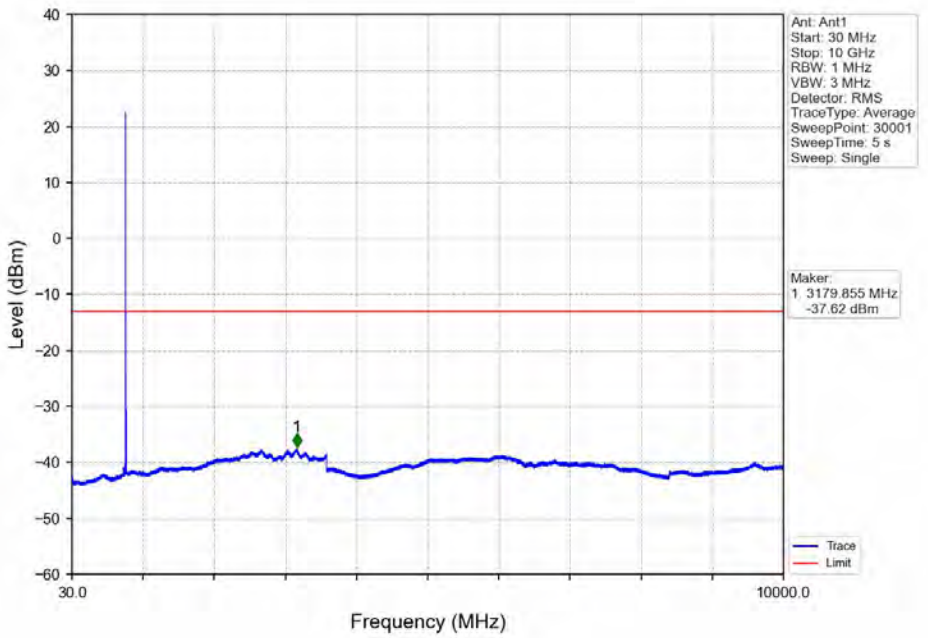
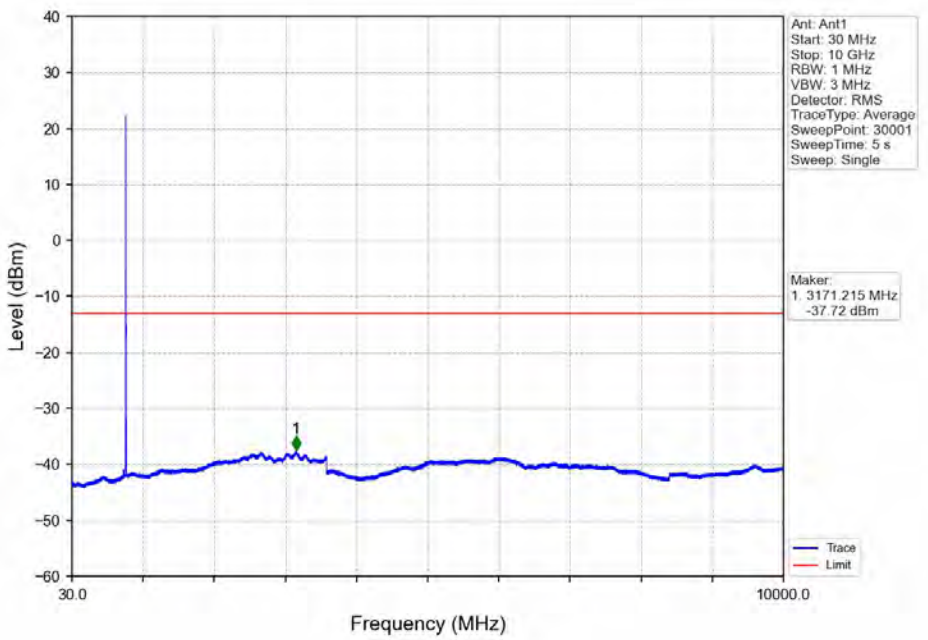
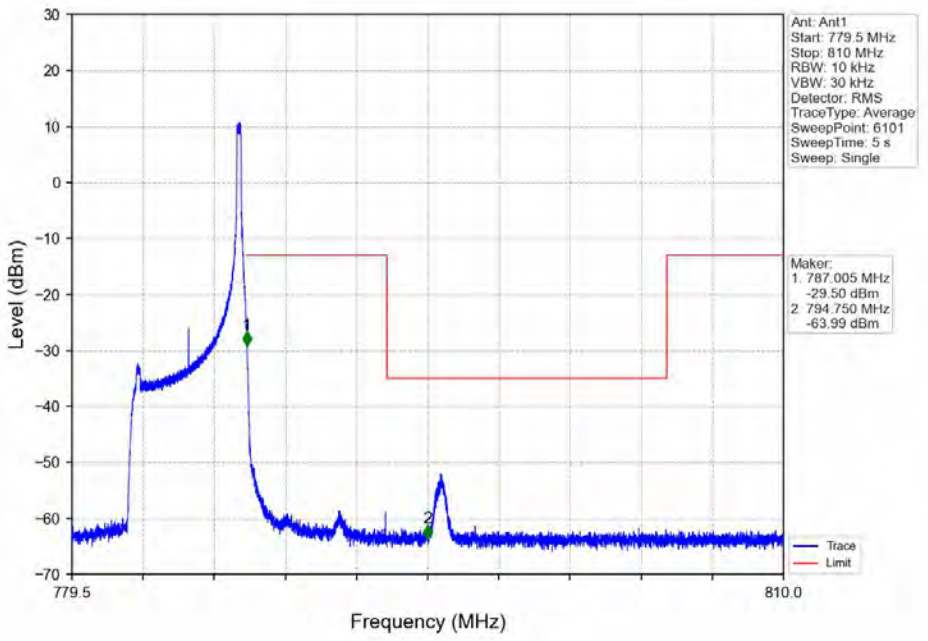
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



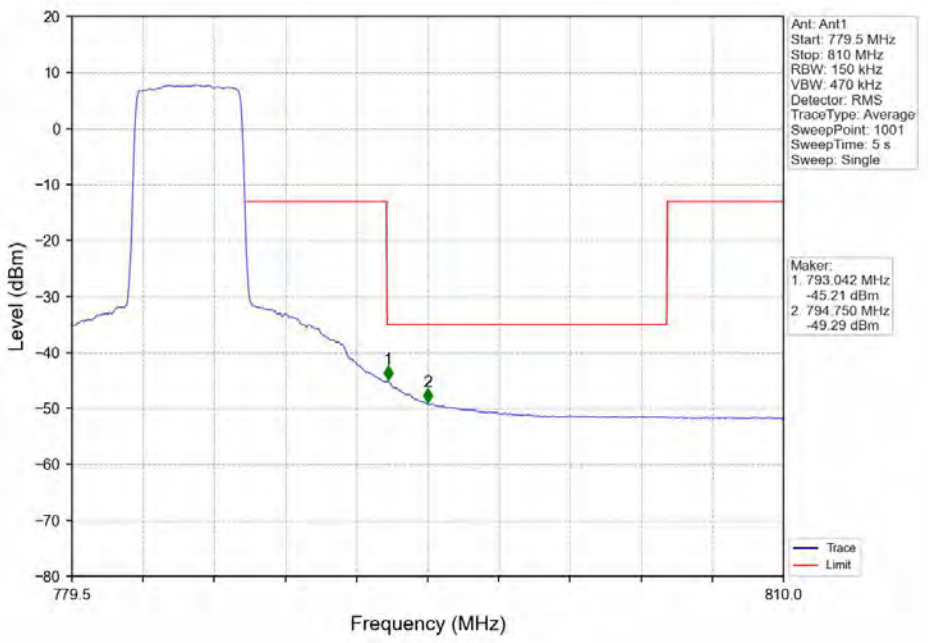

Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV



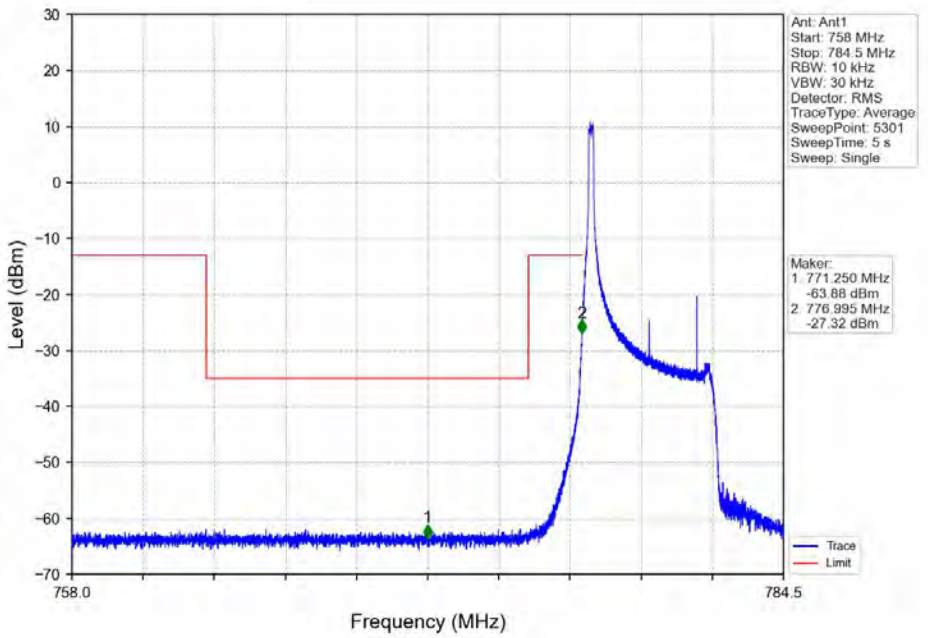
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_24_NTNV



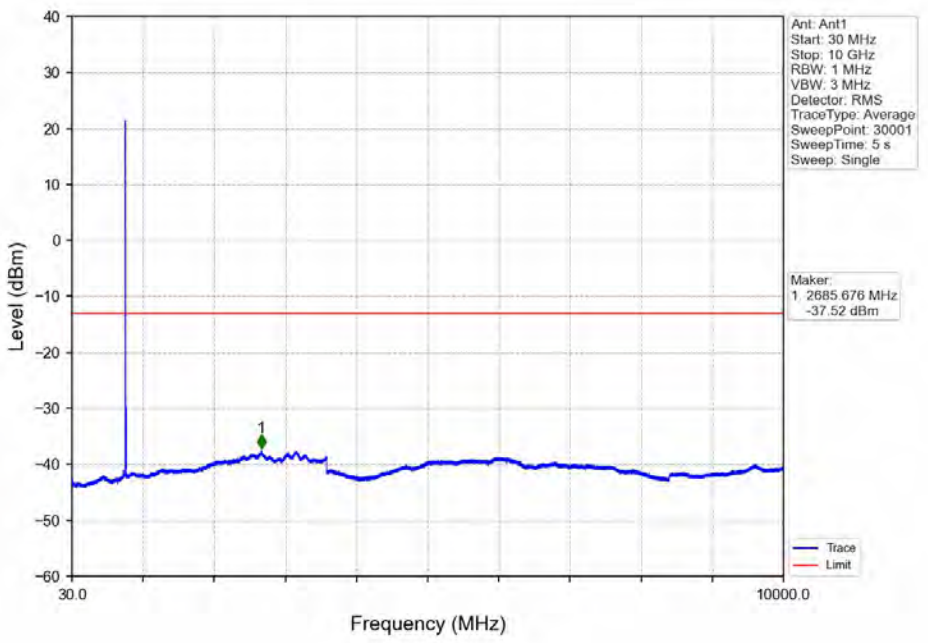

Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV



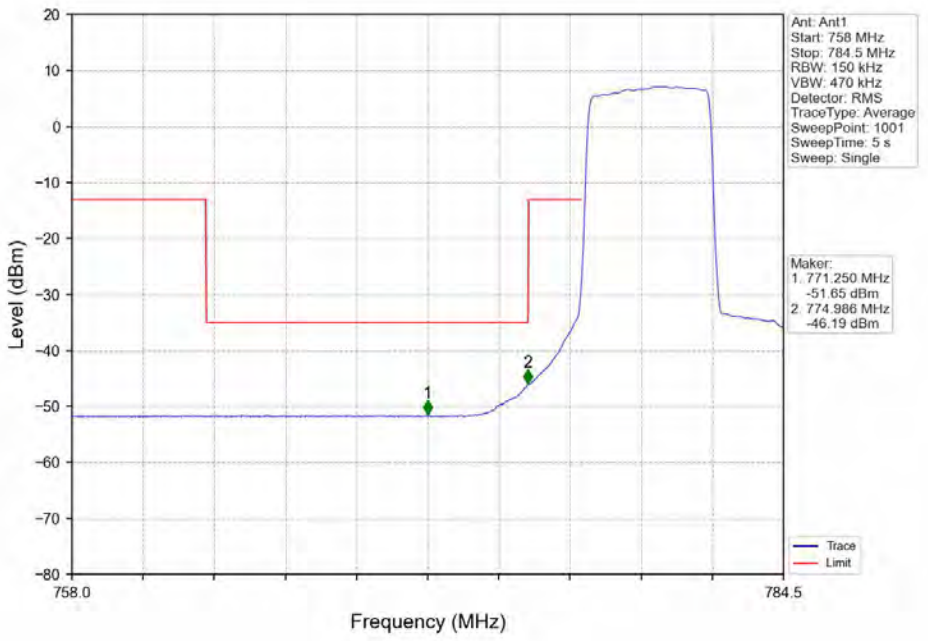
Band13_5MHz_64QAM_LCH_779.5MHz_RB_1_0_NTNV



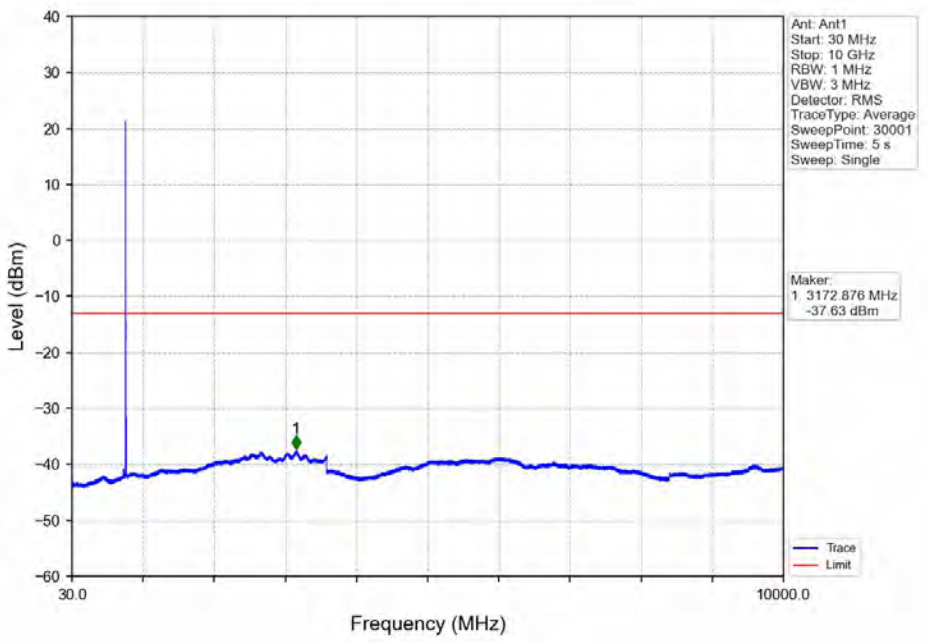

Band13_5MHz_64QAM_LCH_779.5MHz_RB_1_0_NTNV



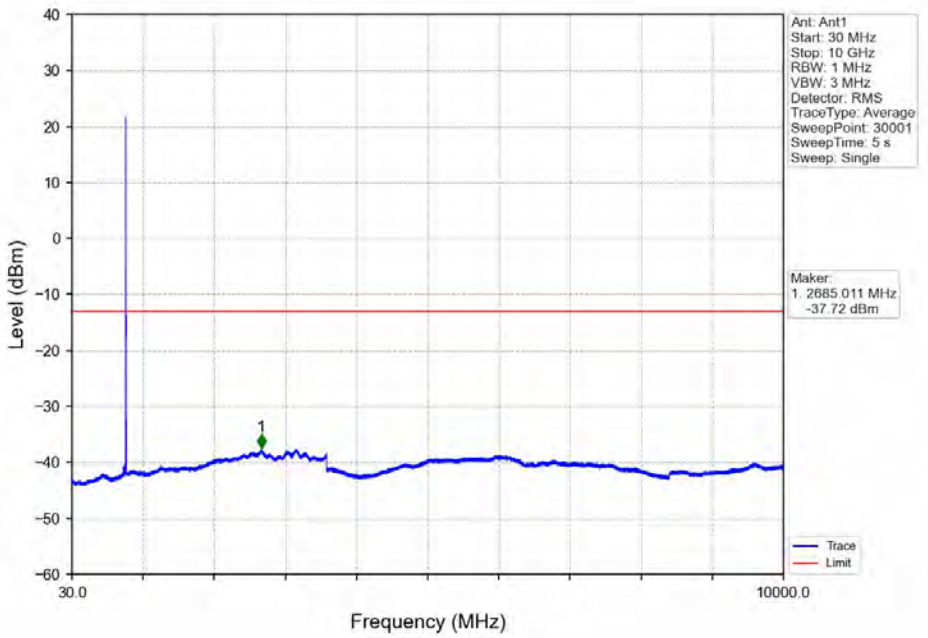
Band13_5MHz_64QAM_LCH_779.5MHz_RB_25_0_NTNV



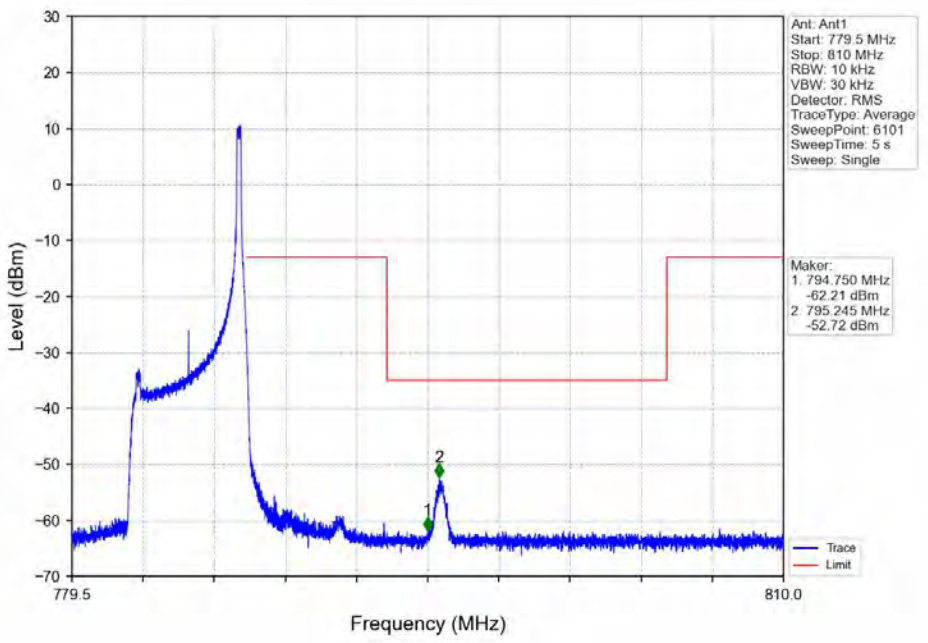

Band13_5MHz_64QAM_MCH_782MHz_RB_1_0_NTNV



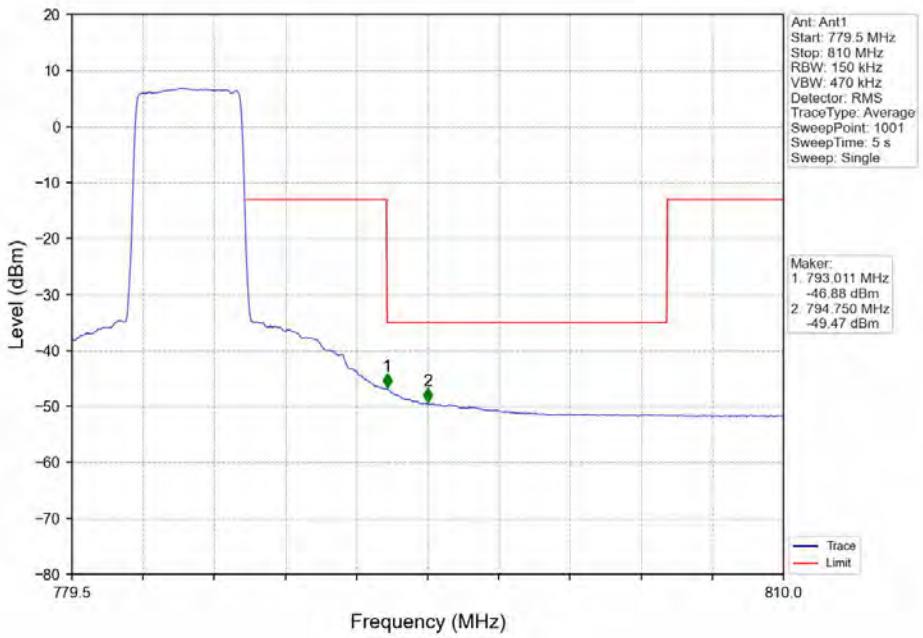
Band13_5MHz_64QAM_HCH_784.5MHz_RB_1_0_NTNV




Band13_5MHz_64QAM_HCH_784.5MHz_RB_1_24_NTNV



Band13_5MHz_64QAM_HCH_784.5MHz_RB_25_0_NTNV

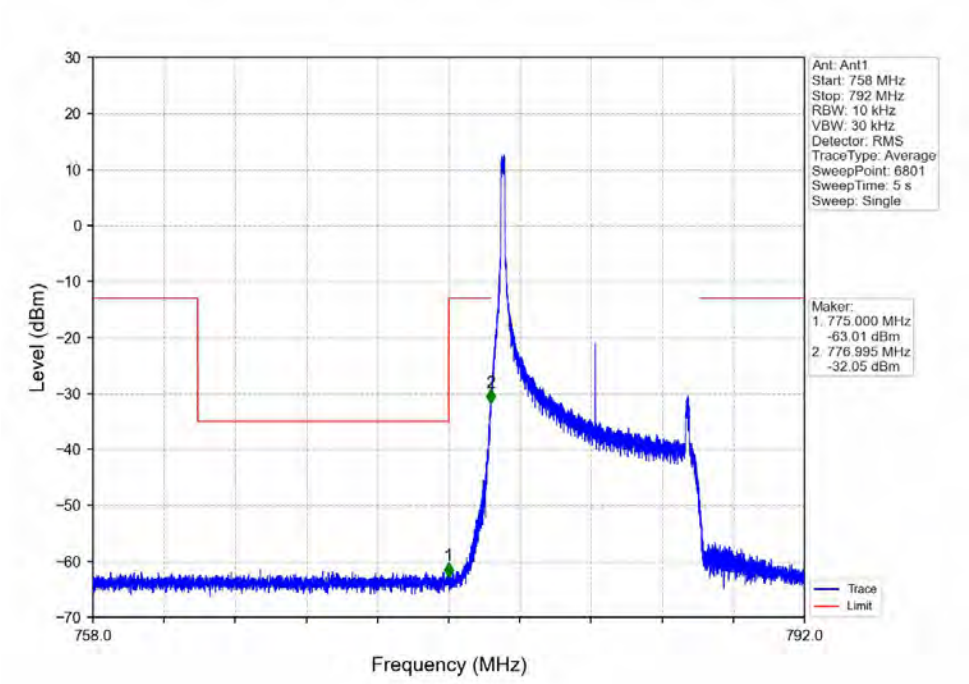


## B13_10MHZ TEST RESULT

| Band: 13 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 782 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 782 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| 64QAM | 782 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |

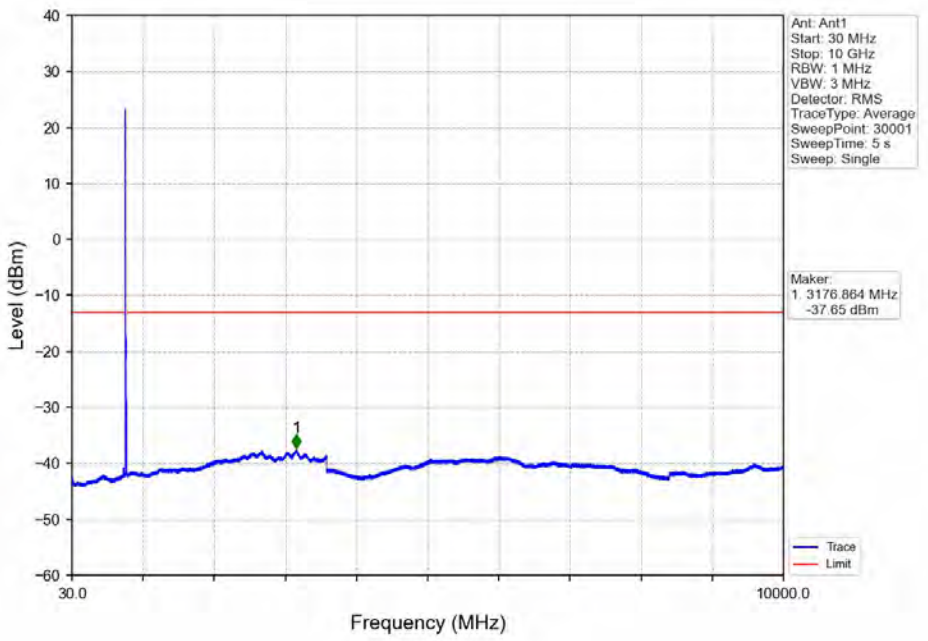
## TEST GRAPH

Band13_10MHz_QPSK_MCH_782MHz_RB_1_0_NTNV

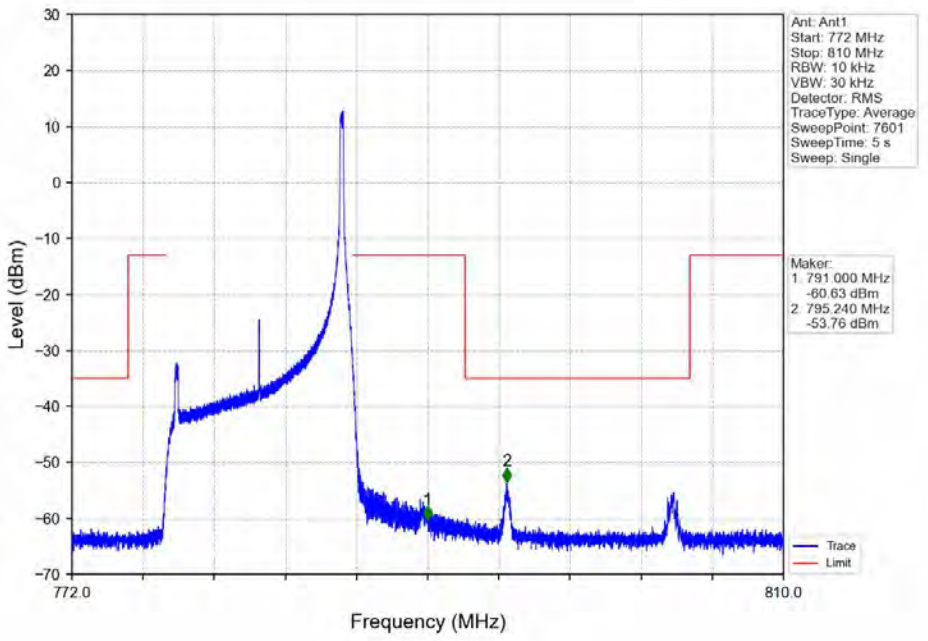



Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV

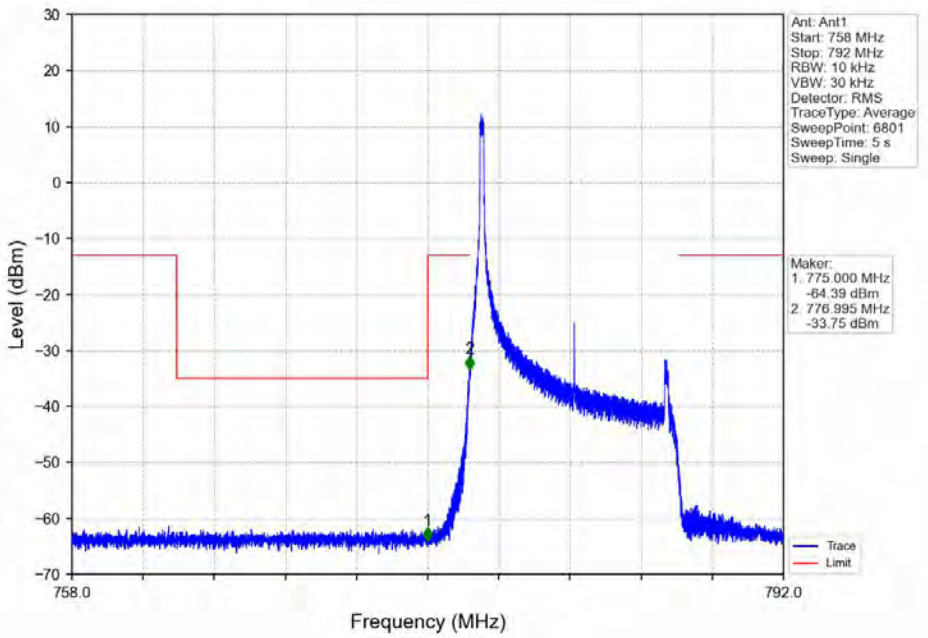
Band13_10MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



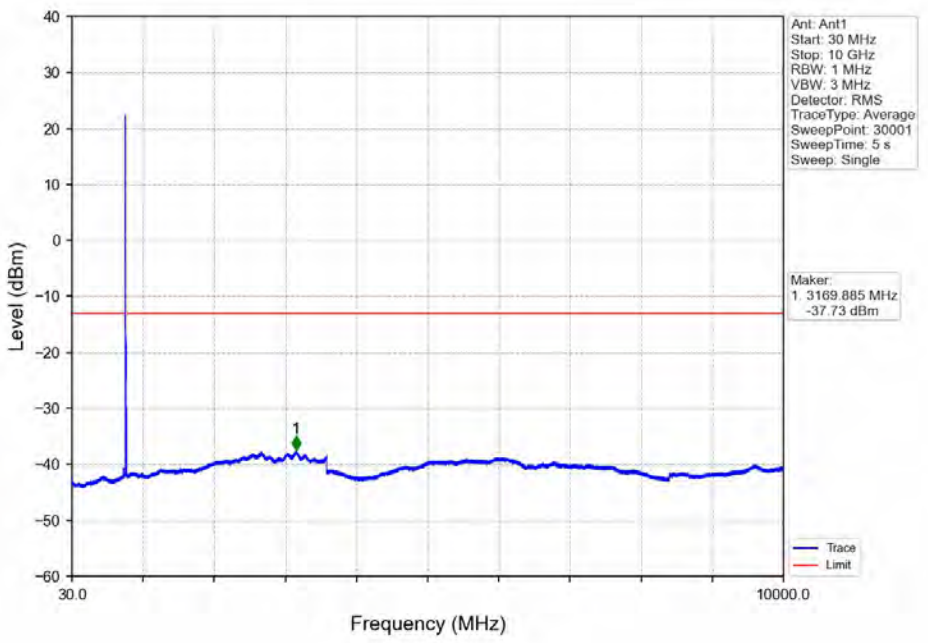

Band13_10MHz_QPSK_MCH_782MHz_RB_1_49_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_1_0_NTNV

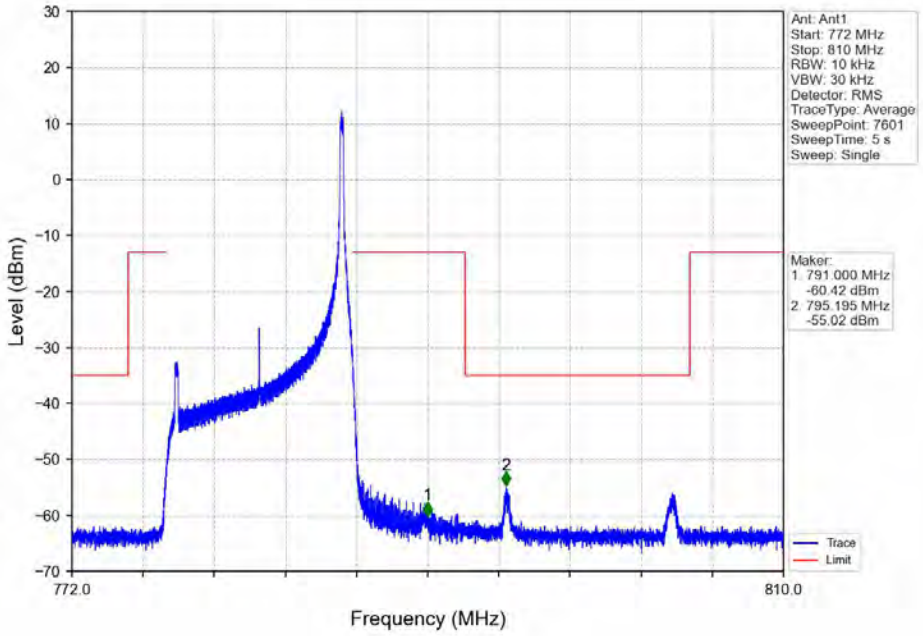



Band13_10MHz_16QAM_MCH_782MHz_RB_1_0_NTNV

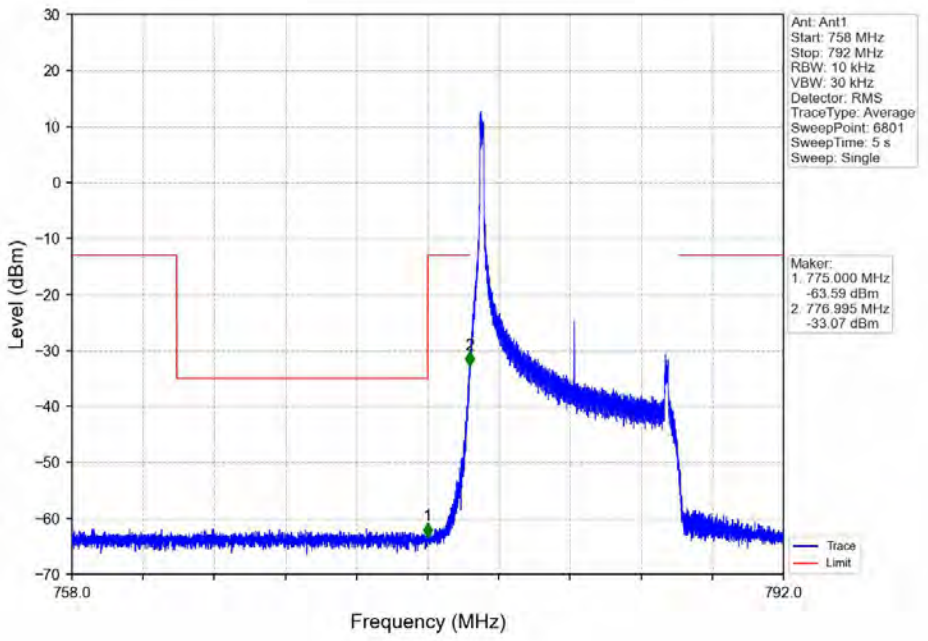



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV

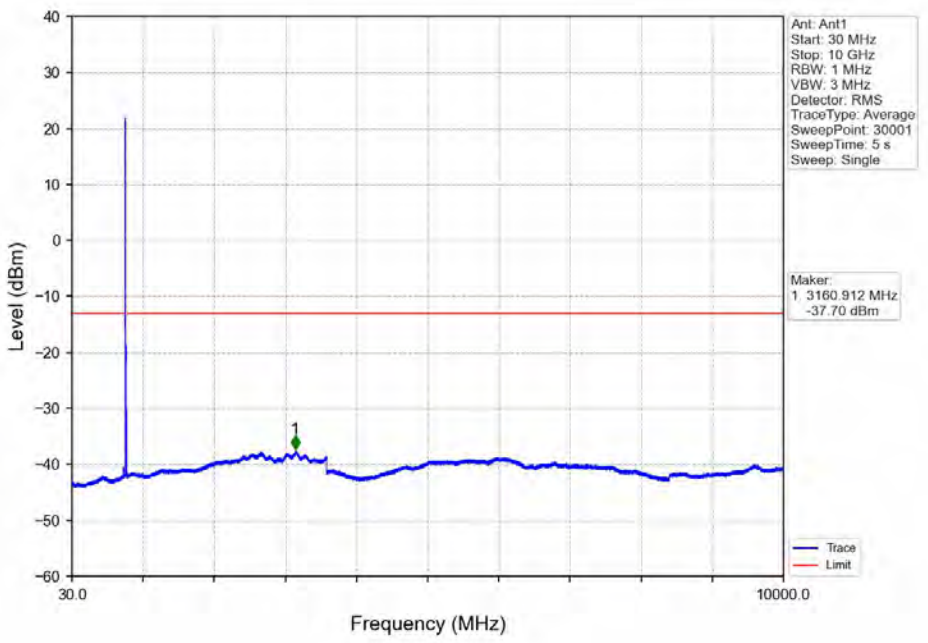
Band13_10MHz_16QAM_MCH_782MHz_RB_1_49_NTNV



Band13_10MHz_64QAM_MCH_782MHz_RB_1_0_NTNV

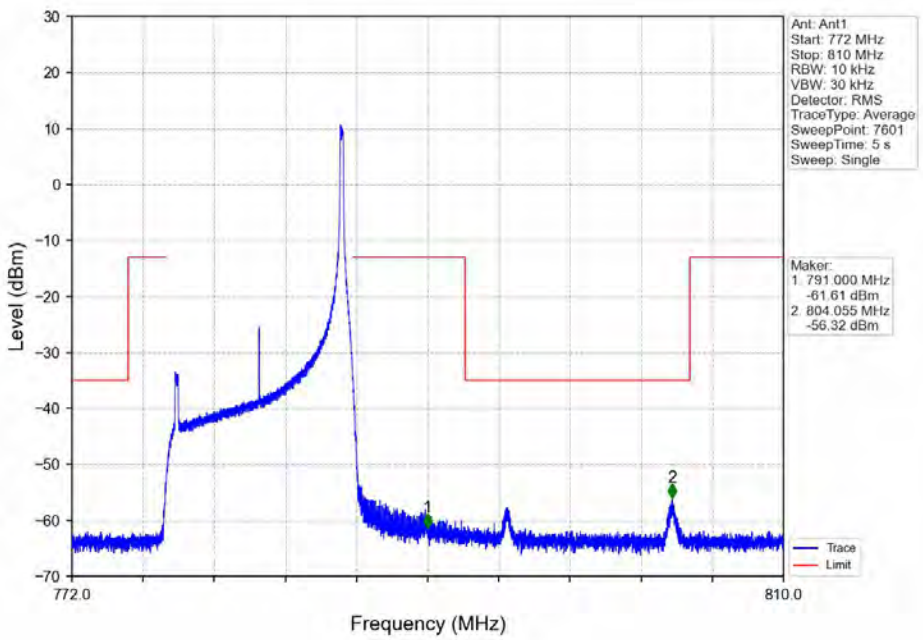



Band13_10MHz_64QAM_MCH_782MHz_RB_1_0_NTNV



Band13_10MHz_64QAM_MCH_782MHz_RB_50_0_NTNV

Band13_10MHz_64QAM_MCH_782MHz_RB_1_49_NTNV



## LTE BAND 17

## FREQUENCY STABILITY B17_5MHZ 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 | -5.99 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.62 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -9.41 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -12.95 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -17.64 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -22.02 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -27.57 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -34.13 | -0.05 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -39.20 | -0.06 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -19.73 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 3.96 | 0.01 | -2.5 to 2.5 | Pass |
| | 710 | 25 | 0 | 20 | 3.27 | 1.73 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -1.02 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -4.16 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -6.24 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -9.27 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -13.20 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -17.92 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -21.96 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -26.44 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -29.71 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -33.06 | -0.05 | -2.5 to 2.5 | Pass |
| | 713.5 | 25 | 0 | 20 | 3.27 | -0.84 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -1.82 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.09 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -3.76 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -8.05 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -7.97 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -10.67 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -11.21 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -13.79 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -16.21 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -18.02 | -0.03 | -2.5 to 2.5 | Pass |
| 16QAM | 706.5 | 25 | 0 | 20 | 3.27 | -2.67 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -8.81 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -12.10 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -14.75 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -17.84 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -19.31 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -20.94 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -22.22 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -23.20 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -24.61 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -26.24 | -0.04 | -2.5 to 2.5 | Pass |
| | 710 | 25 | 0 | 20 | 3.27 | -38.20 | -0.05 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -40.67 | -0.06 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -43.87 | -0.06 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -44.79 | -0.06 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -10.71 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -3.39 | -0.00 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 0 | 3.85 | -5.39 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -4.72 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -5.64 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.55 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -7.98 | -0.01 | -2.5 to 2.5 | Pass |
| | 713.5 | 25 | 0 | 20 | 3.27 | -24.13 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -24.62 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -24.66 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -25.05 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -25.09 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -27.07 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -25.48 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -24.30 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -24.56 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -24.08 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -25.76 | -0.04 | -2.5 to 2.5 | Pass |
| 64QAM | 706.5 | 25 | 0 | 20 | 3.27 | -26.62 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -29.04 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -28.47 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -28.64 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -27.87 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -28.07 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -28.78 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -27.34 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -26.99 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -27.64 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -26.96 | -0.04 | -2.5 to 2.5 | Pass |
| | 710 | 25 | 0 | 20 | 3.27 | -7.80 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -8.53 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -6.15 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -6.25 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.08 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -4.89 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -4.38 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -4.09 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -3.39 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -1.75 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -0.30 | -0.00 | -2.5 to 2.5 | Pass |
| | 713.5 | 25 | 0 | 20 | 3.27 | -27.94 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -25.65 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -26.26 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -25.86 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -22.39 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -23.03 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -23.57 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -20.03 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -18.85 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -14.69 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -14.48 | -0.02 | -2.5 to 2.5 | Pass |

## B17_10MHZ 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 | 6.29 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 4.22 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -0.13 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -6.67 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -13.79 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -21.87 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -30.56 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -36.52 | -0.05 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -43.09 | -0.06 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 1.83 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -4.18 | -0.01 | -2.5 to 2.5 | Pass |
| | 710 | 50 | 0 | 20 | 3.27 | -3.89 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -6.58 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -11.44 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -13.52 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -19.17 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -24.30 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -32.41 | -0.05 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -35.63 | -0.05 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -41.07 | -0.06 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -46.48 | -0.07 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -3.53 | -0.01 | -2.5 to 2.5 | Pass |
| | 711 | 50 | 0 | 20 | 3.27 | -2.29 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -6.84 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -8.61 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -12.20 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -20.43 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -26.85 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -33.36 | -0.05 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -34.13 | -0.05 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -37.62 | -0.05 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -38.51 | -0.05 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -43.45 | -0.06 | -2.5 to 2.5 | Pass |
| 16QAM | 709 | 50 | 0 | 20 | 3.27 | -8.45 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -11.82 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -13.59 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -15.38 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -18.41 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -20.24 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -19.78 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -19.57 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -19.77 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -21.44 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -21.90 | -0.03 | -2.5 to 2.5 | Pass |
| | 710 | 50 | 0 | 20 | 3.27 | -7.05 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.58 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -8.12 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -11.47 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -10.91 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -9.33 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -8.90 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -8.31 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -6.15 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.32 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -5.21 | -0.01 | -2.5 to 2.5 | Pass |
| | 711 | 50 | 0 | 20 | 3.27 | -46.08 | -0.06 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -47.26 | -0.07 | -2.5 to 2.5 | Pass |

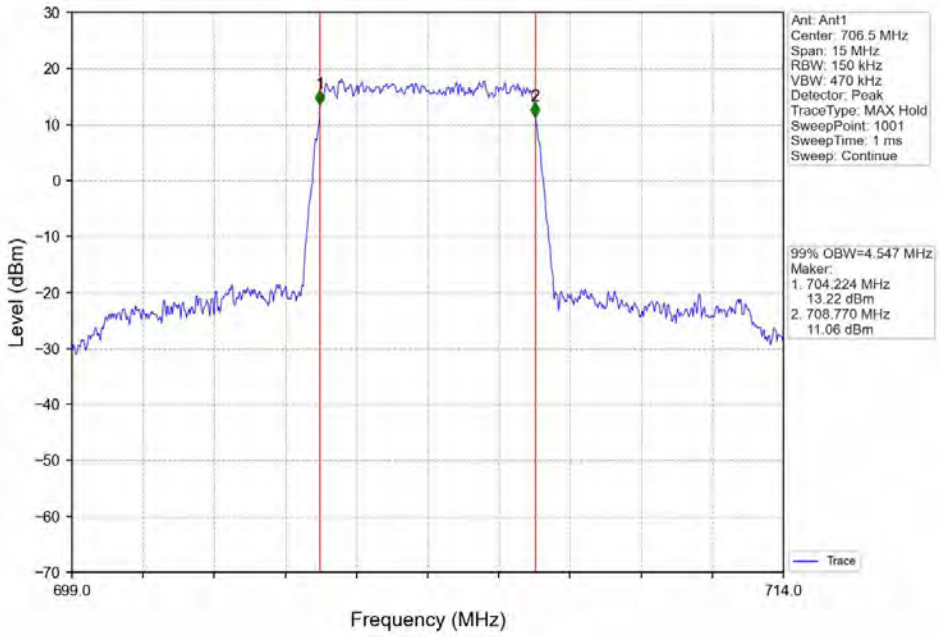
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 4.43 | -47.52 | -0.07 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -49.54 | -0.07 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -48.94 | -0.07 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -48.04 | -0.07 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -47.08 | -0.07 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -45.22 | -0.06 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -45.32 | -0.06 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -44.86 | -0.06 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -41.48 | -0.06 | -2.5 to 2.5 | Pass |
| 64QAM | 709 | 50 | 0 | 20 | 3.27 | -24.29 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -22.69 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -22.62 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -20.79 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -16.79 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -15.81 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -16.16 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -13.52 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -10.91 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -9.91 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -10.04 | -0.01 | -2.5 to 2.5 | Pass |
| | 710 | 50 | 0 | 20 | 3.27 | -3.68 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 0.34 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 3.38 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 6.31 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 8.96 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 15.44 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 19.96 | 0.03 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 24.43 | 0.03 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 26.16 | 0.04 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 32.60 | 0.05 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 31.01 | 0.04 | -2.5 to 2.5 | Pass |
| | 711 | 50 | 0 | 20 | 3.27 | -40.14 | -0.06 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -36.09 | -0.05 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -30.68 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -26.71 | -0.04 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -22.09 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -20.56 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -15.28 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -13.00 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -8.73 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -6.27 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -4.48 | -0.01 | -2.5 to 2.5 | Pass |

## 99% & 26DB BANDWIDTH 99%_OBW TEST RESULT

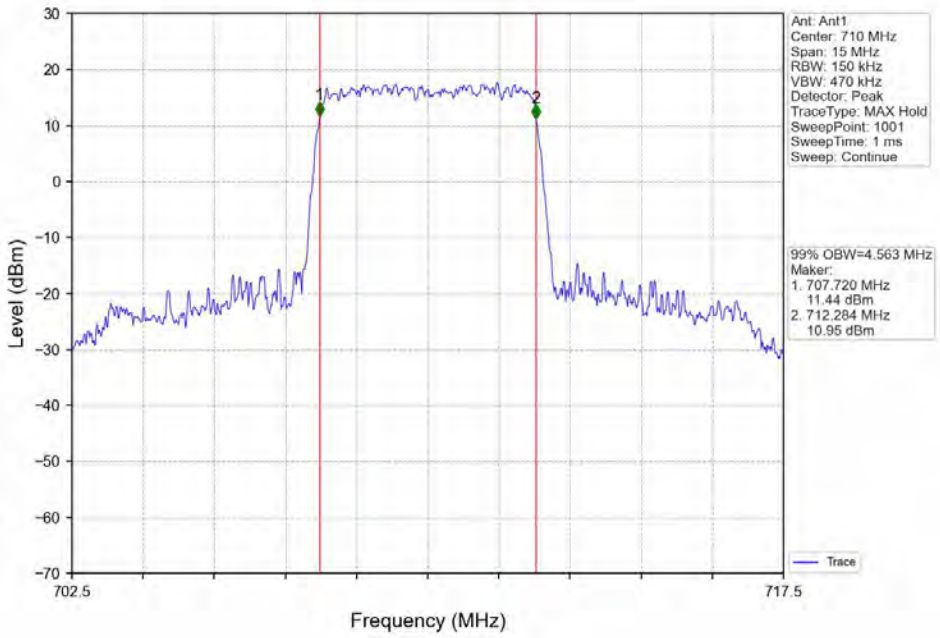
| Band: 17 / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | Verdict |
| | | | Size | Offset | Result | |
| 5 | QPSK | 706.5 | 25 | 0 | 4.547 | Pass |
| | | 710 | 25 | 0 | 4.563 | Pass |
| | | 713.5 | 25 | 0 | 4.540 | Pass |
| | 16QAM | 706.5 | 25 | 0 | 4.563 | Pass |
| | | 710 | 25 | 0 | 4.575 | Pass |
| | | 713.5 | 25 | 0 | 4.542 | Pass |
| | 64QAM | 706.5 | 25 | 0 | 4.555 | Pass |
| | | 710 | 25 | 0 | 4.562 | Pass |
| | | 713.5 | 25 | 0 | 4.551 | Pass |
| 10 | QPSK | 709 | 50 | 0 | 9.089 | Pass |
| | | 710 | 50 | 0 | 9.064 | Pass |
| | | 711 | 50 | 0 | 9.084 | Pass |
| | 16QAM | 709 | 50 | 0 | 9.069 | Pass |
| | | 710 | 50 | 0 | 9.098 | Pass |
| | | 711 | 50 | 0 | 9.062 | Pass |
| | 64QAM | 709 | 50 | 0 | 9.096 | Pass |
| | | 710 | 50 | 0 | 9.055 | Pass |
| | | 711 | 50 | 0 | 9.055 | Pass |

## TEST GRAPH

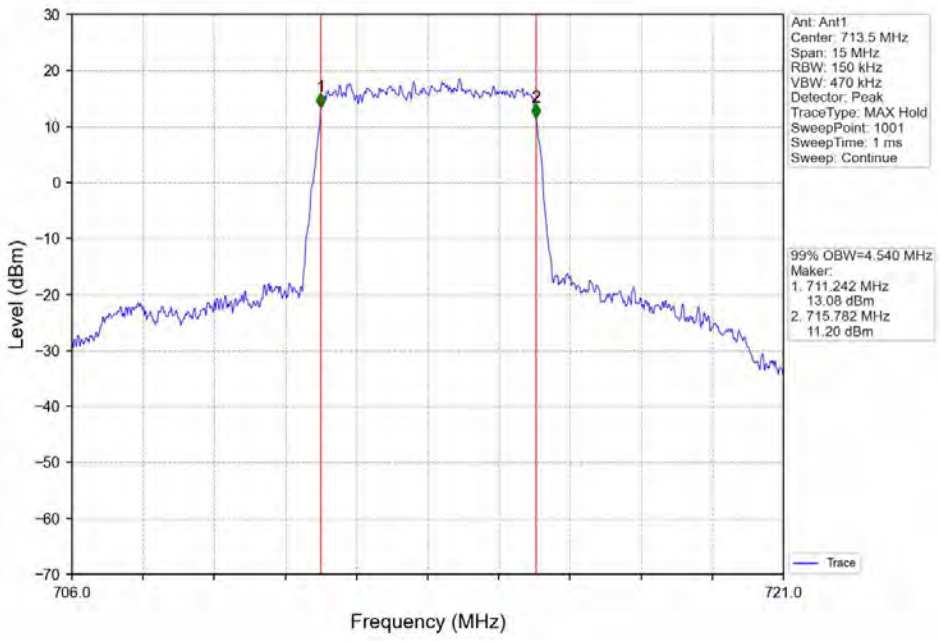
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



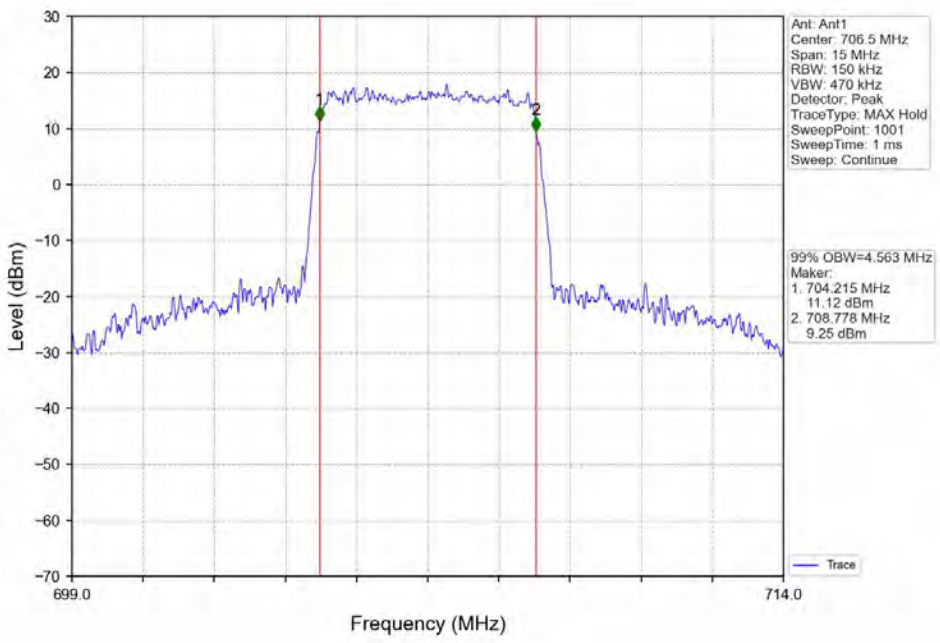

Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



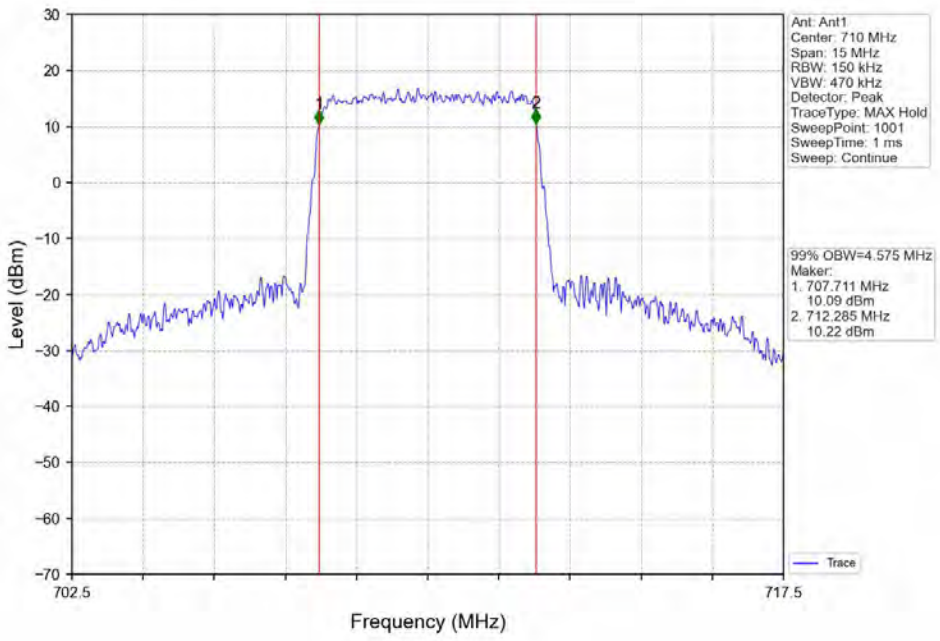
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



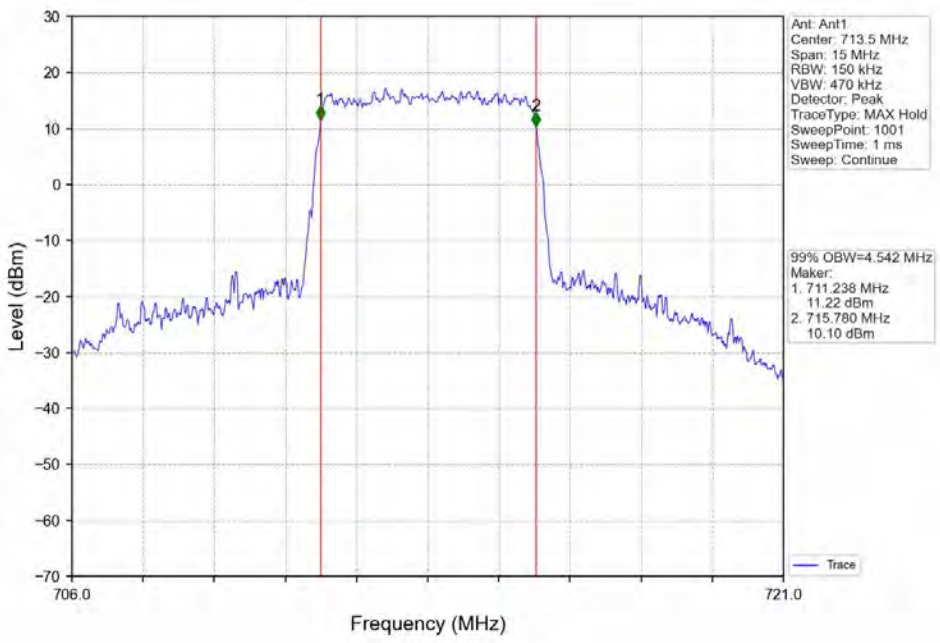

Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



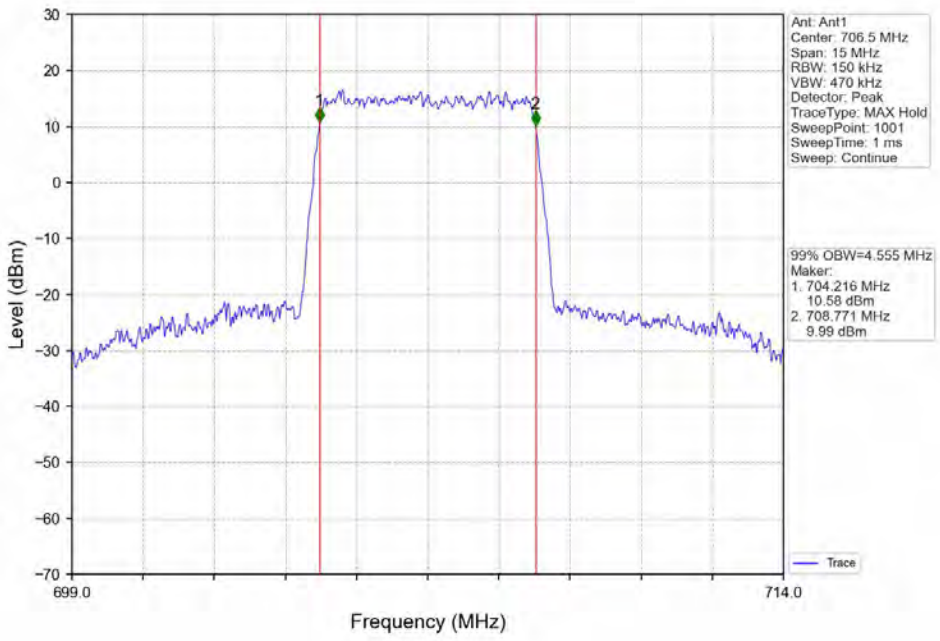
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



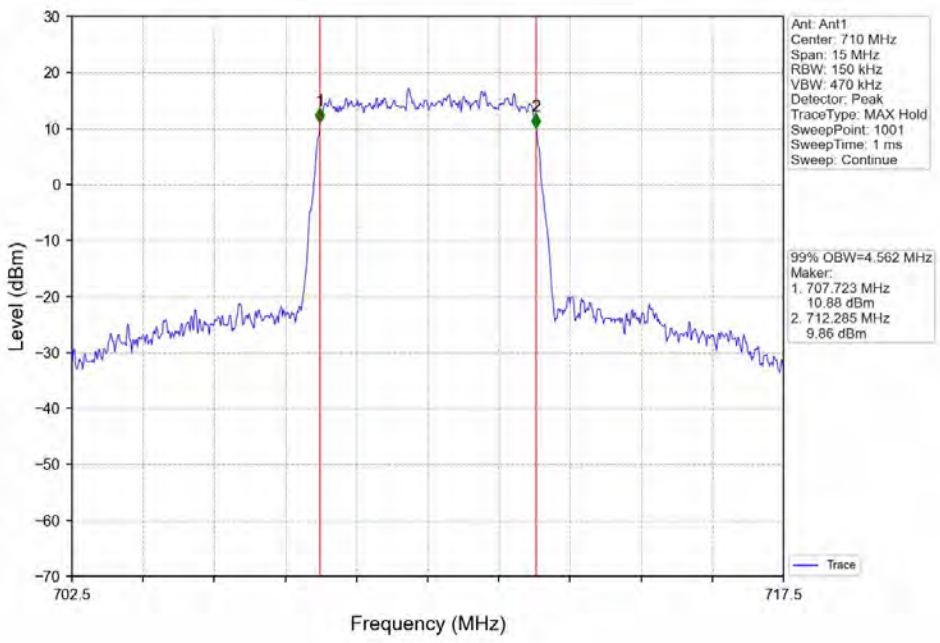

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



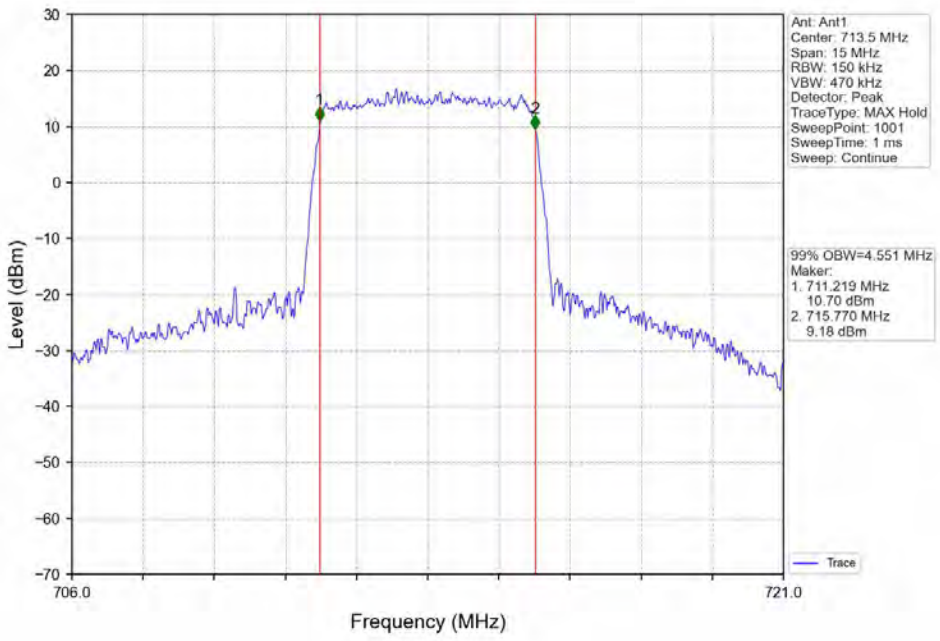
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV



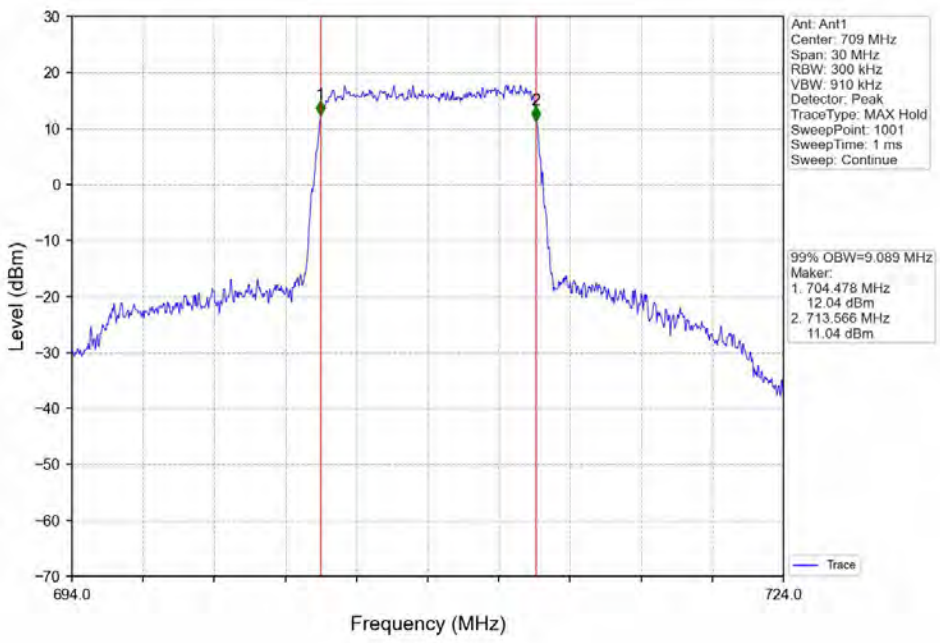

Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



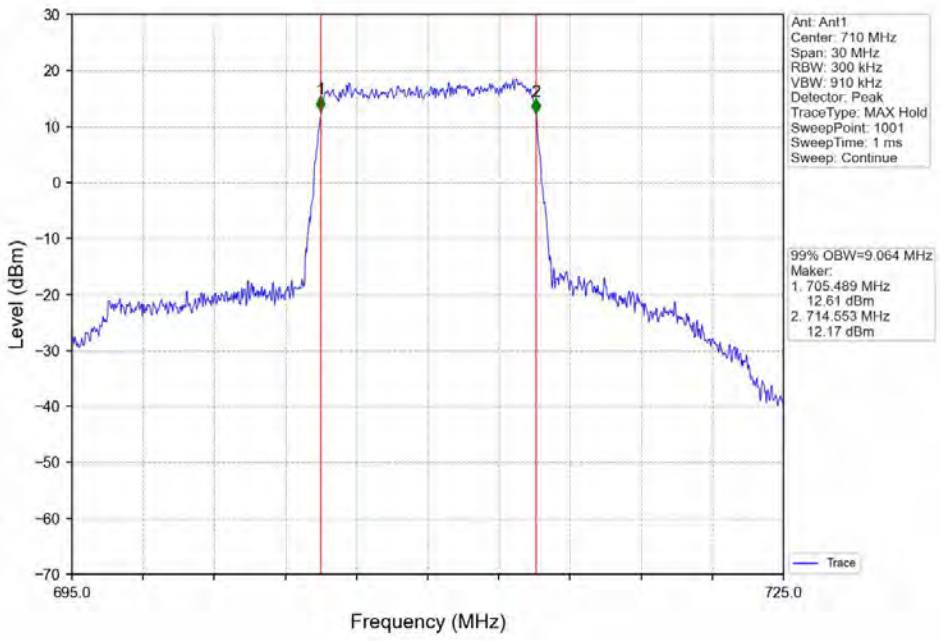
Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



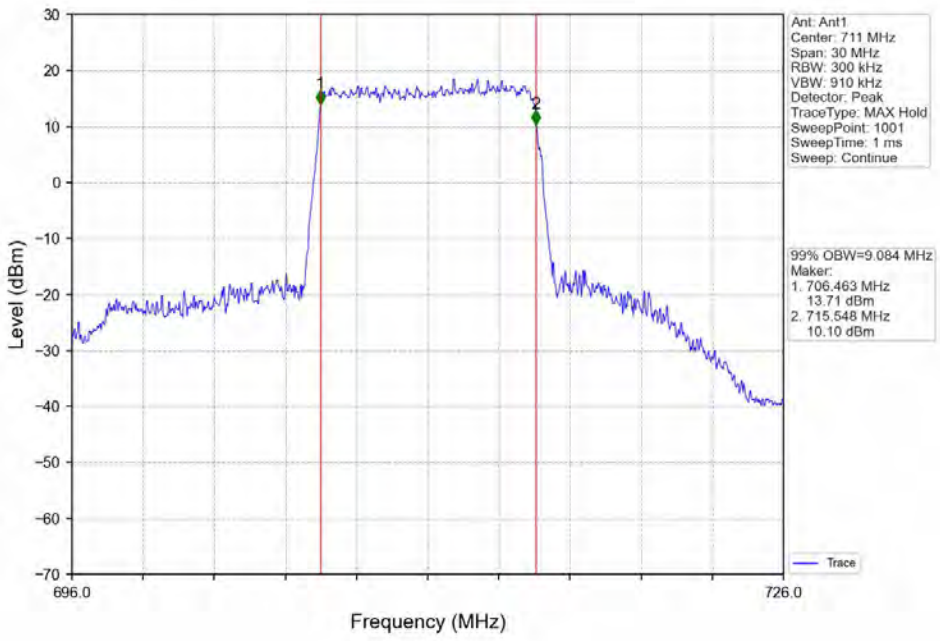

Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



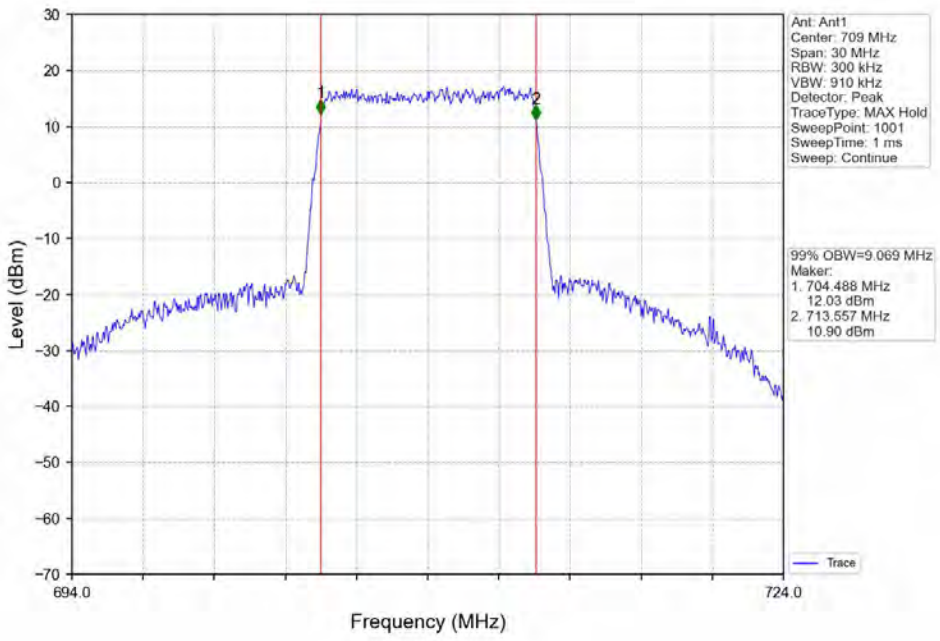
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



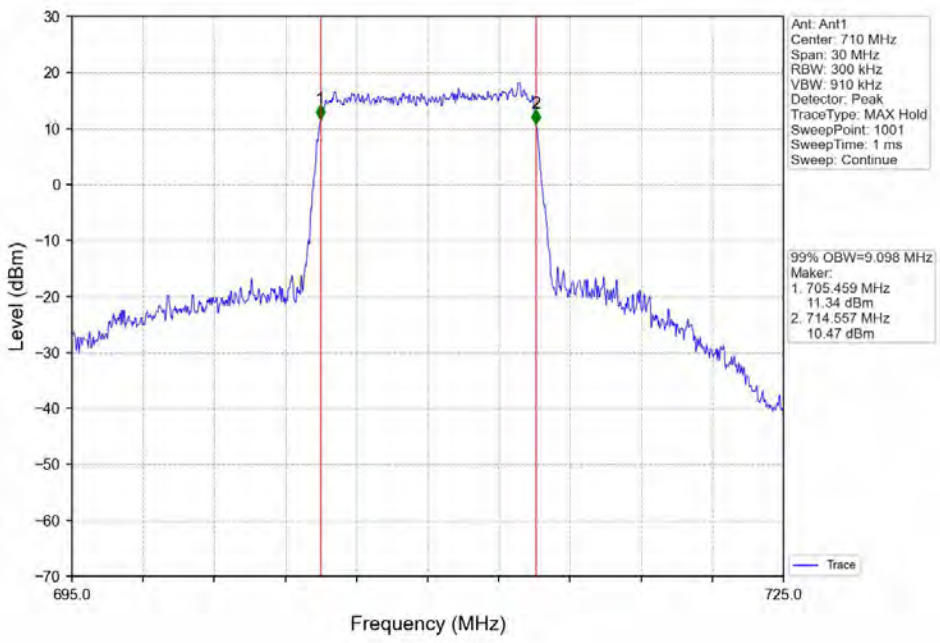

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



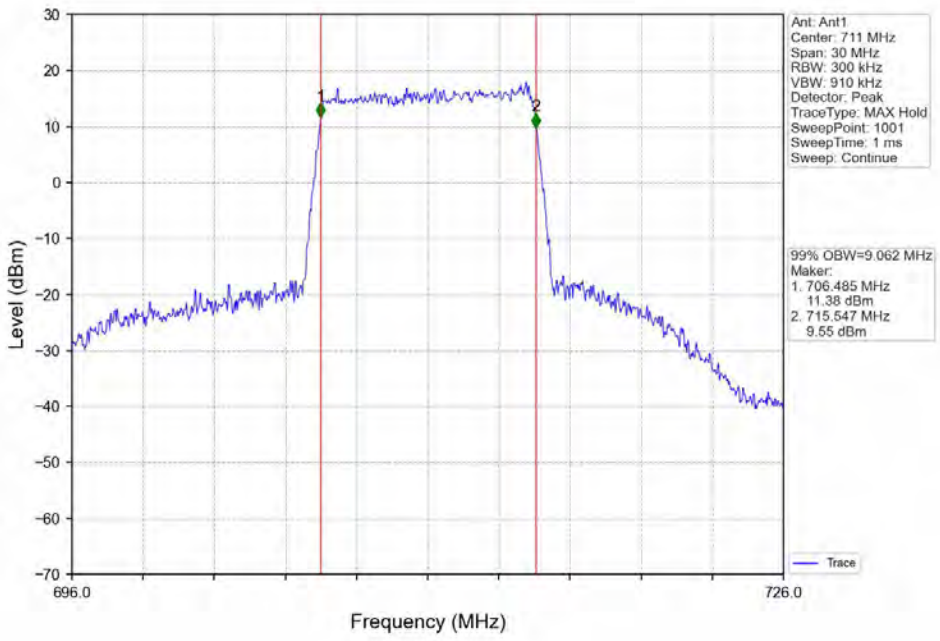
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



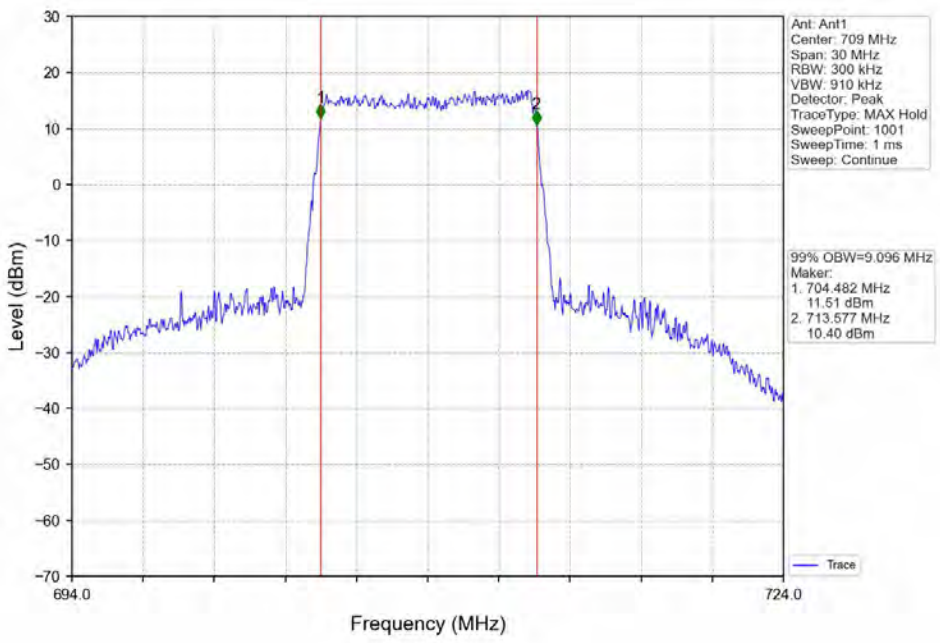

Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



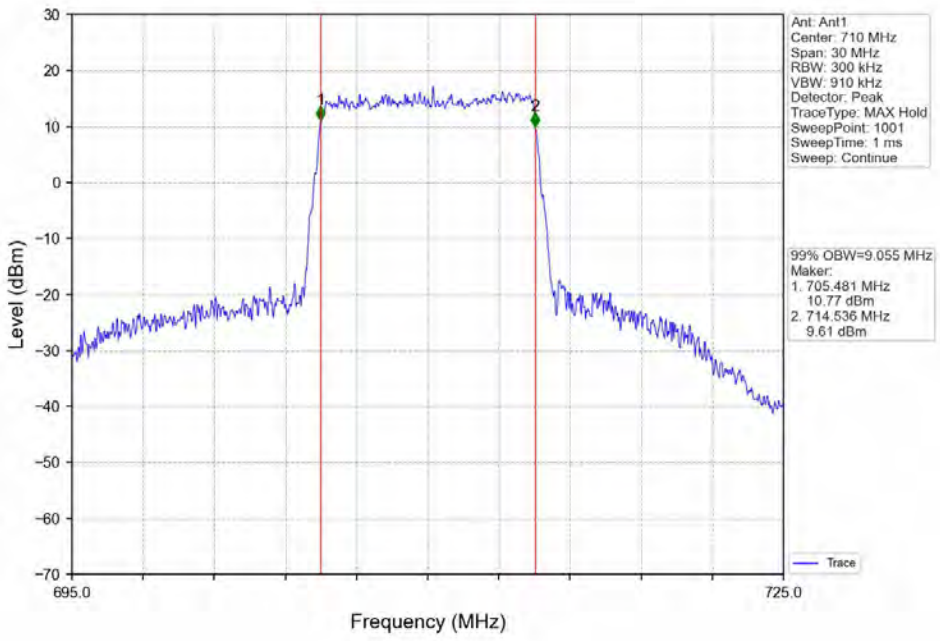
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



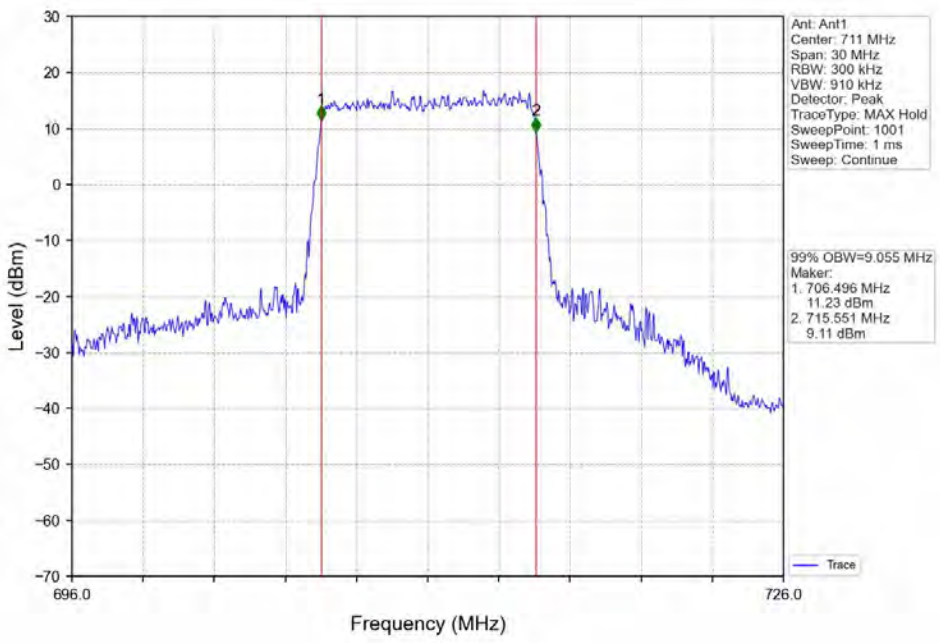

Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_64QAM_MCH_710MHz_RB_50_0_NTNV




Band17_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV

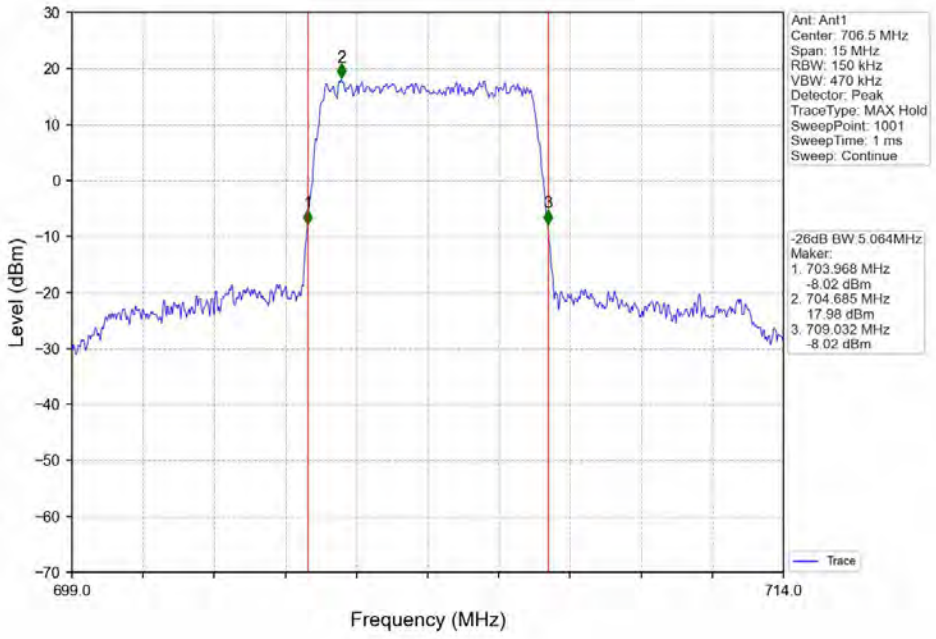


## 26DB_OBW TEST RESULT

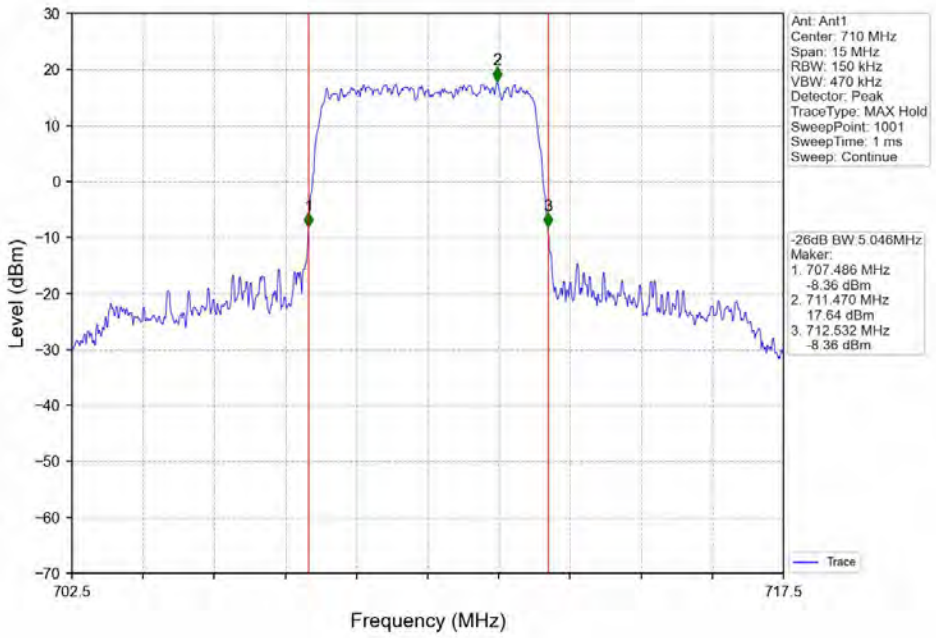
| Band: 17 / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | Verdict |
| | | | Size | Offset | Result | |
| 5 | QPSK | 706.5 | 25 | 0 | 5.064 | Pass |
| | | 710 | 25 | 0 | 5.046 | Pass |
| | | 713.5 | 25 | 0 | 5.008 | Pass |
| | 16QAM | 706.5 | 25 | 0 | 5.040 | Pass |
| | | 710 | 25 | 0 | 5.063 | Pass |
| | | 713.5 | 25 | 0 | 5.045 | Pass |
| | 64QAM | 706.5 | 25 | 0 | 5.072 | Pass |
| | | 710 | 25 | 0 | 5.047 | Pass |
| | | 713.5 | 25 | 0 | 5.041 | Pass |
| 10 | QPSK | 709 | 50 | 0 | 10.051 | Pass |
| | | 710 | 50 | 0 | 10.036 | Pass |
| | | 711 | 50 | 0 | 10.047 | Pass |
| | 16QAM | 709 | 50 | 0 | 10.029 | Pass |
| | | 710 | 50 | 0 | 10.002 | Pass |
| | | 711 | 50 | 0 | 10.011 | Pass |
| | 64QAM | 709 | 50 | 0 | 10.058 | Pass |
| | | 710 | 50 | 0 | 10.060 | Pass |
| | | 711 | 50 | 0 | 10.033 | Pass |

## TEST GRAPH

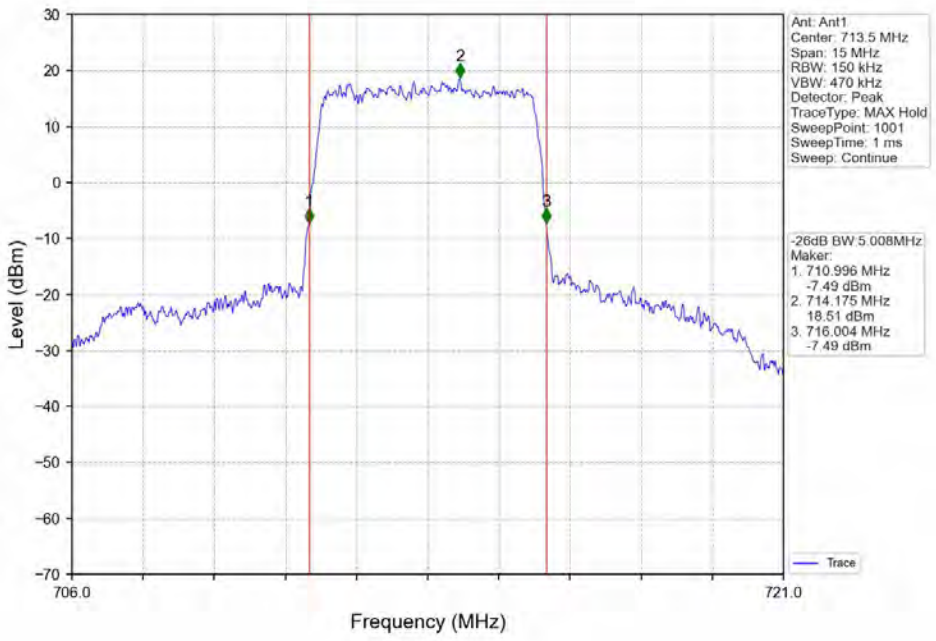
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



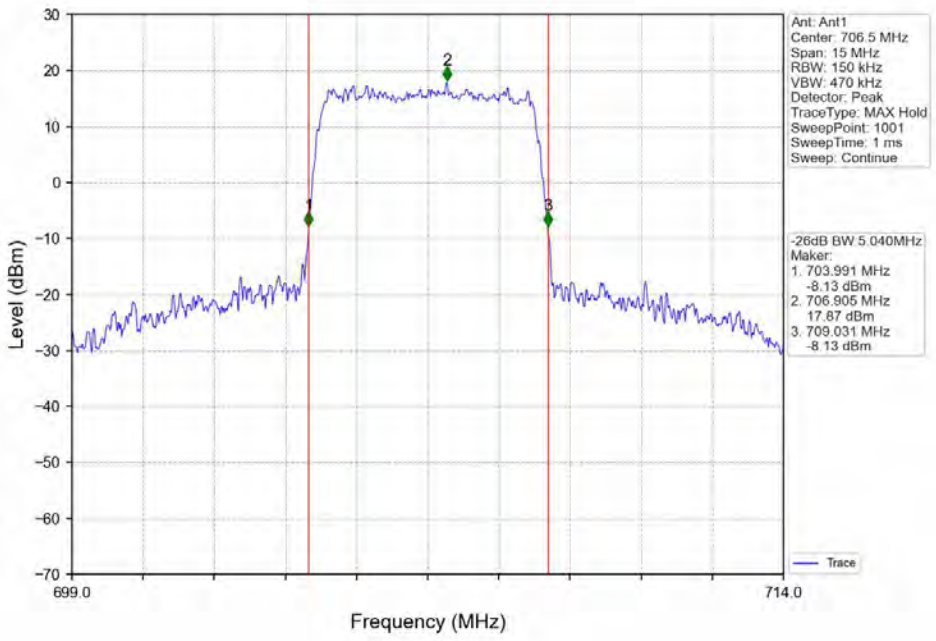

Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



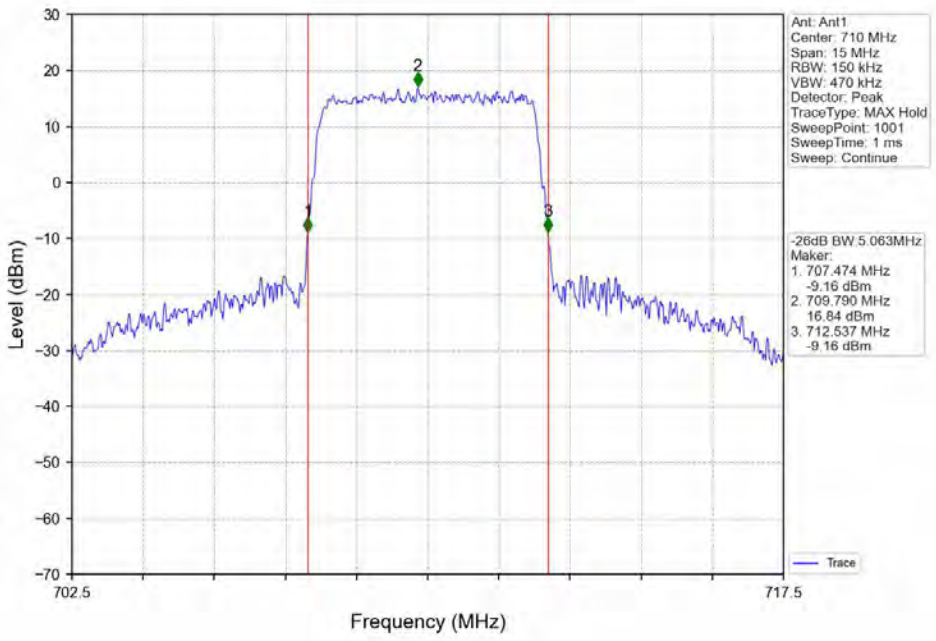
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



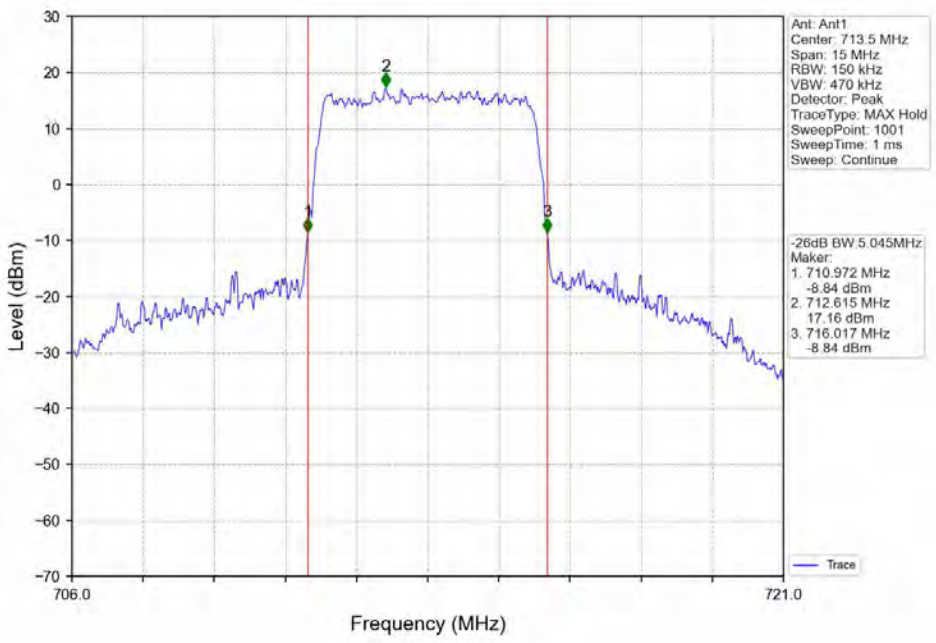

Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



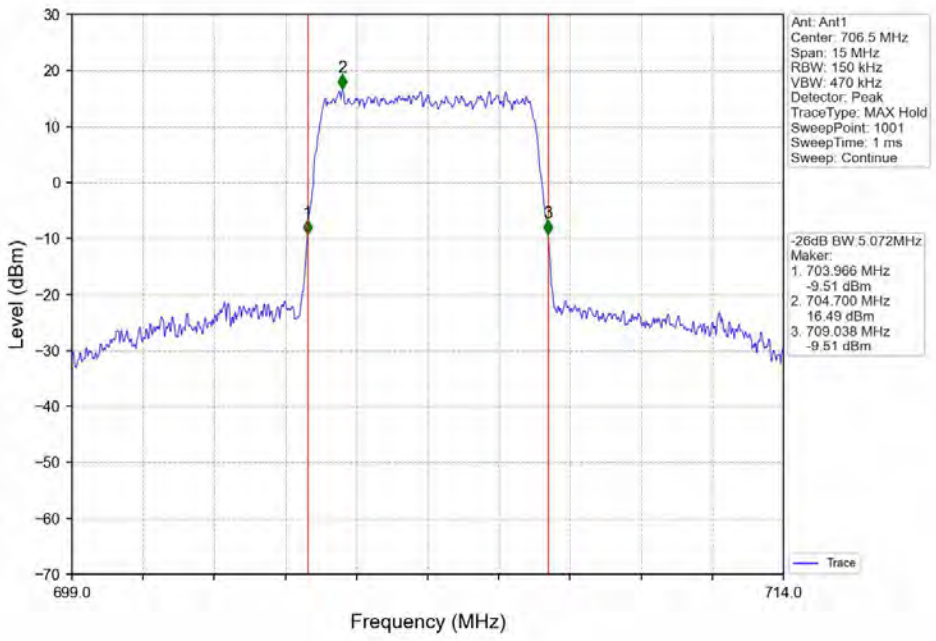
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



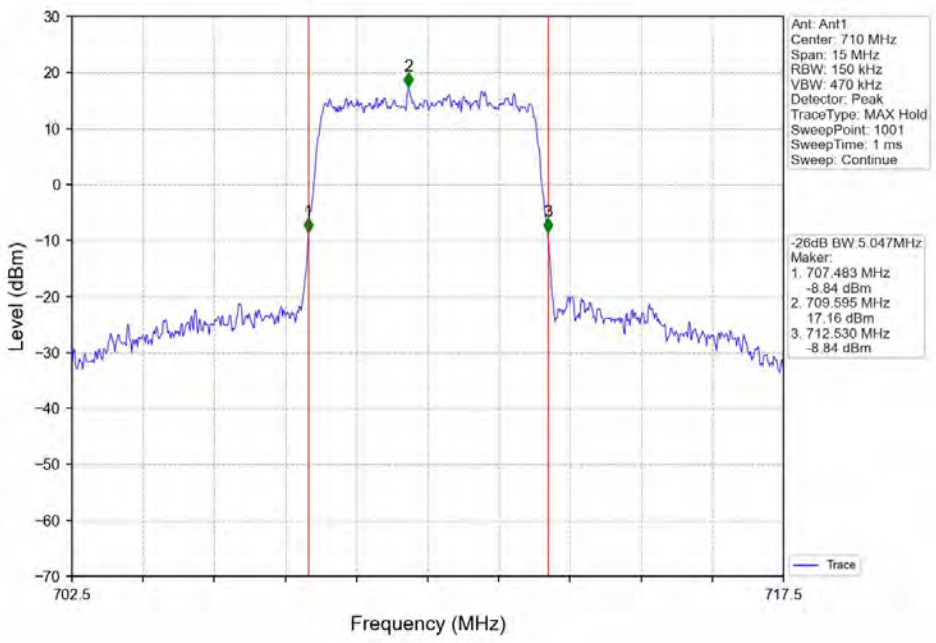

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



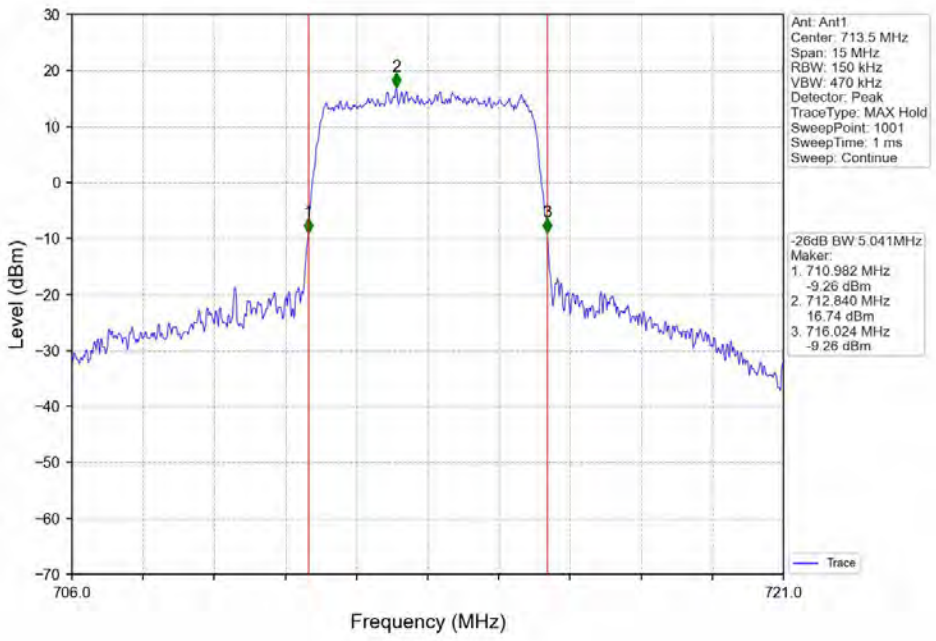
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV



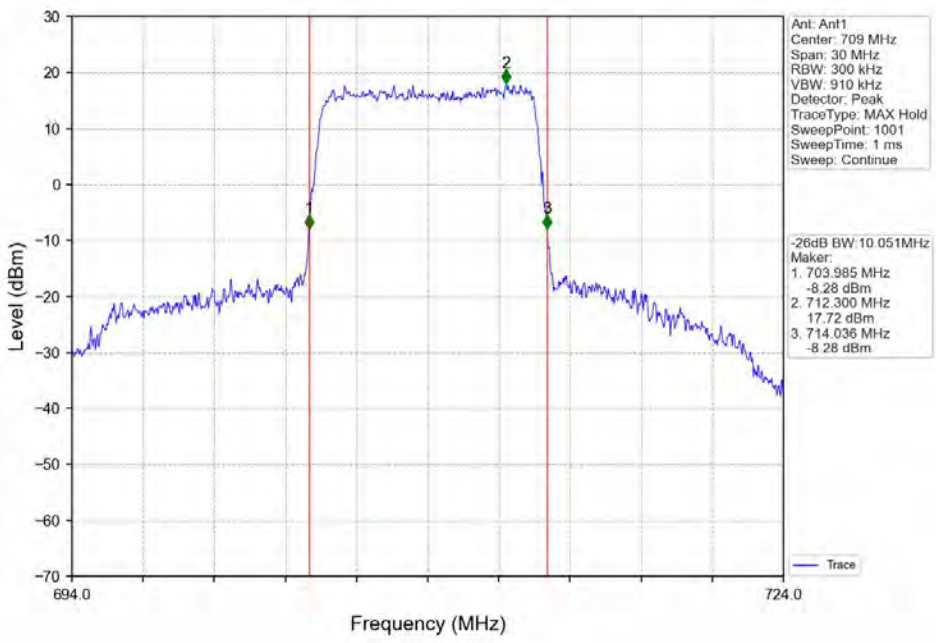

Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



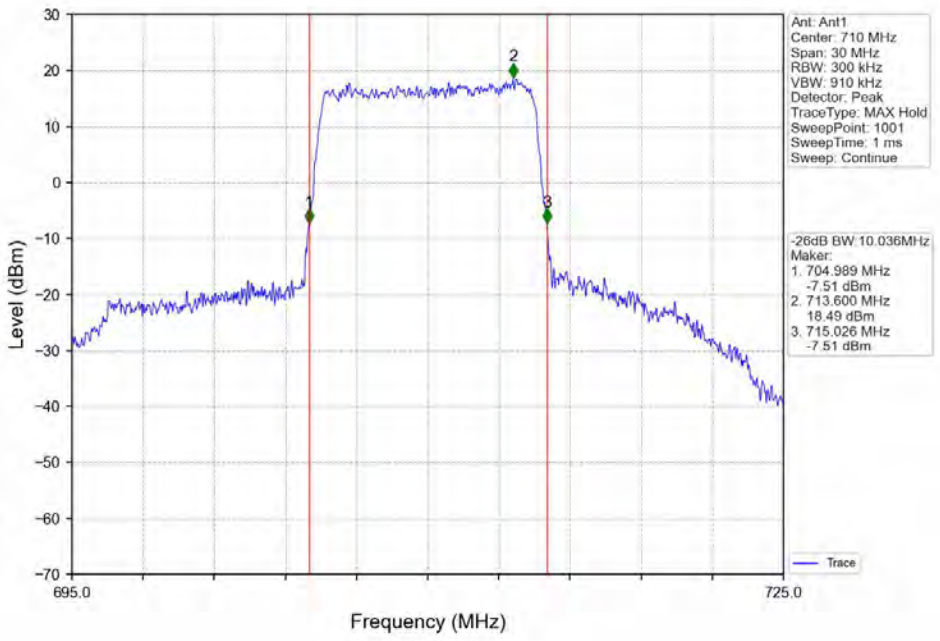
Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



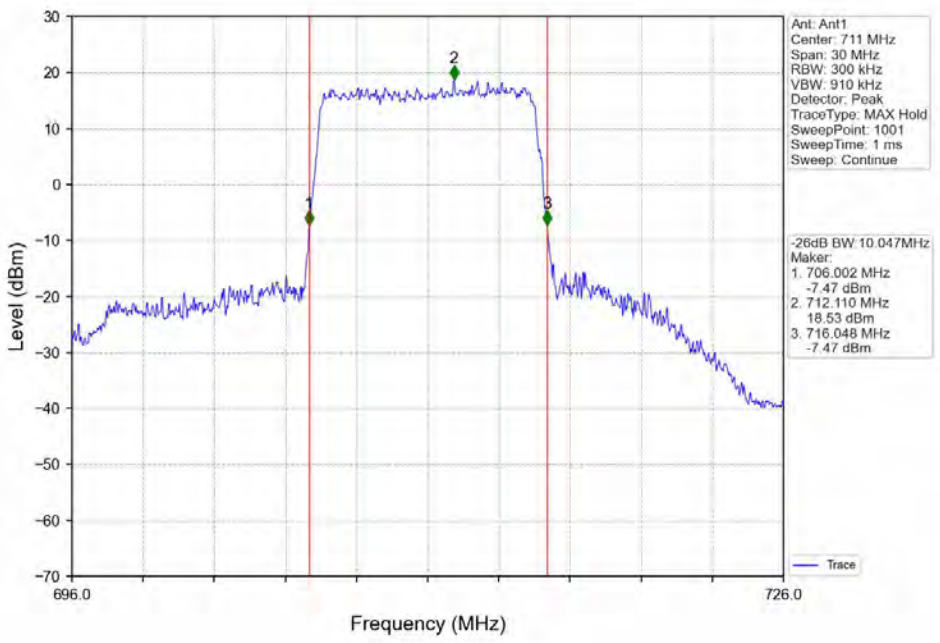

Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



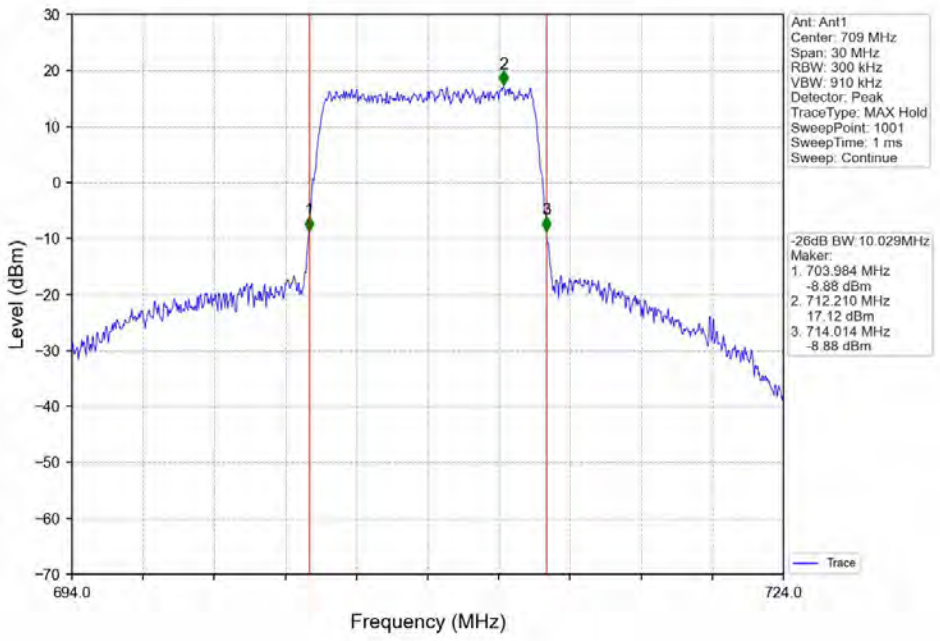
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



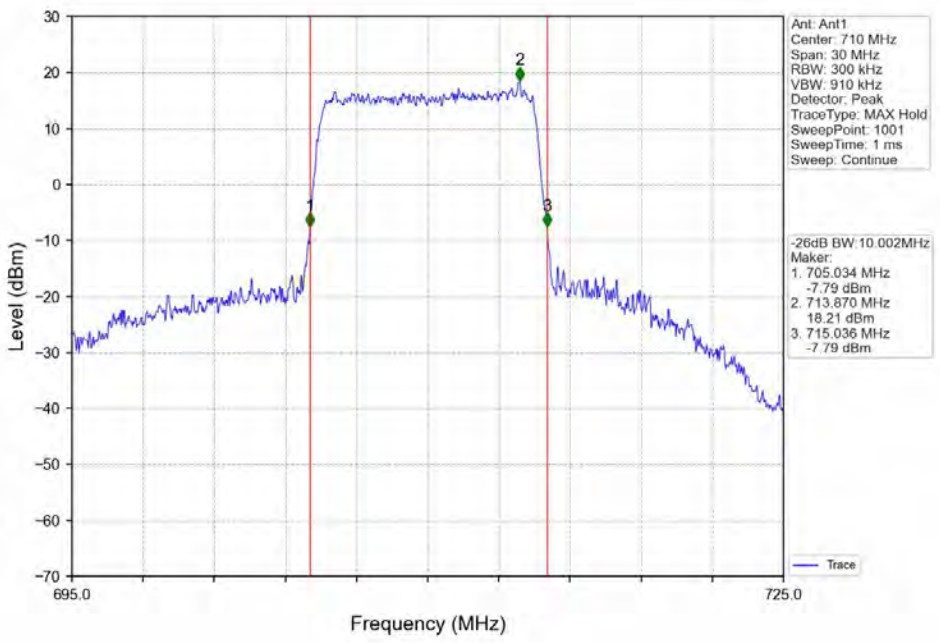

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



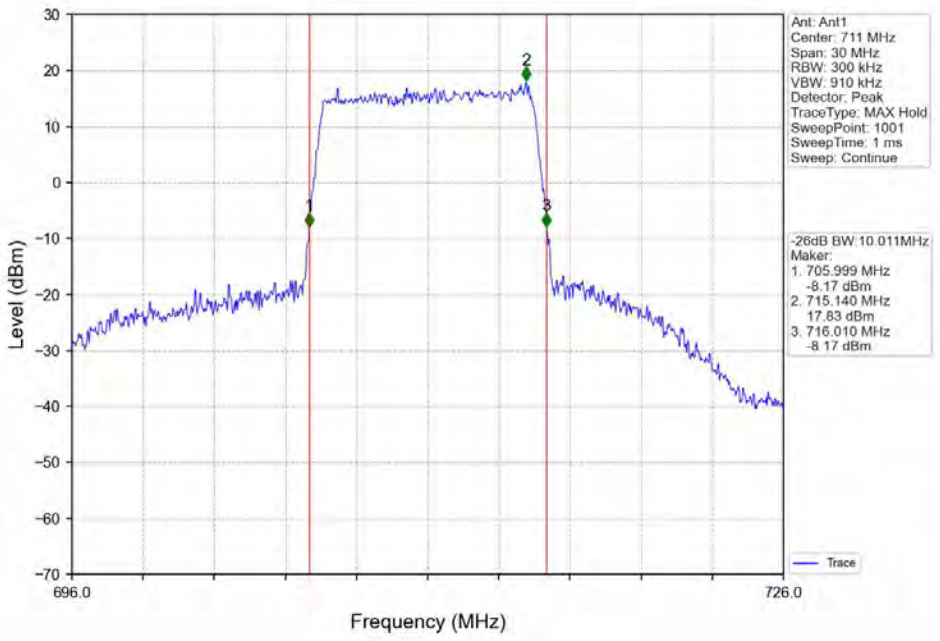
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



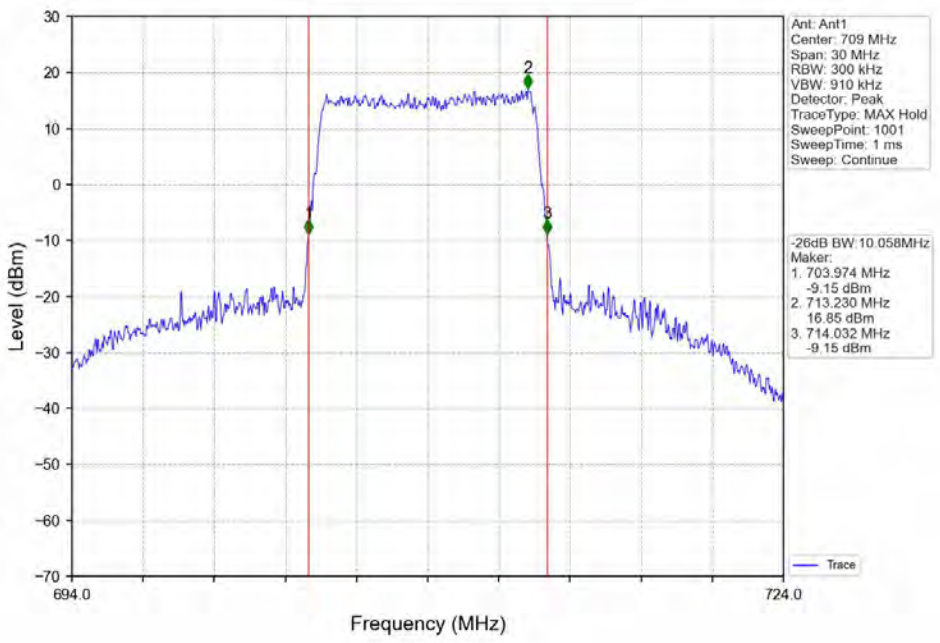

Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



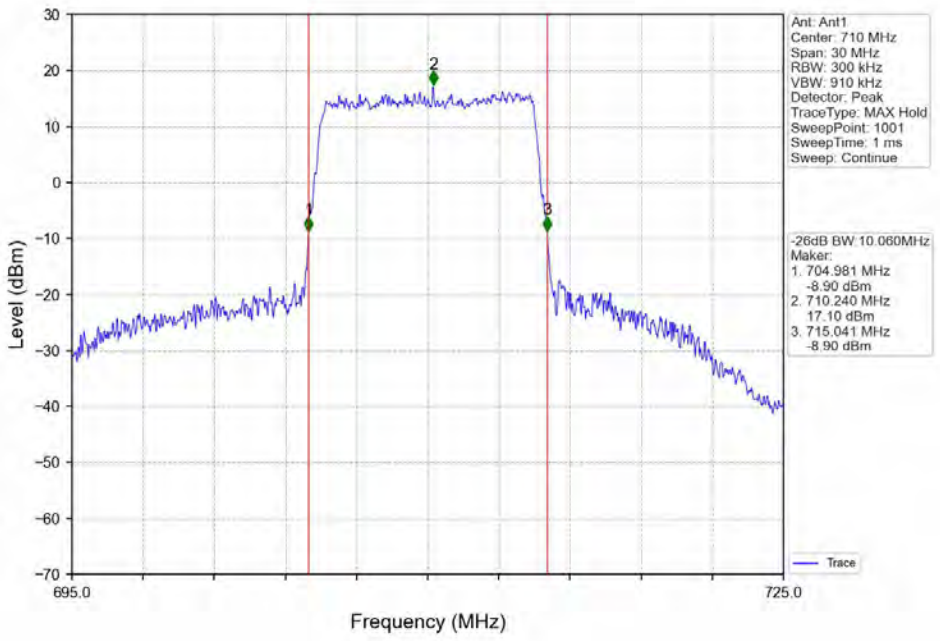
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



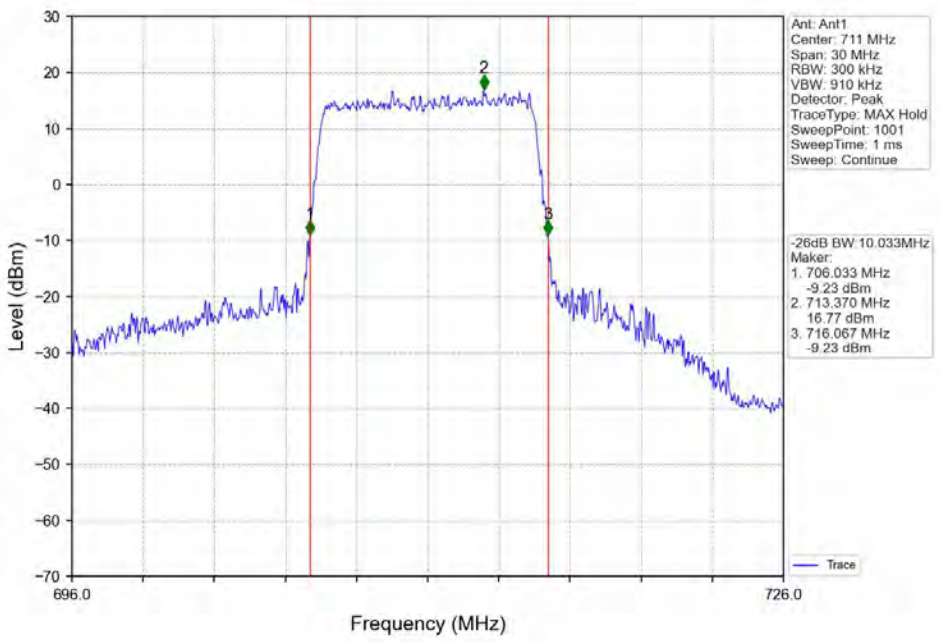

Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_64QAM_MCH_710MHz_RB_50_0_NTNV




Band17_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV

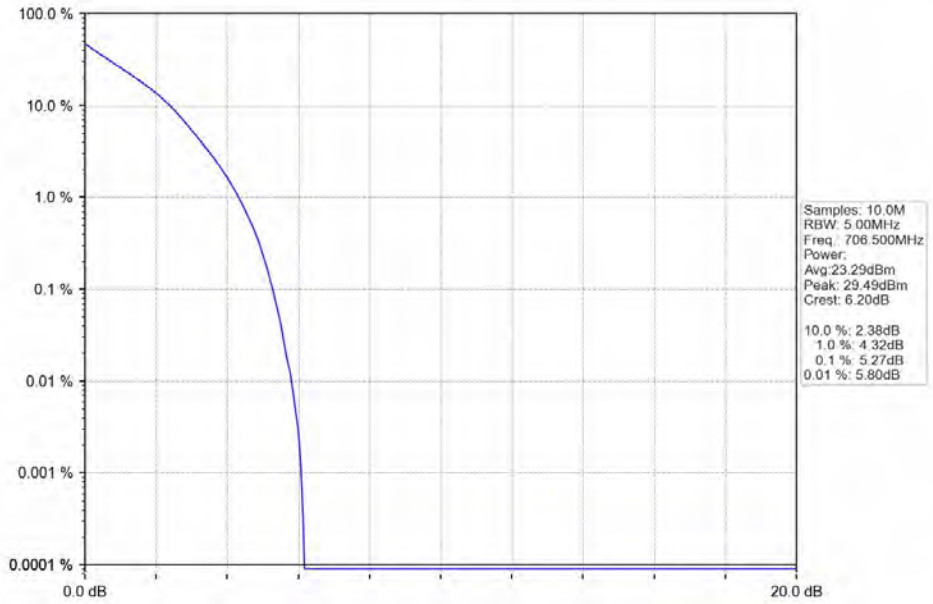


## PEAK-AVERAGE RATIO B17_5MHZ TEST RESULT

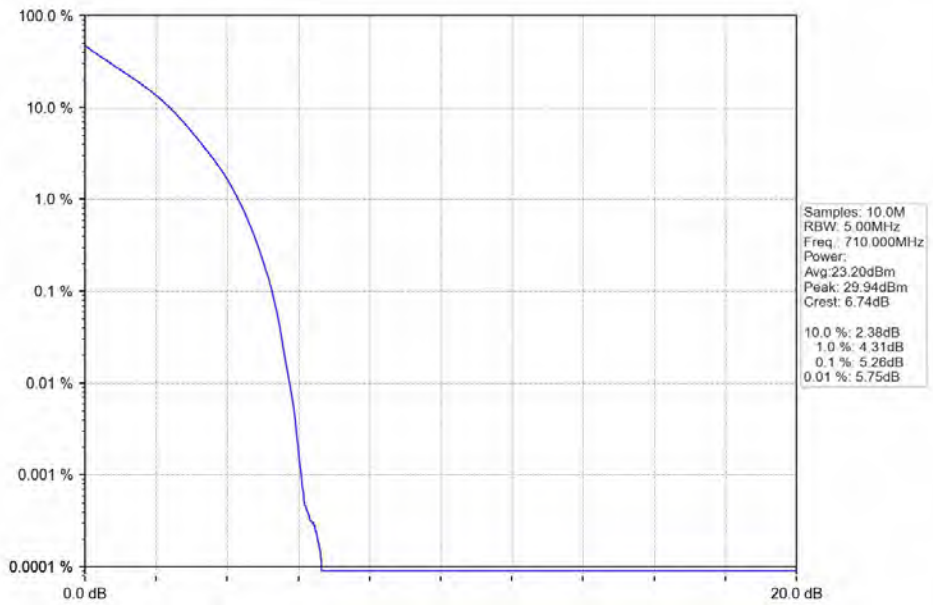
| Band: 17 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 706.5 | 25 | 0 | 5.27 | <=13 | Pass |
| | 710 | 25 | 0 | 5.26 | <=13 | Pass |
| | 713.5 | 25 | 0 | 5.02 | <=13 | Pass |
| 16QAM | 706.5 | 25 | 0 | 6.02 | <=13 | Pass |
| | 710 | 25 | 0 | 5.99 | <=13 | Pass |
| | 713.5 | 25 | 0 | 5.78 | <=13 | Pass |
| 64QAM | 706.5 | 25 | 0 | 6.40 | <=13 | Pass |
| | 710 | 25 | 0 | 6.41 | <=13 | Pass |
| | 713.5 | 25 | 0 | 6.29 | <=13 | Pass |

## TEST GRAPH

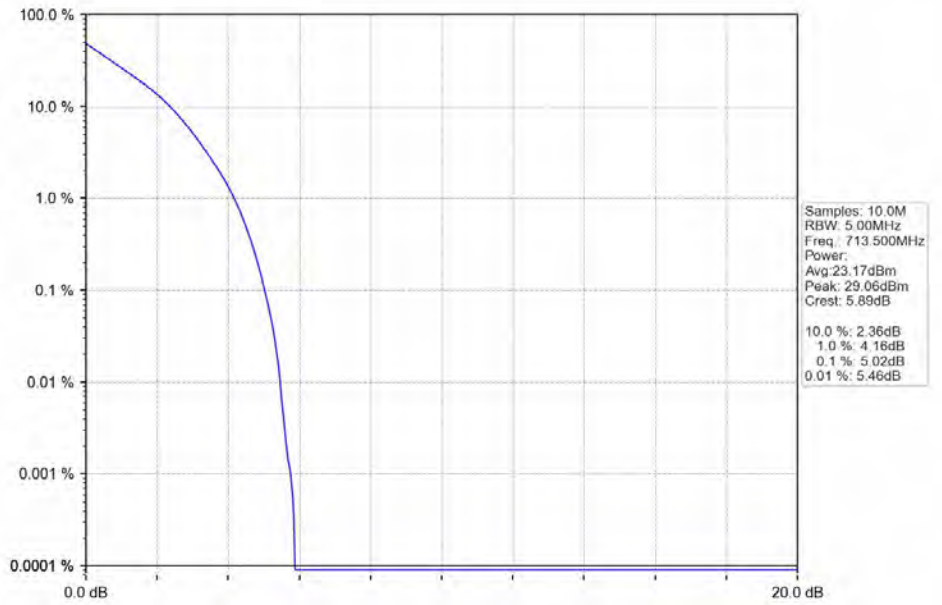
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



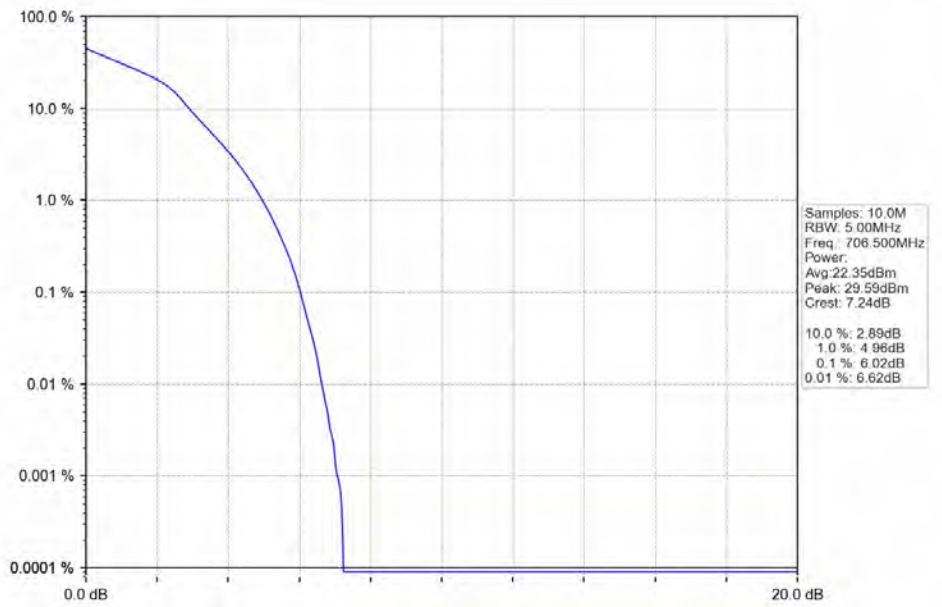

Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



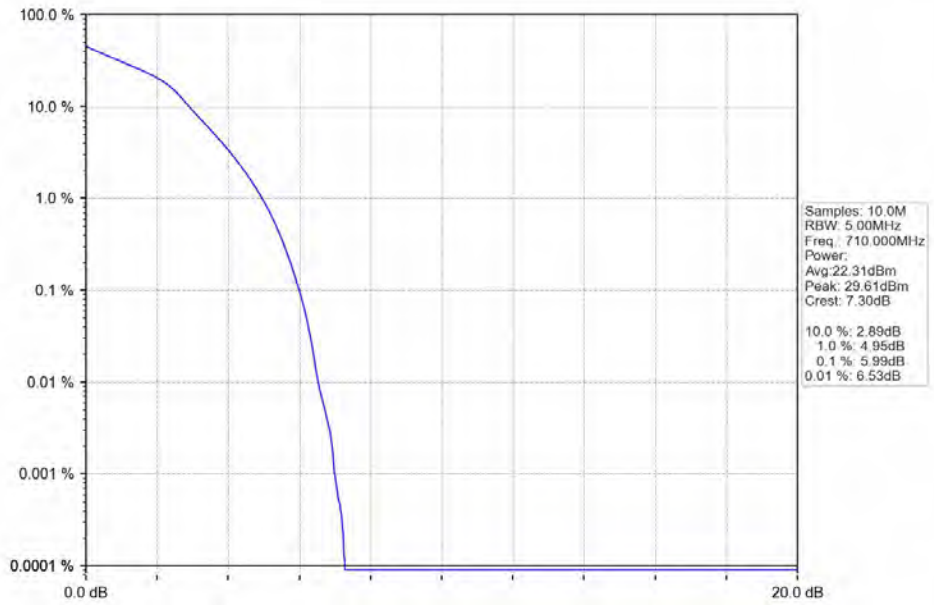
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



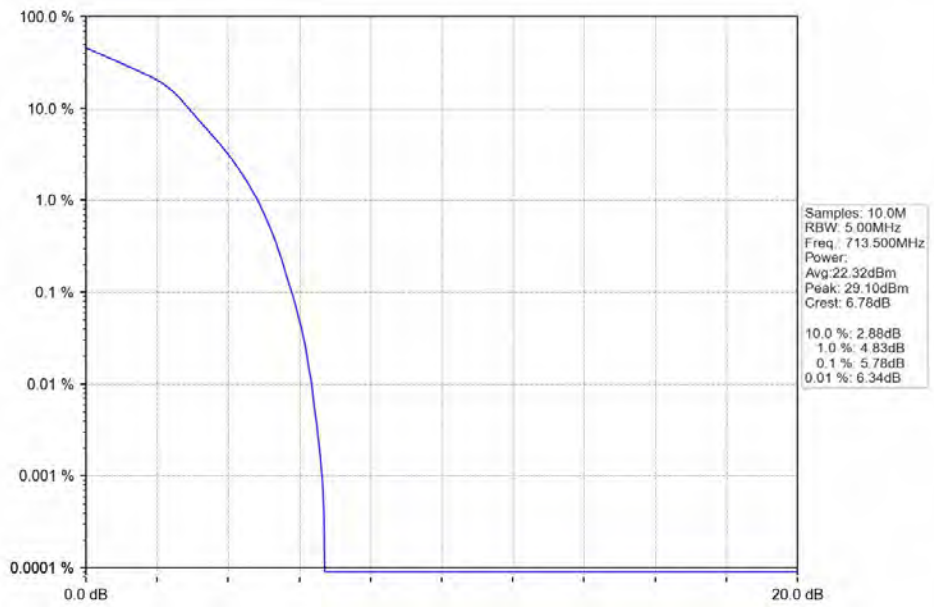

Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



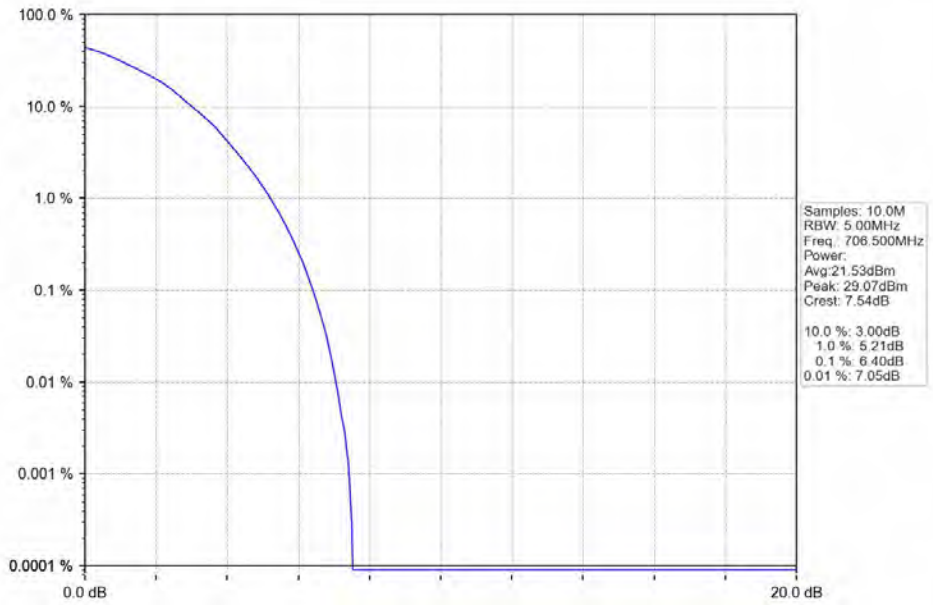
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



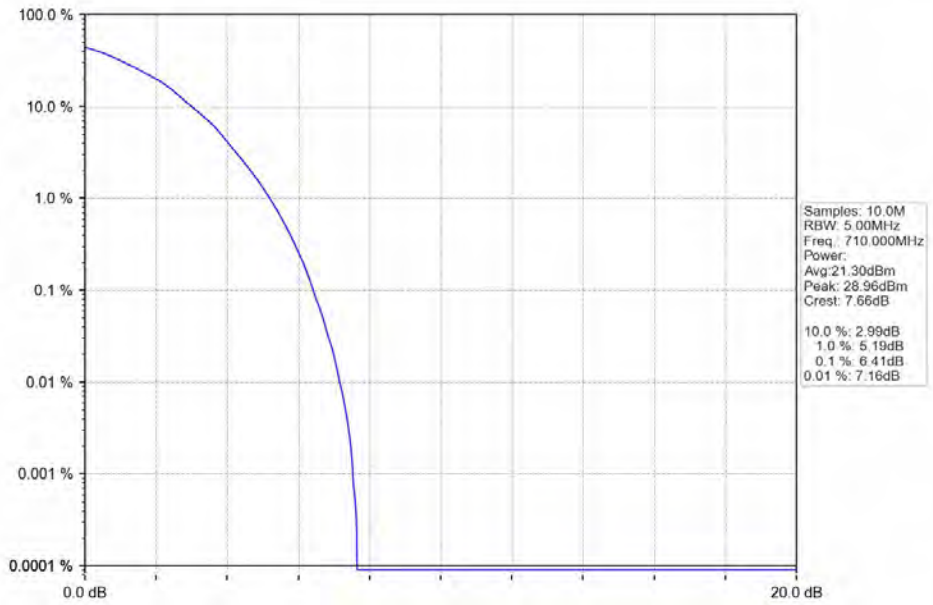

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



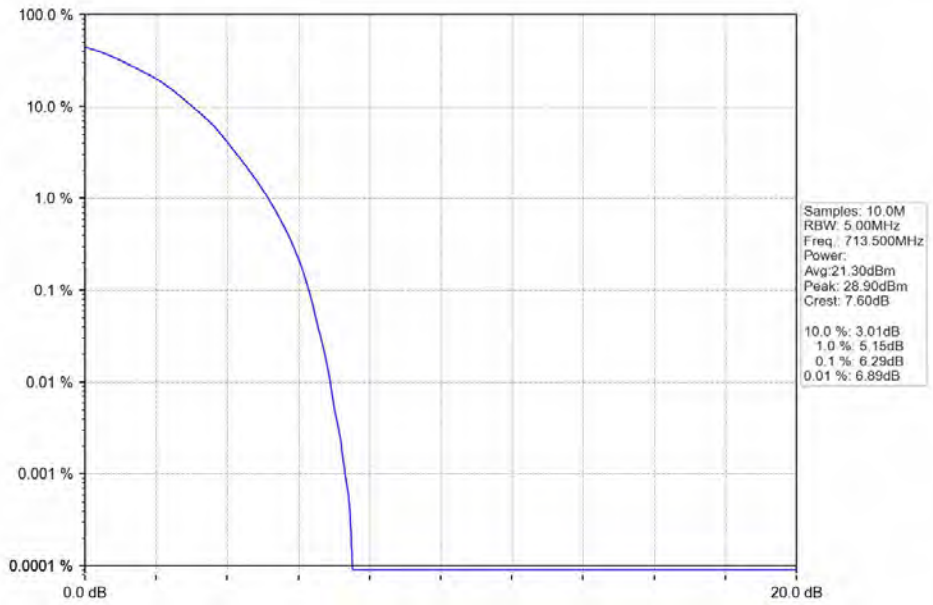
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV




Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV

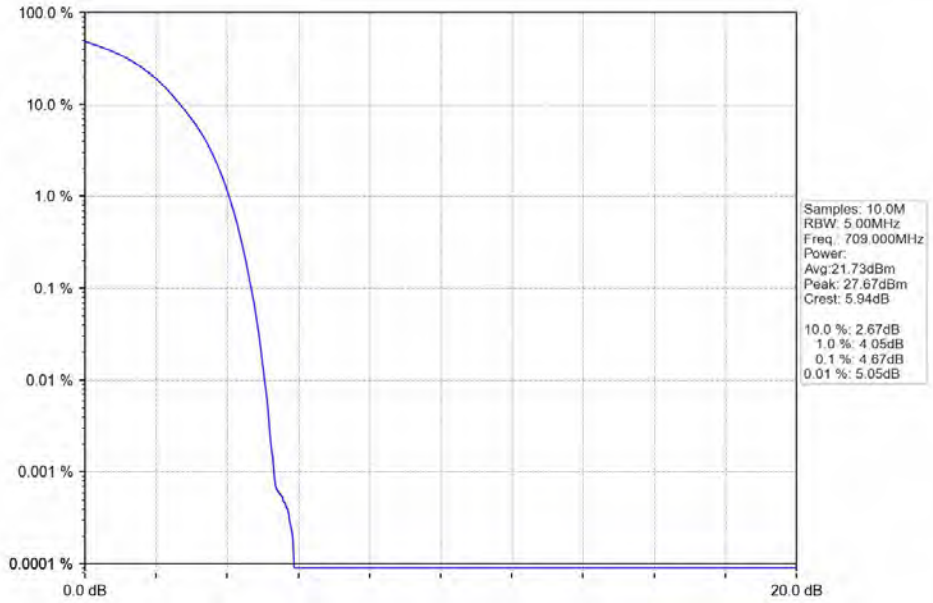


## B17_10MHZ TEST RESULT

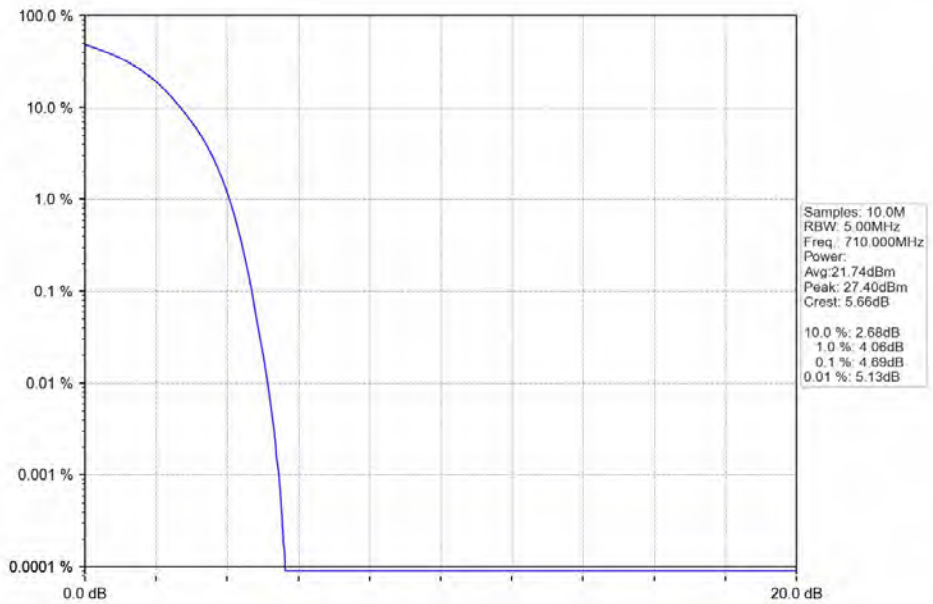
| Band: 17 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 709 | 50 | 0 | 4.67 | <=13 | Pass |
| | 710 | 50 | 0 | 4.69 | <=13 | Pass |
| | 711 | 50 | 0 | 4.64 | <=13 | Pass |
| 16QAM | 709 | 50 | 0 | 6.10 | <=13 | Pass |
| | 710 | 50 | 0 | 6.05 | <=13 | Pass |
| | 711 | 50 | 0 | 6.09 | <=13 | Pass |
| 64QAM | 709 | 50 | 0 | 6.41 | <=13 | Pass |
| | 710 | 50 | 0 | 6.42 | <=13 | Pass |
| | 711 | 50 | 0 | 6.43 | <=13 | Pass |

## TEST GRAPH

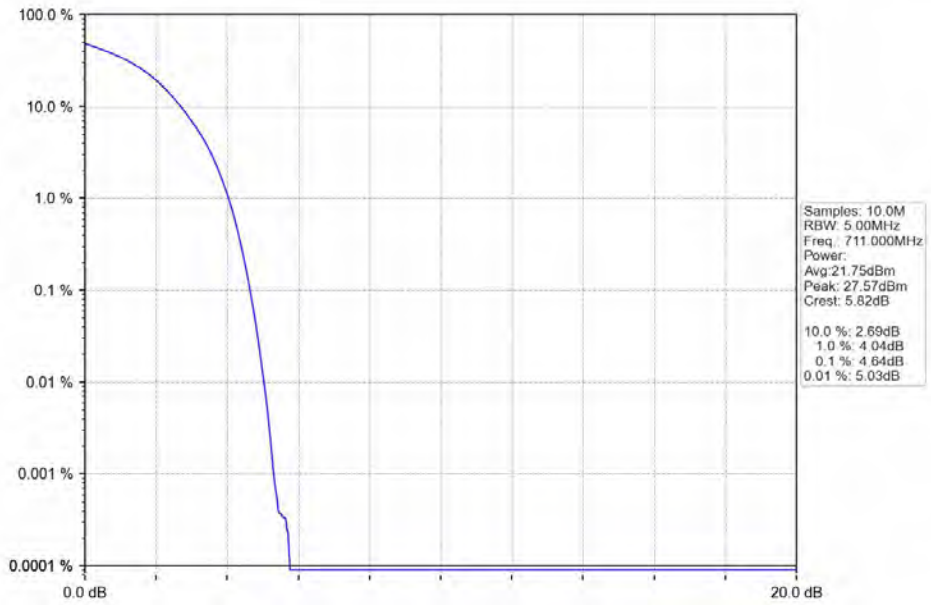
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



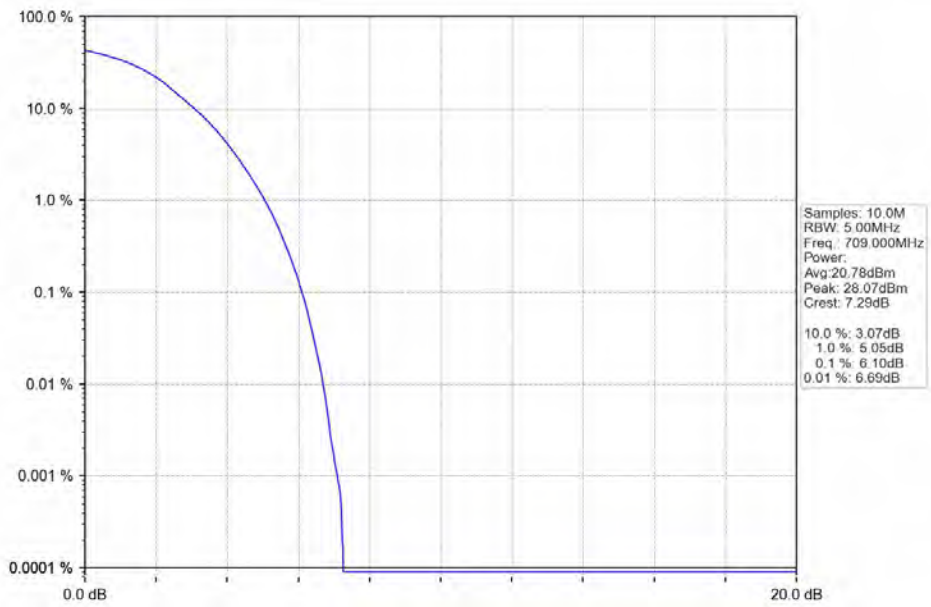

Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



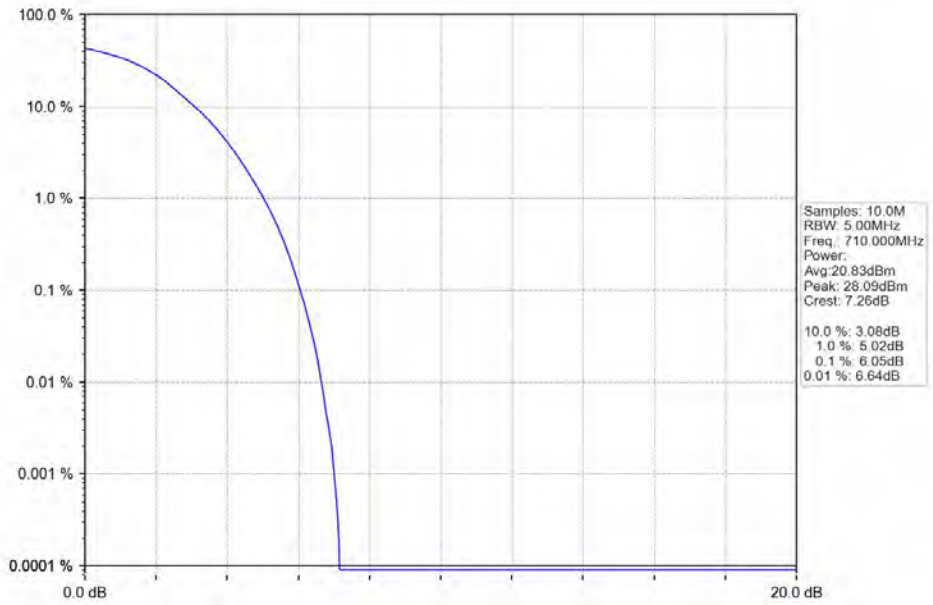
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



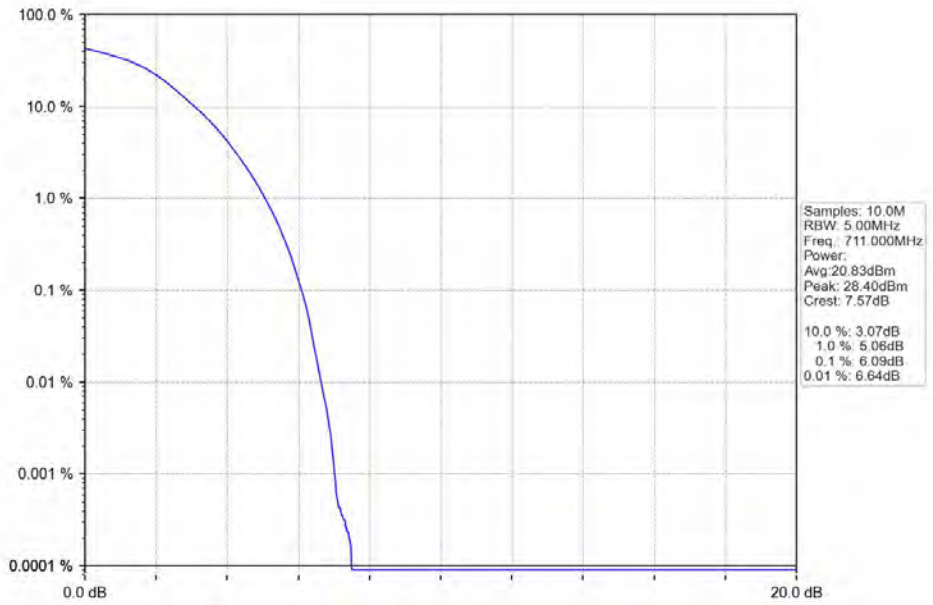

Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



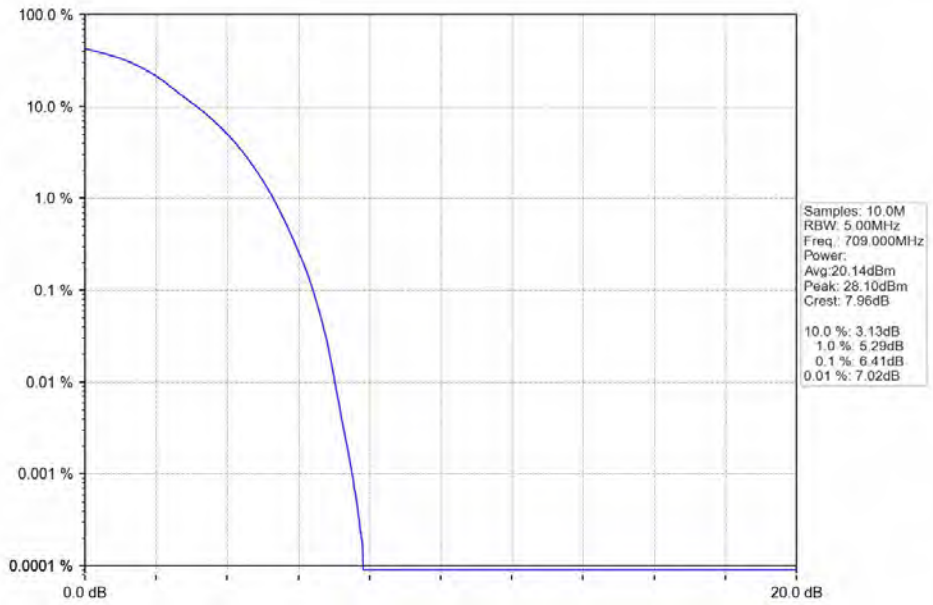
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



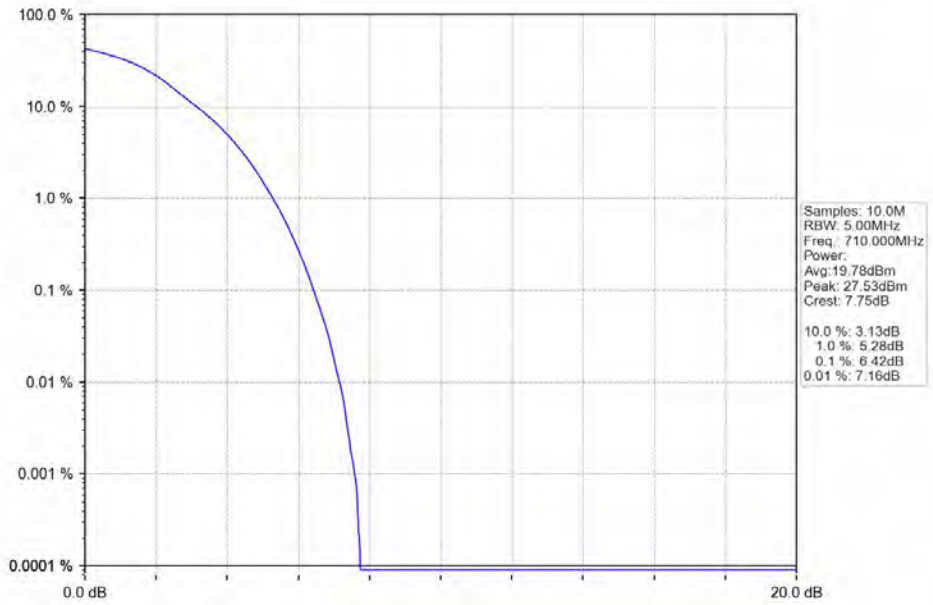

Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



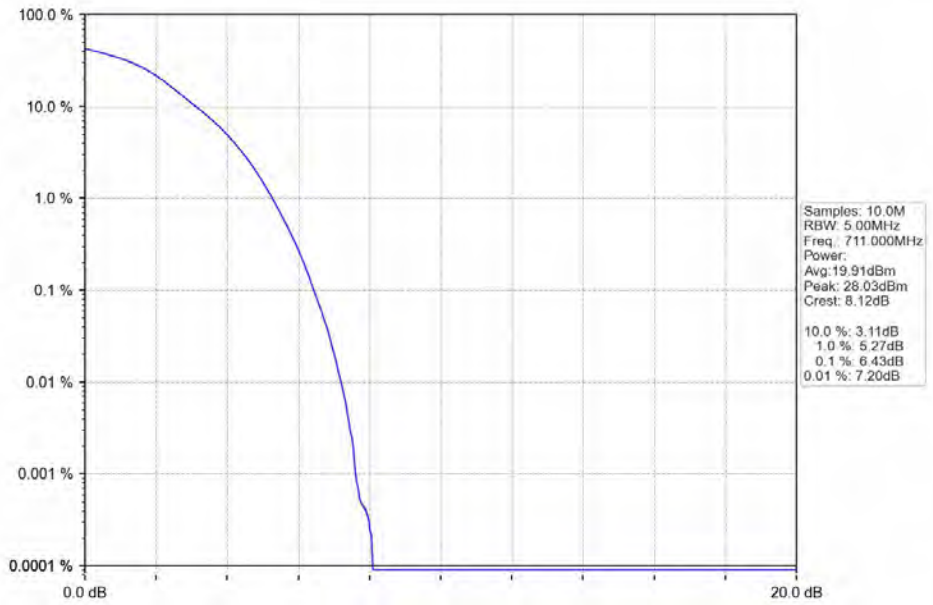
Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV




Band17_10MHz_64QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV

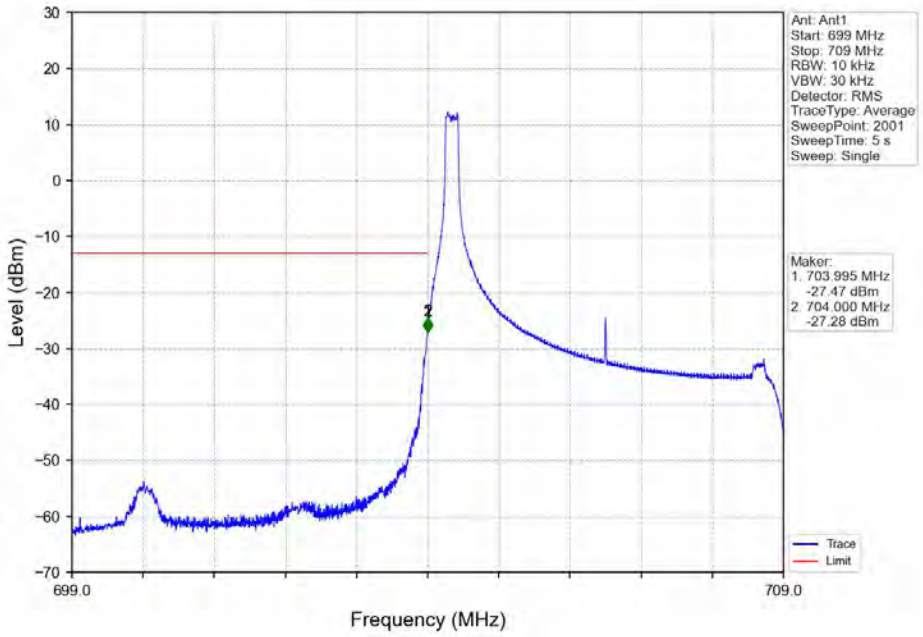


## SPURIOUS EMISSION B17_5MHZ TEST RESULT

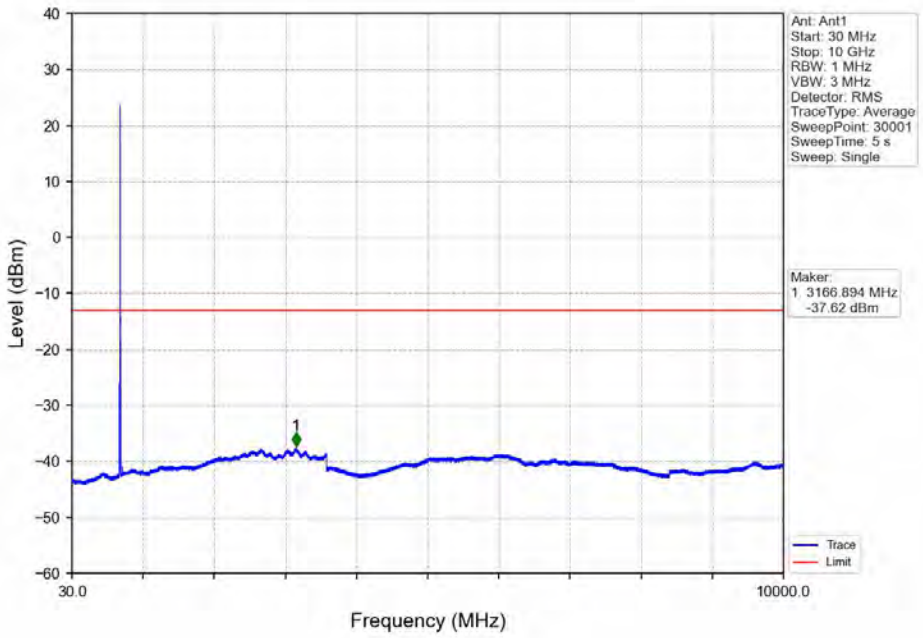
| Band: 17 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 706.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 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 |
| 64QAM | 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 |

## TEST GRAPH

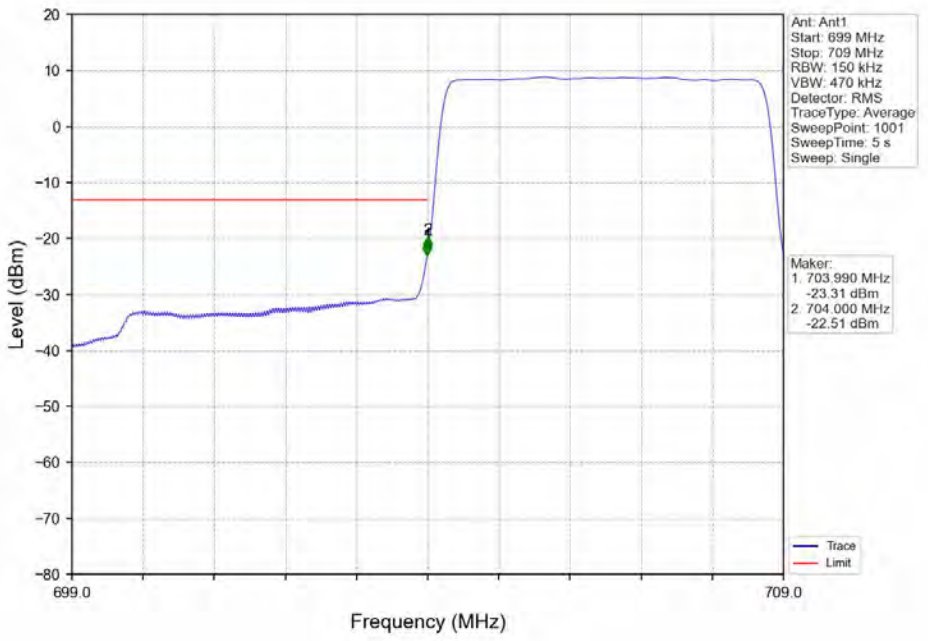
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



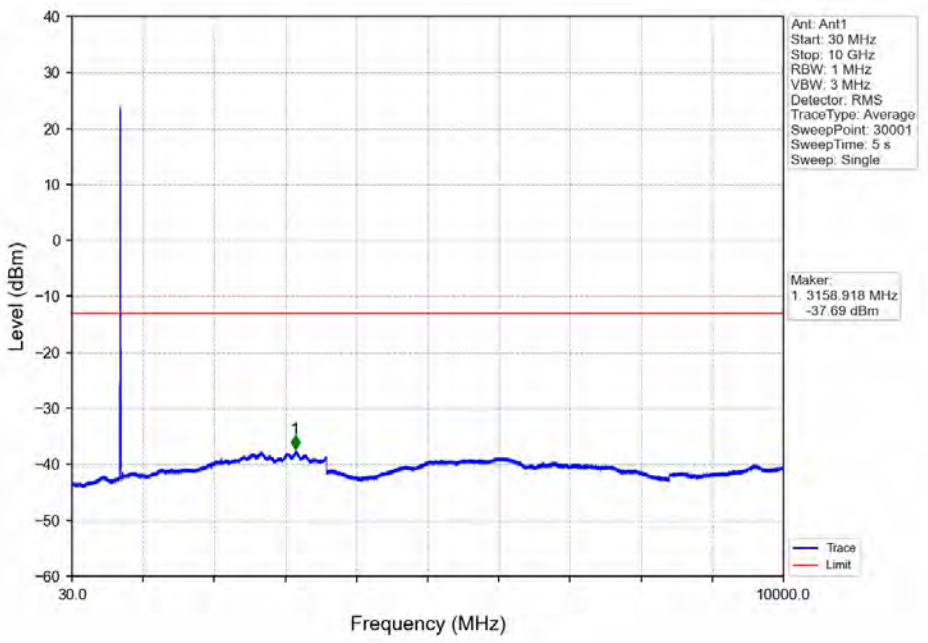

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



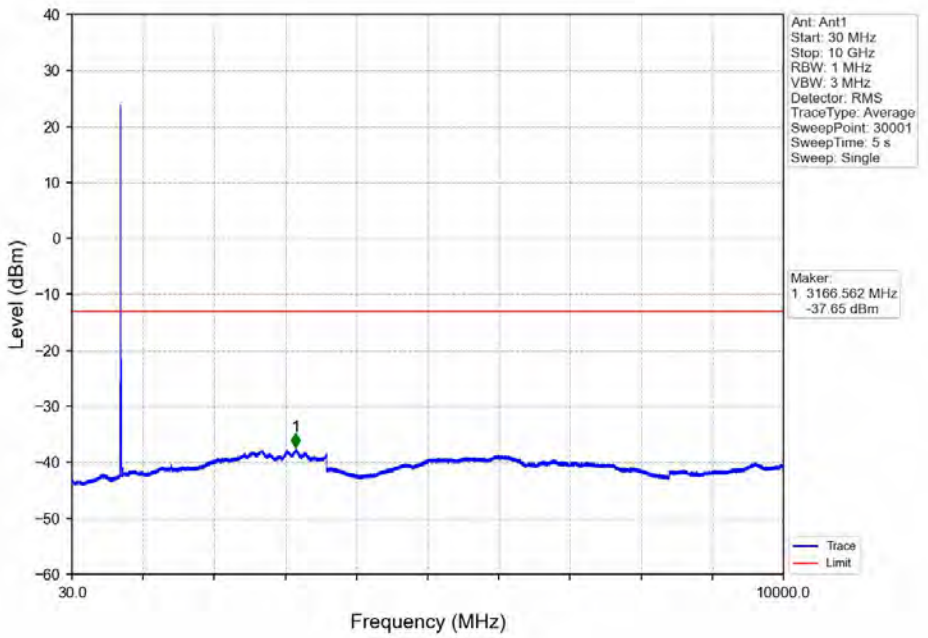
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



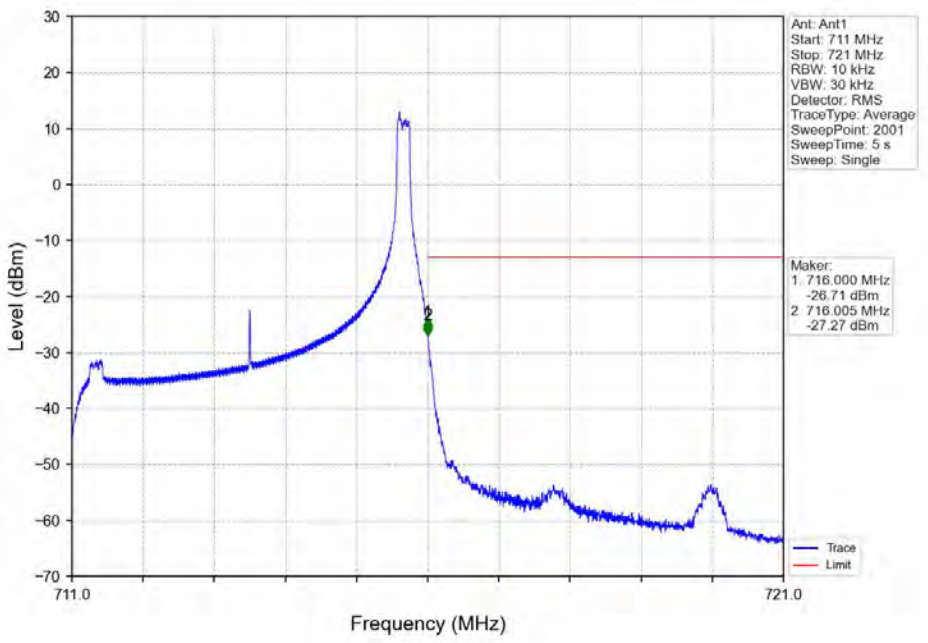

Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



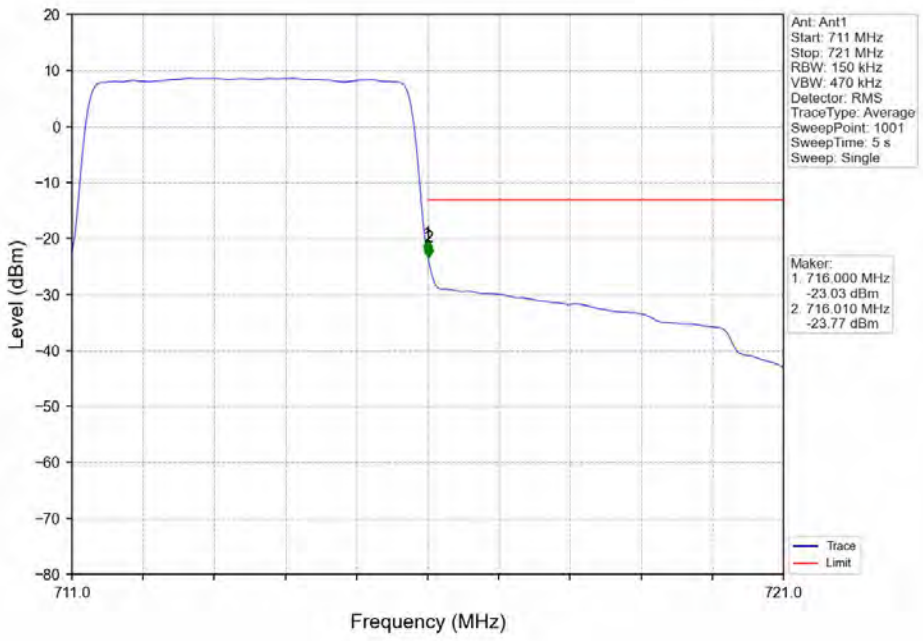
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



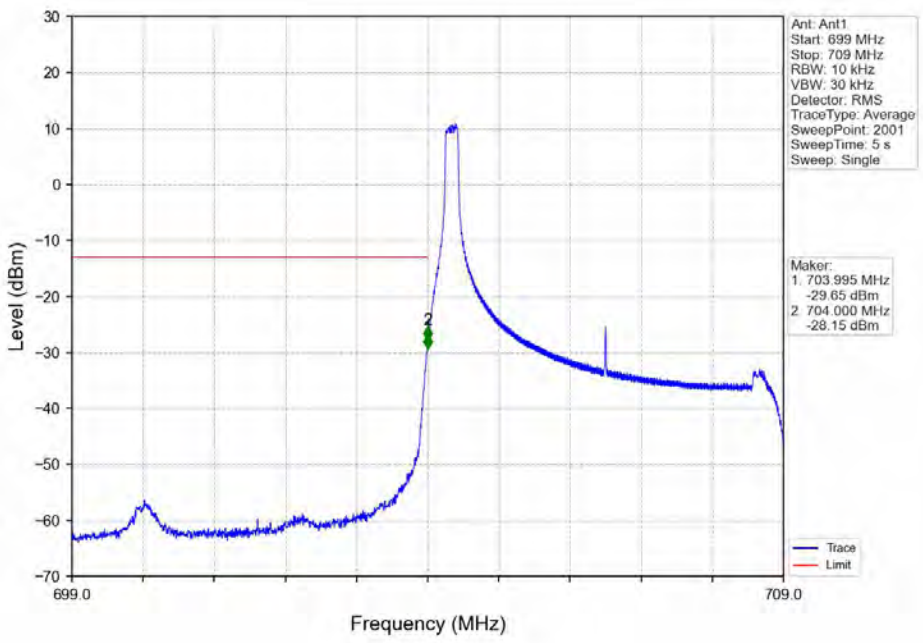

Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



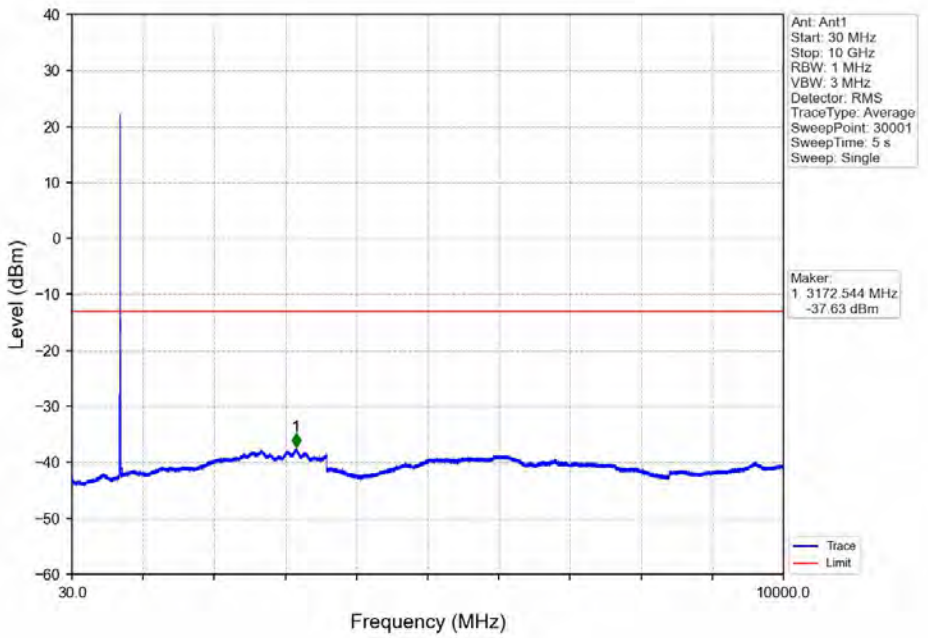
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



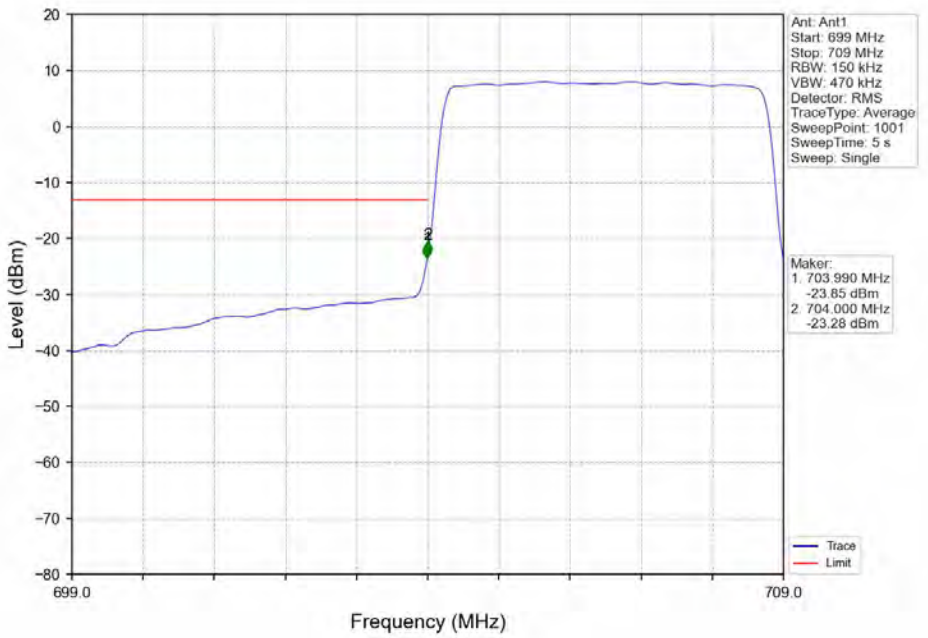

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



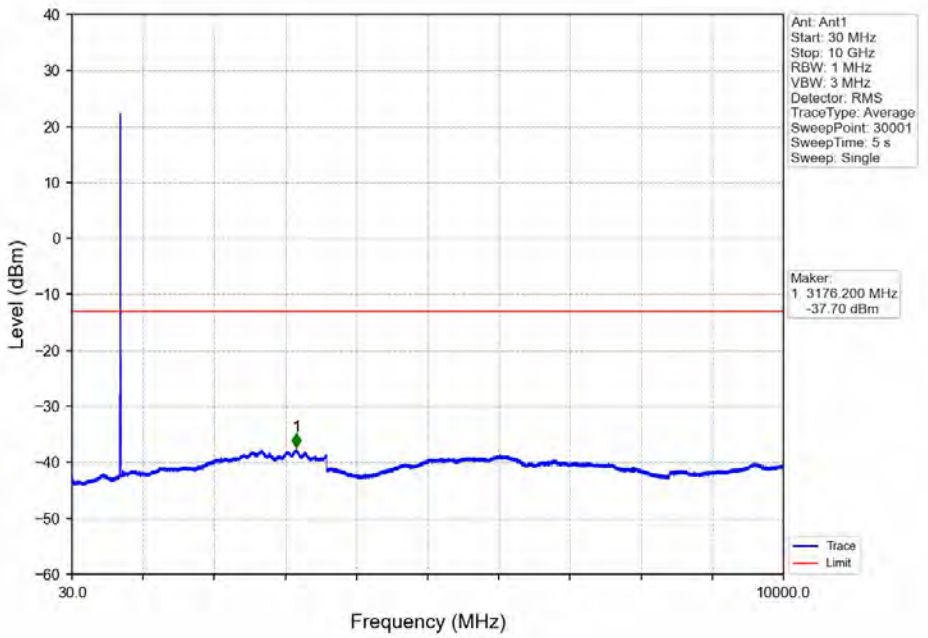
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



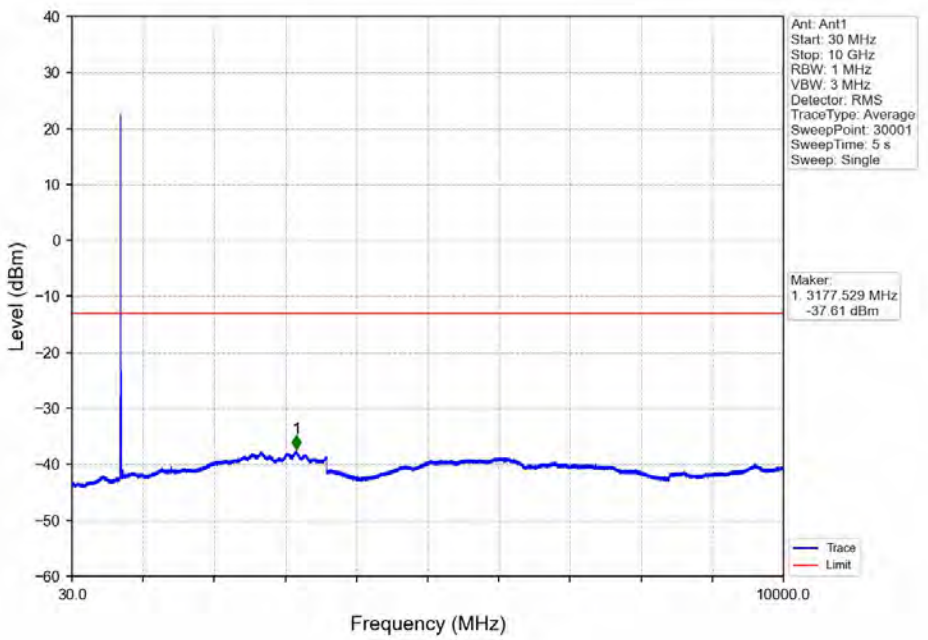

Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



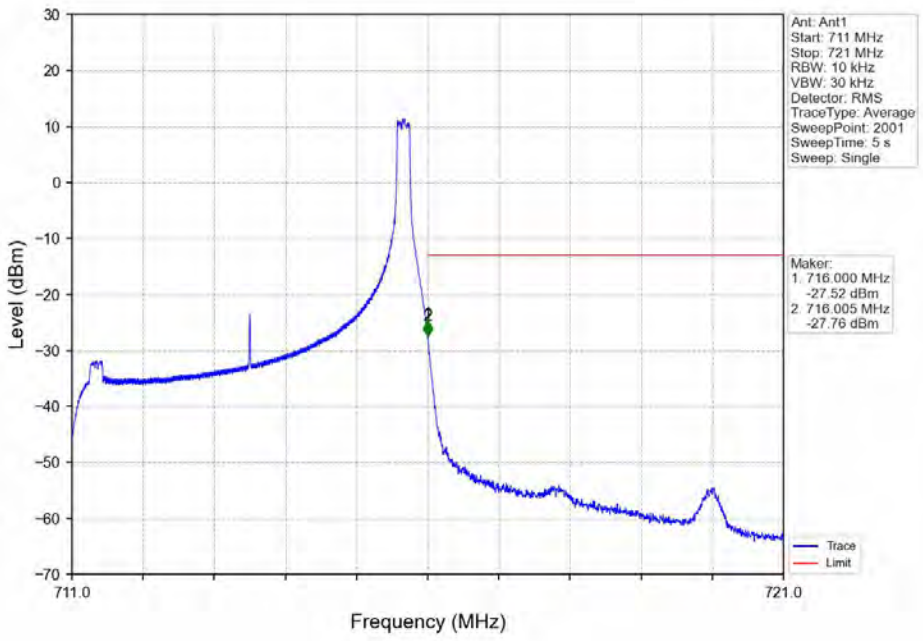
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



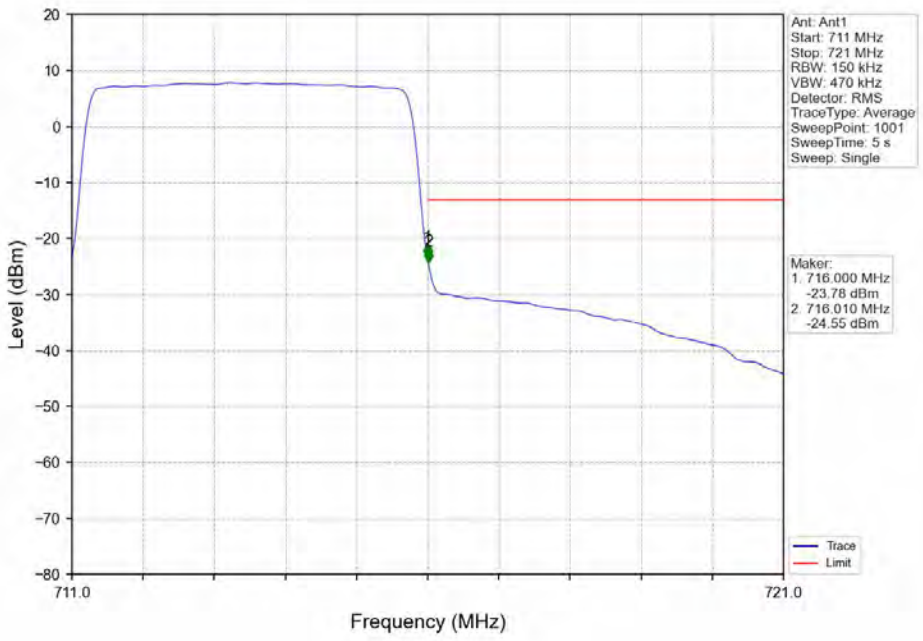

Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



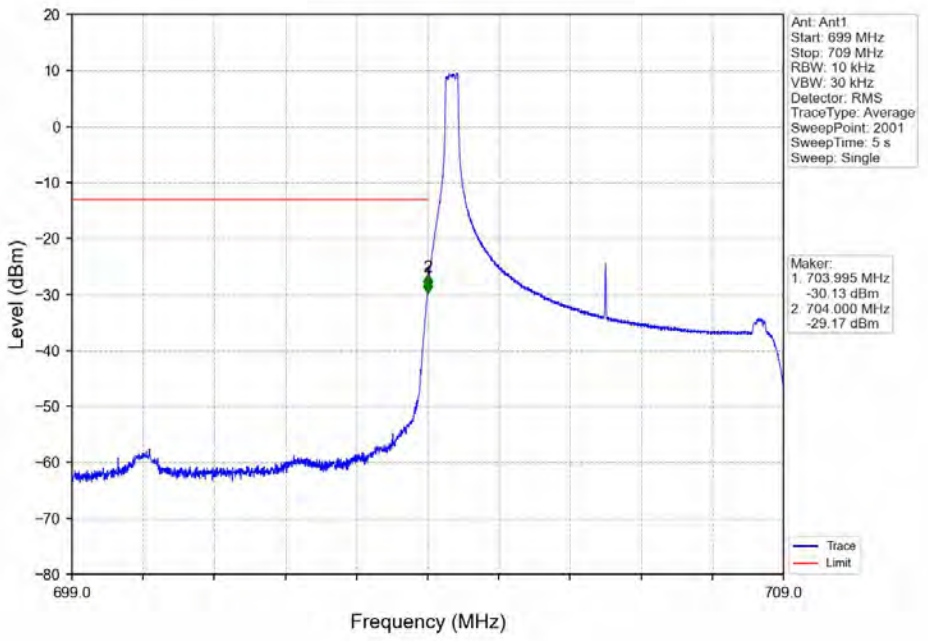
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



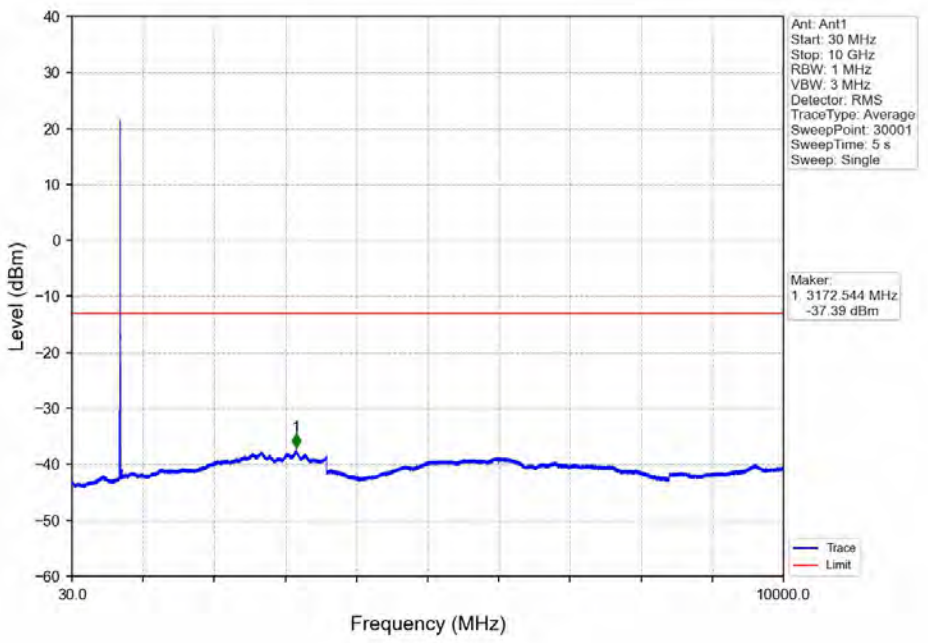

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



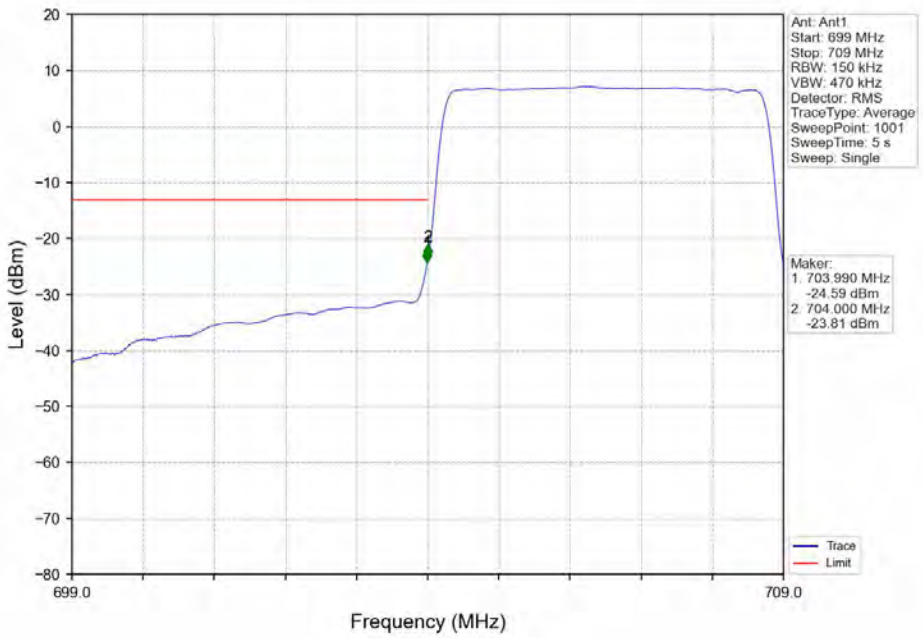
Band17_5MHz_64QAM_LCH_706.5MHz_RB_1_0_NTNV



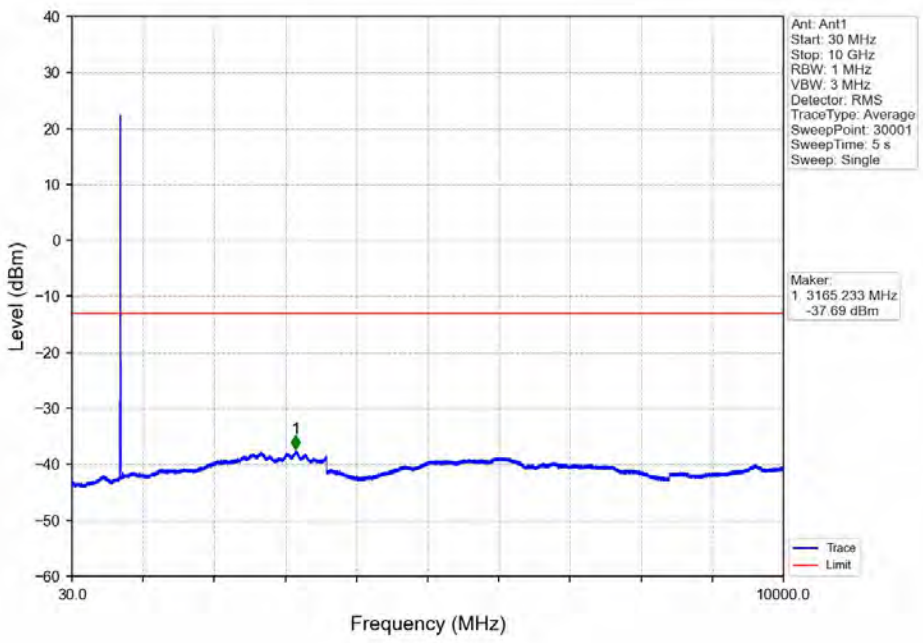

Band17_5MHz_64QAM_LCH_706.5MHz_RB_1_0_NTNV



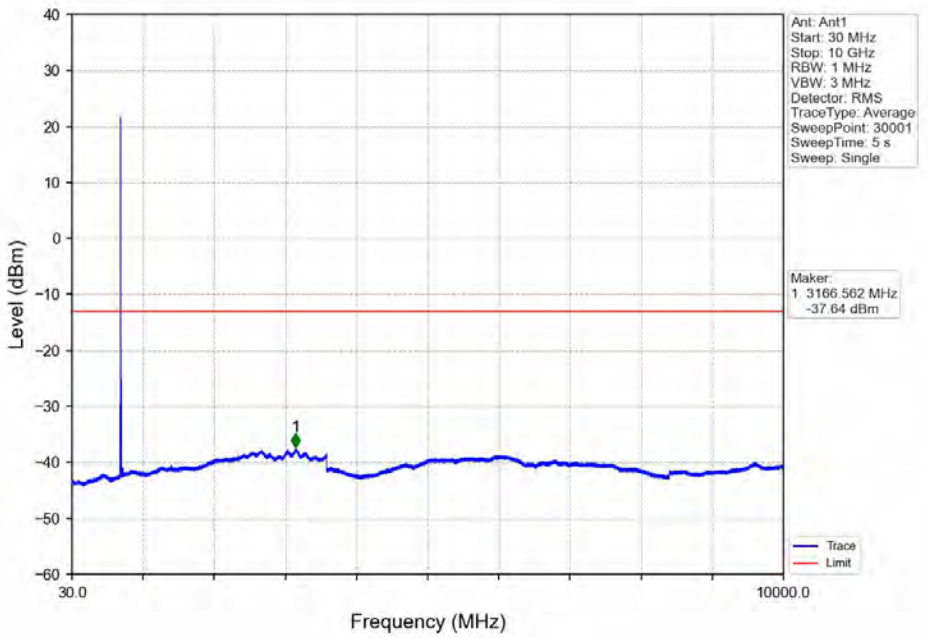
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV



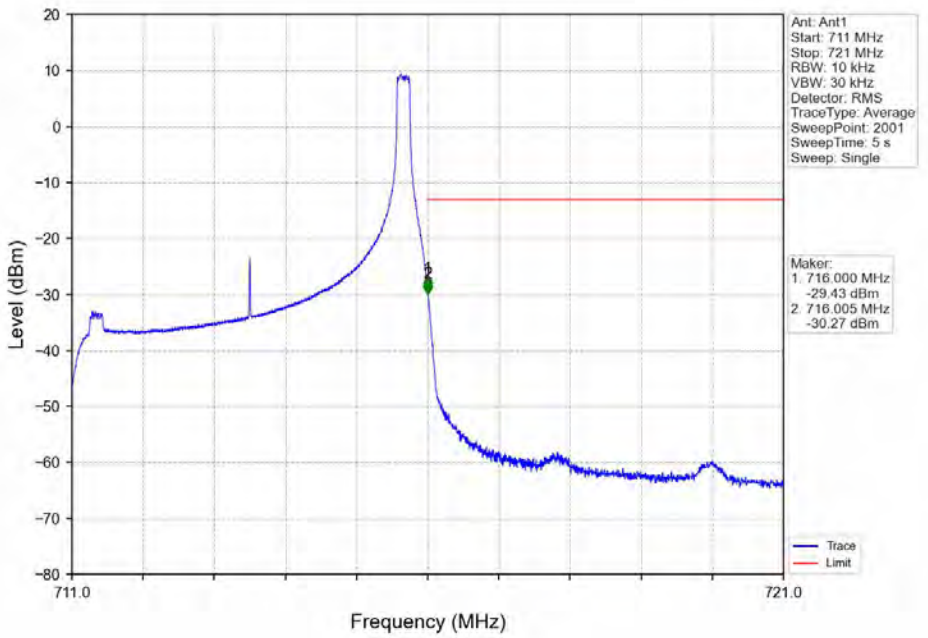

Band17_5MHz_64QAM_MCH_710MHz_RB_1_0_NTNV



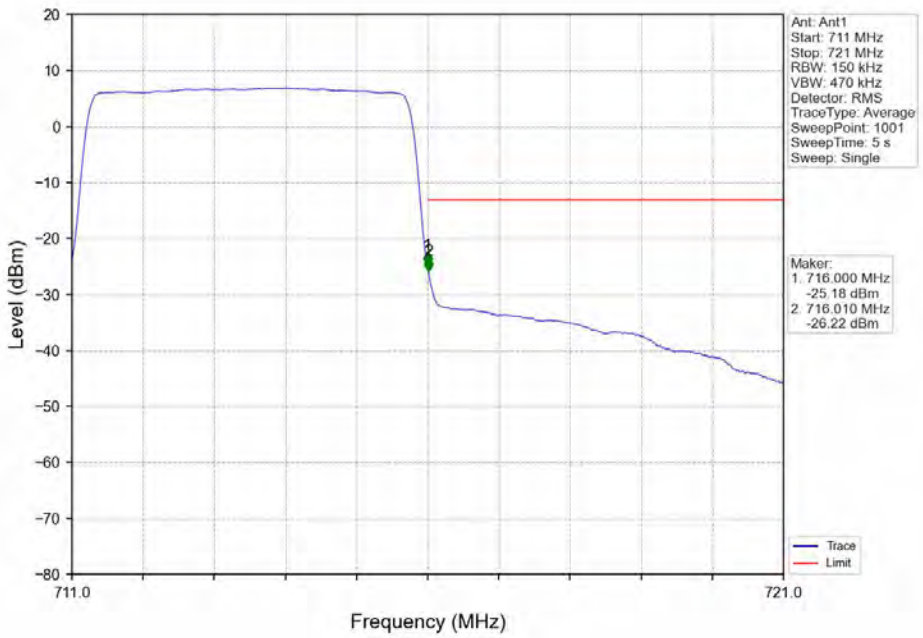
Band17_5MHz_64QAM_HCH_713.5MHz_RB_1_0_NTNV




Band17_5MHz_64QAM_HCH_713.5MHz_RB_1_24_NTNV



Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV

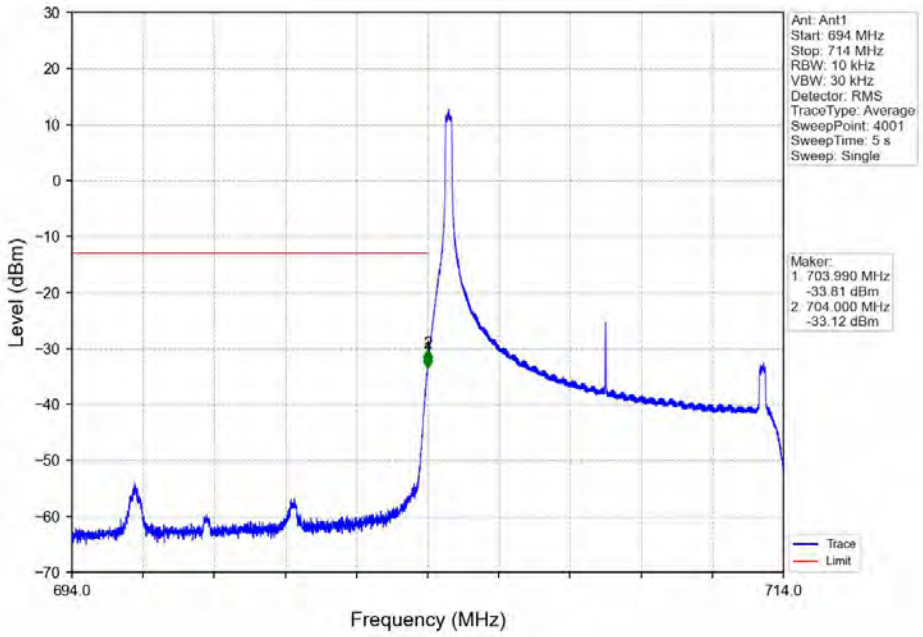


## B17_10MHZ TEST RESULT

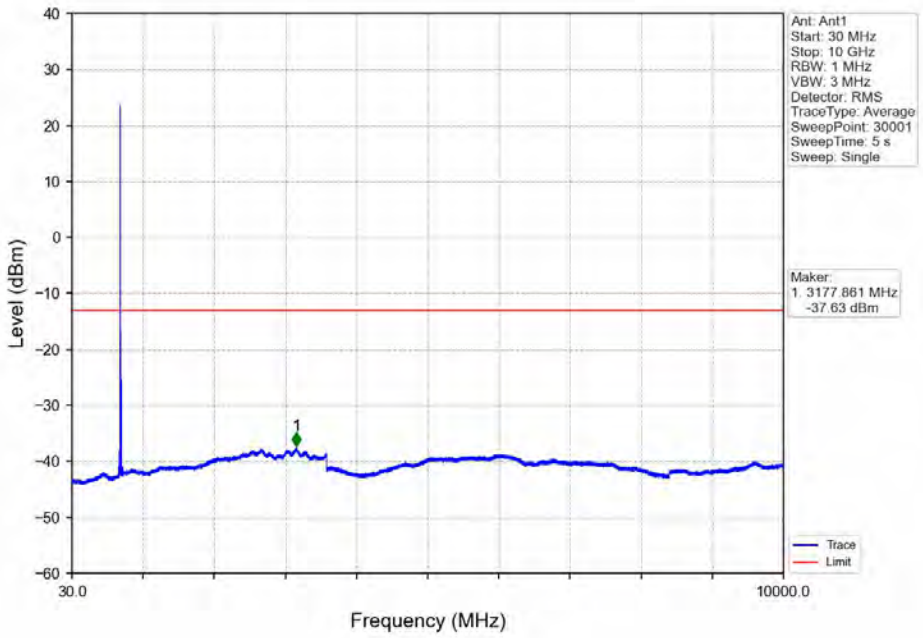
| Band: 17 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 709 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 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 |
| 64QAM | 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 |

## TEST GRAPH

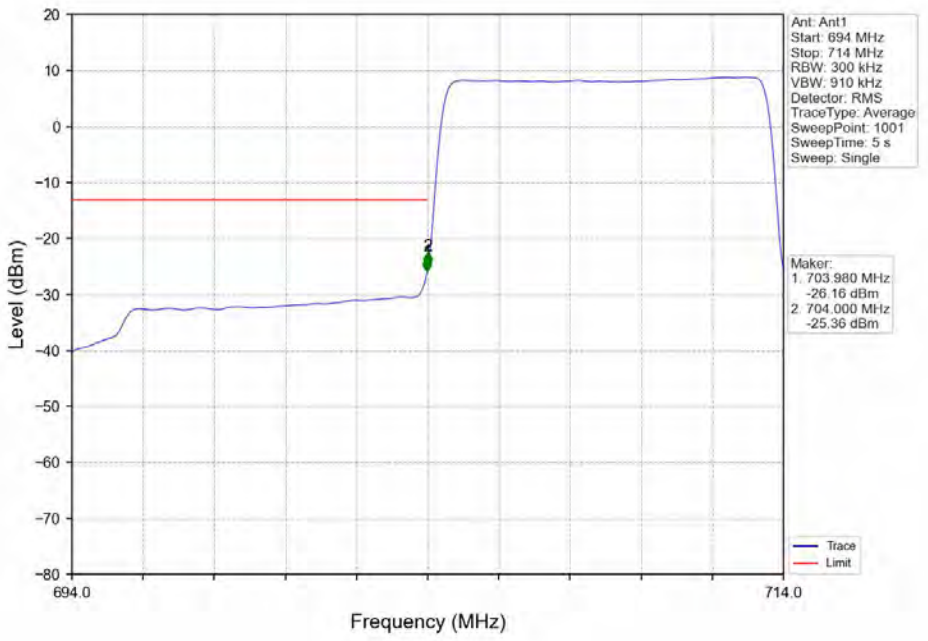
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



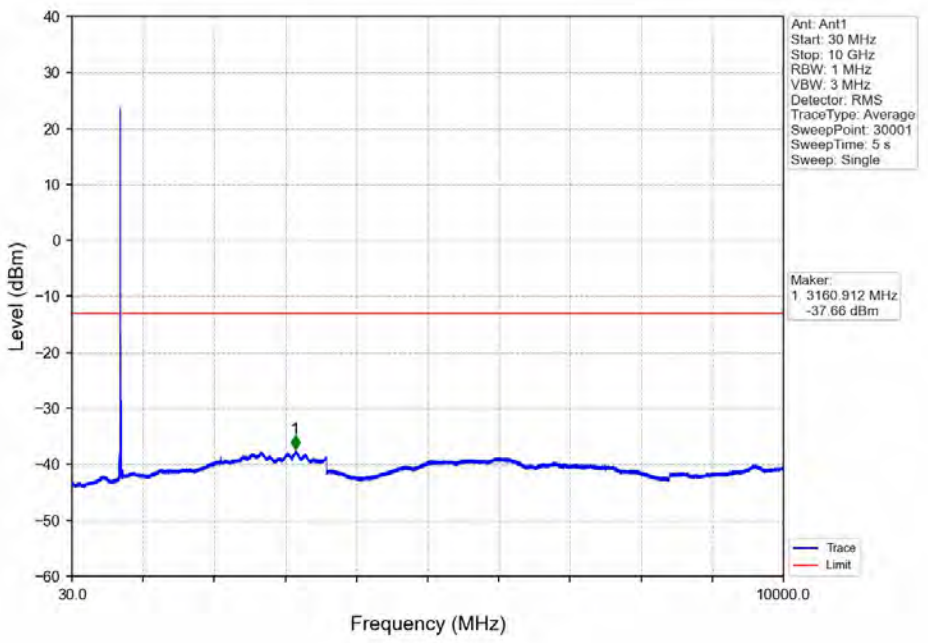

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



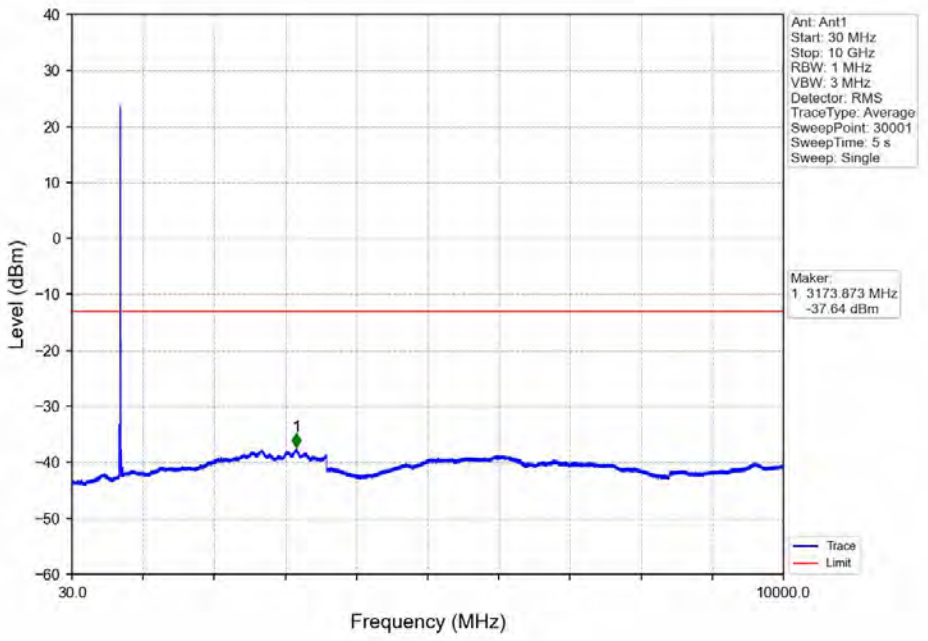
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



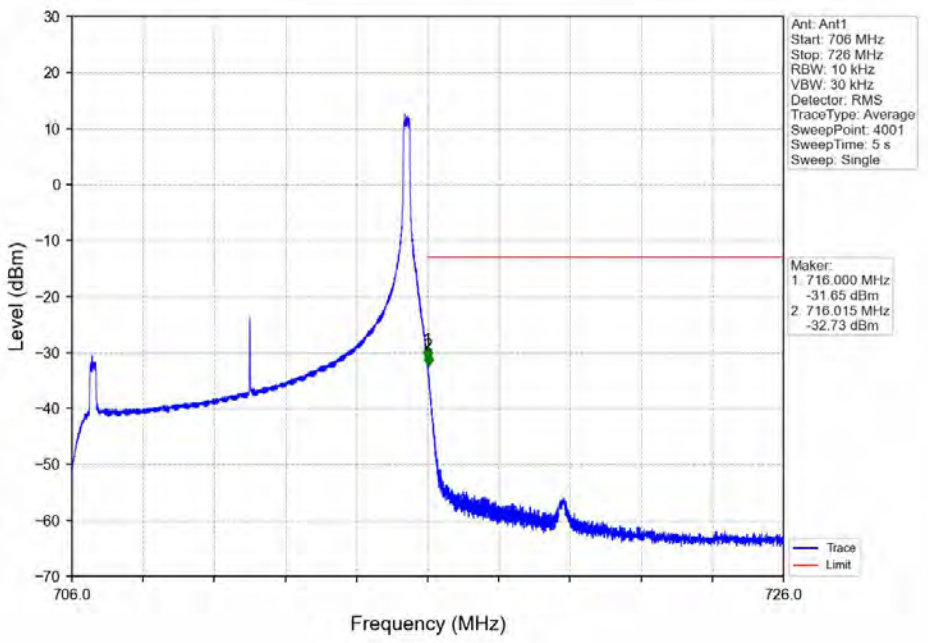

Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



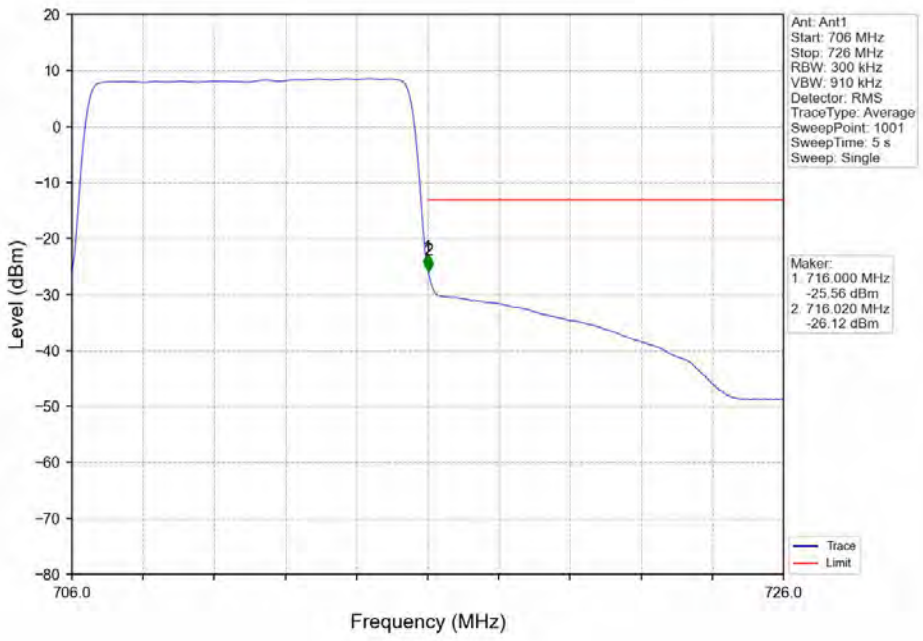
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



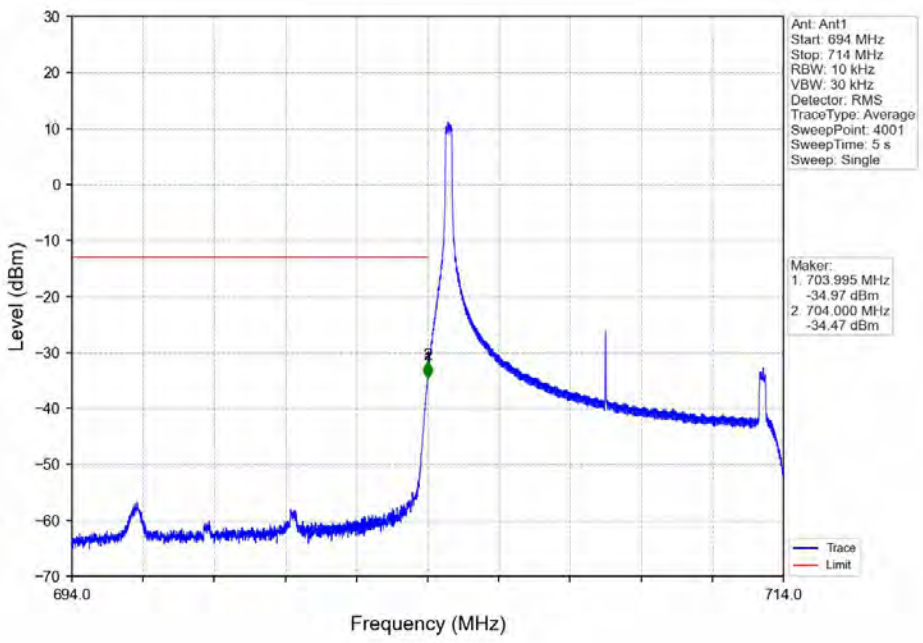

Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



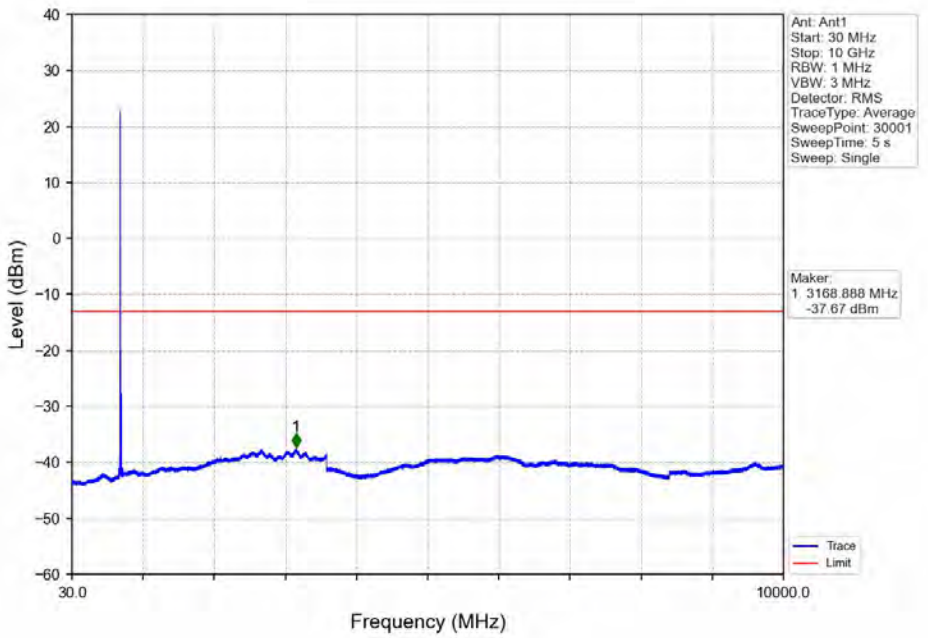
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



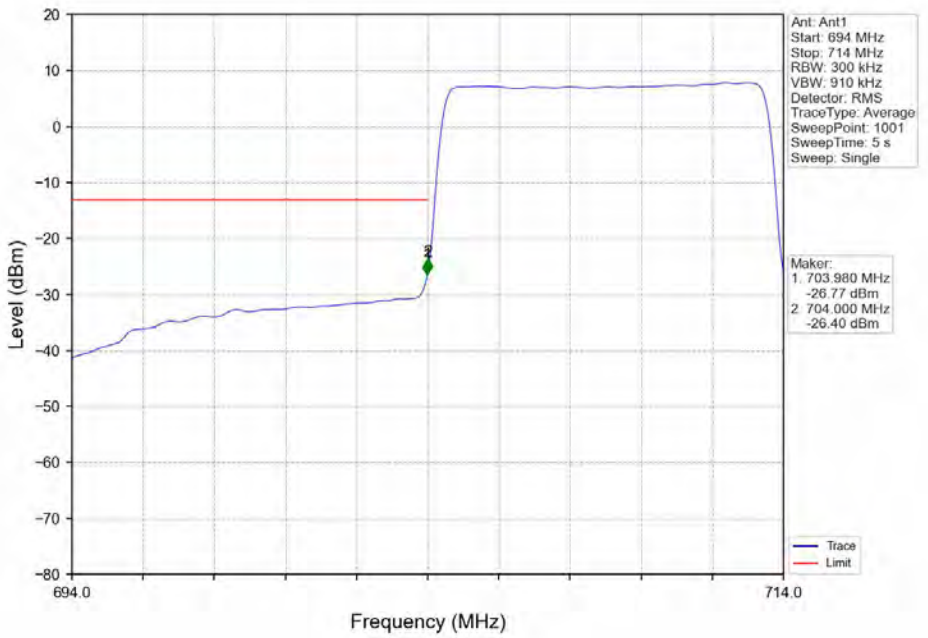

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



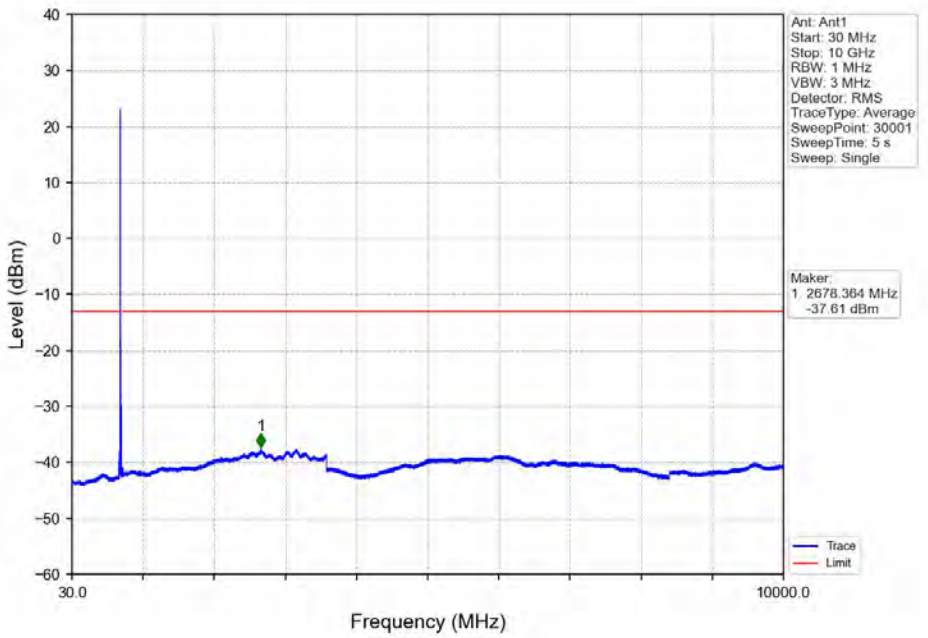
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



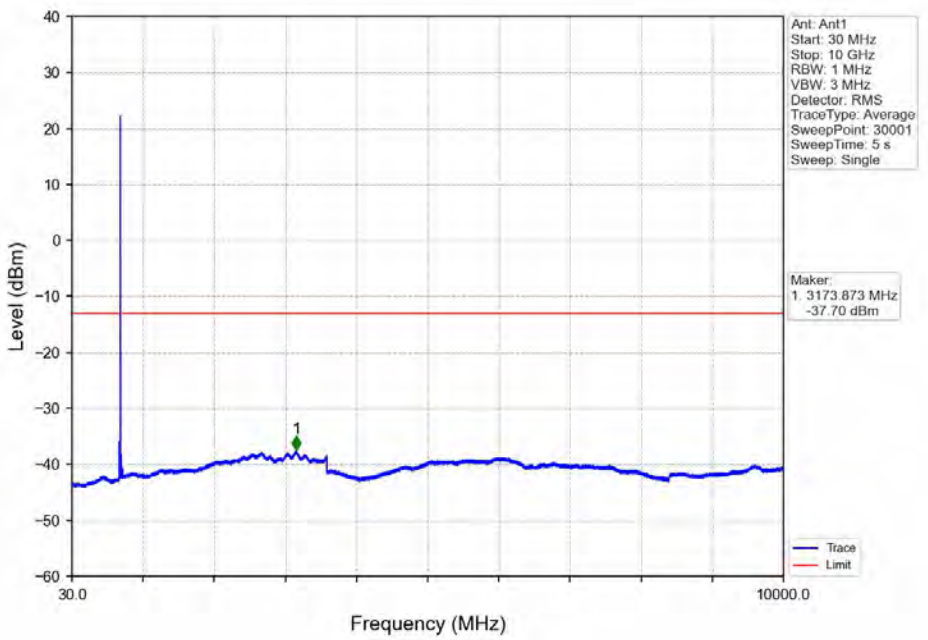

Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



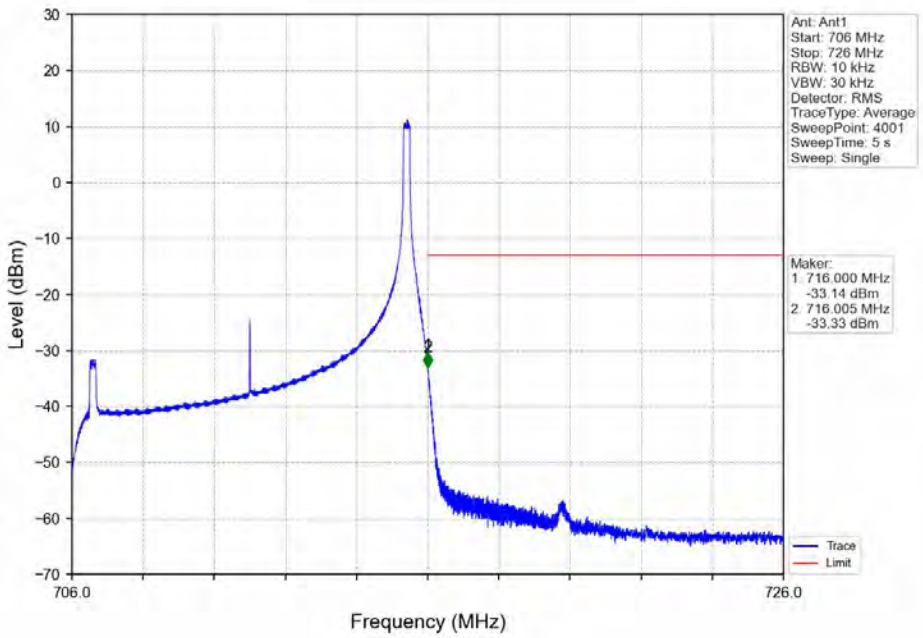
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



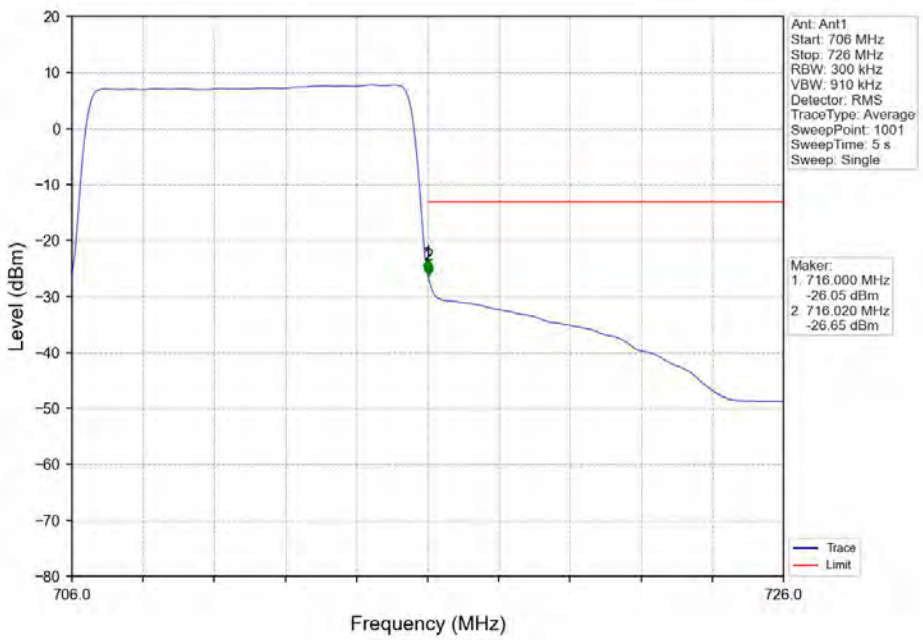

Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



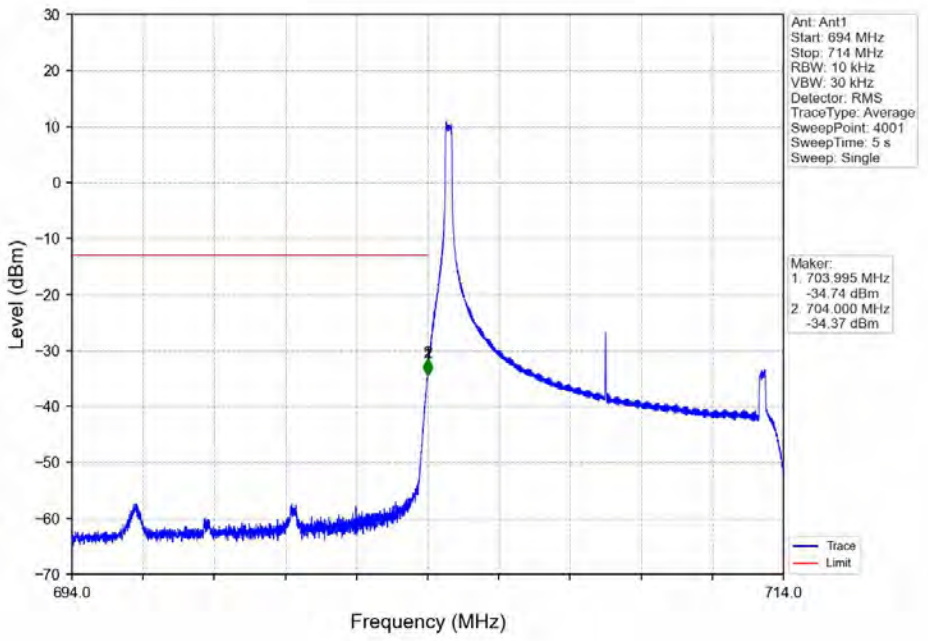
Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



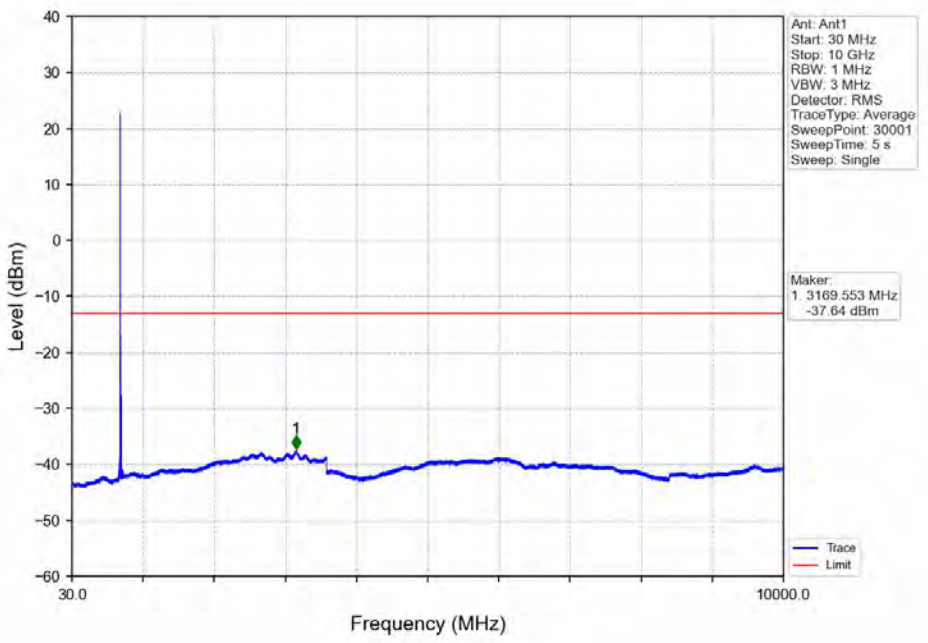

Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



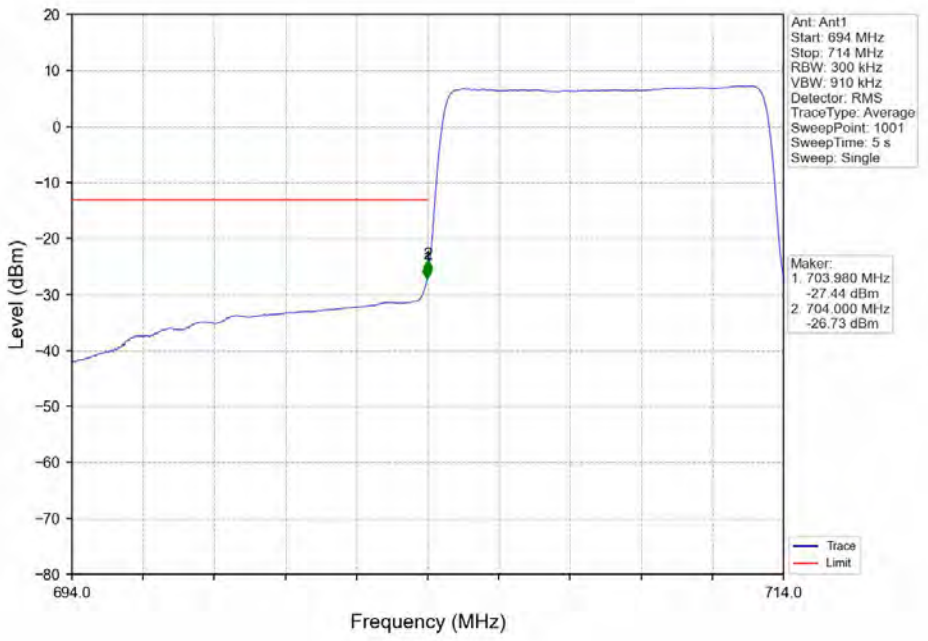
Band17_10MHz_64QAM_LCH_709MHz_RB_1_0_NTNV



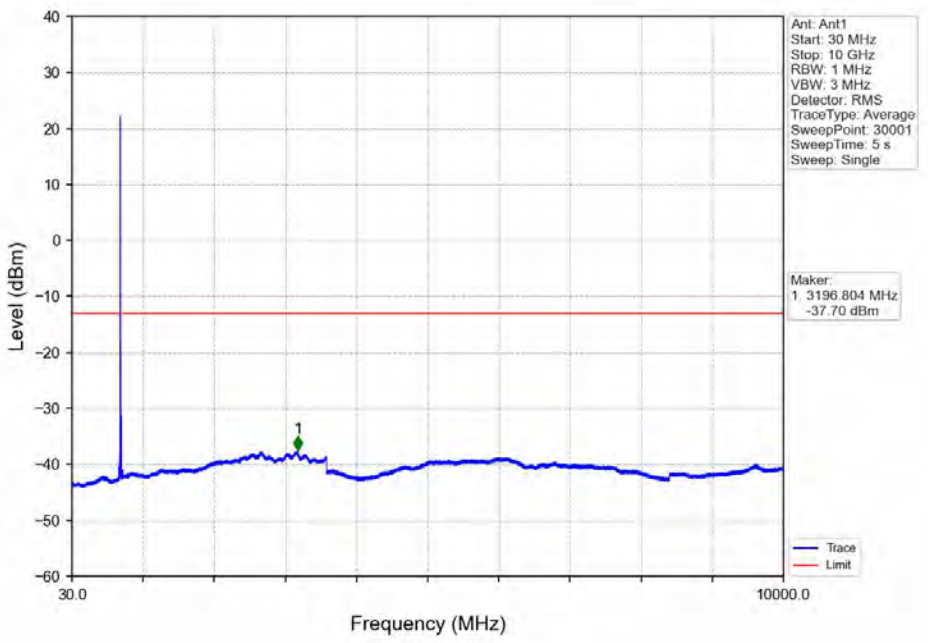

Band17_10MHz_64QAM_LCH_709MHz_RB_1_0_NTNV



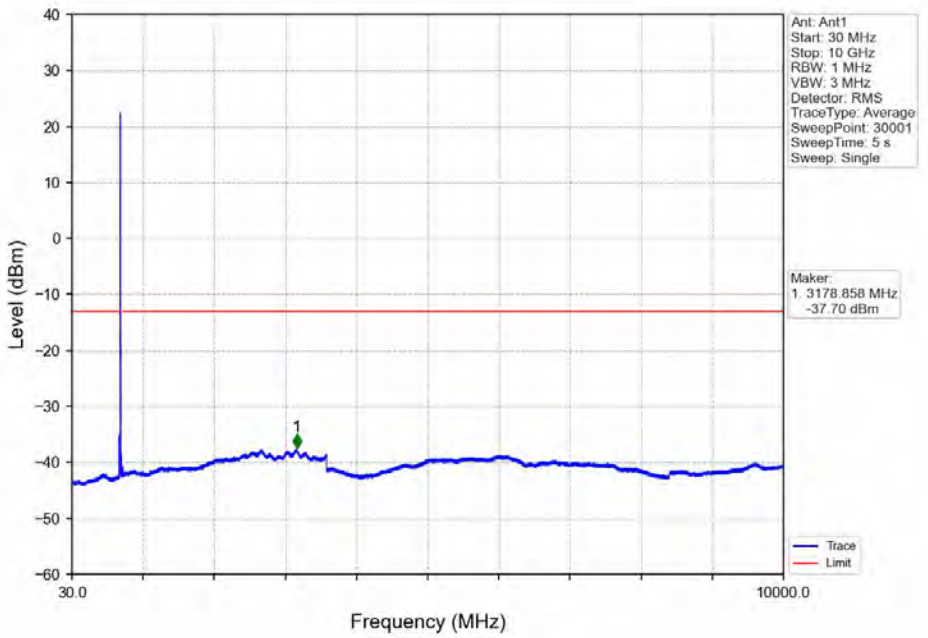
Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



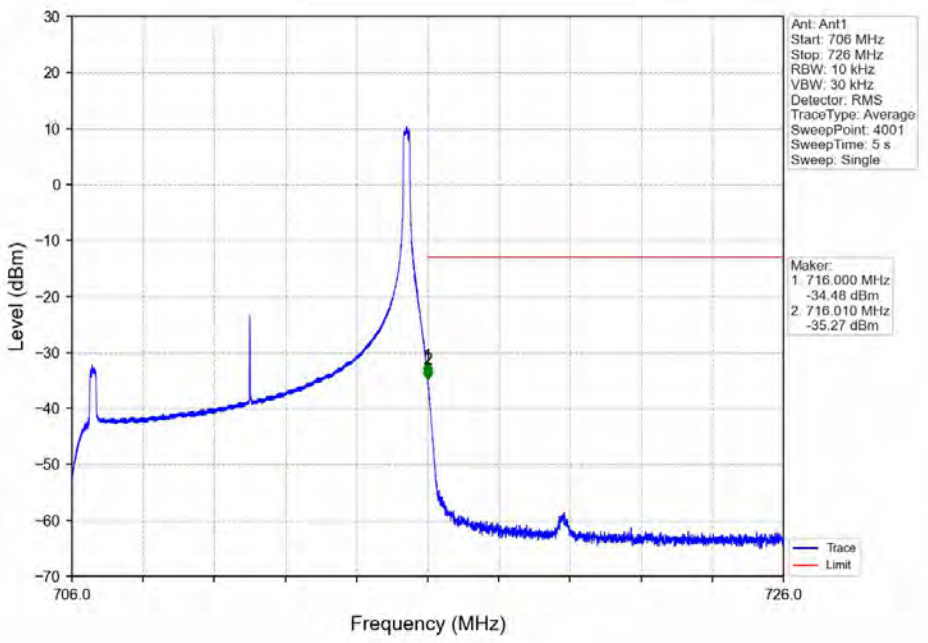

Band17_10MHz_64QAM_MCH_710MHz_RB_1_0_NTNV



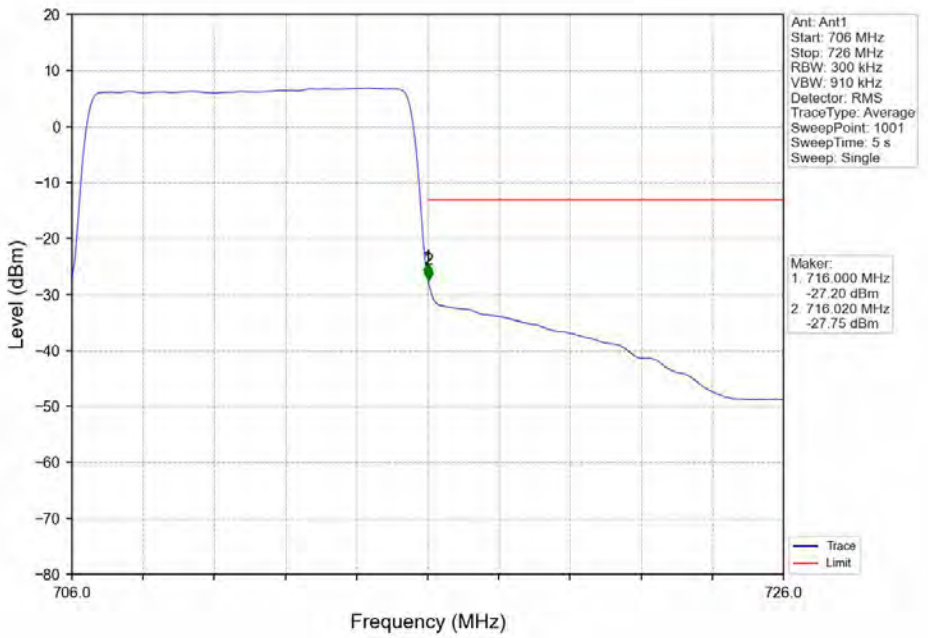
Band17_10MHz_64QAM_HCH_711MHz_RB_1_0_NTNV




Band17_10MHz_64QAM_HCH_711MHz_RB_1_49_NTNV



Band17_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



## LTE BAND 66

## FREQUENCY STABILITY B66_1.4MHZ TEST RESULT

| Band: 66 / Bandwidth: 1.4MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1710.7 | 6 | 0 | 20 | 3.27 | 17.95 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 23.69 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 24.72 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 23.50 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 18.05 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 11.31 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 5.49 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -5.25 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -10.24 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -18.75 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -22.46 | -0.01 | -2.5 to 2.5 | Pass |
| | 1745 | 6 | 0 | 20 | 3.27 | 4.71 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 1.23 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 1.29 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -4.86 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.51 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -9.37 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -14.08 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -21.10 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -25.84 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 0.43 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -1.04 | -0.00 | -2.5 to 2.5 | Pass |
| | 1779.3 | 6 | 0 | 20 | 3.27 | -18.25 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -29.31 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 11.62 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -9.90 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -29.97 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -16.55 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -8.80 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -39.75 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -32.52 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.65 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -32.30 | -0.02 | -2.5 to 2.5 | Pass |
| 16QAM | 1710.7 | 6 | 0 | 20 | 3.27 | -31.30 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -43.39 | -0.03 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -7.57 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -14.92 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -14.73 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -12.95 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -16.77 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -13.50 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -14.15 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -18.55 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -17.84 | -0.01 | -2.5 to 2.5 | Pass |
| | 1745 | 6 | 0 | 20 | 3.27 | -8.60 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -11.95 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -14.42 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -16.24 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -18.97 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -22.32 | -0.01 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 0 | 3.85 | -23.63 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -20.64 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -28.28 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -26.28 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -30.24 | -0.02 | -2.5 to 2.5 | Pass |
| | 1779.3 | 6 | 0 | 20 | 3.27 | -27.22 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -10.07 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -36.12 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -4.95 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -22.23 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -38.64 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -14.46 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -34.36 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -12.46 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -28.98 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -13.09 | -0.01 | -2.5 to 2.5 | Pass |
| 64QAM | 1710.7 | 6 | 0 | 20 | 3.27 | -18.18 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -15.68 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -14.79 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -10.13 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -8.87 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -6.79 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -3.29 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 6.19 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 8.71 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 10.96 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 23.57 | 0.01 | -2.5 to 2.5 | Pass |
| | 1745 | 6 | 0 | 20 | 3.27 | -26.44 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -27.87 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -26.58 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -26.95 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -28.09 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -23.60 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -20.74 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -12.29 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -10.41 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -9.40 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -9.76 | -0.01 | -2.5 to 2.5 | Pass |
| | 1779.3 | 6 | 0 | 20 | 3.27 | -33.42 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -5.88 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -13.63 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -31.91 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -38.74 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -11.73 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -14.02 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -16.77 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -16.65 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -22.17 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -27.29 | -0.02 | -2.5 to 2.5 | Pass |

## B66_3MHZ TEST RESULT

| Band: 66 / Bandwidth: 3MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1711.5 | 15 | 0 | 20 | 3.27 | -1.37 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 2.35 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 7.64 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 14.12 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 22.99 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 28.34 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 33.62 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 7.44 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 0.94 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 4.62 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 8.94 | 0.01 | -2.5 to 2.5 | Pass |
| | 1745 | 15 | 0 | 20 | 3.27 | 19.25 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 24.38 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 32.39 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 39.64 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 39.62 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 4.85 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 5.01 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 6.62 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 6.29 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 5.84 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 6.82 | 0.00 | -2.5 to 2.5 | Pass |
| | 1778.5 | 15 | 0 | 20 | 3.27 | 4.23 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -6.35 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -16.69 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -26.59 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 6.38 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -11.72 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -34.65 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -28.65 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -11.07 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -29.90 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -45.52 | -0.03 | -2.5 to 2.5 | Pass |
| 16QAM | 1711.5 | 15 | 0 | 20 | 3.27 | 8.83 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 9.23 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 16.27 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 20.27 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 23.65 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 27.77 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 33.77 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 22.10 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 24.29 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 21.91 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 31.76 | 0.02 | -2.5 to 2.5 | Pass |
| | 1745 | 15 | 0 | 20 | 3.27 | 8.77 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 6.89 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 4.66 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 11.67 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 13.82 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 11.83 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 13.52 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 14.96 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 16.84 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 16.88 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 21.39 | 0.01 | -2.5 to 2.5 | Pass |
| | 1778.5 | 15 | 0 | 20 | 3.27 | -22.62 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -36.15 | -0.02 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 4.43 | -22.30 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -19.27 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -3.36 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -10.57 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -26.28 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -6.11 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -12.69 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -27.62 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 7.04 | 0.00 | -2.5 to 2.5 | Pass |
| 64QAM | 1711.5 | 15 | 0 | 20 | 3.27 | 1.80 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 8.74 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 13.25 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 21.03 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 28.37 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -7.04 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -0.40 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 5.51 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 13.53 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 19.90 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 24.83 | 0.01 | -2.5 to 2.5 | Pass |
| | 1745 | 15 | 0 | 20 | 3.27 | 24.32 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 27.84 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 33.02 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -12.20 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -1.53 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 1.87 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 11.06 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 16.68 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 17.81 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 21.77 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 26.96 | 0.02 | -2.5 to 2.5 | Pass |
| | 1778.5 | 15 | 0 | 20 | 3.27 | -1.79 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -6.88 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -14.62 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -11.92 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -19.78 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -22.09 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -29.47 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -35.36 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -39.40 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -44.17 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -3.00 | -0.00 | -2.5 to 2.5 | Pass |

## B66_5MHZ TEST RESULT

| Band: 66 / Bandwidth: 5MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1712.5 | 25 | 0 | 20 | 3.27 | -10.17 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -9.27 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -0.16 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 6.39 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 19.37 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 27.27 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 29.51 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 39.28 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 22.03 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 6.32 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 8.87 | 0.01 | -2.5 to 2.5 | Pass |
| | 1745 | 25 | 0 | 20 | 3.27 | 21.36 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 28.81 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 27.91 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -0.61 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 1.80 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 3.69 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 4.82 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 3.69 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 4.68 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -0.61 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -0.40 | -0.00 | -2.5 to 2.5 | Pass |
| | 1777.5 | 25 | 0 | 20 | 3.27 | -2.13 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.27 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -20.03 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -34.10 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -20.03 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -17.88 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -11.99 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -24.10 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -11.60 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -23.55 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -32.37 | -0.02 | -2.5 to 2.5 | Pass |
| 16QAM | 1712.5 | 25 | 0 | 20 | 3.27 | 14.58 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 18.41 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 19.30 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 28.14 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 34.05 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 36.29 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 30.34 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 24.12 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 31.56 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 38.77 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 4.58 | 0.00 | -2.5 to 2.5 | Pass |
| | 1745 | 25 | 0 | 20 | 3.27 | 2.20 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 0.64 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 5.09 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 5.65 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 9.71 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 10.01 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 14.18 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 18.02 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 25.46 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 26.71 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 35.42 | 0.02 | -2.5 to 2.5 | Pass |
| | 1777.5 | 25 | 0 | 20 | 3.27 | -25.03 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -45.35 | -0.03 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 4.43 | -13.72 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -28.11 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -32.47 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -19.91 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -28.51 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -6.67 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -19.25 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -27.61 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -30.46 | -0.02 | -2.5 to 2.5 | Pass |
| 64QAM | 1712.5 | 25 | 0 | 20 | 3.27 | 11.06 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 14.22 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 17.09 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 28.58 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 35.39 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -3.92 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 2.93 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 12.42 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 17.50 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 21.90 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 25.82 | 0.02 | -2.5 to 2.5 | Pass |
| | 1745 | 25 | 0 | 20 | 3.27 | 5.36 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 9.18 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 15.06 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 25.11 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 30.21 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 40.55 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 2.33 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 11.47 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 19.64 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 25.55 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 30.38 | 0.02 | -2.5 to 2.5 | Pass |
| | 1777.5 | 25 | 0 | 20 | 3.27 | -35.12 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -2.30 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -10.23 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -12.70 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -15.69 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -21.49 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -28.30 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -30.81 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -31.94 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -33.92 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -32.09 | -0.02 | -2.5 to 2.5 | Pass |

## B66_10MHZ TEST RESULT

| Band: 66 / Bandwidth: 10MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1715 | 50 | 0 | 20 | 3.27 | -4.16 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 10.71 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 26.18 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 36.25 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 17.22 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 29.63 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 14.68 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -11.87 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -11.93 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -13.00 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -17.15 | -0.01 | -2.5 to 2.5 | Pass |
| | 1745 | 50 | 0 | 20 | 3.27 | 10.56 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 12.50 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 14.11 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 13.50 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 5.68 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 2.02 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -0.40 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -4.41 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -1.54 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -1.54 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -9.81 | -0.01 | -2.5 to 2.5 | Pass |
| | 1775 | 50 | 0 | 20 | 3.27 | -9.11 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -19.07 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -14.56 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -29.77 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -31.17 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -27.38 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -22.32 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -20.99 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -24.33 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -27.65 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -7.24 | -0.00 | -2.5 to 2.5 | Pass |
| 16QAM | 1715 | 50 | 0 | 20 | 3.27 | -17.91 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -13.65 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -12.33 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -5.71 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -5.61 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 2.40 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 14.71 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 20.26 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 27.29 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 32.34 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 4.98 | 0.00 | -2.5 to 2.5 | Pass |
| | 1745 | 50 | 0 | 20 | 3.27 | -8.84 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -8.81 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -10.81 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -9.86 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.11 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.76 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 0.46 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 4.96 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 9.83 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 16.44 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 15.66 | 0.01 | -2.5 to 2.5 | Pass |
| | 1775 | 50 | 0 | 20 | 3.27 | -20.57 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -24.26 | -0.01 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 4.43 | -4.38 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -15.29 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -30.25 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -38.45 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -10.64 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -21.86 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -32.46 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -37.44 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -17.20 | -0.01 | -2.5 to 2.5 | Pass |
| 64QAM | 1715 | 50 | 0 | 20 | 3.27 | 22.63 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 32.87 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 15.16 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 32.19 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 7.78 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 22.92 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 33.92 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 8.84 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 13.78 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 21.40 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 21.71 | 0.01 | -2.5 to 2.5 | Pass |
| | 1745 | 50 | 0 | 20 | 3.27 | 20.41 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 26.21 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 1.17 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -9.08 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -0.93 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 10.61 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 25.31 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 20.20 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 10.96 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 25.96 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 2.80 | 0.00 | -2.5 to 2.5 | Pass |
| | 1775 | 50 | 0 | 20 | 3.27 | -21.61 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -22.20 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -26.49 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -24.93 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -30.44 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -27.67 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -26.24 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -28.73 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -30.05 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -32.07 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -31.70 | -0.02 | -2.5 to 2.5 | Pass |

## B66_15MHZ TEST RESULT

| Band: 66 / Bandwidth: 15MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1717.5 | 75 | 0 | 20 | 3.27 | -2.30 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 6.07 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 17.92 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 24.42 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 30.70 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 2.59 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 14.83 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 20.21 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 19.78 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 23.82 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 29.67 | 0.02 | -2.5 to 2.5 | Pass |
| | 1745 | 75 | 0 | 20 | 3.27 | 8.14 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 18.84 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 12.49 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 15.18 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 11.16 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 7.17 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 2.92 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -0.61 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -9.03 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -13.76 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -20.60 | -0.01 | -2.5 to 2.5 | Pass |
| | 1772.5 | 75 | 0 | 20 | 3.27 | -2.73 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -16.38 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -13.73 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -23.95 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -32.50 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -11.16 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -16.25 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -19.25 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -31.17 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -18.91 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -12.56 | -0.01 | -2.5 to 2.5 | Pass |
| 16QAM | 1717.5 | 75 | 0 | 20 | 3.27 | 32.39 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 19.61 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 29.08 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 4.83 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 17.65 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 25.56 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 33.00 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -3.69 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 2.38 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 13.79 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 20.06 | 0.01 | -2.5 to 2.5 | Pass |
| | 1745 | 75 | 0 | 20 | 3.27 | -22.75 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -23.70 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -22.62 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -21.70 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -20.64 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -19.61 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -14.82 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -11.93 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -7.35 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.28 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -1.33 | -0.00 | -2.5 to 2.5 | Pass |
| | 1772.5 | 75 | 0 | 20 | 3.27 | -31.14 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -11.77 | -0.01 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 4.43 | -27.98 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -5.72 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -17.85 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -30.23 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -7.30 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -21.03 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -39.54 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -10.46 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -21.80 | -0.01 | -2.5 to 2.5 | Pass |
| 64QAM | 1717.5 | 75 | 0 | 20 | 3.27 | 33.03 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 6.39 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 23.75 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 18.55 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 21.36 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 31.60 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 26.48 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 5.85 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 18.32 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 23.25 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -1.10 | -0.00 | -2.5 to 2.5 | Pass |
| | 1745 | 75 | 0 | 20 | 3.27 | 3.89 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 9.17 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 20.26 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 16.59 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.91 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -0.56 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 8.97 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 10.63 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 17.42 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 25.08 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 5.42 | 0.00 | -2.5 to 2.5 | Pass |
| | 1772.5 | 75 | 0 | 20 | 3.27 | -23.15 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -30.34 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -27.49 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -29.50 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -25.43 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -26.79 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -24.48 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -26.34 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -27.07 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -27.84 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -23.76 | -0.01 | -2.5 to 2.5 | Pass |

## B66_20MHZ TEST RESULT

| Band: 66 / Bandwidth: 20MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1720 | 100 | 0 | 20 | 3.27 | 24.95 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 11.82 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 21.14 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 30.18 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 31.53 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 27.89 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 28.34 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 24.76 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 27.52 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 22.53 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 18.20 | 0.01 | -2.5 to 2.5 | Pass |
| | 1745 | 100 | 0 | 20 | 3.27 | -3.72 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -4.65 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -13.12 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -23.25 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -22.67 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -36.01 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -41.64 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -4.51 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -7.84 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -14.06 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -19.33 | -0.01 | -2.5 to 2.5 | Pass |
| | 1770 | 100 | 0 | 20 | 3.27 | 4.49 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -17.91 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -13.40 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -22.10 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -28.21 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -11.04 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -18.70 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -24.70 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -25.48 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -14.73 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -23.72 | -0.01 | -2.5 to 2.5 | Pass |
| 16QAM | 1720 | 100 | 0 | 20 | 3.27 | 16.64 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 18.35 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 26.75 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 28.01 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 23.26 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 29.17 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 35.51 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 37.38 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 31.86 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 14.73 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 20.77 | 0.01 | -2.5 to 2.5 | Pass |
| | 1745 | 100 | 0 | 20 | 3.27 | -23.13 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -20.34 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -21.14 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -9.90 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -5.76 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -14.29 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -13.26 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -11.86 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -15.84 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -20.54 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -14.12 | -0.01 | -2.5 to 2.5 | Pass |
| | 1770 | 100 | 0 | 20 | 3.27 | -33.07 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -16.07 | -0.01 | -2.5 to 2.5 | Pass |

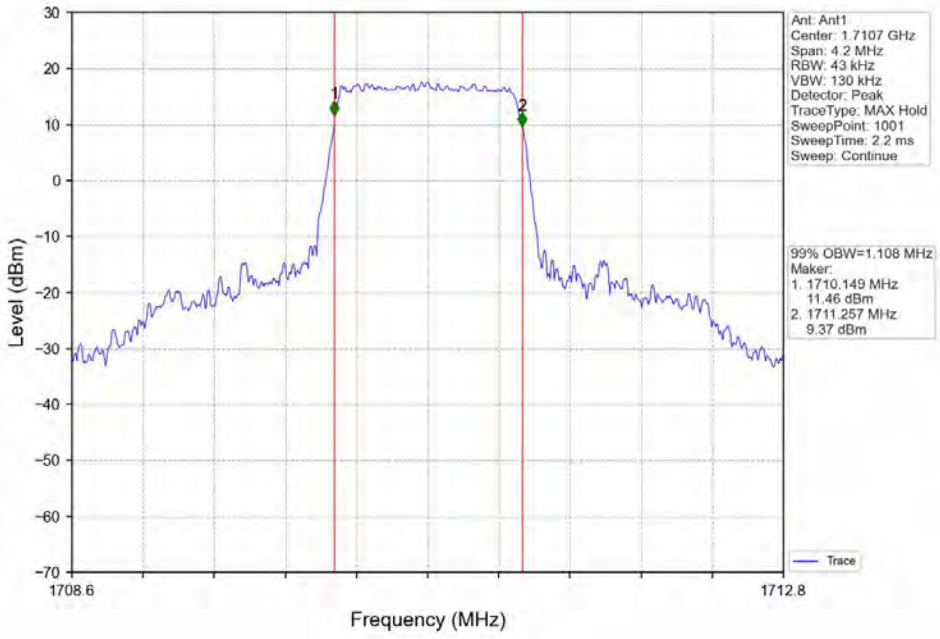
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 4.43 | -29.37 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -37.34 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -28.32 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 3.66 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -9.05 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -16.22 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -20.80 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -26.98 | -0.02 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -37.61 | -0.02 | -2.5 to 2.5 | Pass |
| 64QAM | 1720 | 100 | 0 | 20 | 3.27 | 28.20 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.20 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 4.63 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 18.94 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 29.71 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 32.30 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 11.14 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 22.86 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 3.72 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 21.60 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 21.73 | 0.01 | -2.5 to 2.5 | Pass |
| | 1745 | 100 | 0 | 20 | 3.27 | -19.24 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -8.94 | -0.01 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 1.30 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 6.45 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 19.28 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 27.11 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 21.69 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -6.81 | -0.00 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 6.04 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 9.20 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 14.98 | 0.01 | -2.5 to 2.5 | Pass |
| | 1770 | 100 | 0 | 20 | 3.27 | 3.10 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 5.88 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 5.42 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 13.02 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 19.24 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 21.96 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 24.58 | 0.01 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 28.93 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 34.83 | 0.02 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 2.49 | 0.00 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 5.78 | 0.00 | -2.5 to 2.5 | Pass |

## 99% & 26DB BANDWIDTH 99%_OBW TEST RESULT

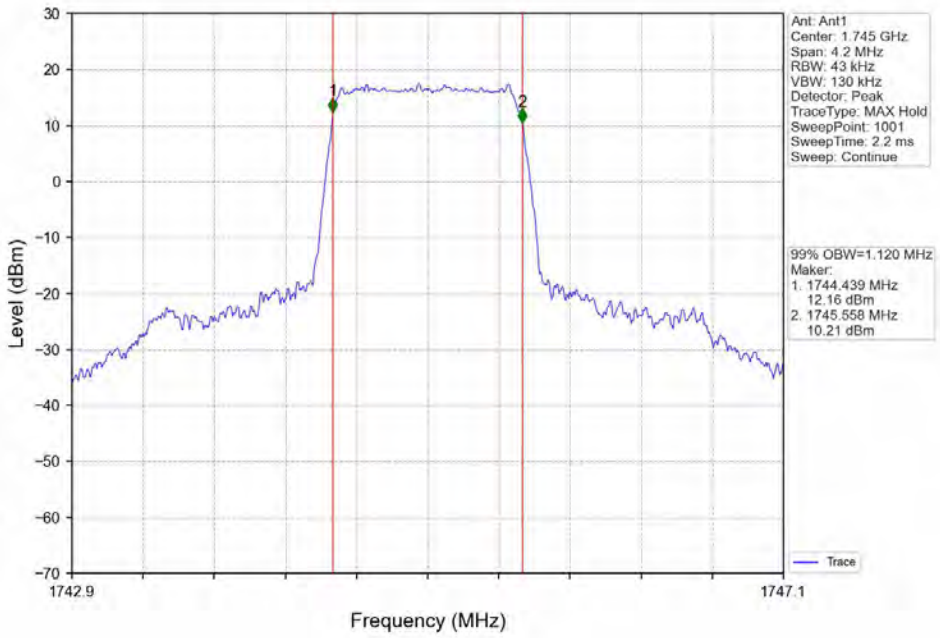
| Band: 66 / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | Verdict |
| | | | Size | Offset | Result | |
| 1.4 | QPSK | 1710.7 | 6 | 0 | 1.108 | Pass |
| | | 1745 | 6 | 0 | 1.120 | Pass |
| | | 1779.3 | 6 | 0 | 1.108 | Pass |
| | 16QAM | 1710.7 | 6 | 0 | 1.109 | Pass |
| | | 1745 | 6 | 0 | 1.115 | Pass |
| | | 1779.3 | 6 | 0 | 1.116 | Pass |
| | 64QAM | 1710.7 | 6 | 0 | 1.109 | Pass |
| | | 1745 | 6 | 0 | 1.109 | Pass |
| | | 1779.3 | 6 | 0 | 1.111 | Pass |
| 3 | QPSK | 1711.5 | 15 | 0 | 2.754 | Pass |
| | | 1745 | 15 | 0 | 2.766 | Pass |
| | | 1778.5 | 15 | 0 | 2.763 | Pass |
| | 16QAM | 1711.5 | 15 | 0 | 2.781 | Pass |
| | | 1745 | 15 | 0 | 2.758 | Pass |
| | | 1778.5 | 15 | 0 | 2.767 | Pass |
| | 64QAM | 1711.5 | 15 | 0 | 2.768 | Pass |
| | | 1745 | 15 | 0 | 2.736 | Pass |
| | | 1778.5 | 15 | 0 | 2.767 | Pass |
| 5 | QPSK | 1712.5 | 25 | 0 | 4.564 | Pass |
| | | 1745 | 25 | 0 | 4.548 | Pass |
| | | 1777.5 | 25 | 0 | 4.551 | Pass |
| | 16QAM | 1712.5 | 25 | 0 | 4.555 | Pass |
| | | 1745 | 25 | 0 | 4.577 | Pass |
| | | 1777.5 | 25 | 0 | 4.575 | Pass |
| | 64QAM | 1712.5 | 25 | 0 | 4.545 | Pass |
| | | 1745 | 25 | 0 | 4.564 | Pass |
| | | 1777.5 | 25 | 0 | 4.561 | Pass |
| 10 | QPSK | 1715 | 50 | 0 | 9.062 | Pass |
| | | 1745 | 50 | 0 | 9.049 | Pass |
| | | 1775 | 50 | 0 | 9.107 | Pass |
| | 16QAM | 1715 | 50 | 0 | 9.085 | Pass |
| | | 1745 | 50 | 0 | 9.063 | Pass |
| | | 1775 | 50 | 0 | 9.093 | Pass |
| | 64QAM | 1715 | 50 | 0 | 9.079 | Pass |
| | | 1745 | 50 | 0 | 9.062 | Pass |
| | | 1775 | 50 | 0 | 9.064 | Pass |
| 15 | QPSK | 1717.5 | 75 | 0 | 13.627 | Pass |
| | | 1745 | 75 | 0 | 13.653 | Pass |
| | | 1772.5 | 75 | 0 | 13.652 | Pass |
| | 16QAM | 1717.5 | 75 | 0 | 13.676 | Pass |
| | | 1745 | 75 | 0 | 13.660 | Pass |
| | | 1772.5 | 75 | 0 | 13.690 | Pass |
| | 64QAM | 1717.5 | 75 | 0 | 13.625 | Pass |
| | | 1745 | 75 | 0 | 13.628 | Pass |
| | | 1772.5 | 75 | 0 | 13.695 | Pass |
| 20 | QPSK | 1720 | 100 | 0 | 18.181 | Pass |
| | | 1745 | 100 | 0 | 18.187 | Pass |
| | | 1770 | 100 | 0 | 18.181 | Pass |
| | 16QAM | 1720 | 100 | 0 | 18.160 | Pass |
| | | 1745 | 100 | 0 | 18.150 | Pass |
| | | 1770 | 100 | 0 | 18.163 | Pass |
| | 64QAM | 1720 | 100 | 0 | 18.107 | Pass |
| | | 1745 | 100 | 0 | 18.135 | Pass |
| | | 1770 | 100 | 0 | 18.131 | Pass |

## TEST GRAPH

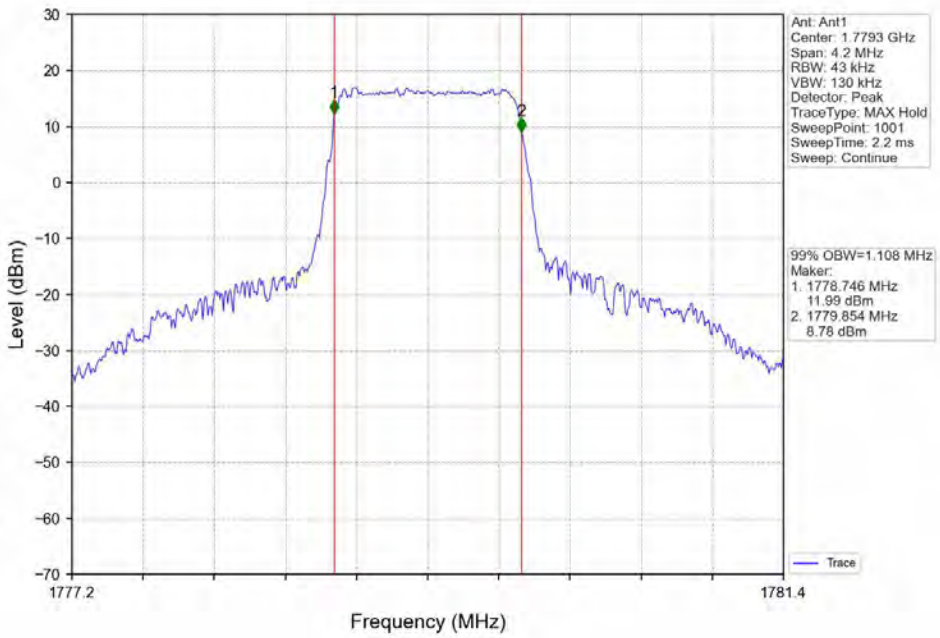
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



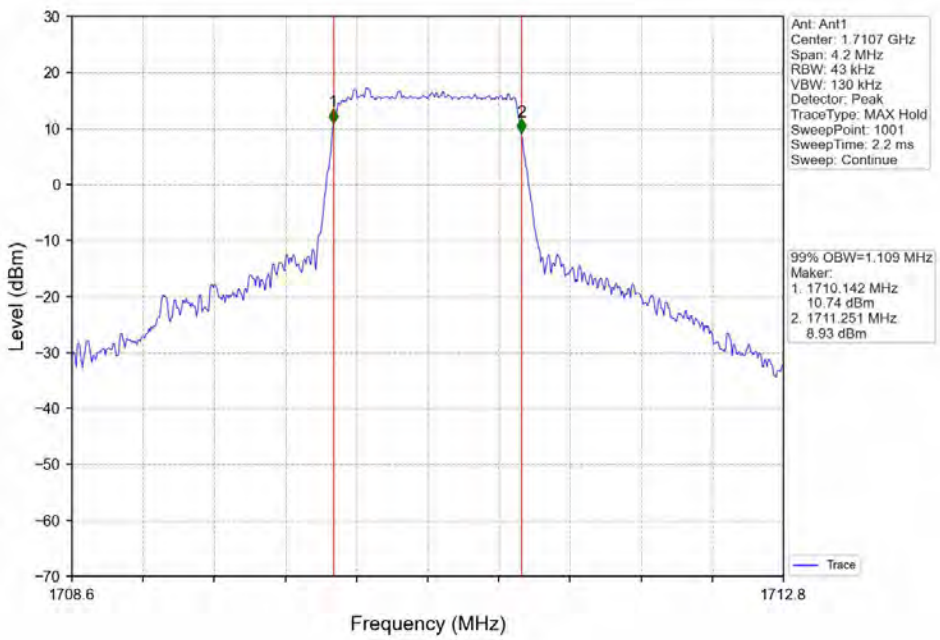

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



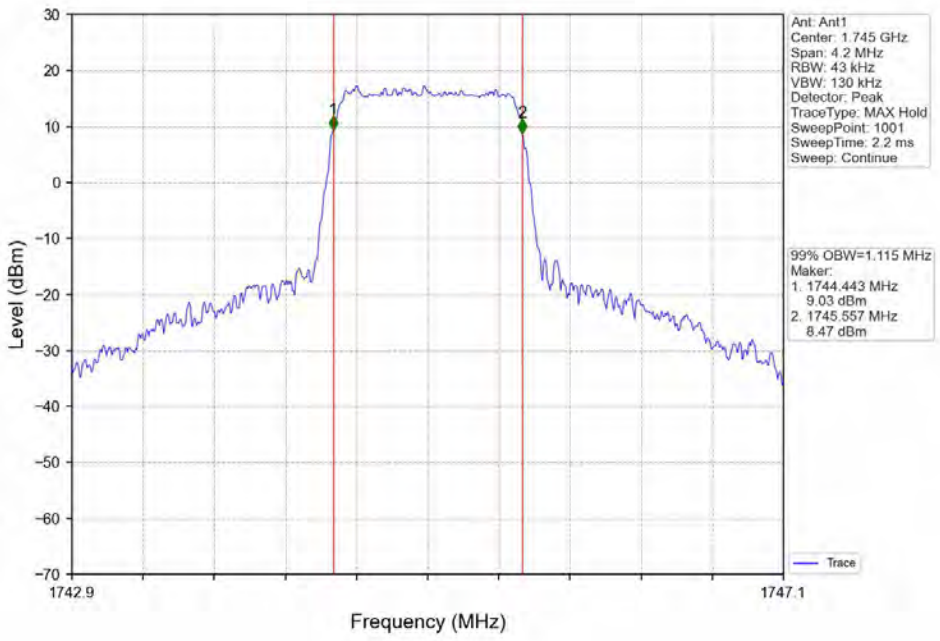
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



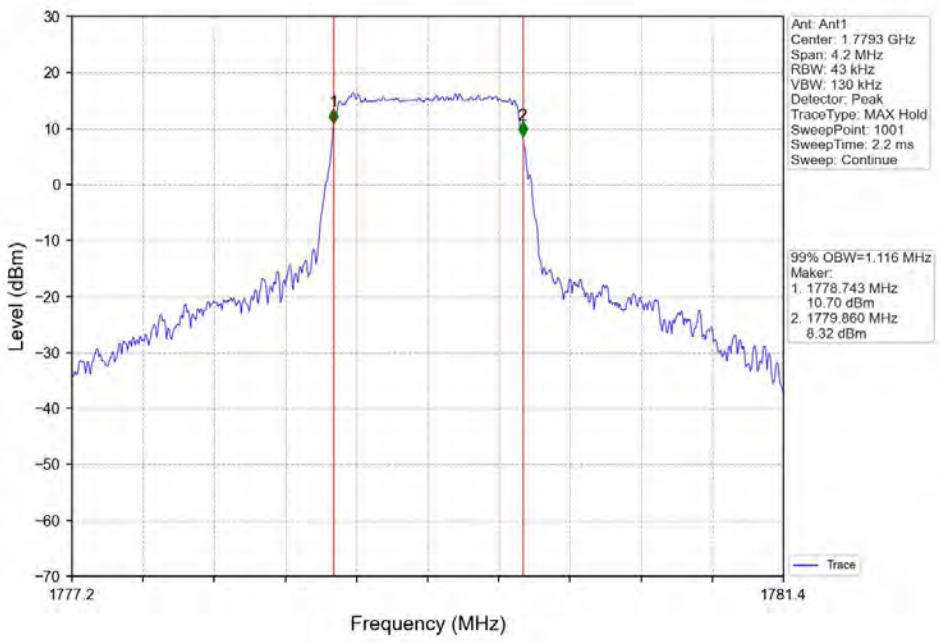

Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



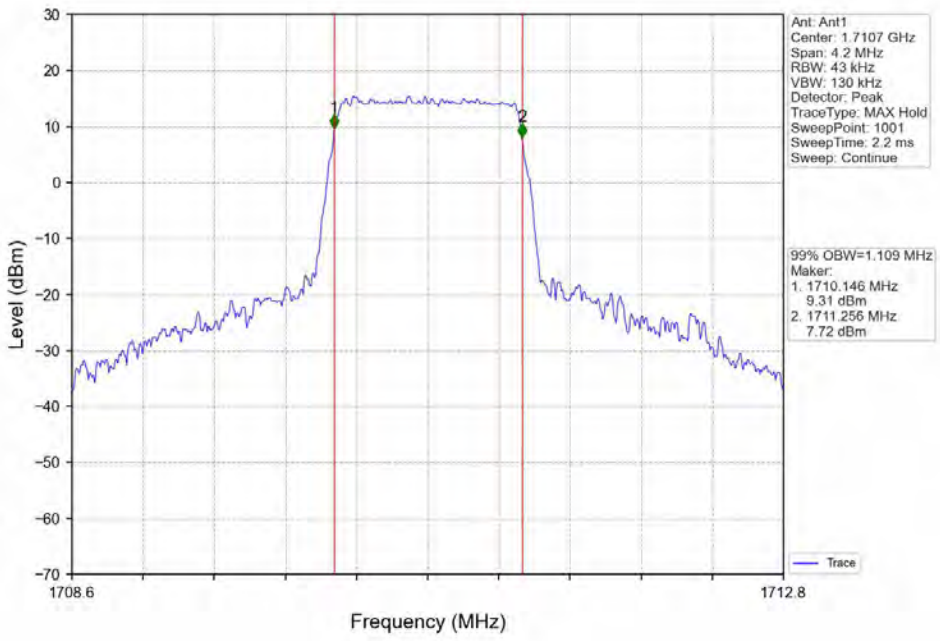
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



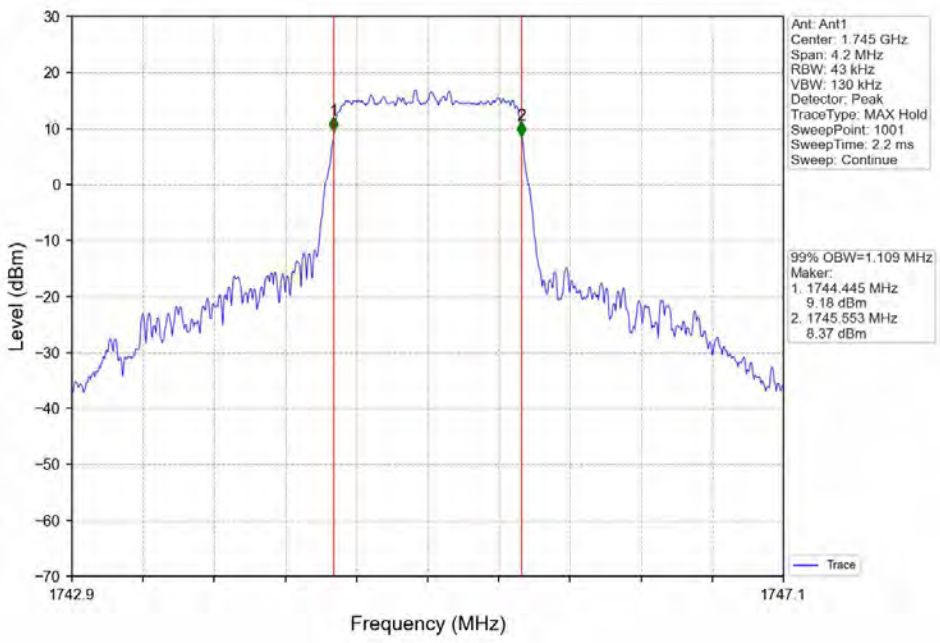

Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



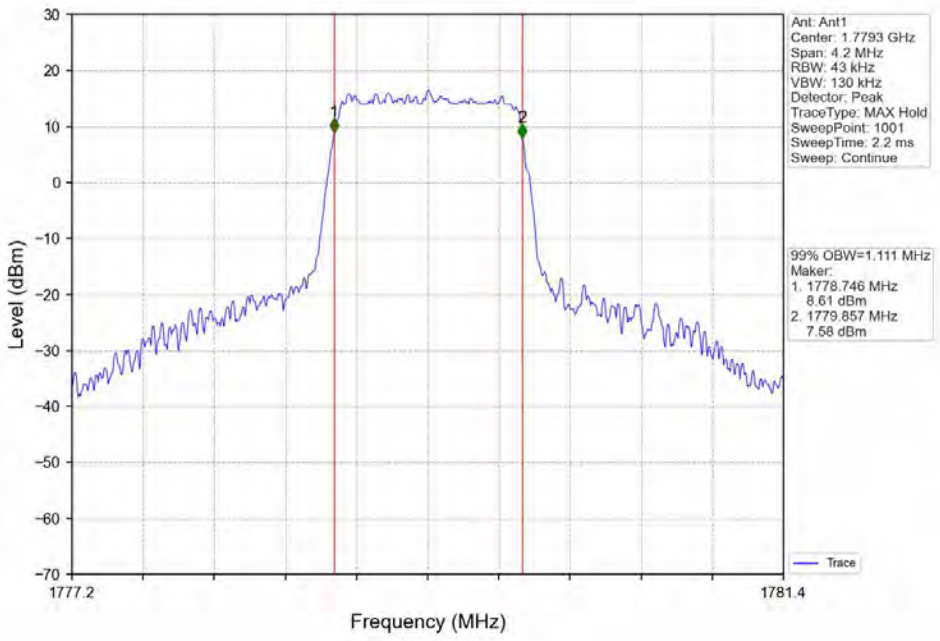
Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



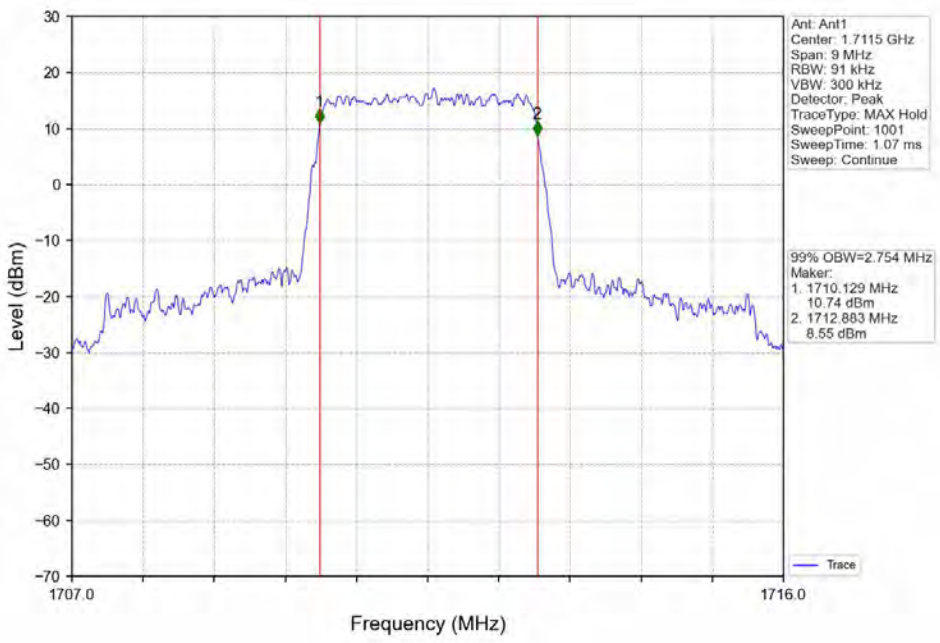

Band66_1.4MHz_64QAM_MCH_1745MHz_RB_6_0_NTNV



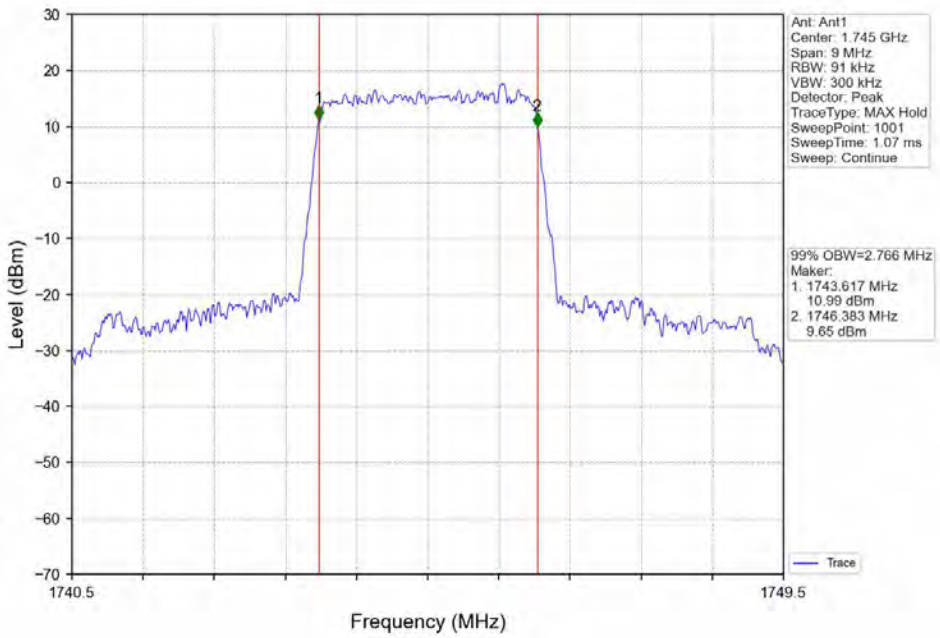
Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_6_0_NTNV



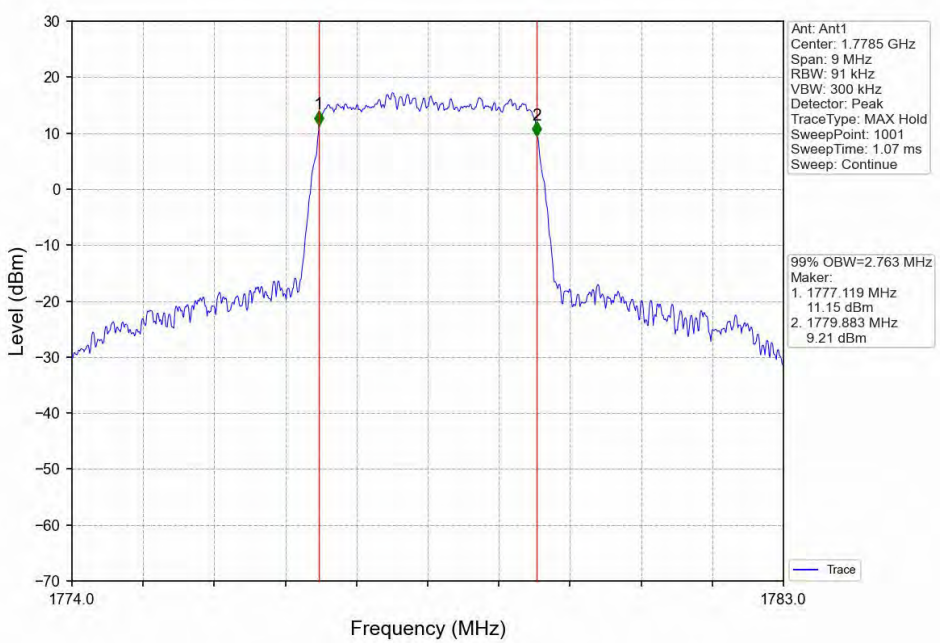

Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



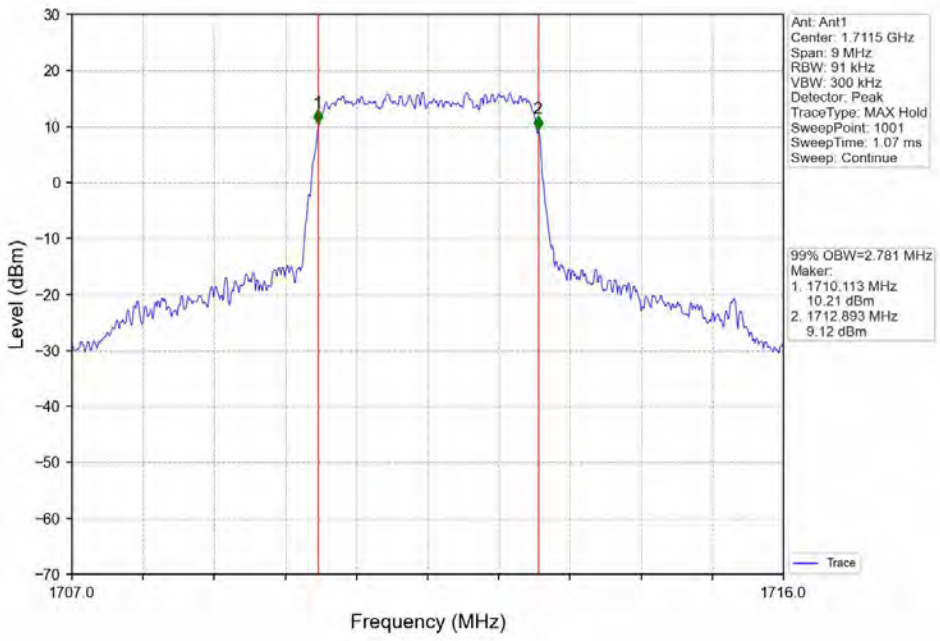
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



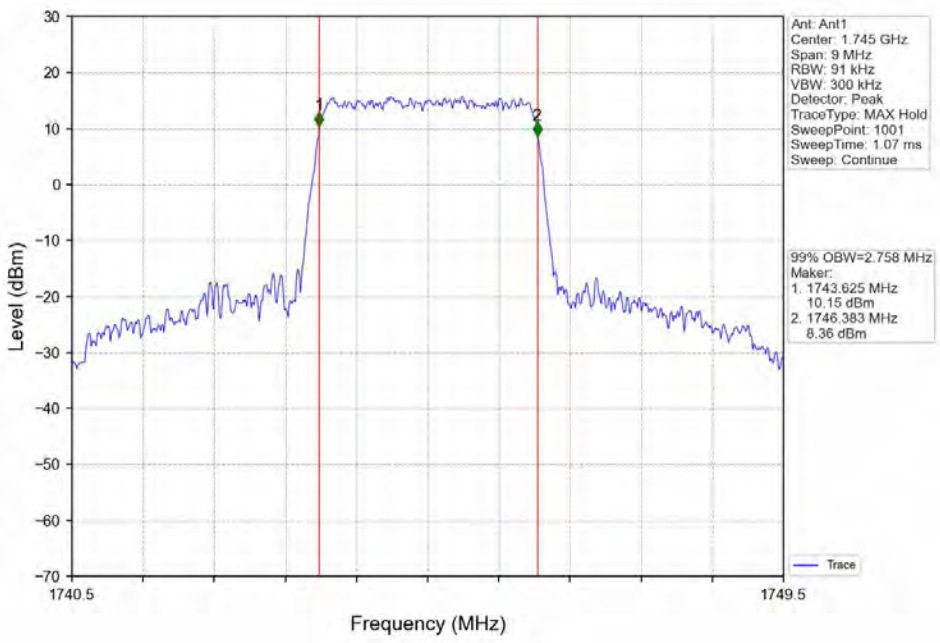

Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



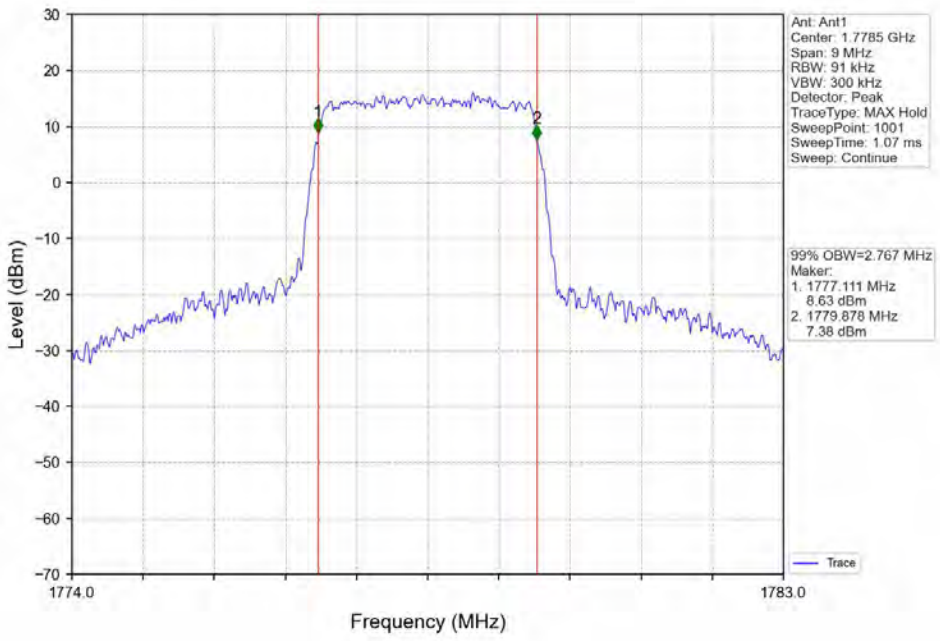
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



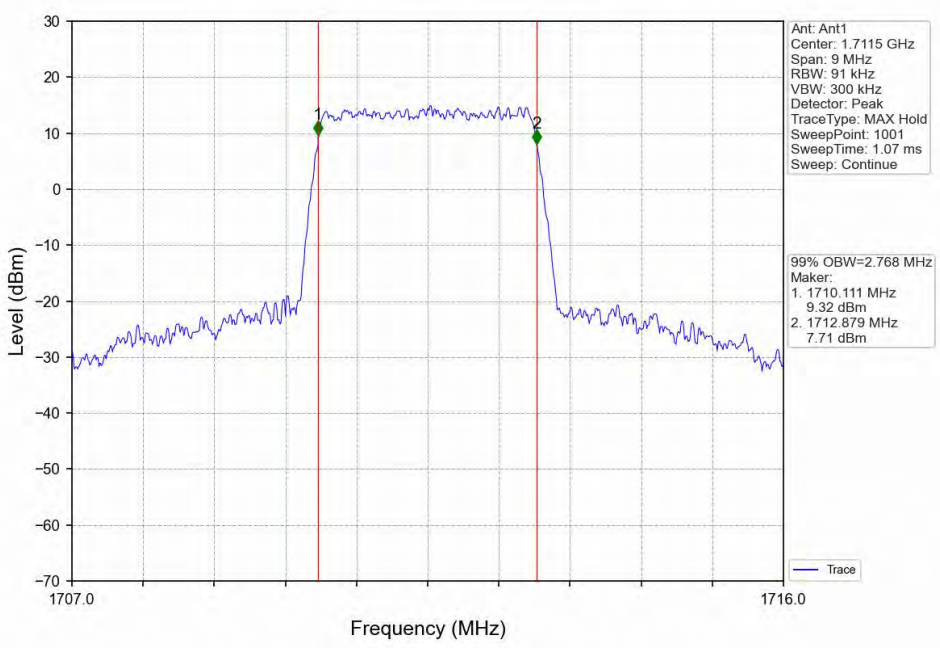

Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



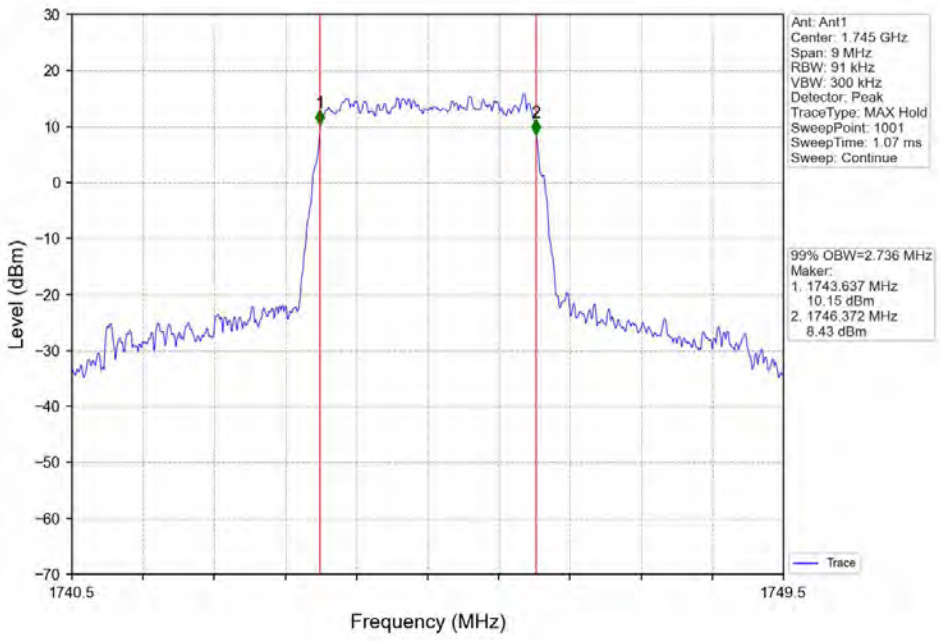
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



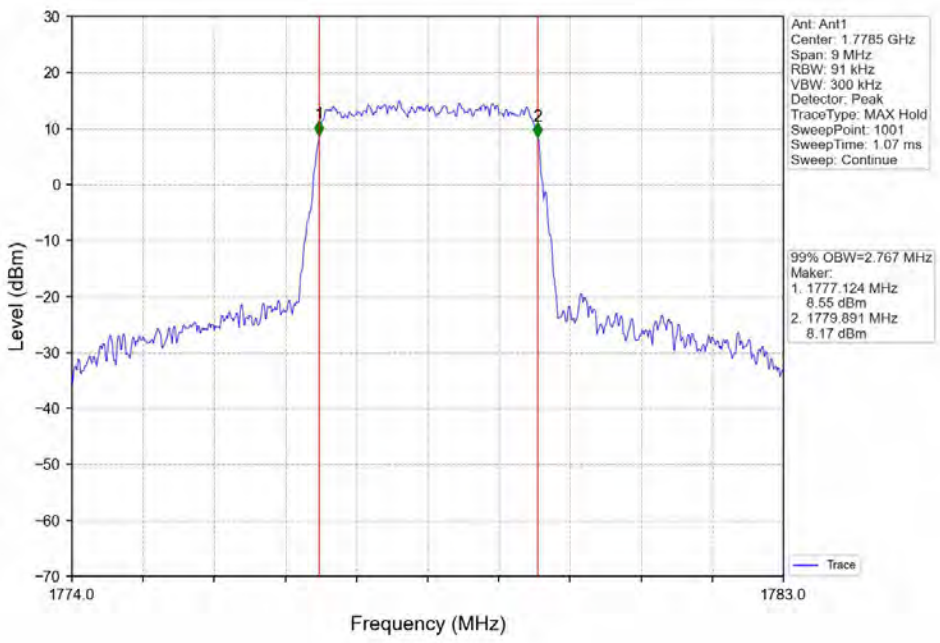

Band66_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



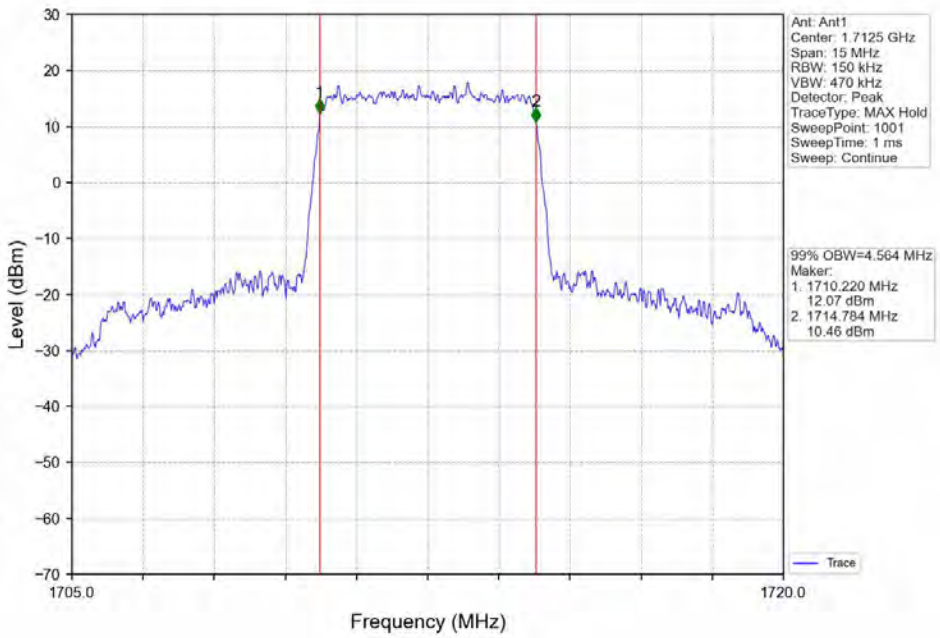
Band66_3MHz_64QAM_MCH_1745MHz_RB_15_0_NTNV



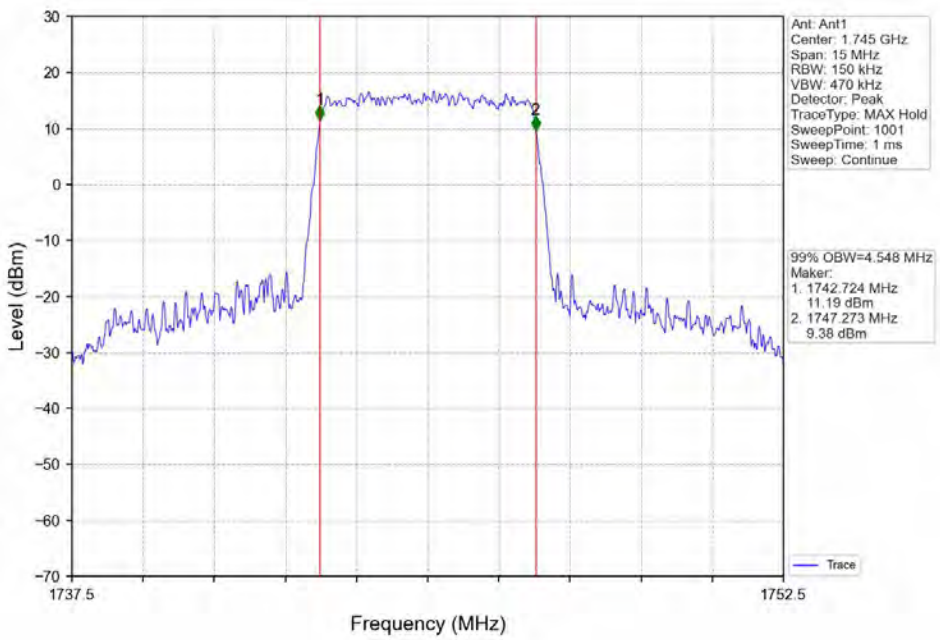

Band66_3MHz_64QAM_HCH_1778.5MHz_RB_15_0_NTNV



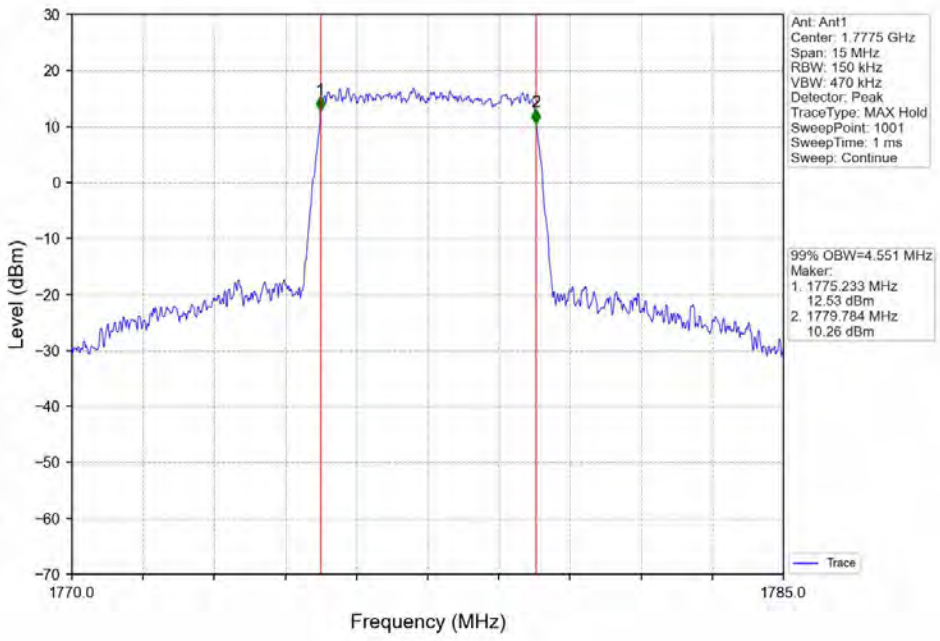
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



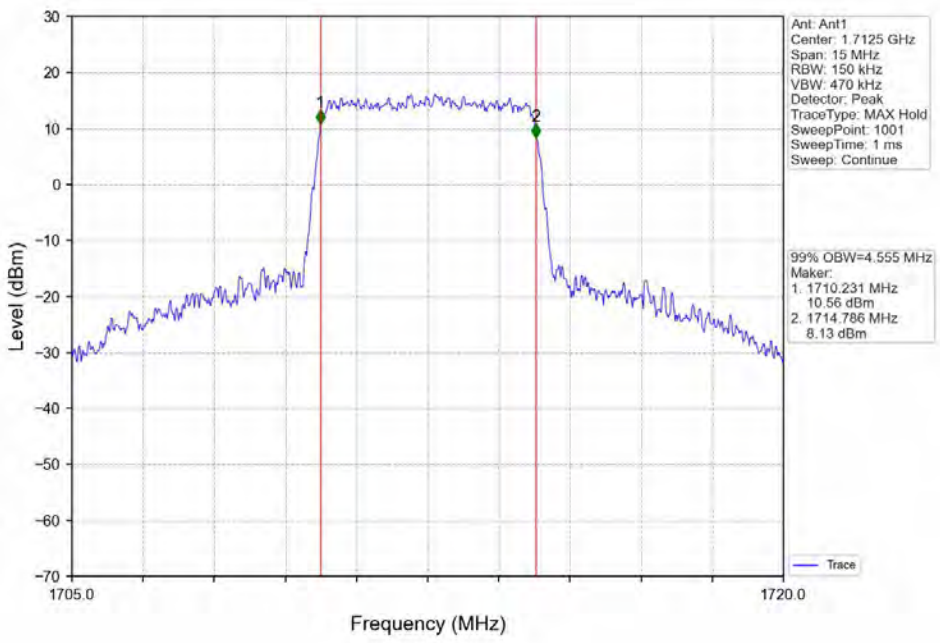

Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



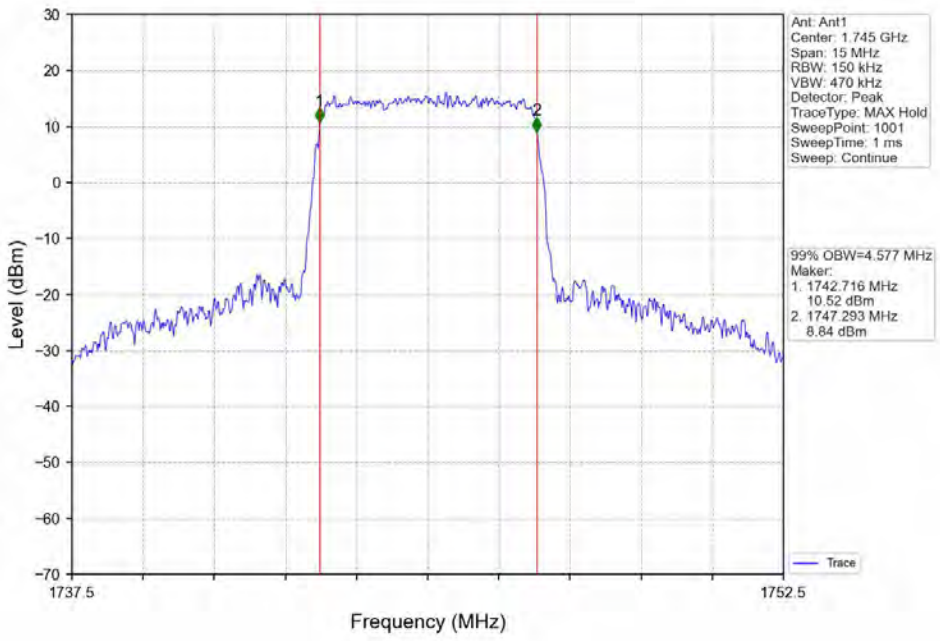
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



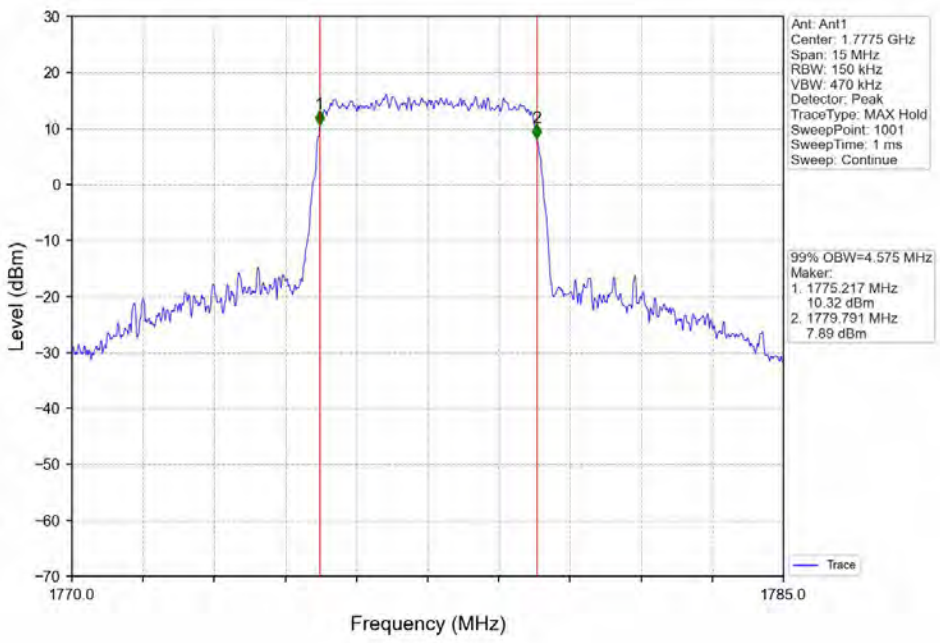

Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



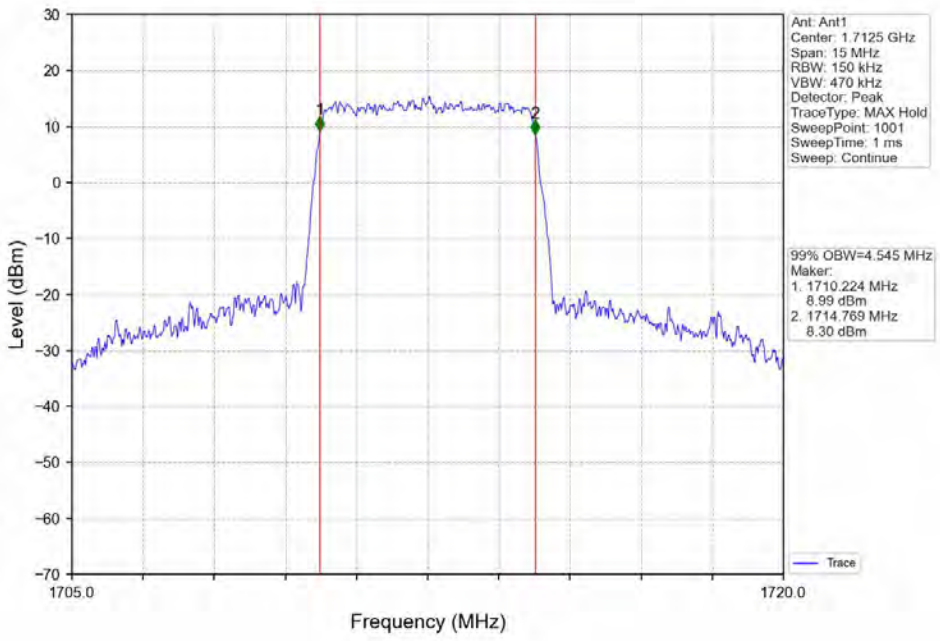
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



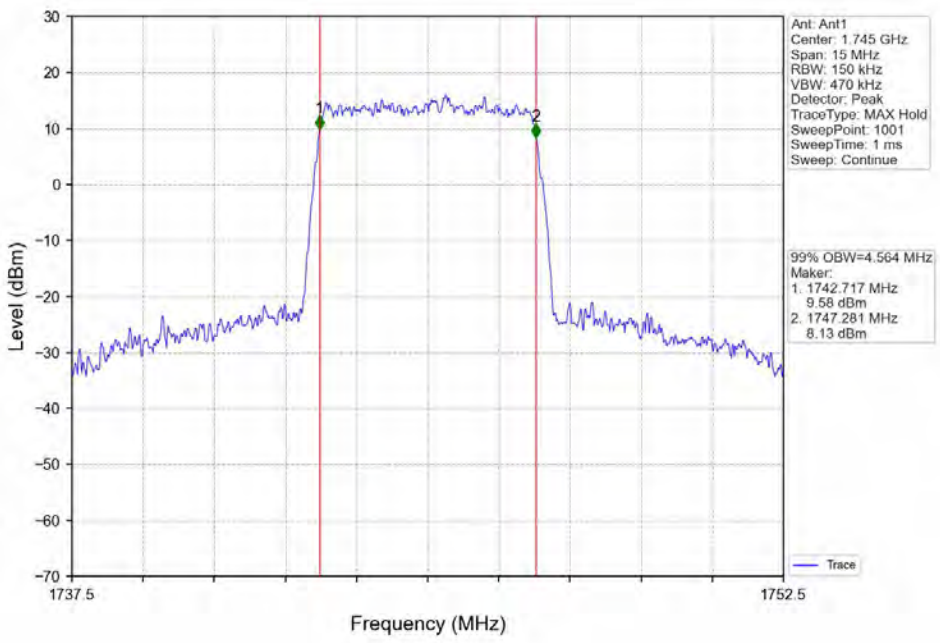

Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



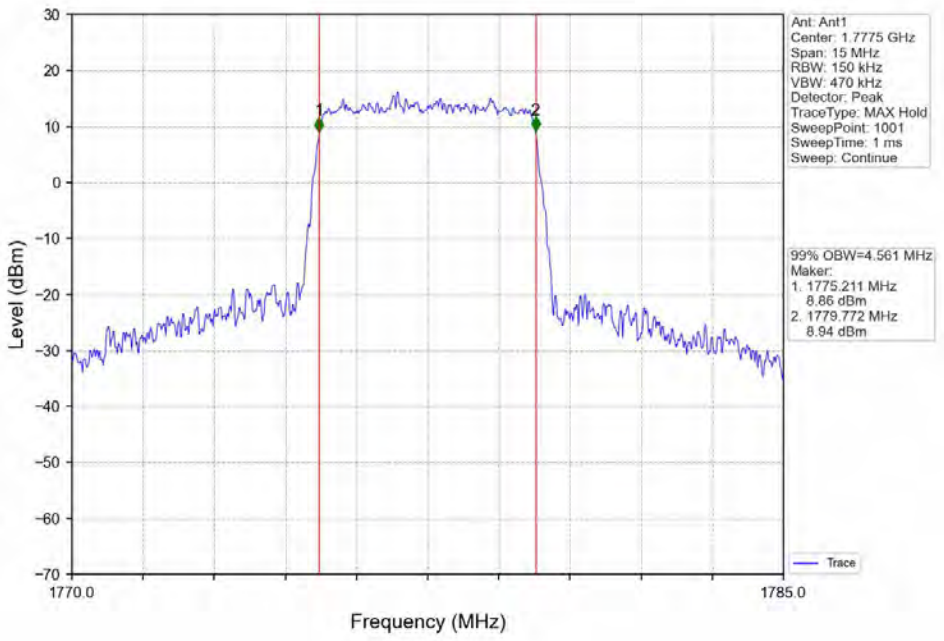
Band66_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



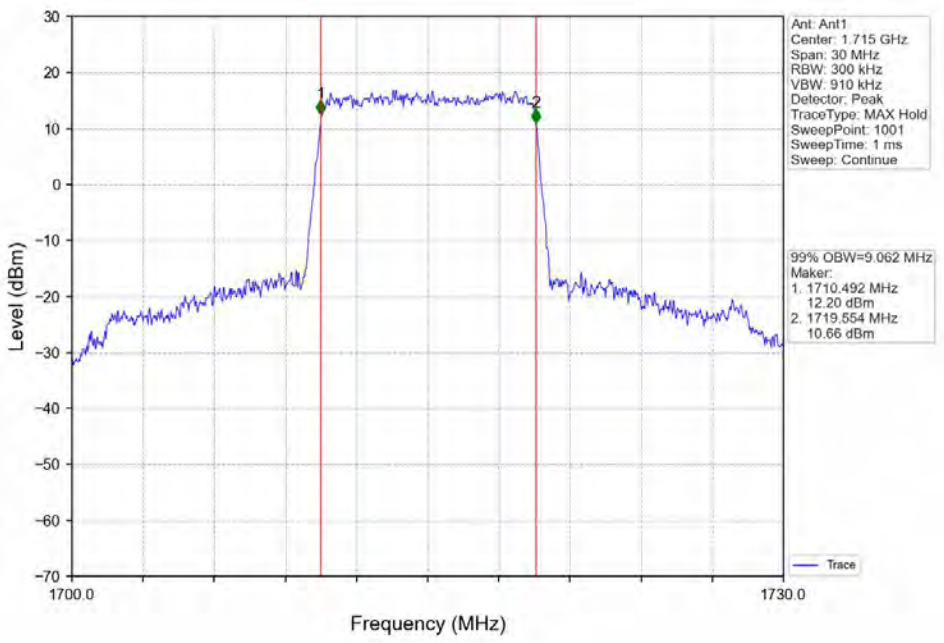

Band66_5MHz_64QAM_MCH_1745MHz_RB_25_0_NTNV



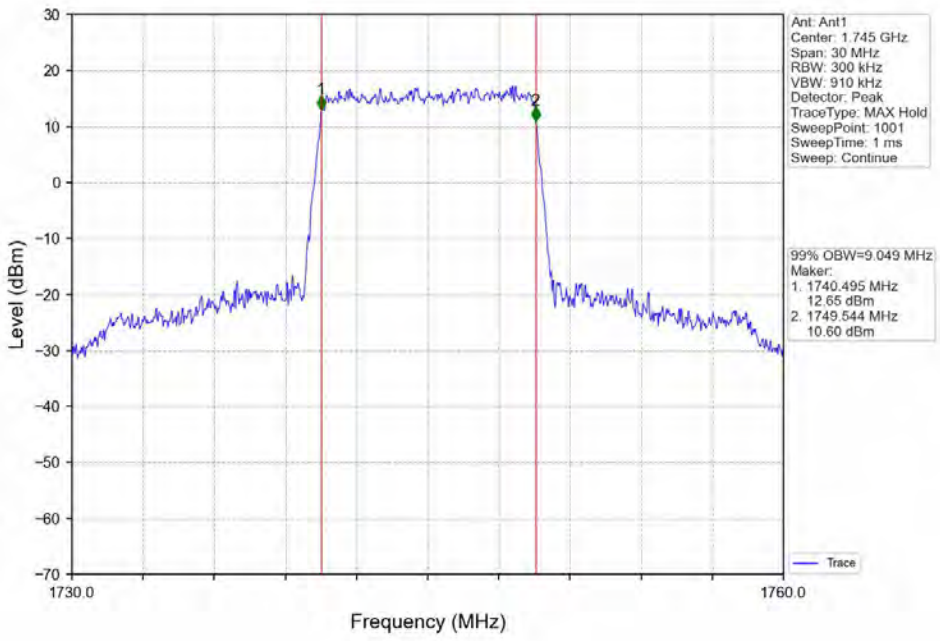
Band66_5MHz_64QAM_HCH_1777.5MHz_RB_25_0_NTNV



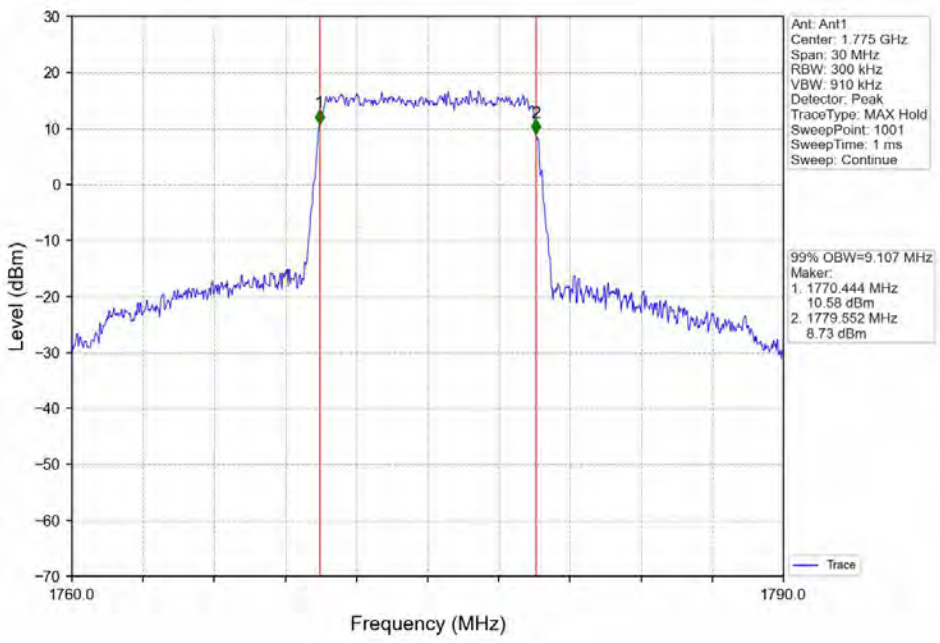

Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



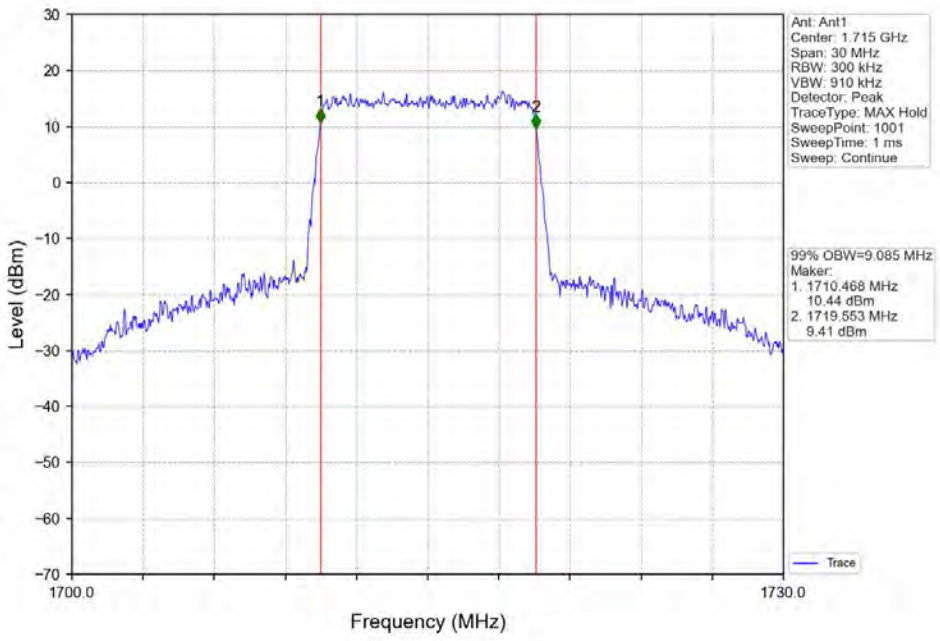
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



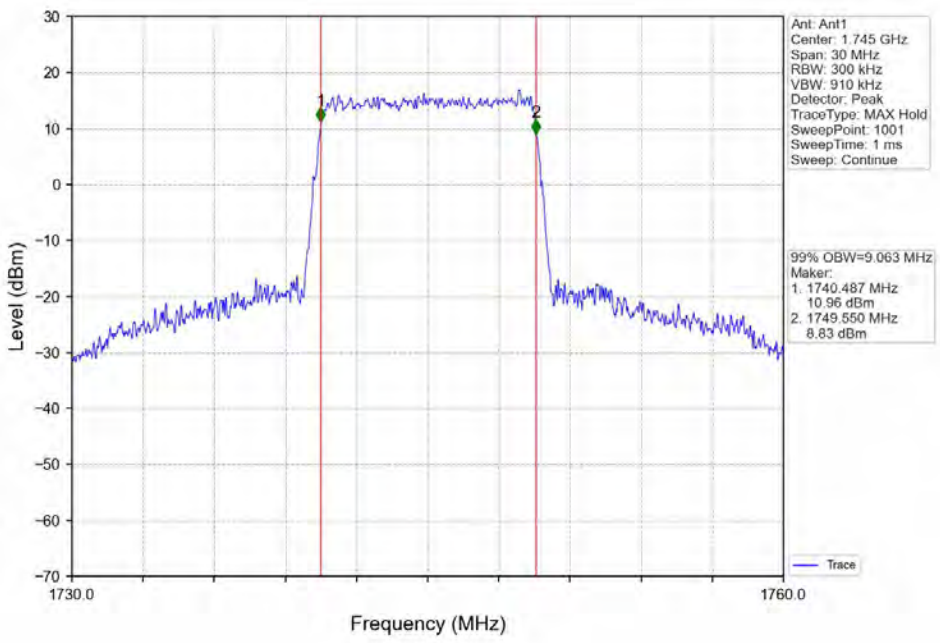

Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



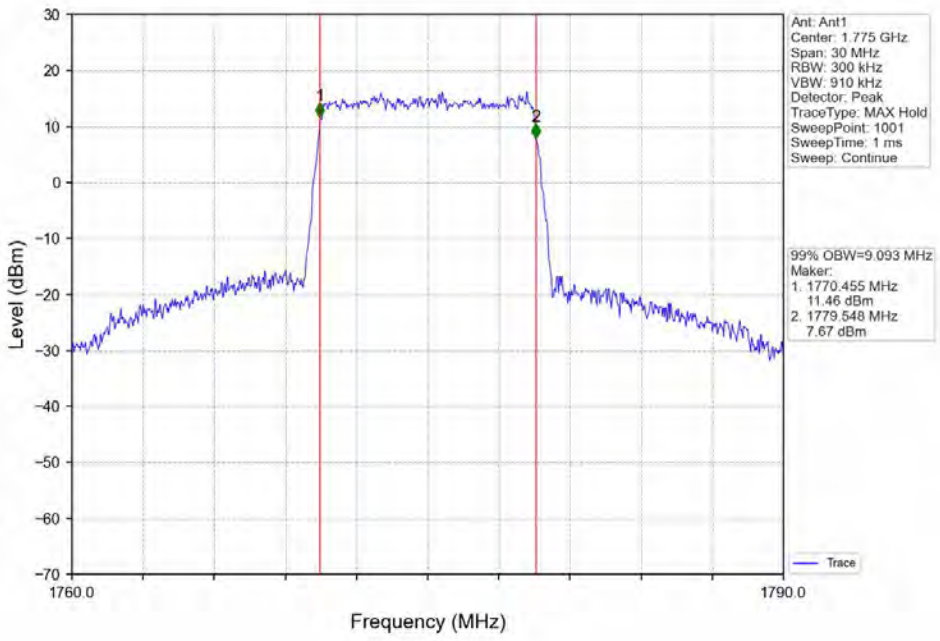
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



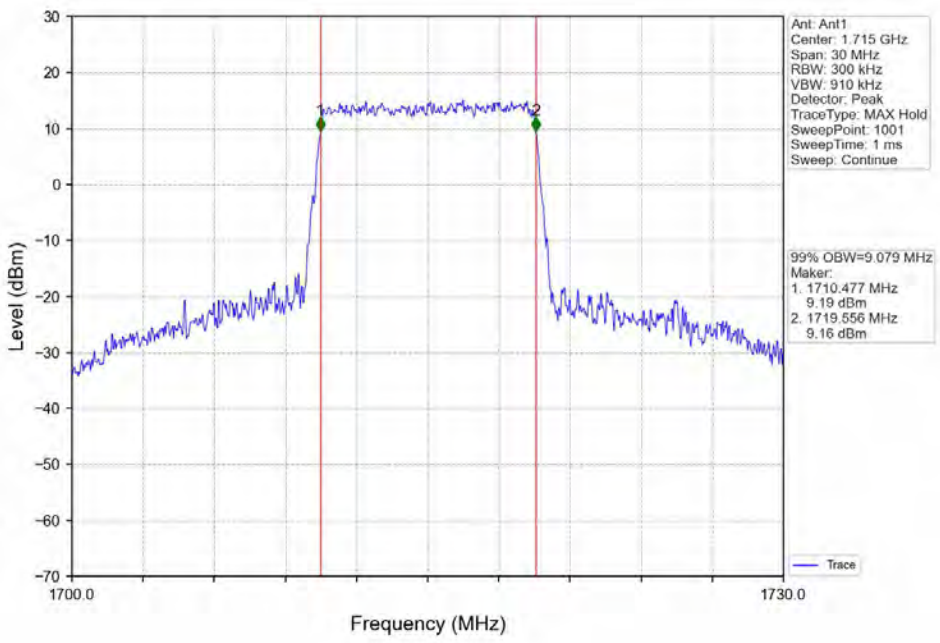

Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



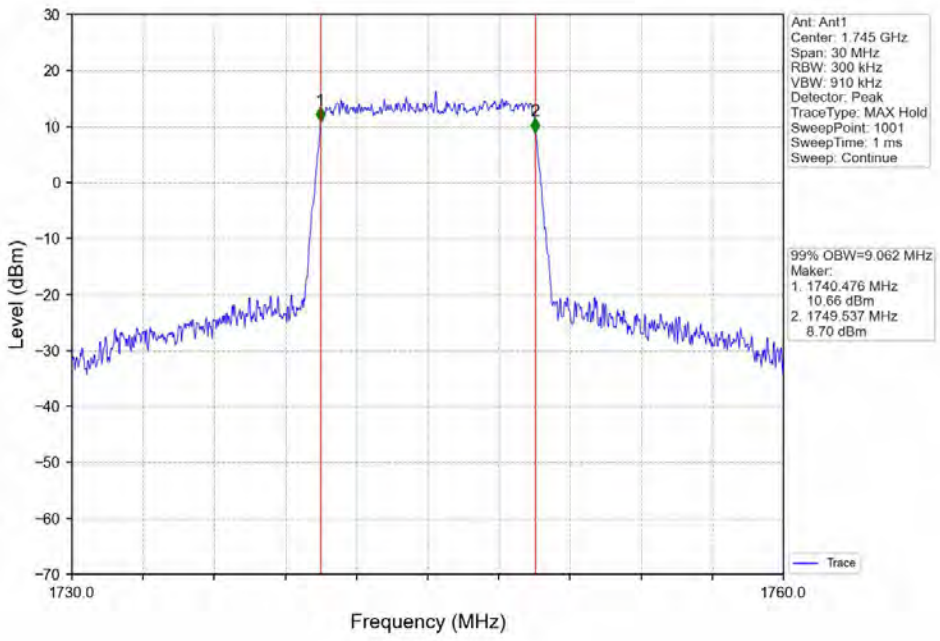
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



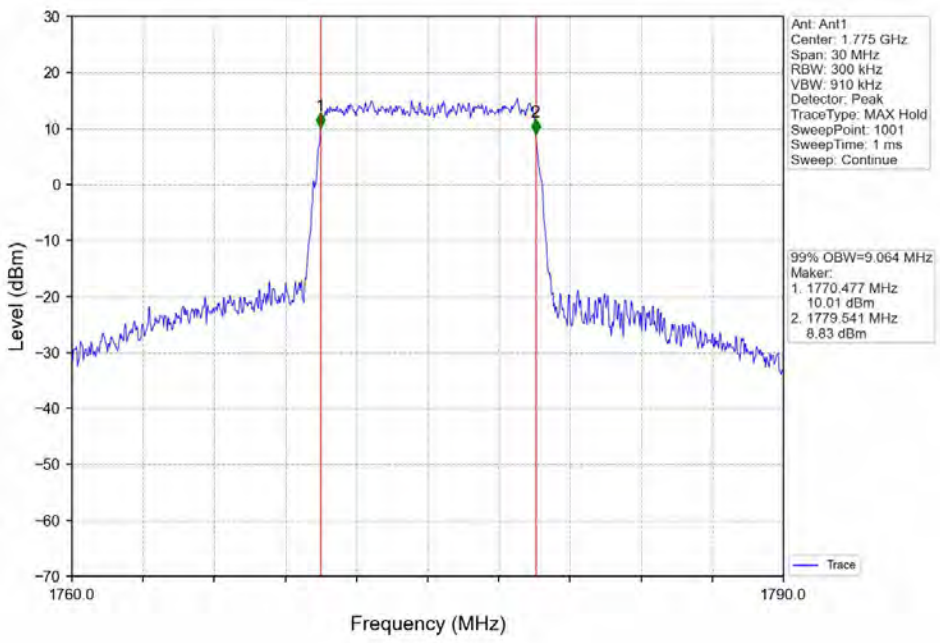

Band66_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



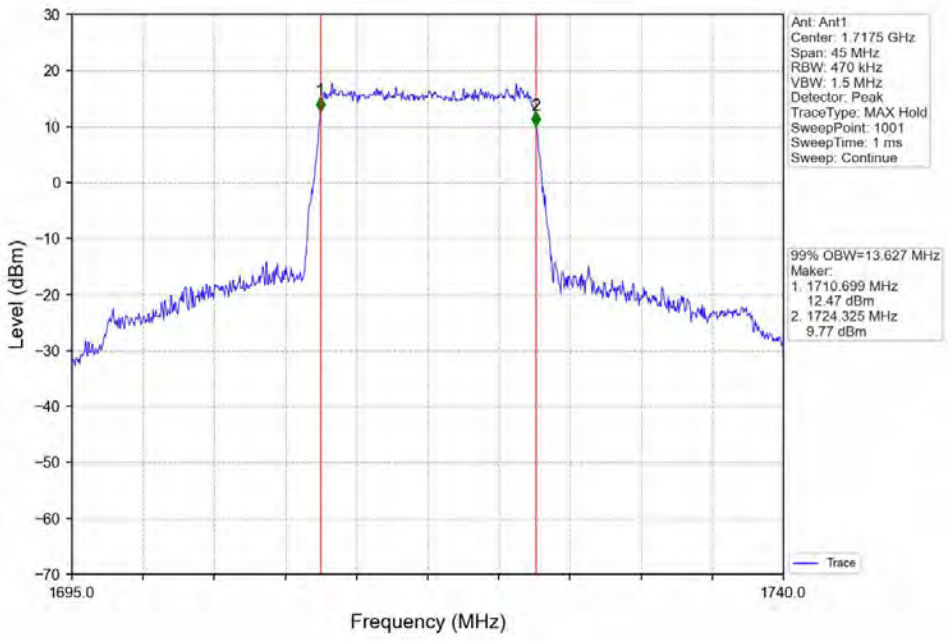
Band66_10MHz_64QAM_MCH_1745MHz_RB_50_0_NTNV



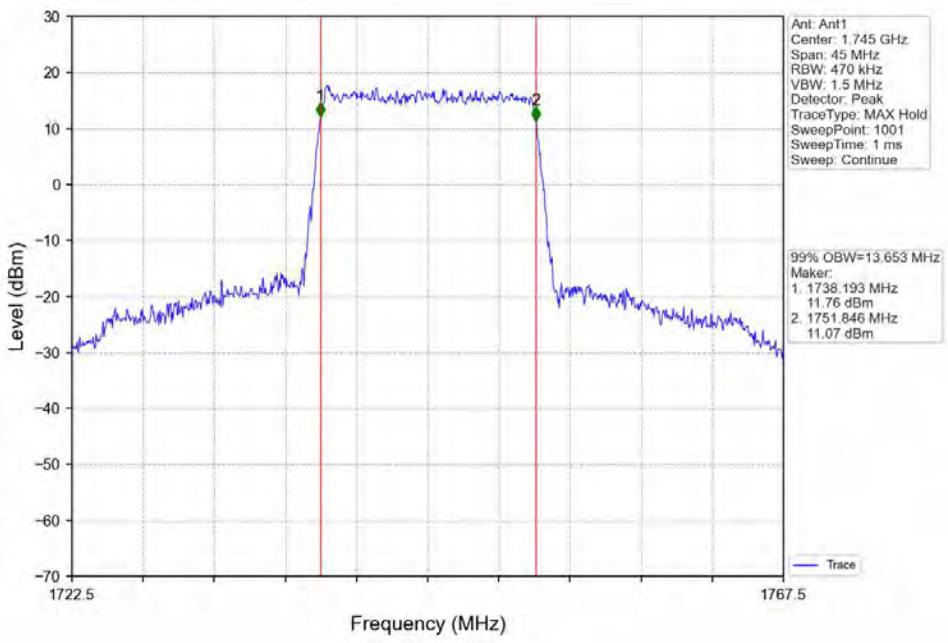

Band66_10MHz_64QAM_HCH_1775MHz_RB_50_0_NTNV



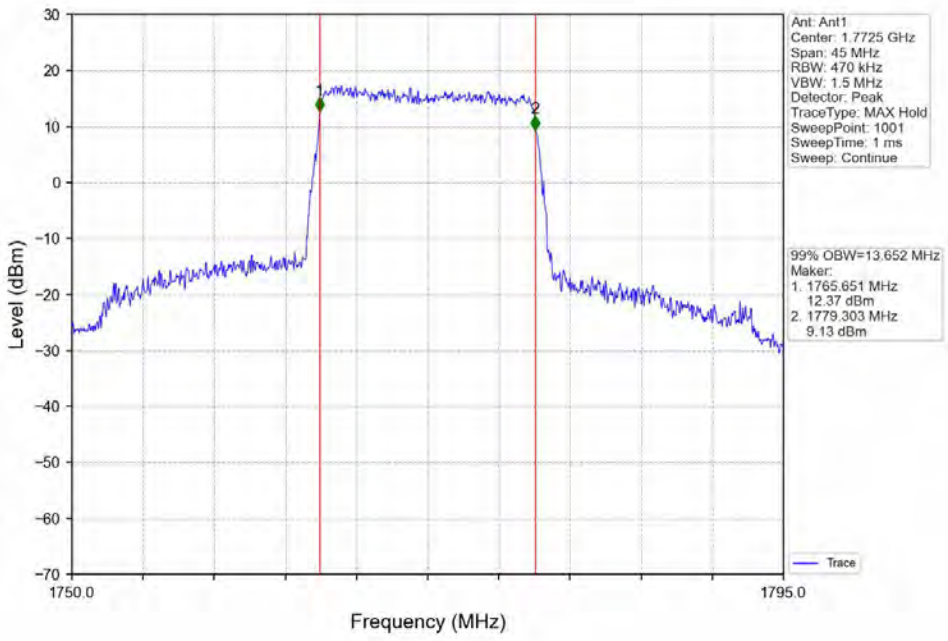
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



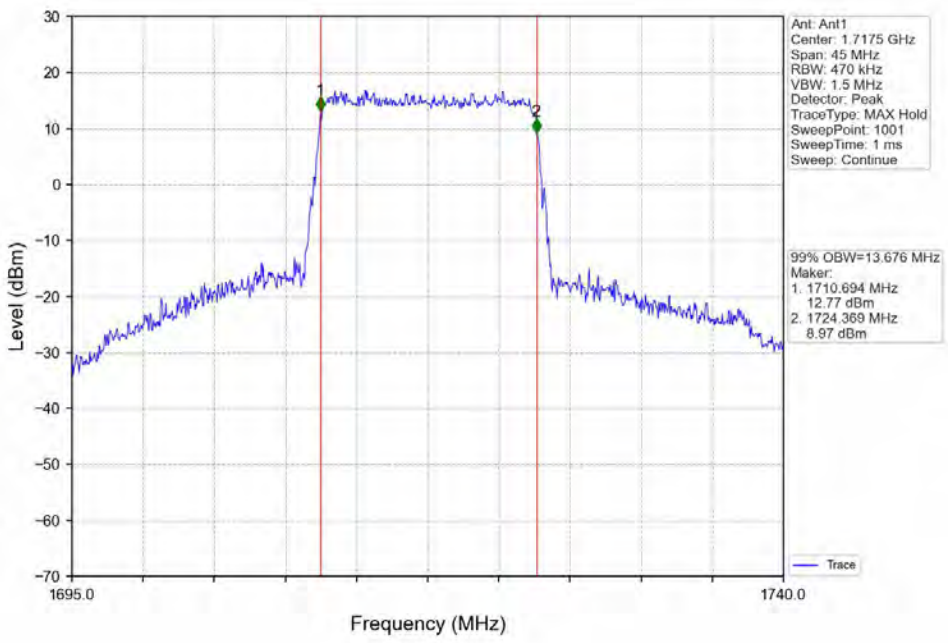

Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



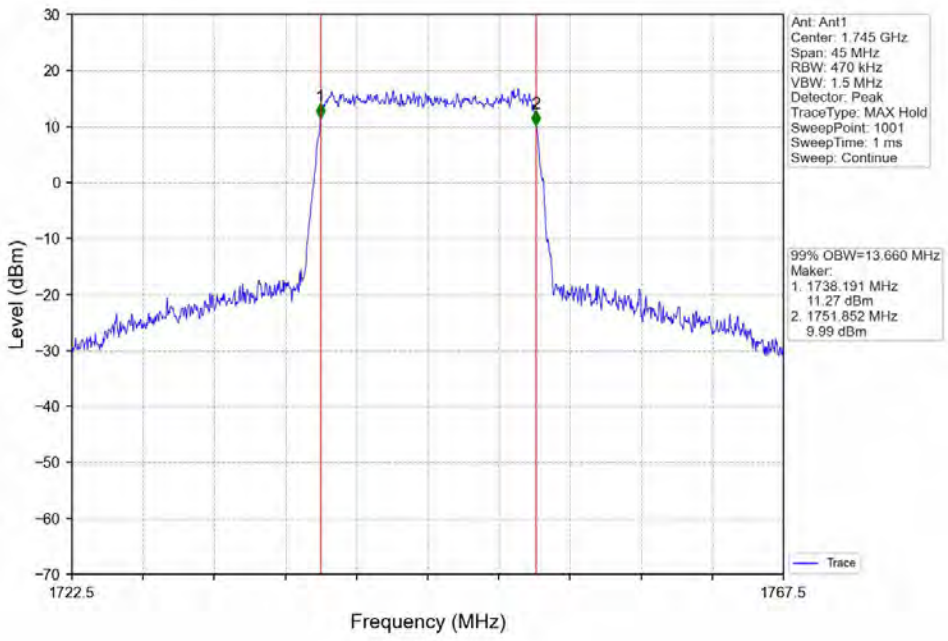
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



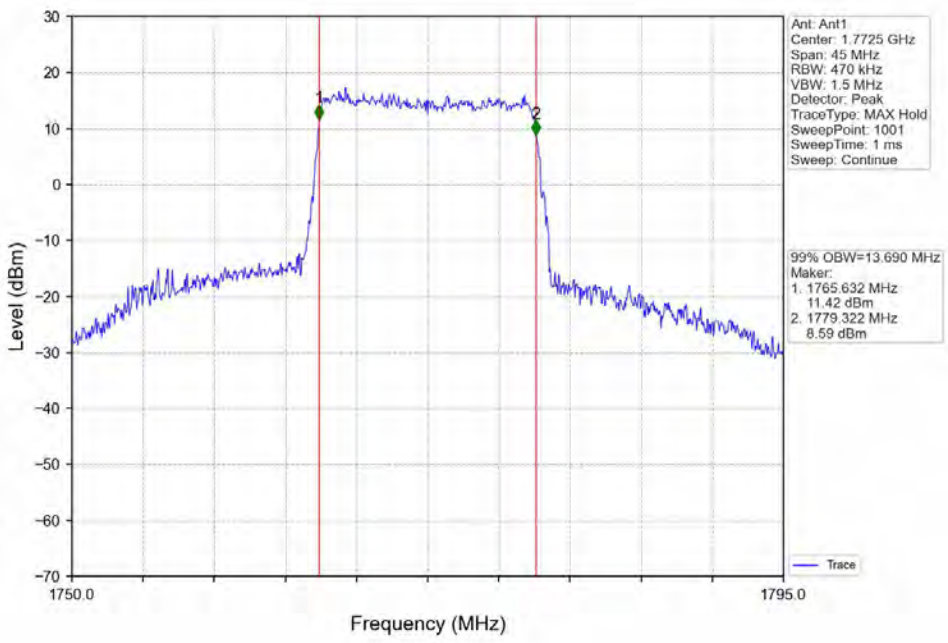

Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



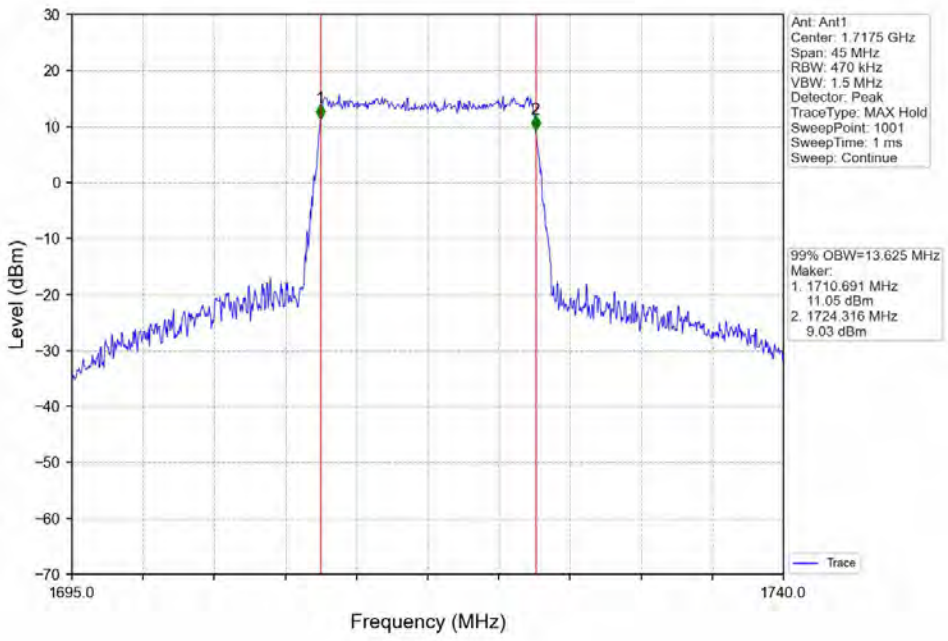
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



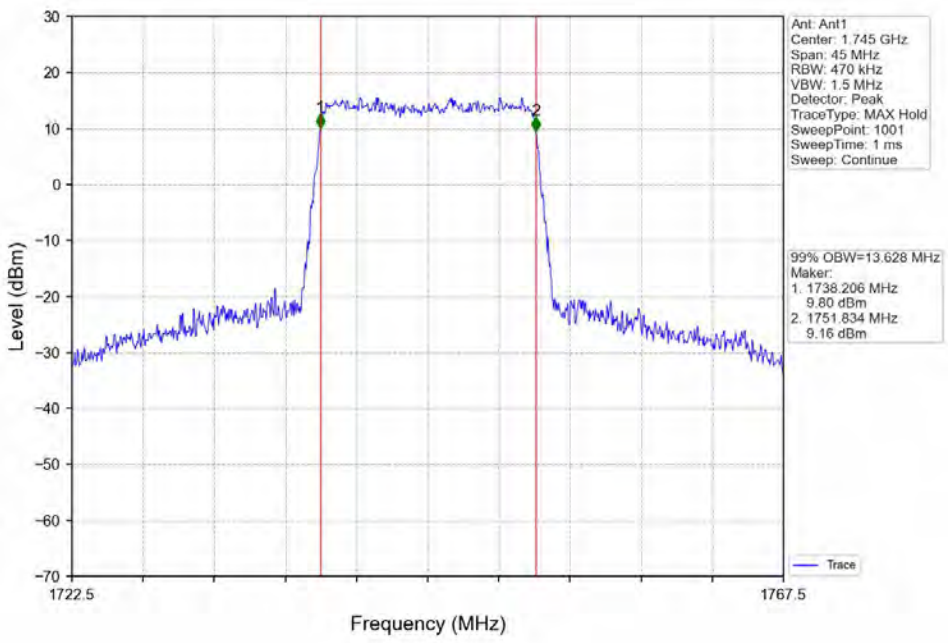

Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



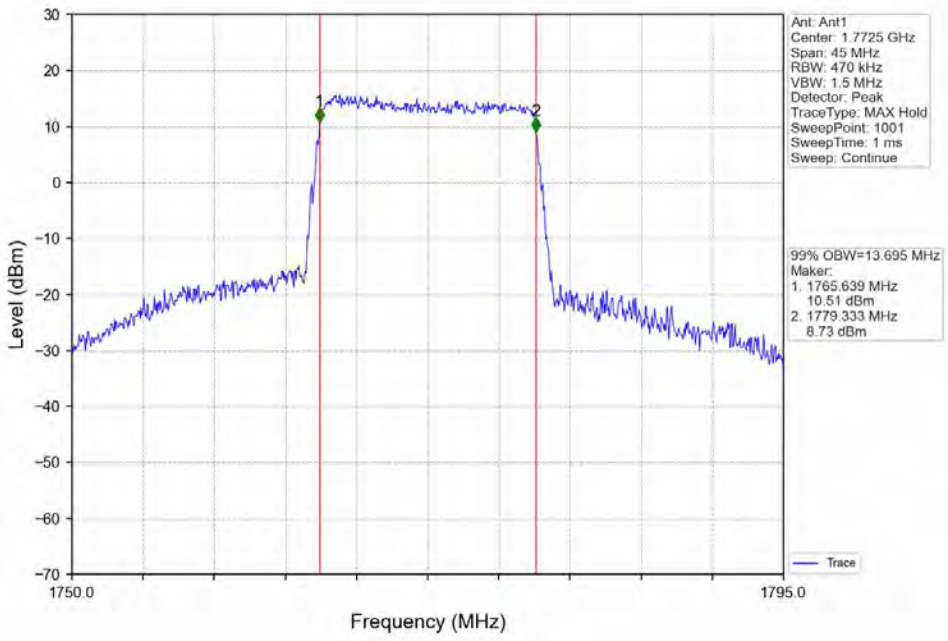
Band66_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



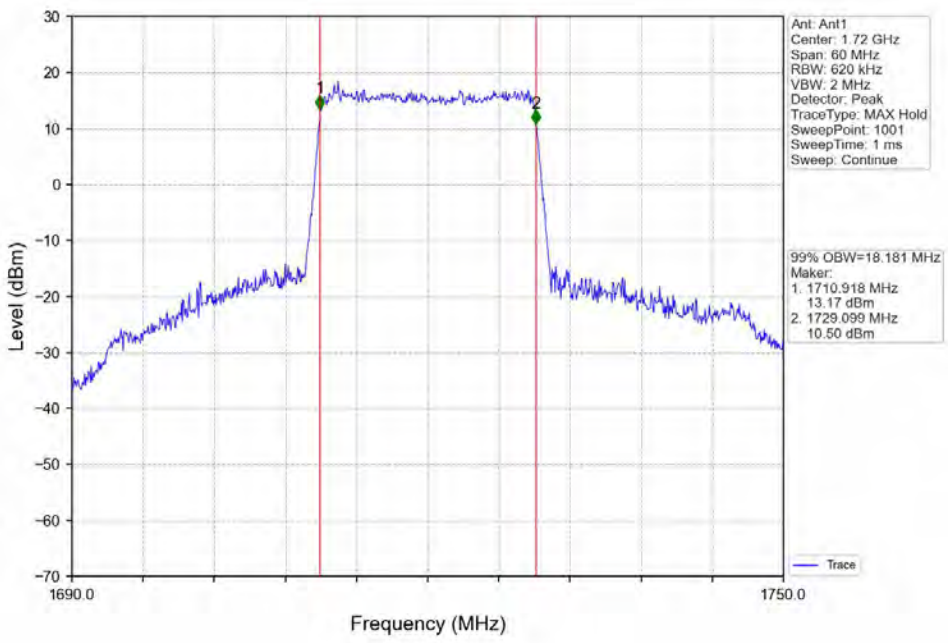

Band66_15MHz_64QAM_MCH_1745MHz_RB_75_0_NTNV



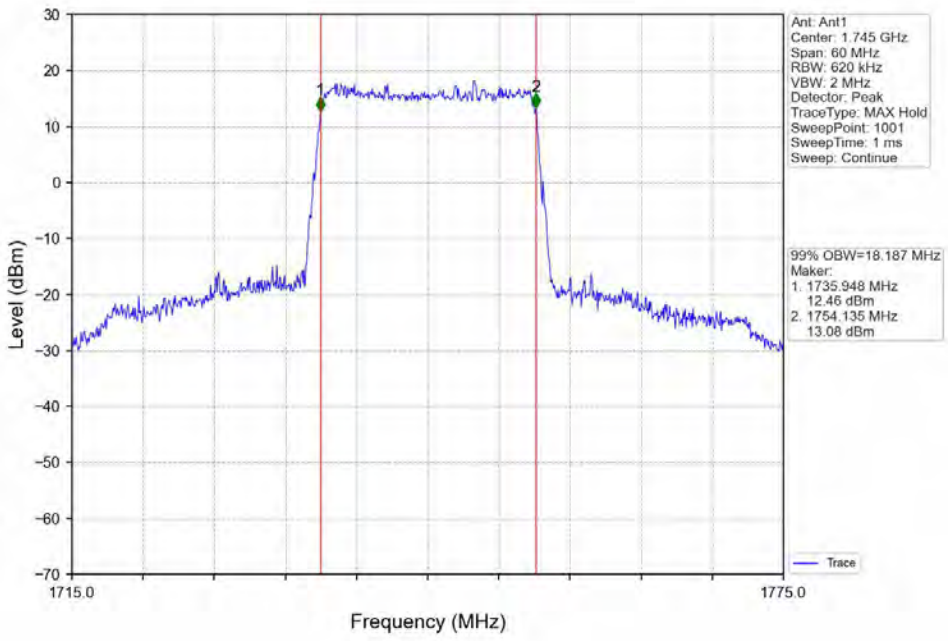
Band66_15MHz_64QAM_HCH_1772.5MHz_RB_75_0_NTNV



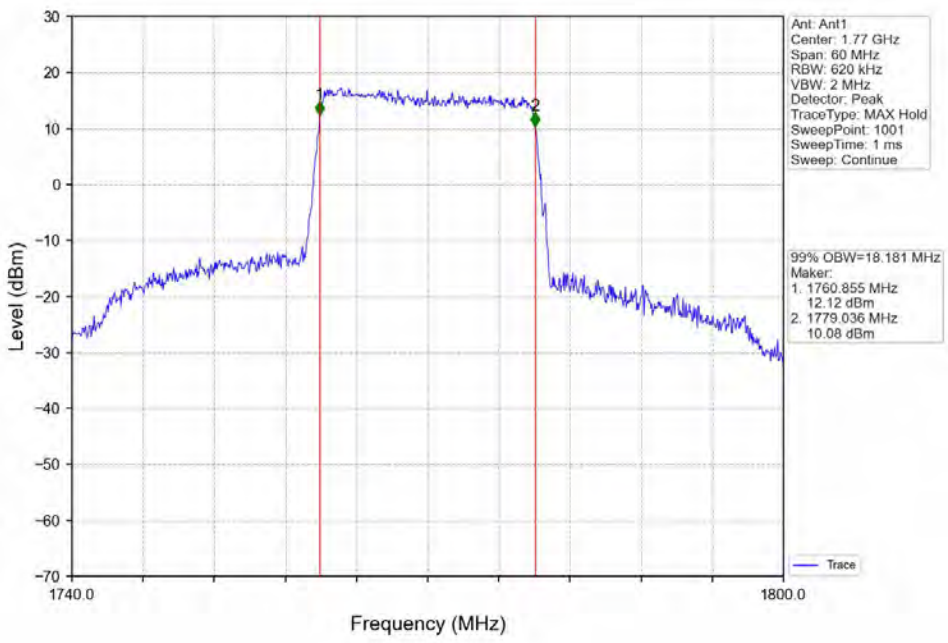

Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



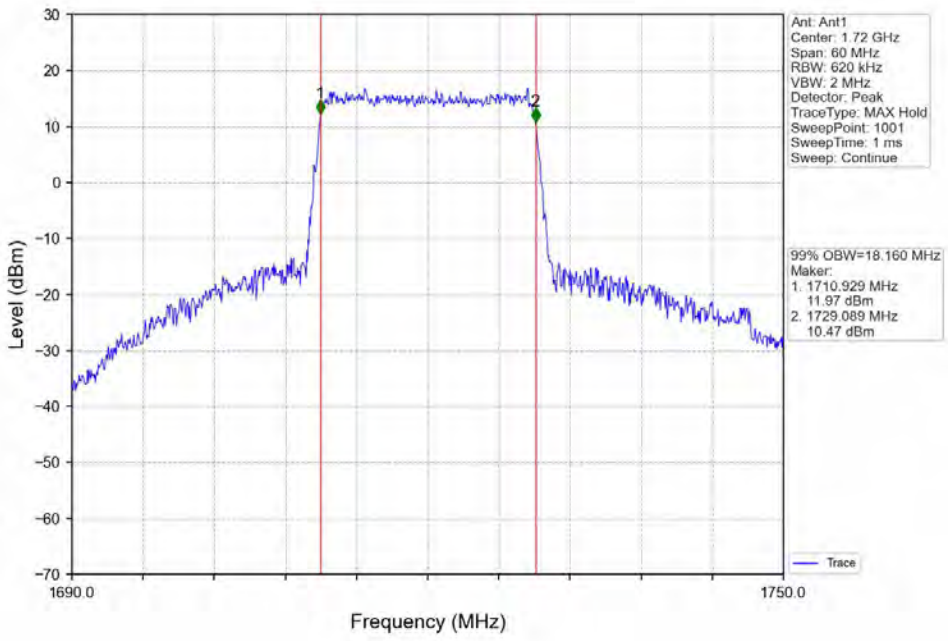
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



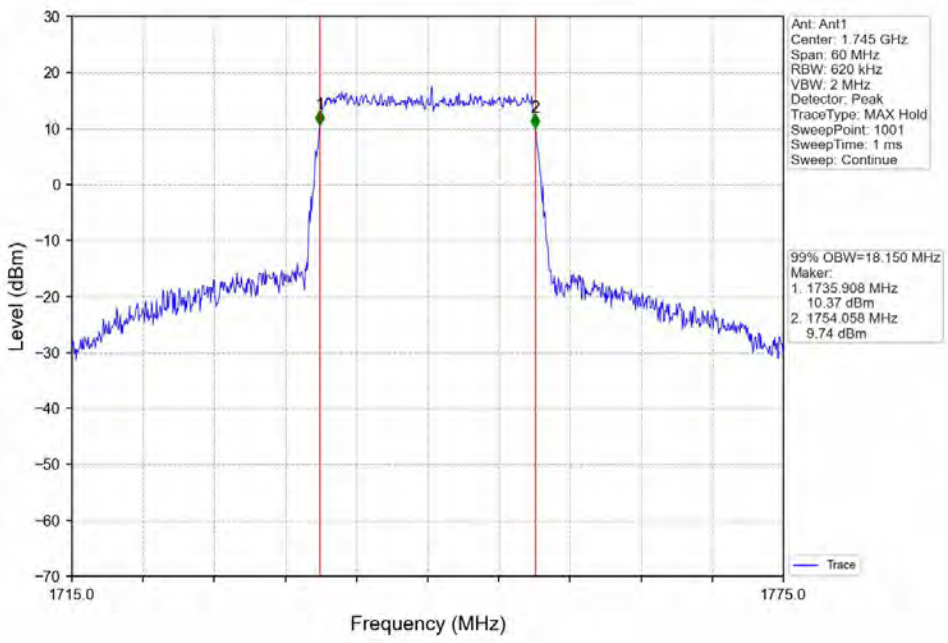

Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



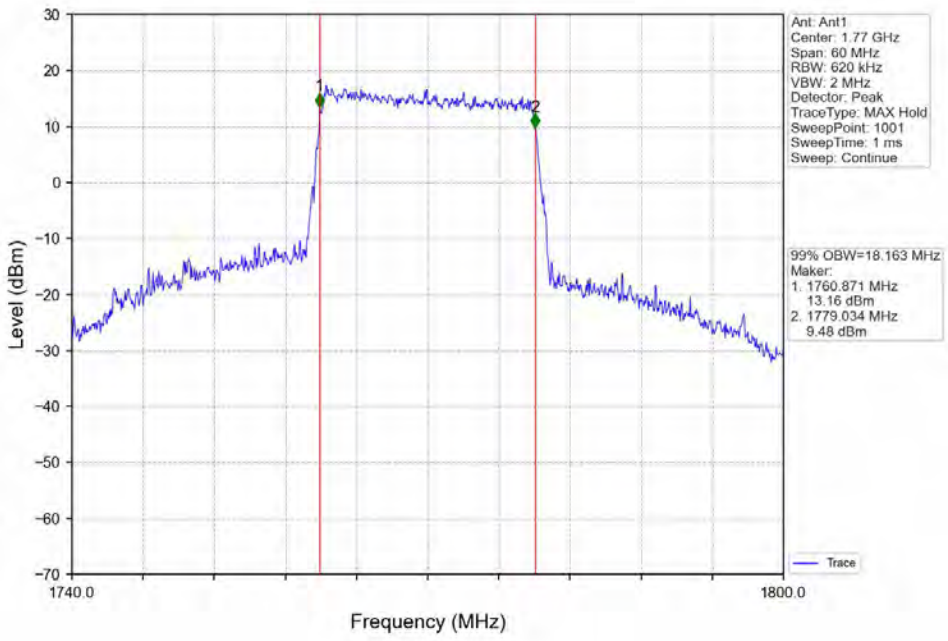
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



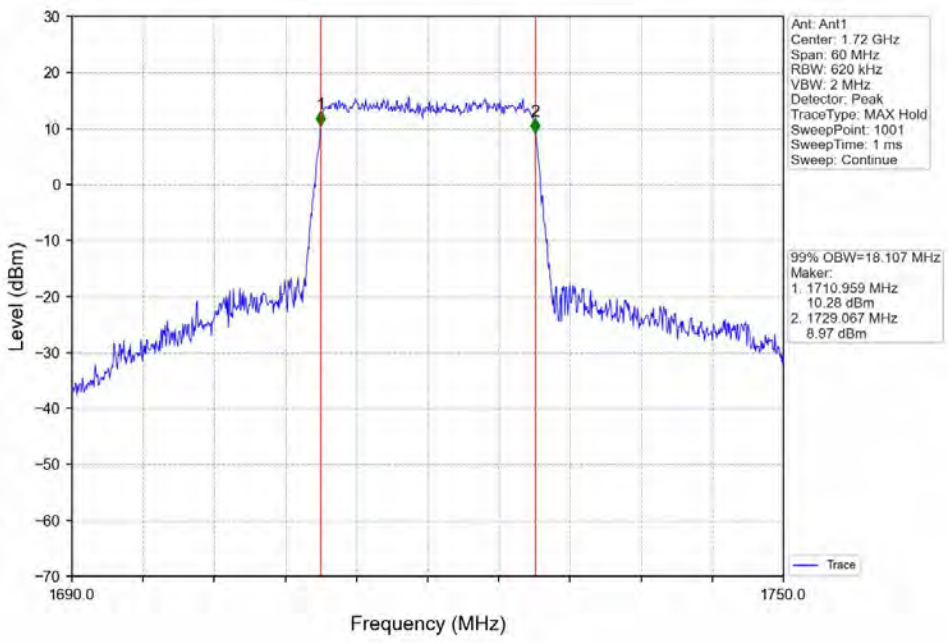

Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



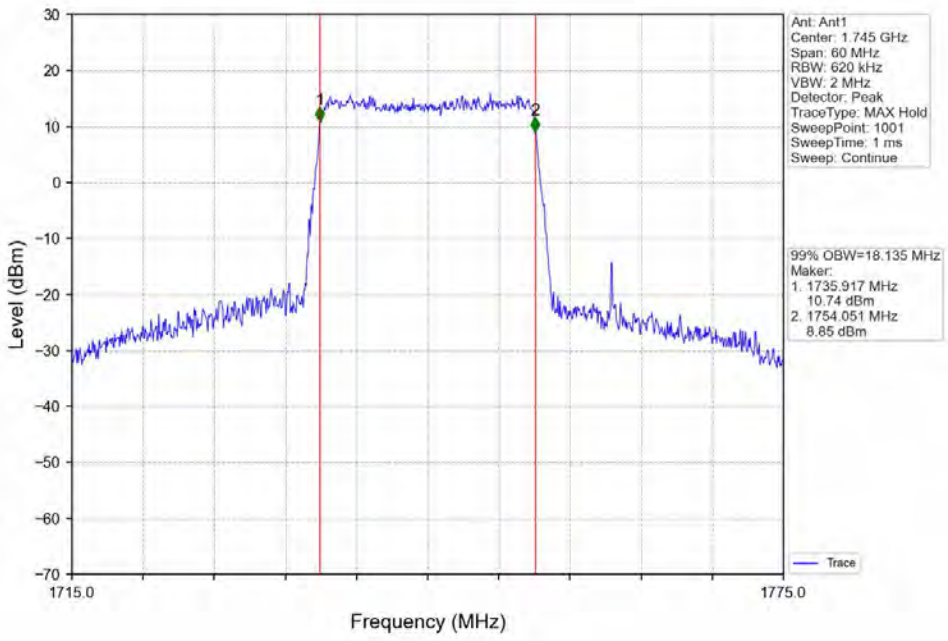
Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



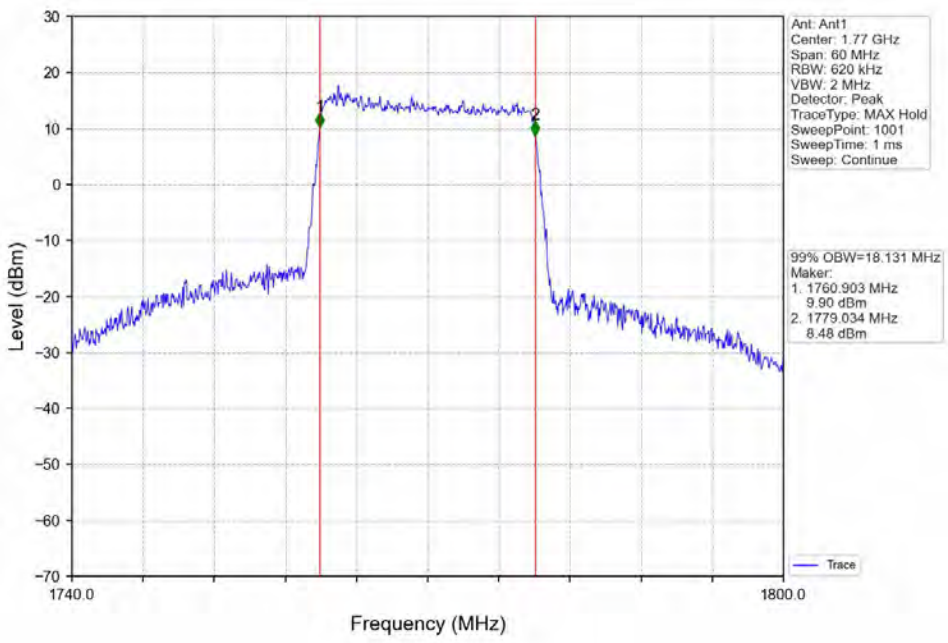

Band66_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_64QAM_MCH_1745MHz_RB_100_0_NTNV




Band66_20MHz_64QAM_HCH_1770MHz_RB_100_0_NTNV

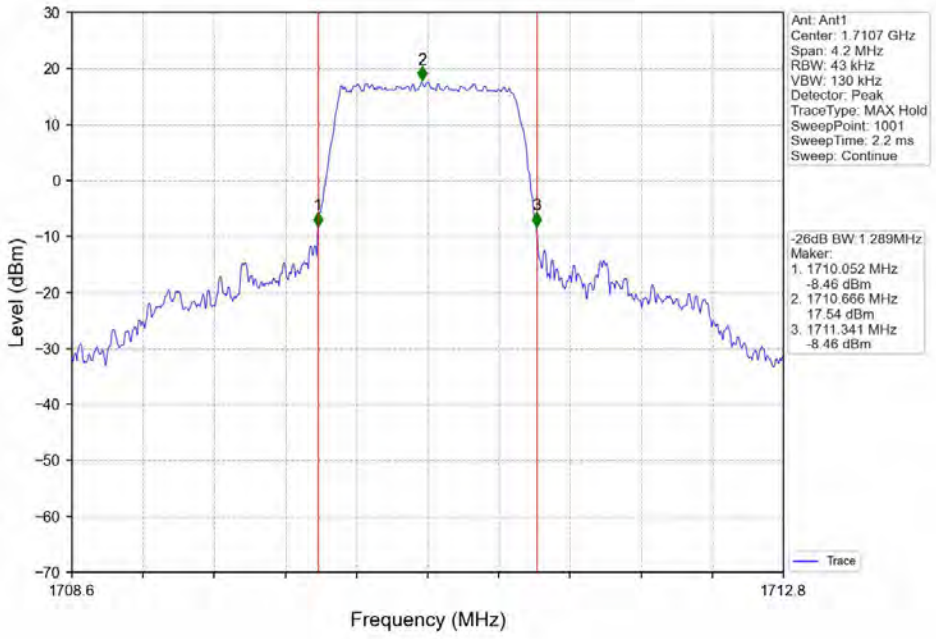


## 26DB_OBW TEST RESULT

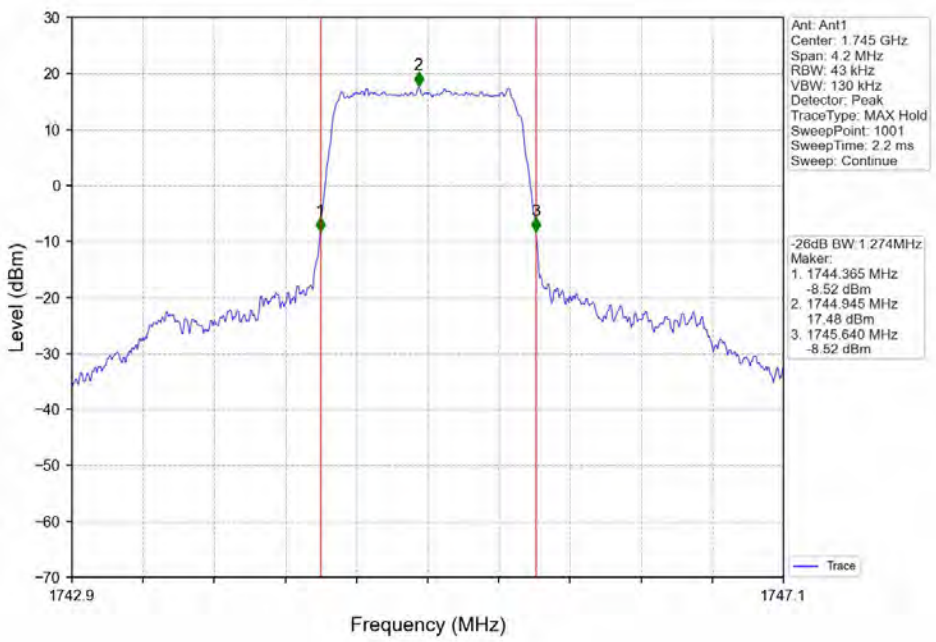
| Band: 66 / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | Verdict |
| | | | Size | Offset | Result | |
| 1.4 | QPSK | 1710.7 | 6 | 0 | 1.289 | Pass |
| | | 1745 | 6 | 0 | 1.274 | Pass |
| | | 1779.3 | 6 | 0 | 1.277 | Pass |
| | 16QAM | 1710.7 | 6 | 0 | 1.271 | Pass |
| | | 1745 | 6 | 0 | 1.278 | Pass |
| | | 1779.3 | 6 | 0 | 1.292 | Pass |
| | 64QAM | 1710.7 | 6 | 0 | 1.275 | Pass |
| | | 1745 | 6 | 0 | 1.267 | Pass |
| | | 1779.3 | 6 | 0 | 1.273 | Pass |
| 3 | QPSK | 1711.5 | 15 | 0 | 3.119 | Pass |
| | | 1745 | 15 | 0 | 3.067 | Pass |
| | | 1778.5 | 15 | 0 | 3.101 | Pass |
| | 16QAM | 1711.5 | 15 | 0 | 3.102 | Pass |
| | | 1745 | 15 | 0 | 3.098 | Pass |
| | | 1778.5 | 15 | 0 | 3.118 | Pass |
| | 64QAM | 1711.5 | 15 | 0 | 3.120 | Pass |
| | | 1745 | 15 | 0 | 3.076 | Pass |
| | | 1778.5 | 15 | 0 | 3.138 | Pass |
| 5 | QPSK | 1712.5 | 25 | 0 | 5.047 | Pass |
| | | 1745 | 25 | 0 | 5.052 | Pass |
| | | 1777.5 | 25 | 0 | 5.056 | Pass |
| | 16QAM | 1712.5 | 25 | 0 | 5.078 | Pass |
| | | 1745 | 25 | 0 | 5.052 | Pass |
| | | 1777.5 | 25 | 0 | 5.072 | Pass |
| | 64QAM | 1712.5 | 25 | 0 | 5.069 | Pass |
| | | 1745 | 25 | 0 | 5.049 | Pass |
| | | 1777.5 | 25 | 0 | 5.058 | Pass |
| 10 | QPSK | 1715 | 50 | 0 | 10.021 | Pass |
| | | 1745 | 50 | 0 | 9.975 | Pass |
| | | 1775 | 50 | 0 | 10.089 | Pass |
| | 16QAM | 1715 | 50 | 0 | 10.095 | Pass |
| | | 1745 | 50 | 0 | 9.981 | Pass |
| | | 1775 | 50 | 0 | 10.074 | Pass |
| | 64QAM | 1715 | 50 | 0 | 10.133 | Pass |
| | | 1745 | 50 | 0 | 9.966 | Pass |
| | | 1775 | 50 | 0 | 10.031 | Pass |
| 15 | QPSK | 1717.5 | 75 | 0 | 15.220 | Pass |
| | | 1745 | 75 | 0 | 15.119 | Pass |
| | | 1772.5 | 75 | 0 | 15.141 | Pass |
| | 16QAM | 1717.5 | 75 | 0 | 15.098 | Pass |
| | | 1745 | 75 | 0 | 15.053 | Pass |
| | | 1772.5 | 75 | 0 | 15.217 | Pass |
| | 64QAM | 1717.5 | 75 | 0 | 15.288 | Pass |
| | | 1745 | 75 | 0 | 15.242 | Pass |
| | | 1772.5 | 75 | 0 | 15.159 | Pass |
| 20 | QPSK | 1720 | 100 | 0 | 19.892 | Pass |
| | | 1745 | 100 | 0 | 20.081 | Pass |
| | | 1770 | 100 | 0 | 20.090 | Pass |
| | 16QAM | 1720 | 100 | 0 | 20.048 | Pass |
| | | 1745 | 100 | 0 | 20.021 | Pass |
| | | 1770 | 100 | 0 | 20.081 | Pass |
| | 64QAM | 1720 | 100 | 0 | 20.095 | Pass |
| | | 1745 | 100 | 0 | 20.105 | Pass |
| | | 1770 | 100 | 0 | 20.060 | Pass |

## TEST GRAPH

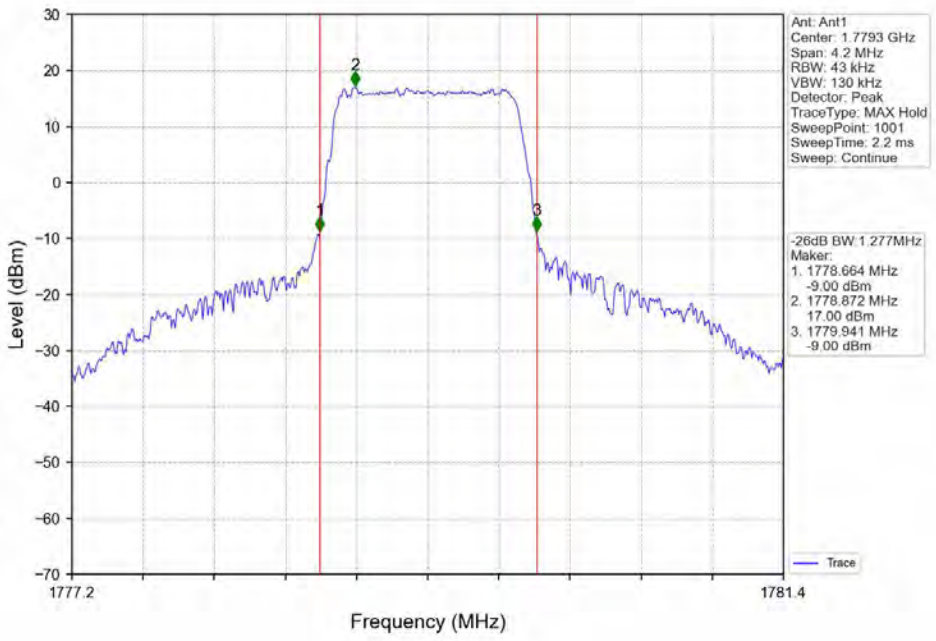
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



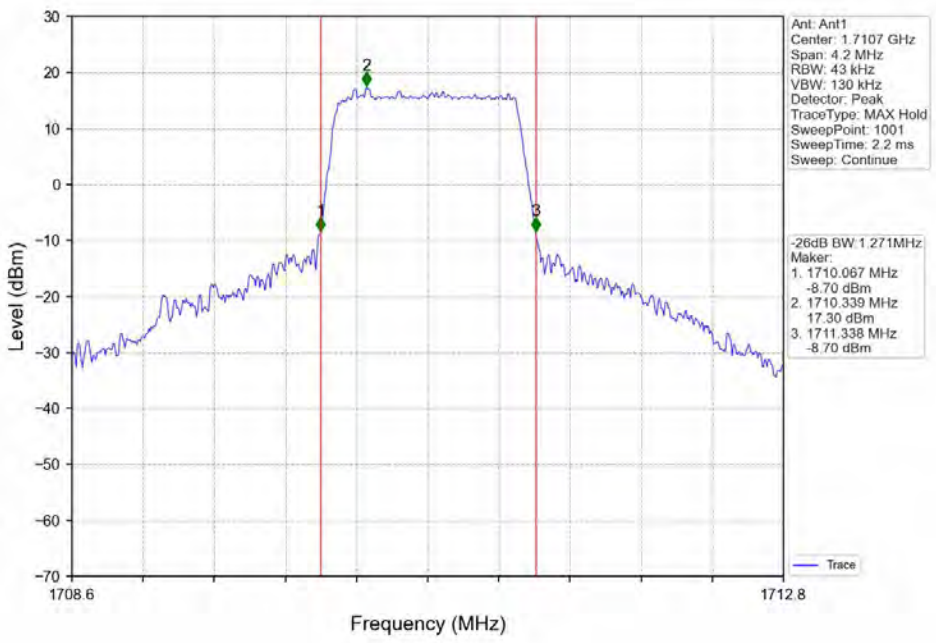

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



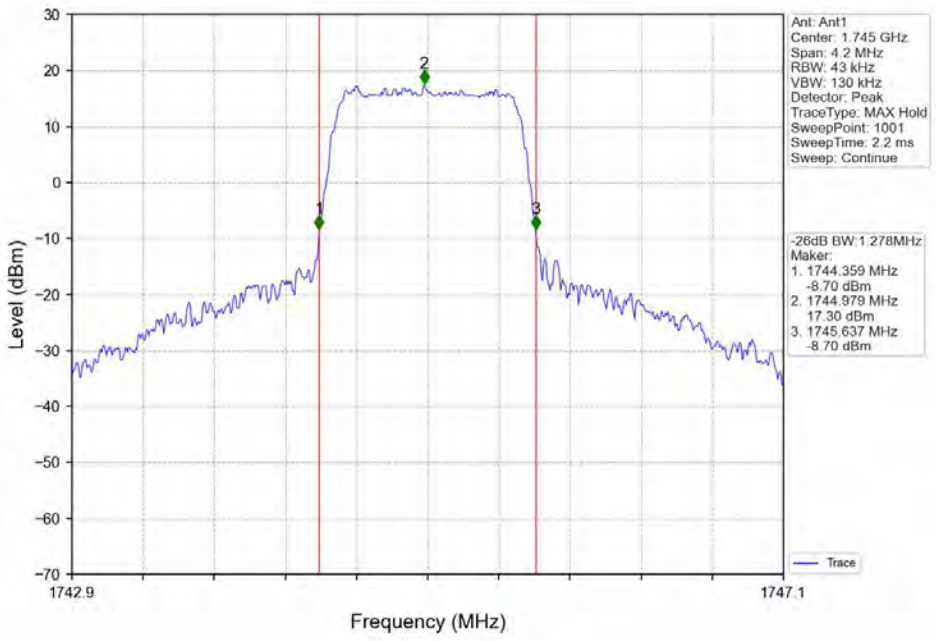
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



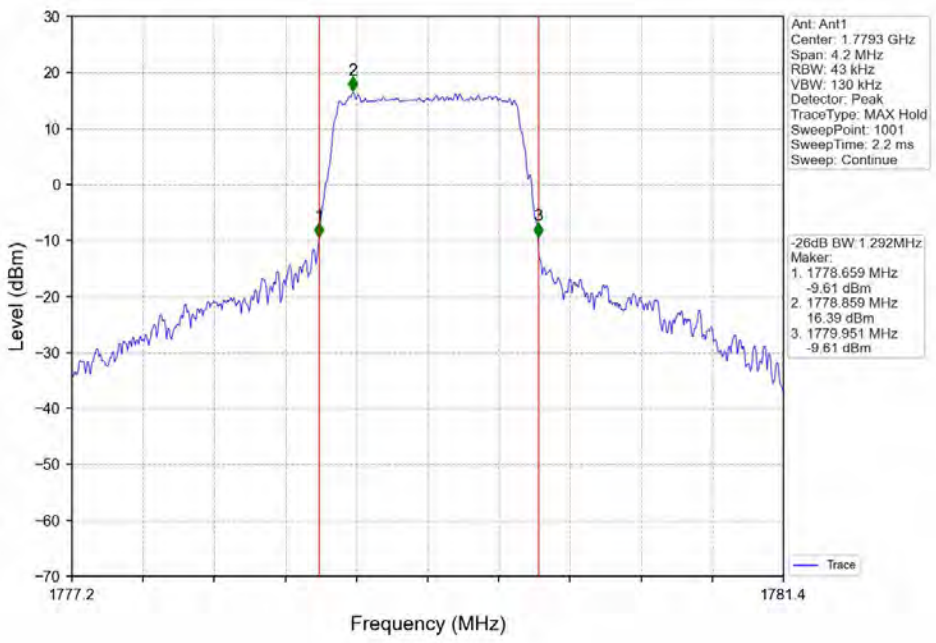

Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



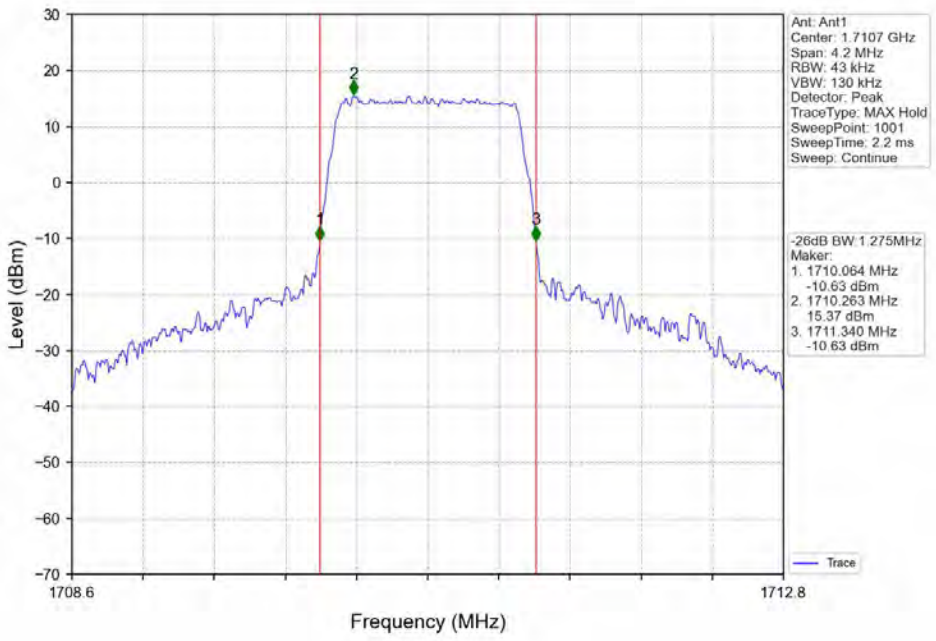
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



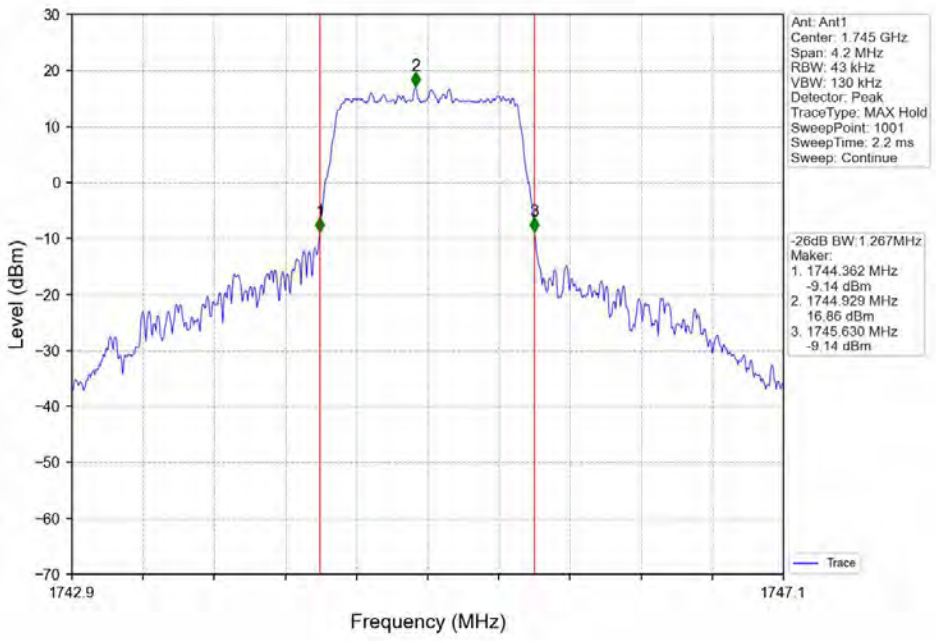

Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



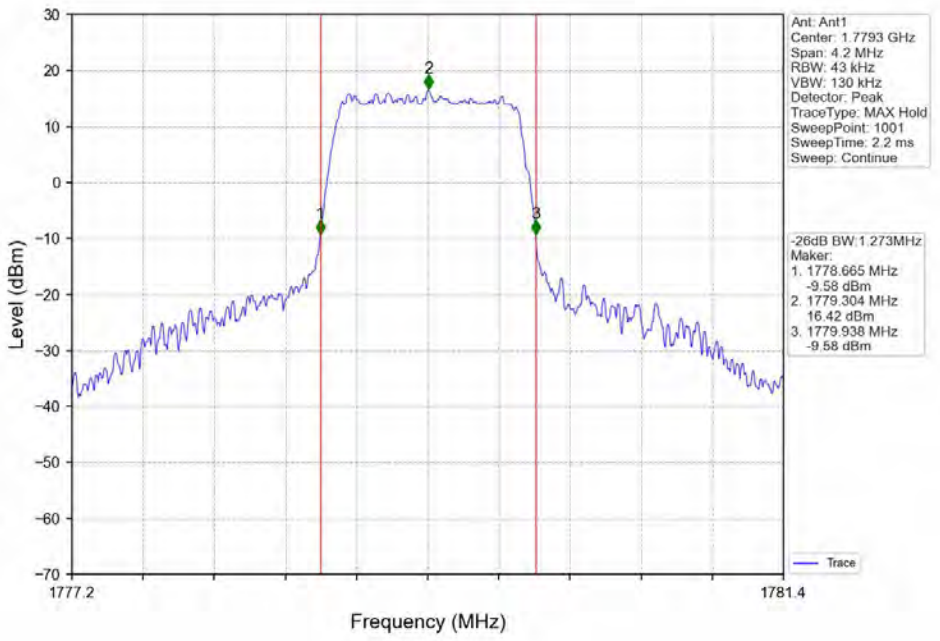
Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



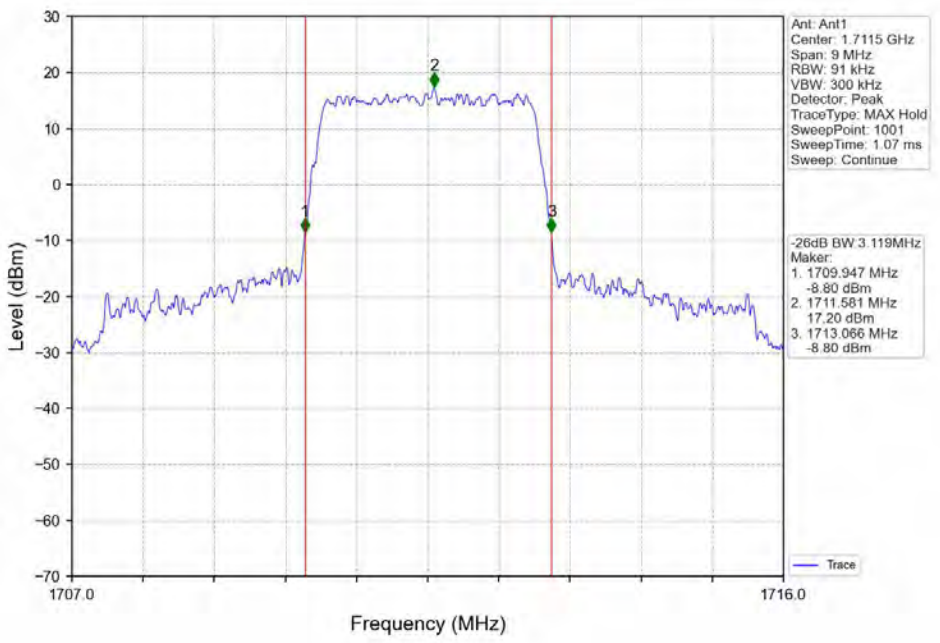

Band66_1.4MHz_64QAM_MCH_1745MHz_RB_6_0_NTNV



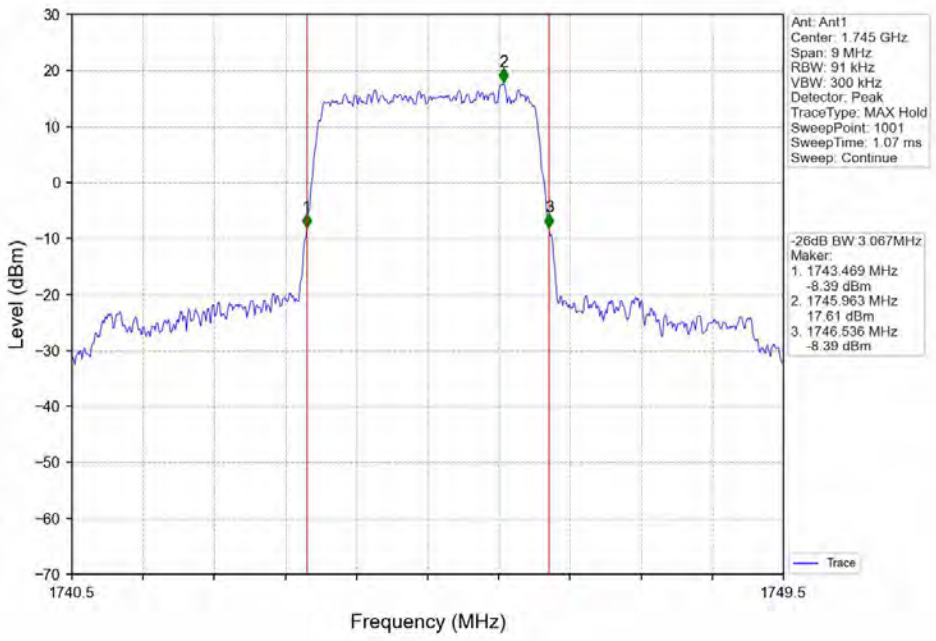
Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_6_0_NTNV



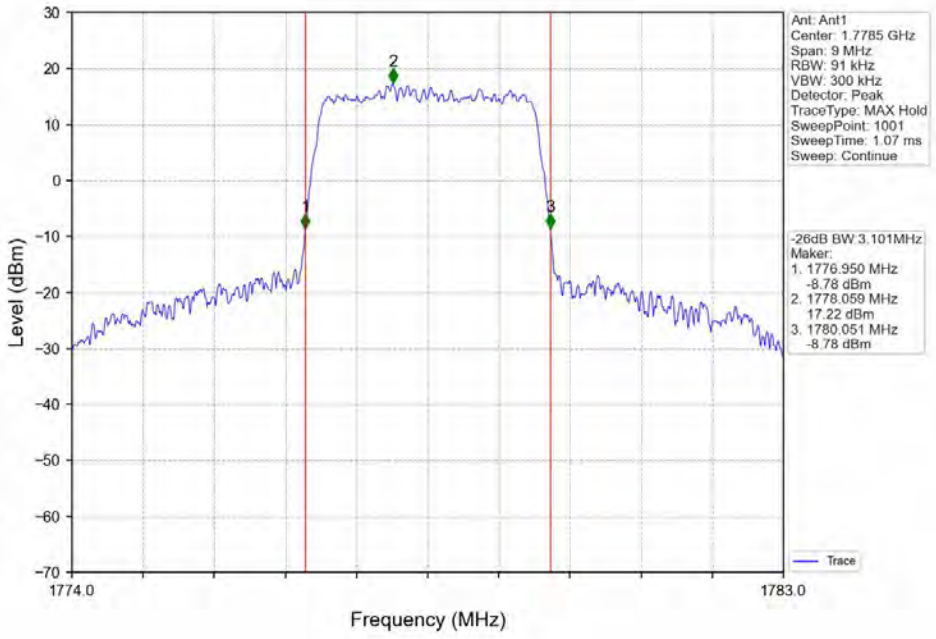

Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



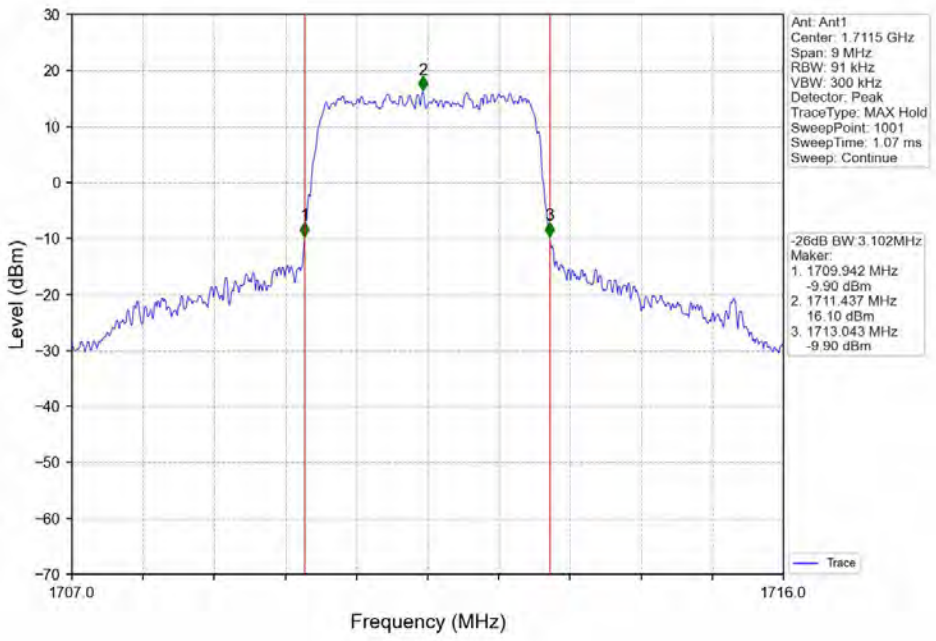
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



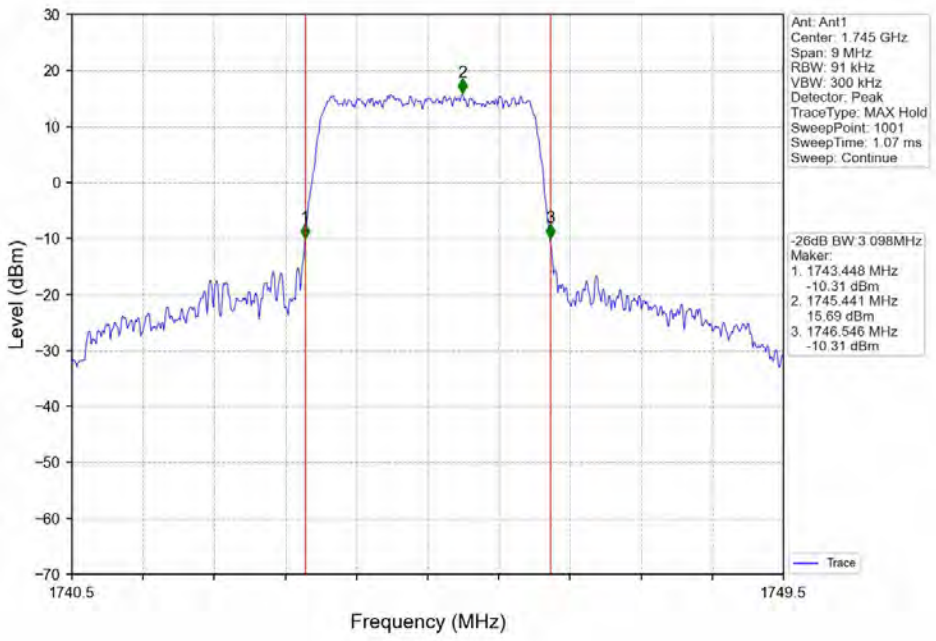

Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



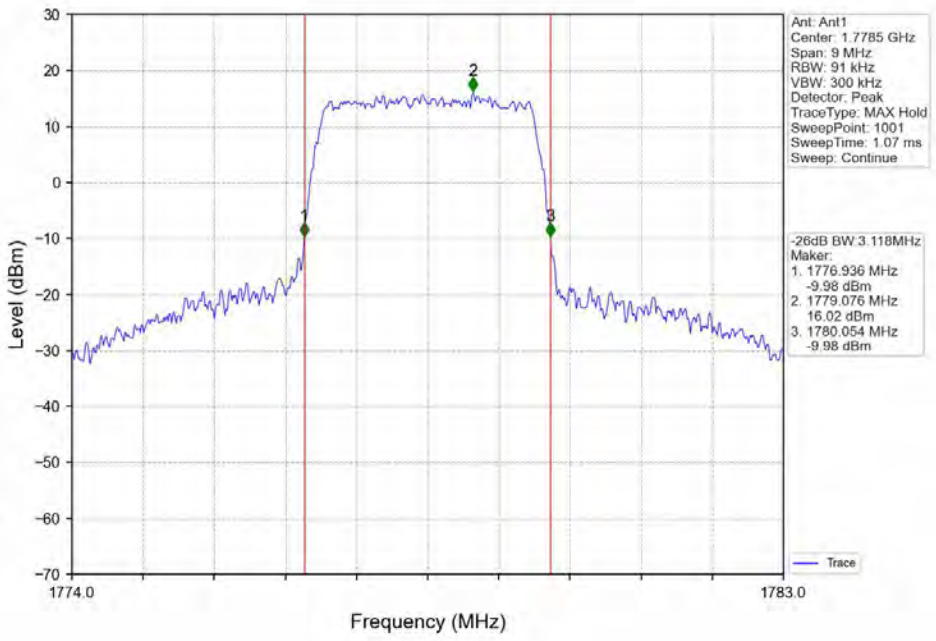
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



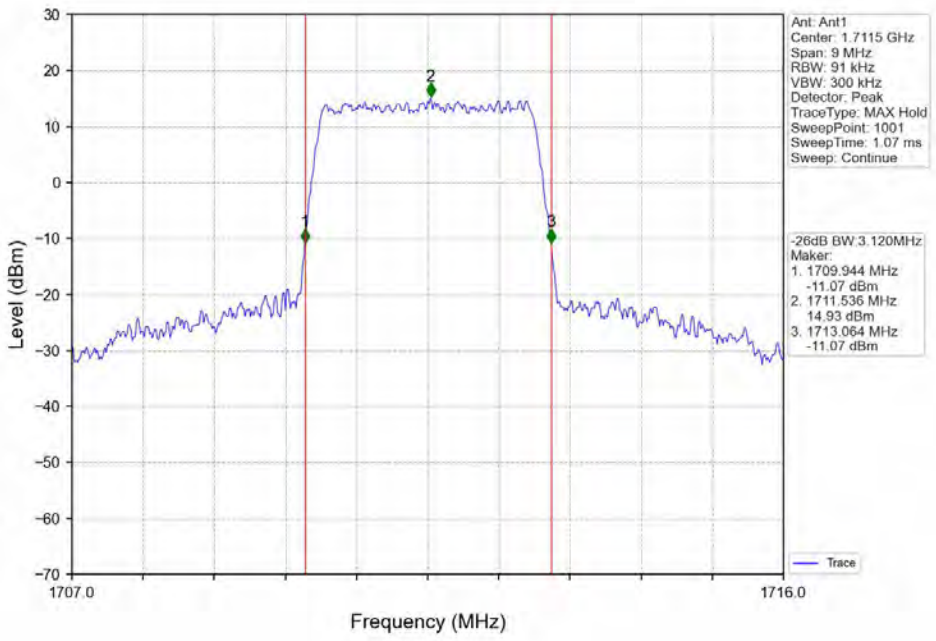

Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



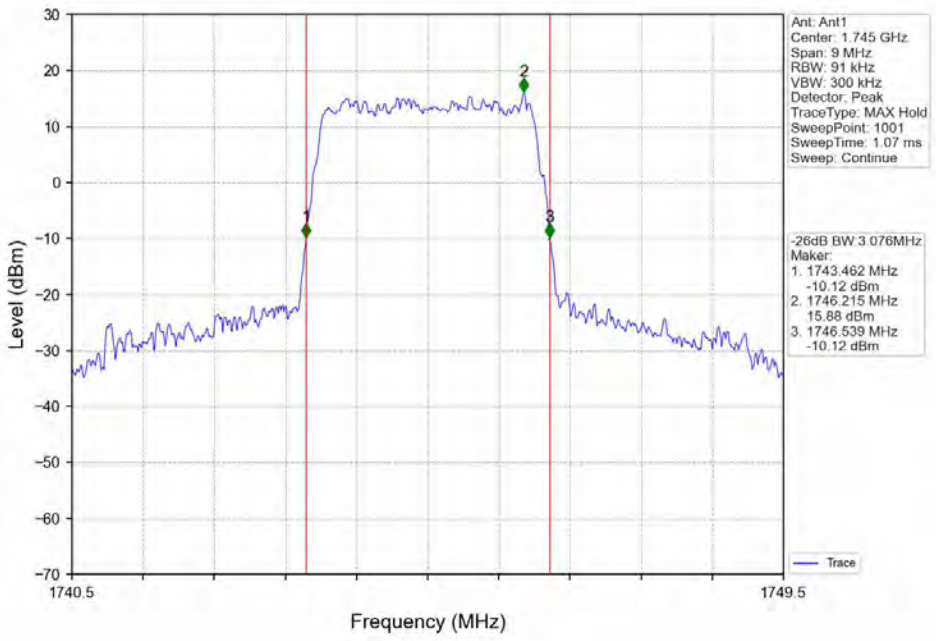
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



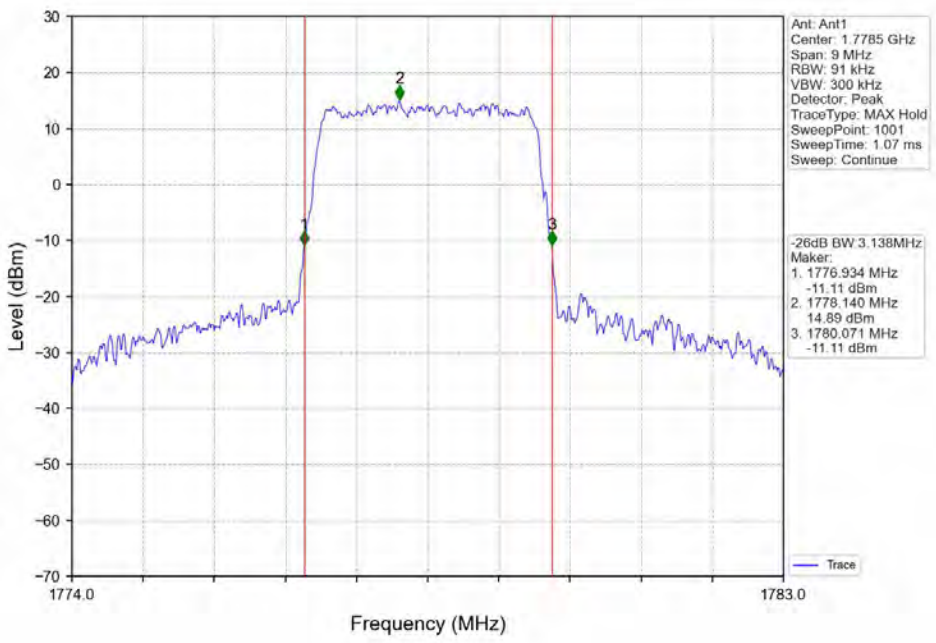

Band66_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



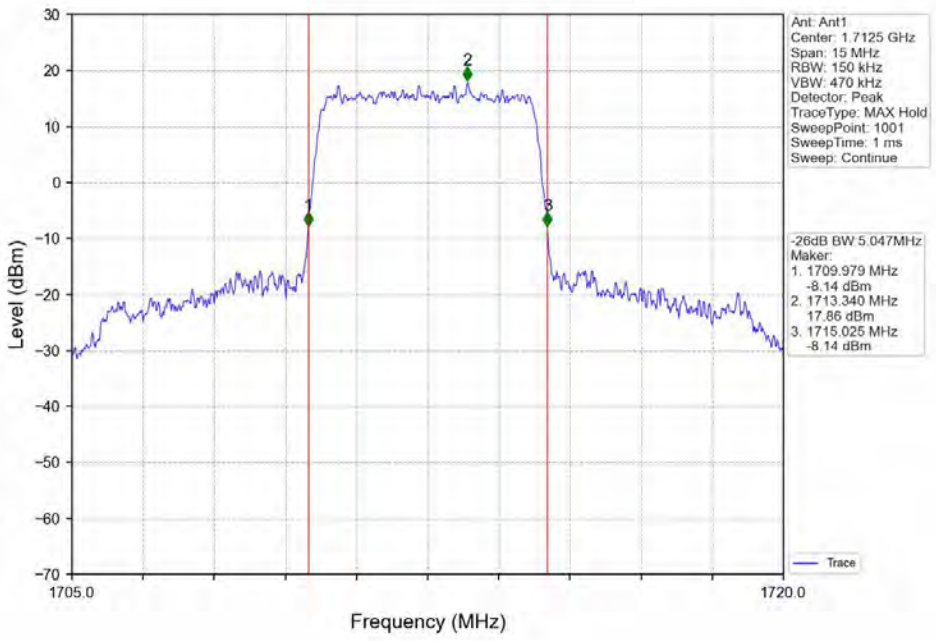
Band66_3MHz_64QAM_MCH_1745MHz_RB_15_0_NTNV



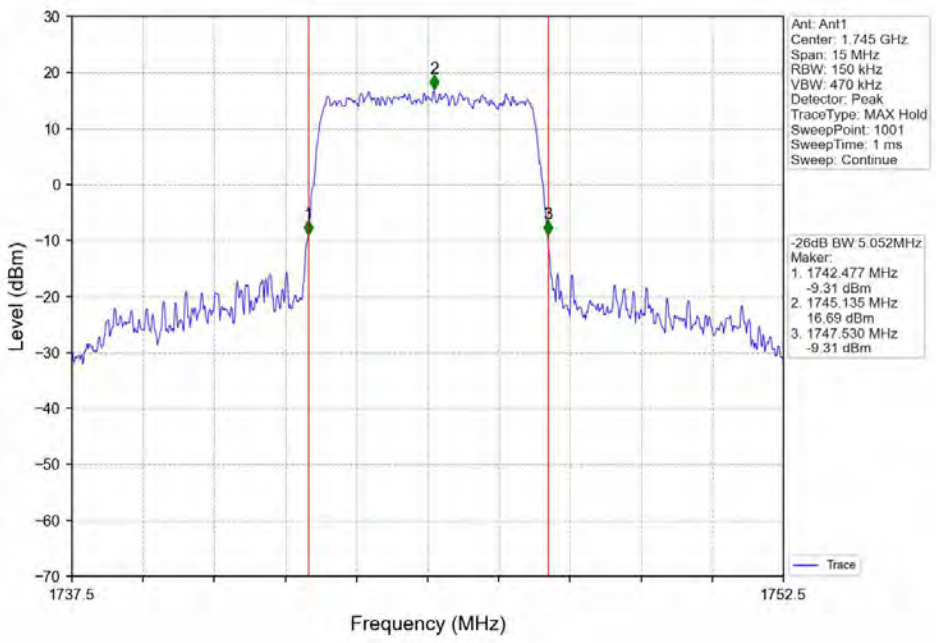

Band66_3MHz_64QAM_HCH_1778.5MHz_RB_15_0_NTNV



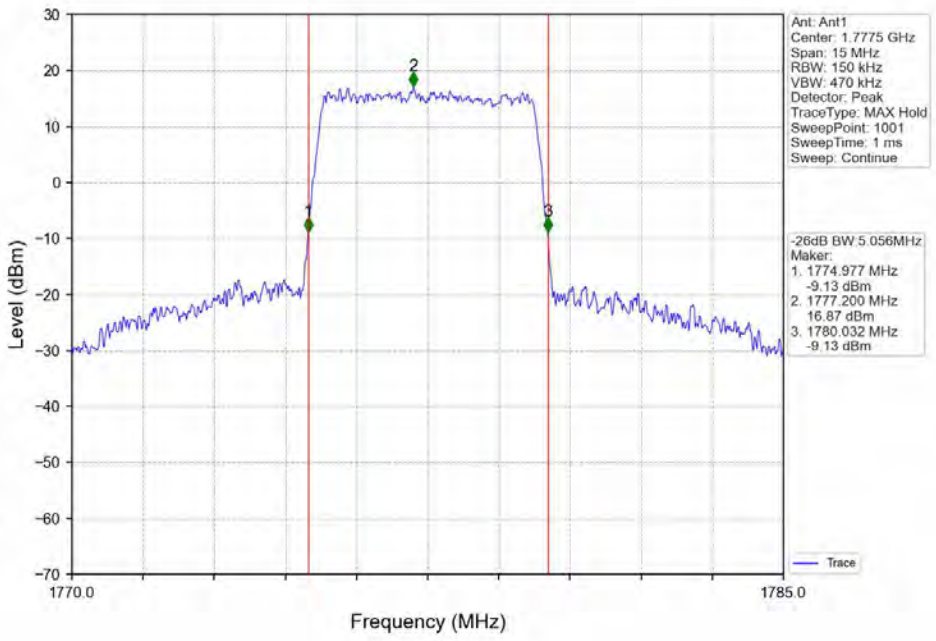
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



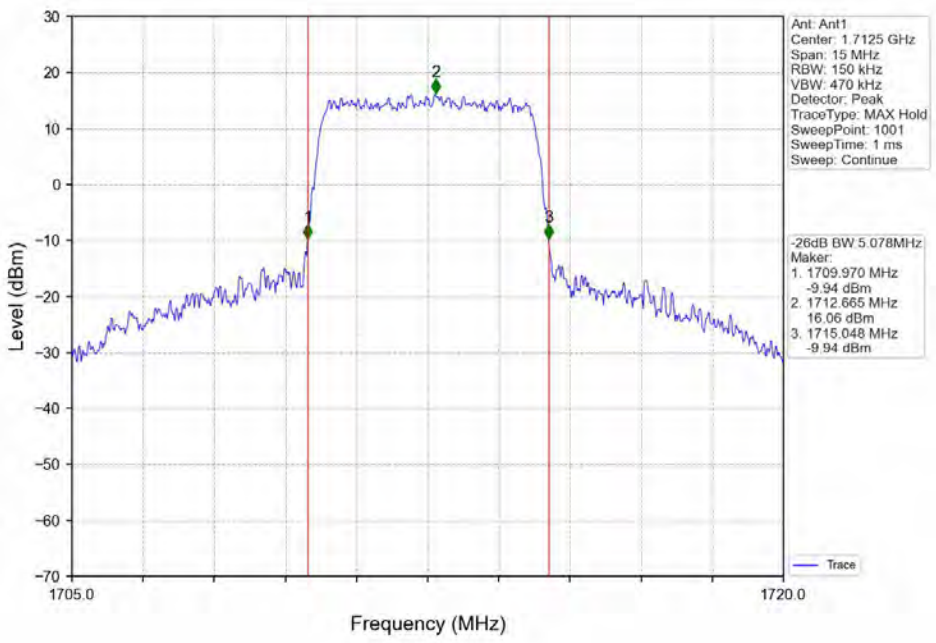

Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



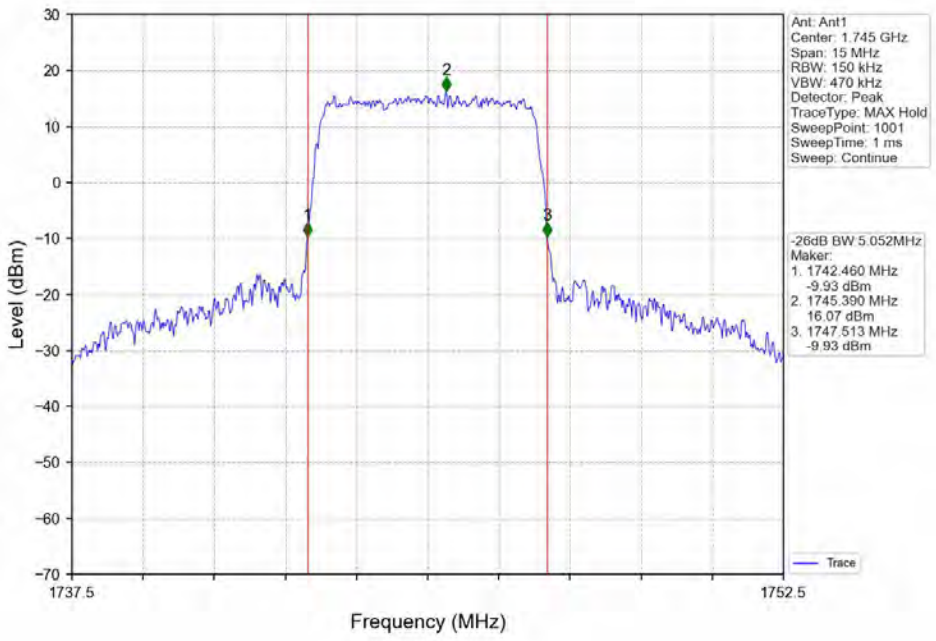
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



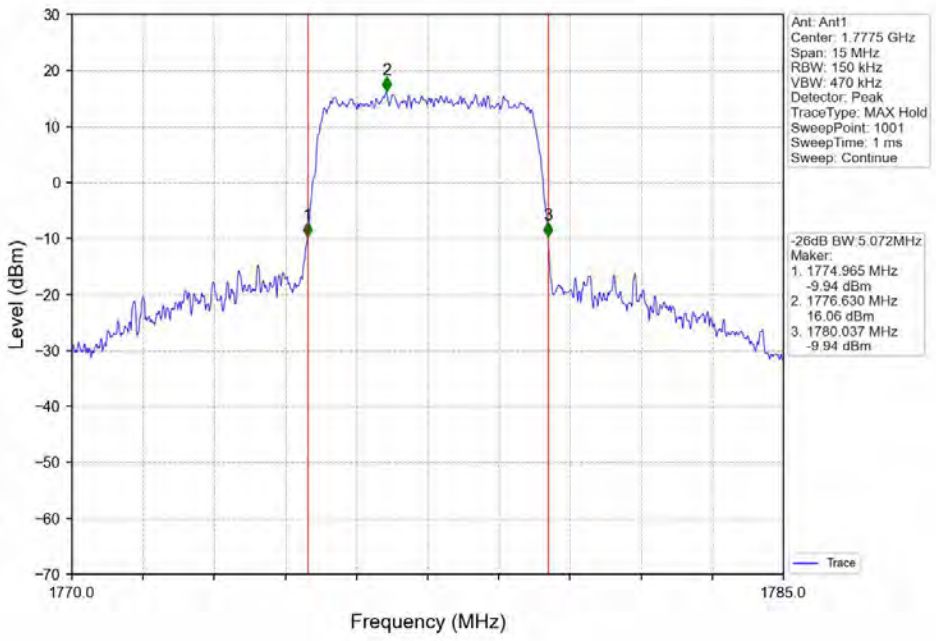

Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



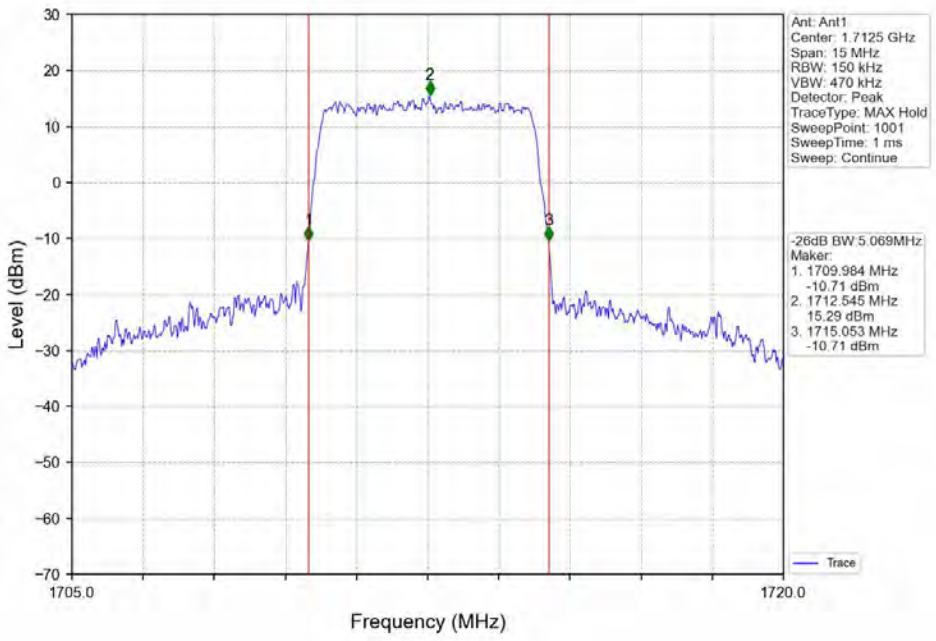
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



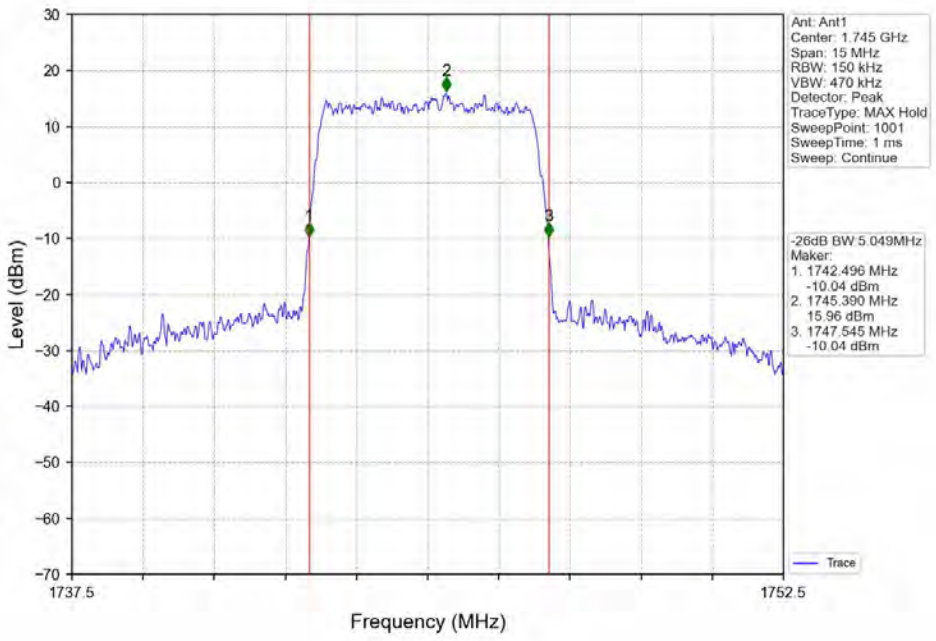

Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



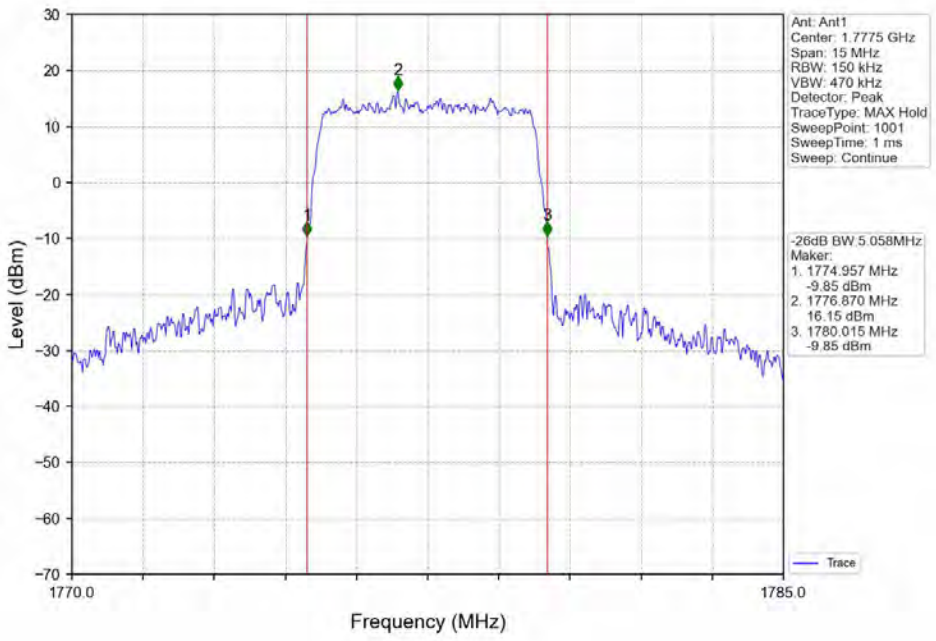
Band66_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



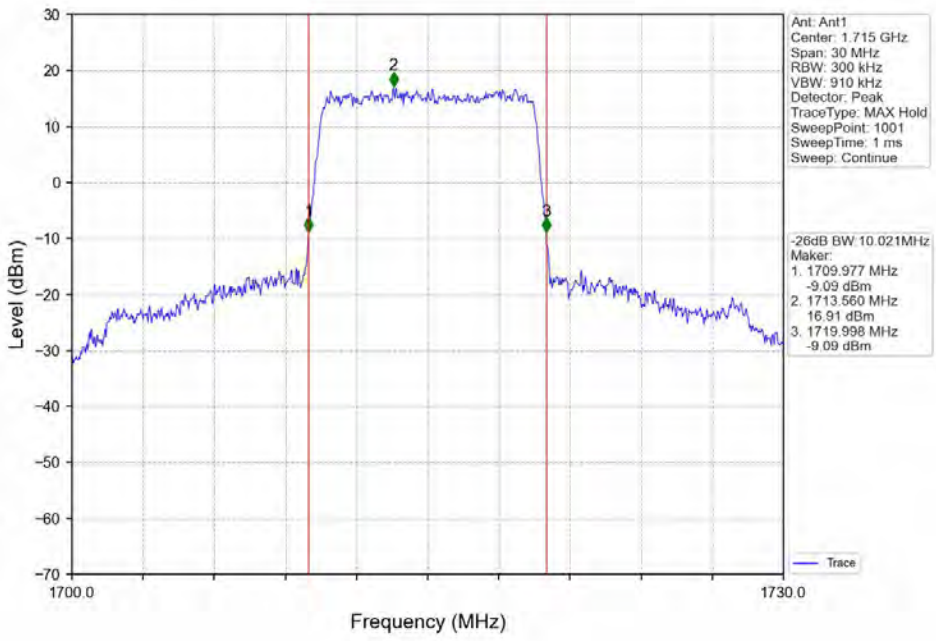

Band66_5MHz_64QAM_MCH_1745MHz_RB_25_0_NTNV



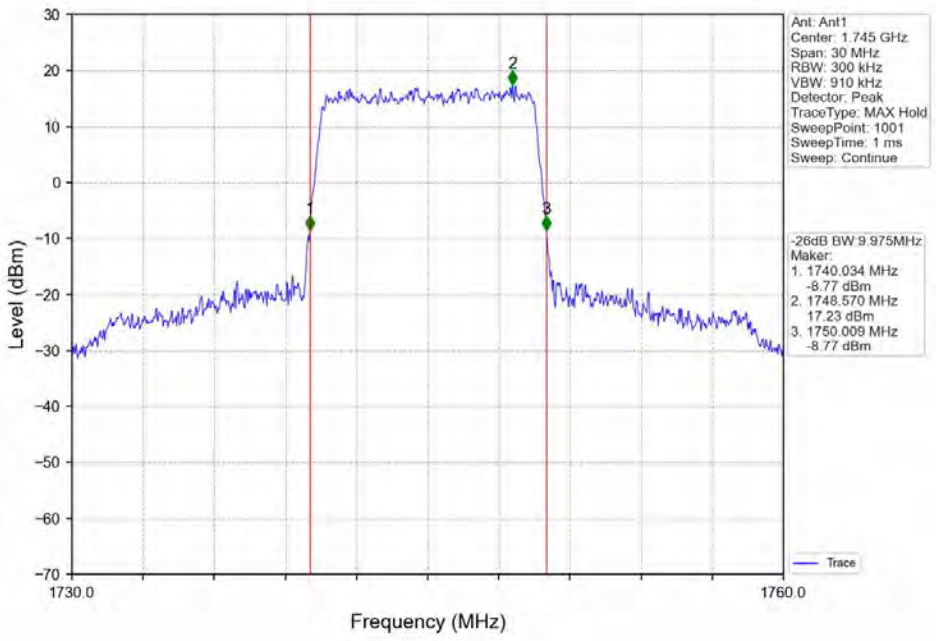
Band66_5MHz_64QAM_HCH_1777.5MHz_RB_25_0_NTNV



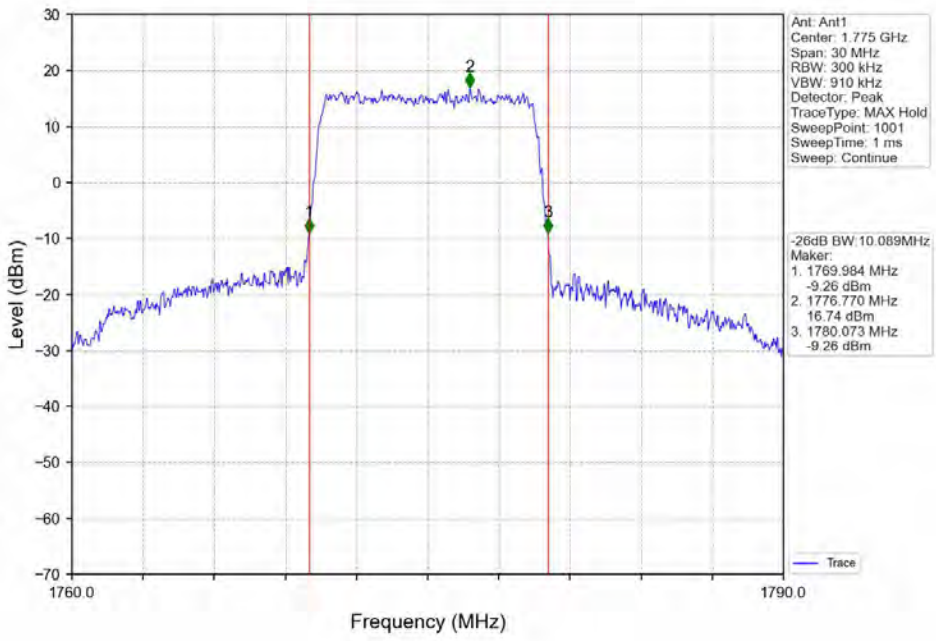

Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



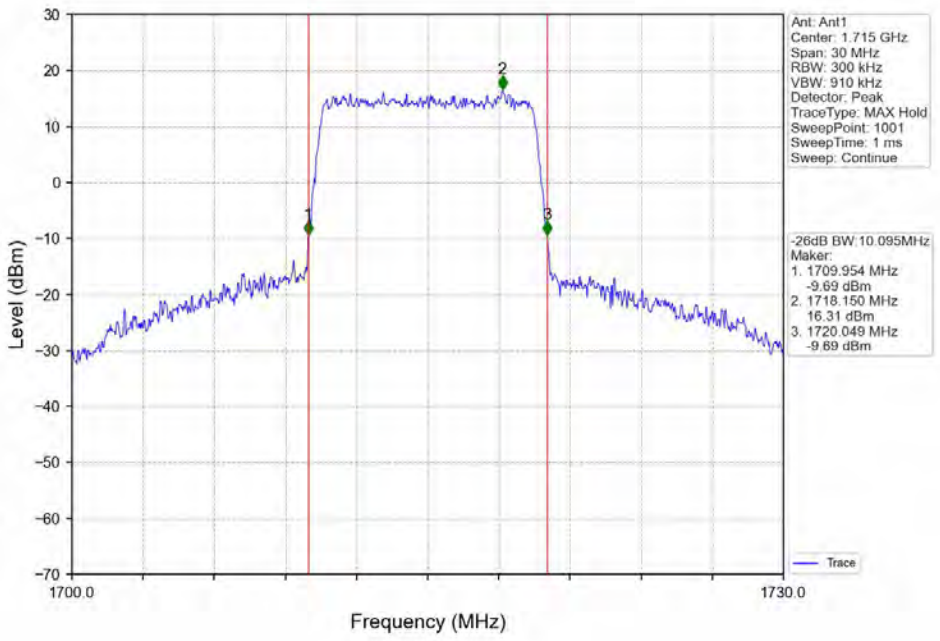
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



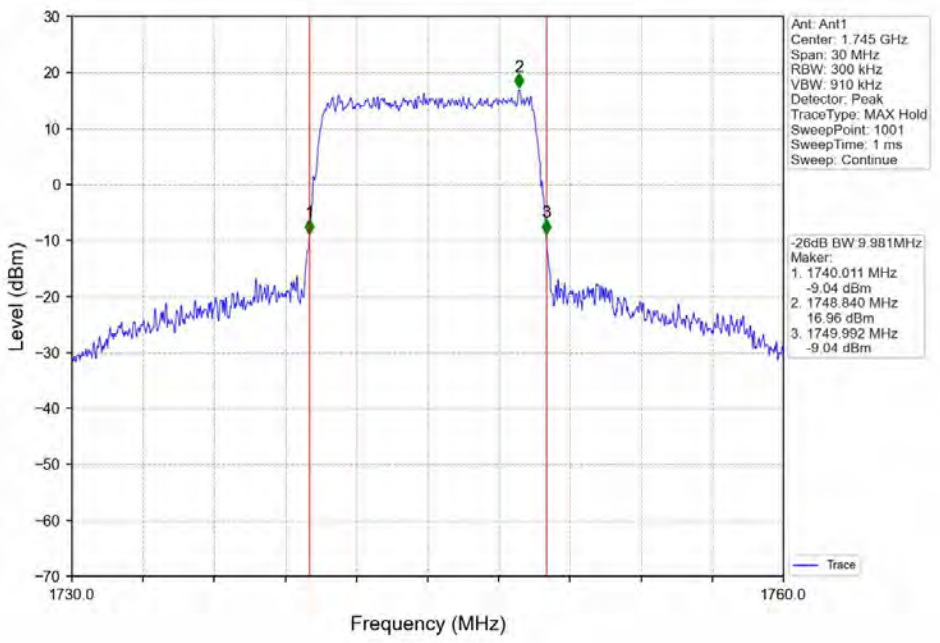

Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



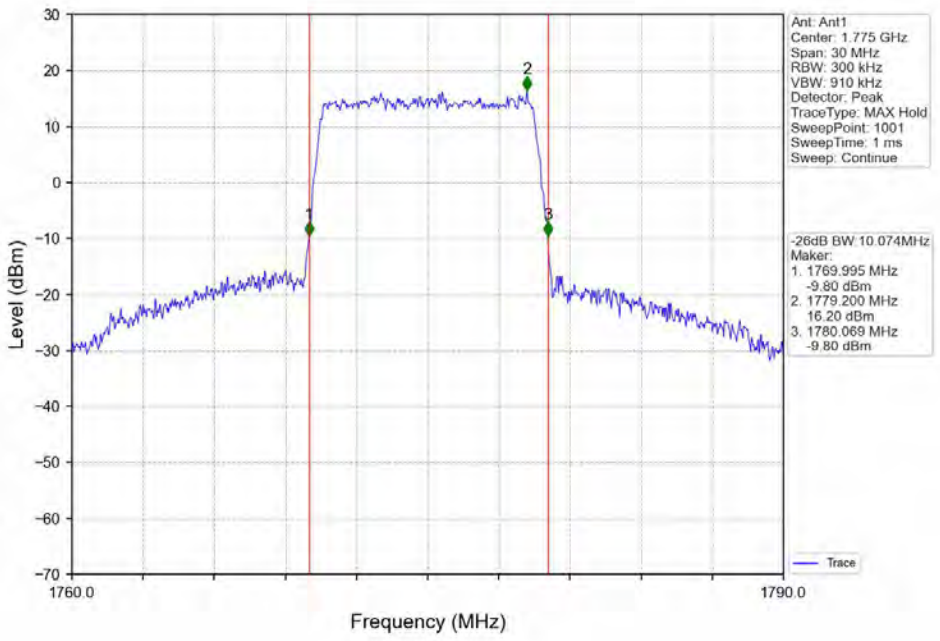
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



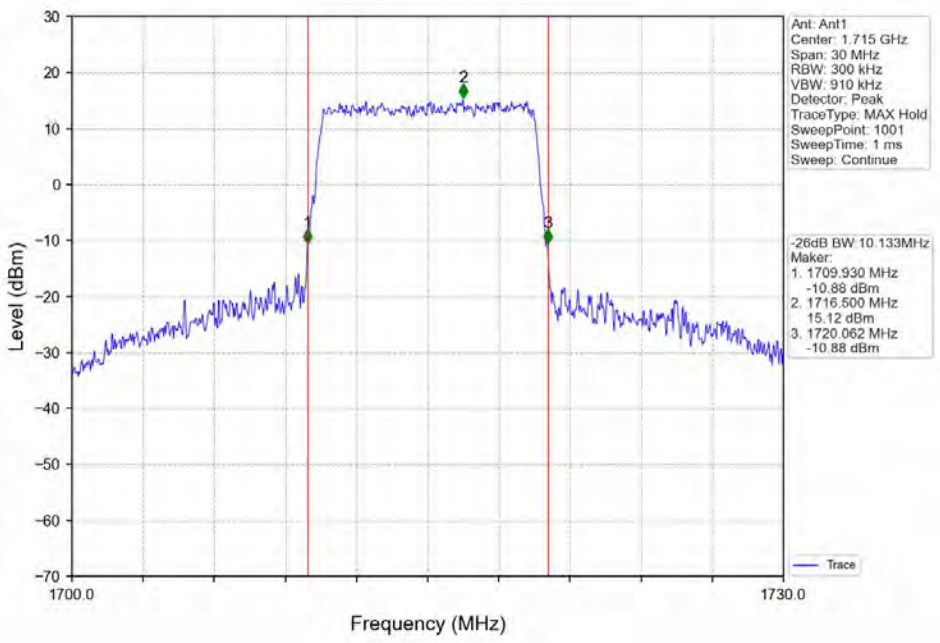

Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



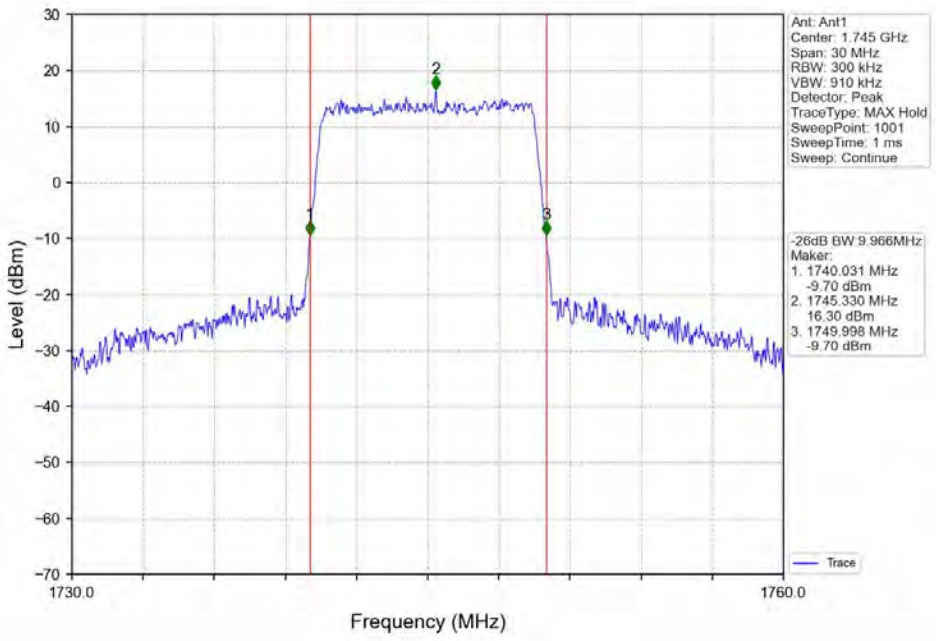
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



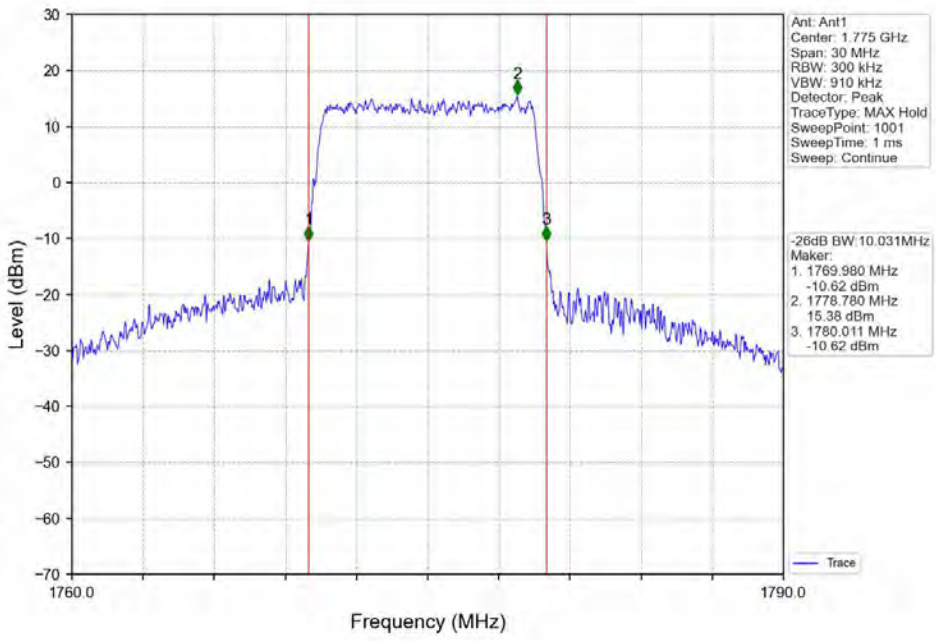

Band66_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



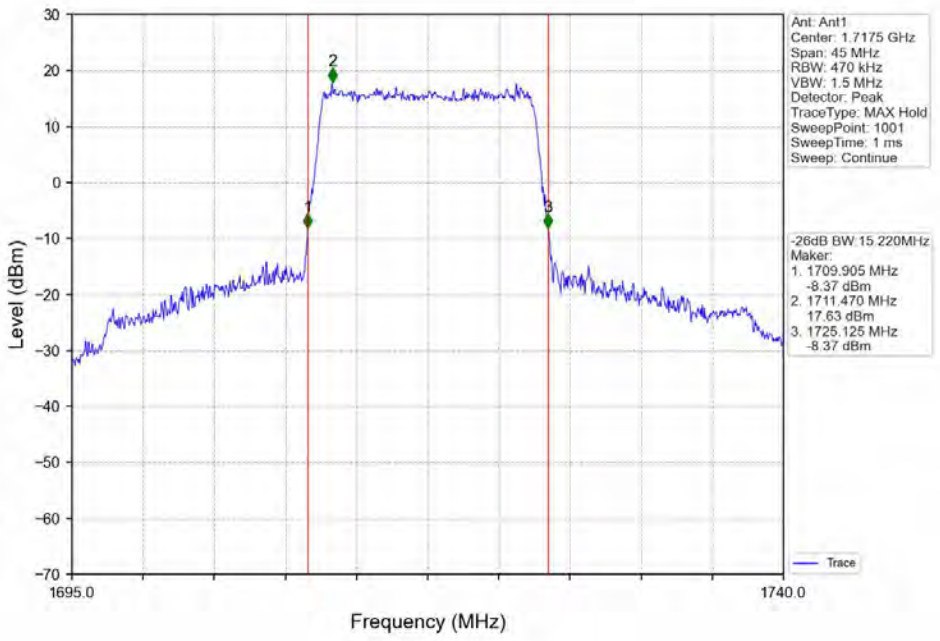
Band66_10MHz_64QAM_MCH_1745MHz_RB_50_0_NTNV



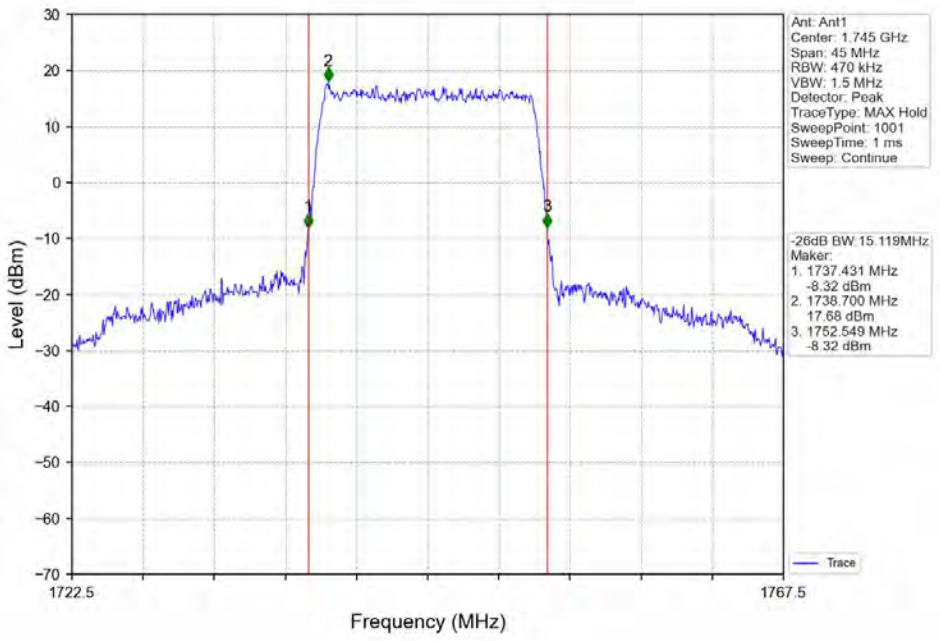

Band66_10MHz_64QAM_HCH_1775MHz_RB_50_0_NTNV



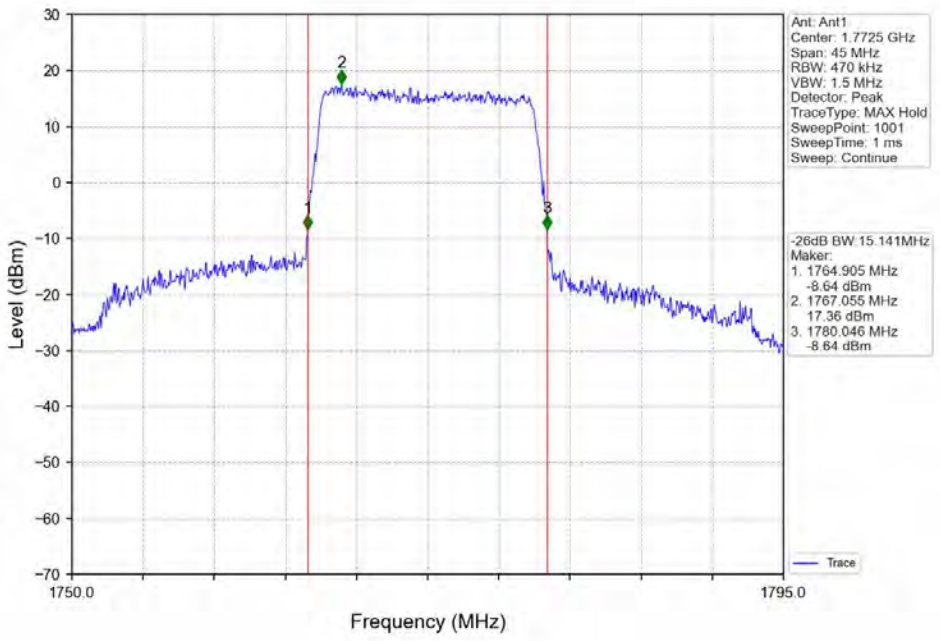
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



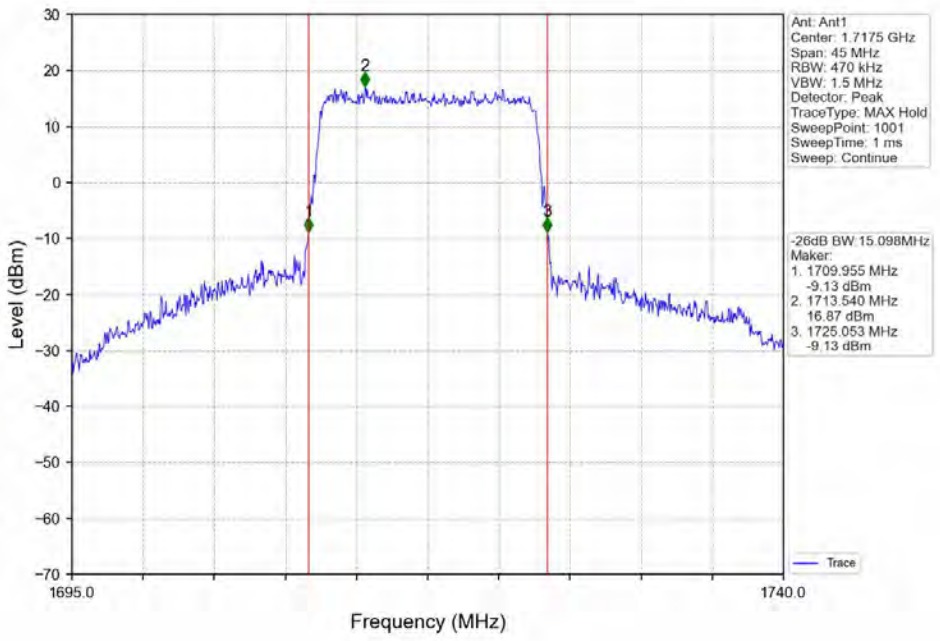

Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



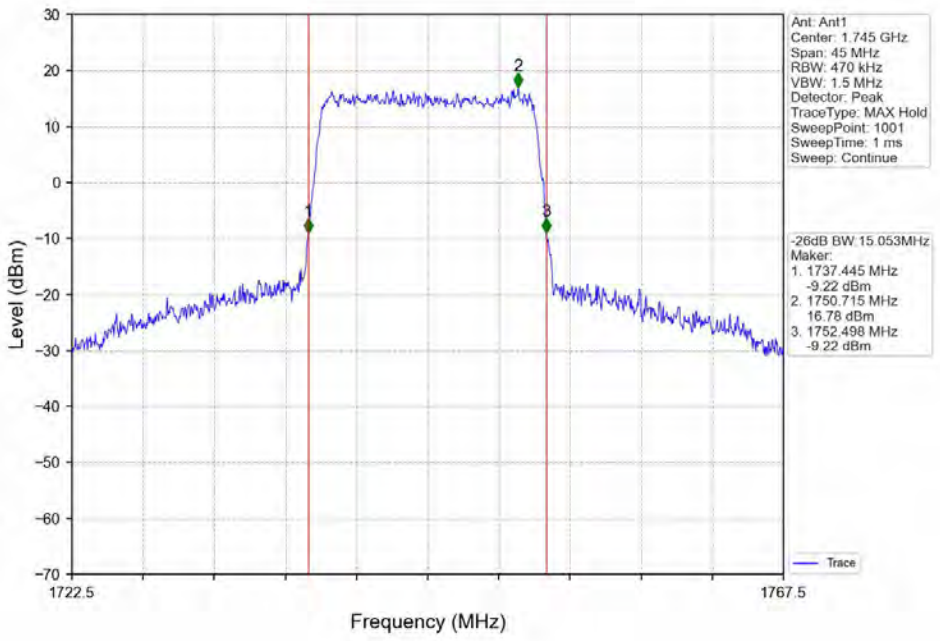
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



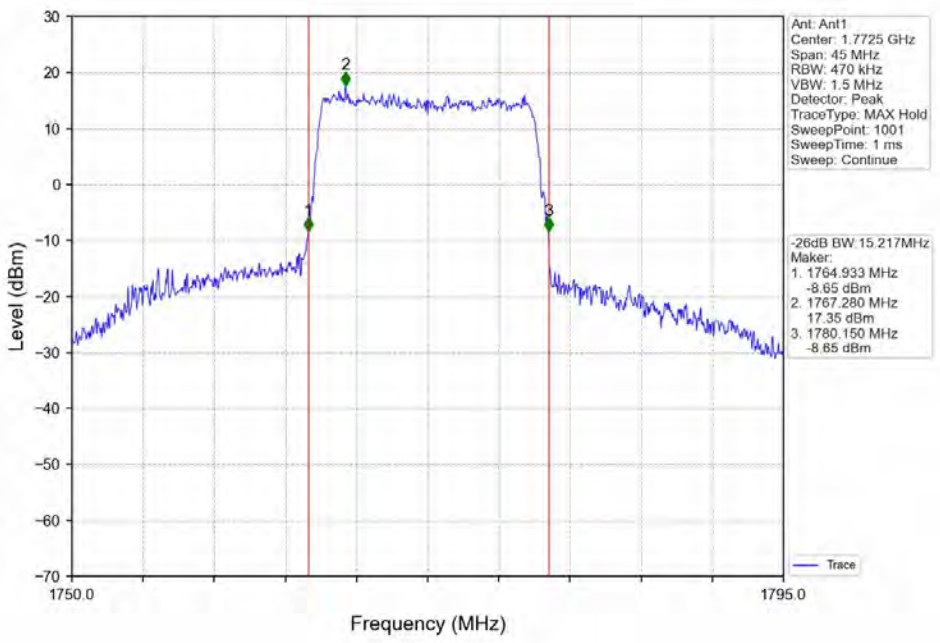

Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



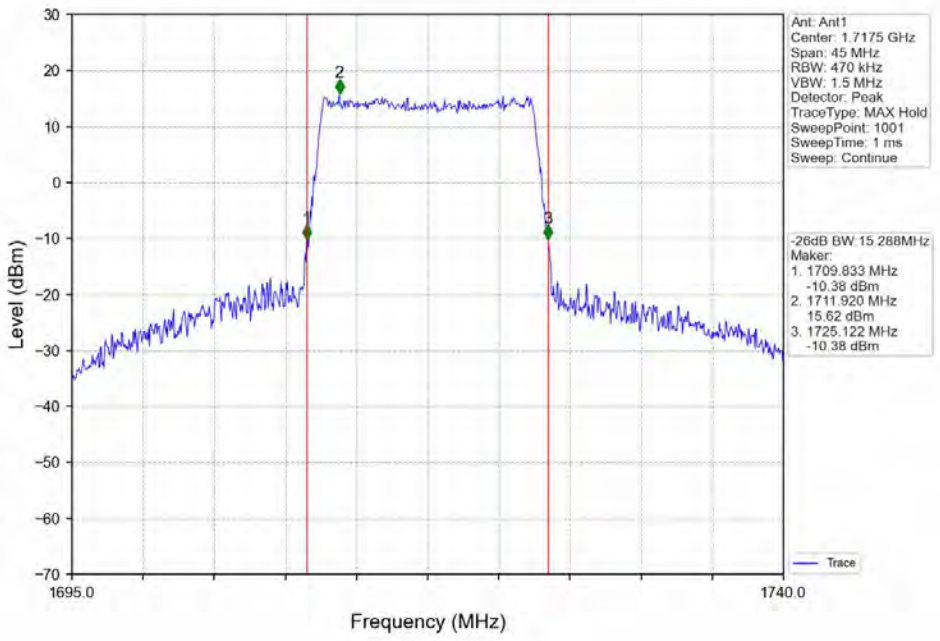
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



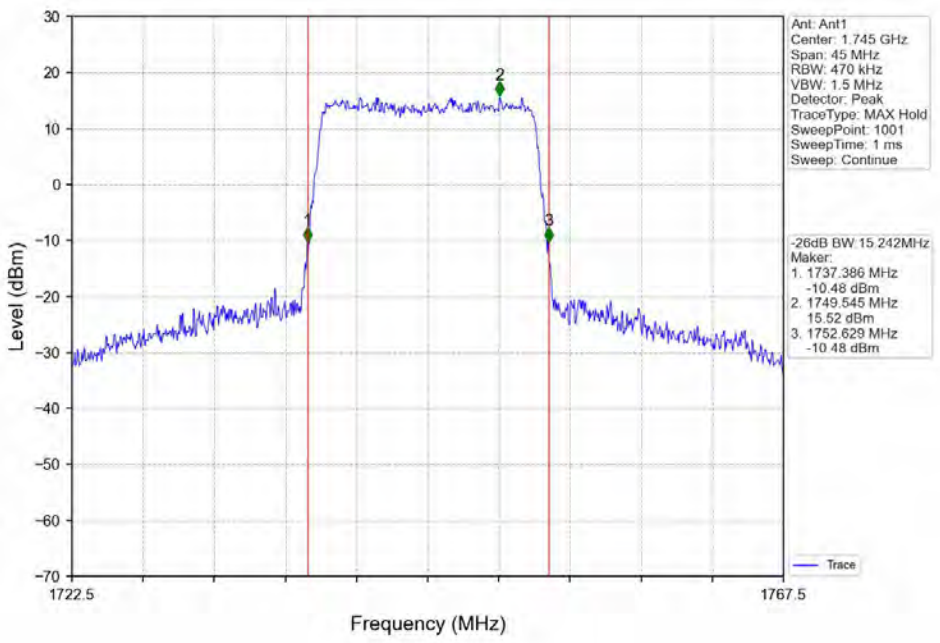

Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



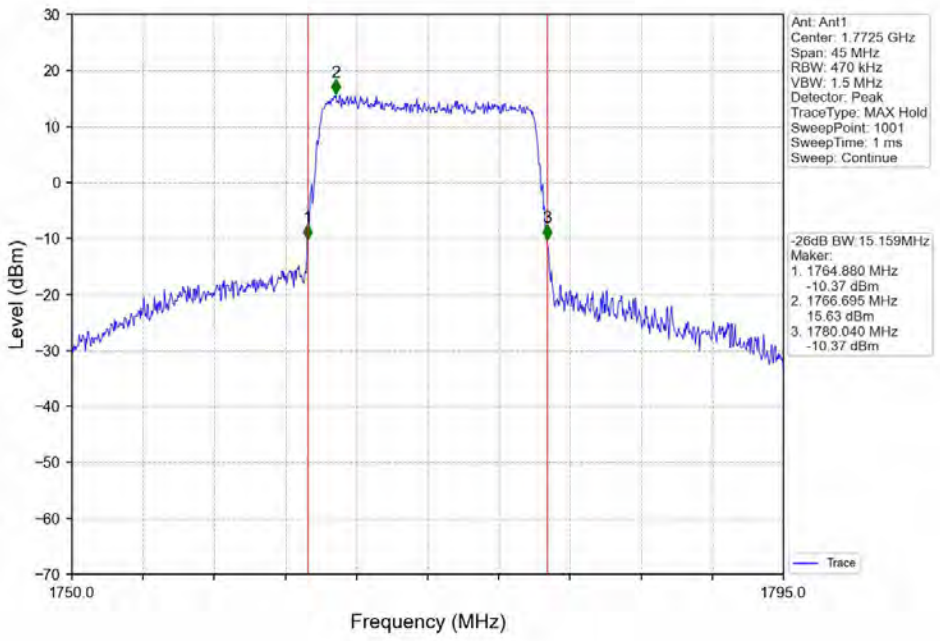
Band66_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



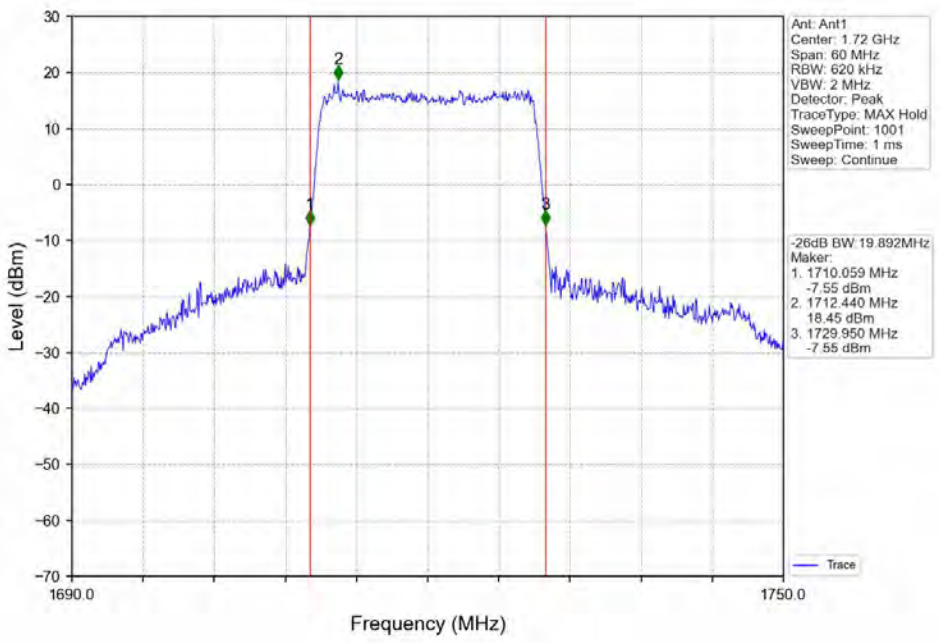

Band66_15MHz_64QAM_MCH_1745MHz_RB_75_0_NTNV



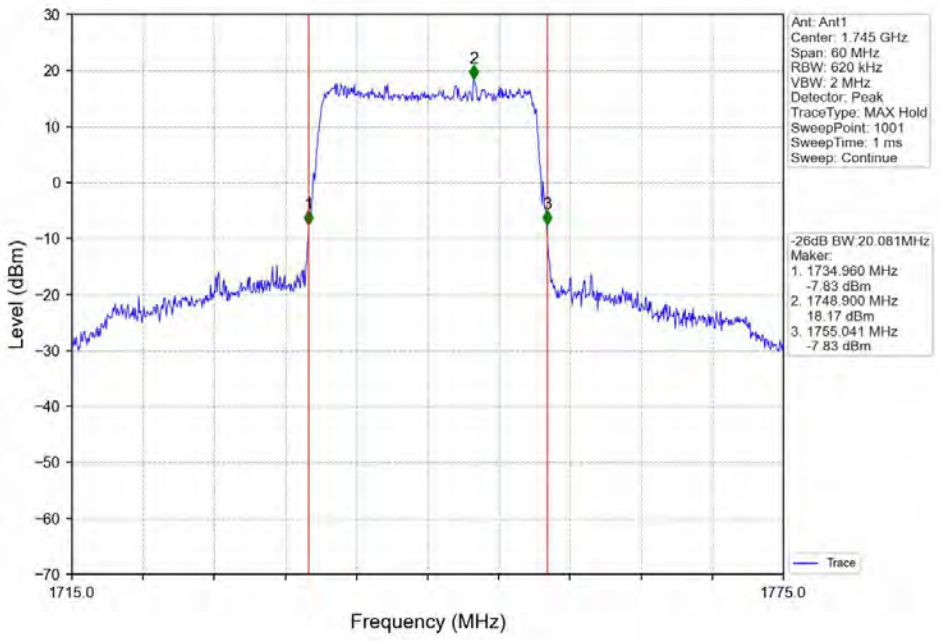
Band66_15MHz_64QAM_HCH_1772.5MHz_RB_75_0_NTNV




Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV

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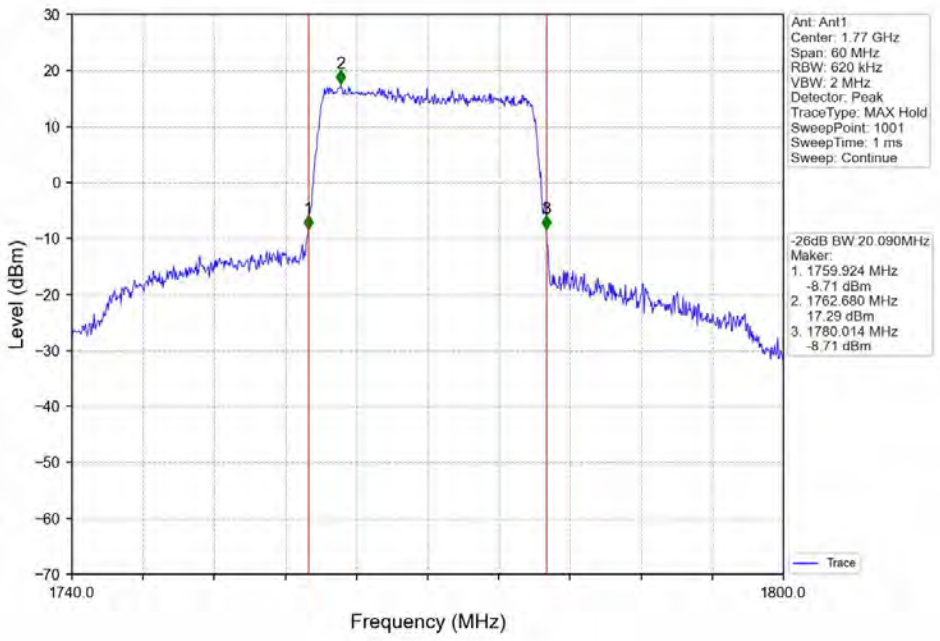
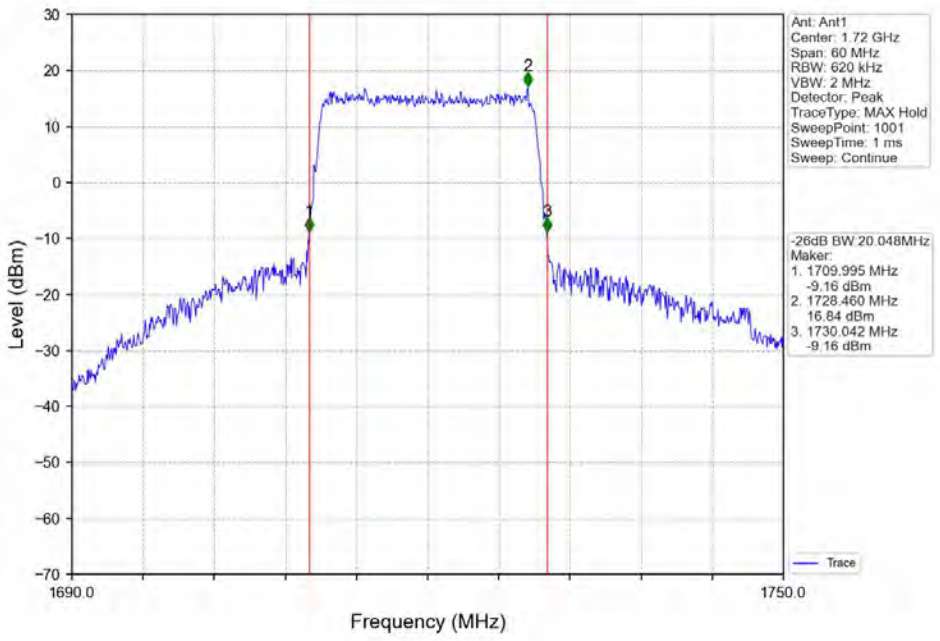
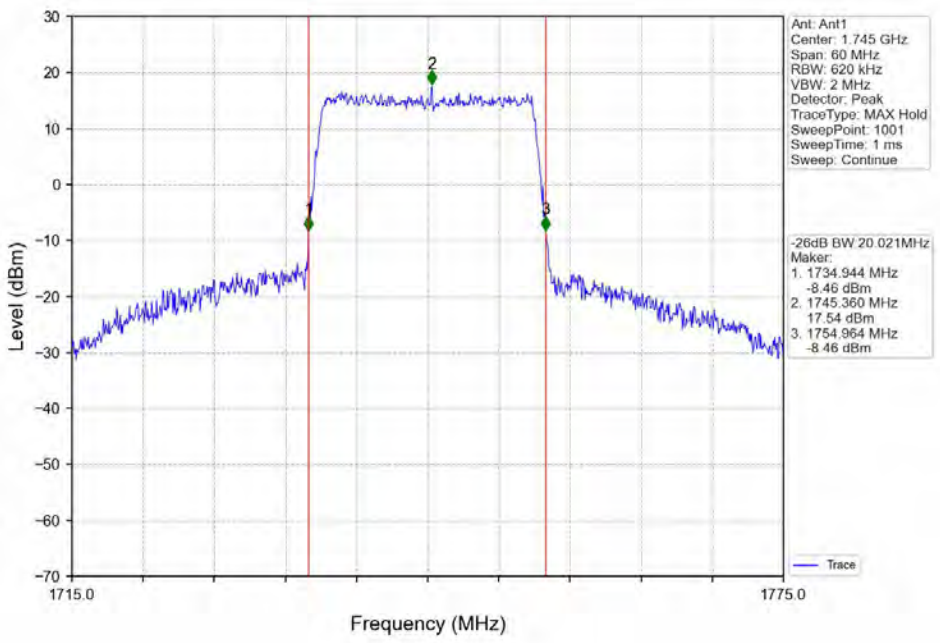


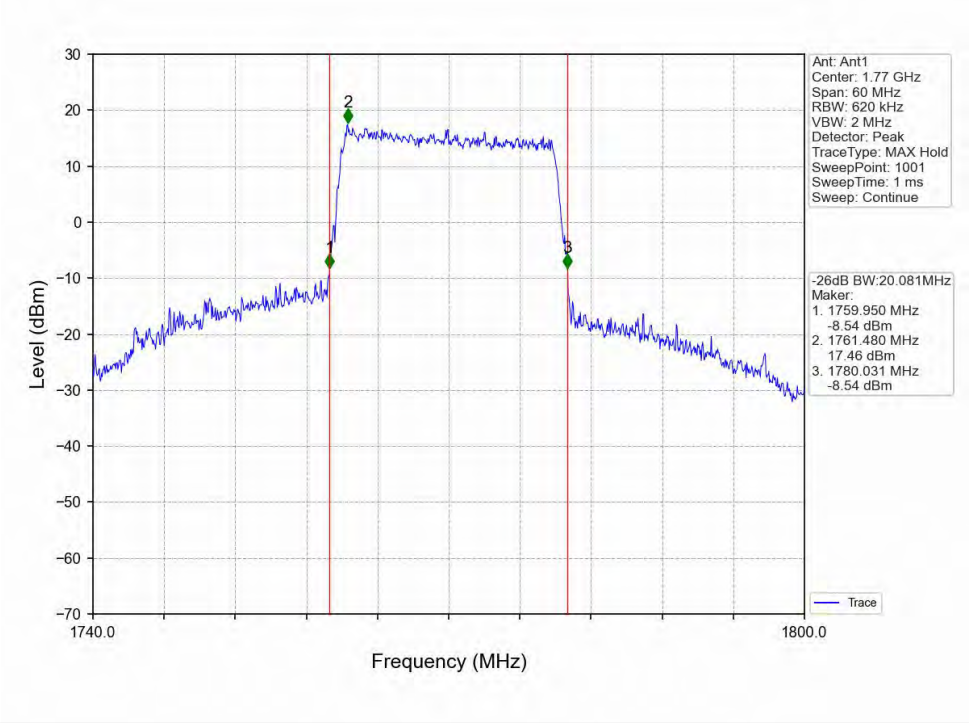
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



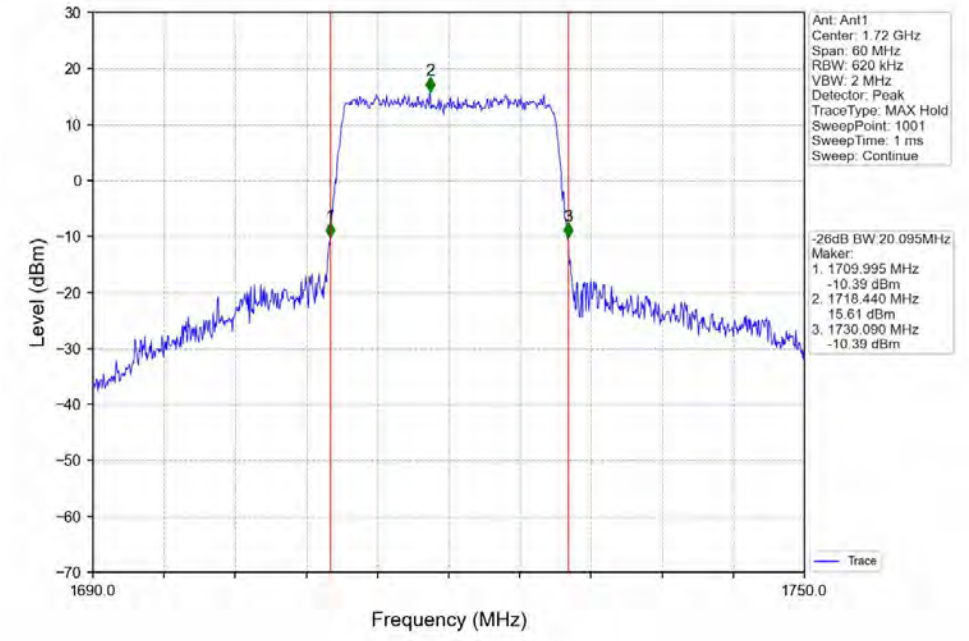

Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



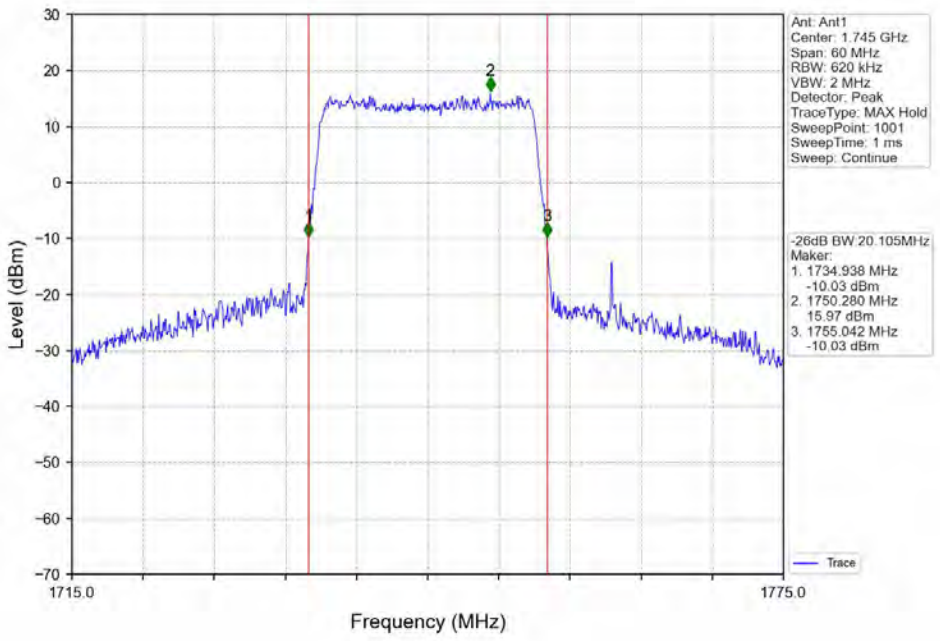
Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



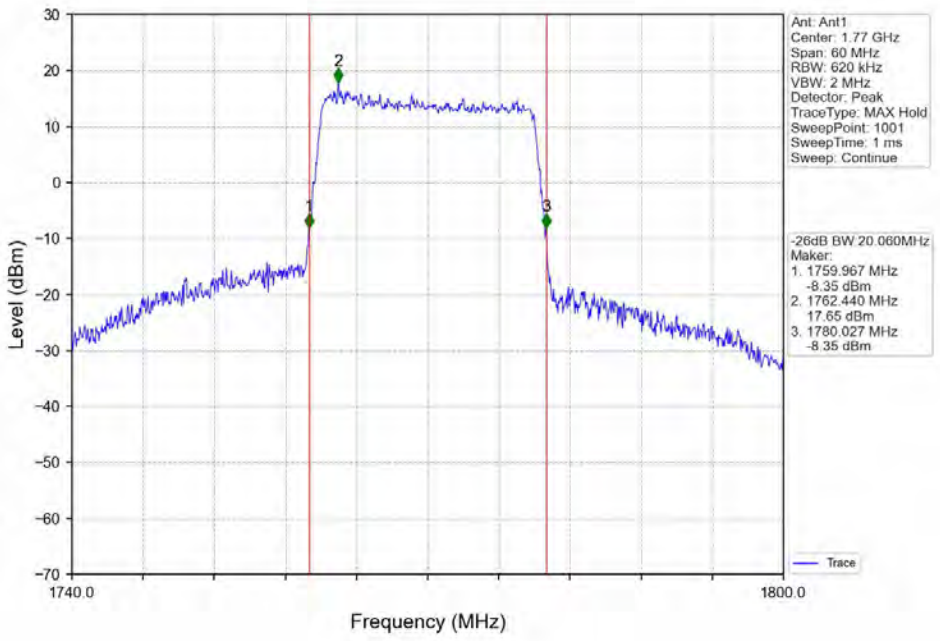

Band66_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_64QAM_MCH_1745MHz_RB_100_0_NTNV




Band66_20MHz_64QAM_HCH_1770MHz_RB_100_0_NTNV

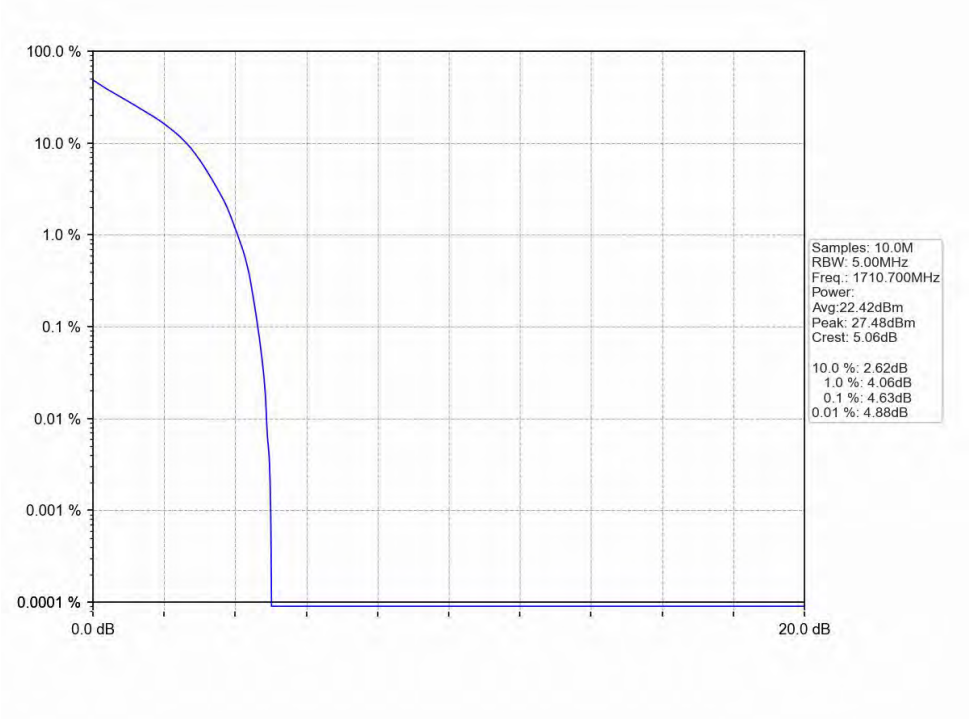


## PEAK-AVERAGE RATIO B66_1.4MHZ TEST RESULT

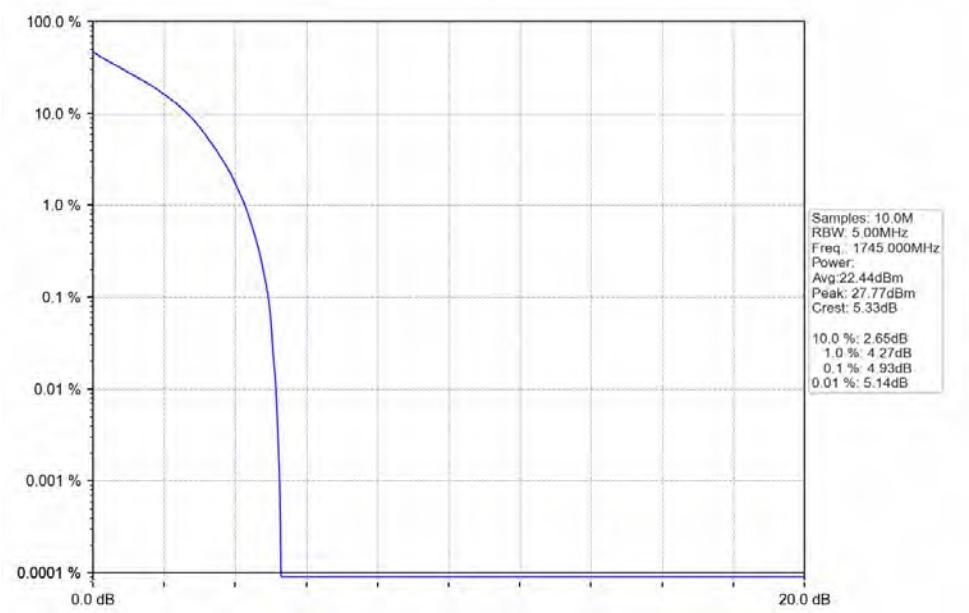
| Band: 66 / Bandwidth: 1.4MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1710.7 | 6 | 0 | 4.63 | <=13 | Pass |
| | 1745 | 6 | 0 | 4.93 | <=13 | Pass |
| | 1779.3 | 6 | 0 | 4.91 | <=13 | Pass |
| 16QAM | 1710.7 | 6 | 0 | 5.37 | <=13 | Pass |
| | 1745 | 6 | 0 | 5.60 | <=13 | Pass |
| | 1779.3 | 6 | 0 | 5.53 | <=13 | Pass |
| 64QAM | 1710.7 | 6 | 0 | 5.98 | <=13 | Pass |
| | 1745 | 6 | 0 | 6.34 | <=13 | Pass |
| | 1779.3 | 6 | 0 | 6.25 | <=13 | Pass |

## TEST GRAPH

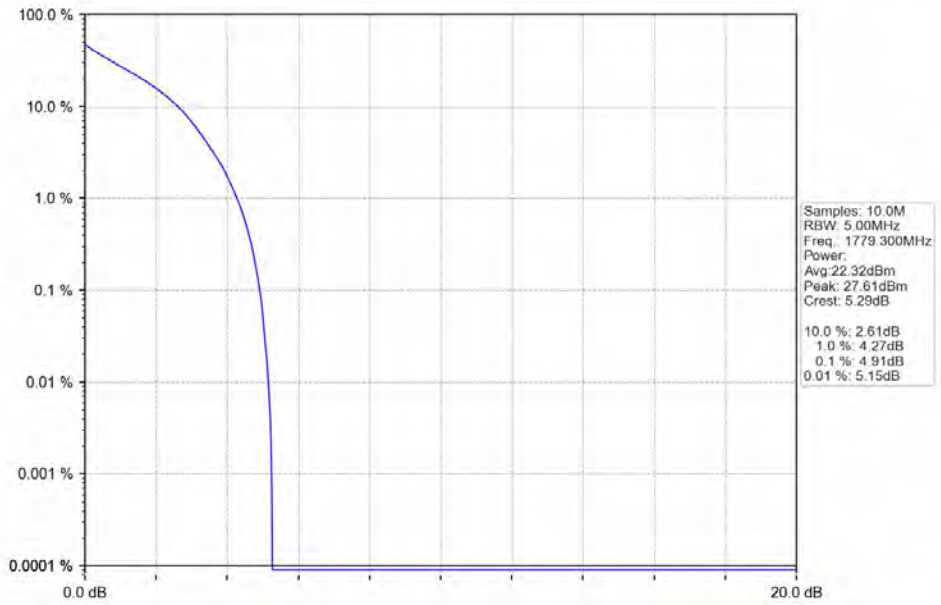
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



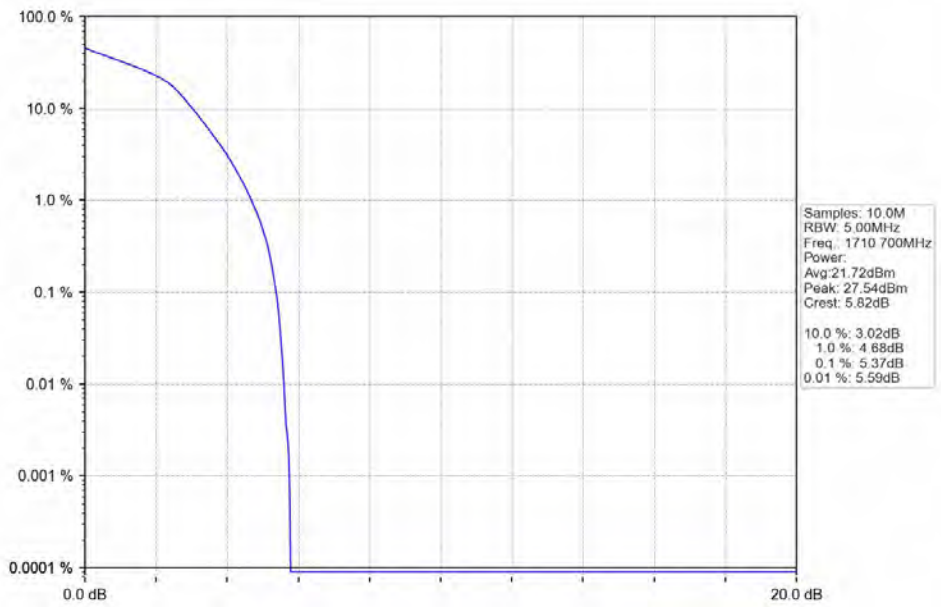

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



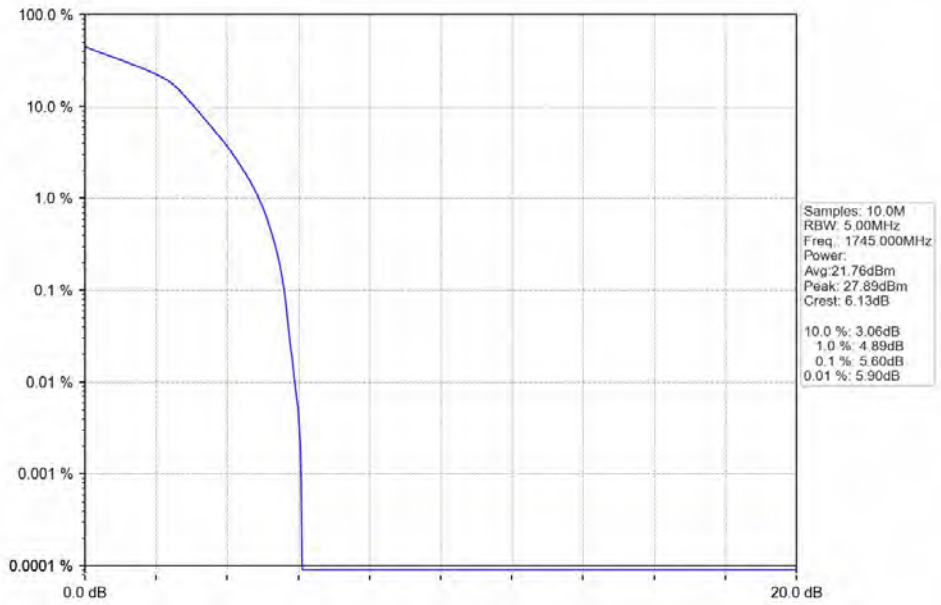
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



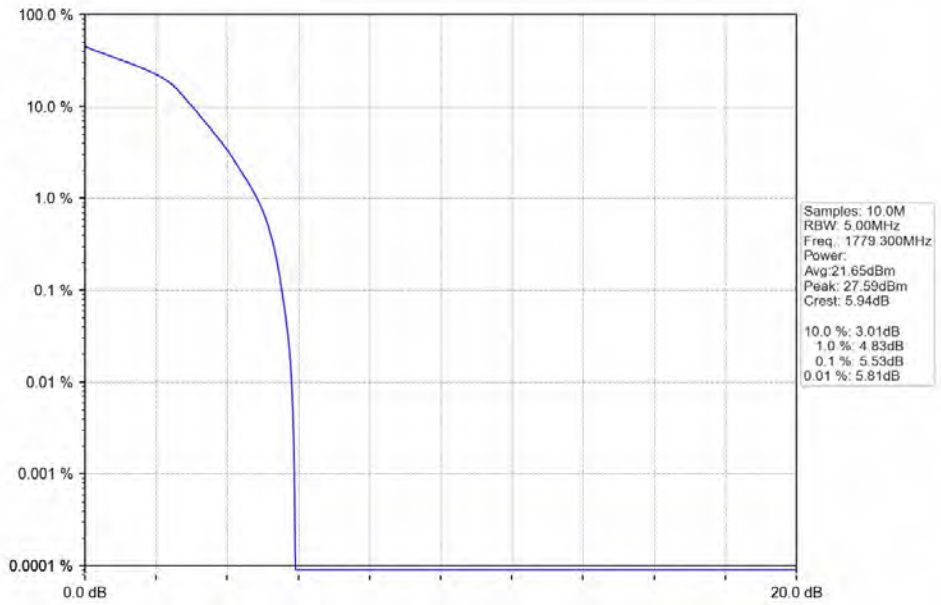

Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



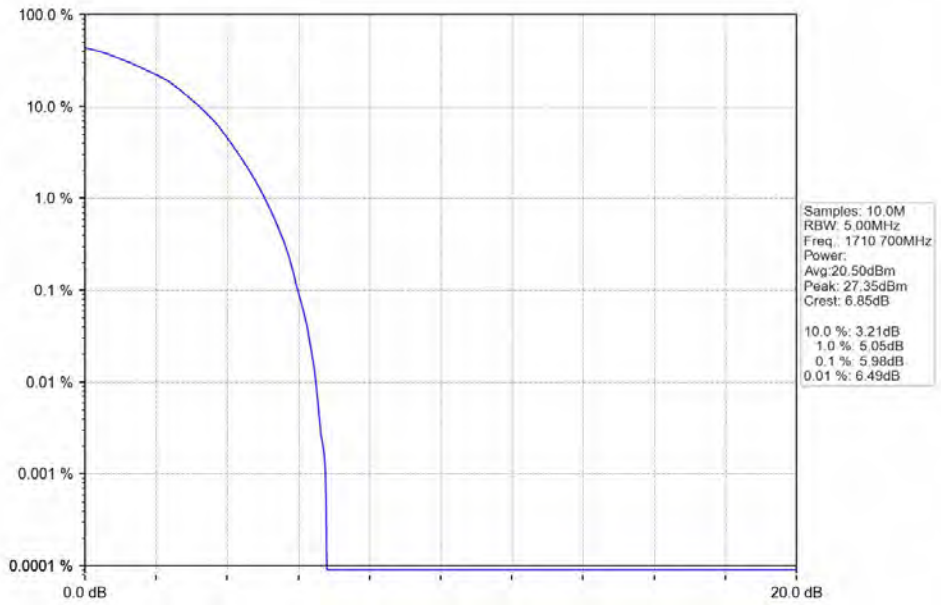
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



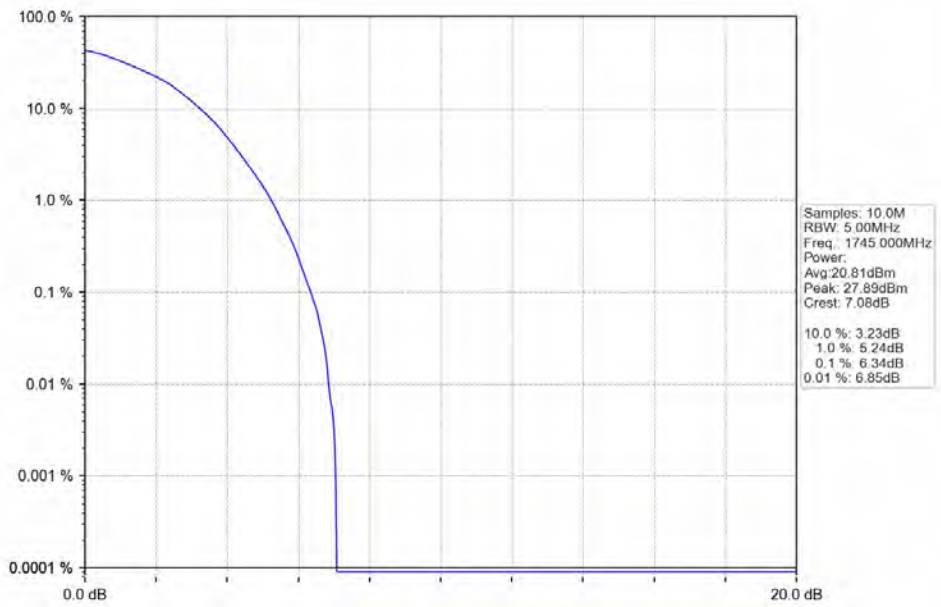

Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



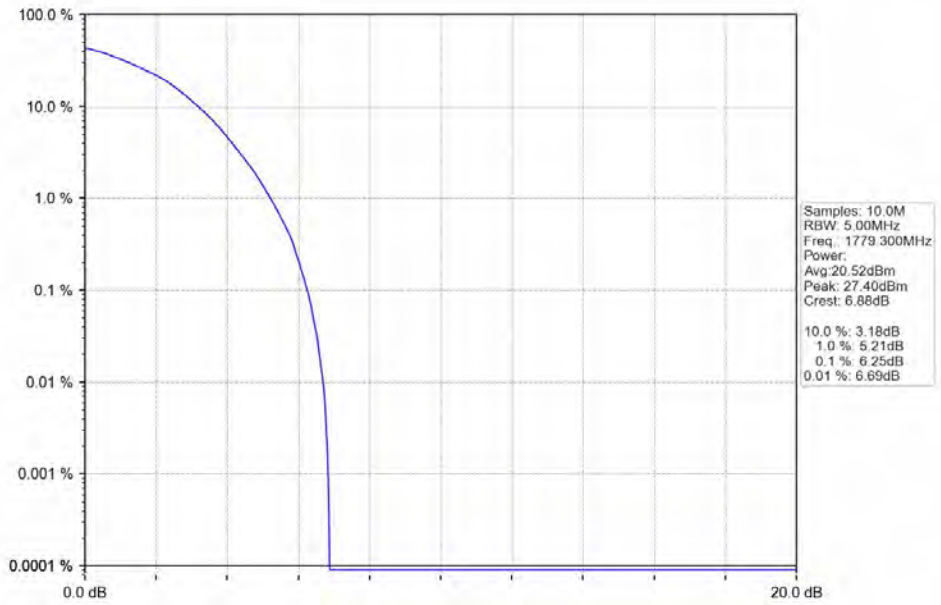
Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV




Band66_1.4MHz_64QAM_MCH_1745MHz_RB_6_0_NTNV



Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_6_0_NTNV

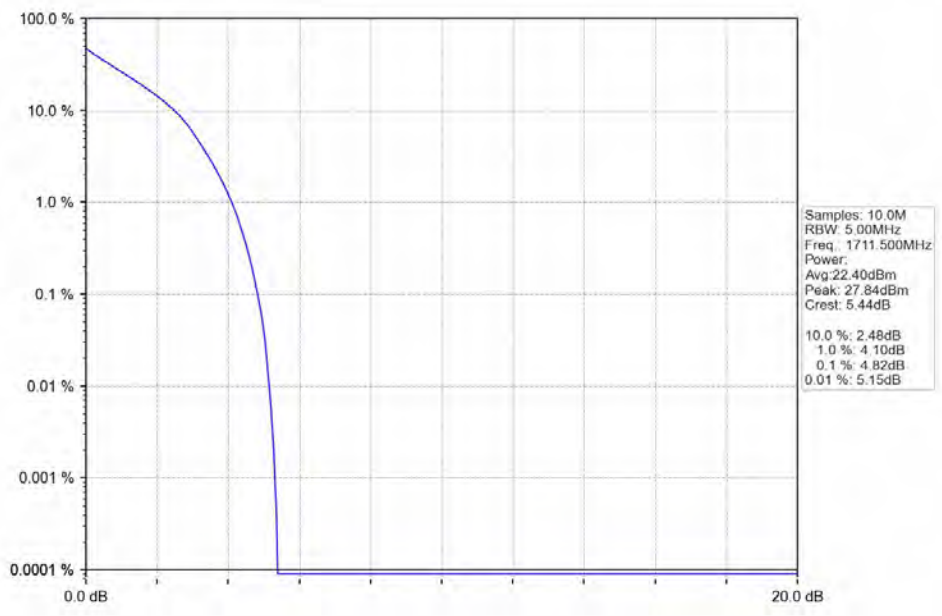


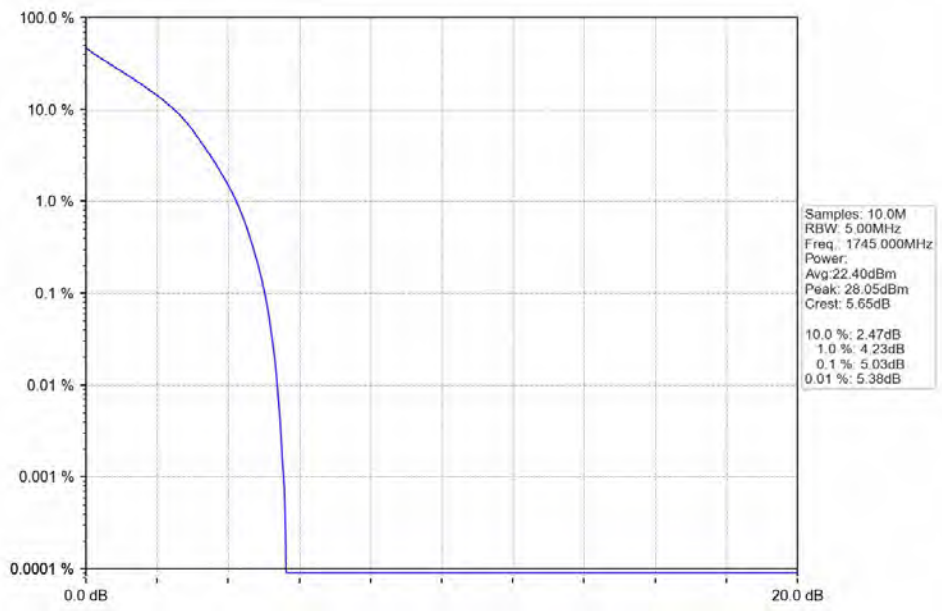
## B66_3MHZ TEST RESULT

| Band: 66 / Bandwidth: 3MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1711.5 | 15 | 0 | 4.82 | <=13 | Pass |
| | 1745 | 15 | 0 | 5.03 | <=13 | Pass |
| | 1778.5 | 15 | 0 | 5.05 | <=13 | Pass |
| 16QAM | 1711.5 | 15 | 0 | 5.63 | <=13 | Pass |
| | 1745 | 15 | 0 | 5.84 | <=13 | Pass |
| | 1778.5 | 15 | 0 | 5.84 | <=13 | Pass |
| 64QAM | 1711.5 | 15 | 0 | 6.19 | <=13 | Pass |
| | 1745 | 15 | 0 | 6.31 | <=13 | Pass |
| | 1778.5 | 15 | 0 | 6.42 | <=13 | Pass |

## TEST GRAPH

Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV




Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV