -0.0004               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 8.28          | -1.384           | -0.0007               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -30        | 7.20          | -0.680           | -0.0004               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -20        | 7.20          | -1.977           | -0.0011               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -10        | 7.20          | -2.868           | -0.0015               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 0          | 7.20          | -2.071           | -0.0011               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 10         | 7.20          | -1.408           | -0.0008               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 30         | 7.20          | -0.900           | -0.0005               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 40         | 7.20          | -2.533           | -0.0014               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 50         | 7.20          | -2.199           | -0.0012               | -2.5 to 2.5 | Pass    |
|                              | 1882.5          | 6             | 0      | 20         | 6.12          | 0.516            | 0.0003                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 7.20          | 0.588            | 0.0003                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 8.28          | 1.227            | 0.0007                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -30        | 7.20          | 0.518            | 0.0003                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -20        | 7.20          | 2.099            | 0.0011                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -10        | 7.20          | 1.289            | 0.0007                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 0          | 7.20          | 1.557            | 0.0008                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 10         | 7.20          | 1.650            | 0.0009                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 30         | 7.20          | 1.191            | 0.0006                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 40         | 7.20          | 1.406            | 0.0007                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 50         | 7.20          | 2.027            | 0.0011                | -2.5 to 2.5 | Pass    |
|                              | 1914.3          | 6             | 0      | 20         | 6.12          | -4.754           | -0.0025               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 7.20          | -4.846           | -0.0025               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 8.28          | -4.873           | -0.0025               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -30        | 7.20          | -3.920           | -0.0020               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -20        | 7.20          | -3.836           | -0.0020               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -10        | 7.20          | -4.068           | -0.0021               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 0          | 7.20          | -2.943           | -0.0015               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 10         | 7.20          | -4.014           | -0.0021               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 30         | 7.20          | -3.786           | -0.0020               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 40         | 7.20          | -2.760           | -0.0014               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 50         | 7.20          | -2.488           | -0.0013               | -2.5 to 2.5 | Pass    |
| 16QAM                        | 1850.7          | 6             | 0      | 20         | 6.12          | -0.847           | -0.0005               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 7.20          | -2.056           | -0.0011               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 8.28          | -1.558           | -0.0008               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -30        | 7.20          | -0.865           | -0.0005               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -20        | 7.20          | -1.030           | -0.0006               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -10        | 7.20          | -1.522           | -0.0008               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 0          | 7.20          | 0.039            | 0.0000                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 10         | 7.20          | -2.135           | -0.0012               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 30         | 7.20          | -2.960           | -0.0016               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 40         | 7.20          | -3.671           | -0.0020               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 50         | 7.20          | -1.799           | -0.0010               | -2.5 to 2.5 | Pass    |
|                              | 1882.5          | 6             | 0      | 20         | 6.12          | 1.449            | 0.0008                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 7.20          | 1.510            | 0.0008                | -2.5 to 2.5 | Pass    |



|        |        |         |             |       |             |         |             |             |      |
|--------|--------|---------|-------------|-------|-------------|---------|-------------|-------------|------|
|        |        |         |             |       | 8.28        | -0.227  | -0.0001     | -2.5 to 2.5 | Pass |
|        |        |         |             | -30   | 7.20        | 0.955   | 0.0005      | -2.5 to 2.5 | Pass |
|        |        |         |             | -20   | 7.20        | 0.319   | 0.0002      | -2.5 to 2.5 | Pass |
|        |        |         |             | -10   | 7.20        | 1.284   | 0.0007      | -2.5 to 2.5 | Pass |
|        |        |         |             | 0     | 7.20        | 0.508   | 0.0003      | -2.5 to 2.5 | Pass |
|        |        |         |             | 10    | 7.20        | 1.297   | 0.0007      | -2.5 to 2.5 | Pass |
|        |        |         |             | 30    | 7.20        | 1.481   | 0.0008      | -2.5 to 2.5 | Pass |
|        |        |         |             | 40    | 7.20        | 2.057   | 0.0011      | -2.5 to 2.5 | Pass |
|        |        |         |             | 50    | 7.20        | 1.984   | 0.0011      | -2.5 to 2.5 | Pass |
|        | 1914.3 | 6       | 0           | 20    | 6.12        | -1.722  | -0.0009     | -2.5 to 2.5 | Pass |
|        |        |         |             |       | 7.20        | -4.468  | -0.0023     | -2.5 to 2.5 | Pass |
|        |        |         |             |       | 8.28        | -2.628  | -0.0014     | -2.5 to 2.5 | Pass |
|        |        |         |             | -30   | 7.20        | -4.264  | -0.0022     | -2.5 to 2.5 | Pass |
|        |        |         |             | -20   | 7.20        | -5.255  | -0.0027     | -2.5 to 2.5 | Pass |
|        |        |         |             | -10   | 7.20        | -3.770  | -0.0020     | -2.5 to 2.5 | Pass |
|        |        |         |             | 0     | 7.20        | -2.318  | -0.0012     | -2.5 to 2.5 | Pass |
|        |        |         |             | 10    | 7.20        | -2.053  | -0.0011     | -2.5 to 2.5 | Pass |
|        |        |         |             | 30    | 7.20        | -3.744  | -0.0020     | -2.5 to 2.5 | Pass |
|        |        |         |             | 40    | 7.20        | -4.616  | -0.0024     | -2.5 to 2.5 | Pass |
|        |        |         |             | 50    | 7.20        | -3.494  | -0.0018     | -2.5 to 2.5 | Pass |
|        |        |         |             | 64QAM | 1850.7      | 6       | 0           | 20          | 6.12 |
| 7.20   | -3.425 | -0.0019 | -2.5 to 2.5 |       |             |         |             |             | Pass |
| 8.28   | -1.480 | -0.0008 | -2.5 to 2.5 |       |             |         |             |             | Pass |
| -30    | 7.20   | -2.046  | -0.0011     |       |             |         |             | -2.5 to 2.5 | Pass |
| -20    | 7.20   | -1.152  | -0.0006     |       |             |         |             | -2.5 to 2.5 | Pass |
| -10    | 7.20   | -1.994  | -0.0011     |       |             |         |             | -2.5 to 2.5 | Pass |
| 0      | 7.20   | -1.310  | -0.0007     |       |             |         |             | -2.5 to 2.5 | Pass |
| 10     | 7.20   | -2.208  | -0.0012     |       |             |         |             | -2.5 to 2.5 | Pass |
| 30     | 7.20   | -1.343  | -0.0007     |       |             |         |             | -2.5 to 2.5 | Pass |
| 40     | 7.20   | -3.139  | -0.0017     |       |             |         |             | -2.5 to 2.5 | Pass |
| 50     | 7.20   | -1.290  | -0.0007     |       | -2.5 to 2.5 | Pass    |             |             |      |
| 1882.5 | 6      | 0       | 20          |       | 6.12        | 0.768   | 0.0004      | -2.5 to 2.5 | Pass |
|        |        |         |             |       | 7.20        | 0.348   | 0.0002      | -2.5 to 2.5 | Pass |
|        |        |         |             |       | 8.28        | 1.448   | 0.0008      | -2.5 to 2.5 | Pass |
|        |        |         | -30         |       | 7.20        | 0.596   | 0.0003      | -2.5 to 2.5 | Pass |
|        |        |         | -20         |       | 7.20        | 1.014   | 0.0005      | -2.5 to 2.5 | Pass |
|        |        |         | -10         |       | 7.20        | 1.196   | 0.0006      | -2.5 to 2.5 | Pass |
|        |        |         | 0           |       | 7.20        | 1.059   | 0.0006      | -2.5 to 2.5 | Pass |
|        |        |         | 10          |       | 7.20        | 1.020   | 0.0005      | -2.5 to 2.5 | Pass |
|        |        |         | 30          |       | 7.20        | 0.426   | 0.0002      | -2.5 to 2.5 | Pass |
|        |        |         | 40          |       | 7.20        | 1.666   | 0.0009      | -2.5 to 2.5 | Pass |
| 50     | 7.20   | 1.490   | 0.0008      |       | -2.5 to 2.5 | Pass    |             |             |      |
| 1914.3 | 6      | 0       | 20          |       | 6.12        | -3.490  | -0.0018     | -2.5 to 2.5 | Pass |
|        |        |         |             |       | 7.20        | -2.314  | -0.0012     | -2.5 to 2.5 | Pass |
|        |        |         |             |       | 8.28        | -3.271  | -0.0017     | -2.5 to 2.5 | Pass |
|        |        |         | -30         |       | 7.20        | -2.385  | -0.0012     | -2.5 to 2.5 | Pass |
|        |        |         | -20         |       | 7.20        | -4.527  | -0.0024     | -2.5 to 2.5 | Pass |
|        |        |         | -10         |       | 7.20        | -1.659  | -0.0009     | -2.5 to 2.5 | Pass |
|        |        |         | 0           |       | 7.20        | -3.166  | -0.0017     | -2.5 to 2.5 | Pass |
|        |        |         | 10          |       | 7.20        | -3.646  | -0.0019     | -2.5 to 2.5 | Pass |
|        |        |         | 30          |       | 7.20        | -2.873  | -0.0015     | -2.5 to 2.5 | Pass |
|        |        |         | 40          |       | 7.20        | -2.729  | -0.0014     | -2.5 to 2.5 | Pass |
|        |        |         | 50          | 7.20  | -3.176      | -0.0017 | -2.5 to 2.5 | Pass        |      |



## 2.2.1 Test Result

| Band: 25 / Bandwidth: 3MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 1851.5          | 15            | 0      | 20         | 6.12          | -3.410           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 7.20          | -2.788           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 8.28          | -3.686           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 7.20          | -2.547           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 7.20          | -2.592           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 7.20          | -2.628           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 7.20          | -3.051           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 7.20          | -2.811           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 7.20          | -3.921           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 7.20          | -1.499           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 7.20          | -1.178           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            | 1882.5          | 15            | 0      | 20         | 6.12          | 1.205            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 7.20          | 1.889            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 8.28          | 1.842            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 7.20          | 1.771            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 7.20          | 1.228            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 7.20          | 3.358            | 0.0018                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 7.20          | 2.072            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 7.20          | 2.406            | 0.0013                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 7.20          | 2.087            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 7.20          | 1.436            | 0.0008                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 7.20          | 1.690            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            | 1913.5          | 15            | 0      | 20         | 6.12          | -2.425           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 7.20          | -0.969           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 8.28          | -3.088           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 7.20          | -1.353           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 7.20          | -2.005           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 7.20          | -2.316           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 7.20          | -2.420           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 7.20          | -0.239           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 7.20          | -1.522           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 7.20          | -1.353           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 7.20          | -1.228           | -0.0006               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 1851.5          | 15            | 0      | 20         | 6.12          | -2.224           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 7.20          | -2.663           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 8.28          | -1.646           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 7.20          | -3.798           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 7.20          | -2.522           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 7.20          | -1.780           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 7.20          | -1.974           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 7.20          | -0.333           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 7.20          | -0.595           | -0.0003               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 7.20          | -2.005           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 7.20          | -1.104           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            | 1882.5          | 15            | 0      | 20         | 6.12          | 2.263            | 0.0012                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 7.20          | 2.473            | 0.0013                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 8.28          | 2.008            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 7.20          | 1.255            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 7.20          | 1.514            | 0.0008                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 7.20          | 2.225            | 0.0012                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 7.20          | 1.099            | 0.0006                | -2.5 to 2.5 | Pass    |



|       |        |    |   |     |      |        |         |             |      |
|-------|--------|----|---|-----|------|--------|---------|-------------|------|
|       | 1913.5 | 15 | 0 | 10  | 7.20 | 2.173  | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | 1.517  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | 2.026  | 0.0011  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | 1.694  | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 6.12 | -1.026 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | -1.160 | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | -1.702 | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -2.262 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -0.723 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -2.509 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -2.630 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -1.405 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -2.535 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -2.029 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -0.856 | -0.0004 | -2.5 to 2.5 | Pass |
| 64QAM | 1851.5 | 15 | 0 | 20  | 6.12 | -0.935 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | -2.821 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | -2.293 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -3.143 | -0.0017 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -1.040 | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -1.974 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -1.865 | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -1.397 | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -1.849 | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -2.537 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -1.733 | -0.0009 | -2.5 to 2.5 | Pass |
|       | 1882.5 | 15 | 0 | 20  | 6.12 | 0.027  | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | -0.358 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | 0.278  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | 2.454  | 0.0013  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | 0.814  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | 1.586  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | 1.757  | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | 2.591  | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | 1.662  | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | 1.403  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | 0.308  | 0.0002  | -2.5 to 2.5 | Pass |
|       | 1913.5 | 15 | 0 | 20  | 6.12 | -1.211 | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | -1.515 | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | -2.438 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -2.445 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -1.614 | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -1.641 | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -2.444 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -1.309 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -3.156 | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -0.843 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -2.133 | -0.0011 | -2.5 to 2.5 | Pass |

## 2.3 B25\_5MHz

### 2.3.1 Test Result

Band: 25 / 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         | 6.12          | -1.936           | -0.0010               | -2.5 to 2.5 | Pass    |
|            |                 |               |        |            | 7.20          | -0.901           | -0.0005               | -2.5 to 2.5 | Pass    |
|            |                 |               |        |            | 8.28          | 0.210            | 0.0001                | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -30        | 7.20          | -0.795           | -0.0004               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -20        | 7.20          | 0.581            | 0.0003                | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -10        | 7.20          | -0.432           | -0.0002               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 0          | 7.20          | -0.482           | -0.0003               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 10         | 7.20          | -0.577           | -0.0003               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 30         | 7.20          | -1.682           | -0.0009               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 40         | 7.20          | -1.268           | -0.0007               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 50         | 7.20          | -1.445           | -0.0008               | -2.5 to 2.5 | Pass    |
|            | 1882.5          | 25            | 0      | 20         | 6.12          | 1.383            | 0.0007                | -2.5 to 2.5 | Pass    |
|            |                 |               |        |            | 7.20          | 1.726            | 0.0009                | -2.5 to 2.5 | Pass    |
|            |                 |               |        |            | 8.28          | 1.677            | 0.0009                | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -30        | 7.20          | 2.131            | 0.0011                | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -20        | 7.20          | 1.799            | 0.0010                | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -10        | 7.20          | 3.552            | 0.0019                | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 0          | 7.20          | 2.319            | 0.0012                | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 10         | 7.20          | 1.120            | 0.0006                | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 30         | 7.20          | 1.828            | 0.0010                | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 40         | 7.20          | 2.894            | 0.0015                | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 50         | 7.20          | 1.161            | 0.0006                | -2.5 to 2.5 | Pass    |
|            | 1912.5          | 25            | 0      | 20         | 6.12          | -3.402           | -0.0018               | -2.5 to 2.5 | Pass    |
|            |                 |               |        |            | 7.20          | -3.115           | -0.0016               | -2.5 to 2.5 | Pass    |
|            |                 |               |        |            | 8.28          | -3.425           | -0.0018               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -30        | 7.20          | -4.105           | -0.0021               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -20        | 7.20          | -3.736           | -0.0020               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -10        | 7.20          | -4.094           | -0.0021               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 0          | 7.20          | -3.387           | -0.0018               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 10         | 7.20          | -2.888           | -0.0015               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 30         | 7.20          | -2.033           | -0.0011               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 40         | 7.20          | -2.341           | -0.0012               | -2.5 to 2.5 | Pass    |
| 16QAM      | 1852.5          | 25            | 0      | 20         | 6.12          | -1.147           | -0.0006               | -2.5 to 2.5 | Pass    |
|            |                 |               |        |            | 7.20          | -0.922           | -0.0005               | -2.5 to 2.5 | Pass    |
|            |                 |               |        |            | 8.28          | -1.507           | -0.0008               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -30        | 7.20          | -1.502           | -0.0008               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -20        | 7.20          | -1.600           | -0.0009               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -10        | 7.20          | -0.795           | -0.0004               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 0          | 7.20          | -0.775           | -0.0004               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 10         | 7.20          | -1.865           | -0.0010               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 30         | 7.20          | -0.563           | -0.0003               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 40         | 7.20          | -0.805           | -0.0004               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 50         | 7.20          | 0.541            | 0.0003                | -2.5 to 2.5 | Pass    |
|            | 1882.5          | 25            | 0      | 20         | 6.12          | 0.919            | 0.0005                | -2.5 to 2.5 | Pass    |
|            |                 |               |        |            | 7.20          | 2.369            | 0.0013                | -2.5 to 2.5 | Pass    |
|            |                 |               |        |            | 8.28          | 0.008            | 0.0000                | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -30        | 7.20          | -0.718           | -0.0004               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -20        | 7.20          | 1.749            | 0.0009                | -2.5 to 2.5 | Pass    |
|            |                 |               |        | -10        | 7.20          | -0.790           | -0.0004               | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 0          | 7.20          | 0.195            | 0.0001                | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 10         | 7.20          | 0.024            | 0.0000                | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 30         | 7.20          | 0.721            | 0.0004                | -2.5 to 2.5 | Pass    |
|            |                 |               |        | 40         | 7.20          | 0.741            | 0.0004                | -2.5 to 2.5 | Pass    |



|       |        |    |   |     |      |        |         |             |      |
|-------|--------|----|---|-----|------|--------|---------|-------------|------|
|       | 1912.5 | 25 | 0 | 50  | 3.85 | -0.548 | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 6.12 | -2.960 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | -1.695 | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | -2.655 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -2.039 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -2.550 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -1.533 | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -0.975 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -2.245 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -4.453 | -0.0023 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -2.970 | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -2.476 | -0.0013 | -2.5 to 2.5 | Pass |
| 64QAM | 1852.5 | 25 | 0 | 20  | 6.12 | -2.591 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | -2.292 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | -1.393 | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -0.358 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -1.306 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -2.938 | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -0.987 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -0.298 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -2.674 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -2.353 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -2.403 | -0.0013 | -2.5 to 2.5 | Pass |
|       | 1882.5 | 25 | 0 | 20  | 6.12 | 0.788  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | 2.298  | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | 1.556  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -0.320 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | 0.463  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | 0.972  | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | 0.517  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -0.311 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | 1.109  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | 1.579  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -0.799 | -0.0004 | -2.5 to 2.5 | Pass |
|       | 1912.5 | 25 | 0 | 20  | 6.12 | -3.475 | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | -1.044 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | -2.023 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -3.420 | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -3.246 | -0.0017 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -4.458 | -0.0023 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -1.931 | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -2.826 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -2.893 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -1.540 | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -1.630 | -0.0009 | -2.5 to 2.5 | Pass |

## 2.4 B25\_10MHz

### 2.4.1 Test Result

| Band: 25 / 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         | 6.12          | -2.284           | -0.0012               | -2.5 to 2.5 | Pass    |



|       |        |    |   |     |      |        |         |             |      |
|-------|--------|----|---|-----|------|--------|---------|-------------|------|
|       |        |    |   |     | 7.20 | -1.593 | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | -2.602 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -3.345 | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -2.704 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -1.964 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -2.796 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -1.024 | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -1.519 | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -1.046 | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -1.519 | -0.0008 | -2.5 to 2.5 | Pass |
|       | 1882.5 | 50 | 0 | 20  | 6.12 | 2.208  | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | 0.715  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | 0.308  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | 1.445  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | 2.792  | 0.0015  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | 1.160  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | 1.868  | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | 1.235  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | 2.096  | 0.0011  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | 2.305  | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | 1.036  | 0.0006  | -2.5 to 2.5 | Pass |
|       | 1910   | 50 | 0 | 20  | 6.12 | -3.157 | -0.0017 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | -2.417 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | -2.722 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -1.944 | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -1.519 | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -2.549 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -3.055 | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -2.869 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -2.566 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -2.070 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -1.968 | -0.0010 | -2.5 to 2.5 | Pass |
| 16QAM | 1855   | 50 | 0 | 20  | 6.12 | -1.242 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | -1.531 | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | -0.925 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -1.323 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -0.252 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -2.302 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -2.785 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -2.531 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -2.428 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -1.267 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -1.848 | -0.0010 | -2.5 to 2.5 | Pass |
|       | 1882.5 | 50 | 0 | 20  | 6.12 | 1.504  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | 0.618  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | 0.237  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | 2.708  | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | 2.250  | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | 1.454  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | 1.799  | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | 2.395  | 0.0013  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | 2.697  | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | 2.001  | 0.0011  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | 2.127  | 0.0011  | -2.5 to 2.5 | Pass |
|       | 1910   | 50 | 0 | 20  | 6.12 | -2.985 | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | -3.305 | -0.0017 | -2.5 to 2.5 | Pass |



|       |        |    |   |     |      |        |         |             |      |
|-------|--------|----|---|-----|------|--------|---------|-------------|------|
| 64QAM | 1855   | 50 | 0 |     | 8.28 | -2.727 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -1.671 | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -2.291 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -2.005 | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -2.688 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -2.794 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -1.430 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -2.559 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -0.652 | -0.0003 | -2.5 to 2.5 | Pass |
|       | 1882.5 | 50 | 0 | 20  | 6.12 | -1.420 | -0.0008 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | -3.724 | -0.0020 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | -2.093 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -3.523 | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -3.705 | -0.0020 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -2.998 | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -1.964 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -3.305 | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -2.023 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -3.327 | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -1.342 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 6.12 | 1.376  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | 1.091  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | 1.999  | 0.0011  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -0.772 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | 0.597  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -0.163 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | 0.090  | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | 1.270  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -0.272 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | 1.237  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | 1.615  | 0.0009  | -2.5 to 2.5 | Pass |
|       | 1910   | 50 | 0 | 20  | 6.12 | -2.932 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | -3.413 | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | -1.953 | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -2.872 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -3.018 | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -2.217 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -3.208 | -0.0017 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -2.444 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -3.036 | -0.0016 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -2.650 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -2.059 | -0.0011 | -2.5 to 2.5 | Pass |

## 2.5 B25\_15MHz

### 2.5.1 Test Result

| Band: 25 / 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         | 6.12          | -3.505           | -0.0019               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 7.20          | -3.597           | -0.0019               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 8.28          | -2.310           | -0.0012               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 7.20          | -1.617           | -0.0009               | -2.5 to 2.5 | Pass    |





|       |        |    |   |     |      |        |         |             |      |
|-------|--------|----|---|-----|------|--------|---------|-------------|------|
|       |        |    |   | -20 | 7.20 | -2.330 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -2.252 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -3.381 | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -2.052 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -2.810 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -4.093 | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -2.188 | -0.0012 | -2.5 to 2.5 | Pass |
|       | 1882.5 | 75 | 0 | 20  | 6.12 | 0.944  | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | 0.571  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | 1.337  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | 0.442  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | 0.254  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | 1.922  | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | 0.747  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | 0.501  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | 0.460  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | 1.119  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | 0.796  | 0.0004  | -2.5 to 2.5 | Pass |
|       | 1907.5 | 75 | 0 | 20  | 6.12 | -0.091 | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | 1.177  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | 1.096  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | 0.592  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | 0.734  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | 1.217  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -0.116 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -0.480 | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -0.601 | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -0.338 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -0.526 | -0.0003 | -2.5 to 2.5 | Pass |
| 16QAM | 1857.5 | 75 | 0 | 20  | 6.12 | -2.872 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | -3.275 | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | -4.009 | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -3.648 | -0.0020 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -3.860 | -0.0021 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -3.160 | -0.0017 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -4.400 | -0.0024 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -4.013 | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -2.736 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -3.302 | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -4.216 | -0.0023 | -2.5 to 2.5 | Pass |
|       | 1882.5 | 75 | 0 | 20  | 6.12 | 0.834  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | 0.955  | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | 0.329  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | 1.064  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | 1.285  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | 1.730  | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | 0.296  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | 0.469  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | 0.249  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | 0.123  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -0.162 | -0.0001 | -2.5 to 2.5 | Pass |
|       | 1907.5 | 75 | 0 | 20  | 6.12 | 0.391  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | 0.254  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | 0.400  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -0.186 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -0.472 | -0.0002 | -2.5 to 2.5 | Pass |



|       |        |    |   |     |      |        |         |             |      |
|-------|--------|----|---|-----|------|--------|---------|-------------|------|
| 64QAM |        |    |   | -10 | 7.20 | 1.071  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -0.326 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | 0.157  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | 0.248  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | 0.295  | 0.0002  | -2.5 to 2.5 | Pass |
|       | 1857.5 | 75 | 0 | 50  | 7.20 | 0.335  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 6.12 | -3.828 | -0.0021 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | -3.199 | -0.0017 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | -3.832 | -0.0021 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | -3.418 | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -3.872 | -0.0021 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | -4.836 | -0.0026 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -4.150 | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -3.403 | -0.0018 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -3.816 | -0.0021 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | -3.502 | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -4.327 | -0.0023 | -2.5 to 2.5 | Pass |
|       | 1882.5 | 75 | 0 | 20  | 6.12 | 0.316  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | 0.664  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | 0.709  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | 1.075  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -0.051 | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | 1.882  | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | 0.443  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | 0.296  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | 0.528  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | 0.016  | 0.0000  | -2.5 to 2.5 | Pass |
|       | 1907.5 | 75 | 0 | 50  | 7.20 | 0.067  | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 6.12 | 1.316  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 7.20 | -0.724 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 8.28 | 0.229  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 7.20 | 0.107  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 7.20 | -0.730 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 7.20 | 0.047  | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 7.20 | -0.196 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 7.20 | -0.062 | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 7.20 | -0.342 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 7.20 | 0.285  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 7.20 | -0.610 | -0.0003 | -2.5 to 2.5 | Pass |

## 2.6 B25\_20MHz

### 2.6.1 Test Result

| Band: 25 / 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         | 6.12          | 0.525            | 0.0003                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 7.20          | 0.028            | 0.0000                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 8.28          | 0.738            | 0.0004                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 7.20          | -0.334           | -0.0002               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 7.20          | 1.107            | 0.0006                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 7.20          | -0.730           | -0.0004               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 7.20          | -0.683           | -0.0004               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            |               |                  |                       |             |         |



|       |        |        |         |         |             |        |         |             |       |
|-------|--------|--------|---------|---------|-------------|--------|---------|-------------|-------|
|       |        |        |         | 10      | 7.20        | 0.053  | 0.0000  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 30      | 7.20        | 1.735  | 0.0009  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 40      | 7.20        | 2.085  | 0.0011  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 50      | 7.20        | -0.312 | -0.0002 | -2.5 to 2.5 | Pass  |
|       | 1882.5 | 100    | 0       | 20      | 6.12        | 0.887  | 0.0005  | -2.5 to 2.5 | Pass  |
|       |        |        |         |         | 7.20        | 0.310  | 0.0002  | -2.5 to 2.5 | Pass  |
|       |        |        |         |         | 8.28        | 1.140  | 0.0006  | -2.5 to 2.5 | Pass  |
|       |        |        |         | -30     | 7.20        | 0.574  | 0.0003  | -2.5 to 2.5 | Pass  |
|       |        |        |         | -20     | 7.20        | 0.176  | 0.0001  | -2.5 to 2.5 | Pass  |
|       |        |        |         | -10     | 7.20        | 2.842  | 0.0015  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 0       | 7.20        | 0.884  | 0.0005  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 10      | 7.20        | 0.355  | 0.0002  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 30      | 7.20        | 0.088  | 0.0000  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 40      | 7.20        | 0.854  | 0.0005  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 50      | 7.20        | 0.049  | 0.0000  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 1905    | 100         | 0      | 20      | 6.12        | 1.045 |
|       | 7.20   | -0.191 | -0.0001 |         |             |        |         | -2.5 to 2.5 | Pass  |
|       | 8.28   | -0.015 | 0.0000  |         |             |        |         | -2.5 to 2.5 | Pass  |
|       | -30    | 7.20   | 1.424   |         |             |        | 0.0007  | -2.5 to 2.5 | Pass  |
|       | -20    | 7.20   | 0.563   |         |             |        | 0.0003  | -2.5 to 2.5 | Pass  |
|       | -10    | 7.20   | 1.402   |         |             |        | 0.0007  | -2.5 to 2.5 | Pass  |
|       | 0      | 7.20   | 1.026   |         |             |        | 0.0005  | -2.5 to 2.5 | Pass  |
|       | 10     | 7.20   | 1.325   |         |             |        | 0.0007  | -2.5 to 2.5 | Pass  |
|       | 30     | 7.20   | 0.583   |         |             |        | 0.0003  | -2.5 to 2.5 | Pass  |
|       | 40     | 7.20   | 0.960   |         |             |        | 0.0005  | -2.5 to 2.5 | Pass  |
|       | 50     | 7.20   | -0.153  | -0.0001 | -2.5 to 2.5 | Pass   |         |             |       |
| 16QAM | 1860   | 100    | 0       | 20      | 6.12        | -0.689 | -0.0004 | -2.5 to 2.5 | Pass  |
|       |        |        |         |         | 7.20        | 1.806  | 0.0010  | -2.5 to 2.5 | Pass  |
|       |        |        |         |         | 8.28        | -1.153 | -0.0006 | -2.5 to 2.5 | Pass  |
|       |        |        |         | -30     | 7.20        | 1.030  | 0.0006  | -2.5 to 2.5 | Pass  |
|       |        |        |         | -20     | 7.20        | 0.490  | 0.0003  | -2.5 to 2.5 | Pass  |
|       |        |        |         | -10     | 7.20        | -0.210 | -0.0001 | -2.5 to 2.5 | Pass  |
|       |        |        |         | 0       | 7.20        | 1.600  | 0.0009  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 10      | 7.20        | 0.329  | 0.0002  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 30      | 7.20        | -0.270 | -0.0001 | -2.5 to 2.5 | Pass  |
|       |        |        |         | 40      | 7.20        | 0.452  | 0.0002  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 50      | 7.20        | 0.657  | 0.0004  | -2.5 to 2.5 | Pass  |
|       | 1882.5 | 100    | 0       | 20      | 6.12        | 2.638  | 0.0014  | -2.5 to 2.5 | Pass  |
|       |        |        |         |         | 7.20        | 1.267  | 0.0007  | -2.5 to 2.5 | Pass  |
|       |        |        |         |         | 8.28        | -0.958 | -0.0005 | -2.5 to 2.5 | Pass  |
|       |        |        |         | -30     | 7.20        | 0.808  | 0.0004  | -2.5 to 2.5 | Pass  |
|       |        |        |         | -20     | 7.20        | 0.629  | 0.0003  | -2.5 to 2.5 | Pass  |
|       |        |        |         | -10     | 7.20        | 0.616  | 0.0003  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 0       | 7.20        | 1.434  | 0.0008  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 10      | 7.20        | 2.084  | 0.0011  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 30      | 7.20        | 0.863  | 0.0005  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 40      | 7.20        | 1.560  | 0.0008  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 50      | 7.20        | 0.478  | 0.0003  | -2.5 to 2.5 | Pass  |
|       | 1905   | 100    | 0       | 20      | 6.12        | 0.030  | 0.0000  | -2.5 to 2.5 | Pass  |
|       |        |        |         |         | 7.20        | 1.836  | 0.0010  | -2.5 to 2.5 | Pass  |
|       |        |        |         |         | 8.28        | 0.136  | 0.0001  | -2.5 to 2.5 | Pass  |
|       |        |        |         | -30     | 7.20        | -0.434 | -0.0002 | -2.5 to 2.5 | Pass  |
|       |        |        |         | -20     | 7.20        | 0.508  | 0.0003  | -2.5 to 2.5 | Pass  |
|       |        |        |         | -10     | 7.20        | -0.353 | -0.0002 | -2.5 to 2.5 | Pass  |
|       |        |        |         | 0       | 7.20        | 0.172  | 0.0001  | -2.5 to 2.5 | Pass  |
|       |        |        |         | 10      | 7.20        | 0.953  | 0.0005  | -2.5 to 2.5 | Pass  |



|       |        |     |   |     |      |        |         |             |      |
|-------|--------|-----|---|-----|------|--------|---------|-------------|------|
|       |        |     |   | 30  | 7.20 | 2.740  | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |     |   | 40  | 7.20 | 1.513  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |     |   | 50  | 7.20 | 1.807  | 0.0009  | -2.5 to 2.5 | Pass |
| 64QAM | 1860   | 100 | 0 | 20  | 6.12 | 1.270  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |     |   |     | 7.20 | 0.759  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |     |   |     | 8.28 | 1.454  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |     |   | -30 | 7.20 | 0.224  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |     |   | -20 | 7.20 | 0.382  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |     |   | -10 | 7.20 | 1.394  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |     |   | 0   | 7.20 | 1.283  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |     |   | 10  | 7.20 | 1.686  | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |     |   | 30  | 7.20 | 2.285  | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |     |   | 40  | 7.20 | 1.185  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |     |   | 50  | 7.20 | 0.832  | 0.0004  | -2.5 to 2.5 | Pass |
|       | 1882.5 | 100 | 0 | 20  | 6.12 | 0.505  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |     |   |     | 7.20 | -0.788 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |     |   |     | 8.28 | 0.424  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |     |   | -30 | 7.20 | 1.555  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |     |   | -20 | 7.20 | 0.557  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |     |   | -10 | 7.20 | 0.574  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |     |   | 0   | 7.20 | 0.665  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |     |   | 10  | 7.20 | 1.804  | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |     |   | 30  | 7.20 | 0.986  | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |     |   | 40  | 7.20 | 1.380  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |     |   | 50  | 7.20 | 0.857  | 0.0005  | -2.5 to 2.5 | Pass |
|       | 1905   | 100 | 0 | 20  | 6.12 | -0.079 | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |     |   |     | 7.20 | -0.027 | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |     |   |     | 8.28 | -0.058 | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |     |   | -30 | 7.20 | -0.015 | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |     |   | -20 | 7.20 | 0.950  | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |     |   | -10 | 7.20 | 0.439  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |     |   | 0   | 7.20 | 1.342  | 0.0007  | -2.5 to 2.5 | Pass |
|       |        |     |   | 10  | 7.20 | 0.882  | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |     |   | 30  | 7.20 | 0.080  | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |     |   | 40  | 7.20 | 0.332  | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |     |   | 50  | 7.20 | 0.630  | 0.0003  | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

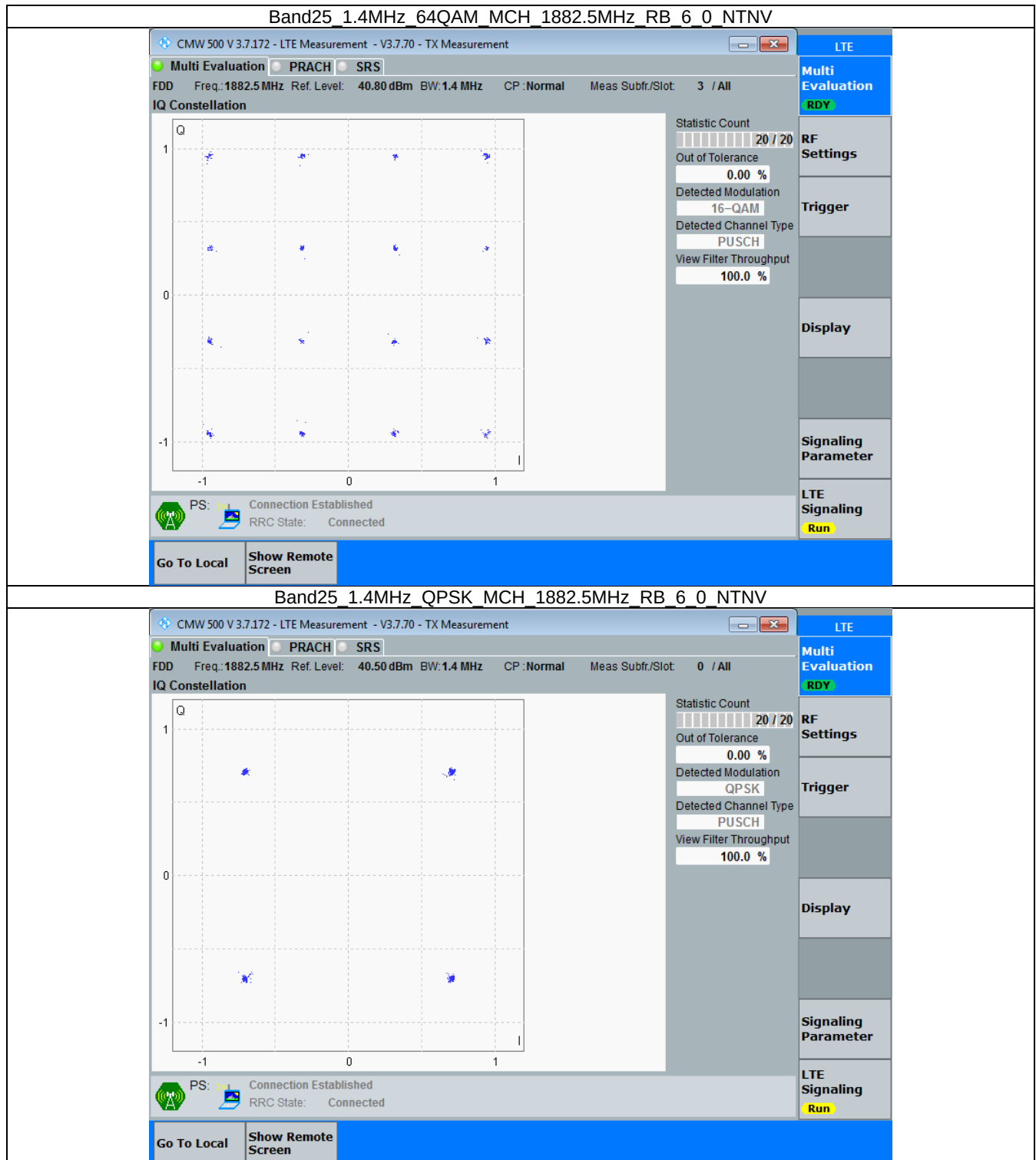
#### 3.1 B25\_1.4MHz

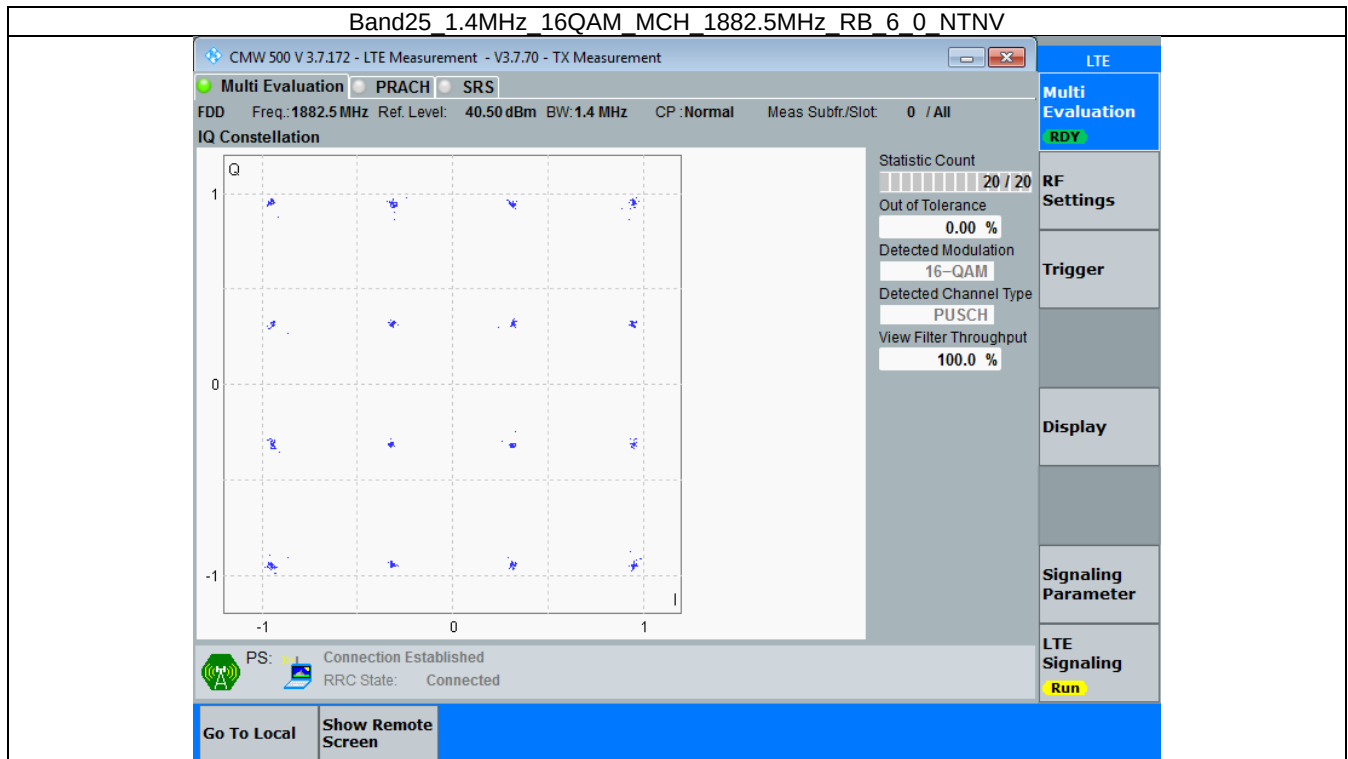
##### 3.1.1 Test Result

| Band: 25 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                            |       |
|-------------------------------------|-----------------|---------------|--------|----------------------------|-------|
| Modulation                          | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       |
|                                     |                 | Size          | Offset | Result                     | Limit |
| 64QAM                               | 1882.5          | 6             | 0      | Refer To Test Graph        | Pass  |
| QPSK                                | 1882.5          | 6             | 0      | Refer To Test Graph        | Pass  |
| 16QAM                               | 1882.5          | 6             | 0      | Refer To Test Graph        | Pass  |



## 3.1.2 Test Graph







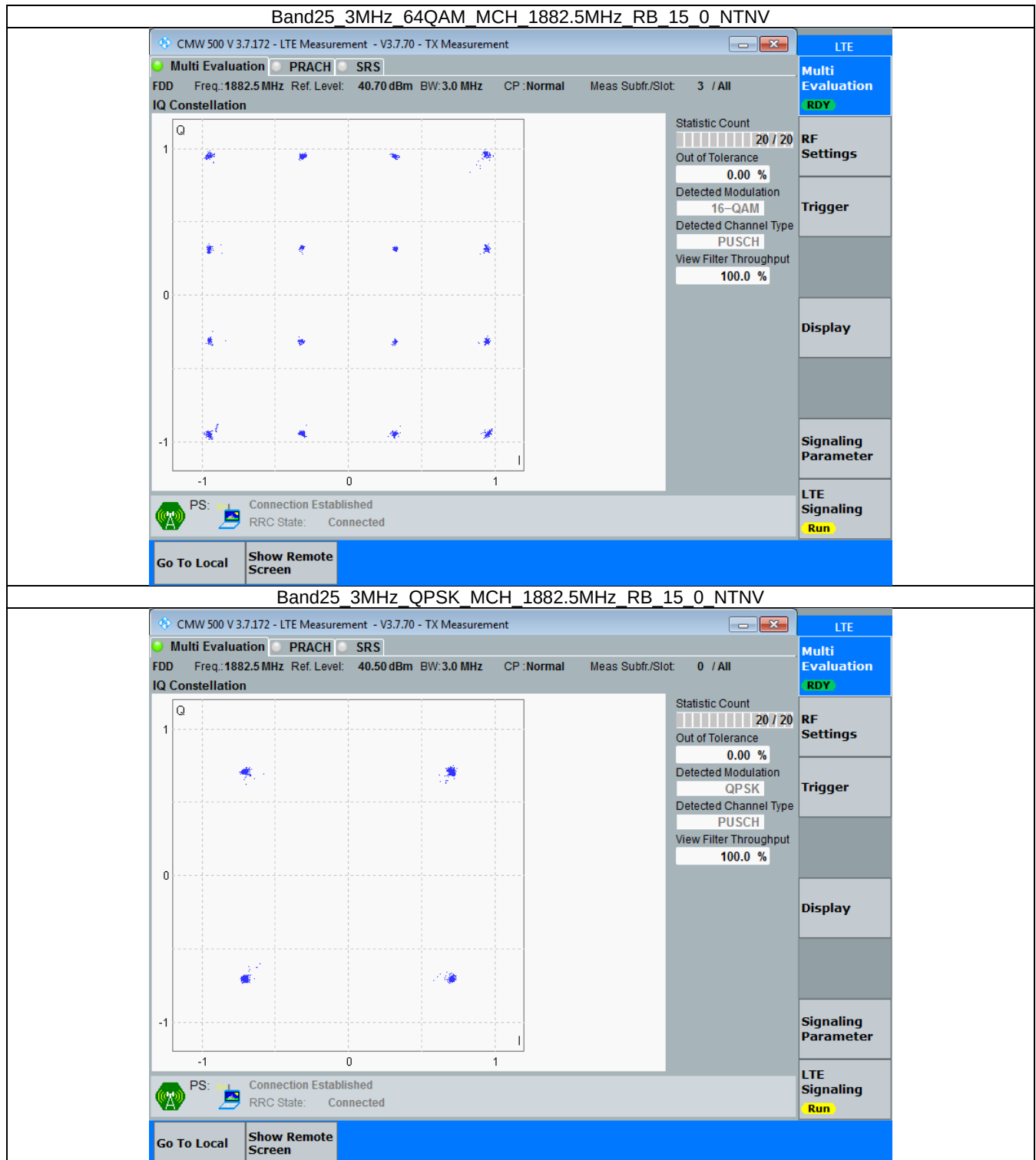
### 3.2 B25\_3MHz

#### 3.2.1 Test Result

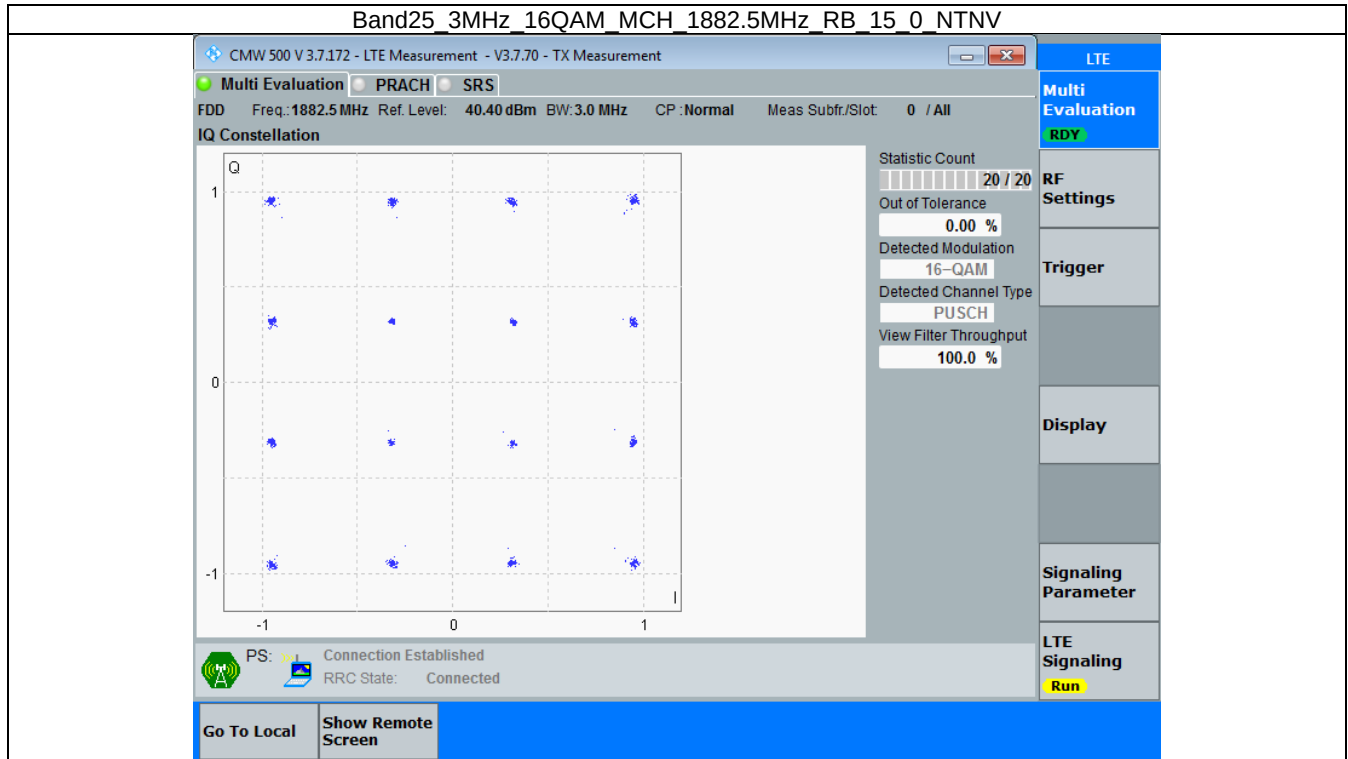
| Band: 25 / Bandwidth: 3MHz / NTNV |                    |               |        |                            |         |
|-----------------------------------|--------------------|---------------|--------|----------------------------|---------|
| Modulation                        | Frequency<br>(MHz) | RB Allocation |        | Modulation Characteristics | Verdict |
|                                   |                    | Size          | Offset | Result                     | Limit   |
| 64QAM                             | 1882.5             | 15            | 0      | Refer To Test Graph        | Pass    |
| QPSK                              | 1882.5             | 15            | 0      | Refer To Test Graph        | Pass    |
| 16QAM                             | 1882.5             | 15            | 0      | Refer To Test Graph        | Pass    |



## 3.2.2 Test Graph









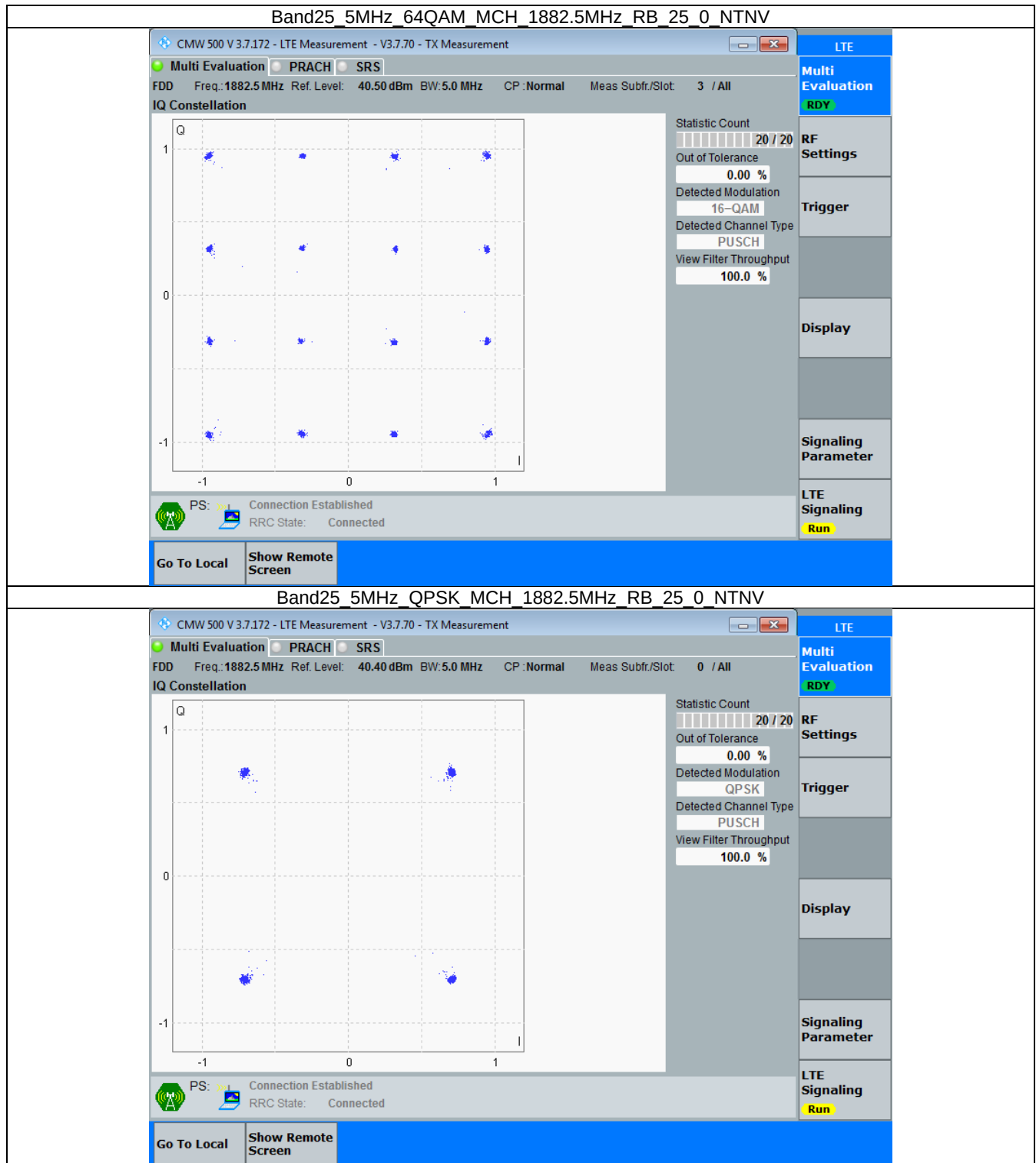
### 3.3 B25\_5MHz

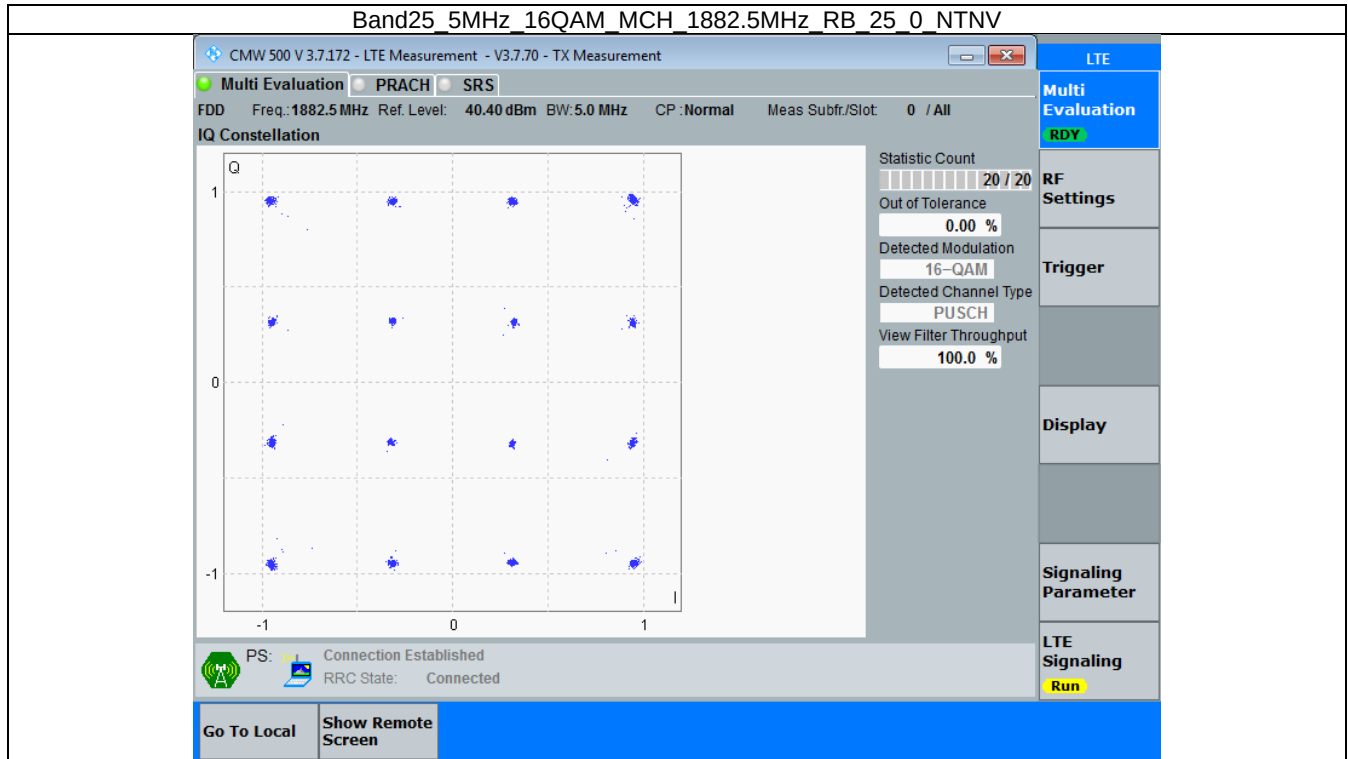
#### 3.3.1 Test Result

| Band: 25 / Bandwidth: 5MHz / NTNV |                    |               |        |                            |       |
|-----------------------------------|--------------------|---------------|--------|----------------------------|-------|
| Modulation                        | Frequency<br>(MHz) | RB Allocation |        | Modulation Characteristics |       |
|                                   |                    | Size          | Offset | Result                     | Limit |
| 64QAM                             | 1882.5             | 25            | 0      | Refer To Test Graph        | Pass  |
| QPSK                              | 1882.5             | 25            | 0      | Refer To Test Graph        | Pass  |
| 16QAM                             | 1882.5             | 25            | 0      | Refer To Test Graph        | Pass  |



## 3.3.2 Test Graph







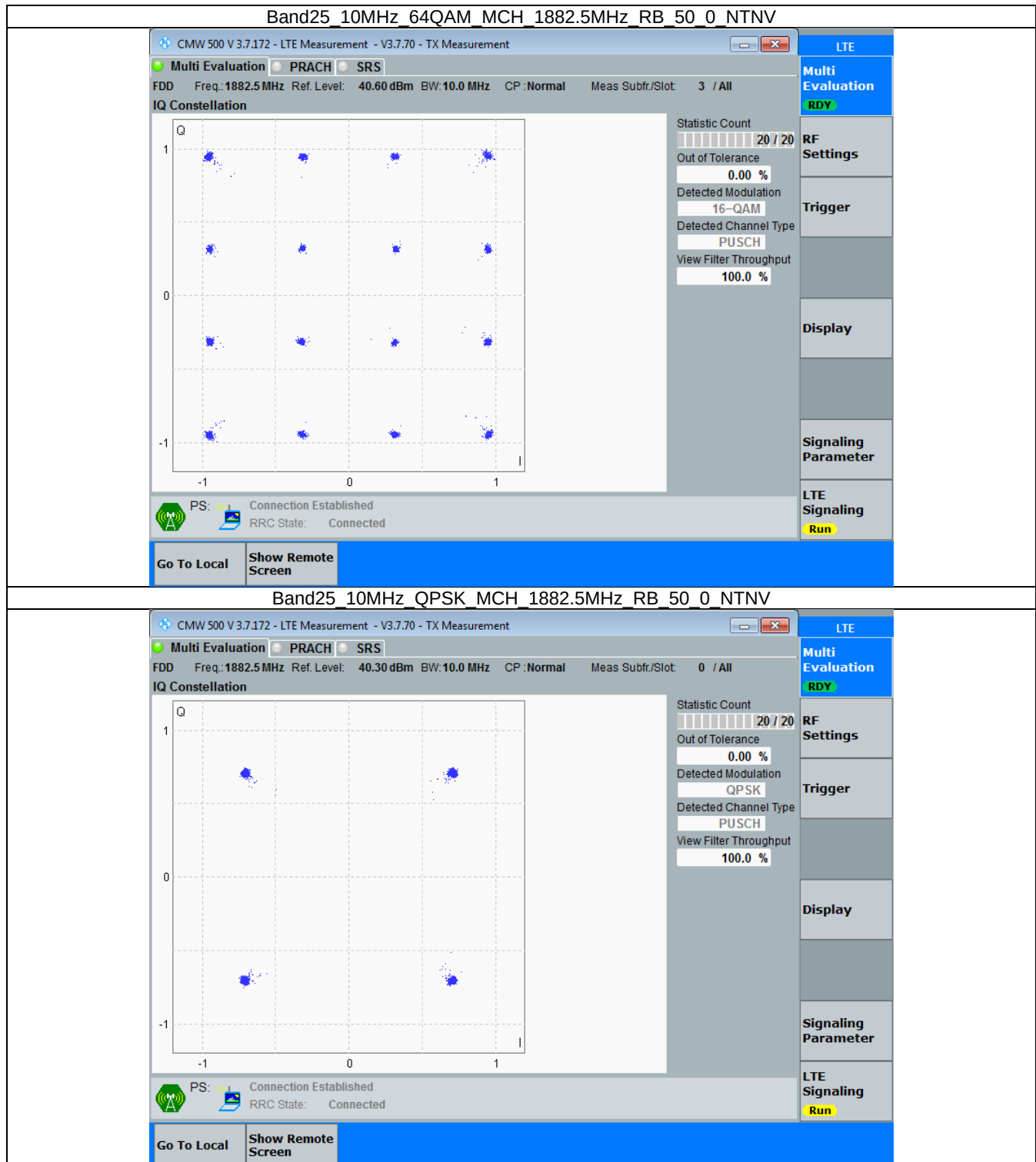
### 3.4 B25\_10MHz

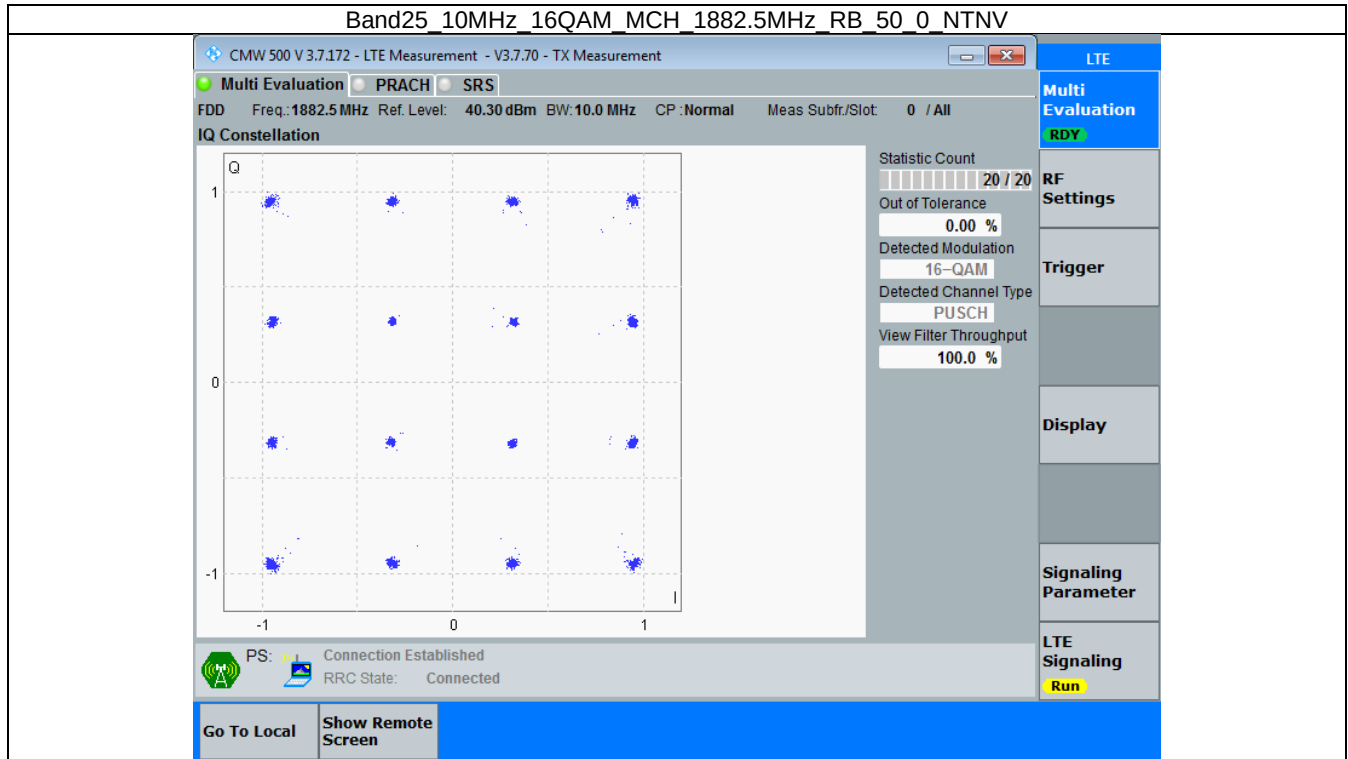
#### 3.4.1 Test Result

| Band: 25 / Bandwidth: 10MHz / NTNV |                    |               |        |                            |       |
|------------------------------------|--------------------|---------------|--------|----------------------------|-------|
| Modulation                         | Frequency<br>(MHz) | RB Allocation |        | Modulation Characteristics |       |
|                                    |                    | Size          | Offset | Result                     | Limit |
| 64QAM                              | 1882.5             | 50            | 0      | Refer To Test Graph        | Pass  |
| QPSK                               | 1882.5             | 50            | 0      | Refer To Test Graph        | Pass  |
| 16QAM                              | 1882.5             | 50            | 0      | Refer To Test Graph        | Pass  |



## 3.4.2 Test Graph







### 3.5 B25\_15MHz

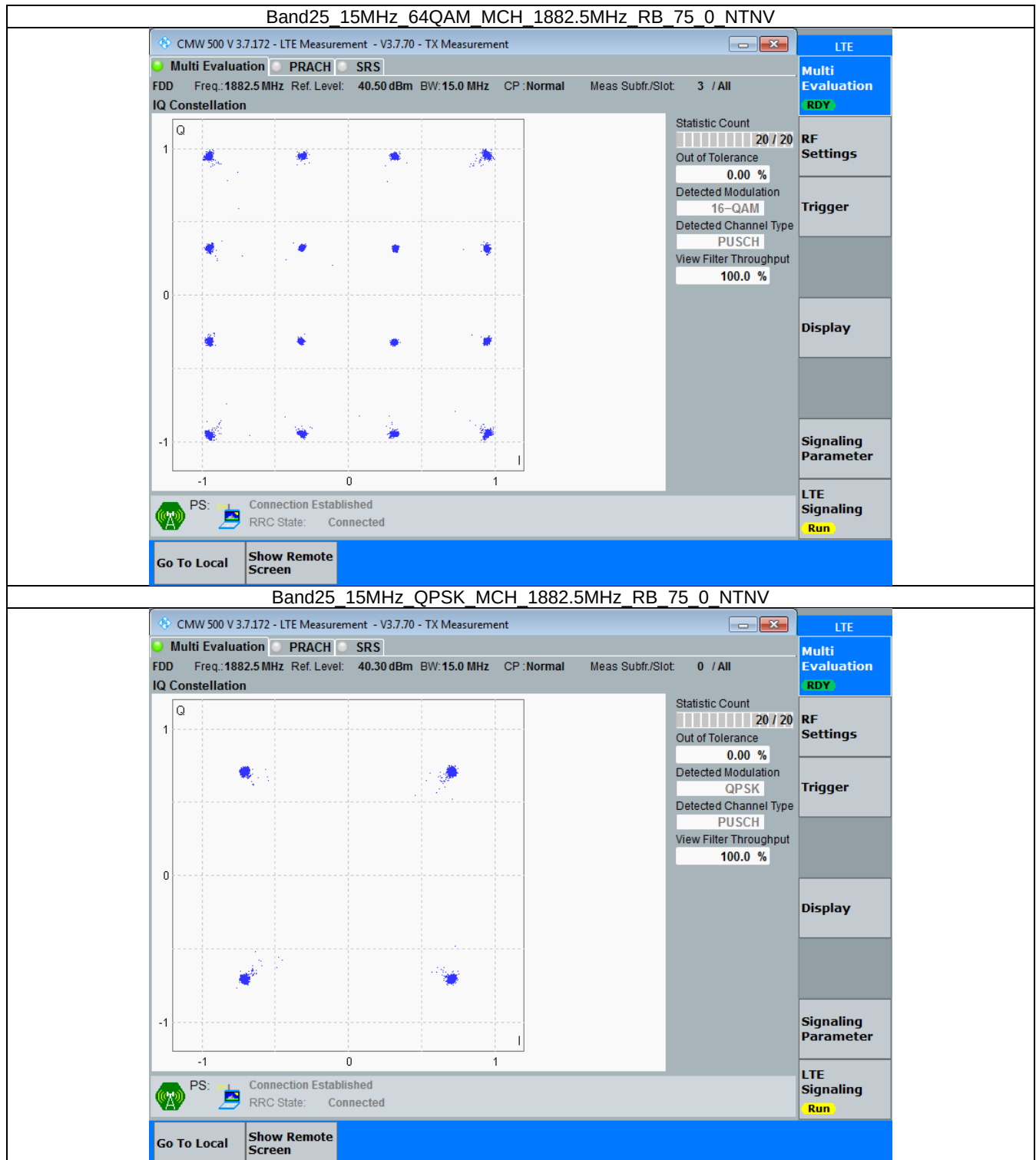
#### 3.5.1 Test Result

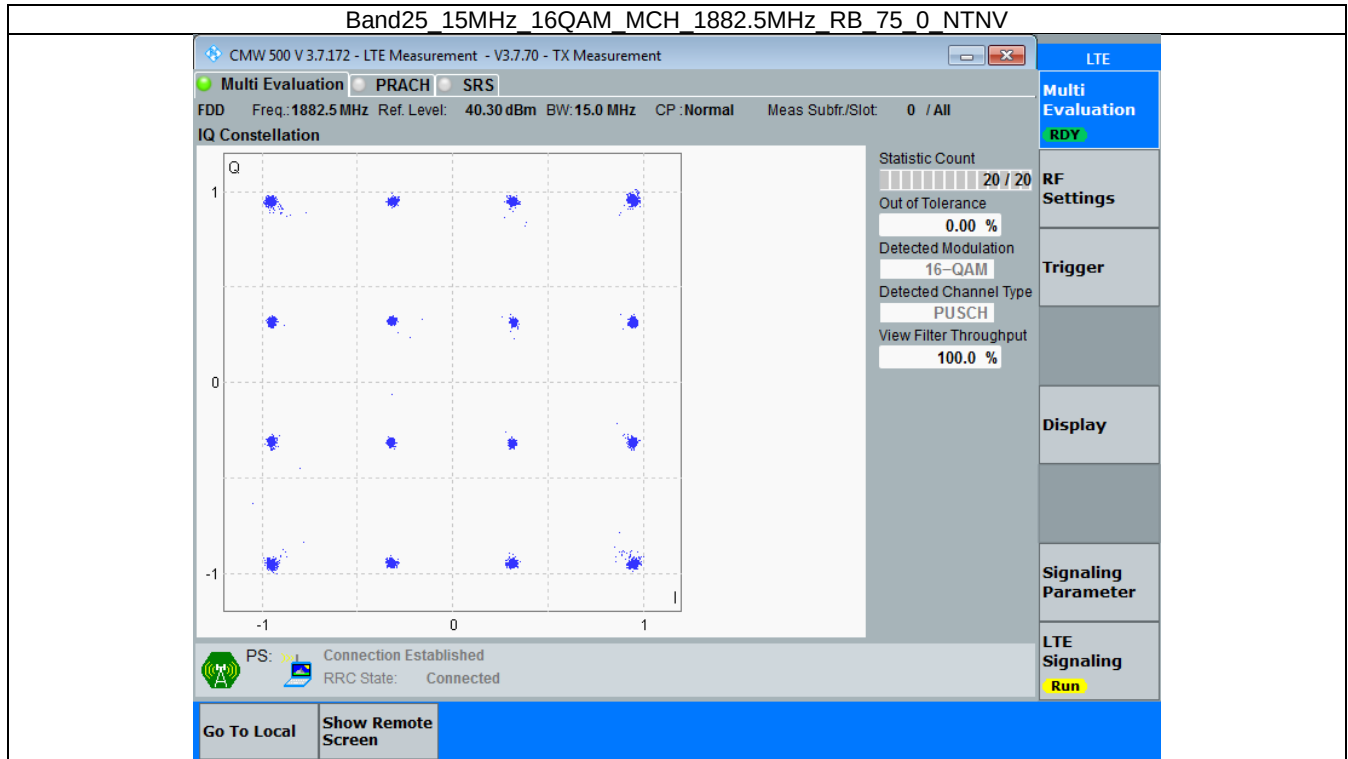
| Band: 25 / Bandwidth: 15MHz / NTNV |                    |               |        |                            |       |
|------------------------------------|--------------------|---------------|--------|----------------------------|-------|
| Modulation                         | Frequency<br>(MHz) | RB Allocation |        | Modulation Characteristics |       |
|                                    |                    | Size          | Offset | Result                     | Limit |
| 64QAM                              | 1882.5             | 75            | 0      | Refer To Test Graph        | Pass  |
| QPSK                               | 1882.5             | 75            | 0      | Refer To Test Graph        | Pass  |
| 16QAM                              | 1882.5             | 75            | 0      | Refer To Test Graph        | Pass  |





## 3.5.2 Test Graph







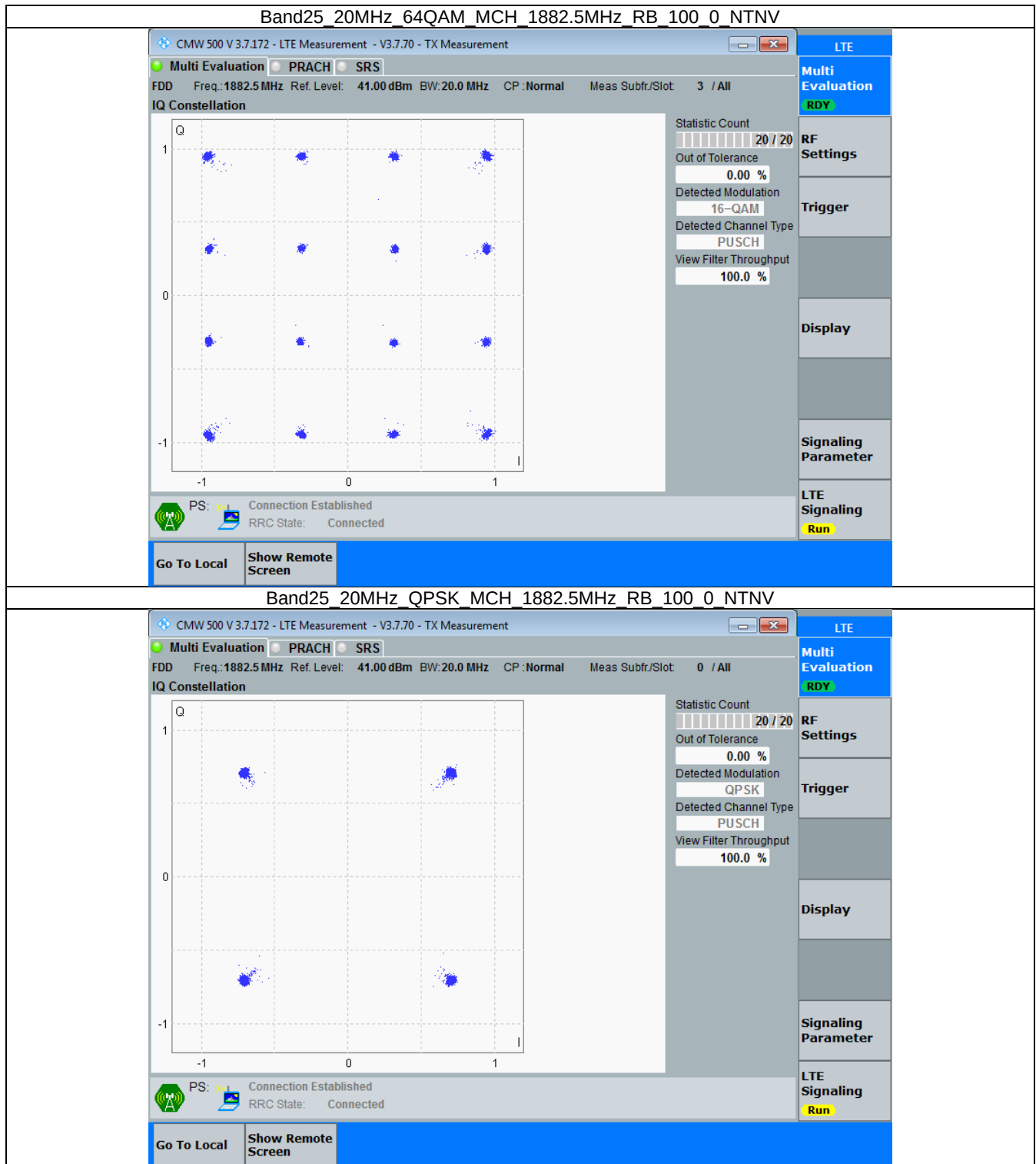
### 3.6 B25\_20MHz

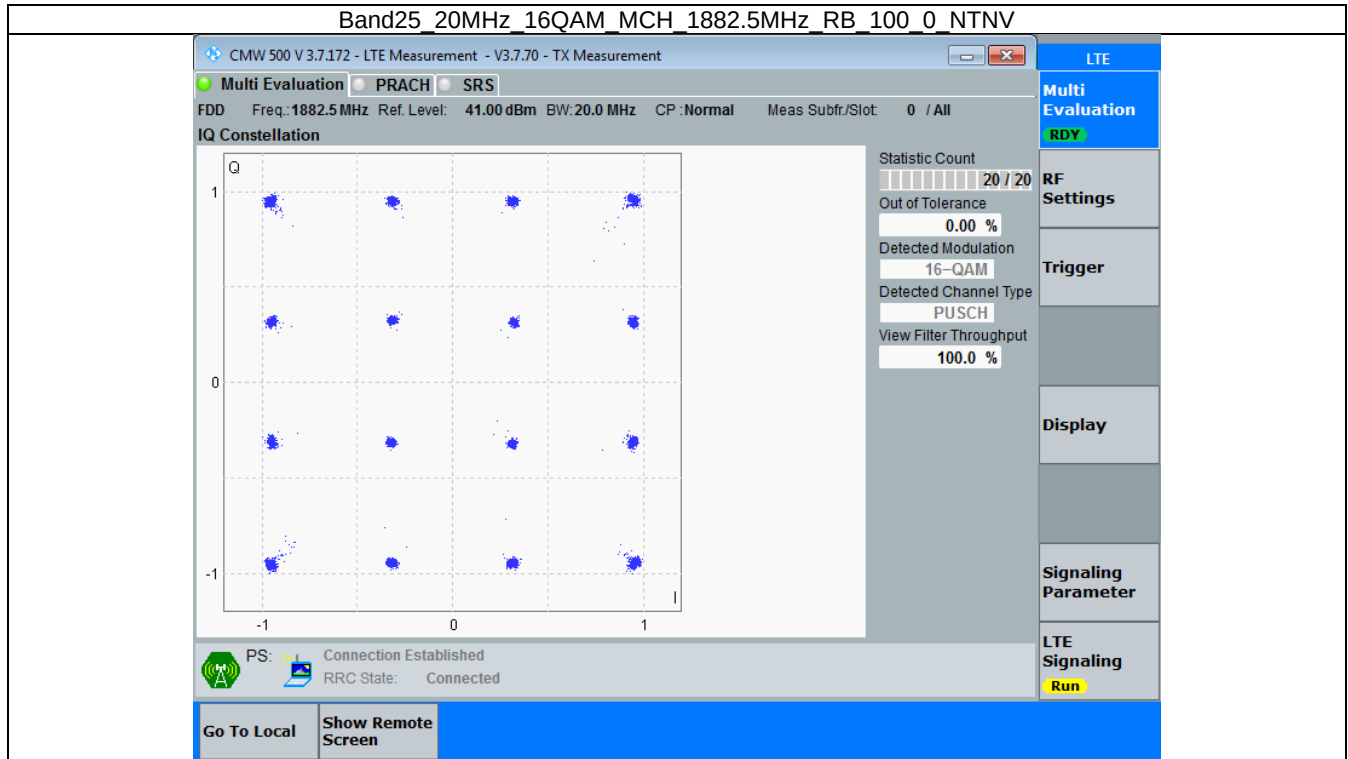
#### 3.6.1 Test Result

| Band: 25 / Bandwidth: 20MHz / NTNV |                    |               |        |                            |         |
|------------------------------------|--------------------|---------------|--------|----------------------------|---------|
| Modulation                         | Frequency<br>(MHz) | RB Allocation |        | Modulation Characteristics | Verdict |
|                                    |                    | Size          | Offset | Result                     | Limit   |
| 64QAM                              | 1882.5             | 100           | 0      | Refer To Test Graph        | Pass    |
| QPSK                               | 1882.5             | 100           | 0      | Refer To Test Graph        | Pass    |
| 16QAM                              | 1882.5             | 100           | 0      | Refer To Test Graph        | Pass    |



## 3.6.2 Test Graph







#### 4. 99% & 26dB Bandwidth

##### 4.1 Band25\_OBW

##### 4.1.1 Test Result

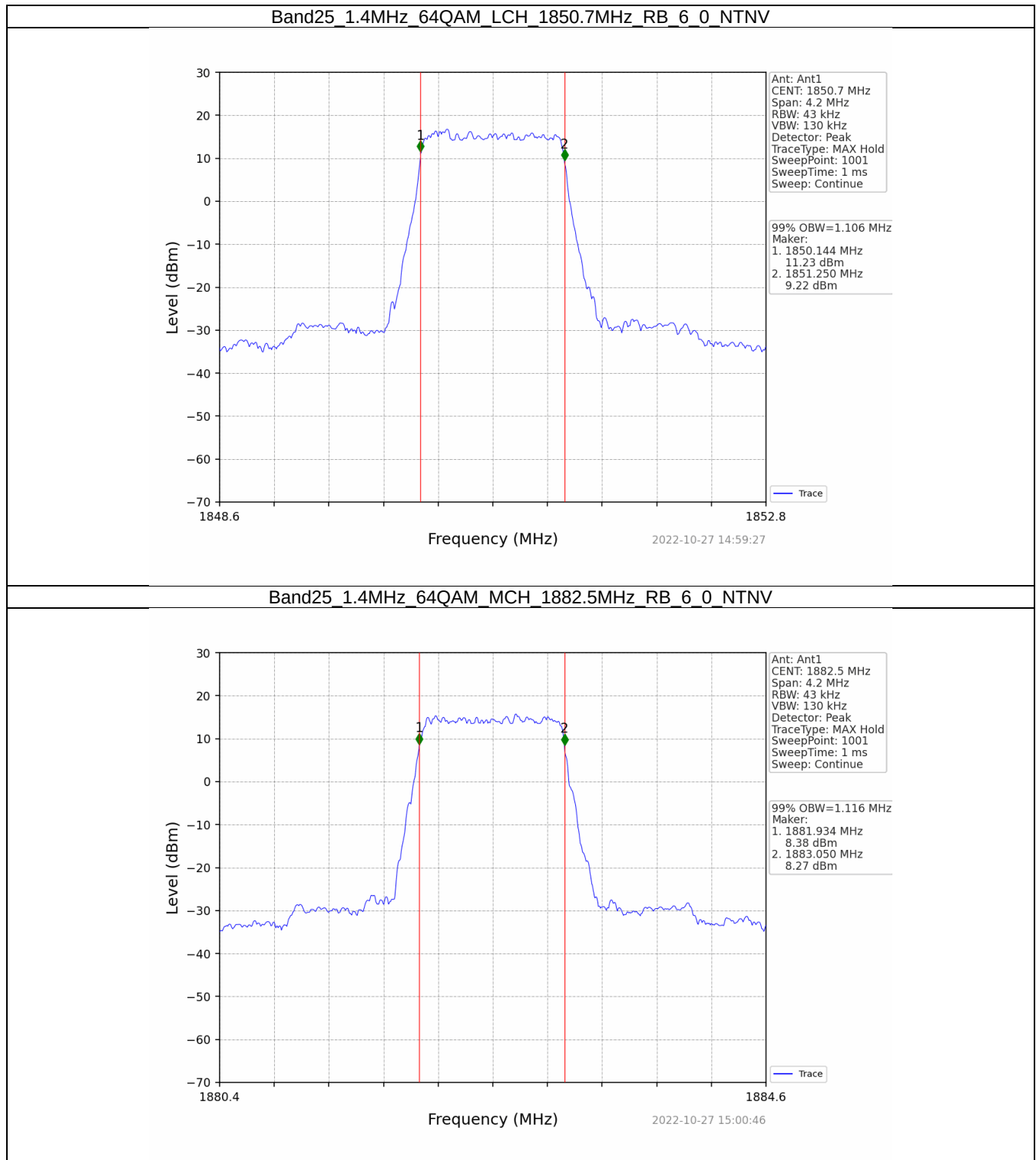
| Band: 25 / NTNV |            |                 |               |        |                              |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result                       |         |
| 1.4             | 64QAM      | 1850.7          | 6             | 0      | 1.106                        | Pass    |
|                 |            | 1882.5          | 6             | 0      | 1.116                        | Pass    |
|                 |            | 1914.3          | 6             | 0      | 1.119                        | Pass    |
| 3               | 64QAM      | 1851.5          | 15            | 0      | 2.728                        | Pass    |
|                 |            | 1882.5          | 15            | 0      | 2.729                        | Pass    |
|                 |            | 1913.5          | 15            | 0      | 2.728                        | Pass    |
| 5               | 64QAM      | 1852.5          | 25            | 0      | 4.532                        | Pass    |
|                 |            | 1882.5          | 25            | 0      | 4.536                        | Pass    |
|                 |            | 1912.5          | 25            | 0      | 4.548                        | Pass    |
| 10              | 64QAM      | 1855            | 50            | 0      | 8.998                        | Pass    |
|                 |            | 1882.5          | 50            | 0      | 9.020                        | Pass    |
|                 |            | 1910            | 50            | 0      | 8.975                        | Pass    |
| 15              | 64QAM      | 1857.5          | 75            | 0      | 13.491                       | Pass    |
|                 |            | 1882.5          | 75            | 0      | 13.555                       | Pass    |
|                 |            | 1907.5          | 75            | 0      | 13.493                       | Pass    |
| 20              | 64QAM      | 1860            | 100           | 0      | 17.966                       | Pass    |
|                 |            | 1882.5          | 100           | 0      | 18.023                       | Pass    |
|                 |            | 1905            | 100           | 0      | 18.007                       | Pass    |
| 1.4             | QPSK       | 1850.7          | 6             | 0      | 1.120                        | Pass    |
|                 |            | 1882.5          | 6             | 0      | 1.114                        | Pass    |
|                 |            | 1914.3          | 6             | 0      | 1.117                        | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.105                        | Pass    |
|                 |            | 1882.5          | 6             | 0      | 1.117                        | Pass    |
|                 |            | 1914.3          | 6             | 0      | 1.103                        | Pass    |
| 3               | QPSK       | 1851.5          | 15            | 0      | 2.750                        | Pass    |
|                 |            | 1882.5          | 15            | 0      | 2.738                        | Pass    |
|                 |            | 1913.5          | 15            | 0      | 2.730                        | Pass    |
|                 | 16QAM      | 1851.5          | 15            | 0      | 2.746                        | Pass    |
|                 |            | 1882.5          | 15            | 0      | 2.736                        | Pass    |
|                 |            | 1913.5          | 15            | 0      | 2.728                        | Pass    |
| 5               | QPSK       | 1852.5          | 25            | 0      | 4.559                        | Pass    |
|                 |            | 1882.5          | 25            | 0      | 4.550                        | Pass    |
|                 |            | 1912.5          | 25            | 0      | 4.555                        | Pass    |
|                 | 16QAM      | 1852.5          | 25            | 0      | 4.541                        | Pass    |
|                 |            | 1882.5          | 25            | 0      | 4.545                        | Pass    |
|                 |            | 1912.5          | 25            | 0      | 4.534                        | Pass    |
| 10              | QPSK       | 1855            | 50            | 0      | 9.041                        | Pass    |
|                 |            | 1882.5          | 50            | 0      | 9.023                        | Pass    |
|                 |            | 1910            | 50            | 0      | 8.958                        | Pass    |
|                 | 16QAM      | 1855            | 50            | 0      | 9.013                        | Pass    |
|                 |            | 1882.5          | 50            | 0      | 9.027                        | Pass    |
|                 |            | 1910            | 50            | 0      | 8.956                        | Pass    |
| 15              | QPSK       | 1857.5          | 75            | 0      | 13.501                       | Pass    |



|    |       |        |     |   |        |      |
|----|-------|--------|-----|---|--------|------|
|    | 16QAM | 1882.5 | 75  | 0 | 13.531 | Pass |
|    |       | 1907.5 | 75  | 0 | 13.443 | Pass |
|    |       | 1857.5 | 75  | 0 | 13.483 | Pass |
|    |       | 1882.5 | 75  | 0 | 13.526 | Pass |
|    |       | 1907.5 | 75  | 0 | 13.458 | Pass |
| 20 | QPSK  | 1860   | 100 | 0 | 18.012 | Pass |
|    |       | 1882.5 | 100 | 0 | 18.013 | Pass |
|    |       | 1905   | 100 | 0 | 17.967 | Pass |
|    | 16QAM | 1860   | 100 | 0 | 17.959 | Pass |
|    |       | 1882.5 | 100 | 0 | 18.004 | Pass |
|    |       | 1905   | 100 | 0 | 17.994 | Pass |



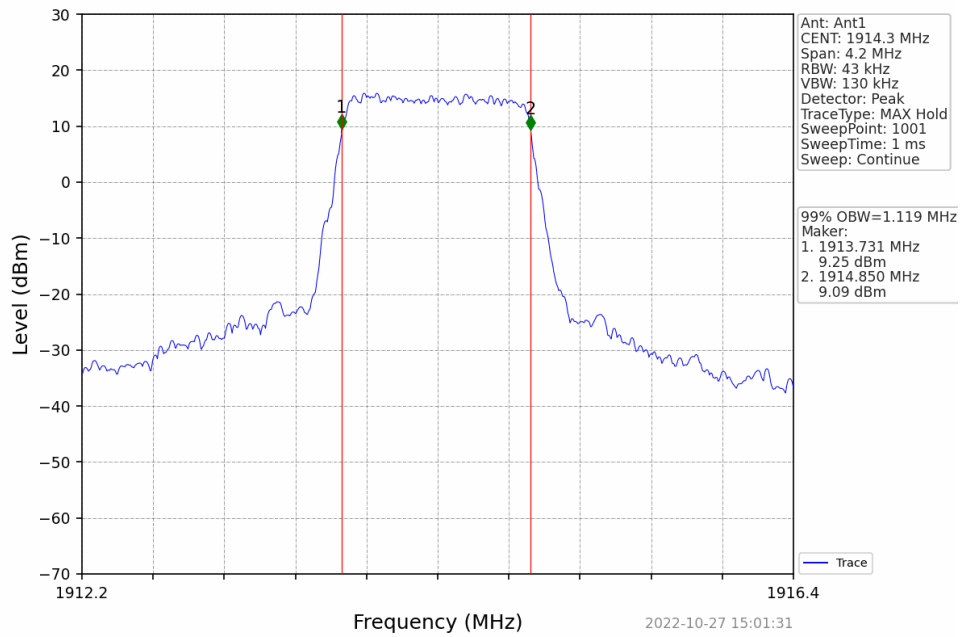
## 4.1.2 Test Graph



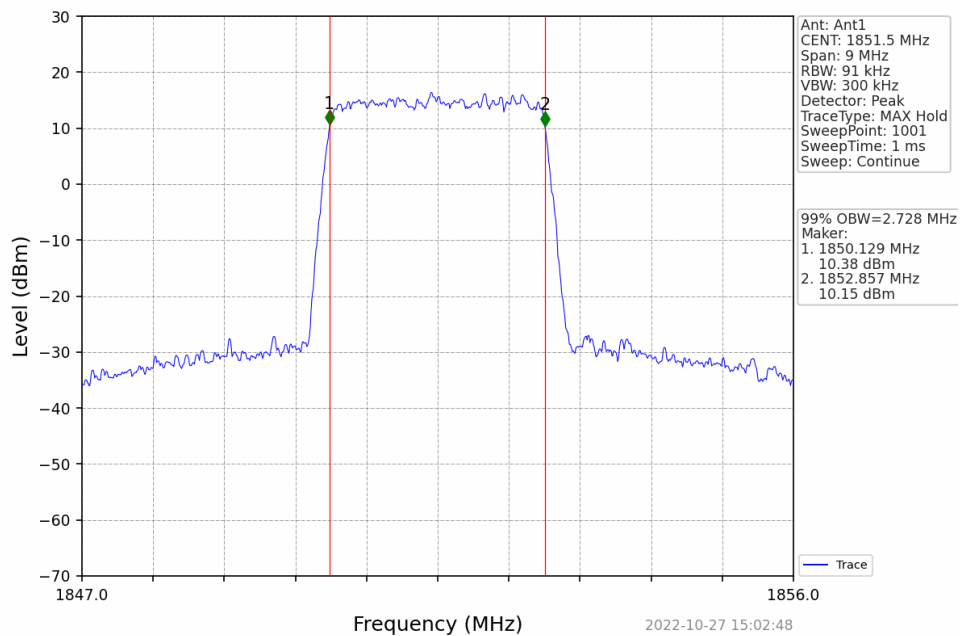




Band25\_1.4MHz\_64QAM\_HCH\_1914.3MHz\_RB\_6\_0\_NTNV

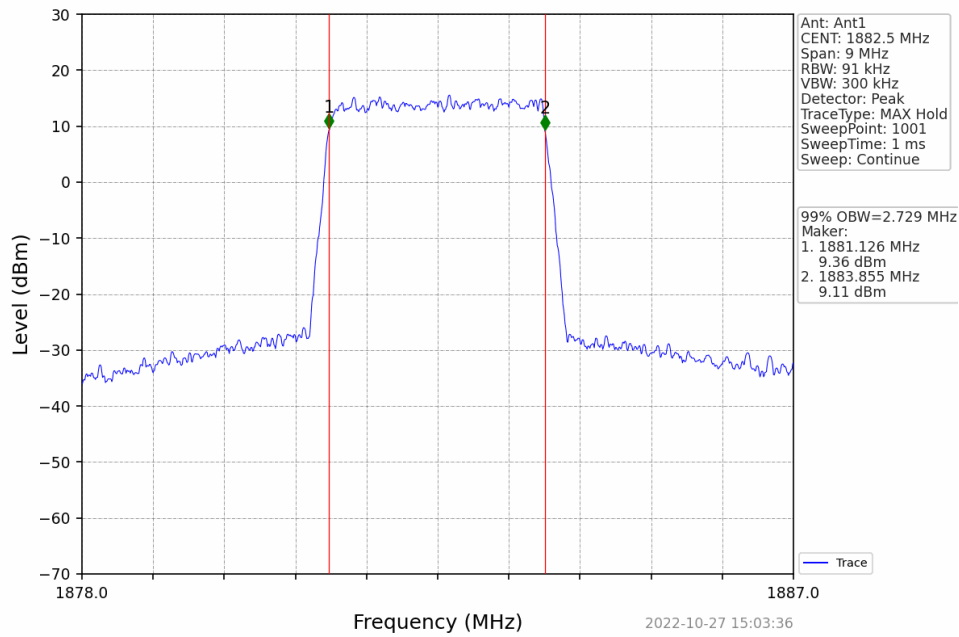


Band25\_3MHz\_64QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV

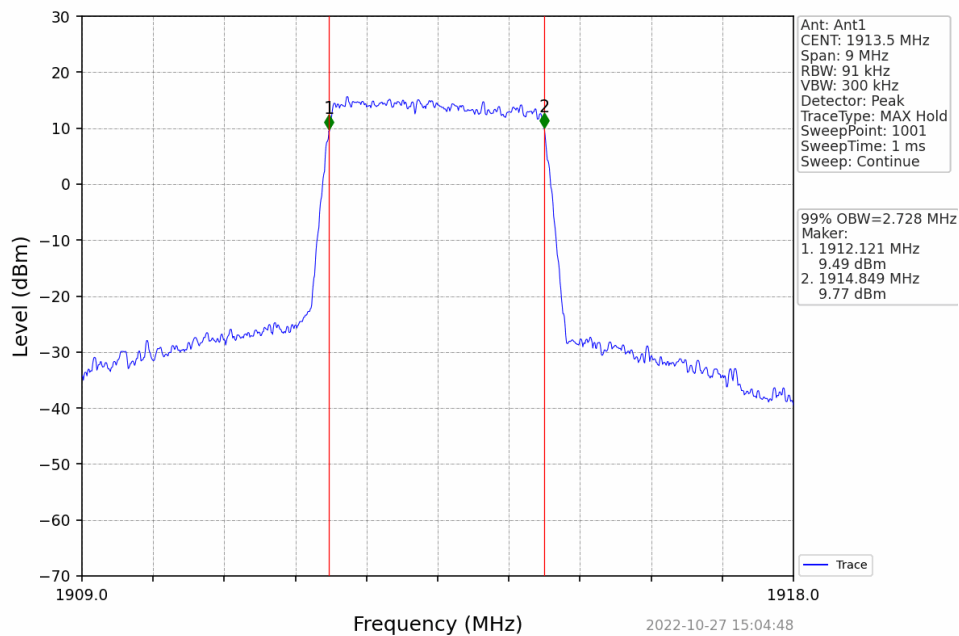




Band25\_3MHz\_64QAM\_MCH\_1882.5MHz\_RB\_15\_0\_NTNV

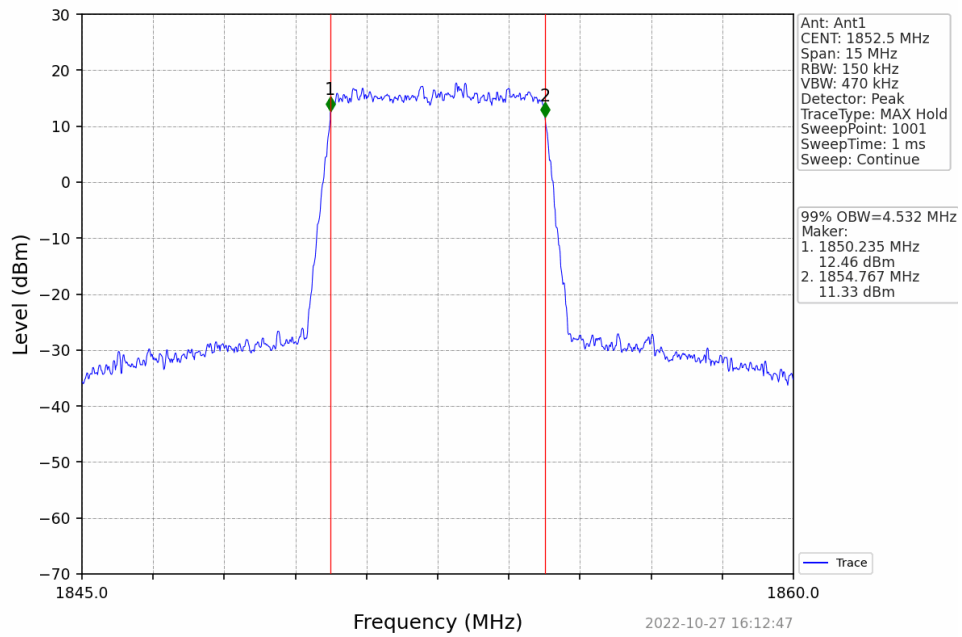


Band25\_3MHz\_64QAM\_HCH\_1913.5MHz\_RB\_15\_0\_NTNV

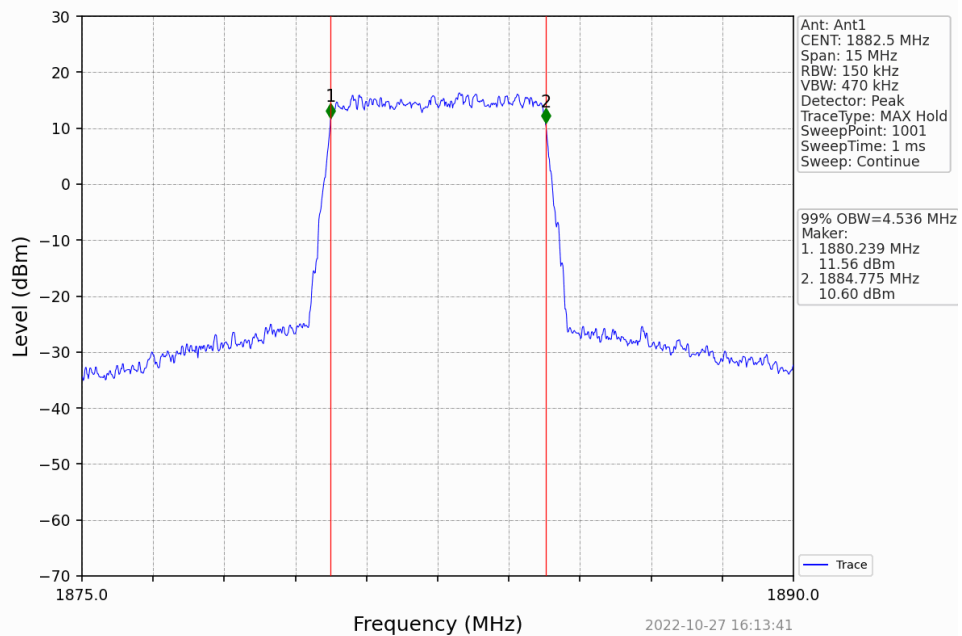




Band25\_5MHz\_64QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV

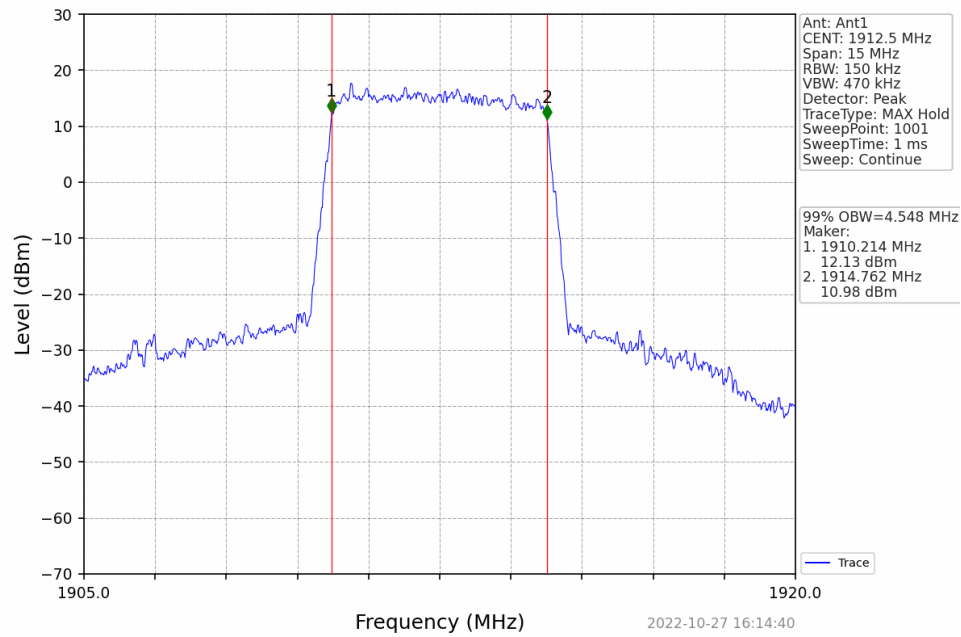


Band25\_5MHz\_64QAM\_MCH\_1882.5MHz\_RB\_25\_0\_NTNV

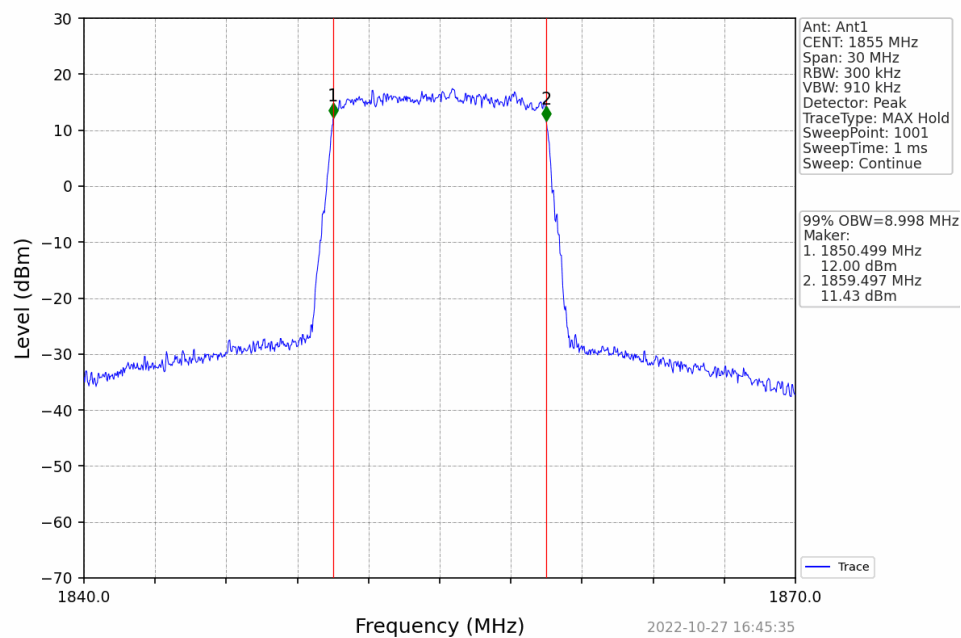




Band25\_5MHz\_64QAM\_HCH\_1912.5MHz\_RB\_25\_0\_NTNV

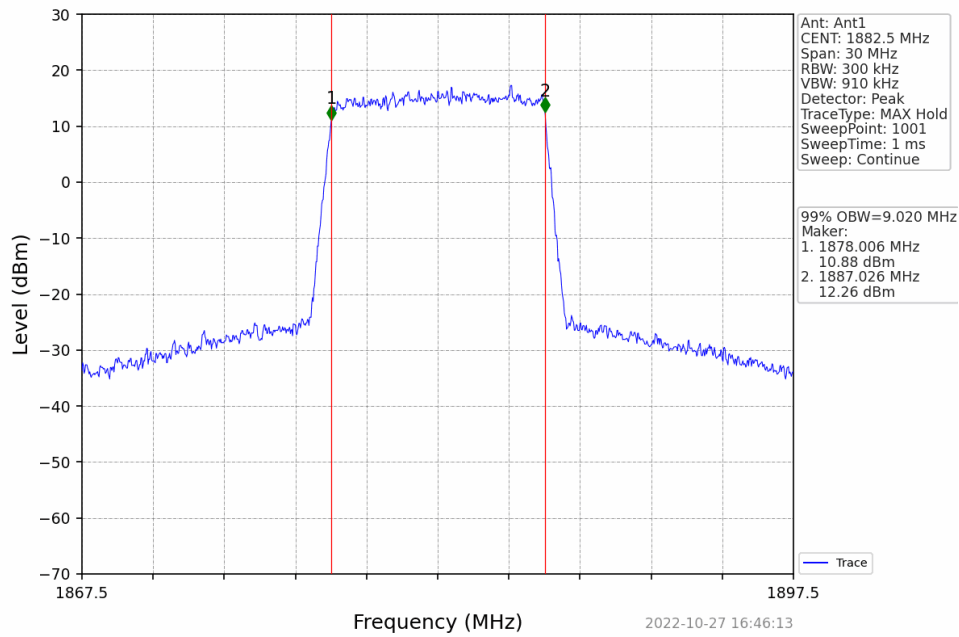


Band25\_10MHz\_64QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV

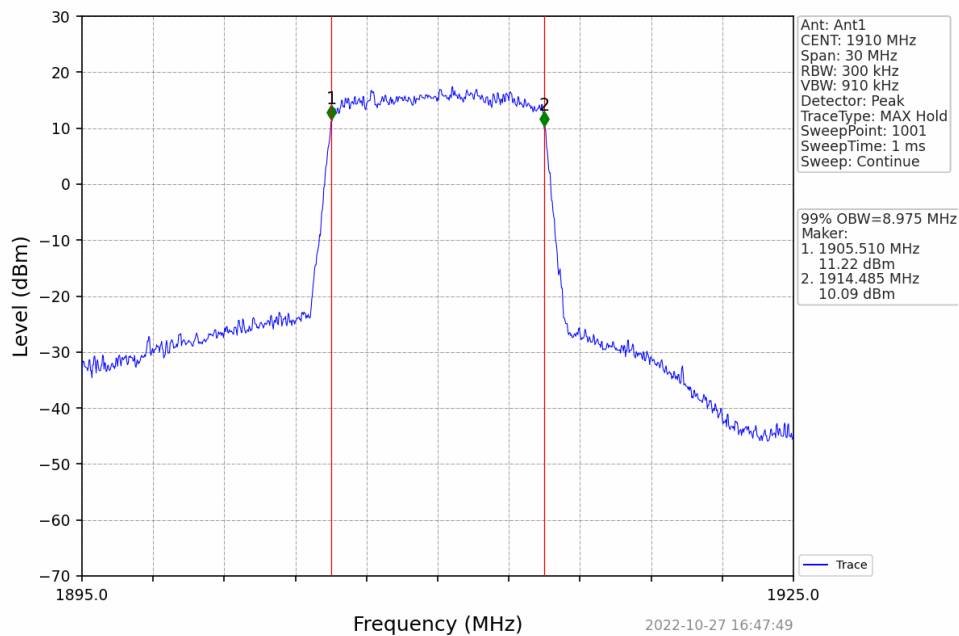




Band25\_10MHz\_64QAM\_MCH\_1882.5MHz\_RB\_50\_0\_NTNV

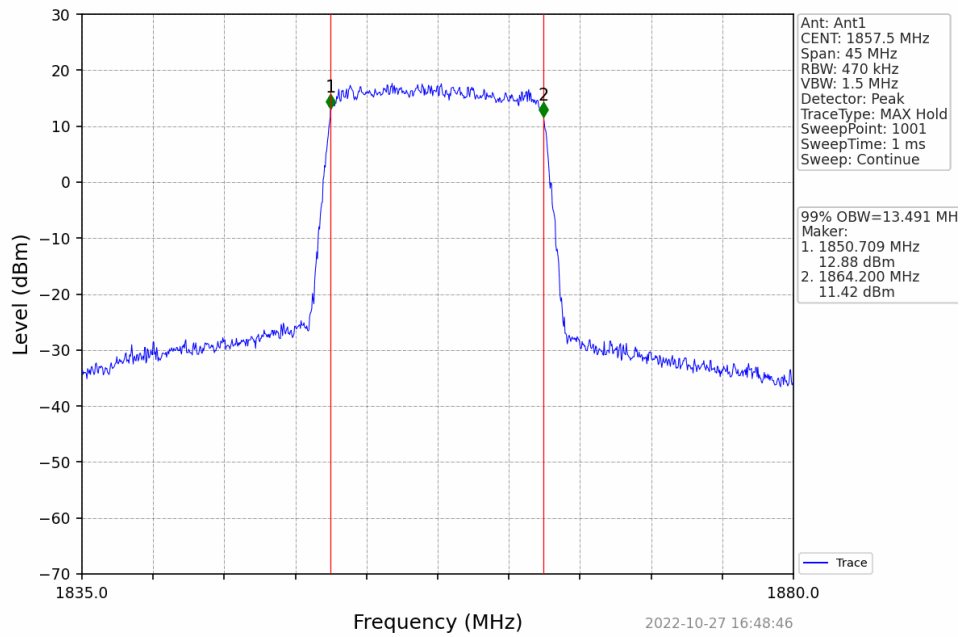


Band25\_10MHz\_64QAM\_HCH\_1910MHz\_RB\_50\_0\_NTNV

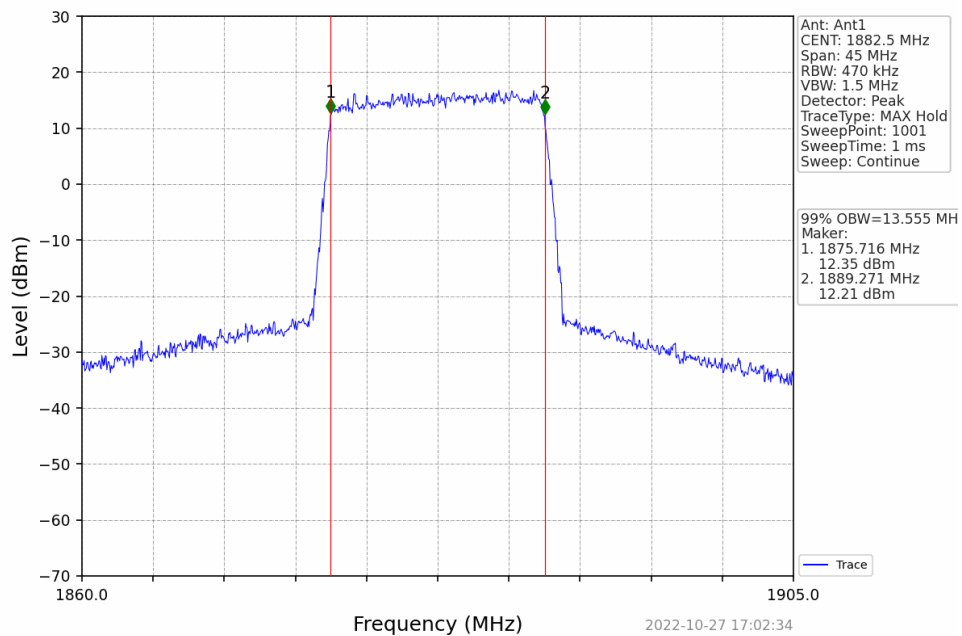




Band25\_15MHz\_64QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV

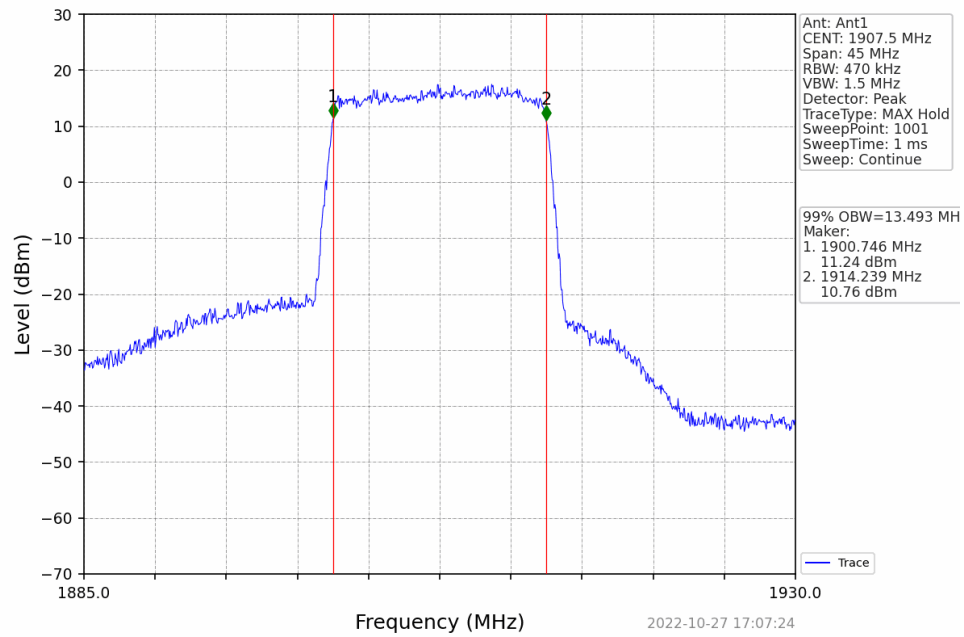


Band25\_15MHz\_64QAM\_MCH\_1882.5MHz\_RB\_75\_0\_NTNV

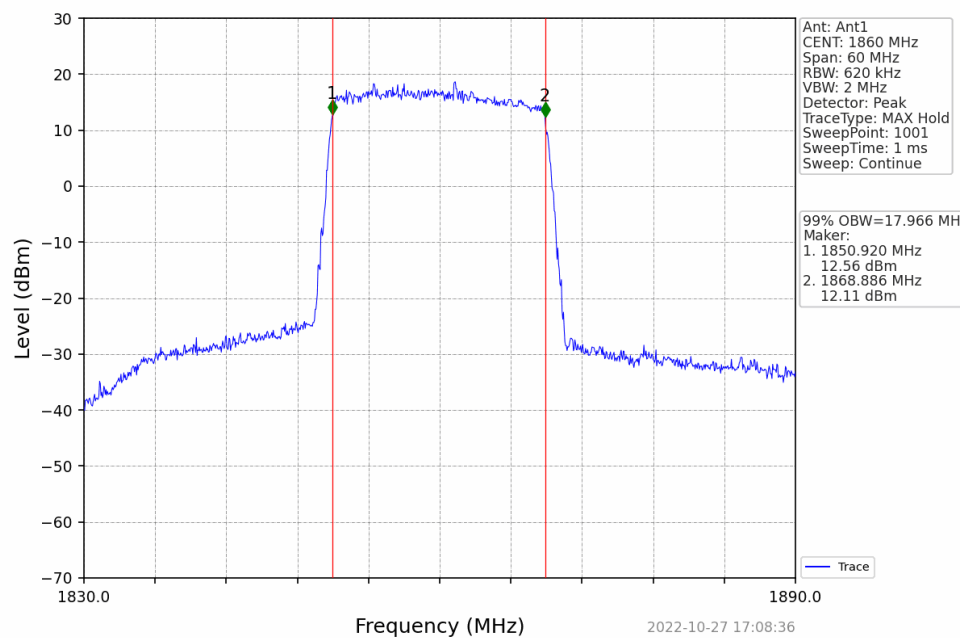




Band25\_15MHz\_64QAM\_HCH\_1907.5MHz\_RB\_75\_0\_NTNV

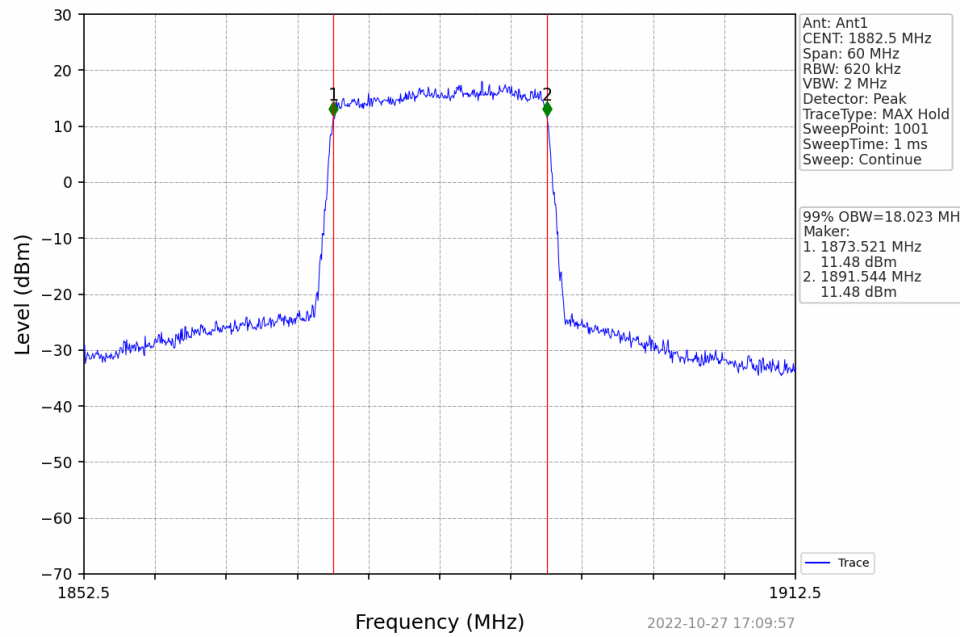


Band25\_20MHz\_64QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV

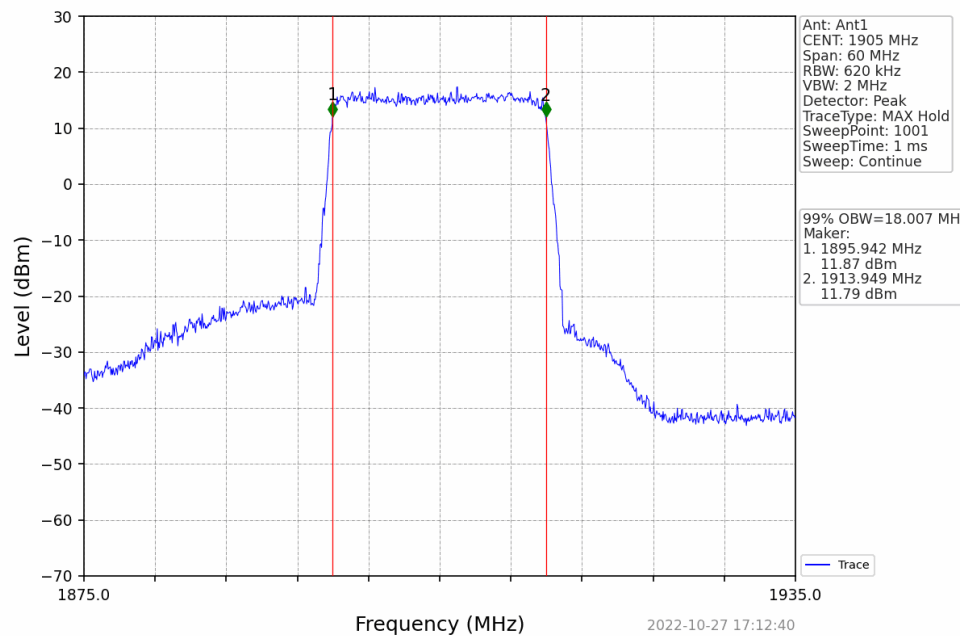




Band25\_20MHz\_64QAM\_MCH\_1882.5MHz\_RB\_100\_0\_NTNV



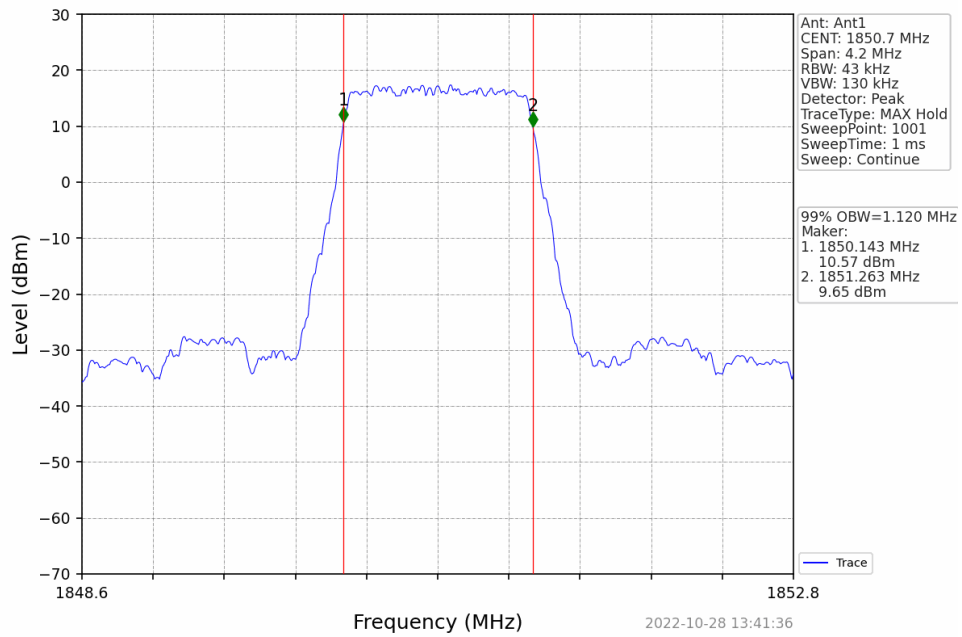
Band25\_20MHz\_64QAM\_HCH\_1905MHz\_RB\_100\_0\_NTNV



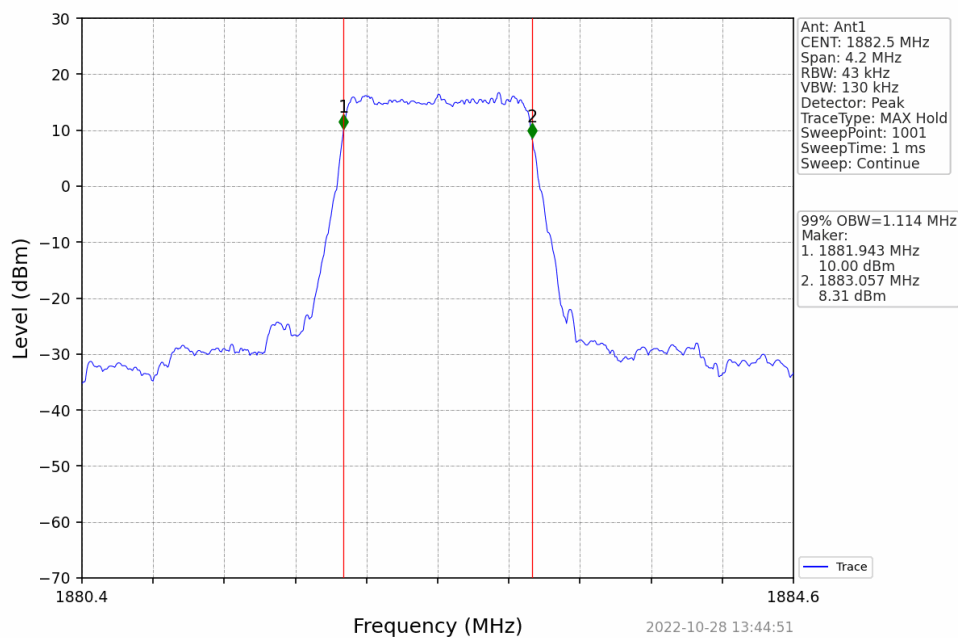




Band25\_1.4MHz\_QPSK\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV

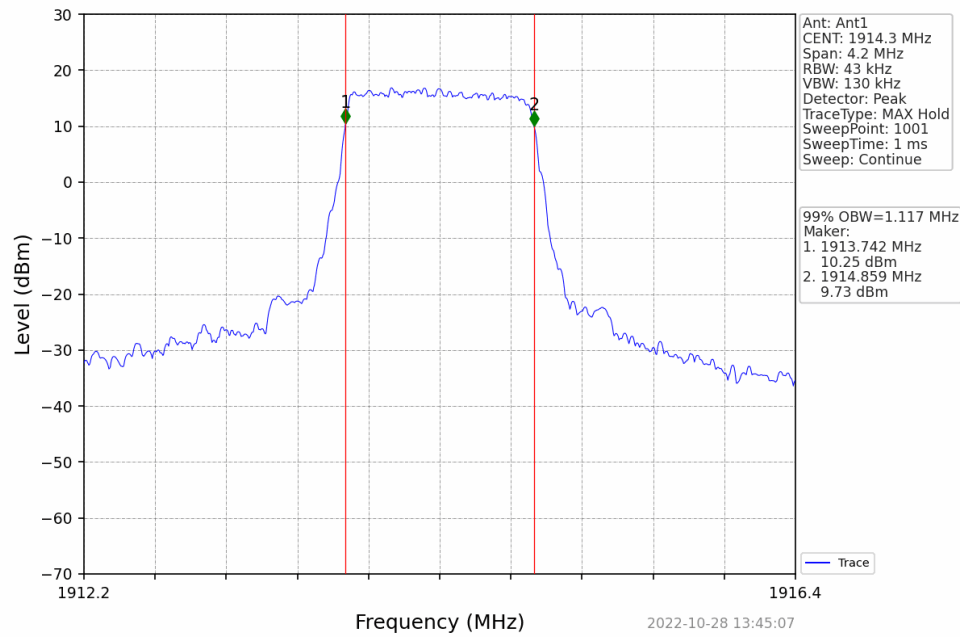


Band25\_1.4MHz\_QPSK\_MCH\_1882.5MHz\_RB\_6\_0\_NTNV

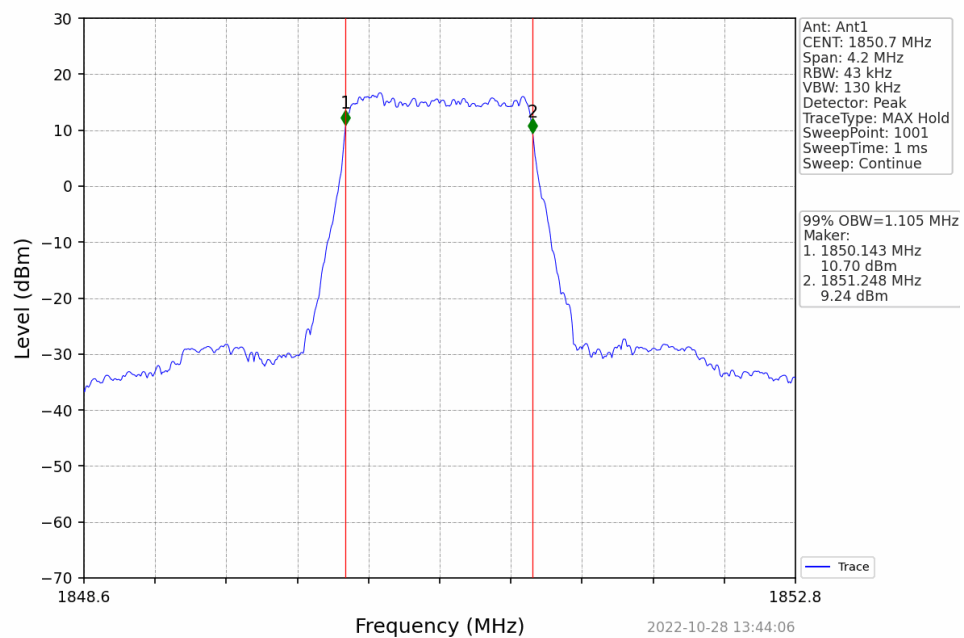




Band25\_1.4MHz\_QPSK\_HCH\_1914.3MHz\_RB\_6\_0\_NTNV

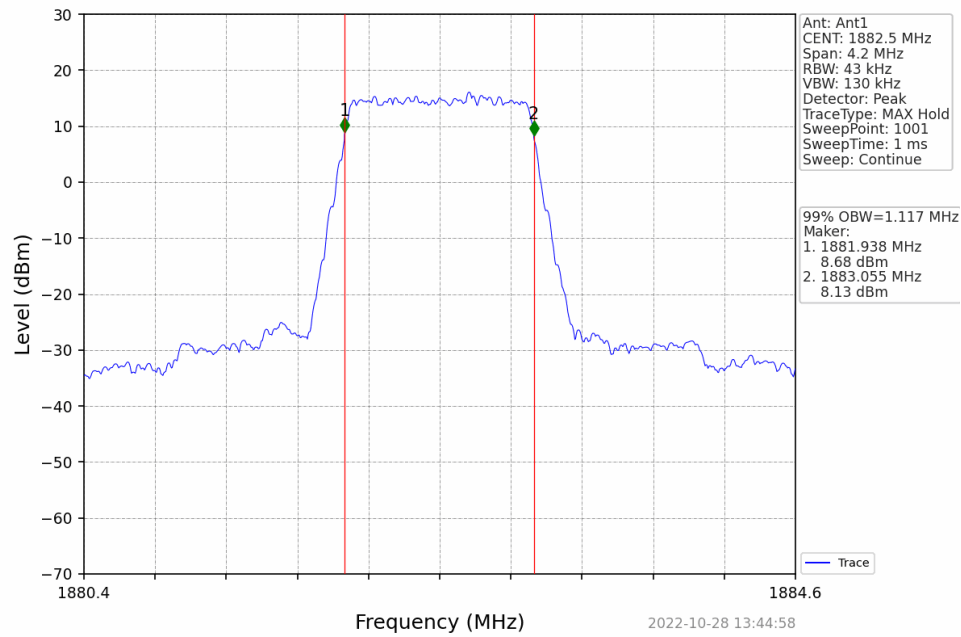


Band25\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV

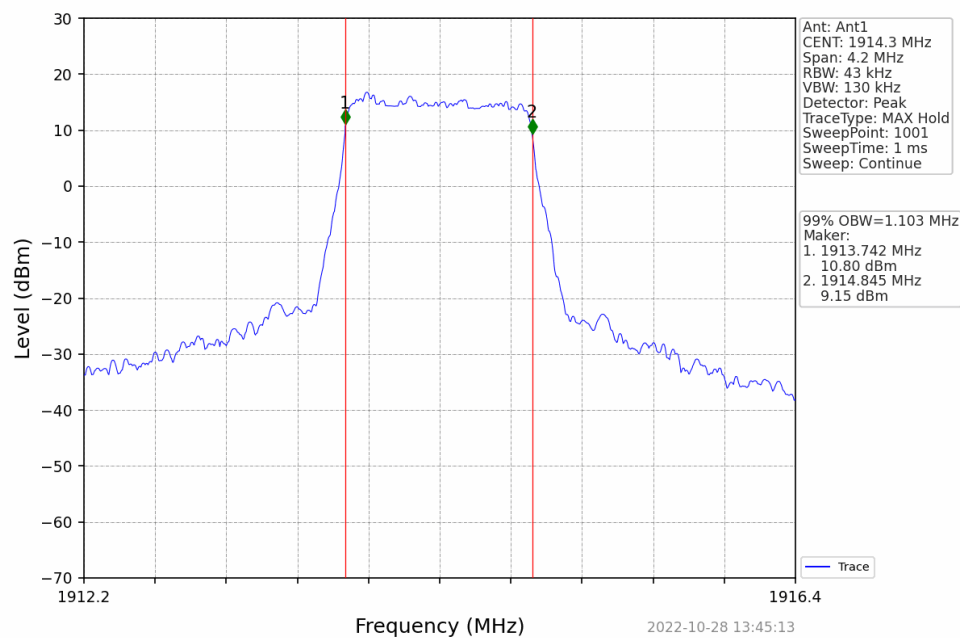




Band25\_1.4MHz\_16QAM\_MCH\_1882.5MHz\_RB\_6\_0\_NTNV

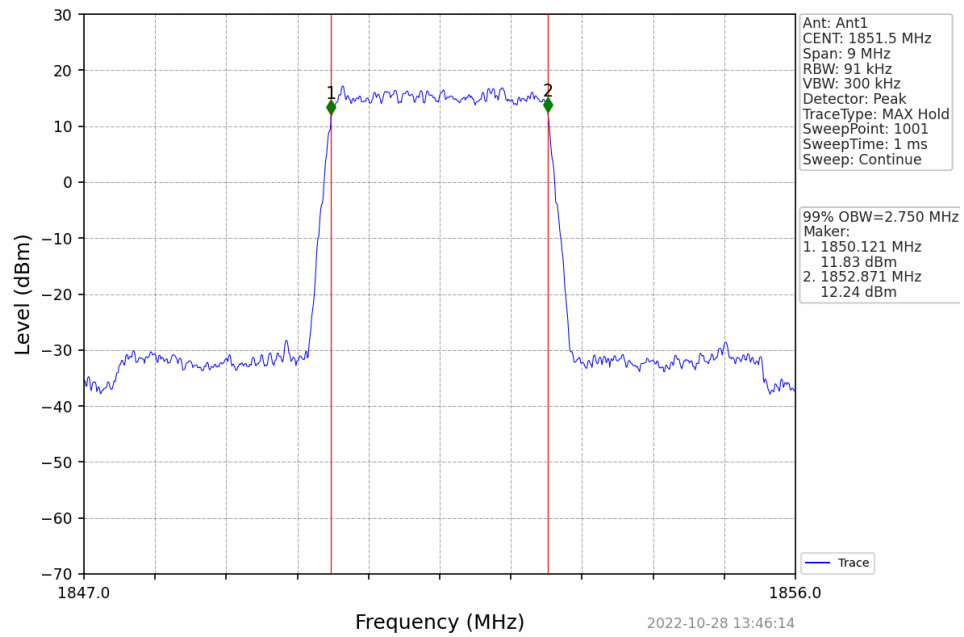


Band25\_1.4MHz\_16QAM\_HCH\_1914.3MHz\_RB\_6\_0\_NTNV

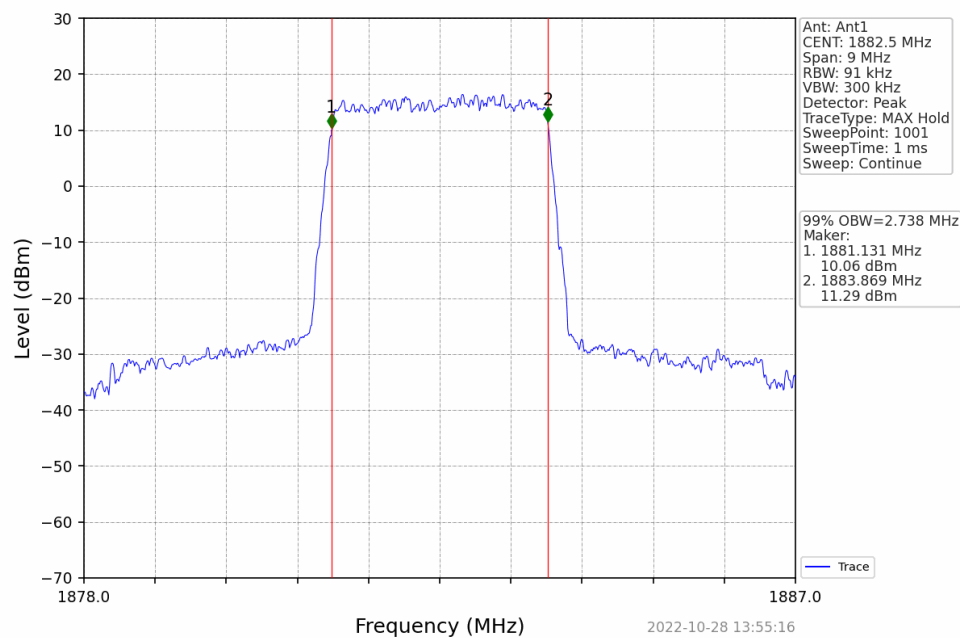


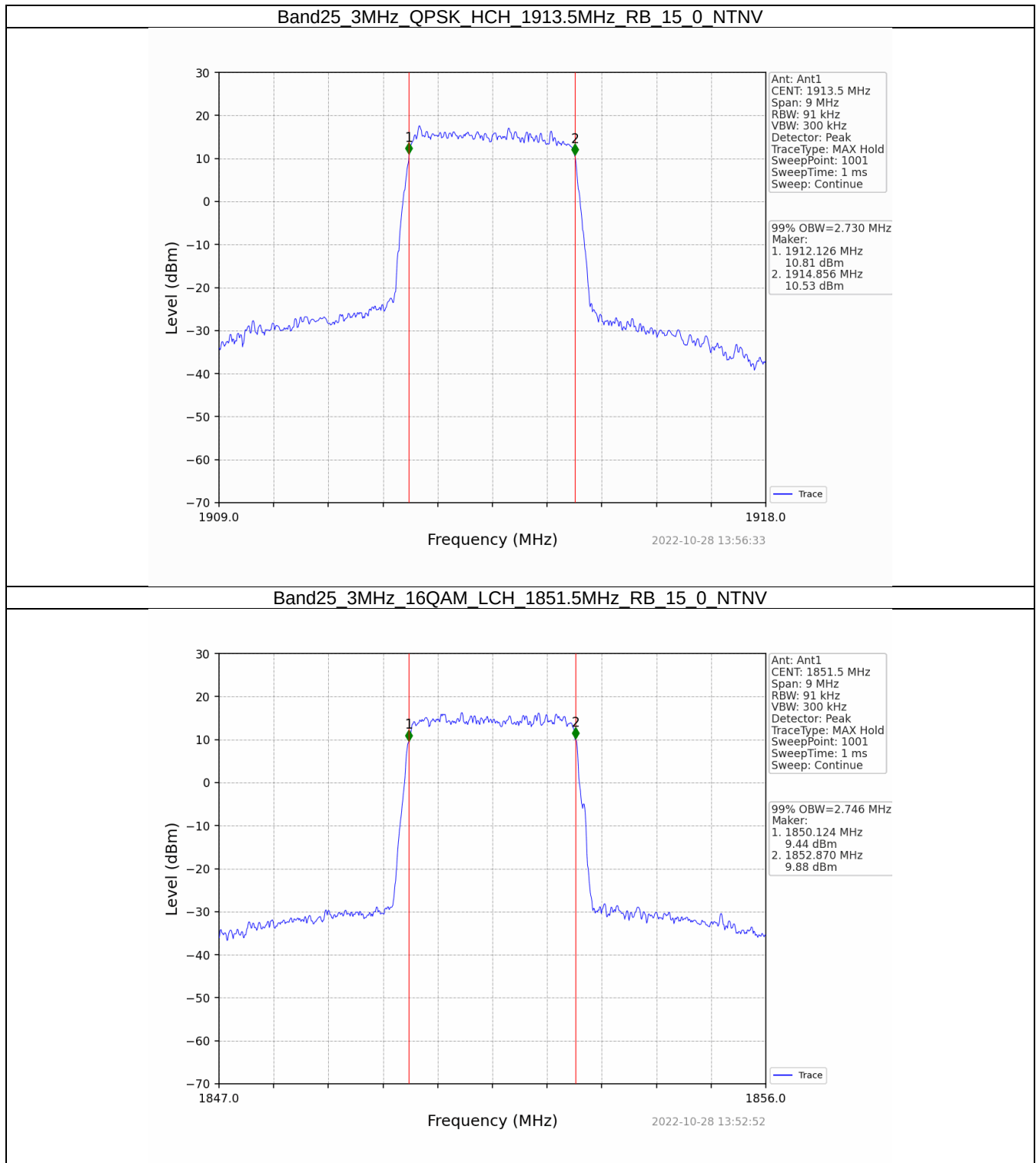


Band25\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



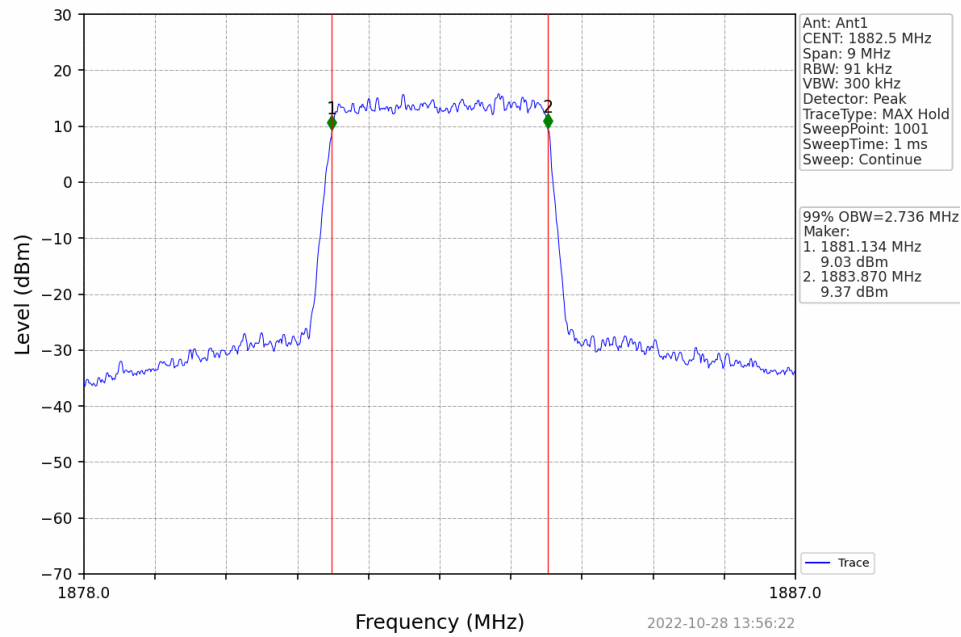
Band25\_3MHz\_QPSK\_MCH\_1882.5MHz\_RB\_15\_0\_NTNV



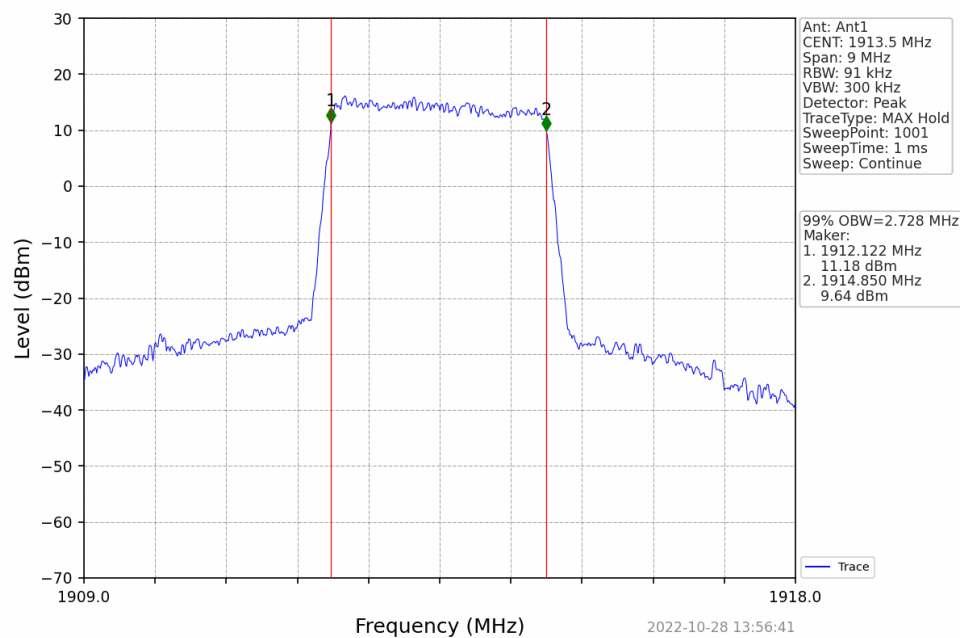




Band25\_3MHz\_16QAM\_MCH\_1882.5MHz\_RB\_15\_0\_NTNV

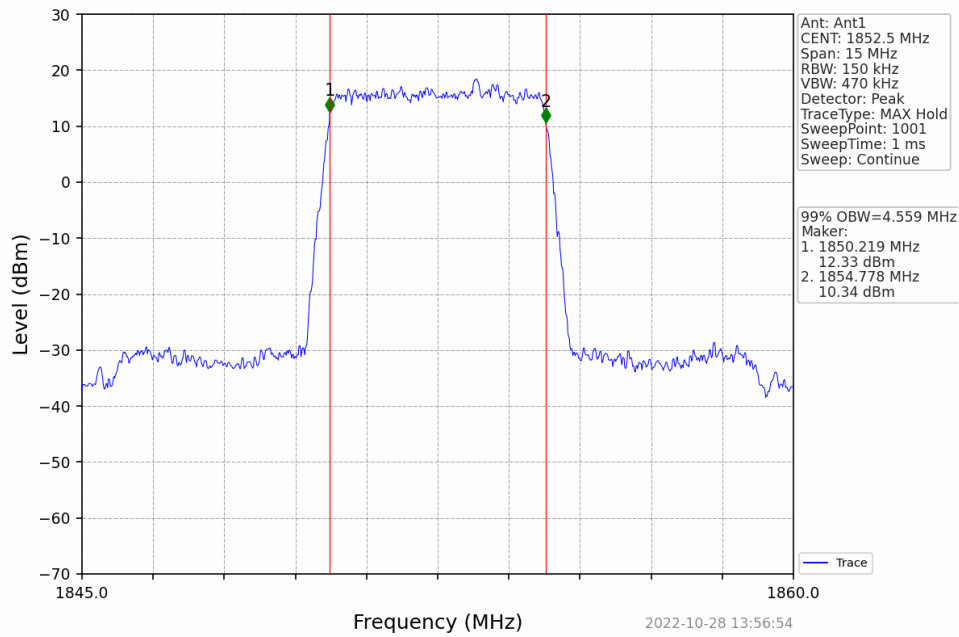


Band25\_3MHz\_16QAM\_HCH\_1913.5MHz\_RB\_15\_0\_NTNV

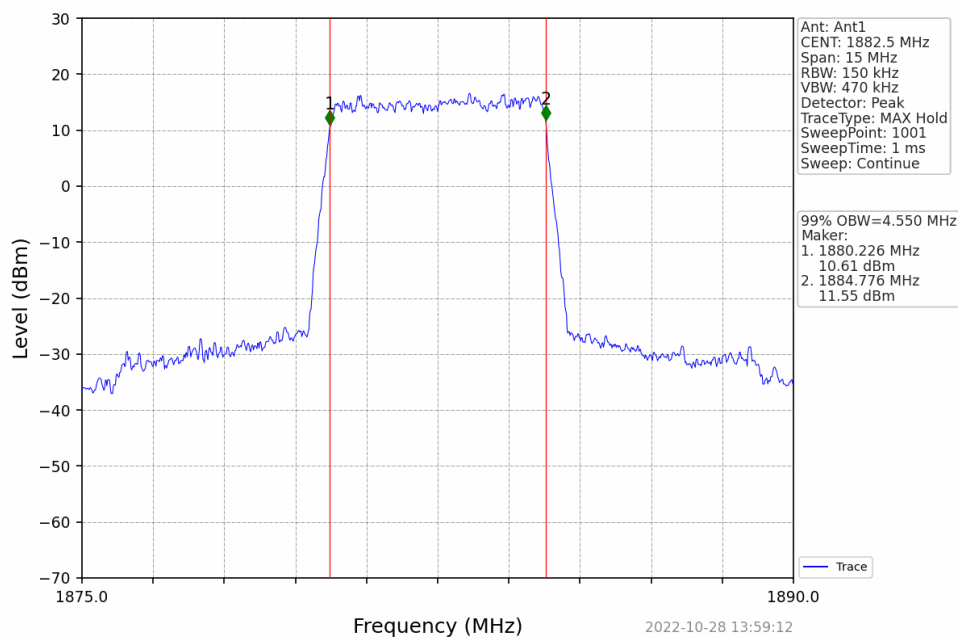


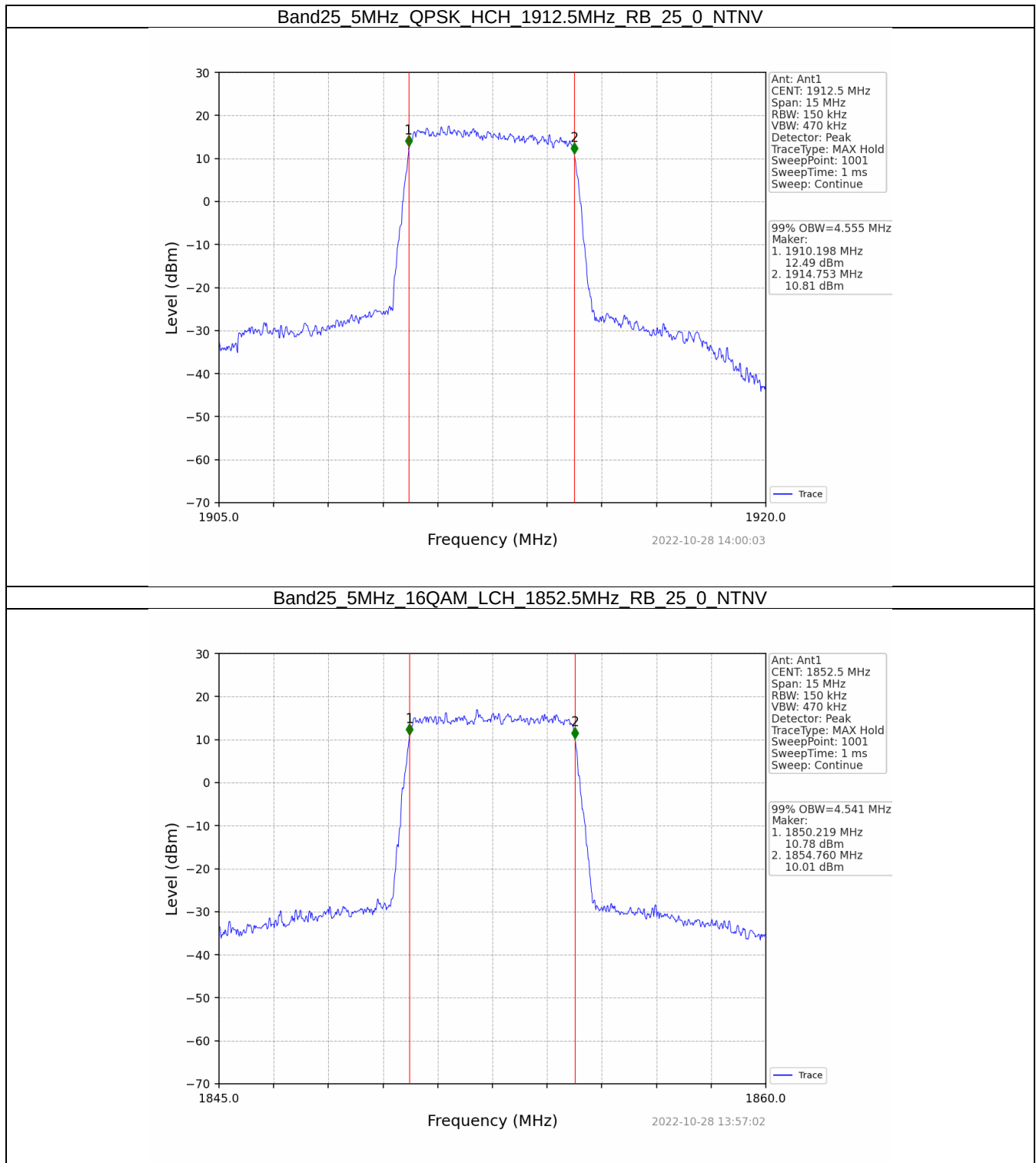


Band25\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



Band25\_5MHz\_QPSK\_MCH\_1882.5MHz\_RB\_25\_0\_NTNV

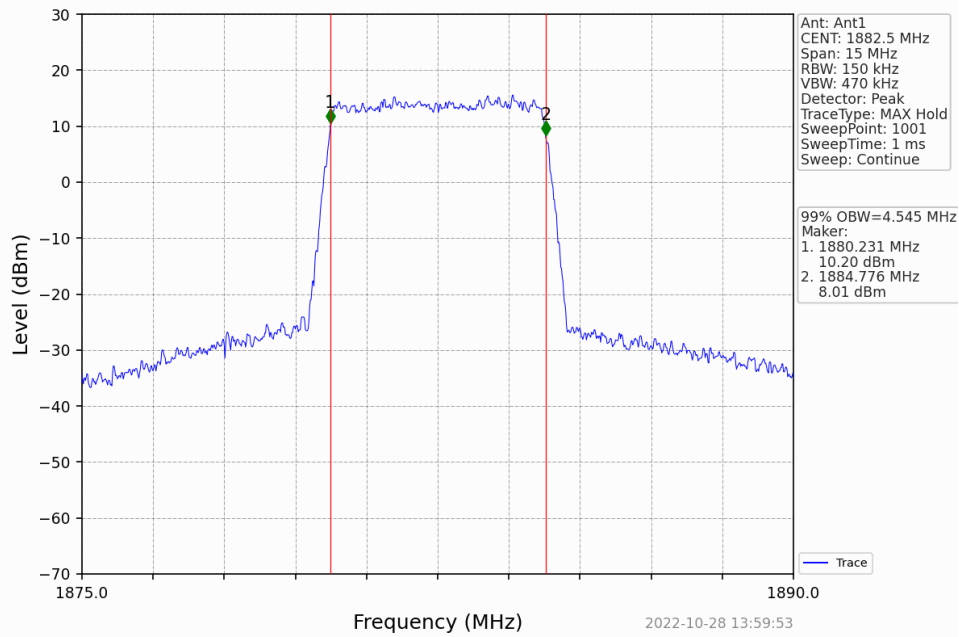




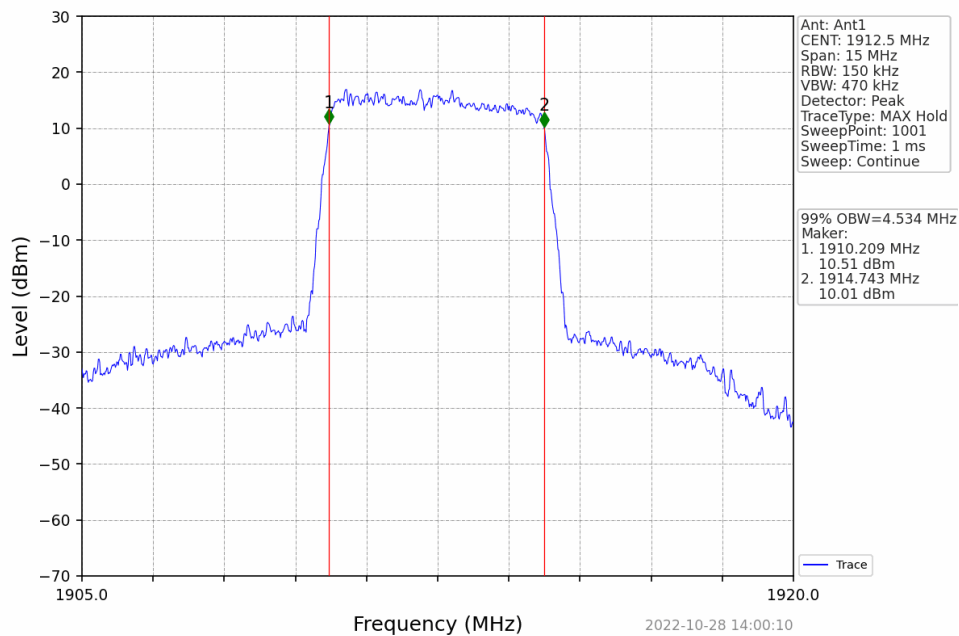




Band25\_5MHz\_16QAM\_MCH\_1882.5MHz\_RB\_25\_0\_NTNV

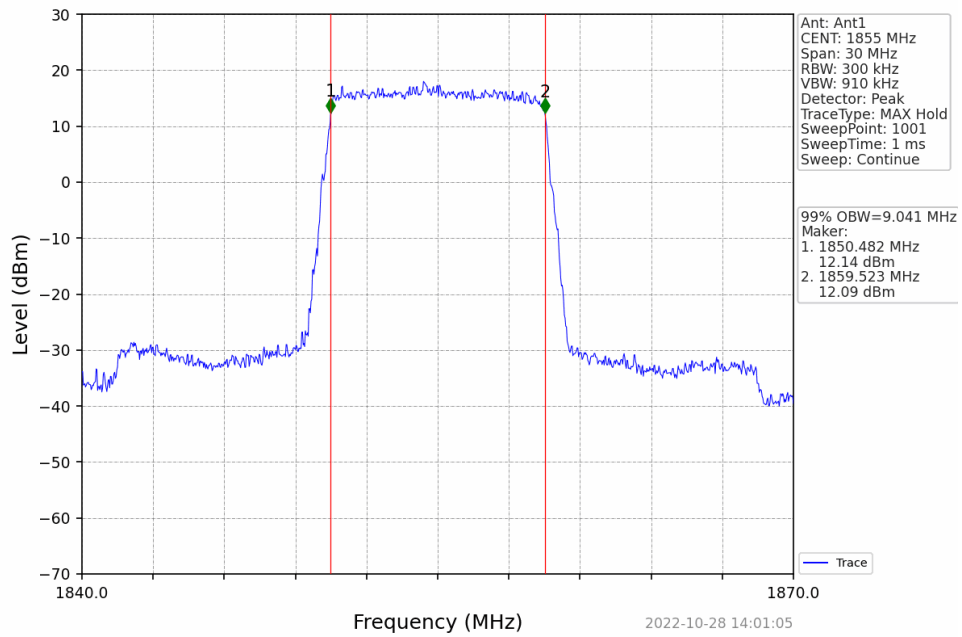


Band25\_5MHz\_16QAM\_HCH\_1912.5MHz\_RB\_25\_0\_NTNV

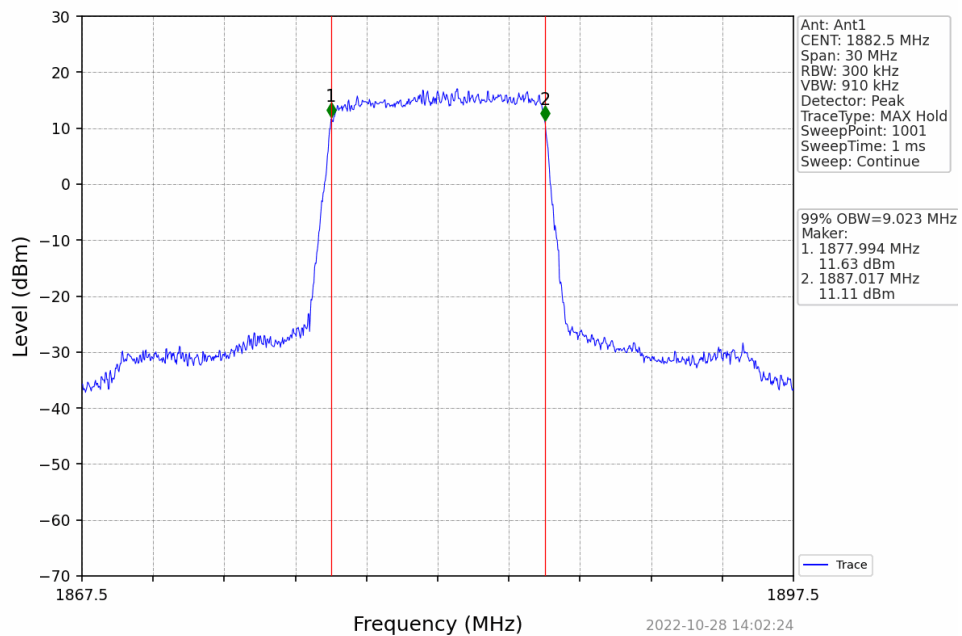




Band25\_10MHz\_QPSK\_LCH\_1855MHz\_RB\_50\_0\_NTNV

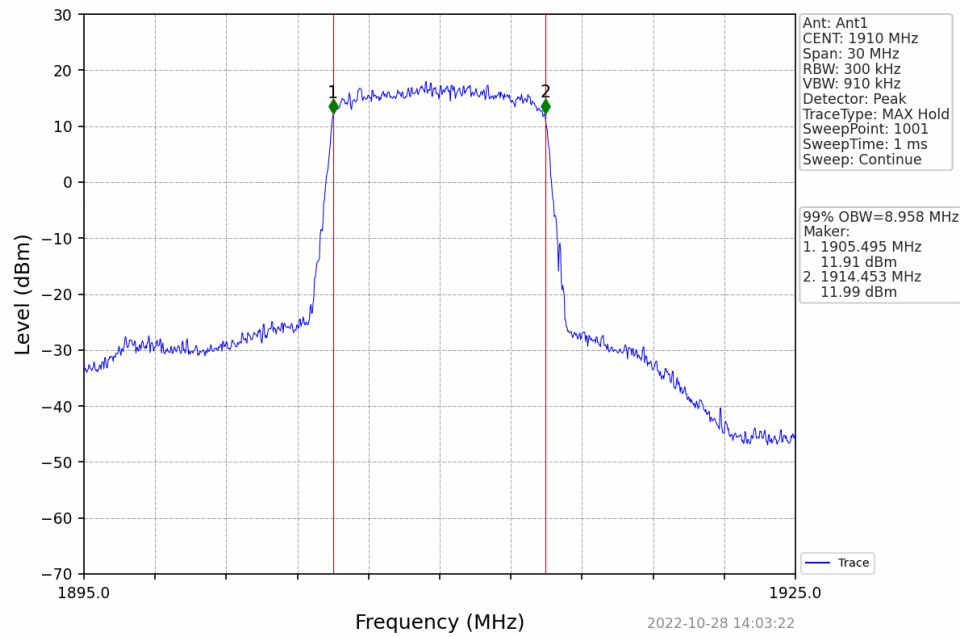


Band25\_10MHz\_QPSK\_MCH\_1882.5MHz\_RB\_50\_0\_NTNV

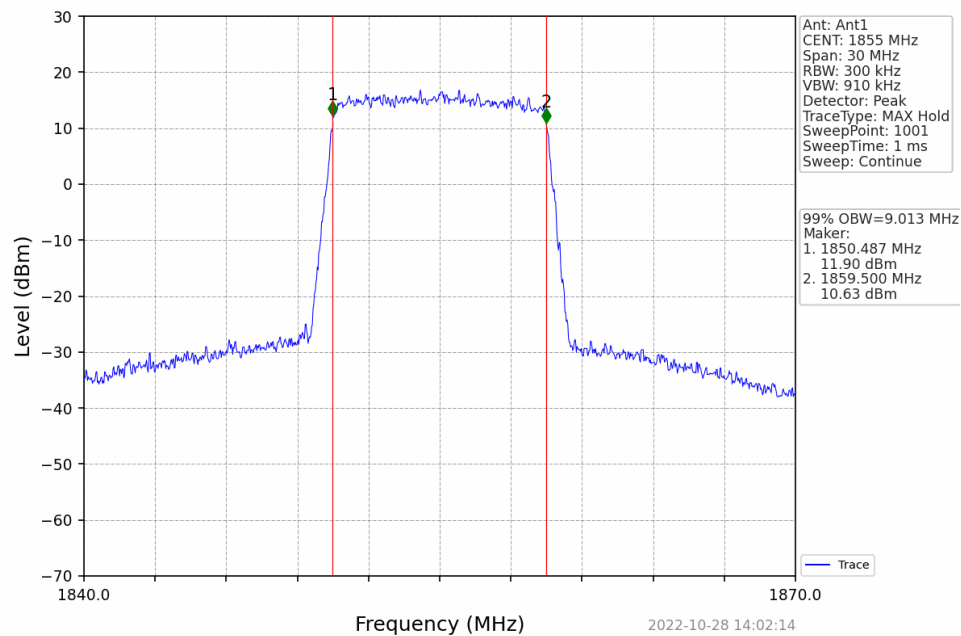




Band25\_10MHz\_QPSK\_HCH\_1910MHz\_RB\_50\_0\_NTNV

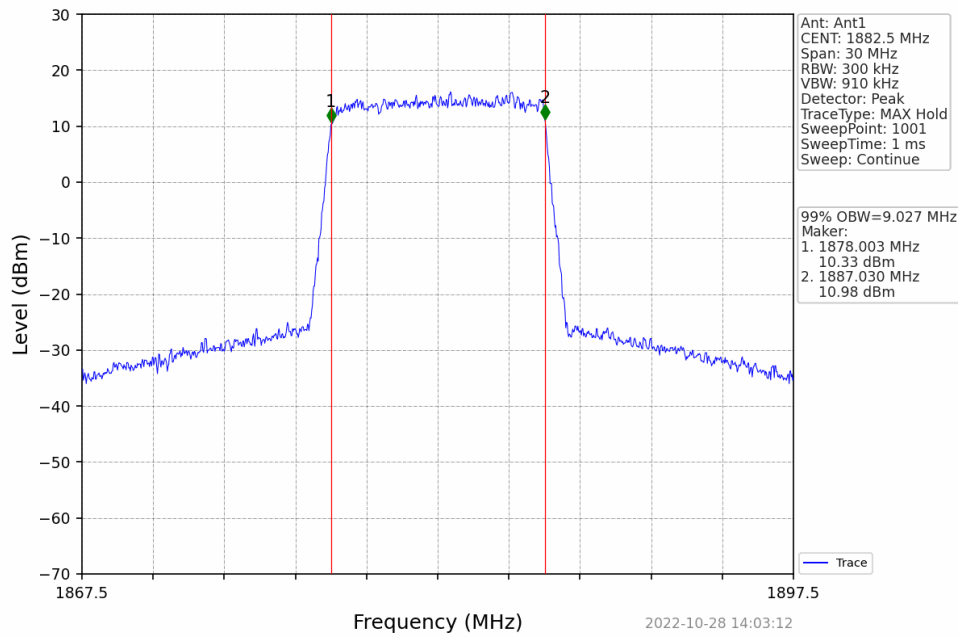


Band25\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV

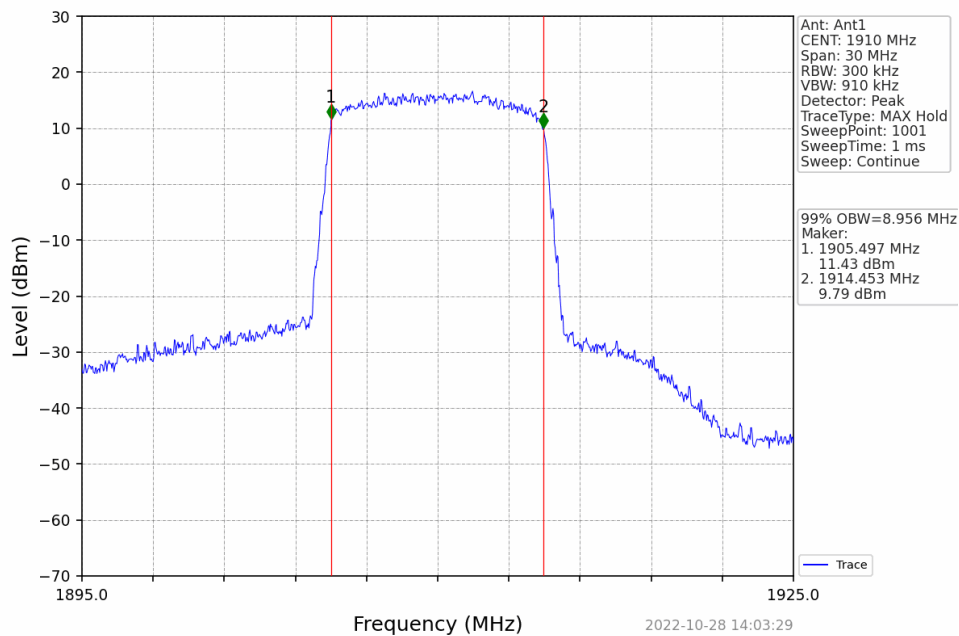




Band25\_10MHz\_16QAM\_MCH\_1882.5MHz\_RB\_50\_0\_NTNV

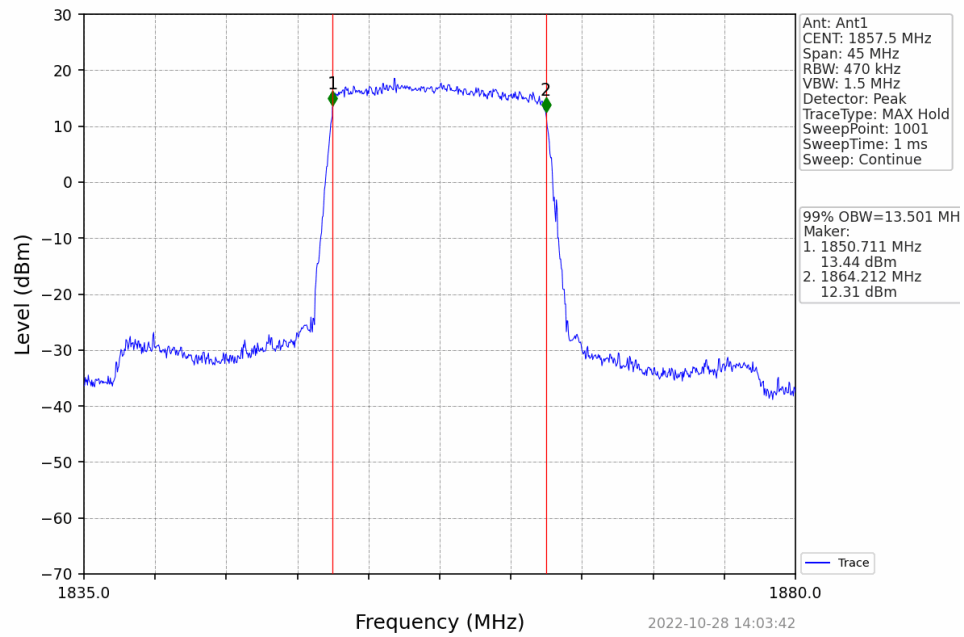


Band25\_10MHz\_16QAM\_HCH\_1910MHz\_RB\_50\_0\_NTNV

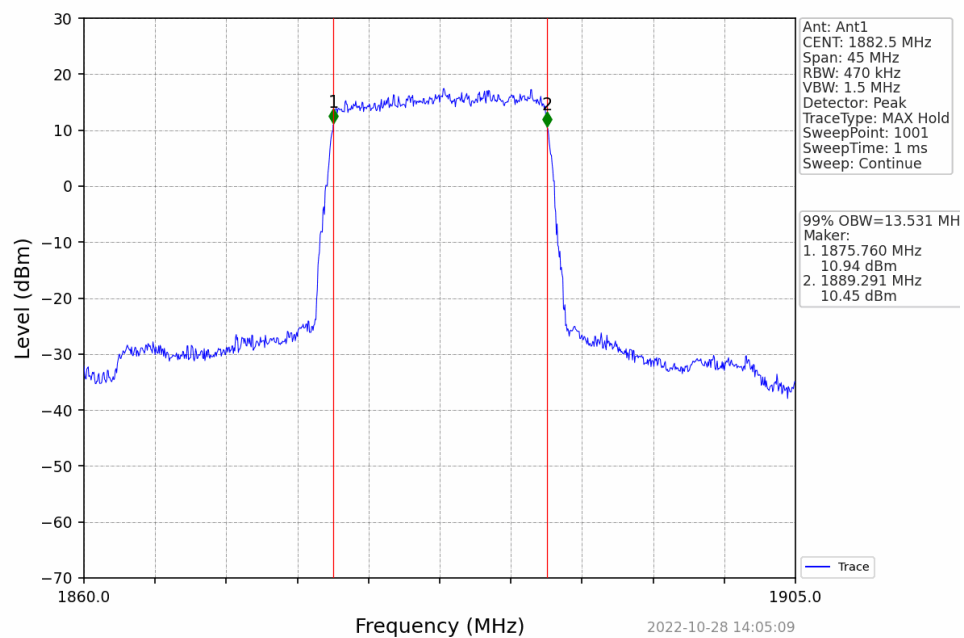




Band25\_15MHz\_QPSK\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV

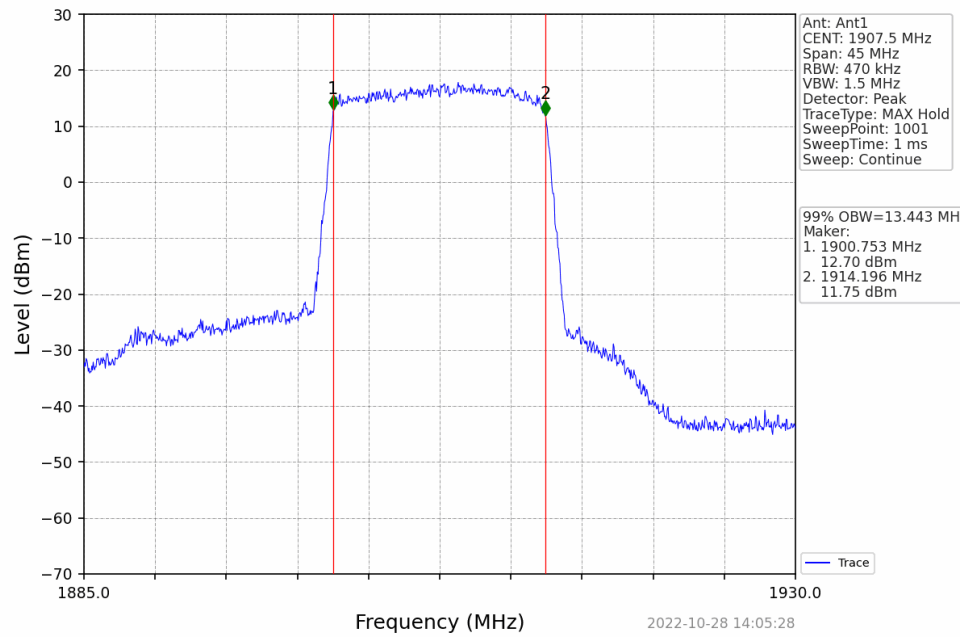


Band25\_15MHz\_QPSK\_MCH\_1882.5MHz\_RB\_75\_0\_NTNV

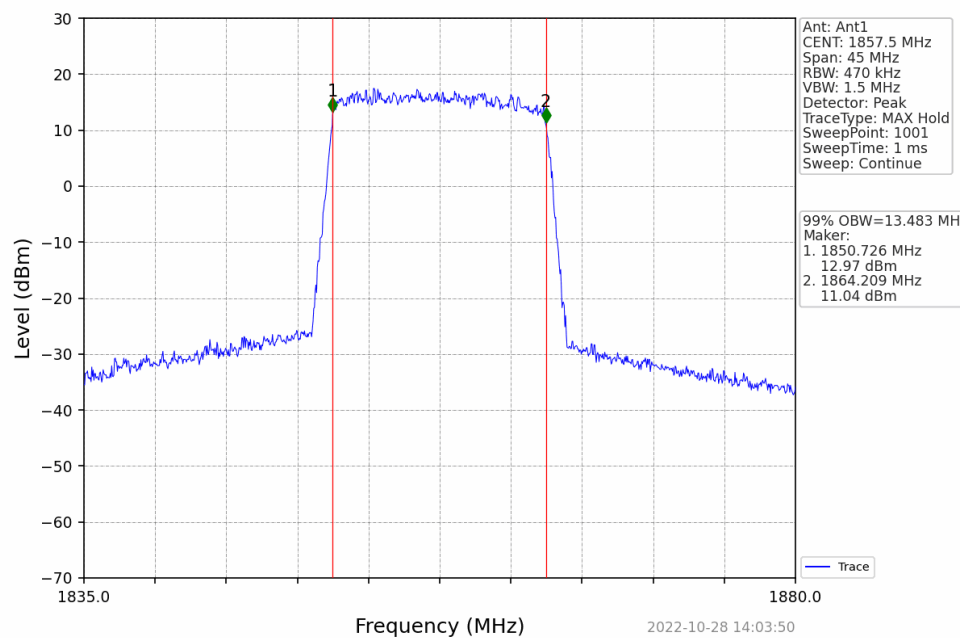




Band25\_15MHz\_QPSK\_HCH\_1907.5MHz\_RB\_75\_0\_NTNV

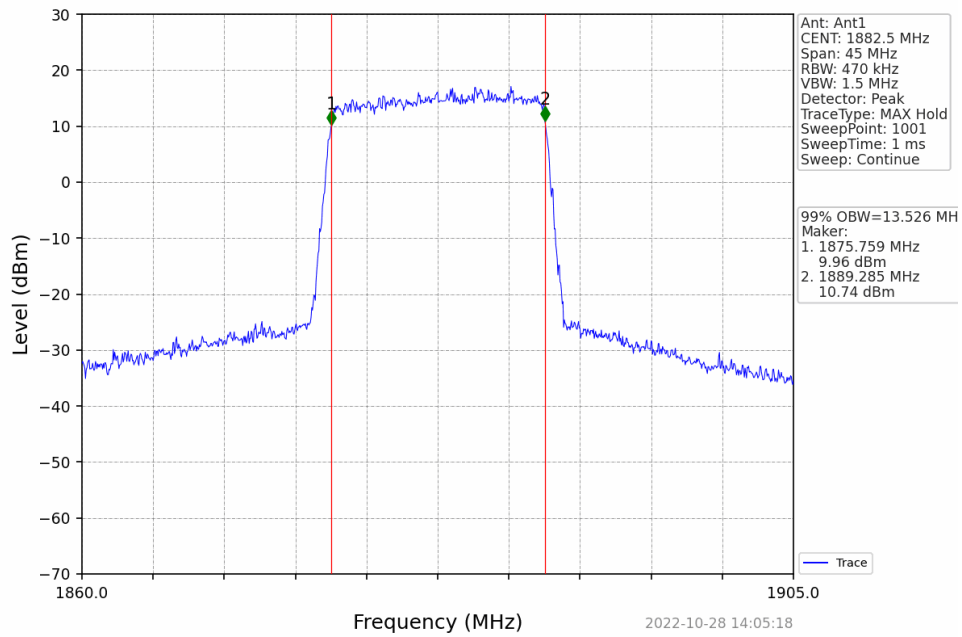


Band25\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV

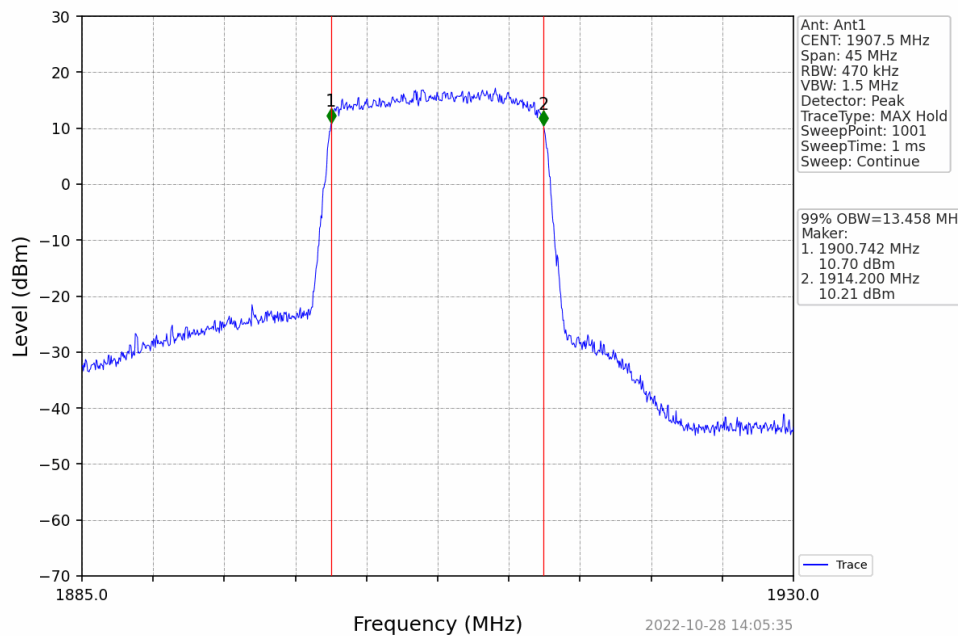




Band25\_15MHz\_16QAM\_MCH\_1882.5MHz\_RB\_75\_0\_NTNV

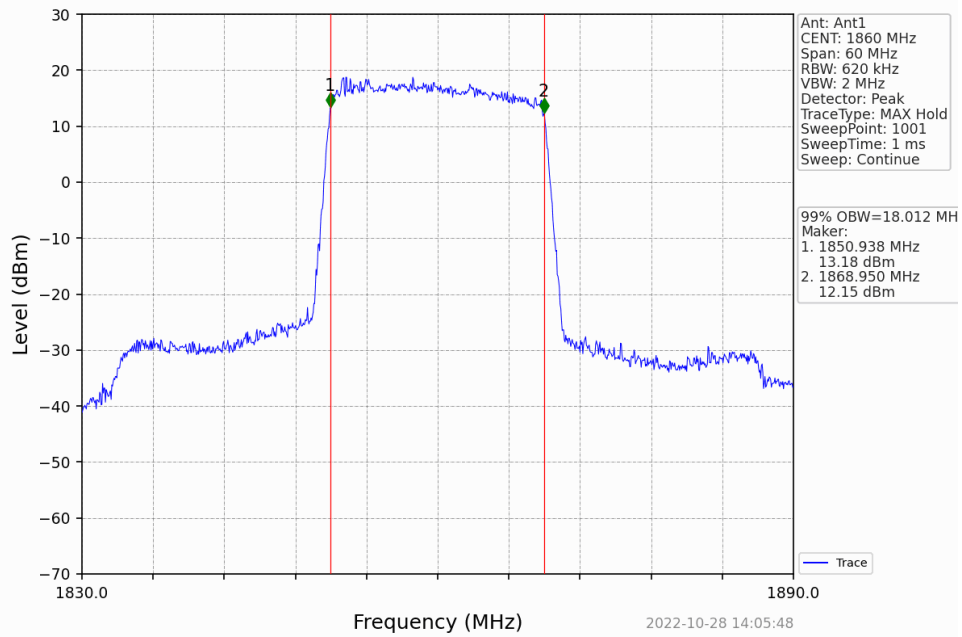


Band25\_15MHz\_16QAM\_HCH\_1907.5MHz\_RB\_75\_0\_NTNV

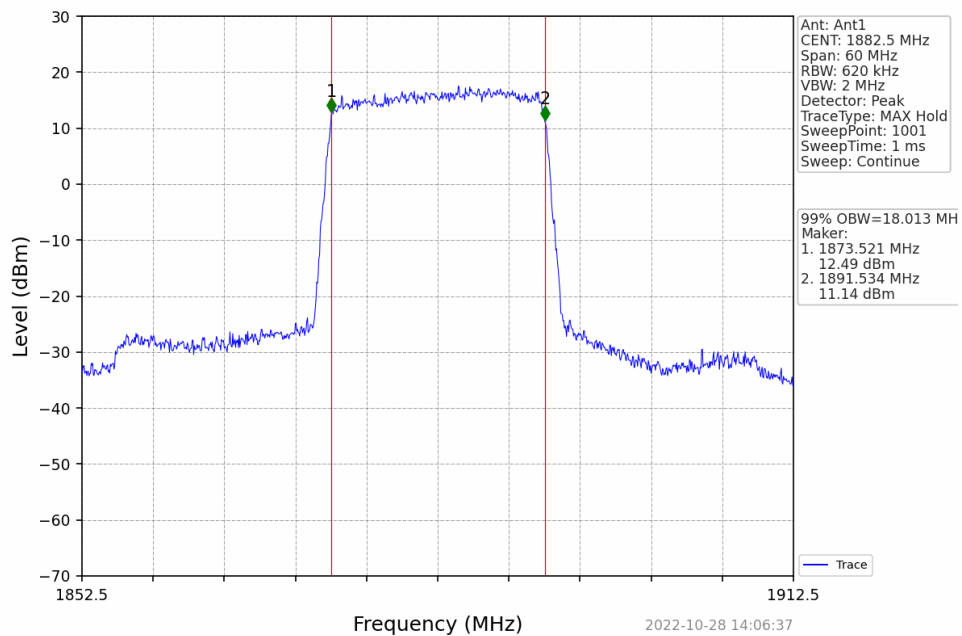




Band25\_20MHz\_QPSK\_LCH\_1860MHz\_RB\_100\_0\_NTNV



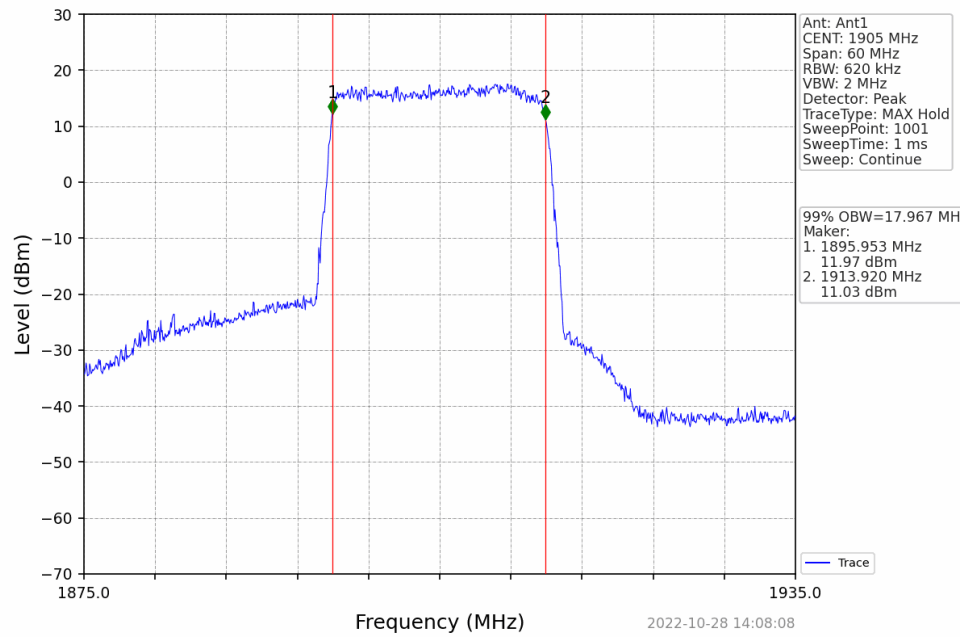
Band25\_20MHz\_QPSK\_MCH\_1882.5MHz\_RB\_100\_0\_NTNV



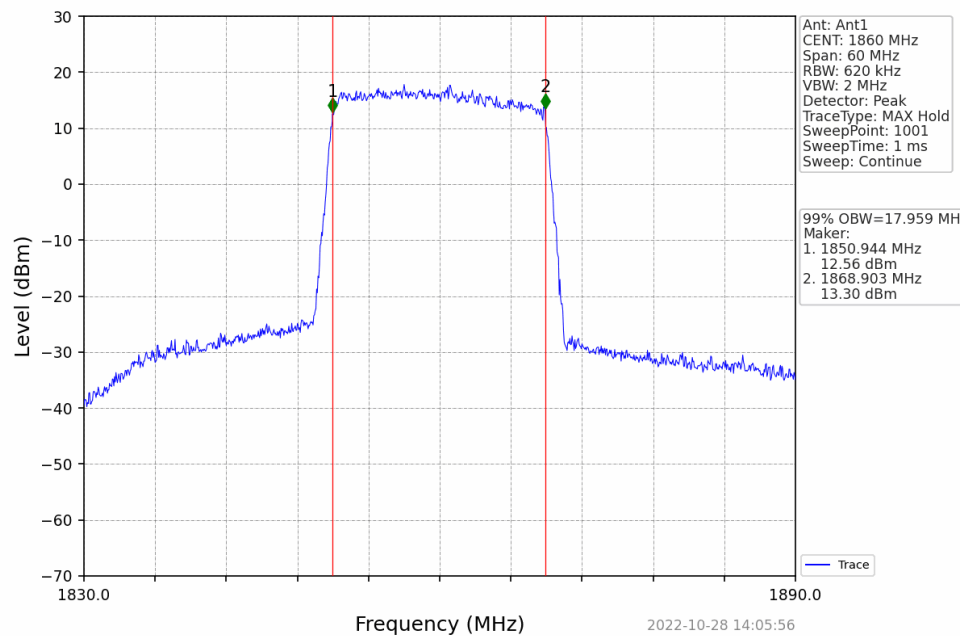




Band25\_20MHz\_QPSK\_HCH\_1905MHz\_RB\_100\_0\_NTNV

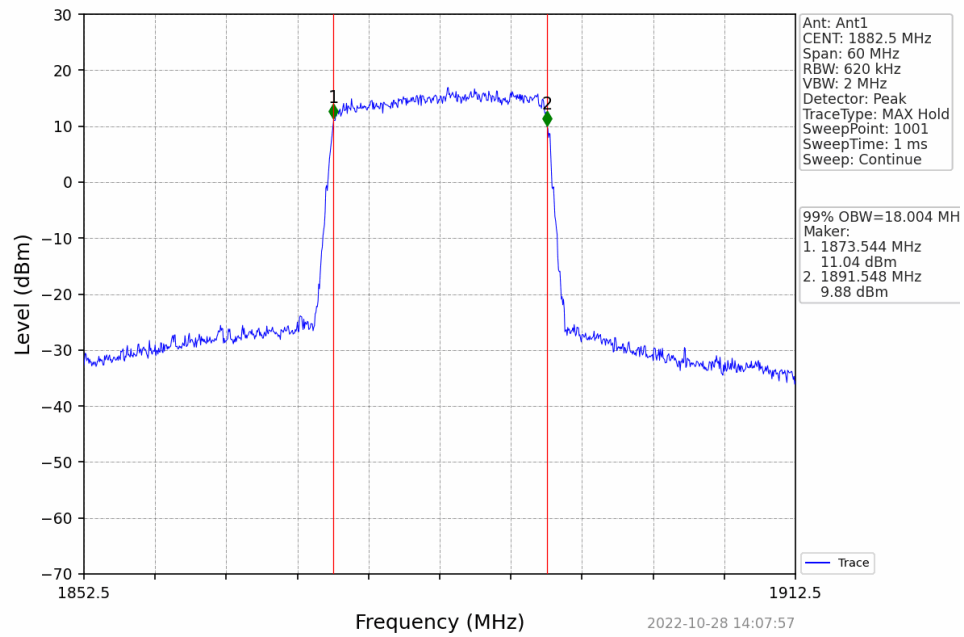


Band25\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV

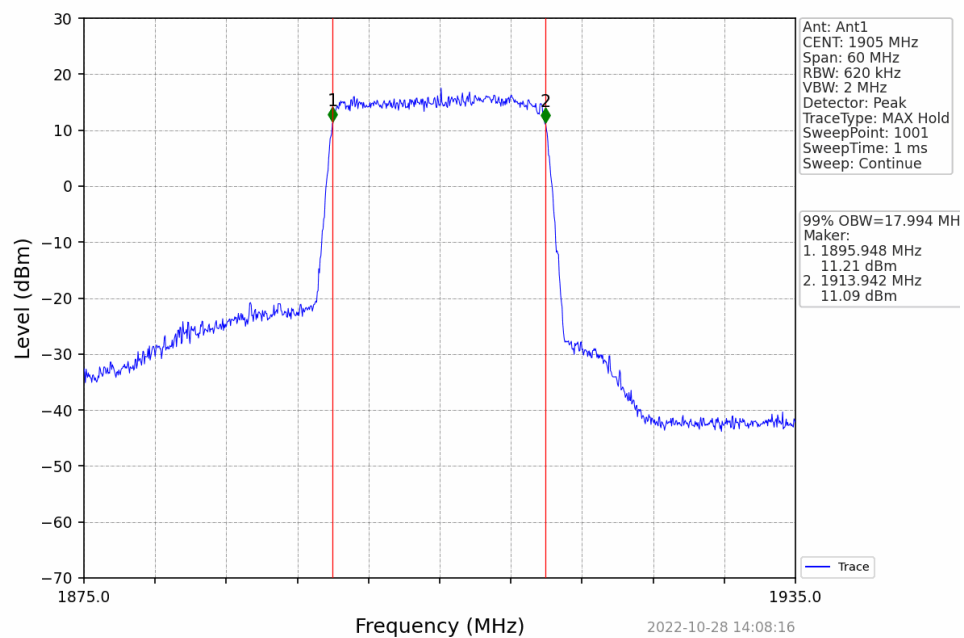




Band25\_20MHz\_16QAM\_MCH\_1882.5MHz\_RB\_100\_0\_NTNV



Band25\_20MHz\_16QAM\_HCH\_1905MHz\_RB\_100\_0\_NTNV





## 4.2 Band25\_XDB

## 4.2.1 Test Result

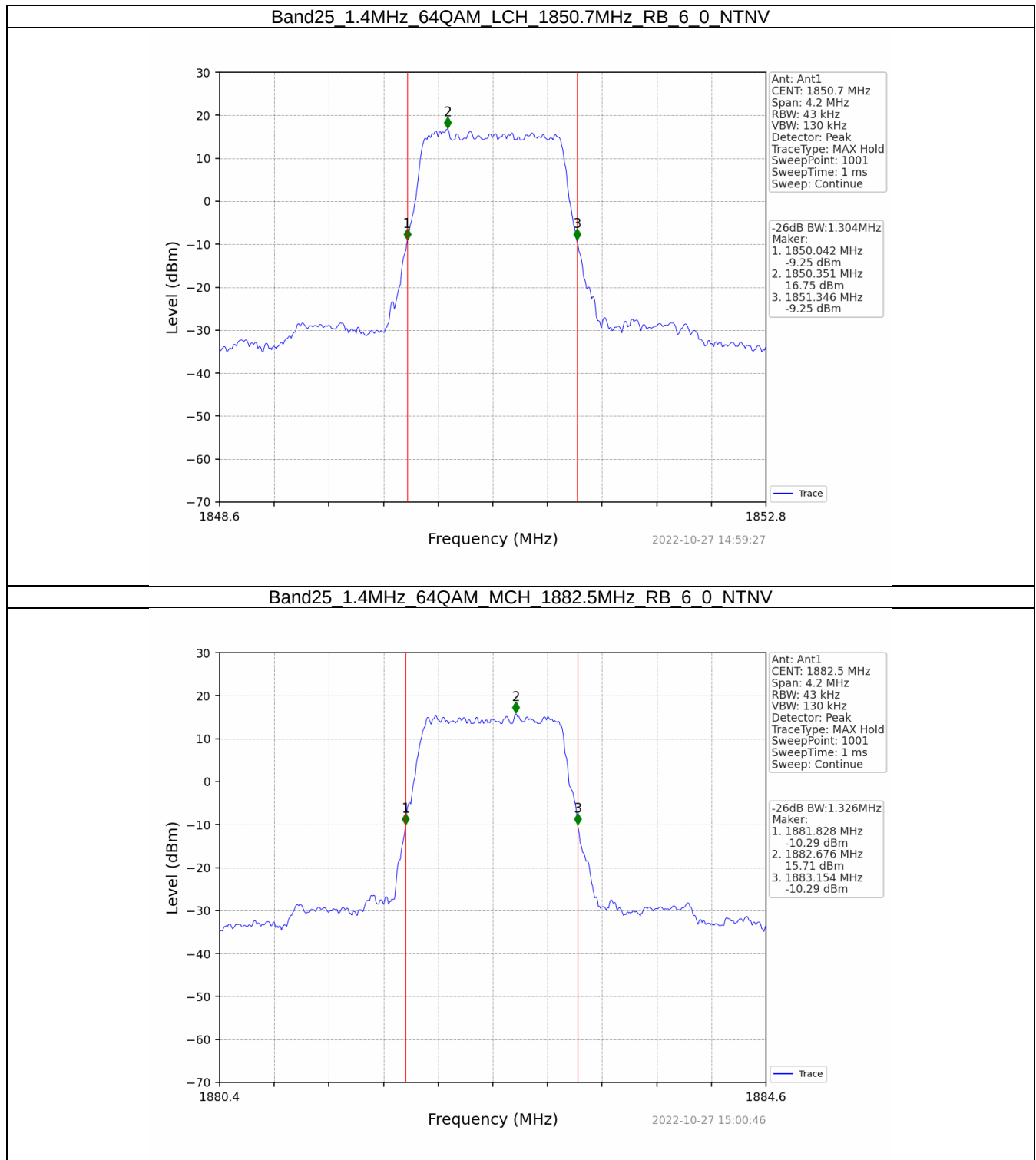
| Band: 25 / NTNV |            |                 |               |        |                      |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result               |         |
| 1.4             | 64QAM      | 1850.7          | 6             | 0      | 1.304                | Pass    |
|                 |            | 1882.5          | 6             | 0      | 1.326                | Pass    |
|                 |            | 1914.3          | 6             | 0      | 1.338                | Pass    |
| 3               | 64QAM      | 1851.5          | 15            | 0      | 3.031                | Pass    |
|                 |            | 1882.5          | 15            | 0      | 3.026                | Pass    |
|                 |            | 1913.5          | 15            | 0      | 3.031                | Pass    |
| 5               | 64QAM      | 1852.5          | 25            | 0      | 5.062                | Pass    |
|                 |            | 1882.5          | 25            | 0      | 5.085                | Pass    |
|                 |            | 1912.5          | 25            | 0      | 5.035                | Pass    |
| 10              | 64QAM      | 1855            | 50            | 0      | 9.982                | Pass    |
|                 |            | 1882.5          | 50            | 0      | 9.931                | Pass    |
|                 |            | 1910            | 50            | 0      | 9.889                | Pass    |
| 15              | 64QAM      | 1857.5          | 75            | 0      | 14.972               | Pass    |
|                 |            | 1882.5          | 75            | 0      | 14.885               | Pass    |
|                 |            | 1907.5          | 75            | 0      | 14.952               | Pass    |
| 20              | 64QAM      | 1860            | 100           | 0      | 19.599               | Pass    |
|                 |            | 1882.5          | 100           | 0      | 19.650               | Pass    |
|                 |            | 1905            | 100           | 0      | 19.800               | Pass    |
| 1.4             | QPSK       | 1850.7          | 6             | 0      | 1.345                | Pass    |
|                 |            | 1882.5          | 6             | 0      | 1.325                | Pass    |
|                 |            | 1914.3          | 6             | 0      | 1.315                | Pass    |
|                 | 16QAM      | 1850.7          | 6             | 0      | 1.309                | Pass    |
|                 |            | 1882.5          | 6             | 0      | 1.333                | Pass    |
|                 |            | 1914.3          | 6             | 0      | 1.314                | Pass    |
| 3               | QPSK       | 1851.5          | 15            | 0      | 3.047                | Pass    |
|                 |            | 1882.5          | 15            | 0      | 3.018                | Pass    |
|                 |            | 1913.5          | 15            | 0      | 3.035                | Pass    |
|                 | 16QAM      | 1851.5          | 15            | 0      | 3.057                | Pass    |
|                 |            | 1882.5          | 15            | 0      | 3.019                | Pass    |
|                 |            | 1913.5          | 15            | 0      | 3.023                | Pass    |
| 5               | QPSK       | 1852.5          | 25            | 0      | 5.057                | Pass    |
|                 |            | 1882.5          | 25            | 0      | 5.074                | Pass    |
|                 |            | 1912.5          | 25            | 0      | 5.051                | Pass    |
|                 | 16QAM      | 1852.5          | 25            | 0      | 5.044                | Pass    |
|                 |            | 1882.5          | 25            | 0      | 5.052                | Pass    |
|                 |            | 1912.5          | 25            | 0      | 5.074                | Pass    |
| 10              | QPSK       | 1855            | 50            | 0      | 10.029               | Pass    |
|                 |            | 1882.5          | 50            | 0      | 10.015               | Pass    |
|                 |            | 1910            | 50            | 0      | 9.872                | Pass    |
|                 | 16QAM      | 1855            | 50            | 0      | 9.956                | Pass    |
|                 |            | 1882.5          | 50            | 0      | 10.031               | Pass    |
|                 |            | 1910            | 50            | 0      | 9.907                | Pass    |
| 15              | QPSK       | 1857.5          | 75            | 0      | 14.903               | Pass    |
|                 |            | 1882.5          | 75            | 0      | 14.999               | Pass    |
|                 |            | 1907.5          | 75            | 0      | 14.820               | Pass    |
|                 | 16QAM      | 1857.5          | 75            | 0      | 14.799               | Pass    |



|    |       |        |     |   |        |      |
|----|-------|--------|-----|---|--------|------|
| 20 |       | 1882.5 | 75  | 0 | 14.916 | Pass |
|    |       | 1907.5 | 75  | 0 | 14.858 | Pass |
|    | QPSK  | 1860   | 100 | 0 | 19.617 | Pass |
|    |       | 1882.5 | 100 | 0 | 19.800 | Pass |
|    |       | 1905   | 100 | 0 | 19.799 | Pass |
|    |       | 1860   | 100 | 0 | 19.726 | Pass |
|    | 16QAM | 1882.5 | 100 | 0 | 19.706 | Pass |
|    |       | 1905   | 100 | 0 | 19.676 | Pass |
|    |       |        |     |   |        |      |

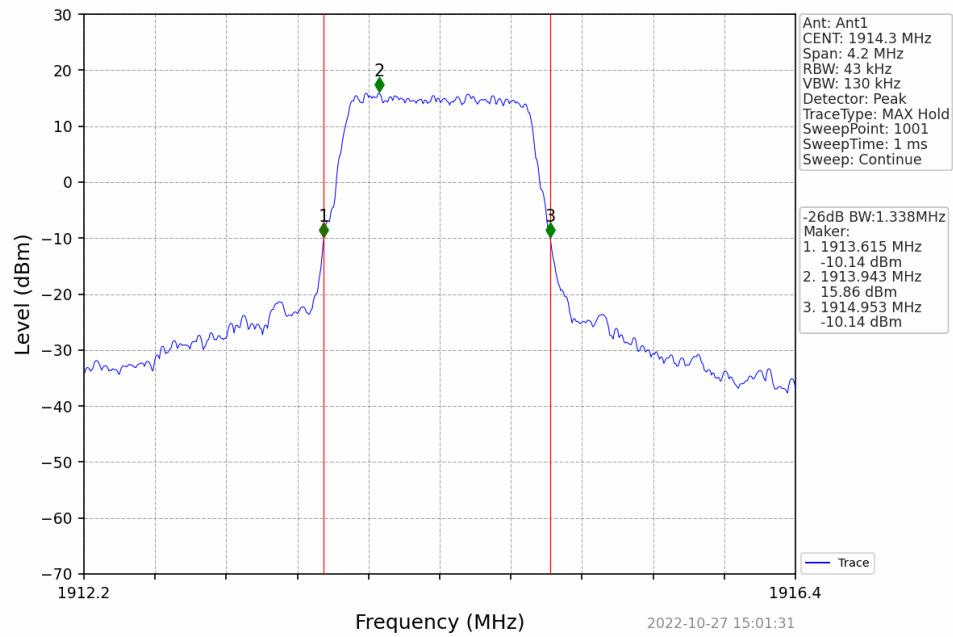


## 4.2.2 Test Graph





Band25\_1.4MHz\_64QAM\_HCH\_1914.3MHz\_RB\_6\_0\_NTNV



Band25\_3MHz\_64QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV

