

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

### 1.1 B17\_5MHz\_ERP

#### 1.1.1 Test Result

| Band: 17 / Bandwidth: 5MHz / NTV             |                 |               |        |                       |            |           |         |         |      |
|----------------------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|------|
| Modulation                                   | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |      |
|                                              |                 | Size          | Offset |                       |            | Result    | Limit   |         |      |
| QPSK                                         | 706.5           | 1             | 0      | 19.71                 | 0.00       | 17.56     | <=34.77 | Pass    |      |
|                                              |                 |               | 13     | 19.75                 | 0.00       | 17.60     | <=34.77 | Pass    |      |
|                                              |                 |               | 24     | 19.86                 | 0.00       | 17.71     | <=34.77 | Pass    |      |
|                                              |                 | 12            | 0      | 18.87                 | 0.00       | 16.72     | <=34.77 | Pass    |      |
|                                              |                 |               | 6      | 18.74                 | 0.00       | 16.59     | <=34.77 | Pass    |      |
|                                              |                 |               | 13     | 18.99                 | 0.00       | 16.84     | <=34.77 | Pass    |      |
|                                              |                 | 25            | 0      | 18.78                 | 0.00       | 16.63     | <=34.77 | Pass    |      |
|                                              |                 | 710           | 1      | 0                     | 19.90      | 0.00      | 17.75   | <=34.77 | Pass |
|                                              |                 |               |        | 13                    | 19.91      | 0.00      | 17.76   | <=34.77 | Pass |
|                                              | 24              |               |        | 19.95                 | 0.00       | 17.80     | <=34.77 | Pass    |      |
|                                              | 12              |               | 0      | 18.97                 | 0.00       | 16.82     | <=34.77 | Pass    |      |
|                                              |                 |               | 6      | 18.90                 | 0.00       | 16.75     | <=34.77 | Pass    |      |
|                                              |                 |               | 13     | 18.79                 | 0.00       | 16.64     | <=34.77 | Pass    |      |
|                                              | 25              | 0             | 18.89  | 0.00                  | 16.74      | <=34.77   | Pass    |         |      |
|                                              | 713.5           | 1             | 0      | 19.84                 | 0.00       | 17.69     | <=34.77 | Pass    |      |
|                                              |                 |               | 13     | 19.69                 | 0.00       | 17.54     | <=34.77 | Pass    |      |
|                                              |                 |               | 24     | 19.80                 | 0.00       | 17.65     | <=34.77 | Pass    |      |
|                                              |                 | 12            | 0      | 18.99                 | 0.00       | 16.84     | <=34.77 | Pass    |      |
|                                              |                 |               | 6      | 18.57                 | 0.00       | 16.42     | <=34.77 | Pass    |      |
|                                              |                 |               | 13     | 18.65                 | 0.00       | 16.50     | <=34.77 | Pass    |      |
|                                              |                 | 25            | 0      | 18.67                 | 0.00       | 16.52     | <=34.77 | Pass    |      |
| 16QAM                                        |                 | 706.5         | 1      | 0                     | 18.40      | 0.00      | 16.25   | <=34.77 | Pass |
|                                              |                 |               |        | 13                    | 18.50      | 0.00      | 16.35   | <=34.77 | Pass |
|                                              | 24              |               |        | 18.65                 | 0.00       | 16.50     | <=34.77 | Pass    |      |
|                                              | 12              |               | 0      | 16.95                 | 0.00       | 14.80     | <=34.77 | Pass    |      |
|                                              |                 |               | 6      | 17.04                 | 0.00       | 14.89     | <=34.77 | Pass    |      |
|                                              |                 |               | 13     | 16.83                 | 0.00       | 14.68     | <=34.77 | Pass    |      |
|                                              | 25              |               | 0      | 16.90                 | 0.00       | 14.75     | <=34.77 | Pass    |      |
|                                              | 710             | 1             | 0      | 18.18                 | 0.00       | 16.03     | <=34.77 | Pass    |      |
|                                              |                 |               | 13     | 18.09                 | 0.00       | 15.94     | <=34.77 | Pass    |      |
|                                              |                 |               | 24     | 18.10                 | 0.00       | 15.95     | <=34.77 | Pass    |      |
|                                              |                 | 12            | 0      | 17.03                 | 0.00       | 14.88     | <=34.77 | Pass    |      |
|                                              |                 |               | 6      | 17.27                 | 0.00       | 15.12     | <=34.77 | Pass    |      |
|                                              |                 |               | 13     | 17.19                 | 0.00       | 15.04     | <=34.77 | Pass    |      |
|                                              | 25              | 0             | 17.19  | 0.00                  | 15.04      | <=34.77   | Pass    |         |      |
|                                              | 713.5           | 1             | 0      | 18.88                 | 0.00       | 16.73     | <=34.77 | Pass    |      |
|                                              |                 |               | 13     | 18.53                 | 0.00       | 16.38     | <=34.77 | Pass    |      |
|                                              |                 |               | 24     | 18.91                 | 0.00       | 16.76     | <=34.77 | Pass    |      |
|                                              |                 | 12            | 0      | 17.13                 | 0.00       | 14.98     | <=34.77 | Pass    |      |
|                                              |                 |               | 6      | 17.23                 | 0.00       | 15.08     | <=34.77 | Pass    |      |
|                                              |                 |               | 13     | 16.89                 | 0.00       | 14.74     | <=34.77 | Pass    |      |
|                                              |                 | 25            | 0      | 17.12                 | 0.00       | 14.97     | <=34.77 | Pass    |      |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 |                 |               |        |                       |            |           |         |         |      |

## 1.2 B17\_10MHz\_ERP

### 1.2.1 Test Result

| 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      | 17.28                 | 0.00       | 15.13     | <=34.77 | Pass    |
|                                              |                 |               | 25     | 17.46                 | 0.00       | 15.31     | <=34.77 | Pass    |
|                                              |                 |               | 49     | 17.66                 | 0.00       | 15.51     | <=34.77 | Pass    |
|                                              |                 | 25            | 0      | 16.29                 | 0.00       | 14.14     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 16.39                 | 0.00       | 14.24     | <=34.77 | Pass    |
|                                              |                 |               | 25     | 16.58                 | 0.00       | 14.43     | <=34.77 | Pass    |
|                                              |                 | 50            | 0      | 16.43                 | 0.00       | 14.28     | <=34.77 | Pass    |
|                                              | 710             | 1             | 0      | 17.16                 | 0.00       | 15.01     | <=34.77 | Pass    |
|                                              |                 |               | 25     | 17.39                 | 0.00       | 15.24     | <=34.77 | Pass    |
|                                              |                 |               | 49     | 17.37                 | 0.00       | 15.22     | <=34.77 | Pass    |
|                                              |                 | 25            | 0      | 16.19                 | 0.00       | 14.04     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 16.36                 | 0.00       | 14.21     | <=34.77 | Pass    |
|                                              |                 |               | 25     | 16.51                 | 0.00       | 14.36     | <=34.77 | Pass    |
|                                              |                 | 50            | 0      | 16.35                 | 0.00       | 14.20     | <=34.77 | Pass    |
|                                              | 711             | 1             | 0      | 19.77                 | 0.00       | 17.62     | <=34.77 | Pass    |
|                                              |                 |               | 25     | 19.90                 | 0.00       | 17.75     | <=34.77 | Pass    |
|                                              |                 |               | 49     | 19.75                 | 0.00       | 17.60     | <=34.77 | Pass    |
|                                              |                 | 25            | 0      | 19.11                 | 0.00       | 16.96     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 18.84                 | 0.00       | 16.69     | <=34.77 | Pass    |
|                                              |                 |               | 25     | 18.70                 | 0.00       | 16.55     | <=34.77 | Pass    |
|                                              |                 | 50            | 0      | 18.88                 | 0.00       | 16.73     | <=34.77 | Pass    |
| 16QAM                                        | 709             | 1             | 0      | 16.16                 | 0.00       | 14.01     | <=34.77 | Pass    |
|                                              |                 |               | 25     | 16.29                 | 0.00       | 14.14     | <=34.77 | Pass    |
|                                              |                 |               | 49     | 16.47                 | 0.00       | 14.32     | <=34.77 | Pass    |
|                                              |                 | 25            | 0      | 15.39                 | 0.00       | 13.24     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 15.45                 | 0.00       | 13.30     | <=34.77 | Pass    |
|                                              |                 |               | 25     | 15.69                 | 0.00       | 13.54     | <=34.77 | Pass    |
|                                              |                 | 50            | 0      | 15.47                 | 0.00       | 13.32     | <=34.77 | Pass    |
|                                              | 710             | 1             | 0      | 16.17                 | 0.00       | 14.02     | <=34.77 | Pass    |
|                                              |                 |               | 25     | 16.46                 | 0.00       | 14.31     | <=34.77 | Pass    |
|                                              |                 |               | 49     | 16.42                 | 0.00       | 14.27     | <=34.77 | Pass    |
|                                              |                 | 25            | 0      | 15.26                 | 0.00       | 13.11     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 17.47                 | 0.00       | 15.32     | <=34.77 | Pass    |
|                                              |                 |               | 25     | 17.62                 | 0.00       | 15.47     | <=34.77 | Pass    |
|                                              |                 | 50            | 0      | 17.47                 | 0.00       | 15.32     | <=34.77 | Pass    |
|                                              | 711             | 1             | 0      | 18.76                 | 0.00       | 16.61     | <=34.77 | Pass    |
|                                              |                 |               | 25     | 18.94                 | 0.00       | 16.79     | <=34.77 | Pass    |
|                                              |                 |               | 49     | 18.88                 | 0.00       | 16.73     | <=34.77 | Pass    |
|                                              |                 | 25            | 0      | 17.20                 | 0.00       | 15.05     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 17.39                 | 0.00       | 15.24     | <=34.77 | Pass    |
|                                              |                 |               | 25     | 17.42                 | 0.00       | 15.27     | <=34.77 | Pass    |
|                                              |                 | 50            | 0      | 17.31                 | 0.00       | 15.16     | <=34.77 | Pass    |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 |                 |               |        |                       |            |           |         |         |

## 2. Frequency Stability

### 2.1 B17\_5MHz

#### 2.1.1 Test Result

| 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         | 3.27          | 0.129            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 0.858            | 0.0012                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 0.086            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -0.558           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -0.587           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -0.286           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -0.272           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 0.129            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -0.072           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 0.343            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 0.772            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            | 710             | 25            | 0      | 20         | 3.27          | -1.945           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -3.605           | -0.0051               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -5.808           | -0.0082               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -6.781           | -0.0096               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -7.339           | -0.0103               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -7.796           | -0.0110               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -7.725           | -0.0109               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -8.626           | -0.0121               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -9.527           | -0.0134               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -9.613           | -0.0135               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -10.042          | -0.0141               | -2.5 to 2.5 | Pass    |
|                            | 713.5           | 25            | 0      | 20         | 3.27          | -0.501           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -2.203           | -0.0031               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -5.550           | -0.0078               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -7.339           | -0.0103               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -8.583           | -0.0120               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -9.599           | -0.0135               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -10.829          | -0.0152               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -11.559          | -0.0162               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -12.860          | -0.0180               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -13.819          | -0.0194               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -14.577          | -0.0204               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 706.5           | 25            | 0      | 20         | 3.27          | 0.787            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 1.616            | 0.0023                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 2.460            | 0.0035                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 3.119            | 0.0044                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 2.875            | 0.0041                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 3.119            | 0.0044                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 3.262            | 0.0046                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 3.476            | 0.0049                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 3.304            | 0.0047                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 3.648            | 0.0052                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 3.819            | 0.0054                | -2.5 to 2.5 | Pass    |
|                            | 710             | 25            | 0      | 20         | 3.27          | -10.901          | -0.0154               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -10.657          | -0.0150               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -10.743          | -0.0151               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -11.287          | -0.0159               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -11.473          | -0.0162               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -12.231          | -0.0172               | -2.5 to 2.5 | Pass    |

|  |       |    |   |     |      |         |         |             |      |
|--|-------|----|---|-----|------|---------|---------|-------------|------|
|  |       |    |   | 0   | 3.85 | -12.589 | -0.0177 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -13.418 | -0.0189 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -13.719 | -0.0193 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -14.448 | -0.0203 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -14.963 | -0.0211 | -2.5 to 2.5 | Pass |
|  | 713.5 | 25 | 0 | 20  | 3.27 | -16.050 | -0.0225 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 3.85 | -16.193 | -0.0227 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.43 | -16.465 | -0.0231 | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.85 | -17.037 | -0.0239 | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | -17.352 | -0.0243 | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | -17.853 | -0.0250 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -19.040 | -0.0267 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -19.283 | -0.0270 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -20.399 | -0.0286 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -21.443 | -0.0301 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -22.130 | -0.0310 | -2.5 to 2.5 | Pass |

## 2.2 B17\_10MHz

### 2.2.1 Test Result

| 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         | 3.27          | -0.343           | -0.0005               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -5.050           | -0.0071               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -6.852           | -0.0097               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -6.437           | -0.0091               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -6.266           | -0.0088               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -6.552           | -0.0092               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -7.410           | -0.0105               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -7.882           | -0.0111               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -9.055           | -0.0128               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -10.071          | -0.0142               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -11.215          | -0.0158               | -2.5 to 2.5 | Pass    |
|                             | 710             | 50            | 0      | 20         | 3.27          | -3.591           | -0.0051               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -8.640           | -0.0122               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -13.061          | -0.0184               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -16.422          | -0.0231               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -18.954          | -0.0267               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -21.558          | -0.0304               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -24.147          | -0.0340               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -26.364          | -0.0371               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -27.766          | -0.0391               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -30.041          | -0.0423               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -31.829          | -0.0448               | -2.5 to 2.5 | Pass    |
|                             | 711             | 50            | 0      | 20         | 3.27          | 4.234            | 0.0060                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -0.229           | -0.0003               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -4.163           | -0.0059               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -6.781           | -0.0095               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -8.655           | -0.0122               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -11.072          | -0.0156               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -13.103          | -0.0184               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -15.006          | -0.0211               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -17.495          | -0.0246               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -18.482          | -0.0260               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -20.900          | -0.0294               | -2.5 to 2.5 | Pass    |
| 16QAM                       | 709             | 50            | 0      | 20         | 3.27          | -12.846          | -0.0181               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -13.089          | -0.0185               | -2.5 to 2.5 | Pass    |

|  |     |    |   |     |      |         |         |             |      |
|--|-----|----|---|-----|------|---------|---------|-------------|------|
|  |     |    |   |     | 4.43 | -14.119 | -0.0199 | -2.5 to 2.5 | Pass |
|  |     |    |   | -30 | 3.85 | -15.163 | -0.0214 | -2.5 to 2.5 | Pass |
|  |     |    |   | -20 | 3.85 | -16.694 | -0.0235 | -2.5 to 2.5 | Pass |
|  |     |    |   | -10 | 3.85 | -17.896 | -0.0252 | -2.5 to 2.5 | Pass |
|  |     |    |   | 0   | 3.85 | -19.341 | -0.0273 | -2.5 to 2.5 | Pass |
|  |     |    |   | 10  | 3.85 | -20.428 | -0.0288 | -2.5 to 2.5 | Pass |
|  |     |    |   | 30  | 3.85 | -22.058 | -0.0311 | -2.5 to 2.5 | Pass |
|  |     |    |   | 40  | 3.85 | -24.490 | -0.0345 | -2.5 to 2.5 | Pass |
|  |     |    |   | 50  | 3.85 | -27.094 | -0.0382 | -2.5 to 2.5 | Pass |
|  | 710 | 50 | 0 | 20  | 3.27 | -33.975 | -0.0479 | -2.5 to 2.5 | Pass |
|  |     |    |   |     | 3.85 | -33.760 | -0.0475 | -2.5 to 2.5 | Pass |
|  |     |    |   |     | 4.43 | -35.005 | -0.0493 | -2.5 to 2.5 | Pass |
|  |     |    |   | -30 | 3.85 | -35.791 | -0.0504 | -2.5 to 2.5 | Pass |
|  |     |    |   | -20 | 3.85 | -36.564 | -0.0515 | -2.5 to 2.5 | Pass |
|  |     |    |   | -10 | 3.85 | -37.608 | -0.0530 | -2.5 to 2.5 | Pass |
|  |     |    |   | 0   | 3.85 | -38.481 | -0.0542 | -2.5 to 2.5 | Pass |
|  |     |    |   | 10  | 3.85 | -39.668 | -0.0559 | -2.5 to 2.5 | Pass |
|  |     |    |   | 30  | 3.85 | -40.412 | -0.0569 | -2.5 to 2.5 | Pass |
|  |     |    |   | 40  | 3.85 | -41.699 | -0.0587 | -2.5 to 2.5 | Pass |
|  |     |    |   | 50  | 3.85 | -43.073 | -0.0607 | -2.5 to 2.5 | Pass |
|  | 711 | 50 | 0 | 20  | 3.27 | -23.131 | -0.0325 | -2.5 to 2.5 | Pass |
|  |     |    |   |     | 3.85 | -22.659 | -0.0319 | -2.5 to 2.5 | Pass |
|  |     |    |   |     | 4.43 | -22.888 | -0.0322 | -2.5 to 2.5 | Pass |
|  |     |    |   | -30 | 3.85 | -23.675 | -0.0333 | -2.5 to 2.5 | Pass |
|  |     |    |   | -20 | 3.85 | -24.061 | -0.0338 | -2.5 to 2.5 | Pass |
|  |     |    |   | -10 | 3.85 | -25.334 | -0.0356 | -2.5 to 2.5 | Pass |
|  |     |    |   | 0   | 3.85 | -26.279 | -0.0370 | -2.5 to 2.5 | Pass |
|  |     |    |   | 10  | 3.85 | -27.094 | -0.0381 | -2.5 to 2.5 | Pass |
|  |     |    |   | 30  | 3.85 | -27.967 | -0.0393 | -2.5 to 2.5 | Pass |
|  |     |    |   | 40  | 3.85 | -29.011 | -0.0408 | -2.5 to 2.5 | Pass |
|  |     |    |   | 50  | 3.85 | -29.240 | -0.0411 | -2.5 to 2.5 | Pass |

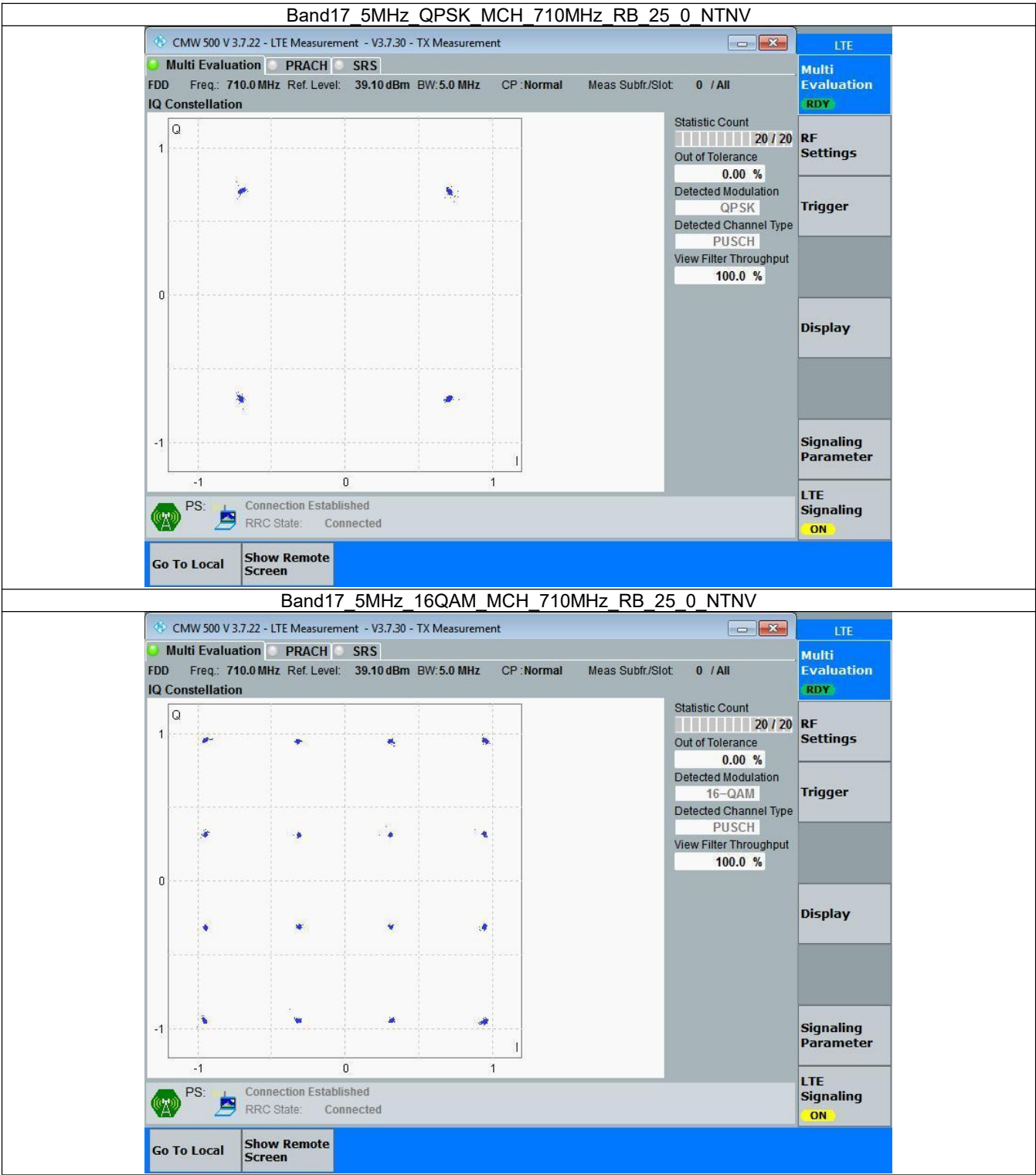
### 3. Modulation Characteristics

#### 3.1 B17\_5MHz

##### 3.1.1 Test Result

| Band: 17 / Bandwidth: 5MHz / NTV |                 |               |        |                            |       |         |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| 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 Test Graph

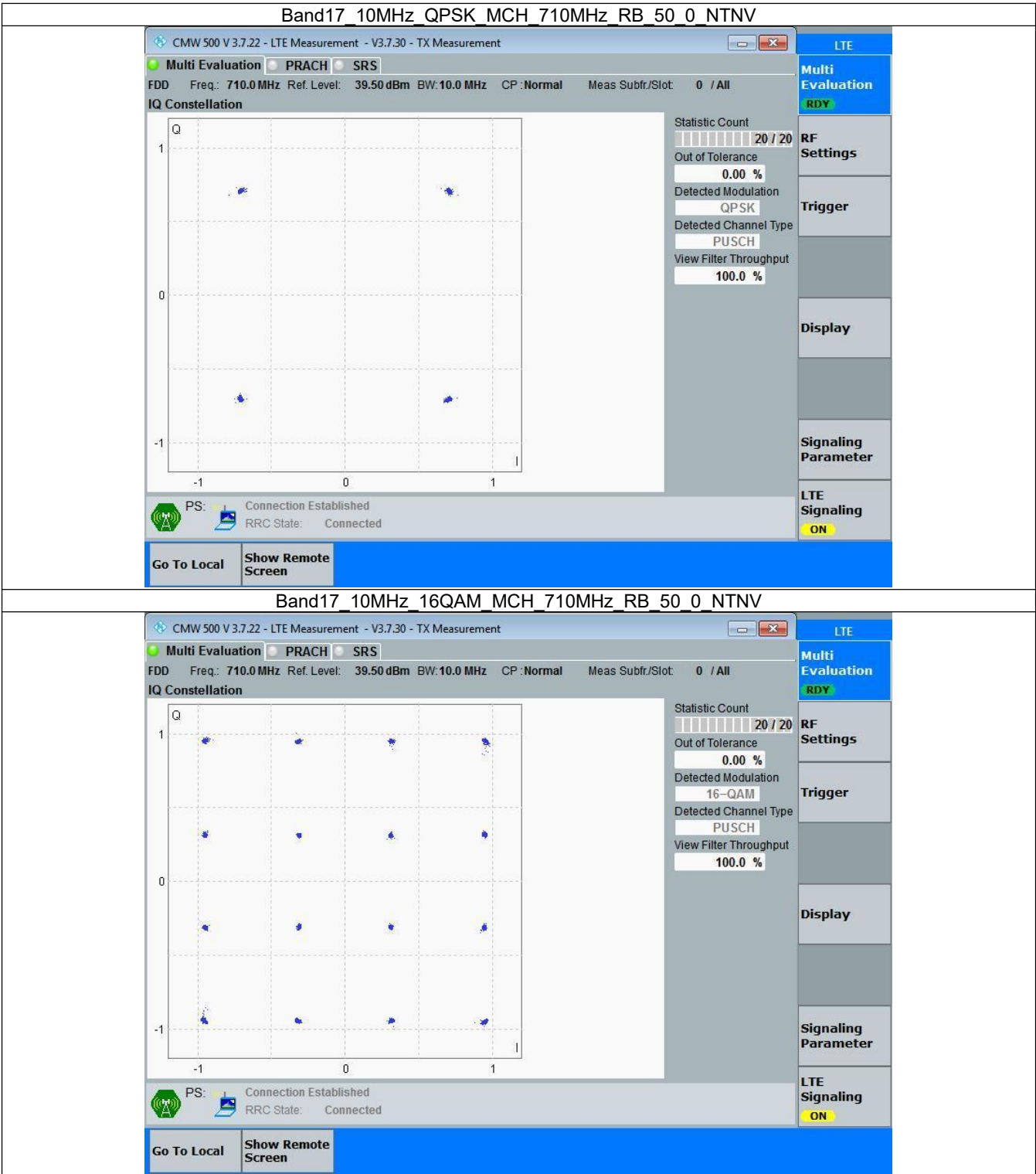


3.2 B17\_10MHz

3.2.1 Test Result

| Band: 17 / Bandwidth: 10MHz / NTNv |                    |               |        |                            |       |         |
|------------------------------------|--------------------|---------------|--------|----------------------------|-------|---------|
| Modulation                         | Frequency<br>(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    |

3.2.2 Test Graph



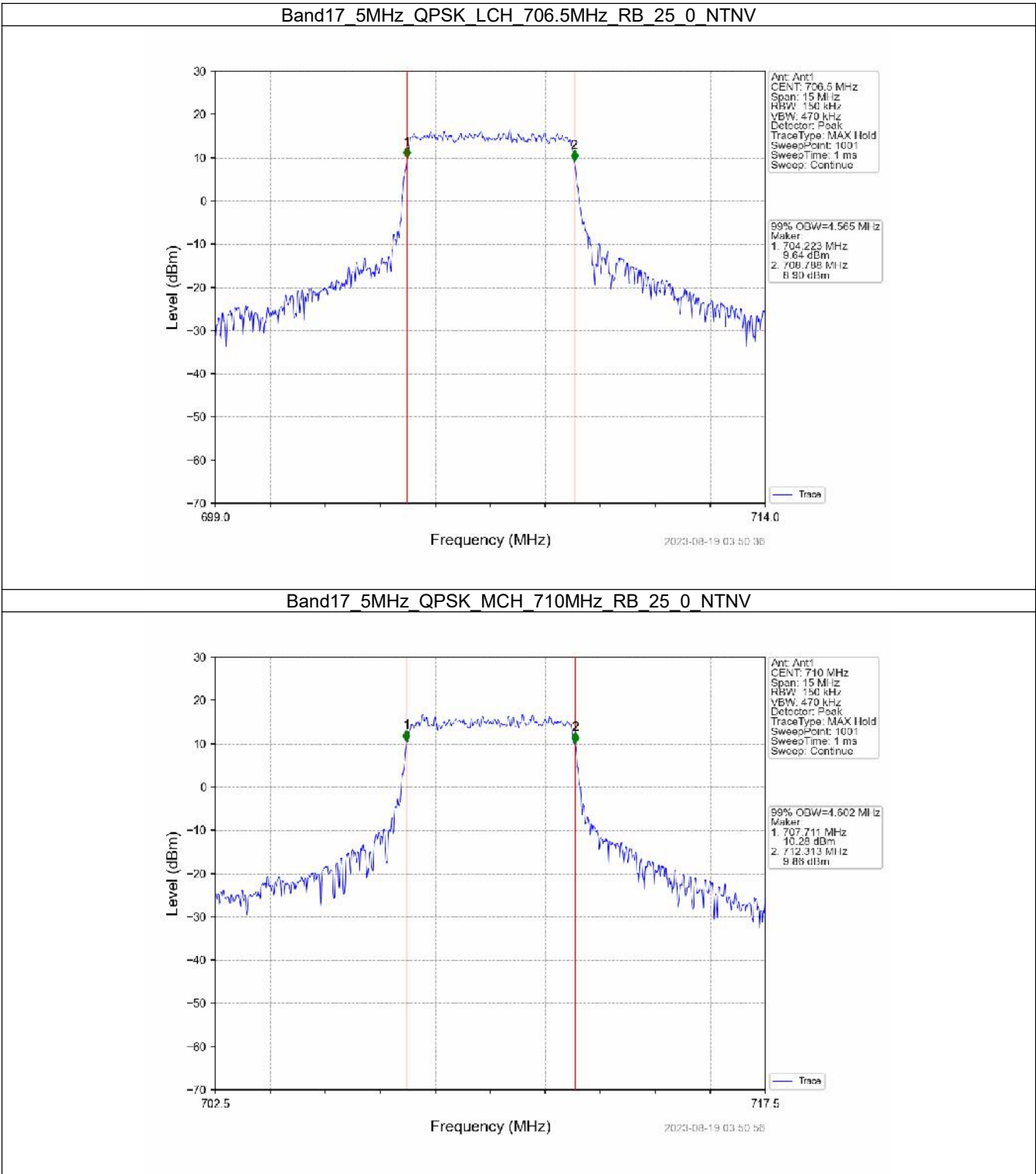
## 4. 99% & 26dB Bandwidth

### 4.1 Band17\_OBW

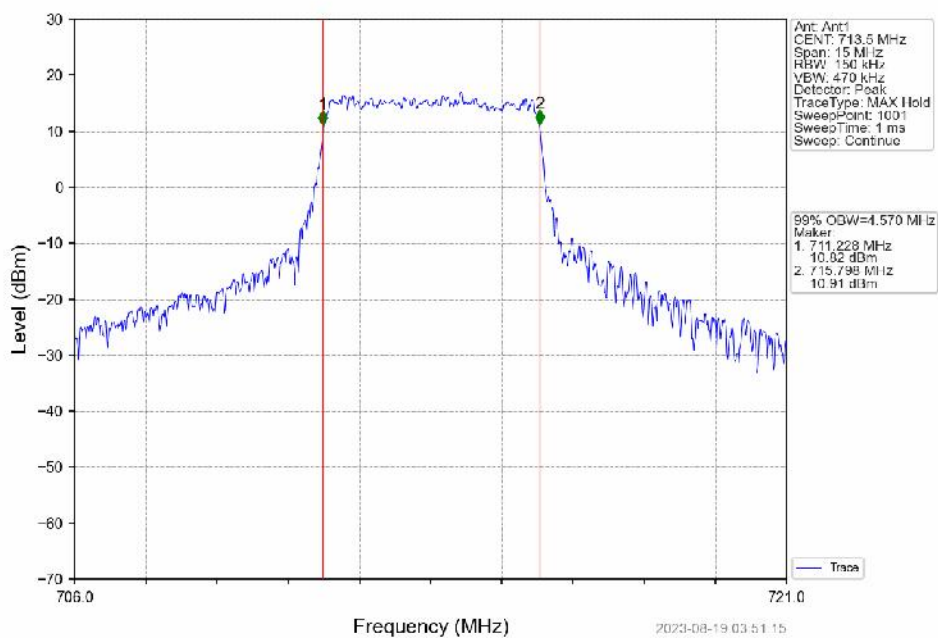
#### 4.1.1 Test Result

| Band: 17 / NTNV |            |                 |               |        |                              |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result                       |         |
| 5               | QPSK       | 706.5           | 25            | 0      | 4.565                        | Pass    |
|                 |            | 710             | 25            | 0      | 4.602                        | Pass    |
|                 |            | 713.5           | 25            | 0      | 4.570                        | Pass    |
|                 | 16QAM      | 706.5           | 25            | 0      | 4.618                        | Pass    |
|                 |            | 710             | 25            | 0      | 4.576                        | Pass    |
|                 |            | 713.5           | 25            | 0      | 4.588                        | Pass    |
| 10              | QPSK       | 709             | 50            | 0      | 9.074                        | Pass    |
|                 |            | 710             | 50            | 0      | 9.061                        | Pass    |
|                 |            | 711             | 50            | 0      | 9.042                        | Pass    |
|                 | 16QAM      | 709             | 50            | 0      | 9.048                        | Pass    |
|                 |            | 710             | 50            | 0      | 9.066                        | Pass    |
|                 |            | 711             | 50            | 0      | 9.073                        | Pass    |

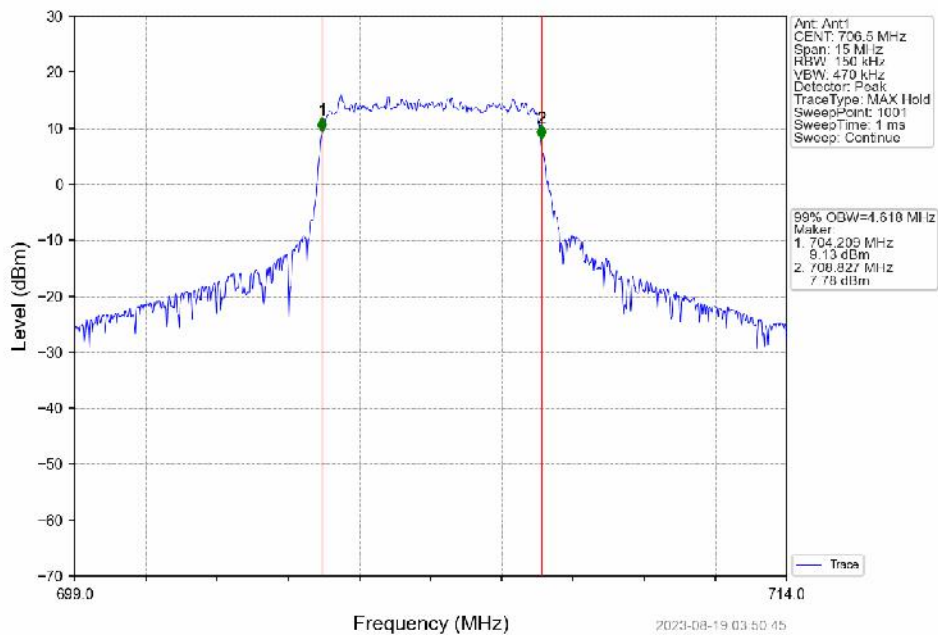
4.1.2 Test Graph



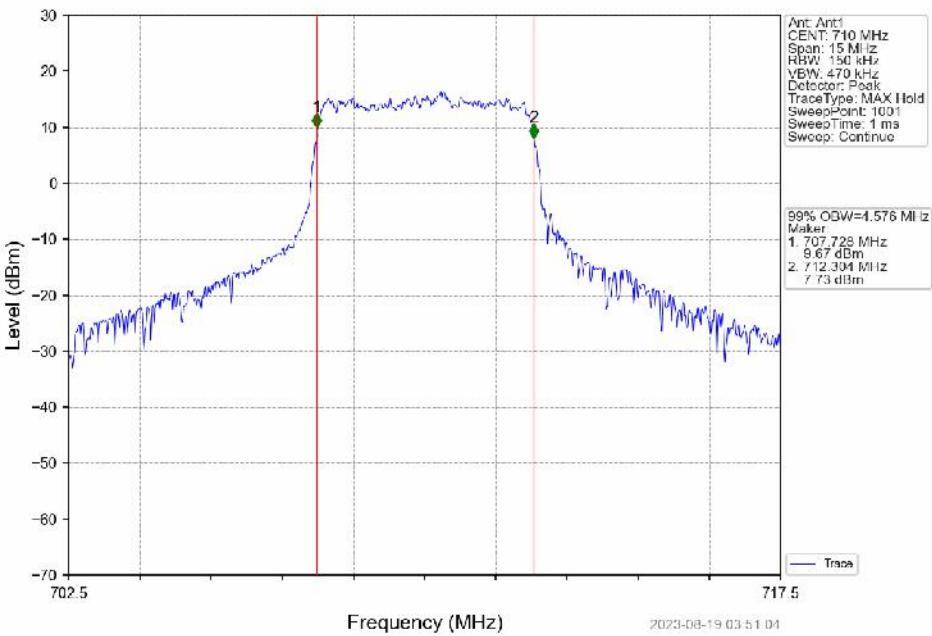
Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



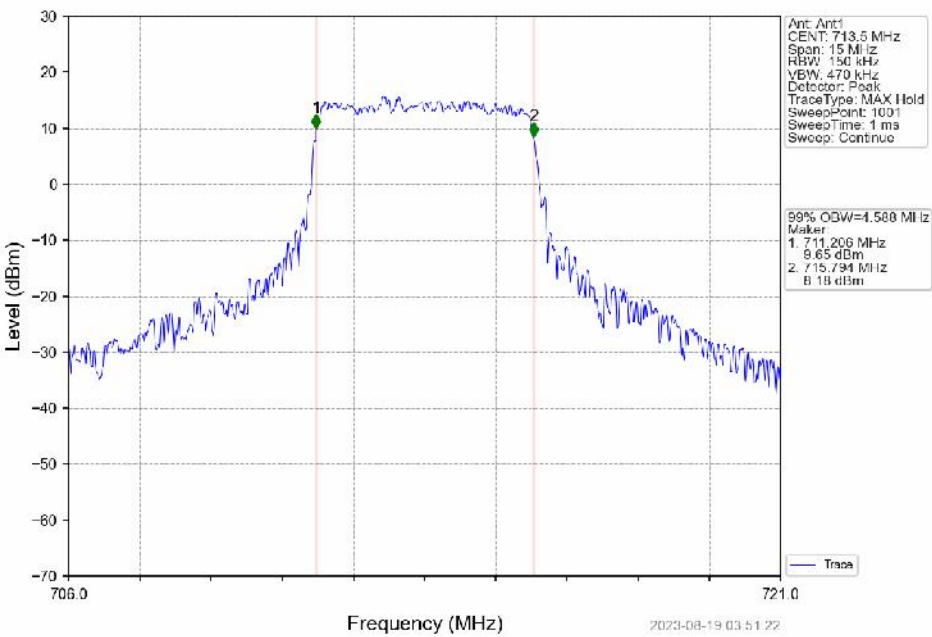
Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



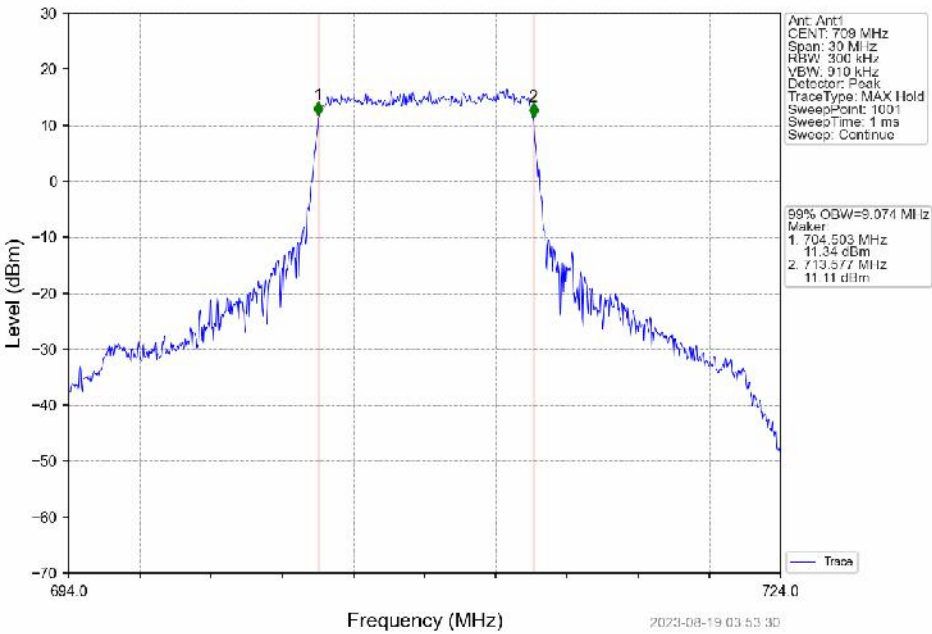
Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_25\_0\_NTNV



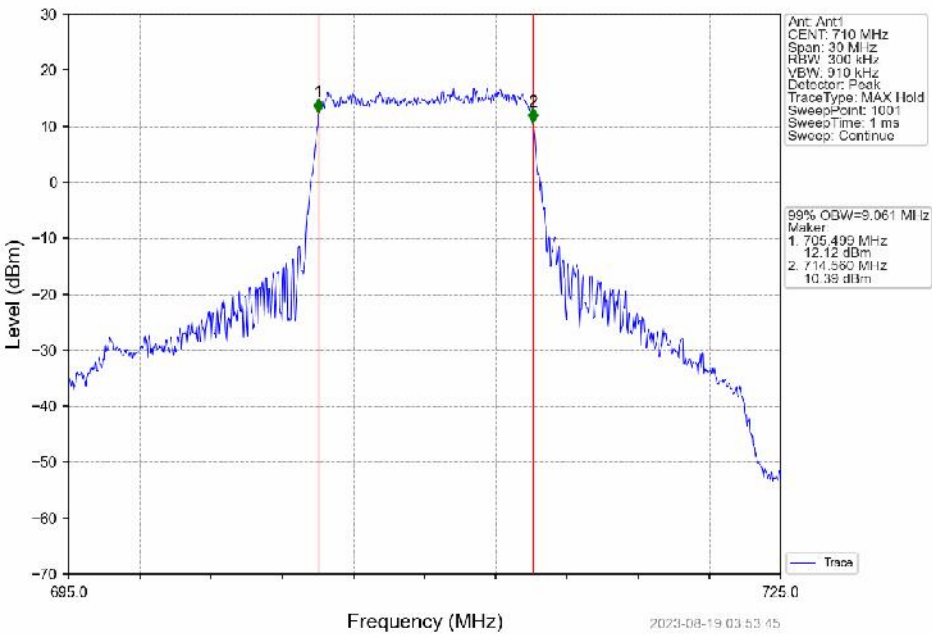
Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



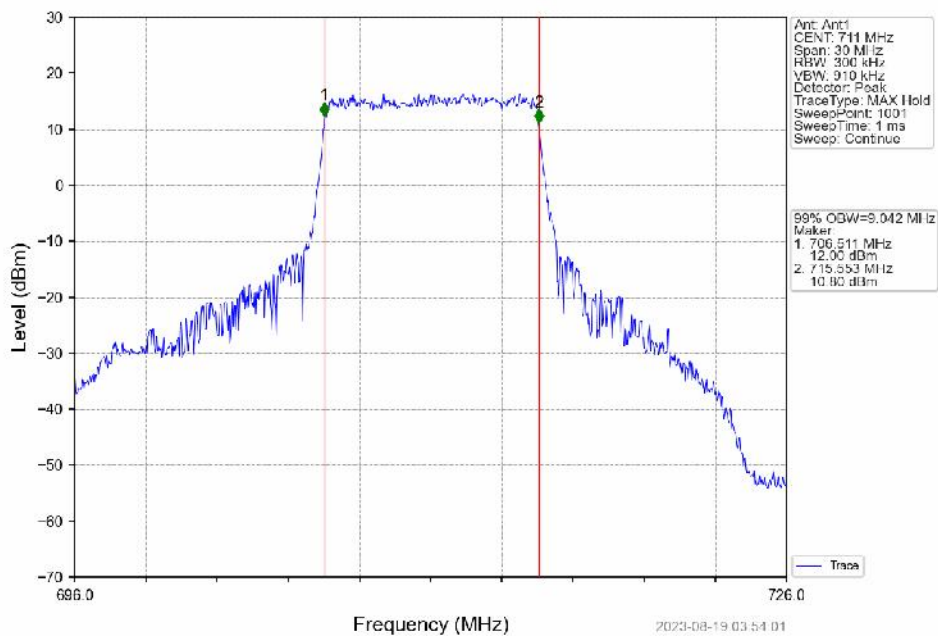
Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_50\_0\_NTNV



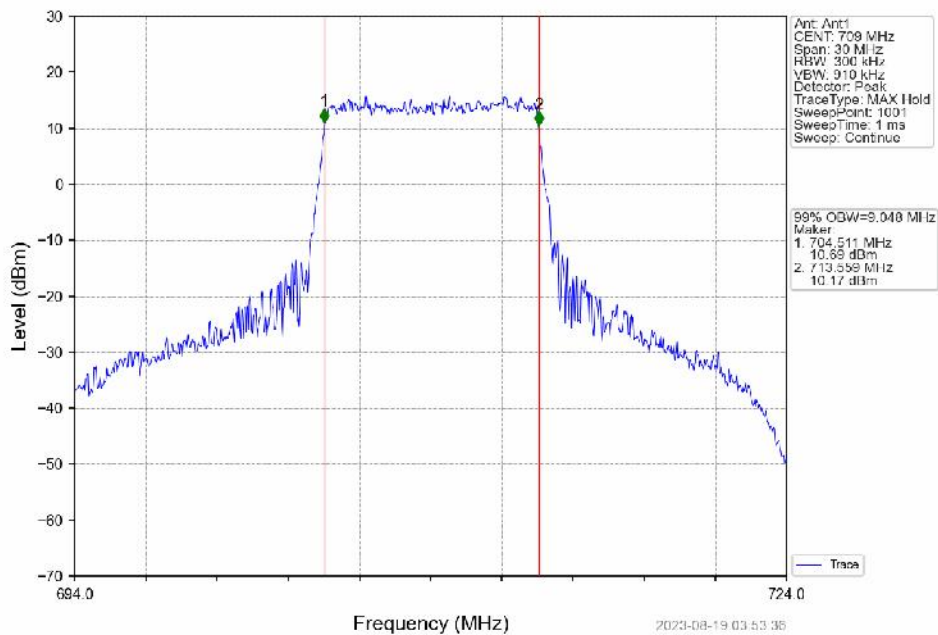
Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_50\_0\_NTNV



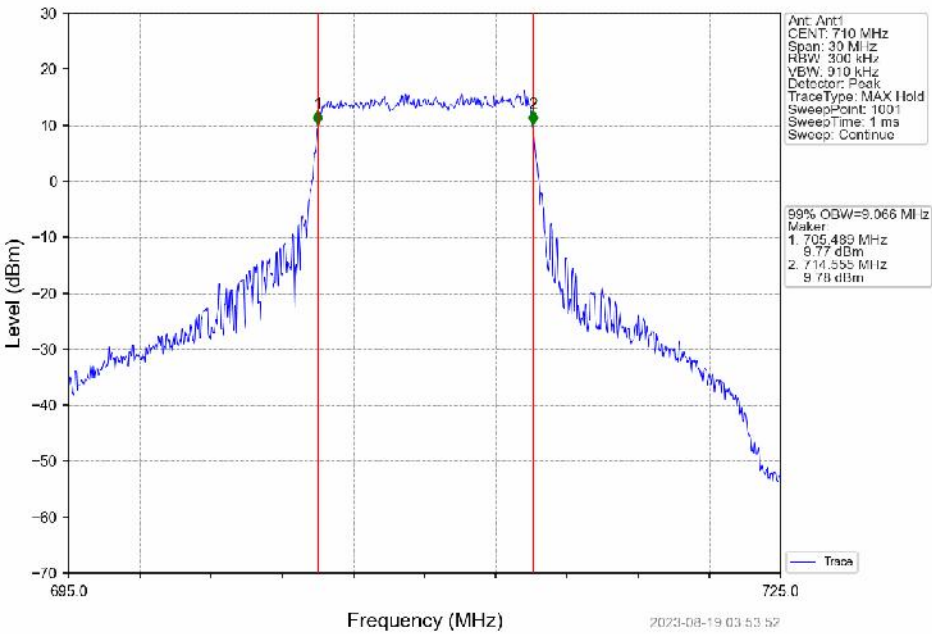
Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



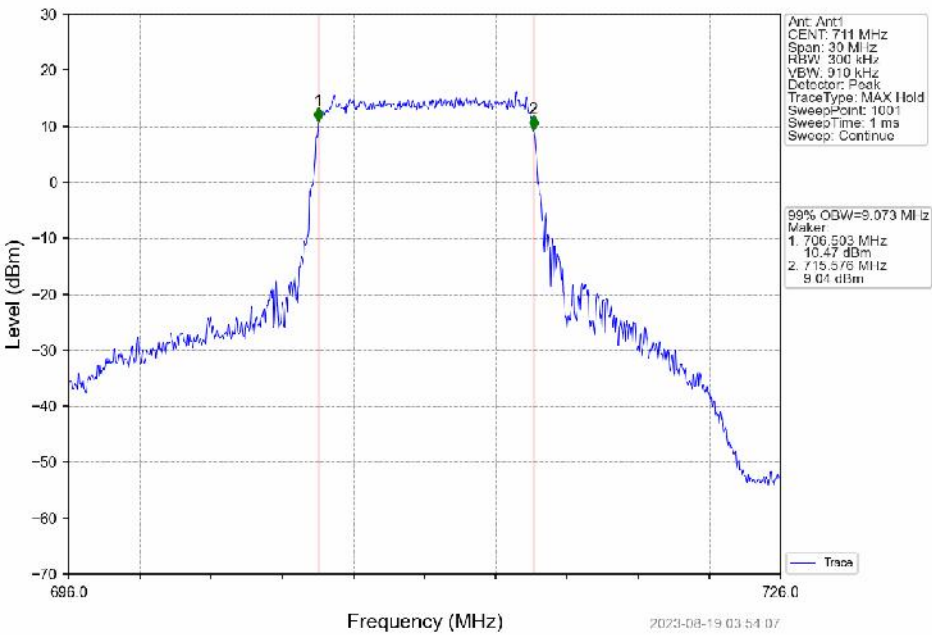
Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV



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



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

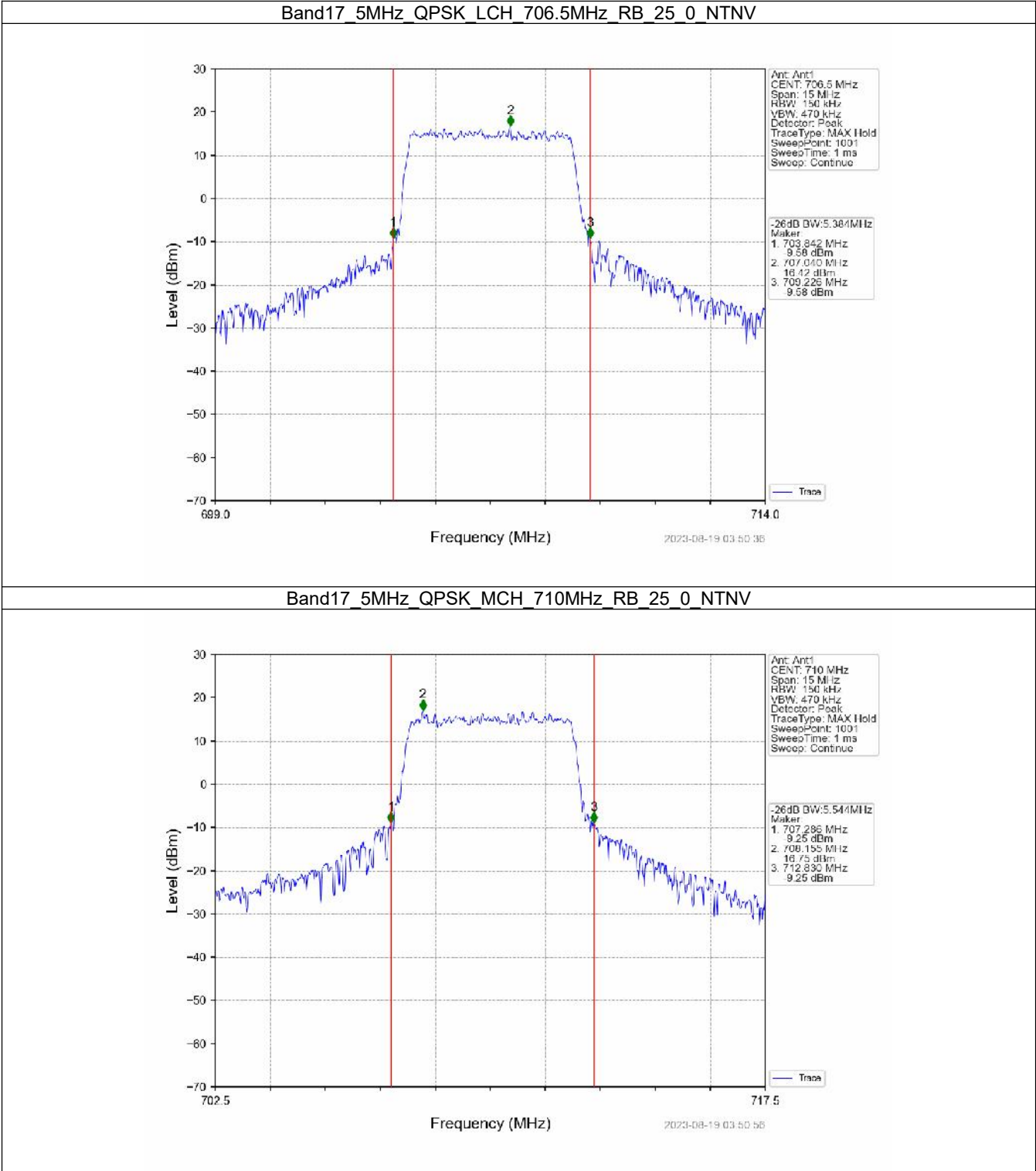


## 4.2 Band17\_XDB

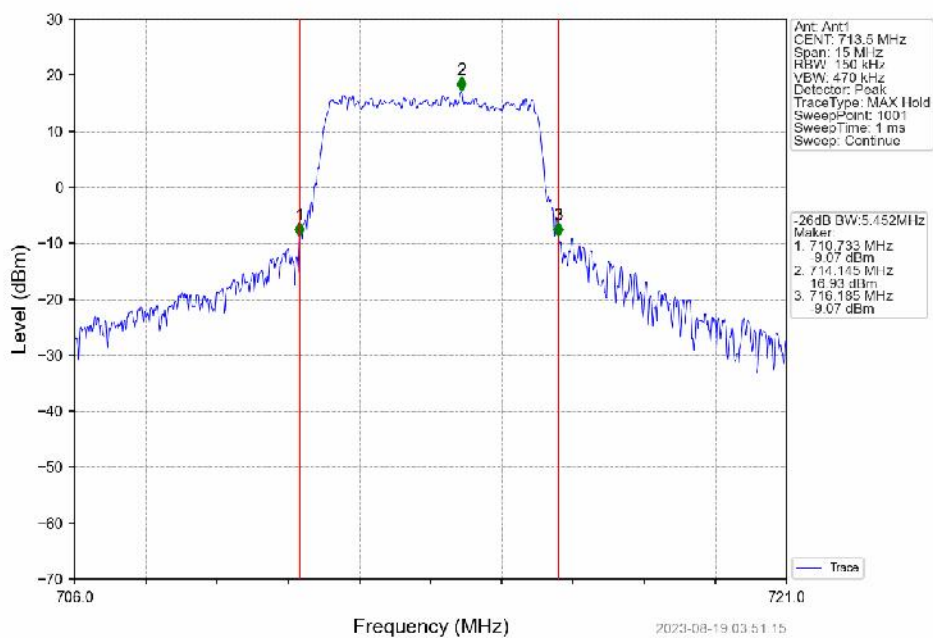
### 4.2.1 Test Result

| Band: 17 / NTNV |            |                 |               |        |                      |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) | Verdict |
|                 |            |                 | Size          | Offset | Result               |         |
| 5               | QPSK       | 706.5           | 25            | 0      | 5.384                | Pass    |
|                 |            | 710             | 25            | 0      | 5.544                | Pass    |
|                 |            | 713.5           | 25            | 0      | 5.452                | Pass    |
|                 | 16QAM      | 706.5           | 25            | 0      | 5.895                | Pass    |
|                 |            | 710             | 25            | 0      | 5.602                | Pass    |
|                 |            | 713.5           | 25            | 0      | 5.415                | Pass    |
| 10              | QPSK       | 709             | 50            | 0      | 10.245               | Pass    |
|                 |            | 710             | 50            | 0      | 10.122               | Pass    |
|                 |            | 711             | 50            | 0      | 10.366               | Pass    |
|                 | 16QAM      | 709             | 50            | 0      | 10.141               | Pass    |
|                 |            | 710             | 50            | 0      | 10.961               | Pass    |
|                 |            | 711             | 50            | 0      | 10.183               | Pass    |

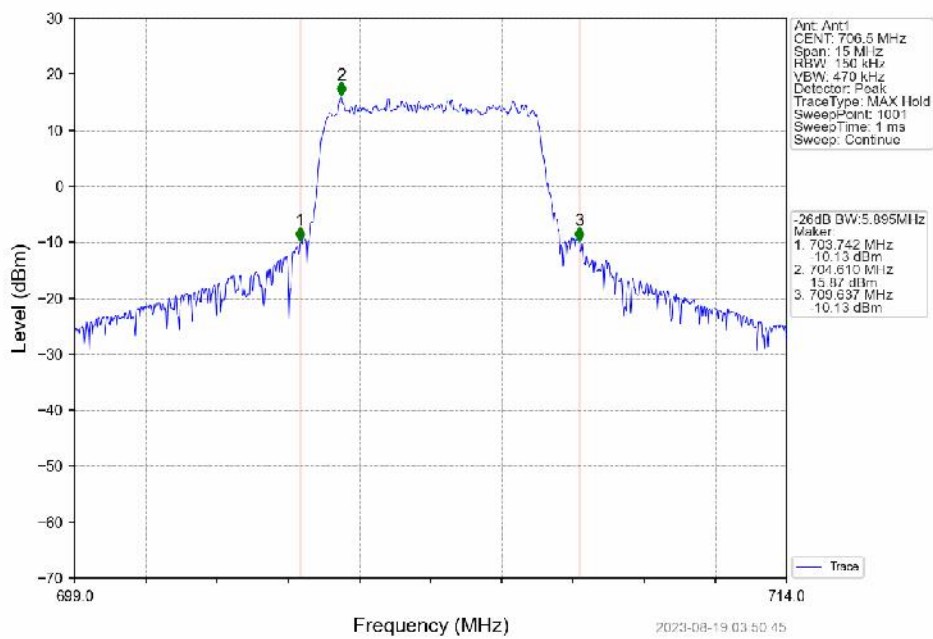
4.2.2 Test Graph



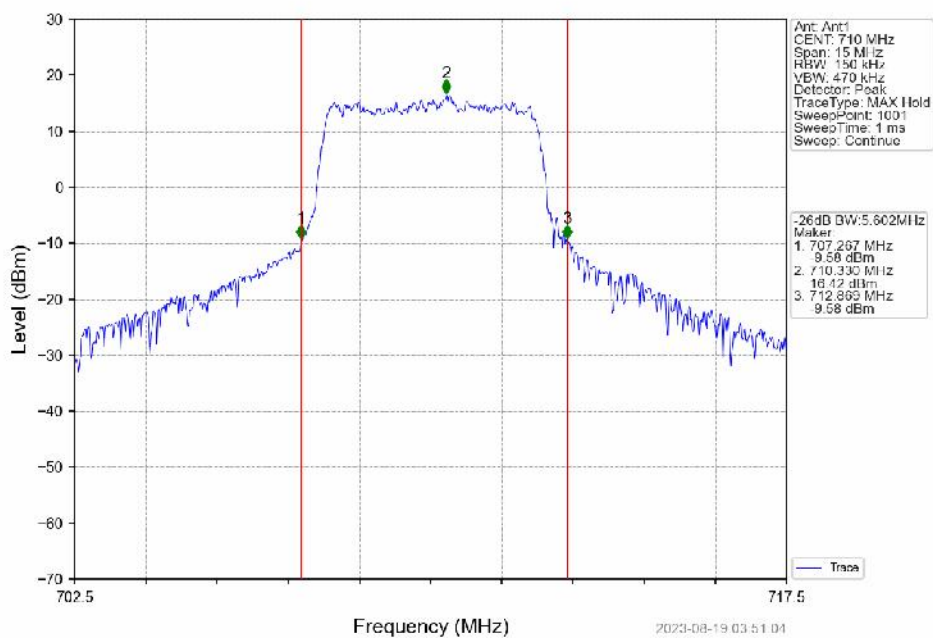
Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



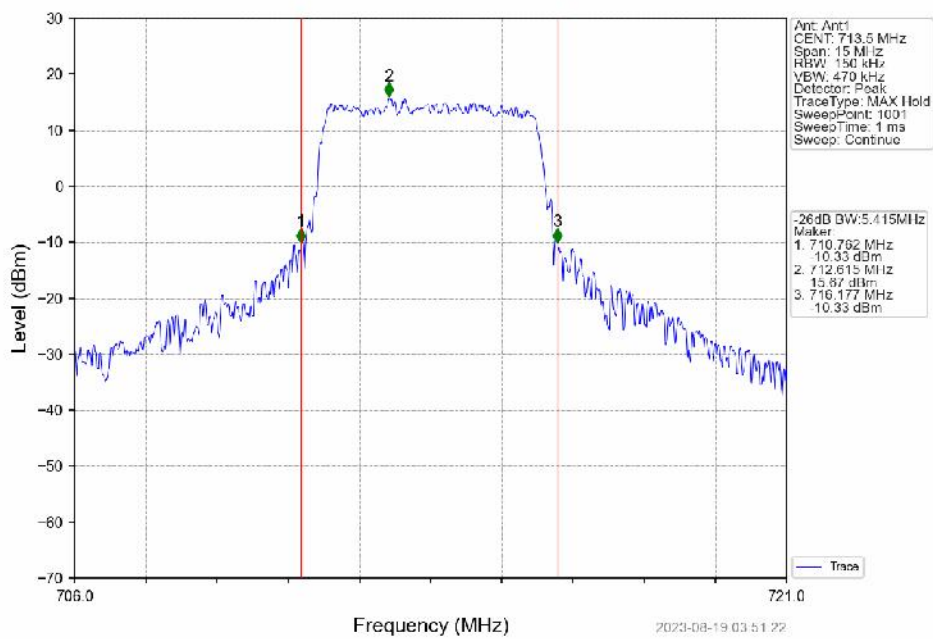
Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



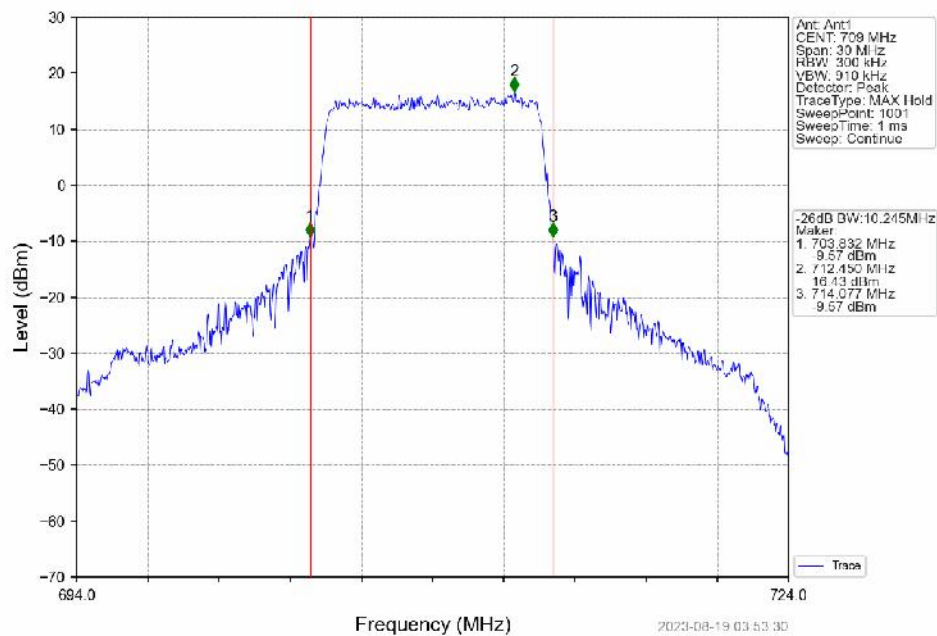
Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_25\_0\_NTNV



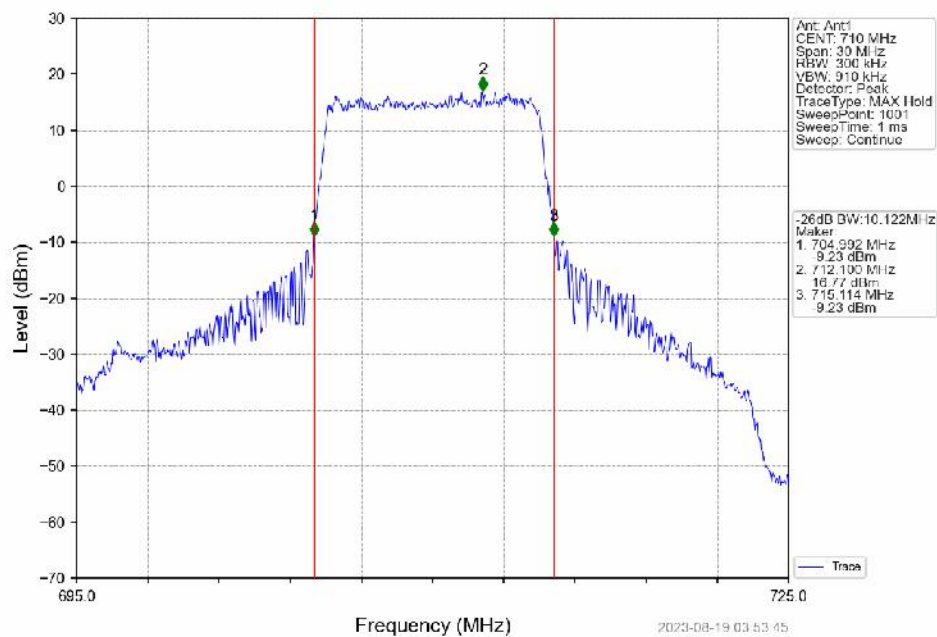
Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



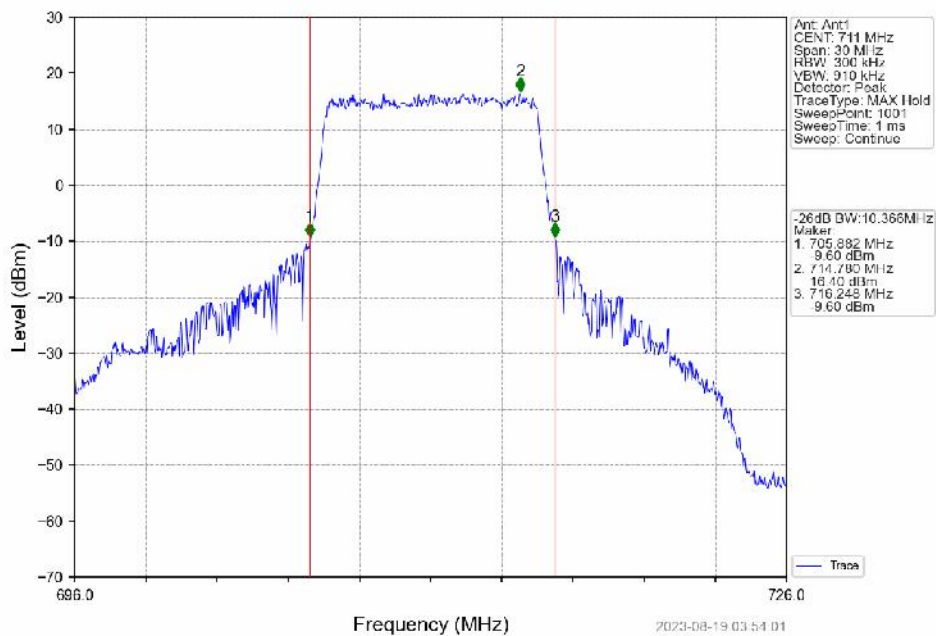
Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_50\_0\_NTNV



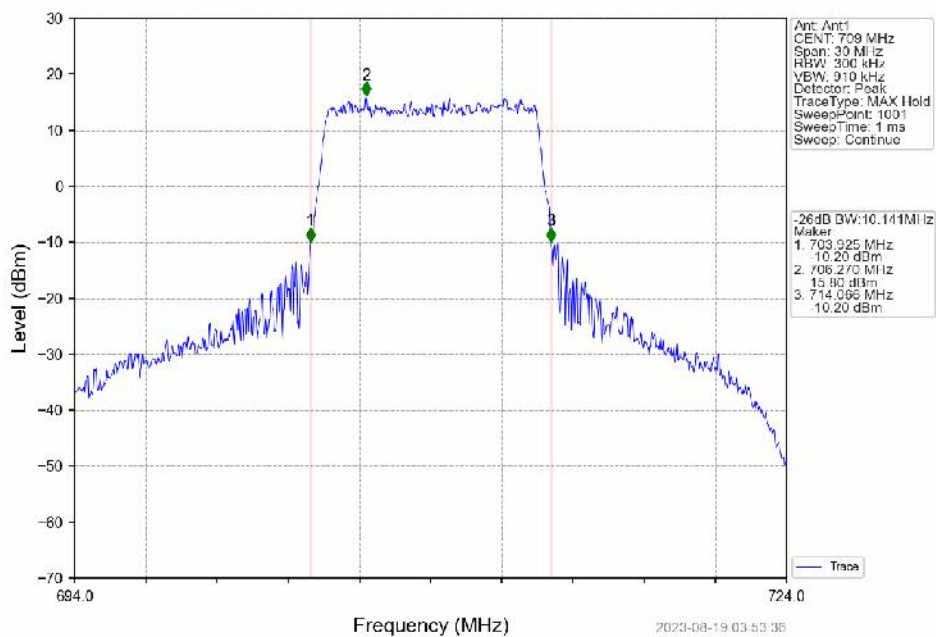
Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_50\_0\_NTNV



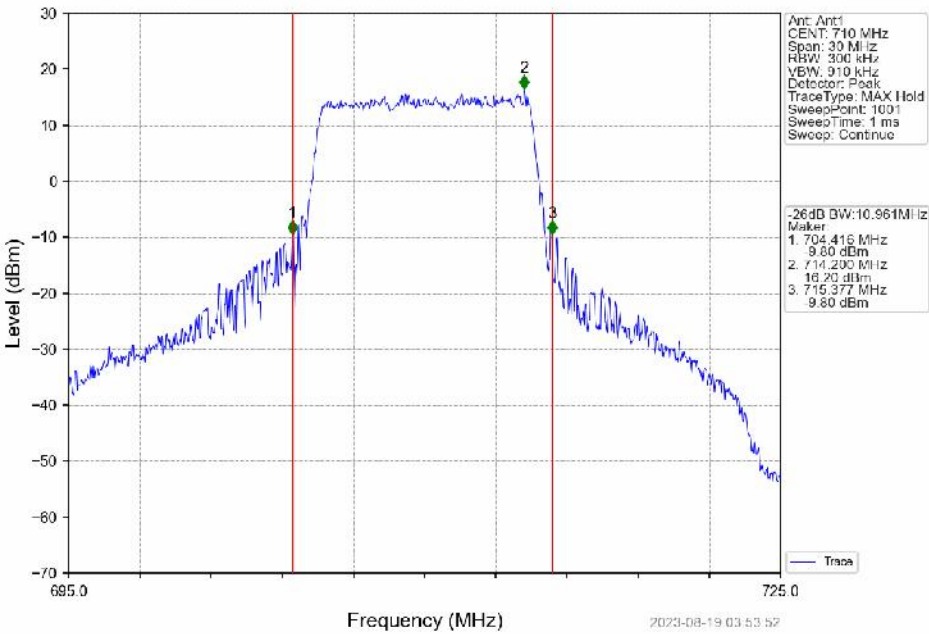
Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



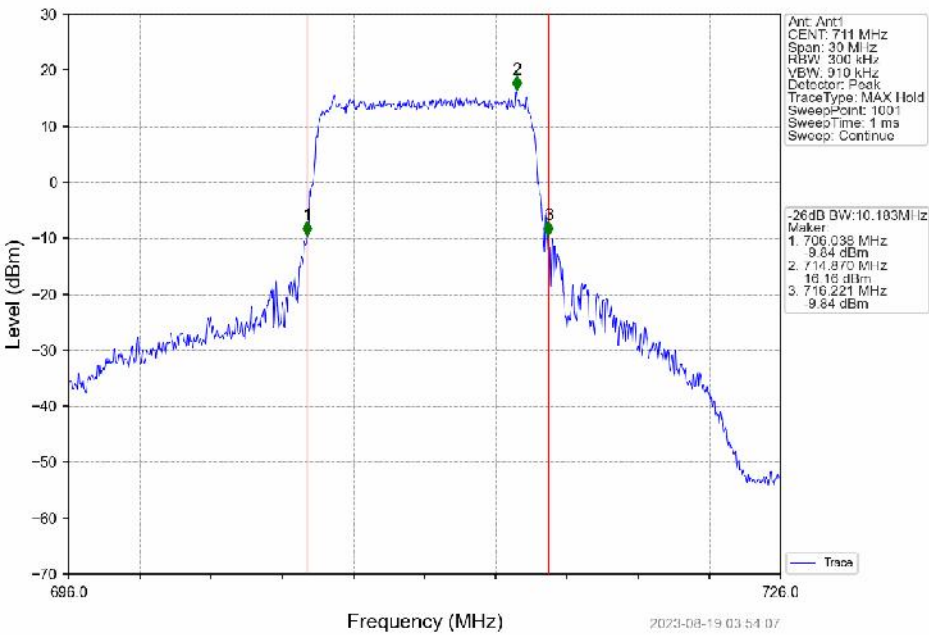
Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV



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



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



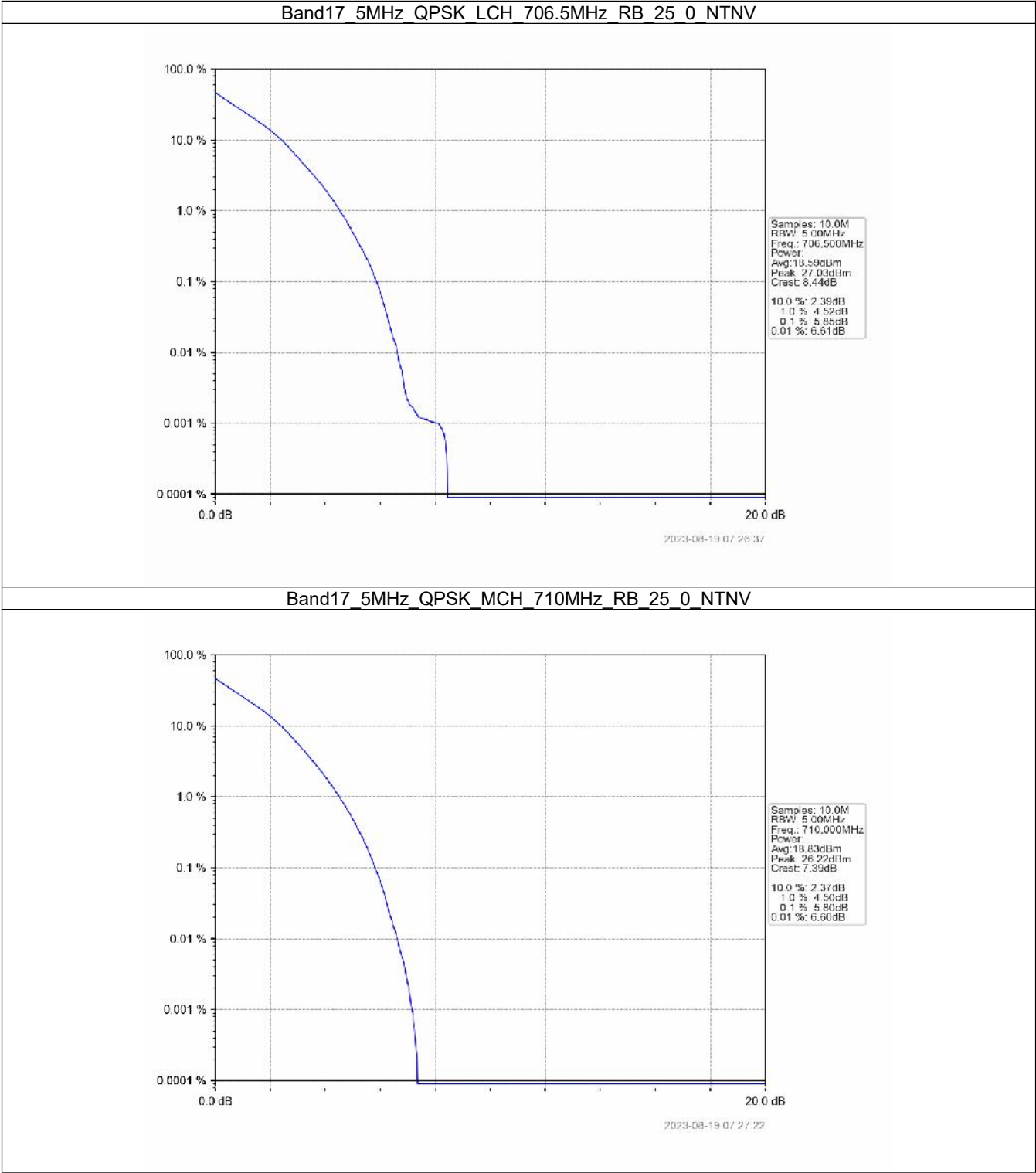
## 5. Peak-Average Ratio

### 5.1 B17\_5MHz

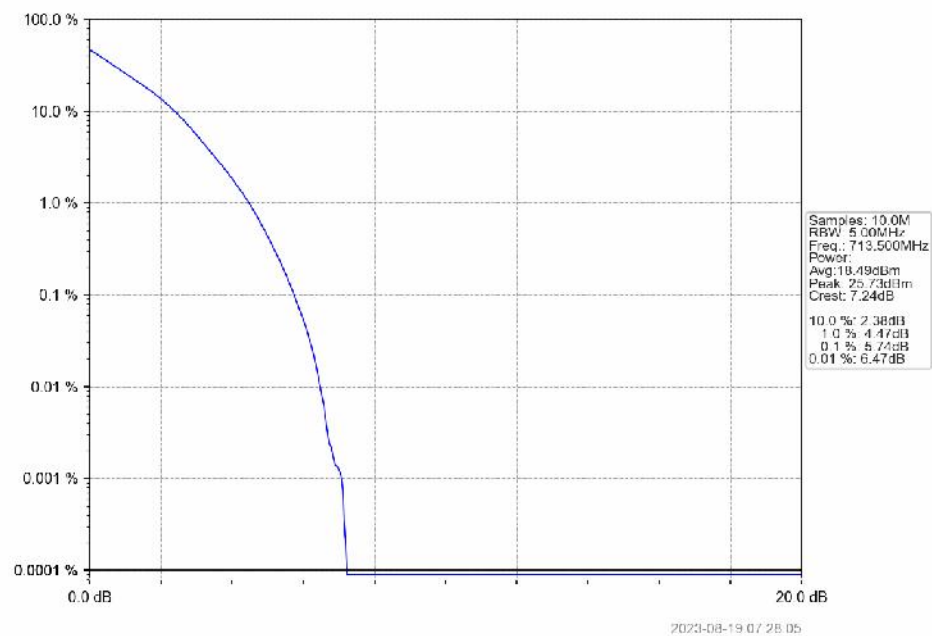
#### 5.1.1 Test Result

| Band: 17 / Bandwidth: 5MHz / NTN |                 |               |        |                         |           |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-----------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |           | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit     |         |
| QPSK                             | 706.5           | 25            | 0      | 5.85                    | $\leq 13$ | Pass    |
|                                  | 710             | 25            | 0      | 5.80                    | $\leq 13$ | Pass    |
|                                  | 713.5           | 25            | 0      | 5.74                    | $\leq 13$ | Pass    |
| 16QAM                            | 706.5           | 25            | 0      | 6.22                    | $\leq 13$ | Pass    |
|                                  | 710             | 25            | 0      | 6.01                    | $\leq 13$ | Pass    |
|                                  | 713.5           | 25            | 0      | 5.93                    | $\leq 13$ | Pass    |

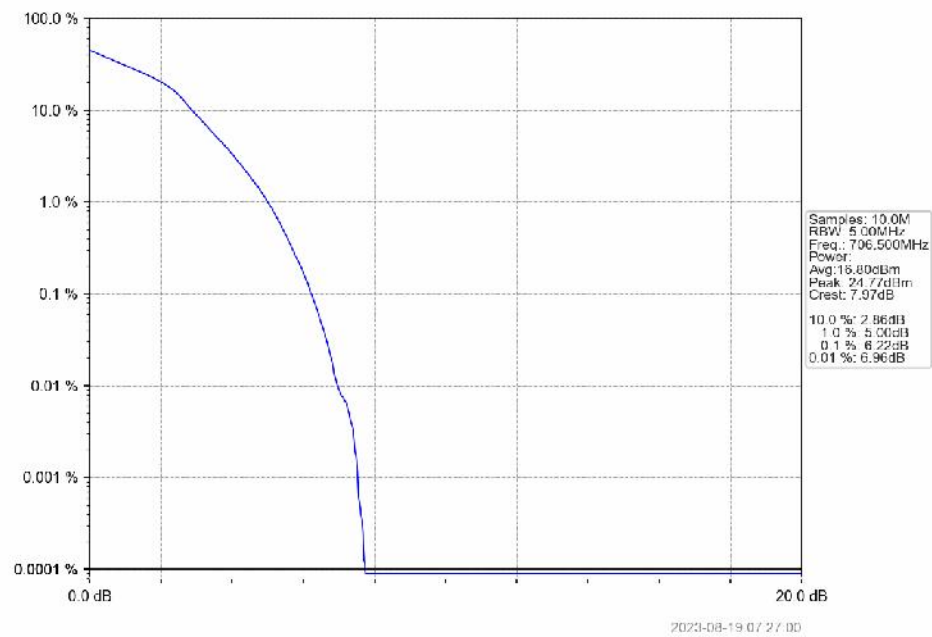
5.1.2 Test Graph



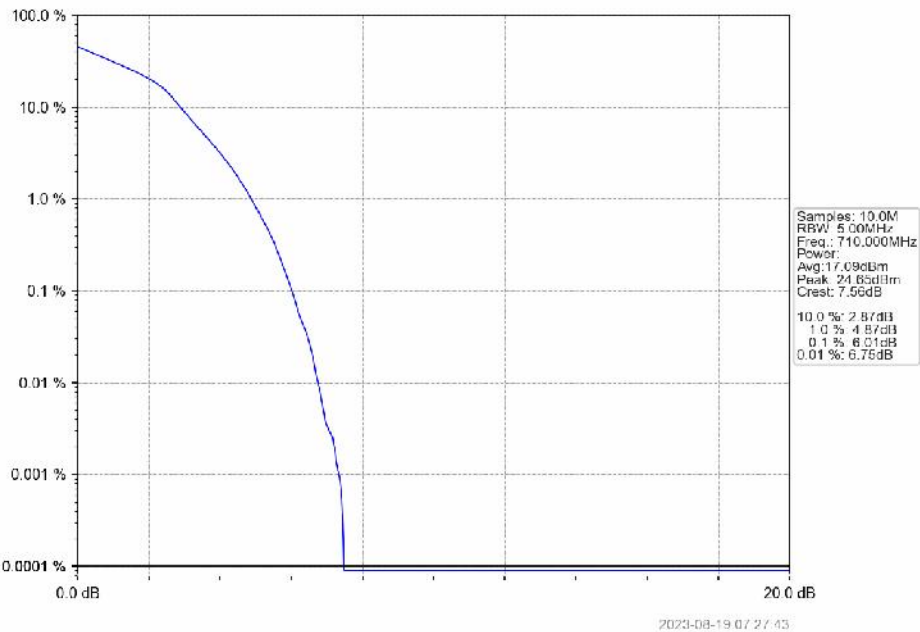
Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



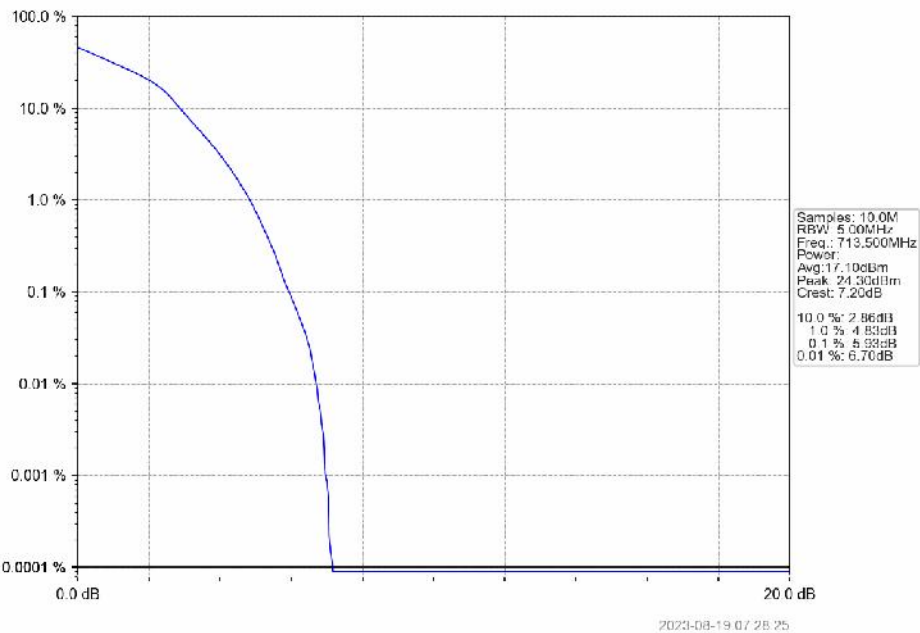
Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



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



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

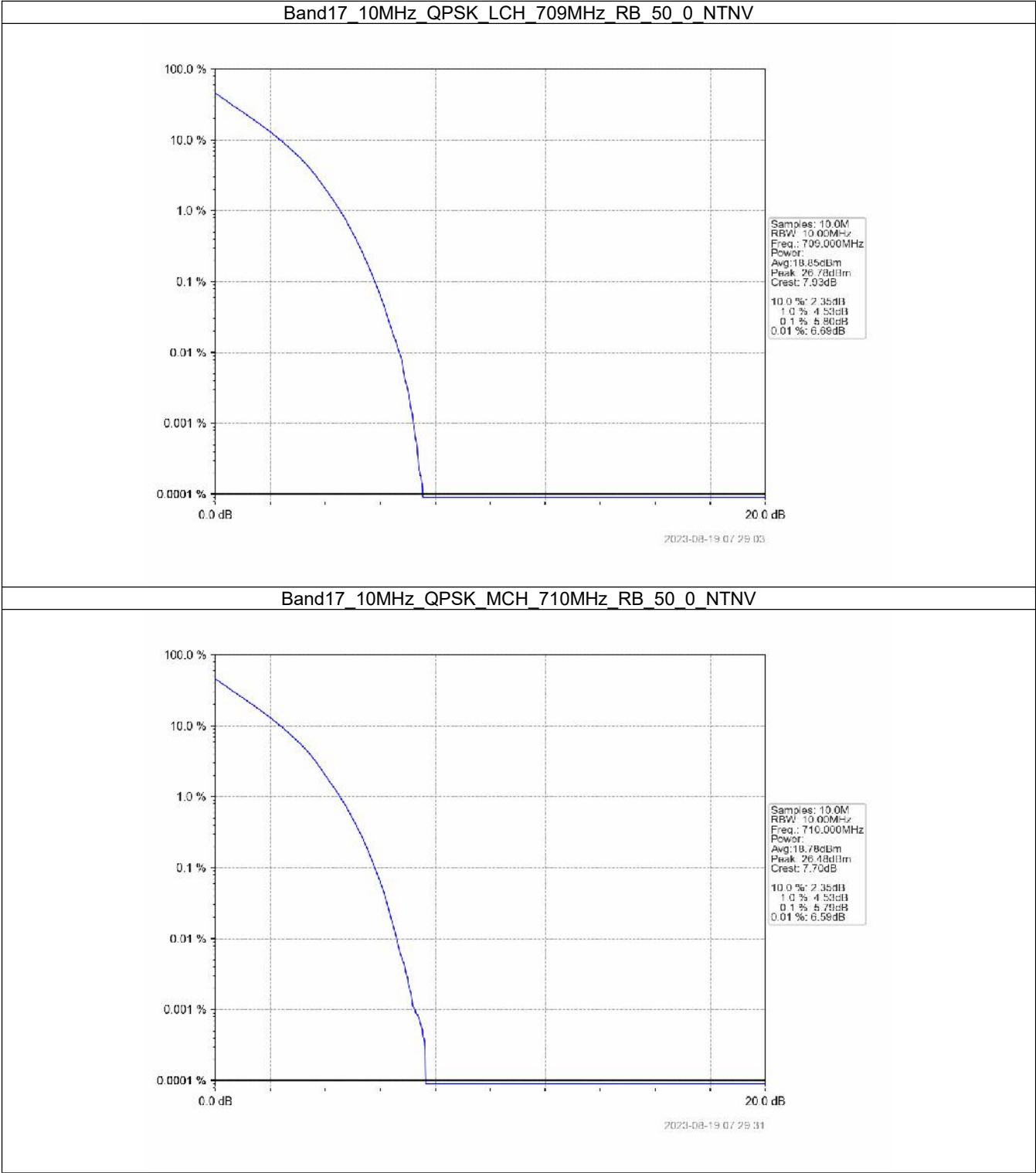


## 5.2 B17\_10MHz

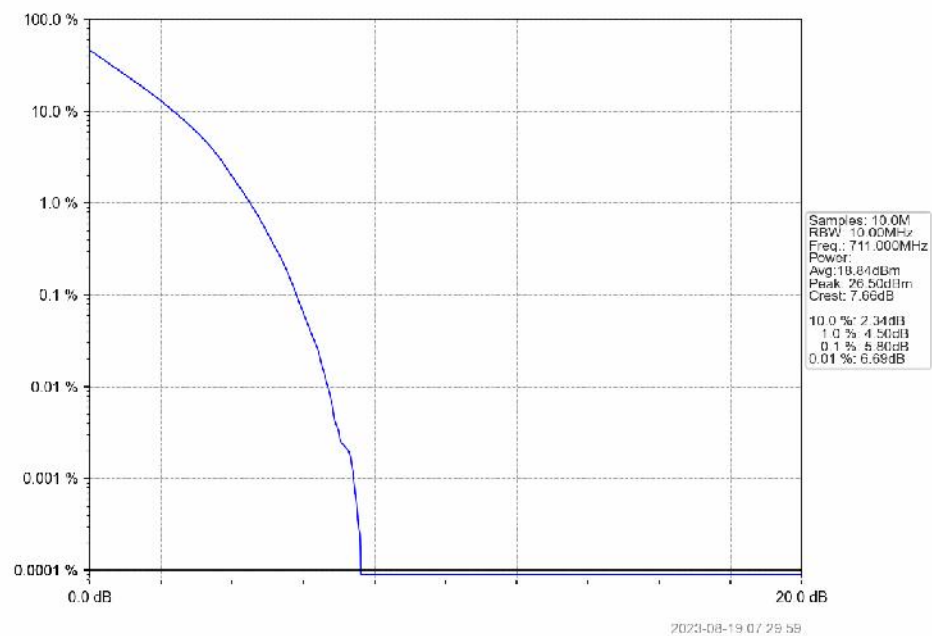
### 5.2.1 Test Result

| Band: 17 / Bandwidth: 10MHz / NTN |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 709             | 50            | 0      | 5.80                    | <=13  | Pass    |
|                                   | 710             | 50            | 0      | 5.79                    | <=13  | Pass    |
|                                   | 711             | 50            | 0      | 5.80                    | <=13  | Pass    |
| 16QAM                             | 709             | 50            | 0      | 6.04                    | <=13  | Pass    |
|                                   | 710             | 50            | 0      | 6.04                    | <=13  | Pass    |
|                                   | 711             | 50            | 0      | 5.99                    | <=13  | Pass    |

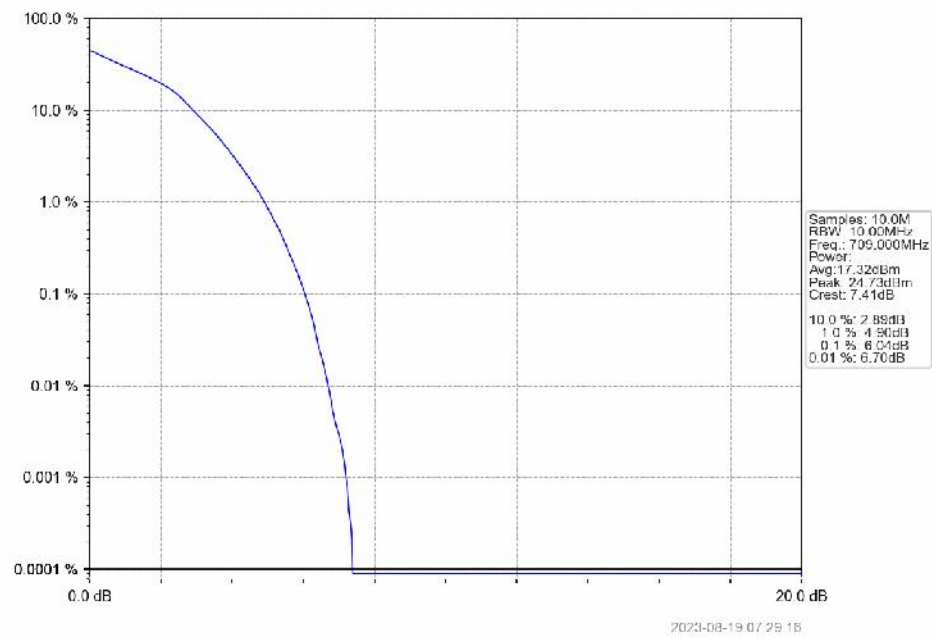
5.2.2 Test Graph



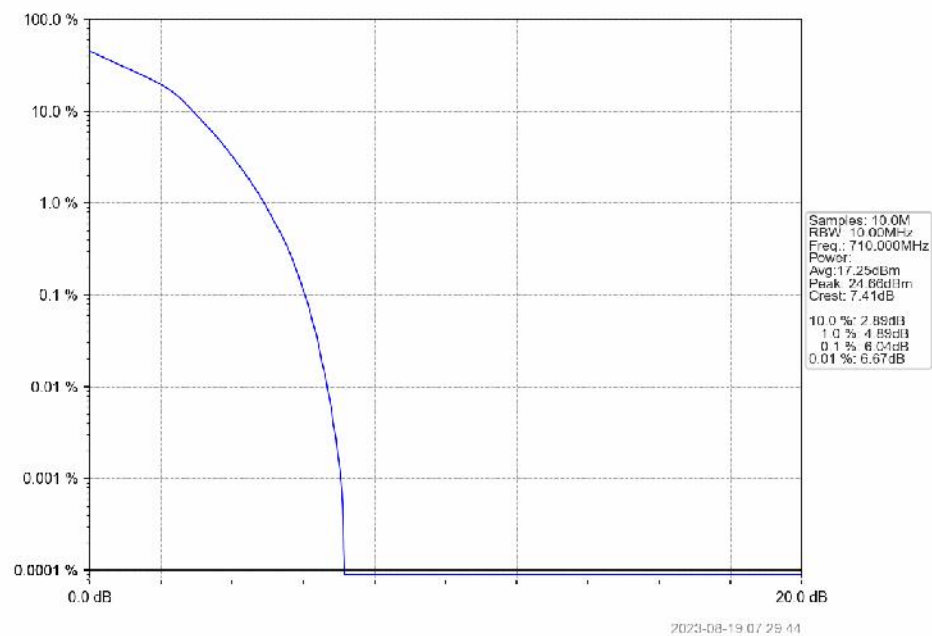
Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



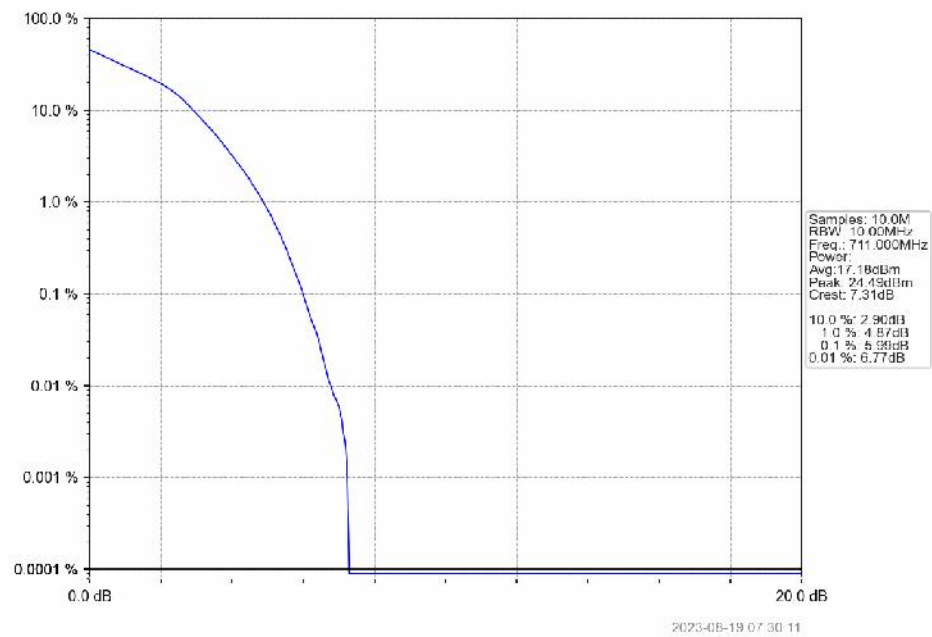
Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV



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



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



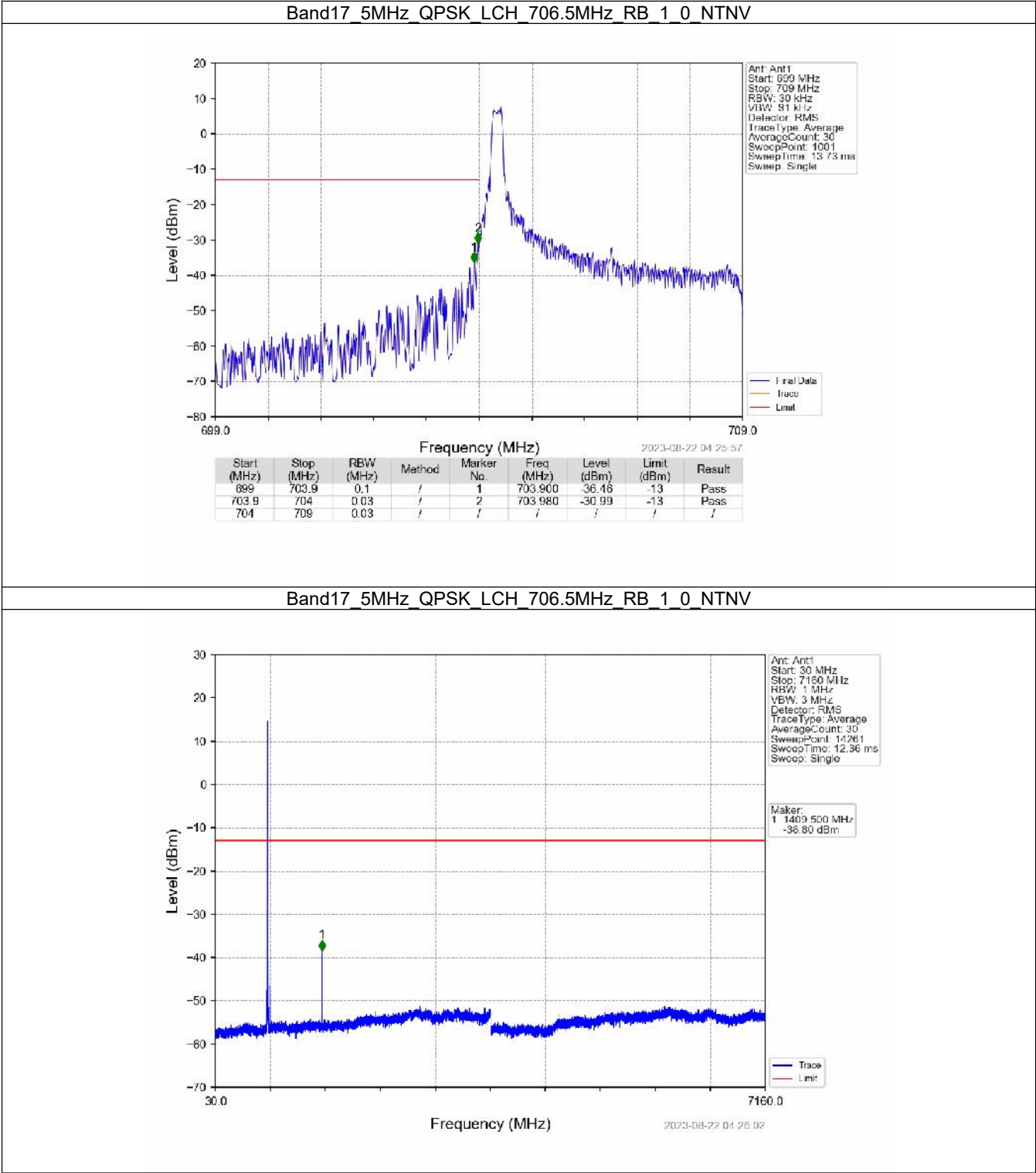
## 6. Spurious Emission

### 6.1 B17\_5MHz

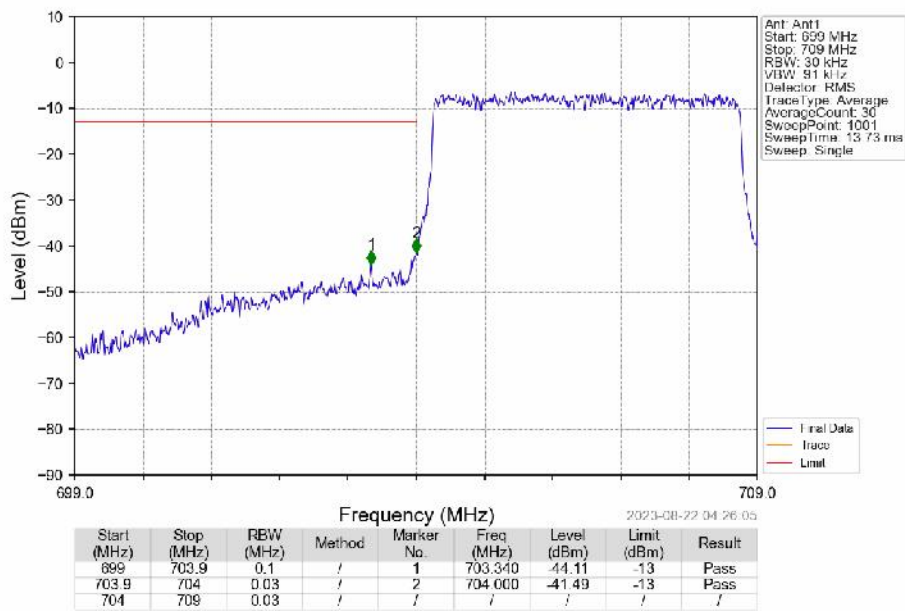
#### 6.1.1 Test Result

| Band: 17 / Bandwidth: 5MHz / NTVN |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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    |

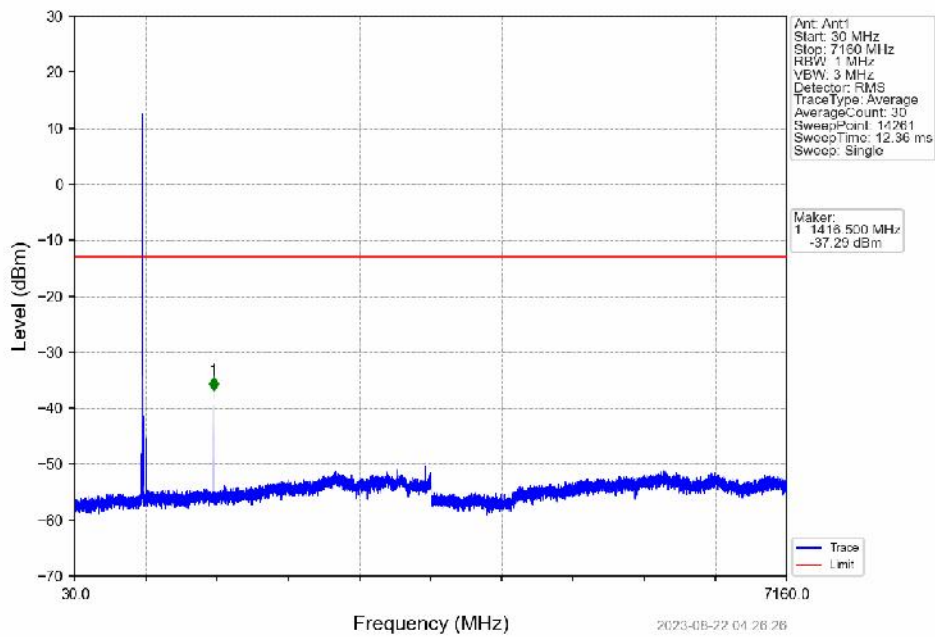
6.1.2 Test Graph



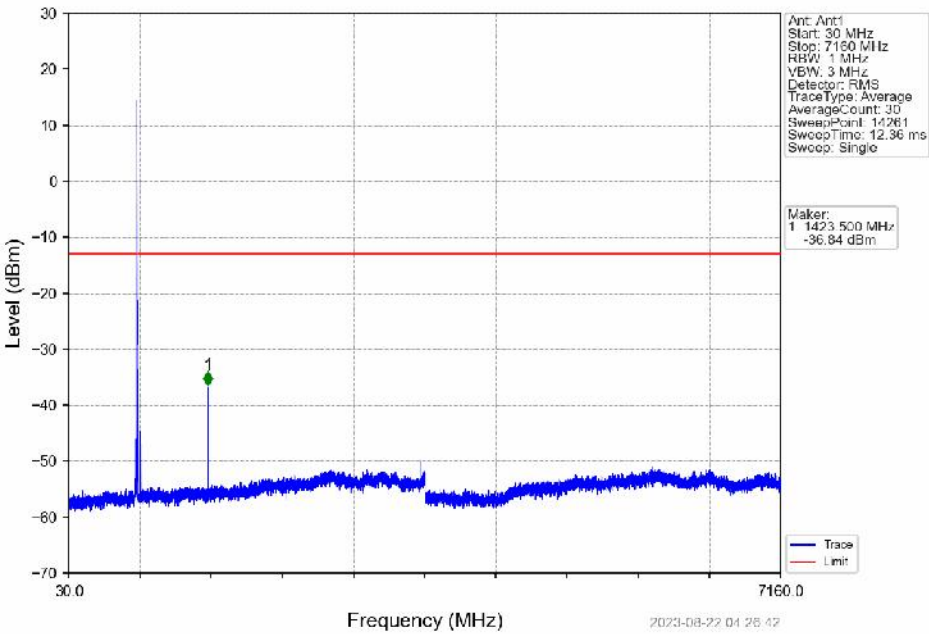
Band17\_5MHz\_QPSK\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



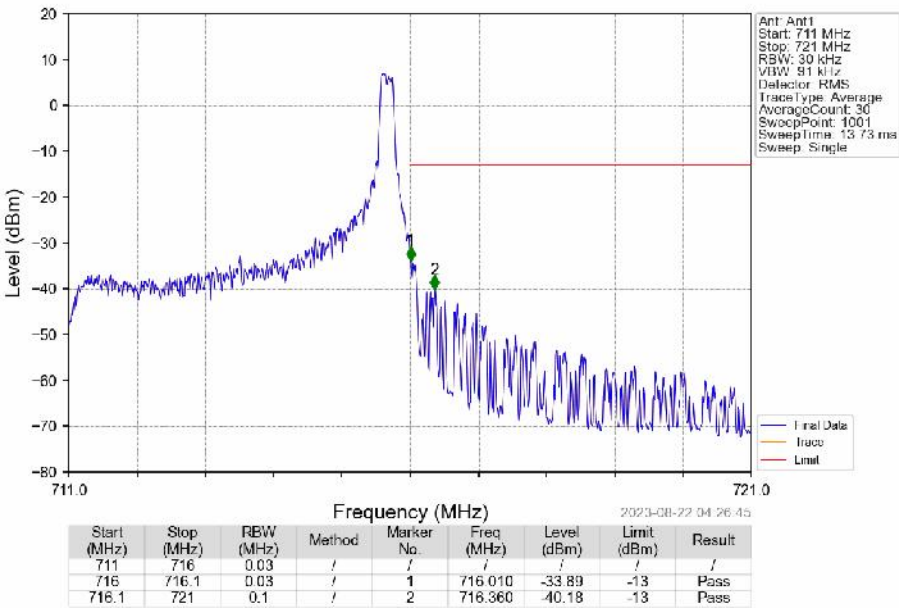
Band17\_5MHz\_QPSK\_MCH\_710MHz\_RB\_1\_0\_NTNV



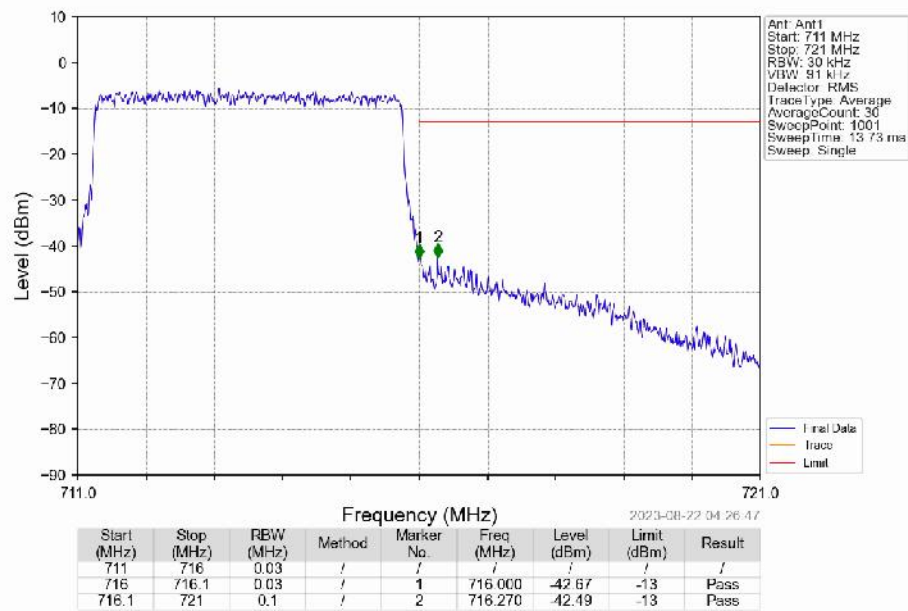
Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_1\_0\_NTNV



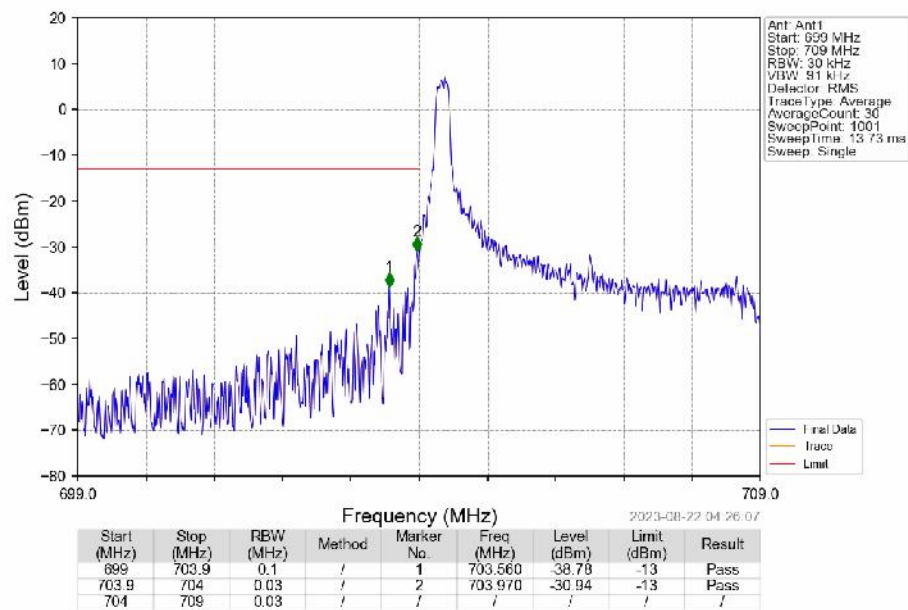
Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_1\_24\_NTNV



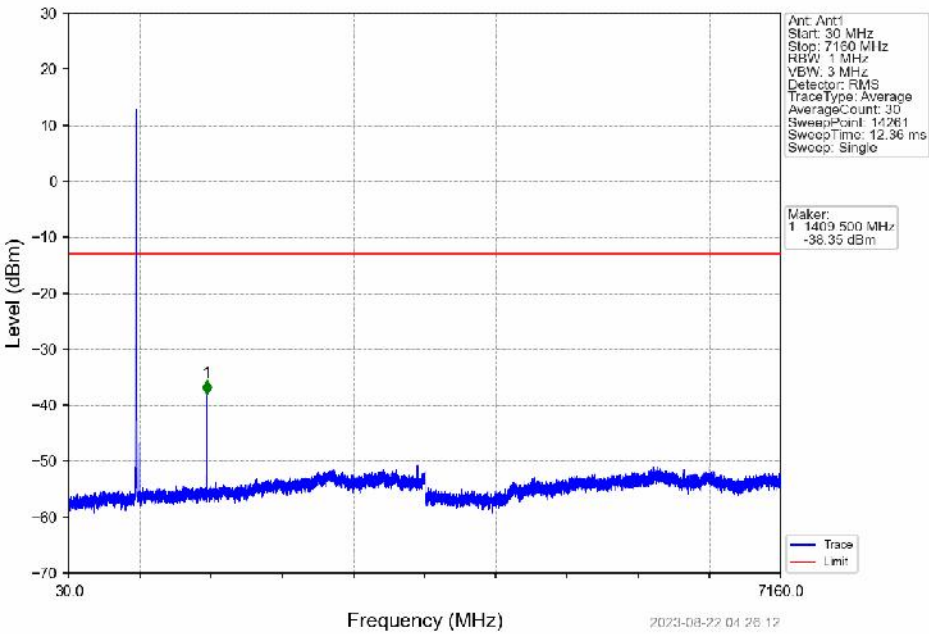
## Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



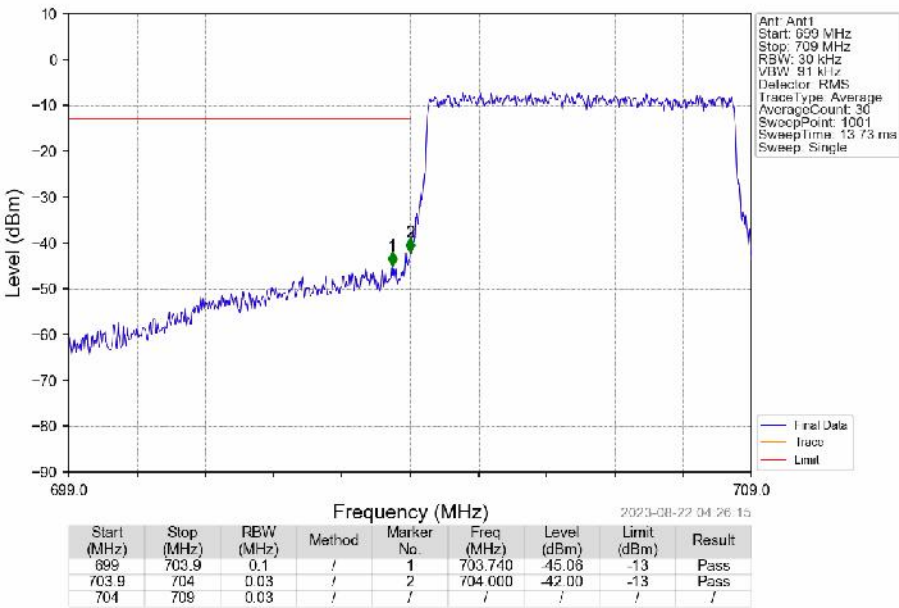
## Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_1\_0\_NTNV



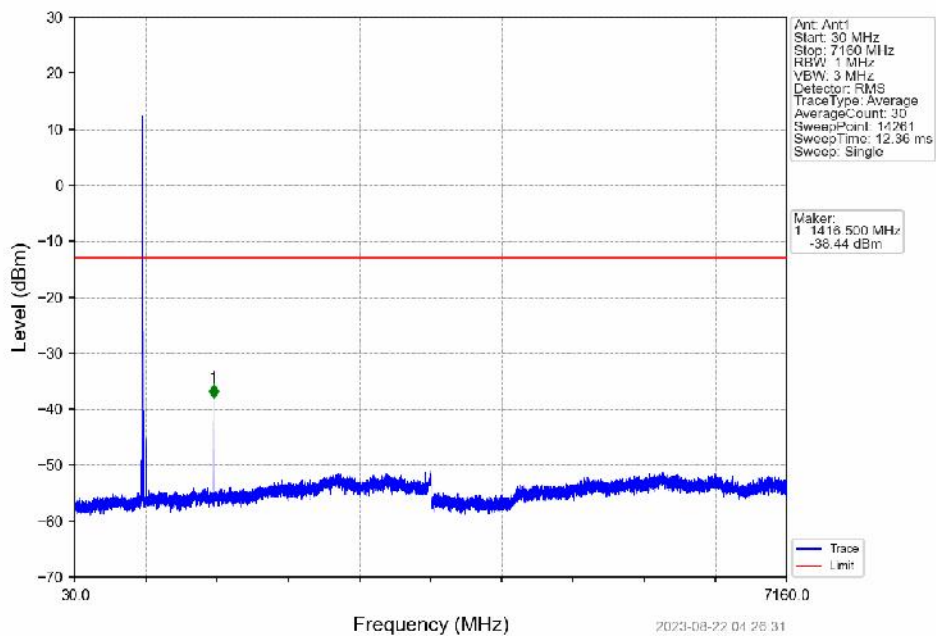
Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_1\_0\_NTNV



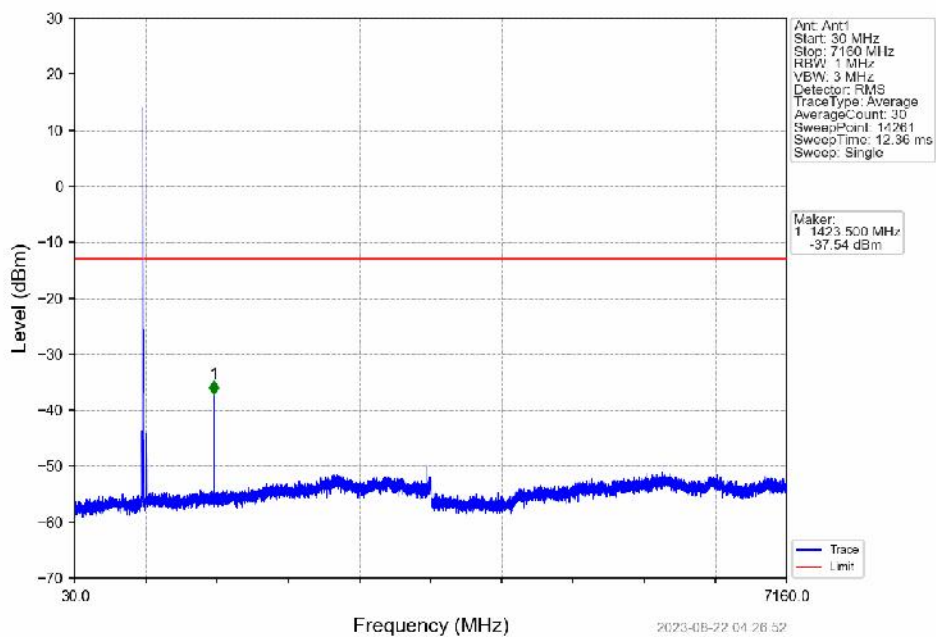
Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



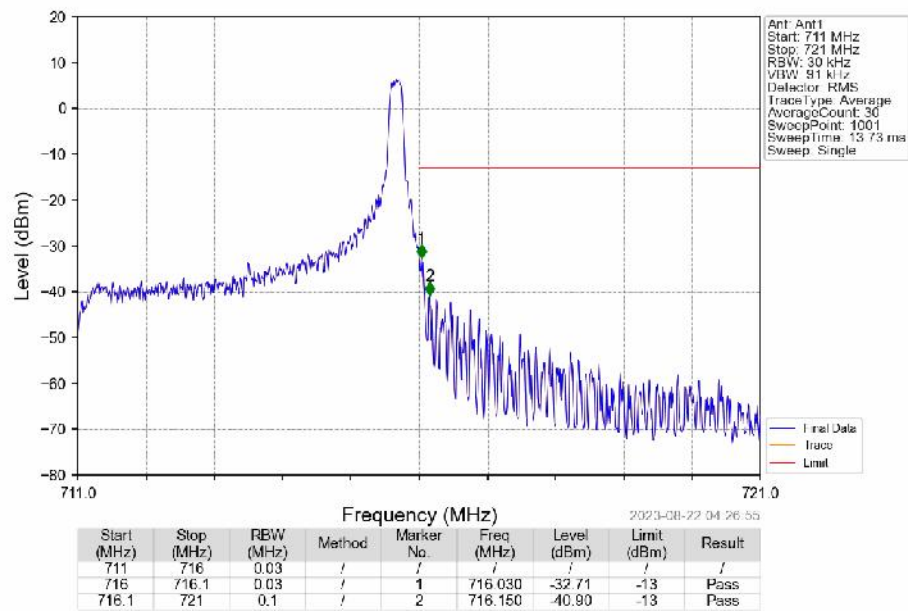
Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_1\_0\_NTNV



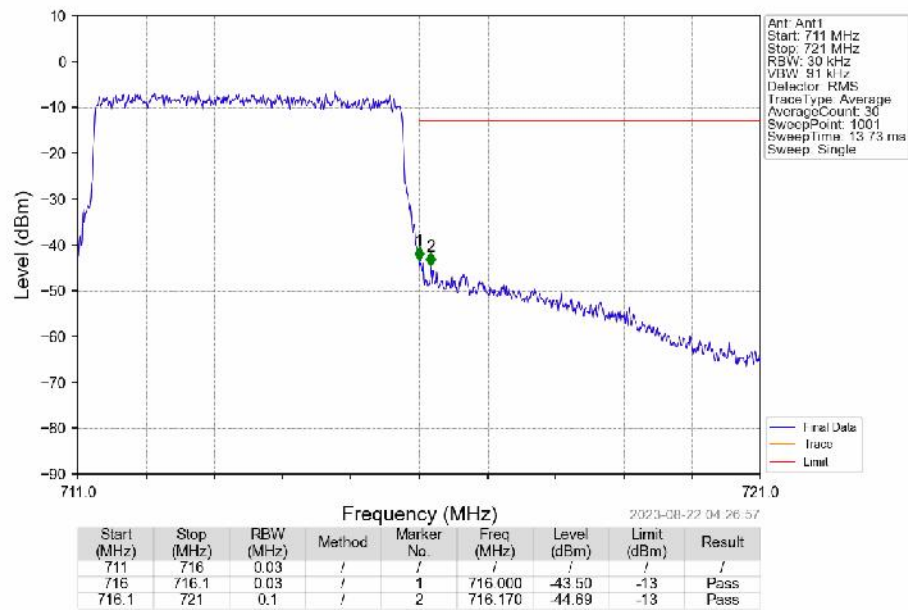
Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_1\_0\_NTNV



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



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

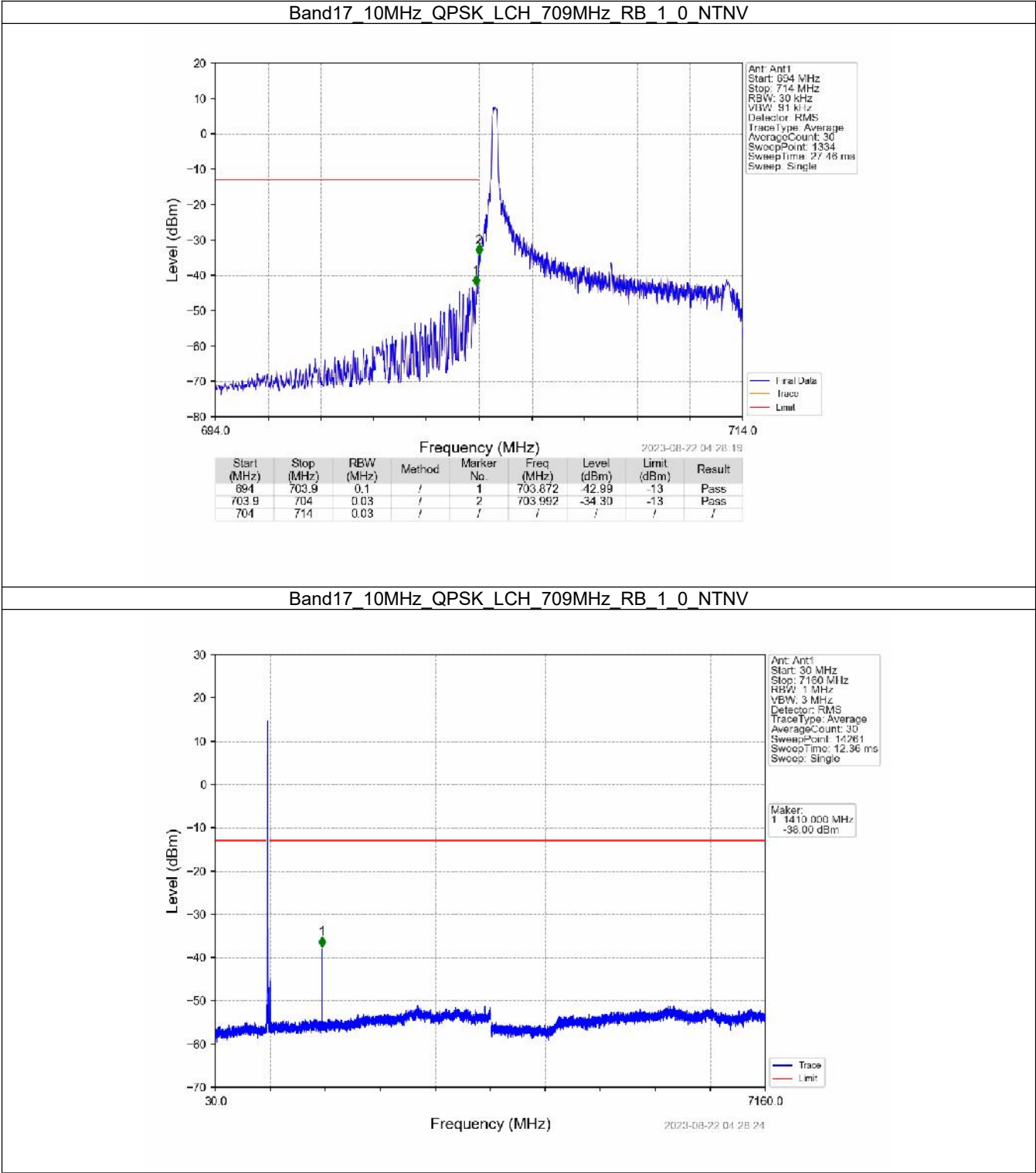


## 6.2 B17\_10MHz

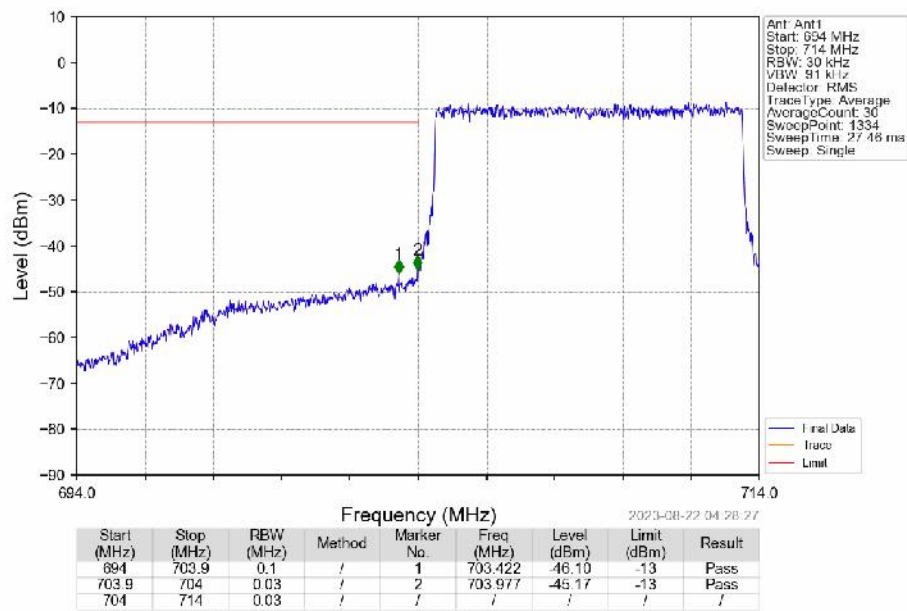
### 6.2.1 Test Result

| 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  |         |
| 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  |         |

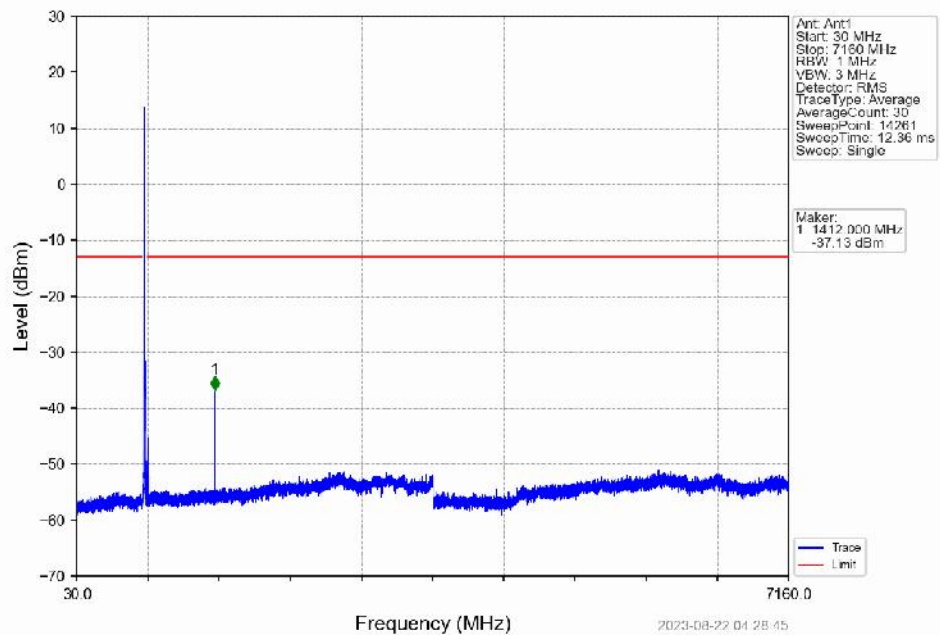
6.2.2 Test Graph



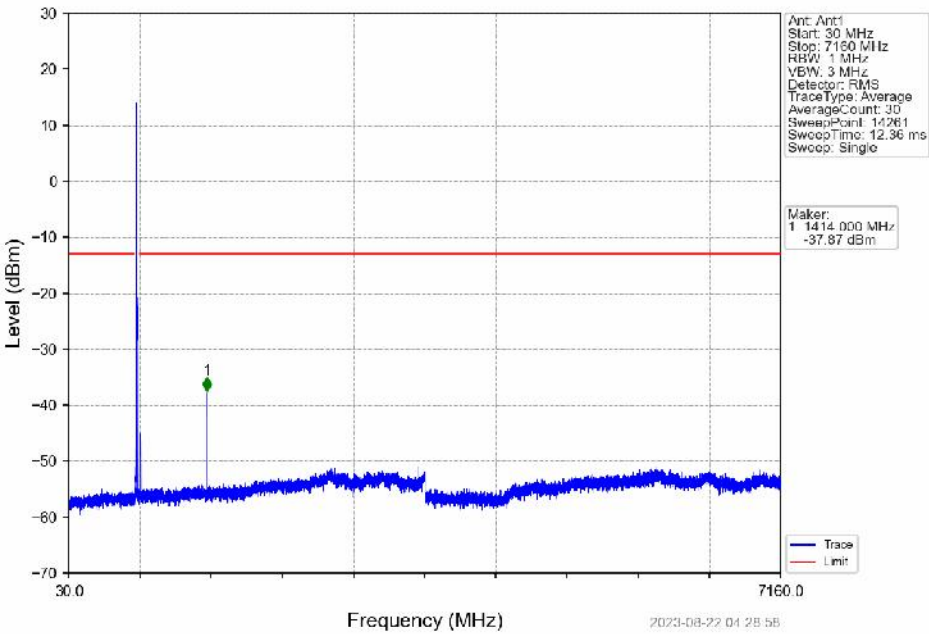
Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_50\_0\_NTNV



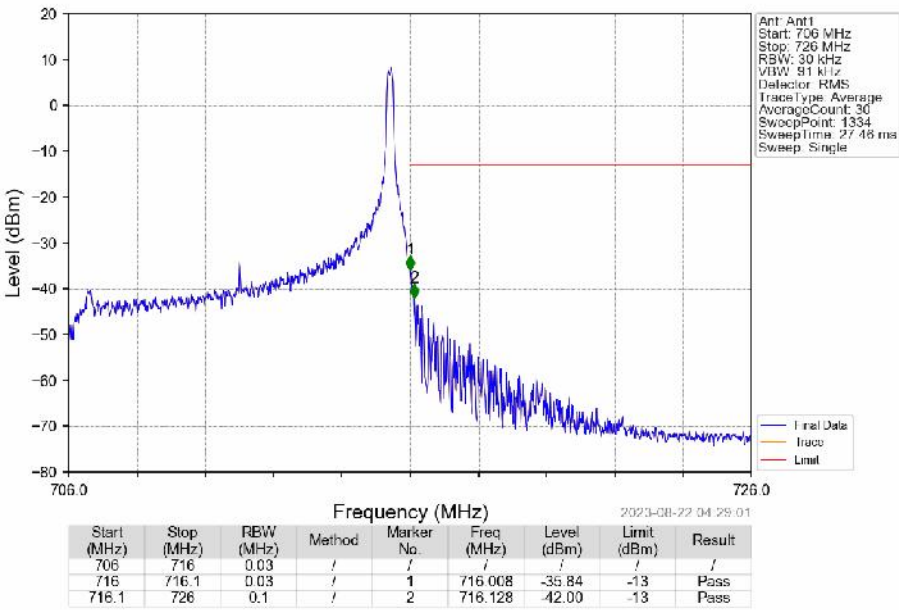
Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_1\_0\_NTNV



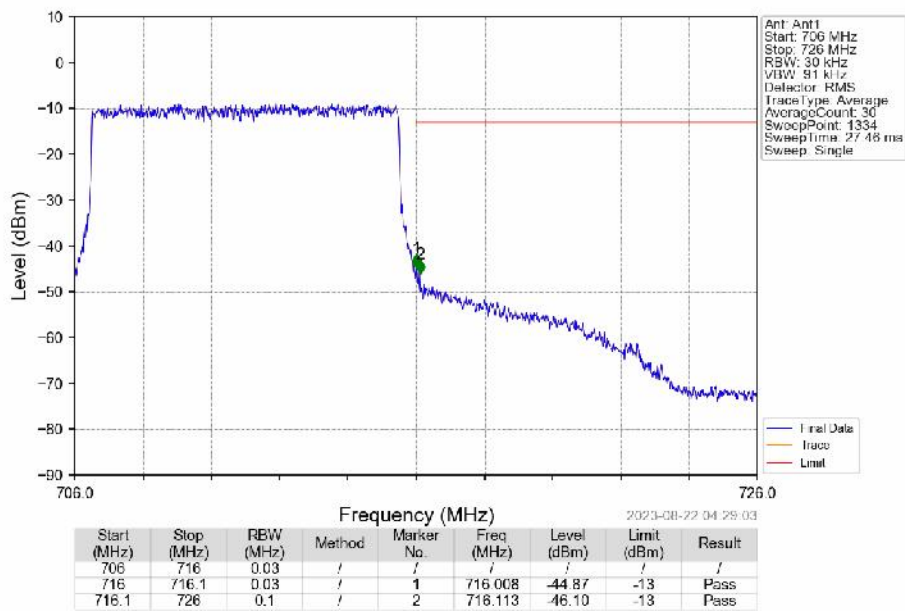
Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_1\_0\_NTNV



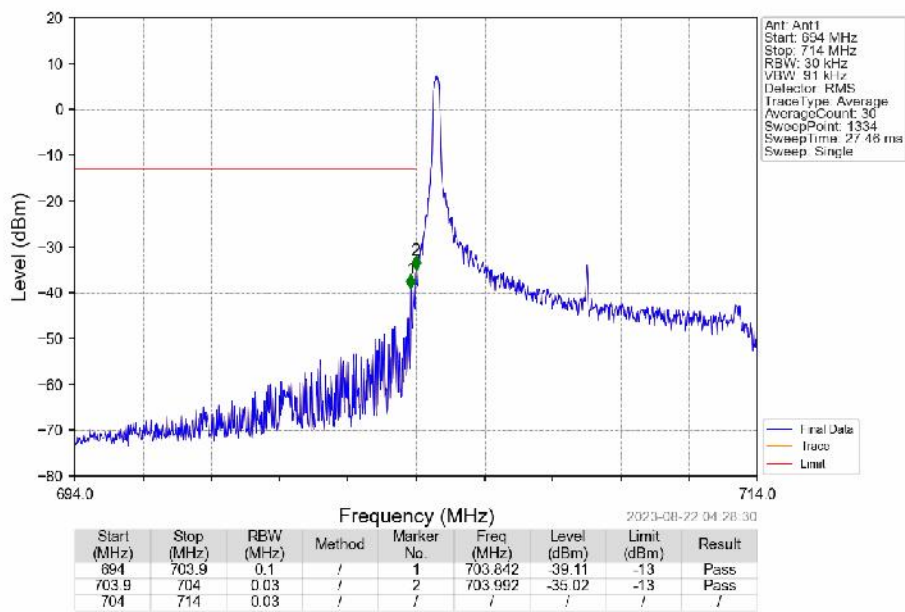
Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_1\_49\_NTNV



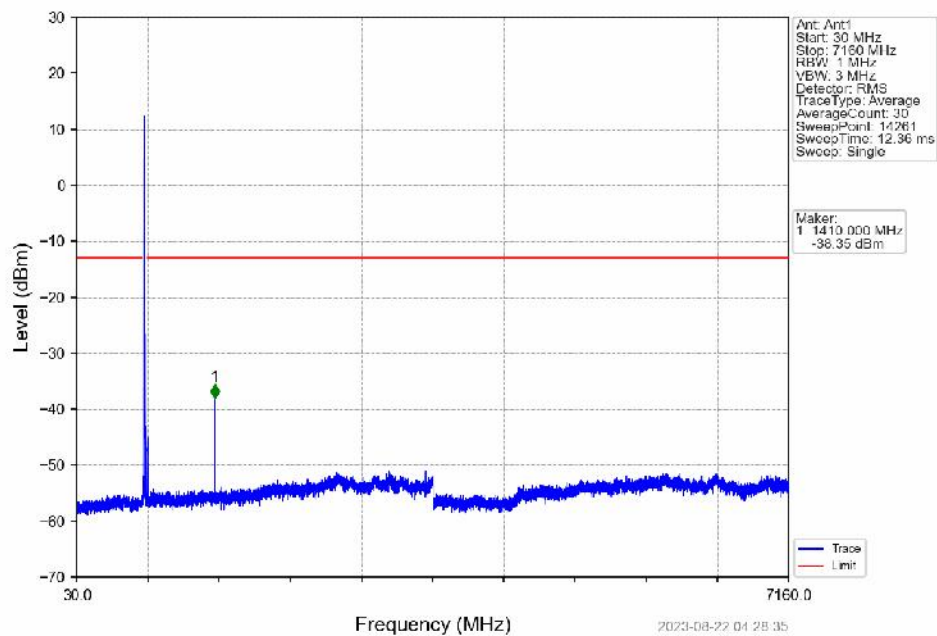
Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



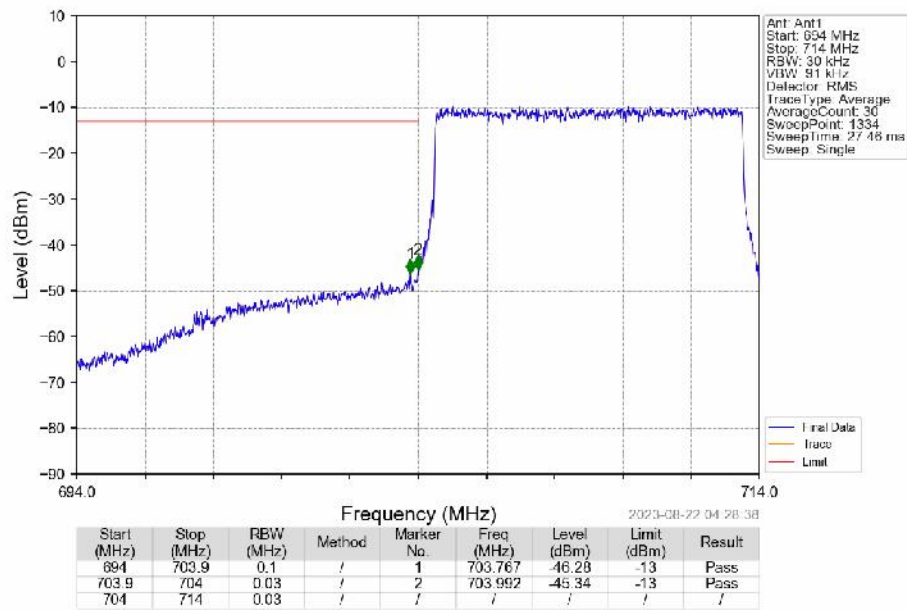
Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_1\_0\_NTNV



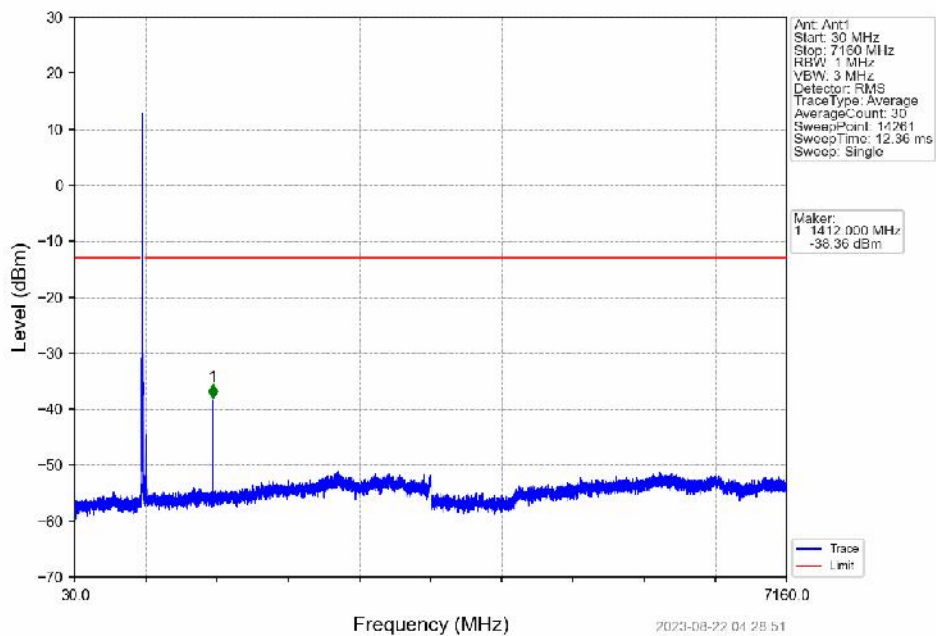
Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_1\_0\_NTNV



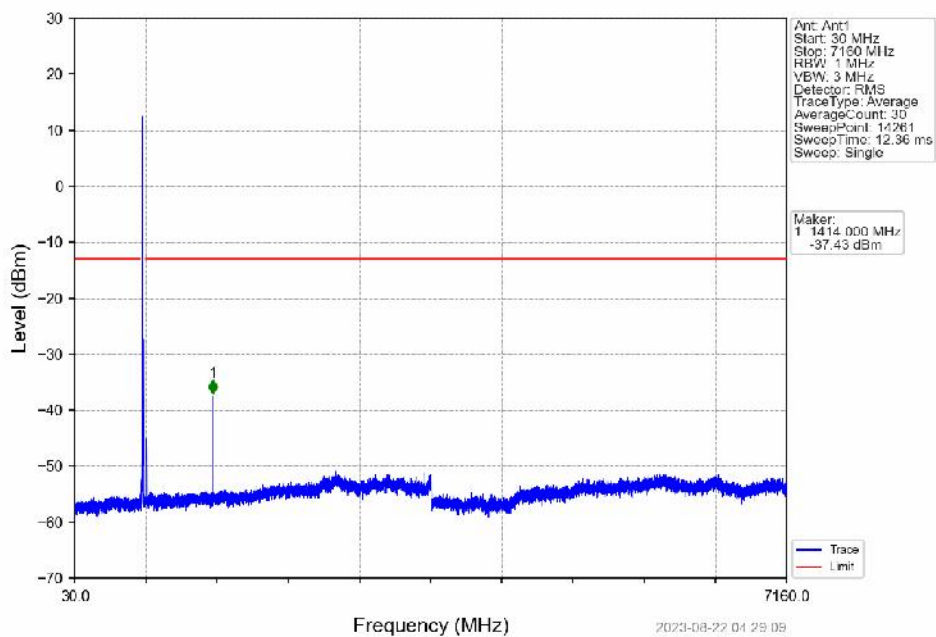
Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV



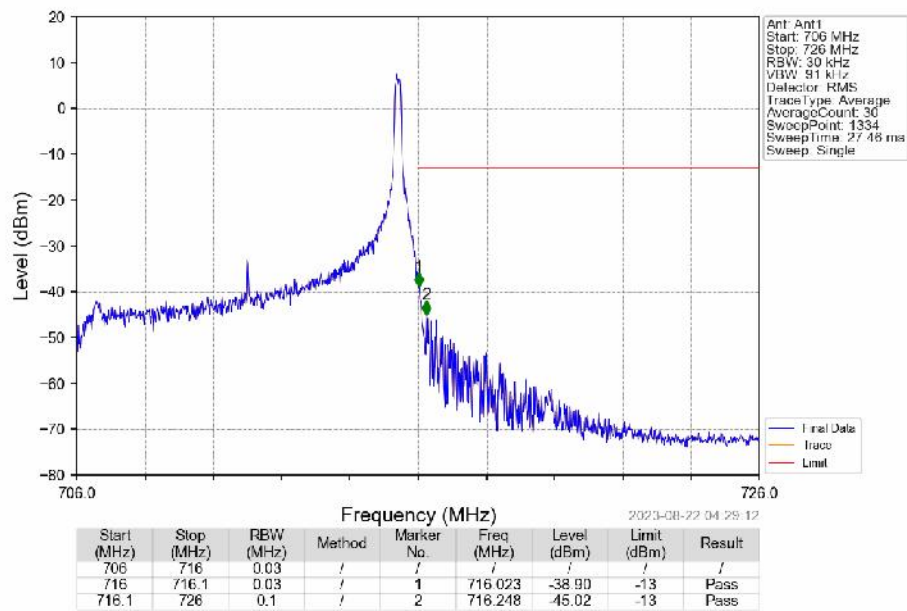
Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_1\_0\_NTNV



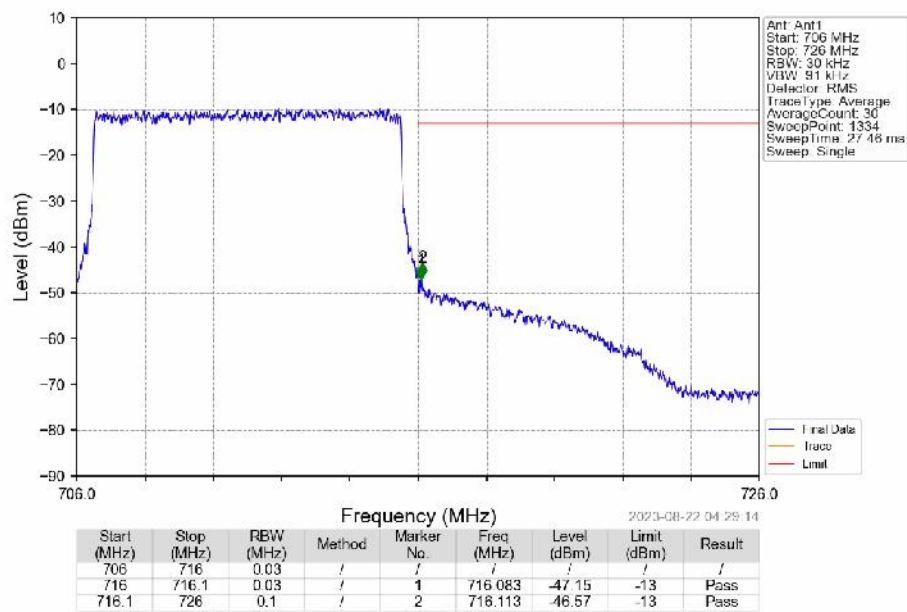
Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_1\_0\_NTNV



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



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



## 7. Form731

### 7.1 Form731\_Power

#### 7.1.1 Test Result

| 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     | 0.0989        | 0.0204 | ppm    | 4M60G7D             | 27H        | 19.95           |
| 17   | 5  | 706.5      | 713.5     | 0.0778        | 0.0310 | ppm    | 4M62W7D             | 27H        | 18.91           |
| 17   | 10 | 709        | 711       | 0.0977        | 0.0448 | ppm    | 9M07G7D             | 27H        | 19.90           |
| 17   | 10 | 709        | 711       | 0.0783        | 0.0607 | ppm    | 9M07W7D             | 27H        | 18.94           |

### 7.2 Form731\_ERP

#### 7.2.1 Test Result

| 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     | 0.0603        | 0.0204 | ppm    | 4M60G7D             | 27H        | 17.80           |
| 17   | 5  | 706.5      | 713.5     | 0.0474        | 0.0310 | ppm    | 4M62W7D             | 27H        | 16.76           |
| 17   | 10 | 709        | 711       | 0.0596        | 0.0448 | ppm    | 9M07G7D             | 27H        | 17.75           |
| 17   | 10 | 709        | 711       | 0.0478        | 0.0607 | ppm    | 9M07W7D             | 27H        | 16.79           |