

## 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      | 23.33                 | 1.69       | 22.87     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.32                 | 1.69       | 22.86     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 23.30                 | 1.69       | 22.84     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 23.96                 | 1.69       | 23.50     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.96                 | 1.69       | 23.50     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 23.96                 | 1.69       | 23.50     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 22.93                 | 1.69       | 22.47     | <=38.45 | Pass    |
|                                    | 836.5           | 1             | 0      | 23.52                 | 1.69       | 23.06     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.56                 | 1.69       | 23.10     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 23.54                 | 1.69       | 23.08     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 24.09                 | 1.69       | 23.63     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 24.06                 | 1.69       | 23.60     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 24.07                 | 1.69       | 23.61     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 23.07                 | 1.69       | 22.61     | <=38.45 | Pass    |
|                                    | 848.3           | 1             | 0      | 23.34                 | 1.69       | 22.88     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.35                 | 1.69       | 22.89     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 23.35                 | 1.69       | 22.89     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 23.91                 | 1.69       | 23.45     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.95                 | 1.69       | 23.49     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 23.93                 | 1.69       | 23.47     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 22.97                 | 1.69       | 22.51     | <=38.45 | Pass    |
| 16QAM                              | 824.7           | 1             | 0      | 22.46                 | 1.69       | 22.00     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 22.45                 | 1.69       | 21.99     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 22.44                 | 1.69       | 21.98     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 23.10                 | 1.69       | 22.64     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.12                 | 1.69       | 22.66     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 23.13                 | 1.69       | 22.67     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 21.94                 | 1.69       | 21.48     | <=38.45 | Pass    |
|                                    | 836.5           | 1             | 0      | 22.56                 | 1.69       | 22.10     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 22.58                 | 1.69       | 22.12     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 22.62                 | 1.69       | 22.16     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 23.11                 | 1.69       | 22.65     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 23.07                 | 1.69       | 22.61     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 23.07                 | 1.69       | 22.61     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 21.96                 | 1.69       | 21.50     | <=38.45 | Pass    |
|                                    | 848.3           | 1             | 0      | 22.58                 | 1.69       | 22.12     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 22.57                 | 1.69       | 22.11     | <=38.45 | Pass    |
|                                    |                 |               | 5      | 22.62                 | 1.69       | 22.16     | <=38.45 | Pass    |
|                                    |                 | 3             | 0      | 22.88                 | 1.69       | 22.42     | <=38.45 | Pass    |
|                                    |                 |               | 2      | 22.92                 | 1.69       | 22.46     | <=38.45 | Pass    |
|                                    |                 |               | 3      | 22.91                 | 1.69       | 22.45     | <=38.45 | Pass    |
|                                    |                 | 6             | 0      | 22.01                 | 1.69       | 21.55     | <=38.45 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

### 1.1.2 B5\_3MHz\_ERP

| Band: 5 / Bandwidth: 3MHz / NTN |                 |               |        |                       |            |           |         |         |
|---------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                      | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                 |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                            | 825.5           | 1             | 0      | 23.40                 | 1.69       | 22.94     | <=38.45 | Pass    |
|                                 |                 |               | 7      | 23.39                 | 1.69       | 22.93     | <=38.45 | Pass    |
|                                 |                 |               | 14     | 23.44                 | 1.69       | 22.98     | <=38.45 | Pass    |
|                                 |                 | 8             | 0      | 22.92                 | 1.69       | 22.46     | <=38.45 | Pass    |
|                                 |                 |               | 4      | 22.90                 | 1.69       | 22.44     | <=38.45 | Pass    |
|                                 |                 |               | 7      | 22.93                 | 1.69       | 22.47     | <=38.45 | Pass    |
|                                 |                 | 15            | 0      | 22.94                 | 1.69       | 22.48     | <=38.45 | Pass    |
|                                 | 836.5           | 1             | 0      | 23.52                 | 1.69       | 23.06     | <=38.45 | Pass    |
|                                 |                 |               | 7      | 23.52                 | 1.69       | 23.06     | <=38.45 | Pass    |
|                                 |                 |               | 14     | 23.47                 | 1.69       | 23.01     | <=38.45 | Pass    |
|                                 |                 | 8             | 0      | 23.02                 | 1.69       | 22.56     | <=38.45 | Pass    |
|                                 |                 |               | 4      | 23.04                 | 1.69       | 22.58     | <=38.45 | Pass    |
|                                 |                 |               | 7      | 23.06                 | 1.69       | 22.60     | <=38.45 | Pass    |
|                                 |                 | 15            | 0      | 23.07                 | 1.69       | 22.61     | <=38.45 | Pass    |
|                                 | 847.5           | 1             | 0      | 23.45                 | 1.69       | 22.99     | <=38.45 | Pass    |
|                                 |                 |               | 7      | 23.45                 | 1.69       | 22.99     | <=38.45 | Pass    |
|                                 |                 |               | 14     | 23.44                 | 1.69       | 22.98     | <=38.45 | Pass    |
|                                 |                 | 8             | 0      | 22.87                 | 1.69       | 22.41     | <=38.45 | Pass    |
|                                 |                 |               | 4      | 22.90                 | 1.69       | 22.44     | <=38.45 | Pass    |
|                                 |                 |               | 7      | 22.86                 | 1.69       | 22.40     | <=38.45 | Pass    |
|                                 |                 | 15            | 0      | 22.97                 | 1.69       | 22.51     | <=38.45 | Pass    |
| 16QAM                           | 825.5           | 1             | 0      | 22.50                 | 1.69       | 22.04     | <=38.45 | Pass    |
|                                 |                 |               | 7      | 22.48                 | 1.69       | 22.02     | <=38.45 | Pass    |
|                                 |                 |               | 14     | 22.51                 | 1.69       | 22.05     | <=38.45 | Pass    |
|                                 |                 | 8             | 0      | 22.01                 | 1.69       | 21.55     | <=38.45 | Pass    |
|                                 |                 |               | 4      | 21.98                 | 1.69       | 21.52     | <=38.45 | Pass    |
|                                 |                 |               | 7      | 22.00                 | 1.69       | 21.54     | <=38.45 | Pass    |
|                                 |                 | 15            | 0      | 22.00                 | 1.69       | 21.54     | <=38.45 | Pass    |
|                                 | 836.5           | 1             | 0      | 22.73                 | 1.69       | 22.27     | <=38.45 | Pass    |
|                                 |                 |               | 7      | 22.77                 | 1.69       | 22.31     | <=38.45 | Pass    |
|                                 |                 |               | 14     | 22.69                 | 1.69       | 22.23     | <=38.45 | Pass    |
|                                 |                 | 8             | 0      | 22.00                 | 1.69       | 21.54     | <=38.45 | Pass    |
|                                 |                 |               | 4      | 22.04                 | 1.69       | 21.58     | <=38.45 | Pass    |
|                                 |                 |               | 7      | 22.02                 | 1.69       | 21.56     | <=38.45 | Pass    |
|                                 |                 | 15            | 0      | 22.02                 | 1.69       | 21.56     | <=38.45 | Pass    |
|                                 | 847.5           | 1             | 0      | 22.94                 | 1.69       | 22.48     | <=38.45 | Pass    |
|                                 |                 |               | 7      | 22.95                 | 1.69       | 22.49     | <=38.45 | Pass    |
|                                 |                 |               | 14     | 22.89                 | 1.69       | 22.43     | <=38.45 | Pass    |
|                                 |                 | 8             | 0      | 22.08                 | 1.69       | 21.62     | <=38.45 | Pass    |
|                                 |                 |               | 4      | 22.10                 | 1.69       | 21.64     | <=38.45 | Pass    |
|                                 |                 |               | 7      | 22.09                 | 1.69       | 21.63     | <=38.45 | Pass    |
|                                 |                 | 15            | 0      | 22.02                 | 1.69       | 21.56     | <=38.45 | 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      | 23.47                 | 1.69       | 23.01     | <=38.45 | Pass    |         |      |
|                                              |                 |               | 13     | 23.45                 | 1.69       | 22.99     | <=38.45 | Pass    |         |      |
|                                              |                 |               | 24     | 23.53                 | 1.69       | 23.07     | <=38.45 | Pass    |         |      |
|                                              |                 | 12            | 0      | 22.91                 | 1.69       | 22.45     | <=38.45 | Pass    |         |      |
|                                              |                 |               | 6      | 22.94                 | 1.69       | 22.48     | <=38.45 | Pass    |         |      |
|                                              |                 |               | 13     | 22.88                 | 1.69       | 22.42     | <=38.45 | Pass    |         |      |
|                                              |                 | 25            | 0      | 22.94                 | 1.69       | 22.48     | <=38.45 | Pass    |         |      |
|                                              |                 | 836.5         | 1      | 0                     | 23.49      | 1.69      | 23.03   | <=38.45 | Pass    |      |
|                                              |                 |               |        | 13                    | 23.48      | 1.69      | 23.02   | <=38.45 | Pass    |      |
|                                              | 24              |               |        | 23.51                 | 1.69       | 23.05     | <=38.45 | Pass    |         |      |
|                                              | 12              |               | 0      | 23.03                 | 1.69       | 22.57     | <=38.45 | Pass    |         |      |
|                                              |                 |               | 6      | 23.02                 | 1.69       | 22.56     | <=38.45 | Pass    |         |      |
|                                              |                 |               | 13     | 23.02                 | 1.69       | 22.56     | <=38.45 | Pass    |         |      |
|                                              | 25              |               | 0      | 23.03                 | 1.69       | 22.57     | <=38.45 | Pass    |         |      |
|                                              | 846.5           |               | 1      | 0                     | 23.58      | 1.69      | 23.12   | <=38.45 | Pass    |      |
|                                              |                 |               |        | 13                    | 23.49      | 1.69      | 23.03   | <=38.45 | Pass    |      |
|                                              |                 | 24            |        | 23.60                 | 1.69       | 23.14     | <=38.45 | Pass    |         |      |
|                                              |                 | 12            | 0      | 22.95                 | 1.69       | 22.49     | <=38.45 | Pass    |         |      |
|                                              |                 |               | 6      | 22.93                 | 1.69       | 22.47     | <=38.45 | Pass    |         |      |
|                                              |                 |               | 13     | 22.93                 | 1.69       | 22.47     | <=38.45 | Pass    |         |      |
|                                              |                 | 25            | 0      | 22.98                 | 1.69       | 22.52     | <=38.45 | Pass    |         |      |
|                                              |                 | 16QAM         | 826.5  | 1                     | 0          | 22.53     | 1.69    | 22.07   | <=38.45 | Pass |
|                                              |                 |               |        |                       | 13         | 22.51     | 1.69    | 22.05   | <=38.45 | Pass |
|                                              | 24              |               |        |                       | 22.57      | 1.69      | 22.11   | <=38.45 | Pass    |      |
| 12                                           | 0               |               |        | 21.92                 | 1.69       | 21.46     | <=38.45 | Pass    |         |      |
|                                              | 6               |               |        | 21.91                 | 1.69       | 21.45     | <=38.45 | Pass    |         |      |
|                                              | 13              |               |        | 21.87                 | 1.69       | 21.41     | <=38.45 | Pass    |         |      |
| 25                                           | 0               |               |        | 21.96                 | 1.69       | 21.50     | <=38.45 | Pass    |         |      |
| 836.5                                        | 1               |               |        | 0                     | 22.80      | 1.69      | 22.34   | <=38.45 | Pass    |      |
|                                              |                 |               |        | 13                    | 22.77      | 1.69      | 22.31   | <=38.45 | Pass    |      |
|                                              |                 |               | 24     | 22.77                 | 1.69       | 22.31     | <=38.45 | Pass    |         |      |
|                                              | 12              |               | 0      | 22.10                 | 1.69       | 21.64     | <=38.45 | Pass    |         |      |
|                                              |                 |               | 6      | 22.06                 | 1.69       | 21.60     | <=38.45 | Pass    |         |      |
|                                              |                 |               | 13     | 22.05                 | 1.69       | 21.59     | <=38.45 | Pass    |         |      |
|                                              | 25              |               | 0      | 22.04                 | 1.69       | 21.58     | <=38.45 | Pass    |         |      |
|                                              | 846.5           |               | 1      | 0                     | 22.30      | 1.69      | 21.84   | <=38.45 | Pass    |      |
|                                              |                 |               |        | 13                    | 22.25      | 1.69      | 21.79   | <=38.45 | Pass    |      |
| 24                                           |                 |               |        | 22.32                 | 1.69       | 21.86     | <=38.45 | Pass    |         |      |
| 12                                           |                 |               | 0      | 22.03                 | 1.69       | 21.57     | <=38.45 | Pass    |         |      |
|                                              |                 |               | 6      | 21.92                 | 1.69       | 21.46     | <=38.45 | Pass    |         |      |
|                                              |                 |               | 13     | 21.92                 | 1.69       | 21.46     | <=38.45 | Pass    |         |      |
| 25                                           |                 |               | 0      | 22.03                 | 1.69       | 21.57     | <=38.45 | 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      | 23.39                 | 1.69       | 22.93     | <=38.45 | Pass    |
|                                  |                 |               | 25     | 23.52                 | 1.69       | 23.06     | <=38.45 | Pass    |
|                                  |                 |               | 49     | 23.52                 | 1.69       | 23.06     | <=38.45 | Pass    |
|                                  |                 | 25            | 0      | 22.98                 | 1.69       | 22.52     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 23.01                 | 1.69       | 22.55     | <=38.45 | Pass    |
|                                  |                 |               | 25     | 22.98                 | 1.69       | 22.52     | <=38.45 | Pass    |
|                                  |                 | 50            | 0      | 23.02                 | 1.69       | 22.56     | <=38.45 | Pass    |
|                                  |                 |               | 0      | 23.49                 | 1.69       | 23.03     | <=38.45 | Pass    |
|                                  |                 |               | 25     | 23.53                 | 1.69       | 23.07     | <=38.45 | Pass    |
|                                  | 836.5           | 1             | 49     | 23.45                 | 1.69       | 22.99     | <=38.45 | Pass    |
|                                  |                 |               | 0      | 23.07                 | 1.69       | 22.61     | <=38.45 | Pass    |
|                                  |                 |               | 13     | 23.05                 | 1.69       | 22.59     | <=38.45 | Pass    |
|                                  |                 | 25            | 25     | 23.07                 | 1.69       | 22.61     | <=38.45 | Pass    |
|                                  |                 |               | 0      | 23.11                 | 1.69       | 22.65     | <=38.45 | Pass    |
|                                  |                 |               | 0      | 23.52                 | 1.69       | 23.06     | <=38.45 | Pass    |
|                                  |                 | 25            | 25     | 23.47                 | 1.69       | 23.01     | <=38.45 | Pass    |
|                                  |                 |               | 49     | 23.41                 | 1.69       | 22.95     | <=38.45 | Pass    |
|                                  |                 |               | 0      | 23.07                 | 1.69       | 22.61     | <=38.45 | Pass    |
|                                  | 844             | 25            | 13     | 22.94                 | 1.69       | 22.48     | <=38.45 | Pass    |
|                                  |                 |               | 25     | 22.91                 | 1.69       | 22.45     | <=38.45 | Pass    |
|                                  |                 |               | 0      | 23.04                 | 1.69       | 22.58     | <=38.45 | Pass    |
| 16QAM                            | 829             | 1             | 0      | 22.41                 | 1.69       | 21.95     | <=38.45 | Pass    |
|                                  |                 |               | 25     | 22.53                 | 1.69       | 22.07     | <=38.45 | Pass    |
|                                  |                 |               | 49     | 22.53                 | 1.69       | 22.07     | <=38.45 | Pass    |
|                                  |                 | 12            | 0      | 22.98                 | 1.69       | 22.52     | <=38.45 | Pass    |
|                                  |                 |               | 19     | 23.05                 | 1.69       | 22.59     | <=38.45 | Pass    |
|                                  |                 |               | 38     | 23.05                 | 1.69       | 22.59     | <=38.45 | Pass    |
|                                  |                 | 27            | 0      | 22.01                 | 1.69       | 21.55     | <=38.45 | Pass    |
|                                  |                 |               | 0      | 22.69                 | 1.69       | 22.23     | <=38.45 | Pass    |
|                                  |                 |               | 25     | 22.72                 | 1.69       | 22.26     | <=38.45 | Pass    |
|                                  | 836.5           | 1             | 49     | 22.62                 | 1.69       | 22.16     | <=38.45 | Pass    |
|                                  |                 |               | 0      | 23.09                 | 1.69       | 22.63     | <=38.45 | Pass    |
|                                  |                 |               | 19     | 23.05                 | 1.69       | 22.59     | <=38.45 | Pass    |
|                                  |                 | 12            | 38     | 23.09                 | 1.69       | 22.63     | <=38.45 | Pass    |
|                                  |                 |               | 0      | 22.11                 | 1.69       | 21.65     | <=38.45 | Pass    |
|                                  |                 |               | 0      | 23.02                 | 1.69       | 22.56     | <=38.45 | Pass    |
|                                  |                 | 27            | 25     | 22.95                 | 1.69       | 22.49     | <=38.45 | Pass    |
|                                  |                 |               | 49     | 22.87                 | 1.69       | 22.41     | <=38.45 | Pass    |
|                                  |                 |               | 0      | 23.07                 | 1.69       | 22.61     | <=38.45 | Pass    |
|                                  | 844             | 12            | 19     | 23.02                 | 1.69       | 22.56     | <=38.45 | Pass    |
|                                  |                 |               | 38     | 22.99                 | 1.69       | 22.53     | <=38.45 | Pass    |
|                                  |                 |               | 23     | 21.82                 | 1.69       | 21.36     | <=38.45 | 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         | 3.70          | -3.247           | -0.0039               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.15          | -3.934           | -0.0048               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.26          | 0.815            | 0.0010                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.70          | 0.215            | 0.0003                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.70          | -0.572           | -0.0007               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.70          | 3.705            | 0.0045                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.70          | 2.503            | 0.0030                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.70          | -3.948           | -0.0048               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.70          | 0.629            | 0.0008                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.70          | -3.948           | -0.0048               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.70          | 2.675            | 0.0032                | -2.5 to 2.5 | Pass    |
|                             | 836.5           | 6             | 0      | 20         | 3.70          | -0.229           | -0.0003               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.15          | -3.948           | -0.0047               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.26          | -1.159           | -0.0014               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.70          | -0.958           | -0.0011               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.70          | 3.376            | 0.0040                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.70          | 1.988            | 0.0024                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.70          | 2.561            | 0.0031                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.70          | 0.386            | 0.0005                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.70          | 4.578            | 0.0055                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.70          | 2.074            | 0.0025                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.70          | -2.961           | -0.0035               | -2.5 to 2.5 | Pass    |
|                             | 848.3           | 6             | 0      | 20         | 3.70          | -2.017           | -0.0024               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.15          | -5.178           | -0.0061               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.26          | -0.014           | 0.0000                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.70          | -5.851           | -0.0069               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.70          | 1.202            | 0.0014                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.70          | 2.589            | 0.0031                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.70          | -4.106           | -0.0048               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.70          | 0.257            | 0.0003                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.70          | 0.629            | 0.0007                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.70          | -2.375           | -0.0028               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.70          | -2.117           | -0.0025               | -2.5 to 2.5 | Pass    |
| 16QAM                       | 824.7           | 6             | 0      | 20         | 3.70          | -1.960           | -0.0024               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.15          | -0.772           | -0.0009               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.26          | 0.916            | 0.0011                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.70          | -0.901           | -0.0011               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.70          | -2.489           | -0.0030               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.70          | -5.493           | -0.0067               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.70          | 1.001            | 0.0012                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.70          | 0.687            | 0.0008                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.70          | -2.904           | -0.0035               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.70          | -1.001           | -0.0012               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.70          | -3.920           | -0.0048               | -2.5 to 2.5 | Pass    |
|                             | 836.5           | 6             | 0      | 20         | 3.70          | 4.106            | 0.0049                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.15          | 0.172            | 0.0002                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.26          | 0.429            | 0.0005                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.70          | -0.143           | -0.0002               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.70          | 3.505            | 0.0042                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.70          | 0.715            | 0.0009                | -2.5 to 2.5 | Pass    |

|  |       |   |   |     |      |        |         |             |      |
|--|-------|---|---|-----|------|--------|---------|-------------|------|
|  |       |   |   | 0   | 3.70 | -1.516 | -0.0018 | -2.5 to 2.5 | Pass |
|  |       |   |   | 10  | 3.70 | 1.917  | 0.0023  | -2.5 to 2.5 | Pass |
|  |       |   |   | 30  | 3.70 | 0.629  | 0.0008  | -2.5 to 2.5 | Pass |
|  |       |   |   | 40  | 3.70 | -0.715 | -0.0009 | -2.5 to 2.5 | Pass |
|  |       |   |   | 50  | 3.70 | -1.616 | -0.0019 | -2.5 to 2.5 | Pass |
|  | 848.3 | 6 | 0 | 20  | 3.70 | -3.219 | -0.0038 | -2.5 to 2.5 | Pass |
|  |       |   |   |     | 3.15 | 0.815  | 0.0010  | -2.5 to 2.5 | Pass |
|  |       |   |   |     | 4.26 | 2.160  | 0.0025  | -2.5 to 2.5 | Pass |
|  |       |   |   | -30 | 3.70 | 11.802 | 0.0139  | -2.5 to 2.5 | Pass |
|  |       |   |   | -20 | 3.70 | -1.888 | -0.0022 | -2.5 to 2.5 | Pass |
|  |       |   |   | -10 | 3.70 | -1.659 | -0.0020 | -2.5 to 2.5 | Pass |
|  |       |   |   | 0   | 3.70 | -1.531 | -0.0018 | -2.5 to 2.5 | Pass |
|  |       |   |   | 10  | 3.70 | -3.791 | -0.0045 | -2.5 to 2.5 | Pass |
|  |       |   |   | 30  | 3.70 | -0.100 | -0.0001 | -2.5 to 2.5 | Pass |
|  |       |   |   | 40  | 3.70 | 0.958  | 0.0011  | -2.5 to 2.5 | Pass |
|  |       |   |   | 50  | 3.70 | -5.808 | -0.0068 | -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         | 3.70          | -1.888           | -0.0023               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.15          | -1.802           | -0.0022               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.26          | 0.772            | 0.0009                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.70          | -1.230           | -0.0015               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.70          | -3.405           | -0.0041               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.70          | 1.488            | 0.0018                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.70          | -4.678           | -0.0057               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.70          | -1.259           | -0.0015               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.70          | 2.189            | 0.0027                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.70          | -0.701           | -0.0008               | -2.5 to 2.5 | Pass    |
|                           | 836.5           | 15            | 0      | 50         | 3.70          | -0.458           | -0.0006               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 20         | 3.70          | 0.215            | 0.0003                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.15          | -2.503           | -0.0030               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.26          | -1.245           | -0.0015               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.70          | -2.460           | -0.0029               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.70          | -1.903           | -0.0023               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.70          | 0.086            | 0.0001                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.70          | 2.904            | 0.0035                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.70          | -4.878           | -0.0058               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.70          | -0.029           | 0.0000                | -2.5 to 2.5 | Pass    |
|                           | 847.5           | 15            | 0      | 40         | 3.70          | 0.930            | 0.0011                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.70          | -4.349           | -0.0052               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 20         | 3.70          | 0.472            | 0.0006                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.15          | 0.801            | 0.0009                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.26          | -2.117           | -0.0025               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.70          | -2.761           | -0.0033               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.70          | 2.289            | 0.0027                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.70          | 1.259            | 0.0015                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.70          | 1.116            | 0.0013                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.70          | 1.373            | 0.0016                | -2.5 to 2.5 | Pass    |
| 16QAM                     | 825.5           | 15            | 0      | 20         | 3.70          | 0.658            | 0.0008                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.15          | 3.862            | 0.0047                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.26          | -2.789           | -0.0034               | -2.5 to 2.5 | Pass    |

|  |       |    |   |     |      |        |         |             |      |
|--|-------|----|---|-----|------|--------|---------|-------------|------|
|  |       |    |   | -30 | 3.70 | 2.074  | 0.0025  | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.70 | 0.558  | 0.0007  | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.70 | 1.388  | 0.0017  | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.70 | -0.730 | -0.0009 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.70 | -2.160 | -0.0026 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.70 | -1.888 | -0.0023 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.70 | 0.544  | 0.0007  | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.70 | 0.916  | 0.0011  | -2.5 to 2.5 | Pass |
|  | 836.5 | 15 | 0 | 20  | 3.70 | -0.615 | -0.0007 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 3.15 | -2.303 | -0.0028 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.26 | 1.502  | 0.0018  | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.70 | 0.572  | 0.0007  | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.70 | 0.200  | 0.0002  | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.70 | 3.505  | 0.0042  | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.70 | -3.376 | -0.0040 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.70 | -3.948 | -0.0047 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.70 | 2.646  | 0.0032  | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.70 | -0.558 | -0.0007 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.70 | -6.437 | -0.0077 | -2.5 to 2.5 | Pass |
|  | 847.5 | 15 | 0 | 20  | 3.70 | 1.616  | 0.0019  | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 3.15 | 2.718  | 0.0032  | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.26 | 0.472  | 0.0006  | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.70 | -1.731 | -0.0020 | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.70 | 2.089  | 0.0025  | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.70 | 3.791  | 0.0045  | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.70 | 2.346  | 0.0028  | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.70 | -1.817 | -0.0021 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.70 | 0.687  | 0.0008  | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.70 | 3.104  | 0.0037  | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.70 | 2.789  | 0.0033  | -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         | 3.70          | -2.117           | -0.0026               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.15          | 0.386            | 0.0005                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.26          | 2.103            | 0.0025                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.70          | -2.160           | -0.0026               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.70          | -0.029           | 0.0000                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.70          | -1.702           | -0.0021               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.70          | 0.343            | 0.0004                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.70          | -3.219           | -0.0039               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.70          | -0.129           | -0.0002               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.70          | 0.014            | 0.0000                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.70          | 2.332            | 0.0028                | -2.5 to 2.5 | Pass    |
|                           | 836.5           | 25            | 0      | 20         | 3.70          | 0.801            | 0.0010                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.15          | -7.453           | -0.0089               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.26          | -1.659           | -0.0020               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.70          | -1.960           | -0.0023               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.70          | -3.047           | -0.0036               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.70          | -1.745           | -0.0021               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.70          | -5.250           | -0.0063               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.70          | -1.588           | -0.0019               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.70          | 0.057            | 0.0001                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.70          | -3.219           | -0.0038               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.70          | -2.675           | -0.0032               | -2.5 to 2.5 | Pass    |

|       |       |    |   |     |      |        |         |             |      |
|-------|-------|----|---|-----|------|--------|---------|-------------|------|
|       | 846.5 | 25 | 0 | 20  | 3.70 | -3.490 | -0.0041 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.15 | 2.332  | 0.0028  | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.26 | -0.172 | -0.0002 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.70 | -3.862 | -0.0046 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.70 | -0.658 | -0.0008 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.70 | 1.202  | 0.0014  | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.70 | -0.987 | -0.0012 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.70 | -0.072 | -0.0001 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.70 | 1.688  | 0.0020  | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.70 | -0.372 | -0.0004 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.70 | -2.947 | -0.0035 | -2.5 to 2.5 | Pass |
| 16QAM | 826.5 | 25 | 0 | 20  | 3.70 | -3.076 | -0.0037 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.15 | -1.559 | -0.0019 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.26 | 1.931  | 0.0023  | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.70 | 3.891  | 0.0047  | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.70 | -0.901 | -0.0011 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.70 | -1.202 | -0.0015 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.70 | 0.873  | 0.0011  | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.70 | 0.730  | 0.0009  | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.70 | -0.873 | -0.0011 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.70 | 0.958  | 0.0012  | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.70 | -1.602 | -0.0019 | -2.5 to 2.5 | Pass |
|       | 836.5 | 25 | 0 | 20  | 3.70 | -0.930 | -0.0011 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.15 | -0.329 | -0.0004 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.26 | -2.189 | -0.0026 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.70 | -4.549 | -0.0054 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.70 | -0.257 | -0.0003 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.70 | -1.516 | -0.0018 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.70 | -4.392 | -0.0053 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.70 | -1.845 | -0.0022 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.70 | 1.373  | 0.0016  | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.70 | 0.329  | 0.0004  | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.70 | -0.458 | -0.0005 | -2.5 to 2.5 | Pass |
|       | 846.5 | 25 | 0 | 20  | 3.70 | -1.373 | -0.0016 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.15 | -0.272 | -0.0003 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.26 | -1.788 | -0.0021 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.70 | -0.257 | -0.0003 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.70 | 4.206  | 0.0050  | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.70 | 1.616  | 0.0019  | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.70 | 4.334  | 0.0051  | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.70 | 4.792  | 0.0057  | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.70 | 0.916  | 0.0011  | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.70 | -2.060 | -0.0024 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.70 | 1.116  | 0.0013  | -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         | 3.70          | -2.117           | -0.0026               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.15          | -1.202           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.26          | -1.044           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.70          | -0.486           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.70          | -1.130           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.70          | -1.831           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.70          | -0.930           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.70          | -0.372           | -0.0004               | -2.5 to 2.5 | Pass    |

|       |       |    |    |     |      |        |         |             |      |
|-------|-------|----|----|-----|------|--------|---------|-------------|------|
|       |       |    |    | 30  | 3.70 | -1.216 | -0.0015 | -2.5 to 2.5 | Pass |
|       |       |    |    | 40  | 3.70 | 0.401  | 0.0005  | -2.5 to 2.5 | Pass |
|       |       |    |    | 50  | 3.70 | -0.286 | -0.0003 | -2.5 to 2.5 | Pass |
|       | 836.5 | 50 | 0  | 20  | 3.70 | 0.043  | 0.0001  | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 3.15 | -3.419 | -0.0041 | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 4.26 | -4.234 | -0.0051 | -2.5 to 2.5 | Pass |
|       |       |    |    | -30 | 3.70 | -3.791 | -0.0045 | -2.5 to 2.5 | Pass |
|       |       |    |    | -20 | 3.70 | -4.678 | -0.0056 | -2.5 to 2.5 | Pass |
|       |       |    |    | -10 | 3.70 | -4.191 | -0.0050 | -2.5 to 2.5 | Pass |
|       |       |    |    | 0   | 3.70 | -4.835 | -0.0058 | -2.5 to 2.5 | Pass |
|       |       |    |    | 10  | 3.70 | -5.193 | -0.0062 | -2.5 to 2.5 | Pass |
|       |       |    |    | 30  | 3.70 | -3.762 | -0.0045 | -2.5 to 2.5 | Pass |
|       |       |    |    | 40  | 3.70 | -4.549 | -0.0054 | -2.5 to 2.5 | Pass |
|       |       |    |    | 50  | 3.70 | -3.304 | -0.0039 | -2.5 to 2.5 | Pass |
|       | 844   | 50 | 0  | 20  | 3.70 | -2.818 | -0.0033 | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 3.15 | -1.016 | -0.0012 | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 4.26 | -2.432 | -0.0029 | -2.5 to 2.5 | Pass |
|       |       |    |    | -30 | 3.70 | -3.018 | -0.0036 | -2.5 to 2.5 | Pass |
|       |       |    |    | -20 | 3.70 | 0.587  | 0.0007  | -2.5 to 2.5 | Pass |
|       |       |    |    | -10 | 3.70 | 1.388  | 0.0016  | -2.5 to 2.5 | Pass |
|       |       |    |    | 0   | 3.70 | -1.574 | -0.0019 | -2.5 to 2.5 | Pass |
|       |       |    |    | 10  | 3.70 | -0.730 | -0.0009 | -2.5 to 2.5 | Pass |
|       |       |    |    | 30  | 3.70 | -1.116 | -0.0013 | -2.5 to 2.5 | Pass |
|       |       |    |    | 40  | 3.70 | -1.717 | -0.0020 | -2.5 to 2.5 | Pass |
|       |       |    |    | 50  | 3.70 | -0.401 | -0.0005 | -2.5 to 2.5 | Pass |
| 16QAM | 829   | 27 | 0  | 20  | 3.70 | -0.215 | -0.0003 | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 3.15 | 3.047  | 0.0037  | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 4.26 | 0.086  | 0.0001  | -2.5 to 2.5 | Pass |
|       |       |    |    | -30 | 3.70 | 1.559  | 0.0019  | -2.5 to 2.5 | Pass |
|       |       |    |    | -20 | 3.70 | -4.864 | -0.0059 | -2.5 to 2.5 | Pass |
|       |       |    |    | -10 | 3.70 | -2.618 | -0.0032 | -2.5 to 2.5 | Pass |
|       |       |    |    | 0   | 3.70 | -2.775 | -0.0033 | -2.5 to 2.5 | Pass |
|       |       |    |    | 10  | 3.70 | -0.730 | -0.0009 | -2.5 to 2.5 | Pass |
|       |       |    |    | 30  | 3.70 | -2.661 | -0.0032 | -2.5 to 2.5 | Pass |
|       |       |    |    | 40  | 3.70 | 1.216  | 0.0015  | -2.5 to 2.5 | Pass |
|       |       |    |    | 50  | 3.70 | -1.903 | -0.0023 | -2.5 to 2.5 | Pass |
|       | 836.5 | 27 | 0  | 20  | 3.70 | -2.761 | -0.0033 | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 3.15 | -0.730 | -0.0009 | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 4.26 | -5.193 | -0.0062 | -2.5 to 2.5 | Pass |
|       |       |    |    | -30 | 3.70 | 0.730  | 0.0009  | -2.5 to 2.5 | Pass |
|       |       |    |    | -20 | 3.70 | -4.549 | -0.0054 | -2.5 to 2.5 | Pass |
|       |       |    |    | -10 | 3.70 | -0.029 | 0.0000  | -2.5 to 2.5 | Pass |
|       |       |    |    | 0   | 3.70 | -7.181 | -0.0086 | -2.5 to 2.5 | Pass |
|       |       |    |    | 10  | 3.70 | -2.275 | -0.0027 | -2.5 to 2.5 | Pass |
|       |       |    |    | 30  | 3.70 | -0.701 | -0.0008 | -2.5 to 2.5 | Pass |
|       |       |    |    | 40  | 3.70 | -4.978 | -0.0060 | -2.5 to 2.5 | Pass |
|       |       |    |    | 50  | 3.70 | -5.322 | -0.0064 | -2.5 to 2.5 | Pass |
|       | 844   | 27 | 23 | 20  | 3.70 | -2.432 | -0.0029 | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 3.15 | -0.114 | -0.0001 | -2.5 to 2.5 | Pass |
|       |       |    |    |     | 4.26 | -1.445 | -0.0017 | -2.5 to 2.5 | Pass |
|       |       |    |    | -30 | 3.70 | -3.333 | -0.0039 | -2.5 to 2.5 | Pass |
|       |       |    |    | -20 | 3.70 | -1.845 | -0.0022 | -2.5 to 2.5 | Pass |
|       |       |    |    | -10 | 3.70 | 2.146  | 0.0025  | -2.5 to 2.5 | Pass |
|       |       |    |    | 0   | 3.70 | -7.610 | -0.0090 | -2.5 to 2.5 | Pass |
|       |       |    |    | 10  | 3.70 | -3.419 | -0.0041 | -2.5 to 2.5 | Pass |
|       |       |    |    | 30  | 3.70 | 2.317  | 0.0027  | -2.5 to 2.5 | Pass |
|       |       |    |    | 40  | 3.70 | 0.558  | 0.0007  | -2.5 to 2.5 | Pass |
|       |       |    |    | 50  | 3.70 | -1.888 | -0.0022 | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

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

| Band: 5 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                            |       |         |
|------------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| 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

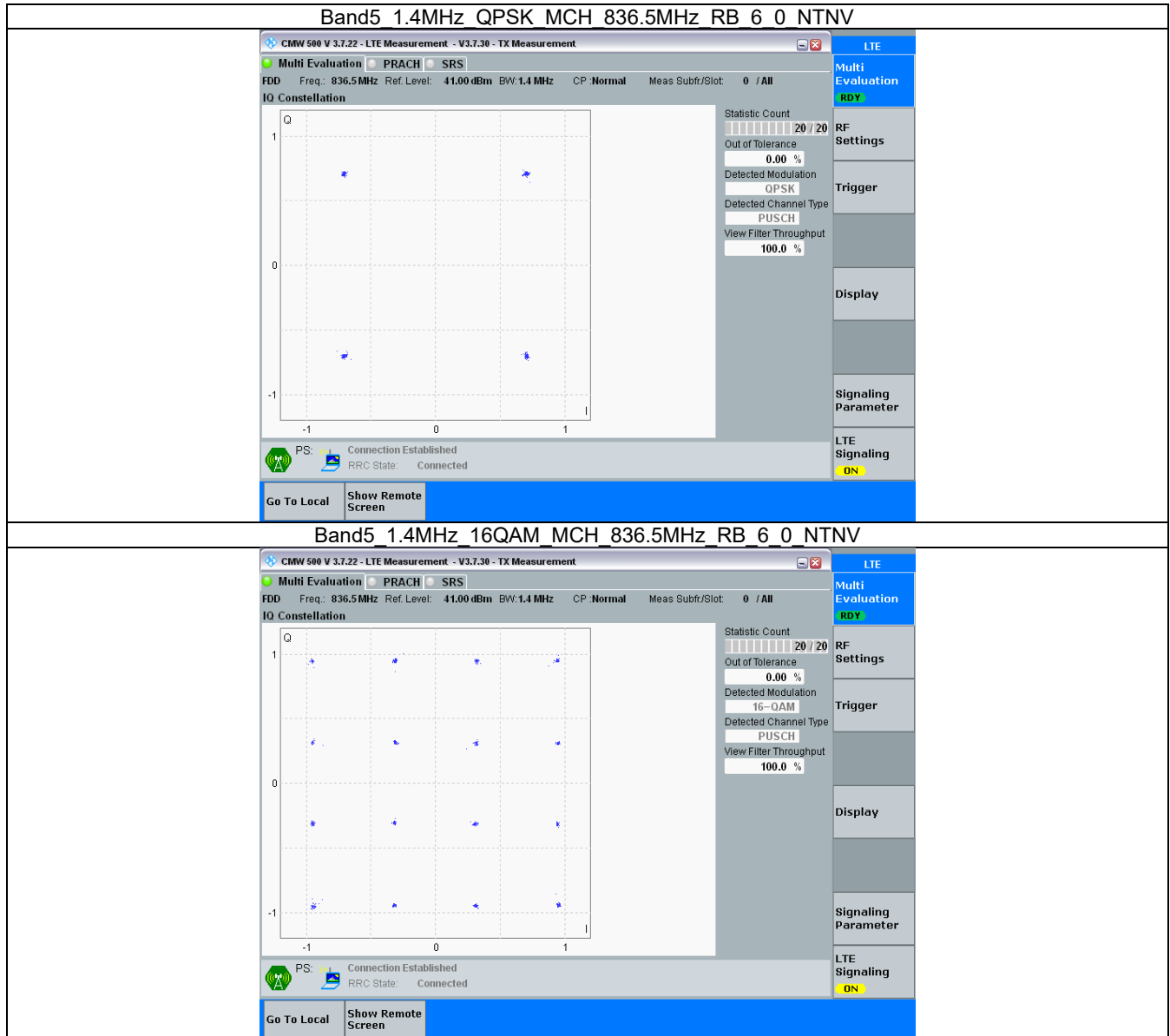
| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                       | Frequency (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

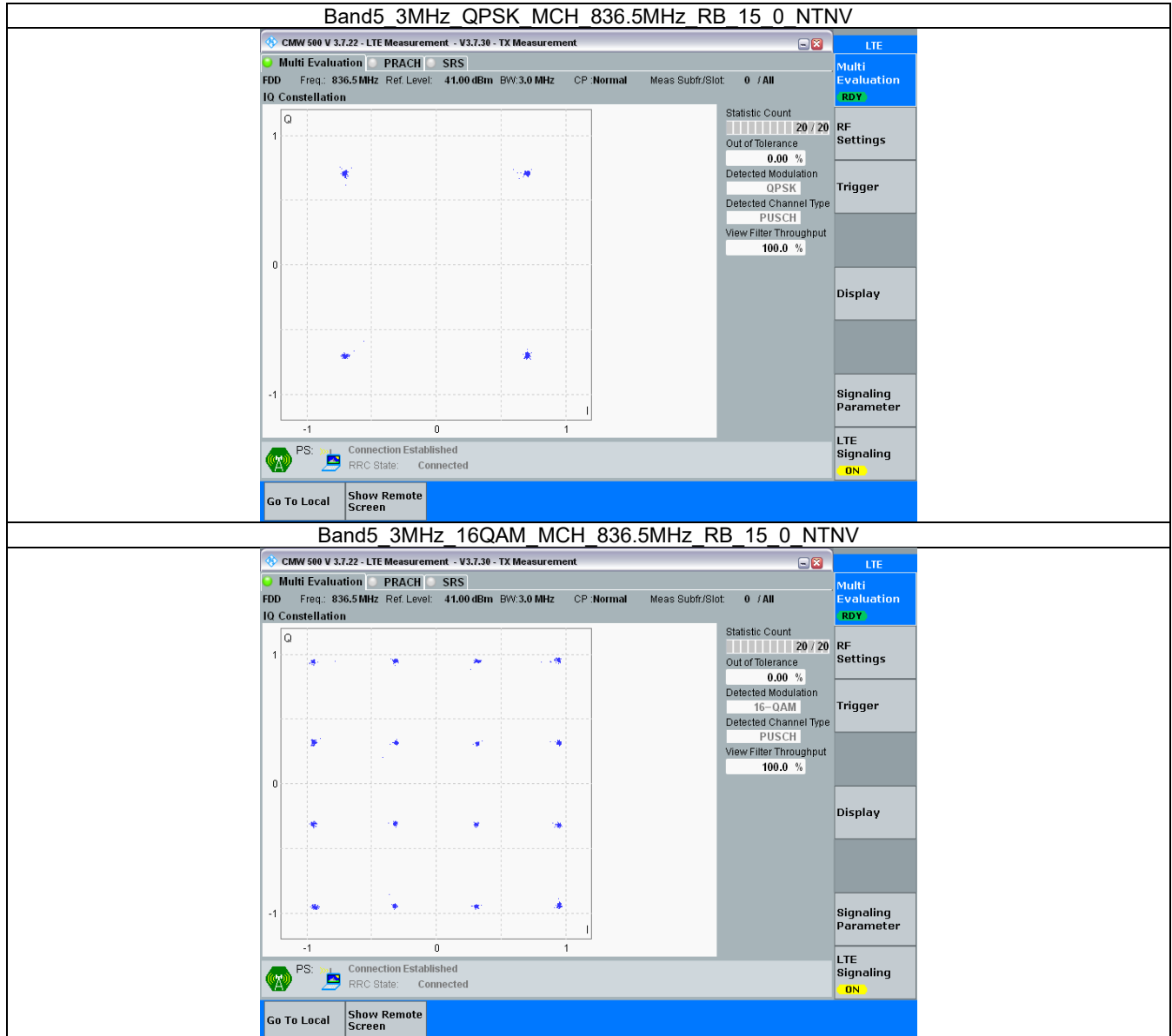
| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 836.5           | 50            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 836.5           | 27            | 0      | Refer To Test Graph        |       | Pass    |

## 3.2 Test Graph

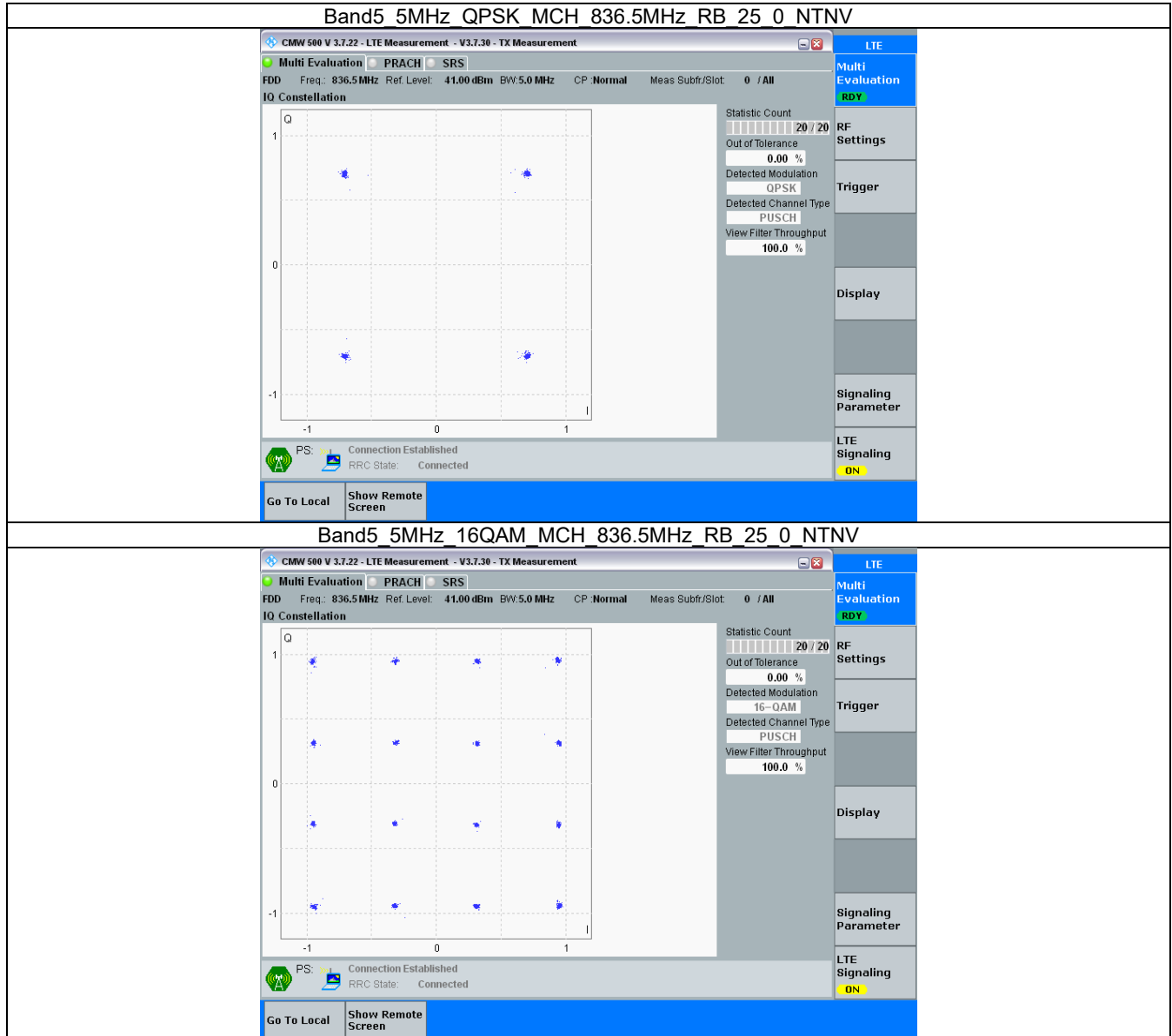
### 3.2.1 B5\_1.4MHz



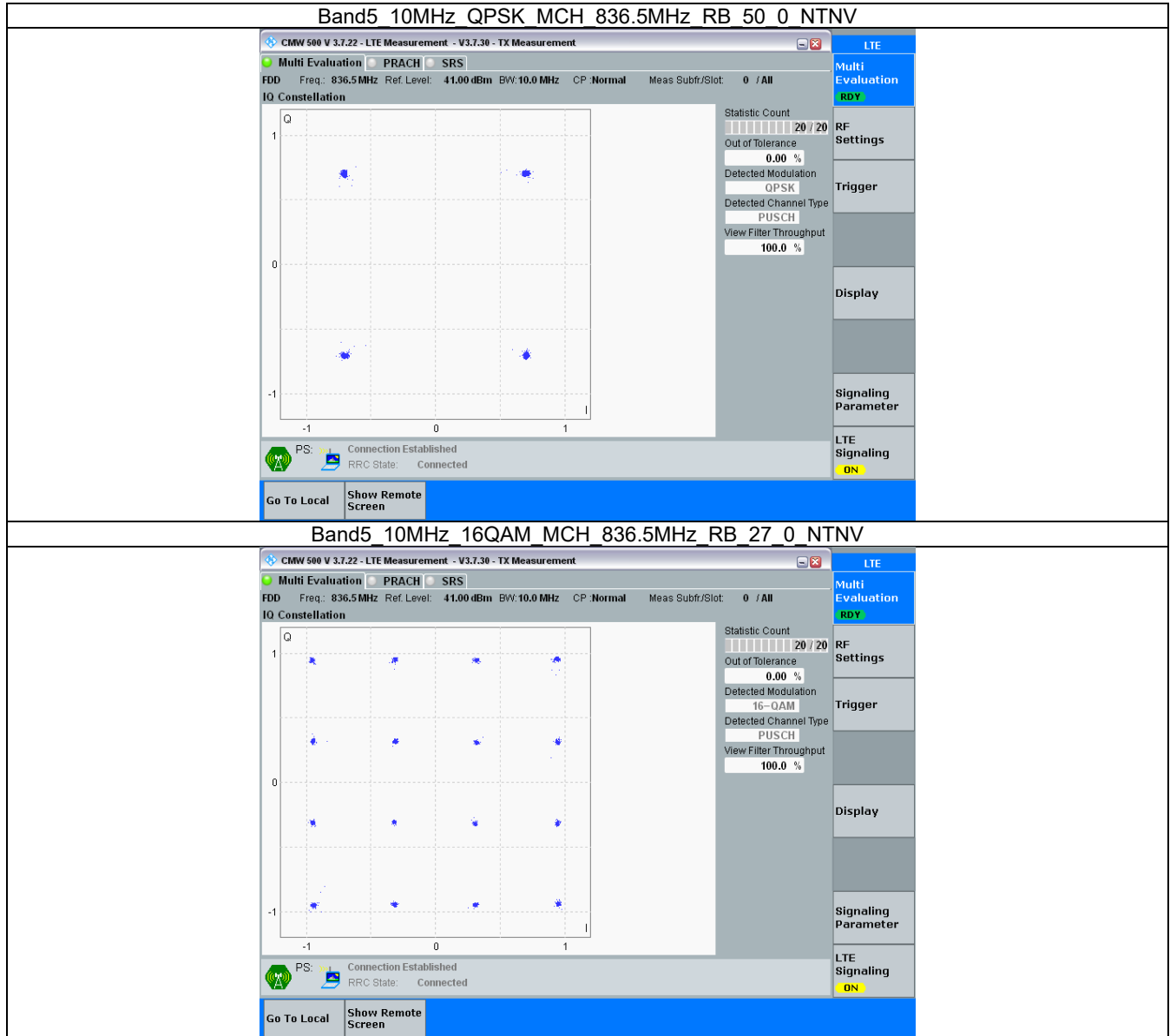
### 3.2.2 B5\_3MHz



### 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      | 1.121                        | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.105                        | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.115                        | /     | Pass    |
|                 | 16QAM      | 824.7           | 6             | 0      | 1.113                        | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.102                        | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.104                        | /     | Pass    |
| 3               | QPSK       | 825.5           | 15            | 0      | 2.728                        | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 2.726                        | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 2.729                        | /     | Pass    |
|                 | 16QAM      | 825.5           | 15            | 0      | 2.726                        | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 2.730                        | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 2.731                        | /     | Pass    |
| 5               | QPSK       | 826.5           | 25            | 0      | 4.536                        | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 4.538                        | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 4.552                        | /     | Pass    |
|                 | 16QAM      | 826.5           | 25            | 0      | 4.559                        | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 4.556                        | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 4.545                        | /     | Pass    |
| 10              | QPSK       | 829             | 50            | 0      | 9.052                        | /     | Pass    |
|                 |            | 836.5           | 50            | 0      | 9.058                        | /     | Pass    |
|                 |            | 844             | 50            | 0      | 9.038                        | /     | Pass    |
|                 | 16QAM      | 829             | 27            | 0      | 5.072                        | /     | Pass    |
|                 |            | 836.5           | 27            | 0      | 5.072                        | /     | Pass    |
|                 |            | 844             | 27            | 23     | 5.126                        | /     | Pass    |

#### 4.1.2 Band5\_XDB

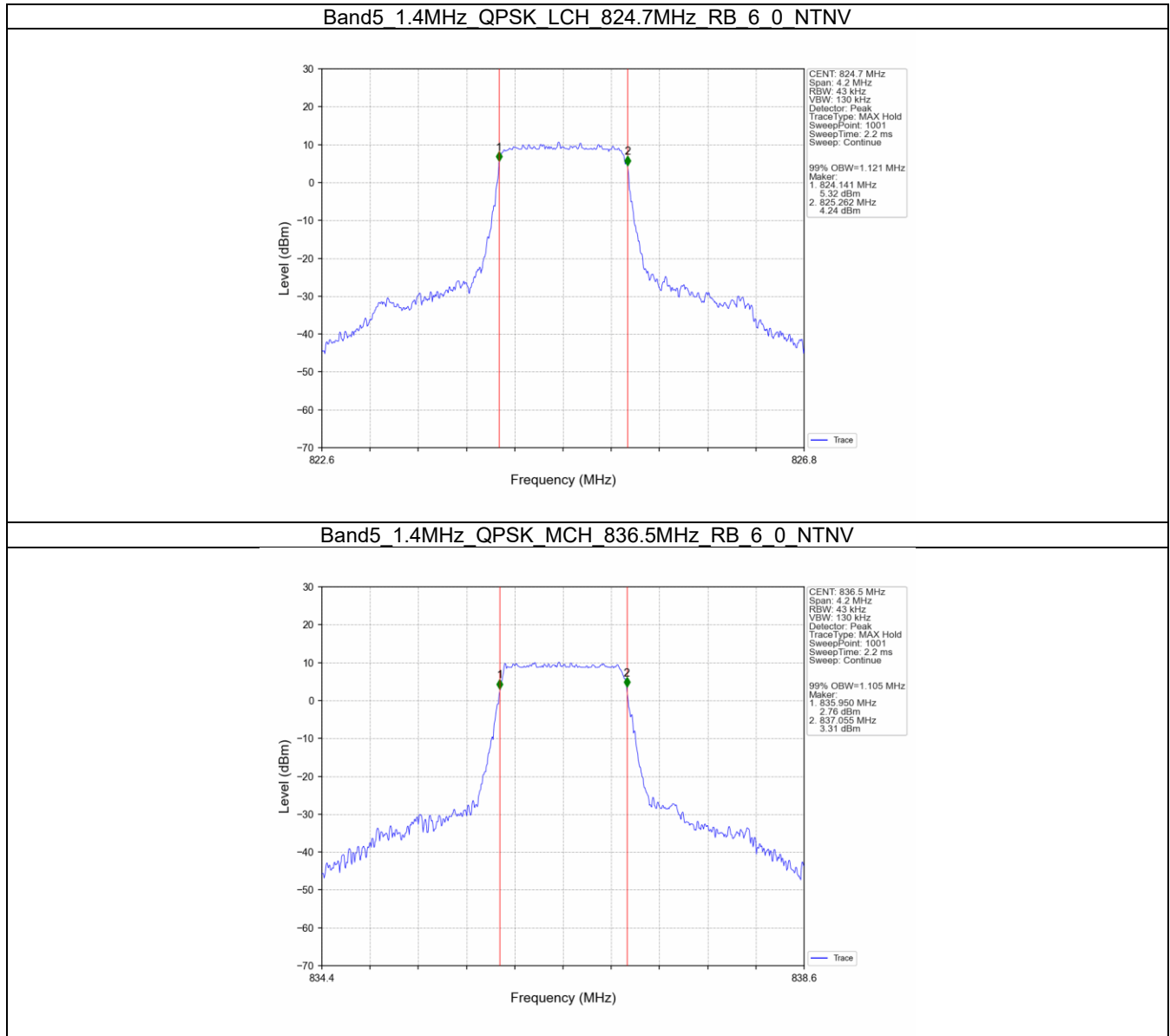
| Band: 5 / NTNV  |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 824.7           | 6             | 0      | 1.317                | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.314                | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.339                | /     | Pass    |
|                 | 16QAM      | 824.7           | 6             | 0      | 1.325                | /     | Pass    |
|                 |            | 836.5           | 6             | 0      | 1.310                | /     | Pass    |
|                 |            | 848.3           | 6             | 0      | 1.303                | /     | Pass    |
| 3               | QPSK       | 825.5           | 15            | 0      | 2.996                | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 3.006                | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 3.019                | /     | Pass    |
|                 | 16QAM      | 825.5           | 15            | 0      | 3.021                | /     | Pass    |
|                 |            | 836.5           | 15            | 0      | 3.019                | /     | Pass    |
|                 |            | 847.5           | 15            | 0      | 3.009                | /     | Pass    |
| 5               | QPSK       | 826.5           | 25            | 0      | 5.005                | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 5.073                | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 5.077                | /     | Pass    |
|                 | 16QAM      | 826.5           | 25            | 0      | 5.090                | /     | Pass    |
|                 |            | 836.5           | 25            | 0      | 5.069                | /     | Pass    |
|                 |            | 846.5           | 25            | 0      | 5.054                | /     | Pass    |
| 10              | QPSK       | 829             | 50            | 0      | 9.989                | /     | Pass    |



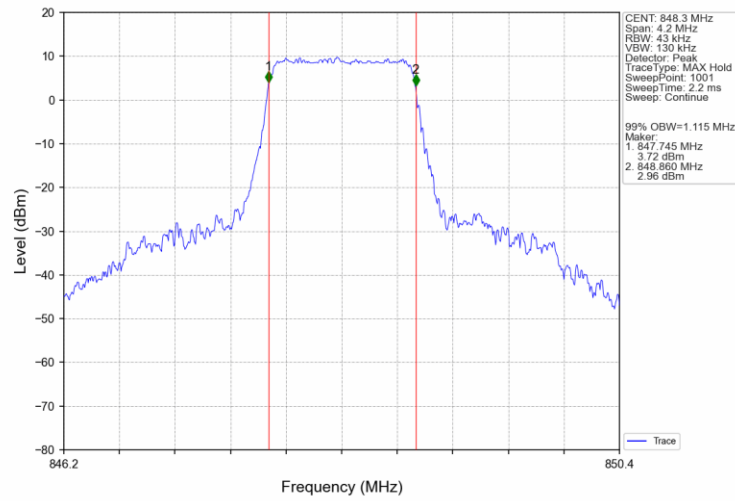
|  |       |       |    |    |        |   |      |
|--|-------|-------|----|----|--------|---|------|
|  |       | 836.5 | 50 | 0  | 9.958  | / | Pass |
|  |       | 844   | 50 | 0  | 10.046 | / | Pass |
|  | 16QAM | 829   | 27 | 0  | 6.072  | / | Pass |
|  |       | 836.5 | 27 | 0  | 6.152  | / | Pass |
|  |       | 844   | 27 | 23 | 6.104  | / | Pass |

## 4.2 Test Graph

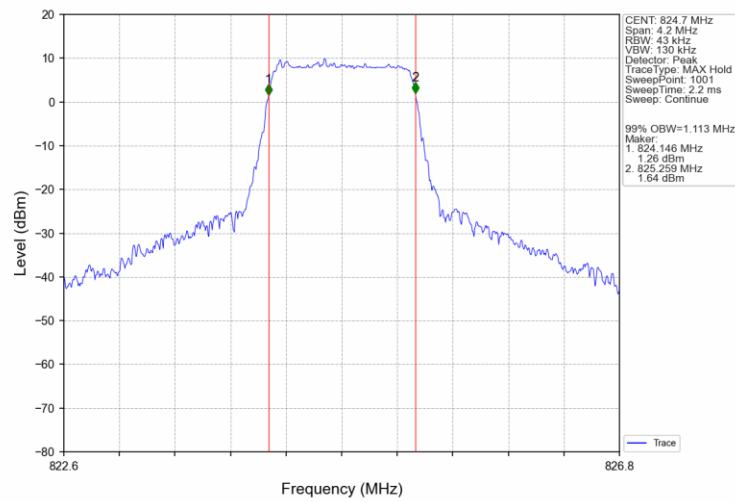
### 4.2.1 Band5\_OBW



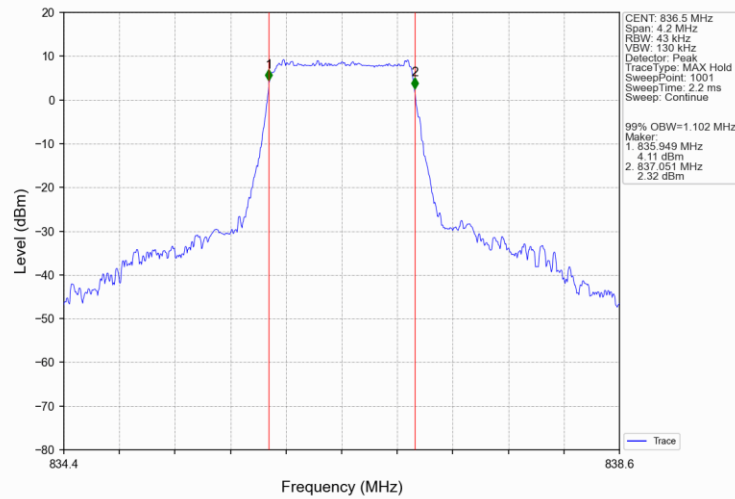
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



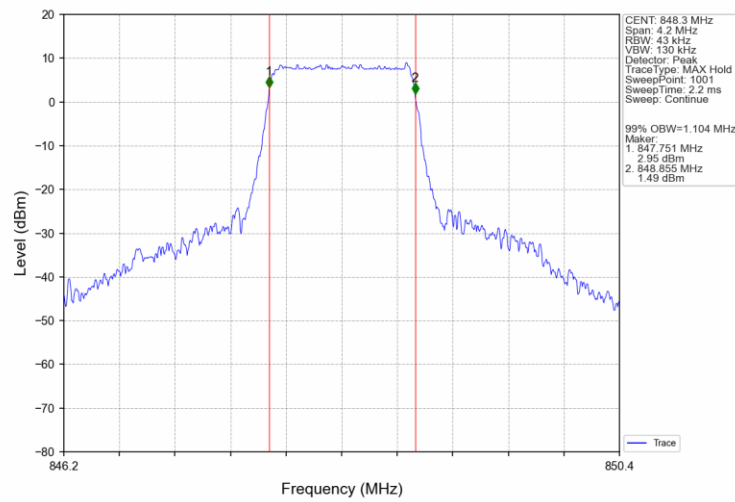
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



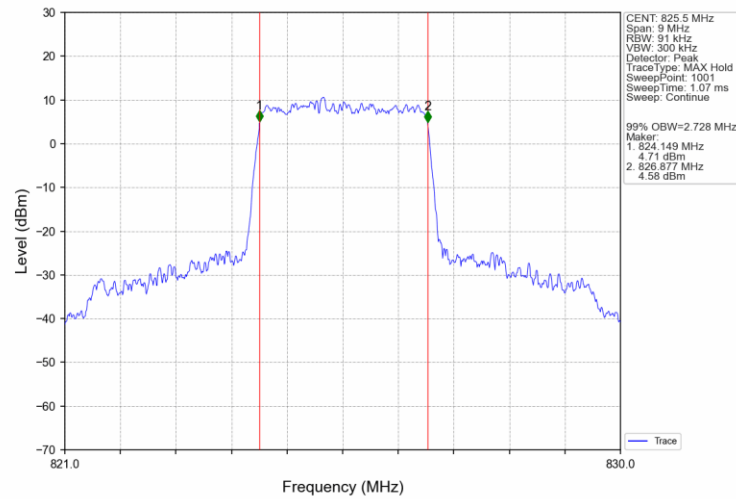
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



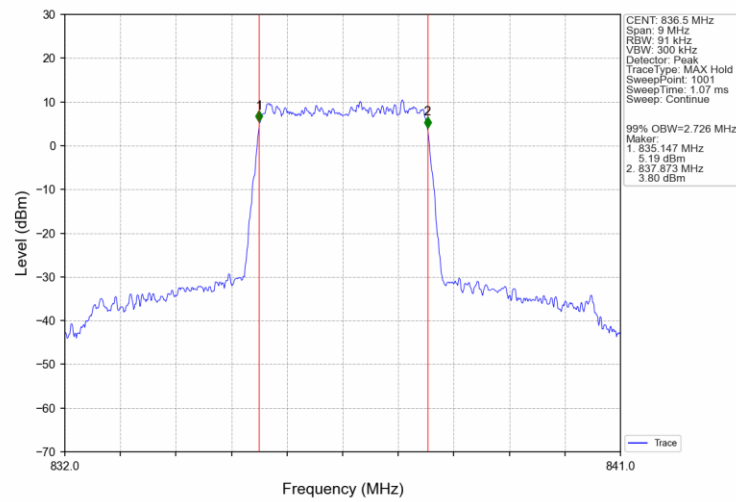
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



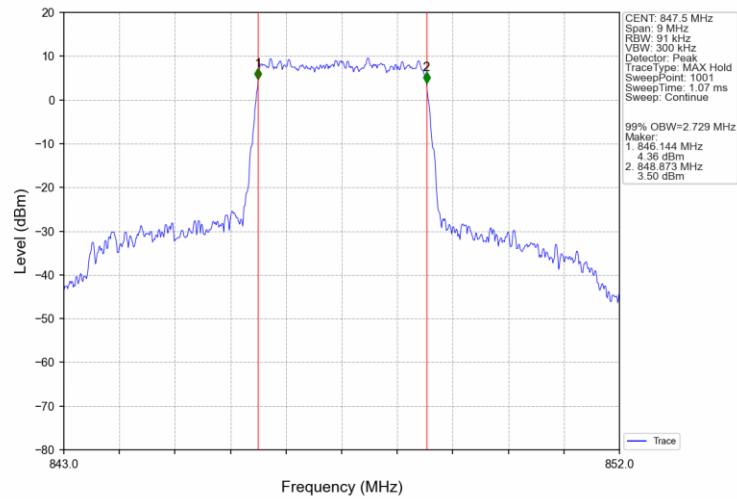
### Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



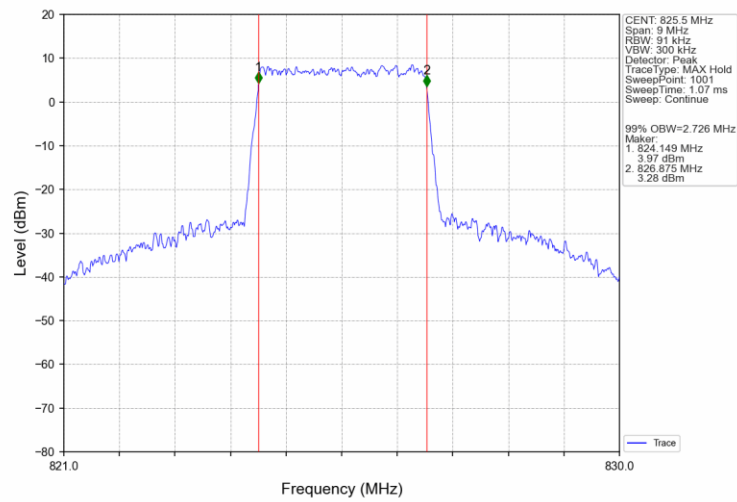
### Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



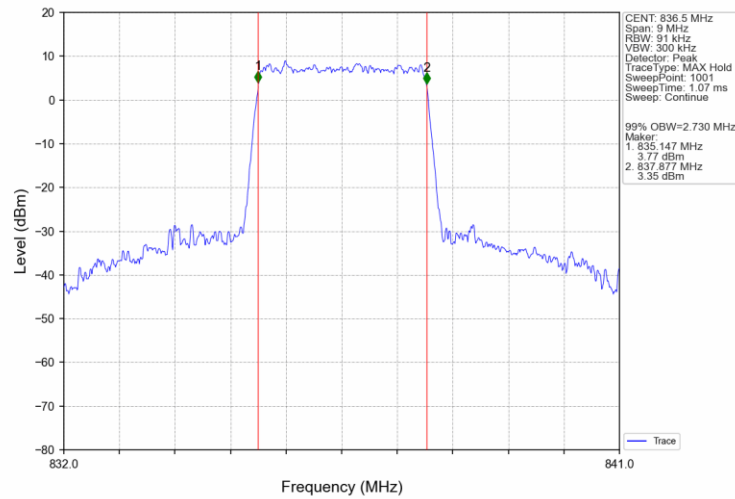
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



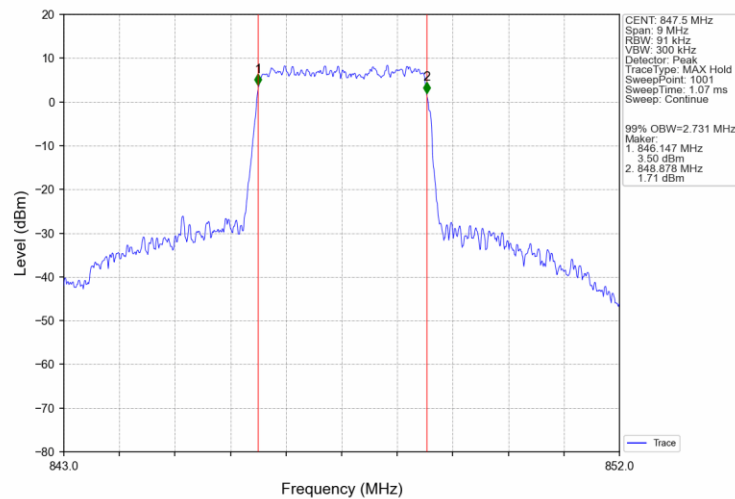
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



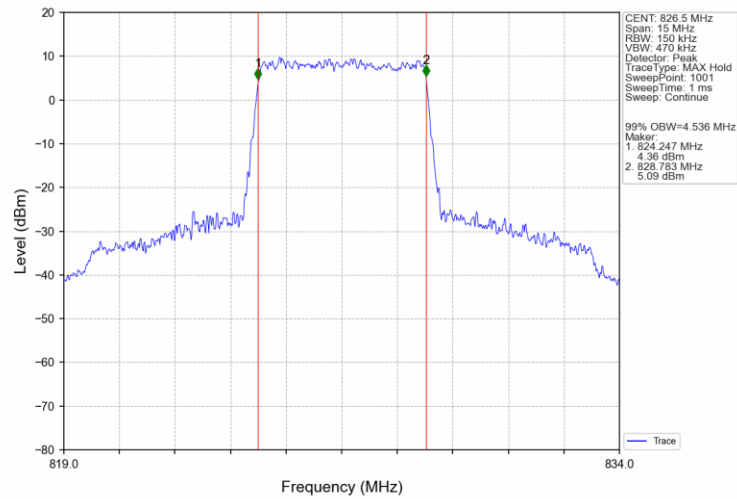
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



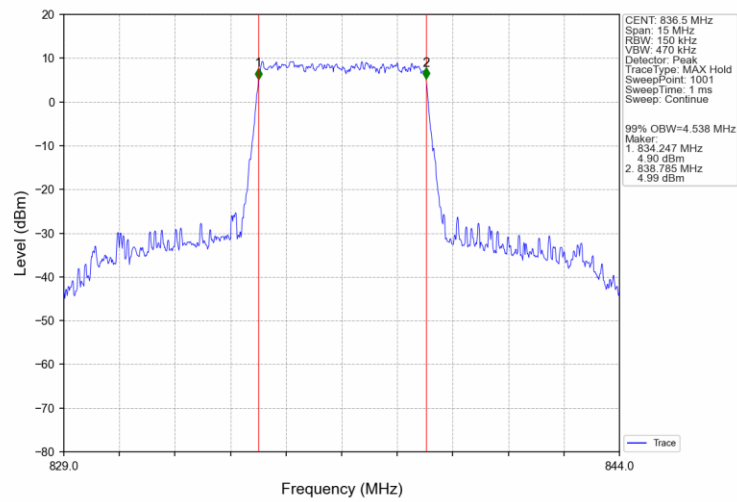
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



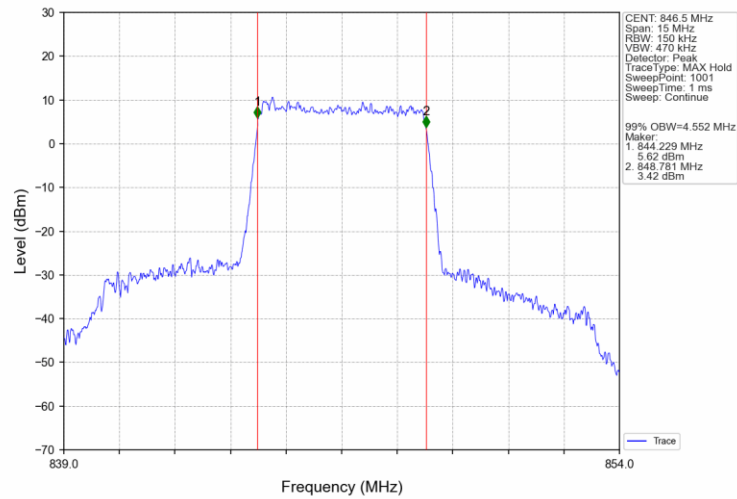
Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



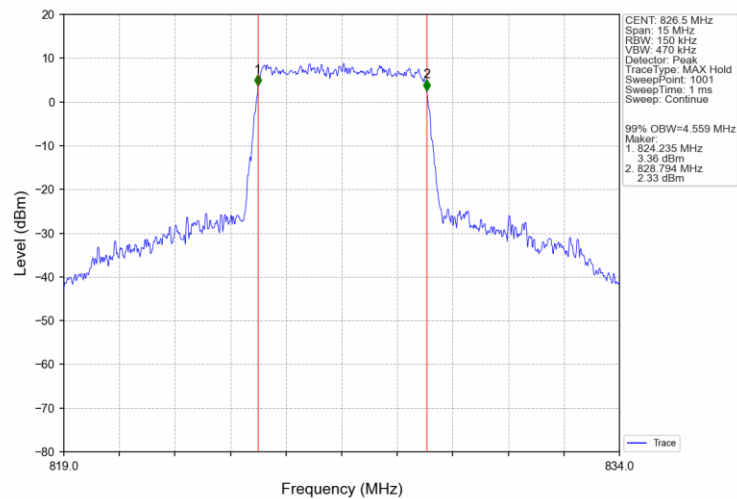
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



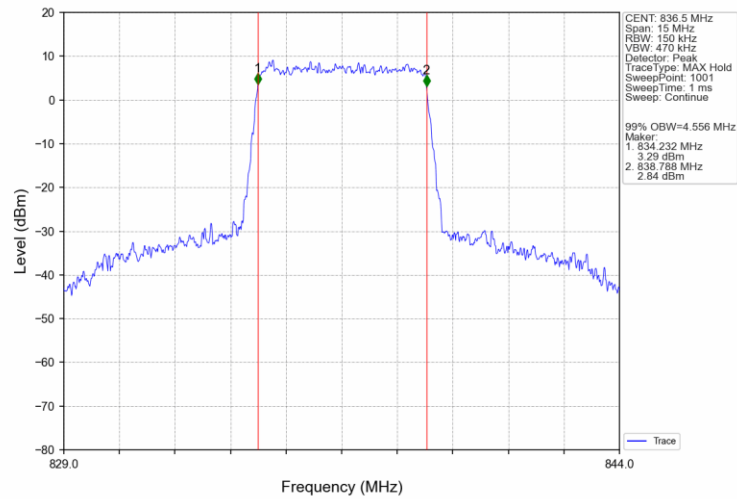
Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



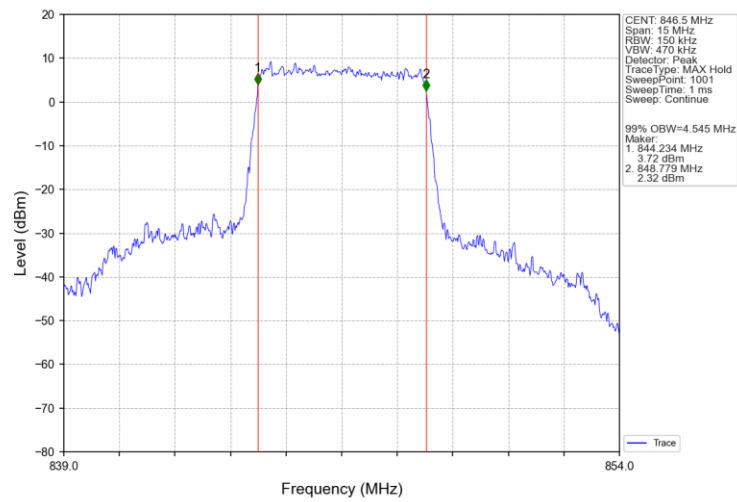
Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



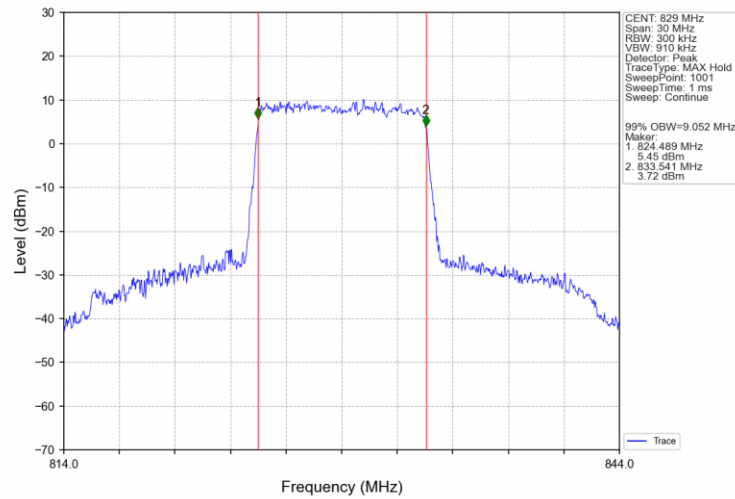
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



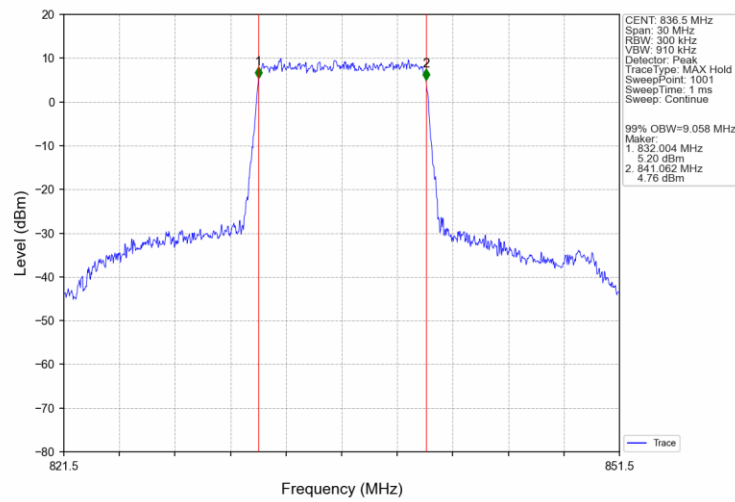
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



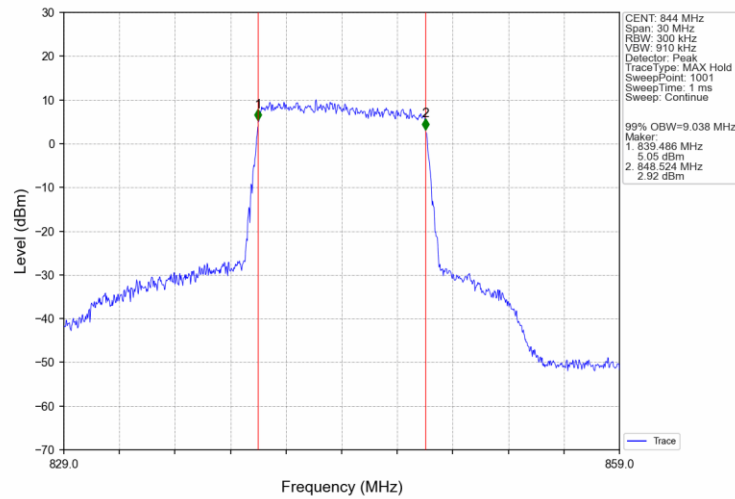
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN



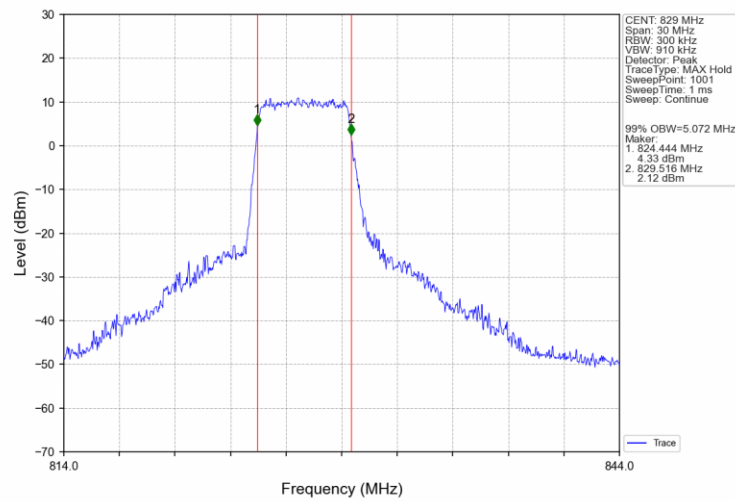
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTN



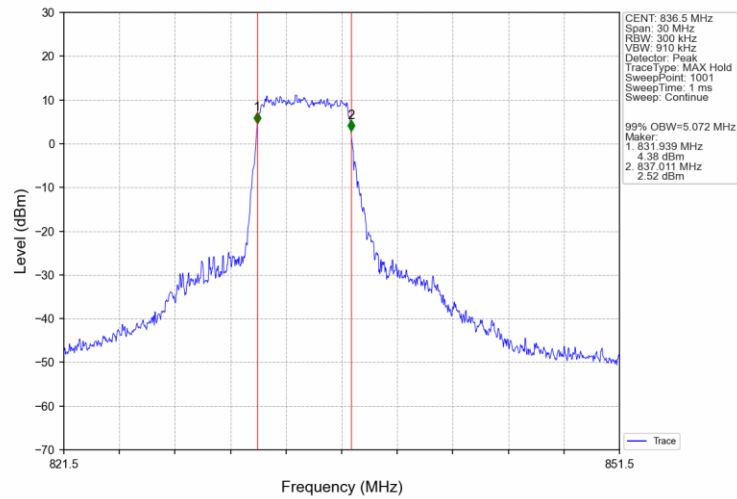
Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



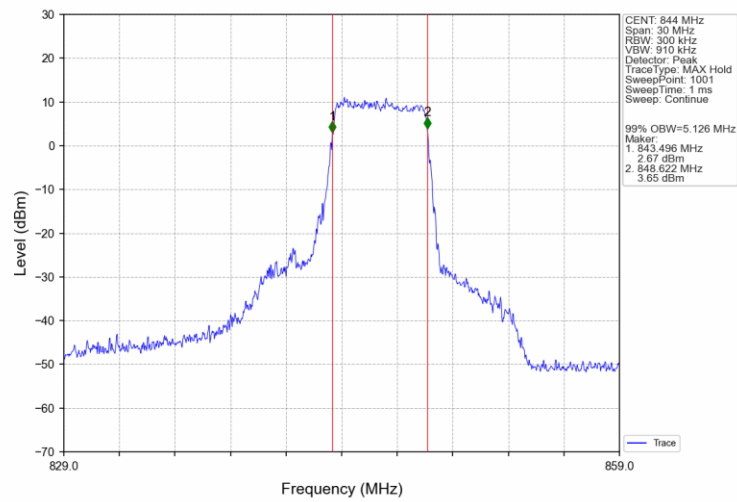
Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_27\_0\_NTNV



Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_27\_0\_NTNV

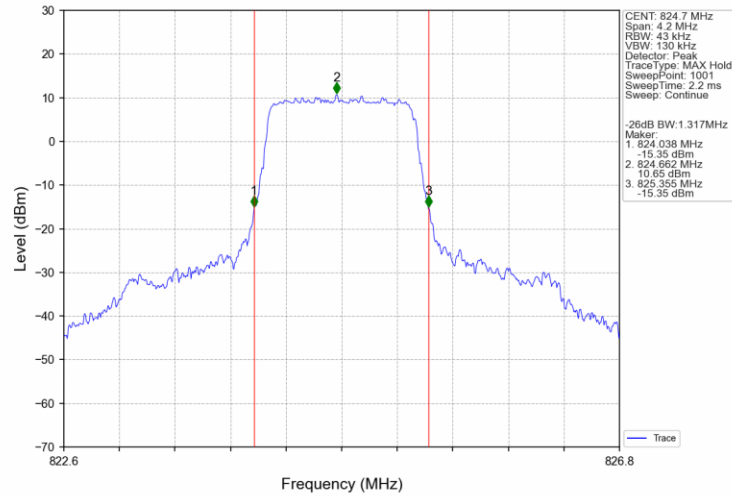


Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_27\_23\_NTNV

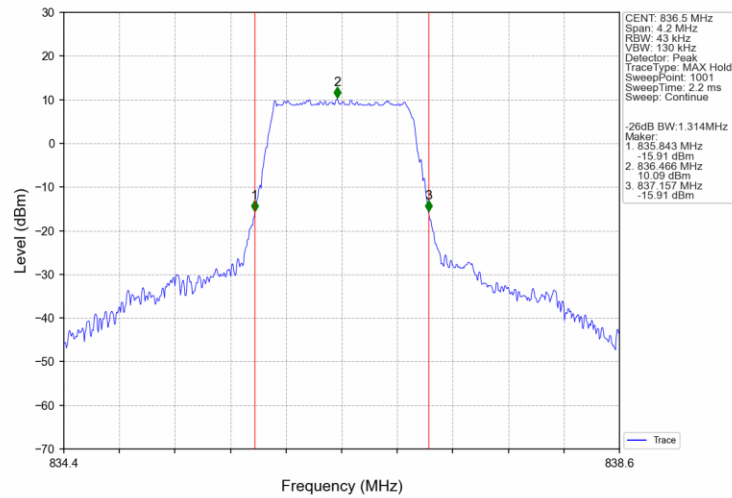


## 4.2.2 Band5\_XDB

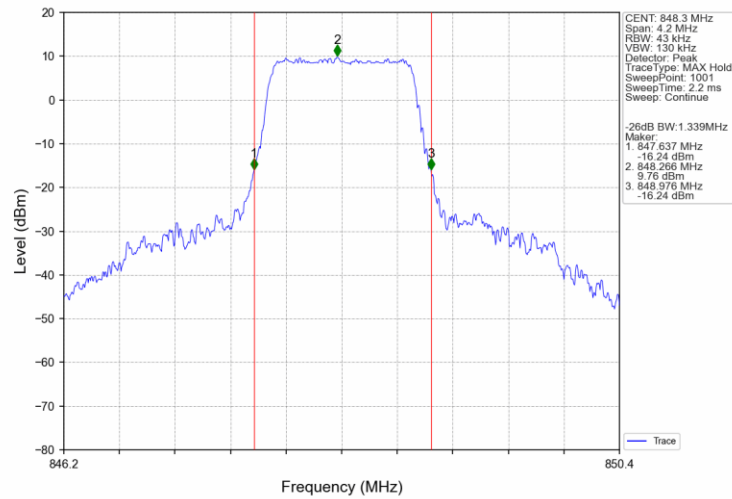
Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTN



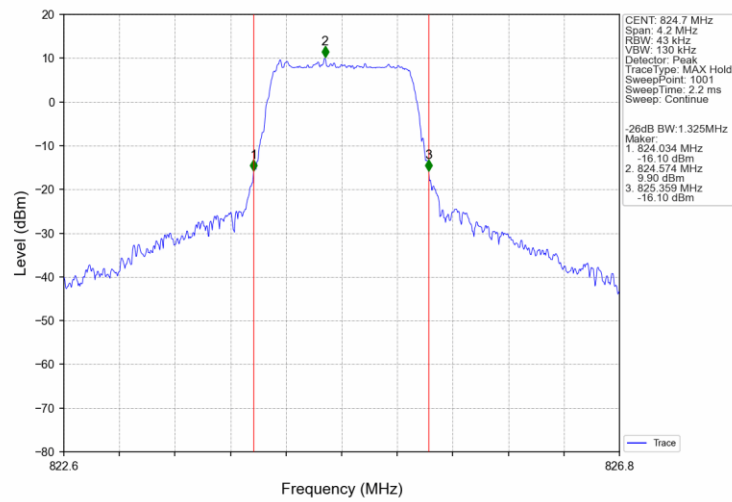
Band5 1.4MHz QPSK MCH 836.5MHz RB 6 0 NTN



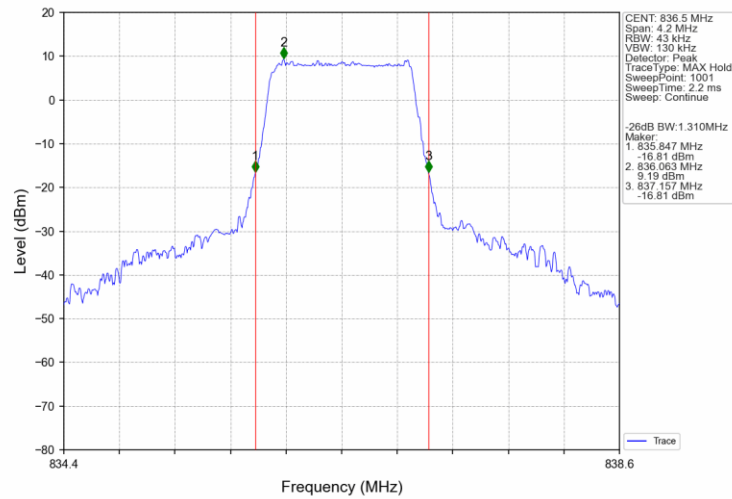
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



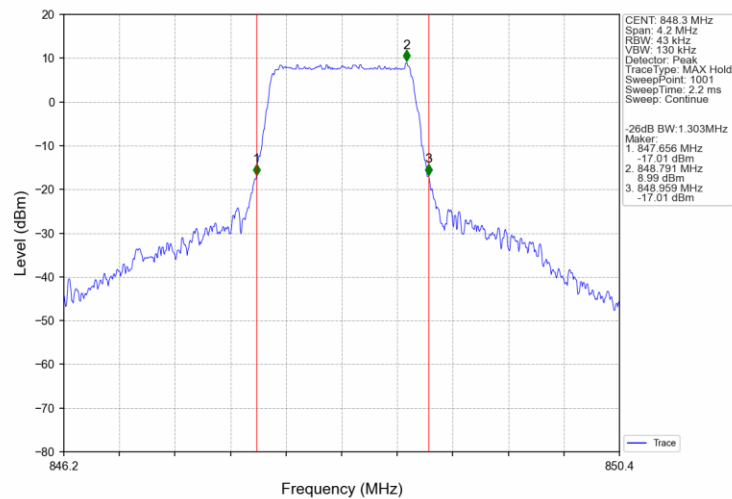
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



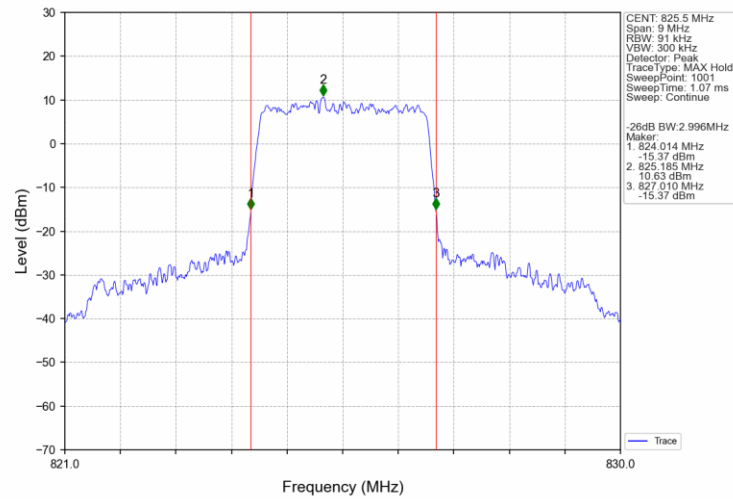
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



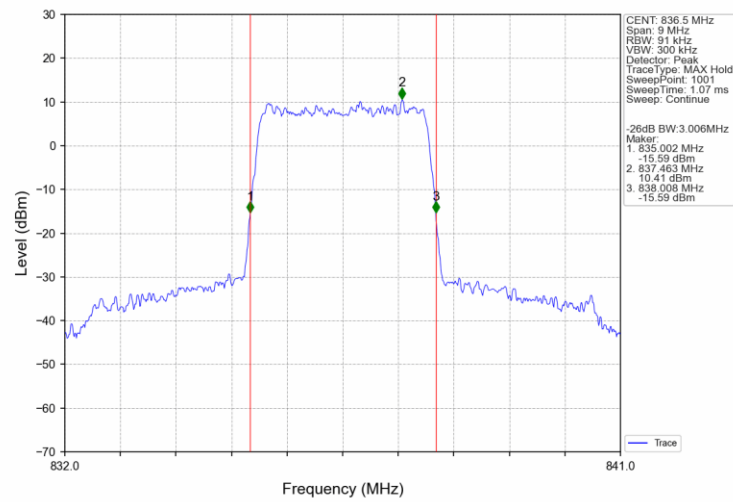
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



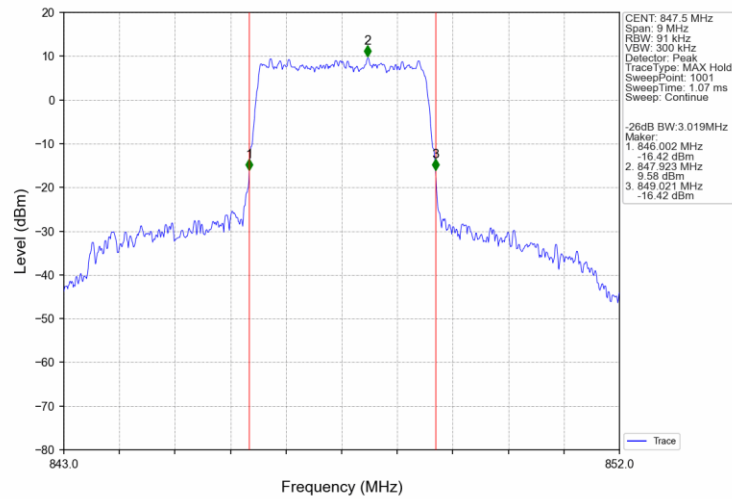
Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



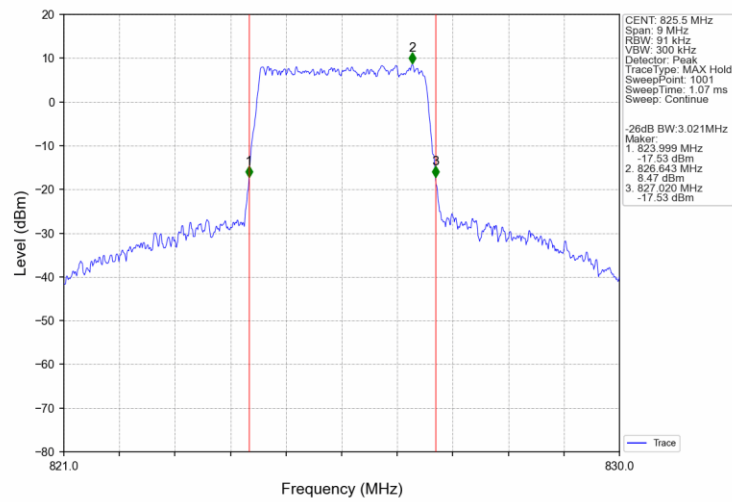
Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



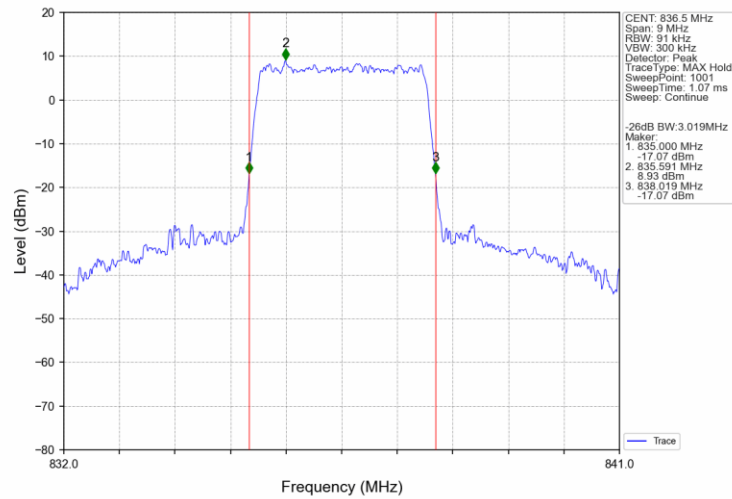
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



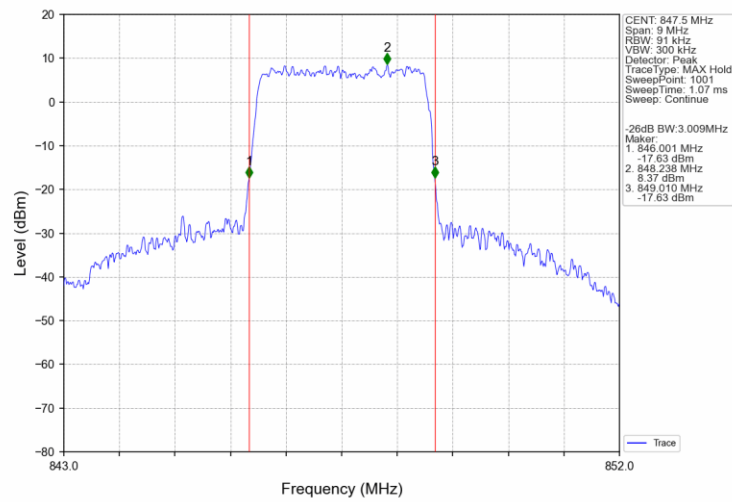
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



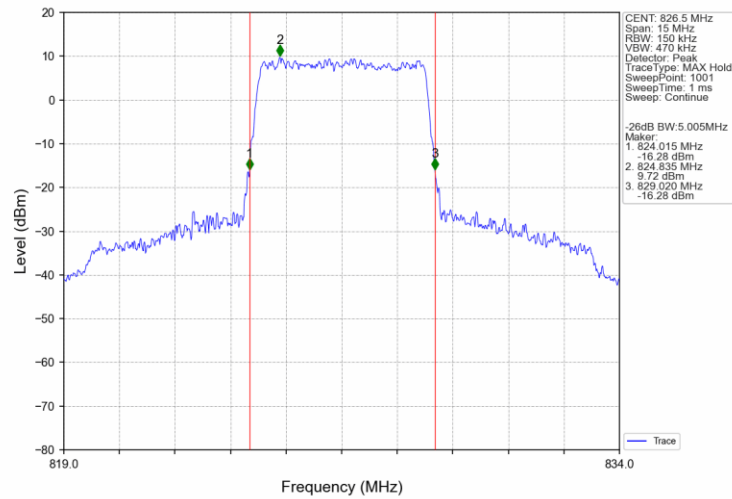
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



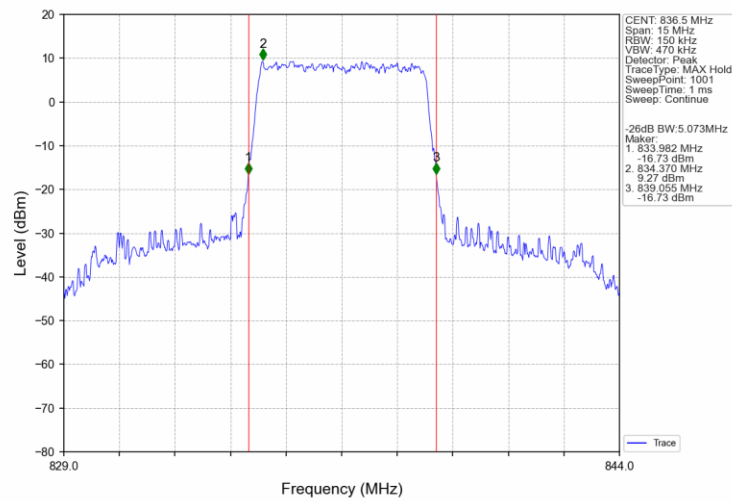
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



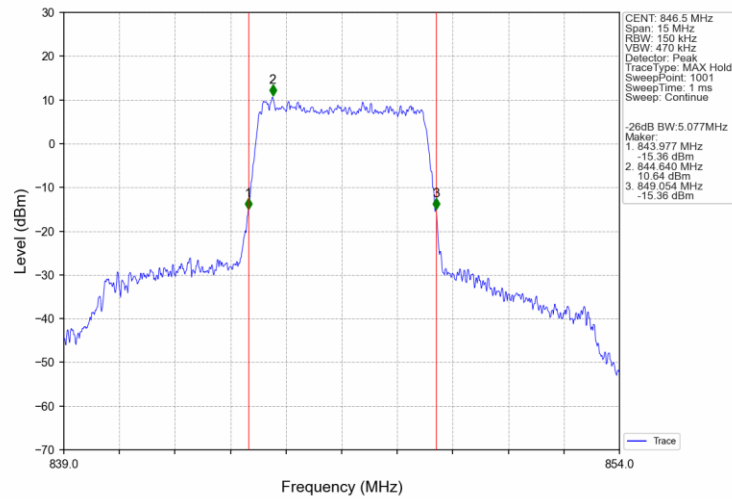
Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



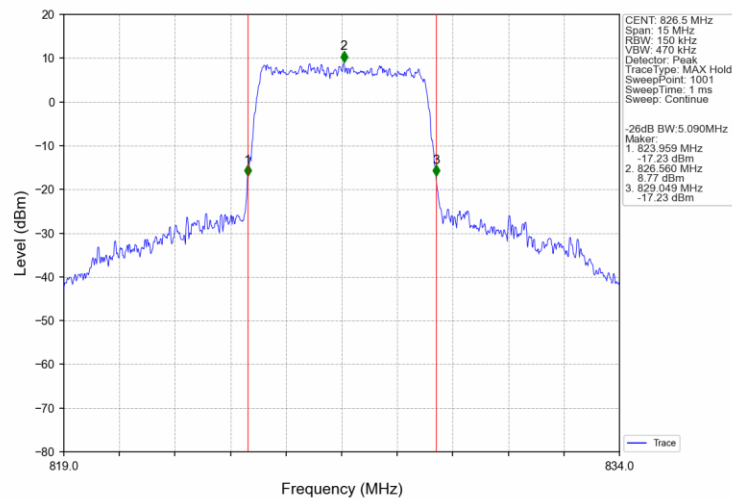
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



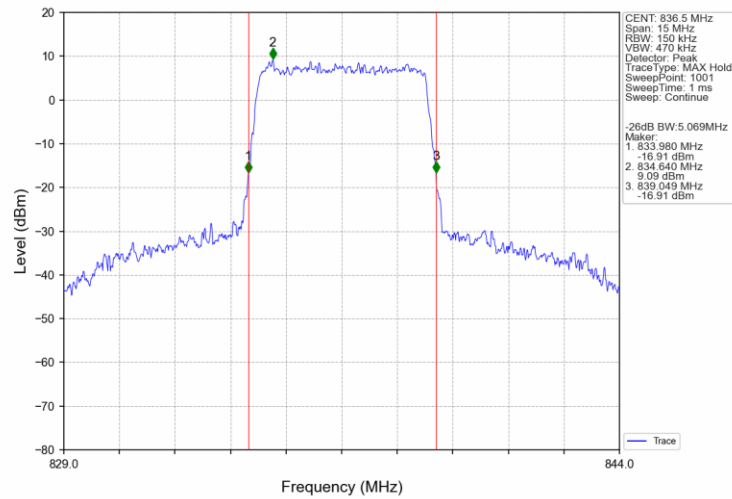
Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



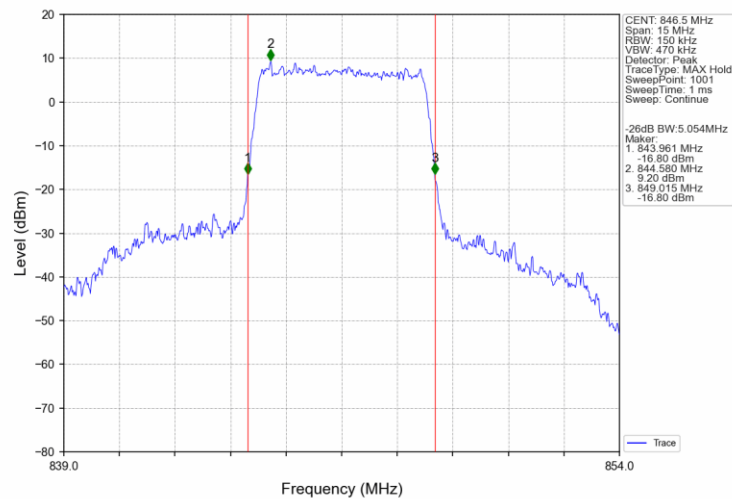
Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



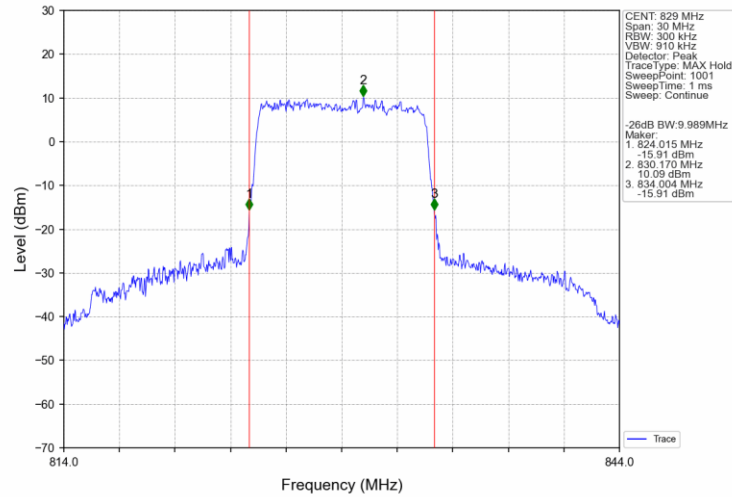
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



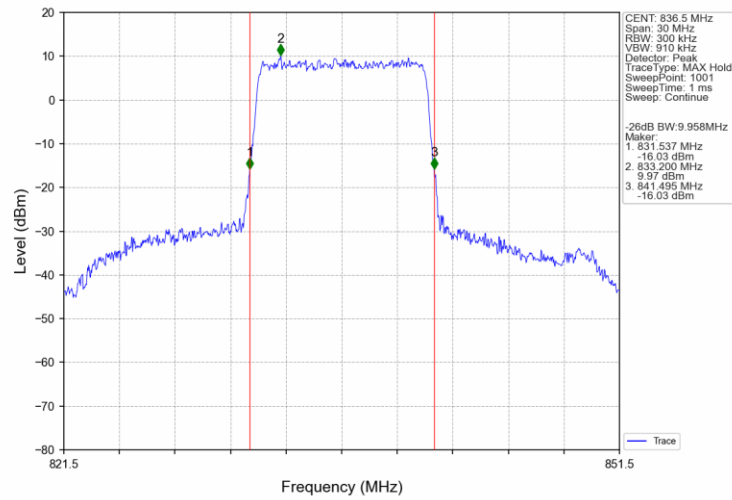
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



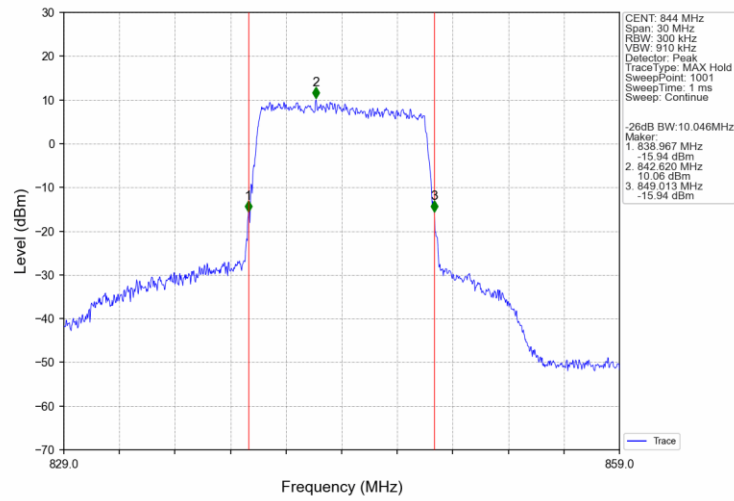
### Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN



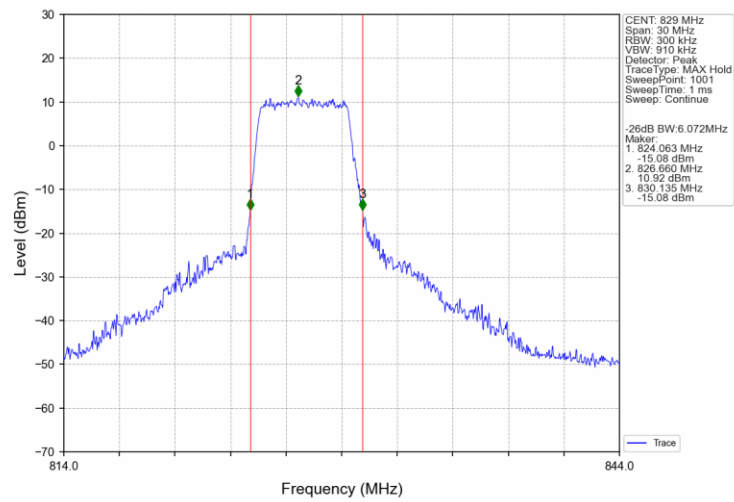
### Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTN



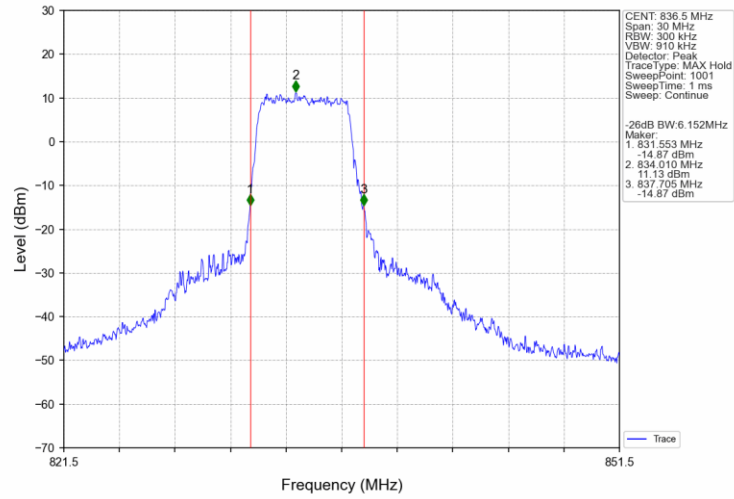
Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



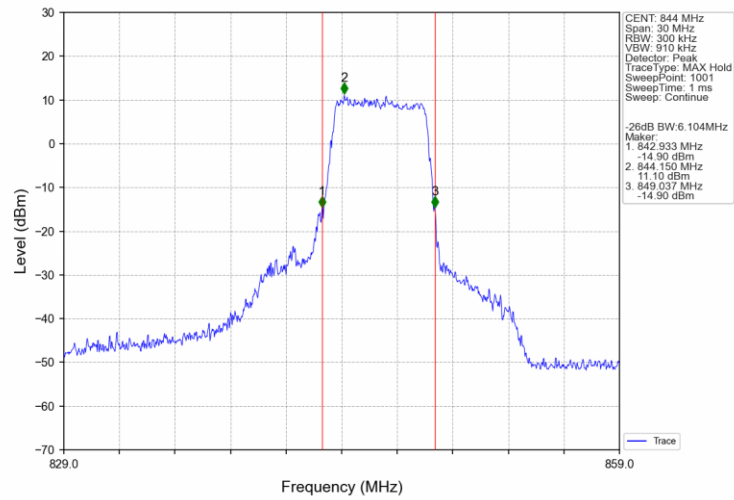
Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_27\_0\_NTNV



Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_27\_0\_NTNV



Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_27\_23\_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      | 4.70                    | <=13  | Pass    |
|                                    | 836.5           | 6             | 0      | 5.25                    | <=13  | Pass    |
|                                    | 848.3           | 6             | 0      | 4.93                    | <=13  | Pass    |
| 16QAM                              | 824.7           | 6             | 0      | 5.57                    | <=13  | Pass    |
|                                    | 836.5           | 6             | 0      | 6.10                    | <=13  | Pass    |
|                                    | 848.3           | 6             | 0      | 5.68                    | <=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      | 4.88                    | <=13  | Pass    |
|                                  | 836.5           | 15            | 0      | 5.38                    | <=13  | Pass    |
|                                  | 847.5           | 15            | 0      | 5.23                    | <=13  | Pass    |
| 16QAM                            | 825.5           | 15            | 0      | 5.75                    | <=13  | Pass    |
|                                  | 836.5           | 15            | 0      | 6.22                    | <=13  | Pass    |
|                                  | 847.5           | 15            | 0      | 6.03                    | <=13  | Pass    |

#### 5.1.3 B5\_5MHz

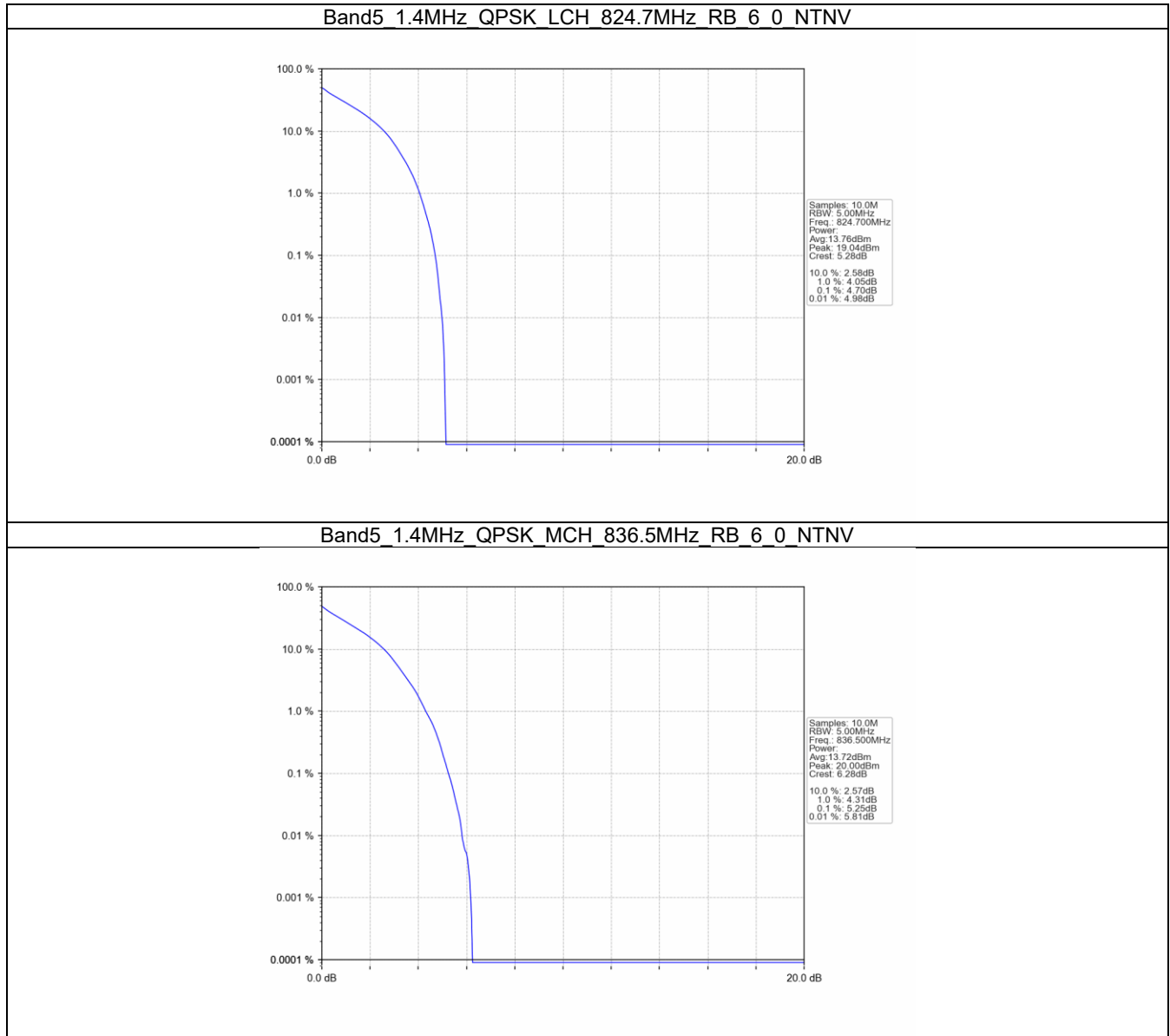
| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 826.5           | 25            | 0      | 5.22                    | <=13  | Pass    |
|                                  | 836.5           | 25            | 0      | 5.52                    | <=13  | Pass    |
|                                  | 846.5           | 25            | 0      | 5.49                    | <=13  | Pass    |
| 16QAM                            | 826.5           | 25            | 0      | 5.97                    | <=13  | Pass    |
|                                  | 836.5           | 25            | 0      | 6.22                    | <=13  | Pass    |
|                                  | 846.5           | 25            | 0      | 6.12                    | <=13  | Pass    |

#### 5.1.4 B5\_10MHz

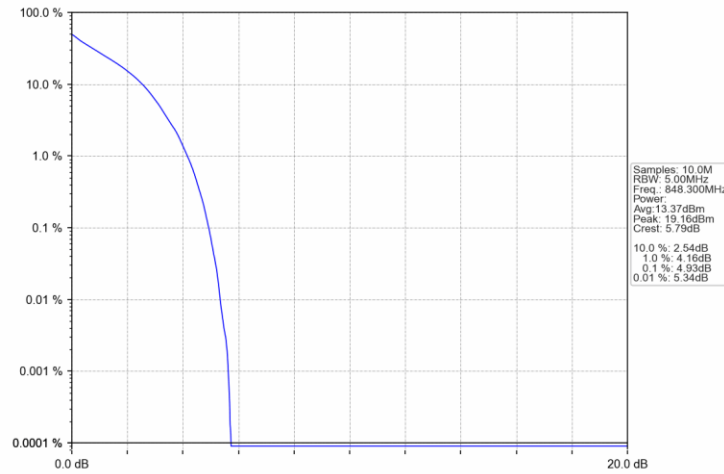
| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 829             | 50            | 0      | 5.28                    | <=13  | Pass    |
|                                   | 836.5           | 50            | 0      | 5.45                    | <=13  | Pass    |
|                                   | 844             | 50            | 0      | 5.40                    | <=13  | Pass    |
| 16QAM                             | 829             | 27            | 0      | 5.79                    | <=13  | Pass    |
|                                   | 836.5           | 27            | 0      | 6.18                    | <=13  | Pass    |
|                                   | 844             | 27            | 23     | 6.05                    | <=13  | Pass    |

## 5.2 Test Graph

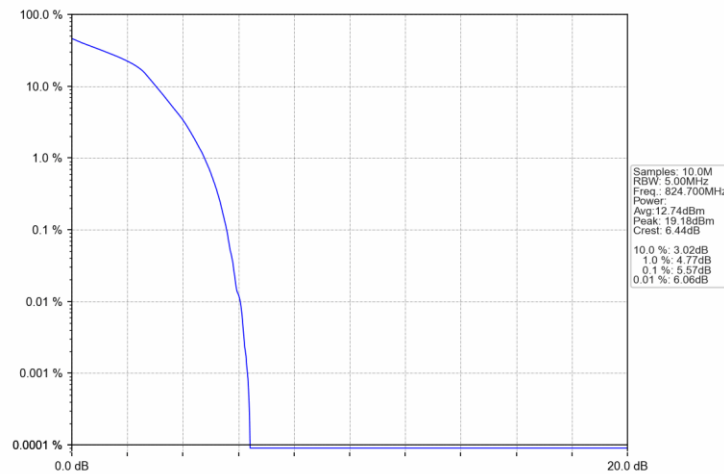
### 5.2.1 B5\_1.4MHz



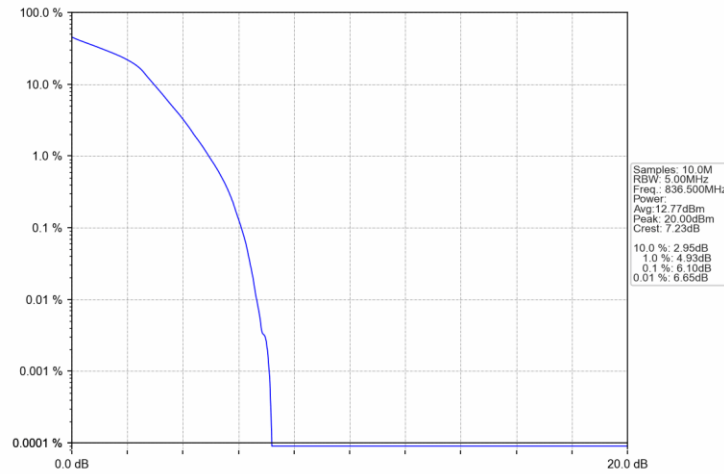
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTV



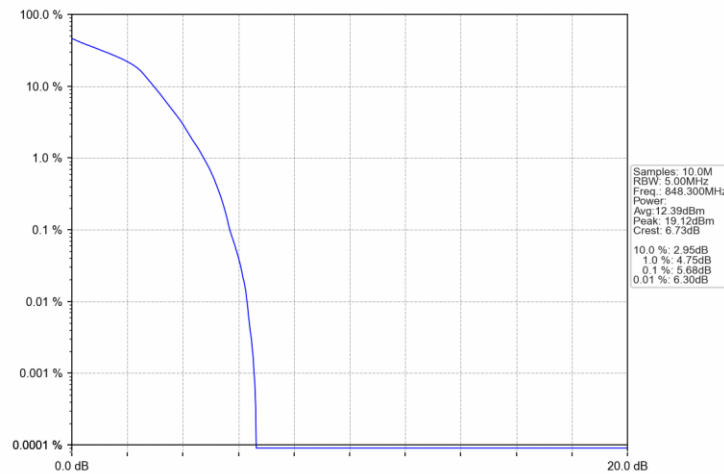
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTV



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

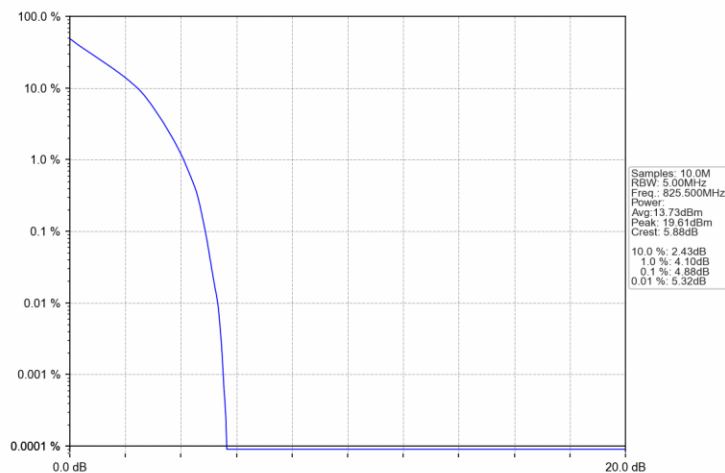


Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV

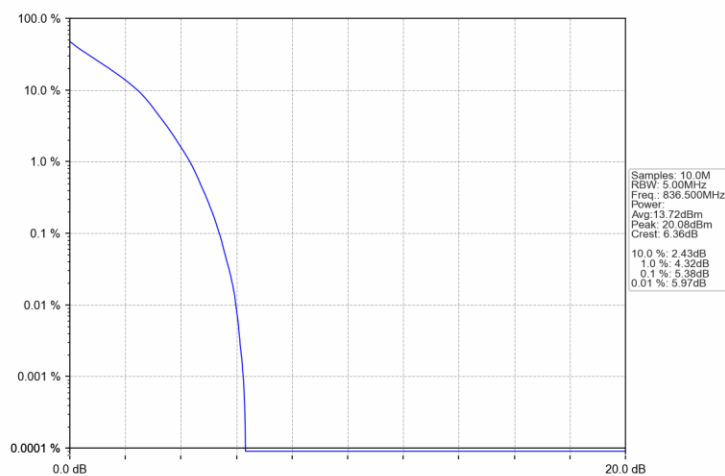


## 5.2.2 B5\_3MHz

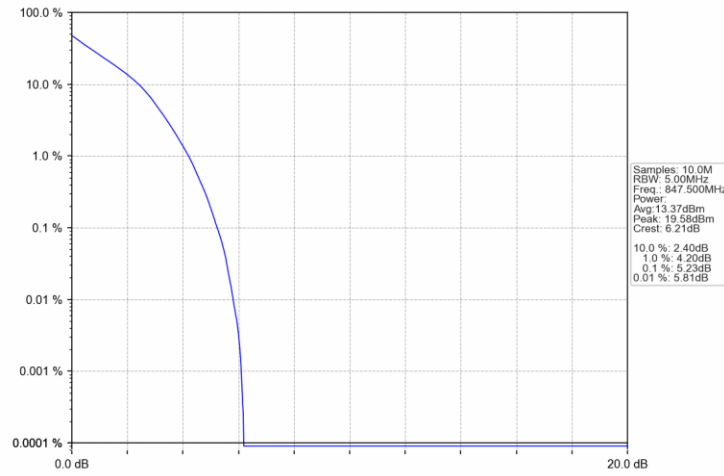
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTN



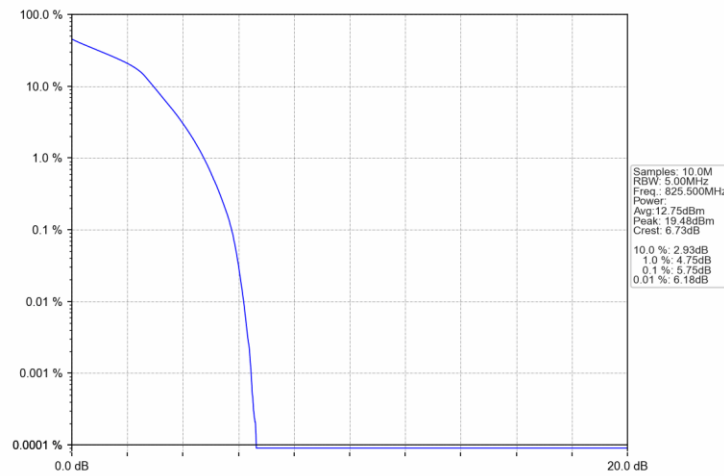
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTN



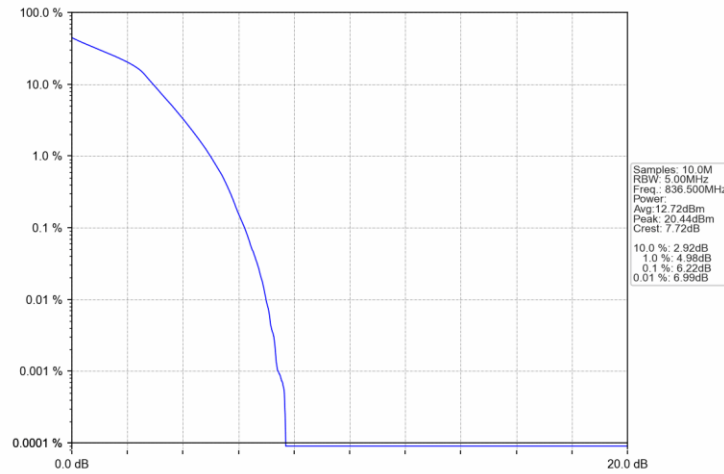
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



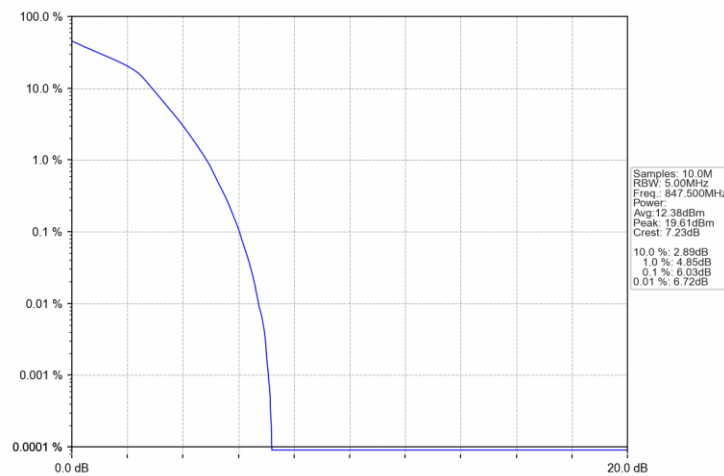
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



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

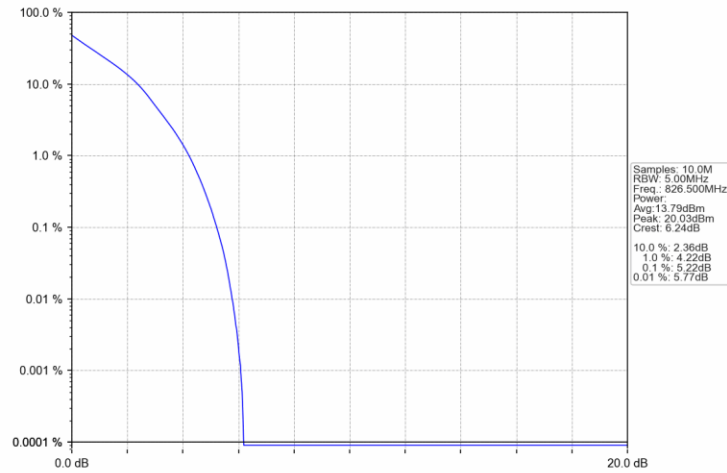


Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV

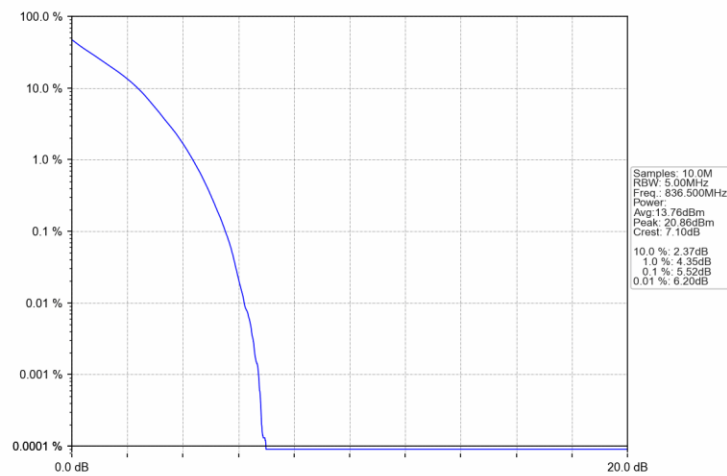


### 5.2.3 B5\_5MHz

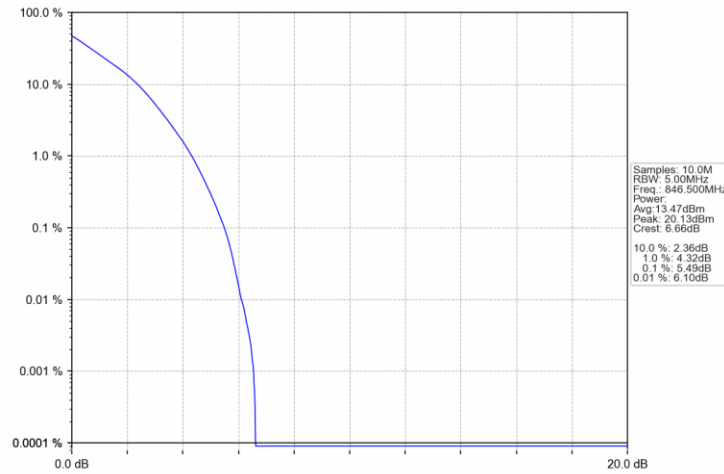
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN



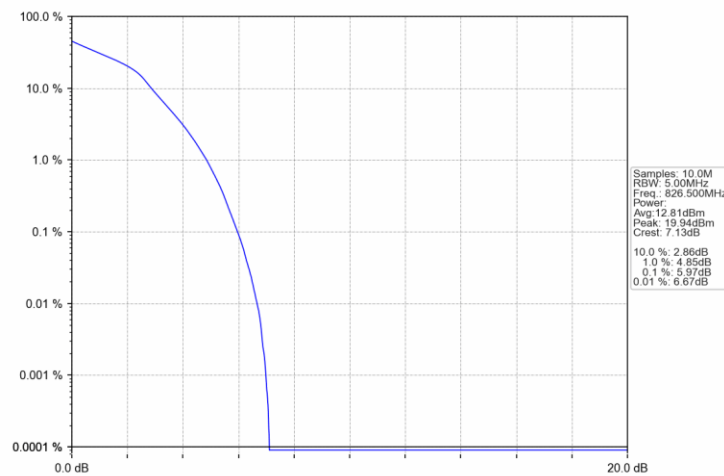
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



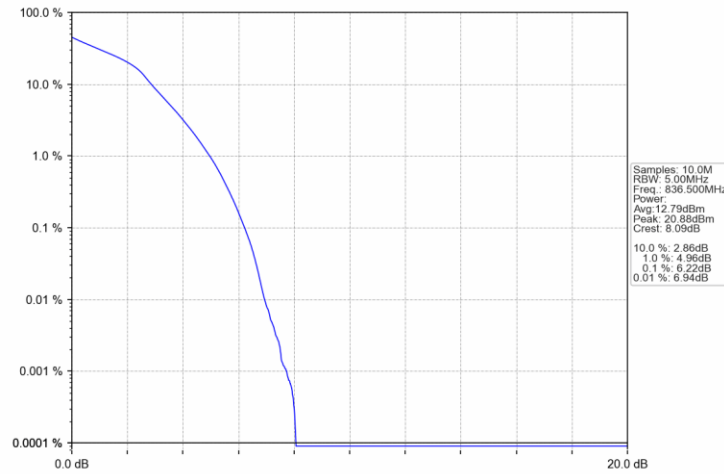
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTV



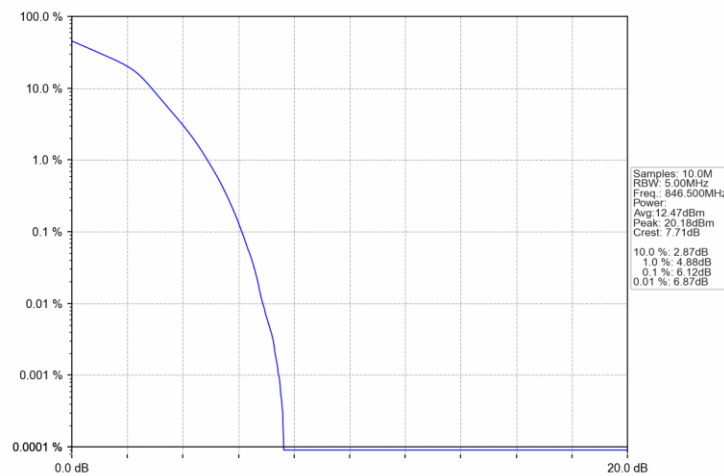
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTV



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

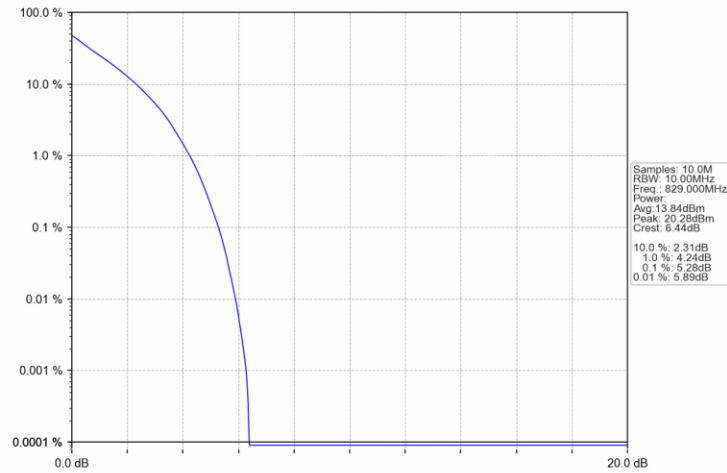


Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTV

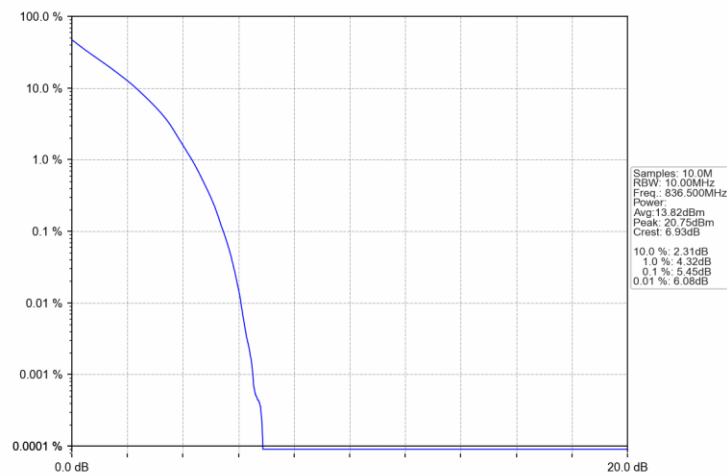


## 5.2.4 B5\_10MHz

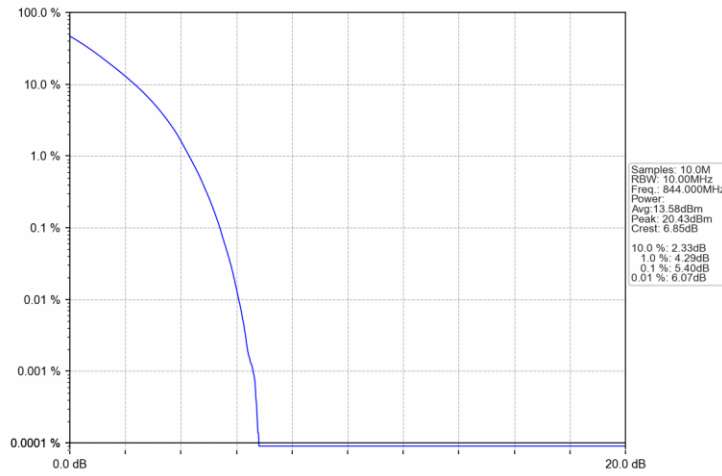
Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV



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 27 0 NTNV

