

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

### 1.1 Test Result

#### 1.1.1 B5\_1.4MHz\_ERP

| Band: 5 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                       |            |           |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                               | 824.7           | 1             | 0      | 23.75                 | -4.16      | 17.44     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 23.73                 | -4.16      | 17.42     | <=34.77 | Pass    |
|                                    |                 |               | 5      | 23.67                 | -4.16      | 17.36     | <=34.77 | Pass    |
|                                    |                 | 3             | 0      | 23.67                 | -4.16      | 17.36     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 23.70                 | -4.16      | 17.39     | <=34.77 | Pass    |
|                                    |                 |               | 3      | 23.69                 | -4.16      | 17.38     | <=34.77 | Pass    |
|                                    |                 | 6             | 0      | 22.69                 | -4.16      | 16.38     | <=34.77 | Pass    |
|                                    | 836.5           | 1             | 0      | 23.68                 | -4.16      | 17.37     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 23.76                 | -4.16      | 17.45     | <=34.77 | Pass    |
|                                    |                 |               | 5      | 23.75                 | -4.16      | 17.44     | <=34.77 | Pass    |
|                                    |                 | 3             | 0      | 23.73                 | -4.16      | 17.42     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 23.68                 | -4.16      | 17.37     | <=34.77 | Pass    |
|                                    |                 |               | 3      | 23.70                 | -4.16      | 17.39     | <=34.77 | Pass    |
|                                    |                 | 6             | 0      | 22.78                 | -4.16      | 16.47     | <=34.77 | Pass    |
|                                    | 848.3           | 1             | 0      | 23.56                 | -4.16      | 17.25     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 23.62                 | -4.16      | 17.31     | <=34.77 | Pass    |
|                                    |                 |               | 5      | 23.58                 | -4.16      | 17.27     | <=34.77 | Pass    |
|                                    |                 | 3             | 0      | 23.61                 | -4.16      | 17.30     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 23.68                 | -4.16      | 17.37     | <=34.77 | Pass    |
|                                    |                 |               | 3      | 23.72                 | -4.16      | 17.41     | <=34.77 | Pass    |
|                                    |                 | 6             | 0      | 22.41                 | -4.16      | 16.10     | <=34.77 | Pass    |
| 16QAM                              | 824.7           | 1             | 0      | 22.66                 | -4.16      | 16.35     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 22.69                 | -4.16      | 16.38     | <=34.77 | Pass    |
|                                    |                 |               | 5      | 22.71                 | -4.16      | 16.40     | <=34.77 | Pass    |
|                                    |                 | 3             | 0      | 22.50                 | -4.16      | 16.19     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 22.53                 | -4.16      | 16.22     | <=34.77 | Pass    |
|                                    |                 |               | 3      | 22.48                 | -4.16      | 16.17     | <=34.77 | Pass    |
|                                    |                 | 6             | 0      | 21.70                 | -4.16      | 15.39     | <=34.77 | Pass    |
|                                    | 836.5           | 1             | 0      | 23.28                 | -4.16      | 16.97     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 23.28                 | -4.16      | 16.97     | <=34.77 | Pass    |
|                                    |                 |               | 5      | 23.35                 | -4.16      | 17.04     | <=34.77 | Pass    |
|                                    |                 | 3             | 0      | 22.76                 | -4.16      | 16.45     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 22.70                 | -4.16      | 16.39     | <=34.77 | Pass    |
|                                    |                 |               | 3      | 22.75                 | -4.16      | 16.44     | <=34.77 | Pass    |
|                                    |                 | 6             | 0      | 21.79                 | -4.16      | 15.48     | <=34.77 | Pass    |
|                                    | 848.3           | 1             | 0      | 23.07                 | -4.16      | 16.76     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 23.17                 | -4.16      | 16.86     | <=34.77 | Pass    |
|                                    |                 |               | 5      | 23.14                 | -4.16      | 16.83     | <=34.77 | Pass    |
|                                    |                 | 3             | 0      | 22.31                 | -4.16      | 16.00     | <=34.77 | Pass    |
|                                    |                 |               | 2      | 22.38                 | -4.16      | 16.07     | <=34.77 | Pass    |
|                                    |                 |               | 3      | 22.41                 | -4.16      | 16.10     | <=34.77 | Pass    |
|                                    |                 | 6             | 0      | 21.56                 | -4.16      | 15.25     | <=34.77 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

### 1.1.2 B5\_3MHz\_ERP

| Band: 5 / Bandwidth: 3MHz / NTNV |                 |               |        |                       |            |           |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                             | 825.5           | 1             | 0      | 23.61                 | -4.16      | 17.30     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 23.62                 | -4.16      | 17.31     | <=34.77 | Pass    |
|                                  |                 |               | 14     | 23.72                 | -4.16      | 17.41     | <=34.77 | Pass    |
|                                  |                 | 8             | 0      | 22.77                 | -4.16      | 16.46     | <=34.77 | Pass    |
|                                  |                 |               | 4      | 22.75                 | -4.16      | 16.44     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 22.76                 | -4.16      | 16.45     | <=34.77 | Pass    |
|                                  |                 | 15            | 0      | 22.67                 | -4.16      | 16.36     | <=34.77 | Pass    |
|                                  | 836.5           | 1             | 0      | 23.68                 | -4.16      | 17.37     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 23.77                 | -4.16      | 17.46     | <=34.77 | Pass    |
|                                  |                 |               | 14     | 23.68                 | -4.16      | 17.37     | <=34.77 | Pass    |
|                                  |                 | 8             | 0      | 22.70                 | -4.16      | 16.39     | <=34.77 | Pass    |
|                                  |                 |               | 4      | 22.73                 | -4.16      | 16.42     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 22.70                 | -4.16      | 16.39     | <=34.77 | Pass    |
|                                  |                 | 15            | 0      | 22.70                 | -4.16      | 16.39     | <=34.77 | Pass    |
|                                  | 847.5           | 1             | 0      | 23.73                 | -4.16      | 17.42     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 23.65                 | -4.16      | 17.34     | <=34.77 | Pass    |
|                                  |                 |               | 14     | 23.65                 | -4.16      | 17.34     | <=34.77 | Pass    |
|                                  |                 | 8             | 0      | 22.51                 | -4.16      | 16.20     | <=34.77 | Pass    |
|                                  |                 |               | 4      | 22.45                 | -4.16      | 16.14     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 22.54                 | -4.16      | 16.23     | <=34.77 | Pass    |
|                                  |                 | 15            | 0      | 22.48                 | -4.16      | 16.17     | <=34.77 | Pass    |
| 16QAM                            | 825.5           | 1             | 0      | 23.35                 | -4.16      | 17.04     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 23.35                 | -4.16      | 17.04     | <=34.77 | Pass    |
|                                  |                 |               | 14     | 23.34                 | -4.16      | 17.03     | <=34.77 | Pass    |
|                                  |                 | 8             | 0      | 21.89                 | -4.16      | 15.58     | <=34.77 | Pass    |
|                                  |                 |               | 4      | 21.94                 | -4.16      | 15.63     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 21.95                 | -4.16      | 15.64     | <=34.77 | Pass    |
|                                  |                 | 15            | 0      | 21.81                 | -4.16      | 15.50     | <=34.77 | Pass    |
|                                  | 836.5           | 1             | 0      | 22.70                 | -4.16      | 16.39     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 22.72                 | -4.16      | 16.41     | <=34.77 | Pass    |
|                                  |                 |               | 14     | 22.69                 | -4.16      | 16.38     | <=34.77 | Pass    |
|                                  |                 | 8             | 0      | 21.90                 | -4.16      | 15.59     | <=34.77 | Pass    |
|                                  |                 |               | 4      | 21.84                 | -4.16      | 15.53     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 21.88                 | -4.16      | 15.57     | <=34.77 | Pass    |
|                                  |                 | 15            | 0      | 21.67                 | -4.16      | 15.36     | <=34.77 | Pass    |
|                                  | 847.5           | 1             | 0      | 23.49                 | -4.16      | 17.18     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 23.41                 | -4.16      | 17.10     | <=34.77 | Pass    |
|                                  |                 |               | 14     | 23.40                 | -4.16      | 17.09     | <=34.77 | Pass    |
|                                  |                 | 8             | 0      | 21.74                 | -4.16      | 15.43     | <=34.77 | Pass    |
|                                  |                 |               | 4      | 21.52                 | -4.16      | 15.21     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 21.60                 | -4.16      | 15.29     | <=34.77 | Pass    |
|                                  |                 | 15            | 0      | 21.59                 | -4.16      | 15.28     | <=34.77 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

### 1.1.3 B5\_5MHz\_ERP

| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |           |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                             | 826.5           | 1             | 0      | 23.66                 | -4.16      | 17.35     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 23.63                 | -4.16      | 17.32     | <=34.77 | Pass    |
|                                  |                 |               | 24     | 23.60                 | -4.16      | 17.29     | <=34.77 | Pass    |
|                                  |                 | 12            | 0      | 22.73                 | -4.16      | 16.42     | <=34.77 | Pass    |
|                                  |                 |               | 6      | 22.66                 | -4.16      | 16.35     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 22.72                 | -4.16      | 16.41     | <=34.77 | Pass    |
|                                  |                 | 25            | 0      | 22.66                 | -4.16      | 16.35     | <=34.77 | Pass    |
|                                  | 836.5           | 1             | 0      | 23.62                 | -4.16      | 17.31     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 23.59                 | -4.16      | 17.28     | <=34.77 | Pass    |
|                                  |                 |               | 24     | 23.53                 | -4.16      | 17.22     | <=34.77 | Pass    |
|                                  |                 | 12            | 0      | 22.60                 | -4.16      | 16.29     | <=34.77 | Pass    |
|                                  |                 |               | 6      | 22.69                 | -4.16      | 16.38     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 22.58                 | -4.16      | 16.27     | <=34.77 | Pass    |
|                                  |                 | 25            | 0      | 22.59                 | -4.16      | 16.28     | <=34.77 | Pass    |
|                                  | 846.5           | 1             | 0      | 23.65                 | -4.16      | 17.34     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 23.64                 | -4.16      | 17.33     | <=34.77 | Pass    |
|                                  |                 |               | 24     | 23.66                 | -4.16      | 17.35     | <=34.77 | Pass    |
|                                  |                 | 12            | 0      | 22.62                 | -4.16      | 16.31     | <=34.77 | Pass    |
|                                  |                 |               | 6      | 22.47                 | -4.16      | 16.16     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 22.52                 | -4.16      | 16.21     | <=34.77 | Pass    |
|                                  |                 | 25            | 0      | 22.49                 | -4.16      | 16.18     | <=34.77 | Pass    |
| 16QAM                            | 826.5           | 1             | 0      | 22.37                 | -4.16      | 16.06     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 22.35                 | -4.16      | 16.04     | <=34.77 | Pass    |
|                                  |                 |               | 24     | 22.26                 | -4.16      | 15.95     | <=34.77 | Pass    |
|                                  |                 | 12            | 0      | 21.59                 | -4.16      | 15.28     | <=34.77 | Pass    |
|                                  |                 |               | 6      | 21.61                 | -4.16      | 15.30     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 21.62                 | -4.16      | 15.31     | <=34.77 | Pass    |
|                                  |                 | 25            | 0      | 21.77                 | -4.16      | 15.46     | <=34.77 | Pass    |
|                                  | 836.5           | 1             | 0      | 23.24                 | -4.16      | 16.93     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 23.27                 | -4.16      | 16.96     | <=34.77 | Pass    |
|                                  |                 |               | 24     | 23.25                 | -4.16      | 16.94     | <=34.77 | Pass    |
|                                  |                 | 12            | 0      | 21.67                 | -4.16      | 15.36     | <=34.77 | Pass    |
|                                  |                 |               | 6      | 21.69                 | -4.16      | 15.38     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 21.65                 | -4.16      | 15.34     | <=34.77 | Pass    |
|                                  |                 | 25            | 0      | 21.75                 | -4.16      | 15.44     | <=34.77 | Pass    |
|                                  | 846.5           | 1             | 0      | 23.09                 | -4.16      | 16.78     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 22.96                 | -4.16      | 16.65     | <=34.77 | Pass    |
|                                  |                 |               | 24     | 23.04                 | -4.16      | 16.73     | <=34.77 | Pass    |
|                                  |                 | 12            | 0      | 21.52                 | -4.16      | 15.21     | <=34.77 | Pass    |
|                                  |                 |               | 6      | 21.46                 | -4.16      | 15.15     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 21.44                 | -4.16      | 15.13     | <=34.77 | Pass    |
|                                  |                 | 25            | 0      | 21.53                 | -4.16      | 15.22     | <=34.77 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

### 1.1.4 B5\_10MHz\_ERP

| Band: 5 / Bandwidth: 10MHz / NTN |                 |               |        |                       |            |           |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                             | 829             | 1             | 0      | 23.63                 | -4.16      | 17.32     | <=34.77 | Pass    |
|                                  |                 |               | 25     | 23.66                 | -4.16      | 17.35     | <=34.77 | Pass    |
|                                  |                 |               | 49     | 23.75                 | -4.16      | 17.44     | <=34.77 | Pass    |
|                                  |                 | 25            | 0      | 22.75                 | -4.16      | 16.44     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 22.74                 | -4.16      | 16.43     | <=34.77 | Pass    |
|                                  |                 |               | 25     | 22.64                 | -4.16      | 16.33     | <=34.77 | Pass    |
|                                  |                 | 50            | 0      | 22.69                 | -4.16      | 16.38     | <=34.77 | Pass    |
|                                  |                 |               | 0      | 23.59                 | -4.16      | 17.28     | <=34.77 | Pass    |
|                                  |                 |               | 25     | 23.69                 | -4.16      | 17.38     | <=34.77 | Pass    |
|                                  | 836.5           | 1             | 49     | 23.71                 | -4.16      | 17.40     | <=34.77 | Pass    |
|                                  |                 |               | 0      | 22.75                 | -4.16      | 16.44     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 22.78                 | -4.16      | 16.47     | <=34.77 | Pass    |
|                                  |                 | 25            | 25     | 22.61                 | -4.16      | 16.30     | <=34.77 | Pass    |
|                                  |                 |               | 0      | 22.73                 | -4.16      | 16.42     | <=34.77 | Pass    |
|                                  |                 |               | 0      | 23.59                 | -4.16      | 17.28     | <=34.77 | Pass    |
|                                  |                 | 25            | 25     | 23.49                 | -4.16      | 17.18     | <=34.77 | Pass    |
|                                  |                 |               | 49     | 23.55                 | -4.16      | 17.24     | <=34.77 | Pass    |
|                                  |                 |               | 0      | 22.62                 | -4.16      | 16.31     | <=34.77 | Pass    |
|                                  | 844             | 25            | 13     | 22.67                 | -4.16      | 16.36     | <=34.77 | Pass    |
|                                  |                 |               | 25     | 22.48                 | -4.16      | 16.17     | <=34.77 | Pass    |
|                                  |                 |               | 0      | 22.48                 | -4.16      | 16.17     | <=34.77 | Pass    |
| 16QAM                            | 829             | 1             | 0      | 23.57                 | -4.16      | 17.26     | <=34.77 | Pass    |
|                                  |                 |               | 25     | 23.62                 | -4.16      | 17.31     | <=34.77 | Pass    |
|                                  |                 |               | 49     | 23.59                 | -4.16      | 17.28     | <=34.77 | Pass    |
|                                  |                 | 25            | 0      | 21.68                 | -4.16      | 15.37     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 21.67                 | -4.16      | 15.36     | <=34.77 | Pass    |
|                                  |                 |               | 25     | 22.10                 | -4.16      | 15.79     | <=34.77 | Pass    |
|                                  |                 | 50            | 0      | 21.71                 | -4.16      | 15.40     | <=34.77 | Pass    |
|                                  |                 |               | 0      | 22.82                 | -4.16      | 16.51     | <=34.77 | Pass    |
|                                  |                 |               | 25     | 22.97                 | -4.16      | 16.66     | <=34.77 | Pass    |
|                                  | 836.5           | 1             | 49     | 22.98                 | -4.16      | 16.67     | <=34.77 | Pass    |
|                                  |                 |               | 0      | 21.87                 | -4.16      | 15.56     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 21.81                 | -4.16      | 15.50     | <=34.77 | Pass    |
|                                  |                 | 25            | 25     | 21.79                 | -4.16      | 15.48     | <=34.77 | Pass    |
|                                  |                 |               | 0      | 21.65                 | -4.16      | 15.34     | <=34.77 | Pass    |
|                                  |                 |               | 0      | 23.75                 | -4.16      | 17.44     | <=34.77 | Pass    |
|                                  |                 | 25            | 25     | 23.71                 | -4.16      | 17.40     | <=34.77 | Pass    |
|                                  |                 |               | 49     | 23.72                 | -4.16      | 17.41     | <=34.77 | Pass    |
|                                  |                 |               | 0      | 21.62                 | -4.16      | 15.31     | <=34.77 | Pass    |
|                                  | 844             | 25            | 13     | 21.69                 | -4.16      | 15.38     | <=34.77 | Pass    |
|                                  |                 |               | 25     | 21.53                 | -4.16      | 15.22     | <=34.77 | Pass    |
|                                  |                 |               | 0      | 21.61                 | -4.16      | 15.30     | <=34.77 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B5\_1.4MHz

| Band: 5 / 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                        | 824.7           | 6             | 0      | 20         | 3.27          | 41.885           | 0.0508                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 20.800           | 0.0252                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 37.279           | 0.0452                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 40.183           | 0.0487                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 42.386           | 0.0514                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 45.276           | 0.0549                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 44.804           | 0.0543                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -4.621           | -0.0056               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -8.483           | -0.0103               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -8.740           | -0.0106               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -7.825           | -0.0095               | -2.5 to 2.5 | Pass    |
|                             | 836.5           | 6             | 0      | 20         | 3.27          | 13.247           | 0.0158                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 23.761           | 0.0284                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 24.018           | 0.0287                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 20.700           | 0.0247                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 16.594           | 0.0198                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 9.556            | 0.0114                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -4.249           | -0.0051               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -10.300          | -0.0123               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -14.033          | -0.0168               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -20.113          | -0.0240               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -27.609          | -0.0330               | -2.5 to 2.5 | Pass    |
|                             | 848.3           | 6             | 0      | 20         | 3.27          | 7.195            | 0.0085                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 13.361           | 0.0158                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 12.445           | 0.0147                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 10.500           | 0.0124                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 3.734            | 0.0044                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -10.686          | -0.0126               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -19.684          | -0.0232               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -27.094          | -0.0319               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -30.513          | -0.0360               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -40.898          | -0.0482               | -2.5 to 2.5 | Pass    |
| 16QAM                       | 824.7           | 6             | 0      | 20         | 3.27          | -5.736           | -0.0070               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -2.460           | -0.0030               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 2.747            | 0.0033                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 8.526            | 0.0103                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 15.149           | 0.0184                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 21.715           | 0.0263                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 20.599           | 0.0250                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 1.287            | 0.0016                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 1.631            | 0.0020                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 4.907            | 0.0060                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 11.072           | 0.0134                | -2.5 to 2.5 | Pass    |
|                             | 836.5           | 6             | 0      | 20         | 3.27          | -28.753          | -0.0344               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -27.294          | -0.0326               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -25.578          | -0.0306               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -23.246          | -0.0278               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -20.499          | -0.0245               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -23.561          | -0.0282               | -2.5 to 2.5 | Pass    |

|  |       |   |   |     |      |         |         |             |      |
|--|-------|---|---|-----|------|---------|---------|-------------|------|
|  |       |   |   | 0   | 3.85 | -20.456 | -0.0245 | -2.5 to 2.5 | Pass |
|  |       |   |   | 10  | 3.85 | -27.709 | -0.0331 | -2.5 to 2.5 | Pass |
|  |       |   |   | 30  | 3.85 | -25.134 | -0.0300 | -2.5 to 2.5 | Pass |
|  |       |   |   | 40  | 3.85 | -22.144 | -0.0265 | -2.5 to 2.5 | Pass |
|  |       |   |   | 50  | 3.85 | -19.984 | -0.0239 | -2.5 to 2.5 | Pass |
|  | 848.3 | 6 | 0 | 20  | 3.27 | -0.873  | -0.0010 | -2.5 to 2.5 | Pass |
|  |       |   |   |     | 3.85 | -0.200  | -0.0002 | -2.5 to 2.5 | Pass |
|  |       |   |   |     | 4.43 | -0.229  | -0.0003 | -2.5 to 2.5 | Pass |
|  |       |   |   | -30 | 3.85 | -7.067  | -0.0083 | -2.5 to 2.5 | Pass |
|  |       |   |   | -20 | 3.85 | -23.518 | -0.0277 | -2.5 to 2.5 | Pass |
|  |       |   |   | -10 | 3.85 | -21.529 | -0.0254 | -2.5 to 2.5 | Pass |
|  |       |   |   | 0   | 3.85 | -19.755 | -0.0233 | -2.5 to 2.5 | Pass |
|  |       |   |   | 10  | 3.85 | -13.404 | -0.0158 | -2.5 to 2.5 | Pass |
|  |       |   |   | 30  | 3.85 | -10.386 | -0.0122 | -2.5 to 2.5 | Pass |
|  |       |   |   | 40  | 3.85 | -5.264  | -0.0062 | -2.5 to 2.5 | Pass |
|  |       |   |   | 50  | 3.85 | -4.606  | -0.0054 | -2.5 to 2.5 | Pass |

## 2.1.2 B5\_3MHz

| Band: 5 / Bandwidth: 3MHz |                 |               |        |            |               |                  |                       |             |         |
|---------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                           |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                      | 825.5           | 15            | 0      | 20         | 3.27          | 34.132           | 0.0413                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 9.370            | 0.0114                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 24.118           | 0.0292                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 28.954           | 0.0351                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 30.298           | 0.0367                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 29.669           | 0.0359                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 28.296           | 0.0343                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 11.129           | 0.0135                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 17.495           | 0.0212                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 15.178           | 0.0184                | -2.5 to 2.5 | Pass    |
|                           | 836.5           | 15            | 0      | 20         | 3.27          | 10.228           | 0.0122                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 16.866           | 0.0202                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 14.777           | 0.0177                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 9.012            | 0.0108                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 2.246            | 0.0027                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -4.935           | -0.0059               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -10.571          | -0.0126               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -27.680          | -0.0331               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -34.475          | -0.0412               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 0.901            | 0.0011                | -2.5 to 2.5 | Pass    |
|                           | 847.5           | 15            | 0      | 20         | 3.27          | 6.838            | 0.0081                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 12.517           | 0.0148                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 11.644           | 0.0137                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 8.068            | 0.0095                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 3.991            | 0.0047                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -3.505           | -0.0041               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -19.698          | -0.0232               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -26.751          | -0.0316               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -33.989          | -0.0401               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -39.496          | -0.0466               | -2.5 to 2.5 | Pass    |
| 16QAM                     | 825.5           | 15            | 0      | 20         | 3.27          | 15.793           | 0.0191                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 17.896           | 0.0217                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 23.203           | 0.0281                | -2.5 to 2.5 | Pass    |

|  |       |    |   |     |      |         |         |             |      |
|--|-------|----|---|-----|------|---------|---------|-------------|------|
|  |       |    |   | -30 | 3.85 | 27.852  | 0.0337  | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | 32.229  | 0.0390  | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | 37.909  | 0.0459  | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | 41.242  | 0.0500  | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | 36.292  | 0.0440  | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | 38.753  | 0.0469  | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | 43.015  | 0.0521  | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -2.260  | -0.0027 | -2.5 to 2.5 | Pass |
|  | 836.5 | 15 | 0 | 20  | 3.27 | -20.642 | -0.0247 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 3.85 | -19.712 | -0.0236 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.43 | -19.026 | -0.0227 | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.85 | -15.450 | -0.0185 | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | -10.686 | -0.0128 | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | -5.894  | -0.0070 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -6.566  | -0.0078 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -2.403  | -0.0029 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -8.883  | -0.0106 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -7.739  | -0.0093 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -2.890  | -0.0035 | -2.5 to 2.5 | Pass |
|  | 847.5 | 15 | 0 | 20  | 3.27 | 3.190   | 0.0038  | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 3.85 | 1.688   | 0.0020  | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.43 | 4.535   | 0.0054  | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.85 | 2.804   | 0.0033  | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | 0.372   | 0.0004  | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | -12.374 | -0.0146 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -3.848  | -0.0045 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -2.289  | -0.0027 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | 1.688   | 0.0020  | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | 2.003   | 0.0024  | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | 3.333   | 0.0039  | -2.5 to 2.5 | Pass |

### 2.1.3 B5\_5MHz

| Band: 5 / Bandwidth: 5MHz |                 |               |        |            |               |                  |                       |             |         |
|---------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                           |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                      | 826.5           | 25            | 0      | 20         | 3.27          | 16.279           | 0.0197                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 20.428           | 0.0247                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 28.038           | 0.0339                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 30.169           | 0.0365                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 21.715           | 0.0263                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -3.777           | -0.0046               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -5.350           | -0.0065               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -10.042          | -0.0122               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -8.855           | -0.0107               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -10.815          | -0.0131               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | -12.403          | -0.0150               | -2.5 to 2.5 | Pass    |
|                           | 836.5           | 25            | 0      | 20         | 3.27          | 8.998            | 0.0108                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 15.979           | 0.0191                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 17.395           | 0.0208                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 12.946           | 0.0155                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | 4.578            | 0.0055                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | -11.473          | -0.0137               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | -17.838          | -0.0213               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | -25.291          | -0.0302               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | -29.511          | -0.0353               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | -35.391          | -0.0423               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | -39.968          | -0.0478               | -2.5 to 2.5 | Pass    |

|       |       |    |   |     |      |         |         |             |      |
|-------|-------|----|---|-----|------|---------|---------|-------------|------|
|       | 846.5 | 25 | 0 | 20  | 3.27 | 4.749   | 0.0056  | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | 3.605   | 0.0043  | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -4.306  | -0.0051 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -7.195  | -0.0085 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -9.828  | -0.0116 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -14.606 | -0.0173 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -27.380 | -0.0323 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -31.414 | -0.0371 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -36.936 | -0.0436 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -42.257 | -0.0499 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -5.064  | -0.0060 | -2.5 to 2.5 | Pass |
| 16QAM | 826.5 | 25 | 0 | 20  | 3.27 | -9.513  | -0.0115 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -8.254  | -0.0100 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -11.730 | -0.0142 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -7.381  | -0.0089 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -2.789  | -0.0034 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -0.815  | -0.0010 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -5.622  | -0.0068 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | 1.345   | 0.0016  | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | 2.775   | 0.0034  | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | 7.195   | 0.0087  | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | 10.958  | 0.0133  | -2.5 to 2.5 | Pass |
|       | 836.5 | 25 | 0 | 20  | 3.27 | -27.409 | -0.0328 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | 6.838   | 0.0082  | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | 8.283   | 0.0099  | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | 11.287  | 0.0135  | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | 12.417  | 0.0148  | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | 16.508  | 0.0197  | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | 14.963  | 0.0179  | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | 1.860   | 0.0022  | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | 11.015  | 0.0132  | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | 11.716  | 0.0140  | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | 12.374  | 0.0148  | -2.5 to 2.5 | Pass |
|       | 846.5 | 25 | 0 | 20  | 3.27 | -5.336  | -0.0063 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -4.048  | -0.0048 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -3.219  | -0.0038 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -1.259  | -0.0015 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | 2.589   | 0.0031  | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | 4.635   | 0.0055  | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | 6.766   | 0.0080  | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | 11.559  | 0.0137  | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -4.320  | -0.0051 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | 4.363   | 0.0052  | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | 7.396   | 0.0087  | -2.5 to 2.5 | Pass |

## 2.1.4 B5\_10MHz

| Band: 5 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 829             | 50            | 0      | 20         | 3.27          | 12.646           | 0.0153                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 30.928           | 0.0373                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 25.749           | 0.0311                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 16.179           | 0.0195                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -6.952           | -0.0084               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -15.979          | -0.0193               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -23.217          | -0.0280               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -31.257          | -0.0377               | -2.5 to 2.5 | Pass    |



|       |       |    |   |     |      |         |         |             |      |
|-------|-------|----|---|-----|------|---------|---------|-------------|------|
|       |       |    |   | 30  | 3.85 | -36.407 | -0.0439 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -39.597 | -0.0478 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -0.629  | -0.0008 | -2.5 to 2.5 | Pass |
|       | 836.5 | 50 | 0 | 20  | 3.27 | 9.570   | 0.0114  | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | 7.582   | 0.0091  | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -2.203  | -0.0026 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -9.170  | -0.0110 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -13.862 | -0.0166 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -17.252 | -0.0206 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -20.328 | -0.0243 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -32.101 | -0.0384 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -35.090 | -0.0419 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -37.580 | -0.0449 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -40.956 | -0.0490 | -2.5 to 2.5 | Pass |
|       | 844   | 50 | 0 | 20  | 3.27 | 12.889  | 0.0153  | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | 19.898  | 0.0236  | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | 19.884  | 0.0236  | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | 15.521  | 0.0184  | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | 10.185  | 0.0121  | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -5.379  | -0.0064 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -10.328 | -0.0122 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -9.842  | -0.0117 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -11.859 | -0.0141 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -14.806 | -0.0175 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -16.766 | -0.0199 | -2.5 to 2.5 | Pass |
| 16QAM | 829   | 50 | 0 | 20  | 3.27 | -12.617 | -0.0152 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -22.645 | -0.0273 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -12.059 | -0.0145 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -2.246  | -0.0027 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | 5.007   | 0.0060  | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | 3.347   | 0.0040  | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | 8.025   | 0.0097  | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | 13.862  | 0.0167  | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | 19.612  | 0.0237  | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | 22.717  | 0.0274  | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | 27.552  | 0.0332  | -2.5 to 2.5 | Pass |
|       | 836.5 | 50 | 0 | 20  | 3.27 | -40.541 | -0.0485 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -32.616 | -0.0390 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -26.007 | -0.0311 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -30.026 | -0.0359 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -35.477 | -0.0424 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | 8.240   | 0.0099  | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | 15.564  | 0.0186  | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | 23.346  | 0.0279  | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | 28.667  | 0.0343  | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | 34.647  | 0.0414  | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | 26.579  | 0.0318  | -2.5 to 2.5 | Pass |
|       | 844   | 50 | 0 | 20  | 3.27 | -24.390 | -0.0289 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -19.341 | -0.0229 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -19.054 | -0.0226 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -10.486 | -0.0124 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -4.277  | -0.0051 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | 1.202   | 0.0014  | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -12.703 | -0.0151 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -16.336 | -0.0194 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -9.112  | -0.0108 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -1.259  | -0.0015 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | 5.593   | 0.0066  | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

##### 3.1.1 B5\_1.4MHz

| Band: 5 / Bandwidth: 1.4MHz / NTV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 836.5           | 6             | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 836.5           | 6             | 0      | Refer To Test Graph        |       | Pass    |

##### 3.1.2 B5\_3MHz

| Band: 5 / Bandwidth: 3MHz / NTNV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                  |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                             | 836.5           | 15            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                            | 836.5           | 15            | 0      | Refer To Test Graph        |       | Pass    |

##### 3.1.3 B5\_5MHz

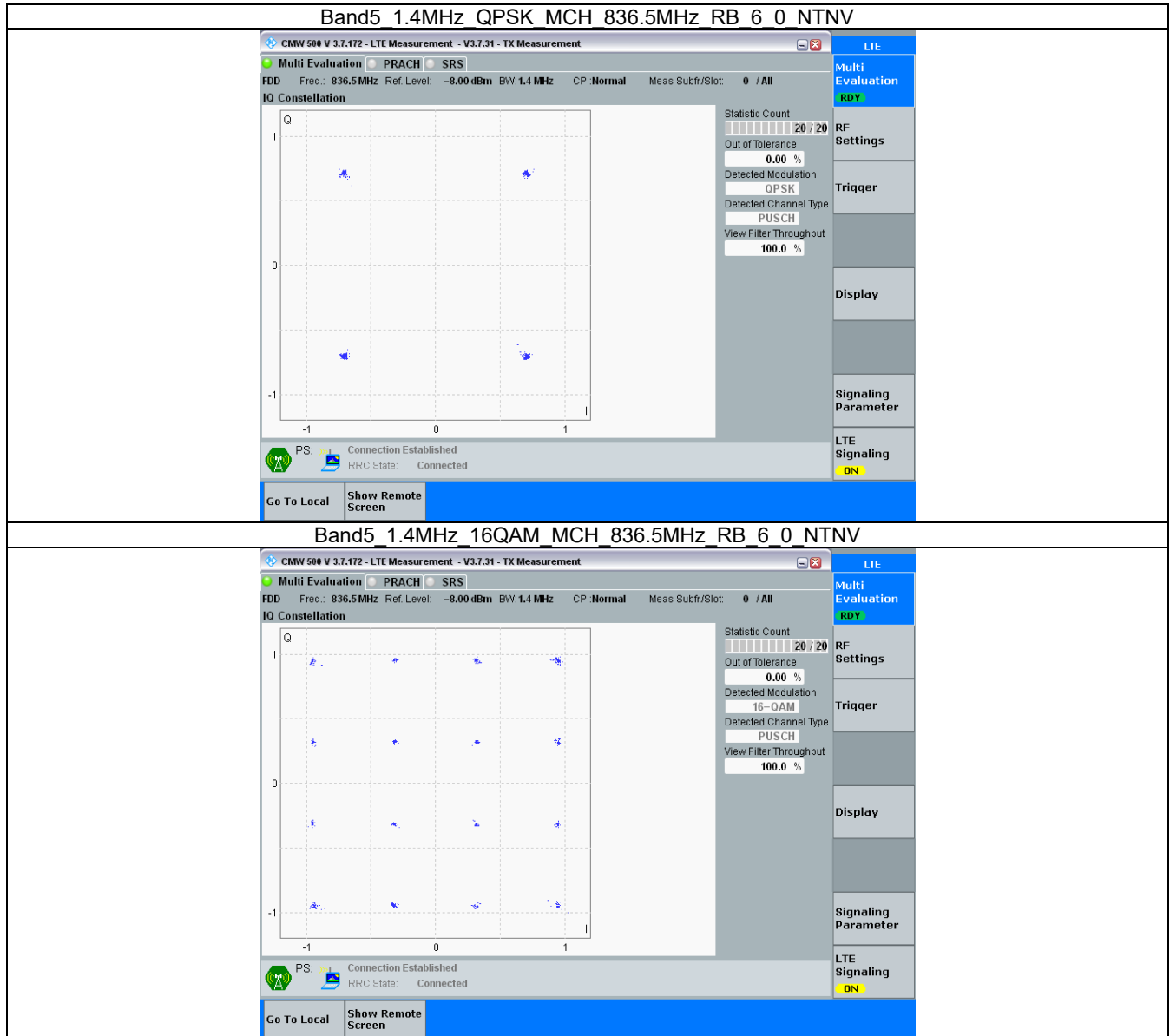
| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                  |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                             | 836.5           | 25            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                            | 836.5           | 25            | 0      | Refer To Test Graph        |       | Pass    |

##### 3.1.4 B5\_10MHz

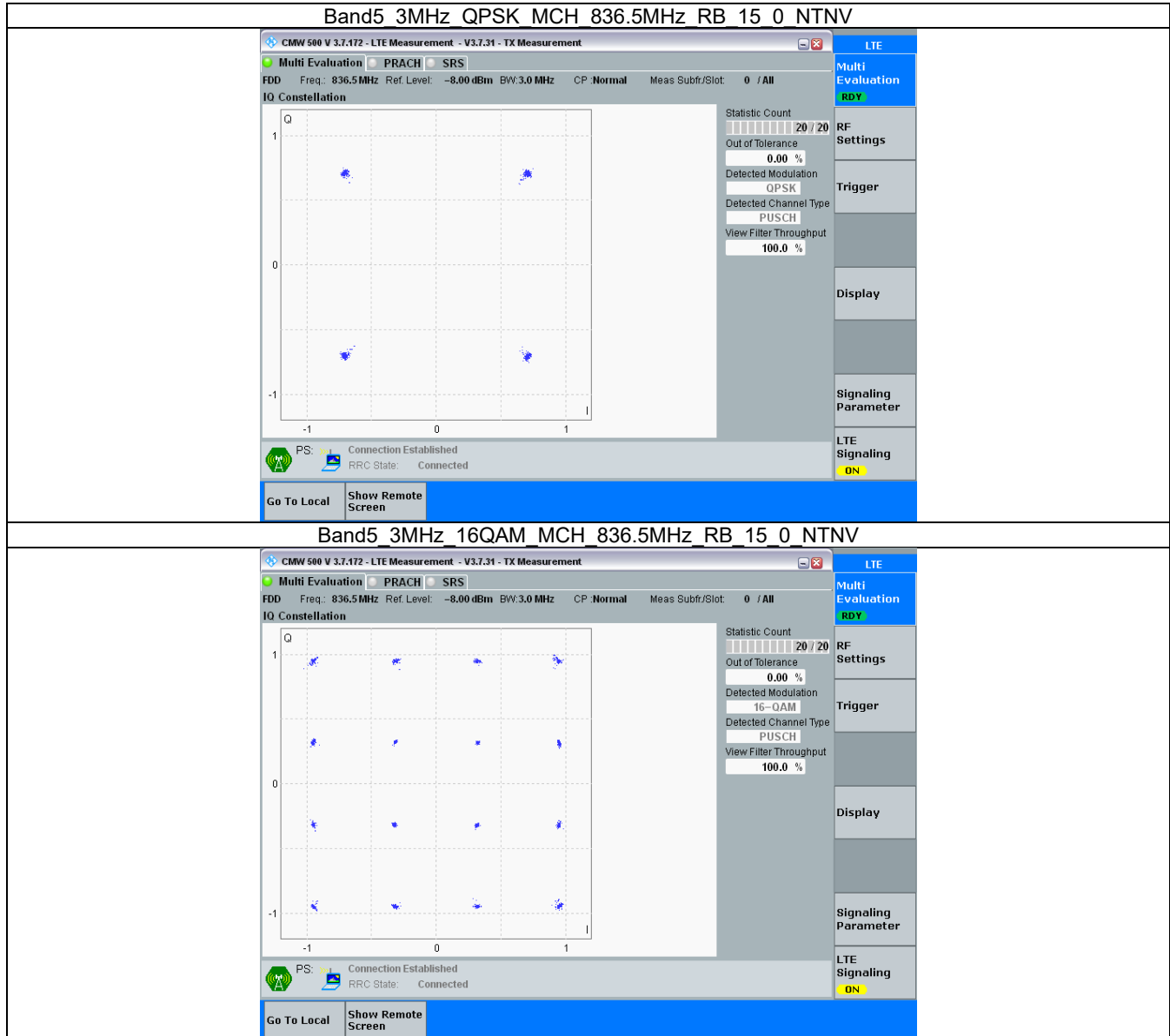
| Band: 5 / Bandwidth: 10MHz / NTV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                  |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                             | 836.5           | 50            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                            | 836.5           | 50            | 0      | Refer To Test Graph        |       | Pass    |

## 3.2 Test Graph

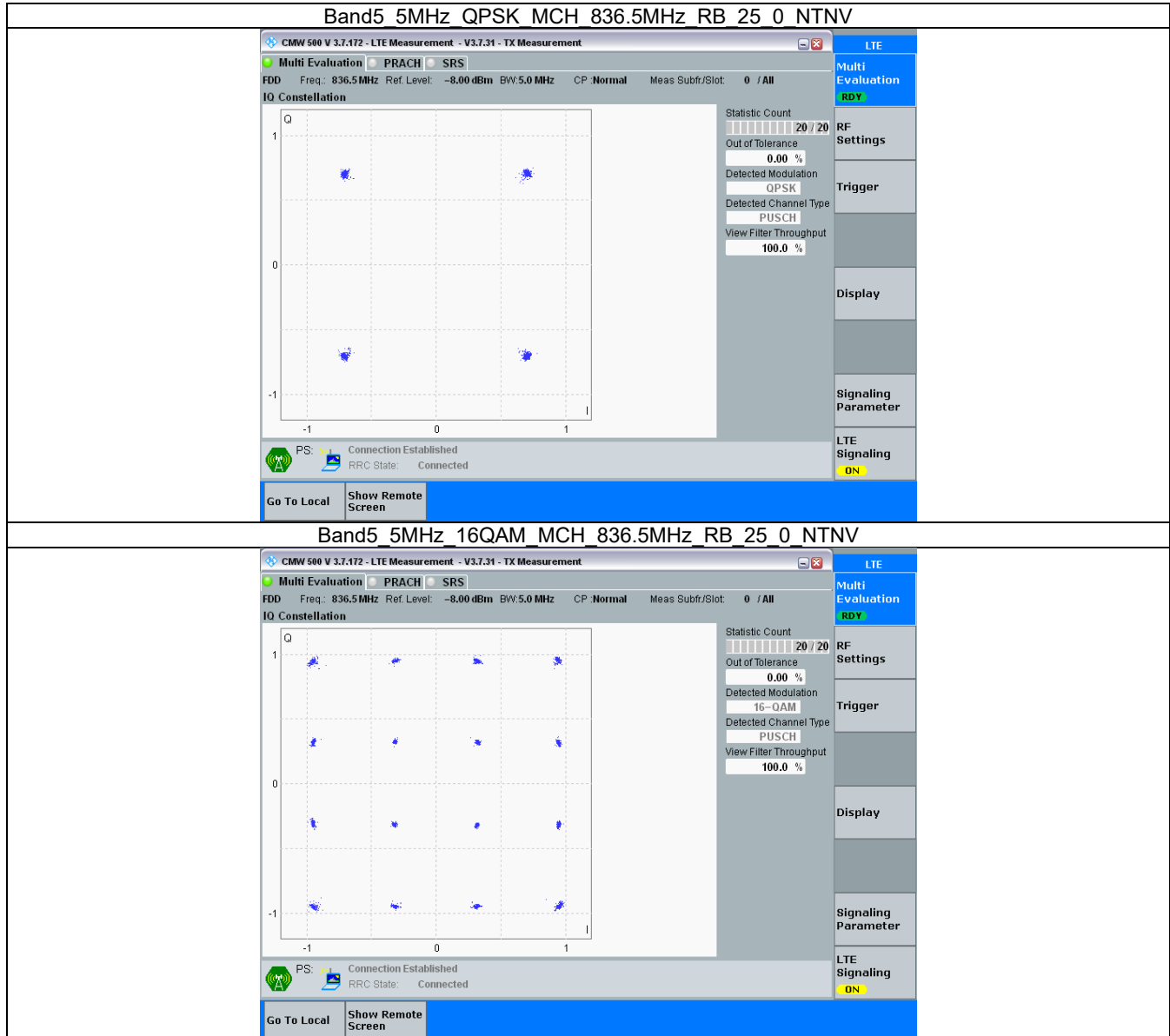
### 3.2.1 B5\_1.4MHz



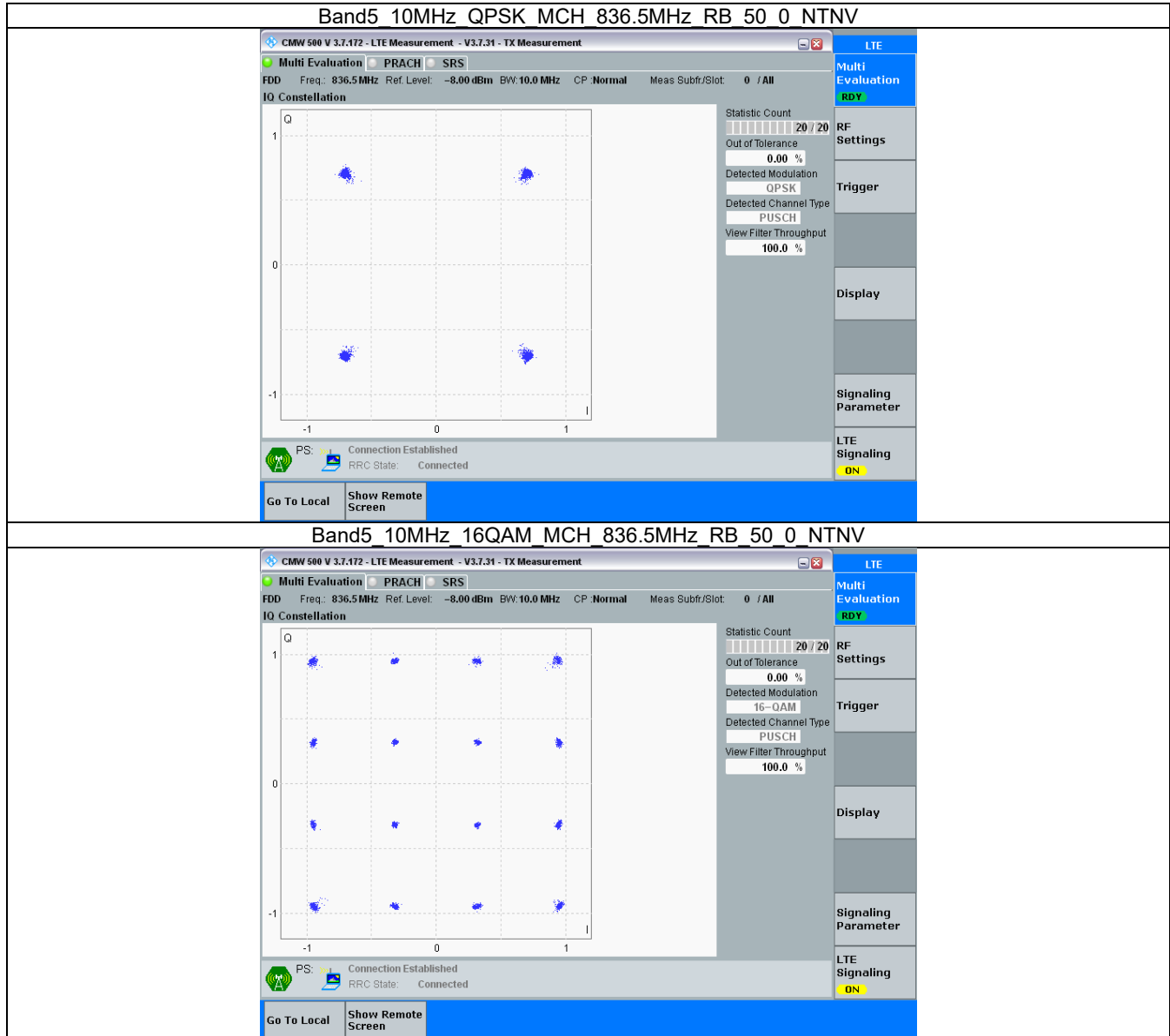
### 3.2.2 B5\_3MHz



### 3.2.3 B5\_5MHz



### 3.2.4 B5\_10MHz



## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 Band5\_OBW

| Band: 5 / NTNV  |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 824.7           | 6             | 0      | 1.119                        | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.116                        | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.107                        | /     | Pass    |
|                 | 16QAM      | 824.7           | 6             | 0      | 1.124                        | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.111                        | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.108                        | /     | Pass    |
| 3               | QPSK       | 825.5           | 15            | 0      | 2.757                        | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 2.753                        | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 2.739                        | /     | Pass    |
|                 | 16QAM      | 825.5           | 15            | 0      | 2.792                        | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 2.752                        | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 2.752                        | /     | Pass    |
| 5               | QPSK       | 826.5           | 25            | 0      | 4.565                        | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 4.546                        | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 4.548                        | /     | Pass    |
|                 | 16QAM      | 826.5           | 25            | 0      | 4.552                        | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 4.569                        | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 4.556                        | /     | Pass    |
| 10              | QPSK       | 829             | 50            | 0      | 9.050                        | /     | Pass    |
|                 |            | 836.5           | 50            | 0      | 9.063                        | /     | Pass    |
|                 |            | 844             | 50            | 0      | 9.046                        | /     | Pass    |
|                 | 16QAM      | 829             | 50            | 0      | 9.042                        | /     | Pass    |
|                 |            | 836.5           | 50            | 0      | 9.071                        | /     | Pass    |
|                 |            | 844             | 50            | 0      | 9.087                        | /     | Pass    |

#### 4.1.2 Band5\_XDB

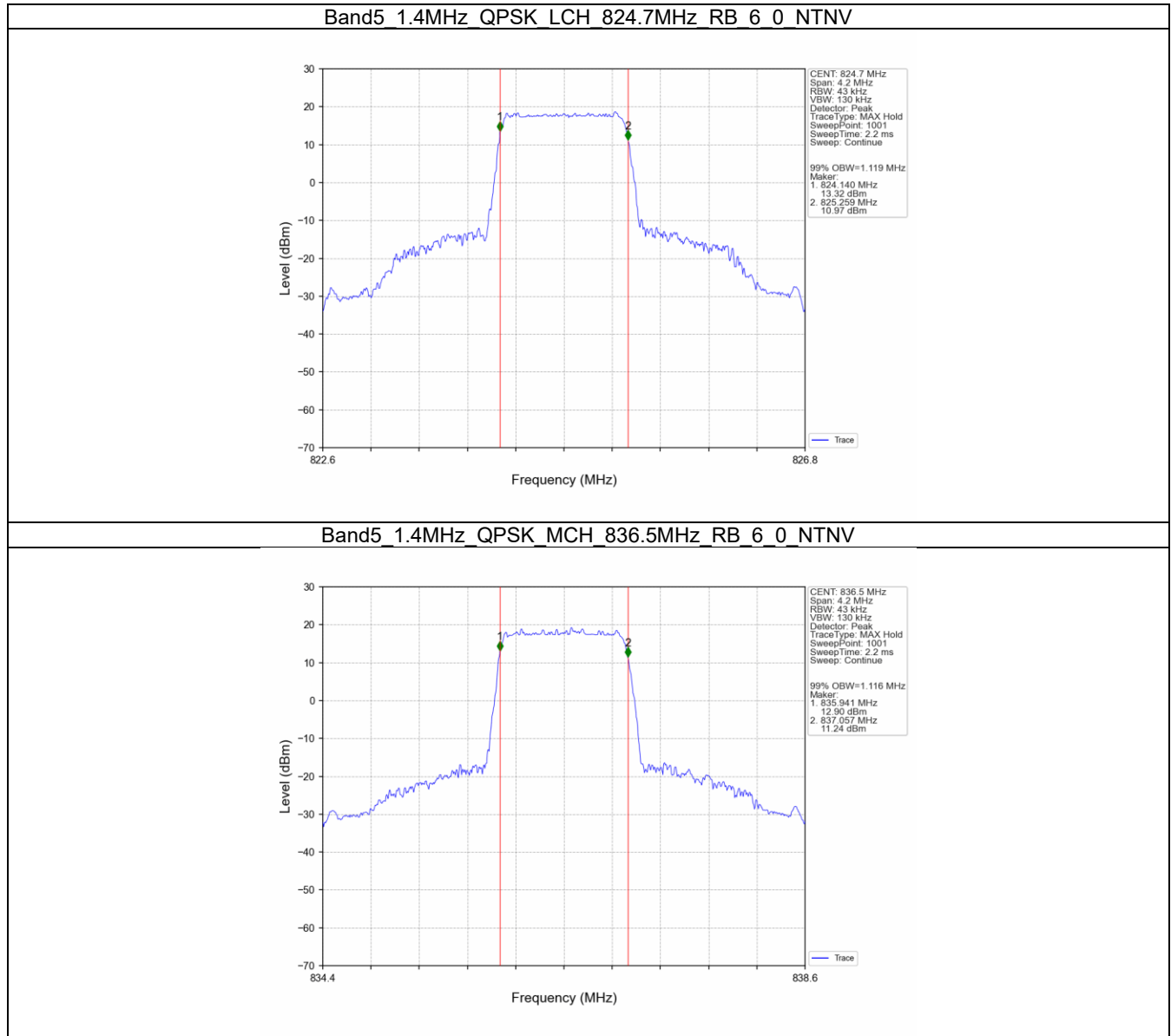
| Band: 5 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 824.7           | 6             | 0      | 1.292                | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.275                | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.268                | /     | Pass    |
|                 | 16QAM      | 824.7           | 6             | 0      | 1.269                | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.273                | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.267                | /     | Pass    |
| 3               | QPSK       | 825.5           | 15            | 0      | 3.108                | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 3.088                | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 3.076                | /     | Pass    |
|                 | 16QAM      | 825.5           | 15            | 0      | 3.118                | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 3.121                | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 3.088                | /     | Pass    |
| 5               | QPSK       | 826.5           | 25            | 0      | 5.043                | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 5.071                | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 5.066                | /     | Pass    |

|    |       |       |    |   |        |   |      |
|----|-------|-------|----|---|--------|---|------|
| 10 | 16QAM | 826.5 | 25 | 0 | 5.050  | / | Pass |
|    |       | 836.5 | 25 | 0 | 5.057  | / | Pass |
|    |       | 846.5 | 25 | 0 | 5.064  | / | Pass |
|    | QPSK  | 829   | 50 | 0 | 9.986  | / | Pass |
|    |       | 836.5 | 50 | 0 | 9.797  | / | Pass |
|    |       | 844   | 50 | 0 | 10.058 | / | Pass |
|    | 16QAM | 829   | 50 | 0 | 10.039 | / | Pass |
|    |       | 836.5 | 50 | 0 | 9.992  | / | Pass |
|    |       | 844   | 50 | 0 | 10.062 | / | Pass |

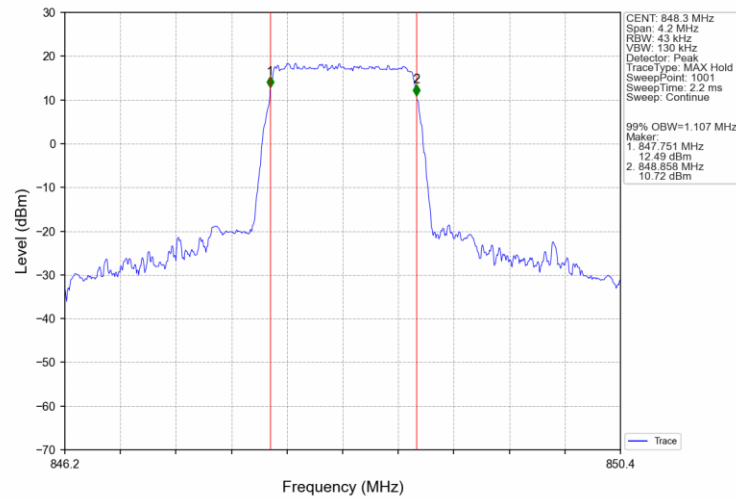


## 4.2 Test Graph

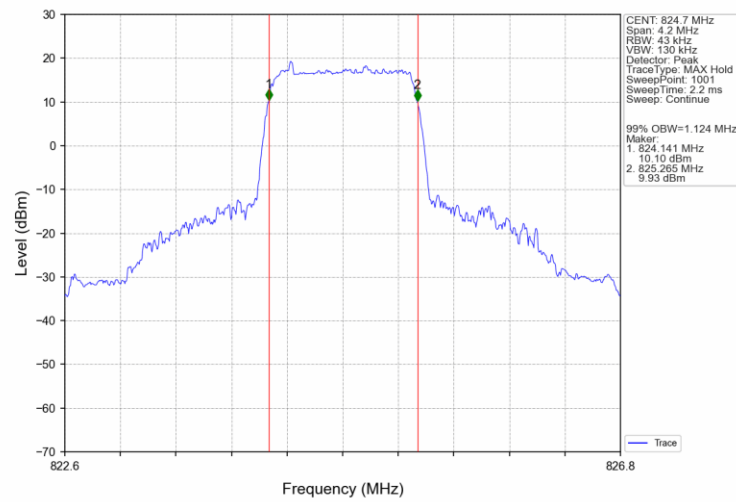
### 4.2.1 Band5\_OBW



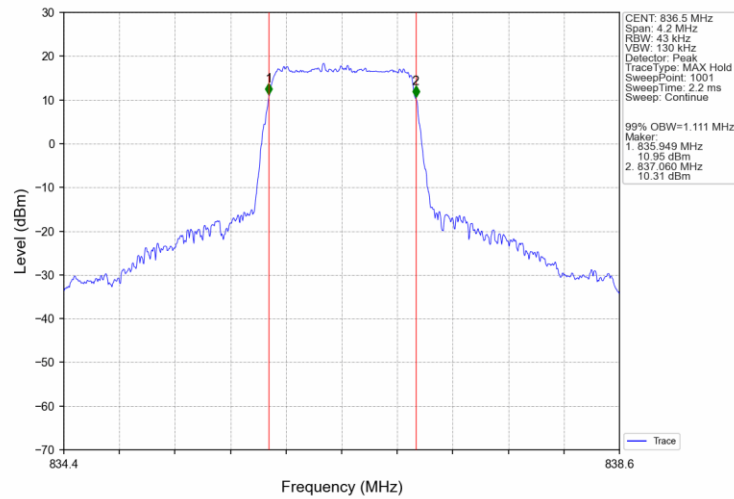
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



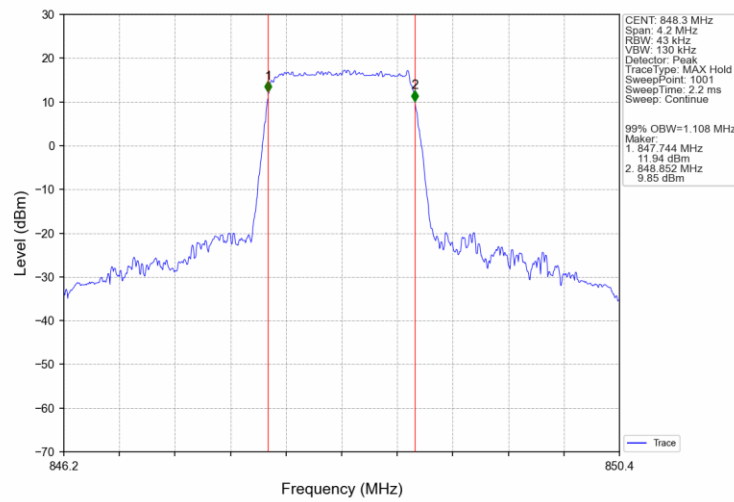
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



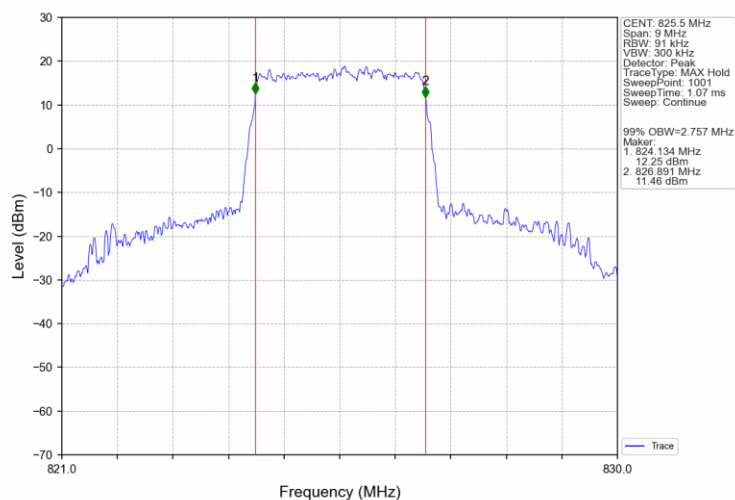
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



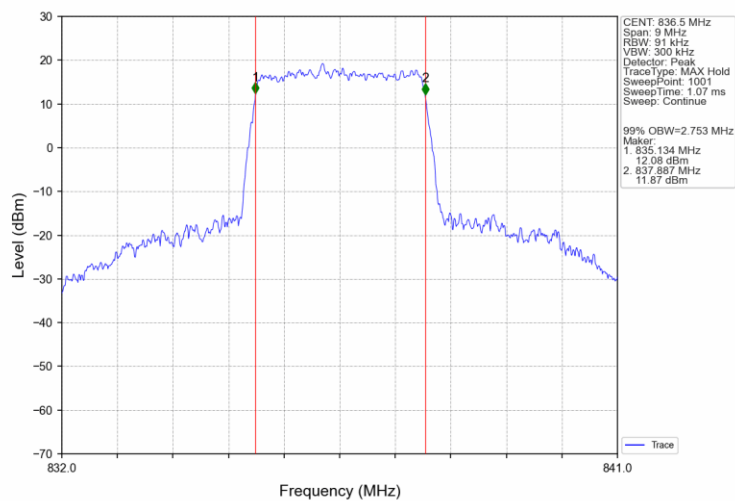
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



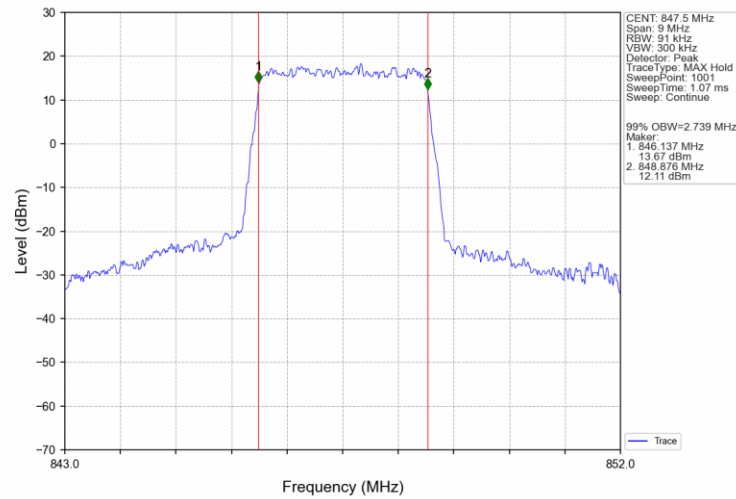
### Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



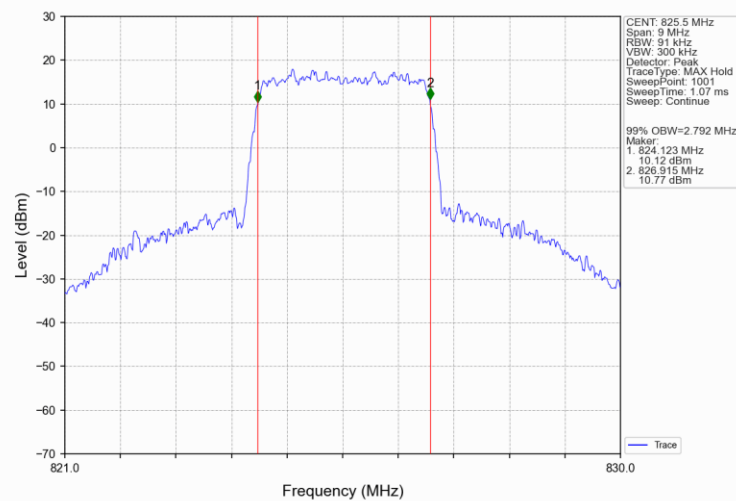
### Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



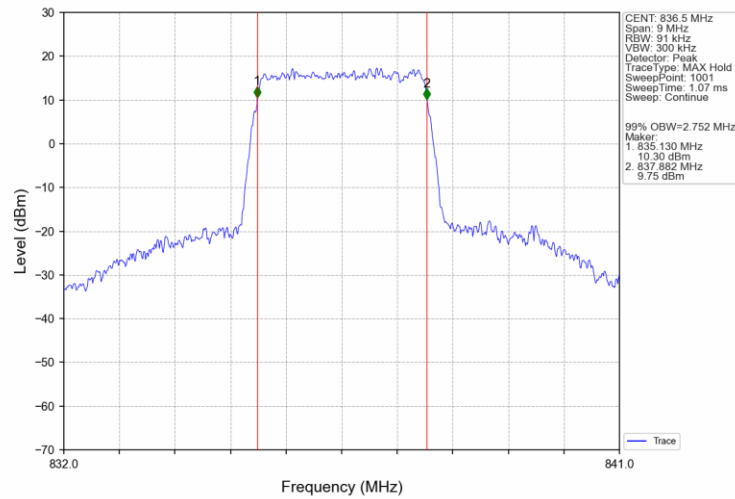
### Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



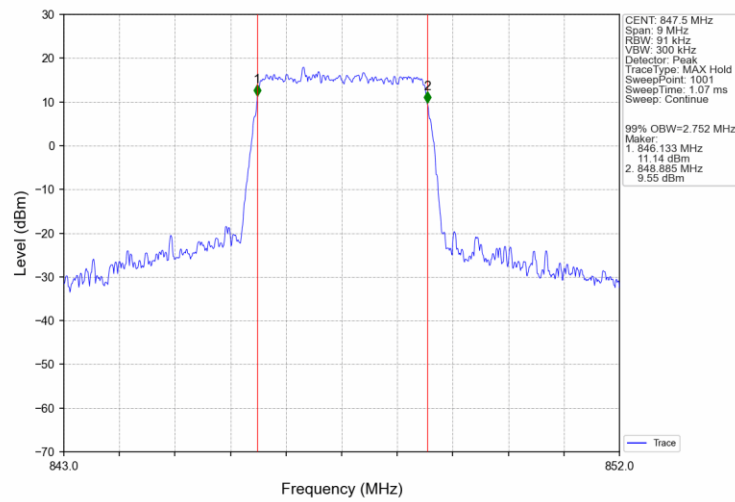
### Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



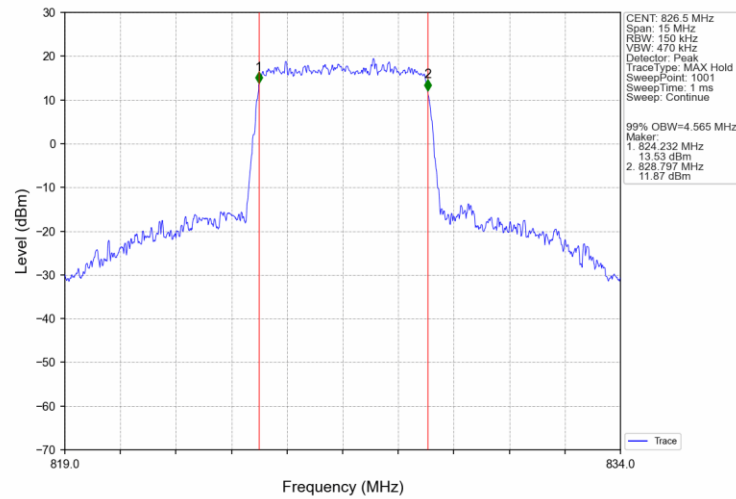
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



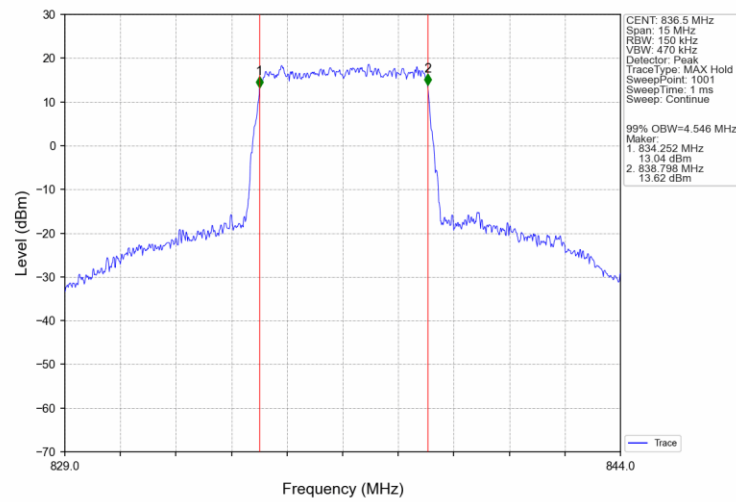
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



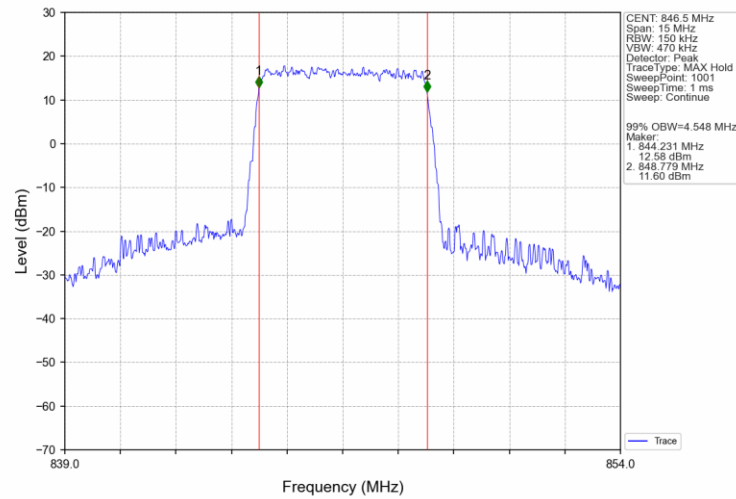
### Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



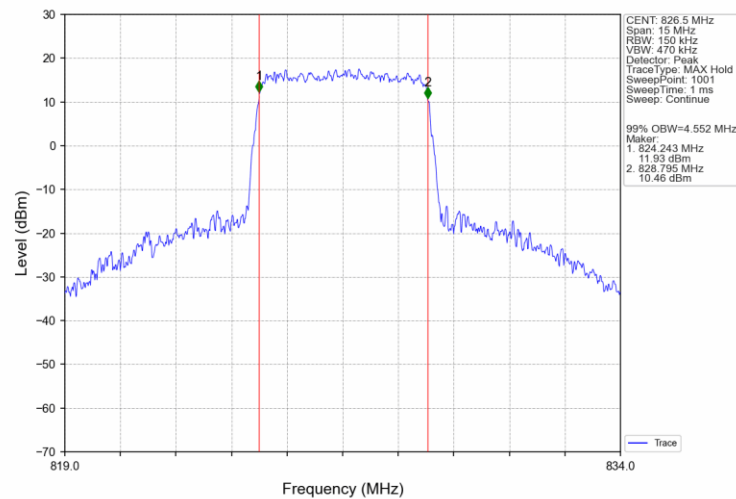
### Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



### Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV

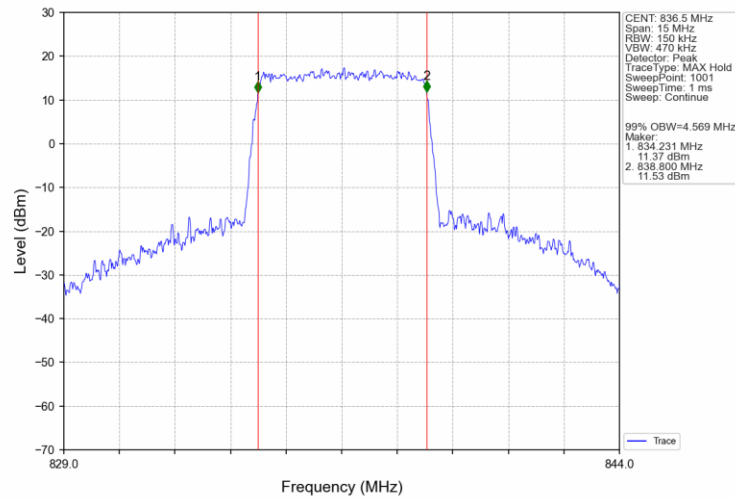


### Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV

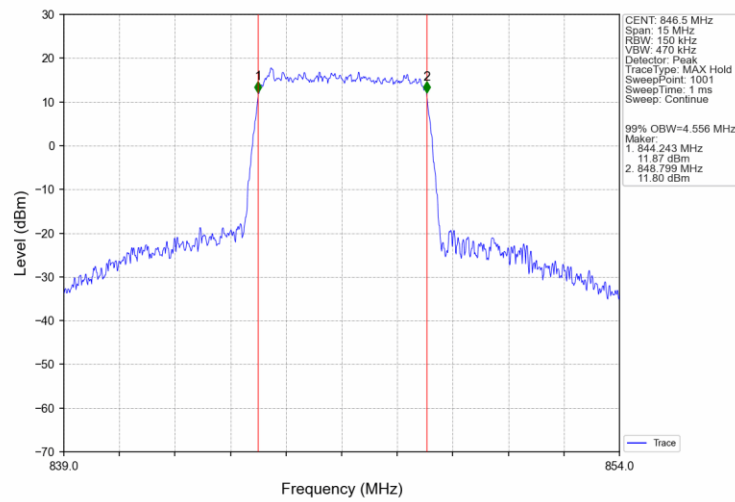




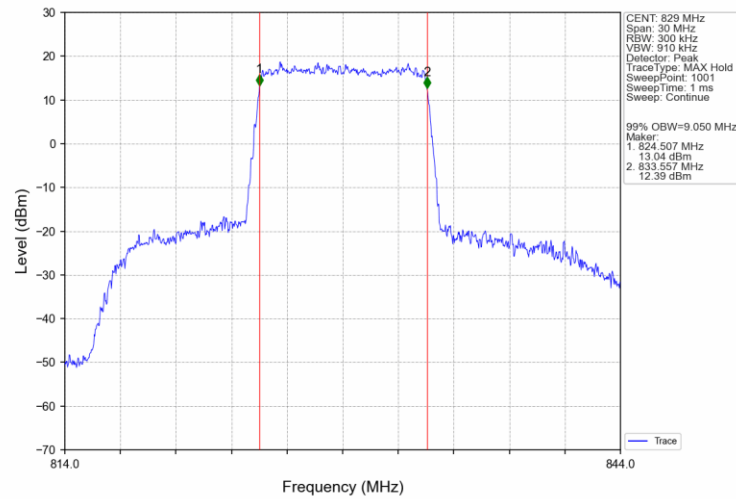
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



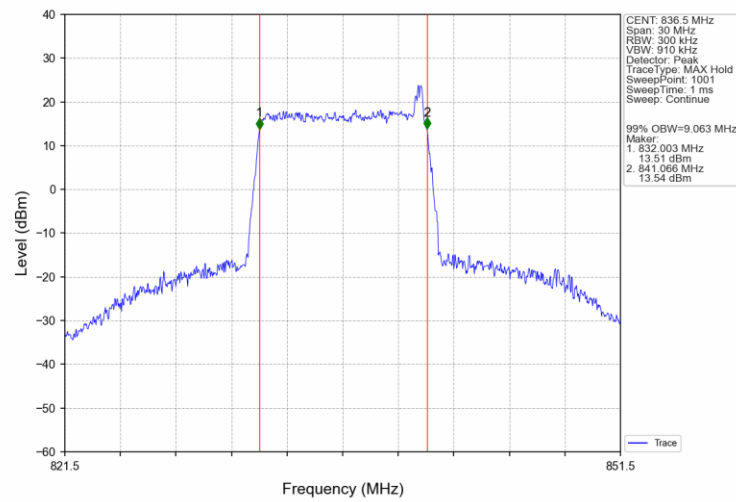
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



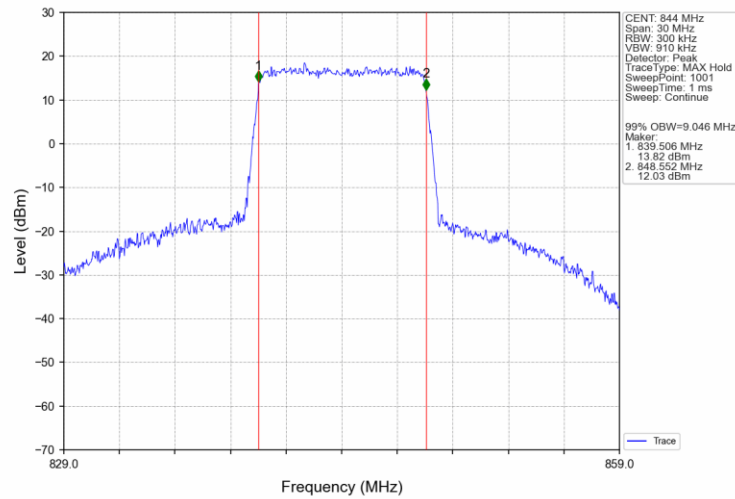
### Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN



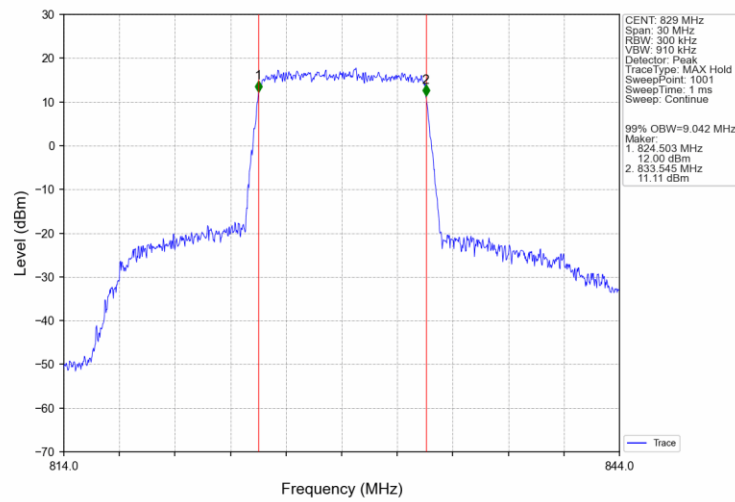
### Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTN



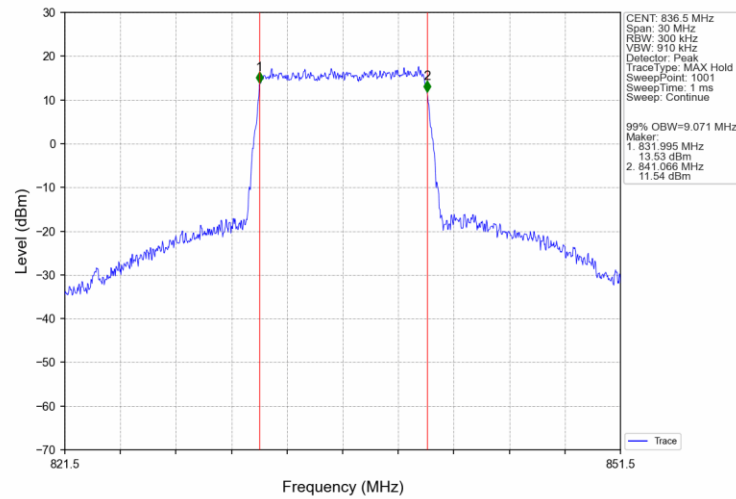
### Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



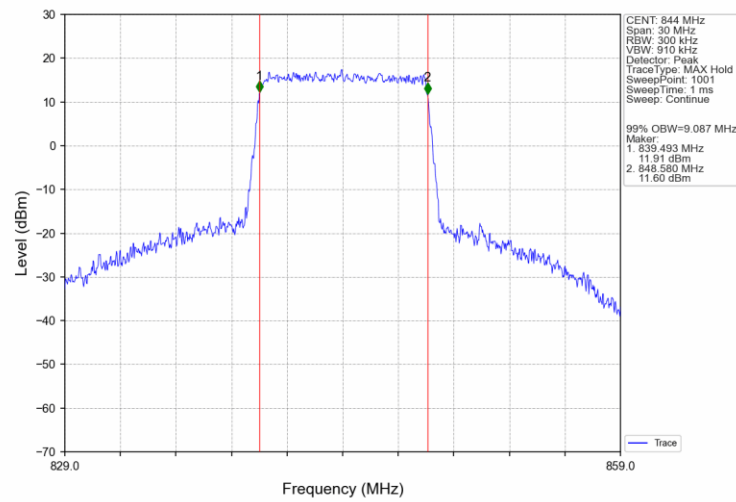
### Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV



Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_50\_0\_NTNV

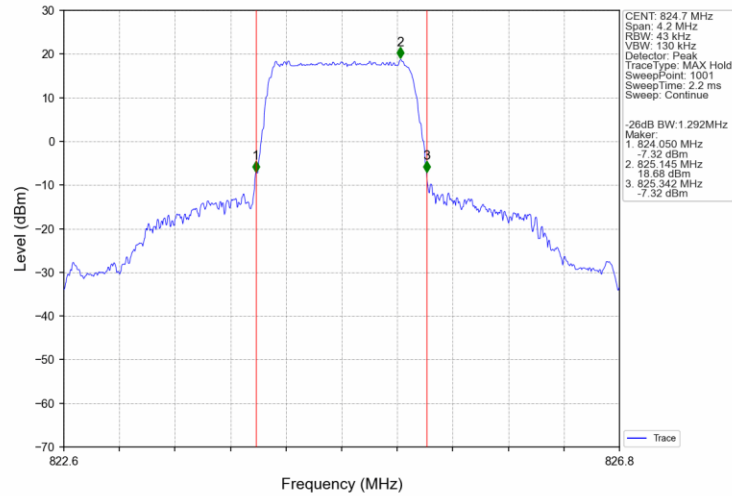


Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_50\_0\_NTNV

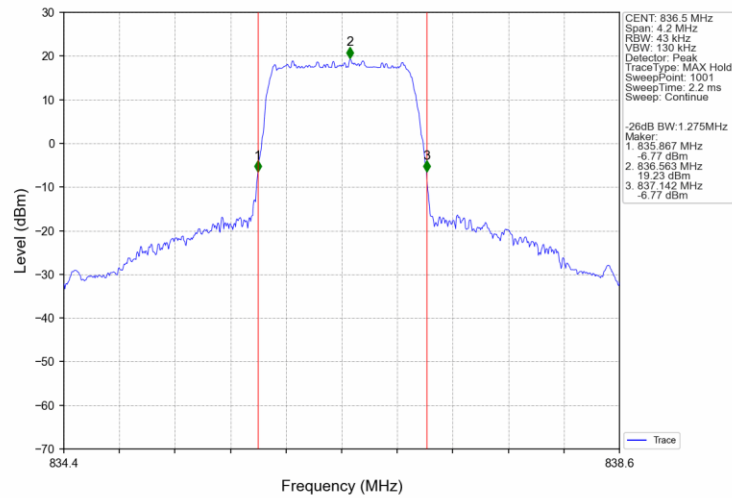


### 4.2.2 Band5\_XDB

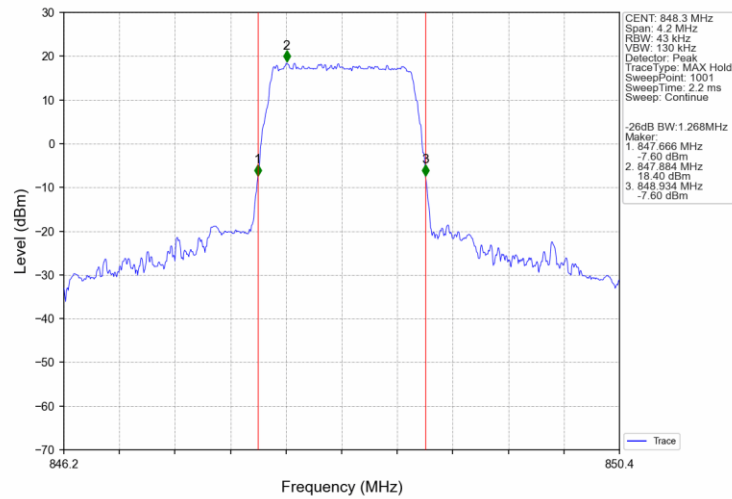
Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTN



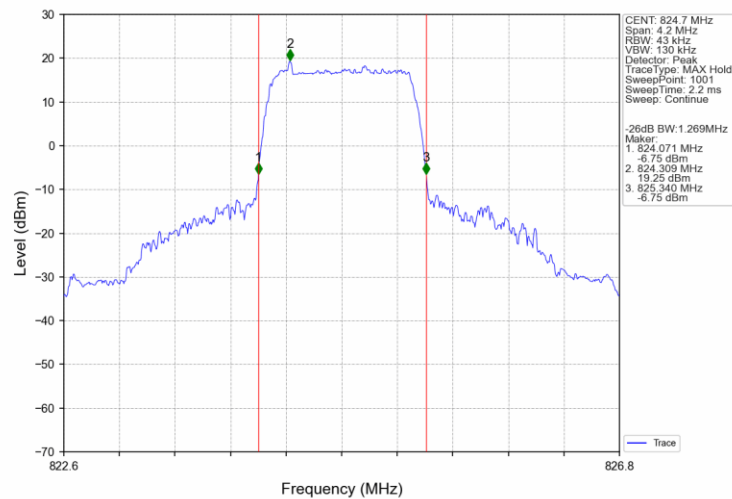
Band5 1.4MHz QPSK MCH 836.5MHz RB 6 0 NTN



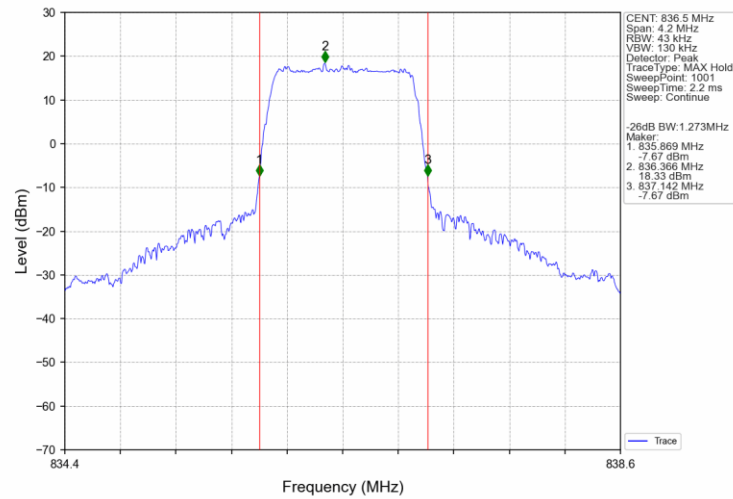
### Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



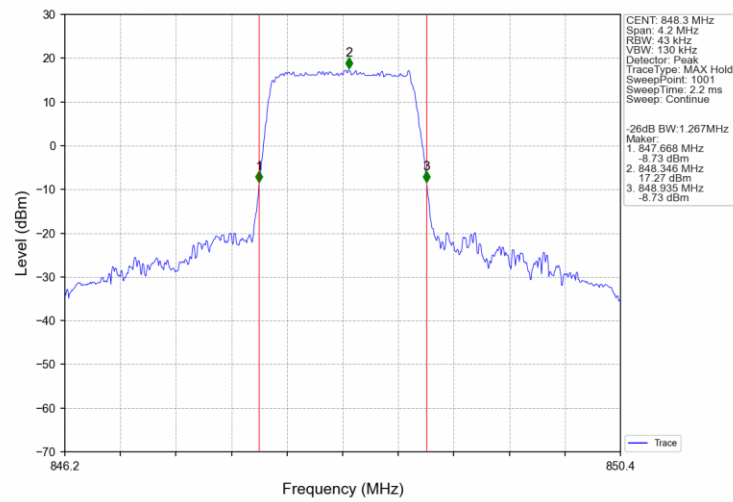
### Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



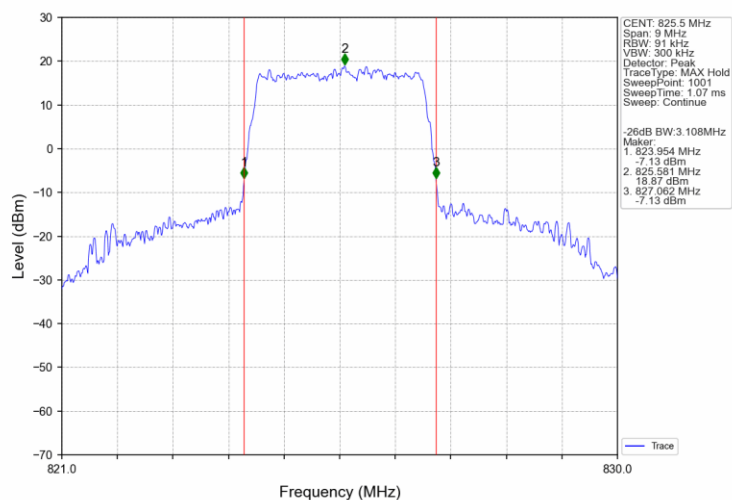
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



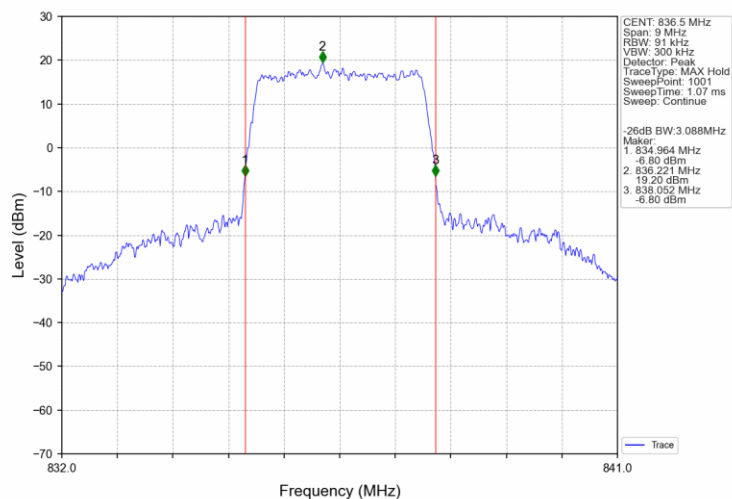
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



### Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV

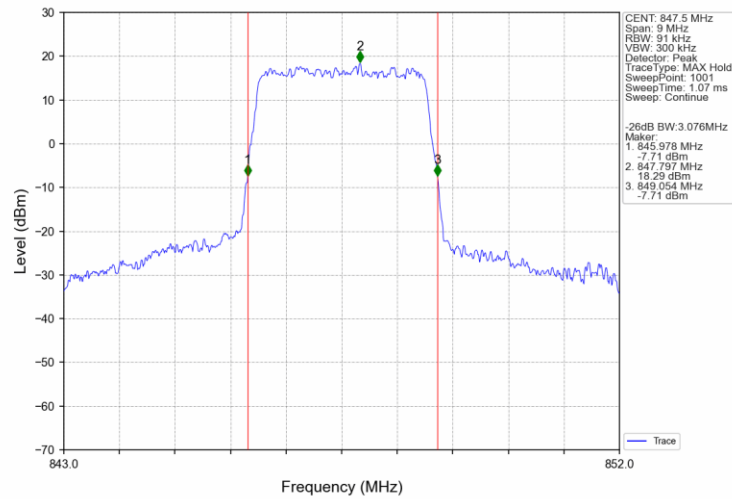


### Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV

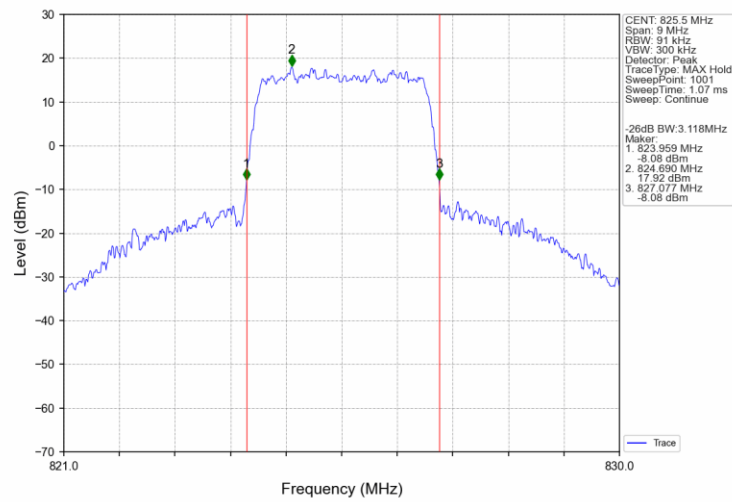




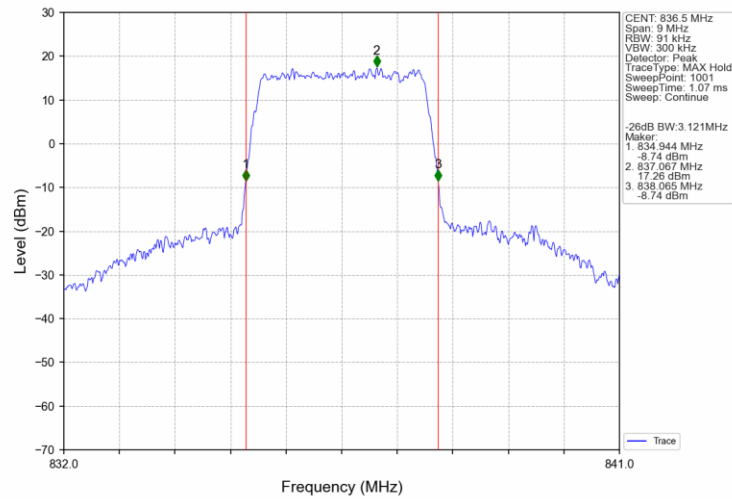
### Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



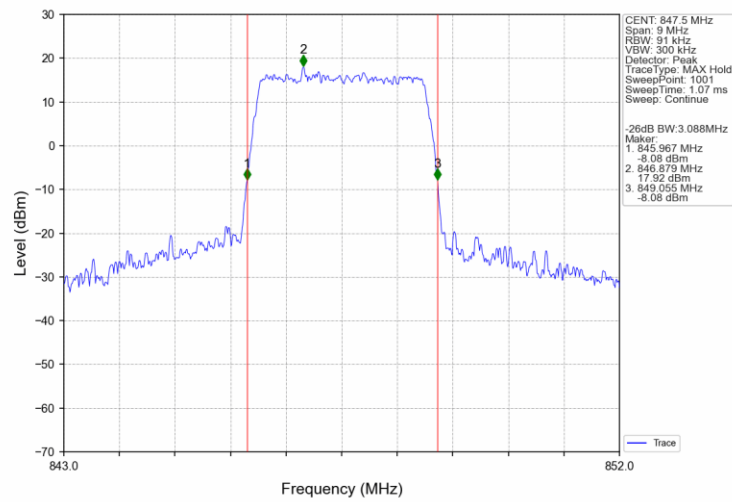
### Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



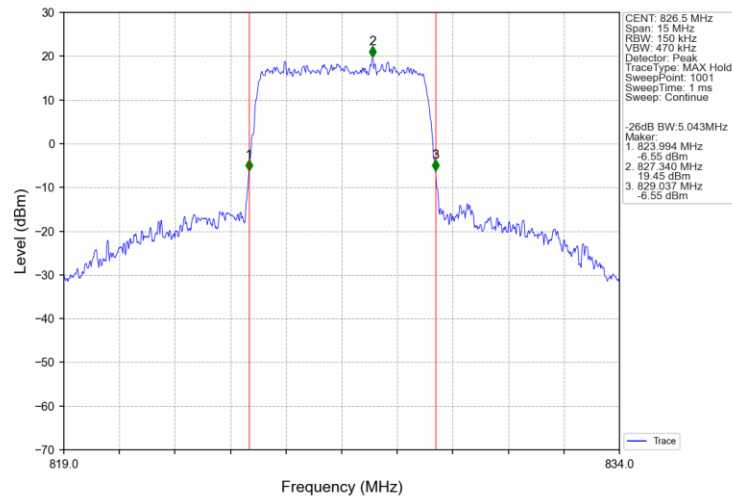
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTV



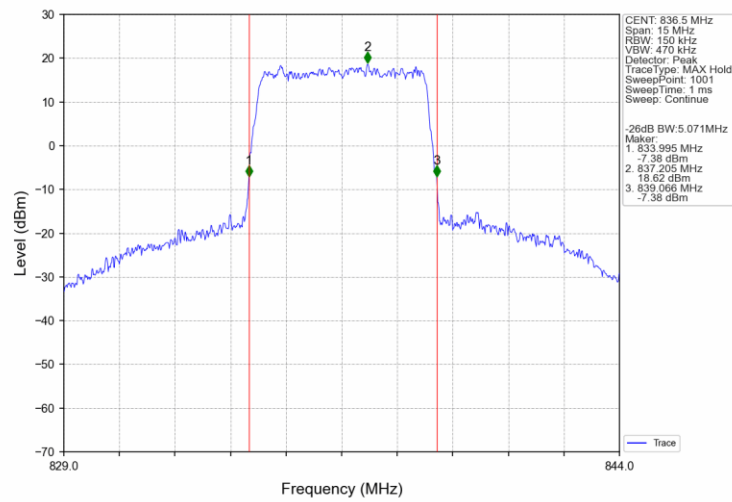
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV



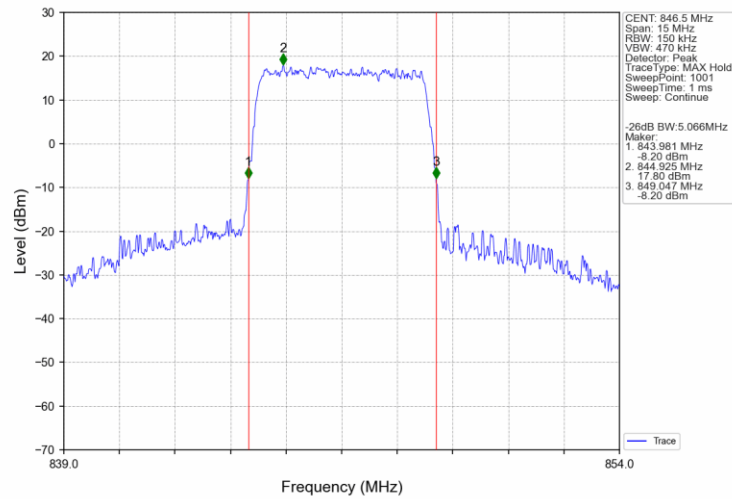
### Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



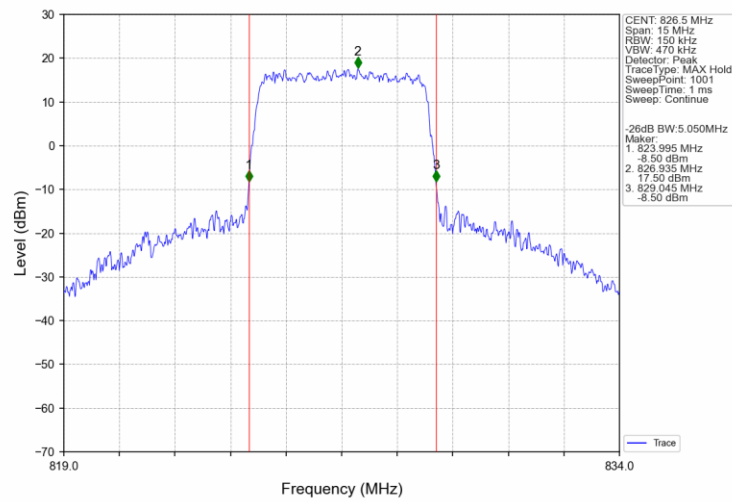
### Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



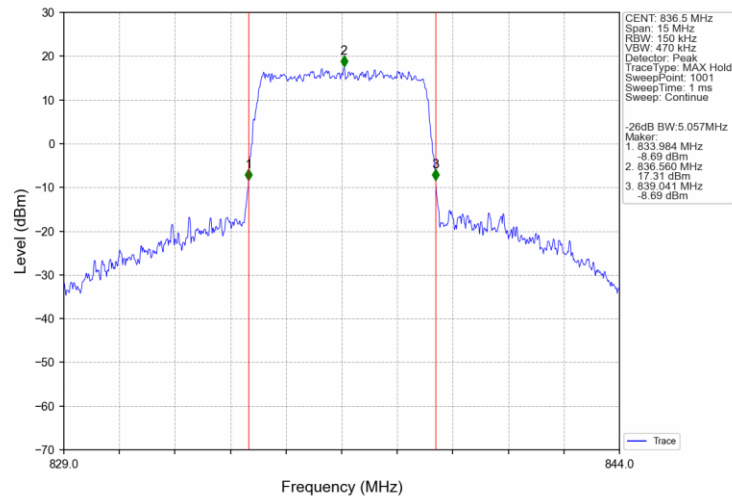
### Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



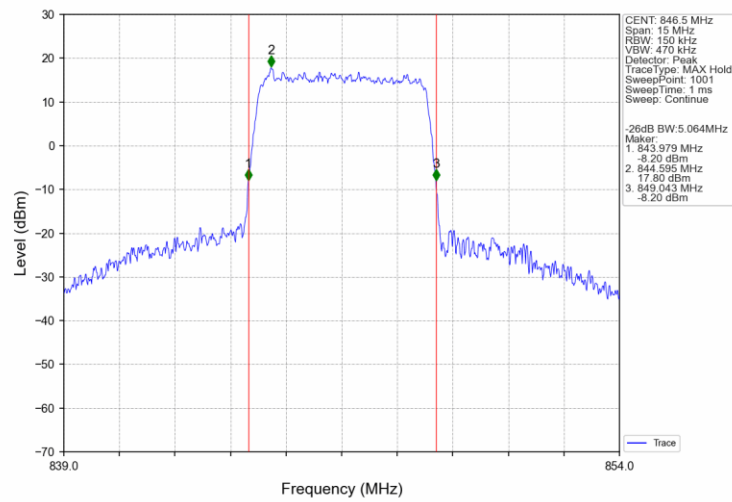
### Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



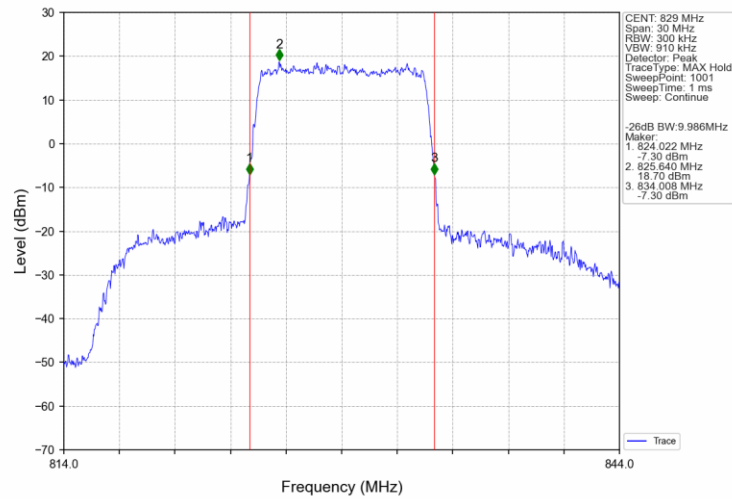
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



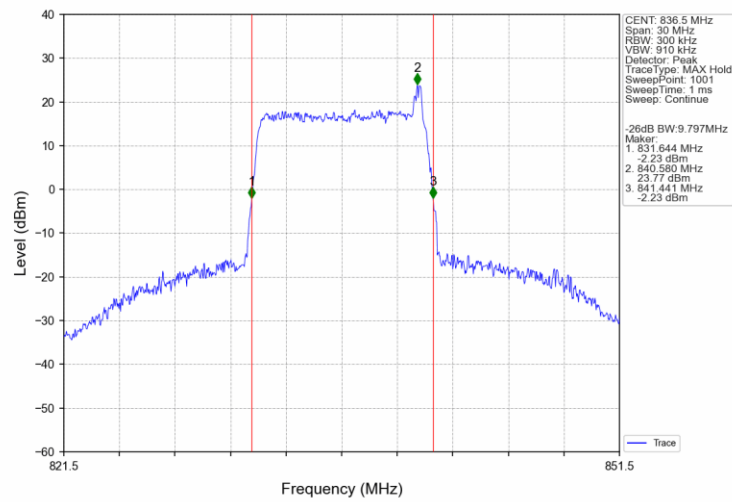
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



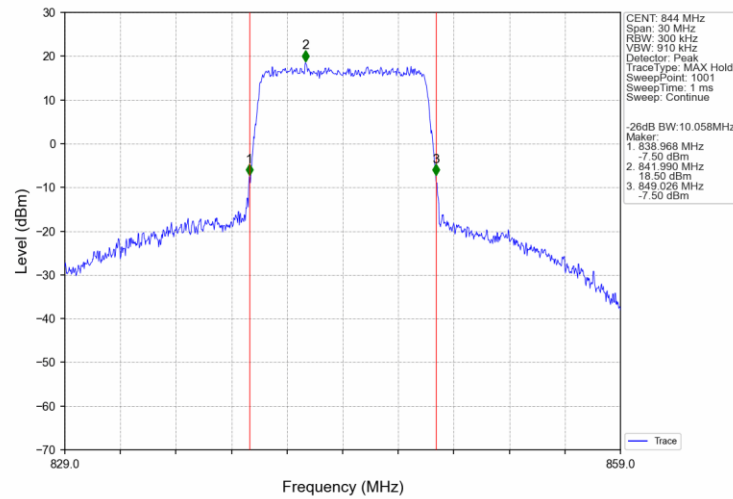
### Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN



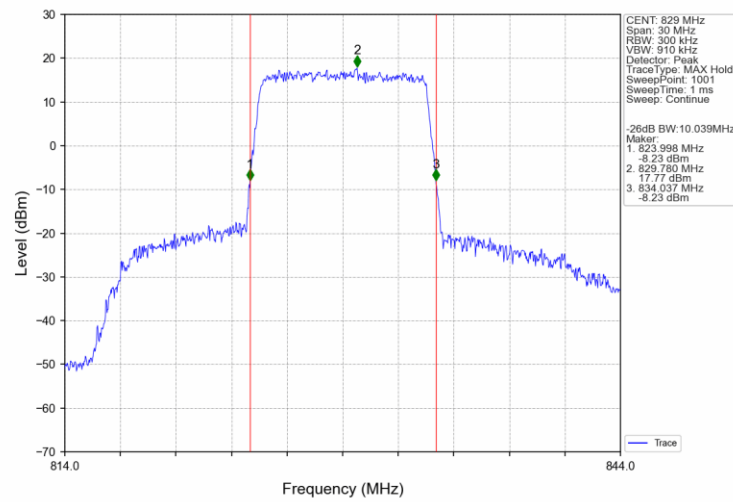
### Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTN



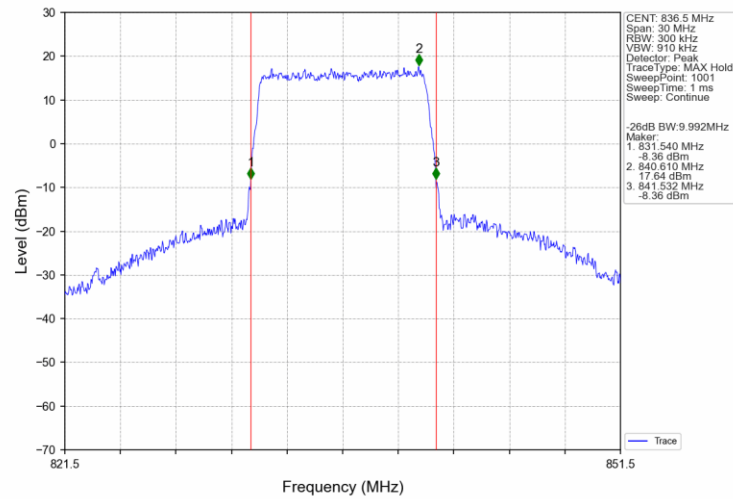
Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



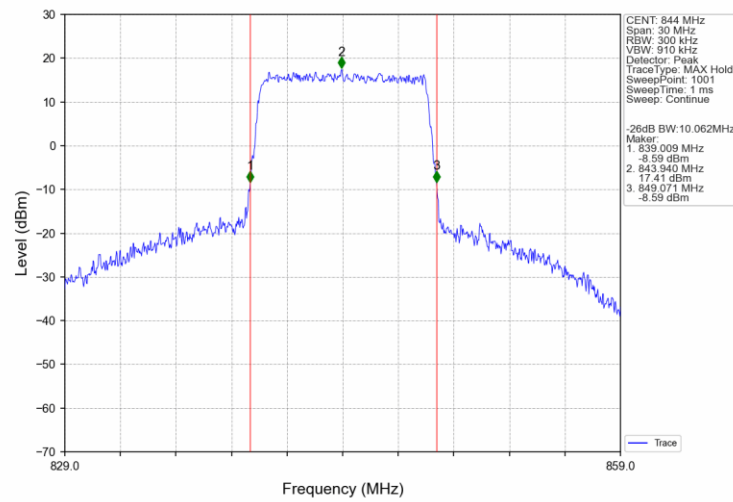
Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV



Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV





## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 B5\_1.4MHz

| Band: 5 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 824.7           | 6             | 0      | 5.21                    | <=13  | Pass    |
|                                    | 836.5           | 6             | 0      | 5.34                    | <=13  | Pass    |
|                                    | 848.3           | 6             | 0      | 5.91                    | <=13  | Pass    |
| 16QAM                              | 824.7           | 6             | 0      | 5.95                    | <=13  | Pass    |
|                                    | 836.5           | 6             | 0      | 6.21                    | <=13  | Pass    |
|                                    | 848.3           | 6             | 0      | 6.59                    | <=13  | Pass    |

#### 5.1.2 B5\_3MHz

| Band: 5 / Bandwidth: 3MHz / NTNV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 825.5           | 15            | 0      | 5.42                    | <=13  | Pass    |
|                                  | 836.5           | 15            | 0      | 5.44                    | <=13  | Pass    |
|                                  | 847.5           | 15            | 0      | 5.78                    | <=13  | Pass    |
| 16QAM                            | 825.5           | 15            | 0      | 6.19                    | <=13  | Pass    |
|                                  | 836.5           | 15            | 0      | 6.22                    | <=13  | Pass    |
|                                  | 847.5           | 15            | 0      | 6.64                    | <=13  | Pass    |

#### 5.1.3 B5\_5MHz

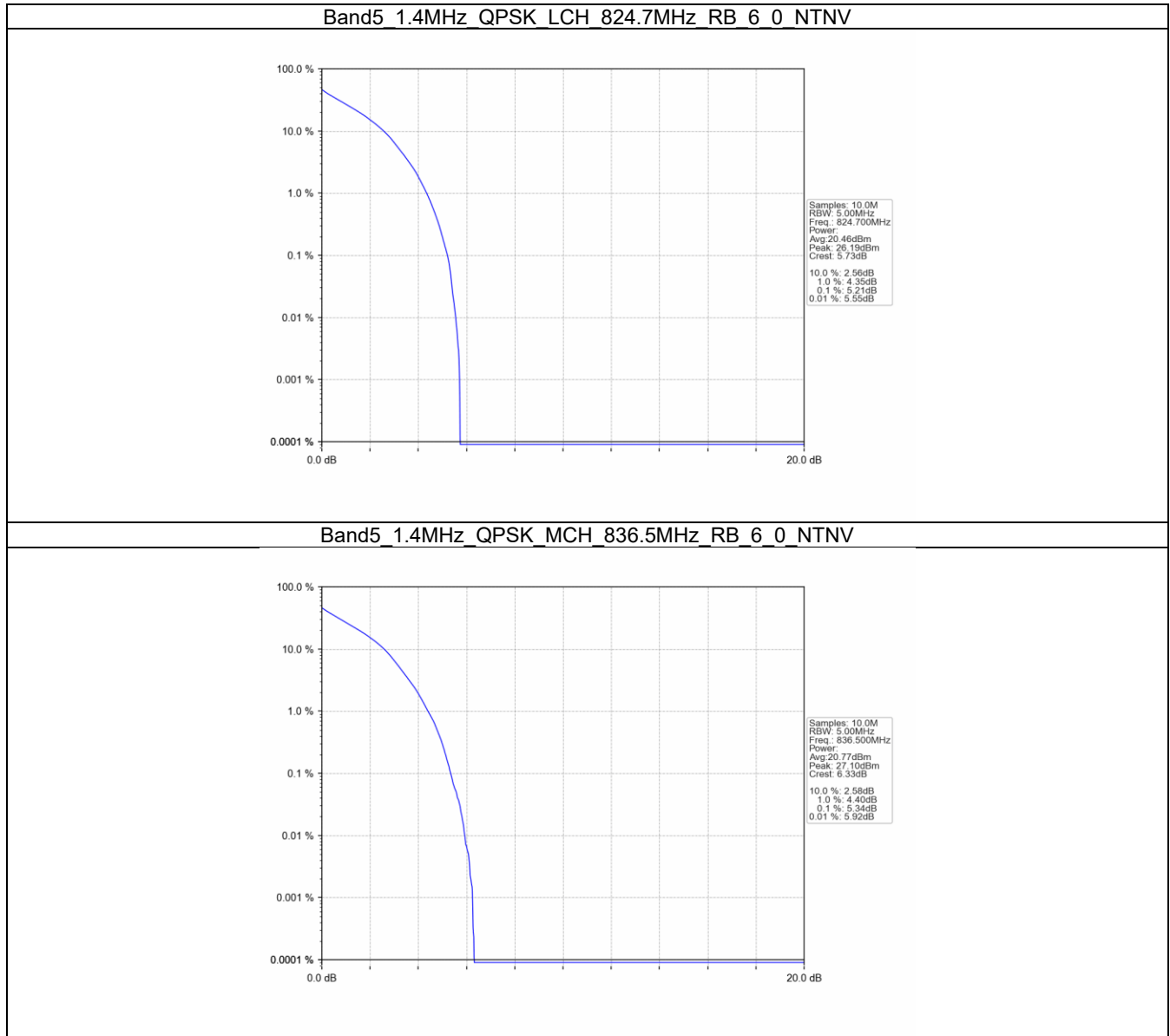
| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 826.5           | 25            | 0      | 5.61                    | <=13  | Pass    |
|                                  | 836.5           | 25            | 0      | 5.53                    | <=13  | Pass    |
|                                  | 846.5           | 25            | 0      | 5.80                    | <=13  | Pass    |
| 16QAM                            | 826.5           | 25            | 0      | 6.27                    | <=13  | Pass    |
|                                  | 836.5           | 25            | 0      | 6.29                    | <=13  | Pass    |
|                                  | 846.5           | 25            | 0      | 6.54                    | <=13  | Pass    |

#### 5.1.4 B5\_10MHz

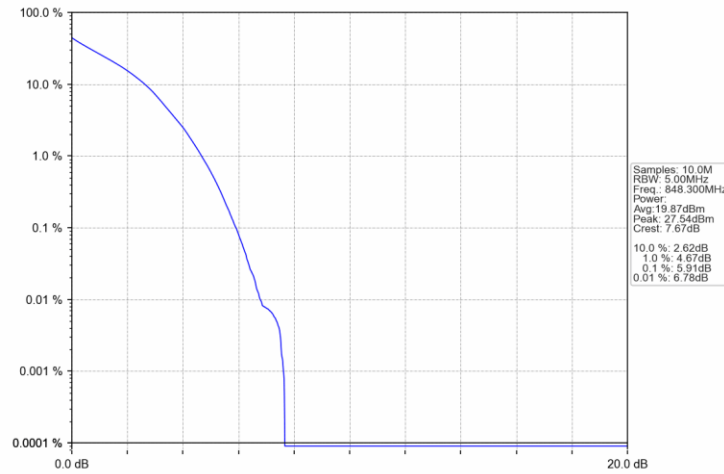
| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 829             | 50            | 0      | 5.71                    | <=13  | Pass    |
|                                   | 836.5           | 50            | 0      | 5.63                    | <=13  | Pass    |
|                                   | 844             | 50            | 0      | 5.69                    | <=13  | Pass    |
| 16QAM                             | 829             | 50            | 0      | 6.40                    | <=13  | Pass    |
|                                   | 836.5           | 50            | 0      | 6.33                    | <=13  | Pass    |
|                                   | 844             | 50            | 0      | 6.44                    | <=13  | Pass    |

## 5.2 Test Graph

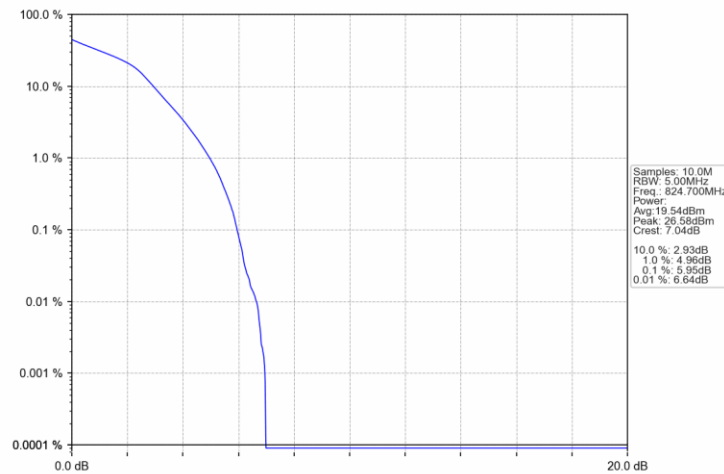
### 5.2.1 B5\_1.4MHz



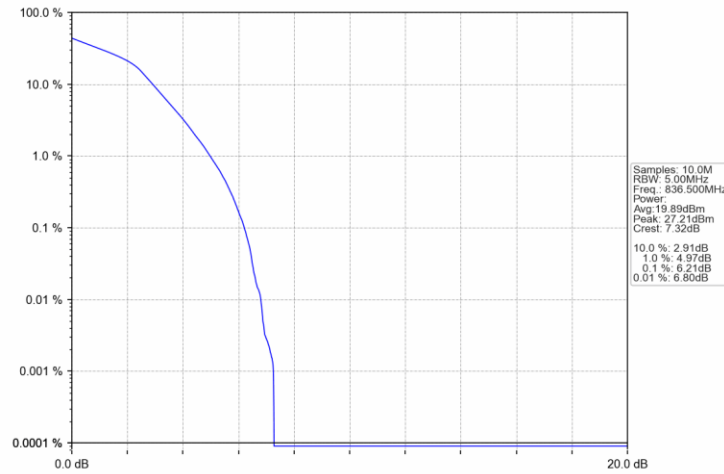
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



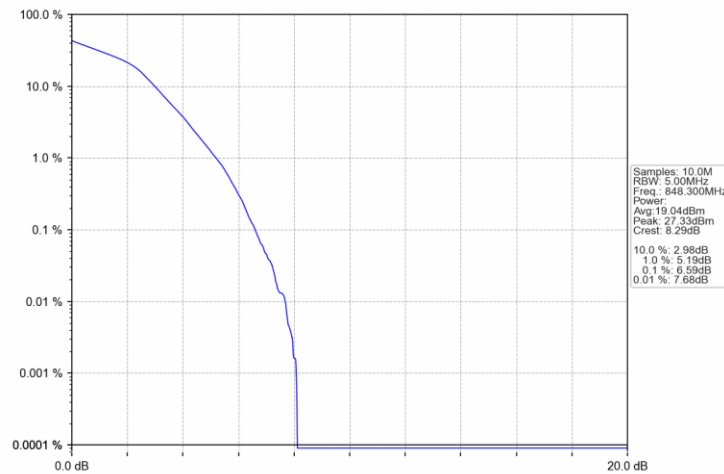
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV

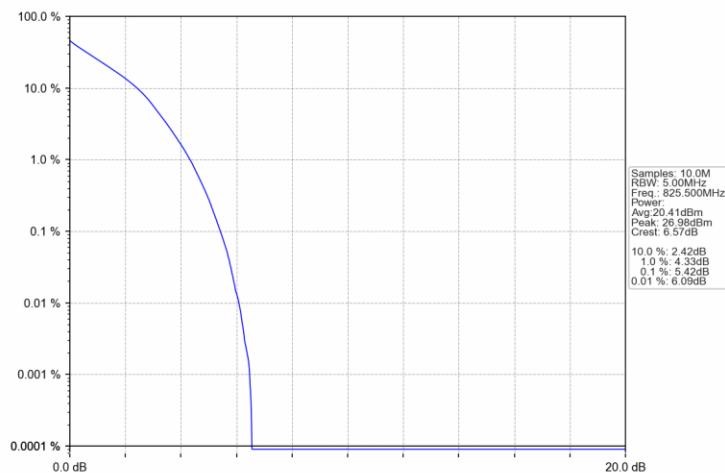


Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV

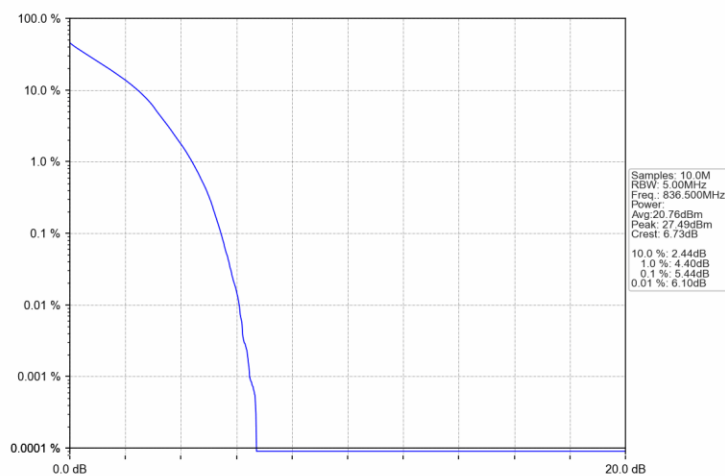


## 5.2.2 B5\_3MHz

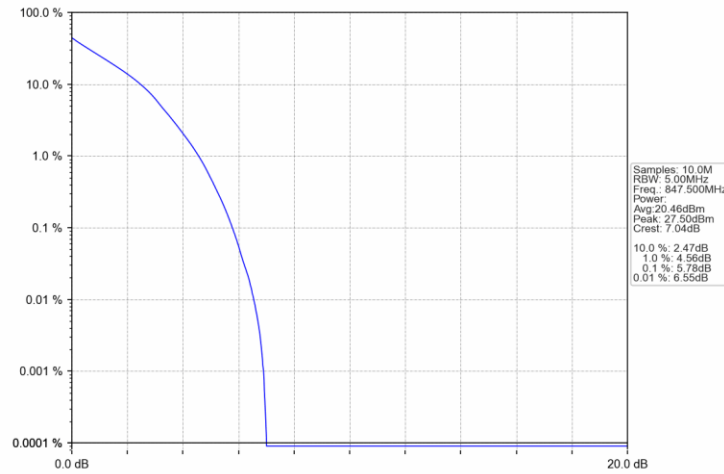
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTN



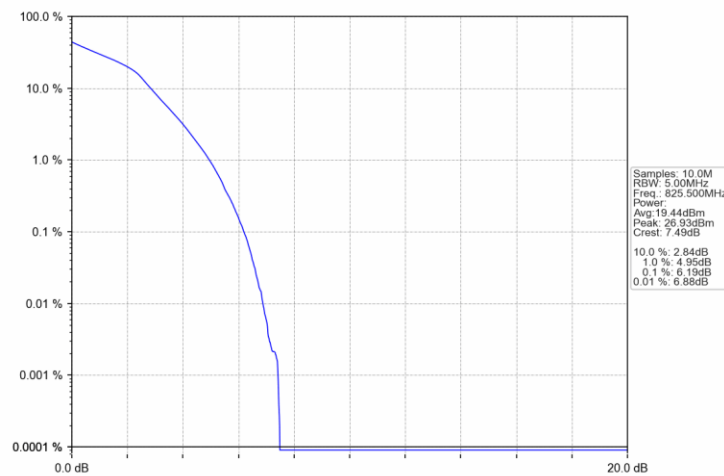
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTN



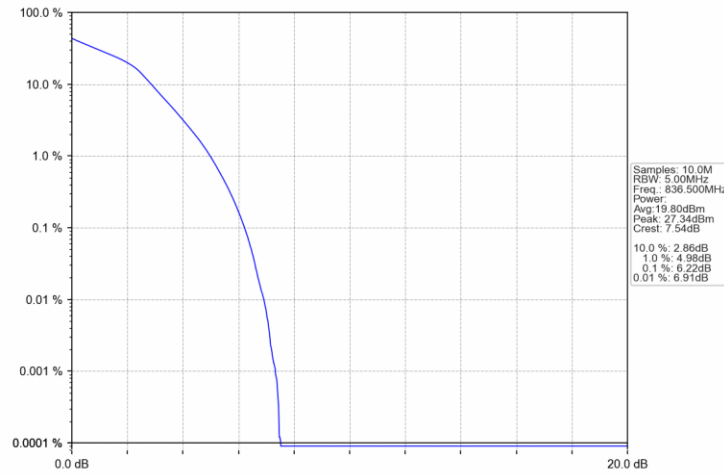
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



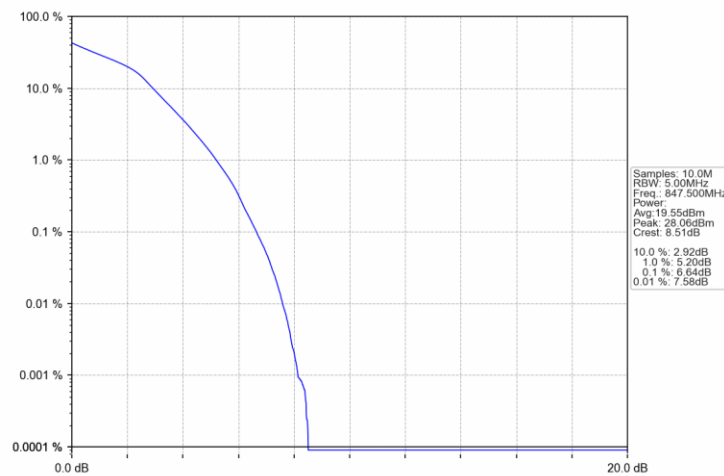
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTV

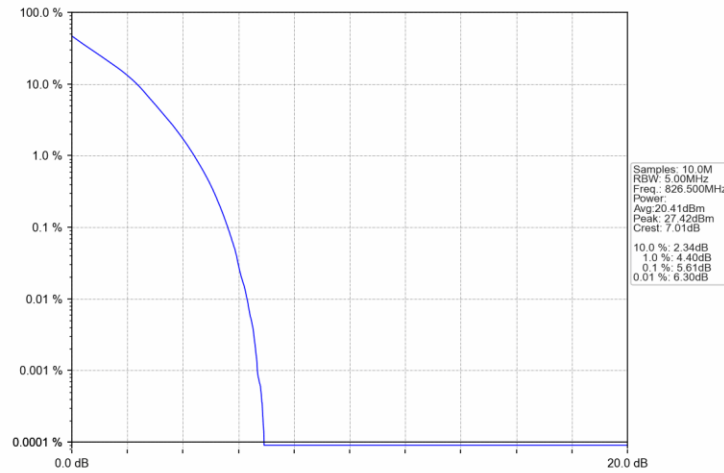


Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV

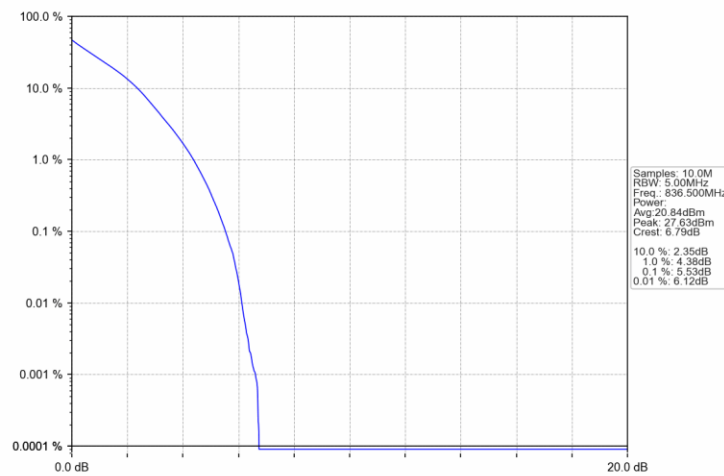


### 5.2.3 B5\_5MHz

Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN

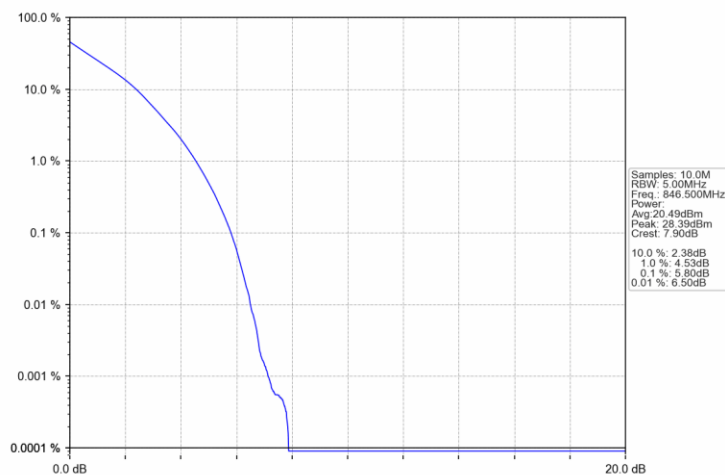


Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN

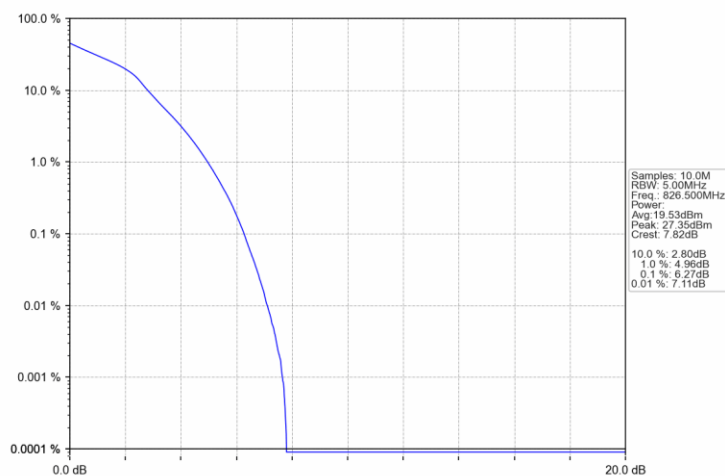




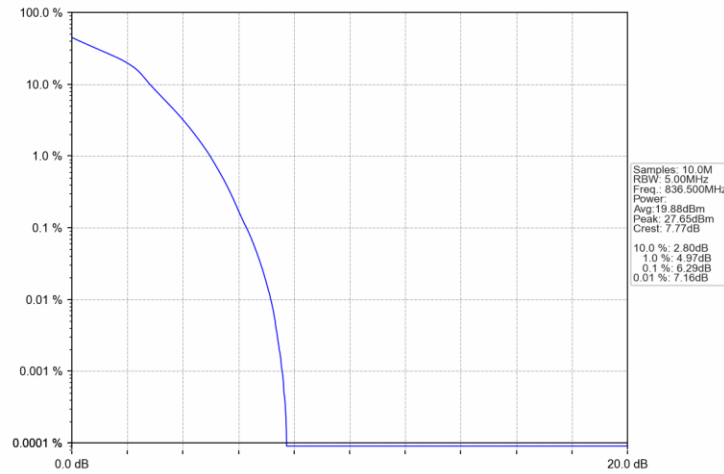
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV



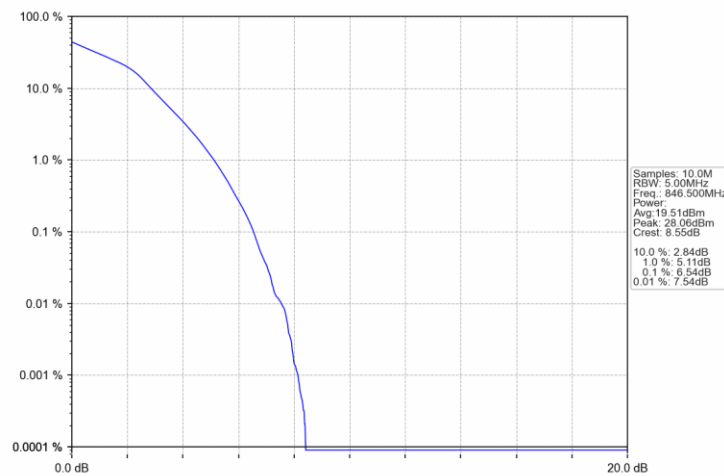
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTV

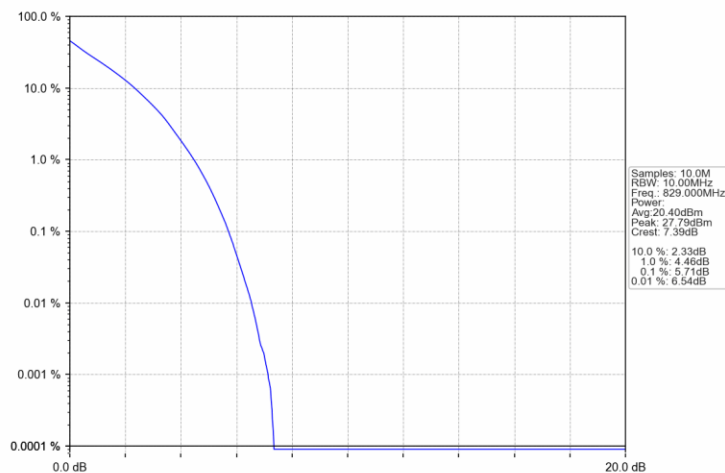


Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTV

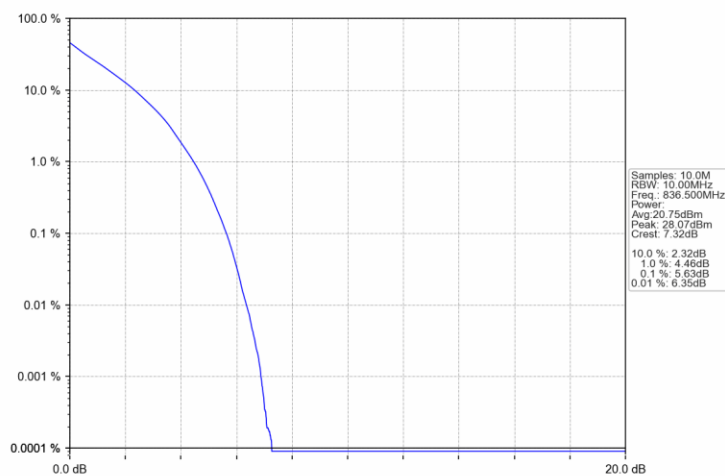


## 5.2.4 B5\_10MHz

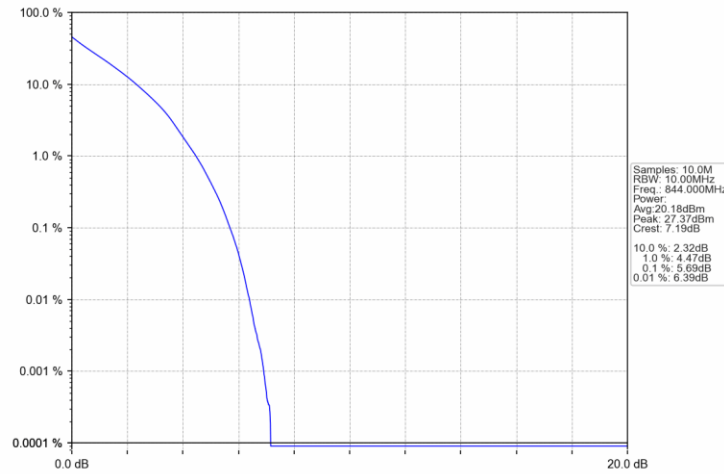
Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV



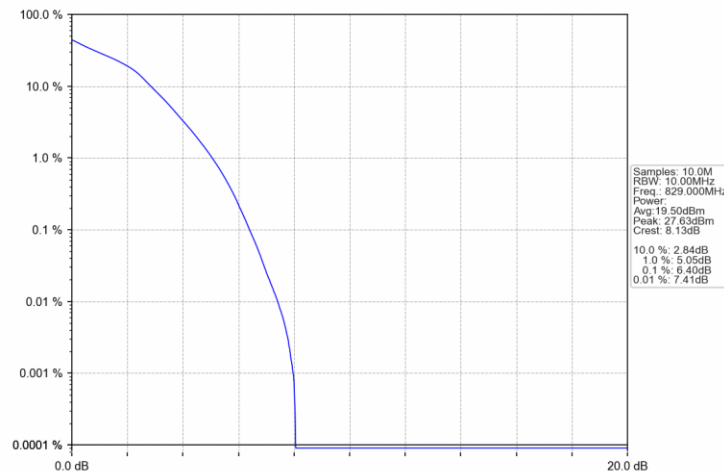
Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



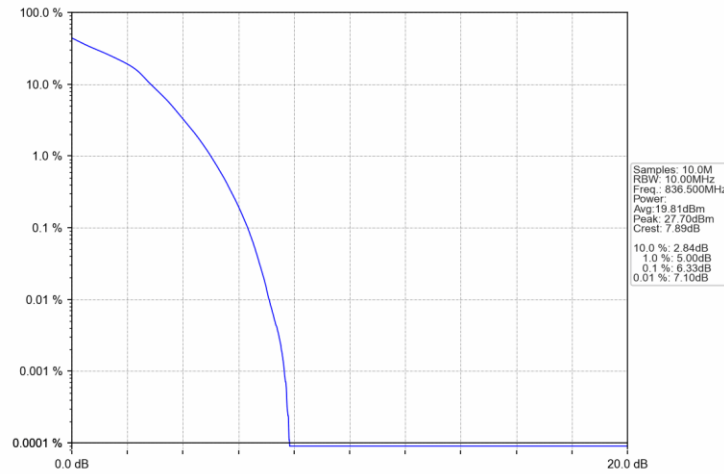
Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



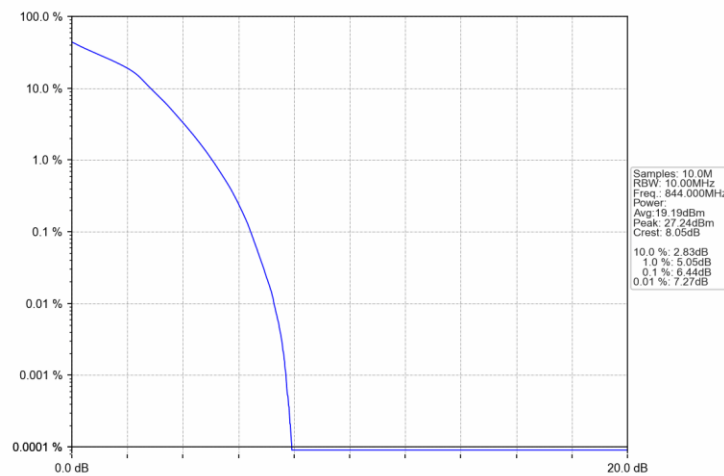
Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV



Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTV



Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTV



## 6. Spurious Emission

### 6.1 Test Result

#### 6.1.1 B5\_1.4MHz

| Band: 5 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                     |       |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                    |                 | Size          | Offset | Result              | Limit |
| QPSK                               | 824.7           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |
|                                    | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                    | 848.3           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |
| 16QAM                              | 824.7           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |
|                                    | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                    | 848.3           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |

#### 6.1.2 B5\_3MHz

| Band: 5 / Bandwidth: 3MHz / NTNV |                 |               |        |                     |       |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                  |                 | Size          | Offset | Result              | Limit |
| QPSK                             | 825.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |
|                                  | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                  | 847.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |
| 16QAM                            | 825.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |
|                                  | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                  | 847.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |

#### 6.1.3 B5\_5MHz

| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                  |                 | Size          | Offset | Result              | Limit |
| QPSK                             | 826.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |
|                                  | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                  | 846.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |
| 16QAM                            | 826.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |

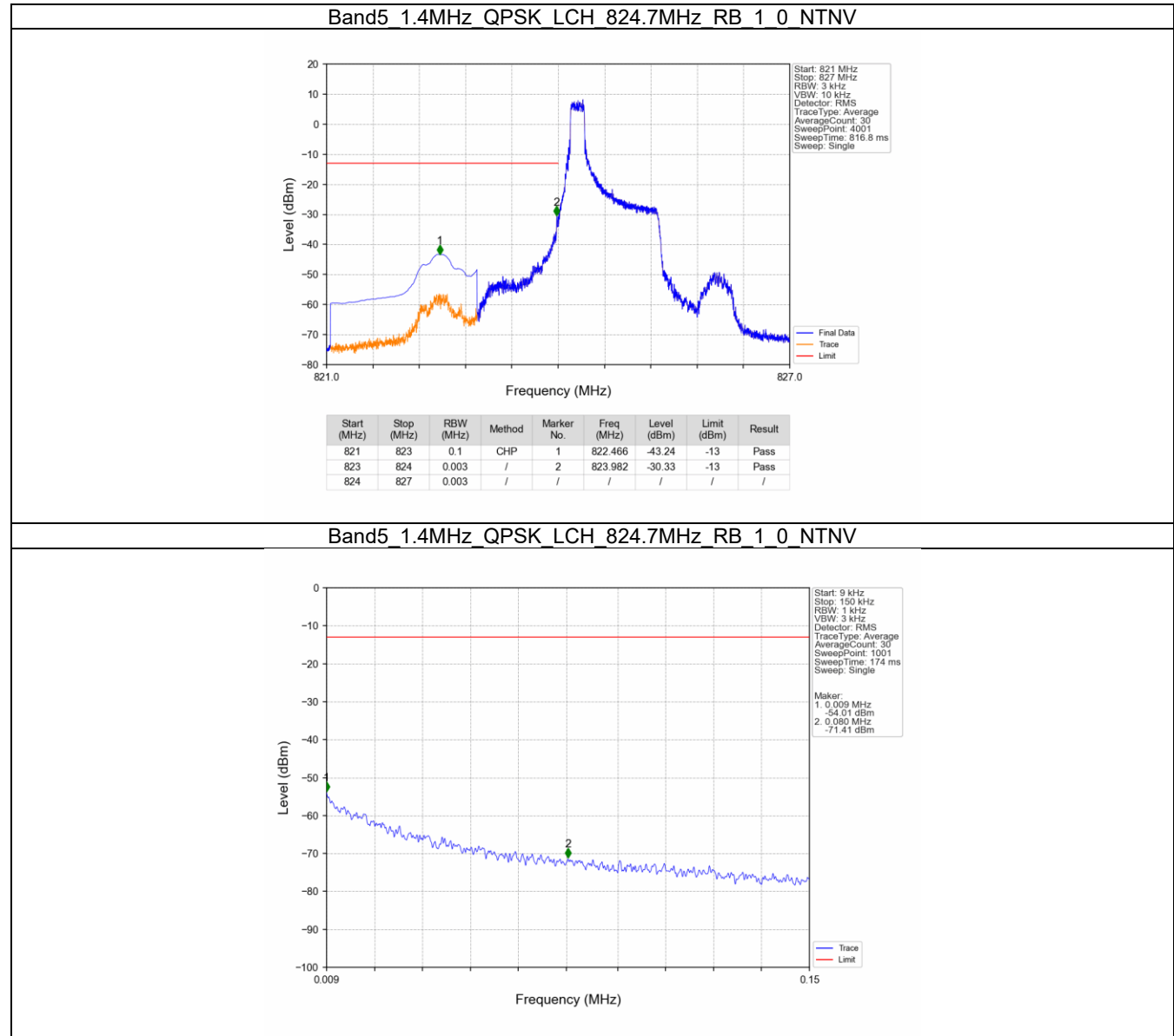
|  |       |    |    |                     |      |
|--|-------|----|----|---------------------|------|
|  | 836.5 | 1  | 0  | Refer To Test Graph | Pass |
|  | 846.5 | 1  | 0  | Refer To Test Graph | Pass |
|  |       |    | 24 | Refer To Test Graph | Pass |
|  |       | 25 | 0  | Refer To Test Graph | Pass |

#### 6.1.4 B5\_10MHz

| Band: 5 / Bandwidth: 10MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit |         |
| QPSK                             | 829             | 1             | 0      | Refer To Test Graph | Pass  |         |
|                                  |                 | 50            | 0      | Refer To Test Graph | Pass  |         |
|                                  | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |         |
|                                  | 844             | 1             | 0      | Refer To Test Graph | Pass  |         |
|                                  |                 |               | 49     | Refer To Test Graph | Pass  |         |
|                                  |                 | 50            | 0      | Refer To Test Graph | Pass  |         |
| 16QAM                            | 829             | 1             | 0      | Refer To Test Graph | Pass  |         |
|                                  |                 | 50            | 0      | Refer To Test Graph | Pass  |         |
|                                  | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |         |
|                                  | 844             | 1             | 0      | Refer To Test Graph | Pass  |         |
|                                  |                 |               | 49     | Refer To Test Graph | Pass  |         |
|                                  |                 | 50            | 0      | Refer To Test Graph | Pass  |         |

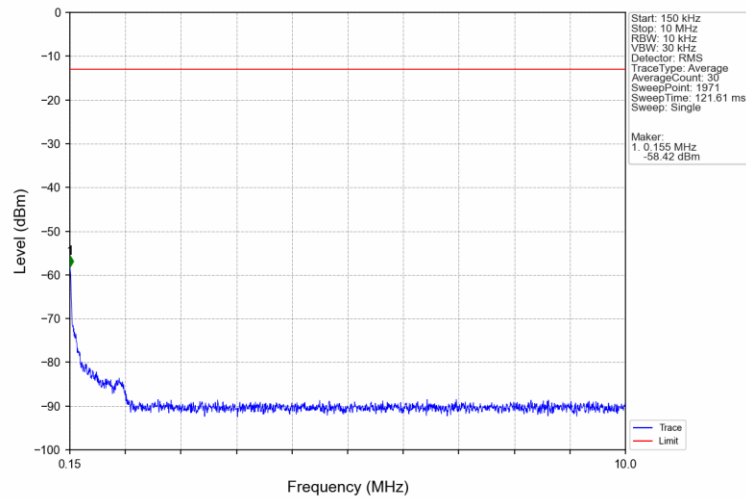
## 6.2 Test Graph

### 6.2.1 B5\_1.4MHz





### Band5 1.4MHz QPSK LCH 824.7MHz RB 1 0 NTNV



### Band5 1.4MHz QPSK LCH 824.7MHz RB 1 0 NTNV

