# Appendix F

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

### 1.1 B17_5MHz_ERP

#### 1.1.1 Test Result

| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Limit | Verdict |
|---|---|---|---|---|---|---|
| | | Size | Offset | | | |
| QPSK | 706.5 | 1 | 0 | 22.69 | <=34.77 | Pass |
| | | | 13 | 22.75 | <=34.77 | Pass |
| | | | 24 | 22.61 | <=34.77 | Pass |
| | | 12 | 0 | 21.69 | <=34.77 | Pass |
| | | | 6 | 21.70 | <=34.77 | Pass |
| | | | 13 | 21.65 | <=34.77 | Pass |
| | | 25 | 0 | 21.67 | <=34.77 | Pass |
| | 710 | 1 | 0 | 22.54 | <=34.77 | Pass |
| | | | 13 | 22.65 | <=34.77 | Pass |
| | | | 24 | 22.47 | <=34.77 | Pass |
| | | 12 | 0 | 21.61 | <=34.77 | Pass |
| | | | 6 | 21.66 | <=34.77 | Pass |
| | | | 13 | 21.58 | <=34.77 | Pass |
| | | 25 | 0 | 21.64 | <=34.77 | Pass |
| | 713.5 | 1 | 0 | 22.56 | <=34.77 | Pass |
| | | | 13 | 22.63 | <=34.77 | Pass |
| | | | 24 | 22.15 | <=34.77 | Pass |
| | | 12 | 0 | 21.58 | <=34.77 | Pass |
| | | | 6 | 21.62 | <=34.77 | Pass |
| | | | 13 | 21.55 | <=34.77 | Pass |
| | | 25 | 0 | 21.59 | <=34.77 | Pass |
| 16QAM | 706.5 | 1 | 0 | 22.03 | <=34.77 | Pass |
| | | | 13 | 22.14 | <=34.77 | Pass |
| | | | 24 | 22.01 | <=34.77 | Pass |
| | | 12 | 0 | 20.72 | <=34.77 | Pass |
| | | | 6 | 20.71 | <=34.77 | Pass |
| | | | 13 | 20.66 | <=34.77 | Pass |
| | | 25 | 0 | 20.63 | <=34.77 | Pass |
| | 710 | 1 | 0 | 21.78 | <=34.77 | Pass |
| | | | 13 | 21.87 | <=34.77 | Pass |
| | | | 24 | 21.62 | <=34.77 | Pass |
| | | 12 | 0 | 20.64 | <=34.77 | Pass |
| | | | 6 | 20.70 | <=34.77 | Pass |
| | | | 13 | 20.60 | <=34.77 | Pass |
| | | 25 | 0 | 20.65 | <=34.77 | Pass |
| | 713.5 | 1 | 0 | 21.24 | <=34.77 | Pass |
| | | | 13 | 21.32 | <=34.77 | Pass |
| | | | 24 | 21.21 | <=34.77 | Pass |
| | | 12 | 0 | 20.02 | <=34.77 | Pass |
| | | | 6 | 20.49 | <=34.77 | Pass |
| | | | 13 | 20.45 | <=34.77 | Pass |
| | | 25 | 0 | 20.48 | <=34.77 | Pass |

### 1.2 B17_10MHz_ERP

### 1.2.1 Test Result

| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Limit | Verdict |
|---|---|---|---|---|---|---|
| | | Size | Offset | | | |
| QPSK | 709 | 1 | 0 | 22.69 | <=34.77 | Pass |
| | | | 25 | 22.77 | <=34.77 | Pass |
| | | | 49 | 22.58 | <=34.77 | Pass |
| | | 25 | 0 | 21.70 | <=34.77 | Pass |
| | | | 13 | 21.65 | <=34.77 | Pass |
| | | | 25 | 21.60 | <=34.77 | Pass |
| | | 50 | 0 | 21.58 | <=34.77 | Pass |
| | 710 | 1 | 0 | 22.55 | <=34.77 | Pass |
| | | | 25 | 22.27 | <=34.77 | Pass |
| | | | 49 | 22.07 | <=34.77 | Pass |
| | | 25 | 0 | 21.18 | <=34.77 | Pass |
| | | | 13 | 21.14 | <=34.77 | Pass |
| | | | 25 | 21.15 | <=34.77 | Pass |
| | | 50 | 0 | 21.20 | <=34.77 | Pass |
| | 711 | 1 | 0 | 22.21 | <=34.77 | Pass |
| | | | 25 | 22.33 | <=34.77 | Pass |
| | | | 49 | 22.07 | <=34.77 | Pass |
| | | 25 | 0 | 21.16 | <=34.77 | Pass |
| | | | 13 | 21.12 | <=34.77 | Pass |
| | | | 25 | 21.10 | <=34.77 | Pass |
| | | 50 | 0 | 21.13 | <=34.77 | Pass |
| 16QAM | 709 | 1 | 0 | 21.26 | <=34.77 | Pass |
| | | | 25 | 21.33 | <=34.77 | Pass |
| | | | 49 | 21.07 | <=34.77 | Pass |
| | | 25 | 0 | 20.37 | <=34.77 | Pass |
| | | | 13 | 20.59 | <=34.77 | Pass |
| | | | 25 | 20.58 | <=34.77 | Pass |
| | | 50 | 0 | 20.45 | <=34.77 | Pass |
| | 710 | 1 | 0 | 21.26 | <=34.77 | Pass |
| | | | 25 | 21.34 | <=34.77 | Pass |
| | | | 49 | 21.16 | <=34.77 | Pass |
| | | 25 | 0 | 20.05 | <=34.77 | Pass |
| | | | 13 | 20.03 | <=34.77 | Pass |
| | | | 25 | 20.02 | <=34.77 | Pass |
| | | 50 | 0 | 20.18 | <=34.77 | Pass |
| | 711 | 1 | 0 | 21.26 | <=34.77 | Pass |
| | | | 25 | 21.37 | <=34.77 | Pass |
| | | | 49 | 21.23 | <=34.77 | Pass |
| | | 25 | 0 | 20.13 | <=34.77 | Pass |
| | | | 13 | 20.08 | <=34.77 | Pass |
| | | | 25 | 20.06 | <=34.77 | Pass |
| | | 50 | 0 | 20.06 | <=34.77 | Pass |

## 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 | -3.691 | -0.0052 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -5.164 | -0.0073 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -2.947 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -4.849 | -0.0069 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -5.751 | -0.0081 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -6.194 | -0.0088 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -5.665 | -0.0080 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -7.253 | -0.0103 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -4.363 | -0.0062 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.410 | -0.0105 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -5.693 | -0.0081 | -2.5 to 2.5 | Pass |
| | 710 | 25 | 0 | 20 | 3.27 | -5.651 | -0.0080 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -6.795 | -0.0096 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -4.992 | -0.0070 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -3.877 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.008 | -0.0085 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -6.738 | -0.0095 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -4.334 | -0.0061 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -4.106 | -0.0058 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -3.490 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.980 | -0.0084 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -8.140 | -0.0115 | -2.5 to 2.5 | Pass |
| | 713.5 | 25 | 0 | 20 | 3.27 | -9.685 | -0.0136 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.024 | -0.0098 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -6.051 | -0.0085 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -4.835 | -0.0068 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.495 | -0.0091 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -11.315 | -0.0159 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -8.726 | -0.0122 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -7.453 | -0.0104 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -4.849 | -0.0068 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.908 | -0.0083 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -10.715 | -0.0150 | -2.5 to 2.5 | Pass |
| 16QAM | 706.5 | 25 | 0 | 20 | 3.27 | -9.341 | -0.0132 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -2.289 | -0.0032 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.247 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -8.383 | -0.0119 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -7.896 | -0.0112 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -4.835 | -0.0068 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -3.905 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -4.649 | -0.0066 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -9.227 | -0.0131 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -6.981 | -0.0099 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -3.119 | -0.0044 | -2.5 to 2.5 | Pass |
| | 710 | 25 | 0 | 20 | 3.27 | -7.067 | -0.0100 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.195 | -0.0101 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -6.695 | -0.0094 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -6.995 | -0.0099 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.251 | -0.0088 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -9.327 | -0.0131 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -6.895 | -0.0097 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -9.112 | -0.0128 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -10.414 | -0.0147 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -6.595 | -0.0093 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -7.482 | -0.0105 | -2.5 to 2.5 | Pass |
| | 713.5 | 25 | 0 | 20 | 3.27 | -7.339 | -0.0103 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -5.937 | -0.0083 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -6.752 | -0.0095 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -5.450 | -0.0076 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -20 | 3.85 | -7.739 | -0.0108 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -4.063 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -5.550 | -0.0078 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -8.640 | -0.0121 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -6.065 | -0.0085 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.665 | -0.0079 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -11.845 | -0.0166 | -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 | -8.240 | -0.0116 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -5.264 | -0.0074 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.934 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -6.652 | -0.0094 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -8.483 | -0.0120 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.908 | -0.0083 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -7.310 | -0.0103 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -6.380 | -0.0090 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -3.076 | -0.0043 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -4.077 | -0.0058 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -3.190 | -0.0045 | -2.5 to 2.5 | Pass |
| | 710 | 50 | 0 | 20 | 3.27 | -6.924 | -0.0098 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.110 | -0.0100 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -5.865 | -0.0083 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -8.383 | -0.0118 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -5.651 | -0.0080 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -2.575 | -0.0036 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -6.609 | -0.0093 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -5.450 | -0.0077 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -5.851 | -0.0082 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -4.148 | -0.0058 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -4.592 | -0.0065 | -2.5 to 2.5 | Pass |
| | 711 | 50 | 0 | 20 | 3.27 | -5.493 | -0.0077 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -4.735 | -0.0067 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -6.595 | -0.0093 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -4.206 | -0.0059 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -8.426 | -0.0119 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -6.680 | -0.0094 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -5.465 | -0.0077 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -6.866 | -0.0097 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -11.787 | -0.0166 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.751 | -0.0081 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -5.364 | -0.0075 | -2.5 to 2.5 | Pass |
| 16QAM | 709 | 50 | 0 | 20 | 3.27 | -6.280 | -0.0089 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -4.492 | -0.0063 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -5.078 | -0.0072 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -10.915 | -0.0154 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -7.825 | -0.0110 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -6.166 | -0.0087 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -7.238 | -0.0102 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -7.882 | -0.0111 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -11.959 | -0.0169 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 40 | 3.85 | -5.364 | -0.0076 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -4.292 | -0.0061 | -2.5 to 2.5 | Pass |
| | 710 | 50 | 0 | 20 | 3.27 | -4.864 | -0.0069 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.238 | -0.0102 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.476 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -4.005 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.266 | -0.0088 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -4.778 | -0.0067 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -4.120 | -0.0058 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.704 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -8.583 | -0.0121 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.181 | -0.0101 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -7.296 | -0.0103 | -2.5 to 2.5 | Pass |
| | 711 | 50 | 0 | 20 | 3.27 | -6.952 | -0.0098 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -4.463 | -0.0063 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -6.895 | -0.0097 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -6.866 | -0.0097 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -5.107 | -0.0072 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -8.740 | -0.0123 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -5.379 | -0.0076 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.918 | -0.0041 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -9.742 | -0.0137 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -9.313 | -0.0131 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -3.304 | -0.0046 | -2.5 to 2.5 | Pass |

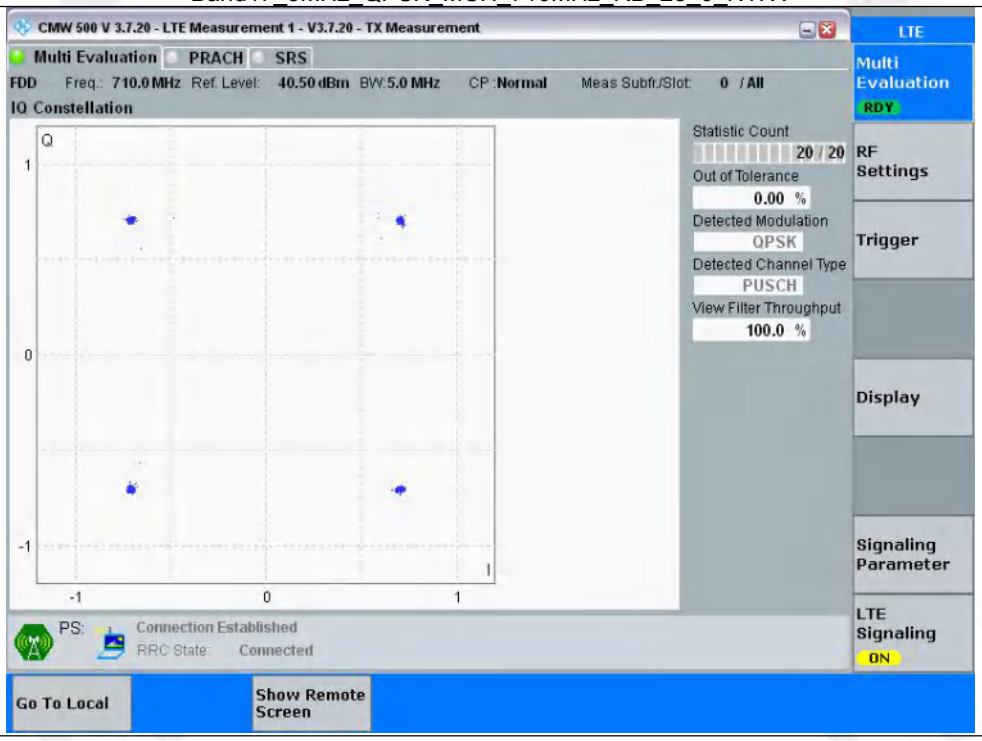
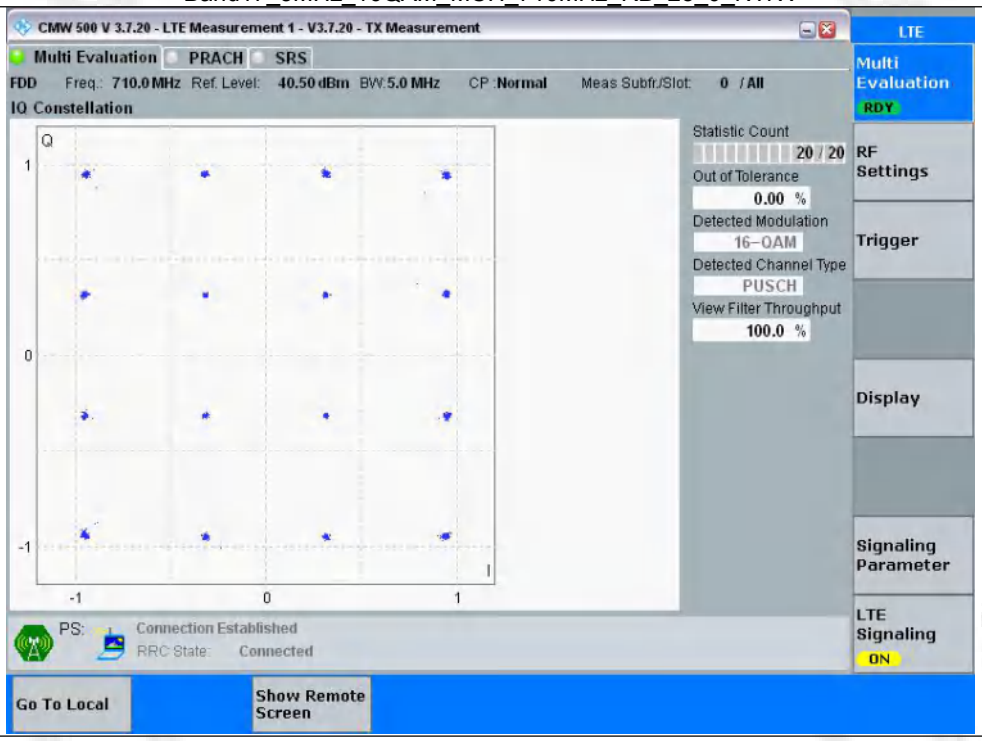
# 3. Modulation Characteristics

## 3.1 B17_5MHz

### 3.1.1 Test Result

| 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 Test Graph

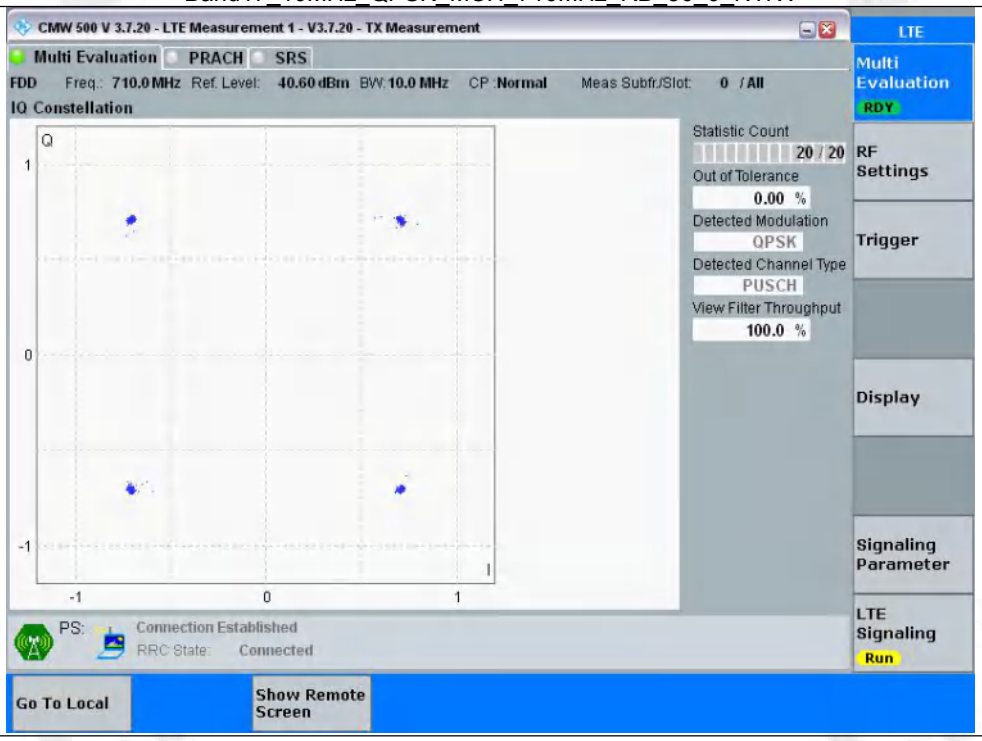
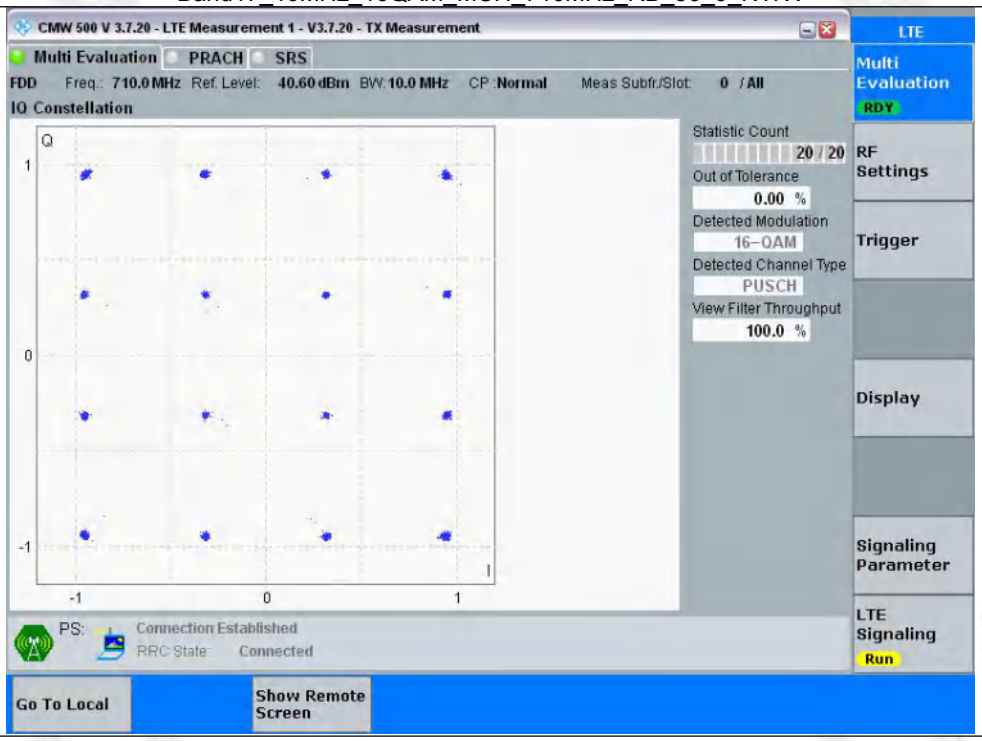
| Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV |
| --- |
|  |
| Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV |
|  |

## 3.2 B17_10MHz

### 3.2.1 Test Result

| 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 |

## 3.2.2 Test Graph

| Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV |
| --- |
|  |
| Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV |
|  |

# 4. 99% & 26dB Bandwidth

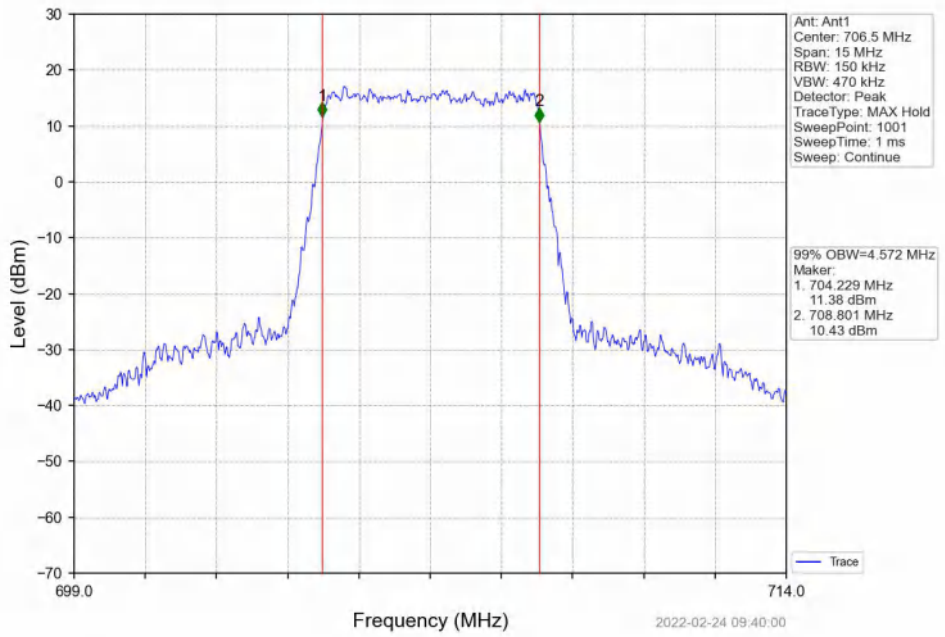
## 4.1 Band17_OBW

### 4.1.1 Test Result

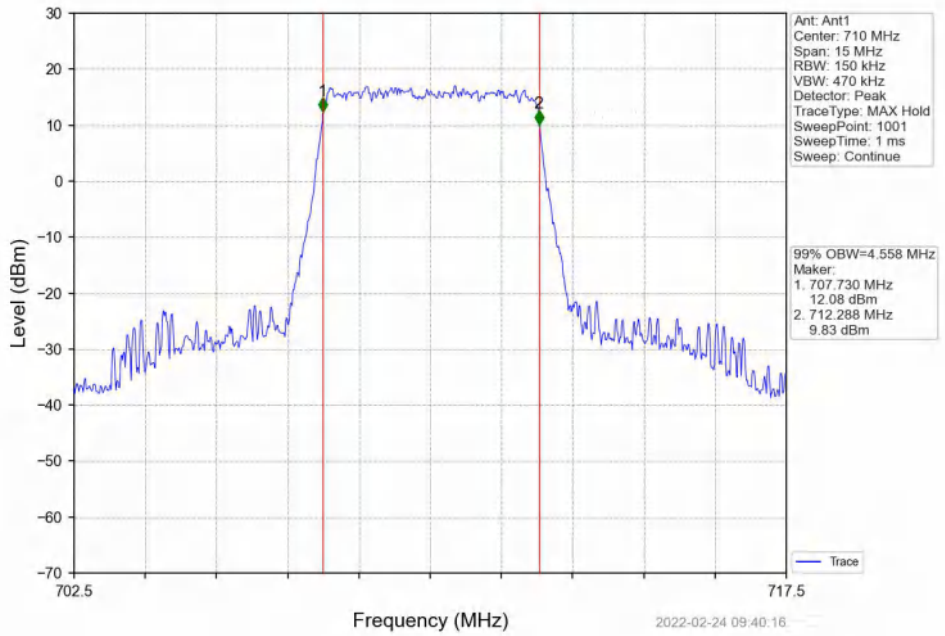
| Band: 17 / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | Verdict |
| | | | Size | Offset | Result | |
| 5 | QPSK | 706.5 | 25 | 0 | 4.572 | Pass |
| | | 710 | 25 | 0 | 4.558 | Pass |
| | | 713.5 | 25 | 0 | 4.581 | Pass |
| | 16QAM | 706.5 | 25 | 0 | 4.570 | Pass |
| | | 710 | 25 | 0 | 4.565 | Pass |
| | | 713.5 | 25 | 0 | 4.550 | Pass |
| 10 | QPSK | 709 | 50 | 0 | 9.077 | Pass |
| | | 710 | 50 | 0 | 9.053 | Pass |
| | | 711 | 50 | 0 | 9.061 | Pass |
| | 16QAM | 709 | 50 | 0 | 9.081 | Pass |
| | | 710 | 50 | 0 | 9.054 | Pass |
| | | 711 | 50 | 0 | 9.078 | Pass |

## 4.1.2 Test Graph

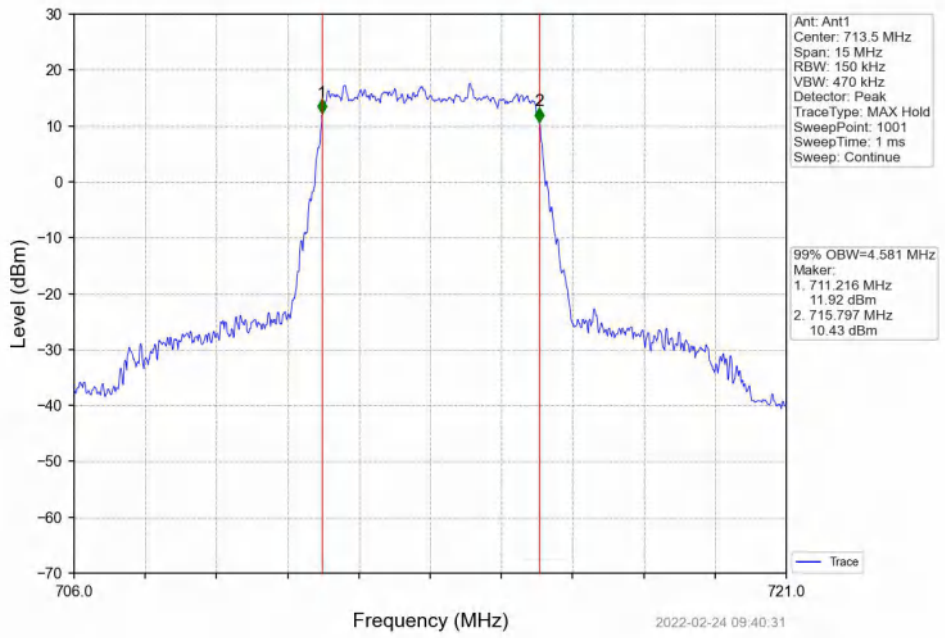
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



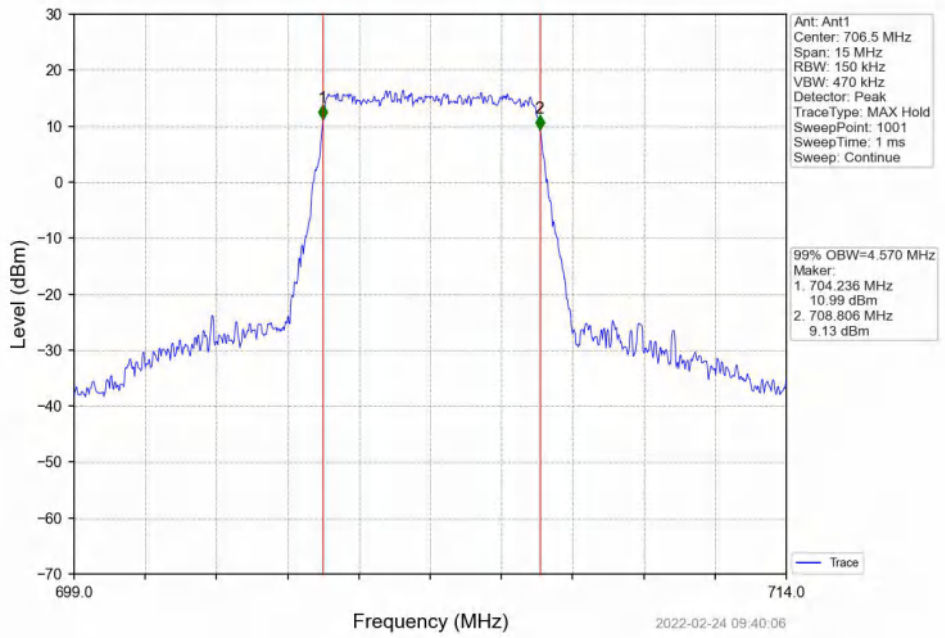

Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



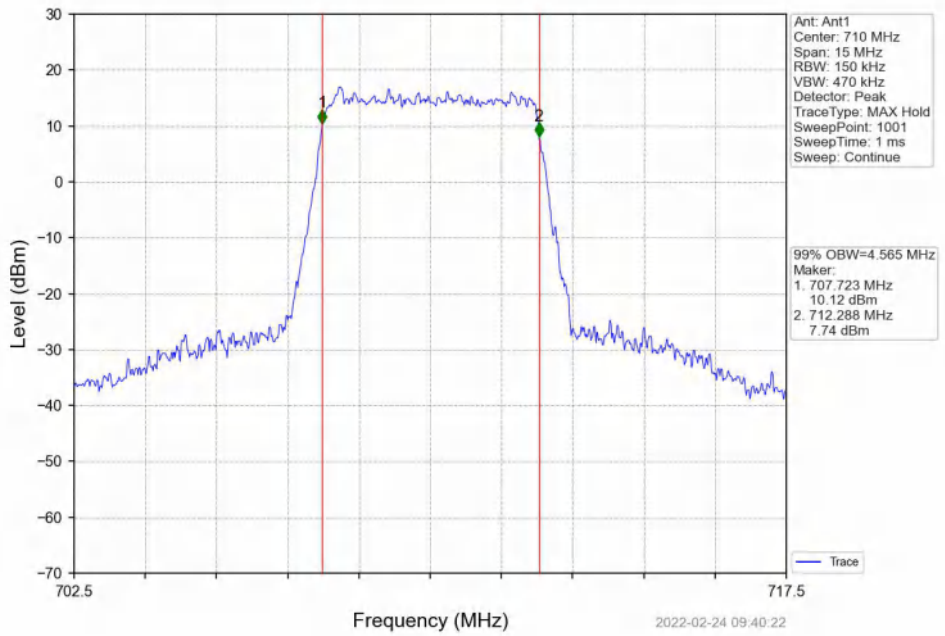
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



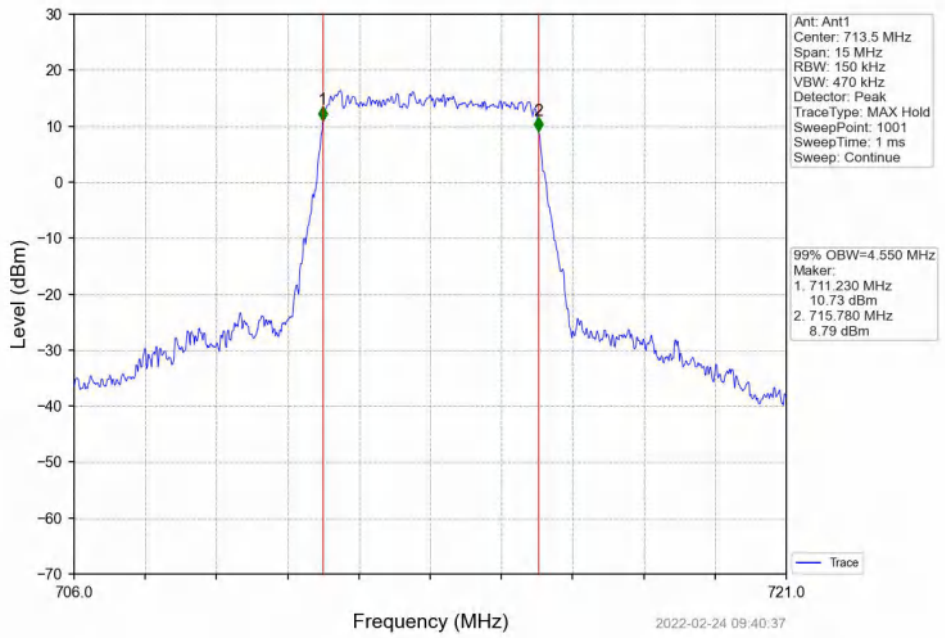

Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



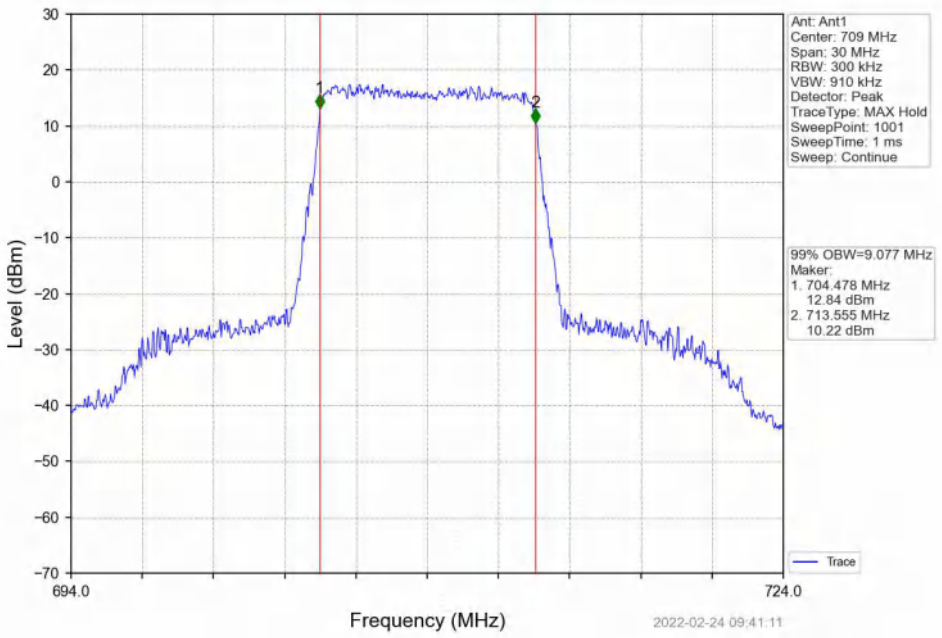
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



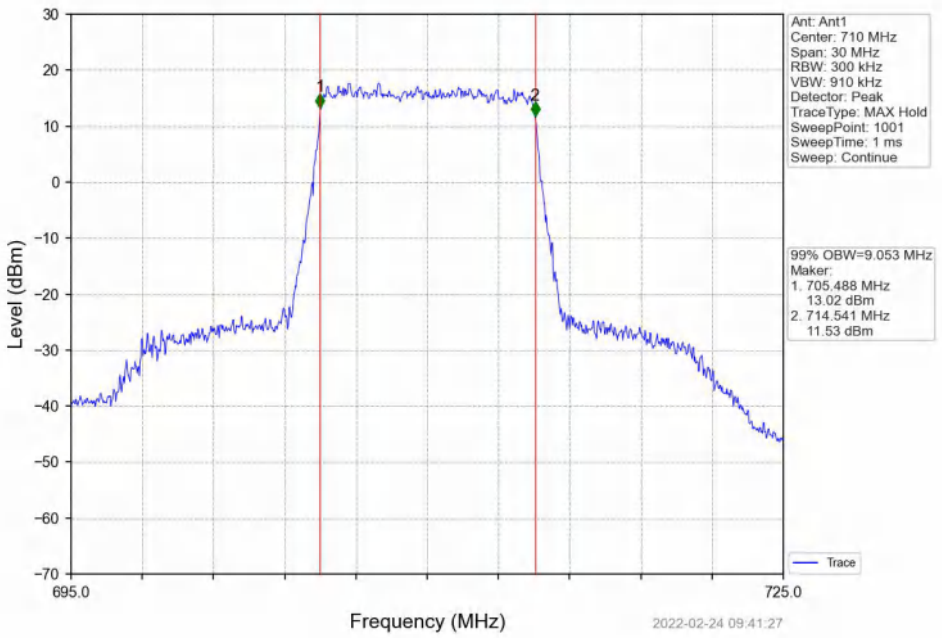

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



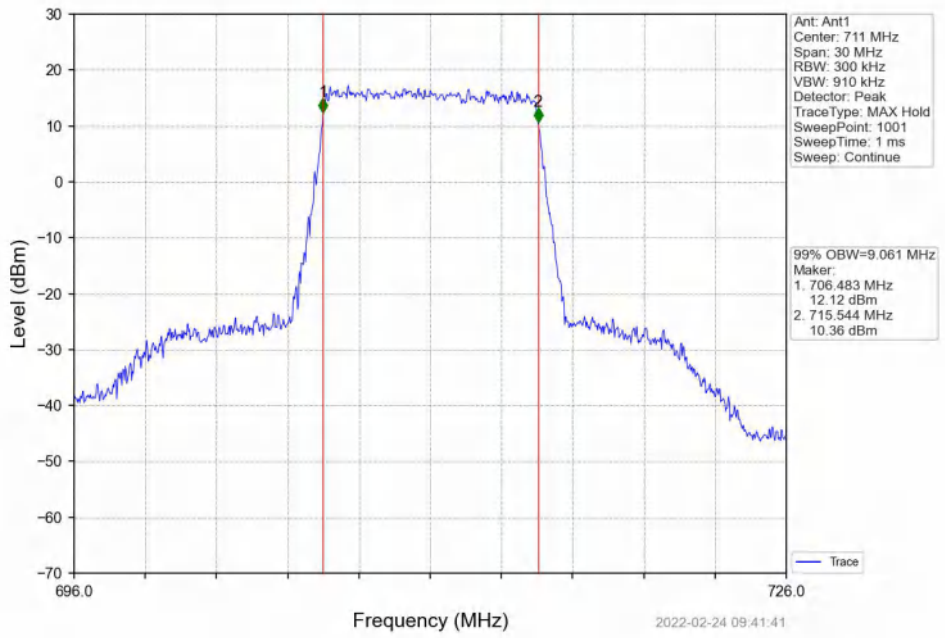
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



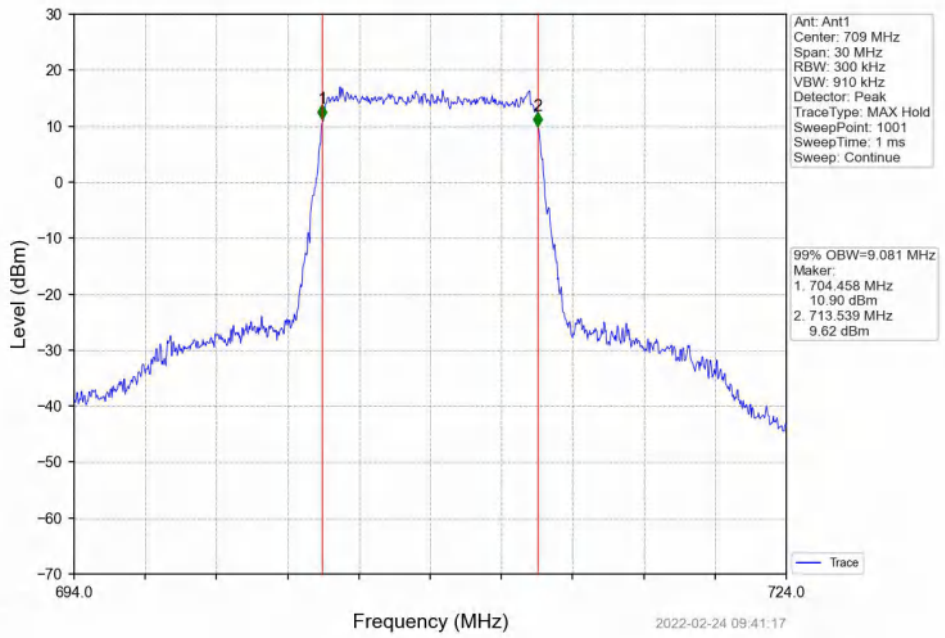

Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



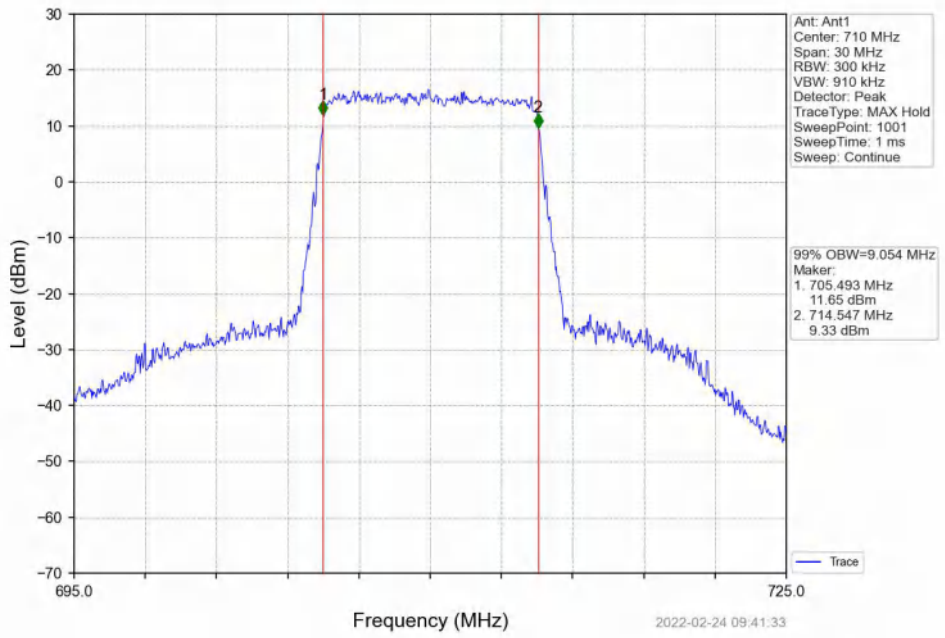
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



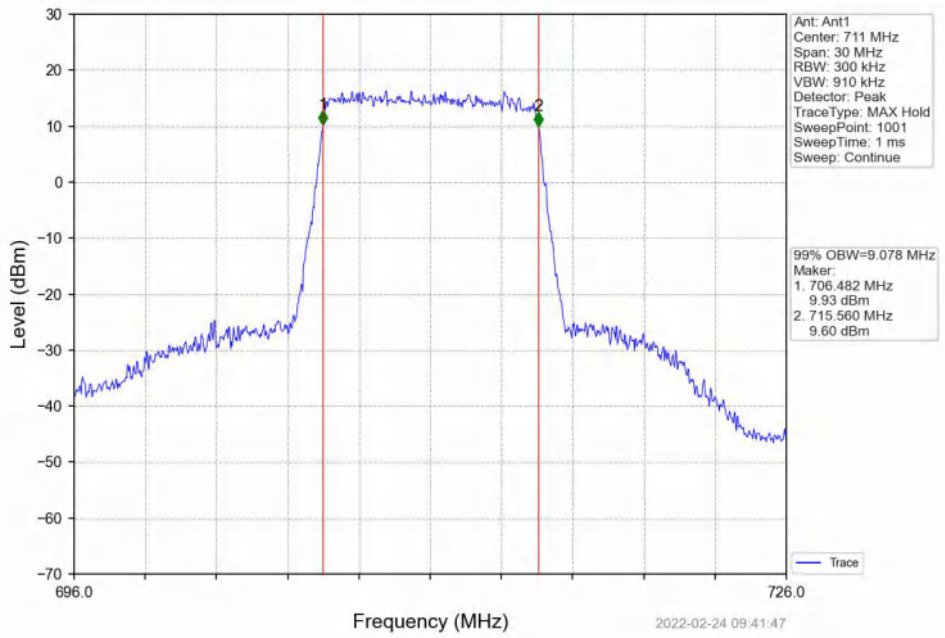

Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV




Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



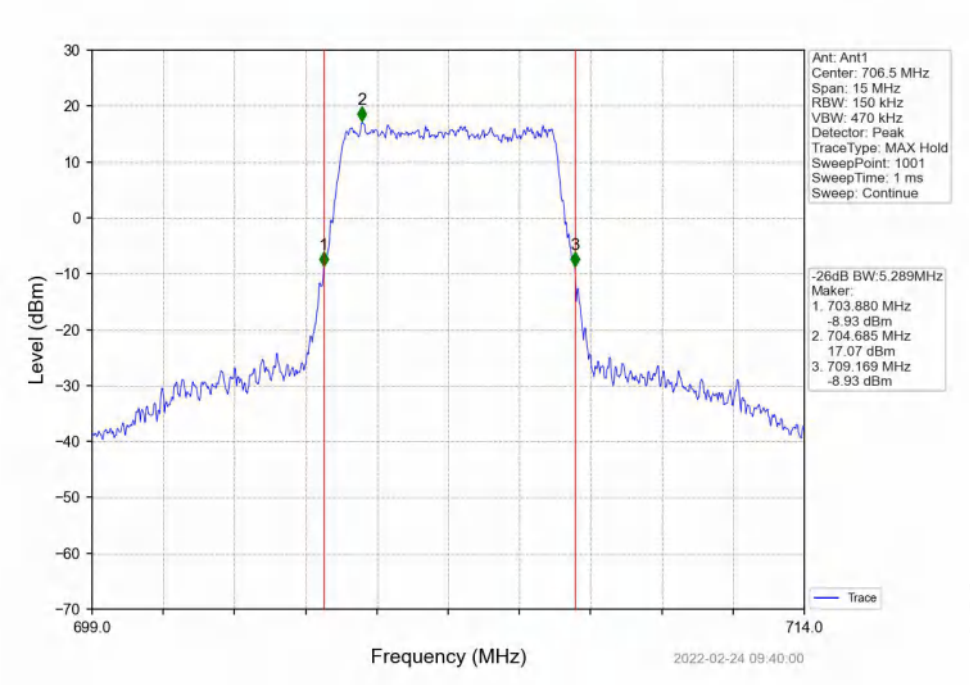
## 4.2 Band17_XDB

### 4.2.1 Test Result

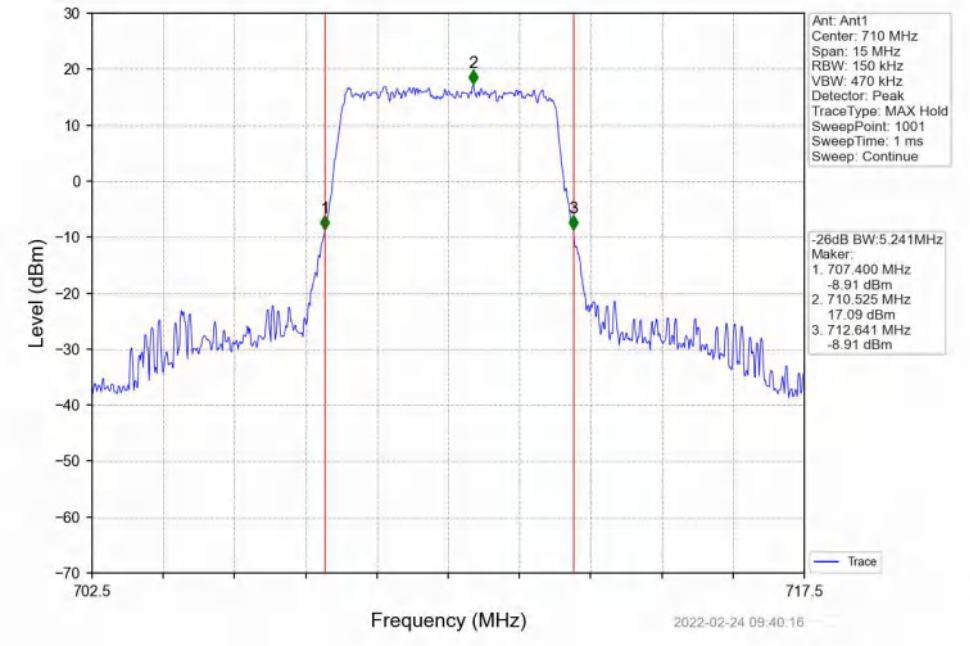
| Band: 17 / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | Verdict |
| | | | Size | Offset | Result | |
| 5 | QPSK | 706.5 | 25 | 0 | 5.289 | Pass |
| | | 710 | 25 | 0 | 5.241 | Pass |
| | | 713.5 | 25 | 0 | 5.190 | Pass |
| | 16QAM | 706.5 | 25 | 0 | 5.269 | Pass |
| | | 710 | 25 | 0 | 5.245 | Pass |
| | | 713.5 | 25 | 0 | 5.207 | Pass |
| 10 | QPSK | 709 | 50 | 0 | 10.267 | Pass |
| | | 710 | 50 | 0 | 10.174 | Pass |
| | | 711 | 50 | 0 | 10.340 | Pass |
| | 16QAM | 709 | 50 | 0 | 10.228 | Pass |
| | | 710 | 50 | 0 | 10.157 | Pass |
| | | 711 | 50 | 0 | 10.236 | Pass |

## 4.2.2 Test Graph

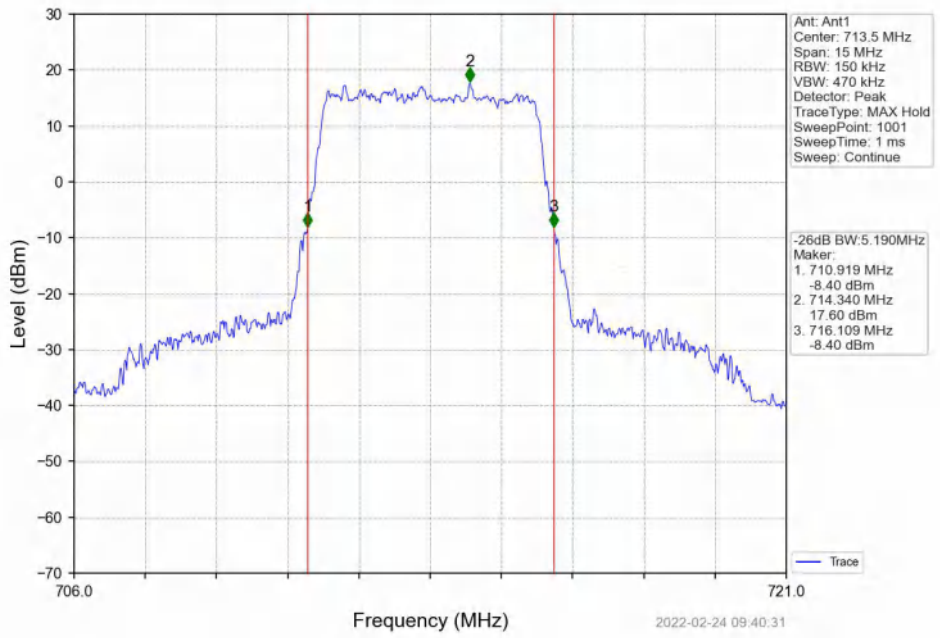
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



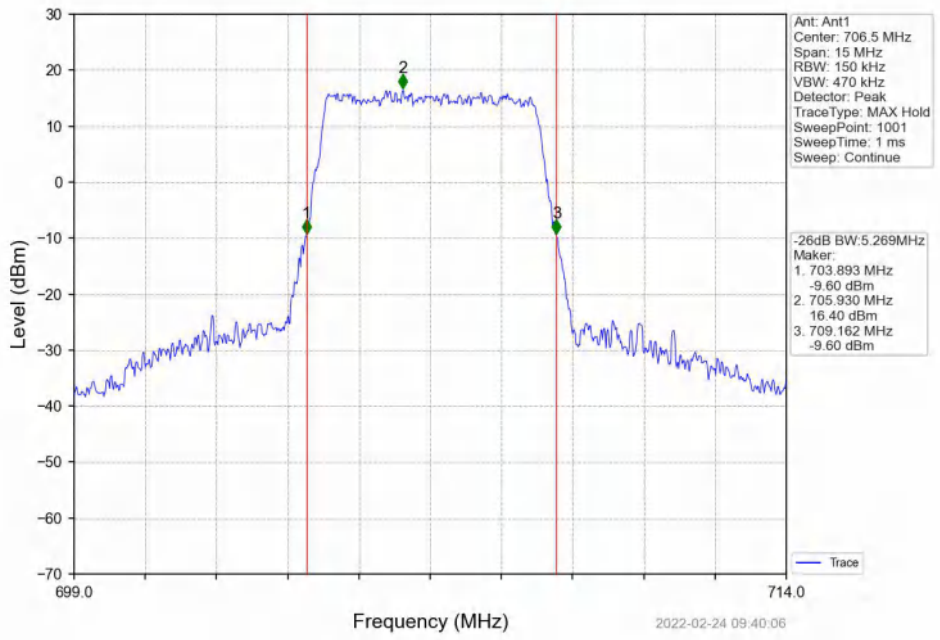

Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



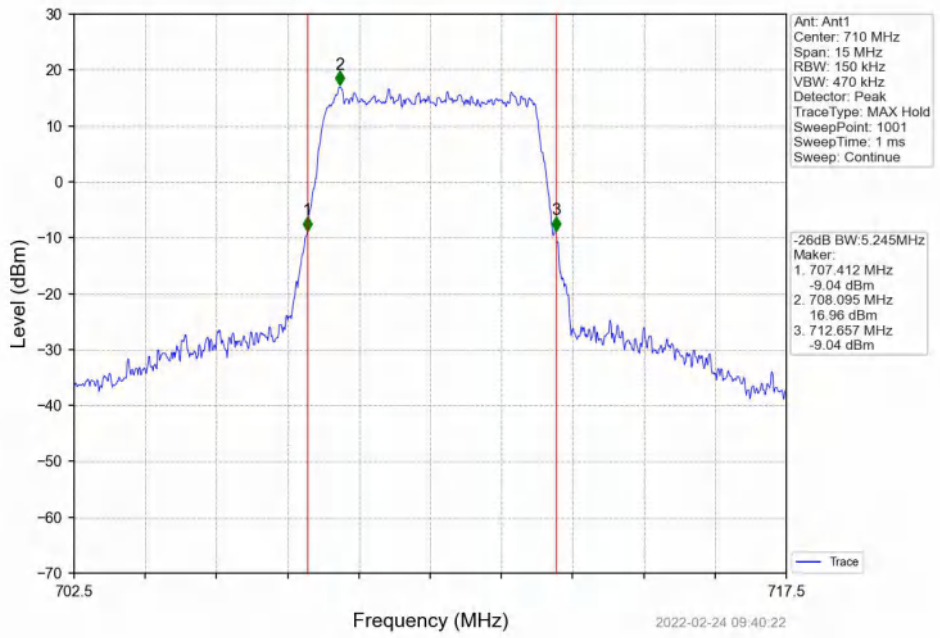
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



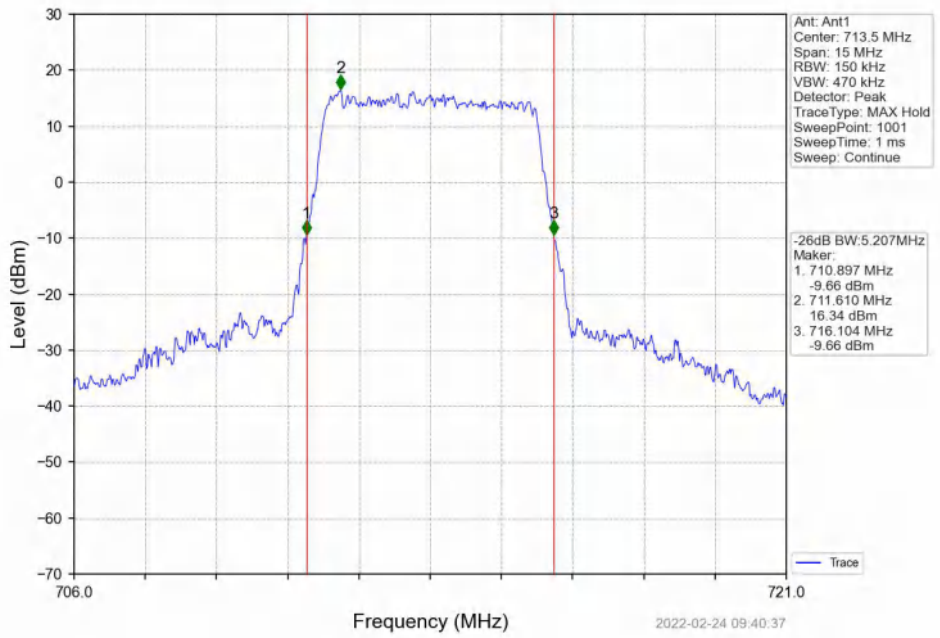

Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



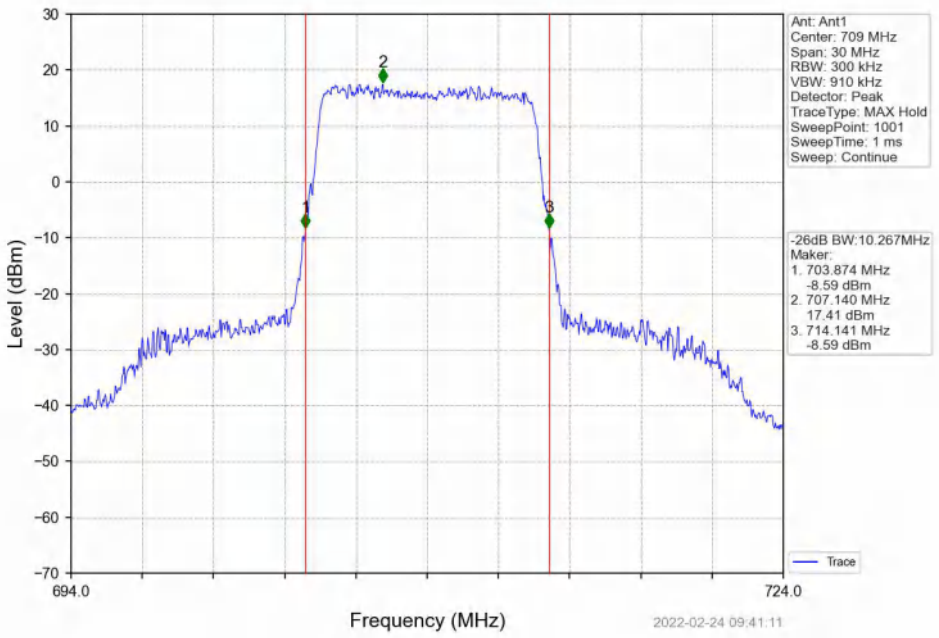
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



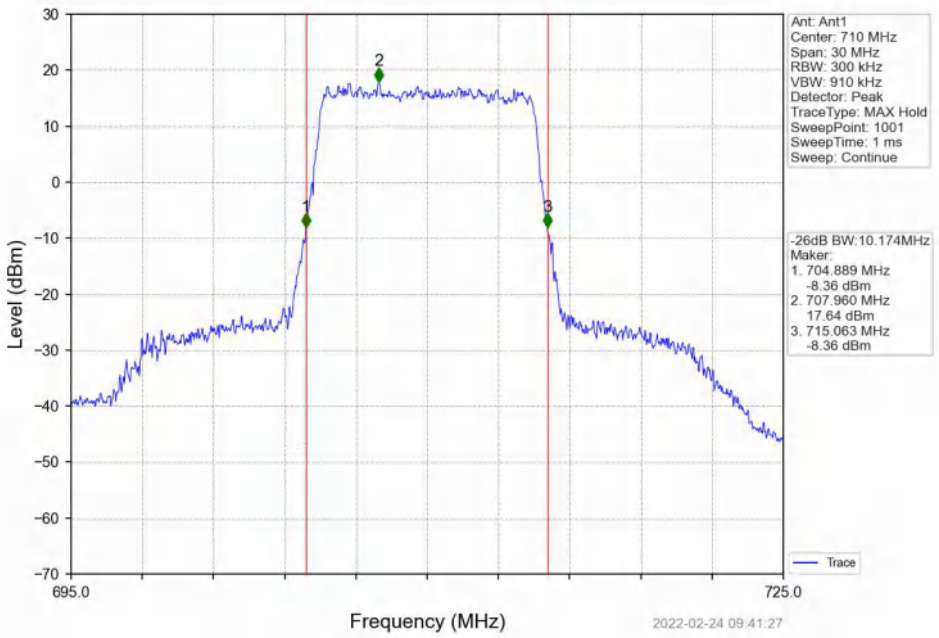

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



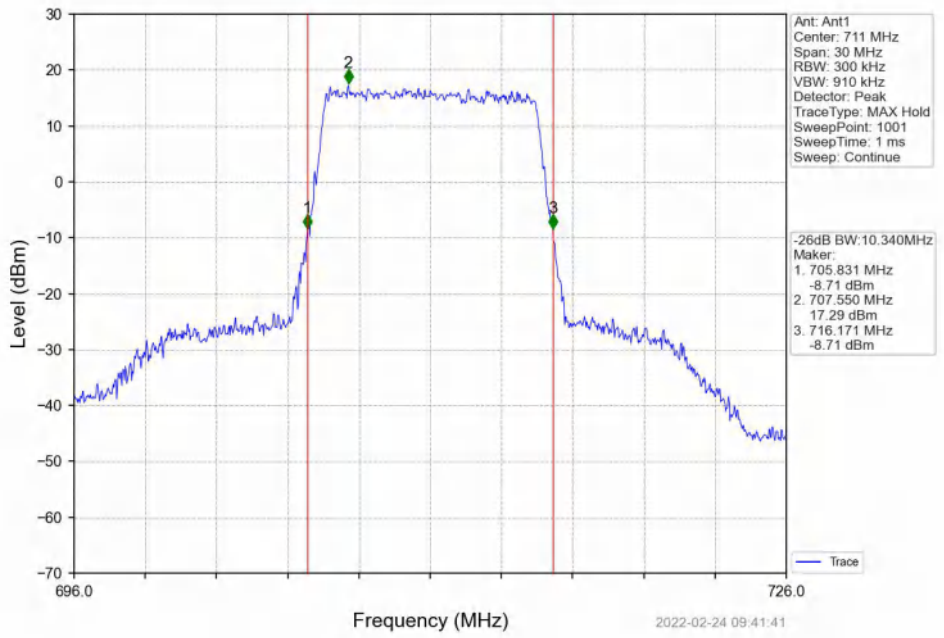
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



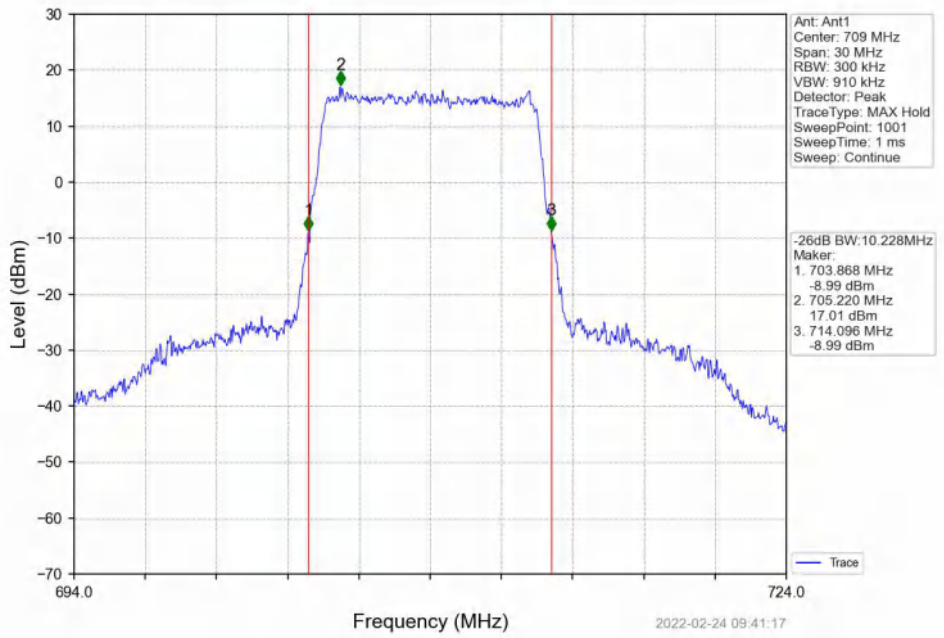

Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



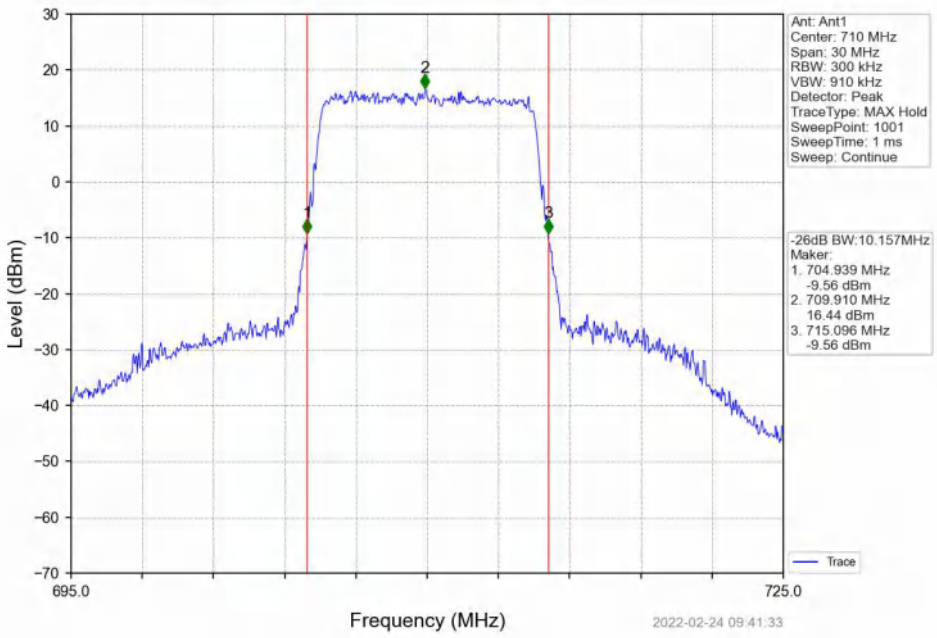
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



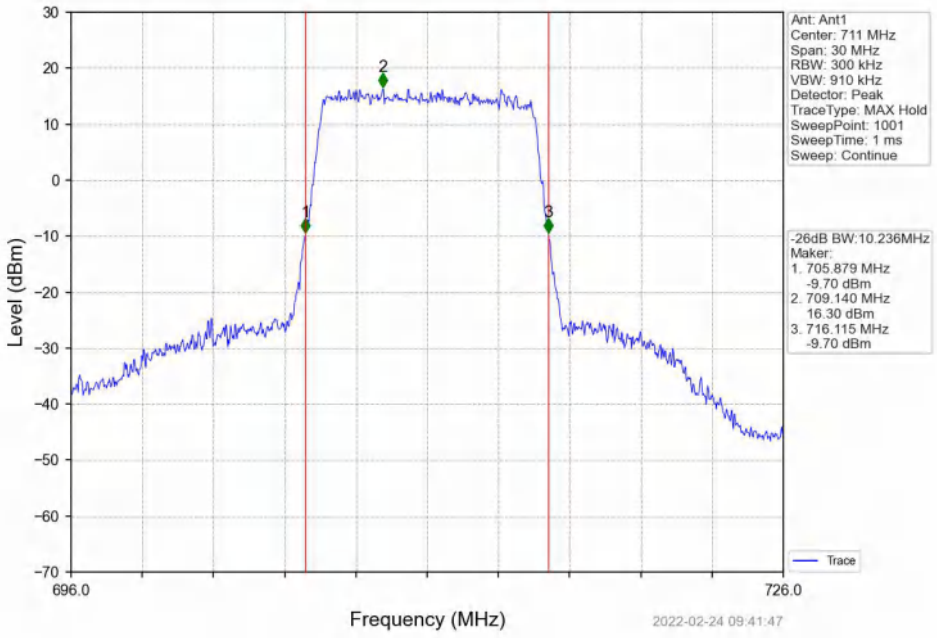

Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV




Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



# 5. Peak-Average Ratio

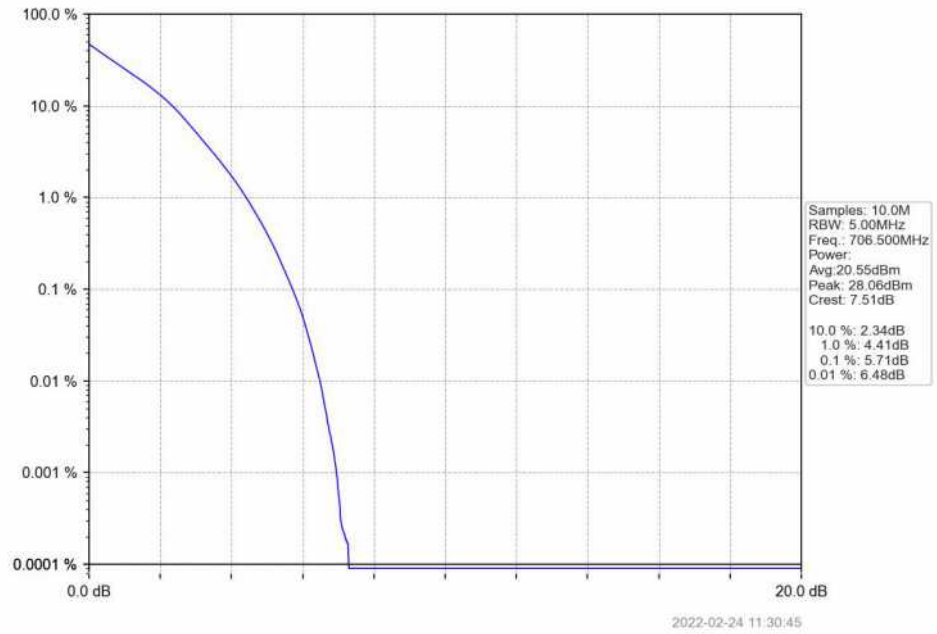
## 5.1 B17_5MHz

### 5.1.1 Test Result

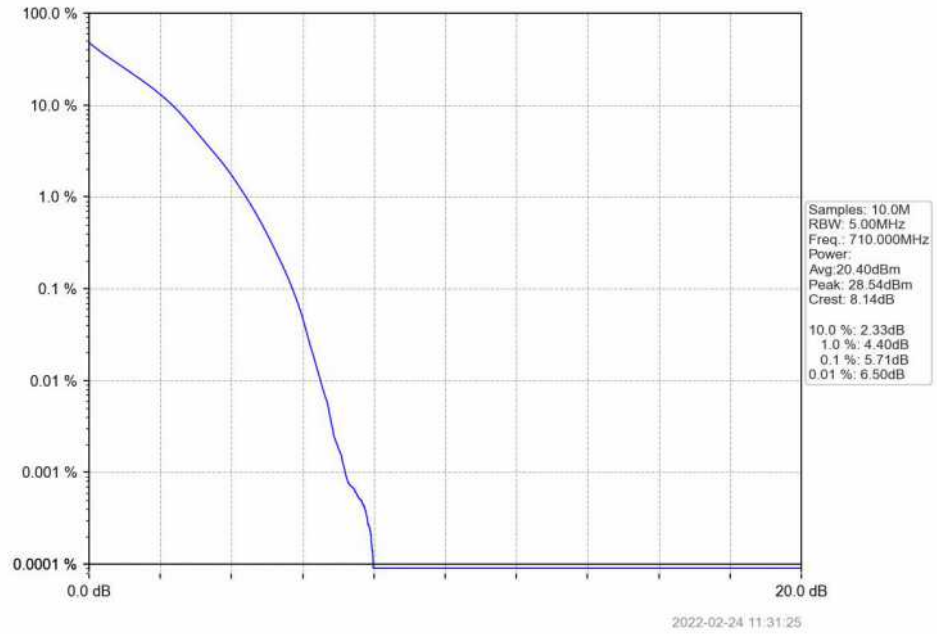
| Band: 17 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 706.5 | 25 | 0 | 5.71 | <=13 | Pass |
| | 710 | 25 | 0 | 5.71 | <=13 | Pass |
| | 713.5 | 25 | 0 | 5.71 | <=13 | Pass |
| 16QAM | 706.5 | 25 | 0 | 6.35 | <=13 | Pass |
| | 710 | 25 | 0 | 6.32 | <=13 | Pass |
| | 713.5 | 25 | 0 | 6.30 | <=13 | Pass |

## 5.1.2 Test Graph

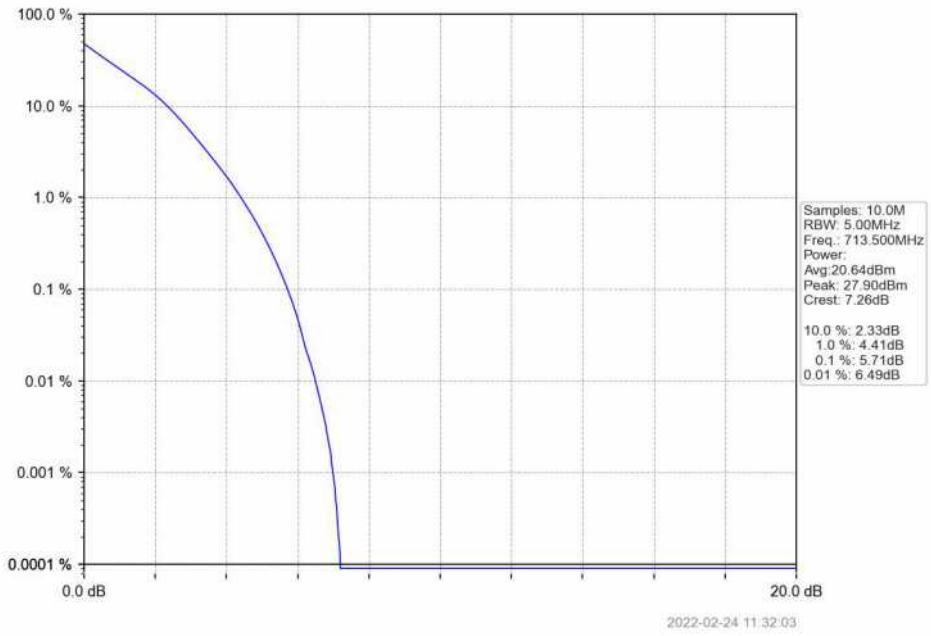
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



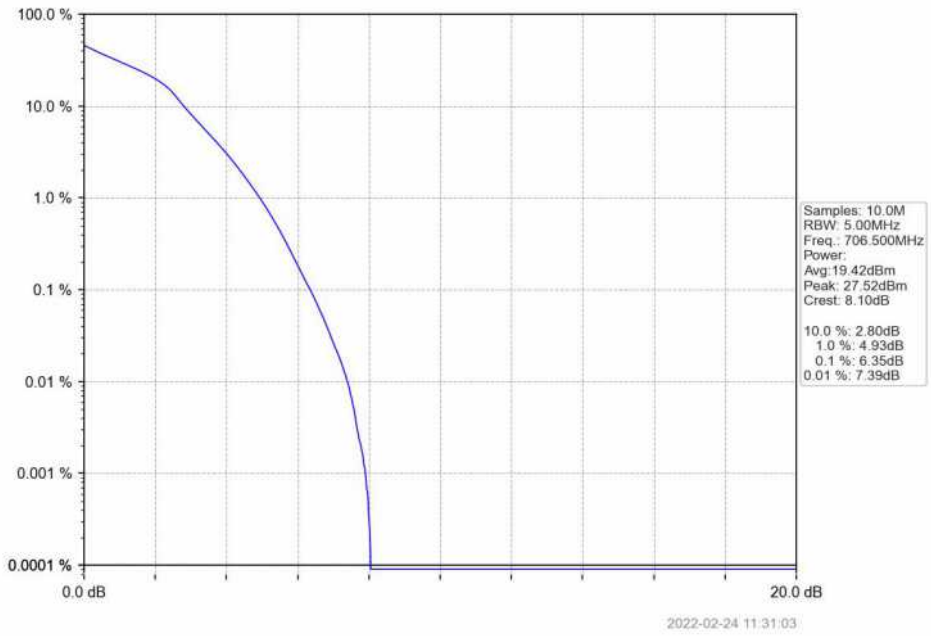

Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



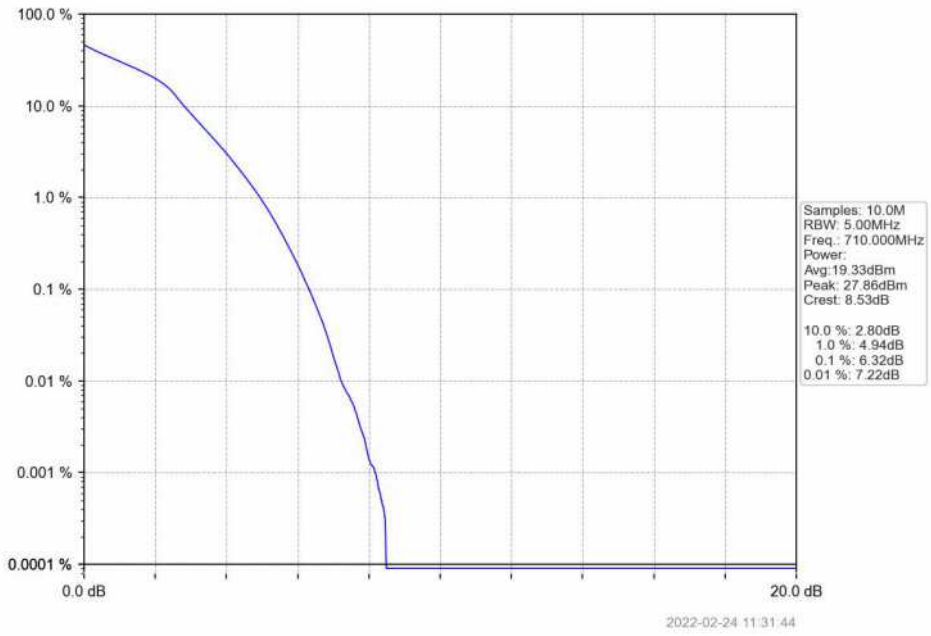
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



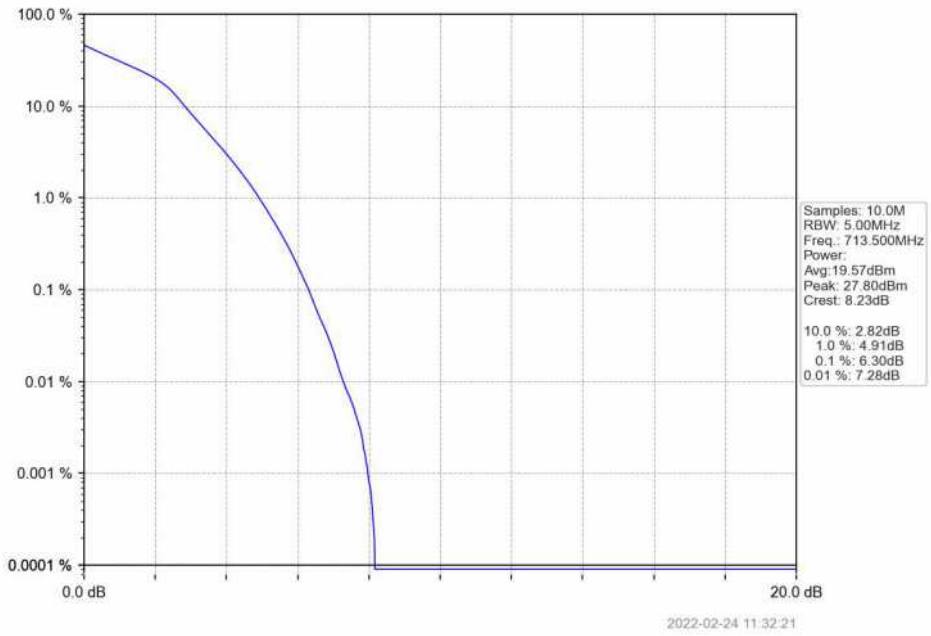

Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV




Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



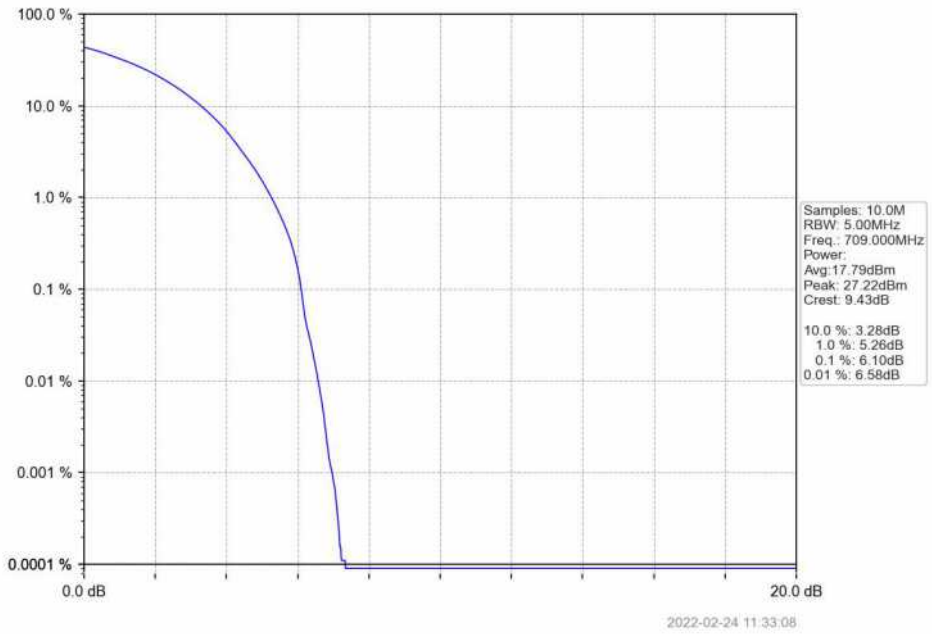
## 5.2 B17_10MHz

### 5.2.1 Test Result

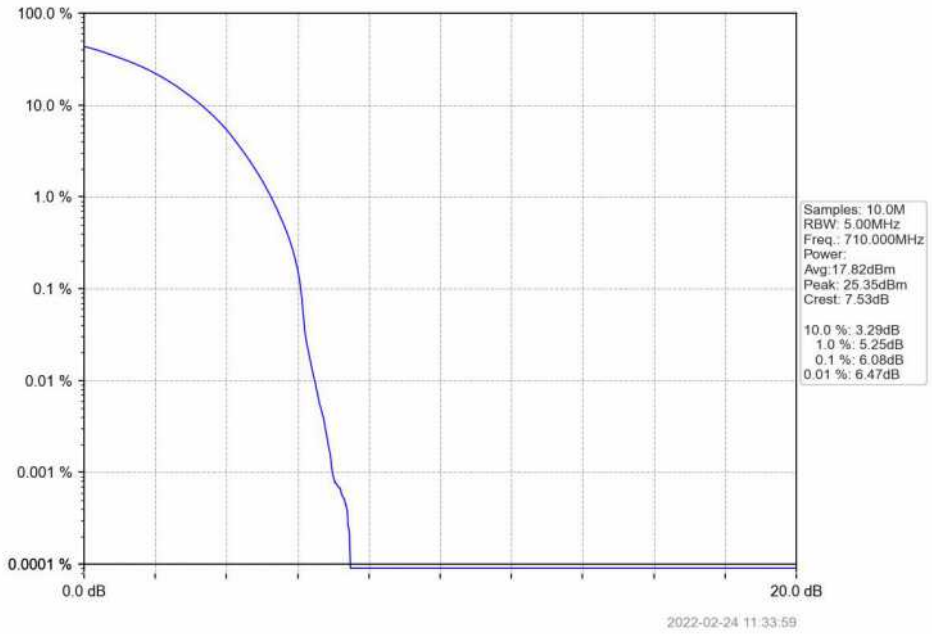
| Band: 17 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 709 | 50 | 0 | 6.10 | <=13 | Pass |
| | 710 | 50 | 0 | 6.08 | <=13 | Pass |
| | 711 | 50 | 0 | 6.12 | <=13 | Pass |
| 16QAM | 709 | 50 | 0 | 6.75 | <=13 | Pass |
| | 710 | 50 | 0 | 6.68 | <=13 | Pass |
| | 711 | 50 | 0 | 6.79 | <=13 | Pass |

## 5.2.2 Test Graph

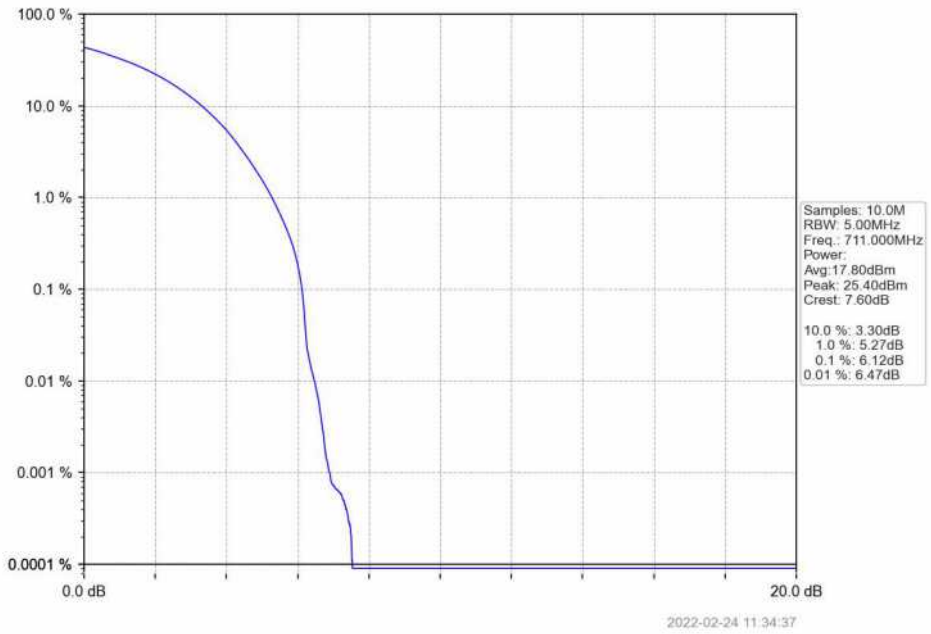
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



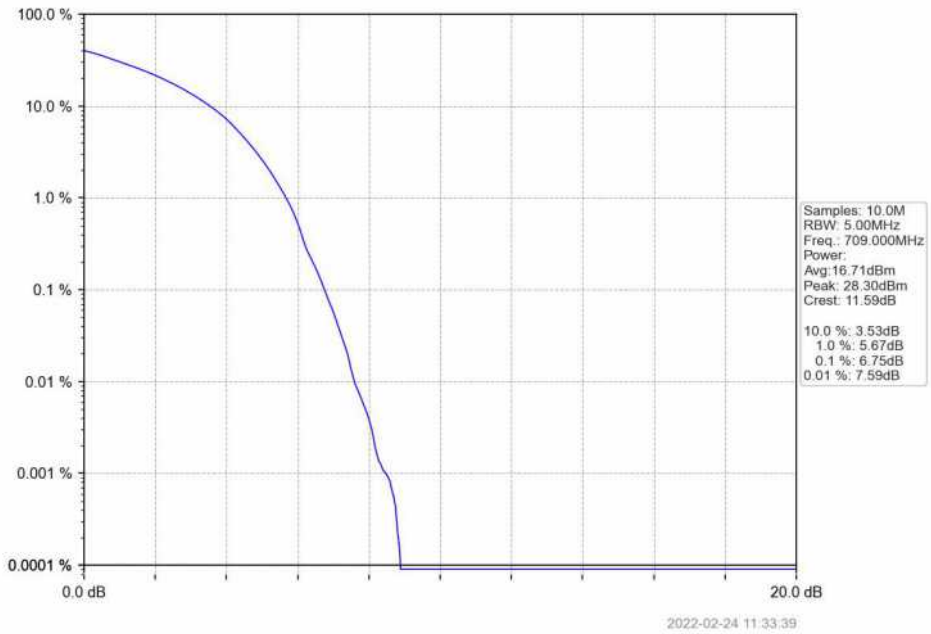

Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



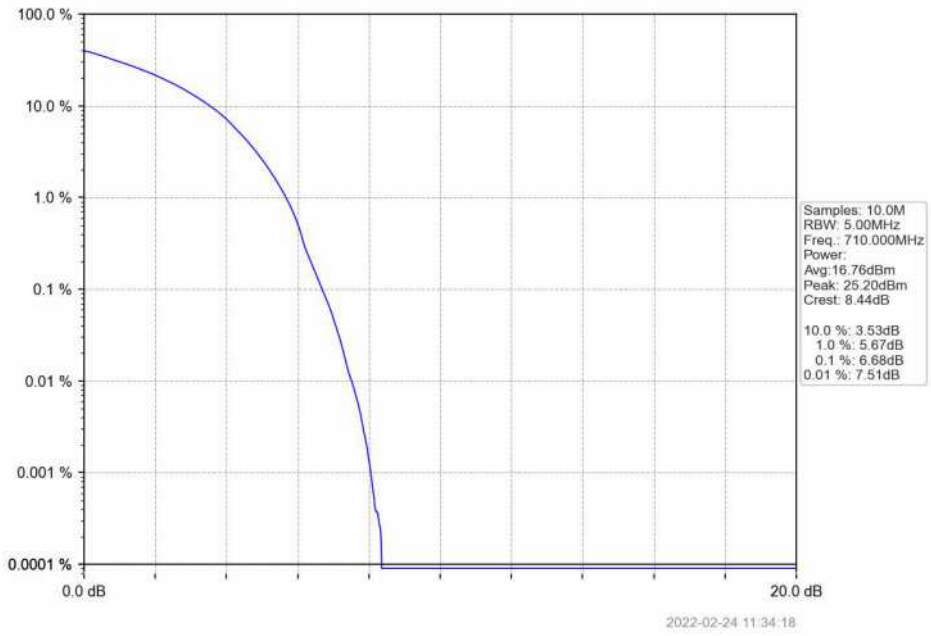
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



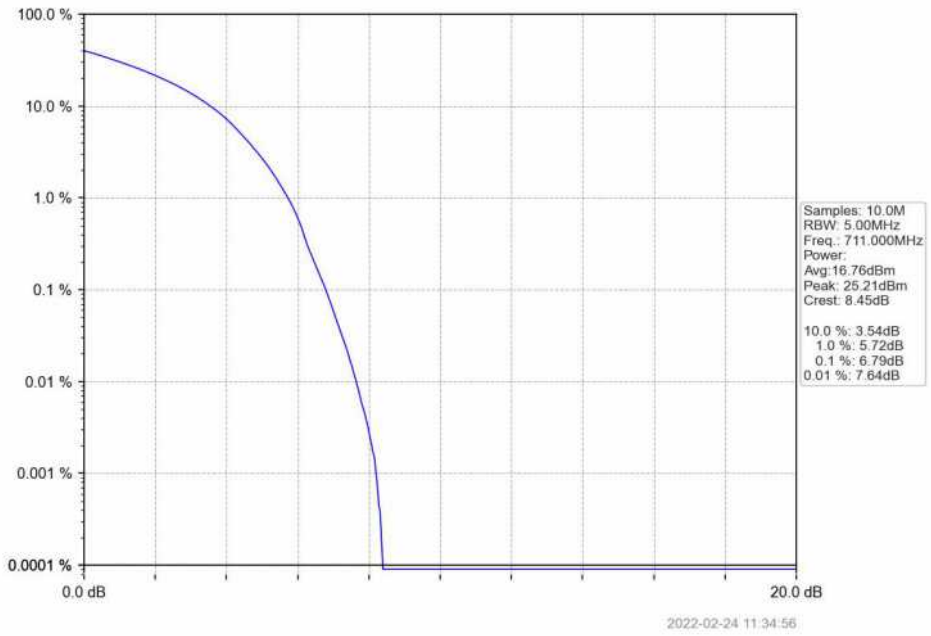

Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV




Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



# 6. Spurious Emission

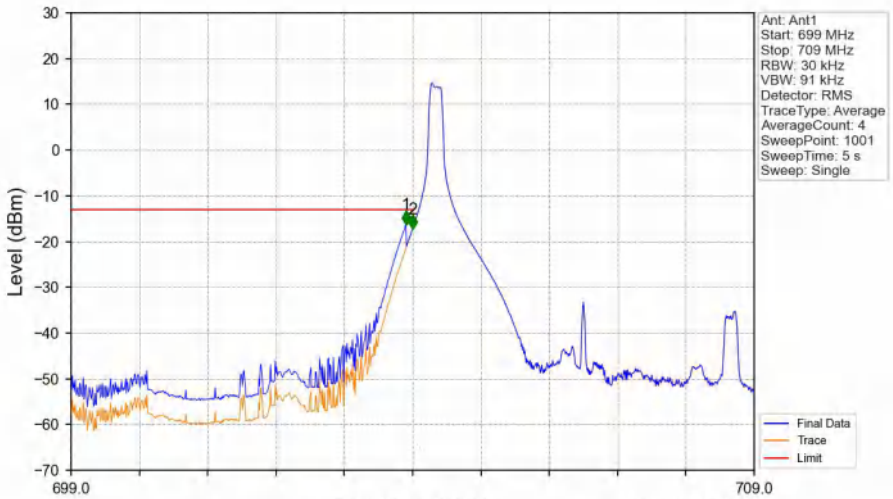
## 6.1 B17_5MHz

### 6.1.1 Test Result

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

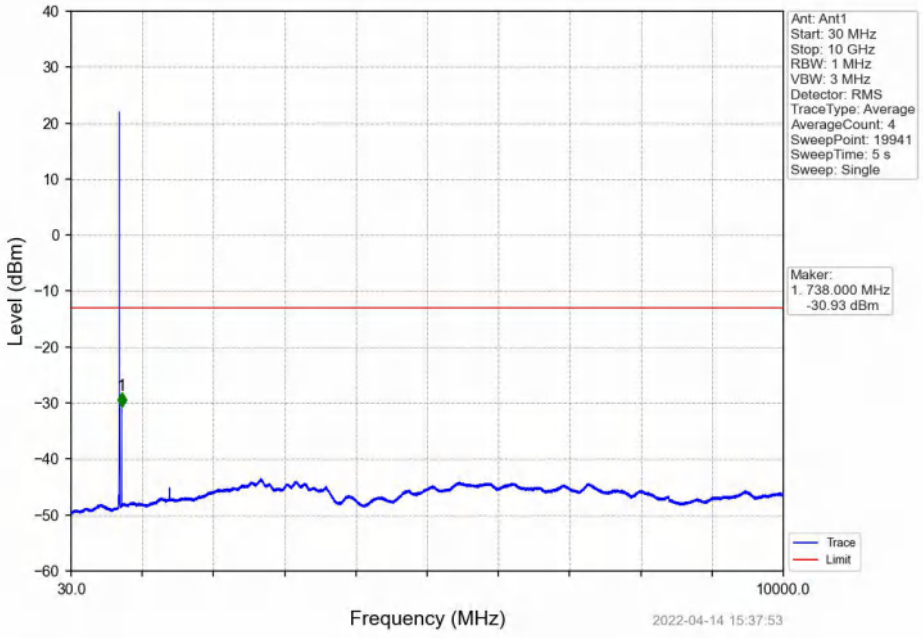
## 6.1.2 Test Graph

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

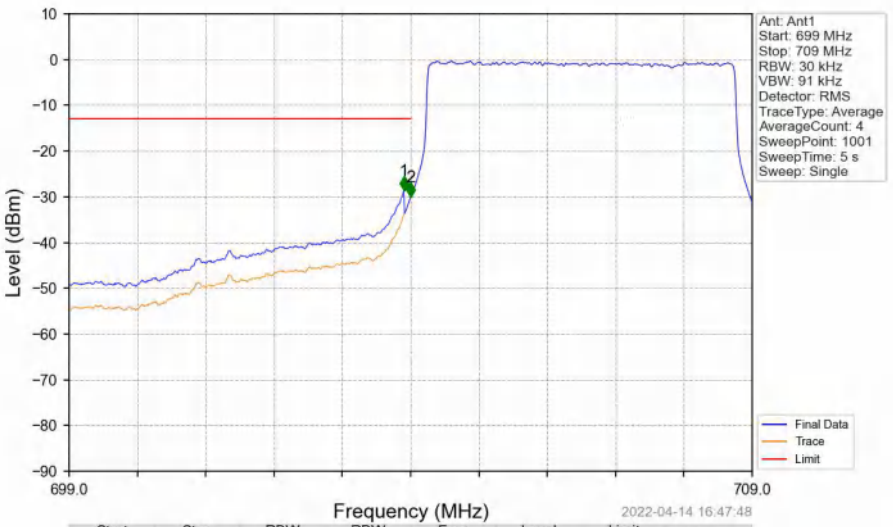



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 699 | 703.9 | 0.100 | 5.23 | 703.900 | -16.32 | -13 | Pass |
| 703.9 | 704 | 0.030 | 0 | 704.000 | -17.28 | -13 | Pass |

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

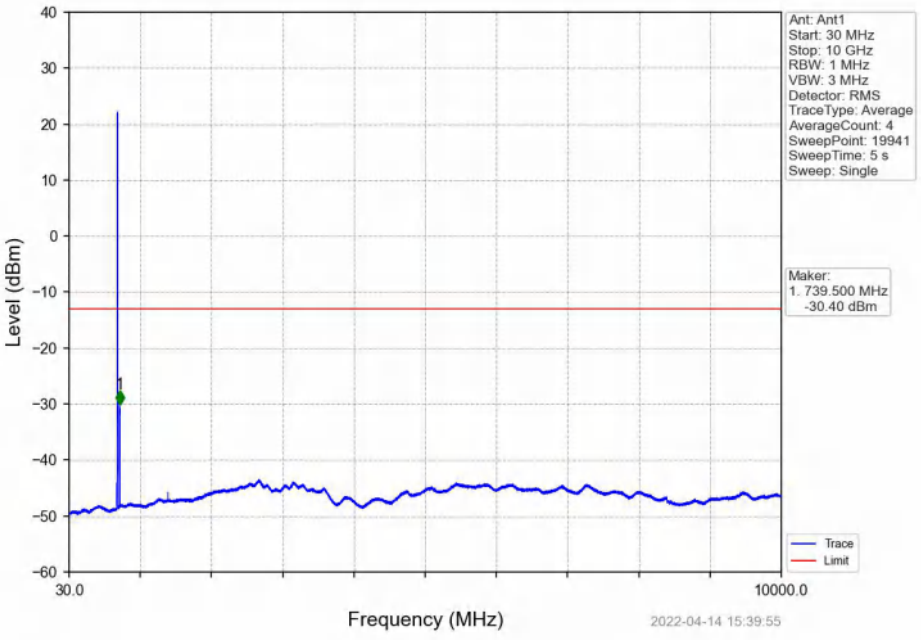


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

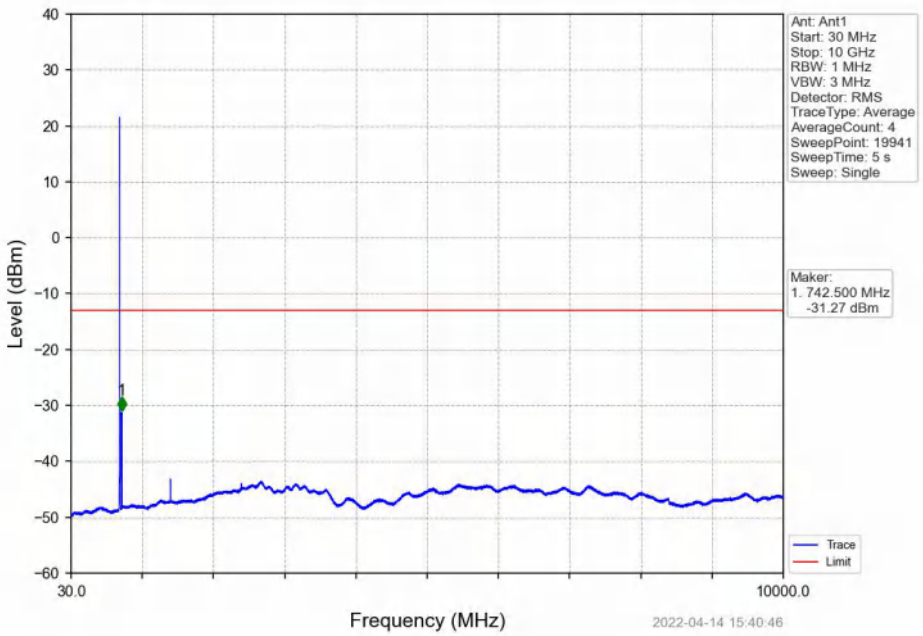



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 699 | 703.9 | 0.100 | 5.23 | 703.900 | -28.68 | -13 | Pass |
| 703.9 | 704 | 0.030 | 0 | 704.000 | -30.06 | -13 | Pass |

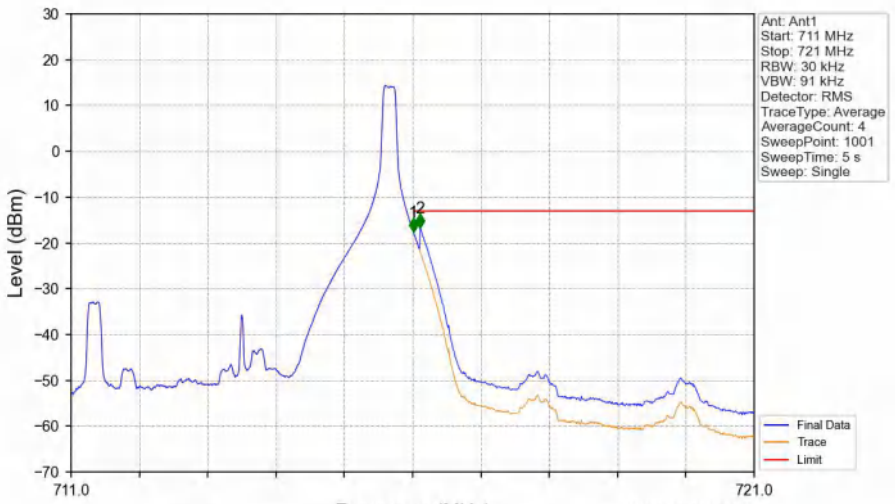
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

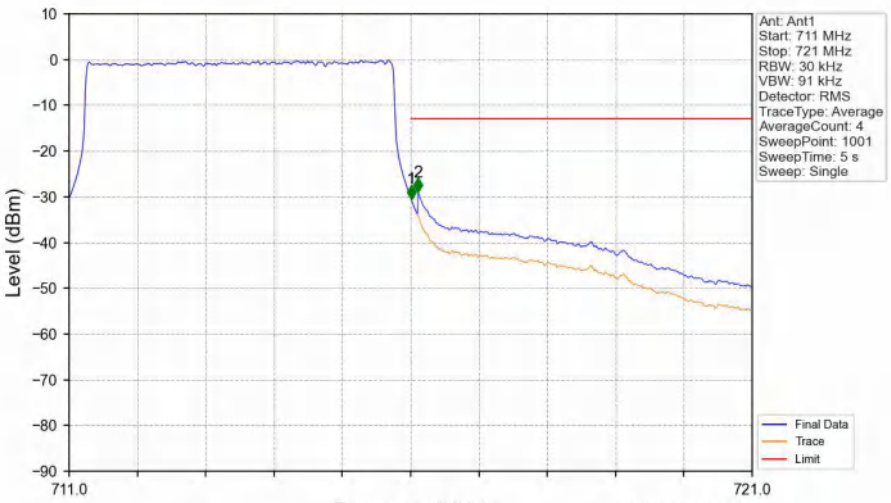



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



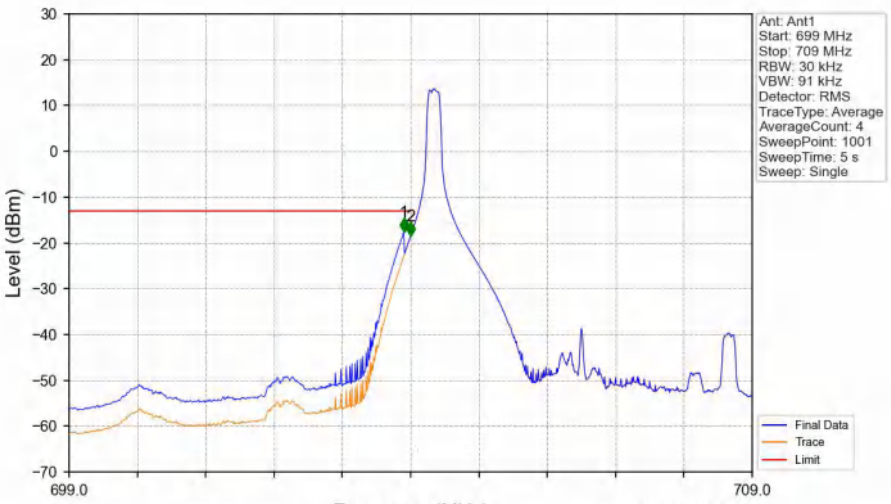

| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 711 | 716.1 | 0.030 | 0 | 716.010 | -17.67 | -13 | Pass |
| 716.1 | 721 | 0.100 | 5.23 | 716.110 | -16.78 | -13 | Pass |

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



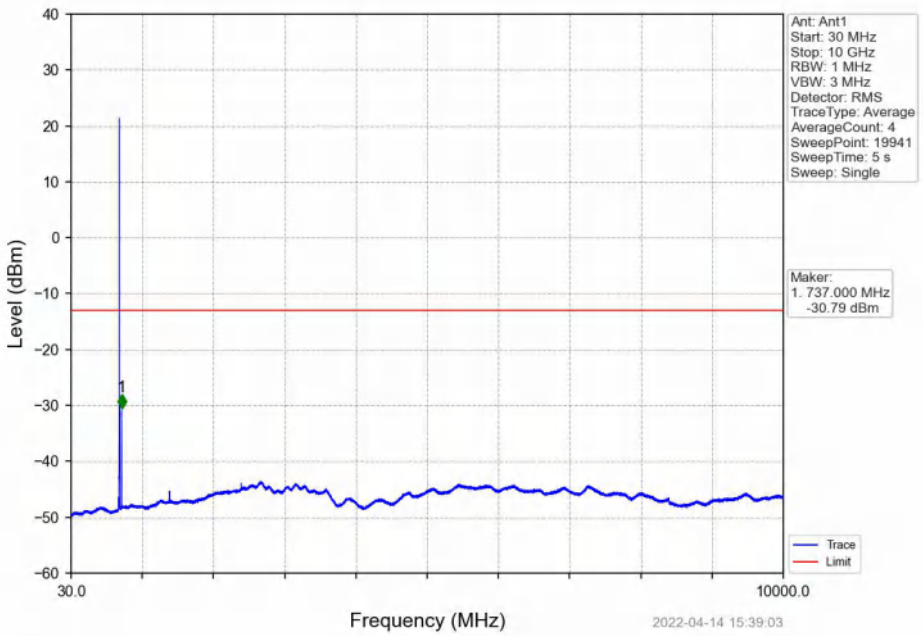

| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 711 | 716.1 | 0.030 | 0 | 716.010 | -30.50 | -13 | Pass |
| 716.1 | 721 | 0.100 | 5.23 | 716.110 | -28.98 | -13 | Pass |

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

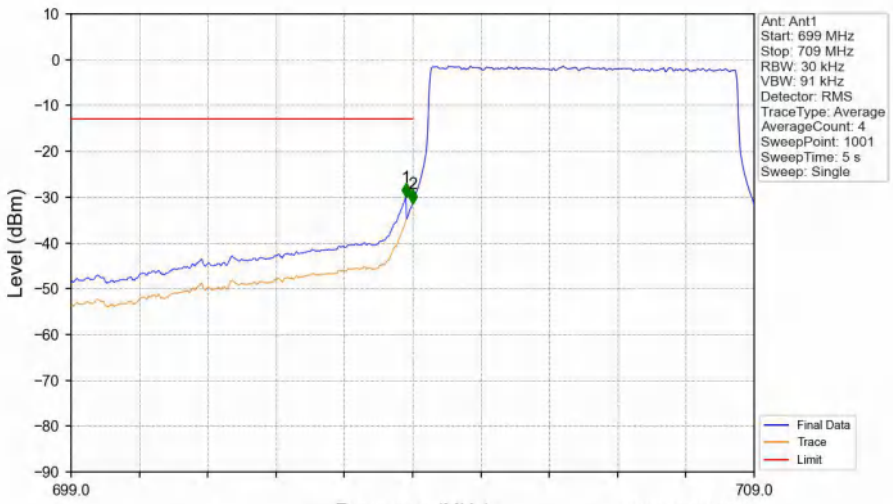



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 699 | 703.9 | 0.100 | 5.23 | 703.900 | -17.65 | -13 | Pass |
| 703.9 | 704 | 0.030 | 0 | 704.000 | -18.52 | -13 | Pass |

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

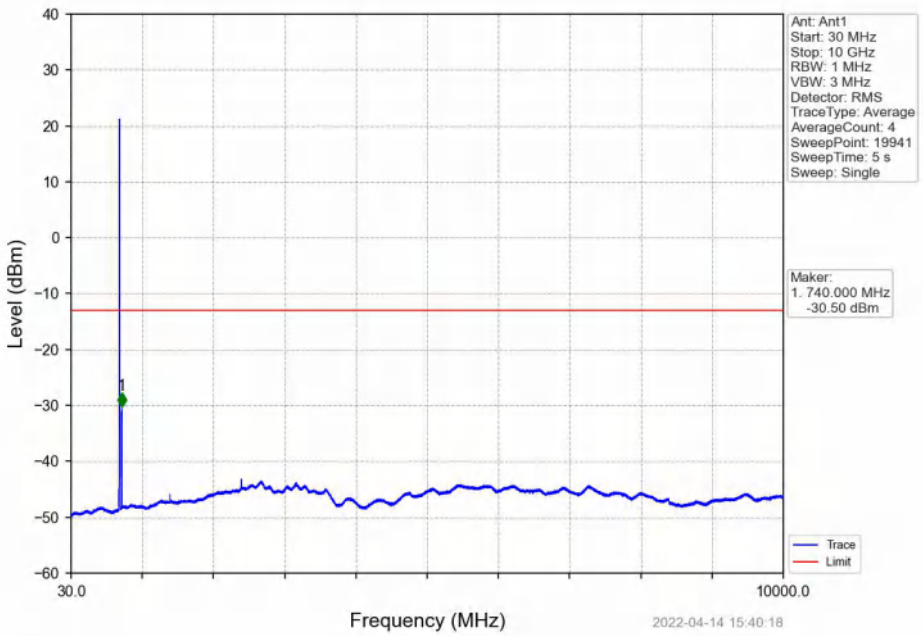



Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

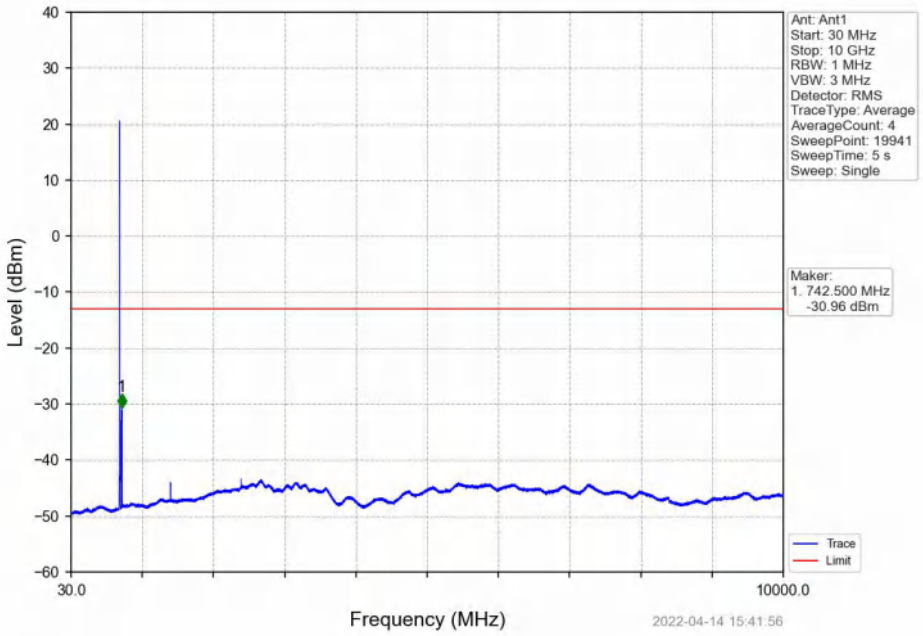



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 699 | 703.9 | 0.100 | 5.23 | 703.900 | -30.01 | -13 | Pass |
| 703.9 | 704 | 0.030 | 0 | 704.000 | -31.41 | -13 | Pass |

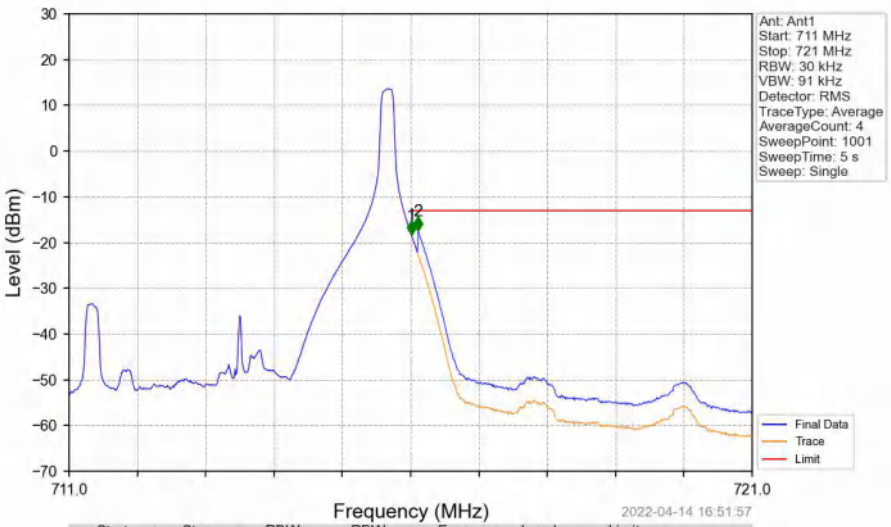
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV




Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

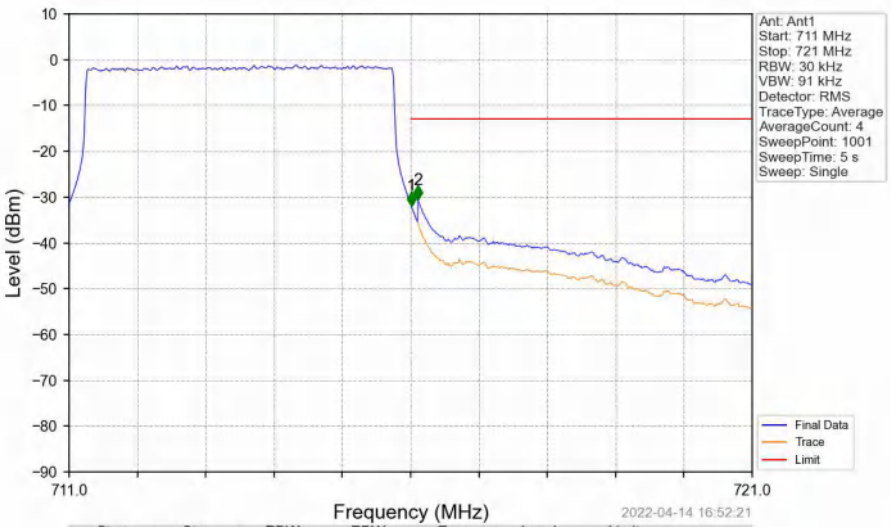


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 711 | 716.1 | 0.030 | 0 | 716.010 | -18.37 | -13 | Pass |
| 716.1 | 721 | 0.100 | 5.23 | 716.110 | -17.52 | -13 | Pass |

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 711 | 716.1 | 0.030 | 0 | 716.010 | -31.89 | -13 | Pass |
| 716.1 | 721 | 0.100 | 5.23 | 716.110 | -30.54 | -13 | Pass |

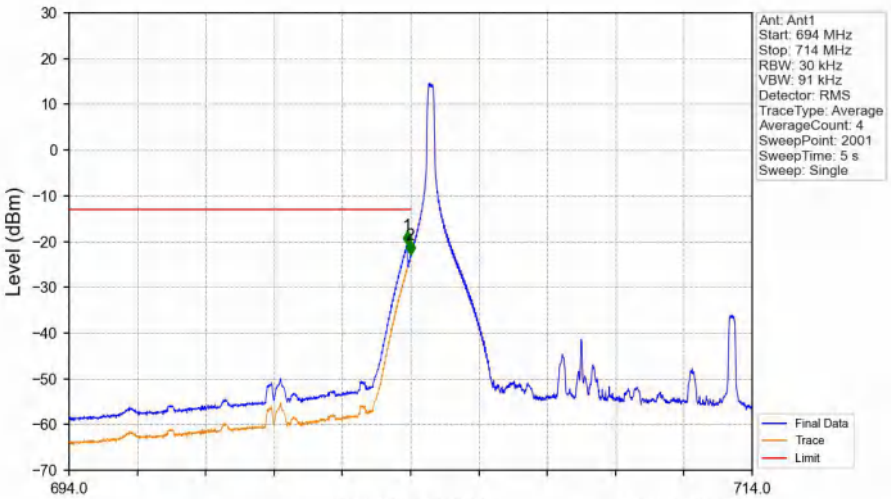
## 6.2 B17_10MHz

### 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 |

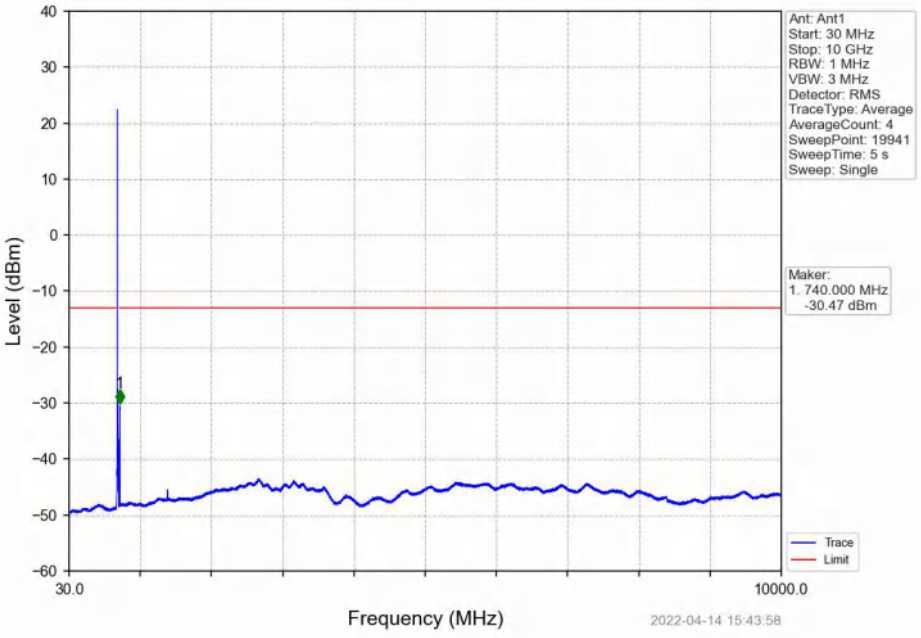
## 6.2.2 Test Graph

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

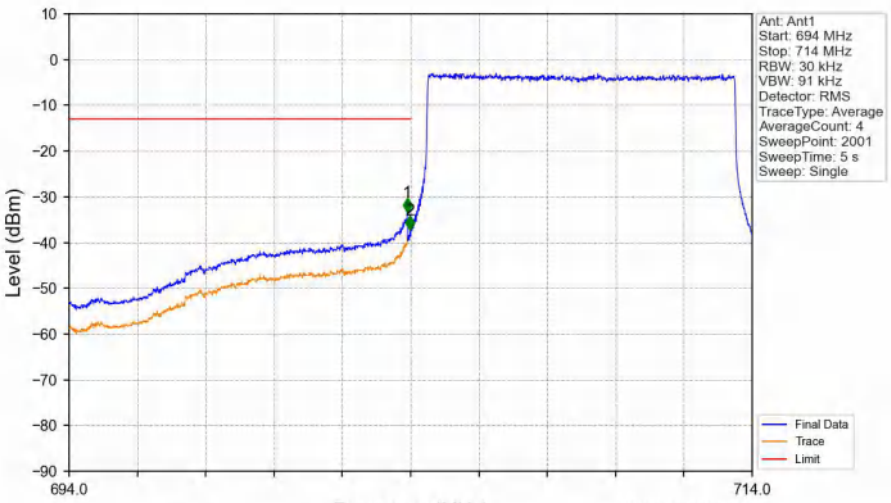



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 694 | 703.9 | 0.100 | 5.23 | 703.900 | -20.80 | -13 | Pass |
| 703.9 | 704 | 0.030 | 0 | 703.990 | -22.98 | -13 | Pass |

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

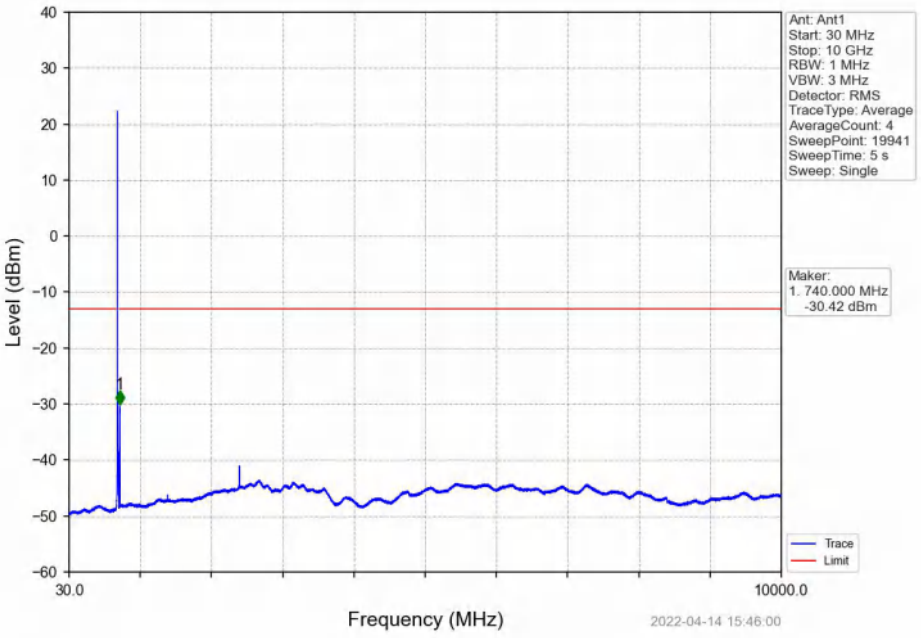


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

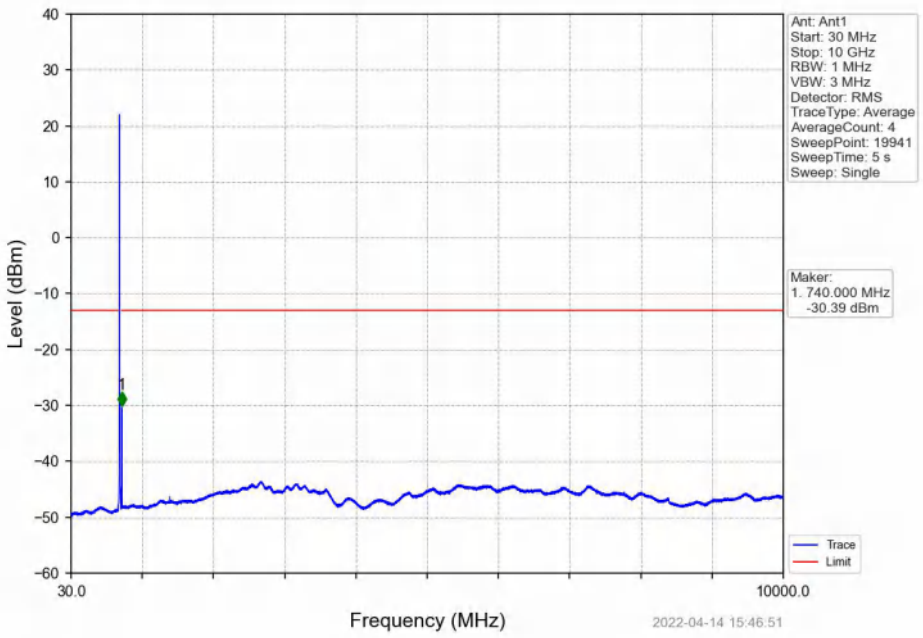



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 694 | 703.9 | 0.100 | 5.23 | 703.900 | -33.44 | -13 | Pass |
| 703.9 | 704 | 0.030 | 0 | 703.980 | -37.34 | -13 | Pass |

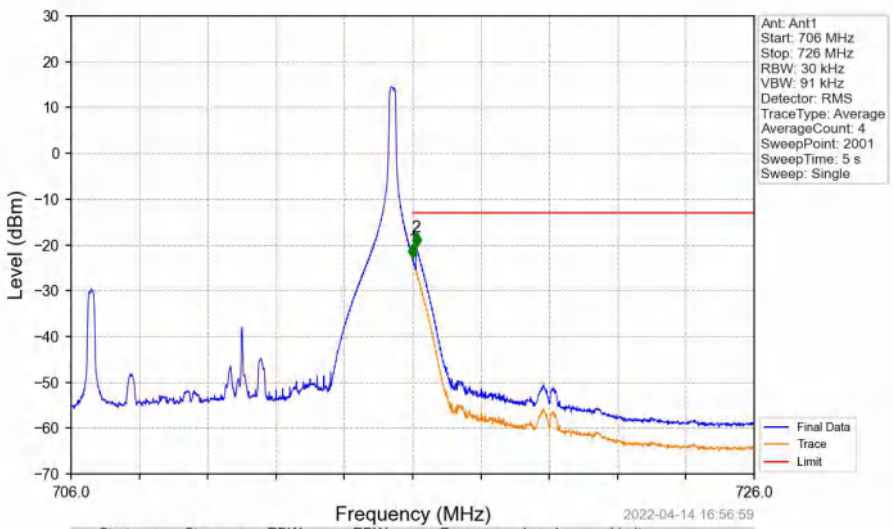
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

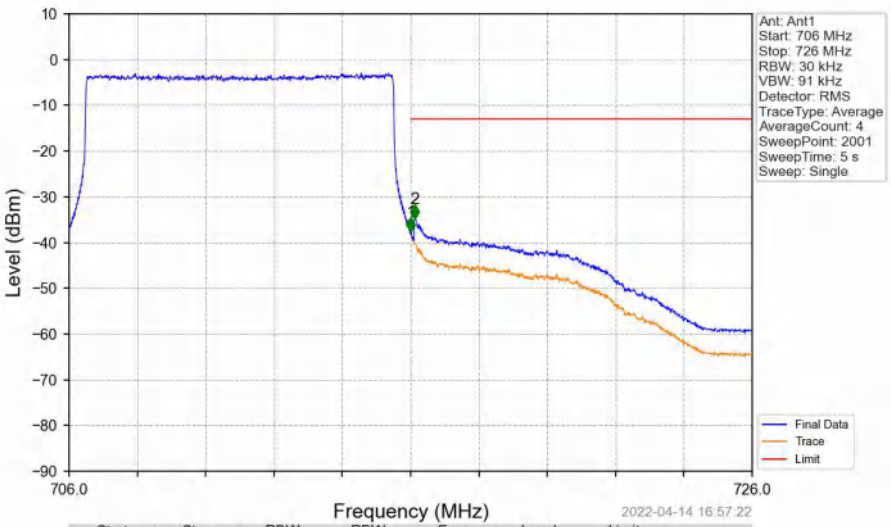



Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



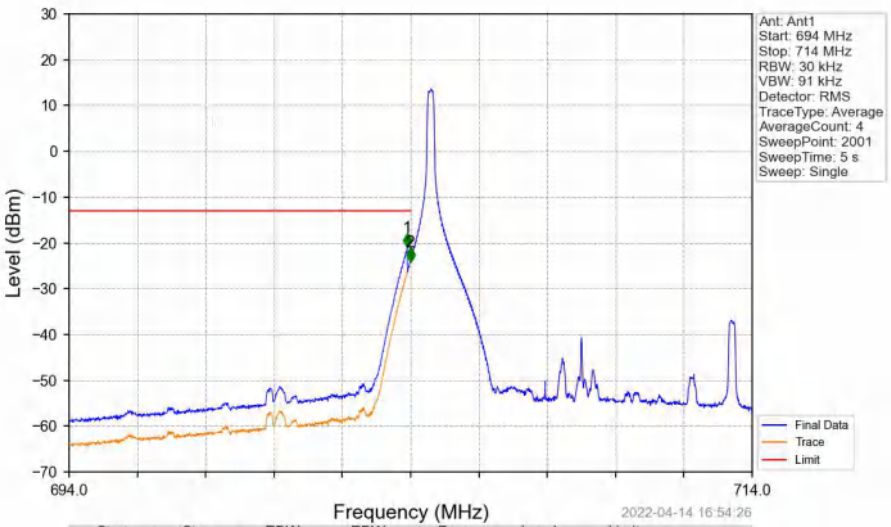

| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 706 | 716.1 | 0.030 | 0 | 716.010 | -22.92 | -13 | Pass |
| 716.1 | 726 | 0.100 | 5.23 | 716.110 | -20.45 | -13 | Pass |

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



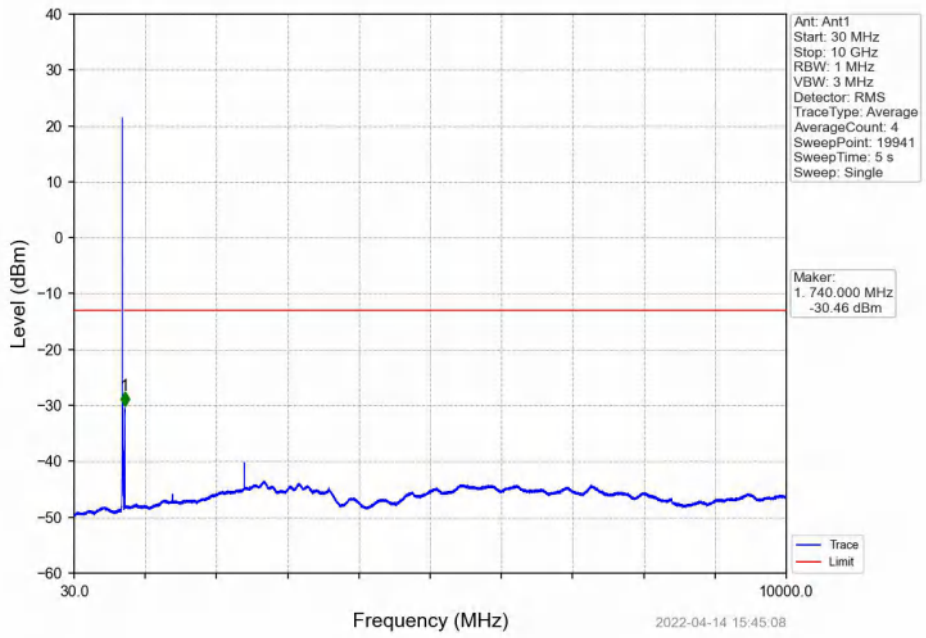

| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 706 | 716.1 | 0.030 | 0 | 716.010 | -37.58 | -13 | Pass |
| 716.1 | 726 | 0.100 | 5.23 | 716.130 | -34.81 | -13 | Pass |

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

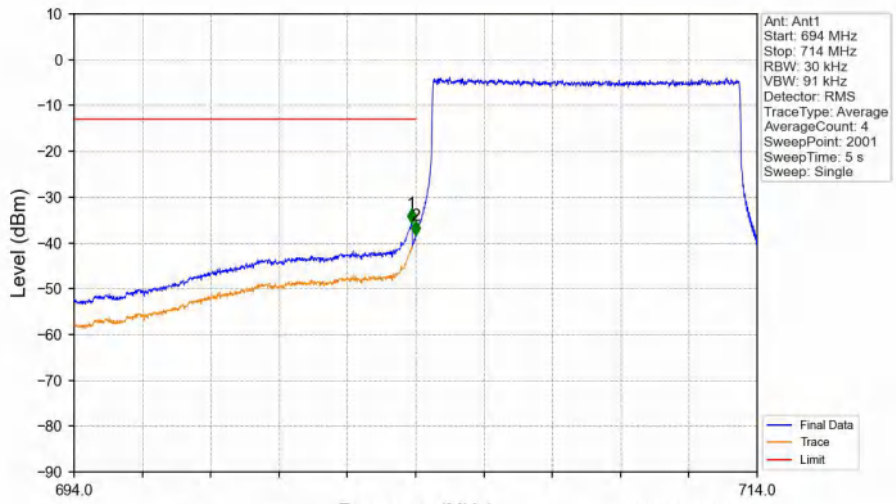



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 694 | 703.9 | 0.100 | 5.23 | 703.900 | -21.03 | -13 | Pass |
| 703.9 | 704 | 0.030 | 0 | 703.990 | -24.09 | -13 | Pass |

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

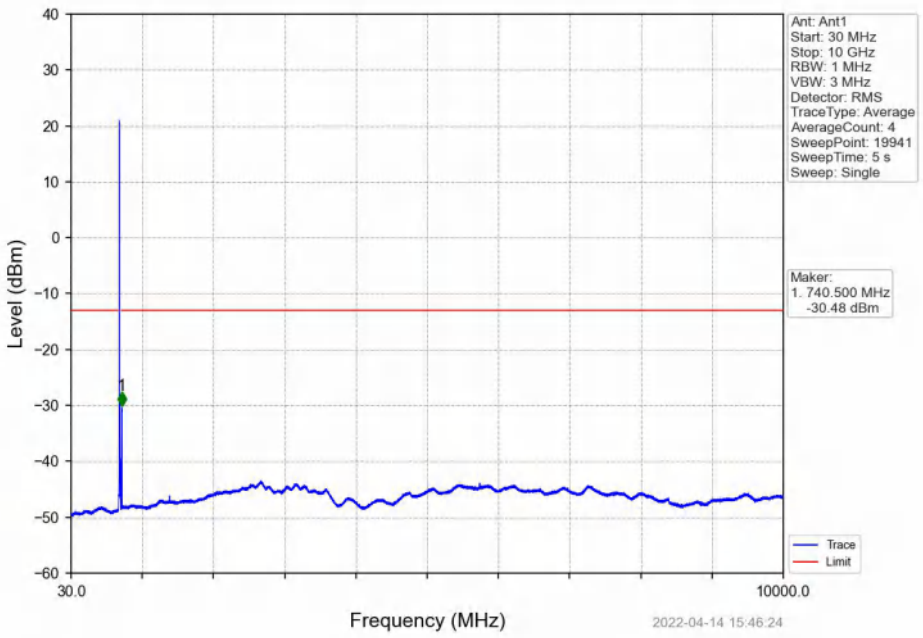



Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

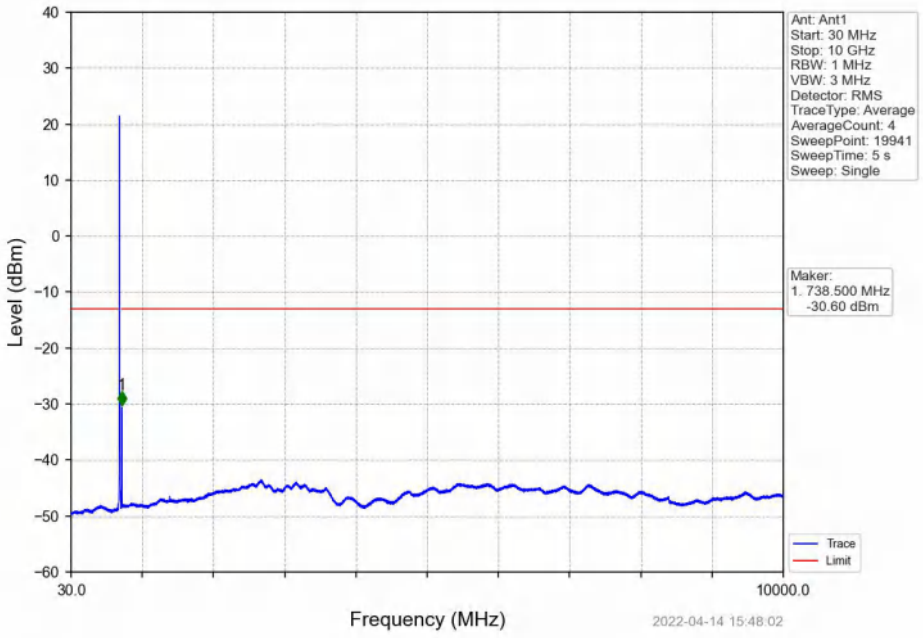



| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 694 | 703.9 | 0.100 | 5.23 | 703.880 | -35.75 | -13 | Pass |
| 703.9 | 704 | 0.030 | 0 | 704.000 | -38.39 | -13 | Pass |

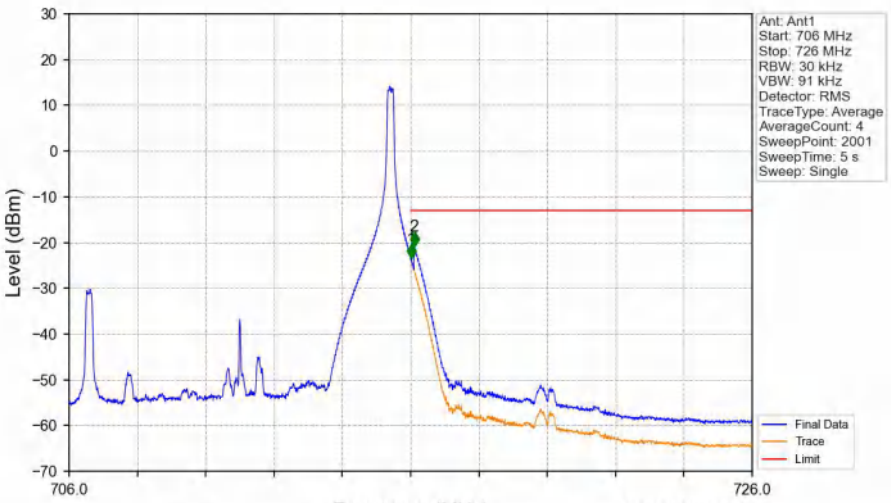
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV




Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

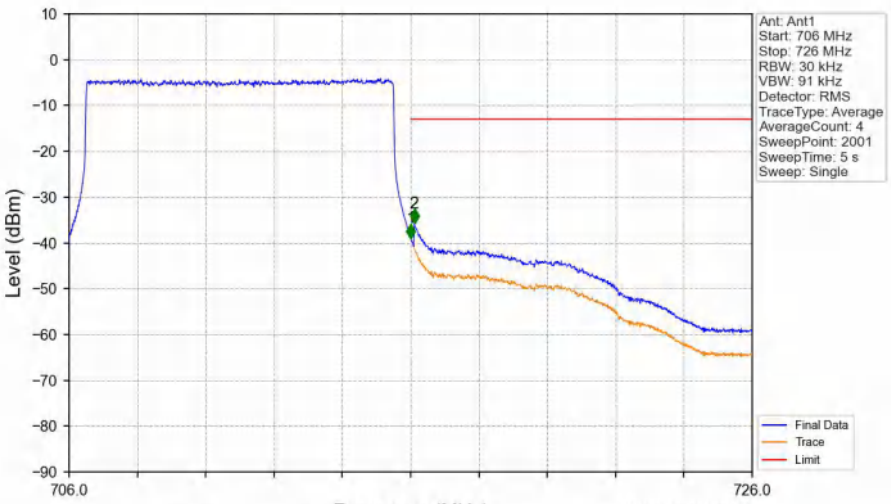


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 706 | 716.1 | 0.030 | 0 | 716.020 | -23.41 | -13 | Pass |
| 716.1 | 726 | 0.100 | 5.23 | 716.110 | -20.78 | -13 | Pass |

Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | RBW Factor(dB) | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|
| 706 | 716.1 | 0.030 | 0 | 716.010 | -38.94 | -13 | Pass |
| 716.1 | 726 | 0.100 | 5.23 | 716.110 | -35.72 | -13 | Pass |