

## **Appendix Test Data for LTE\_band\_17**

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

### 1.1 Test Result

#### 1.1.1 B17\_5MHz\_ERP

| Band: 17 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |           |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                              | 706.5           | 1             | 0      | 23.94                 | -0.10      | 21.69     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 23.94                 | -0.10      | 21.69     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 24.06                 | -0.10      | 21.81     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 22.82                 | -0.10      | 20.57     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 22.83                 | -0.10      | 20.58     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.84                 | -0.10      | 20.59     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 22.84                 | -0.10      | 20.59     | <=34.77 | Pass    |
|                                   | 710             | 1             | 0      | 24.03                 | -0.10      | 21.78     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 23.99                 | -0.10      | 21.74     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 24.05                 | -0.10      | 21.80     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 22.90                 | -0.10      | 20.65     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 22.87                 | -0.10      | 20.62     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.81                 | -0.10      | 20.56     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 22.87                 | -0.10      | 20.62     | <=34.77 | Pass    |
|                                   | 713.5           | 1             | 0      | 23.53                 | -0.10      | 21.28     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 23.49                 | -0.10      | 21.24     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 23.62                 | -0.10      | 21.37     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 22.99                 | -0.10      | 20.74     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 22.94                 | -0.10      | 20.69     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.96                 | -0.10      | 20.71     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 23.00                 | -0.10      | 20.75     | <=34.77 | Pass    |
| 16QAM                             | 706.5           | 1             | 0      | 22.98                 | -0.10      | 20.73     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.98                 | -0.10      | 20.73     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 23.08                 | -0.10      | 20.83     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 21.83                 | -0.10      | 19.58     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 21.84                 | -0.10      | 19.59     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 21.85                 | -0.10      | 19.60     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 21.88                 | -0.10      | 19.63     | <=34.77 | Pass    |
|                                   | 710             | 1             | 0      | 22.48                 | -0.10      | 20.23     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.38                 | -0.10      | 20.13     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 22.58                 | -0.10      | 20.33     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 21.90                 | -0.10      | 19.65     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 21.87                 | -0.10      | 19.62     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 21.81                 | -0.10      | 19.56     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 21.88                 | -0.10      | 19.63     | <=34.77 | Pass    |
|                                   | 713.5           | 1             | 0      | 22.63                 | -0.10      | 20.38     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.58                 | -0.10      | 20.33     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 22.69                 | -0.10      | 20.44     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 22.02                 | -0.10      | 19.77     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 21.96                 | -0.10      | 19.71     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.01                 | -0.10      | 19.76     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 21.99                 | -0.10      | 19.74     | <=34.77 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

#### 1.1.2 B17\_10MHz\_ERP

| Band: 17 / Bandwidth: 10MHz / NTNV |                 |               |        |                       |            |           |       |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |       | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result    | Limit |         |

|       |     |    |    |       |       |       |         |      |
|-------|-----|----|----|-------|-------|-------|---------|------|
| QPSK  | 709 | 1  | 0  | 23.31 | -0.10 | 21.06 | <=34.77 | Pass |
|       |     |    | 25 | 23.41 | -0.10 | 21.16 | <=34.77 | Pass |
|       |     |    | 49 | 23.41 | -0.10 | 21.16 | <=34.77 | Pass |
|       |     | 25 | 0  | 22.86 | -0.10 | 20.61 | <=34.77 | Pass |
|       |     |    | 13 | 22.87 | -0.10 | 20.62 | <=34.77 | Pass |
|       |     |    | 25 | 22.79 | -0.10 | 20.54 | <=34.77 | Pass |
|       |     | 50 | 0  | 22.88 | -0.10 | 20.63 | <=34.77 | Pass |
|       | 710 | 1  | 0  | 23.29 | -0.10 | 21.04 | <=34.77 | Pass |
|       |     |    | 25 | 23.44 | -0.10 | 21.19 | <=34.77 | Pass |
|       |     |    | 49 | 23.42 | -0.10 | 21.17 | <=34.77 | Pass |
|       |     | 25 | 0  | 22.89 | -0.10 | 20.64 | <=34.77 | Pass |
|       |     |    | 13 | 22.86 | -0.10 | 20.61 | <=34.77 | Pass |
|       |     |    | 25 | 22.86 | -0.10 | 20.61 | <=34.77 | Pass |
|       |     | 50 | 0  | 22.90 | -0.10 | 20.65 | <=34.77 | Pass |
|       | 711 | 1  | 0  | 23.43 | -0.10 | 21.18 | <=34.77 | Pass |
|       |     |    | 25 | 23.44 | -0.10 | 21.19 | <=34.77 | Pass |
|       |     |    | 49 | 23.57 | -0.10 | 21.32 | <=34.77 | Pass |
|       |     | 25 | 0  | 22.98 | -0.10 | 20.73 | <=34.77 | Pass |
|       |     |    | 13 | 22.92 | -0.10 | 20.67 | <=34.77 | Pass |
|       |     |    | 25 | 22.99 | -0.10 | 20.74 | <=34.77 | Pass |
|       |     | 50 | 0  | 23.03 | -0.10 | 20.78 | <=34.77 | Pass |
| 16QAM | 709 | 1  | 0  | 22.47 | -0.10 | 20.22 | <=34.77 | Pass |
|       |     |    | 25 | 22.59 | -0.10 | 20.34 | <=34.77 | Pass |
|       |     |    | 49 | 22.64 | -0.10 | 20.39 | <=34.77 | Pass |
|       |     | 25 | 0  | 21.89 | -0.10 | 19.64 | <=34.77 | Pass |
|       |     |    | 13 | 21.91 | -0.10 | 19.66 | <=34.77 | Pass |
|       |     |    | 25 | 21.84 | -0.10 | 19.59 | <=34.77 | Pass |
|       |     | 50 | 0  | 21.83 | -0.10 | 19.58 | <=34.77 | Pass |
|       | 710 | 1  | 0  | 22.21 | -0.10 | 19.96 | <=34.77 | Pass |
|       |     |    | 25 | 22.31 | -0.10 | 20.06 | <=34.77 | Pass |
|       |     |    | 49 | 22.37 | -0.10 | 20.12 | <=34.77 | Pass |
|       |     | 25 | 0  | 21.91 | -0.10 | 19.66 | <=34.77 | Pass |
|       |     |    | 13 | 21.90 | -0.10 | 19.65 | <=34.77 | Pass |
|       |     |    | 25 | 21.87 | -0.10 | 19.62 | <=34.77 | Pass |
|       |     | 50 | 0  | 21.87 | -0.10 | 19.62 | <=34.77 | Pass |
|       | 711 | 1  | 0  | 22.58 | -0.10 | 20.33 | <=34.77 | Pass |
|       |     |    | 25 | 22.58 | -0.10 | 20.33 | <=34.77 | Pass |
|       |     |    | 49 | 22.70 | -0.10 | 20.45 | <=34.77 | Pass |
|       |     | 25 | 0  | 21.97 | -0.10 | 19.72 | <=34.77 | Pass |
|       |     |    | 13 | 21.92 | -0.10 | 19.67 | <=34.77 | Pass |
|       |     |    | 25 | 21.97 | -0.10 | 19.72 | <=34.77 | Pass |
|       |     | 50 | 0  | 21.98 | -0.10 | 19.73 | <=34.77 | Pass |

Note1: ERP=Conducted Power+Antenna Gain-2.15

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B17\_5MHz

| Band: 17 / Bandwidth: 5MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 706.5           | 25            | 0      | 20         | 3.23          | 0.787            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.80          | -1.917           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.37          | -2.575           | -0.0036               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.80          | 0.086            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.80          | -0.386           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.80          | 1.130            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.80          | -1.073           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.80          | -0.787           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.80          | 0.901            | 0.0013                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.80          | -1.245           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.80          | 0.343            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            | 710             | 25            | 0      | 20         | 3.23          | -0.100           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.80          | -1.202           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.37          | 1.144            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.80          | -3.633           | -0.0051               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.80          | -1.059           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.80          | -4.606           | -0.0065               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.80          | 1.974            | 0.0028                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.80          | -0.129           | -0.0002               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.80          | 2.646            | 0.0037                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.80          | 0.815            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.80          | 2.146            | 0.0030                | -2.5 to 2.5 | Pass    |
|                            | 713.5           | 25            | 0      | 20         | 3.23          | 0.415            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.80          | 1.431            | 0.0020                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.37          | -1.574           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.80          | -3.061           | -0.0043               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.80          | -1.531           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.80          | 1.616            | 0.0023                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.80          | 0.629            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.80          | -0.329           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.80          | -1.001           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.80          | 2.532            | 0.0035                | -2.5 to 2.5 | Pass    |
| 16QAM                      | 706.5           | 25            | 0      | 20         | 3.23          | -3.548           | -0.0050               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.80          | 0.515            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.37          | -2.131           | -0.0030               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.80          | -1.302           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.80          | -0.758           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.80          | -1.388           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.80          | -2.604           | -0.0037               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.80          | -2.303           | -0.0033               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.80          | -0.715           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.80          | 2.160            | 0.0031                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.80          | 1.945            | 0.0028                | -2.5 to 2.5 | Pass    |
|                            | 710             | 25            | 0      | 20         | 3.23          | -2.689           | -0.0038               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.80          | -0.730           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.37          | -2.475           | -0.0035               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.80          | 1.545            | 0.0022                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.80          | -0.801           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.80          | -0.930           | -0.0013               | -2.5 to 2.5 | Pass    |

|  |       |    |   |     |      |        |         |             |      |
|--|-------|----|---|-----|------|--------|---------|-------------|------|
|  |       |    |   | 0   | 3.80 | -3.247 | -0.0046 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.80 | -1.574 | -0.0022 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.80 | -3.562 | -0.0050 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.80 | -2.518 | -0.0035 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.80 | 0.086  | 0.0001  | -2.5 to 2.5 | Pass |
|  | 713.5 | 25 | 0 | 20  | 3.23 | -0.257 | -0.0004 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 3.80 | 0.072  | 0.0001  | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.37 | 1.159  | 0.0016  | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.80 | 1.445  | 0.0020  | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.80 | -1.616 | -0.0023 | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.80 | -2.074 | -0.0029 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.80 | -1.245 | -0.0017 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.80 | -2.375 | -0.0033 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.80 | 3.076  | 0.0043  | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.80 | 1.545  | 0.0022  | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.80 | -0.472 | -0.0007 | -2.5 to 2.5 | Pass |

## 2.1.2 B17\_10MHz

| Band: 17 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 709             | 50            | 0      | 20         | 3.23          | -2.961           | -0.0042               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.80          | -1.345           | -0.0019               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.37          | -0.315           | -0.0004               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.80          | 1.616            | 0.0023                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.80          | -0.787           | -0.0011               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.80          | -0.257           | -0.0004               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.80          | -2.546           | -0.0036               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.80          | 0.443            | 0.0006                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.80          | -1.574           | -0.0022               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.80          | -2.017           | -0.0028               | -2.5 to 2.5 | Pass    |
|                             | 710             | 50            | 0      | 20         | 3.23          | -0.286           | -0.0004               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.80          | 0.558            | 0.0008                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.37          | 0.143            | 0.0002                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.80          | 0.944            | 0.0013                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.80          | 0.129            | 0.0002                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.80          | -2.804           | -0.0039               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.80          | 0.687            | 0.0010                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.80          | -0.501           | -0.0007               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.80          | -0.472           | -0.0007               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.80          | -0.329           | -0.0005               | -2.5 to 2.5 | Pass    |
|                             | 711             | 50            | 0      | 20         | 3.23          | -1.402           | -0.0020               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.80          | -0.043           | -0.0001               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.37          | -2.518           | -0.0035               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.80          | 1.130            | 0.0016                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.80          | 0.415            | 0.0006                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.80          | -1.144           | -0.0016               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.80          | 0.916            | 0.0013                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.80          | -0.558           | -0.0008               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.80          | -1.402           | -0.0020               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.80          | -1.688           | -0.0024               | -2.5 to 2.5 | Pass    |
| 16QAM                       | 709             | 50            | 0      | 20         | 3.23          | -1.545           | -0.0022               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.80          | -2.990           | -0.0042               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.37          | -0.758           | -0.0011               | -2.5 to 2.5 | Pass    |

|  |     |    |   |     |      |        |         |             |      |
|--|-----|----|---|-----|------|--------|---------|-------------|------|
|  |     |    |   | -30 | 3.80 | -1.302 | -0.0018 | -2.5 to 2.5 | Pass |
|  |     |    |   | -20 | 3.80 | -2.160 | -0.0030 | -2.5 to 2.5 | Pass |
|  |     |    |   | -10 | 3.80 | -0.372 | -0.0005 | -2.5 to 2.5 | Pass |
|  |     |    |   | 0   | 3.80 | -1.030 | -0.0015 | -2.5 to 2.5 | Pass |
|  |     |    |   | 10  | 3.80 | -0.644 | -0.0009 | -2.5 to 2.5 | Pass |
|  |     |    |   | 30  | 3.80 | -1.130 | -0.0016 | -2.5 to 2.5 | Pass |
|  |     |    |   | 40  | 3.80 | -2.847 | -0.0040 | -2.5 to 2.5 | Pass |
|  |     |    |   | 50  | 3.80 | -1.502 | -0.0021 | -2.5 to 2.5 | Pass |
|  | 710 | 50 | 0 | 20  | 3.23 | 0.057  | 0.0001  | -2.5 to 2.5 | Pass |
|  |     |    |   |     | 3.80 | 2.303  | 0.0032  | -2.5 to 2.5 | Pass |
|  |     |    |   |     | 4.37 | -1.674 | -0.0024 | -2.5 to 2.5 | Pass |
|  |     |    |   | -30 | 3.80 | -0.715 | -0.0010 | -2.5 to 2.5 | Pass |
|  |     |    |   | -20 | 3.80 | 0.701  | 0.0010  | -2.5 to 2.5 | Pass |
|  |     |    |   | -10 | 3.80 | -0.486 | -0.0007 | -2.5 to 2.5 | Pass |
|  |     |    |   | 0   | 3.80 | 0.029  | 0.0000  | -2.5 to 2.5 | Pass |
|  |     |    |   | 10  | 3.80 | -0.572 | -0.0008 | -2.5 to 2.5 | Pass |
|  |     |    |   | 30  | 3.80 | 1.574  | 0.0022  | -2.5 to 2.5 | Pass |
|  |     |    |   | 40  | 3.80 | -1.516 | -0.0021 | -2.5 to 2.5 | Pass |
|  |     |    |   | 50  | 3.80 | 1.402  | 0.0020  | -2.5 to 2.5 | Pass |
|  | 711 | 50 | 0 | 20  | 3.23 | -1.488 | -0.0021 | -2.5 to 2.5 | Pass |
|  |     |    |   |     | 3.80 | -3.905 | -0.0055 | -2.5 to 2.5 | Pass |
|  |     |    |   |     | 4.37 | -2.160 | -0.0030 | -2.5 to 2.5 | Pass |
|  |     |    |   | -30 | 3.80 | -2.904 | -0.0041 | -2.5 to 2.5 | Pass |
|  |     |    |   | -20 | 3.80 | -0.243 | -0.0003 | -2.5 to 2.5 | Pass |
|  |     |    |   | -10 | 3.80 | -0.501 | -0.0007 | -2.5 to 2.5 | Pass |
|  |     |    |   | 0   | 3.80 | -0.930 | -0.0013 | -2.5 to 2.5 | Pass |
|  |     |    |   | 10  | 3.80 | -1.631 | -0.0023 | -2.5 to 2.5 | Pass |
|  |     |    |   | 30  | 3.80 | -1.016 | -0.0014 | -2.5 to 2.5 | Pass |
|  |     |    |   | 40  | 3.80 | -0.415 | -0.0006 | -2.5 to 2.5 | Pass |
|  |     |    |   | 50  | 3.80 | -2.775 | -0.0039 | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

##### 3.1.1 B17\_5MHz

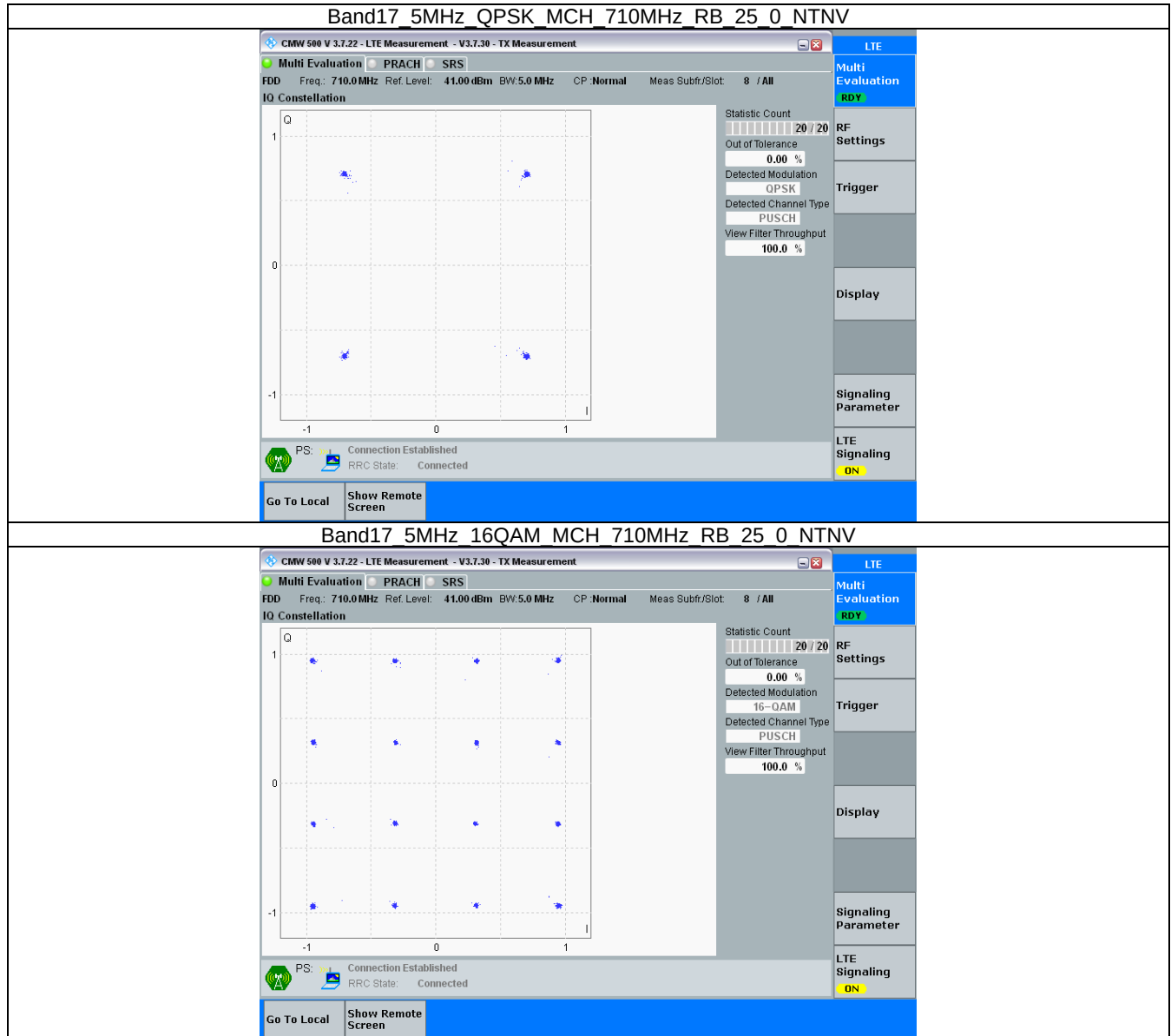
| Band: 17 / Bandwidth: 5MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 710             | 25            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 710             | 25            | 0      | Refer To Test Graph        |       | Pass    |

##### 3.1.2 B17\_10MHz

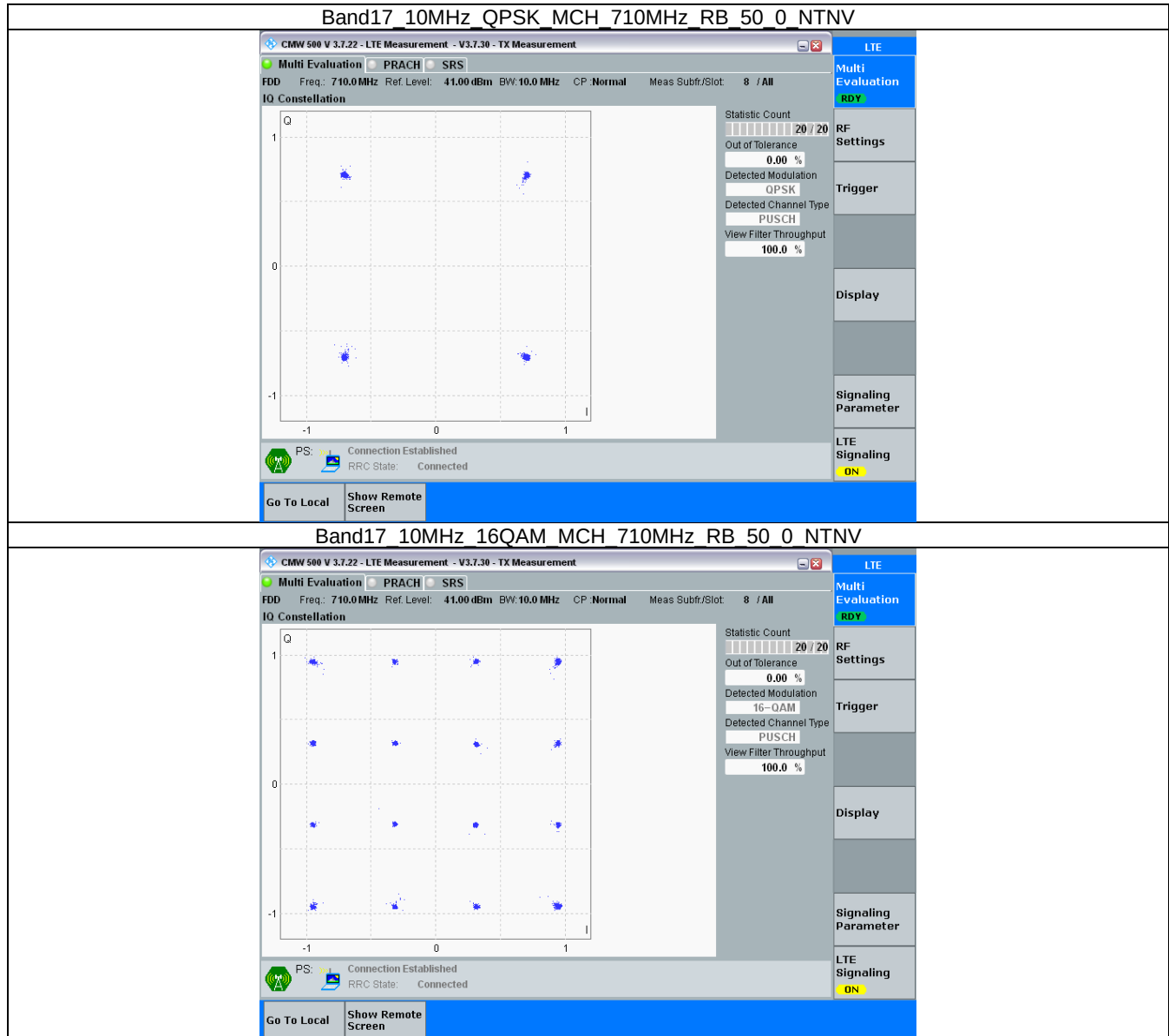
| Band: 17 / Bandwidth: 10MHz / NTNV |                 |               |        |                            |       |         |
|------------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                    |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                               | 710             | 50            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                              | 710             | 50            | 0      | Refer To Test Graph        |       | Pass    |

## 3.2 Test Graph

### 3.2.1 B17\_5MHz



### 3.2.2 B17\_10MHz



## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 Band17\_OBW

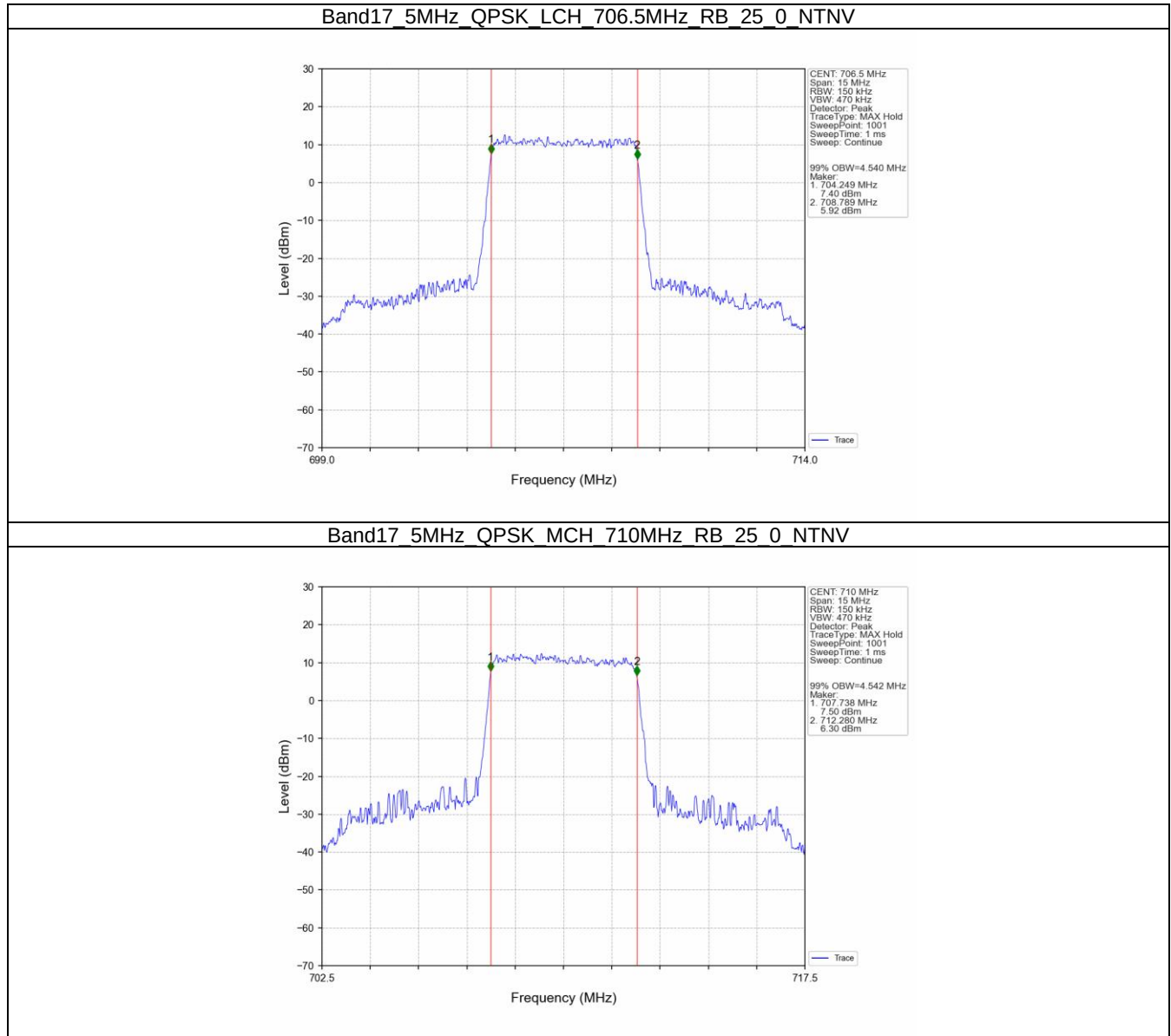
| Band: 17 / NTNV |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 5               | QPSK       | 706.5           | 25            | 0      | 4.540                        | /     | Pass    |
|                 |            | 710             | 25            | 0      | 4.542                        | /     | Pass    |
|                 |            | 713.5           | 25            | 0      | 4.566                        | /     | Pass    |
|                 | 16QAM      | 706.5           | 25            | 0      | 4.544                        | /     | Pass    |
|                 |            | 710             | 25            | 0      | 4.552                        | /     | Pass    |
|                 |            | 713.5           | 25            | 0      | 4.542                        | /     | Pass    |
| 10              | QPSK       | 709             | 50            | 0      | 9.029                        | /     | Pass    |
|                 |            | 710             | 50            | 0      | 9.058                        | /     | Pass    |
|                 |            | 711             | 50            | 0      | 9.068                        | /     | Pass    |
|                 | 16QAM      | 709             | 50            | 0      | 9.037                        | /     | Pass    |
|                 |            | 710             | 50            | 0      | 9.064                        | /     | Pass    |
|                 |            | 711             | 50            | 0      | 9.052                        | /     | Pass    |

#### 4.1.2 Band17\_XDB

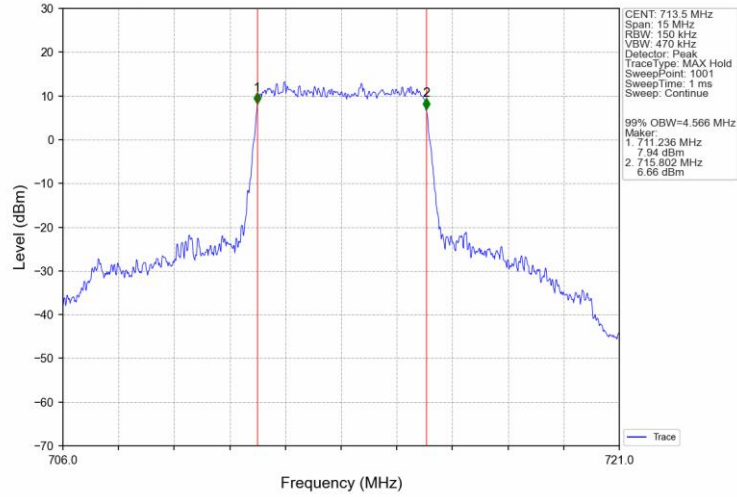
| Band: 17 / NTNV |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 706.5           | 25            | 0      | 5.046                | /     | Pass    |
|                 |            | 710             | 25            | 0      | 5.036                | /     | Pass    |
|                 |            | 713.5           | 25            | 0      | 5.086                | /     | Pass    |
|                 | 16QAM      | 706.5           | 25            | 0      | 5.048                | /     | Pass    |
|                 |            | 710             | 25            | 0      | 5.035                | /     | Pass    |
|                 |            | 713.5           | 25            | 0      | 5.031                | /     | Pass    |
| 10              | QPSK       | 709             | 50            | 0      | 9.977                | /     | Pass    |
|                 |            | 710             | 50            | 0      | 9.940                | /     | Pass    |
|                 |            | 711             | 50            | 0      | 9.979                | /     | Pass    |
|                 | 16QAM      | 709             | 50            | 0      | 10.018               | /     | Pass    |
|                 |            | 710             | 50            | 0      | 9.948                | /     | Pass    |
|                 |            | 711             | 50            | 0      | 9.941                | /     | Pass    |

## 4.2 Test Graph

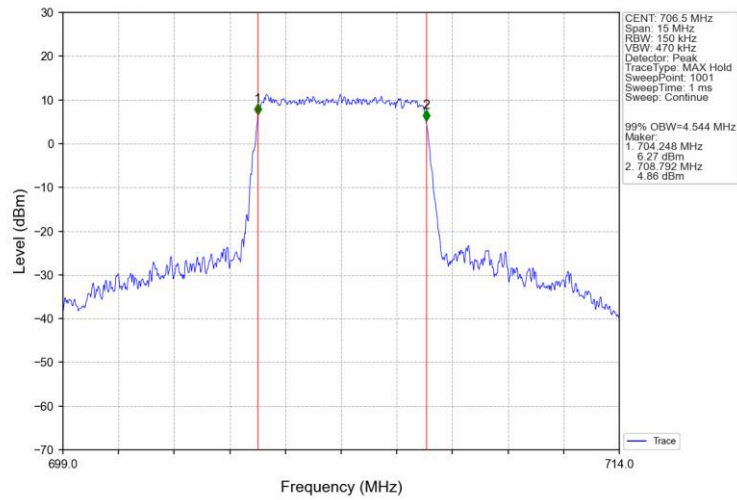
### 4.2.1 Band17\_OBW



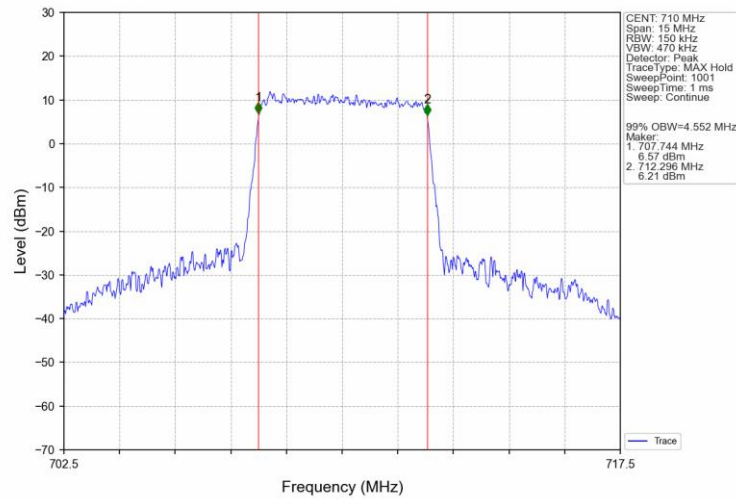
### Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



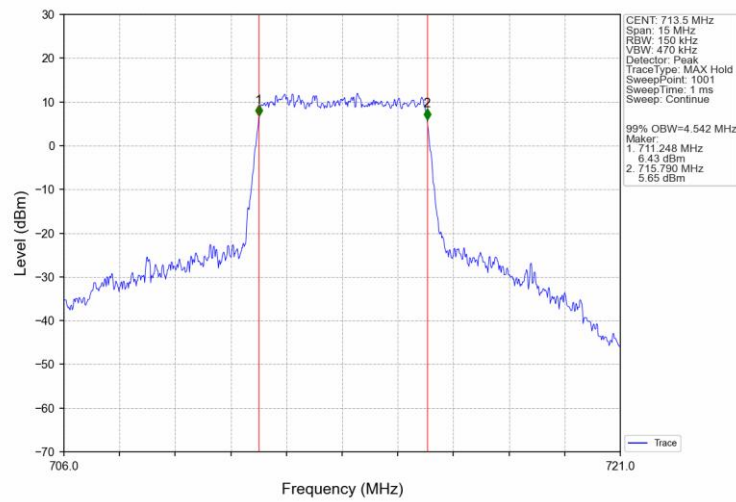
### Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



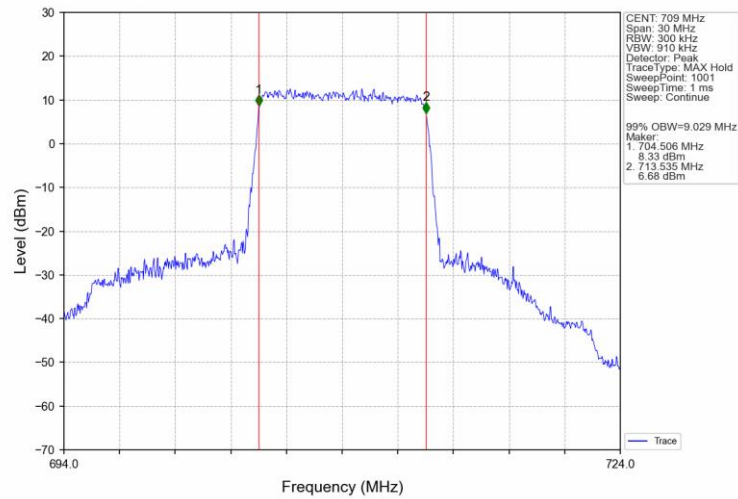
Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_25\_0\_NTNV



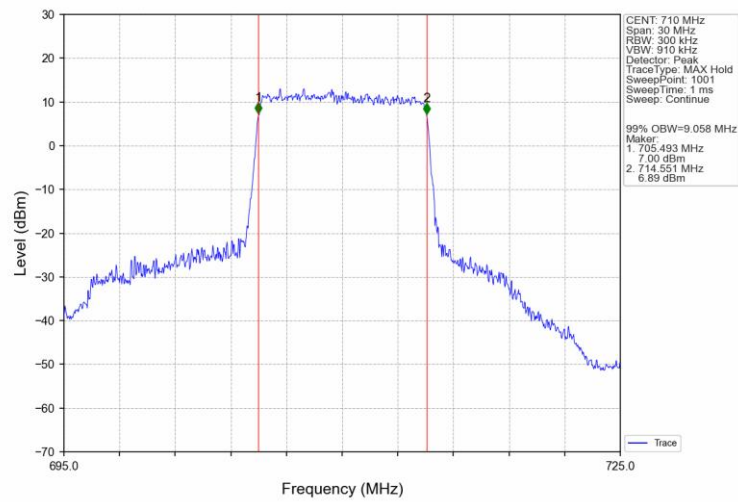
Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



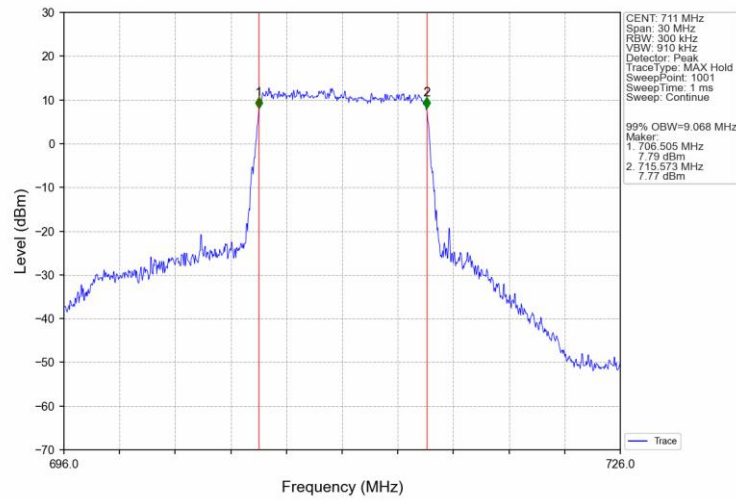
### Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_50\_0\_NTNV



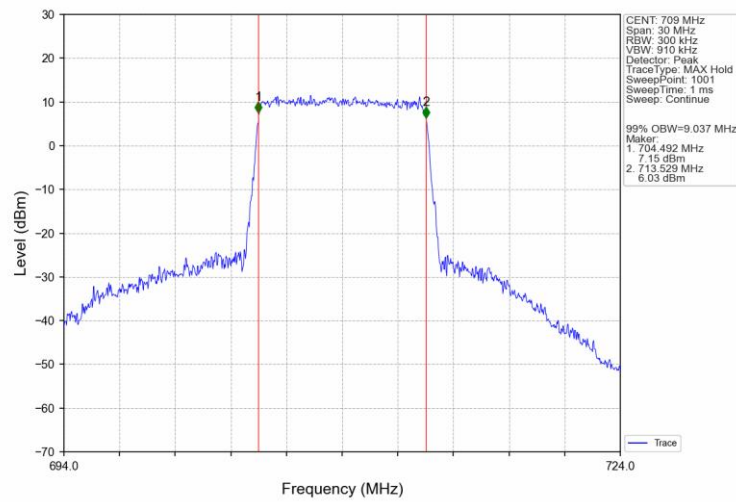
### Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_50\_0\_NTNV



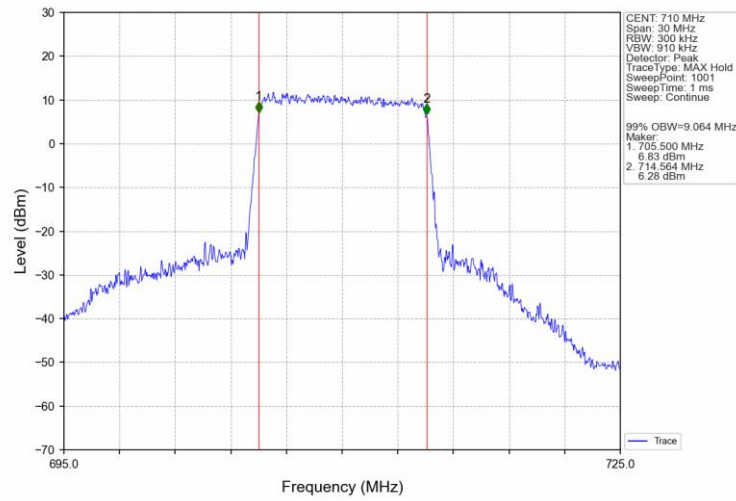
### Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



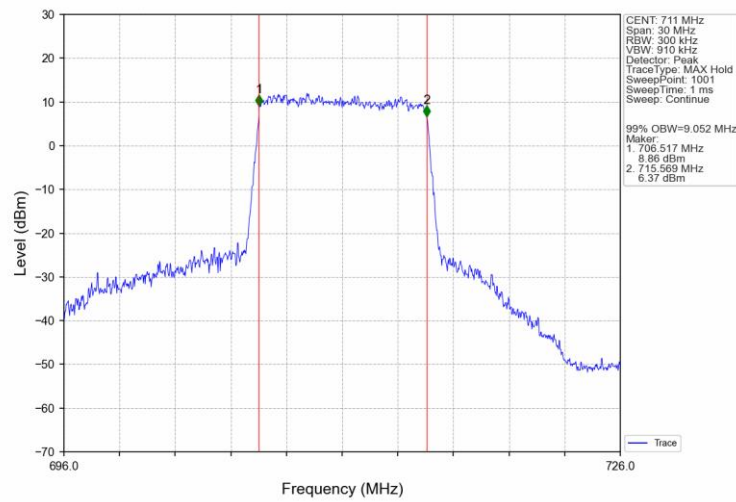
### Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV



Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_50\_0\_NTNV

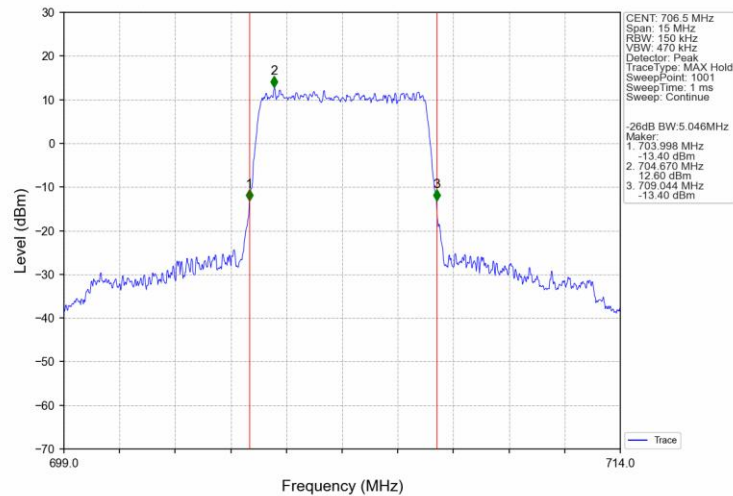


Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV

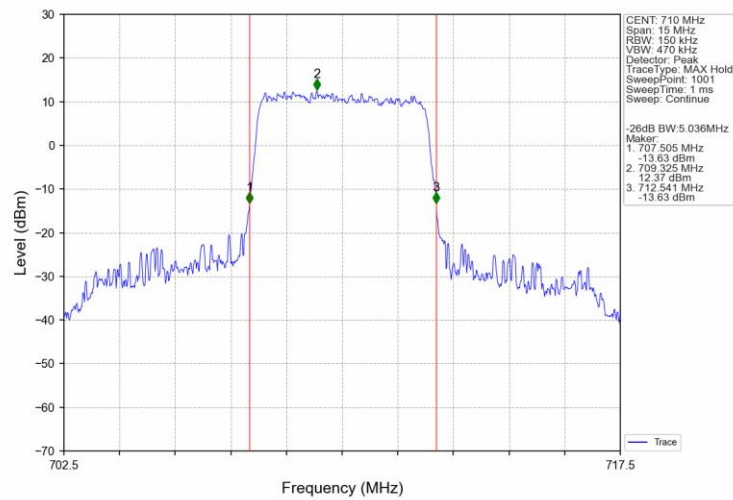


## 4.2.2 Band17\_XDB

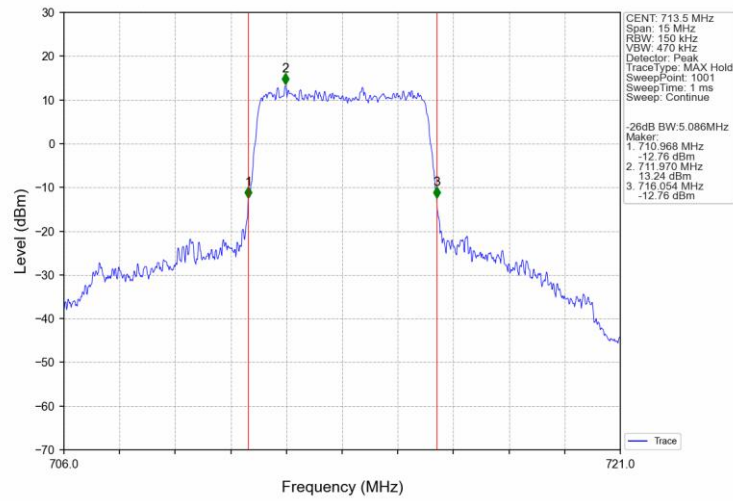
Band17\_5MHz\_QPSK\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



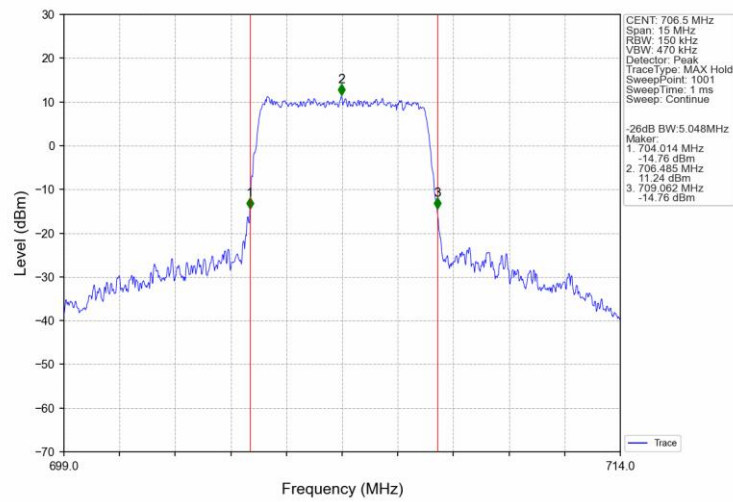
Band17\_5MHz\_QPSK\_MCH\_710MHz\_RB\_25\_0\_NTNV



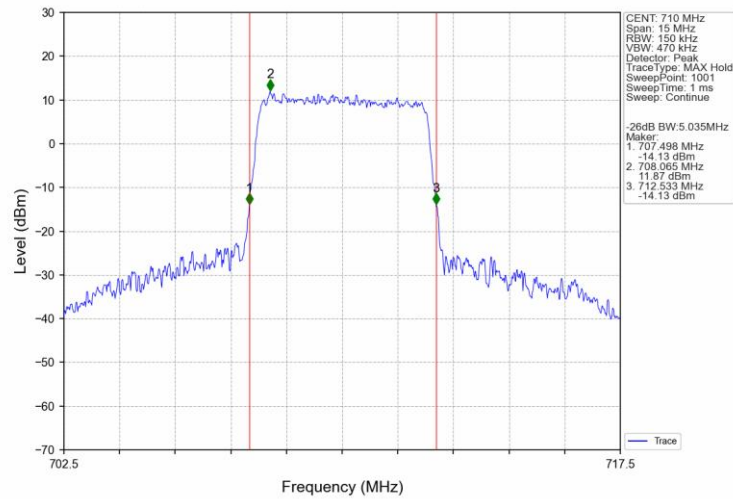
### Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



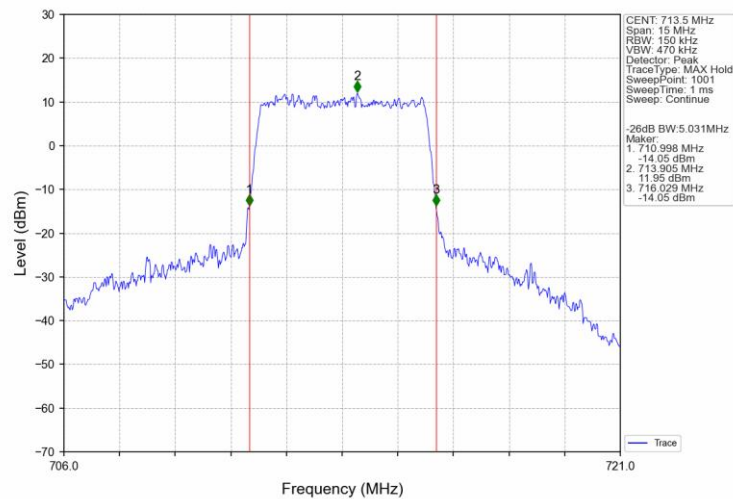
### Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



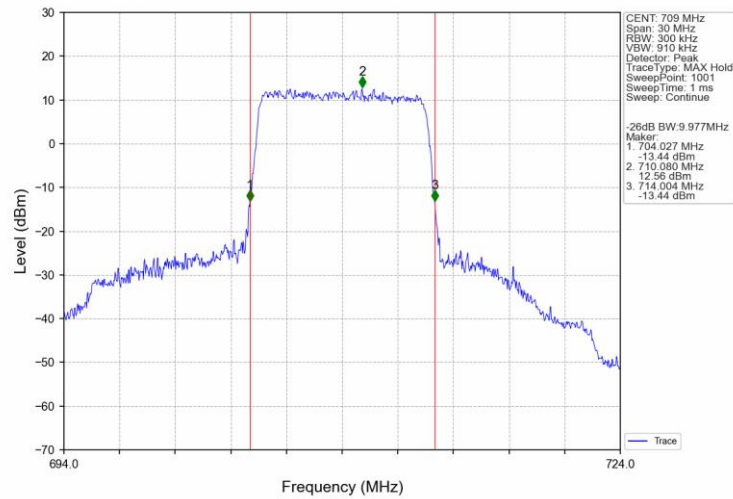
### Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_25\_0\_NTNV



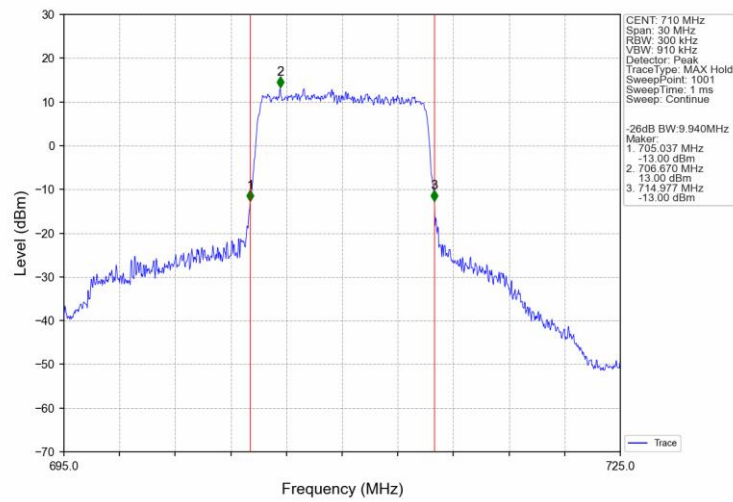
### Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



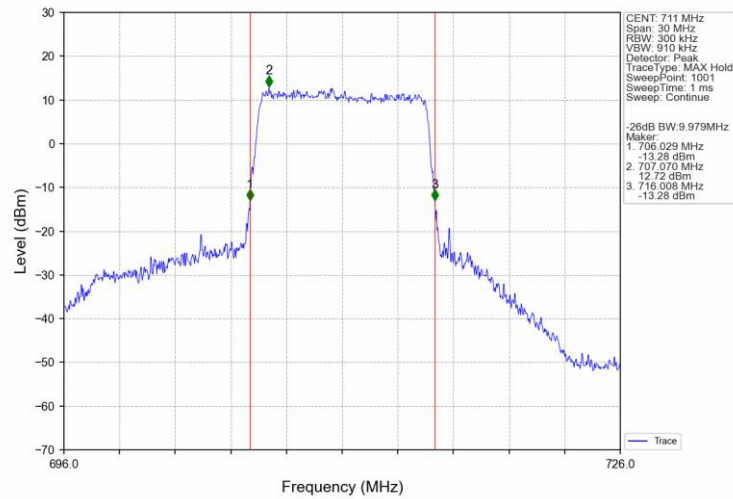
### Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_50\_0\_NTNV



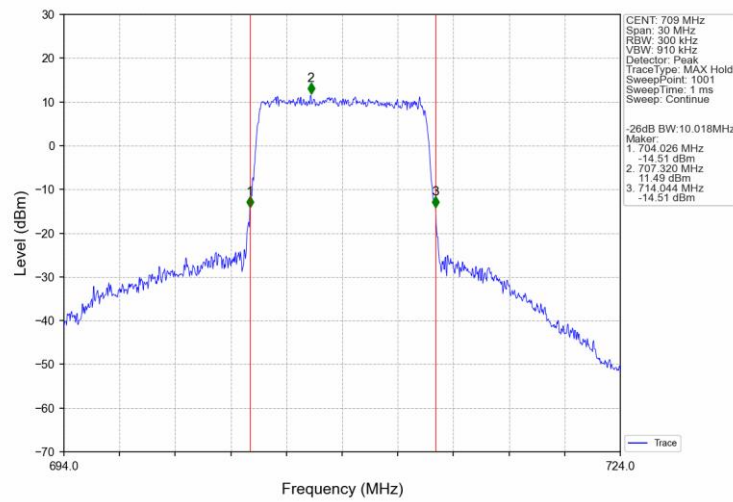
### Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_50\_0\_NTNV



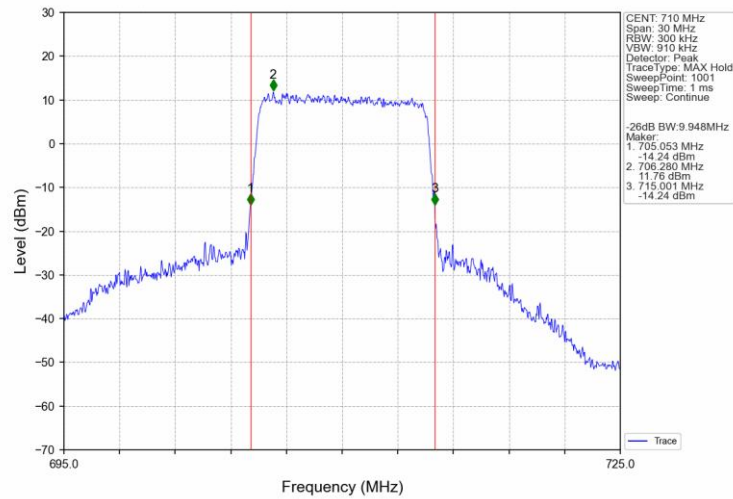
### Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



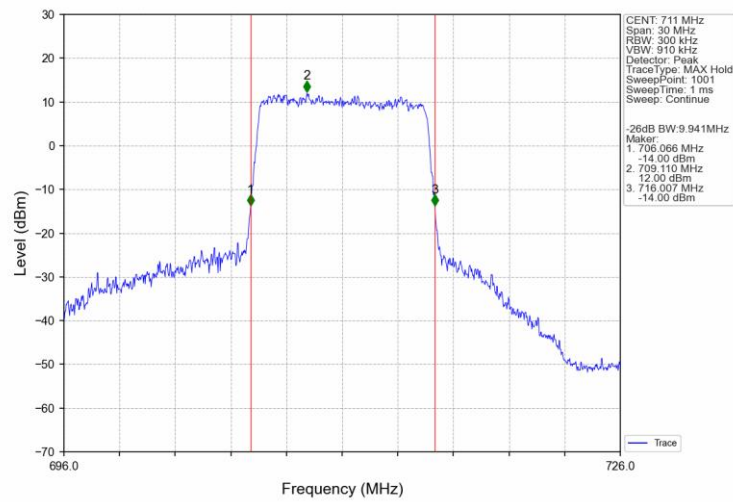
### Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV



Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_50\_0\_NTNV



Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV



## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 B17\_5MHz

| Band: 17 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 706.5           | 25            | 0      | 5.36                    | <=13  | Pass    |
|                                   | 710             | 25            | 0      | 5.44                    | <=13  | Pass    |
|                                   | 713.5           | 25            | 0      | 5.31                    | <=13  | Pass    |
| 16QAM                             | 706.5           | 25            | 0      | 6.09                    | <=13  | Pass    |
|                                   | 710             | 25            | 0      | 6.15                    | <=13  | Pass    |
|                                   | 713.5           | 25            | 0      | 5.96                    | <=13  | Pass    |

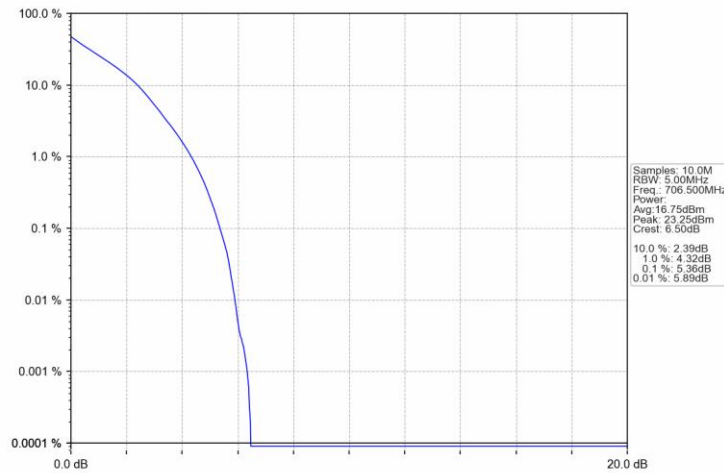
#### 5.1.2 B17\_10MHz

| Band: 17 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 709             | 50            | 0      | 5.29                    | <=13  | Pass    |
|                                    | 710             | 50            | 0      | 5.24                    | <=13  | Pass    |
|                                    | 711             | 50            | 0      | 5.37                    | <=13  | Pass    |
| 16QAM                              | 709             | 50            | 0      | 6.09                    | <=13  | Pass    |
|                                    | 710             | 50            | 0      | 6.07                    | <=13  | Pass    |
|                                    | 711             | 50            | 0      | 6.12                    | <=13  | Pass    |

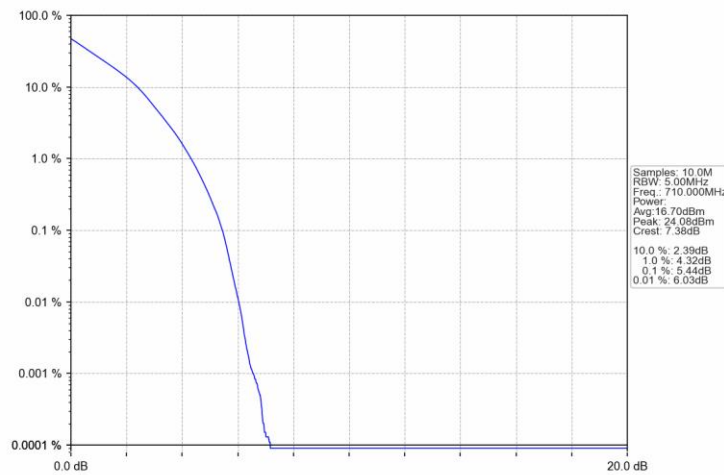
## 5.2 Test Graph

### 5.2.1 B17\_5MHz

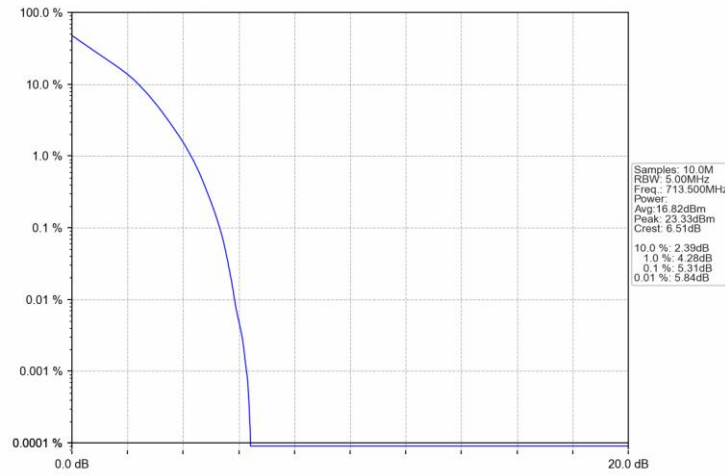
Band17 5MHz QPSK LCH 706.5MHz RB 25 0 NTNV



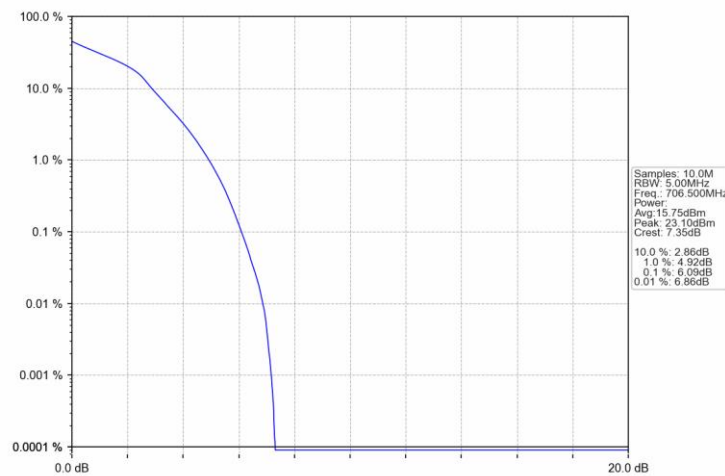
Band17 5MHz QPSK MCH 710MHz RB 25 0 NTNV



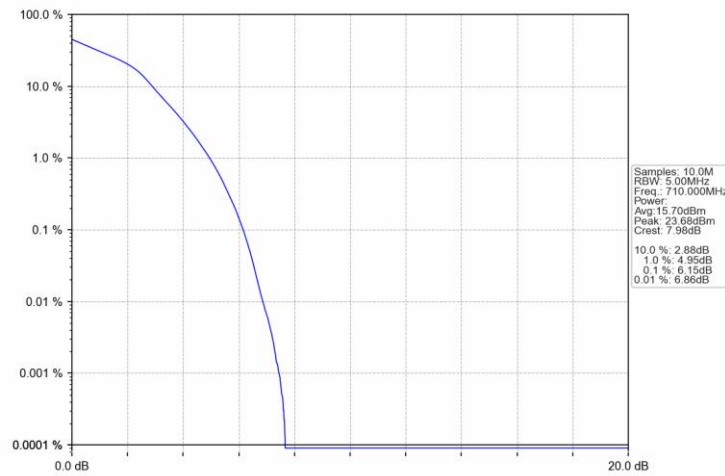
Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



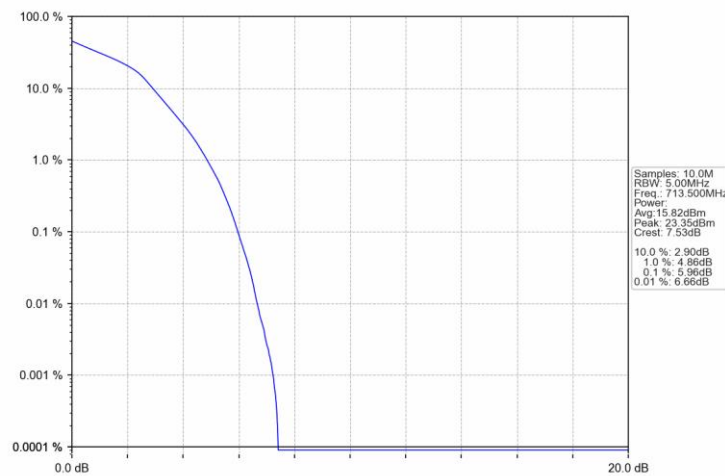
Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_25\_0\_NTNV

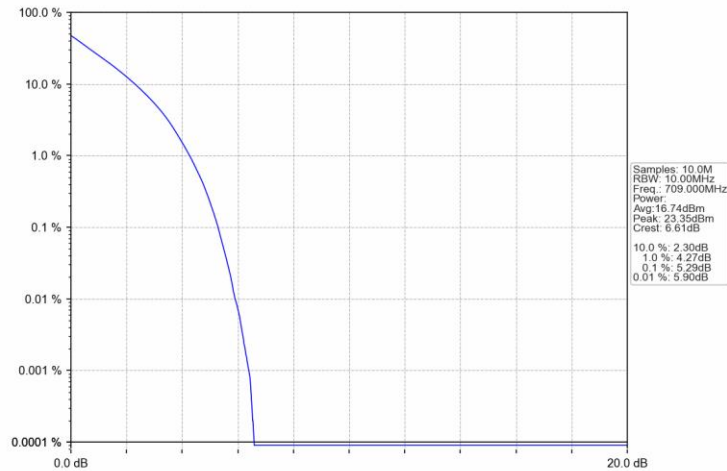


Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV

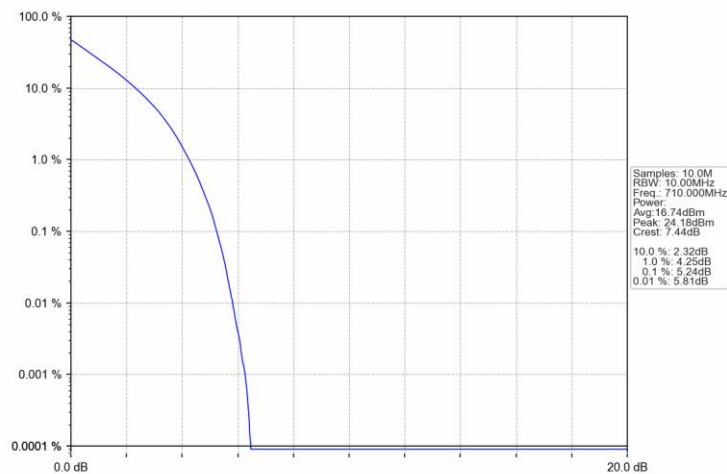


## 5.2.2 B17\_10MHz

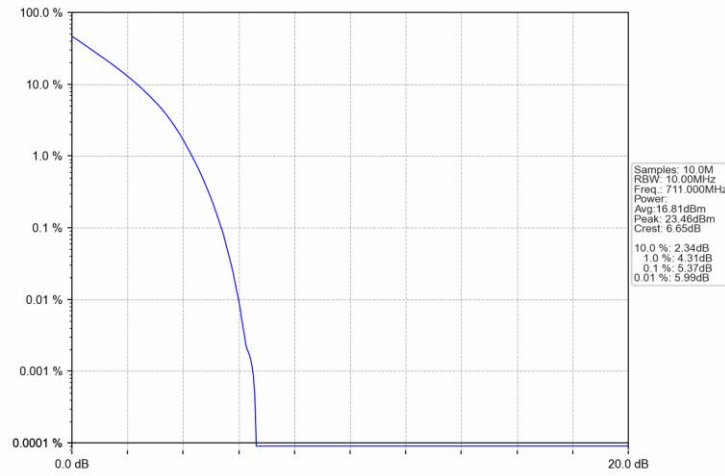
Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_50\_0\_NTNV



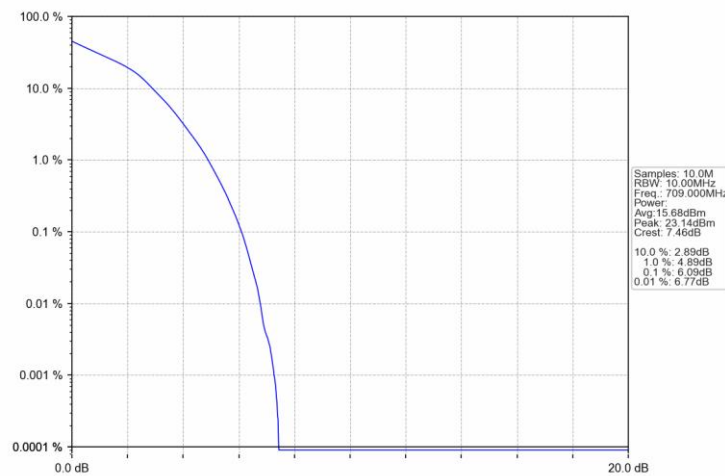
Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_50\_0\_NTNV



Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV

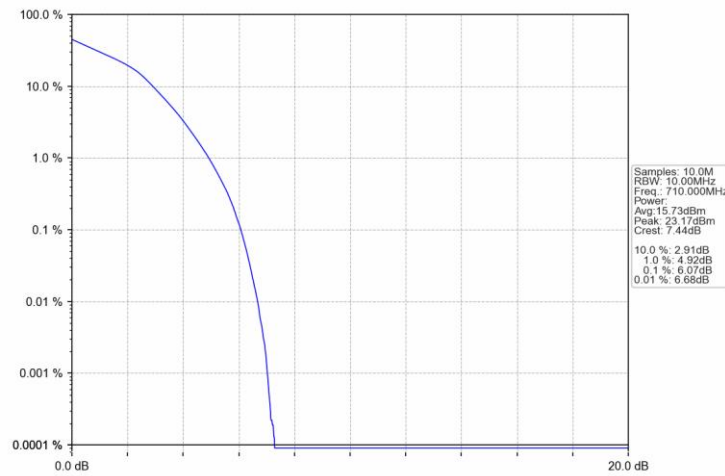


Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV

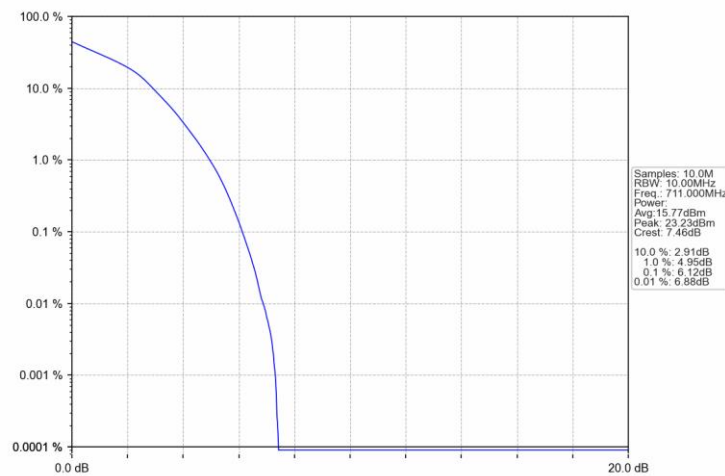




Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_50\_0\_NTNV



Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV



## 6. Spurious Emission

### 6.1 Test Result

#### 6.1.1 B17\_5MHz

| Band: 17 / Bandwidth: 5MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit |         |
| QPSK                             | 706.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 710             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 713.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                            | 706.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 710             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 713.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |

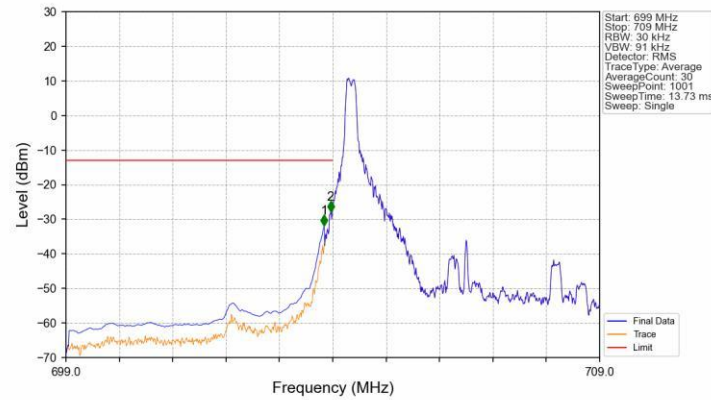
#### 6.1.2 B17\_10MHz

| Band: 17 / Bandwidth: 10MHz / NTNV |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                    |                 | Size          | Offset | Result              | Limit |         |
| QPSK                               | 709             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                    | 710             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 711             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                    |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                              | 709             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                    | 710             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 711             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                    |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 0      | Refer To Test Graph |       | Pass    |

## 6.2 Test Graph

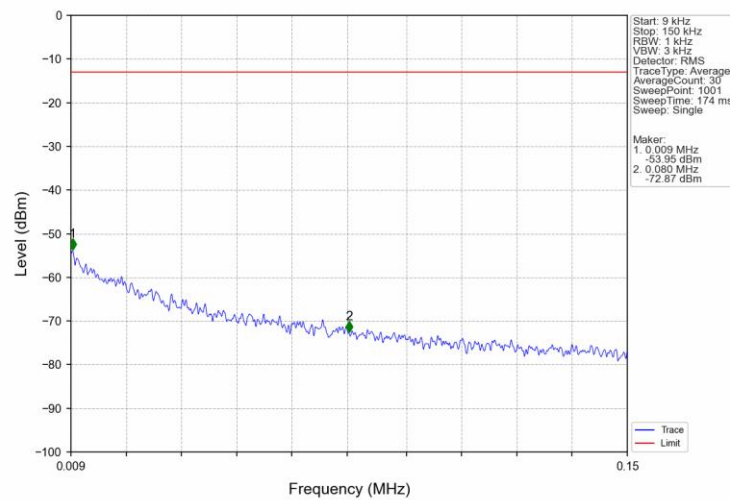
### 6.2.1 B17\_5MHz

Band17\_5MHz\_QPSK\_LCH\_706.5MHz\_RB\_1\_0\_NTNV

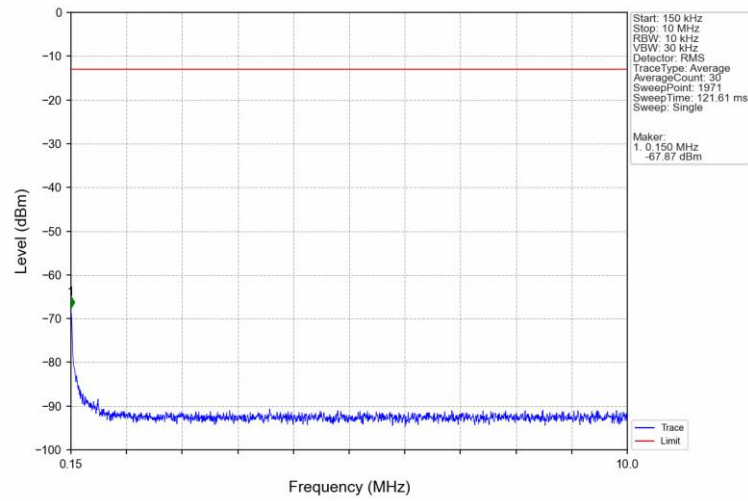


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 699         | 703.9      | 0.1       | CHP    | 1          | 703.840    | -31.86      | -13         | Pass   |
| 703.9       | 704        | 0.03      | /      | 2          | 703.960    | -27.85      | -13         | Pass   |
| 704         | 709        | 0.03      | /      | /          | /          | /           | /           | /      |

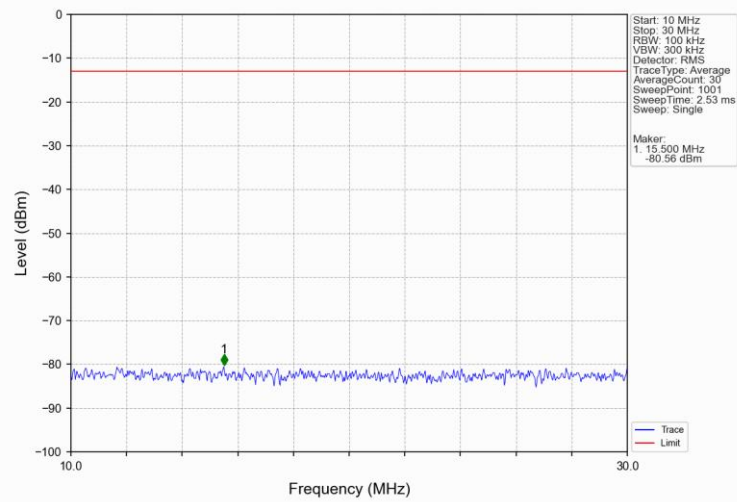
Band17\_5MHz\_QPSK\_LCH\_706.5MHz\_RB\_1\_0\_NTNV



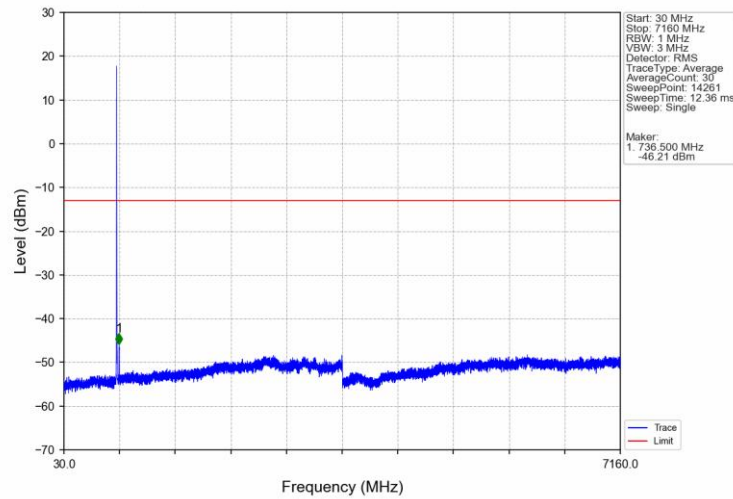
### Band17\_5MHz\_QPSK\_LCH\_706.5MHz\_RB\_1\_0\_NTNV



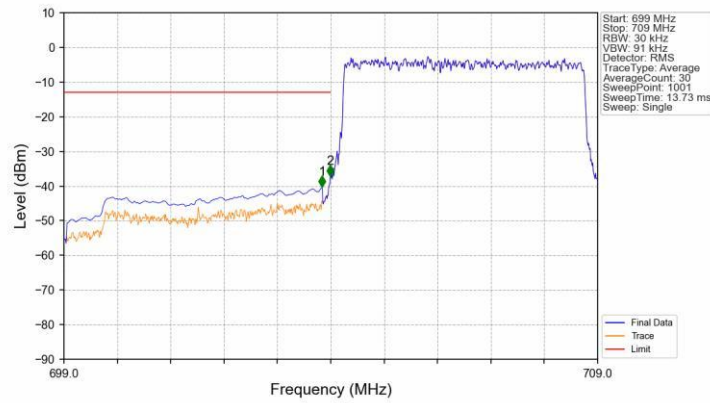
### Band17\_5MHz\_QPSK\_LCH\_706.5MHz\_RB\_1\_0\_NTNV



### Band17\_5MHz\_QPSK\_LCH\_706.5MHz\_RB\_1\_0\_NTNV

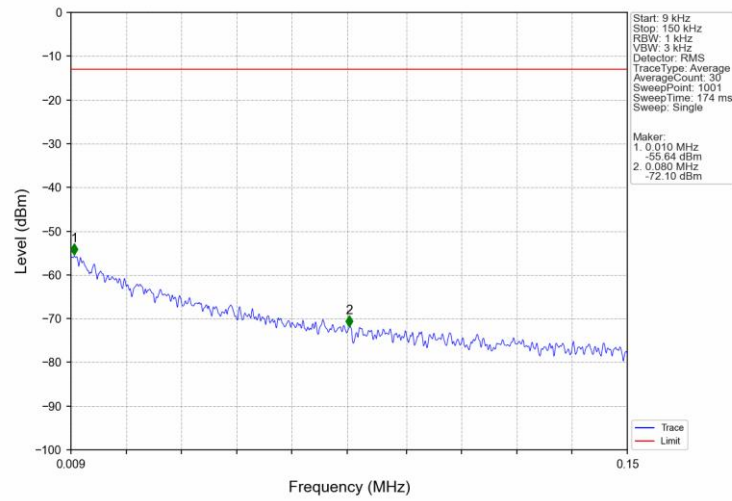


### Band17\_5MHz\_QPSK\_LCH\_706.5MHz\_RB\_25\_0\_NTNV

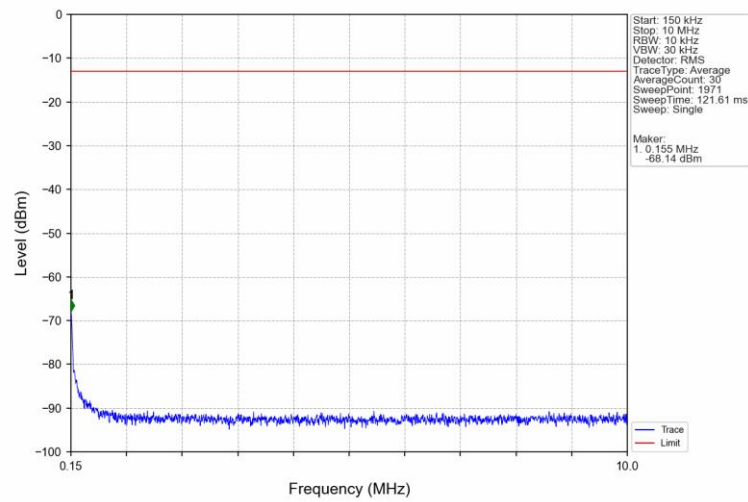


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 699         | 703.9      | 0.1       | CHP    | 1          | 703.840    | -40.29      | -13         | Pass   |
| 703.9       | 704        | 0.03      | /      | 2          | 703.990    | -37.15      | -13         | Pass   |
| 704         | 709        | 0.03      | /      | /          | /          | /           | /           | /      |

### Band17\_5MHz\_QPSK\_MCH\_710MHz\_RB\_1\_0\_NTNV

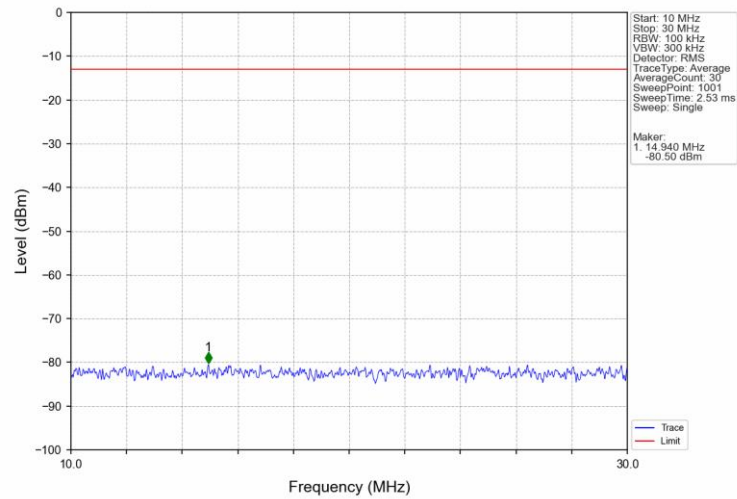


### Band17\_5MHz\_QPSK\_MCH\_710MHz\_RB\_1\_0\_NTNV

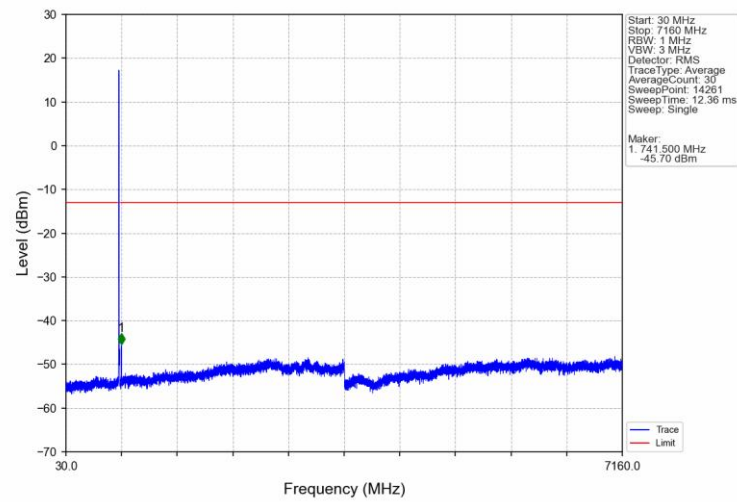




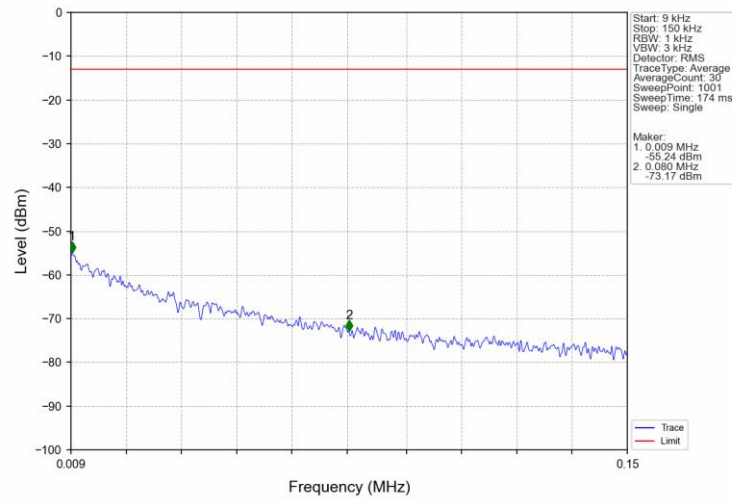
## Band17\_5MHz\_QPSK\_MCH\_710MHz\_RB\_1\_0\_NTNV



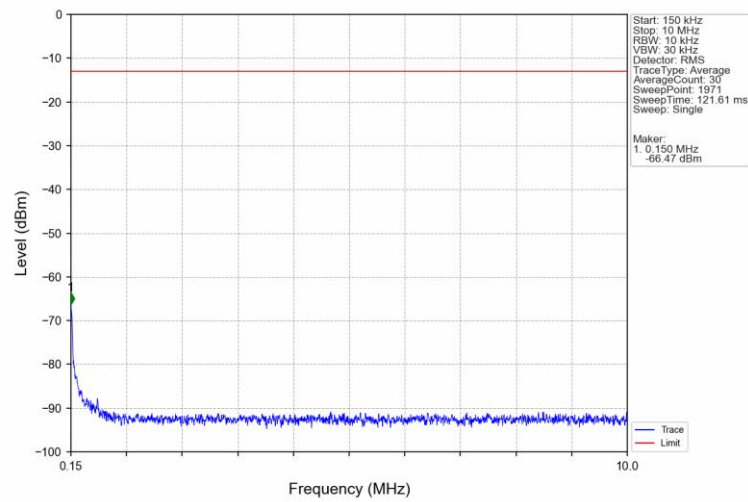
## Band17\_5MHz\_QPSK\_MCH\_710MHz\_RB\_1\_0\_NTNV



### Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_1\_0\_NTNV

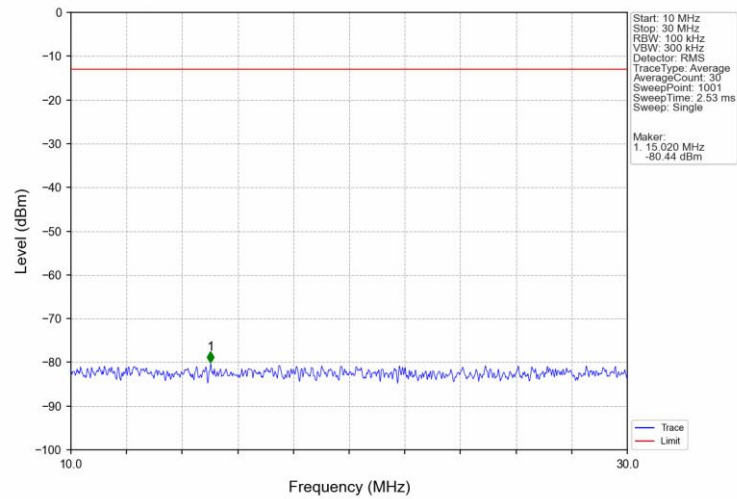


### Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_1\_0\_NTNV

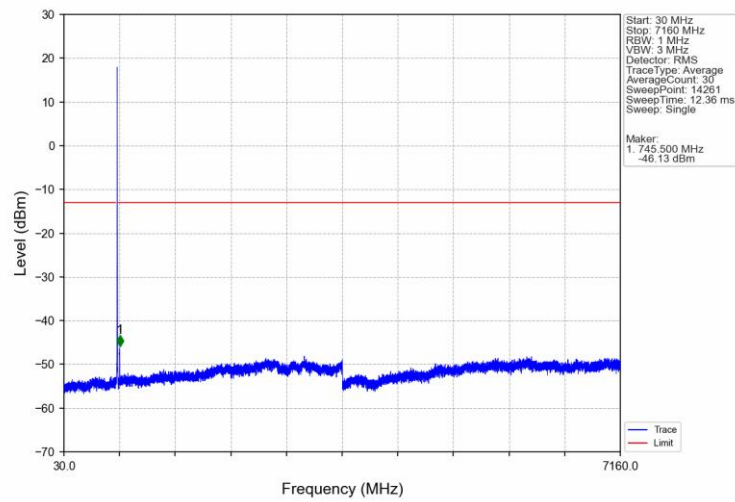




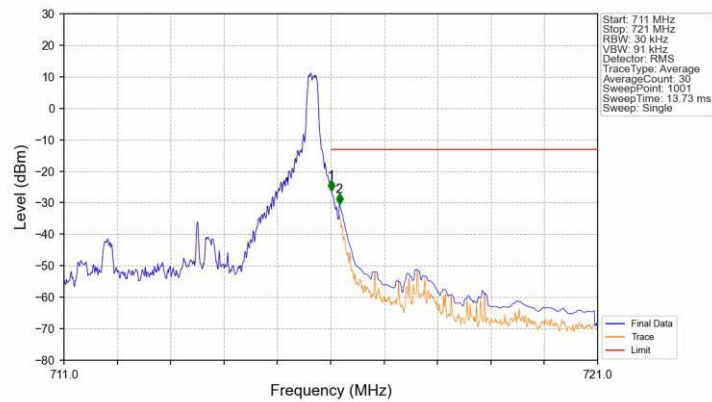
## Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_1\_0\_NTNV



## Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_1\_0\_NTNV

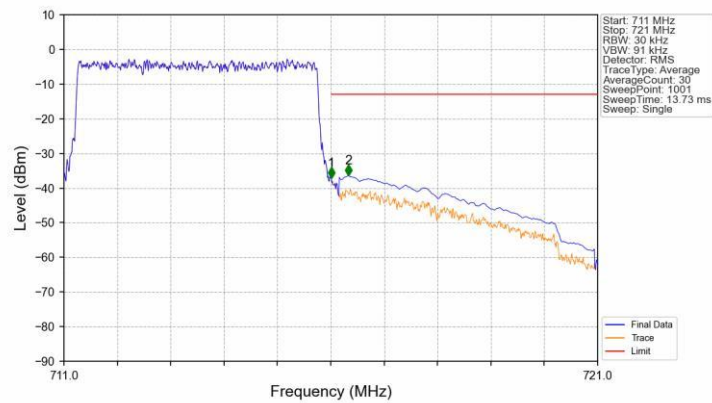


### Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_1\_24\_NTNV



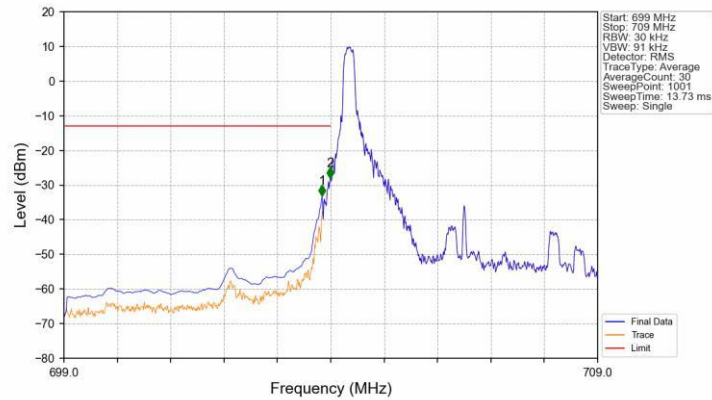
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 711         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.010    | -26.19      | -13         | Pass   |
| 716.1       | 721        | 0.1       | CHP    | 2          | 716.160    | -30.36      | -13         | Pass   |

### Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



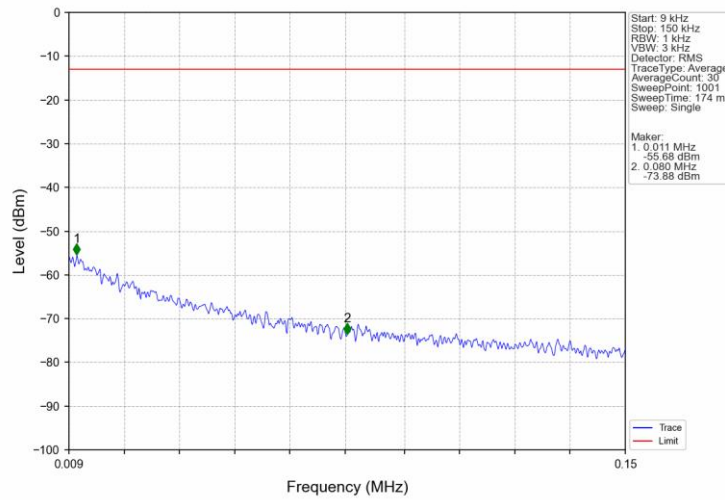
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 711         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.010    | -37.19      | -13         | Pass   |
| 716.1       | 721        | 0.1       | CHP    | 2          | 716.330    | -36.39      | -13         | Pass   |

### Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_1\_0\_NTNV

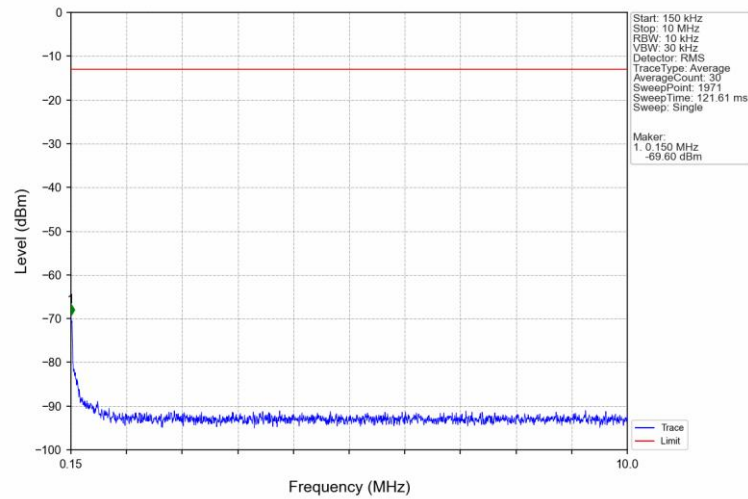


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 699         | 703.9      | 0.1       | CHP    | 1          | 703.840    | -33.16      | -13         | Pass   |
| 703.9       | 704        | 0.03      | /      | 2          | 703.990    | -27.99      | -13         | Pass   |
| 704         | 709        | 0.03      | /      | /          | /          | /           | /           | /      |

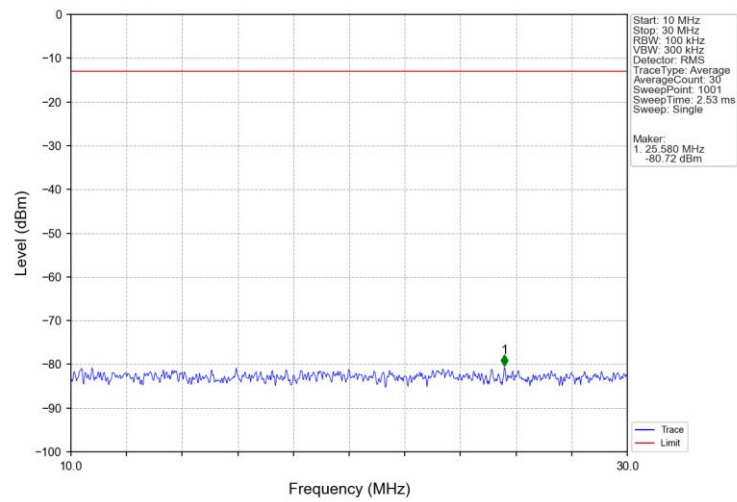
### Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_1\_0\_NTNV



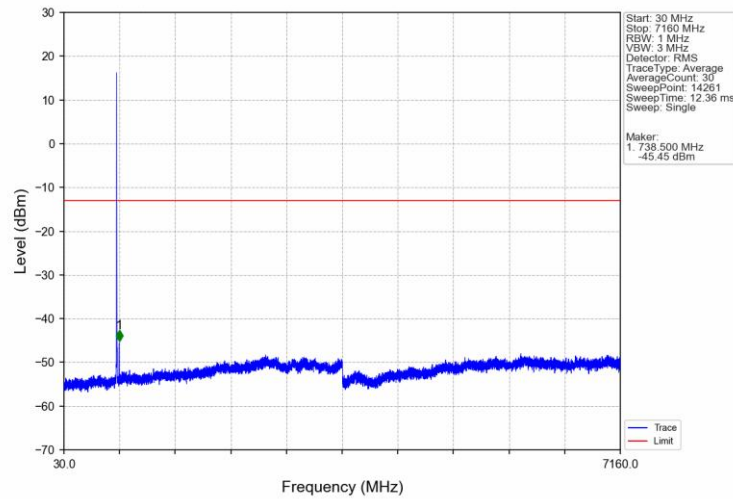
### Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_1\_0\_NTNV



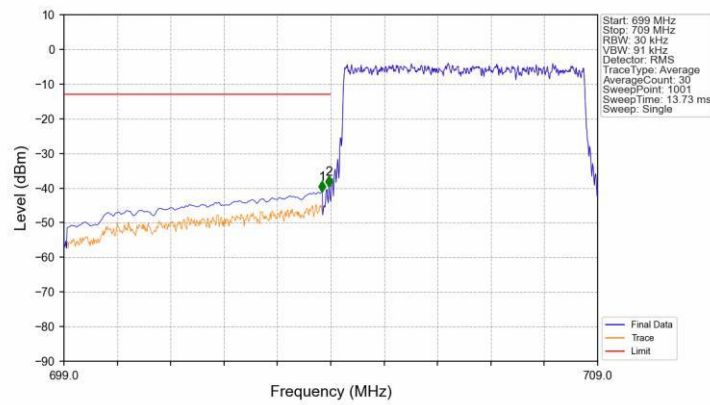
### Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_1\_0\_NTNV



### Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_1\_0\_NTNV

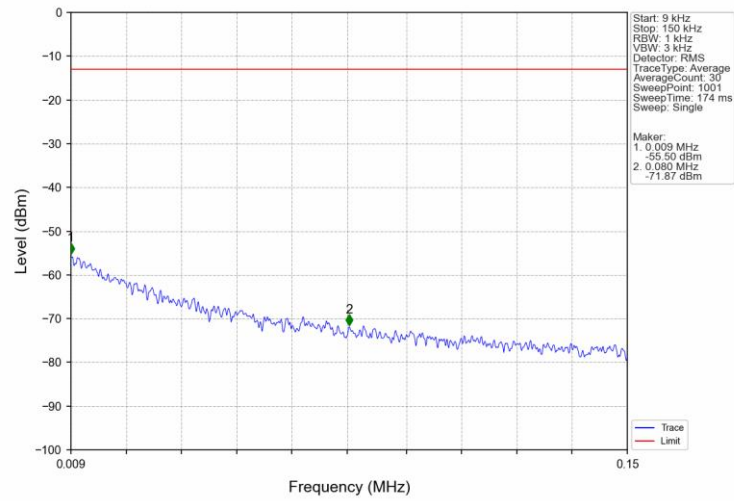


### Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV

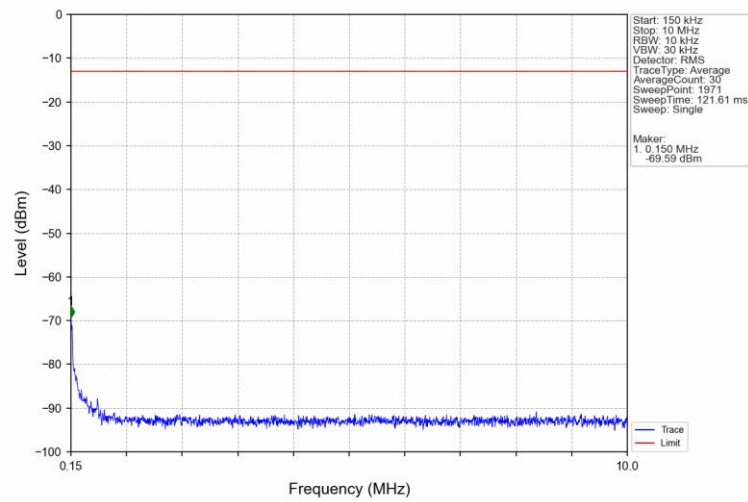


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 699         | 703.9      | 0.1       | CHP    | 1          | 703.840    | -41.16      | -13         | Pass   |
| 703.9       | 704        | 0.03      | /      | 2          | 703.970    | -39.66      | -13         | Pass   |
| 704         | 709        | 0.03      | /      | /          | /          | /           | /           | /      |

### Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_1\_0\_NTNV

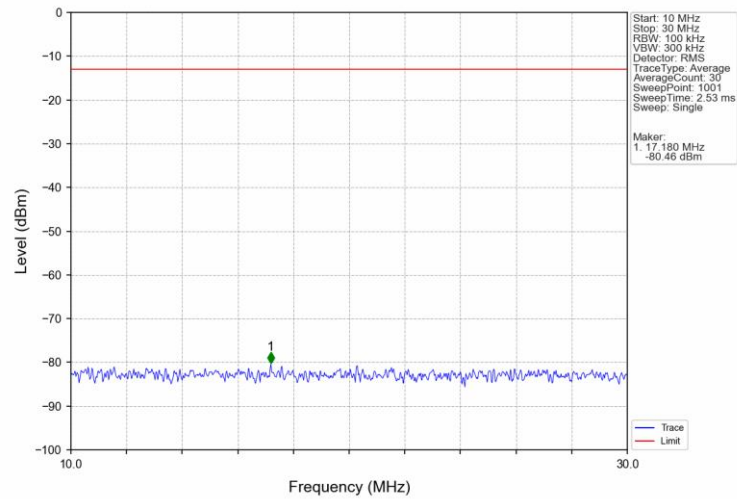


### Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_1\_0\_NTNV

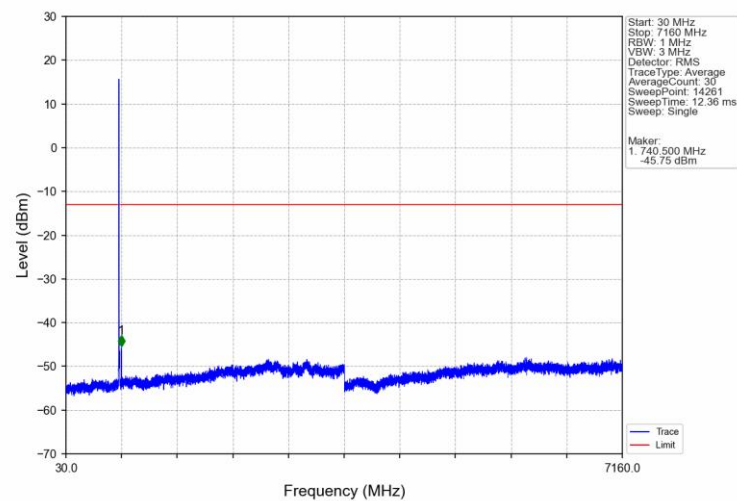




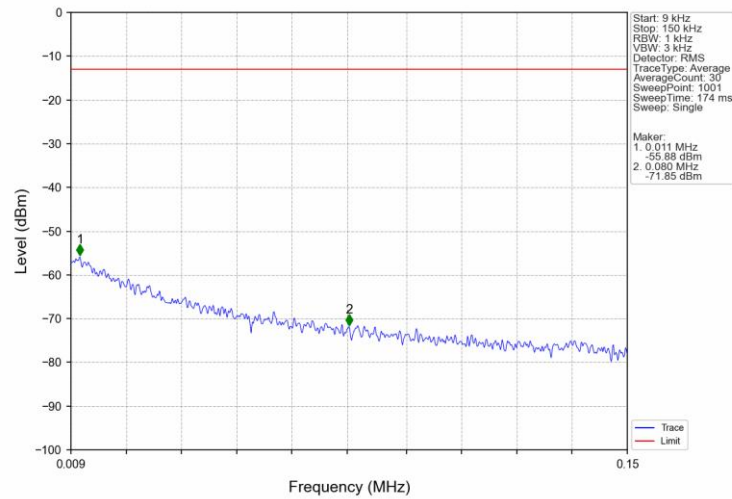
## Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_1\_0\_NTNV



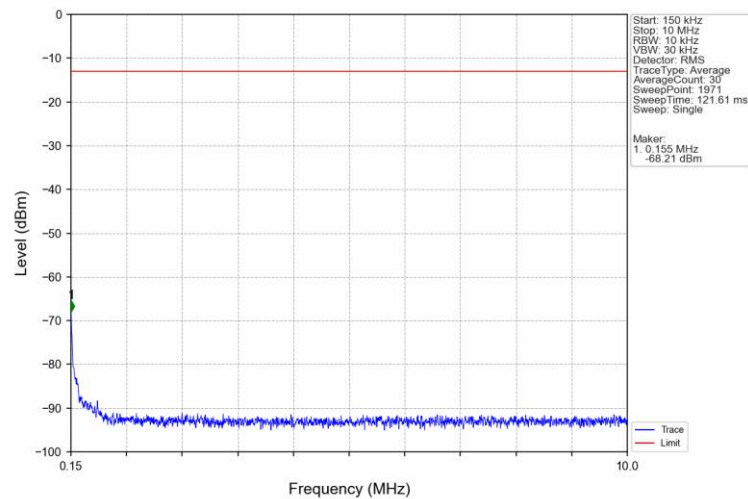
## Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_1\_0\_NTNV



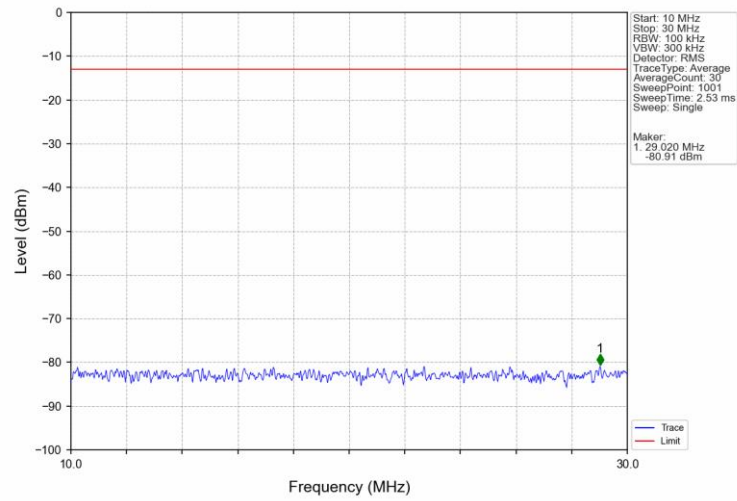
### Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_1\_0\_NTNV



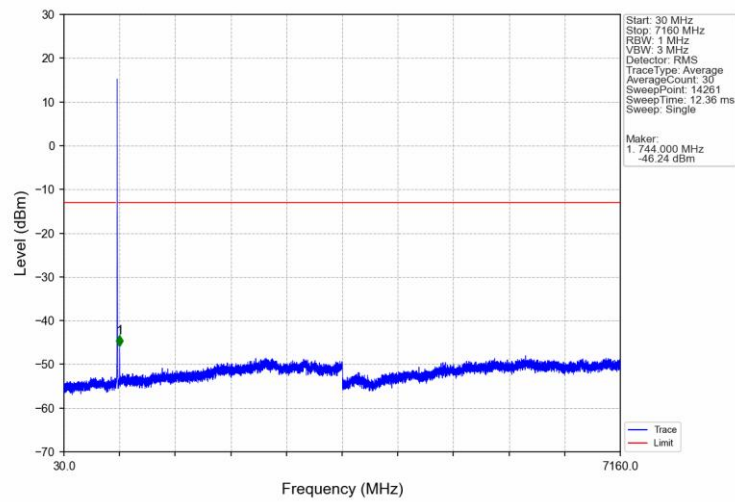
### Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_1\_0\_NTNV



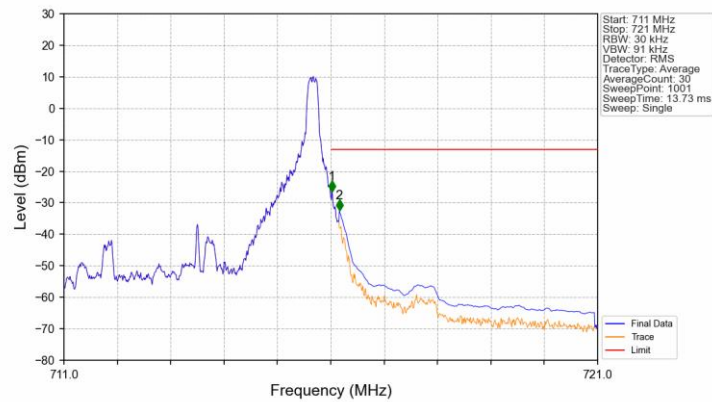
### Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_1\_0\_NTNV



### Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_1\_0\_NTNV

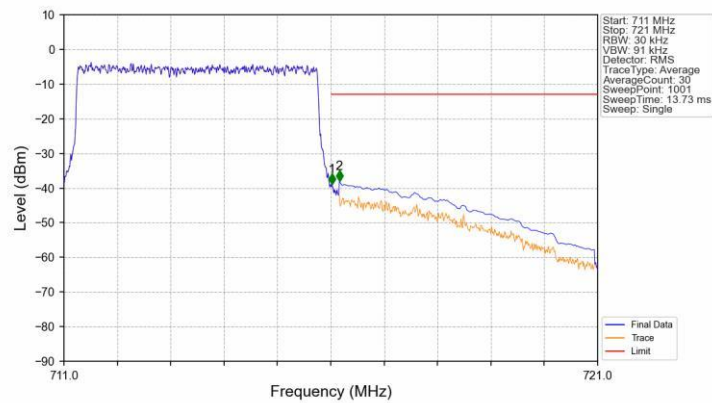


### Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_1\_24\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 711         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.020    | -26.40      | -13         | Pass   |
| 716.1       | 721        | 0.1       | CHP    | 2          | 716.160    | -32.50      | -13         | Pass   |

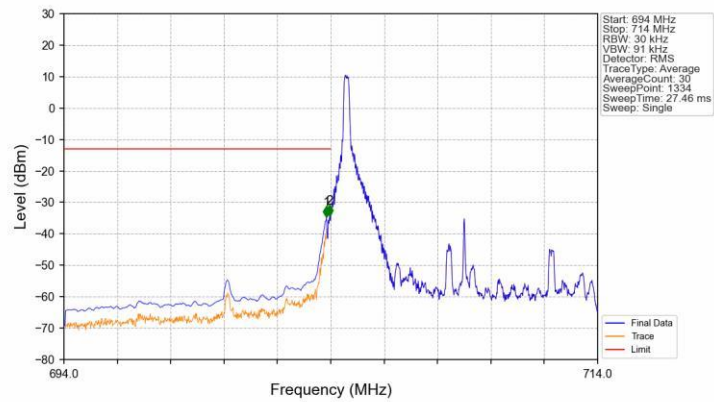
### Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 711         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.020    | -38.97      | -13         | Pass   |
| 716.1       | 721        | 0.1       | CHP    | 2          | 716.160    | -38.07      | -13         | Pass   |

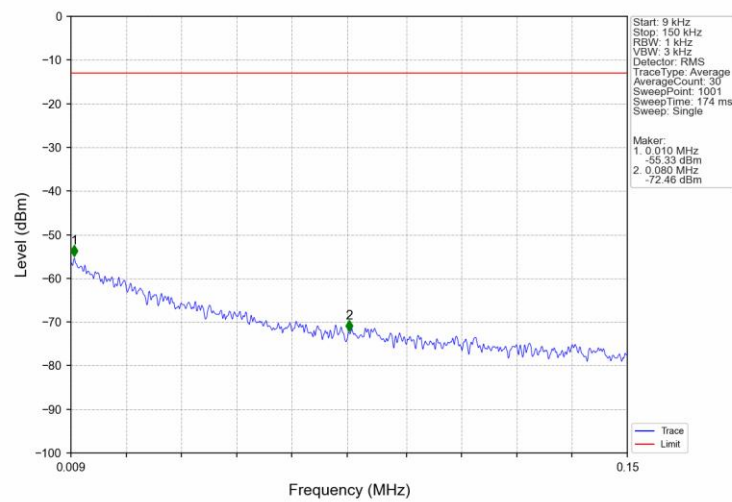
## 6.2.2 B17\_10MHz

Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_1\_0\_NTNV

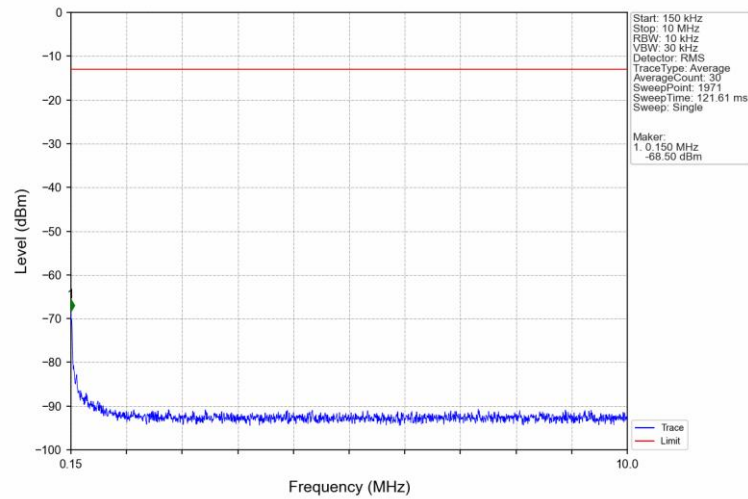


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 694         | 703.9      | 0.1       | CHP    | 1          | 703.842    | -34.60      | -13         | Pass   |
| 703.9       | 704        | 0.03      | /      | 2          | 703.962    | -34.16      | -13         | Pass   |
| 704         | 714        | 0.03      | /      | /          | /          | /           | /           | /      |

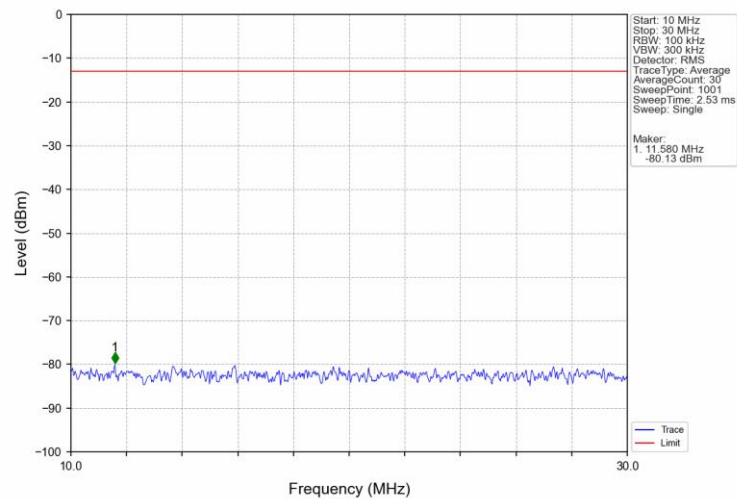
Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_1\_0\_NTNV



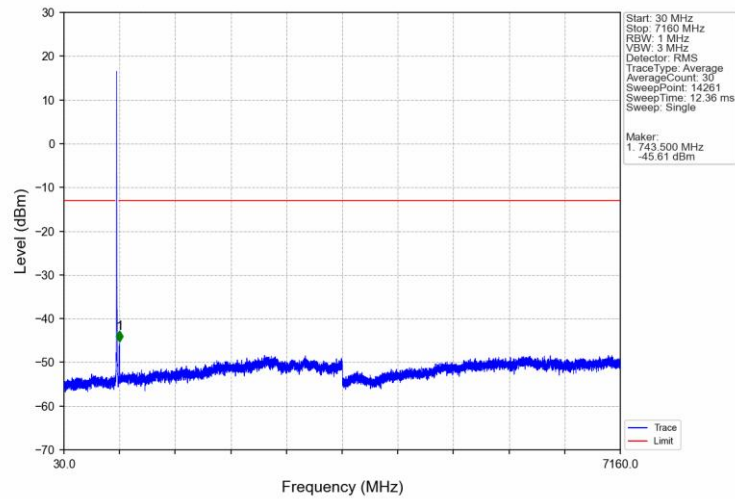
### Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_1\_0\_NTNV



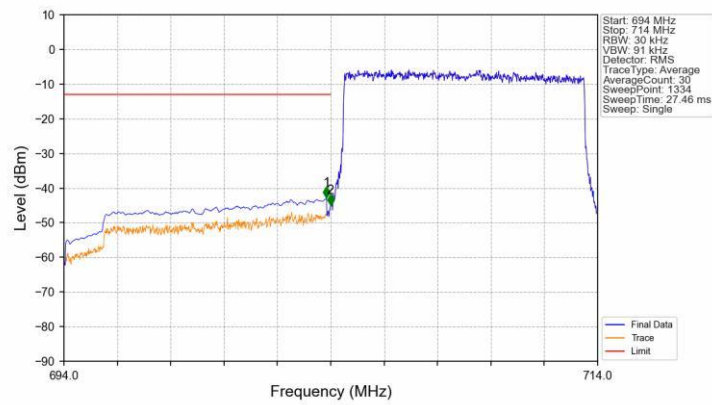
### Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_1\_0\_NTNV



### Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_1\_0\_NTNV

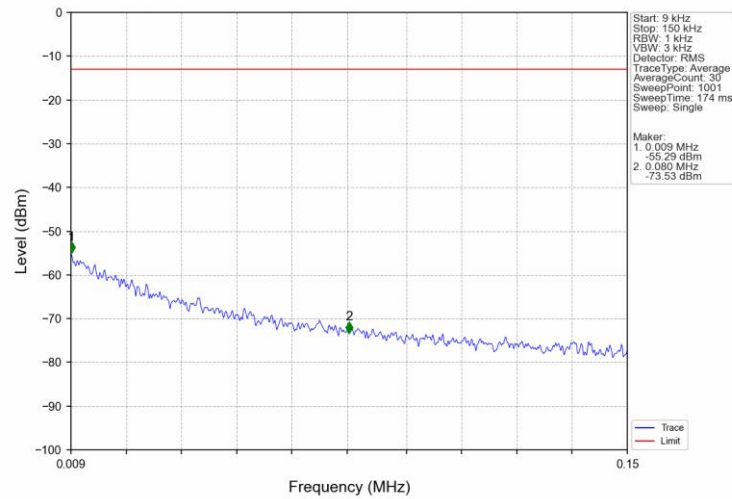


### Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_50\_0\_NTNV

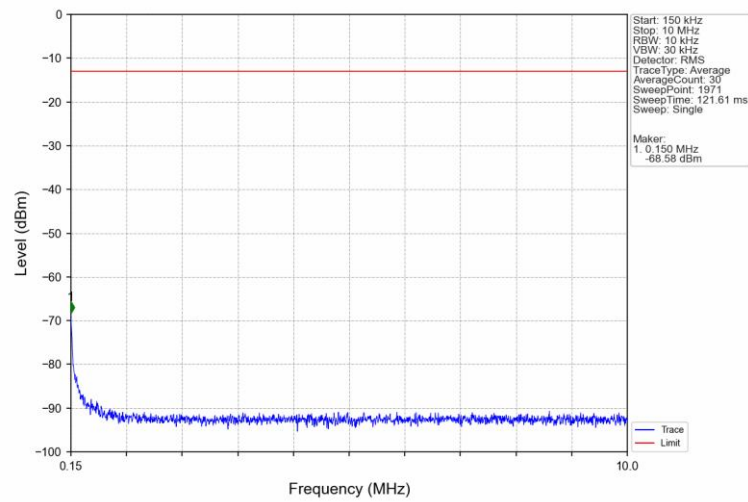


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 694         | 703.9      | 0.1       | CHP    | 1          | 703.842    | -42.73      | -13         | Pass   |
| 703.9       | 704        | 0.03      | /      | 2          | 703.992    | -44.98      | -13         | Pass   |
| 704         | 714        | 0.03      | /      | /          | /          | /           | /           | /      |

### Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_1\_0\_NTNV

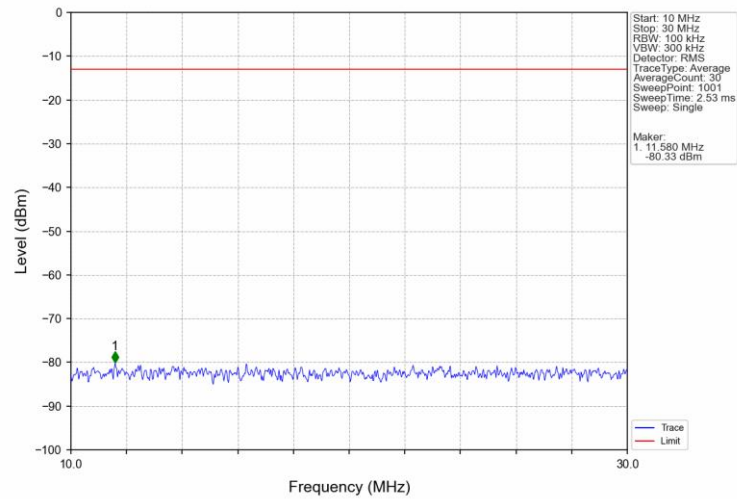


### Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_1\_0\_NTNV

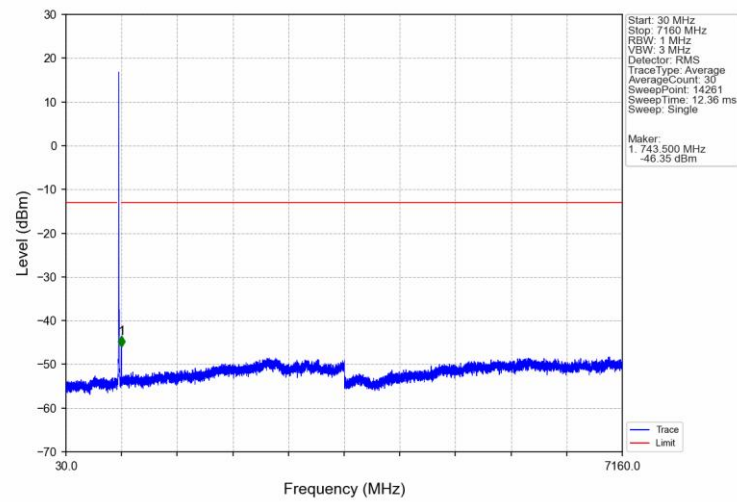




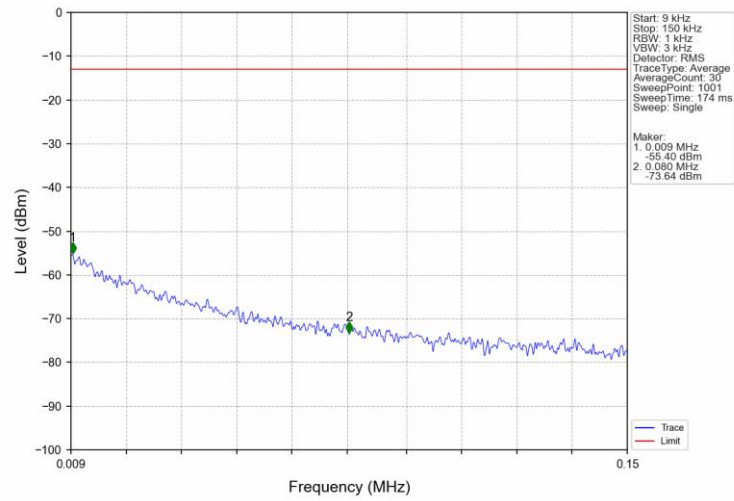
## Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_1\_0\_NTNV



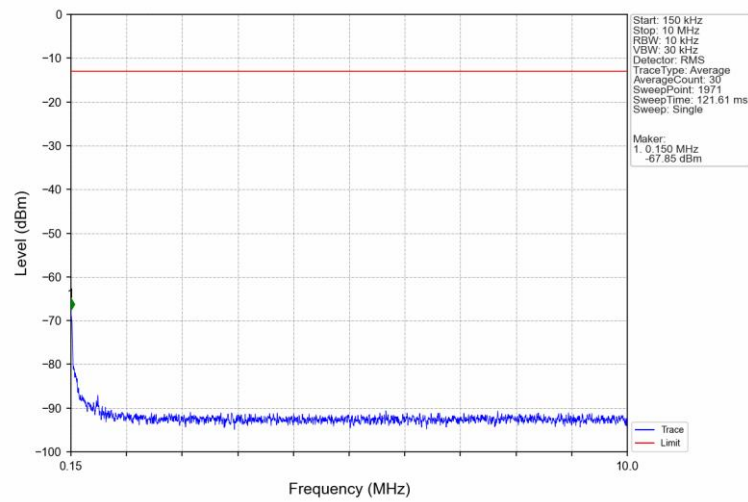
## Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_1\_0\_NTNV



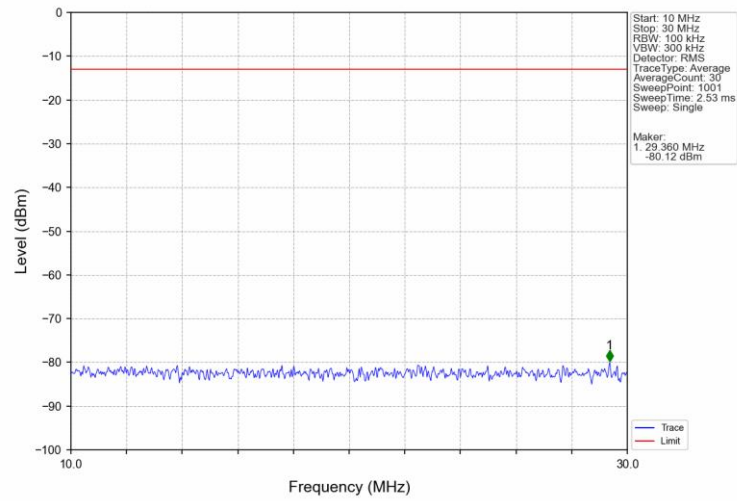
### Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_1\_0\_NTNV



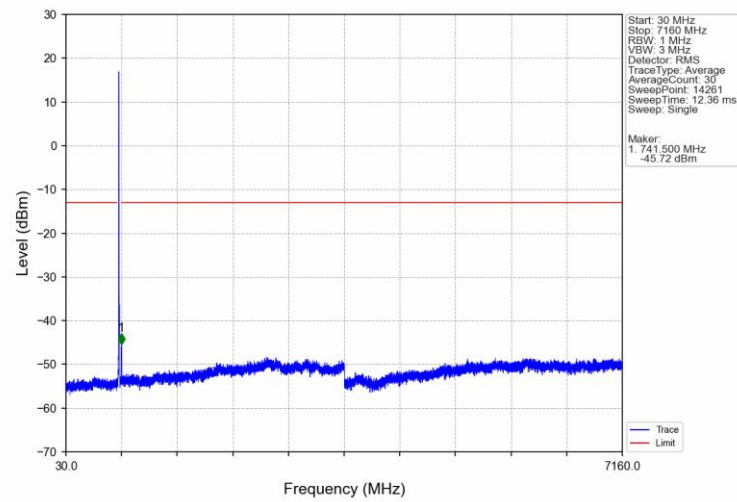
### Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_1\_0\_NTNV



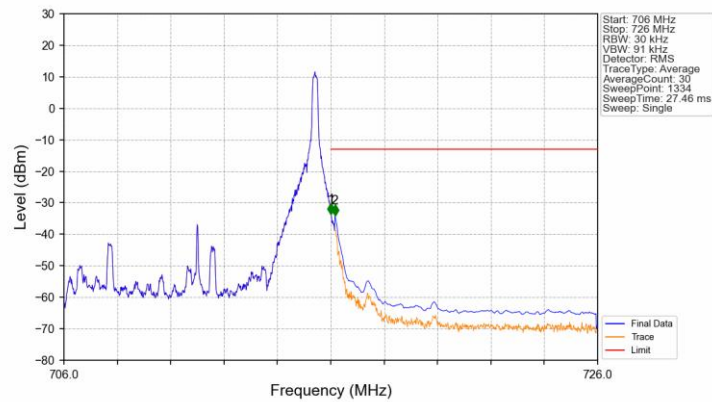
### Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_1\_0\_NTNV



### Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_1\_0\_NTNV

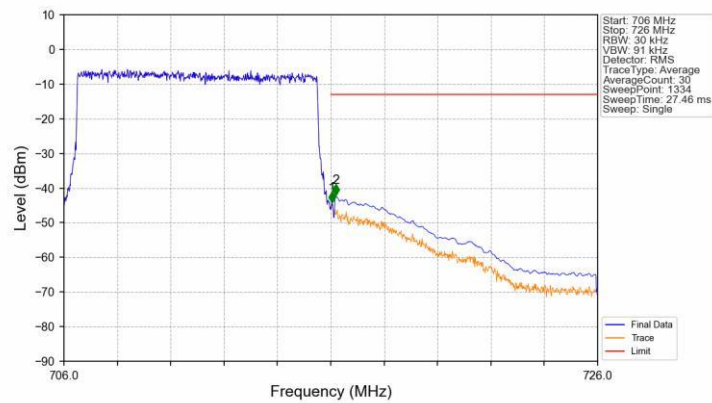


### Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_1\_49\_NTNV



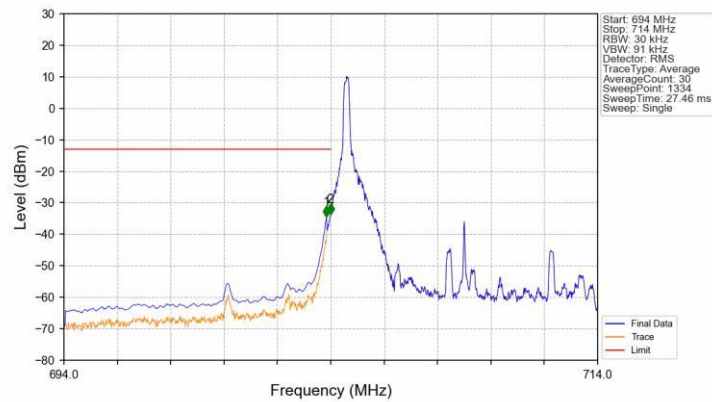
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 706         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.008    | -33.72      | -13         | Pass   |
| 716.1       | 726        | 0.1       | CHP    | 2          | 716.158    | -33.99      | -13         | Pass   |

### Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



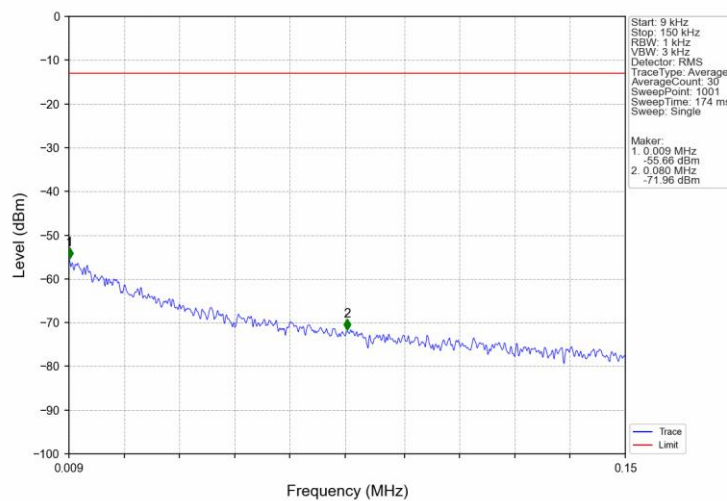
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 706         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.038    | -44.31      | -13         | Pass   |
| 716.1       | 726        | 0.1       | CHP    | 2          | 716.188    | -42.09      | -13         | Pass   |

### Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_1\_0\_NTNV



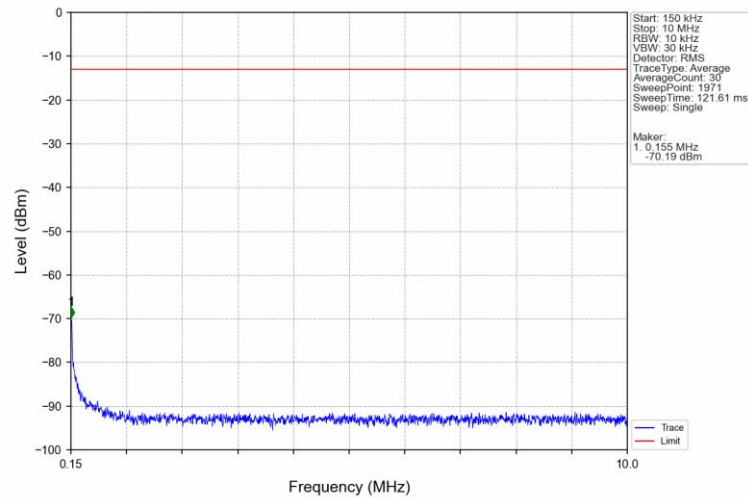
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 694         | 703.9      | 0.1       | CHP    | 1          | 703.842    | -34.50      | -13         | Pass   |
| 703.9       | 704        | 0.03      | /      | 2          | 703.992    | -33.57      | -13         | Pass   |
| 704         | 714        | 0.03      | /      | /          | /          | /           | /           | /      |

### Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_1\_0\_NTNV

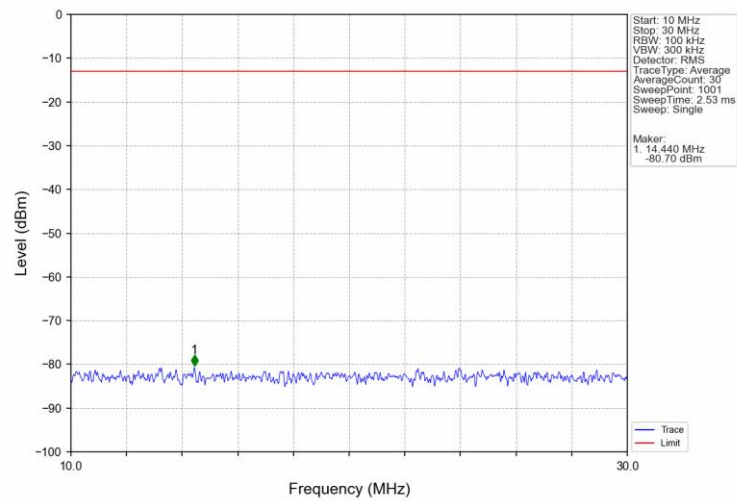




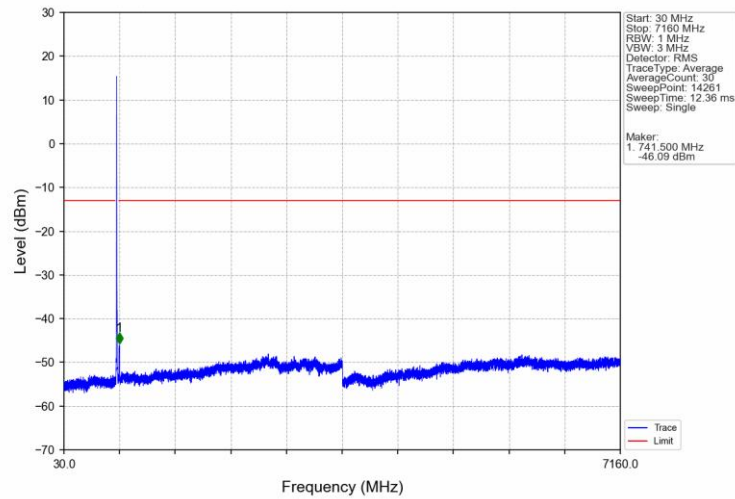
## Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_1\_0\_NTNV



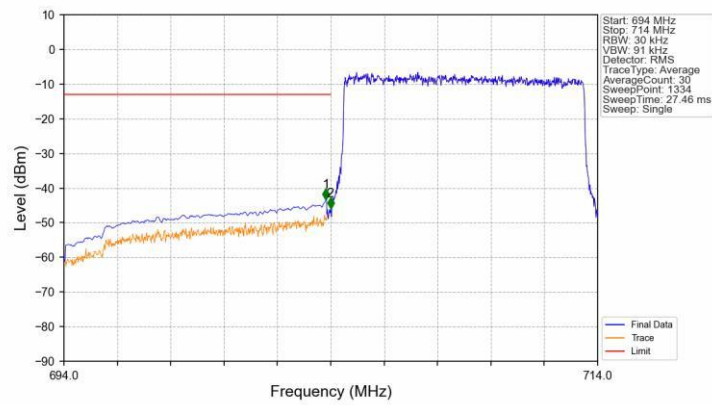
## Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_1\_0\_NTNV



### Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_1\_0\_NTNV

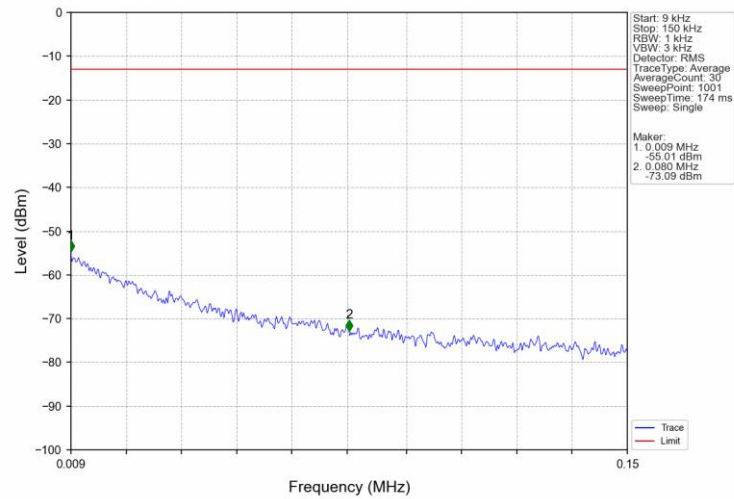


### Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV

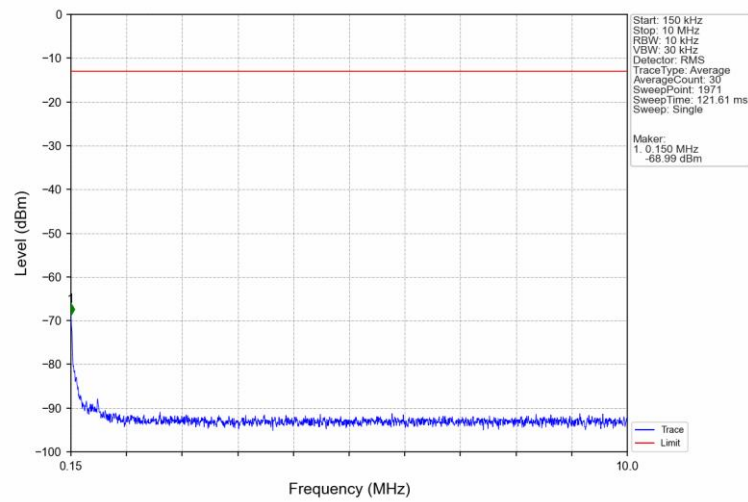


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 694         | 703.9      | 0.1       | CHP    | 1          | 703.812    | -43.40      | -13         | Pass   |
| 703.9       | 704        | 0.03      | /      | 2          | 703.992    | -45.82      | -13         | Pass   |
| 704         | 714        | 0.03      | /      | /          | /          | /           | /           | /      |

### Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_1\_0\_NTNV

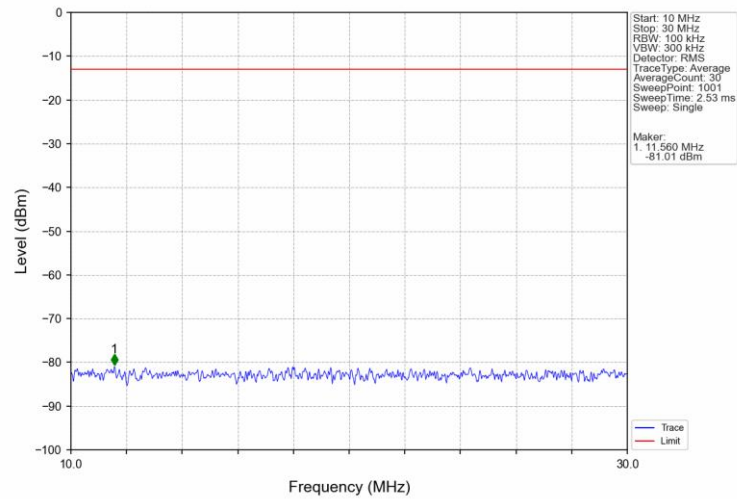


### Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_1\_0\_NTNV

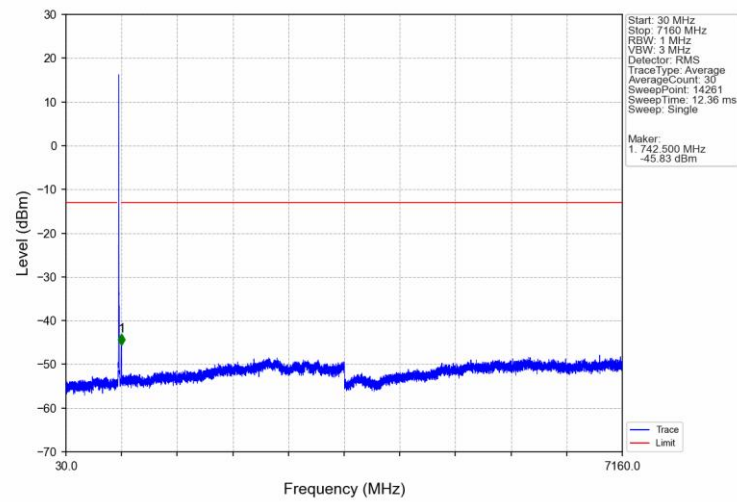




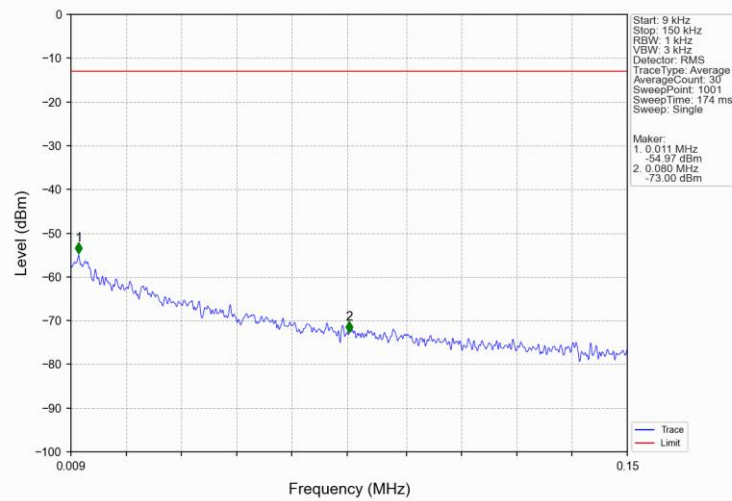
## Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_1\_0\_NTNV



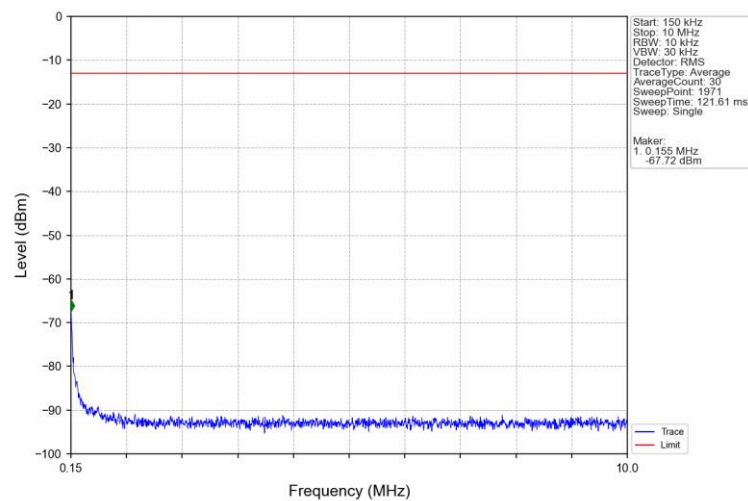
## Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_1\_0\_NTNV



Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_1\_0\_NTNV

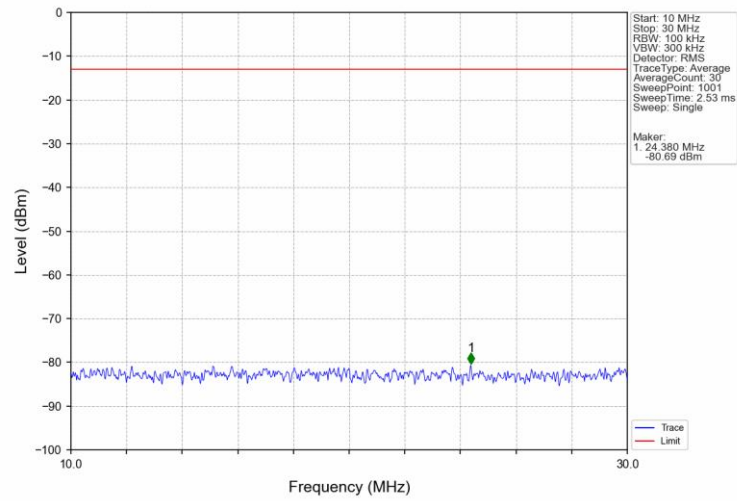


Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_1\_0\_NTNV

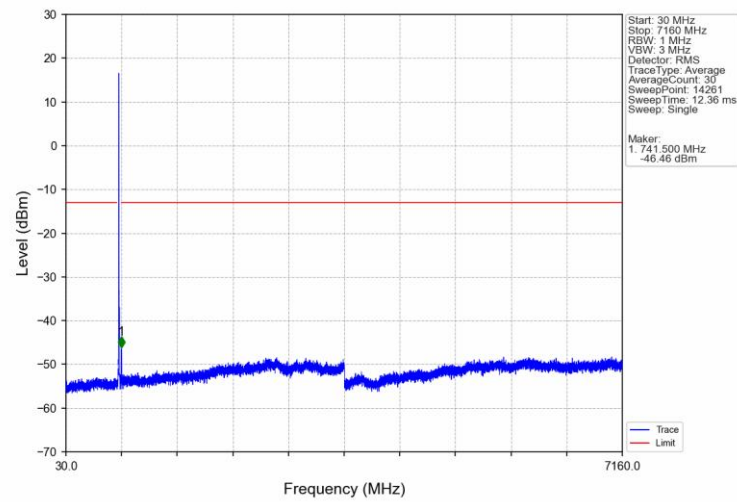




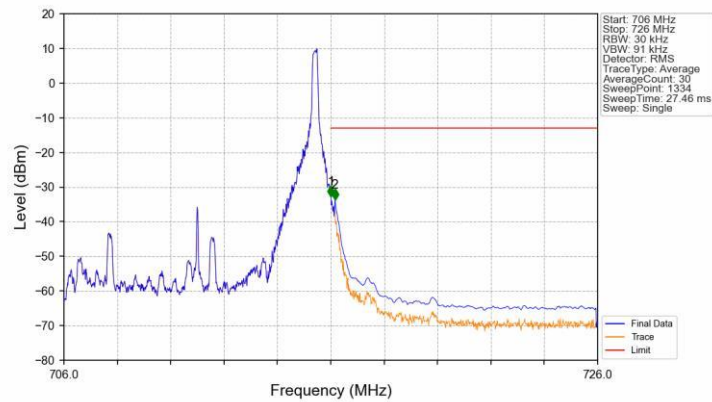
## Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_1\_0\_NTNV



## Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_1\_0\_NTNV

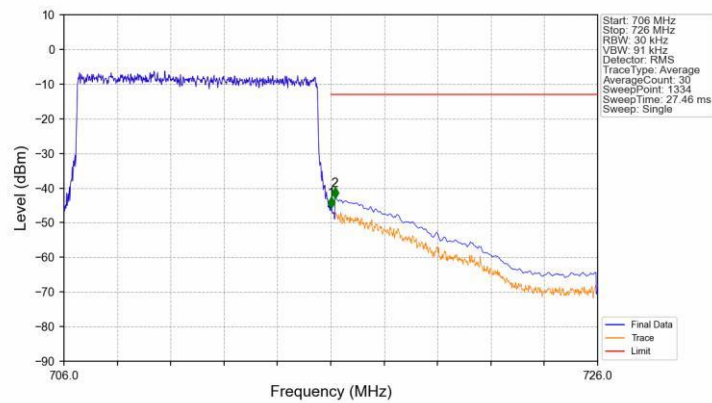


### Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_1\_49\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 706         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.008    | -32.71      | -13         | Pass   |
| 716.1       | 726        | 0.1       | CHP    | 2          | 716.158    | -33.74      | -13         | Pass   |

### Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 706         | 716        | 0.03      | /      | /          | /          | /           | /           | /      |
| 716         | 716.1      | 0.03      | /      | 1          | 716.023    | -45.70      | -13         | Pass   |
| 716.1       | 726        | 0.1       | CHP    | 2          | 716.158    | -42.92      | -13         | Pass   |

## 7. Form731

### 7.1 Test Result

#### 7.1.1 Form731\_Power

| Band | BW | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|------|----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 17   | 5  | 706.5      | 713.5     | 0.2547        | 0.0065 | ppm    | 4M57G7D             | 27H        | 24.06           |
| 17   | 5  | 706.5      | 713.5     | 0.2032        | 0.0050 | ppm    | 4M55W7D             | 27H        | 23.08           |
| 17   | 10 | 709        | 711       | 0.2275        | 0.0042 | ppm    | 9M07G7D             | 27H        | 23.57           |
| 17   | 10 | 709        | 711       | 0.1862        | 0.0055 | ppm    | 9M06W7D             | 27H        | 22.70           |

#### 7.1.2 Form731\_ERP

| Band | BW | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|------|----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 17   | 5  | 706.5      | 713.5     | 0.1517        | 0.0065 | ppm    | 4M57G7D             | 27H        | 21.81           |
| 17   | 5  | 706.5      | 713.5     | 0.1211        | 0.0050 | ppm    | 4M55W7D             | 27H        | 20.83           |
| 17   | 10 | 709        | 711       | 0.1355        | 0.0042 | ppm    | 9M07G7D             | 27H        | 21.32           |
| 17   | 10 | 709        | 711       | 0.1109        | 0.0055 | ppm    | 9M06W7D             | 27H        | 20.45           |

\*\*\*\*\* End of Report \*\*\*\*\*