

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

### 1.1 Test Result

#### 1.1.1 B12\_1.4MHz\_ERP

| Band: 12 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                       |            |           |         |         |
|-------------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                     |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                                | 699.7           | 1             | 0      | 24.19                 | -1.58      | 20.46     | <=34.77 | Pass    |
|                                     |                 |               | 2      | 23.87                 | -1.58      | 20.14     | <=34.77 | Pass    |
|                                     |                 |               | 5      | 23.73                 | -1.58      | 20.00     | <=34.77 | Pass    |
|                                     |                 | 3             | 0      | 23.76                 | -1.58      | 20.03     | <=34.77 | Pass    |
|                                     |                 |               | 2      | 23.74                 | -1.58      | 20.01     | <=34.77 | Pass    |
|                                     |                 |               | 3      | 23.78                 | -1.58      | 20.05     | <=34.77 | Pass    |
|                                     |                 | 6             | 0      | 22.74                 | -1.58      | 19.01     | <=34.77 | Pass    |
|                                     | 707.5           | 1             | 0      | 24.14                 | -1.58      | 20.41     | <=34.77 | Pass    |
|                                     |                 |               | 2      | 23.87                 | -1.58      | 20.14     | <=34.77 | Pass    |
|                                     |                 |               | 5      | 23.63                 | -1.58      | 19.90     | <=34.77 | Pass    |
|                                     |                 | 3             | 0      | 23.80                 | -1.58      | 20.07     | <=34.77 | Pass    |
|                                     |                 |               | 2      | 23.75                 | -1.58      | 20.02     | <=34.77 | Pass    |
|                                     |                 |               | 3      | 23.79                 | -1.58      | 20.06     | <=34.77 | Pass    |
|                                     |                 | 6             | 0      | 22.76                 | -1.58      | 19.03     | <=34.77 | Pass    |
|                                     | 715.3           | 1             | 0      | 23.73                 | -1.58      | 20.00     | <=34.77 | Pass    |
|                                     |                 |               | 2      | 23.93                 | -1.58      | 20.20     | <=34.77 | Pass    |
|                                     |                 |               | 5      | 23.74                 | -1.58      | 20.01     | <=34.77 | Pass    |
|                                     |                 | 3             | 0      | 23.80                 | -1.58      | 20.07     | <=34.77 | Pass    |
|                                     |                 |               | 2      | 23.79                 | -1.58      | 20.06     | <=34.77 | Pass    |
|                                     |                 |               | 3      | 23.77                 | -1.58      | 20.04     | <=34.77 | Pass    |
|                                     |                 | 6             | 0      | 22.76                 | -1.58      | 19.03     | <=34.77 | Pass    |
| 16QAM                               | 699.7           | 1             | 0      | 23.00                 | -1.58      | 19.27     | <=34.77 | Pass    |
|                                     |                 |               | 2      | 23.17                 | -1.58      | 19.44     | <=34.77 | Pass    |
|                                     |                 |               | 5      | 22.97                 | -1.58      | 19.24     | <=34.77 | Pass    |
|                                     |                 | 3             | 0      | 22.77                 | -1.58      | 19.04     | <=34.77 | Pass    |
|                                     |                 |               | 2      | 22.76                 | -1.58      | 19.03     | <=34.77 | Pass    |
|                                     |                 |               | 3      | 22.81                 | -1.58      | 19.08     | <=34.77 | Pass    |
|                                     |                 | 6             | 0      | 21.71                 | -1.58      | 17.98     | <=34.77 | Pass    |
|                                     | 707.5           | 1             | 0      | 22.68                 | -1.58      | 18.95     | <=34.77 | Pass    |
|                                     |                 |               | 2      | 22.85                 | -1.58      | 19.12     | <=34.77 | Pass    |
|                                     |                 |               | 5      | 22.67                 | -1.58      | 18.94     | <=34.77 | Pass    |
|                                     |                 | 3             | 0      | 22.88                 | -1.58      | 19.15     | <=34.77 | Pass    |
|                                     |                 |               | 2      | 22.80                 | -1.58      | 19.07     | <=34.77 | Pass    |
|                                     |                 |               | 3      | 22.85                 | -1.58      | 19.12     | <=34.77 | Pass    |
|                                     |                 | 6             | 0      | 21.81                 | -1.58      | 18.08     | <=34.77 | Pass    |
|                                     | 715.3           | 1             | 0      | 23.01                 | -1.58      | 19.28     | <=34.77 | Pass    |
|                                     |                 |               | 2      | 23.22                 | -1.58      | 19.49     | <=34.77 | Pass    |
|                                     |                 |               | 5      | 22.98                 | -1.58      | 19.25     | <=34.77 | Pass    |
|                                     |                 | 3             | 0      | 22.84                 | -1.58      | 19.11     | <=34.77 | Pass    |
|                                     |                 |               | 2      | 22.77                 | -1.58      | 19.04     | <=34.77 | Pass    |
|                                     |                 |               | 3      | 22.88                 | -1.58      | 19.15     | <=34.77 | Pass    |
|                                     |                 | 6             | 0      | 21.80                 | -1.58      | 18.07     | <=34.77 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

### 1.1.2 B12\_3MHz\_ERP

| Band: 12 / Bandwidth: 3MHz / NTN |                 |               |        |                       |            |           |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                             | 700.5           | 1             | 0      | 23.66                 | -1.58      | 19.93     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 23.57                 | -1.58      | 19.84     | <=34.77 | Pass    |
|                                  |                 |               | 14     | 23.69                 | -1.58      | 19.96     | <=34.77 | Pass    |
|                                  |                 | 8             | 0      | 22.68                 | -1.58      | 18.95     | <=34.77 | Pass    |
|                                  |                 |               | 4      | 22.76                 | -1.58      | 19.03     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 22.70                 | -1.58      | 18.97     | <=34.77 | Pass    |
|                                  |                 | 15            | 0      | 22.68                 | -1.58      | 18.95     | <=34.77 | Pass    |
|                                  | 707.5           | 1             | 0      | 23.76                 | -1.58      | 20.03     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 23.61                 | -1.58      | 19.88     | <=34.77 | Pass    |
|                                  |                 |               | 14     | 23.76                 | -1.58      | 20.03     | <=34.77 | Pass    |
|                                  |                 | 8             | 0      | 22.72                 | -1.58      | 18.99     | <=34.77 | Pass    |
|                                  |                 |               | 4      | 22.76                 | -1.58      | 19.03     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 22.73                 | -1.58      | 19.00     | <=34.77 | Pass    |
|                                  |                 | 15            | 0      | 22.68                 | -1.58      | 18.95     | <=34.77 | Pass    |
|                                  | 714.5           | 1             | 0      | 23.78                 | -1.58      | 20.05     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 23.75                 | -1.58      | 20.02     | <=34.77 | Pass    |
|                                  |                 |               | 14     | 23.88                 | -1.58      | 20.15     | <=34.77 | Pass    |
|                                  |                 | 8             | 0      | 22.71                 | -1.58      | 18.98     | <=34.77 | Pass    |
|                                  |                 |               | 4      | 22.77                 | -1.58      | 19.04     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 22.71                 | -1.58      | 18.98     | <=34.77 | Pass    |
|                                  |                 | 15            | 0      | 22.69                 | -1.58      | 18.96     | <=34.77 | Pass    |
| 16QAM                            | 700.5           | 1             | 0      | 22.67                 | -1.58      | 18.94     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 22.56                 | -1.58      | 18.83     | <=34.77 | Pass    |
|                                  |                 |               | 14     | 22.75                 | -1.58      | 19.02     | <=34.77 | Pass    |
|                                  |                 | 8             | 0      | 21.66                 | -1.58      | 17.93     | <=34.77 | Pass    |
|                                  |                 |               | 4      | 21.72                 | -1.58      | 17.99     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 21.66                 | -1.58      | 17.93     | <=34.77 | Pass    |
|                                  |                 | 15            | 0      | 21.61                 | -1.58      | 17.88     | <=34.77 | Pass    |
|                                  | 707.5           | 1             | 0      | 23.10                 | -1.58      | 19.37     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 22.94                 | -1.58      | 19.21     | <=34.77 | Pass    |
|                                  |                 |               | 14     | 23.08                 | -1.58      | 19.35     | <=34.77 | Pass    |
|                                  |                 | 8             | 0      | 21.78                 | -1.58      | 18.05     | <=34.77 | Pass    |
|                                  |                 |               | 4      | 21.86                 | -1.58      | 18.13     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 21.75                 | -1.58      | 18.02     | <=34.77 | Pass    |
|                                  |                 | 15            | 0      | 21.75                 | -1.58      | 18.02     | <=34.77 | Pass    |
|                                  | 714.5           | 1             | 0      | 22.69                 | -1.58      | 18.96     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 22.56                 | -1.58      | 18.83     | <=34.77 | Pass    |
|                                  |                 |               | 14     | 22.63                 | -1.58      | 18.90     | <=34.77 | Pass    |
|                                  |                 | 8             | 0      | 21.73                 | -1.58      | 18.00     | <=34.77 | Pass    |
|                                  |                 |               | 4      | 21.79                 | -1.58      | 18.06     | <=34.77 | Pass    |
|                                  |                 |               | 7      | 21.73                 | -1.58      | 18.00     | <=34.77 | Pass    |
|                                  |                 | 15            | 0      | 21.78                 | -1.58      | 18.05     | <=34.77 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

### 1.1.3 B12\_5MHz\_ERP

| Band: 12 / Bandwidth: 5MHz / NTN |                 |               |        |                       |            |           |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                             | 701.5           | 1             | 0      | 23.51                 | -1.58      | 19.78     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 23.67                 | -1.58      | 19.94     | <=34.77 | Pass    |
|                                  |                 |               | 24     | 23.63                 | -1.58      | 19.90     | <=34.77 | Pass    |
|                                  |                 | 12            | 0      | 22.71                 | -1.58      | 18.98     | <=34.77 | Pass    |
|                                  |                 |               | 6      | 22.76                 | -1.58      | 19.03     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 22.71                 | -1.58      | 18.98     | <=34.77 | Pass    |
|                                  |                 | 25            | 0      | 22.72                 | -1.58      | 18.99     | <=34.77 | Pass    |
|                                  | 707.5           | 1             | 0      | 23.60                 | -1.58      | 19.87     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 23.69                 | -1.58      | 19.96     | <=34.77 | Pass    |
|                                  |                 |               | 24     | 23.63                 | -1.58      | 19.90     | <=34.77 | Pass    |
|                                  |                 | 12            | 0      | 22.67                 | -1.58      | 18.94     | <=34.77 | Pass    |
|                                  |                 |               | 6      | 22.75                 | -1.58      | 19.02     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 22.77                 | -1.58      | 19.04     | <=34.77 | Pass    |
|                                  |                 | 25            | 0      | 22.71                 | -1.58      | 18.98     | <=34.77 | Pass    |
|                                  | 713.5           | 1             | 0      | 23.60                 | -1.58      | 19.87     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 23.73                 | -1.58      | 20.00     | <=34.77 | Pass    |
|                                  |                 |               | 24     | 23.64                 | -1.58      | 19.91     | <=34.77 | Pass    |
|                                  |                 | 12            | 0      | 22.79                 | -1.58      | 19.06     | <=34.77 | Pass    |
|                                  |                 |               | 6      | 22.77                 | -1.58      | 19.04     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 22.67                 | -1.58      | 18.94     | <=34.77 | Pass    |
|                                  |                 | 25            | 0      | 22.73                 | -1.58      | 19.00     | <=34.77 | Pass    |
| 16QAM                            | 701.5           | 1             | 0      | 22.63                 | -1.58      | 18.90     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 22.82                 | -1.58      | 19.09     | <=34.77 | Pass    |
|                                  |                 |               | 24     | 22.80                 | -1.58      | 19.07     | <=34.77 | Pass    |
|                                  |                 | 12            | 0      | 21.69                 | -1.58      | 17.96     | <=34.77 | Pass    |
|                                  |                 |               | 6      | 21.75                 | -1.58      | 18.02     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 21.69                 | -1.58      | 17.96     | <=34.77 | Pass    |
|                                  |                 | 25            | 0      | 21.68                 | -1.58      | 17.95     | <=34.77 | Pass    |
|                                  | 707.5           | 1             | 0      | 22.57                 | -1.58      | 18.84     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 22.66                 | -1.58      | 18.93     | <=34.77 | Pass    |
|                                  |                 |               | 24     | 22.56                 | -1.58      | 18.83     | <=34.77 | Pass    |
|                                  |                 | 12            | 0      | 21.73                 | -1.58      | 18.00     | <=34.77 | Pass    |
|                                  |                 |               | 6      | 21.81                 | -1.58      | 18.08     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 21.81                 | -1.58      | 18.08     | <=34.77 | Pass    |
|                                  |                 | 25            | 0      | 21.81                 | -1.58      | 18.08     | <=34.77 | Pass    |
|                                  | 713.5           | 1             | 0      | 23.03                 | -1.58      | 19.30     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 23.14                 | -1.58      | 19.41     | <=34.77 | Pass    |
|                                  |                 |               | 24     | 23.00                 | -1.58      | 19.27     | <=34.77 | Pass    |
|                                  |                 | 12            | 0      | 21.78                 | -1.58      | 18.05     | <=34.77 | Pass    |
|                                  |                 |               | 6      | 21.78                 | -1.58      | 18.05     | <=34.77 | Pass    |
|                                  |                 |               | 13     | 21.69                 | -1.58      | 17.96     | <=34.77 | Pass    |
|                                  |                 | 25            | 0      | 21.78                 | -1.58      | 18.05     | <=34.77 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

### 1.1.4 B12\_10MHz\_ERP

| Band: 12 / Bandwidth: 10MHz / NTNV |                 |               |        |                       |            |           |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                               | 704             | 1             | 0      | 23.56                 | -1.58      | 19.83     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 23.76                 | -1.58      | 20.03     | <=34.77 | Pass    |
|                                    |                 |               | 49     | 23.66                 | -1.58      | 19.93     | <=34.77 | Pass    |
|                                    |                 | 25            | 0      | 22.84                 | -1.58      | 19.11     | <=34.77 | Pass    |
|                                    |                 |               | 13     | 22.78                 | -1.58      | 19.05     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 22.87                 | -1.58      | 19.14     | <=34.77 | Pass    |
|                                    |                 | 50            | 0      | 22.82                 | -1.58      | 19.09     | <=34.77 | Pass    |
|                                    |                 |               | 0      | 23.65                 | -1.58      | 19.92     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 23.82                 | -1.58      | 20.09     | <=34.77 | Pass    |
|                                    | 707.5           | 1             | 49     | 23.81                 | -1.58      | 20.08     | <=34.77 | Pass    |
|                                    |                 |               | 0      | 22.79                 | -1.58      | 19.06     | <=34.77 | Pass    |
|                                    |                 |               | 13     | 22.74                 | -1.58      | 19.01     | <=34.77 | Pass    |
|                                    |                 | 25            | 25     | 22.80                 | -1.58      | 19.07     | <=34.77 | Pass    |
|                                    |                 |               | 0      | 22.79                 | -1.58      | 19.06     | <=34.77 | Pass    |
|                                    |                 |               | 0      | 23.68                 | -1.58      | 19.95     | <=34.77 | Pass    |
|                                    |                 | 50            | 25     | 23.88                 | -1.58      | 20.15     | <=34.77 | Pass    |
|                                    |                 |               | 49     | 23.84                 | -1.58      | 20.11     | <=34.77 | Pass    |
|                                    |                 |               | 0      | 22.68                 | -1.58      | 18.95     | <=34.77 | Pass    |
| 16QAM                              | 704             | 1             | 13     | 22.77                 | -1.58      | 19.04     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 22.62                 | -1.58      | 18.89     | <=34.77 | Pass    |
|                                    |                 |               | 0      | 22.67                 | -1.58      | 18.94     | <=34.77 | Pass    |
|                                    |                 | 25            | 0      | 22.62                 | -1.58      | 18.89     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 22.82                 | -1.58      | 19.09     | <=34.77 | Pass    |
|                                    |                 |               | 49     | 22.70                 | -1.58      | 18.97     | <=34.77 | Pass    |
|                                    |                 | 50            | 0      | 21.87                 | -1.58      | 18.14     | <=34.77 | Pass    |
|                                    |                 |               | 13     | 21.84                 | -1.58      | 18.11     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 21.89                 | -1.58      | 18.16     | <=34.77 | Pass    |
|                                    | 707.5           | 1             | 0      | 21.84                 | -1.58      | 18.11     | <=34.77 | Pass    |
|                                    |                 |               | 0      | 23.06                 | -1.58      | 19.33     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 23.12                 | -1.58      | 19.39     | <=34.77 | Pass    |
|                                    |                 | 25            | 49     | 23.13                 | -1.58      | 19.40     | <=34.77 | Pass    |
|                                    |                 |               | 0      | 21.80                 | -1.58      | 18.07     | <=34.77 | Pass    |
|                                    |                 |               | 13     | 21.80                 | -1.58      | 18.07     | <=34.77 | Pass    |
|                                    |                 | 50            | 25     | 21.79                 | -1.58      | 18.06     | <=34.77 | Pass    |
|                                    |                 |               | 0      | 21.81                 | -1.58      | 18.08     | <=34.77 | Pass    |
|                                    |                 |               | 0      | 22.61                 | -1.58      | 18.88     | <=34.77 | Pass    |
|                                    | 711             | 1             | 25     | 22.71                 | -1.58      | 18.98     | <=34.77 | Pass    |
|                                    |                 |               | 49     | 22.65                 | -1.58      | 18.92     | <=34.77 | Pass    |
|                                    |                 |               | 0      | 21.74                 | -1.58      | 18.01     | <=34.77 | Pass    |
|                                    |                 | 25            | 13     | 21.82                 | -1.58      | 18.09     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 21.74                 | -1.58      | 18.01     | <=34.77 | Pass    |
|                                    |                 |               | 0      | 21.69                 | -1.58      | 17.96     | <=34.77 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B12\_1.4MHz

| Band: 12 / 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                         | 699.7           | 6             | 0      | 20         | 3.27          | -7.911           | -0.0113               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 3.85          | -9.613           | -0.0137               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 4.43          | -3.333           | -0.0048               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -30        | 3.85          | 0.286            | 0.0004                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -20        | 3.85          | -2.918           | -0.0042               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -10        | 3.85          | -2.017           | -0.0029               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 0          | 3.85          | -5.736           | -0.0082               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 10         | 3.85          | -6.952           | -0.0099               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 30         | 3.85          | -6.680           | -0.0095               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 40         | 3.85          | 0.043            | 0.0001                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 50         | 3.85          | -5.779           | -0.0083               | -2.5 to 2.5 | Pass    |
|                              | 707.5           | 6             | 0      | 20         | 3.27          | -6.666           | -0.0094               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 3.85          | -4.764           | -0.0067               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 4.43          | -6.394           | -0.0090               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -30        | 3.85          | -0.830           | -0.0012               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -20        | 3.85          | -4.864           | -0.0069               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -10        | 3.85          | -3.104           | -0.0044               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 0          | 3.85          | -2.546           | -0.0036               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 10         | 3.85          | -7.424           | -0.0105               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 30         | 3.85          | -5.608           | -0.0079               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 40         | 3.85          | -8.583           | -0.0121               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 50         | 3.85          | -3.662           | -0.0052               | -2.5 to 2.5 | Pass    |
|                              | 715.3           | 6             | 0      | 20         | 3.27          | -3.705           | -0.0052               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 3.85          | -6.351           | -0.0089               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 4.43          | -3.333           | -0.0047               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -30        | 3.85          | -10.657          | -0.0149               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -20        | 3.85          | -6.852           | -0.0096               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -10        | 3.85          | -9.198           | -0.0129               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 0          | 3.85          | -6.094           | -0.0085               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 10         | 3.85          | -4.363           | -0.0061               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 30         | 3.85          | -5.136           | -0.0072               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 40         | 3.85          | -11.230          | -0.0157               | -2.5 to 2.5 | Pass    |
| 16QAM                        | 699.7           | 6             | 0      | 20         | 3.27          | -2.933           | -0.0042               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 3.85          | -7.839           | -0.0112               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 4.43          | -1.416           | -0.0020               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -30        | 3.85          | -7.725           | -0.0110               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -20        | 3.85          | -2.990           | -0.0043               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -10        | 3.85          | -6.065           | -0.0087               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 0          | 3.85          | -6.852           | -0.0098               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 10         | 3.85          | -5.922           | -0.0085               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 30         | 3.85          | -4.821           | -0.0069               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 40         | 3.85          | -8.011           | -0.0114               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 50         | 3.85          | -3.233           | -0.0046               | -2.5 to 2.5 | Pass    |
|                              | 707.5           | 6             | 0      | 20         | 3.27          | -6.838           | -0.0097               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 3.85          | -8.383           | -0.0118               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 4.43          | -4.363           | -0.0062               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -30        | 3.85          | -4.678           | -0.0066               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -20        | 3.85          | -4.649           | -0.0066               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -10        | 3.85          | -5.808           | -0.0082               | -2.5 to 2.5 | Pass    |

|  |       |   |   |     |      |        |         |             |      |
|--|-------|---|---|-----|------|--------|---------|-------------|------|
|  |       |   |   | 0   | 3.85 | -6.523 | -0.0092 | -2.5 to 2.5 | Pass |
|  |       |   |   | 10  | 3.85 | -0.429 | -0.0006 | -2.5 to 2.5 | Pass |
|  |       |   |   | 30  | 3.85 | -5.951 | -0.0084 | -2.5 to 2.5 | Pass |
|  |       |   |   | 40  | 3.85 | -4.020 | -0.0057 | -2.5 to 2.5 | Pass |
|  |       |   |   | 50  | 3.85 | -6.738 | -0.0095 | -2.5 to 2.5 | Pass |
|  | 715.3 | 6 | 0 | 20  | 3.27 | -5.865 | -0.0082 | -2.5 to 2.5 | Pass |
|  |       |   |   |     | 3.85 | -4.964 | -0.0069 | -2.5 to 2.5 | Pass |
|  |       |   |   |     | 4.43 | -2.389 | -0.0033 | -2.5 to 2.5 | Pass |
|  |       |   |   | -30 | 3.85 | -6.781 | -0.0095 | -2.5 to 2.5 | Pass |
|  |       |   |   | -20 | 3.85 | -6.022 | -0.0084 | -2.5 to 2.5 | Pass |
|  |       |   |   | -10 | 3.85 | -7.067 | -0.0099 | -2.5 to 2.5 | Pass |
|  |       |   |   | 0   | 3.85 | -7.596 | -0.0106 | -2.5 to 2.5 | Pass |
|  |       |   |   | 10  | 3.85 | -4.005 | -0.0056 | -2.5 to 2.5 | Pass |
|  |       |   |   | 30  | 3.85 | -7.925 | -0.0111 | -2.5 to 2.5 | Pass |
|  |       |   |   | 40  | 3.85 | -2.475 | -0.0035 | -2.5 to 2.5 | Pass |
|  |       |   |   | 50  | 3.85 | -5.436 | -0.0076 | -2.5 to 2.5 | Pass |

## 2.1.2 B12\_3MHz

| Band: 12 / Bandwidth: 3MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 700.5           | 15            | 0      | 20         | 3.27          | -10.314          | -0.0147               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -5.679           | -0.0081               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -11.559          | -0.0165               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -4.091           | -0.0058               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -8.783           | -0.0125               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -6.952           | -0.0099               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -5.708           | -0.0081               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -8.640           | -0.0123               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -5.393           | -0.0077               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -7.195           | -0.0103               | -2.5 to 2.5 | Pass    |
|                            | 707.5           | 15            | 0      | 20         | 3.27          | -4.563           | -0.0064               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -4.921           | -0.0070               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -3.448           | -0.0049               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -6.838           | -0.0097               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -3.877           | -0.0055               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -4.506           | -0.0064               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -4.563           | -0.0064               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -7.195           | -0.0102               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -7.324           | -0.0104               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -5.522           | -0.0078               | -2.5 to 2.5 | Pass    |
|                            | 714.5           | 15            | 0      | 20         | 3.27          | -10.057          | -0.0141               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -9.456           | -0.0132               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -7.825           | -0.0110               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -7.696           | -0.0108               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -3.519           | -0.0049               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -8.984           | -0.0126               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -7.868           | -0.0110               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -8.283           | -0.0116               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -5.293           | -0.0074               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -3.433           | -0.0048               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 700.5           | 15            | 0      | 20         | 3.27          | -8.898           | -0.0127               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -1.616           | -0.0023               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -3.619           | -0.0052               | -2.5 to 2.5 | Pass    |

|  |       |    |   |     |      |         |         |             |      |
|--|-------|----|---|-----|------|---------|---------|-------------|------|
|  |       |    |   | -30 | 3.85 | -11.072 | -0.0158 | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | -7.238  | -0.0103 | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | -4.563  | -0.0065 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -7.968  | -0.0114 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -8.755  | -0.0125 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -3.934  | -0.0056 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -7.324  | -0.0105 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -4.692  | -0.0067 | -2.5 to 2.5 | Pass |
|  | 707.5 | 15 | 0 | 20  | 3.27 | -4.821  | -0.0068 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 3.85 | -2.990  | -0.0042 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.43 | -2.689  | -0.0038 | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.85 | -7.339  | -0.0104 | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | -8.454  | -0.0119 | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | -6.595  | -0.0093 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -3.920  | -0.0055 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -6.008  | -0.0085 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -6.580  | -0.0093 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -3.848  | -0.0054 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -5.193  | -0.0073 | -2.5 to 2.5 | Pass |
|  | 714.5 | 15 | 0 | 20  | 3.27 | -8.469  | -0.0119 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 3.85 | -8.912  | -0.0125 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.43 | -6.495  | -0.0091 | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.85 | -8.883  | -0.0124 | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | -5.808  | -0.0081 | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | -4.892  | -0.0068 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -8.297  | -0.0116 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -8.268  | -0.0116 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -11.830 | -0.0166 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -10.371 | -0.0145 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -1.173  | -0.0016 | -2.5 to 2.5 | Pass |

### 2.1.3 B12\_5MHz

| Band: 12 / Bandwidth: 5MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 701.5           | 25            | 0      | 20         | 3.27          | -4.463           | -0.0064               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -9.055           | -0.0129               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -5.665           | -0.0081               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -2.317           | -0.0033               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -1.802           | -0.0026               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -5.093           | -0.0073               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -6.695           | -0.0095               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -6.437           | -0.0092               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -5.922           | -0.0084               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -3.905           | -0.0056               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -5.708           | -0.0081               | -2.5 to 2.5 | Pass    |
|                            | 707.5           | 25            | 0      | 20         | 3.27          | -3.376           | -0.0048               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -3.862           | -0.0055               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -7.167           | -0.0101               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -6.866           | -0.0097               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -6.752           | -0.0095               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -3.419           | -0.0048               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -2.446           | -0.0035               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -3.777           | -0.0053               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -1.960           | -0.0028               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -6.137           | -0.0087               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -1.874           | -0.0026               | -2.5 to 2.5 | Pass    |

|       |       |    |   |     |      |         |         |             |      |
|-------|-------|----|---|-----|------|---------|---------|-------------|------|
|       | 713.5 | 25 | 0 | 20  | 3.27 | -7.453  | -0.0104 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -2.818  | -0.0039 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -1.202  | -0.0017 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -8.483  | -0.0119 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -3.419  | -0.0048 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -4.892  | -0.0069 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -4.292  | -0.0060 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -5.493  | -0.0077 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -2.775  | -0.0039 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -3.805  | -0.0053 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -5.736  | -0.0080 | -2.5 to 2.5 | Pass |
| 16QAM | 701.5 | 25 | 0 | 20  | 3.27 | -2.904  | -0.0041 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -6.709  | -0.0096 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -1.688  | -0.0024 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -5.493  | -0.0078 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -6.537  | -0.0093 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -6.022  | -0.0086 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -4.063  | -0.0058 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -1.788  | -0.0025 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -3.819  | -0.0054 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -0.172  | -0.0002 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -3.247  | -0.0046 | -2.5 to 2.5 | Pass |
|       | 707.5 | 25 | 0 | 20  | 3.27 | -3.004  | -0.0042 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -1.745  | -0.0025 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -3.819  | -0.0054 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -4.063  | -0.0057 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -3.719  | -0.0053 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -8.769  | -0.0124 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -6.437  | -0.0091 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -6.967  | -0.0098 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -12.159 | -0.0172 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -3.319  | -0.0047 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -2.246  | -0.0032 | -2.5 to 2.5 | Pass |
|       | 713.5 | 25 | 0 | 20  | 3.27 | -3.719  | -0.0052 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -6.166  | -0.0086 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -5.765  | -0.0081 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -7.253  | -0.0102 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -3.419  | -0.0048 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -6.123  | -0.0086 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -2.446  | -0.0034 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -9.799  | -0.0137 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -3.104  | -0.0044 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -5.093  | -0.0071 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -7.153  | -0.0100 | -2.5 to 2.5 | Pass |

#### 2.1.4 B12\_10MHz

| Band: 12 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 704             | 50            | 0      | 20         | 3.27          | -3.490           | -0.0050               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -3.419           | -0.0049               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -6.952           | -0.0099               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -3.877           | -0.0055               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -1.974           | -0.0028               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -6.280           | -0.0089               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -5.364           | -0.0076               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -8.726           | -0.0124               | -2.5 to 2.5 | Pass    |

|       |       |    |   |     |      |         |         |             |      |
|-------|-------|----|---|-----|------|---------|---------|-------------|------|
|       |       |    |   | 30  | 3.85 | -5.279  | -0.0075 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -8.297  | -0.0118 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -4.864  | -0.0069 | -2.5 to 2.5 | Pass |
|       | 707.5 | 50 | 0 | 20  | 3.27 | -9.484  | -0.0134 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -5.794  | -0.0082 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -3.734  | -0.0053 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -2.561  | -0.0036 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -4.663  | -0.0066 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -4.592  | -0.0065 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -7.439  | -0.0105 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -8.254  | -0.0117 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -6.981  | -0.0099 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -4.249  | -0.0060 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -5.894  | -0.0083 | -2.5 to 2.5 | Pass |
|       | 711   | 50 | 0 | 20  | 3.27 | -5.307  | -0.0075 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -8.612  | -0.0121 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -5.050  | -0.0071 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -5.193  | -0.0073 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -4.134  | -0.0058 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -10.185 | -0.0143 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -7.982  | -0.0112 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -5.107  | -0.0072 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -5.951  | -0.0084 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -9.027  | -0.0127 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -4.878  | -0.0069 | -2.5 to 2.5 | Pass |
| 16QAM | 704   | 50 | 0 | 20  | 3.27 | -5.822  | -0.0083 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -3.905  | -0.0055 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -5.322  | -0.0076 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -9.098  | -0.0129 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -7.310  | -0.0104 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -7.739  | -0.0110 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -8.254  | -0.0117 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -5.250  | -0.0075 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -1.974  | -0.0028 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -7.896  | -0.0112 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -5.493  | -0.0078 | -2.5 to 2.5 | Pass |
|       | 707.5 | 50 | 0 | 20  | 3.27 | -3.920  | -0.0055 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -6.523  | -0.0092 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -6.351  | -0.0090 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -1.431  | -0.0020 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -2.818  | -0.0040 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -0.858  | -0.0012 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -5.622  | -0.0079 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -5.794  | -0.0082 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -3.905  | -0.0055 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -4.578  | -0.0065 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -5.193  | -0.0073 | -2.5 to 2.5 | Pass |
|       | 711   | 50 | 0 | 20  | 3.27 | -3.333  | -0.0047 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -3.562  | -0.0050 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -4.792  | -0.0067 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -4.034  | -0.0057 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -5.479  | -0.0077 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -3.548  | -0.0050 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -5.879  | -0.0083 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -4.063  | -0.0057 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -3.791  | -0.0053 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -3.948  | -0.0056 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -1.760  | -0.0025 | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

##### 3.1.1 B12\_1.4MHz

| Band: 12 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                            |       |         |
|-------------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                     |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                                | 707.5           | 6             | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                               | 707.5           | 6             | 0      | Refer To Test Graph        |       | Pass    |

##### 3.1.2 B12\_3MHz

| Band: 12 / Bandwidth: 3MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 707.5           | 15            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 707.5           | 15            | 0      | Refer To Test Graph        |       | Pass    |

##### 3.1.3 B12\_5MHz

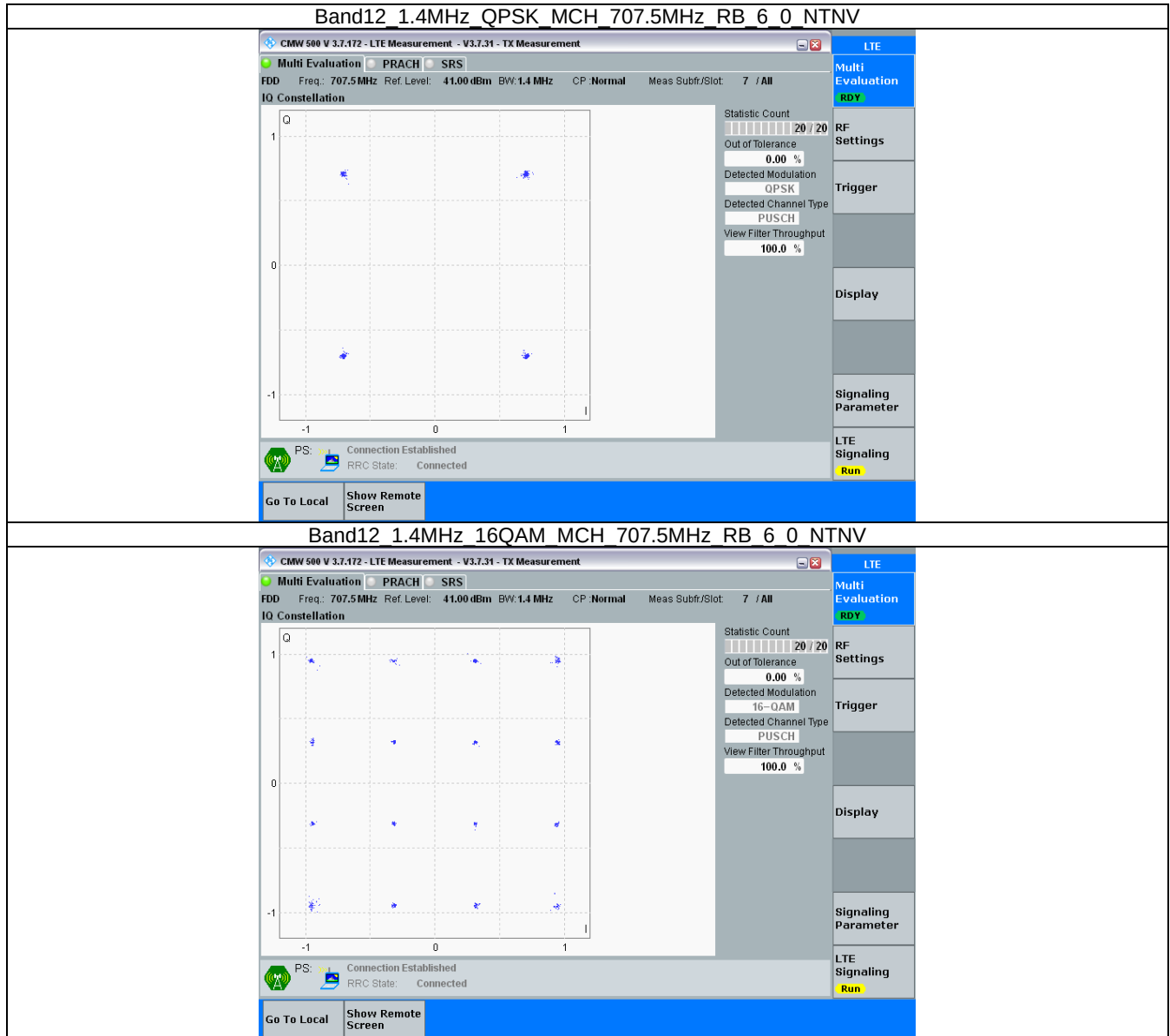
| Band: 12 / Bandwidth: 5MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 707.5           | 25            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 707.5           | 25            | 0      | Refer To Test Graph        |       | Pass    |

##### 3.1.4 B12\_10MHz

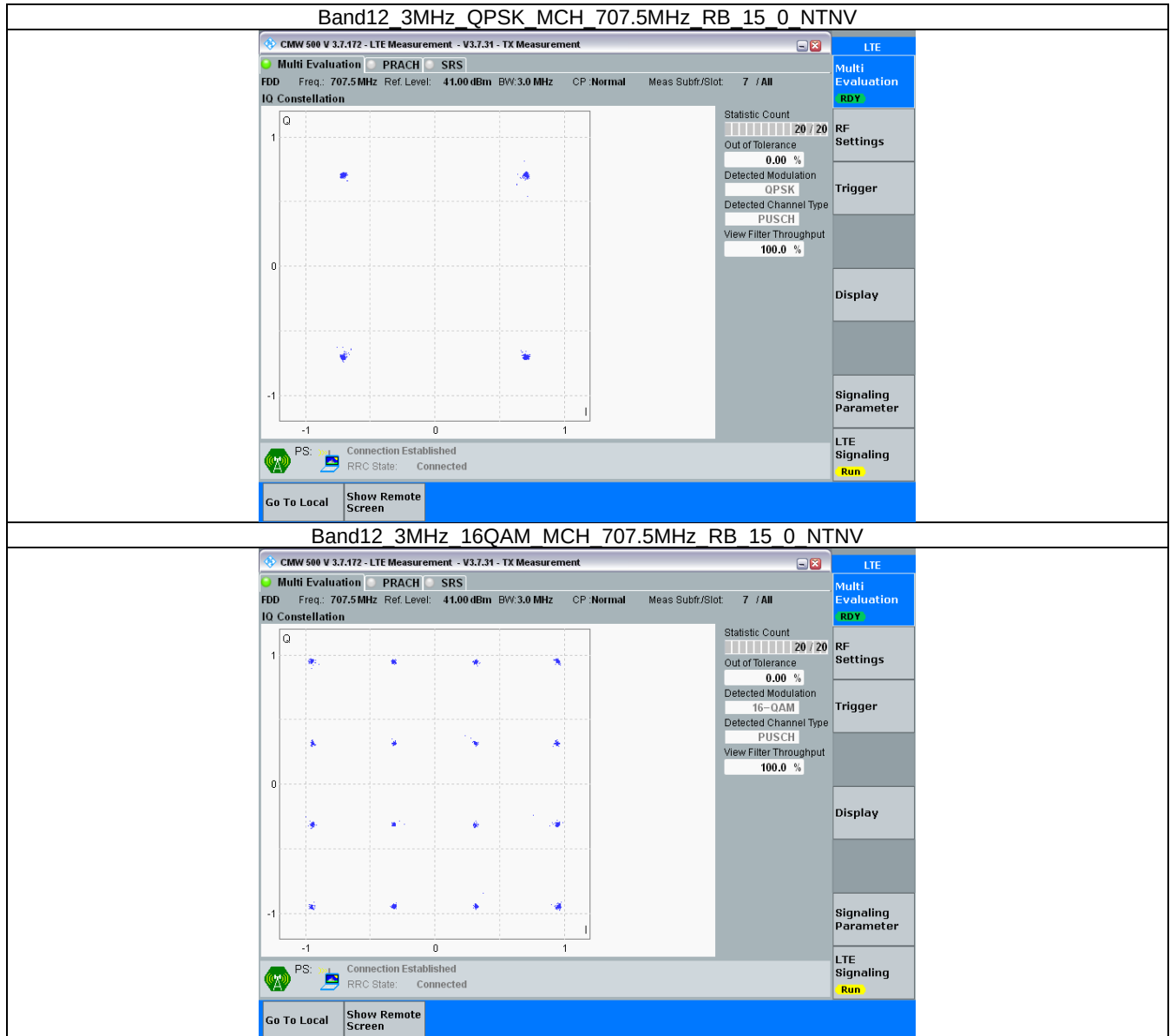
| Band: 12 / Bandwidth: 10MHz / NTNV |                 |               |        |                            |       |         |
|------------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                    |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                               | 707.5           | 50            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                              | 707.5           | 50            | 0      | Refer To Test Graph        |       | Pass    |

## 3.2 Test Graph

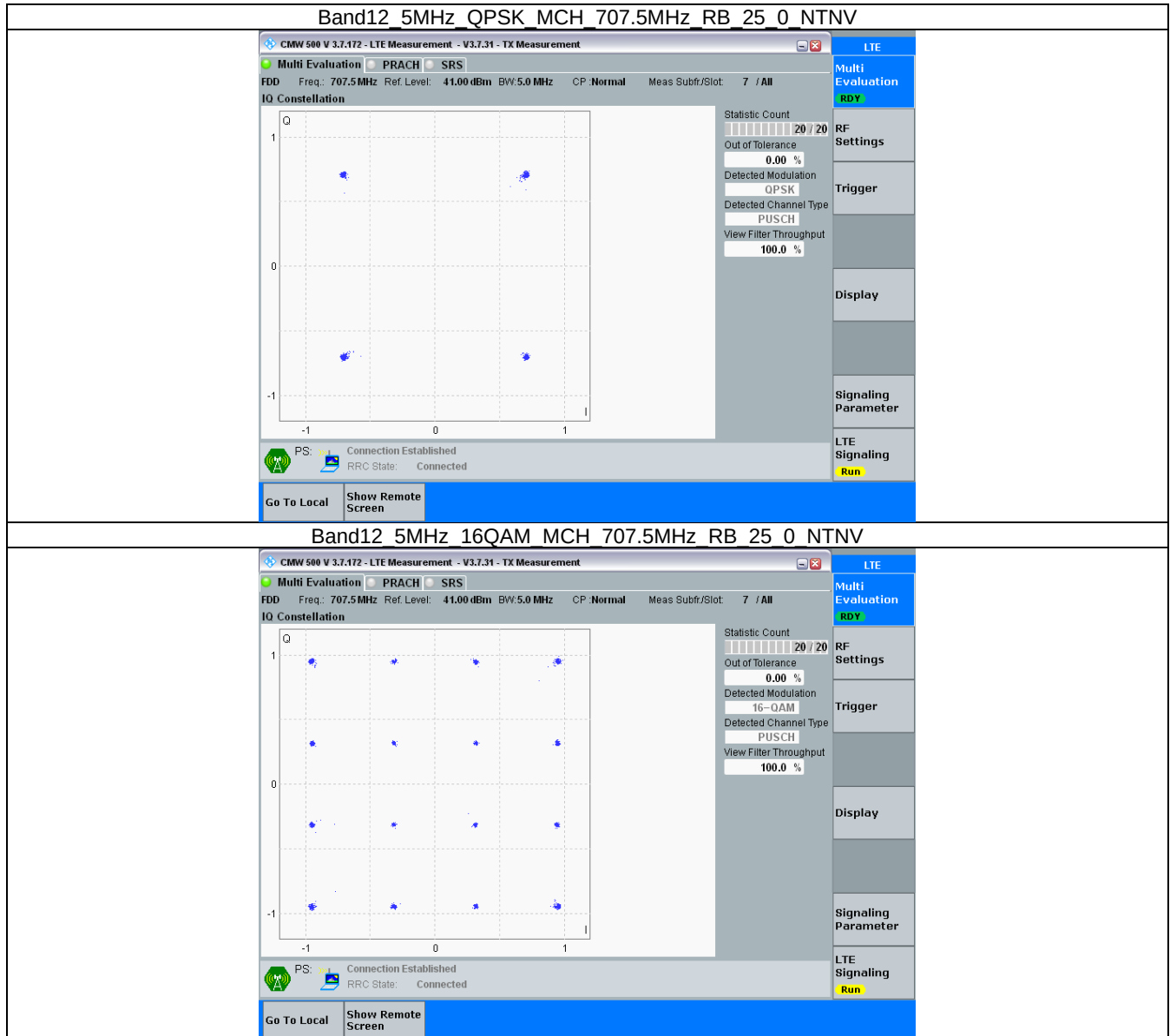
### 3.2.1 B12\_1.4MHz



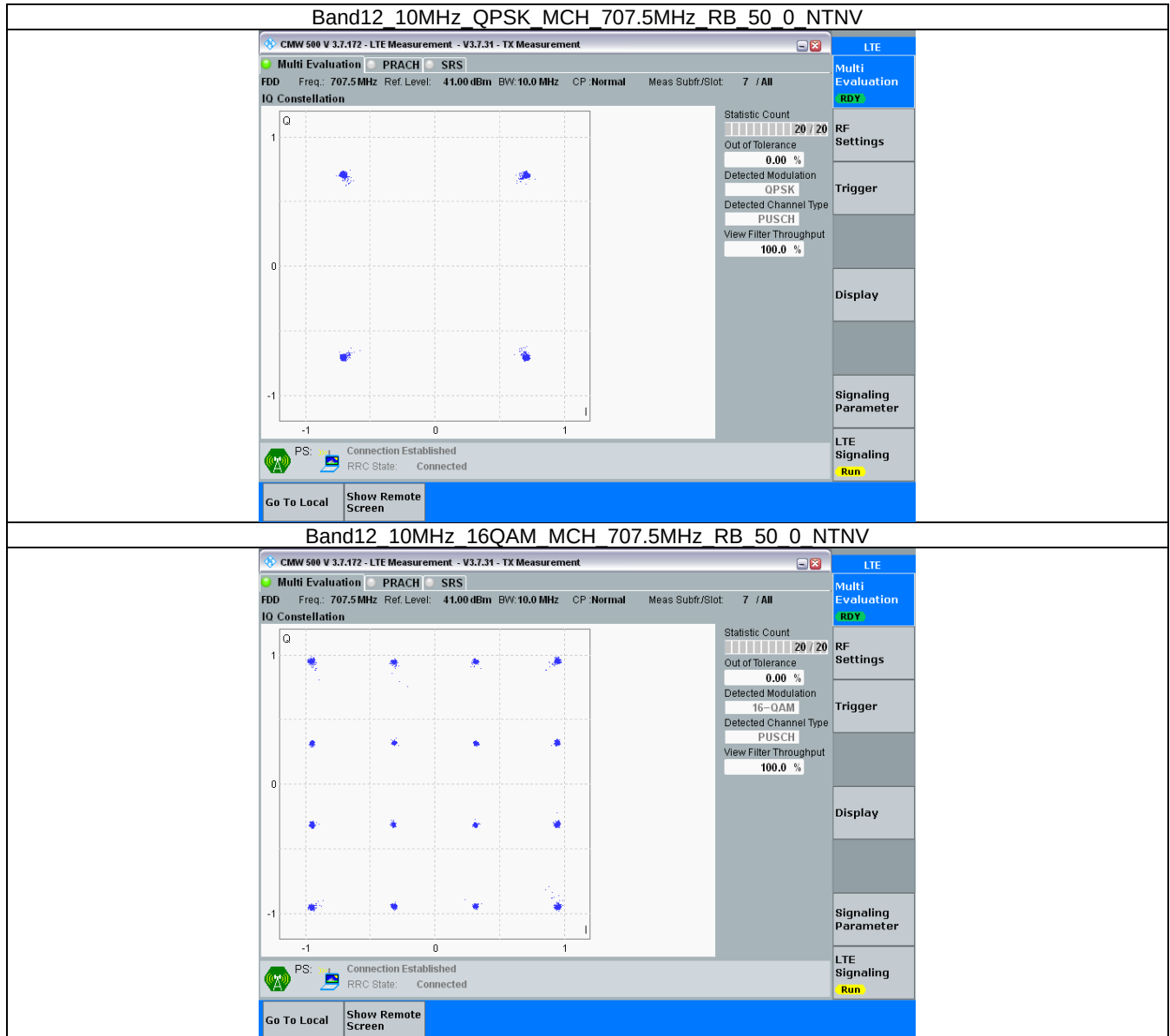
### 3.2.2 B12\_3MHz



### 3.2.3 B12\_5MHz



### 3.2.4 B12\_10MHz



## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 Band12\_OBW

| Band: 12 / NTNV |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 699.7           | 6             | 0      | 1.120                        | /     | Pass    |
|                 |            | 707.5           | 6             | 0      | 1.108                        | /     | Pass    |
|                 |            | 715.3           | 6             | 0      | 1.109                        | /     | Pass    |
|                 | 16QAM      | 699.7           | 6             | 0      | 1.114                        | /     | Pass    |
|                 |            | 707.5           | 6             | 0      | 1.104                        | /     | Pass    |
|                 |            | 715.3           | 6             | 0      | 1.114                        | /     | Pass    |
| 3               | QPSK       | 700.5           | 15            | 0      | 2.722                        | /     | Pass    |
|                 |            | 707.5           | 15            | 0      | 2.729                        | /     | Pass    |
|                 |            | 714.5           | 15            | 0      | 2.726                        | /     | Pass    |
|                 | 16QAM      | 700.5           | 15            | 0      | 2.713                        | /     | Pass    |
|                 |            | 707.5           | 15            | 0      | 2.721                        | /     | Pass    |
|                 |            | 714.5           | 15            | 0      | 2.724                        | /     | Pass    |
| 5               | QPSK       | 701.5           | 25            | 0      | 4.579                        | /     | Pass    |
|                 |            | 707.5           | 25            | 0      | 4.559                        | /     | Pass    |
|                 |            | 713.5           | 25            | 0      | 4.574                        | /     | Pass    |
|                 | 16QAM      | 701.5           | 25            | 0      | 4.569                        | /     | Pass    |
|                 |            | 707.5           | 25            | 0      | 4.586                        | /     | Pass    |
|                 |            | 713.5           | 25            | 0      | 4.579                        | /     | Pass    |
| 10              | QPSK       | 704             | 50            | 0      | 9.119                        | /     | Pass    |
|                 |            | 707.5           | 50            | 0      | 9.088                        | /     | Pass    |
|                 |            | 711             | 50            | 0      | 9.053                        | /     | Pass    |
|                 | 16QAM      | 704             | 50            | 0      | 9.123                        | /     | Pass    |
|                 |            | 707.5           | 50            | 0      | 9.070                        | /     | Pass    |
|                 |            | 711             | 50            | 0      | 9.034                        | /     | Pass    |

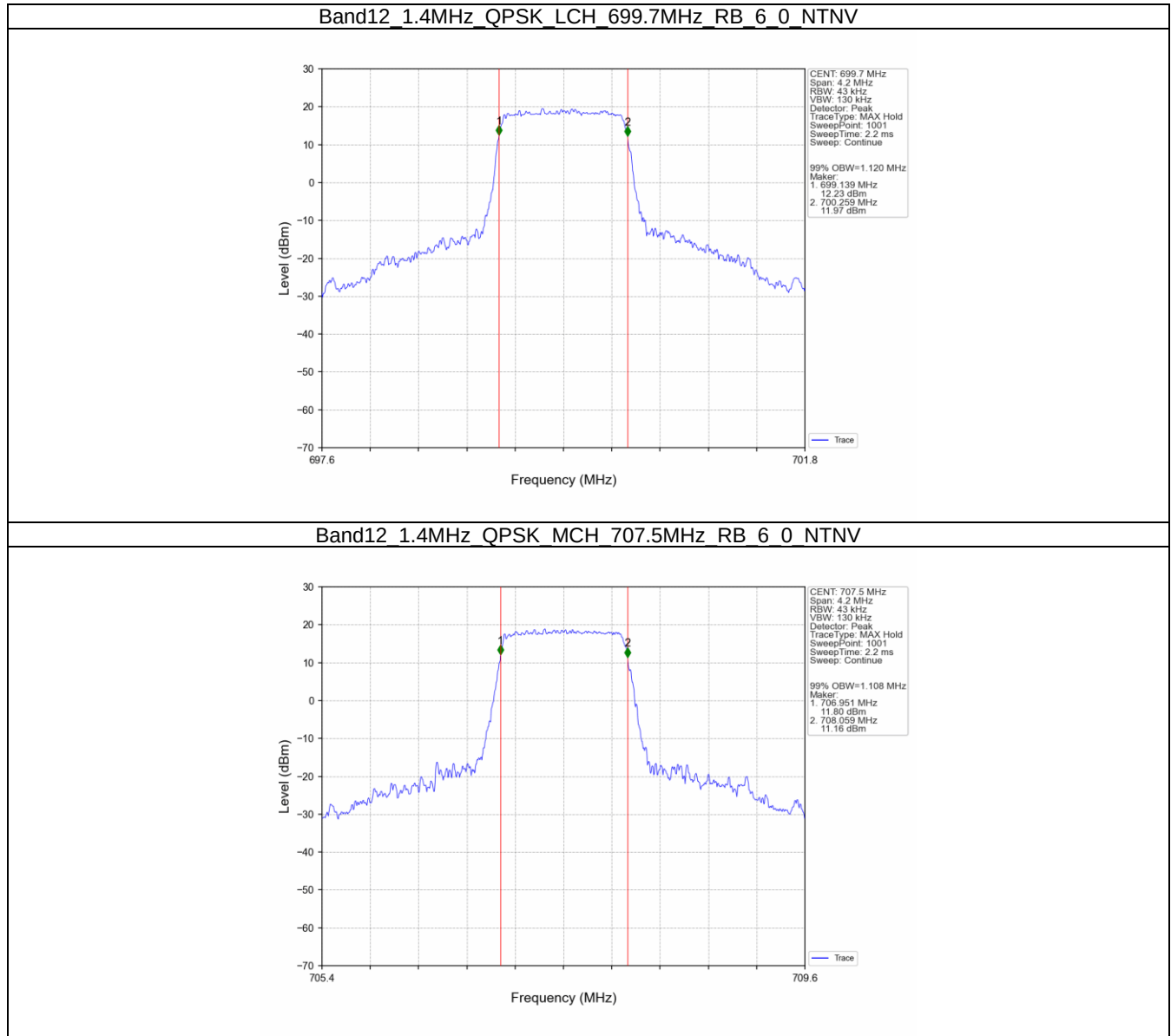
#### 4.1.2 Band12\_XDB

| Band: 12 / NTNV |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 699.7           | 6             | 0      | 1.307                | /     | Pass    |
|                 |            | 707.5           | 6             | 0      | 1.317                | /     | Pass    |
|                 |            | 715.3           | 6             | 0      | 1.313                | /     | Pass    |
|                 | 16QAM      | 699.7           | 6             | 0      | 1.319                | /     | Pass    |
|                 |            | 707.5           | 6             | 0      | 1.309                | /     | Pass    |
|                 |            | 715.3           | 6             | 0      | 1.321                | /     | Pass    |
| 3               | QPSK       | 700.5           | 15            | 0      | 3.012                | /     | Pass    |
|                 |            | 707.5           | 15            | 0      | 2.988                | /     | Pass    |
|                 |            | 714.5           | 15            | 0      | 2.991                | /     | Pass    |
|                 | 16QAM      | 700.5           | 15            | 0      | 2.992                | /     | Pass    |
|                 |            | 707.5           | 15            | 0      | 2.991                | /     | Pass    |
|                 |            | 714.5           | 15            | 0      | 3.004                | /     | Pass    |
| 5               | QPSK       | 701.5           | 25            | 0      | 5.262                | /     | Pass    |
|                 |            | 707.5           | 25            | 0      | 5.301                | /     | Pass    |
|                 |            | 713.5           | 25            | 0      | 5.146                | /     | Pass    |

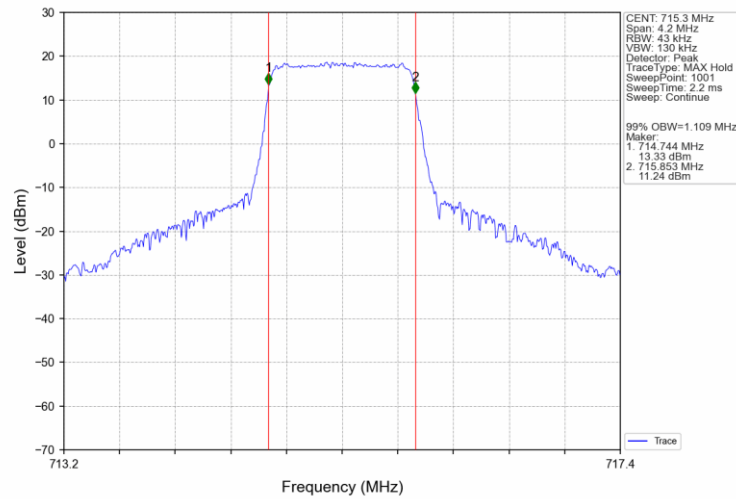
|    |       |       |    |   |        |   |      |
|----|-------|-------|----|---|--------|---|------|
| 10 | 16QAM | 701.5 | 25 | 0 | 5.243  | / | Pass |
|    |       | 707.5 | 25 | 0 | 5.304  | / | Pass |
|    |       | 713.5 | 25 | 0 | 5.206  | / | Pass |
|    | QPSK  | 704   | 50 | 0 | 10.344 | / | Pass |
|    |       | 707.5 | 50 | 0 | 10.188 | / | Pass |
|    |       | 711   | 50 | 0 | 10.186 | / | Pass |
|    | 16QAM | 704   | 50 | 0 | 10.162 | / | Pass |
|    |       | 707.5 | 50 | 0 | 10.362 | / | Pass |
|    |       | 711   | 50 | 0 | 10.214 | / | Pass |

## 4.2 Test Graph

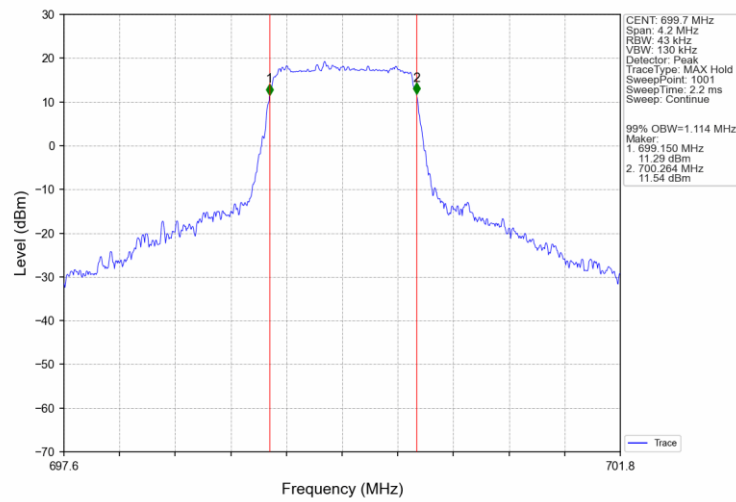
### 4.2.1 Band12\_OBW



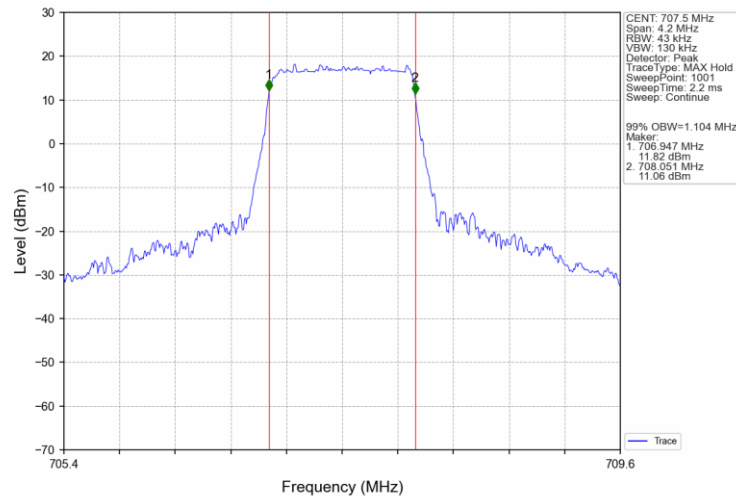
Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



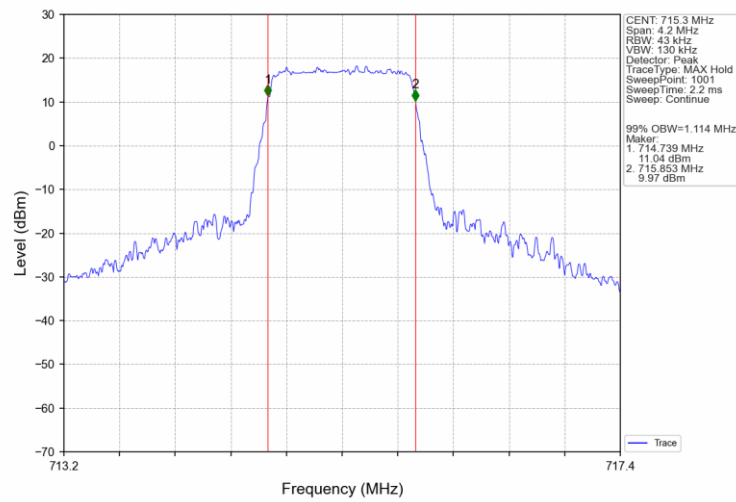
Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV



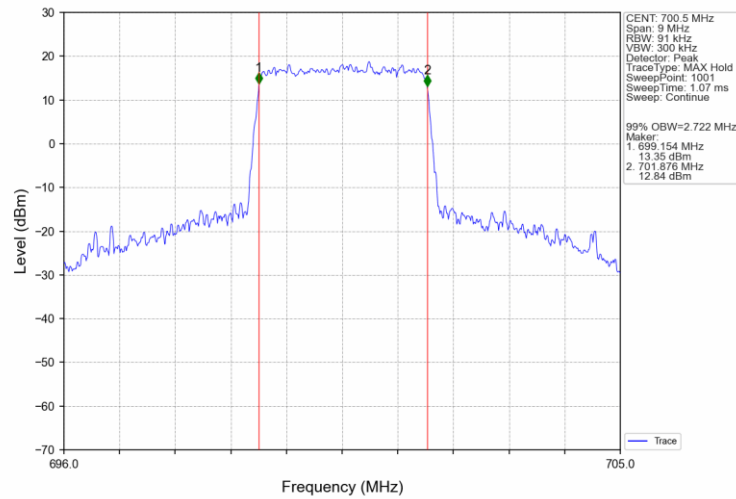
Band12\_1.4MHz\_16QAM\_MCH\_707.5MHz\_RB\_6\_0\_NTNV



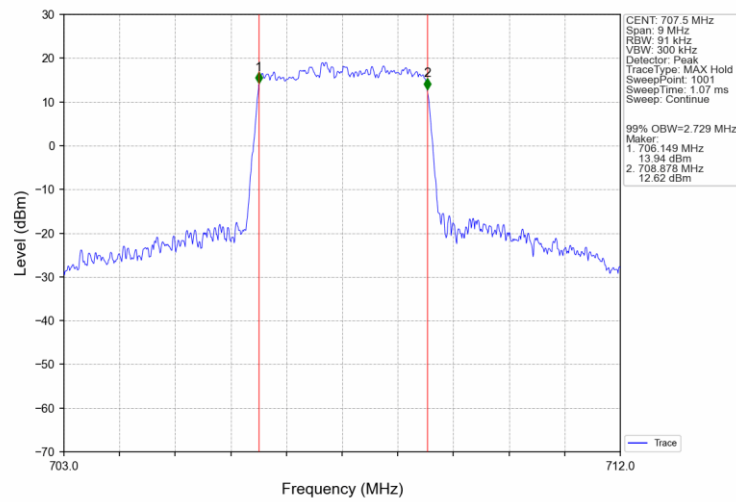
Band12\_1.4MHz\_16QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



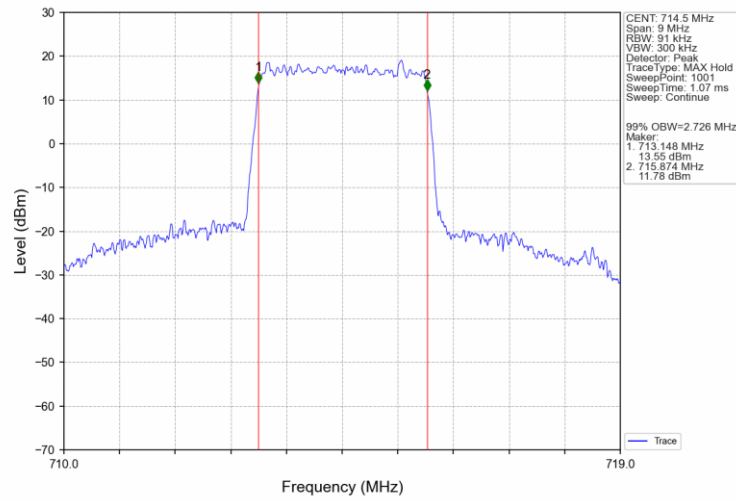
Band12\_3MHz\_QPSK\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



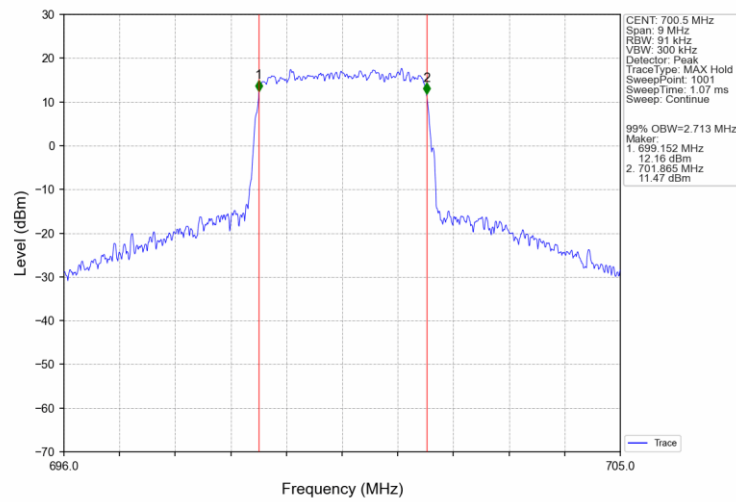
Band12\_3MHz\_QPSK\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



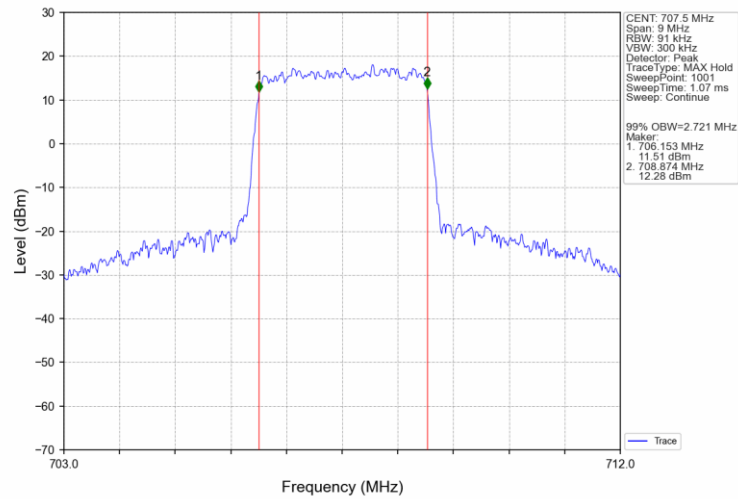
Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_15\_0\_NTNV



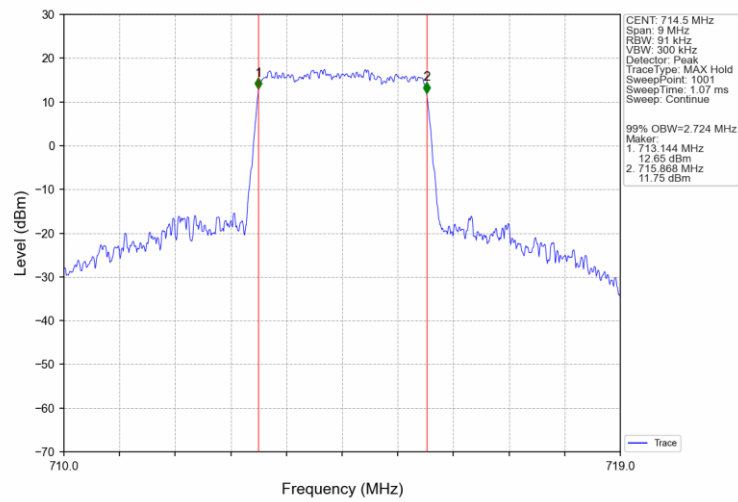
Band12\_3MHz\_16QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



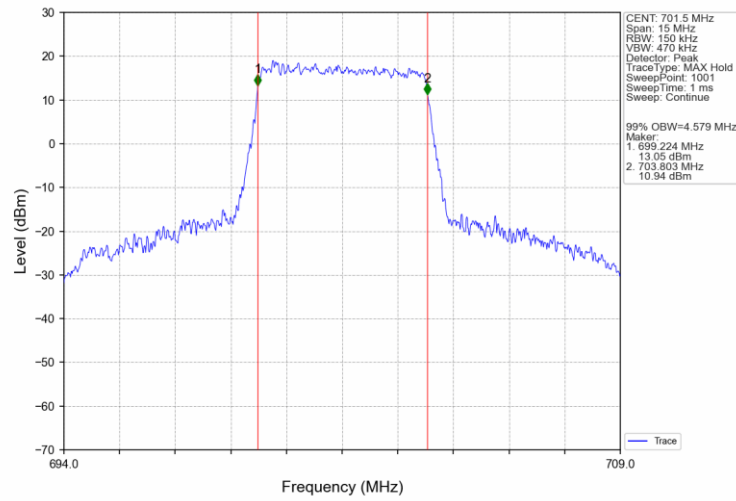
Band12\_3MHz\_16QAM\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



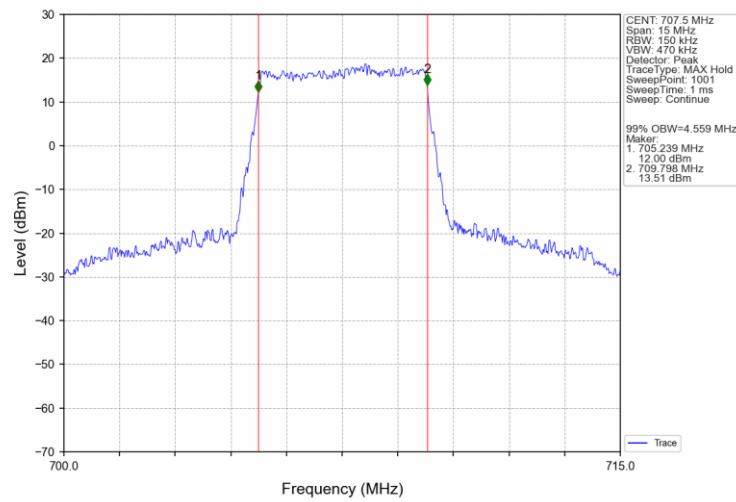
Band12\_3MHz\_16QAM\_HCH\_714.5MHz\_RB\_15\_0\_NTNV



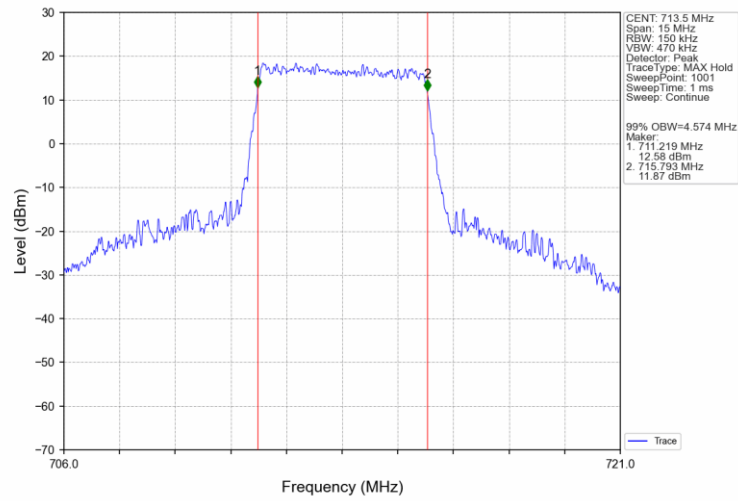
Band12\_5MHz\_QPSK\_LCH\_701.5MHz\_RB\_25\_0\_NTNV



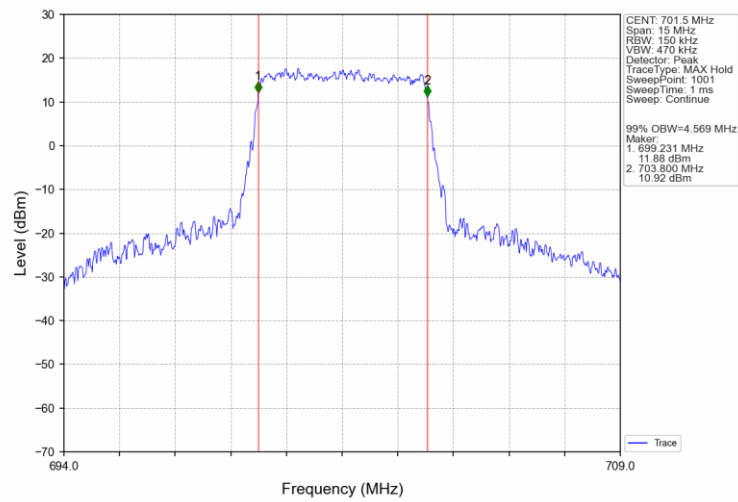
Band12\_5MHz\_QPSK\_MCH\_707.5MHz\_RB\_25\_0\_NTNV



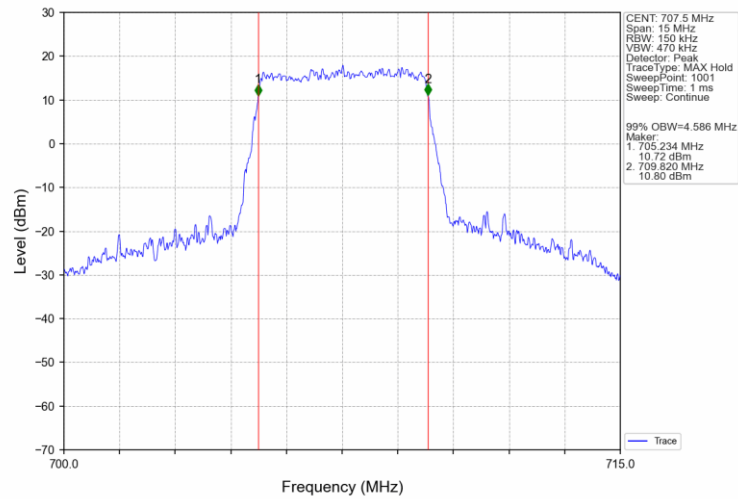
Band12\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



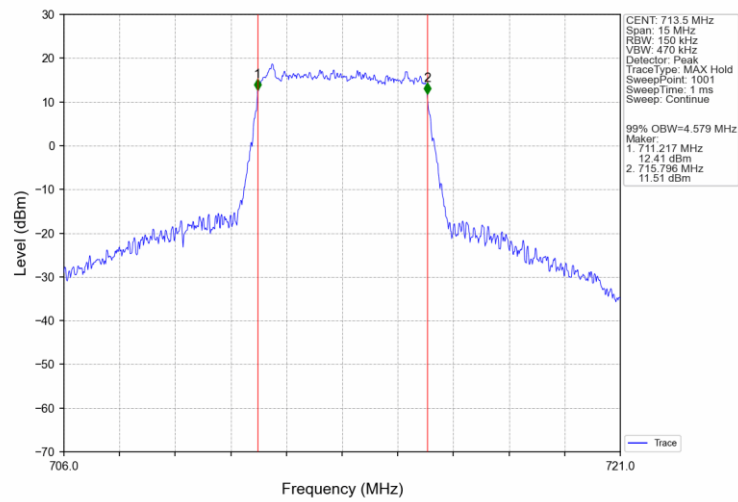
Band12\_5MHz\_16QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV



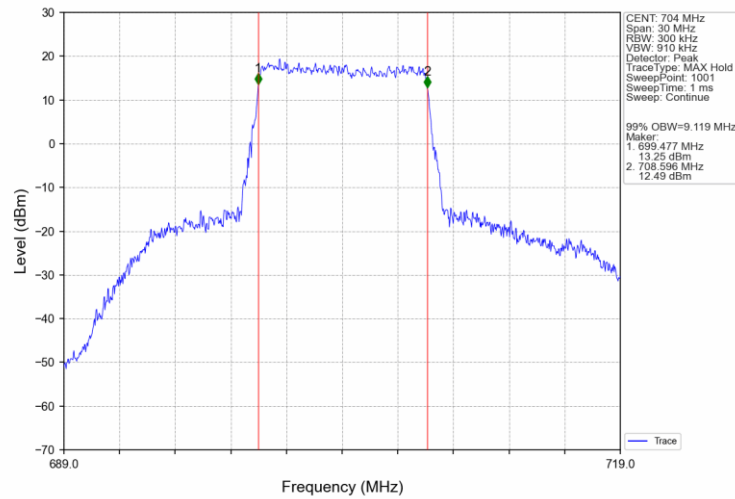
Band12\_5MHz\_16QAM\_MCH\_707.5MHz\_RB\_25\_0\_NTNV



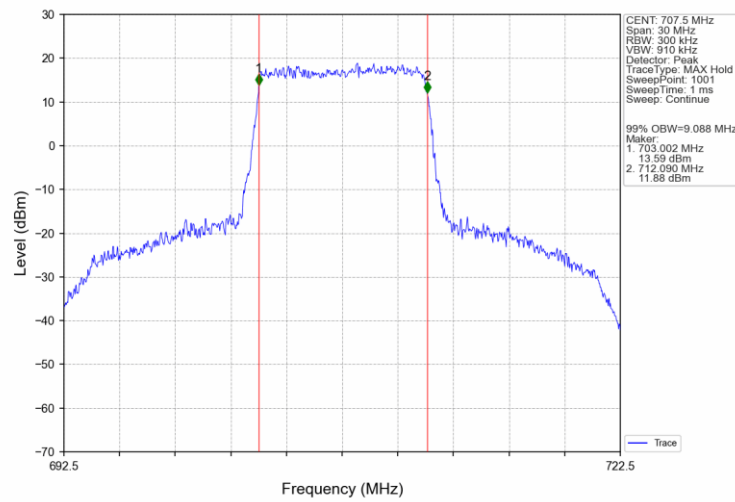
Band12\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



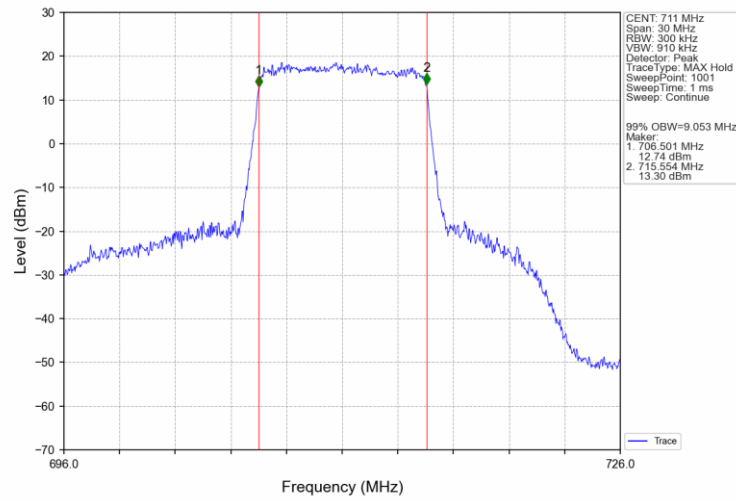
Band12\_10MHz\_QPSK\_LCH\_704MHz\_RB\_50\_0\_NTNV



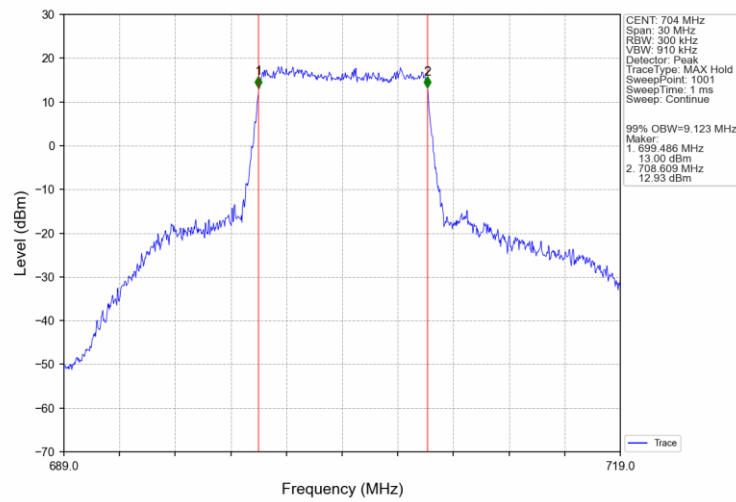
Band12\_10MHz\_QPSK\_MCH\_707.5MHz\_RB\_50\_0\_NTNV



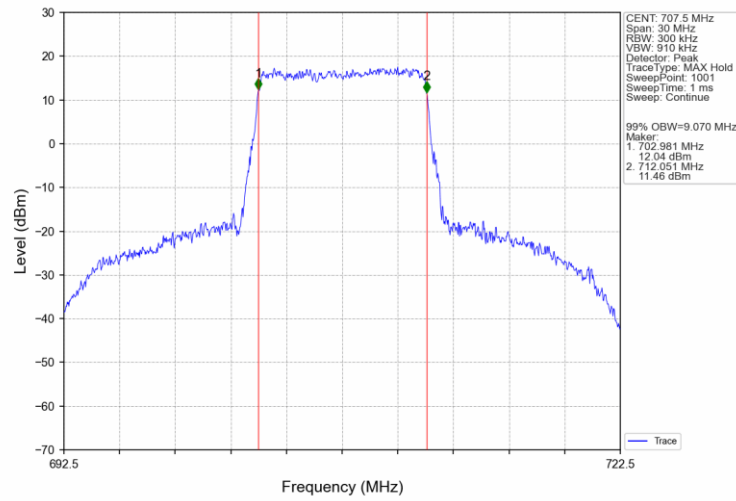
Band12\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



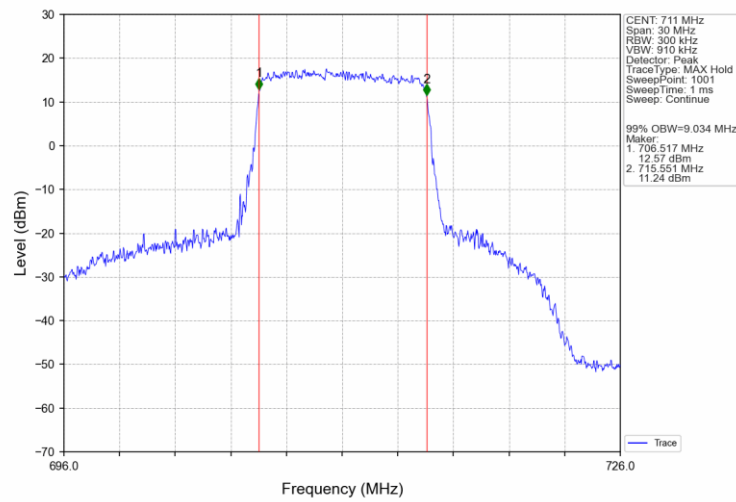
Band12\_10MHz\_16QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_16QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV

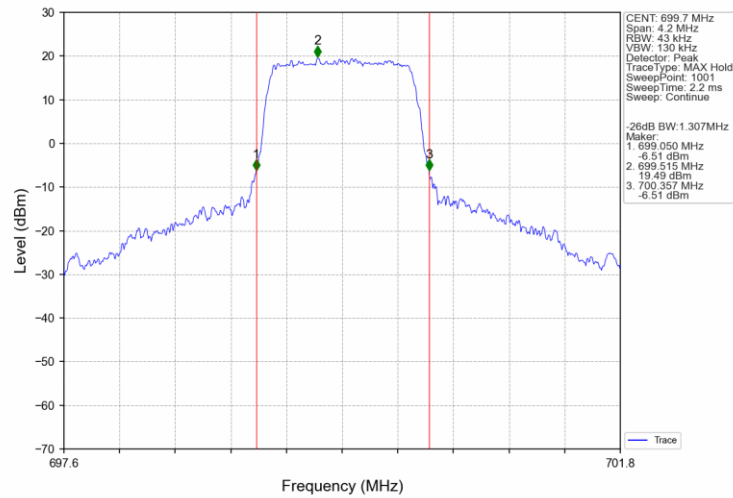


Band12\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV

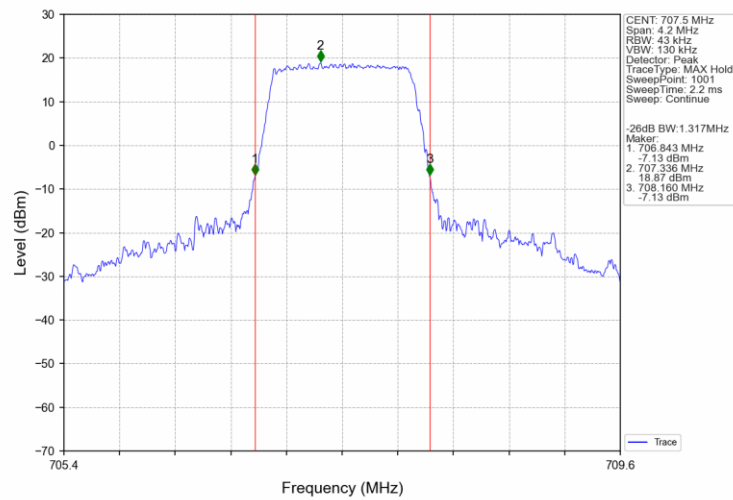


## 4.2.2 Band12\_XDB

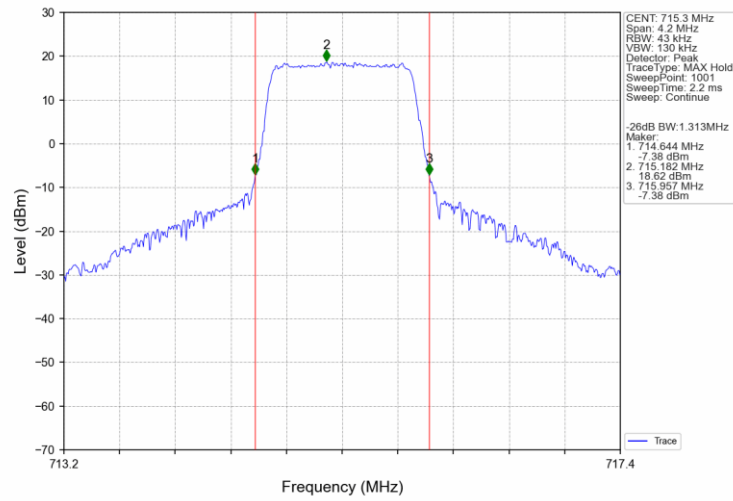
Band12\_1.4MHz\_QPSK\_LCH\_699.7MHz\_RB\_6\_0\_NTNV



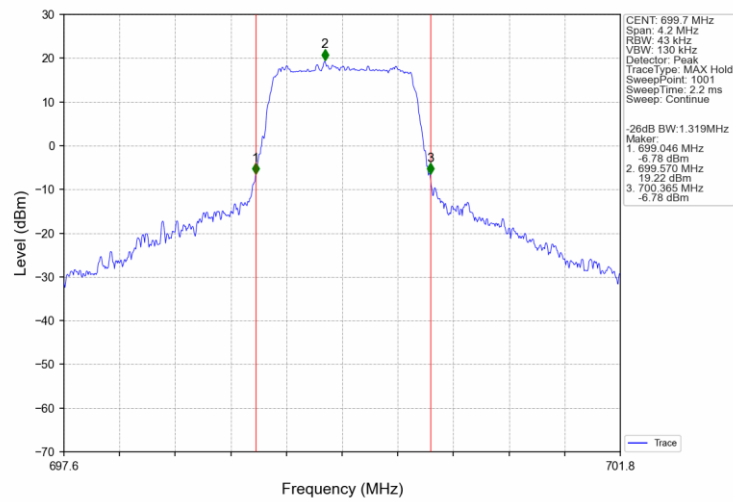
Band12\_1.4MHz\_QPSK\_MCH\_707.5MHz\_RB\_6\_0\_NTNV



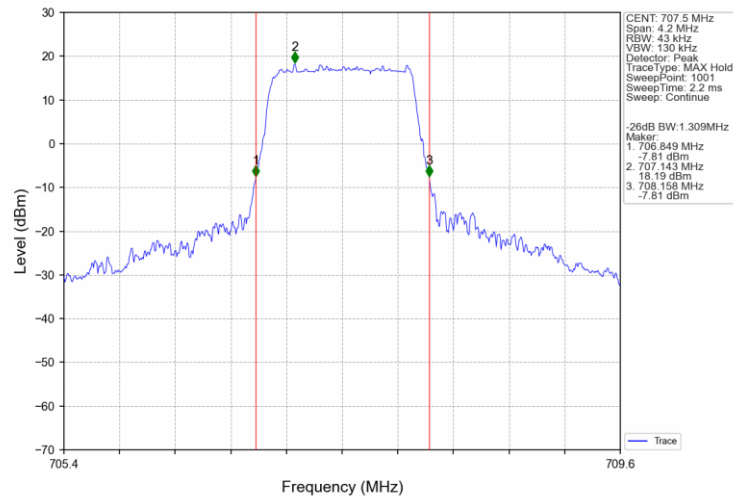
Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



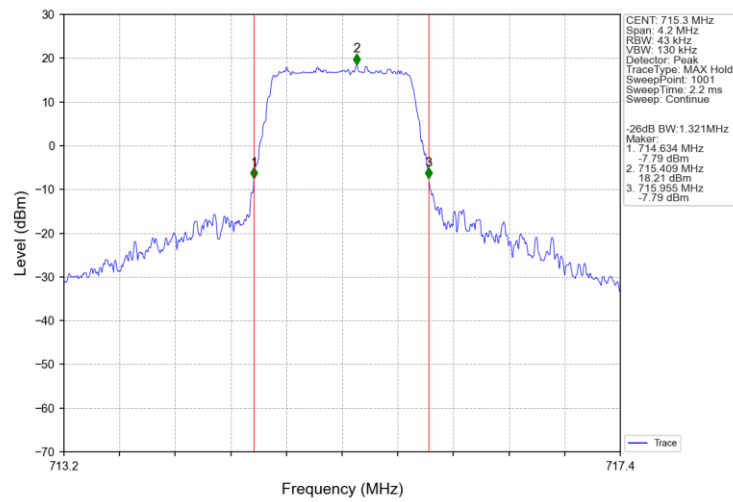
Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV



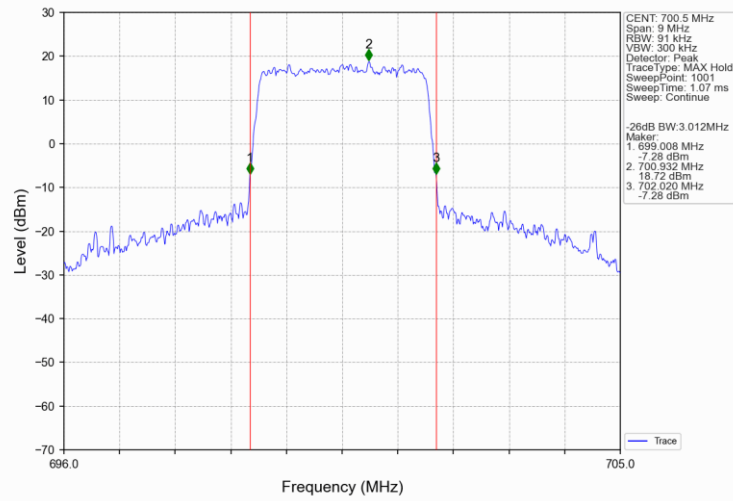
Band12\_1.4MHz\_16QAM\_MCH\_707.5MHz\_RB\_6\_0\_NTNV



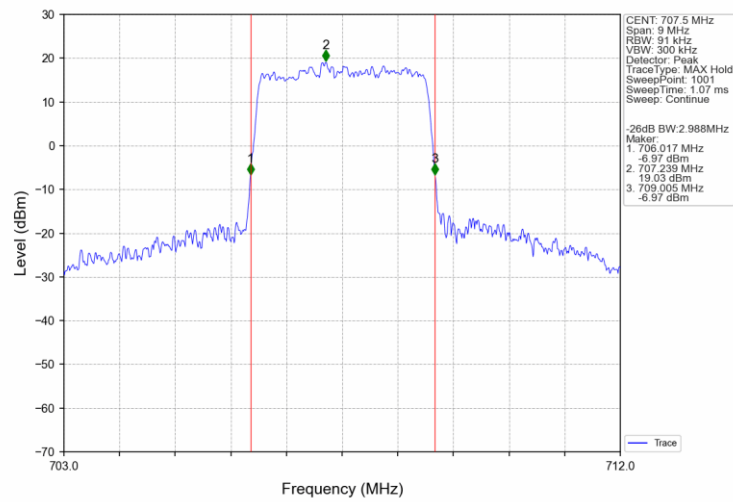
Band12\_1.4MHz\_16QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



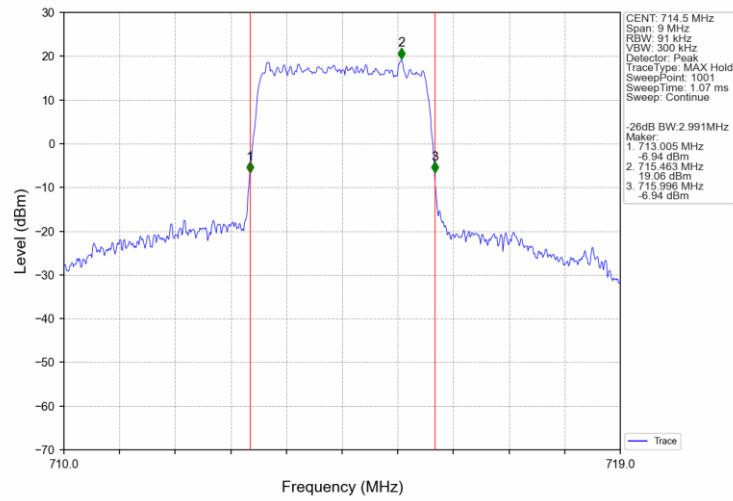
Band12\_3MHz\_QPSK\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



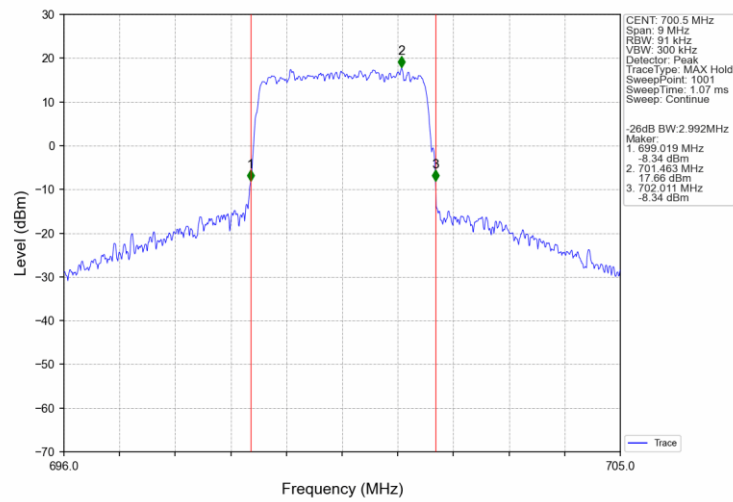
Band12\_3MHz\_QPSK\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



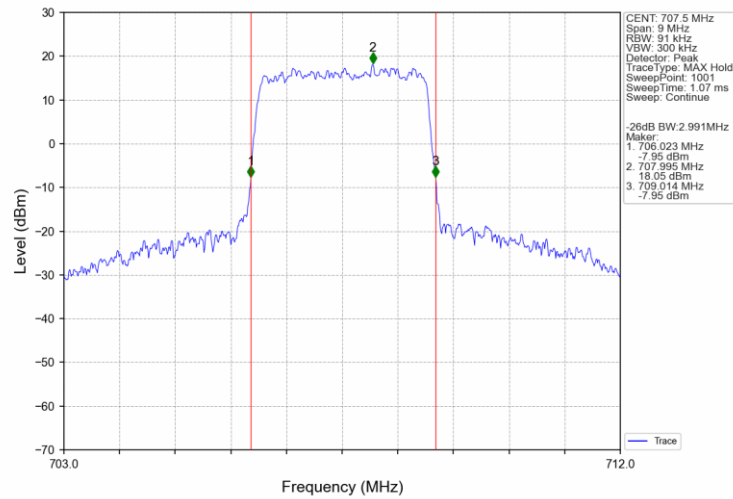
### Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_15\_0\_NTNV



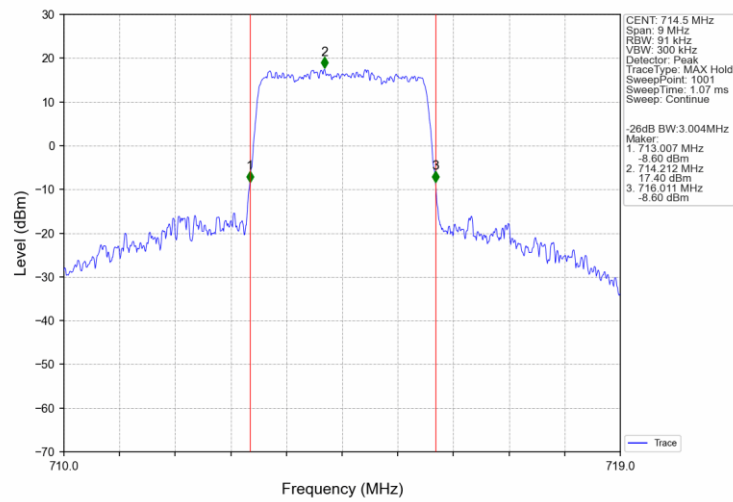
### Band12\_3MHz\_16QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



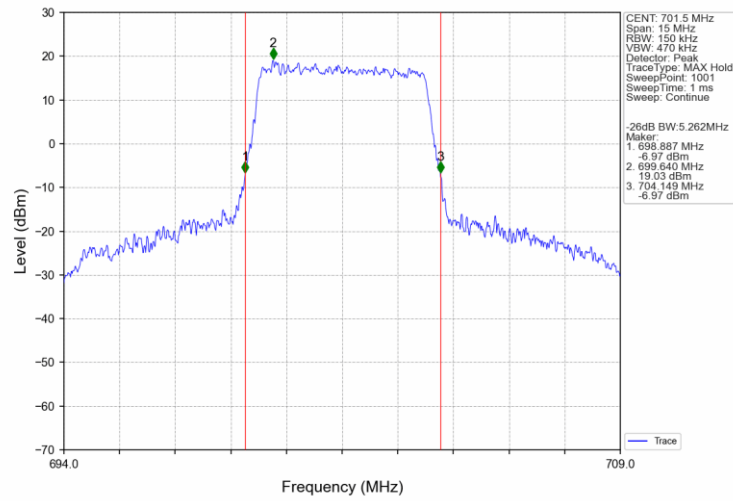
Band12\_3MHz\_16QAM\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



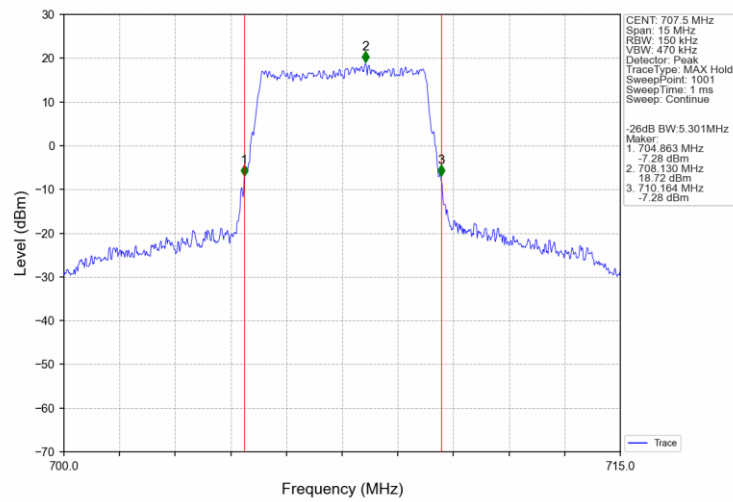
Band12\_3MHz\_16QAM\_HCH\_714.5MHz\_RB\_15\_0\_NTNV



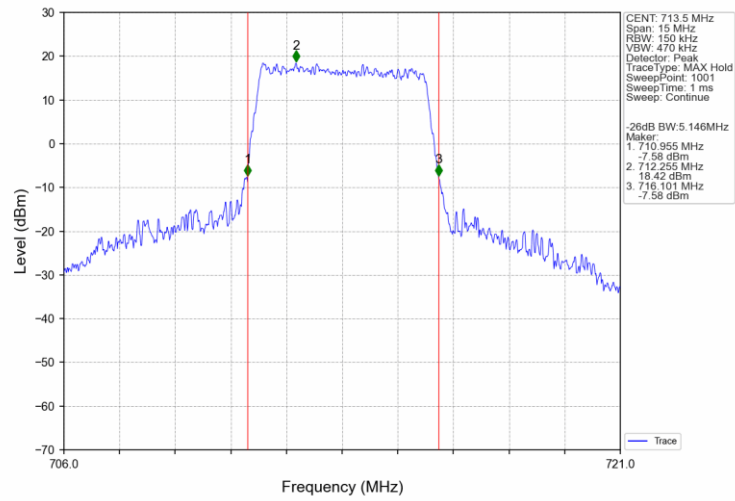
Band12\_5MHz\_QPSK\_LCH\_701.5MHz\_RB\_25\_0\_NTNV



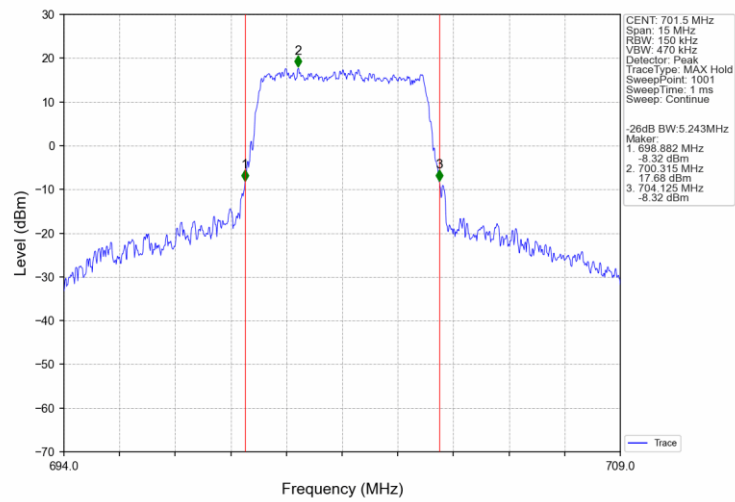
Band12\_5MHz\_QPSK\_MCH\_707.5MHz\_RB\_25\_0\_NTNV



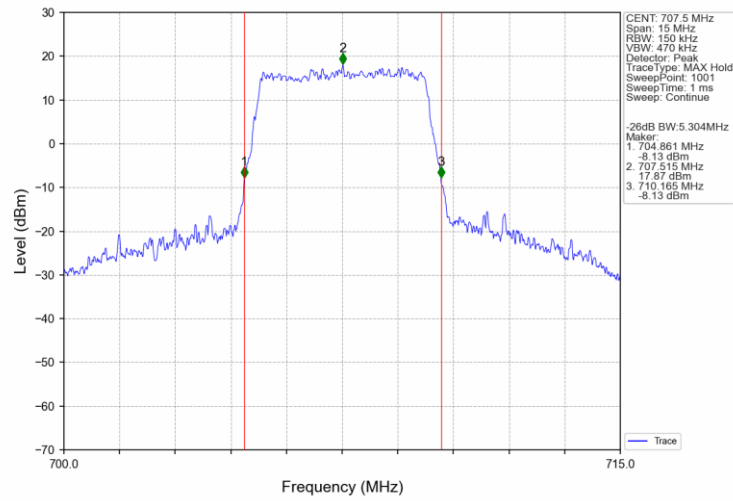
### Band12\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



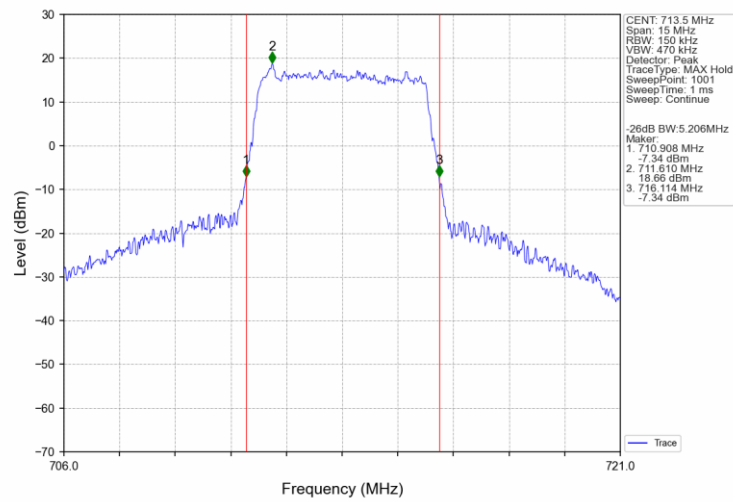
### Band12\_5MHz\_16QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV



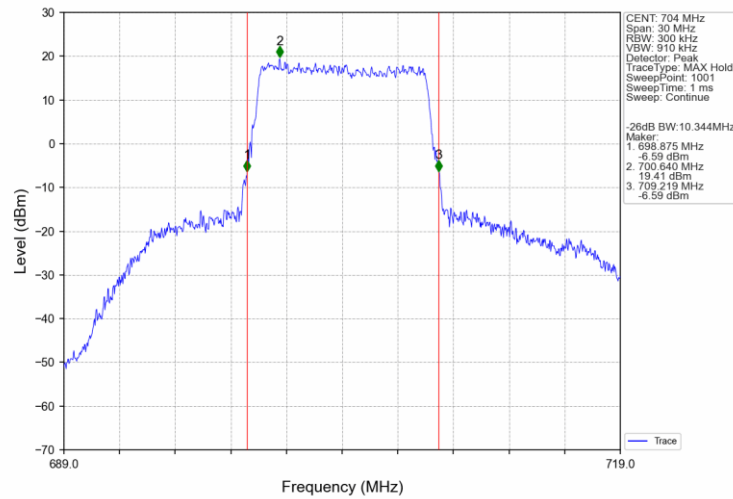
### Band12\_5MHz\_16QAM\_MCH\_707.5MHz\_RB\_25\_0\_NTNV



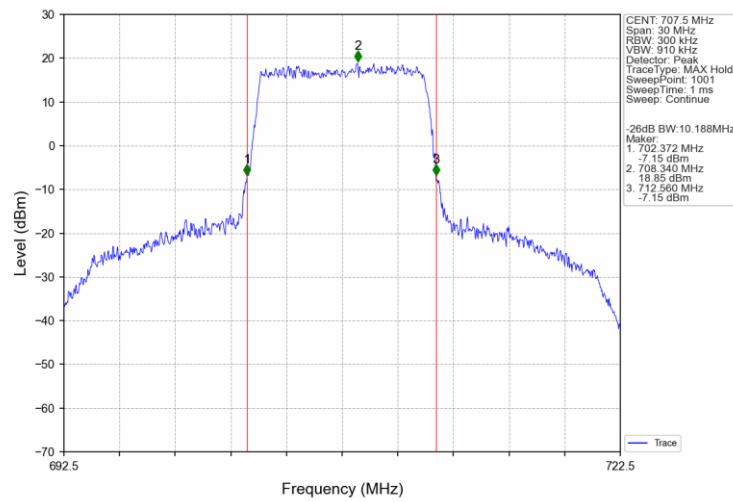
### Band12\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



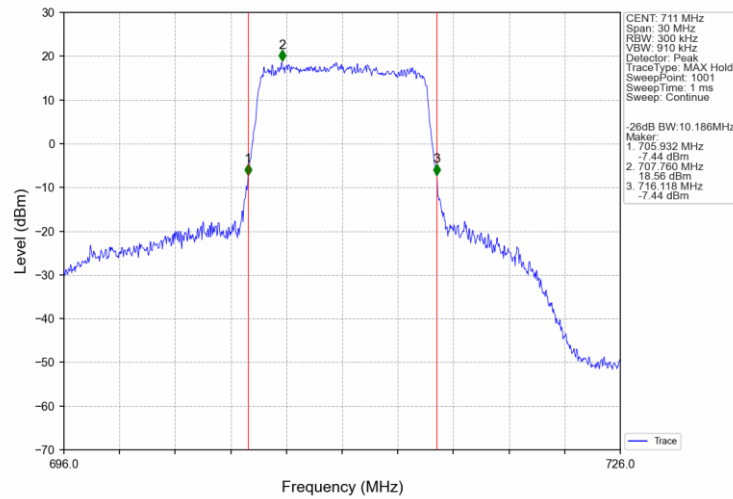
### Band12\_10MHz\_QPSK\_LCH\_704MHz\_RB\_50\_0\_NTNV



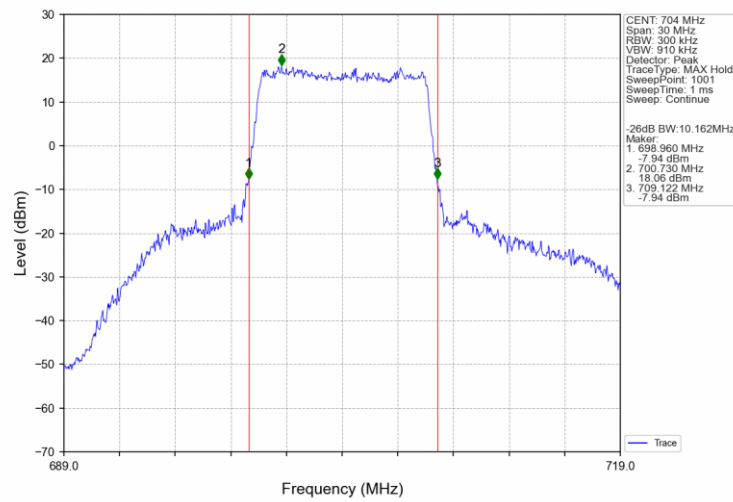
### Band12\_10MHz\_QPSK\_MCH\_707.5MHz\_RB\_50\_0\_NTNV



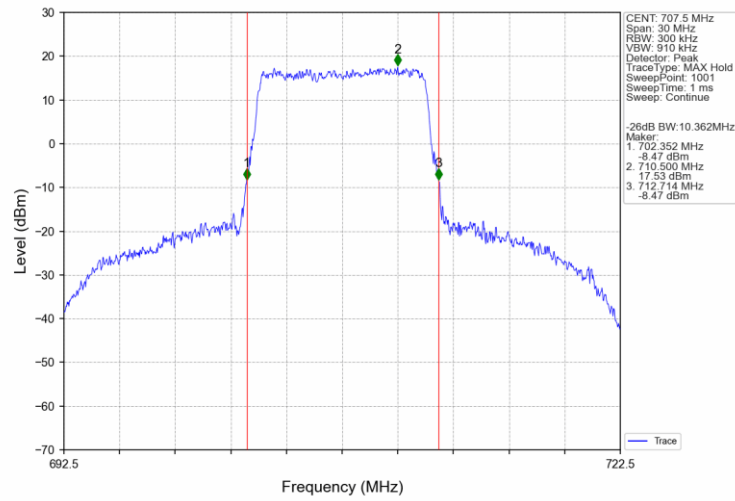
Band12\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



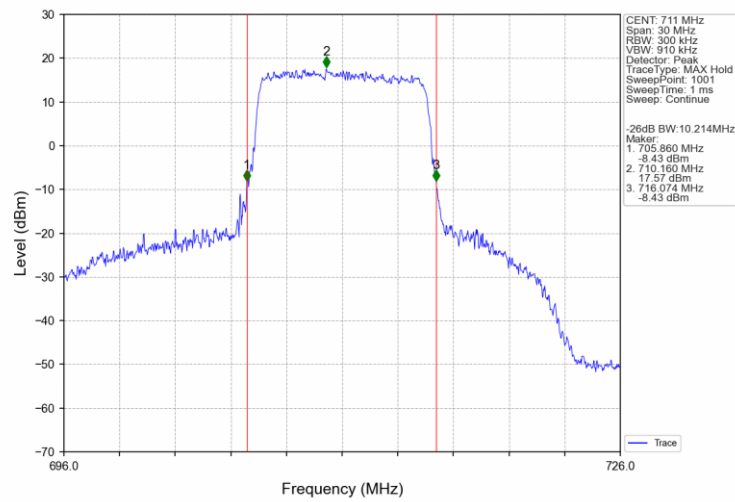
Band12\_10MHz\_16QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_16QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV



## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 B12\_1.4MHz

| Band: 12 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                         |       |         |
|-------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                     |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                                | 699.7           | 6             | 0      | 4.19                    | <=13  | Pass    |
|                                     | 707.5           | 6             | 0      | 4.83                    | <=13  | Pass    |
|                                     | 715.3           | 6             | 0      | 4.80                    | <=13  | Pass    |
| 16QAM                               | 699.7           | 6             | 0      | 5.04                    | <=13  | Pass    |
|                                     | 707.5           | 6             | 0      | 5.79                    | <=13  | Pass    |
|                                     | 715.3           | 6             | 0      | 5.62                    | <=13  | Pass    |

#### 5.1.2 B12\_3MHz

| Band: 12 / Bandwidth: 3MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 700.5           | 15            | 0      | 4.77                    | <=13  | Pass    |
|                                   | 707.5           | 15            | 0      | 5.09                    | <=13  | Pass    |
|                                   | 714.5           | 15            | 0      | 5.09                    | <=13  | Pass    |
| 16QAM                             | 700.5           | 15            | 0      | 5.60                    | <=13  | Pass    |
|                                   | 707.5           | 15            | 0      | 5.91                    | <=13  | Pass    |
|                                   | 714.5           | 15            | 0      | 5.92                    | <=13  | Pass    |

#### 5.1.3 B12\_5MHz

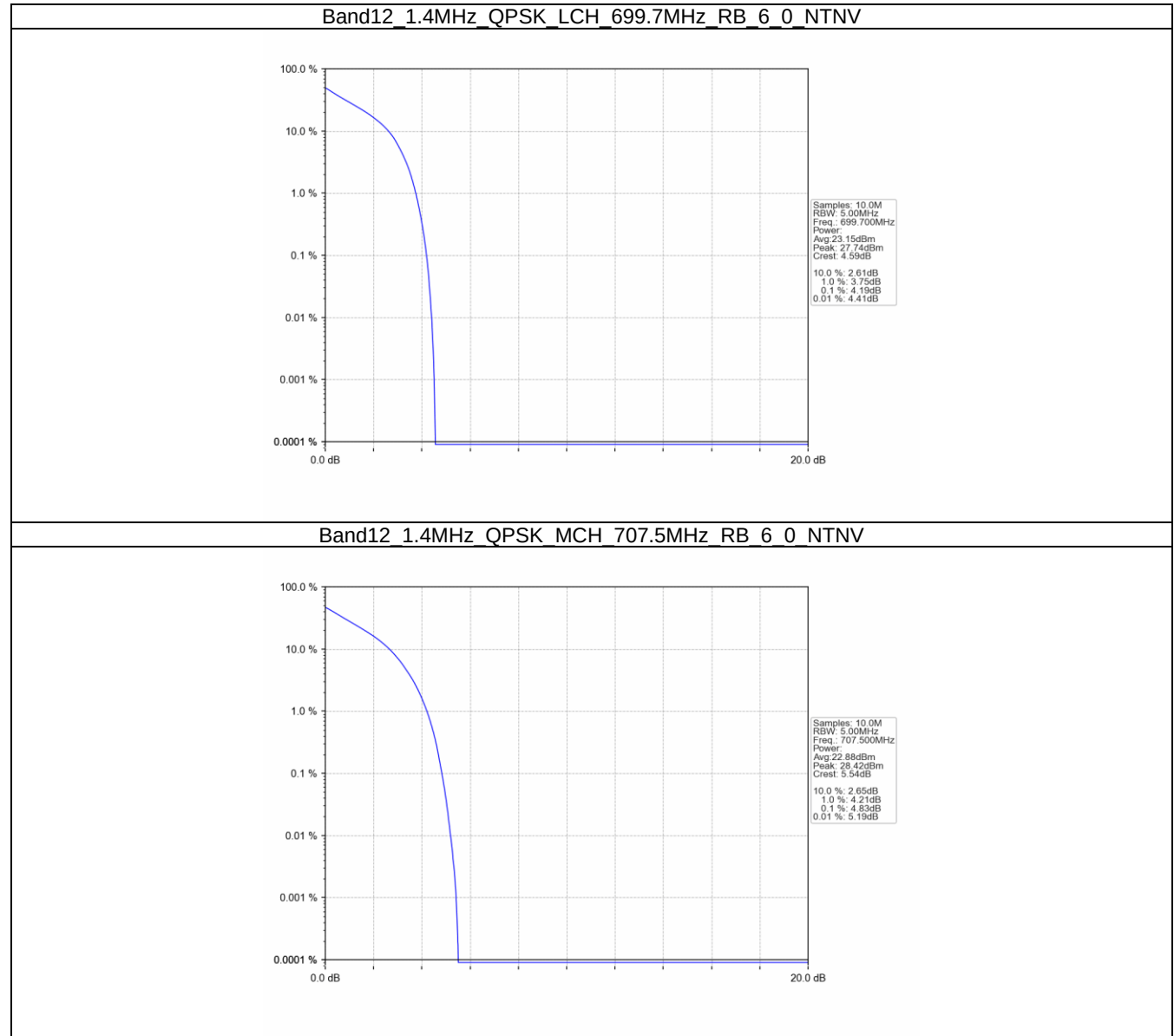
| Band: 12 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 701.5           | 25            | 0      | 5.25                    | <=13  | Pass    |
|                                   | 707.5           | 25            | 0      | 5.32                    | <=13  | Pass    |
|                                   | 713.5           | 25            | 0      | 5.33                    | <=13  | Pass    |
| 16QAM                             | 701.5           | 25            | 0      | 5.94                    | <=13  | Pass    |
|                                   | 707.5           | 25            | 0      | 6.07                    | <=13  | Pass    |
|                                   | 713.5           | 25            | 0      | 6.05                    | <=13  | Pass    |

#### 5.1.4 B12\_10MHz

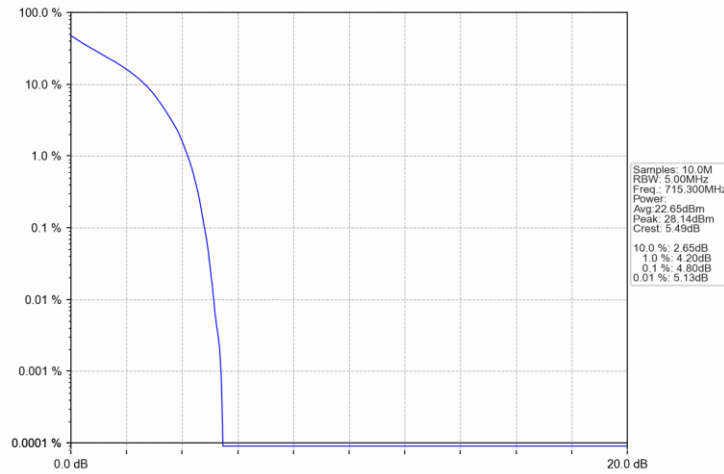
| Band: 12 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 704             | 50            | 0      | 5.32                    | <=13  | Pass    |
|                                    | 707.5           | 50            | 0      | 5.31                    | <=13  | Pass    |
|                                    | 711             | 50            | 0      | 5.25                    | <=13  | Pass    |
| 16QAM                              | 704             | 50            | 0      | 6.05                    | <=13  | Pass    |
|                                    | 707.5           | 50            | 0      | 6.08                    | <=13  | Pass    |
|                                    | 711             | 50            | 0      | 6.05                    | <=13  | Pass    |

## 5.2 Test Graph

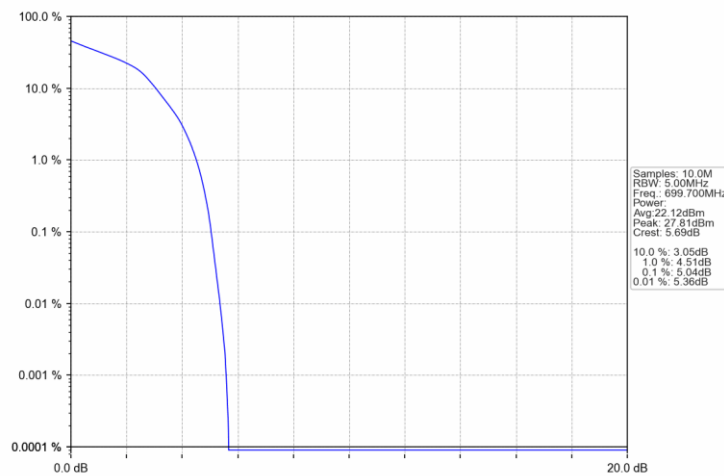
### 5.2.1 B12\_1.4MHz



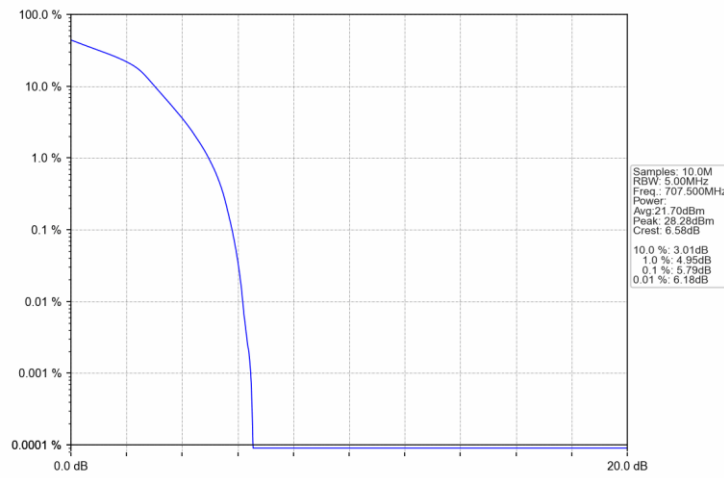
Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



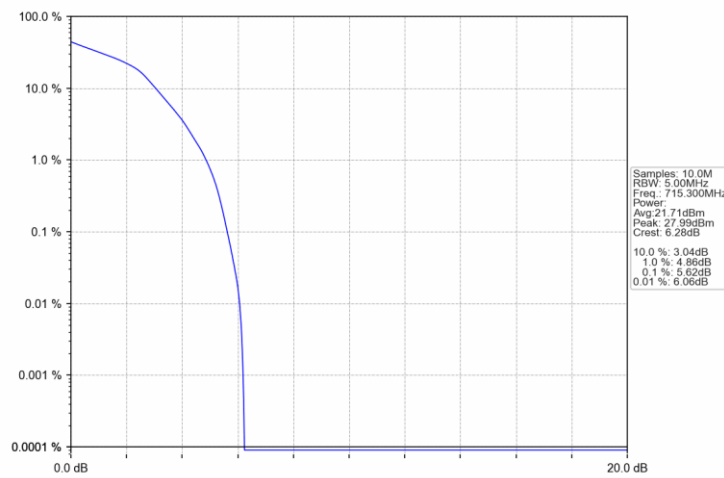
Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV



Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV

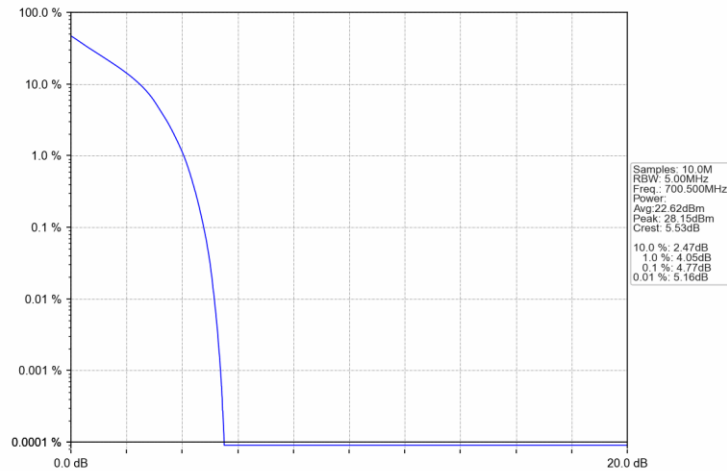


Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV

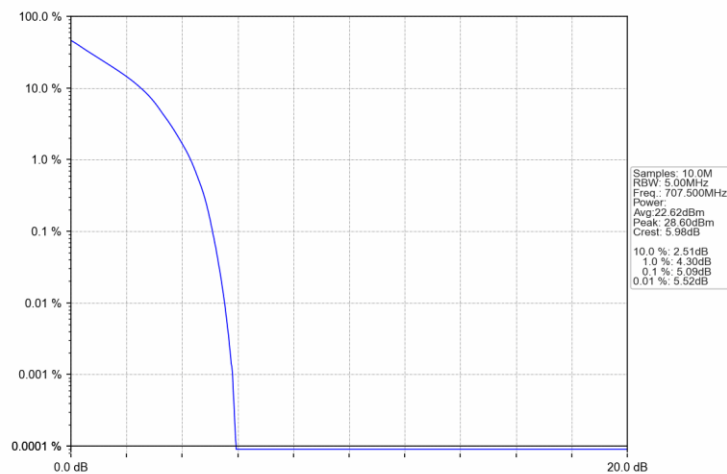


### 5.2.2 B12\_3MHz

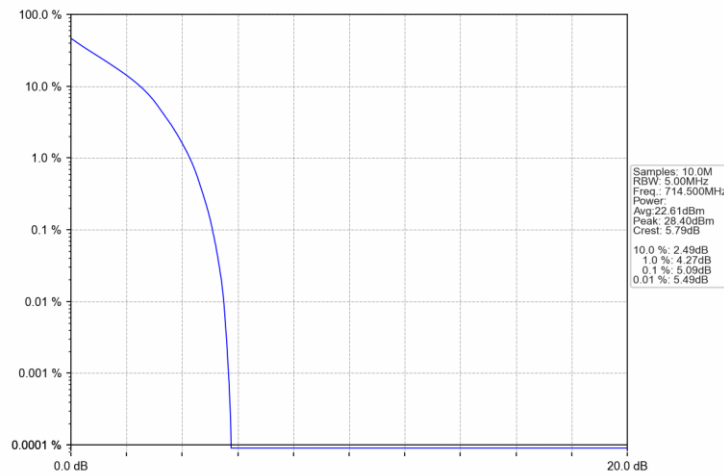
Band12\_3MHz\_QPSK\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



Band12\_3MHz\_QPSK\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_15\_0\_NTNV



Band12\_3MHz\_16QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV

